CITY OF EVANSTON

SPECIFICATIONS AND BID DOCUMENTS
Construction Bid with Sub-contractors

BID NUMBER: 25-10

For

2025 PRIORITIZED WATERMAIN AND LEAD WATER SERVICE LINE REPLACEMENT PROJECT
FEBRUARY 6, 2025

BID DUE DATE:	**2:00 P.M., Tuesday, March 25, 2025**
VIRTUAL BID OPENING:	**2:15 P.M., March 25, 2025,** **Google Meet ID:** meet.google.com/erk-vjyw-pza **Phone Numbers:** (US)+1 617-675-4444 PIN: 491 020 418 0044#
MANDATORY PRE-BID MEETING	**MANDATORY ATTENDANCE REQUIRED** **1.30 PM, February 13, 2025,** **CIVIC CENTER** **Room 2402** **2100 Ridge Avenue** **Evanston, IL 60201**
BID BOND:	**5% of Contract Amount**
PERFORMANCE/MATERIAL & LABOR PAYMENT BOND:	**100% of Contract Amount**
CONTRACT PERIOD:	**Contract award through 160 Calendar Days**

ELECTRONIC BID SUBMITTAL:
Bid responses will only be accepted electronically
via E-bidding through DemandStar (WWW.DEMANDSTAR.COM)
It is highly recommended that new DemandStar users complete the account setup process prior to project due date/time.

TABLE OF CONTENTS

SPECIFICATION SECTION NUMBERS **PAGES**

DIVISION 0 – BIDDING REQUIREMENTS

Notice to Bidders 2
Instructions to Bidders/Requirements for Bidding 12
M/W/D/EBE Specifications ..... **PAGE 10**
Questions ..... PAGE 10
General Conditions 15
Insurance Requirements 1

RETURN ALL EXHIBITS WITH THE BID

Exhibit A Bid Form (with Davis-Bacon Prevailing Wages) 21

Exhibit B Specification for Disadvantaged Business Enterprise Participation 8
Exhibit C Affirmative Action for Equal Employment Opportunity 13
Exhibit D Employment of Illinois Workers on Public Works Act 1
Exhibit E Construction Contractors' Assistance Organizations. 1
Exhibit F Certification of Nonsegregated Facilities Form 1
Exhibit G Nondiscrimination in Employment Form 1

Exhibit H Disclosure of Ownership Interests 5
Exhibit I Additional Information Sheet 1
Exhibit J Certification of Compliance with Prevailing Wage Rate Act 1
Exhibit K Major Sub-contractors Listing 2
Exhibit L Conflict of Interest 1
Exhibit M Signature Form 1
Exhibit N Contractor Services Agreement Acknowledgement 1
Exhibit N Contractor Services Agreement 21
Exhibit O BID Bond Submittal Label 1
Exhibit P Payment Bond 2
Exhibit Q Performance Bond 2
Exhibit R Certification Regarding Debarment and Suspension 2
Exhibit S Notice of Intent to Award 1
Exhibit T Notice of Award Form 2
Exhibit U Notice to Proceed Form 1
Exhibit V Bidder Certification Regarding BABA ACT 4
Exhibit W Bid Bond Form 2
Exhibit X Bidder Certification Regarding Compliance with Article 33E-11 "Criminal Code of 2012" 1
Exhibit Y Change Order Form 1
Exhibit Z Illinois Works Jobs Program Act – Apprenticeship Initiative 5

ATTACHMENTS

Contract Specifications 87
Project Plan Set 19
Appendix 1 of Bid Doc 25-10: Viton Gasket Specification 1
Appendix 2 of Bid Doc 25-10: Environmental Report – Hartrey Ave .. 192
Appendix A of Environmental Report: Historical Reports – Hartrey Ave 65
Appendix B of Environmental Report: Sample Location Map – Hartrey Ave 2
Appendix C of Environmental Report: Analytical Test Reports – Hartrey Ave 17
Appendix D of Environmental Report: LPC 663 Form – Hartrey Ave 17
Appendix 3 of Bid Doc 25-10: Environmental Report – Brown Ave.... 192
Appendix A of Environmental Report: Historical Reports – Brown Ave..... 65
Appendix B of Environmental Report: Sample Location Map – Brown Ave..... 2
Appendix C of Environmental Report: Analytical Test Reports – Brown Ave..... 17
Appendix 4 of Bid Doc 25-10: Geotechnical Reports 17
Appendix 5 of Bid Doc 25-10: 2025 Prioritized Watermain and Lead Water Service Line Replacement Project Location Map 1
Appendix 6 of Bid Doc 25-10: Private Side Water Service Line Replacement Detail..... 2

DemandStar E-bidding Information..... 14

CITY OF EVANSTON

NOTICE TO BIDDERS

The City's Purchasing Office will receive bids until 2:00 P.M. local time Tuesday, March 25, 2025 and will be publicly read virtually via Google Meets at 2:15 P.M. Interested parties can use the following link: meet.google.com/erk-vjyw-pza or join by phone 617-675-4444 PIN: 491 020 418 0044# to access the virtual bid opening. Responses will only be accepted electronically via E-bidding through DemandStar (www.demandstar.com). Although registration is required, vendors can download solicitations and upload responses for free. Bids shall cover the following:

2025 PRIORITIZED WATERMAIN AND LEAD WATER SERVICE LINE REPLACEMENT PROJECT
Bid Number: 25-10

Work on this project includes the installation of ductile iron water main pipe ranging from 6-inch to 10-inch diameter in size, installation of combined and storm sewer 8-inch diameter, public, full, and private lead water service pipe replacements, public water service replacements (not lead) to accommodate the work, related appurtenances, concrete curb and sidewalk repairs, pavement patching, asphalt resurfacing, parkway restoration, private side restoration (full and private side lead water service pipe replacements), and all materials, labor, equipment, and incidental work. Bidders must be prequalified by the Illinois Department of Transportation (IDOT) and present an IDOT issued "Certificate of Eligibility" with the bid proposal.

A mandatory pre-bid meeting will be held at the Morton Civic Center, Room 2402, 2100 Ridge Avenue, Evanston, IL 60201 at 1:30 PM on Thursday, February 13, 2025. The above item shall conform to the Invitation for Bids on file in the Purchasing Office. Parties interested in submitting a bid should contact the Purchasing Office to receive a copy of the bid or see the City's website at: www.cityofevanston.org/business/bids-proposals/ or DemandStar at: www.demandstar.com.

Any contract or contracts awarded under this invitation for bids are expected to be funded in part by a loan from the Illinois Environmental Protection Agency (Illinois EPA). Neither the State of Illinois nor any of its departments, agencies, or employees is or will be a party to this invitation for bids or any resulting contract. The procurement will be subject to regulations contained in the Procedures for Issuing Loans from the Public Water Supply Loan Program (35IAC Part 662), the Davis-Bacon Act (40 USC 276a through 276a-5) as defined by the United States Department of Labor, the Employment of Illinois Workers on Public Works Act (30 ILCS 570), Illinois Works Jobs Program Act (30 ILCS 559/20-1), and the federal "Build America, Buy America Act" requirements contained in the Infrastructure Investment and Jobs Act, Pub. L. No. 117-58.

This procurement is also subject to City's policy regarding the increased use of disadvantaged business enterprises. The City's policy requires all bidders to undertake

specified affirmative efforts at least sixteen (16) days prior to bid opening. The policy is contained in the specifications. Bidders are also required to comply with the President's Executive Order No. 11246, as amended. The requirements for bidders and contractors under this order are explained in 41 CFR 60-4.

The City of Evanston (the City) in accordance with the laws of the State of Illinois, hereby notifies all Bidders that it will affirmatively ensure that the contract(s) entered into pursuant to this Notice will be awarded to the successful Bidders without discrimination on the ground of race, color, religion, sex, age, sexual orientation, marital status, disability, familial status or national origin.

Each Bidder shall be required to submit with their bid a disclosure of ownership interest statement form in accordance with the provisions of City Code Section 1-18-1 *et seq*. Failure to submit such information will result in the disqualification of such bid.

Linda Thomas
Purchasing Specialist

INSTRUCTIONS TO BIDDERS/REQUIREMENTS FOR BIDDING
(CONTRACTS OVER $25,000)

1. ON-LINE NOTIFICATION OF SOLICITATIONS

The City is utilizing Demandstar.com (www.demandstar.com) for on-line notification purposes only for sealed bids when it is anticipated that the amount of the resulting contract will be in excess of its formal bid limit of $25,000, such as this requirement. Interested Bidders are required to submit a sealed bid to the City by the date/time indicated for this requirement on the forms provided by the City. All bids must be made on the required bid form. All blank spaces for bid prices must be filled in, and the BID form must be fully completed and executed when submitted.

2. SUBMISSION OF BIDS

A. The City of Evanston will no longer accept hard copy paper submittals for any solicitation. Responses will only be accepted electronically via E-bidding through DemandStar (WWW.DEMANDSTAR.COM). Although registration is required, vendors can download solicitations and upload bid responses for free. **Please refer to attached DemandStar E-bidding documents.**

B. ANY BIDS RECEIVED AFTER THE TIME AND DATE SPECIFIED FOR THE RECEIPT OF BIDS WILL NOT BE ACCEPTED. It is the sole responsibility of the Bidder to insure that his or her bid is delivered by the stated bid opening time. THE CITY IS NOT RESPONSIBLE FOR INCOMPLETE UPLOADED SUBMITTALS.

C. Bids will be opened on the date and time stated.

D. Any Bidder may withdraw his or her bid by letter or with proper identification by personally securing his or her bid at any time prior to the stated bid opening time. No telephone request for withdrawal of bids will be honored.

3. PREPARATION OF BIDS

The Bidder must prepare the bid on the attached bid forms. Unless otherwise stated, all blank spaces on the bid form or pages must be filled in. Either a unit price, lump sum price, or a "no-bid", as the case may be, must be stated for each and every item and must be either typed in or written in ink.

4. SIGNING OF BIDS

A. Bids which are signed for a partnership should be signed in the firm's name by all partners or in the firm's name by Attorney-in-Fact. If signed by Attorney-in-Fact, there should be attached to the bid a Power of Attorney evidencing authority to sign the bid, dated the same date as the bid and executed by all partners of the firm.

B. Bids which are signed for a corporation should have the correct corporate name

thereon and signature of an authorized officer of the corporation manually written below the corporate name following words "By: "_____" title of office held by the person signing for corporation, which shall appear below signature of an officer.

C. Bids which are signed by an individual doing business under a fictitious name should be signed in the name of the individual "doing business as. _____."

D. The name of each person signing the bid shall be typed or printed below his or her signature.

5. CONSIDERATION OF BIDS

The Purchasing Specialist shall represent and act for the City in all matters pertaining to this bid and the contract in conjunction therewith.

6. WITHDRAWAL OF BIDS

Bidders may withdraw or cancel their bids at any time prior to the advertised bid opening time. After the bid opening time, no bid shall be withdrawn or canceled for a period of sixty (60) calendar days. When contract approval is required by another agency, such as the Federal Government or the State of Illinois, no bid shall be withdrawn or canceled for a period of one hundred twenty (120) calendar days.

7. ERRORS IN BIDS

Bidders are cautioned to verify their bids before submission. Negligence on the part of the respondent in preparing the bid confers no right for withdrawal or modification of the bid after it has been opened. In case of error in the extension of prices in the bid, unit prices will govern.

8. ADDENDA

A. Any and all changes to the specifications/plans are valid only if they are included by written addendum to all Bidders. Each Bidder must acknowledge receipt of any addenda by indicating on the Bid form. Each Bidder, by acknowledging receipt of any addenda, is responsible for the contents of the addenda and any changes to the bid therein. Failure to acknowledge any addenda may cause the bid to be rejected.

B. Addenda information is available over the internet at: City of Evanston Notices to Bidders or www.demandstar.com, or by contacting the Purchasing Office.

9. RESERVED RIGHTS

The City of Evanston reserves the right at any time and for any reason to cancel his or her solicitation, to accept or reject any or all bids or any portion thereof, or to accept an alternate response. The City reserves the right to waive any immaterial defect in any response. The City may seek clarification from any respondent at any time, and failure to respond within a reasonable time period, or as otherwise directed, will be cause for rejection.

10. AWARD

It is the intent of the City to award a contract to the lowest responsive, responsible Bidder meeting specifications. The City reserves the right to determine the lowest responsible Bidder on the basis of an individual item, groups of items, or in any way determined to be in the best interest of the City. Award will be based on the following factors (where applicable): (a) adherence to all conditions and requirements of the bid specifications; (b) price; (c) qualifications of the Bidder, including past performance, financial responsibility, general reputation, experience, service capabilities, and facilities; (d) delivery or completion date; (e) product appearance, workmanship, finish, taste, feel, overall quality, and results of product testing; (f) maintenance costs and warranty provisions; and (g) repurchase or residual value.

11. INTERPRETATION OR CORRECTION OF BIDDING DOCUMENTS

Bidder's shall promptly notify the City of any ambiguity, inconsistency, or error that they discover upon examination of the bidding documents. Interpretations, corrections, and changes will be made by addendum. Each Bidder shall ascertain prior to submitting a bid that all addenda have been received and are acknowledged in the bid.

12. INCONSISTENCIES AND OMISSIONS

These specifications and the accompanying plans, if any, are intended to include all information necessary for the work contemplated. If, by inadvertence or otherwise, the plans or specifications omit some information necessary for that purpose, the contractor shall, nevertheless, be required to perform such work at no additional cost to the City so that the project may be completed according to the true intent and purpose of the plans and specifications.

13. CONDITIONS

Bidders are advised to become familiar with all conditions, instructions, and specifications governing his or her bid. Once the award has been made, failure to have read all the conditions, instructions and specifications of this contract shall not permit the Bidder to amend contract or to request additional compensation.

14. VERIFICATIONS OF DATA

A. It is understood and agreed that the unit quantities given in these specifications are approximate only, and the contractor shall verify these quantities before bidding as no claim shall be made against the City on, or account of, any excess or deficiency in the same.

B. The contractor shall have visited the premises and determined for itself, by actual observation, boring, test holes, or other means, the nature of all soil and water conditions (both above and below ground in the line of work) that may be encountered in all construction work under this contract. The cost of all such inspection, borings, etc. shall be borne by the contractor, and no allowance will be made for the failure of the contractor to estimate correctly the difficulties attending the execution of the work.

15. SPECIFICATIONS

Reference to brand names and numbers is meant to be descriptive, not restrictive, unless otherwise specified. Bids on equivalent items will be considered, provided the Bidder clearly states exactly what is proposed to be furnished, including complete specifications. Unless the Bidder specifies otherwise, it is understood the Bidder is offering a referenced brand item as specified or is bidding as specified when no brand is referenced, and does not propose to furnish an "equal." The City reserves the right to determine whether a substitute offer is equivalent to, and meets the standard of quality indicated by the brand name and number.

16. SAMPLES

When samples of items are called for by the specifications, samples must be furnished free of expense, and if not destroyed in the evaluation process will be returned at the Bidder's expense upon request. Request for the return of samples must accompany the sample and must include a UPS/Fed-Ex Pickup Slip, postage, or other acceptable mode of return. Individual samples must be labeled with Bidder's name, invitation number, item reference, manufacturer's brand name and number.

17. REGULATORY COMPLIANCE

Each Bidder represents and warrants that the goods or services furnished hereunder (including all labels, packages and containers for said goods) comply with all applicable standards, rules and regulations in effect under the requirements of all Federal, State, and local laws, rules and regulations as applicable, including the Occupational Safety and Health Act as amended, with respect to design, construction, manufacture, or use for their intended purpose of said goods or services. Each Bidder must furnish a "Material Safety Data Sheet" in compliance with the Illinois Toxic Substances Disclosure to Employees Act when required.

18. PRICING

The price quoted for each item is the full purchase price, including delivery to destination, and includes all transportation and handling charges, materials or service costs, patent royalties, and all other overhead charges of every kind and nature. Unless otherwise specified, prices shall remain firm for the contract period.

19. DISCOUNTS

Prices quoted must be net after deducting all trade and quantity discounts. Where cash discounts for prompt payment are offered, the discount period shall begin with the date of receipt of a correct invoice or receipt or final acceptance of goods, whichever is later.

20. INSPECTION

Materials or equipment purchased are subject to inspection and approval at the City's destination. The City reserves the right to reject and refuse acceptance of items which are not in accordance with the instructions, specifications, drawings or data of Seller's warranty (express or implied). Rejected materials or equipment shall be removed by, or at the expense of, the Seller promptly after rejection.

21. BIDS AND PLAN DEPOSITS

A. When required on the cover sheet, all bids shall be accompanied by a bid deposit in the amount specified. Bid deposits shall be in the form of cash, a certified check, or cashier's check drawn on a responsible bank doing business in the United States and shall be made payable to the City of Evanston. Bid Bonds are also acceptable. All bids not accompanied by a bid deposit, when required, will be rejected.

B. The City will return the bid deposits of all but the 3 lowest qualified Bidders, whose deposit will be held until contract award or at the expiration of the sixty-day or ninety-day period for bid award.

C. The bid deposit of the successful Bidder will be retained until contract documents have been executed and the Contractor has submitted all the required information. Failure to comply with the terms of this specification may be cause for forfeiture of said deposit.

D. When required, plan deposits will be refunded should the plans be returned in good condition within 10 days of the bid opening.

22. DISPUTES

Any dispute concerning a question of fact arising under this bid shall be decided by the Purchasing Specialist, who shall issue a written decision to the Bidder. The decision of the Purchasing Specialist shall be final and binding.

23. CATALOGS

Each Bidder shall submit, when requested by the Purchasing Specialist, catalogs, descriptive literature, and detailed drawings, fully detailing features, designs, construction, appointments, finishes and the like not covered in the specifications, necessary to fully describe the material or work proposed to be furnished.

24. TAXES

A. Federal Excise Tax does not apply to materials purchased by the City of Evanston by virtue of Exemption Certificate No. A-208762, Illinois Retailers' Occupation Tax, Use Tax, and Municipal Retailers' Occupation Tax do not apply to materials or services purchased by the City of Evanston by virtue of Statute.

B. The City of Evanston is exempt from Illinois Sales Tax by virtue of Exemption Identification number E9998-1750.

C. The City's federal tax ID number is 36-6005870.

25. PERMITS & FEES

All Bidders awarded a contract must secure and pay for any licenses required by the City of Evanston. Necessary building permits will be required, but all permit fees will be waived and moneys for same must not be included in any bid.

26. ROYALTIES & PATENTS

Seller must pay all royalties and license fees. Seller must defend all suits or claims for infringement of any patent, copyright or trademark rights, and must hold the City harmless from loss on account thereof.

27. POWER OF ATTORNEY

An Attorney-In-Fact, who signs any and all of the bond or contract bonds submitted with this bid, must file with each bond a certified and effectively dated copy of their Power of Attorney. These dates should be the same or after the date of the contract.

28. WARRANTY

A. The contractor warrants that all goods and services furnished to the City shall be in accordance with specifications and free from any defects of workmanship and materials: that goods furnished to the City shall be merchantable and fit for the City's described purposes, and that no governmental law, regulation, order, or rule has been violated in the manufacture or sale of such goods.

B. The contractor warrants all equipment furnished to be in acceptable condition, and to operate satisfactorily for a period of one (1) year from delivery of, or the completion of installation, whichever is latest, unless stated otherwise in the specifications, and that if a defect in workmanship and/or quality of materials are evidenced in this period, the Seller shall remit full credit, replace, or repair at City's discretion immediately, such equipment and/or parts that are defective at no additional cost to the City.

C. The contractor warrants to the City that each item furnished hereunder, and any component part thereof, will be new and in conformity with the specifications in all respects, unless otherwise specified, and is of the best quality of its respective kind, free from faulty workmanship, materials, or design, and installed sufficiently to fulfill any operating conditions specified by the City.

D. The contractor shall repair or replace any item or component part thereof found not to be in conformity with this paragraph provided the City notified the Seller of such nonconformity within one (1) year after initial use or within eighteen (18) months after delivery, whichever occurs first. In the event Seller fails to proceed diligently to so replace or repair within a reasonable time after receipt of such notice, the City may undertake or complete such replacement or repair for Seller's account, and the seller will be responsible for any additional costs. Acceptance shall not relieve the seller of its responsibility.

29. INCURRED COSTS

The City will not be liable for any costs incurred by Bidders in replying to this invitation for bids.

30. VARIANCES

Each Bidder must state or list by reference any variations to specifications, terms and/or conditions set forth herein with its bid.

31. INDEMNIFICATION

A. The awarded Bidder/Contractor shall defend, indemnify and hold harmless the City and its officers, elected and appointed officials, agents, and employees from any and all liability, losses, or damages as a result of claims, demands, suits, actions, or proceedings of any kind or nature, including but not limited to costs, and fees, including attorney's fees, judgments or settlements, resulting from or arising out of any negligent or willful act or omission on the part of the Contractor or Contractor's sub-contractors, employees, agents or sub-contractors during the performance of this Agreement. Such indemnification shall not be limited by reason of the enumeration of any insurance coverage herein provided. This provision shall survive completion, expiration, or termination of this Agreement.

B. Nothing contained herein shall be construed as prohibiting the City, or its officers, agents, or employees, from defending through the selection and use of their own agents, attorneys, and experts, any claims, actions or suits brought against them. The Contractor shall be liable for the reasonable costs, fees, and expenses incurred in the defense of any such claims, actions, or suits. Nothing herein shall be construed as a limitation or waiver of defenses available to the City and employees and agents, including but not limited to the Illinois Local Governmental and Governmental Employees Tort Immunity Act, 745 ILCS 10/1-101 *et seq.*

C. At the City Corporation Counsel's option, Contractor must defend all suits brought upon all such Losses and must pay all costs and expenses incidental to them, but the City has the right, at its option, to participate, at its own cost, in the defense of any suit, without relieving Contractor of any of its obligations under this Agreement. Any settlement of any claim or suit related to this Project by Contractor must be made only with the prior written consent of the City Corporation Counsel, if the settlement requires any action on the part of the City.

D. To the extent permissible by law, Contractor waives any limits to the amount of its obligations to indemnify, defend, or contribute to any sums due under any Losses, including any claim by any employee of Contractor that may be subject to the Illinois Compensation Act, 820 ILCS 305/1 *et seq.* or any other related law or judicial decision, including but not limited to, *Kotecki v. Cyclops Welding Corporation,* 146 Ill. 2d 155 (1991). The City, however, does not waive any limitations it may have on its liability under the Illinois Workers Compensation Act,

the Illinois Pension Code or any other statute.

E. The Contractor shall be responsible for any losses and costs to repair or remedy work performed under this Agreement resulting from or arising out of any act or omission, neglect, or misconduct in the performance of its Work or its sub-contractors' work. Acceptance of the work by the City will not relieve the Contractor of the responsibility for subsequent correction of any such error, omissions and/or negligent acts or of its liability for loss or damage resulting therefrom.

F. All provisions of this Section 32 shall survive completion, expiration, or termination of this Agreement.

32. DEFAULT

Time is of the essence as to the awarded contract and, of delivery or acceptable items or rending of services is not completed by the time promised, the City reserves the right, without liability, in addition to its other rights and remedies, to terminate the contract by notice effective when received by Seller, as to stated items not yet shipped or services not yet rendered and to purchase substitute items or services elsewhere and charge the Seller with all losses incurred. The City shall be entitled to recover its attorney's fees and expenses in any successful action by the City to enforce this contract.

33. GOVERNING LAW

This contract shall be governed by and construed according to the laws of the State of Illinois. In the event of litigation, the venue will be Cook County, Illinois.

34. EQUAL EMPLOYMENT OPPORTUNITY

A. In the event of the contractor's noncompliance with any provision of the Illinois Human Rights Act or Section 1-12-5 of the Evanston City Code, the contractor may be declared non-responsible and therefore ineligible for future contracts or sub-contracts with the City of Evanston, and the contract may be canceled or voided in whole or in part, and such other sanctions or penalties may be imposed or remedies invoked as provided by Statute or regulation.

B. During the performance of this contract, the contractor agrees as follows:

1. That it will not discriminate against any employee or applicant for employment because of race, color, religion, sex, national origin or ancestry, or age or physical or mental handicap that does not impair ability to work, and further that it will examine all job classifications to determine if minority persons or women are underutilized and will take appropriate affirmative action to rectify any such underutilization. Contractor shall comply with all requirements of City of Evanston Code Section 1-12-5.

2. That, in all solicitations or advertisements for employees placed by it or on its

behalf, it will state that all applicants will be afforded equal opportunity without discrimination because of race, color, religion, sex, national origin or ancestry.

3. That, if it hires additional employees in order to perform this contract, or any portion hereof, it will determine that availability (in accordance with the Fair Employment Commission's Rules and Regulations for Public Contracts) of minorities and women in the area(s) from which it may reasonably recruit and it will hire for each job classification for which employees are hired in such a way that minorities and women are not underutilized.

4. That it will send to each labor organization or representative of workers with which it has or is bound by a collective bargaining or other agreement or understanding, a notice advising such labor organization or representative of the contractor's obligations under the Illinois Fair Employment Practices Act and the Fair Employment Practices Commission's Rules and Regulations for Public Contracts. If any such labor organization or representative fails or refuses to cooperate with the contractor in its efforts to comply with such Act and Rules and Regulations, the contractor will promptly so notify the Illinois Fair Employment Practices Commission and the contracting agency and will recruit employees from other sources when necessary to fulfill its obligations hereunder.

5. That it will submit reports as required by the Illinois Fair Employment Practices Commission's Rules and Regulations for Public Contracts, furnish all relevant information as may from time to time be requested by the Fair Employment Practices Commission or the contracting agency, and in all respects comply with the Illinois Fair Employment Practices Commission's Rules and regulations for Public Contracts.

6. That it will permit access to all relevant books, records, accounts and work sites by personnel of the contracting agency, the City Manager, the Commission and the Illinois Fair Employment Practices Commission for purposes of investigation to ascertain compliance with the Illinois Fair Employment Practices Act and the Fair Employment Practices Act and the Fair Employment Practices Commission's Rules and Regulations for Public Contract.

7. That it will include verbatim or by reference the provisions of subsections (A) through (G) of this clause in every performance sub-contract as defined in Section 2.10(b) of the Fair Employment Practices Commission's Rules and Regulations for Public Contracts so that such provisions will be binding upon every such sub-contractor; and that it will also include the provisions of subsections (A), (E), (F), and (G) in every supply sub-contract as defined in Section 2.10(a) of the Fair Employment Practices Commission's Rules and Regulations for Public Contracts so that such provisions will be binding upon every such sub-contractor. In the same manner as with other provisions of

this contract, the contractor will be liable for compliance with applicable provisions of this clause by all its sub-contractors; and further it will promptly notify the contracting agency and the Illinois Fair Employment Practices Commission in the event any sub-contractor fails or refuses to comply therewith. In addition, no contractor will utilize any sub-contractor declared by the Fair Employment Practices Commission to be non-responsible and therefore ineligible for contracts or sub-contracts with the State of Illinois or any of its political subdivisions or municipal corporations.

35. M/W/D/EBE GOAL

The City of Evanston has a goal of awarding 17% of its contracts to Disadvantaged Business Enterprise (DBEs). All Bidders must state the proposed involvement of DBEs in completing a portion of the services required by the City by completing Exhibit B. Any questions regarding DBE compliance should be submitted in writing to Tammi Nunez, Purchasing Manager at tnunez@cityofevanston.org.

36. Questions

All questions related to this bid document should be submitted in writing to Linda Thomas, Purchasing Specialist at lithomas@cityofevanston.org with a copy to Hibo Mohamed, at hmohamed@cityofevanston.org. Only inquiries received a minimum of seven (7) working days prior to the date set for the opening of bids, will be given any consideration.

37. COORDINATION OF EXISTING SITE WITH DRAWINGS

A. Before submitting a bid, bidders shall carefully examine the drawings and specifications, visit the site, and fully inform themselves as to all conditions and limitations.

B. Should a bidder find discrepancies in, or omissions from the drawings or specifications, or should be in doubt as to their meaning, the bidder should at once notify the Purchasing Specialist, who will issue necessary instructions to all bidders in the form of an addendum.

38. AFFIRMATIVE ACTION IN SUB-CONTRACTING (EXCERPT FROM RESOLUTION 59-R-73)

"Contractor agrees that he shall actively solicit bids for the sub-contracting of goods or services from qualified minority businesses. At the request of the City, Contractor shall furnish evidence of his compliance with this requirement of minority solicitation. Contractor further agrees to consider the grant of sub-contracts to said minority bidders on the basis of substantially equal bids in the light most favorable to said minority businesses. Contractor further affirms that in obtaining his performance and bid bonds, he will seek out and use companies who have records of, and/or who will make commitments to, the bonding of minority contractors on a rate basis comparable to their bonding of similar non-minority contractors. The contractor may be required to submit this evidence as part of the bid or subsequent

to it."

39. COMPLIANCE WITH LAWS

A. The bidder shall at all times observe and comply with all laws, ordinances and regulations of the Federal, State, Local and City Governments, which may in any manner affect the preparation of bids or the performance of the contract.

40. QUALIFICATION OF BIDDERS

A. All bidders must be qualified in accordance with the instructions, procedures and methods set forth in this specification.

B. The Owner may make such investigations as he or she deems necessary to determine the ability of the bidder to perform the work, and the bidder shall furnish to the owner all such information and data for this purpose as the owner may request. The owner reserves the right to reject any bid if the evidence submitted by, or investigation of, such Bidder fails to satisfy the owner such bidder is properly qualified to carry out the obligations of the Agreement and to complete the WORK contemplated there in.

41. COMPETENCY OF BIDDER

A. No bid will be accepted from or contract awarded to any person, firm or corporation that is in arrears or is in default to the City of Evanston upon any debt or contract, or that is a defaulter, as surety or otherwise, upon any obligation to said City, or had failed to perform faithfully any previous contract with the City.

B. The bidder, if requested, must present within forty eight (48) hours evidence satisfactory to the Purchasing Manager of performance ability and possession of necessary facilities, pecuniary resources and adequate insurance to comply with the terms of these specifications and contract documents.

42. PREFERENCE TO CITIZENS

The Contractor shall abide by the Illinois Preference Act, 30 ILCS 570 et seq., which stipulates that whenever there is a period of excessive unemployment in Illinois, defined as any month immediately following two (2) consecutive months during which the level of unemployment in Illinois exceeds five percent (5%) as measured by the U.S. Bureau of Labor Statistics in its monthly publication of employment and unemployment figures, the Contractor shall employ only Illinois laborers unless otherwise exempted as so stated in the Act. ("Illinois laborer" means any person who has resided in Illinois for at least 30 days and intends to become or remain an Illinois resident) Other laborers may be used IF Illinois laborers are not available or are incapable of performing the particular type of work involved if so certified by the Contractor and approved by the project engineer.

43. IEPA DISADVANTAGED BUSINESS ENTERPRISE REQUIREMENTS

A. The contractor shall provide evidence that the contractor has taken affirmative steps in accordance with 40 CFR 33 to assure that disadvantaged business

enterprises are used when possible as sources of supplies, equipment, construction, and services, consistent with the provisions of the Agency's Operating Agreement with USEPA.

44. DEBARMENT AND SUSPENSION PROVISIONS

The contract shall require the successful bidders to submit a Certificate Regarding Debarment, Suspension and Other Responsibility Matters (EPA Form 5700-49) showing compliance with federal Executive Order 12549.

45. AFFIRMATIVE ACTION TO ENSURE EQUAL EMPLOYMENT OPPURTUNITY

A. The Contractor's compliance with the Executive Order and the regulations in 41 CFR Part 60-4 shall be based on its implementation of the Equal Opportunity Clause, specific affirmative action obligations required by the specifications set forth in 41 CFR 60-4.3(a), and its efforts to meet the goals established for the geographical area where the contract resulting from this solicitation is to be performed. The hours of minority and female employment and training must be substantially uniform throughout the length of the contract, and in each trade, and the contractor shall make a good faith effort to employ minorities and women evenly on each of its projects. The transfer of minority or female employees or trainees from Contractor to Contractor or from project to project for the sole purpose of meeting the Contractor's goals shall be a violation of the contract, the Executive Order and the regulations in 41 CFR 60-4. Compliance with the goals will be measured against the total work hours performed.

B. The Contractor shall provide written notification to the Director of the Office of Federal Contract Compliance Programs within 10 working days of award of any construction subcontract in excess of $10,000 at any tier for construction work under the contract resulting from this solicitation. The notification shall list the name, address and telephone number of the subcontractor; employer identification number; estimated dollar amount of the subcontract; estimated starting and completion dates of the subcontract; and the geographical area in which the contract is to be performed.

GENERAL CONDITIONS

1. BASIS OF AWARD

The City of Evanston reserves the right to award a contract to a responsive, responsible Bidder(s) who submits the lowest total bid, or to reject any or all bids and bidding, when in its opinion the best interest of the City will be served by such action.

2. BIDS

A. UNIT PRICE BID

1. The Bidder is to submit a unit price bid for each bid line on the Bid Form which includes all costs incidental to performing the specified work.

2. It is understood and agreed that the unit quantities given in the supporting pages are approximate only and the Bidder shall verify these quantities before bidding as no claim shall be made against the City on account of any excess or deficiency in the same.

3. Unit prices given in the supporting pages shall be used by the Owner and the Contractor for any subsequent changes in the contract.

4. The quantities provided in the bid documents are approximate only and are subject to increase or decrease. Actual compensation to the CONTRACTOR shall be based upon the actual quantities multiplied by the unit prices bid for each item. The unit prices submitted herewith is for the purpose of obtaining a gross sum, and for use in computing the value of additions and deductions and for the purpose of determining the lowest BIDDER. Should there be a discrepancy between the gross sum bid and that bid resulting from summation of quantities multiplied by their respective unit prices, the latter shall apply.

3. QUANTITIES

Any quantities shown on the Bid Form are estimated only for bid canvassing purposes, the City has made a good faith effort to estimate the quantity requirements for the Contract term. The City reserves the right to increase or decrease quantities ordered under this contract.

4. CONTRACT TERM

Bidder must fully complete the work within the period specified herein after award of the contract by the City.

5. NOTICE TO PROCEED/ PURCHASE ORDER/ CONTRACT

A. The City issued Purchase Order serves as the City official Notice to Proceed. No work will be allowed prior to Contractor receipt of the City issued Purchase Order.

B. Upon approval of the required bonds and insurance documents, the City will issue

a Purchase Order to the Contractor for the contract amount. All Applications for Payment must reference the Purchase Order number.

C. When it is necessary to issue a Change Order that increases/decreases the contract amount, a Change Order form will be issued and a modified Purchase Order will be issued reflecting the revised contract amount.

D. When it is necessary to issue a Change Order that only increases/decreases the contract period, only a Change Order form will be issued establishing the revised contract period.

E. Upon Award the contractor shall execute the Contractor Services Agreement.

6. PAYMENT

A. Progress payments will be made in accordance with "Applications for Payment" and "Project Closeout" sections of the specifications, less a 10% retainage for each payment, which will be held until final acceptance of the work by the City. Certification of each Application for Payment will be made by the City's representative.

B. All payments will be made in accordance with *Illinois Local Government Prompt Payment Act*.

7. DECISIONS TO WITHHOLD CERTIFICATION FOR PAYMENT

A. The City may not certify payment and may withhold payment in whole or in part, to the extent reasonably necessary to protect the City, if the quality of the work is not in accordance with the contract documents. If the City is unable to certify payment in the amount of the invoice, the City will promptly issue payment for the amount of the Work completed in accordance with the contract documents. The City may not certify payment due to any contractor negligence or contract non-compliance.
   a. Defective work not remedied
   b. Third party claims filed or reasonable evidence indicating probable filing of such claims
   c. Failure of Contractor to make payments properly to Sub-contractors for labor, materials or equipment
   d. Reasonable evidence that the work cannot be completed for the unpaid balance of the Contract Sum
   e. Damage to the City or another contractor
   f. Reasonable evidence that the work will not be completed within the Contract period and that the unpaid balance would not be adequate to cover actual or liquidated damages for the anticipated delay
   g. Persistent failure to carry out work in accordance with the Contract Documents.

8. CHANGES IN WORK

A. The City reserves the right to make changes in the plans and specifications by

altering, adding to, or deducting from the work, without invalidating the contract. All such changes shall be executed under the conditions of the original contract, except that any claim for extension of time caused thereby shall be adjusted at the time of ordering such change.

B. No change shall be made unless a written Change Order and/or modified Purchase Order is issued by the City stating that the City has authorized the change, and no claim for an addition to the contract shall be valid unless so ordered.

C. If such changes diminish the quantity of work to be done they shall not constitute a claim for damage or anticipated profits on the work, such increase shall be paid in one or more of the following ways:

1. by estimate and acceptance in lump sum

2. by unit prices named in the contract's bid form or subsequently agreed upon

D. Whenever the quantity of any pay item as given in the proposal shall be increased or decreased, payment shall be made on the basis of the actual quantity completed at the unit price for such pay item named in the proposal.

E. When the City authorizes the contractor to add, delete, or revise the work within the general scope of the contract documents, or authorizes an adjustment in the contract price or contract time, the City shall submit a change order to the Agency.

F. For each change order, the City shall submit to the Agency for approval the following documentation:

(i) one copy of the fully executed change order signed by the City, construction engineer, and the contractor; and

(ii) a description of any changes, with justification for the changes.

G. Prior approval by the Agency of a change order is required when a change order results in:

(i) alterations in design scope that require a modification to a construction permit; or

(ii) an increase in the amount of loan funds needed to complete the project.

H. Failure to give timely notice of proposed project changes or action by the City that is not consistent with the Agency's determination on those changes may result in disallowance of the City for costs incurred that are attributable to the change.

9. DEDUCTION FOR UNCORRECTED WORK

If the City deems it expedient to correct work damaged or not done in accordance with the contract, the difference in value, together with a fair allowance for damage shall be deducted from the contract amount due. The value of such deduction shall be determined by the City.

10. CITY'S RIGHT TO TERMINATE CONTRACT

The City reserves the right, in addition to other rights to termination, to terminate the contracts in accordance with all provisions of the executed contract.

11. LIENS

A. Neither the final payment nor any part of any retained percentages, shall become due until the contractor, if required, delivers to the City, a complete release of all liens arising out of this contract, or receipts in full in lieu thereof and, if required in either case, an affidavit that so far as it has knowledge or information the releases and receipts include all the labor and material for which a lien could be filed. If any lien remains unsatisfied after all payments are made the contractor shall refund to the City all moneys that the latter may be compelled to pay in discharging such a lien, including all costs and attorney's fees.

12. SEPARATE CONTRACTS

A. The City reserves the right to let other contracts in connection with this work. The contractor shall afford other contractors reasonable opportunity for the introduction and storage of their materials and the execution of their work and shall properly connect and coordinate his or her work with theirs. If any part of the contractor's work depends on proper execution or results upon the work of any other contractor, the contractor shall inspect and promptly report to the City any defects in such work that render it unsuitable for such proper execution and results. His or her failure to so inspect and report shall constitute an acceptance of other contractor's work as fit and proper.

B. To insure the proper execution of his or her subsequent work, the contractor shall measure work already in place and shall at once report to the City any discrepancy between the executed work and the drawings which will affect his or her work.

13. PROTECTION & SAFEGUARDS

A. Unless otherwise specified, the contractor, as a part of this contract, shall provide, erect and maintain temporary roads, fences, bracing, lights, warning signs, barricades, etc. necessary for the protection of the construction materials, adjacent property and the public.

B. The contractor shall contact all utilities which will be affected by its operations and notify the owners of the utilities of its operations and their limits within forty-eight (48) hours prior to beginning construction. The contractor shall be responsible for damage to utilities and shall, at his or her own expense, restore such property to a condition equal to that which existed before its work, as may be directed by the

owners.

C. The contractor shall protect all work and unused materials of this contract from any and all damage and shall be solely responsible for the condition of such work and materials.

14. MATERIAL STORAGE

A. On-site areas may be designated for material/equipment storage. The contractor will assume all risk and liability associated with the storage of material/equipment at on-site locations.

15. CLEANING UP

A. The contractor shall at all time keep the premises free from accumulation of waste material or rubbish caused by its employees or work and at the completion of the work it shall remove all its rubbish, tools, and surplus materials from the premises, leaving the area in a neat and workmanlike condition. In case of dispute, the City may remove the rubbish and charge the cost to the contractor.

B. Contractor recognizes that proper cleanup and removal of construction debris is an important safety consideration. The Contractor shall be solely responsible for daily construction site/area cleanup and removal of all construction debris in accordance with City-approved disposal practices. Contractor shall be solely responsible for identifying and removing at its expense all hazardous material and waste which it uses and generates.

16. RESTORATION OF SITE

A. Prior to final payment, contractor shall fully restore all property disturbed or damaged during the course of this work. This includes, but is not limited to public property, (walks, curbs, roadways, trees, etc.) private property, and utilities. This shall also include removal of temporary facilities erected during the course of this contract and restoration of these areas.

B. All restoration work shall be subject to the approval of the City and shall restore the property to a condition at least equal to that existing prior to the start of this contract.

C. All restoration work of property damaged by contractor shall be accomplished at the sole expense of the contractor.

17. PREVAILING WAGE

A. Prospective Bidders shall thoroughly familiarize themselves with the provisions of the above-mentioned Act and shall prepare any and all bids/bids in strict compliance therewith.

B. **Effective September 1st - All work performed on new and existing projects must be submitted to** Illinois Department of Labor **through the certified transcript of payroll portal.** You may access the portal here:

Certified Transcript of Payroll Portal

All contractors and sub-contractors on public works projects ***must submit and upload certified payrolls*** on a monthly basis to the **IDOL** online portal, provide a pdf copy to the City's project manager and business work force development coordinator, along with a statement affirming that such records are true and accurate, that the wages paid to each worker are not less than the required prevailing rate and that the contractor is aware that filing records her or she knows to be false is a Class B misdemeanor.

C. The certified payroll record must include for every worker employed on the public works project the name, address, telephone number, social security number, job classification, hourly wages paid in each pay period, number of hours worked each day, and starting and ending time of work each day. These certified payroll records are considered public records and public bodies must make these records available to the public under the Freedom of Information Act, with the exception of the employee's address, telephone number and social security number. Any contractor who fails to submit a certified payroll or knowingly files a false certified payroll is guilty of a Class B misdemeanor.

D. All certified payrolls shall be submitted in electronic format, preferably a PDF file.

E. As a condition of receiving payment, Contractor must (i) be in compliance with the Agreement, (ii) pay its employees prevailing wages when required by law (Examples of prevailing wage categories include public works, printing, janitorial, window washing, building and grounds services, site technician services, natural resource services, security guard and food services). Contractor is responsible for contacting the Illinois Dept. of Labor 217-782-1710; https://www2.illinois.gov/idol/Laws-Rules/CONMED/Pages/prevailing-wage-act.aspx compliance with prevailing wage requirements), (iii) pay its suppliers and sub-contractors according to the terms of their respective contracts, and (iv) provide lien waivers to the City upon request.

F. The Contractor shall pay prevailing wages in accordance with the Davis-Bacon Act (40 USC 3141 through 3148) as defined by the U.S. Department of Labor.

18. CONTRACTOR REQUIREMENTS

A. The Contractor shall abide by and comply with all local, State and federal laws and regulations relating to contracts involving public funds and the development/construction of public works, buildings, or facilities. The scale of wages to be paid shall be obtained from Illinois Department of Labor and posted by the Contractor in a prominent and accessible place at the project work site.

B. The Contractor certifies it has not been barred from being awarded a contract with a unit of State or local government as a result of bid rigging or bid rotating or any similar offense (720 ILCS 5/33 E-3, E-4).

C. The Contractor certifies, pursuant to the Illinois Human Rights Act (775 ILCS 5/2-105), that it has a written sexual harassment policy that includes, at a minimum, the following information: (1) the illegality of sexual harassment, (2) the definition of sexual harassment under State law, (3) a description of sexual harassment utilizing examples, (4) the Contractor's internal complaint process including penalties, (5) legal recourse, investigation and complaint process available through the Illinois Department of Human Rights and the Human Rights Commission and directions on how to contact both; and (6) protection against retaliation as provided by Section 6-101 of the Illinois Human Rights Act.

D. The Contractor shall abide by the "Illinois Preference Act" which stipulates that whenever there is a period of excessive unemployment in Illinois, defined as any month immediately following two (2) consecutive months during which the level of unemployment in Illinois exceeds five percent (5%) as measured by the U.S. Bureau of Labor Statistics in its monthly publication of employment and unemployment figures, the Contractor shall employ only Illinois laborers unless otherwise exempted as so stated in the Act. ("Illinois laborer" means any person who has resided in Illinois for at least 30 days and intends to become or remain an Illinois resident) Other laborers may be used IF Illinois laborers are not available or are incapable of performing the particular type of work involved if so certified by the Contractor and approved by the project engineer.

19. SUB-CONTRACTORS

A. The term "sub-contract" means any agreement, arrangement or understanding, written or otherwise between a Contractor and any person (in which the parties do not stand in the relationship of an employer or an employee) for the furnishing of supplies or services or for the use of real or personal property, including lease arrangements, which, in whole or in part, is utilized in the performance of any one or more Contracts under which any portion of the Contractor's obligation under any one or more Contracts is performed, undertaken or assumed.

B. The Bidder is specifically advised that any person, firm or party, to whom it is proposed to award a sub-contract under this contract must be acceptable to the City. Approval for the proposed sub-contract Award cannot be given by the City until the proposed Sub-contractor has submitted evidence showing that it has fully complied with any reporting requirements to which it is, or was, subject.

C. The contractor, shall, within ten (10) days after award of the Contract, submit to the City in writing, names and addresses and respective amounts of money for proposed contracts with Sub-contractors/major suppliers. The City will review and may direct the Contractor that they shall not employ any that are not acceptable as provided above.

D. The sub-contractor shall abide by and comply with all local, State and federal laws and regulations relating to contracts involving public funds and the

development/construction of public works, buildings, or facilities.

20. PAYMENTS TO SUB-CONTRACTORS

A. Within seven days after the receipt of amounts paid by the City for work performed by a sub-contractor under this contract, the Contractor shall either:

1. Pay the sub-contractor for the proportionate share of the total payment received from the City attributable to the work performed by the sub-contractor under this contract; or,

2. Notify the City and sub-contractor, in writing, of his intention to withhold all or a part of the sub-contractor's payment and the reason for non-payment.

B. The Contractor shall pay interest to the sub-contractor on all amounts owed that remain unpaid beyond the seven day period except for amounts withheld as allowed in item 2 above.

C. Unless otherwise provided under the terms of this contract, interest shall accrue at the rate of one percent per month.

D. The Contractor shall include in each of its sub-contracts a provision requiring each Sub-contractor to include or otherwise be subject to the same payment and interest requirements as set forth above with respect to each lower-tier sub-contractor.

E. The Contractor's obligation to pay an interest charge to a sub-contractor pursuant to this provision may not be construed to be an obligation of the City.

21. BOND – PERFORMANCE, MATERIAL, & LABOR

A. When required by the specifications herein, the successful Bidder or Bidders shall, within ten (10) calendar days after acceptance of the Bidder's bid by the City, furnish a performance bond for 100% of the full amount of the contract from insurance companies having not less than A+ Policyholders Rating from the most recent Alfred M. Best and Co., Inc. listing available. Certification of the insurance company's rating shall be provided prior to contract implementation and quarterly thereafter until contract completion. Should such rating fall below the required A+ level during performance of the contract, it will be the contractor's responsibility to notify the City and provide a new bond from an insurance company whose rating meets the City's requirements.

B. When required by the specifications herein, all Bidders shall submit with the bid a bid bond. A letter of credit may be furnished in lieu of a bid bond only if the following conditions are met: 1) An irrevocable letter of credit must be obtained from an accredited bank which shall include an agreement that the bank will honor a demand by the City for payment due to Plaintiff failure to complete the project. 2) An irrevocable letter of credit must be in writing and signed by an

authorized representative of the bank. 3) The irrevocable letter of credit must expressly state that it is irrevocable until the bid has been awarded. 4) The letter of credit must be for the percentage specified in the bid documents.

C. The City may reject the use of an irrevocable letter of credit if the financial soundness of the issuing bank is found to be unacceptable.

D. In the event that the Bidder fails to furnish a performance bond in said period of ten (10) calendar days after acceptance of the Bidder's bid by the City, the City may withdraw its acceptance of the bid and retain the Bidder's deposit as liquidated damages and not as a penalty.

E. If the contractor has more than one project for which there is a contract with the City of Evanston the contractor shall provide a separate Performance Bond for each project.

22. INDEMNITY

A. The Contractor shall defend, indemnify and hold harmless the City and its officers, elected and appointed officials, agents, and employees from any and all liability, losses, or damages as a result of claims, demands, suits, actions, or proceedings of any kind or nature, including but not limited to costs, and fees, including attorney's fees, judgments or settlements, resulting from or arising out of any negligent or willful act or omission on the part of the Contractor or Contractor's sub-contractors, employees, agents or sub-contractors during the performance of this Agreement. Such indemnification shall not be limited by reason of the enumeration of any insurance coverage herein provided. This provision shall survive completion, expiration, or termination of this Agreement.

B. Nothing contained herein shall be construed as prohibiting the City, or its officers, agents, or employees, from defending through the selection and use of their own agents, attorneys, and experts, any claims, actions or suits brought against them. The Contractor shall be liable for the reasonable costs, fees, and expenses incurred in the defense of any such claims, actions, or suits. Nothing herein shall be construed as a limitation or waiver of defenses available to the City and employees and agents, including but not limited to the Illinois Local Governmental and Governmental Employees Tort Immunity Act, 745 ILCS 10/1-101 *et seq.*

D. At the City Corporation Counsel's option, Contractor must defend all suits brought upon all such Losses and must pay all costs and expenses incidental to them, but the City has the right, at its option, to participate, at its own cost, in the defense of any suit, without relieving Contractor of any of its obligations under this Agreement. Any settlement of any claim or suit related to this Project by Contractor must be made only with the prior written consent of the City Corporation Counsel, if the settlement requires any action on the part of the City.

D. To the extent permissible by law, Contractor waives any limits to the amount of

its obligations to indemnify, defend, or contribute to any sums due under any Losses, including any claim by any employee of Contractor that may be subject to the Illinois Workers Compensation Act, 820 ILCS 305/1 et seq. or any other related law or judicial decision, including but not limited to, Kotecki v. Cyclops Welding Corporation, 146 Ill. 2d 155 (1991). The City, however, does not waive any limitations it may have on its liability under the Illinois Worker Compensation Act, the Illinois Pension Code or any other statute.

E. The Contractor shall be responsible for any losses and costs to repair or remedy work performed under this Agreement resulting from or arising out of any act or omission, neglect, or misconduct in the performance of its Work or its sub-contractors' work. Acceptance of the work by the City will not relieve the Contractor of the responsibility for subsequent correction of any such error, omissions and/or negligent acts or of its liability for loss or damage resulting therefrom.

23. CONTRACTOR'S LIABILITY INSURANCE

A. THE CONTRACTOR SHALL NOT COMMENCE WORK UNDER THIS CONTRACT UNTIL THEY HAVE OBTAINED ALL INSURANCE REQUIRED HEREIN AND SUCH INSURANCE HAS BEEN APPROVED BY THE CITY. Nor shall the contractor allow any sub-contractor to commence work until all similar insurance required of the sub-contractor has been so obtained.

B. The City of Evanston shall be named as an additional insured on the policy of the contractor for whatever the policy limits are for the contractor, but in no event shall the Comprehensive General Liability limits be less than $3,000,000.00.

C. If the contractor has more than one project for which he has a contract with the City of Evanston there shall be separate Certificates of Insurance naming the City as an additional insured on each separate policy.

D. In the event of accidents, injuries, or unusual events, whether or not any injury occurred, the contractor shall promptly furnish the City with copies of all reports of such incidents.

E. The contractor shall furnish one (1) copy of a certificate, with the City named as an additional insured, showing the following minimum coverage with insurance company acceptable to the City.

24. PRE-CONSTRUCTION MEETING

A. A pre-construction meeting will be scheduled for the successful Contractor at a date immediately following awarding of the Contracts.

25. LIQUIDATED DAMAGES

A. The Contractor must commence work within 10 days of notice from the City and the work must be completed within 160 Calendar Days. In the event the work is

not substantially completed by the interim completion dates in the specifications, then in addition to any remedies available to the City, the Contractor will pay to the City the sum of **One Thousand Four Hundred and Twenty Five Dollars (1,425.00)** per day for each calendar day beyond those dates, until substantial completion of the work has been achieved. This payment is for liquidated damages, in addition to any other damages that may be incurred by the City, and not as a penalty. All such liquidated damages may be set-off against any moneys that may be due the contractor.

B. Substantial Completion shall be defined as the stage in the progress of the work when the work or designated portion thereof is sufficiently complete in accordance with the Contract Documents so that the City can occupy or utilize the work for its intended use. For this project, substantial completion shall be accomplished when all work is completed within 130 Calendar Days except placement of sod, landscaping items, and punch list items. Substantial Completion will be certified by the issuance of a Certificate of Substantial Completion, to be issued by the City's representative, when the Contractor has satisfied the above statement and billed the City for a minimum of 90% of the total value of the work.

26. EXTENSION OF TIME

A. Delays due to causes beyond the control of the contractor other than such as reasonable would be expected to occur in connection with or during the performance of the work, may entitle the contractor to an extension of time for completing the work sufficient to compensate for such delay. No extension of time shall be granted, however, unless the contractor shall notify the City in writing thereof, within ten (10) days from the initiation of the delay and unless he shall, within ten (10) days after the expiration of the delay, notify the City in writing of the extension of time claimed on account thereof and then only to the extent, if any, allowed by the City.

27. DEFAULT

A. The City may, subject to the provisions of this section, by written notice of default to Contractor, terminate the whole or any part of this contract in any one of the following circumstances:

1. if the Contractor fails to perform the services within the time specified herein, or any extension thereof; or
2. if the contractor fails to perform any of the other provisions of this contract, or so fails to make progress as to endanger performance of this contract in accordance with its terms, and in either of these two circumstances does not cure failure within a period of 10 days (or such other extended period as the City may authorize in writing) after receipt of notice from the City specifying such failure

B. In the event the City terminates this contract in whole or in part as provided in this section, the City may procure, upon such terms and in such manner as the

City may deem appropriate, services similar to those so terminated, and the Contractor will be liable to the City for any excess costs for such similar services.

C. The Contractor will not be liable for any excess of costs if acceptable evidence has been submitted to the City that the failure to perform the contract was due to causes beyond the control and without fault or negligence of the Contractor.

D. Contractors who default may not be considered for awards of future City contracts.

28. USE OF PREMISES

A. The contractor shall confine his apparatus, the storage of materials and the operations of his workers, to limits indicated by law, ordinances, permits or directions of the City.

29. DISCLOSURES AND POTENTIAL CONFLICTS OF INTEREST (30 ILCS 500/50-35)

A. The City of Evanston's Code of Ethics prohibits public officials or employees from performing or participating in an official act or action with regard to a transaction in which he has or knows he will thereafter acquire an interest for profit, without full public disclosure of such interest. This disclosure requirement extends to the spouse, children and grandchildren, and their spouses, parents and the parents of a spouse, and brothers and sisters and their spouses.

To ensure full and fair consideration of all bids, the City of Evanston requires all Bidders including owners or employees to investigate whether a potential or actual conflict of interest exists between the Bidder and the City of Evanston, its officials, and/or employees. If the Bidder discovers a potential or actual conflict of interest, the Bidder must disclose the conflict of interest in its bid, identifying the name of the City of Evanston official or employee with whom the conflict may exist, the nature of the conflict of interest, and any other relevant information. The existence of a potential or actual conflict of interest does NOT, on its own, disqualify the disclosing Bidder from consideration. Information provided by Bidders in this regard will allow the City of Evanston to take appropriate measures to ensure the fairness of the bidding process.

The City of Evanston requires all bidders to submit a certification, enclosed with this bid packet, that the bidder has conducted the appropriate investigation and disclosed all potential or actual conflicts of interest.

By submitting a bid, all Bidders acknowledge and accept that if the City of Evanston discovers an undisclosed potential or actual conflict of interest, the City of Evanston may disqualify the Bidder and/or refer the matter to the appropriate authorities for investigation and prosecution.

30. CONTRACTOR BANKRUPTCY

A. In the event of a contractor bankruptcy, the City shall notify the IEPA (the Agency) and shall keep the Agency advised of any negotiations with the bonding company, including any proposed settlement. The Agency may participate in those negotiations and will advise the City of the impact of any proposed settlement to the loan agreement. The City shall be responsible for assuring that every appropriate procedure and incidental legal requirement is observed in advertising for bids and re-awarding a construction contract.

31. REMEDIES

A. All claims, counter-claims, disputes and other matters in question between the City and the contractor arising out of, or relating to, a sub agreement or its breach shall be decided by arbitration if the parties agree, or in a court of competent jurisdiction within the State.

32. WORK SITE ACCESS

A. Every contract entered by the City for construction work, and every sub agreement, shall provide the Agency representatives with access to the work. The contractor or subcontractor shall provide facilities for such access and inspection.

33. NON-DISCRIMINATION CLAUSE

A. The Contractor shall not discriminate based on race, color, national origin or sex in the performance of this contract. The contractor shall carry out applicable requirements of 40 CFR Part 33 in the award and administration of contracts awarded under EPA financial assistance agreements. Failure by the contractor to carry out these requirements is a material breach of this contract which may result in the termination of this contract or other legally available remedies.

34. AUDIT

A. The contractor shall maintain books, records, documents and other evidence directly pertinent to performance on loan work in accordance with Generally Accepted Accounting Principles (GAAP). The contractor shall also maintain the financial information and data used by the contractor in the preparation or support of any cost submissions required under Section 365.420 (b)(2) of the loan rules and a copy of the cost summary submitted to the owner. The Illinois Auditor General, the owner, the Agency, or any of their authorized representatives shall have access to the books, records, papers, documents, and other evidence for purposes of inspection, audit, examination, excerpts, transcriptions, and copying. The contractor shall provide facilities for access and inspection.

B. For a formally advertised, competitively awarded, fixed price contract, the contractor shall include access to records as required by subsection (a)(1)(A) for all negotiated change orders and contract amendments in excess of $25,000 that affect the contract price. In the case of all other prime contracts, the contractor

shall agree to include access to records required by subsection (a)(1)(A) in all contracts and all tier subcontracts or change orders in excess of $25,000 that are directly related to project performance.

C. Audits shall be in accordance with auditing standards generally accepted in the United States.

D. The contractor shall agree to the disclosure of all information and reports resulting from access to records required by subsection (a)(1)(A). When the audit concerns the contractor, the auditing agency shall afford the contractor an opportunity for an audit exit conference and an opportunity to comment on the pertinent portions of the draft audit report. The final audit report shall include the written comments, if any, of the audited parties.

E. The records required by subsection (a)(1)(A) shall be maintained and made available during performance of the work under the loan agreement and for 3 years after the date of the final loan audit. In addition, records that relate to any dispute or litigation or the settlement of claims arising out of any performance, costs or items to which an audit exception has been taken, shall be maintained and made available for 3 years after resolution of the dispute, appeal, litigation, claim or exception.

F. (vi) The right of access will generally be exercised with respect to financial records under:

(1) Negotiated prime contracts;

(2) Negotiated change orders or contract amendments in excess of $25,000 affecting the price of any formally advertised, competitively awarded, fixed price contract; and

(3) Subcontracts or purchase orders under any contract other than a formally advertised, competitively awarded, fixed price contract.

G. The right of access will generally not be exercised with respect to a prime contract, subcontract, or purchase order awarded after effective price competition. In any event, the right of access shall be exercised under any type of contract or subcontract:

(1) With respect to records pertaining directly to contract performance, excluding any financial records of the contractor; and
(2) If there is any indication that fraud, gross abuse, or corrupt practices may be involved in the award or performance of the contract or subcontract.

35. SUBCONTRACTS UNDER CONSTRUCTION CONTRACTS

A. The award or execution of all subcontracts by a prime contractor and the

procurement and negotiation procedures used by the prime contractor shall comply with:

1) all applicable provisions of federal, State, and local law;

2) all provisions of this Part regarding fraud and other unlawful or corrupt practices;

3) all provisions of this Part with respect to access to facilities, records, and audit of records; and

4) all provisions of subsection (f)(5) that require a Certification Regarding Debarment, Suspension, and Other Responsibility Matters (EPA Form 5700-49) showing compliance with any controlling federal Executive Orders.

36. COVENANT AGAINST CONTINGENT FEE

A. The contractor shall warrant that no person or selling agency has been employed or retained to solicit or secure the contract upon an agreement or understanding for a commission, percentage, brokerage, or contingent fee. For breach or violation of this warranty, the owner shall have the right to annul the contract without liability or in its discretion to deduct from the contract price or consideration, or otherwise recover, the full amount of such commission, percentage, brokerage, or contingent fee.

INSURANCE REQUIREMENTS

TYPE OF INSURANCE	MINIMUM INSURANCE COVERAGE	
	Consequent Death	Bodily Injury and Property Damage
	Each Occurrence	Aggregate
Commercial General Liability including: 1. Comprehensive form 2. Premises - Operations 3. Explosion & Collapse Hazard 4. Underground Hazard 5. Products/Completed Operations Hazard 6. Contractual Insurance – With an endorsement on the face of the certificate that it includes the "Indemnity" paragraph of the specifications. 7. Broad Form Property Damage - construction projects only 8. Independent contractors 9. Personal Injury	$3,000,000	$3,000,000
	Insurance Certificate Must State: <u>The City Of Evanston is Named as Additional Insured</u>	
Automobile Liability Owned, Non-owned or Rented	$ 1,000,000	$1,000,000
Workmen's Compensation and Occupational Diseases As required by applicable laws. Employer's Liability		$ 500,000

Thirty day notice of cancellation required on all certificates.

EXHIBIT A – BID FORM
For
2025 PRIORITIZED WATERMAIN AND LEAD WATER SERVICE LINE REPLACEMENT PROJECT

(BID #25-10)

1.01 BID TO:

THE CITY OF EVANSTON
2100 Ridge Avenue
Evanston, Illinois 60201

Hereinafter called “OWNER”.

1.02 BID FROM:

_____
(Hereinafter call "BIDDER")

_____
Address

_____
Telephone Number

_____
Fax Number

1.03 BID FOR: **2025 PRIORITIZED WATERMAIN AND LEAD WATER SERVICE LINE REPLACEMENT PROJECT**

1.04 ACKNOWLEDGEMENT:

A. The Bidder, in compliance with the Invitation for Bids, having carefully examined the Drawings and Project Manual with related documents and having visited the site of the proposed Work, and being familiar with all of the existing conditions and limitations surrounding the construction of the proposed project, including the structure of the ground, subsurface conditions, the obstacles which may be encountered, local restrictions, and all other relevant matters concerning the Work to be performed, hereby PROPOSES to perform everything required to be performed, and to provide all labor, materials, necessary tools and equipment, expendable equipment, all applicable permits and taxes and fees, and provide all utility and

transportation services necessary to perform and complete in a workmanlike manner the Project in accordance with all the plans, specifications and related Contract Documents as prepared by the City of Evanston.

B. The undersigned hereby acknowledges receipt of Invitation of Bids, Instruction to Bidder, the Project Manual, Drawings, and other Contract Documents and acknowledges receipt of the following Addenda:

Addendum No. _____ Dated _____

Addendum No. _____ Dated _____

Addendum No. _____ Dated _____

1.05 GENERAL STATEMENTS

A. The undersigned has checked all of the figures contained in this proposal and further understands that the Owner will not be responsible for any errors or omissions made therein by the undersigned.

B. It is understood that the right is reserved by the Owner to reject any or all proposals, to waive all informality in connection therewith and to award a Contract for any part of the work or the Project as a whole.

C. The undersigned declares that the person(s) signing this proposal is/are fully authorized to sign on behalf of the named firm and to fully bind the named firm to all the conditions and provisions thereof.

D. It is agreed that no person(s) or company other than the firm listed below or as otherwise indicated hereinafter has any interest whatsoever in this proposal or the Contract that may be entered into as a result thereof, and that in all respects the proposal is legal and fair, submitted in good faith, without collusion or fraud.

E. By submission of the bid, each bidder certifies, and in the case of a joint bid, each party to the joint bid certifies as to the party's own organization, that, in connection with the bid:

(i) the prices in the bid have been arrived at independently, without consultation, communication, or agreement, for the purpose of restricting competition, as to any matter relating to the prices with any other bidder or with any competitor;

(ii) unless otherwise required by law, the prices quoted in the bid have not knowingly been directly or indirectly disclosed to any other bidder or to any competitor prior to opening; and

(iii) no attempt has been made or will be made by the bidder to induce any other person or firm to submit or withhold a bid for the purpose of restricting competition. Also, each bidder shall submit a certification regarding compliance with

Section 33E-11 of the Illinois Criminal Code of 2012 [720 ILCS 5];

F. Each person signing the bid shall certify that:

(i) the signer is the person in the bidder's organization responsible for the decision as to the prices being bid and that the signer has not participated, and will not participate, in any action contrary to subsection (c)(6)(A); or

(ii) the signer is not the person in the bidder's organization responsible for the decision as to the prices being bid, but that the signer has been authorized to act as agent certifying that the persons determining the prices have not participated, and will not participate, in any action contrary to subsection (c)(6)(A), and as the bidder's agent shall so certify. The signer shall also certify that the signer has not participated, and will not participate, in any action contrary to subsection (c)(6)(A).

G. It is agreed that the undersigned has complied and/or will comply with all requirements concerning licensing and with all other local, state and national laws, and that no legal requirement has been or will be violated in making or accepting this proposal, in awarding the Contract to him, and/or in the prosecution of the Work required hereunder.

H. To be considered a bona fide offer, this proposal must be completed in full and accompanied by a bid deposit or a bid bond when required by Contract Documents or Addenda.

1.06 ALTERNATES

A. When alternate proposals are required by Contract Documents or Addenda thereto, the undersigned proposes to perform alternates for herein stated additions to or deductions from hereinbefore stated Base Bid. Additions and deductions include all modifications of Work or additional Work that the undersigned may be required to perform by reason of the acceptance of alternates.

1.07 ALLOWANCE

A. The allowance is general and should be used in the event that any unforeseen condition is discovered. After discovering the unforeseen condition, the contractor shall submit a Found Condition Report (FCR) and an Authorization to Use Allowance (AUA) to the Consultant. The Consultant will then notify the Owner and both the Owner and the Consultant will view the unforeseen condition to determine if the work will be authorized. Under no circumstances shall the contractor move forward with the work in question nor shall the contractor expend allowance without an approved

AUA. At the end of the project, unspent allowance shall be credited to owner via change order.

1.08 AGREEMENT

A. In submitting this Bid, the undersigned agrees:

1. To hold this Bid open for one hundred twenty (120) days from submittal date.
2. To enter into and execute a Contract with the Owner within ten (10) days after receiving Notice of Award from the Owner.
3. To accomplish the work in accordance with the Contract Documents.
4. To complete the work by the time stipulated in the General Conditions

B. The Owner reserves the right to reject any and all Bids and to waive any informalities in Bidding.

1.09 SCHEDULE

A. See General Conditions for required schedule of completion dates.

1.10 PROPOSED PRICES

A. The Bidder hereby proposes to furnish all labor, materials, equipment, transportation, construction plant and facilities necessary to complete, in a workmanlike manner and in accordance with the contract documents, the contract of work bid upon herein for compensation in accordance with the following prices:

TOTAL BID AMOUNT: **$_____**

1.11 UNIT PRICING LIST

The undersigned submits the following UNIT PRICING LIST to be performed as shown on the Plans and/or described in the Specifications, and agrees that items of work not specifically mentioned in the Schedule which are necessary and required to complete the work intended shall be done incidental to and as part of the work for which a unit price is given, and understands that no additional payment will be made for such incidental work from the estimated quantities shown below. Unit prices for individual line items shall be used for the project's schedule of values, pay applications and will also be used to determine the amount to ADD TO or DEDUCT FROM the contract LUMP SUM PRICE for properly authorized additional or deducted work. In the event of a change to the contract the contractor shall be limited to markup percentages as indicated in Section 01028, 1.05, A. Bidders shall examine plans and determine actual work items and quantities for the work involved for bid analysis by the Owner.

2025 PRIORITIZED WATERMAIN AND LEAD WATER SERVICE LINE REPLACEMENT PROJECT					
ITEM NO.	ITEM	UNIT	Quantity	Unit Price	Cost
1	TEMPORARY FENCE	FOOT	10000		
2	TREE TRUNK PROTECTION	EACH	200		
3	TREE ROOT PRUNING	FOOT	1950		
4	TREE PRUNING	EACH	285		
5	REMOVAL AND DISPOSAL OF UNSUITABLE MATERIAL	CU YD	70		
6	EARTH EXCAVATION	CU YD	10		
7	TRENCH BACKFILL	CU YD	3600		
8	POROUS GRANULAR BACKFILL	TON	325		
9	TOPSOIL FURNISH AND PLACE, SPECIAL	CU YD	460		
10	SODDING, SALT TOLERANT	SQ YD	6000		
11	EXPLORATION TRENCH, SPECIAL (UP TO 8 FEET DEEP)	EACH	70		
12	EXPLORATION TRENCH BY TREE, SPECIAL (UP TO 2 FEET DEEP)	EACH	10		
13	INLET FILTERS	EACH	50		
14	SUBBASE GRANULAR MATERIAL, TYPE B	TON	150		
15	BITUMINOUS MATERIALS (TACK COAT)	POUND	2025		
16	AGGREGATE (PRIME COAT)	TON	1		
17	HOT-MIX ASPHALT SURFACE REMOVAL - BUTT JOINT	SQ YD	950		
18	HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N50	TON	510		
19	HMA SURFACE REMOVAL, VARIABLE DEPTH	SQ YD	4500		
TO BE CONTINUED BELOW					

20	LEVELING BINDER (MACHINE METHOD), N50	TON	255		
21	TEMPORARY RAMPS	SQ YD	950		
22	AGGREGATE FOR TEMPORARY ACCESS	TON	3450		
23	TEMPORARY HOT MIX-ASPHALT	TON	200		
24	TEMPORARY COLD-MIX ASPHALT	TON	40		
25	PORTLAND CEMENT CONCRETE SIDEWALK, 5 INCH	SQ FT	16280		
26	DETECTABLE WARNINGS	SQ FT	30		
27	COMBINATION CURB & GUTTER REMOVAL	FOOT	260		
28	CONCRETE CURB REMOVAL	FOOT	440		
29	SIDEWALK REMOVAL	SQ FT	16280		
30	P.C.C. DRIVEWAY PAVEMENT, 6-INCH	SQ YD	220		
31	DRIVEWAY PAVEMENT REMOVAL	SQ YD	700		
32	INCIDENTAL HOT MIX ASPHALT	TON	55		
33	FULL DEPTH PATCHES, SPECIAL 11"	SQ YD	1400		
34	COMBINED SEWERS 8", SPECIAL (DIP CL 52)	FOOT	60		
35	WATER MAIN 10" (DIP CL 52), PUSH JOINT, EXTERNAL ZINC-BASED COATED	FOOT	1380		
36	WATER MAIN 8" (DIP CL 52), PUSH JOINT, EXTERNAL ZINC-BASED COATED	FOOT	20		
37	WATER MAIN 6" (DIP CL 52), PUSH JOINT, EXTERNAL ZINC-BASED COATED	FOOT	20		
38	WATER VALVES, 10", COMPLETE	EACH	3		
39	WATER VALVES, 8", COMPLETE	EACH	1		
40	WATER SERVICE LINE, 2" DIA OR LESS, SHORT-PUBLIC SIDE REPLACEMENT	EACH	14		
TO BE CONTINUED BELOW					

41	WATER SERVICE LINE, 2" DIA OR LESS, SHORT-FULL REPLACEMENT	EACH	28		
42	WATER SERVICE LINE, 2" DIA OR LESS, LONG-PUBLIC SIDE REPLACEMENT	EACH	6		
43	WATER SERVICE LINE, 2" DIA OR LESS, LONG-FULL REPLACEMENT	EACH	25		
44	WATER SERVICE LINE, 4" DIA OR GREATER, VALVES, VALVE BOXES, COMPLETE	EACH	4		
45	SHORT PRIVATE SIDE LEAD WATER SERVICE LINE REPLACEMENT, 2" DIA OR LESS	EACH	3		
46	LONG PRIVATE SIDE LEAD WATER SERVICE LINE REPLACEMENT, 2" DIA OR LESS	EACH	213		
47	ADJUSTING SANITARY SERVICES, 8-INCH DIA OR LESS	EACH	75		
48	FIRE HYDRANTS TO BE REMOVED	EACH	3		
49	FIRE HYDRANTS WITH AUXILIARY VALVE, 6" DIWM PIPE, VALVE BOX AND TEE, COMPLETE	EACH	5		
50	FLUOROCARBON RUBBER (VITON) GASKET, 12" (ALLOWANCE)	EACH	3		
51	FLUOROCARBON RUBBER (VITON) GASKET, 10" (ALLOWANCE)	EACH	15		
52	FLUOROCARBON RUBBER (VITON) GASKET, 8" (ALLOWANCE)	EACH	5		
53	FLUOROCARBON RUBBER (VITON) GASKET, 6" (ALLOWANCE)	EACH	7		
54	DUCTILE IRON WATERMAIN FITTINGS (ALLOWANCE)	POUND	380		
55	MANHOLES TO BE RECONSTRUCTED	EACH	1		
56	VALVE VAULTS TO BE RECONSTRUCTED	EACH	1		
57	VALVE VAULTS, TYPE A, 5'-DIAMETER, TYPE 1 FRAME, CLOSED LID	EACH	3		
58	VALVE BOX, COMPLETE	EACH	1		
59	FRAMES AND LIDS, CLOSED LID	EACH	2		
60	FILLING VALVE BOXES	EACH	4		
TO BE CONTINUED BELOW					

61	FILLING VALVE VAULTS	EACH	1		
62	COMB. CONC. CURB & GUTTER, TYPE B-6.12 (AEP MODIFIED)	FOOT	260		
63	CONCRETE CURB, TYPE B (AEP MODIFIED)	FOOT	440		
64	NON-SPECIAL WASTE DISPOSAL	CU YD	450		
65	SPECIAL WASTE PLANS AND REPORTS	LSUM	2		
66	SOIL DISPOSAL ANALYSIS	EACH	2		
67	MOBILIZATION	LSUM	3		
68	TRAFFIC CONTROL AND PROTECTION	LSUM	3		
69	CONSTRUCTION LAYOUT	LSUM	2		
70	STREET SWEEPING	EACH	25		
71	SPEED HUMPS COMPLETE	SQ YD	200		
72	THERMOPLASTIC PAVEMENT MARKING LINE -12"	FOOT	350		
73	THERMOPLASTIC PAVEMENT MARKING LINE -24"	FOOT	110		
74	PRE AND POST CONSTRUCTION SUB-SURFACE VIDEOTAPING	FOOT	4000		
75	LANDSCAPING ALLOWANCE	LSUM	1	$10,000	
76	ELECTRICAL GROUNDING ALLOWANCE	LSUM	1	$15,000	
77	BRICK SIDEWALKS, REMOVE AND RESET	SQ FT	350		
78	LEAD-BASED PAINT AND ASBESTOS MATERIALS REMEDIATION ALLOWANCE	LSUM	1	$3,000	
79	CORING INTERIOR WALLS	EACH	50		
80	EXTERIOR COPPER PIPE	FOOT	710		
81	INTERIOR COPPER PIPE	FOOT	2800		
TO BE CONTINUED BELOW					

82	TREE REMOVAL (6 TO 15 UNITS DIAMETER)	UNIT DIAMETER	15		
83	TREE REMOVAL (OVER 15 UNITS DIAMETER)	UNIT DIAMETER	36		

1.12 BID SECURITY

If required by the bid documents, a scanned copy of the bid bond must be included with the bid electronic submission. The City is currently not able to accept a certified check, bank cashier's check or electronic bid bond at this time.

A. The City of Evanston Civic Center is unable to receive in person drop-off and it is closed to the public. The original bid bond must be mailed within ten (10) days after the due date, to the City of Evanston Purchasing Department, 2100 Ridge Avenue - Room 4200 Evanston, Illinois 60201 Attention Purchasing Manager using the USPS (certified or priority), UPS or FedEx mail options in order to have a tracking number.

B. Accompanying this electronic submittal is a scanned copy of a bank draft, bid bond, Cashier's check or Certified check as surety in the amount of not less than five percent (5%) of the Total Bid payable to the City of Evanston.

The amount of the check or draft is: $_____

If this bid is accepted and the undersigned shall fail to execute a contract and contract bond as required it is hereby agreed that the amount of the check or draft or bidder's bond substituted in lieu thereof, shall become the property of the City and shall be considered as payment of damages due to delay and other causes suffered by the City because of the failure to execute said contract and contract bond; otherwise said check or draft shall be returned to the undersigned.

In the event that one check or draft is intended to cover two or more bids, the amount must be equal to the sum of the project proposal guarantees of the individual sections covered.

If the check or draft is placed on another project proposal, state below where it may be found, as follows: The check or draft will be found in the project proposal for: _____.

1.13 PERFORMANCE/PAYMENT BOND

The undersigned bidder agrees to provide Performance Bond and Payment Bond executed in accordance with Contract Performance Bond form furnished by and acceptable to the Owner written with _____

_____

in the amount of 100% of the Contract Sum (Total Base Bid and all accepted

alternatives and adjustments) the cost of which is included in the Bid.

Cost of bond for change order is _____ percent of change order cost.

1.14 LIQUIDATED DAMAGES

The undersigned Bidder understands and agrees to the provisions stated under "LIQUIDATED DAMAGES" in the General Conditions and shall be assessed at the specified daily rate for each calendar day or partial calendar day until completion as defined herein.

1.15 MATERIAL SUBSTITUTION SHEET

The following is a schedule of substitute materials I propose to furnish on this job, with the difference in price being added to or deducted from the Base Bid. The Base Bid is understood to include only those items which are definitely specified by trade names or otherwise.

I understand that if no price difference is indicated, then the selection of materials is optional with the Owner, and approval or rejection of the substitution below will be indicated prior to signing of Contracts.

PRODUCT NAME AND/OR MANUFACTURER	ADD	DEDUCT
_____	_____	_____
_____	_____	_____
_____	_____	_____

1.16 PROPOSAL SIGNATURE (REQUIRED)

A. SOLE PROPRIETOR

Signature of Bidder: _____

SUBSCRIBED AND SWORN to before me this _____ day of_____, 20__

_____

Notary Public

Commission Expires: _____

B. PARTNERSHIP

Signature of All Partners: _____

_____

Name (typed or printed)

_____

_____

Name (typed or printed)

SUBSCRIBED AND SWORN to before me this ____ day of _____, 20___

_____ Commission Expires: _____

Notary Public

C. CORPORATION

Signature of Authorized Official: _____

Title: _____

Name above (typed or printed): _____

(If other than the president, attach a certified copy of that section of corporate by-laws or other authorization by the Corporation which permits the person to execute the offer for the Corporation.)

(Corporate Seal)

Attest: _____

Secretary

SUBSCRIBED AND SWORN to before me this ____ day of _____, 20___

_____ Commission Expires: _____

Notary Public

1.17 DISCLOSURE

A. The undersigned duly sworn deposes and says on oath that the bidder has withheld no disclosures of ownership interest and the information provided herein to the best of its knowledge is current and said undersigned has not entered into any agreement with any other bidder or prospective bidder or with any other person, firm or corporation relating to the price named in said proposal or any other proposal, nor any agreement or arrangement under which any person, firm or corporation is to refrain from bidding, nor any agreement or arrangement for any act or omission in restraint of free competition among bidders and has not disclosed to any person, firm or corporation the terms of this bid or the price named herein.

Bidder: _____

Business Address: _____

_____

Telephone Number: _____

1.18 CONTACTS

A. In the event the Evanston City Council approves this bid response, list the name, address, telephone, and fax number of the person to be contacted:

Bidder: _____

Address: _____

_____

Telephone Number: _____

Fax Number: _____

1.19 REFERENCES

A. Provide three (3) references for which your firm has completed work of a similar scope in the past.

1. Name: _____

   Address: _____

   Contact Person: _____

   Phone: _____

   Contract Value: _____

   Contract Dates: _____

2. Name: _____

   Address: _____

   Contact Person: _____

   Phone: _____

   Contract Value: _____

   Contract Dates: _____

3. Name: _____

   Address: _____

   Contact Person: _____

   Phone: _____

   Contract Value: _____

   Contract Dates: _____

1.20 DAVIS-BACON WAGE ACT

BIDDER certifies that wages paid in connection with the PROJECT shall be paid at prevailing rates not less than those prevailing under the Davis-Bacon Wage Act. Bidder

further certifies that the provisions contained in the following clauses will be exercised in the performance of any contract resulting from this BID and are made a part of the CONTRACT DOCUMENTS thereto by their inclusion in the BID as follows:

(1) Minimum wages.

(i) All laborers and mechanics employed or working upon the site of the work, will be paid unconditionally and not less often than once a week, and without subsequent deduction or rebate on any account (except such payroll deductions as are permitted by regulations issued by the Secretary of Labor under the Copeland Act (29 CFR part 3)), the full amount of wages and bona fide fringe benefits (or cash equivalents thereof) due at time of payment computed at rates not less than those contained in the wage determination of the Secretary of Labor which is attached hereto and made a part hereof, regardless of any contractual relationship which may be alleged to exist between the contractor and such laborers and mechanics. Contributions made or costs reasonably anticipated for bona fide fringe benefits under section 1(b)(2) of the Davis Bacon Act on behalf of laborers or mechanics are considered wages paid to such laborers or mechanics, subject to the provisions of paragraph (a)(1)(iv) of this section; also, regular contributions made or costs incurred for more than a weekly period (but not less often than quarterly) under plans, funds, or programs which cover the particular weekly period, are deemed to be constructively made or incurred during such weekly period. Such laborers and mechanics shall be paid the appropriate wage rate and fringe benefits on the wage determination for the classification of work actually performed, without regard to skill, except as provided in §5.5(a)(4). Laborers or mechanics performing work in more than one classification may be compensated at the rate specified for each classification for the time actually worked therein: Provided, that the employer's payroll records accurately set forth the time spent in each classification in which work is performed. The wage determination (including any additional classification and wage rates conformed under paragraph (a)(1)(ii) of this section) and the Davis Bacon poster (WH-1321) shall be posted at all times by the contractor and its subcontractors at the site of the work in a prominent and accessible place where it can be easily seen by the workers. Sub recipients may obtain wage determinations from the U.S. Department of Labor's web site, http://beta.sam.gov/

(ii) (A) The sub-recipient, on behalf of USEPA, shall require that any class of laborers or mechanics, including helpers, which is not listed in the wage determination and which is to be employed under the contract shall be classified in conformance with the wage determination. The USEPA award official shall approve an additional classification and wage rate and fringe benefits therefore only when the following criteria have been met:

(1) The work to be performed by the classification requested is not performed by a classification in the wage determination; and

(2) The classification is utilized in the area by the construction industry; and

(3) The proposed wage rate, including any bona fide fringe benefits, bears a reasonable relationship to the wage rates contained in the wage determination.

(B) If the contractor and the laborers and mechanics to be employed in the classification (if known), or their representatives, and the sub-recipient agree on the classification and wage rate (including the amount designated for fringe benefits where appropriate), a report of the action taken shall be sent by the sub-recipient to IEPA. IEPA shall forward the report to the Administrator of the Wage and Hour Division, U.S. Department of Labor, Washington, DC 20210. The Administrator, or an authorized representative, will approve, modify, or disapprove every additional classification action within 30 days of receipt and so advise IEPA or will notify IEPA within the 30-day period that additional time is necessary.

(C) In the even the contractor, the laborers, or mechanics to be employed in the classification or their representatives, and the sub-recipient do not agree on the proposed classification and wage rate (including the amount designated for fringe benefits, where appropriate), IEPA shall refer the questions, including the views of all interested parties and the recommendation of the sub-recipient, to the Administrator for determination. The Administrator, or an authorized representative, will issue a determination within 30 days of receipt and so advise IEPA or will notify IEPA within the 30-day period that additional time is necessary.

(D) The wage rate (including fringe benefits where appropriate) determined pursuant to paragraphs (a)(1)(ii)(B) or (C) of this section, shall be paid to all workers performing work in the classification under this contract from the first day on which work is performed in the classification.

(iii) Whenever the minimum wage rate prescribed in the contract for a class of laborers or mechanics includes a fringe benefit which is not expressed as an hourly rate, the contractor shall either pay the benefit as stated in the wage determination or shall pay another bona fide fringe benefit or an hourly cash equivalent thereof.

(iv) If the contractor does not make payments to a trustee or other third person, the contractor may consider as part of the wages of any laborer or mechanic the amount of any costs reasonably anticipated in providing bona fide fringe benefits under a plan or program, Provided, that the Secretary of Labor has found, upon the written request of the contractor, that the applicable standards of the Davis Bacon Act have been met. The Secretary of Labor may require the contractor to set aside, in a separate account, assets for the meeting of obligations under the plan or program.

(2) Withholding. The sub-recipient shall upon its own action or upon written request of an authorized representative of the Department of Labor withhold or cause to be withheld from the contractor under this contract or any other Federal contract with the same prime contractor, or any other federally-assisted contract subject to Davis Bacon prevailing wage requirements, which is held by the same prime contractor, so much of the accrued payments or advances as may be considered necessary to pay laborers and mechanics, including apprentices, trainees, and helpers, employed by the contractor or any subcontractor the full amount of wages required by the contract. In the event of failure to pay any laborer or mechanic, including any apprentice, trainee, or helper, employed or working on the site of the work, all or part of the wages required by the contract, the sub-recipient may, after written notice to the contractor, sponsor, applicant, or owner, take such action as may be necessary to cause the suspension of any further payment, advance, or guarantee of funds until such violations have ceased.

(3) Payrolls and basic records.

(i) Payrolls and basic records relating thereto shall be maintained by the contractor during the course of the work and preserved for a period of three years thereafter for all laborers and mechanics working at the site of the work. Such records shall contain the name, address, and social security number of each such worker, his or her correct classification, hourly rates of wages paid (including rates of contributions or costs anticipated for bona fide fringe benefits or cash equivalents thereof of the types described in section 1(b)(2)(B) of the Davis Bacon Act), daily and weekly number of hours worked, deductions made and actual wages paid. Whenever the Secretary of Labor has found under 29 CFR 5.5(a)(1)(iv) that the wages of any laborer or mechanic include the amount of any costs reasonably anticipated in providing benefits under a plan or program described in section 1(b)(2)(B) of the Davis Bacon Act, the contractor shall maintain records which show that the commitment to provide such benefits is enforceable, that the plan or program is financially responsible, and that the plan or program has been communicated in writing to the laborers or mechanics affected, and records which show the costs anticipated or the actual cost incurred in providing such benefits. Contractors employing apprentices or trainees under approved programs shall maintain written evidence of the registration of apprenticeship programs and certification of trainee programs, the registration of the apprentices and trainees, and the ratios and wage rates prescribed in the applicable programs.

(ii) (A) The contractor shall submit weekly for each week in which any contract work is performed a copy of all payrolls to the sub-recipient. Such documentation shall be available upon request of IEPA or USEPA. The payrolls submitted shall set out accurately and completely all of the information required to be maintained under 29 CFR 5.5(a)(3)(i), except that full social security numbers and home addresses shall not be included on weekly transmittals. Instead the payrolls shall only need to include an individually identifying number for each employee (e.g., the last four digits of

the employee's social security number). The required weekly payroll information may be submitted in any form desired. Optional Form WH-347 is available for this purpose from the Wage and Hour Division Website, [https://www.dol.gov/whd/forms/index.htm]. The prime contractor is responsible for the submission of copies of payrolls by all subcontractors. Contractors and subcontractors shall maintain the full social security number and current address of each covered worker and shall provide them upon request to the sub-recipient, for transmission to the IEPA, USEPA, the contractor, or the Wage and Hour Division of the Department of Labor for purposes of an investigation or audit of compliance with prevailing wage requirements. It is not a violation of this section for a prime contractor to require a subcontractor to provide addresses and social security numbers to the prime contractor for its own records, without weekly submission to the sub-recipient.

(B) Each payroll submitted shall be accompanied by a "Statement of Compliance," signed by the contractor or subcontractor or his or her agent who pays or supervises the payment of the persons employed under the contract and shall certify the following:

(1) That the payroll for the payroll period contains the information required to be provided under §5.5 (a)(3)(ii) of Regulations, 29 CFR part 5, the appropriate information is being maintained under §5.5 (a)(3)(i) of Regulations, 29 CFR part 5, and that such information is correct and complete;

(2) That each laborer or mechanic (including each helper, apprentice, and trainee) employed on the contract during the payroll period has been paid the full weekly wages earned, without rebate, either directly or indirectly, and that no deductions have been made either directly or indirectly from the full wages earned, other than permissible deductions as set forth in Regulations, 29 CFR part 3;

(3) That each laborer or mechanic has been paid not less than the applicable wage rates and fringe benefits or cash equivalents for the classification of work performed, as specified in the applicable wage determination incorporated into the contract.

(C) The weekly submission of a properly executed certification set forth on the reverse side of Optional Form WH-347 shall satisfy the requirement for submission of the "Statement of Compliance" required by paragraph (a)(3)(ii)(B) of this section.

(D) The falsification of any of the above certifications may subject the contractor or subcontractor to civil or criminal prosecution under section 1001 of title 18 and section 231 of title 31 of the United States Code.

(iii) The contractor or subcontractor shall make the records required under paragraph (a)(3)(i) of this section available for inspection, copying, or

transcription by authorized representatives of IEPA, USEPA or the Department of Labor, and shall permit such representatives to interview employees during working hours on the job. If the contractor or subcontractor fails to submit the required records or to make them available, the Federal agency may, after written notice to the contractor, sponsor, applicant, or owner, take such action as may be necessary to cause the suspension of any further payment, advance, or guarantee of funds. Furthermore, failure to submit the required records upon request or to make such records available may be grounds for debarment action pursuant to 29 CFR 5.12.

(4) Apprentices and trainees

(i) Apprentices. Apprentices will be permitted to work at less than the predetermined rate for the work they performed when they are employed pursuant to and individually registered in a bona fide apprenticeship program registered with the U.S. Department of Labor, Employment and Training Administration, Office of Apprenticeship Training, Employer and Labor Services, or with a State Apprenticeship Agency recognized by the Office, or if a person is employed in his or her first 90 days of probationary employment as an apprentice in such apprenticeship program, who is not individually registered in the program, but who has been certified by the Office of Apprenticeship Training, Employer and Labor Services, or a State Apprenticeship Agency (where appropriate) to be eligible for probationary employment as an apprentice. The allowable ratio of apprentices to journeymen on the job site in any craft classification shall not be greater than the ratio permitted to the contractor as to the entire work force under the registered program. Any worker listed on a payroll at an apprentice wage rate, who is not registered or otherwise employed as stated above, shall be paid not less than the applicable wage rate on the wage determination for the classification of work actually performed. In addition, any apprentice performing work on the job site in excess of the ratio permitted under the registered program shall be paid no less than the applicable wage rate on the wage determination for the work actually performed. Where a contractor is performing construction on a project in a locality other than that in which its program is registered, the ratios and wage rates (expressed in percentages of the journeyman's hourly rate) specified in the contractor's or subcontractor's registered program shall be observed. Every apprentice must be paid at not less than the rate specified in the registered program for the apprentice's level of progress, expressed as a percentage of the journeymen hourly rate specified in the applicable wage determination. Apprentices shall be paid fringe benefits in accordance with the provisions of the apprenticeship program. If the apprenticeship program does not specify fringe benefits, apprentices must be paid the full amount of fringe benefits listed on the wage determination for the applicable classification. If the Administrator determines that a different practice prevails for the applicable apprentice classification, fringes shall be paid in accordance with that determination. In the event the Office of Apprenticeship Training, Employer and Labor Services, or a State

Apprenticeship Agency recognized by the Office, withdraws approval of an apprenticeship program, the contractor will no longer be permitted to utilize apprentices at less than the applicable predetermined rate for the work performed until an acceptable program is approved.

(ii) Trainees. Except as provided in 29 CFR 5.16, trainees will not be permitted to work at less than the predetermined rate for the work performed unless they are employed pursuant to and individually registered in a program which has received prior approval, evidenced by form certification by the U.S. Department of Labor, Employment and Training Administration. The ratio of trainees to journeymen on the job site shall not be greater than permitted under the plan approved by the Employment and Training Administration. Every trainee must be paid at not less than the rate specified in the approved program for the trainee's level of progress, expressed as a percentage of the journeyman hourly rate specified in the applicable wage determination. Trainees shall be paid fringe benefits in accordance with the provisions of the trainee program. If the trainee program does not mention fringe benefits, trainees shall be paid the full amount of fringe benefits listed on the wage determination unless the Administrator of the Wage and Hour Division determines that there is an apprenticeship program associated with the corresponding journeyman wage rate on the wage determination which provides for less than full fringe benefits for apprentices. Any employee listed on the payroll at a trainee rate who is not registered and participating in a training plan approved by the Employment and Training Administration shall be paid not less than the applicable wage rate on the wage determination for the classification of work actually performed. In addition, any trainee performing work on the job site in excess of the ratio permitted under the registered program shall be paid not less than the applicable wage rate on the wage determination for the work actually performed. In the event the Employment and Training Administration withdraws approval of a training program, the contractor will no longer be permitted to utilize trainees at less than the applicable predetermined rate for the work performed until an acceptable program is approved.

(iii) Equal employment opportunity. The utilization of apprentices, trainees and journeymen under this part shall be in conformity with the equal employment opportunity requirements of Executive Order 11246, as amended, and 29 CFR part 30.

(5) Compliance with Copeland Act requirements. The contractor shall comply with the requirements of 29 CFR part 3, which are incorporated by reference in this contract.

(6) Subcontracts. The contractor or subcontractor shall insert in any subcontracts the clauses contained in 29 CFR 5.5(a)(1) through (10) and such other clauses as the USEPA may by appropriate instruction require, and also a clause requiring the subcontractors to include these clauses in any lower tier subcontracts. The prime contractor shall be responsible for the compliance by any subcontractor or lower tier subcontractor with all the contract clauses in 29 CFR 5.5.

(7) Contract termination: debarment. A breach of the contract clauses in 29 CFR 5.5 may be grounds for termination of the contract, and for debarment as a contractor and a subcontractor as provided in 29 CFR 5.12.

(8) Compliance with Davis Bacon and Related Act requirements. All rulings and interpretations of the Davis Bacon and Related Acts contained in 29 CFR parts 1, 3, and 5 are herein incorporated by reference in this contract.

(9) Disputes concerning labor standards. Disputes arising out of the labor standards provisions of this contract shall not be subject to the general disputes clause of this contract. Such disputes shall be resolved in accordance with the procedures of the Department of Labor set forth in 29 CFR parts 5, 6, and 7. Disputes within the meaning of this clause include disputes between the contractor (or any of its subcontractors) and the contracting agency, the U.S. Department of Labor, or the employees or their representatives.

(10) Certification of eligibility.

(i) By entering into this contract, the contractor certifies that neither it (nor he or she) nor any person or firm who has an interest in the contractor's firm is a person or firm ineligible to be awarded Government contracts by virtue of section 3(a) of the Davis Bacon Act or 29 CFR 5.12(a)(1).

(ii) No part of this contract shall be subcontracted to any person or firm ineligible for award of a Government contract by virtue of section 3(a) of the Davis Bacon Act or 29 CFR 5.12(a)(1).

(i) The penalty for making false statements in prescribed in the U.S. Criminal Code, 18 U.S.C. 1001

Contract Provision for Contracts in Excess of $100,000 - clauses (1) through (4) shall be inserted in full in any contract in excess of $100,000 and subject to the overtime provisions of the Contract Work Hours and Safety Standards Act.

Contract Work Hours and Safety Standards Act

(1) Overtime requirements. No contractor or subcontractor contracting for any part of the contract work which may require or involve the employment of laborers or mechanics shall require or permit any such laborer or mechanic in any workweek in which he or she is employed on such work to work in excess of forty hours in such workweek unless such laborer or mechanics receives compensation at a rate not less than one and on-half times the basic rate of pay for all hours worked in excess of forty hours in such workweek.

(2) Violation; liability for unpaid wages; liquidated damages. In the event of any violation of the clause set forth in paragraph (b)(1) of this section the contractor and any subcontractor responsible therefor shall be liable for the unpaid wages. In addition, such contractor and subcontractor shall be liable to the United States (in the case of work done under contract for the District of Columbia or a territory, to such District or

to such territory), for liquidated damages. Such liquidated damages shall be computed with respect to each individual laborer or mechanics, including watchmen and guards, employed in violation of the clause set forth in paragraph (b)(1) of this section, in the sum of $25 (Twenty-five dollars) for each calendar day on which such individual was required or permitted to work in excess of the standard workweek of forty hours without payment of the overtime wages required by the clause set forth in paragraph (b)(1) of this section.

(3) Withholding for unpaid wages and liquidated damages. The sub-recipient, shall upon its own action or upon written request of the USEPA award official or an authorized representative of the Department of Labor, withhold or cause to be withheld, from any moneys payable on account of work performed by the contractor or subcontractor under any such contract or any other Federal contract with the same prime contractor, or any other federally-assisted contract subject to the Contract Work Hours and Safety Standards Act, which is held by the same prime contractor, such sums as may be determined to be necessary to satisfy any liabilities of such contractor or subcontractor for unpaid wages and liquidated damages as provided in the clause set forth in paragraph (b)(2) of this section.

(4) Subcontracts. The contractor or subcontractor shall insert in any subcontracts the clauses set forth in paragraph (b)(1) through (4) of this section and also a clause requiring the subcontractors to include these clauses in any lower tier subcontracts. The prime contractor shall be responsible for compliance by any subcontractor or lower tier subcontractor with the clauses set forth in paragraphs (b)(1) through (4) of this section.

The contractor or subcontractor shall maintain payrolls and basic payroll records during the course of the work and shall preserve them for a period of three years from the completion of the contract for all laborers and mechanics, including guards and watchmen, working on the contract. Such records shall contain the name and address of each such employee, social security number, correct classifications, hourly rates of wages paid, daily and weekly number of hours worked, deductions made, and actual wages paid. Further, the records to be maintained under this paragraph shall be made available by the contractor or subcontractor for inspection, copying, or transcription by authorized representatives of the USEPA and the Department of Labor, and the contractor or subcontractor will permit such representatives to interview employees during working hours on the job.

Davis-Bacon Wage Rates are attached below.

EXHIBIT B

SPECIFICATION FOR DISADVANTAGED BUSINESS ENTERPRISE PARTICIPATION
CITY OF EVANSTON

I. Disadvantaged Business Enterprise Policy

A. It is the policy of the State of Illinois to award a fair share of sub-agreements to disadvantaged businesses. In complying with this requirement, contractors are required to take affirmative steps to assure that disadvantaged businesses are used when possible as sources of supplies, equipment, construction, and services as explained herein.

B. These specifications define the terms, conditions, and requirements of the State Revolving Fund Loan Program, and the City of Evanston's policy and procedures for complying with these requirements.

C. As required by the award conditions of USEPA's Assistance Agreement with IEPA, the fair share percentages are 5% for MBEs and 12% for WBEs.

II. Pre-Contract Award Obligations

A. All bidders are required to advertise subcontracting opportunities and to negotiate with disadvantaged businesses prior to bid opening. Failure to document such affirmative efforts shall be deemed, relative to disadvantaged business compliance non-responsive.

B. To establish a bid as responsible, the Bidder will be required to document the proposed utilization of disadvantaged businesses with letters of intent signed by the bidder and by the disadvantaged business listed in the bid. The documentation requirements are outlined in Section III of this document.

C. The City of Evanston's disadvantaged business policy clearly intends for Bidders to contact and encourage the participation of disadvantaged businesses prior to bid opening. Affirmative efforts (the written record of conscientious and honest communications between the bidder and disadvantaged business) must be initiated and completed by the bidder prior to bid opening. All bidders must document compliance with the requirements of the disadvantaged business policy.

III. Evaluation of Disadvantaged Business Utilization and Affirmative Efforts

A. As a prerequisite to demonstrate compliance with the City of Evanston's disadvantaged business policy, ALL bidders shall provide the following with its bid:

1. Completed and signed certification from the bidder(s), attesting that the bidder will award no sub-agreements, including the procurement of equipment, materials, supplies and services, in the performance of this contract.

   OR

2. "Certification of publication," or adequate evidence of proof of publication,

including an actual copy of the newspaper advertisement from a daily newspaper. **The advertisement must run one day at least (16) days prior to bid opening**. An example advertisement follows this section.

Bidders may publish the advertisement in an established, online bidder's clearinghouse such as the "Dodge Report (http://construction.com/dodge/)". If an online advertisement is placed with the "Dodge Report" or an equivalent website, a screenshot of the advertisement along with the webpage address, and a payment receipt is required as documentation. **The advertisement must run one day at least (16) days prior to bid opening.**

3. List of all disadvantaged business enterprise (DBE) and non-DBE's that submitted proposals to the bidder along with the date of the proposal. Names, addresses, phone number and/or e-mail are required.

4. List of all disadvantaged businesses not being utilized and justification for non-utilization.

5. If DBE subcontractors will be utilized for the project, a completed and signed copy of IEPA DBE Form No. 3 (DBE Subcontractor Utilization Form) or an equivalent "Notice of Intent" is needed from each subcontractor.

6. If DBE subcontractors will be utilized for the project, a completed and signed certification from the bidder(s), attesting that the bidder has no controlling or dominating interest or conflict of interest with the disadvantaged business that will be utilized.

7. In instances where the bidder(s) does not receive any proposals from disadvantaged businesses prior to bid opening, the bidder(s) must provide a written certification attesting that no proposals were received.

Failure to submit the documentation pursuant to the requirements of A(1-7) above may cause rejection of the bid as non-responsive.

IV. Sanctions

A. The City of Evanston has the option to reject one or all bids when the information submitted by the bidder(s) fails to demonstrate compliance with the disadvantaged business requirements (i.e., the bidder fails to place third pre-bid advertisement in a daily newspaper, or approved website, at least sixteen (16) days prior to the bid opening).

B. Upon finding that any Party has not complied with the requirements of these specifications, including misrepresenting a firm as a disadvantaged business, any one or a combination of the following actions may be taken.
   1. Declare the bidder and/or subcontractor non-responsible and therefore ineligible for contract award.

   2. Disallow all contract costs associated with non-compliance.

3. Refer matters which may be fraudulent to the Illinois Attorney General.

V. Post-Contract Award Compliance

A. As required by the award conditions of USEPA's Assistance Agreement with IEPA, all sub-agreements of the prime contractor must identify that the fair share percentages are 5% for MBEs and 12 % for WBEs.

B. After award of the prime contract, copies of all disadvantaged business related sub-agreements between the prime contractor and subcontractors shall be submitted to the owner.

C. Subsequent to bid submission, any changes in previously reported disadvantaged businesses utilization shall be handled in accordance with 40 CFR Part 33.302(b-h). If the contractor fails to initiate such actions, the owner may withhold payments and/or institute other appropriate sanctions.

Suggested Disadvantaged Business (DBE)
Advertisement for Construction Contractors

Notice to Disadvantaged Businesses

_____, _____, _____, is
(Name of Company) (Address of Company) (Telephone)

seeking disadvantaged businesses for the _____
(Name of Loan Recipient)

Project for subcontracting opportunities in the following areas:

_____, _____, _____, _____.

All disadvantaged businesses should contact, IN WRITING, (certified letter, return receipt requested), _____, to discuss the subcontracting
(Company Contact Person)

opportunities. All negotiations must be completed prior to the bid opening date

_____.
(Date of Bid Opening)

*The advertisement must clearly state the method of evaluating the proposals or quotations, and the relative importance attached to each criterion. Bidders must uniformly and objectively evaluate the proposals submitted by disadvantaged buisnesses in response to the advertisement based upon the evaluation criteria stated in the advertisement. The evaluation criteria must not be restrictive or exclusionary.

Summary Report of Disadvantaged Business Enterprise Requirements for Contractors

1) Completed and signed certification from bidder(s), attesting that the bidder will award no sub-agreements, including the procurement of equipment, materials, supplies and services in the performance of this contract (may use IEPA DBE Form #1).

   OR

   "Certificate of publication, or adequate evidence of proof of publication, including an actual copy of the newspaper advertisement from a daily publication. For advertisements placed in a construction project clearinghouse such as www.construction.com, a screenshot of the advertisement, link to website, and receipt is required for proof of advertising.

2) List of all disadvantaged business enterprises (DBE) and non-DBE's that submitted proposals to the bidder/prime contractor. Specify as DBE or non-DBE, type of DBE and the other information listed below (DBE Form #4 may be used for this purpose).

   Name of Company
   Name of Owners
   Address of Company
   E-mail Address of Company
   Telephone Number
   Date of Proposal
   Type of Business
   Type of DBE
   Description of work to be performed

3) List of disadvantaged businesses that submitted proposals to the bidder but will not be utilized. Justification for non-utilization must be provided (may use IEPA DBE Form #1).

4) Completed and signed copies IEPA DBE Form #3 (Subcontractor Utilization Form) or equivalent "Notice of Intent". Only applies if using DBE subcontractors.

5) Completed and signed certification from bidder(s) attesting that the bidder has no dominating or conflict of interest with the disadvantaged business to be utilized (IEPA DBE Form #1). Only applies if using DBE subcontractors.

6) In instances where the bidder(s) does not receive any proposals from disadvantaged businesses prior to bid opening, the bidder(s) must provide a written certification attesting that no proposals were received (IEPA DBE Form #1).

7) DBE Form #2 is **not** included in this packet. It is for consultants/engineers to report DBE activity. This form may be found in IEPA's DBE Guidance Manual which is available on the Agency's website or mailed upon request by calling 217-782-2027.

IEPA Disadvantaged Business Enterprise (DBE) Program Form #1
Contractor Certification Form

(To be completed by all Prime Contractors)

Please check the appropriate boxes that apply and complete the information on the bottom of the form.

☐ This firm will award no subcontracts (including in the procurement of equipment, supplies, or services), in the performance of this contract.

☐ This firm advertised for DBE subcontractors according to the good faith efforts outlined in the IEPA DBE Guidance Document.

☐ This firm received proposals from DBE(s) that will not be utilized. A list of the DBEs not hired, along with their address, phone number, and reason(s) for non-utilization, is below.

☐ This firm did not receive any inquiries from DBEs.

I certify that the above is true. I further certify that this firm and its partners, directors, and officers do not possess a controlling interest in ownership or conflict of interest or any other authority to control the DBE to be used during the performance of the contracts.

By: _____
NAME: _____
TITLE: _____
Company: _____

Date: ___/ ___ / _____

EPA Disadvantaged Business Enterprise (DBE) Program Form #3
Subcontractor Utilization Form

(Only complete this form if DBE subcontractors or sub-consultants will be working on a project)

This form is intended to capture the DBE subcontractor's description of work to be performed and the price of the work submitted to the prime contractor. All subcontractors must complete this form, and it must be included in the prime contractor's bid package.

Subcontractor Name	Project Name
Contact Person's Name & Title	
Address	
Telephone	Email
DBE Certified By:	Select One: **MBE WBE SBE DBE**
Prime Contractor Name	

Type of Work to be Performed	Cost Estimate of Work

I certify under penalty of perjury that the forgoing statements are true and correct. Signing this form does not signify a commitment to using the subcontractors above. I am aware that in the event of a replacement of a subcontractor, I will adhere to the replacement requirements set forth in 40 C.F.R. Part 33 Section 33.302(c).

Prime Contractor Signature:	**Print Name:**
Date:	**Title:**
Subcontractor Signature:	**Print Name:**
Date:	**Title:**

IEPA Disadvantaged Business Enterprise (DBE) Program Form #4, Bidders List

(Only complete this form if subcontractors or sub-consultants will be working on a project)

Using this form/format is optional. Other formats are acceptable.

Company Name & Contact Person	Address	Phone No. w/ area code	Email	Proposed Work (supplies, paint, paint etc.)	DBE Status (MBE, WBE, DBE, SBE)
					Check if Hired ☐
					Check if Hired ☐
					Check if Hired ☐
					Check if Hired ☐

n:\bow\grants\ifas document room\dbe guidance 2017_draft.docx

EXHIBIT C

NOTICE OF REQUIREMENT FOR AFFIRMATIVE ACTION TO ENSURE EQUAL EMPLOYMENT OPPORTUNITY
(EXECUTIVE ORDER 11246)

1. The Offeror's or Bidder's attention is called to the "Equal Opportunity Clause" and the "Standard Federal Equal Employment Opportunity Construction Contract Specifications" set forth herein.

2. The goals and timetables for minority and female participation, expressed in percentage terms for the Contractor's aggregate workforce in each trade on all construction work in the covered area, are as follows:

Timetables	Goals for minority participation for each trade	Goals for female participation in each trade
	5%	12%

These goals are applicable to all of the Contractor's construction work (whether or not it is Federal or federally assisted) performed in the covered area.

The Contractor's compliance with the Executive Order and the regulations in 41 CFR Part 60-4 shall be based on its implementation of the Equal Opportunity Clause, specific affirmative action obligations required by the specifications set forth in 41 CFR 60-4.3(a), and its efforts to meet the goals established for the geographical area where the contract resulting from this solicitation is to be performed. The hours of minority and female employment and training must be substantially uniform throughout the length of the contract, and in each trade, and the contractor shall make a good faith effort to employ minorities and women evenly on each of its projects. The transfer of minority or female employees or trainees from Contractor to Contractor or from project to project for the sole purpose of meeting the Contractor's goals shall be a violation of the contract, the Executive Order and the regulations in 41 CFR 60-4. Compliance with the goals will be measured against the total work hours performed.

3. The Contractor shall provide written notification to the Director of the Office of Federal Contract Compliance Programs within 10 working days of award of any construction subcontract in excess of $10,000 at any tier for construction work under the contract resulting from this solicitation. The notification shall list the name, address and telephone number of the subcontractor; employer identification number; estimated dollar amount of the subcontract; estimated starting and completion dates of the subcontract; and the geographical area in which the contract is to be performed.

4. As used in this Notice, and in the contract resulting from this solicitation, the "covered area" is the City of Evanston, Cook County, Illinois.

41 CFR 60

60-4.1 Scope and Application.
This part applies to all contractors and subcontractors that hold any Federal or federally assisted construction contract in excess of $10,000. The regulations in this part are applicable to all of a construction contractor's or subcontractor's construction employees who are engaged in on site construction including those construction employees who work on a non-Federal or non-federally assisted construction site. This part also establishes procedures, which all Federal contracting officers and all applicants, as applicable, shall follow in soliciting for and awarding Federal or federally assisted construction contracts. Procedures also are established which administering agencies shall follow in making any grant, contract, loan, insurance, or guarantee involving federally assisted construction which is not exempt from the requirements of Executive Order 11246, as amended. In addition, this part applies to construction work performed by construction contractors and subcontractors for Federal non-construction contractors and subcontractors if the construction work is necessary in whole or in part to the performance of a non-construction contract or subcontract.
[43 FR 49254, OCT. 20, 1978; 43 FR 51404, NOV. 3, 1978]

60-4.2 Solicitations.
(a) All Federal contracting officers and all applicants shall include the notice set forth in paragraph (d) of this section and the Standard Federal Equal Employment Opportunity Construction Contract Specifications set forth in § 60-4.3 of this part in all solicitations for offers and bids on all Federal and federally assisted construction contracts or subcontracts to be performed in geographical areas designated by the Director pursuant to § 60-4.6 of the part. Administering agencies shall require the inclusion of the notice set forth in paragraph (d) of this section and the specifications set forth in § 60-4.3 of this part as a condition of any grant, contract, subcontract, loan, insurance or guarantee involving federally assisted construction covered by this Part 60-4.
(b) All non-construction contractors covered by Executive Order 11246 and the implementing regulations shall include the notice in paragraph (d) of this section in all construction agreements, which are necessary in whole or in part to the performance of the covered non-construction contract.
(c) Contracting officers, applicants and non-construction contractors shall given written notice to the Director within 10 working days of award of a contract subject to these provisions. The notification shall include the name, address and telephone number of the contractor; employer identification number; dollar amount of the contract, estimated starting and completion dates of the contract; the contract number; and geographical area in which the contract is to be performed.

(d) The following notice shall be included in, and shall be a part of, all solicitations for offers and bids on all Federal and federally assisted construction contracts or subcontracts in excess of $10,000 to be performed in geographical areas designated by the Director pursuant to § 60-4.6 of this part (see 41 CFR 60-4.2(a)):

Notice of Requirement for Affirmative Action To Ensure Equal Employment Opportunity (Executive Order 11246)

1. The Offeror or Bidder's attention is called to the "Equal Opportunity Clause" and the "Standard Federal Equal Employment Specifications" set forth herein.

2. The goals and timetables for minority and female participation, expressed in percentage terms for the Contractor's aggregate workforce in each trade on all construction work in the covered area, are as follows:

Time-tables	Goals for minority participation for each trade	Goals for female participation in each trade
	5%	12%

These goals are applicable to all the Contractor's construction work (whether or not it is Federal or federally assisted) performed in the covered area. If the contractor performs construction work in a geographical area located outside of the covered area, it shall apply the goals established for such geographical area where the work is actually performed. With regard to this second area, the contractor also is subject to the goals for both its federally involved and non-federally involved construction.

The Contractor's compliance with the Executive Order and the regulations in 41 CFR Part 60-4 shall be based on its implementation of the Equal Opportunity Clause, specific affirmative action obligations required by the specifications set forth in 41 CFR 60-4.3(a), and its efforts to meet the goals. The hours of minority and female employment and training must be substantially uniform throughout the length of the contract, and in each trade, and the contractor shall make a good faith effort to employ minorities and women evenly on each of its projects. The transfer of minority or female employees or trainees from Contractor to Contractor or from project to project for the sole purpose of meeting the Contractor's goals shall be a violation of the contract, the Executive Order and the regulations in 41 CFR Part 60-4. Compliance with the goals will be measured against the total work hours performed.

3. The Contractor shall provide written notification to the Director of the Office of Federal Contract Compliance Programs within 10 working days of award of any construction subcontract in excess of $10,000 at any tier for construction work under the contract resulting from this solicitation. The notification shall list the name, address and telephone number of the subcontractor; employer identification number of the subcontractor; estimated dollar amount of the subcontract; estimated starting and completion dates of the subcontract; and the geographical area in which the subcontract is to be performed.

4. As used in this Notice, and in the contract resulting from this solicitation, the "covered area" is (insert description of the geographical areas where the contract is to be performed giving the state, county and city, if any).
[43 FR 49254, OCT. 20, 1978; 43 FR 51401, NOV. 3, 1978, AS AMENDED AT 45 FR 65977, OCT. 3, 1980]

60-4.3 Equal Opportunity Clauses.
(a) The equal opportunity clause published at 41 CFR 60-1.4(a) of this chapter is required to be included in, and is part of, all nonexempt Federal contracts and subcontracts, including construction contracts and subcontracts. The equal opportunity clause published at 41 CFR 60-1.4(b) is required to be included in, and is a part of, all nonexempt federally assisted construction contracts and subcontracts. In addition to the clauses described above, all Federal contracting officers, all applicants and all non-construction contractors, as applicable, shall include the specifications set forth in this section in all Federal and federally assisted construction contracts in excess of $10,000 to be performed in geographical areas designated by the Director pursuant to § 60-4.6 of this part and in construction subcontracts in excess of $10,000 necessary in whole or in part to the performance of non-construction Federal contracts and subcontracts covered under the Executive order.

Standard Federal Equal Employment Opportunity Construction Contract Specifications (Executive Order 11246)

1. As used in these specifications:
a. "Covered area," means the geographical area described in the solicitation from which this contract resulted:
b. "Director" means Director, Office of Federal Contract Compliance Programs, United States Department of Labor, or any person to whom the Director delegates authority;
c. "Employer identification number" means the Federal Social Security number used on the Employer's Quarterly Federal Tax Return, U.S. Treasury Department Form 941.
d. "Minority" includes:
(i) Black (all persons having origins in any of the Black African racial groups not of Hispanic origin);
(ii) Hispanic (all persons of Mexican, Puerto Rican, Cuban, Central or South American or other Spanish Culture or origin, regardless of race);
(iii) Asian and Pacific Islander (all persons having origins in any of the original peoples of the Far East, Southeast Asia, the Indian Subcontinent, or the Pacific Islands); and
(iv) American Indian or Alaskan Native (all persons having origins in any of the original peoples of North America and maintaining identifiable tribal affiliations through membership and participation or community identification).

2. Whenever the Contractor, or any Subcontractor at any tier, subcontracts a portion of the work involving any construction trade, it shall physically include in each subcontract

in excess of $10,000 the provisions of these specifications and the Notice which contains the applicable goals for minority and female participation and which is set forth in the solicitations from which this contract resulted.

3. If the Contractor is participating (pursuant to 41 CFR 60-4.5) in a Hometown Plan approved by the U.S. Department of Labor in the covered area either individually or through an association, its affirmative action obligations on all work in the Plan area (including goals and timetables) shall be in accordance with that Plan for those trades which have unions participating in the Plan. Contractors must be able to demonstrate their participation in and compliance with the provisions of any such Hometown Plan. Each Contractor or Subcontractor participating in an approved Plan is individually required to comply with its obligations under the EEO clause, and to make a good faith effort to achieve each goal under the Plan in each trade in which it has employees. The overall good faith performance by other Contractors or Subcontractors toward a goal in an approved Plan does not excuse any covered Contractor or Subcontractor's failure to take good faith efforts to achieve the Plan goals and timetables.

4. The Contractor shall implement the specific affirmative action standards provided in paragraphs 7 a through p of these specifications. The goals set forth in the solicitation from which this contract resulted are expressed as percentages of the total hours of employment and training of minority and female utilization the Contractor should reasonably be able to achieve in each construction trade in which it has employees in the covered area. Covered Construction contractors performing construction work in geographical areas where they do not have a Federal or federally assisted construction contract shall apply the minority and female goals established for the geographical area where the work is being performed. Goals are published periodically in the Federal Register in notice form, and such notices may be obtained from any Office of Federal Contract Compliance Programs office or from Federal procurement contracting officers. The Contractor is expected to make substantially uniform progress in meeting its goals in each craft during the period specified.

5. Neither the provisions of any collective bargaining agreement, nor the failure by a union with whom the Contractor has a collective bargaining agreement, to refer either minorities or women shall excuse the Contractor's obligations under these specifications, Executive Order 11246, nor the regulations promulgated pursuant thereto.

6. In order for the nonworking training hours of apprentices and trainees to be counted in meeting the goals, the Contractor must employ such apprentices and trainees during the training period, and the Contractor must have made a commitment to employ the apprentices and trainees at the completion of their training, subject to the availability of employment opportunities. Trainees must be trained pursuant to training programs approved by the U.S. Department of Labor.

7. The Contractor shall take specific affirmative action to ensure equal employment opportunity. The evaluation of the Contractor's compliance with these specifications shall be based upon its effort to achieve maximum results from its actions. The Contractor shall document these efforts fully, and shall implement affirmative action steps at least as extensive as the following:

a. Ensure and maintain a working environment free of harassment, intimidation, and coercion at all sites, and in all facilities at which the Contractor's employees are assigned to work. The Contractor, where possible, will assign two or more women to each construction project. The Contractor shall specifically ensure that all foremen, superintendents, and other on-site supervisory personnel are aware of and carry out the Contractor's obligation to maintain such a working environment, with specific attention to minority or female individuals working at such sites or in such facilities.

b. Establish and maintain a current list of minority and female recruitment sources, provide written notification to minority and female recruitment sources and to community organizations when the Contractor or its unions have employment opportunities available, and maintain a record of the organizations' responses.

c. Maintain a current file of the names, addresses and telephone numbers of each minority and female off-the-street applicant and minority or female referral from a union, a recruitment source or community organization and of what action was taken with respect to each such individual. If such individual was sent to the union hiring hall for referral and was not referred back to the Contractor by the union or, if referred, not employed by the Contractor, this shall be documented in the file with the reason therefore; along with whatever additional actions the Contractor may have taken.

d. Provide immediate written notification to the Director when the union or unions with which the Contractor has a collective bargaining agreement has not referred to the Contractor a minority person or woman sent by the Contractor, or when the Contractor has other information that the union referral process has impeded the Contractor's efforts to meet its obligations.

e. Develop on-the-job training opportunities and/or participate in training programs for the area which expressly include minorities and women, including upgrading programs and apprenticeship and trainee programs relevant to the Contractor's employment needs, especially those programs funded or approved by the Department of Labor. The Contractor shall provide notice of these programs to the sources compiled under 7b above.

f. Disseminate the Contractor's EEO policy by providing notice of the policy to unions and training programs and requesting their cooperation in assisting the Contractor in meeting its EEO obligations; by including it in any policy manual and collective bargaining agreement; by publicizing it in the company newspaper, annual report, etc.; by specific review of the policy with all management personnel and with all minority and female employees at least once a year; and by posting the company EEO policy on bulletin boards accessible to all employees at each location where construction work is performed.

g. Review, at least annually, the company's EEO policy and affirmative action obligations under these specifications with all employees having any responsibility for hiring,

assignment, layoff, termination or other employment decisions including specific review of these items with onsite supervisory personnel such as Superintendents, General Foremen, etc., prior to the initiation of construction work at any job site. A written record shall be made and maintained identifying the time and place of these meetings, persons attending, subject matter discussed, and disposition of the subject matter.

h. Disseminate the Contractor's EEO policy externally by including it in any advertising in the news media, specifically including minority and female news media, and providing written notification to and discussing the Contractor's EEO policy with other Contractors and Subcontractors with whom the Contractor does or anticipates doing business.

i. Direct its recruitment efforts, both oral and written, to minority, female and community organizations, to schools with minority and female students and to minority and female recruitment and training organizations serving the Contractor's recruitment area and employment needs. Not later than one month prior to the date for the acceptance of applications for apprenticeship or other training by any recruitment source, the Contractor shall send written notification to organizations such as the above, describing the openings, screening procedures, and tests to be used in the selection process.

j. Encourage present minority and female employees to recruit other minority persons and women and, where reasonable, provide after school, summer and vacation employment to minority and female youth both on the site and in other areas of a Contractor's work force.

k. Validate all tests and other selection requirements where there is an obligation to do so under 41 CFR Part 60-3.

l. Conduct, at least annually, an inventory and evaluation at least of all minority and female personnel for promotional opportunities and encourage these employees to seek or to prepare for, through appropriate training, etc., such opportunities.

m. Ensure that seniority practices, job classifications, work assignments and other personnel practices, do not have a discriminatory effect by continually monitoring all personnel and employment related activities to ensure that the EEO policy and the Contractor's obligations under these specifications are being carried out.

n. Ensure that all facilities and company activities are non-segregated except that separate or single-user toilet and necessary changing facilities shall be provided to assure privacy between the sexes.

o. Document and maintain a record of all solicitations of offers for subcontracts from minority and female construction contractors and suppliers, including circulation of solicitations to minority and female contractor associations and other business associations.

p. Conduct a review, at least annually, of all supervisors' adherence to and performance under the Contractor's EEO policies and affirmative action obligations.

8. Contractors are encouraged to participate in voluntary associations, which assist in fulfilling one or more of their affirmative action obligations (7a through p). The efforts of a contractor association, joint contractor-union, contractor-community, or other similar group of which the contractor is a member and participant, may be asserted as fulfilling any one or more of its obligations under 7a through p of these Specifications provided

that the contractor actively participates in the group, makes every effort to assure that the group has a positive impact on the employment of minorities and women in the industry, ensures that the concrete benefits of the program are reflected in the Contractor's minority and female workforce participation, makes a good faith effort to meet its individual goals and timetables, and can provide access to documentation which demonstrates the effectiveness of actions taken on behalf of the Contractor. The obligation to comply, however, is the Contractor's and failure of such a group to fulfill an obligation shall not be a defense for the Contractor's noncompliance.

9. A single goal for minorities and a separate single goal for women have been established. The Contractor, however, is required to provide equal employment opportunity and to take affirmative action for all minority groups, both male and female, and all women, both minority and non-minority. Consequently, the Contractor may be in violation of the Executive Order if a particular group is employed in a substantially disparate manner (for example, even though the Contractor has achieved its goals for women generally, the Contractor may be in violation of the Executive Order if a specific minority group of women is underutilized).

10. The Contractor shall not use the goals and timetables or affirmative action standards to discriminate against any person because of race, color, religion, sex, or national origin.

11. The Contractor shall not enter into any Subcontract with any person or firm debarred from Government contracts pursuant to Executive Order 11246.

12. The Contractor shall carry out such sanctions and penalties for violation of these specifications and of the Equal Opportunity Clause, including suspension, termination and cancellation of existing subcontracts as may be imposed or ordered pursuant to Executive Order 11246, as amended, and its implementing regulations, by the Office of Federal Contract Compliance Programs. Any Contractor who fails to carry out such sanctions and penalties shall be in violation of these specifications and Executive Order 11246, as amended.

13. The Contractor, in fulfilling its obligations under these specifications, shall implement specific affirmative action steps, at least as extensive as those standards prescribed in paragraph 7 of these specifications, so as to achieve maximum results from its efforts to ensure equal employment opportunity. If the Contractor fails to comply with the requirements of the Executive Order, the implementing regulations, or these specifications, the Director shall proceed in accordance with 41 CFR 60-4.8.

14. The Contractor shall designate a responsible official to monitor all employment related activity to ensure that the company EEO policy is being carried out, to submit reports relating to the provisions hereof as may be required by the Government and to keep records. Records shall at least include for each employee the name, address, telephone numbers, construction trade, union affiliation if any, employee identification number when

assigned, social security number, race, sex, status (e.g., mechanic, apprentice trainee, helper, or laborer), dates of changes in status, hours worked per week in the indicated trade, rate of pay, and locations at which the work was performed. Records shall be maintained in an easily understandable and retrievable form; however, to the degree that existing records satisfy this requirement, contractors shall not be required to maintain separate records.

15. Nothing herein provided shall be construed as a limitation upon the application of other laws, which establish different standards of compliance or upon the application of requirements for the hiring of local or other area residents (e.g., those under the Public Works Employment Act of 1977 and the Community Development Block Grant Program).
(b) The notice set forth in 41 CFR 60-4.2 and the specifications set forth in 41 CFR 60-4.3 replace the New Form for Federal Equal Employment Opportunity Bid Conditions for Federal and Federally Assisted Construction published at 41 FR 32482 and commonly known as the Model Federal EEO Bid Conditions, and the New Form shall not be used after the regulations in 41 CFR Part 60-4 become effective.
[43 FR 49254, OCT. 20, 1978; 43 FR 51401, NOV. 3, 1978, AS AMENDED AT 45 FR 65978, OCT. 3, 1980]

60-4.4 Affirmative Action Requirements.

(a) To implement the affirmative action requirements of Executive Order 11246 in the construction industry, the Office of Federal Contract Compliance Programs previously has approved affirmative action programs commonly referred to as "Hometown Plans," has promulgated affirmative action plans referred to as "Imposed Plans" and has approved "Special Bid Conditions" for high impact projects constructed in areas not covered by a Hometown or an Imposed Plan. All solicitations for construction contracts made after the effective date of the regulations in this part shall include the notice specified in § 60-4.2 of this part and the specifications in § 60-4.3 of this part in lieu of the Hometown and Imposed Plans including the Philadelphia Plan and Special Bid Conditions. Until the Director has issued an order pursuant to § 60-4.6 of this part establishing goals and timetables for minorities in the appropriate geographical areas or for a project covered by Special Bid Conditions, the goals and timetables for minorities to be inserted in the Notice required by 41 CFR 60-4.2 shall be the goals and timetables contained in the Hometown Plan, Imposed Plan or Special Bid Conditions presently covering the respective geographical area or project involved.

(b) Signatories to a Hometown Plan (including heavy highway affirmative action plans) shall have 45 days from the effective date of the regulations in this part to submit under such a Plan (for the director's approval) goals and timetables for women and to include female representation on the Hometown Plan Administrative Committee. Such goals for female representation shall be at least as high as the goals established for female representation in the notice issued pursuant to 41 CFR 60-4.6. Failure of the signatories, within the 45-day period, to include female representation and to submit goals for women

or a new plan, as appropriate, shall result in an automatic termination of the Office of Federal Contract Compliance Program's approval of the Hometown Plan. At any time the Office of Federal Contract Compliance Programs terminates or withdraws its approval of a Hometown Plan, or when the plan expires and another plan is not approved, the contractors signatory to the plan shall be covered automatically by the specifications set forth in § 60-4.3 of this part and by the goals and timetables established for that geographical area pursuant to § 60-4.6 of this part.

60-4.5 Hometown Plans

(a) A contractor participating, either individually or through an association, in an approved Hometown Plan (including heavy highway affirmative action plans) shall comply with its affirmative action obligations under Executive Order 11246 by complying with its obligations under the plan: *Provided,* That each contractor or subcontractor participating in an approved plan is individually required to comply with the equal opportunity clause set forth in 41 CFR 60-1.4; to make a good faith effort to achieve the goals for each trade participating in the plan in which it has employees; and that the overall good performance by other contractors or subcontractors toward a goal in an approved plan does not excuse any covered contractor's or subcontractor's failure to take good faith efforts to achieve the plan's goals and timetables. If a contractor is not participating in an approved Hometown Plan it shall comply with the specifications set forth in § 60-4.3 of this part and with the goals and timetables for the appropriate area as listed in the notice required by 41 CFR 60-4.2 with regard to that trade. For the purposes of this part 60-4, a contractor is not participating in a Hometown Plan for a particular trade if it:
(1) Ceases to be signatory to a Hometown Plan covering that trade;
(2) Is signatory to a Hometown Plan for that trade but is not party to a collective bargaining agreement for that trade;
(3) Is signatory to a Hometown Plan for that trade but is party to a collective bargaining agreement with labor organizations, which are not or cease to be signatories to the same Hometown Plan for that trade;
(4) Is signatory to a Hometown Plan for that trade but is party to a collective bargaining agreement with a labor organization for that trade but the two have not jointly executed a specific commitment to minority and female goals and timetables and incorporated the commitment in the Hometown Plan for that trade;
(5) Is participating in a Hometown Plan for that trade which is no longer acceptable to the Office of Federal Contract Compliance Programs;
(6) Is signatory to a Hometown Plan for that trade but is party to a collective bargaining agreement with a labor organization for that trade and the labor organization and the contractor have failed to make a good faith effort to comply with their obligations under the Hometown Plan for that trade.

(b) Contractors participating in Hometown Plans must be able to demonstrate their participation and document their compliance with the provision of the Hometown Plan.
[43 FR 49254, OCT. 20, 1978; 43 FR 51401, NOV. 3, 1978]

60-4.6 Goals and Timetables.
The Director, from time to time, shall issue goals and timetables for minority and female utilization, which shall be based on appropriate workforce, demographic, or other relevant data and which shall cover construction projects or construction contracts performed in specific geographical areas. The goals, which shall be applicable to each construction trade in a covered contractor's or subcontractor's entire workforce which is working in the area covered by the goals and timetables, shall be published as notices in the Federal Register, and shall be inserted by the contracting officers and applicants, as applicable, in the Notice required by 41 CFR 60-4.2. Covered construction contractors performing construction work in geographical areas where they do not have a Federal or federally assisted construction contract shall apply the minority and female goals established for the geographical area where the work is being performed.
[45 FR 65978, OCT. 3, 1980]

60-4.7 Effect on Other Regulations.
The regulations in this part are in addition to the regulations contained in this chapter, which apply to construction contractors and subcontractors generally. See particularly, 41 CFR 60-1.4 (a), (b), (c), (d), and (e); 60-1.5; 60-1.7; 60-1.8; 60-1.26; 60-1.29; 60-1.30; 60-1.32; 60-1.41; 60-1.42; 60-1.43; and 41 CFR Part 60-3; Part 60-20; Part 60-30; Part 60-40; and Part 60-50.

60-4.8 Show Cause Notice.
If an investigation or compliance review reveals that a construction contractor or subcontractor has violated the Executive order, any contract clause, specifications or the regulations in this chapter and if administrative enforcement is contemplated, the Director shall issue to the contractor or subcontractor a notice to show cause which shall contain the items specified in paragraphs (i) through (iv) of 41 CFR 60-2.2(c)(1). If the contractor does not show good cause within 30 days, or in the alternative, fails to enter an acceptable conciliation agreement which includes where appropriate, make up goals and timetables, back pay, and seniority relief for affected class members, the OFCCP shall follow the procedure in 41 CFR 60-1.26(b): *Provided,* That where a conciliation agreement has been violated, no show cause notice is required prior to the initiation of enforcement proceedings.
[43 FR 49254, OCT. 20, 1978; 43 FR 51401, NOV. 3, 1978]

60-4.9 Incorporation by Operation of the Order.
By operation of the order, the equal opportunity clause contained in § 60-1.4, the Notice of Requirement for Affirmative Action to Ensure Equal Employment Opportunity (Executive Order 11246) contained in § 60-4.2, and the Standard Federal Equal Employment Opportunity Construction Contract Specifications (Executive Order 11246) contained in § 60-4.3 shall be deemed to be a part of every solicitation or of every contract and subcontract, as appropriate, required by the order and the regulations in this chapter

to include such clauses whether or not they are physically incorporated in such solicitation or contract and whether or not the contract is written.

EXHIBIT D

EMPLOYMENT OF ILLINOIS WORKERS ON PUBLIC WORKS ACT

This law comes into effect following two consecutive months of a state unemployment rate above 5 percent. More information about the Employment of Illinois Workers on Public Works Act can be found here: http://www.ilga.gov/legislation/ilcs/ilcs3.asp?ActID=549&ChapterID=7.

The Employment of IL Workers on Public Works Act requires the workforce on all public works projects to be comprised of a minimum of 90% Illinois residents.

The Illinois Department of Labor (IDOL) administers the Employment of Illinois Workers on Public Works Act, which was enacted to alleviate unemployment in Illinois by ensuring that most workers on public works projects live in the state. The requirement applies to all labor on public works projects or improvements. That includes public works projects that are funded in whole or in part with state funds or funds administered by the state of Illinois. Any public works project financed in whole or in part by federal funds administered by the state of Illinois is covered under the provisions of this act.

By signing below, the Contractor confirms awareness of this requirement.

_____

(Typed Name & Title of Authorized Representative)

_____

(Signature of Authorized Representative)
(Date)

_____

(Company/Organization)

EXHIBIT E

Construction Contractors' Assistance Organizations ("Assist Agencies") Form

AGENCY	DATE CONTACTED	CONTACT PERSON	RESULT OF CONVERSATION
Association of Asian Construction Enterprises (AACE) 5500 Touhy Ave., Unit K Skokie, IL. 60077 Phone: 847-5259693 Perry Nakachii, President			
Black Contractors United (BCU) 400 W. 76th Street Chicago, IL 60620 Phone: 773-483-4000; Fax: 773-483-4150 Email: bcunewera@ameritech.net			
Chicago Minority Business Development Council 105 West Adams Street Chicago, Illinois 60603 Phone: 312-755-8880; Fax: 312-755-8890 Email: info@chicagomsdc.org Shelia Hill, President			
Evanston Minority Business Consortium, Inc. P.O. Box 5683 Evanston, Illinois 60204 Phone: 847-492-0177 Email: embcinc@aol.com			
Federation of Women Contractors 5650 S. Archer Avenue Chicago, Illinois 60638 Phone: 312-360-1122; Fax: 312-360-0239 Email: FWCChicago@aol.com Contact Person: Beth Doria Maureen Jung, President			
Hispanic American Construction Industry (HACIA) 901 W. Jackson, Suite 205 Chicago, IL 60607 Phone: 312-666-5910; Fax: 312-666-5692 Email: info@haciaworks.org			
Women's Business Development Ctr. 8 S. Michigan Ave, Suite 400 Chicago, Illinois 60603 Phone: 312-853-3477 X220; Fax: 312-853-0145 Email: wbdc@wbdc.org Carol Dougal, Director			

PLEASE NOTE: Use of Construction Contractor's Assistance Organization (Assist Agencies") Form and agencies are for use as a resource only. The agencies and or vendors listed are not referrals or recommendations by the City of Evanston.

EXHIBIT F

U.S. ENVIRONMENTAL PROTECTION AGENCY
CERTIFICATION OF NONSEGREGATED FACILITIES

(Applicable to federally assisted construction contracts and related subcontracts exceeding $10,000 which are not exempt from the Equal Opportunity clause.)

The federally assisted construction contractor certifies that he does not maintain or provide for his employees any segregated facilities at any of his establishments, and that he does not permit his employees to perform their services at any location, under his control, where segregated facilities are maintained. The federally assisted construction contractor certifies further that he will not maintain or provide for his employees any segregated facilities at any of his establishments, and that he will not permit his employees to perform their services at any location, under his control, where segregated facilities are maintained. The federally assisted construction contractor agrees that a breach of this certification is a violation of the Equal Opportunity clause in this contract. As used in this certification, the term "segregated facilities" means any waiting rooms, work areas, rest rooms and other storage or dressing areas, parking lots, drinking fountains, recreation or entertainment areas, transportation, and housing facilities provided for employees which are segregated by explicit directive or are in fact segregated on the basis of race, creed, color, or national origin, because of habit, local custom or otherwise. The federally assisted construction contractor agrees that (except where he has obtained identical certifications from proposed subcontractors for specific time periods) he will obtain identical certifications from proposed subcontractors prior to the award of subcontracts exceeding $10,000 which are not exempt from the provisions of the Equal Opportunity clause, and that he will retain such certification in his files.

_____

Signature Date

_____

Name and Title of Signer (Please type)

_____

Firm Name

NOTE: The penalty for making false statements in offers is prescribed in 18 U.S.C. 1001.

EXHIBIT G

NOTICE TO LABOR UNIONS OR OTHER ORGANIZATIONS OF WORKERS
NONDISCRIMINATION IN EMPLOYMENT

To:_____
(Name of union or organization of workers)

The undersigned currently holds contract(s) with _____
(Name of applicant)

involving funds or credit of the U.S. Government or (a) subcontract(s) with a prime contractor holding such contract(s).

You are advised that under the provisions of the above contracts(s) or subcontract(s) and in accordance with Executive Order 11246, as amended, dated September 24, 1965, as amended, the undersigned is obliged not to discriminate against any employee or applicant for employment because of race, color, creed or national origin. This obligation not to discriminate in employment includes, but is not limited to, the following:

HIRING, PLACEMENT, UPGRADING, TRANSFER OR DEMOTION, RECRUITMENT, ADVERTISING, OR SOLICITATION FOR EMPLOYMENT, TRAINING DURING EMPLOYMENT, RATES OF PAY OR OTHER FORMS OF COMPENSATION, SELECTION FOR TRAINING INCLUDING APPRENTICESHIP, LAYOFF OR TERMINATION.

This notice is furnished you pursuant to the provisions of the above contract(s) or subcontracts(s) and Executive Order 11246, as amended.

Copies of this notice will be posted by the undersigned in conspicuous places available to employees or applicants for employment.

_____

_____

_____

_____
(Contractor or Subcontractor)

_____
(Date)

EXHIBIT H

DISCLOSURE OF OWNERSHIP INTERESTS

City of Evanston Ordinance 15-0-78 requires all persons (APPLICANT) seeking to do business with the City to provide the following information with their bid. Every question must be answered. If the question is not applicable, answer with "NA".

APPLICANT NAME: _____

APPLICANT ADDRESS: _____

TELEPHONE NUMBER: _____

FAX NUMBER: _____

APPLICANT is (**Check One**)

1. Corporation ( ) 2. Partnership ( ) 3. Sole Owner ( ) 4. Association ( )

5. Other ( ) _____

Please answer the following questions on a separate attached sheet if necessary.

SECTION I - CORPORATION

1a. Names and addresses of all Officers and Directors of Corporation.

_____

_____

_____

1b. (Answer only if corporation has 33 or more shareholders.) Names and addresses of all those shareholders owning shares equal to or in excess of 3% of the proportionate ownership interest and the percentage of shareholder interest. (Note: Corporations which submit S.E.C. form 10K may substitute that statement for the material required herein.)

_____

_____

_____

1c. (Answer only if corporation has fewer than 33 shareholders.) Names and addresses of all shareholders and percentage of interest of each herein. (Note: Corporations which submit S.E.C. form 10K may substitute that statement for the material requested herein.)

_____

_____

_____

SECTION 2 - PARTNERSHIP/ASSOCIATION/JOINT VENTURE

2a. The name, address, and percentage of interest of each partner whose interests therein, whether limited or general is equal to or in excess of 3%.

_____

_____

_____

2b. Associations: The name and address of all officers, directors, and other members with 3% or greater interest.

_____

_____

_____

SECTION 3 - TRUSTS

3a. Trust number and institution.

_____

3b. Name and address of trustee or estate administrator.

_____

_____

_____

3c. Trust or estate beneficiaries: Name, address, and percentage of interest in total entity.

_____

_____

_____

SECTION 4 - ALL APPLICANTS - ADDITIONAL DISCLOSURE

4a. Specify which, if any, interests disclosed in Section 1, 2, or 3 are being held by an agent or nominee, and give the name and address of principal.

_____

_____

_____

4b. If any interest named in Section 1, 2, or 3 is being held by a "holding" corporation or other "holding" entity not an individual, state the names and addresses of all parties holding more than a 3% interest in that "holding" corporation or entity as required in 1(a), 1(b), 1(c), 2(a), and 2(b).

_____

_____

_____

4c. If "constructive control" of any interest named in Sections 1, 2, 3, or 4 is held by another party, give name and address of party with constructive control. ("Constructive control" refers to control established through voting trusts, proxies, or special terms of venture of partnership agreements.)

_____

_____

_____

I have not withheld disclosure of any interest known to me. Information provided is accurate and current.

_____ _____

Date Signature of Person Preparing Statement

_____

Title

ATTEST: _____ (Notary Seal)

Notary Public

Commission Expires: _____

EXHIBIT I

ADDITIONAL INFORMATION SHEET

Bid/Proposal Name: _____

Bid/Proposal Number #: _____

Company Name: _____

Contact Name: _____

Address: _____

City,State, Zip: _____

Telephone/FAX: #_____

E-mail: _____

Comments: _____

_____

_____

_____

_____

_____

_____

EXHIBIT J

CERTIFICATE OF COMPLIANCE WITH PREVAILING WAGE RATE ACT

The undersigned, upon being first duly sworn, hereby certifies to the City of Evanston, Cook, County, Illinois, that all work under this contract shall comply with the Prevailing Wage Rate Act of the State of Illinois, 820 ILCS 130 *et seq*, and as amended by Public Acts 86-799 and 86-693 and our current city ordinance, with rates to be paid in effect at time work is performed. Contractors shall submit monthly certified payroll records to the city.

Name of Contractor: _____

By: _____

By: State of _____, County of _____

Subscribed and sworn to before me this _____ day of_____, _____.

Notary Public

EXHIBIT K

MAJOR SUB-CONTRACTORS LISTING

The following Tabulation of Major Sub-contractors shall be attached and made a condition of the Bid. The Bidder expressly understands and agrees to the following provisions:

A. If awarded a Contract as a result of this Bid, the major sub-contractors used in the prosecution of the work will be those listed below.

B. The following list includes all sub-contractors who will perform work representing 5% (five percent) or more of the total Base Bid.

C. The sub-contractors listed below are financially responsible and are qualified to perform the work required.

D. The sub-contractors listed below comply with the requirements of the Contract Documents.

D. Any substitutions in the sub-contractors listed below shall be requested in writing by the Contractor and must be approved in writing by the Owner. All pertinent financial, performance, insurance and other applicable information shall be submitted with the request for substitutions(s). Owner shall respond to such requests within 14 calendar days following the submission of all necessary information to the full satisfaction of the Owner.

E. Shall comply with all applicable provisions of federal, State and local law;

F. Shall comply with all provisions of Part 662 regarding fraud and other unlawful or corrupt practices;

G. Shall comply with all provisions of Part 662 with respect to access to facilities, records and audit of records; and

H. Shall comply with all provisions of subsection 662.620(f)(5) that require a Certification Regarding Debarment, Suspension, and Other Responsibility Matters (EPA Form 5700-49) showing compliance with any controlling federal Executive Orders.

Category Number	Name of Sub-contractor	Address and Telephone

(Attach additional sheets as required)

END OF SECTION

EXHIBIT L

CONFLICT OF INTEREST

_____, hereby certifies that it has conducted an investigation into whether an actual or potential conflict of interest exists between the Bidder, its owners and employees and any official or employee of the City of Evanston.

Bidder further certifies that it has disclosed any such actual or potential conflict of interest and acknowledges if Bidder/proposer has not disclosed any actual or potential conflict of interest, the City of Evanston may disqualify the bid/proposal.

_____

(Name of Bidder/proposer if the Bidder/proposer is an Individual)
(Name of Partner if the Bidder/proposer is a Partnership)
(Name of Officer if the Bidder/proposer is a Corporation)

The above statements must be subscribed and sworn to before a notary public.
Subscribed and Sworn to this _____ day of _____, 20

_____ (Notary Seal)
Notary Public

Commission Expires: _____

EXHIBIT M

SIGNATURE FORM
THE SECTION BELOW MUST BE COMPLETED IN FULL AND SIGNED

The undersigned hereby certifies that they have read and understand the contents of this solicitation and attached service agreements, and agree to furnish at the prices shown any or all of the items above, subject to all instructions, conditions, specifications and attachments hereto. Failure to have read all the provisions of this solicitation shall not be cause to alter any resulting contract or to accept any request for additional compensation. By signing this document, the proposer hereby certifies that they are not barred from bidding on this contract as a result bid rigging or bid rotating or any similar offense (720 ILCS 5/33 E-3, E-4).

Authorized Signature: _____

Company Name: _____

Typed/Printed Name: _____

Date: _____

Title: _____

Telephone Number: _____

E-mail
_____

FaxNumber:
_____

Exhibit N

Contractor Services Agreement Acknowledgement Page

The City has attached its standard contractor services agreement as an exhibit to this bid document. Identify all exceptions to the agreement that would prevent your firm from executing it**. The City shall not consider or negotiate regarding exceptions submitted at any time after the submission of the Bidder's response.** *Please check one of the following statements:*

____I have read the contractor services agreement and plan on executing the agreement without any exceptions.

_____My firm cannot execute the City's standard contractor service agreement unless the exceptions noted below or in the attached sample contractor services agreement are made.
*****Please be aware that submitting exceptions to the contract may impact the likelihood of your firm being selected to perform this work.**

List exceptions in the area below:
_____

_____

_____

_____

_____

_____

_____

_____

_____

Authorized Signature: _____ **Company Name:** _____

Typed/Printed Name and Title: _____ **Date:** _____

Exhibit N

CONTRACTOR SERVICES AGREEMENT

The parties referenced herein desire to enter into an agreement for professional services for

2025 PRIORITIZED WATERMAIN AND LEAD WATER SERVICE LINE REPLACEMENT PROJECT

(BID #25-10)

THIS AGREEMENT (hereinafter referred to as the "Agreement") is entered into between the City of Evanston, an Illinois municipal corporation with offices located at 2100 Ridge Avenue, Evanston Illinois 60201 (hereinafter referred to as the "City"), and *[Insert Contractor name here]*, with offices located at *[Insert Contractor address here]*, (hereinafter referred to as the "Contractor"). Compensation (the "Compensation") for all basic services provided by the Contractor pursuant to the terms of this Agreement shall not exceed $*[Insert fee here]*.

Revision March 2020

TABLE OF CONTENTS

1	Services and Duties of the Contractor	1
2	Standard Certifications	4
3	Additional Services/Change Orders	7
4	Bonds	9
5	Liquidated Damages in the Event Contractor Fails to Complete the Work	10
6	The City's Responsibilities	10
7	Period of Service	10
8	Payment for Services and Reimbursements	11
9	Notice and Cure/Termination	12
10	Insurance	13
11	Indemnification	14
12	Drawings and Documents	15
13	Successors and Assigns	16
14	Force Majeure	16
15	Amendments and Modifications	17
16	Standard of Care & Warranty	17
17	Savings Clause	18
18	Non-Waiver of Rights	18
19	Entire Agreement	18
20	Governing Law	19
21	Ownership of Contract Documents	19
22	Notice	19
23	Severability	19
24	Execution of Agreement	20
25	Counterparts	20
26	Authorizations	20
27	Time of Essence	20

RECITALS

WHEREAS, the City intends to retain the services of a qualified and experienced contractor for the following:

2025 PRIORITIZED WATERMAIN AND LEAD WATER SERVICE LINE REPLACEMENT PROJECT

WHEREAS, this Agreement shall include the following documents which are attached hereto:

a) City of Evanston Bid 25-10 _____, attached as Exhibit A.

b) Contractor's response to Bid 25-10 _____, attached as Exhibit B.

c) Any sub-contractor sub-contracts related to this Agreement, attached as Exhibit C.

d) Project Fee Schedule and hourly rates, attached as Exhibit D *(if appropriate)*.

NOW, THEREFORE, in consideration of the mutual covenants hereinafter set forth, the parties agree as follows:

1 Services and Duties of the Contractor

1.1 The Contractor shall perform professional services and provide equipment (the "Work") in accordance with Exhibits A, B, C and D. The Contractor retains the right to control the manner of performance of the services provided for in this Agreement and is an independent contractor and not agent or an employee of the City. All employees and sub-contractors of the Contractor shall likewise not be considered to be employees of the City. Contractor is solely responsible for the means and methods of all work performed under the terms of this Agreement for this Project ("the Project"). Contractor is an independent Contractor and is solely responsible for all taxes, withholdings, and other statutory or contractual obligations of any sort, including but not limited to, Worker's Compensation Insurance. Nothing in this Agreement accords any third-party beneficiary rights whatsoever to any non-party to this Agreement that any non-party may seek to enforce. Contractor acknowledges and agrees that should Contractor or its sub-contractors provide false information, or fail to be or remain in compliance with this Agreement; the City may void this Agreement.

1.2 The Contractor warrants and states that it has read the Contract Documents, and agrees to be bound thereby, including all performance guarantees as respects Contractor's work and all indemnity and insurance requirements. Contractor further affirms that it has visited the Project site and has become familiar with all special conditions, if any, at the Project site. Contractor shall perform the Work and its obligations under this Agreement in accordance with and subject to the Contract Documents to the full extent that each such provision is applicable to the Work. Contractor shall take necessary precautions to properly protect the Work of others, if any, from damage caused by operations under this Agreement. In addition, Contractor shall protect the work during normal and adverse weather conditions until the Project is complete and accepted by the City, or until the Contractor has fully completed its work under this Agreement. Contractor's obligations include, but are not limited to, placing and adequately maintaining at or about all locations of Project work, sufficient guards, barricades, lights, and enclosures to protect

the Work.

1.3 The Contractor shall not have any public or private interest and shall not acquire directly or indirectly any such interest which conflicts in any manner with the performance of its services under this Agreement.

1.4 The Contractor shall designate, in writing, a person to act as its Project Manager for the work to be performed under this Agreement. Such person shall have complete authority to transmit instructions, receive information, interpret and define the Contractor's policies and decisions with respect to the work covered by this Agreement.

1.5 The Contractor shall employ only persons duly licensed by the State of Illinois to perform the professional services required under this Agreement for which applicable Illinois law requires a license, subject to prior approval of the City. The Contractor shall employ only well qualified persons to perform any of the remaining services required under this Agreement, also subject to prior approval of the City. The City reserves the right to require replacement of Contractor, sub-contractor, or supplier personnel for any reason. Contractor will replace the unacceptable personnel at no charge to the City. For all solicitations or advertisements placed by or on behalf of Contractor for employees for this Project it will state that the Contractor is an Equal Opportunity Employer.

1.6 Pursuant to the Illinois Freedom of Information Act, 5 ILCS 140/7(2), records in the possession of others whom the City has contracted with to perform a governmental function are covered by the Act and subject to disclosure within limited statutory timeframes (five (5) working days with a possible five (5) working day extension). Upon notification from the City that it has received a Freedom of Information Act request that calls for records within the Contractor's control, the Contractor shall promptly provide all requested records to the City so that the City may comply with the request within the required timeframe. The City and the Contractor shall cooperate to determine what records are subject to such a request and whether or not any exemption to the disclosure of such records, or part thereof, is applicable. Contractor shall indemnify and defend the City from and against all claims arising from the City's exceptions to disclosing certain records which Contractor may designate as proprietary or confidential. Compliance by the City with an opinion or a directive from the Illinois Public Access Counselor or the Attorney General under FOIA, or with a decision or order of Court with jurisdiction over the City, shall not be a violation of this Section.

1.7 The Contractor shall obtain prior approval from the City prior to sub-contracting with any entity or person to perform any of the work required under this Agreement. The Contractor may, upon request of the City, submit to the City a draft sub-contractor agreement for City review and approval prior to the execution of such an agreement. Any previously entered into sub-contractor agreement(s) are attached as Exhibit C. If the Contractor sub-contracts any of the services to be performed under this Agreement, the sub-contractor agreement shall provide that the services to be performed under any such agreement shall not be sublet, sold, transferred, assigned or otherwise disposed of to another entity or person without the City's prior written consent. The Contractor shall be responsible for the accuracy and quality of any sub-contractor's work.

1.8 The Contractor shall cooperate fully with the City, other City contractors, other municipalities and local government officials, public utility companies, and others, as may be directed by the City. This shall include attendance at meetings, discussions and hearings as requested by the City. This cooperation shall extend to any investigation, hearings or meetings convened or instituted by OSHA relative to this Project, as necessary. Contractor shall cooperate with the City in scheduling and performing its Work to avoid conflict, delay in or interference with the work of others, if any, at the Project.

1.9 The Contractor acknowledges that it shall enforce and comply with all applicable Occupational Safety and Health Administration standards (OSHA) for this Project in effect as of the date of the execution of this Agreement, or as otherwise promulgated by OSHA in the future taking effect during the pendency of this Project. Contractor shall enforce all such standards and ensure compliance thereto as to its own agents and employees, and as to the agents and employees of any sub-contractor throughout the course of this Project. Contractor is solely responsible for enforcing and complying with all applicable safety standards and requirements on this Project, and is solely responsible for correcting any practices or procedures which do not comply with the applicable safety standards and requirements for this Project. Any Project specific safety requirements applicable to this Project must be followed by Contractor and any sub-contractor(s) on the Project. Additionally, all such safety requirements shall be made a part of any sub-contractor agreement.

1.10 The Contractor shall submit to the City a progress report each month this Agreement is in effect. The report shall include the following items:

a) A summary of the Contractor's project activities, and any sub-contractor project activities that have taken place during the invoice period;
b) A summary of the Contractor's project activities and any sub-contractor project activities, that shall take place during the next invoice period;
c) A list of outstanding items due to or from the City; and
d) A status of the Project schedule.

1.11 The Contractor shall perform the work required under this Agreement pursuant to high quality industry standards expected by the City. The Contractor shall apply for and receive all appropriate permits before performing any work in the City. The Contractor shall also provide the appropriate permit drawings for Building Permits to be issued for the Project, if said permits are obligated by the Project. The City will assist the Contractor with obtaining the appropriate building and right-of-way permits.

1.12 The Contractor shall provide drawings of record, in the following 3 electronic formats for all locations where equipment has been installed and/or work has been performed. The electronic formats required by this Section 1.12 are Auto Cad Version 2007, ArcView and PDF.

1.13 Contractor recognizes that proper cleanup and removal of construction debris is an important safety consideration. The Contractor shall be solely responsible for daily construction

site/area cleanup and removal of all construction debris in accordance with City-approved disposal practices. Contractor shall be solely responsible for identifying and removing at its expense all hazardous material and waste which it uses and generates.

1.14 To the extent that there is any conflict between a provision specified in this Agreement, with a provision specified in any of the other Contract Documents, as defined in Section 1.15, this Agreement shall control. The City and the Contractor may amend this Section 1.14 as provided by Section 15 herein.

The Contractor acknowledges and agrees that the City has no retained control over any of the Work done pursuant to this Agreement, and that the City is expressly exempt from the retained control exception as defined in the Restatement of Torts, Second, Section 414. This provision shall survive completion, expiration, or termination of this Agreement.

1.15 The Contract Documents for this Project consist of:

a) This Agreement;
b) The City's RFP/RFQ, and the plans, specifications, general conditions, drawings addenda, and modifications thereto;
c) The Contractor's response to the RFP/RFQ/Bid;
d) Other exhibits and schedules, if any, listed in this Agreement;
e) Amendments or Other Contract Documents, if any; and
f) Amendments/Modifications to this Agreement issued after execution thereof.

1.16 As a condition of receiving payment, Contractor must (i) be in compliance with the Agreement, (ii) pay its employees prevailing wages when required by law (Examples of prevailing wage categories include public works, printing, janitorial, window washing, building and grounds services, site technician services, natural resource services, security guard and food services). Contractor is responsible for contacting the Illinois Dept. of Labor 217-782-6206; http://www.illinois.gov/idol/Laws-Rules/CONMED/Pages/Rates.aspx to ensure compliance with prevailing wage requirements), (iii) pay its suppliers and sub-contractors according to the terms of their respective contracts, and (iv) provide lien waivers to the City upon request.

2 Standard Certifications

Contractor acknowledges and agrees that compliance with this section and each subsection for the term of the Agreement is a material requirement and condition of this Agreement. By executing this Agreement, Contractor certifies compliance with this section and each subsection and is under a continuing obligation to remain in compliance and report any non-compliance.

This section, and each subsection, applies to sub-contractors used on this Agreement. Contractor shall include these Standard Certifications in any sub-contract used in the performance of the Agreement.

If this Agreement extends over multiple fiscal years, Contractor and its sub-contractors shall confirm compliance with this section in the manner and format determined by the City by the

date specified by the City and in no event later than January 1 of each year that this Agreement remains in effect.

If the City determines that any certification in this section is not applicable to this Agreement, it may be stricken, subject to sole approval by the City, without affecting the remaining subsections.

2.1 As part of each certification, Contractor acknowledges and agrees that should Contractor or its sub-contractors provide false information, or fail to be or remain in compliance with the Standard Certification requirements, one or more of the following sanctions will apply:

- the Agreement may be void by operation of law,
- the City may void the Agreement, and
- Contractor and its sub-contractors may be subject to one or more of the following: suspension, debarment, denial of payment, civil fine, or criminal penalty.

2.2 By signing this Agreement, the Contractor certifies that it has not been barred from being awarded a contract with a unit of State or local Government as a result of bid rigging or bid rotating or similar offense, nor has it made any admission of guilt of such conduct that is a matter of public record. (720 ILCS 5/33 E-3, E-4).

2.3 In the event of the Contractor's noncompliance with any provision of Section 1-12-5 of the Evanston City Code, the Illinois Human Rights Act or any other applicable law, the Consultant may be declared non-responsible and therefore ineligible for future contracts or sub-contracts with the City, and the contract may be cancelled or voided in whole or in part, and such other sanctions or penalties may be imposed or remedies invoked as provided by statute or regulation.

2.4 During the term of this Agreement, the Contractor agrees as follows:

a) That it will not discriminate against any employee or applicant for employment because of race, color, religion, sex, sexual orientation, marital status, national origin or ancestry, or age or physical or mental disabilities that do not impair ability to work, and further that it will examine all job classifications to determine if minority persons or women are underutilized and will take appropriate affirmative action to rectify any such underutilization. Consultant shall comply with all requirements of City of Evanston Code Section 1-12-5.

b) That, in all solicitations or advertisements for employees placed by it on its behalf, it will state that all applicants will be afforded equal opportunity without discrimination because of race, color, religion, sex, sexual orientation, marital status, national origin, ancestry, or disability.

2.5 The Contractor certifies pursuant to the Illinois Human Rights Act (775 ILCS 5/2-*105 et. seq.),* that it has a written sexual harassment policy that includes, at a minimum, the following information:

a) The illegality of sexual harassment;
b) The definition of sexual harassment under State law;
c) A description of sexual harassment utilizing examples;
d) The Contractor's internal complaint process including penalties;
e) Legal recourse, investigation and complaint process available through the Illinois Department of Human Rights and the Human Rights Commission, and directions on how to contact both; and
f) Protection against retaliation as provided to the Department of Human Rights.

2.6 In accordance with the Steel Products Procurement Act (30 ILCS 565), Contractor certifies steel products used or supplied in the performance of a contract for public works shall be manufactured or produced in the U.S. unless the City grants an exemption.

2.7 Contractor certifies that it is properly formed and existing legal entity and as applicable has obtained an assumed name certificate from the appropriate authority, or has registered to conduct business in Illinois and is in good standing with the Illinois Secretary of State.

2.8 If Contractor, or any officer, director, partner, or other managerial agent of Contractor, has been convicted of a felony under the Sarbanes-Oxley Act of 2002, or a Class 3 or Class 2 felony under the Illinois Securities Law of 1953, Contractor certifies at least five years have passed since the date of the conviction.

2.9 Contractor certifies that if more favorable terms are granted by Contractor to any similar governmental entity in any state in a contemporaneous agreement let under the same or similar financial terms and circumstances for comparable supplies or services, the more favorable terms will be applicable under this Agreement.

2.10 Contractor certifies that it is not delinquent in the payment of any fees, fines, damages, or debts to the City of Evanston.

2.11 The Contractor certifies that all Design Professionals performing the Work under this Agreement will ensure that the Project shall be designed in conformance with the Americans with Disabilities Act of 1990, 42 U.S.C. Section 12101, *et seq.*, and all regulations promulgated thereunder. Design Professional means any individual, sole proprietorship, firm, partnership, joint venture, corporation, professional corporation, or other entity that offers services under the Illinois Architecture Practice Act of 1989 (225 ILCS 305/), the Professional Engineering Practice Act of 1989 (225 ILCS 325/), the Structural Engineering Licensing Act of 1989 (225 ILCS 340/), or the Illinois Professional Land Surveyor Act of 1989 (225 ILCS 330/).

2.12 The Contractor shall comply with all federal, state and local laws, statutes, ordinances, rules, regulations, orders or other legal requirements now in force or which may be in force during the term of this Agreement. The Contractor shall comply with the Illinois Human Rights Act, 775 ILCS 5/1-101 *et. seq,* Title VII of the Civil Rights Act of 1964, and the Illinois Prevailing Wage Act, 820 ILCS 130/0.01 *et. seq.*

3 Additional Services/Change Orders

3.1 If the representative of the City responsible for the Project verbally requests the Contractor to perform additional services, the Contractor shall confirm in writing that the services have been requested and that such services are additional services. Failure of the City to respond to the Contractor's confirmation of said services within thirty (30) calendar days of receipt of the notice shall be deemed a rejection of, and refusal to pay for the additional services. Contractor shall not perform any additional services until City has confirmed approval of said additional services in writing. If authorized in writing by the City, the Contractor shall furnish, or obtain from others, additional services of the following types, which shall be paid for by the City as set forth in Section 9 of this Agreement:

a) Additional Services due to significant changes in scope of the Project or its design, including, but not limited to, changes in size, complexity or character of construction, or time delays for completion of work when such delays are beyond the control of the Contractor;
b) Revisions of previously approved studies, reports, design documents, drawings or specifications;
c) Preparation of detailed renderings, exhibits or scale models for the Project;
d) Investigations involving detailed consideration of operations, maintenance and overhead expenses for the preparation of rate schedules, earnings and expense statements, feasibility studies, appraisals and valuations, detailed quantity surveys of material and labor, and material audits or inventories required for certification of force account construction performed by the City;e) Services not otherwise provided for in this Agreement.

3.2 The City may, upon written notice, and without invalidating this Agreement, require changes resulting in the revision or abandonment of work already performed by the Contractor, or require other elements of the work not originally contemplated and for which full compensation is not provided in any portion of this Agreement. Any additional services, abandonment of services which were authorized by the City, or changes in services directed by the City which result in the revision of the scope of services provided for in Exhibits A, B, C, and D that cause the total Compensation due Contractor under this Agreement to exceed $25,000 or more, or increase or decrease the contract duration by more than 30 days are subject to approval by the Evanston City Council. These actions must be addressed either in a written Change Order or in a written amendment to this Agreement approved by both parties.

3.3 Contractor acknowledges and agrees that the Public Works Construction Change Order Act, 50 ILCS 525/1 et seq. shall apply to all Change Orders for the Project. It is expressly understood and agreed to by Contractor that it shall not be entitled to any damages or Compensation from the City on account of delay or suspension of all or any part of the Work. Contractor acknowledges that delays are inherent in construction projects and Contractor assessed that risk and fully included that risk assessment within its contract sum specified in its Response to the City Bid 25-10 for this Project. The City shall not compensate Contractor for work that is more difficult than the contract sum specified in its Response would reflect. Delays to minor portions of the Work will not be eligible for extensions of time.

Delays to the Project caused by labor disputes or strikes involving trades not directly related to the Project, or involving trades not affecting the Project as a whole will not be eligible for an extension of time.

The City will not grant an extension of time for a delay by the Contractor's inability to obtain materials unless the Contractor first furnishes to the City documentary proof. The proof must be provided in a timely manner in accordance with the sequence of the Contractor's operations and accepted construction schedule.

In addition to any other changes requested by City (as described in Sections 3.1 and 3.2), the Company shall be entitled to request (and the City may grant) Change Orders with respect to:

(a) The City-caused delays;
(b) Change in Law;
(c) Force Majeure Events.

The foregoing events shall entitle the Contractor to a change in the Compensation for this Project, if the Contractor demonstrates that it will unavoidably incur reasonable costs as a result thereof and the Contractor provides reasonable and detailed documentary support with respect to any such price impact.

The parties agree to reasonably confer regarding any such disputes with respect to the issuance of a Change Order.

Any payment for compensable delay will only be based upon actual costs excluding, without limitation, what damages, if any, the Contractor may have reasonably avoided. The Contractor understands that this is the sole basis for recovering delay damages and explicitly waives any right to calculate daily damages for office overhead, profit, or other purported loss.

All Contractor Change Orders authorized under this Section 3 shall be made in writing. In remitting a Change Order, the Contractor must first show in writing that:

(a) The work was outside the scope of this Agreement,
(b) The extra work was not made necessary due to any fault of Contractor;
(c) The circumstances said to necessitate the change in performance were not reasonably foreseeable at the time the Agreement was signed;
(d) The change is germane to the original Agreement; and
(e) The Change Order is in the best interest of the City and authorized by law.

Any person who fails to first obtain the City's written authorization for a Change Order commits a Class 4 felony. The written determination and the written Change Order resulting from that determination shall be preserved in the contract's file which shall be open to the public for inspection.

The City reserves all rights and causes of action, at law or equity, to seek redress against entities or persons who violate the requirements of this Section 3. By initialing below, Contractor hereby acknowledges that it is bound by this Section 3.

Contractor's Initials: _____

3.4 The Contractor is required to include the City of Evanston as a reference whenever and wherever the Contractor provides references for similar projects for a period of one (1) year from the date of Final Acceptance by the City of the Work for this Project.

4 Bonds

4.1 Before the Scheduled Construction Commencement Date, the Contractor is required to furnish unconditional performance and payment bonds in the amount of 100% of the Compensation as security for the faithful performance and completion of all the Contractor's obligations under the Contract Documents and covering the payment of all materials used in the performance of this Agreement and for all labor and services performed under this Agreement. All Bonds shall be issued on a form acceptable to the City. The bonds must be for the entire term of the Agreement. Failure to provide these bonds shall constitute a breach of Contractor's obligations under this Agreement. Each surety providing the Bonds must have a Best's rating not less than A/X and be licensed in Illinois and shall be named in the current list of "Companies Holding Certificates of Authority as Acceptable Sureties on Federal Bonds and as Acceptable Reinsuring Companies" as published in Circular 570 as published in the Federal Register and available on the website of the U.S. Department of the Treasury, Financial Management Service, at www.fms.treas.gov/c570/c570.html. All Bonds signed by an agent must be accompanied by a certified copy of his or her authority to act. It shall be the duty of the Contractor to advise the surety or sureties of any Change Orders that result in an increase to the Compensation and to ensure that the amounts of the Bonds are updated to reflect and cover any such increases throughout the course of the Project. The cost of such Bonds shall be included within the Compensation.

4.2 If the surety behind any Bond furnished by the Contractor is declared bankrupt or becomes insolvent or its right to do business is terminated in the State or it ceases to meet any of the requirements of this Contract, the Contractor shall, within [5] five days thereafter, substitute another Bond of equivalent value and surety, both of which must be acceptable to the City. In addition, no further progress payments under the Agreement will be made by the City until the Contractor complies with the provisions of this Agreement. The Contractor shall furnish to the City proof of any required bonds and proof of required insurance as one of the conditions precedent to payment under the Agreement. Upon the request of any person or entity appearing to be a potential beneficiary of bonds covering payment or performance of obligations arising under the Contract, the Contractor shall promptly furnish a copy of the bonds or authorize a copy to be furnished. All surety Bonds provided for in this Section shall incorporate by reference this Agreement, and any language that may be in any such surety Bond which conflicts with the provisions of this Agreement that define the scope of the surety('s) duty(ies) shall be of no force and effect.

5 Liquidated Damages in the Event Contractor Fails to Complete the Work

5.1 The parties agree that failure of Contractor to timely complete the Work required by this Agreement constitutes a default. The parties agree that this default will result in damage and injury to City. The parties further agree, however, that actual damages incurred by City as result of such default is difficult if not impossible to ascertain with any degree of certainty or accuracy. Accordingly, the parties have negotiated and have agreed that for each calendar day after written notice is delivered to Contractor and Contractor fails to cure such default, that Contractor will pay City, as and for liquidated damages, and not as a penalty, the sum of **$1,425.00** (**One Thousand Four Hundred and Twenty Five Dollars).** Contractor shall reimburse the City for all costs, expenses and fees (including, without limitation, attorneys' fees), if any, paid by the City in connection with such written demand by City. Contractor stipulates and agrees that the sums payable by Contractor under this Section are reasonable under the circumstances existing as of the execution of this Agreement. This Section 5.1 is not intended to limit any direct damages that may be recoverable by City related to the Contractor's failure to complete the Work in accordance with this Agreement. There shall be no early completion bonus if the Work is completed before the substantial completion date. The City, at its option, may withhold liquidated damages from progress payments payable to Contractor before the substantial completion date.

6 The City's Responsibilities

6.1 The City may evaluate the Contractor's and any sub-contractor's performance (interim and final). Timeliness in meeting the Project schedule and the overall relationship with the Contractor are factors that will be considered in the Contractor's performance rating. An unfavorable performance rating may be a factor when future assignments are being considered.

6.2 The City makes no representation or warranty of any nature whatsoever as to the accuracy of information or documentation provided by the City to the Contractor which were generated or provided by third parties.

7 Period of Service

7.1 The Contractor shall commence work on the Project after supplying the City with the Contractor's performance and payment bonds and all required insurance documents before starting its Work on this Project. The City shall determine when the Contractor has completed the Work required pursuant to this Agreement, and shall determine the date of Final Acceptance. Contractor recognizes time is of the essence regarding its performance on this Project. Contractor shall continue to perform its obligations while any dispute concerning the Agreement is being resolved, unless otherwise directed by the City.

7.2 Each phase of the project shall be completed in accordance with the activities outlined in the City's Bid 25-10 _____, Exhibit A. Project phases are specified in the Contract Special Provisions.

8 Payment for Services and Reimbursements

8.1 Within the first five (5) business days of each month, the Contractor shall invoice the City for Work completed during the previous month. The Contractor shall provide a detailed invoice that relates invoiced items to the Contractor's response to Bid 25-10 _____ in both quantity and unit cost. Any discrepancies in the monthly invoice shall be promptly brought to the attention of the Contractor by the City Project Manager and efforts shall be made to promptly resolve said discrepancies between the City and Contractor. In the event the City and Contractor cannot resolve invoice discrepancies, items in dispute will be removed from the invoice and the City shall approve the remainder of the invoice. Payment will be made as soon as possible following the City Council meeting in which the item appeared on the bills list, and in accordance with all applicable laws and rules of the City of Evanston and the State of Illinois.

8.2 In the event of termination by the City of this Agreement pursuant to paragraph 9.1 after completion of any phase of the basic services, fees due the Contractor for services rendered through such phase shall constitute final payment for such services, and no further fees shall be due to the Contractor. In the event of such termination by the City during any phase of the basic services, the Contractor shall be paid for services rendered on the basis of the proportion of work completed on the phase to date of termination.

8.3 The City shall have the right to withhold payment to the Contractor due to the quality of a portion or all of the work performed hereunder which is not in accordance with the requirements of this Agreement, or which is unsatisfactory, or is due to the Contractor's failure or refusal to perform any of its obligations hereunder. Compensation in excess of the total contract amount specified in this Agreement will not be allowed unless justified in the City's sole judgment and authorized in advance as provided for in Section 3 of this Agreement. Compensation for improper performance by the Contractor is disallowed.

8.4 Upon completion of the Work performed by the Contractor, prior to the submission of a request for final payment, the City and Contractor shall perform a final acceptance test and review of the Work performed and/or equipment installed pursuant to the Agreement. A punch list of items outstanding will be jointly developed by the City and Contractor. In addition, the Contractor shall submit drawings of record for the Project for the City to approve. The Contractor shall promptly resolve all punch list items to the satisfaction of the City, and shall transmit to the City in writing confirmation that all punch list items have been resolved. The City will review, and the Contractor shall modify, as necessary, any drawings of record to the satisfaction of the City. Punch list items and drawings of record must be approved by the City prior to the Contractor submitting its final invoice for payment.

8.5 The Contractor shall submit an Affidavit and a final waiver of its lien, and all final waivers of liens of any sub-contractors, suppliers, and sub-sub-contractors, if applicable, with its final invoice, stating that all obligations incurred in performance of the professional services have been paid in full. The Affidavit will also include a statement stating that the professional services were performed in compliance with the terms of the Agreement. The Affidavit and all final lien waivers shall be on a form acceptable to the City.

8.6 All Project invoices shall be sent to:

City of Evanston *[Applicable department]*
2100 Ridge Avenue
Evanston, Illinois 60201

with a copy to:

City of Evanston *[Anyone else as applicable]*
2100 Ridge Avenue
Evanston, Illinois 60201

9 Notice and Cure/Termination

9.1 In furtherance of Contractor's Work on this Project, the City and the Contractor agree that the following Notice and Cure provision in this Section 9.1 shall apply during the duration of Contractor's work on this Project, in addition to the reserved rights of the City enumerated in this Agreement as follows:

5.1 Liquidated Damages;
8.3 City's right to withhold payment;
16.2 Contractor's duty to revise and correct errors; and
16.3 Contractor's duty to respond to City's notice of errors and omissions.

The City may notify Contractor of its intent to terminate this Agreement within (7) seven calendar days of issuance by the City of written notice to Contractor's Project Manager regarding defects in the Project or in Contractor's Work. The City shall specify any such nonconforming Work or defects in the Project in its notice to Contractor under this Section 9.1. Contractor will have the opportunity to cure the non-conforming Work within (7) seven calendar days after receipt of the written notice issued by the City. All such curative work done shall be performed and completed to the City's satisfaction. Nothing in this Section 9.1 shall otherwise affect the City's right to exercise its rights in Section 9.2.

9.2 The City shall have the right to terminate this Agreement upon fifteen (15) days written notice for any reason. Mailing of such notice shall be equivalent to personal notice and shall be deemed to have been given at the time of receipt.

Payments made by the City pursuant to this Agreement are subject to sufficient appropriations made by the City of Evanston City Council. In the event of termination resulting from non-appropriation or insufficient appropriation by the City Council, the City's obligations hereunder shall cease and there shall be no penalty or further payment required.

9.3 Within thirty (30) days of termination of this Agreement, the Contractor shall turn over to the City any documents, drafts, and materials, including but not limited to, outstanding work product, data, studies, test results, source documents, AutoCAD Version 2007, ArcView, PDF, Word, Excel spreadsheets, technical specifications and calculations, and any other such items

specifically identified by the City related to the Work herein. Upon receipt of said items, the Contractor shall be paid for labor and expenses incurred to the date of termination as provided in Section 8.2. This Agreement is subject to termination by either party if either party is restrained by a state or federal court of competent jurisdiction from performing the provisions of this Agreement. Upon such termination, the liabilities of the parties to this Agreement shall cease, but they shall not be relieved of the duty to perform their obligations through the date of termination. No lien shall be filed by the Contractor in the event of a termination of this Agreement by the City.

9.4 If, because of death or any other occurrence, including, but not limited to, Contractor becoming insolvent, it becomes impossible for any principal or principals of the Contractor to render the services set forth in this Agreement, neither the Contractor, nor its surviving principals shall be relieved of their obligations to complete the professional services. However, in the event of such an occurrence, the City at its own option may terminate this Agreement if it is not furnished evidence that competent professional services can still be furnished as scheduled.

9.5 In the event of an emergency or threat to the life, safety or welfare of the citizens of the City, the City shall have the right to terminate this Agreement without prior written notice.

10 Insurance

10.1 The Contractor shall, at its own expense, secure and maintain in effect throughout the duration of this contract, insurance against claims for injuries to persons or damages to property which may arise from or in connection with the performance of the Work hereunder by the Contractor, its agents, representatives, employees or sub-contractors. Contractor acknowledges and agrees that if it fails to comply with all requirements of this Section 10, the City may void the Agreement.

The Contractor must give to the City Certificates of Insurance identifying the City to be an Additional Insured for all Work done pursuant to this Agreement before City staff recommends award of the contract to City Council. Any limitations or modifications on the Certificate(s) of Insurance issued to the City in compliance with this Section that conflict with the provisions of this Section 10 shall have no force and effect.

After award of the Contract to Contractor (contracts over $500,000 in value or if the project is deemed high risk) the Contractor **shall** give the City a certified copy (ies) of the insurance policy (ies) evidencing the amounts set forth in Section 10.2, and copies of the Additional Insured endorsement to such policy (ies) which name the City as an Additional Insured for all Work done pursuant to this Agreement before Contractor does any Work pursuant to this Agreement. Contractor's certificate of insurance shall contain a provision that the coverage afforded under the policy(s) will not be canceled or reduced without thirty (30) days prior written notice (hand delivered or registered mail) to the City. Contractor shall promptly forward new certificate(s) of insurance evidencing the coverage(s) required herein upon annual renewal of the subject policies.

The policies and the Additional Insured endorsement must be delivered to the City within two (2) weeks of the request. All insurance policies shall be written with insurance companies

licensed or authorized to do business in the State of Illinois and having a rating of not less than A-VII according to the A.M. Best Company. Should any of the insurance policies be canceled before the expiration date, the issuing company will mail thirty (30) days written notice to the City. The Contractor shall require and verify that all sub-contractors maintain insurance meeting all of the requirements stated herein.

Any deductibles or self-insured retentions must be declared to and approved by the City. At the option of the City, either the insurer shall reduce or eliminate such deductibles or self-insured retentions as respects the City, its officers, officials, employees and volunteers; or the Contractor shall provide a financial guarantee satisfactory to the City guaranteeing payment of losses and related investigations, claim administration and defense expenses.

10.2 Contractor shall carry and maintain at its own cost with such companies as are reasonably acceptable to City all necessary liability insurance (which shall include as a minimum the requirements set forth below) during the term of this Agreement, for damages caused or contributed to by Contractor, and insuring Contractor against claims which may arise out of or result from Contractor's performance or failure to perform the Services hereunder:

a) Worker's compensation in statutory limits and employer's liability insurance in the amount of at least five hundred thousand dollars ($500,000);
b) Comprehensive general liability coverage which designates the City as an additional insured for not less than three million dollars ($3,000,000) combined single limit for bodily injury, death and property damage, per occurrence;
c) Comprehensive automobile liability insurance covering owned, non-owned, and leased vehicles for not less than one million dollars ($1,000,000) combined single limit for bodily injury, death, or property damage, per occurrence; and

Contractor understands that the acceptance of Certificates of Insurance, policies, and any other documents by the City in no way releases the Contractor and its sub-contractors from the requirements set forth herein.

Contractor expressly agrees to waive its rights, benefits and entitlements under the "Other Insurance" clause of its commercial general liability insurance policy as respects the City. Contractor expressly agrees that its insurance coverage is required to be primary by this Agreement, that its insurance coverage shall be on a primary and non-contributory basis, and that it and its insurance carrier are estopped from denying such coverage is primary. In the event Contractor fails to purchase or procure insurance as required above, the parties expressly agree that Contractor shall be in default under this Agreement, and that the City may recover all losses, attorney's fees and costs expended in pursuing a remedy, or reimbursement, at law or in equity, against Contractor.

11 Indemnification

11.1 The Contractor shall defend, indemnify and hold harmless the City and its officers, elected and appointed officials, agents, and employees from any and all liability, losses, or damages as a result of claims, demands, suits, actions, or proceedings of any kind or nature,

including but not limited to costs, and fees, including attorney's fees, judgments or settlements, resulting from or arising out of any negligent or willful act or omission on the part of the Contractor or Contractor's sub-contractors, employees, agents or sub-contractors during the performance of this Agreement. Such indemnification shall not be limited by reason of the enumeration of any insurance coverage herein provided. This provision shall survive completion, expiration, or termination of this Agreement.

11.2 Nothing contained herein shall be construed as prohibiting the City, or its officers, agents, or employees, from defending through the selection and use of their own agents, attorneys, and experts, any claims, actions or suits brought against them. The Contractor shall be liable for the costs, fees, and expenses incurred in the defense of any such claims, actions, or suits. Nothing herein shall be construed as a limitation or waiver of defenses available to the City and employees and agents, including but not limited to the Illinois Local Governmental and Governmental Employees Tort Immunity Act, 745 ILCS 10/1-101 *et seq.*

At the City Corporation Counsel's option, Contractor must defend all suits brought upon all such Losses and must pay all costs and expenses incidental to them, but the City has the right, at its option, to participate, at its own cost, in the defense of any suit, without relieving Contractor of any of its obligations under this Agreement. Any settlement of any claim or suit related to this Project by Contractor must be made only with the prior written consent of the City Corporation Counsel, if the settlement requires any action on the part of the City.

To the extent permissible by law, Contractor waives any limits to the amount of its obligations to indemnify, defend, or contribute to any sums due under any Losses, including any claim by any employee of Contractor that may be subject to the Illinois Workers Compensation Act, 820 ILCS 305/1 *et seq.* or any other related law or judicial decision, including but not limited to, *Kotecki v. Cyclops Welding Corporation,* 146 Ill. 2d 155 (1991). The City, however, does not waive any limitations it may have on its liability under the Illinois Workers Compensation Act, the Illinois Pension Code or any other statute.

11.3 The Contractor shall be responsible for any losses and costs to repair or remedy work performed under this Agreement resulting from or arising out of any act or omission, neglect, or misconduct in the performance of its Work or its sub-contractors' work. Acceptance of the work by the City will not relieve the Contractor of the responsibility for subsequent correction of any such error, omissions and/or negligent acts or of its liability for loss or damage resulting therefrom.

11.4 All provisions of this Section 11 shall survive completion, expiration, or termination of this Agreement.

12 Drawings and Documents

12.1 Any drawings, survey data, reports, studies, specifications, estimates, maps, plans, computations, and other documents required to be prepared by the Contractor for the Project shall be considered Works for Hire and the sole property of the City.

12.2 The Contractor and its sub-contractor shall maintain for a minimum of three (3)

years after the completion of this Agreement, or for three (3) years after the termination of this Agreement, whichever comes later, adequate books, records and supporting documents to verify the amounts, recipients and uses of all disbursements of funds passing in conjunction with the Agreement. The Agreement and all books, records and supporting documents related to the Agreement shall be available for review and audit by the City and the federal funding entity, if applicable, and the Contractor agrees to cooperate fully with any audit conducted by the City and to provide full access to all materials. Failure to maintain the books, records and supporting documents required by this Subsection shall establish a presumption in favor of the City for recovery of any funds paid by the City under the Agreement for which adequate books, records, and supporting documentation are not available to support their purported disbursement.

13 Successors and Assigns

13.1 The City and the Contractor each bind themselves and their partners, successors, executors, administrators, and assigns to the other party of the Agreement and to the partners, successors, executors, administrators, and assigns of such other party in respect to all covenants of this Agreement. Neither the City nor the Contractor shall assign, sublet, or transfer its interest in this Agreement without the written consent of the other. Nothing herein shall be construed as creating any personal liability on the part of any officer or agent of any public body, which may be a party hereto, nor shall it be construed as giving any right or benefits hereunder to anyone other than the City and the Contractor.

14 Force Majeure

14.1 Whenever a period of time is provided for in this Agreement for the Contractor or the City to do or perform any act or obligation, neither party shall be liable for any delays or inability to perform if such delay is due to a cause beyond its control and without its fault or negligence including, without limitation:

a) Acts of nature;
b) Acts or failure to act on the part of any governmental authority other than the City or Contractor, including, but not limited to, enactment of laws, rules, regulations, codes or ordinances subsequent to the date of this Agreement;
c) Acts or war;
d) Acts of civil or military authority;
e) Embargoes;
f) Work stoppages, strikes, lockouts, or labor disputes;
g) Public disorders, civil violence, or disobedience;
h) Riots, blockades, sabotage, insurrection, or rebellion;
i) Epidemics or pandemics;
j) Terrorist acts;
k) Fires or explosions;
l) Nuclear accidents;
m) Earthquakes, floods, hurricanes, tornadoes, or other similar calamities;
n) Major environmental disturbances; or
o) Vandalism.

If a delay is caused by any of the *force majeure* circumstances set forth above, the time

period shall be extended for only the actual amount of time said party is so delayed. Further, either party claiming a delay due to an event of *force majeure* shall give the other party written notice of such event within three (3) business days of its occurrence or it shall be deemed to be waived.

15 Amendments and Modifications

15.1 Except as otherwise provided herein, the nature and scope of Work specified in this Agreement may only be modified by a written Change Order, or a written amendment to this Agreement, approved by both parties. This Agreement may be modified or amended from time to time provided, however, that no such amendment or modifications shall be effective unless reduced to writing and duly authorized and signed by the authorized representatives of the parties.

16 Standard of Care & Warranty

16.1 The Contractor shall perform all of the provisions of this Agreement to the satisfaction of the City. The City shall base its determination of the Contractor's fulfillment of the scope of the work in accordance with generally accepted professional standards applicable to the Work for this Project. The Contractor shall perform all of the provisions of this Agreement with that degree of care and skill ordinarily exercised by members of the same profession currently practicing under similar conditions.

16.2 The Contractor shall be responsible for the accuracy of its professional services under this Agreement and shall promptly make revisions or corrections resulting from its errors, omissions, or negligent acts without additional compensation. The City's acceptance of any of the Contractor's professional services shall not relieve the Contractor of its responsibility to subsequently correct any such errors or omissions. If a Contractor has provided the City with specifications for this Project which are determined to be incorrect or which require revision during the solicitation process (including but not limited to Requests for Proposals, Requests for Qualifications, or bids), the Contractor shall make such corrections or revisions to the specifications at no cost to the City. Further, upon receipt of an invoice from the City, the Contractor shall promptly reimburse the City for the reasonable costs associated with the preparation and dissemination of said corrections or revisions to appropriate parties, including but not limited to preparation of the corrected or revised documents, and printing and distribution costs.

16.3 During the pendency of its Work on this Project, the Contractor shall respond to the City's notice of any errors or omissions within twenty-four (24) hours. The Contractor shall be required to promptly visit the Project site(s) if directed to by the City.

16.4 The Contractor shall comply with all federal, state, and local statutes, regulations, rules, ordinances, judicial decisions, and administrative rulings applicable to its performance under this Agreement.

16.5 Contractor guarantees and warrants to the City that:

a) All materials and equipment furnished under this Agreement shall be of good quality and new, unless otherwise required or permitted by the Contract Documents;
b) The Work of this Agreement shall be free from defects which are not inherent in the quality required; and
c) The Work shall comply with the requirements set forth in the Contract Documents.

This warranty and guarantee shall be for a period of one (1) year from the date of completion and Final Acceptance of the Work by the City, or as otherwise provided in the Contract Documents.

If, within the one year warranty period, after the Contractor has received a final payment under this Agreement, any of the Work is found to be not be in accordance with the requirements of this Agreement, or where defects in materials or workmanship may appear, or be in need of repair, the Contractor shall correct non-conforming and/or defective work or materials promptly after receipt of written notice from the City. Contractor shall immediately at its own expense repair, replace, restore, or rebuild any such Work. This remedy is in addition to any other legal or equitable remedies the City may have under this Agreement or the law.

This guarantee and warranty shall not relieve Contractor of liability for latent defects, and shall be in addition to the City's rights under the law or other guarantees or warranties, express or implied.

16.6 The provisions of this Section 16 shall survive the completion, expiration or termination of this Agreement.

17 Savings Clause

17.1 If any provision of this Agreement, or the application of such provision, shall be rendered or declared invalid by a court of competent jurisdiction, or by reason of its requiring any steps, actions, or results, the remaining parts or portions of this Agreement shall remain in full force and effect.

18 Non-Waiver of Rights

18.1 No failure or delay by the City to exercise any power given to it hereunder or to insist upon strict compliance by Contractor with its obligations hereunder, nor any payment made by the City under this Agreement, shall constitute a waiver of the City's right to demand strict compliance with the terms hereof, unless such waiver is in writing and signed by the City.

19 Entire Agreement

19.1 This Agreement sets forth all the covenants, conditions and promises between the parties with regard to the subject matter set forth herein. There are no covenants, promises, agreements, conditions or understandings between the parties, either oral or written, other than those contained in this Agreement. This Agreement has been negotiated and entered into by each

party with the opportunity to consult with its counsel regarding the terms therein. No portion of the Agreement shall be construed against a party due to the fact that one party drafted that particular portion as the rule of *contra proferentem* shall not apply.

20 Governing Law

20.1 This Agreement shall be construed in accordance with and subject to the laws and rules of the City of Evanston and the State of Illinois both as to interpretation and performance. Venue for any action arising out of or due to this Agreement shall be in Cook County, Illinois. The City shall not enter into binding arbitration to resolve any dispute related to this Agreement. The City does not waive tort immunity by entering into this Agreement.

21 Ownership of Contract Documents

21.1 Contractor is specifically prohibited from using in any form or medium, the name or logo of the City for public advertisement, unless expressly granted written permission by the City. Submission or distribution of documents to meet official regulatory requirements or for similar purposes in connection with this Project is not to be construed as publication in derogation of the City's reserved rights.

22 Notice

22.1 Any notice required to be given by this Agreement shall be deemed sufficient if made in writing and sent by certified mail, return receipt requested, or by personal service, to the persons and addresses indicated below or to such other addresses as either party hereto shall notify the other party of in writing pursuant to the provisions of this Subsection:

City of Evanston Project Manager, Bid 25-10 _____
2100 Ridge Avenue
Evanston, Illinois 60201

if to the Contractor:

_____
_____
_____

22.2 Mailing of such notice as and when provided above shall be equivalent to personal notice and shall be deemed to have been given at the time of mailing.

23 Severability

23.1 Except as otherwise provided herein, the invalidity or unenforceability of any particular provision, or part thereof, of this Agreement shall not affect the other provisions, and this Agreement shall continue in all respects as if such invalid or unenforceable provision had not been contained herein.

24 Execution of Agreement

24.1 This Agreement shall be signed last by the City Manager.

25 Counterparts

25.1 For convenience, this Agreement may be executed in any number of counterparts, each of which shall be deemed to be an original.

26 Authorizations

26.1 The Contractor's authorized representatives who have executed this Agreement warrant that they have been lawfully authorized by the Contractor's board of directors or its bylaws to execute this Agreement on its behalf. The City Manager affirms that he/she has been lawfully authorized to execute this Agreement. The Contractor and the City shall deliver upon request to each other copies of all articles of incorporation, bylaws, resolutions, ordinances, or other documents which evidence their legal authority to execute this Agreement on behalf of their respective parties.

27 Time of Essence

27.1 Time is of the essence with respect to each provision hereof in which time is a factor.

IN WITNESS WHEREOF, the parties hereto have caused this Agreement to be signed by their duly authorized representatives. The effective date of this Agreement will be the date this Agreement is signed by the City Manager.

CONTRACTOR

By: _____

Name:

_____

Its: _____

Date: _____

CITY OF EVANSTON

By: _____
Luke Stowe
Its: City Manager Date: _____

Approved as to form:

By: _____
Alexandra B. Ruggie
Its: Corporation Counsel

Revision: April 2021

EXHIBIT N

EXHIBIT O

BID BOND SUBMITTAL LABEL

CUT AND ATTACH LABEL ON OUTSIDE OF SEALED BID BOND SUBMITTAL

✂----------

BID SUBMITTAL NUMBER: _____

BID SUBMITTAL NAME: _____

_____

BID SUBMITTAL DUE DATE/TIME: _____

COMPANY NAME: _____

COMPANY ADDRESS: _____

COMPANY TELEPHONE #: _____

✂----------

If required by the bid documents, a scanned copy of the bid bond must be included with the bid electronic submission. The City is currently not able to accept a certified check, bank cashier's check or electronic bid bond at this time.

The original bid bond (in the amount of 5% of the original bid amount) must be mailed within ten (10) days after the bid due date, to the City of Evanston Purchasing Department, 2100 Ridge Avenue - Room 4200 Evanston, Illinois 60201 Attention Purchasing Manager using the USPS (certified or priority), UPS or FedEx mail options in order to have a tracking number; which sum shall be forfeited in case the successful bidder fails to enter into a binding contract and provide a properly executed contract and surety bond within 15 days after the date the contract is awarded by the City

EXHIBIT P
PAYMENT BOND

KNOW ALL MEN BY THESE PRESENTS: that

_____
(Name of Contractor)

_____
(Address of Contractor)

a _____, hereinafter called Principal, and
(Corporation, Partnership, or Individual)

_____
(Name of Surety)

_____
(Address of Surety)

hereinafter called SURETY, are held and firmly bound unto:

City of Evanston
2100 Ridge Avenue
Evanston, IL 60201

hereinafter called OWNER, in the penal sum of _____ dollars, ($_____) in lawful money of the United States, for the payment of which sum well and truly to be made, we bind ourselves, successors, and assigns, jointly and severally, firmly by these presents.

THE CONDITION OF THIS OBLIGATION is such that whereas, the Principal entered into a certain contract with the OWNER, dated the _____ day of _____, 20_____, a copy of which is hereto attached and made a part hereof for the construction of the 2025 Prioritized Watermain and Lead Water Service Line Replacement Project (Bid 25-10), which includes the installation of ductile iron water main pipe ranging from 6-inch to 10-inch diameter in size, installation of combined and storm sewer 8-inch diameter, public, full, and private lead water service pipe replacements, public water service replacements (not lead) to accommodate the work, related appurtenances, concrete curb and sidewalk repairs, pavement patching, asphalt resurfacing, parkway restoration, private side restoration (full lead water service pipe and private side replacements), and all materials, labor, equipment, and incidental work.

NOW, THEREFORE, if the Principal shall promptly make payment to all persons, firms, SUBCONTRACTORS, and corporations furnishing materials for or performing labor in the prosecution of the WORK provided for in such contract, and any authorized extension or modification thereof, including all amounts due for materials, lubricants, oil, gasoline, coal and coke, repairs on machinery, equipment and tools, consumed or used in connection with the construction of such WORK, and all insurance premiums on said WORK, and for all labor, performed in such WORK whether by SUBCONTRACTOR or

otherwise, then this obligation shall be void; otherwise to remain in full force and effect. PROVIDED, FURTHER, that the said Surety for value received hereby stipulates and agrees that no change, extension of time, alteration or addition to the terms of the contract or to the WORK to be performed hereunder or the SPECIFICATIONS accompanying the same shall in any wise affect its obligation on this BOND, and it does hereby waive notice of any such change, extension of time, alteration or addition to the terms of the contract or to the WORK or to the SPECIFICATIONS.

PROVIDED, FURTHER, that no final settlement between the OWNER and the CONTRACTOR shall abridge the right of any beneficiary hereunder, whose claim may be unsatisfied.

IN WITNESS WHEREOF, this instrument is executed in _____ counterparts, each one of which shall be deemed an original, this the _____ day of _____ 20_____.

PRINCIPAL:

_____

By _____

Name _____

Title _____

(SEAL)
ATTEST:

_____

Name _____

Title _____

SURETY:

_____

By _____

Name _____

Address _____

_____

(SEAL)
ATTEST:

_____

Name _____

_____

NOTE: Date of BOND must not be prior to date of Contract. If CONTRACTOR is Partnership, all partners should execute BOND. IMPORTANT: Surety companies executing BONDS must appear on the Treasury Department's most current list (Circular 570 as amended) and be authorized to transact business in the state where the PROJECT is located

EXHIBIT Q
PERFORMANCE BOND

KNOW ALL MEN BY THESE PRESENTS: that

_____
(Name of Corporation)

_____
(Address of Corporation)

a _____ hereinafter called Principal, and
(Corporation, Partnership, or Individual)

_____
(Name of Surety)

_____
(Address of Surety)

hereinafter called Surety, are held and firmly bound unto:

City of Evanston
2100 Ridge Avenue
Evanston, IL 60201

hereinafter called OWNER, in the penal sum of _____

_____ dollars, ($_____) in lawful money of the United States, for the payment of which sum well and truly to be made, we bind ourselves, successors, and assigns, jointly and severally, firmly by these presents.

THE CONDITION OF THIS OBLIGATION is such that whereas, the Principal entered into a certain contract with the OWNER, dated the _____ day of _____, 20____, a copy of which is hereto attached and made a part hereof for the construction of the 2025 Prioritized Watermain and Lead Water Service Line Replacement Project (Bid 25-10), which includes the installation of ductile iron water main pipe ranging from 6-inch to 10-inch diameter in size, installation of combined and storm sewer 8-inch diameter, public, full, and private lead water service pipe replacements, public water service replacements (not lead) to accommodate the work, related appurtenances, concrete curb and sidewalk repairs, pavement patching, asphalt resurfacing, parkway restoration, private side restoration (full lead water service pipe and private side replacements), and all materials, labor, equipment, and incidental work.

NOW, THEREFORE, if the Principal shall well, truly and faithfully perform its duties, all the undertakings, covenants, terms, conditions, and agreements of said contract during the original term thereof, and any extensions thereof which may be granted by the OWNER, with or without notice to the Surety and during the one year guaranty period, and if he shall satisfy all claims and demands incurred under such contract, and shall fully indemnify and save harmless the OWNER from all costs and damages which it may suffer by reason of failure to do so, and shall reimburse and repay the OWNER all outlay and expense which the OWNER may incur in making good any default, then this obligation shall be void; otherwise to remain in full force and effect.

PROVIDED, FURTHER, that the said surety, for value received hereby stipulates and agrees that no change, extension of time, alteration or addition to the terms of the contract or to WORK to be performed hereunder or the SPECIFICATIONS accompanying the same shall in any wise affect its obligation on this BOND, and it does hereby waive notice of any such change, extension of time, alteration or addition to the terms of the contract or to the WORK or to the SPECIFICATIONS.

PROVIDED, FURTHER, that no final settlement between the OWNER and the CONTRACTOR shall abridge the right of any beneficiary hereunder, whose claim may be unsatisfied.

IN WITNESS WHEREOF, this instrument is executed in _____ counterparts, each one of which shall be deemed an original, this the _____ day of _____, 20 _____.

PRINCIPAL:

_____

By _____

Name _____

Title _____

(SEAL)
ATTEST:

_____

Name _____

Title _____

SURETY:

_____

By _____

Name _____

Address _____

_____

(SEAL)
ATTEST:

_____

Name _____

_____

NOTE: Date of BOND must not be prior to date of Contract.
If CONTRACTOR is Partnership, all partners should execute BOND.
IMPORTANT: Surety companies executing BONDS must appear on the Treasury Department's most current list (Circular 570 as amended) and be authorized to transact business in the state where the PROJECT is located.

EXHIBIT R

CERTIFICATION REGARDING DEBARMENT, SUSPENSION, AND OTHER RESPONSIBILITY MATTERS

EPA Project Control #

_____

United States Environmental Protection Agency
Washington, DC 20460

Certification Regarding Debarment, Suspension and Other Responsibility Matters

The prospective participant to the best of its knowledge and belief that it and its principles:

(a) Are not presently debarred, suspended, proposed for debarment, declared ineligible, or voluntarily excluded from covered transactions by any Federal department or agency;
(b) Have not within a three year period preceding this proposal be convicted of or had a civil judgment rendered against them for commission of fraud or a criminal offense in connection with obtaining, attempting to retain, or performing a public (Federal, State or Local) transaction or contract under a public transaction: violation of Federal or State antitrust statutes or commission of embezzlement, theft, forgery, bribery, falsification or destruction of records, making false statements, or receiving stolen property.
(c) Are not presently indicted for or otherwise criminally or civilly charged by a government entity (Federal, State or Local) with commission of any of the offenses enumerated in paragraph (1) (b) of this certification; and
(d) Have not within a three-year period preceding this application/proposal had one or more public transactions (Federal, State or Local) terminated for cause or default.

I understand that a false statement on this certification may be ground for rejection of this proposal or termination of the award. In addition, under 18 USC Sec. 1001 a false statement may result in fine of up to $10,000 or imprisonment for up to 5 years, or both.

_____
(Typed Name & Title of Authorized Representative)

_____
(Signature of Authorized Representative) (Date)

☐ I am unable to certify the above statements. My explanation is attached.
EPA Form 5700-49 (11-88)

Instructions

Under executive order 12549, an individual or organization debarred or excluded from participation in Federal assistance or benefit programs may not receive any assistance award under a Federal program or subprogram hereunder for $25,000 or more.

Accordingly, each prospective recipient of an EPA grant, loan, or cooperative agreement and any contract or sub-agreement participant hereunder must complete the attached certification or provide an explanation why they cannot. For further details see 40CRF 32.510. Participants' responsibilities, in the attached regulation.

Where to Submit
The prospective EPA grant, loan or cooperative agreement recipient must return the signed certification or explanation with its application to the appropriate EPA Headquarters or Regional Office, as required in the application instructions.

A prospective prime contractor must submit a completed certification or explanation to the individual or organization awarding the contract.

Each prospective subcontractor must submit a completed certification or explanation to the prime contractor for the project.

How to Obtain Forms:
EPA includes the certification form, instructions, and a copy of its implementing regulation (40 CRF Part 32) in each application kit. Applicants may reproduce these materials as needed to provide them to their prospective prime contractor, who, in turn may reproduce and provide them to prospective subcontractors.

Additional copies/assistance may be requested from:

Compliance Branch
Grants Administration Division (PM-216F)
U.S. Environmental Protection Agency
401 M Street, SW
Washington, DC 20460
(Telephone: 202-475-8025)

EPA FORM 5700-49 (11-88)

EXHIBIT S

NOTICE OF INTENT TO AWARD

To: _____

_____

_____

Project Description: 2025 PRIORITIZED WATERMAIN AND LEAD WATER SERVICE LINE REPLACEMENT PROJECT(Bid 25-10).

The OWNER has considered the BID submitted by you for the above described WORK, in response to its Advertisement for Bids, dated DATE FEBRUARY 6, 2025_____ and Information for Bidders.

You are hereby notified that your BID will be accepted, contingent upon Illinois Environmental Protection Agency (IEPA) approval, for items in the amount of _____.

You will be required by the Information for Bidders to execute the Agreement and furnish the required CONTRACTOR'S Performance BOND, Payment BOND and insurance documentation within ten (10) calendar days from the date of the Notice of Award, to be sent upon IEPA approval, to you.

Dated this _____ day of _____, 20____.

_____

OWNER

By: _____

Title: _____

EXHIBIT T

NOTICE OF AWARD

To: _____

_____

_____

_____

Project Description: 2025 PRIORITIZED WATERMAIN AND LEAD WATER SERVICE LINE REPLACEMENT PROJECT Project (Bid 25-10).

The OWNER has considered the BID submitted by you for the above described WORK in response to its Advertisement for Bids dated February 6, 2025 and Instructions to Bidders.

You are hereby notified that your BID has been accepted for items in the amount of $_____.

You are required by the Instructions to Bidders to execute the Agreement and furnish the required CONTRACTOR'S Performance BOND, Payment BOND and certificates of insurance within ten (10) calendar days from the date of this Notice to you.

If you fail to execute said Agreement and to furnish said BONDS and insurance documentation within ten (10) days from the date of this Notice, said OWNER will be entitled to consider all your rights arising out of the OWNER'S acceptance of your BID as abandoned and as a forfeiture of your BID BOND. The OWNER will be entitled to such other rights as may be granted by law.

You are required to return an acknowledged copy of this NOTICE OF AWARD to the OWNER.

Dated this _____ day of _____, 20_____.

_____
(Owner)

By _____

Title _____

ACCEPTANCE OF NOTICE

Receipt of the above NOTICE OF AWARD is hereby acknowledged,

By_____,

This the _____ day of _____, 20____.

By_____

Title_____

EXHIBIT U
NOTICE TO PROCEED

To:_____ Date: _____

_____

Project: 2025 PRIORITIZED WATERMAIN AND LEAD WATER SERVICE LINE REPLACEMENT PROJECT
(Bid 25-10)

_____

_____

You are hereby notified to commence WORK in accordance with the Agreement dated _____, 20____, on or before _____, 20____, and you are to complete the work within 160 consecutive calendar days thereafter.

The date of completion of all WORK is therefore _____, 20 ____.

_____
(Owner)

By _____

Title _____

ACCEPTANCE OF NOTICE

Receipt of the above NOTICE TO PROCEED is hereby acknowledged by _____

_____,

this the ____day of _____, 20 ____.

By _____

Title _____

EXHIBIT V

BIDDER CERTIFICATION REGARDING USE OF
IRON, STEEL, MANUFACTURED PRODUCTS, AND CONSTRUCTION MATERIALS
PRODUCED IN THE UNITED STATES (BUILD AMERICA, BUY AMERICA ACT)

I, _____, do hereby certify that:
Name

1. I am _____of _____ and have authority to
Title Name of Firm
execute this certification on behalf of the firm.

2. I am aware that all iron, steel, manufactured products, and construction materials used for this project must be produced in the United States per the federal Build America, Buy America Act (BABA) signed by President Biden on November 15, 2021. Pub. L No. 117-58, §§ 70901-52.

3. I understand the term “iron and steel products” refers to the following products made primarily of iron or steel: lined or unlined pipes and fittings manhole covers and other municipal castings, hydrants, tanks, flanges, pipe clamps and restraints, valves, structural steel, reinforced precast concrete, and construction materials.

4. I understand that all manufactured products used in the project must be produced in the United States. This means the manufactured product was manufactured in the United States, and the cost of the components of the manufactured product that are mined, produced, or manufactured in the United States is greater than 55 percent of the total cost of all components of the manufactured product.

5. I acknowledge that all construction materials for this project must be manufactured in the United States. This means all manufacturing processes for the construction materials occurred in the United States.

6. I am aware that this requirement applies to all portions of the project that are subcontracted.

Name of Company _____

Signature _____

Title _____

Date _____

Corporate Seal (where appropriate)

Requirements Specific to Buy America, Build America Act (BABA)

On November 15, 2021, President Biden signed into law the Infrastructure Investment and Jobs Act ("IIJA"), Pub. L. No. 117-58, which includes the Build America, Buy America Act ("BABA"). The purpose of BABA is to ensure that federally funded infrastructure projects only utilize iron, steel, manufactured products, and construction materials produced in the United States. The requirement to use products produced in the United States applies to all projects for the construction, alteration, maintenance, or repair of publicly owned treatment works (POTW) or public water systems. Since Illinois' Clean Water State Revolving Fund (CWSRF) and Drinking Water State Revolving Fund (DWSRF) utilize federal funds, loan recipients must use iron, steel, manufactured products, and construction materials that are produced in the United States. Guidance is available on USEPA's website: https://www.epa.gov/cwsrf/build-america-buy-america-baba. Waivers from the requirements are available under certain circumstances. BABA requires the following:

1. All iron and steel used in the project are produced in the United States. This means all manufacturing processes, from the initial melting stage through the application of coatings, occurred in the United States.
2. All manufactured products used in the project are produced in the United States. This means the manufactured product was manufactured in the United States, and the cost of the components of the manufactured product that are mined, produced, or manufactured in the United States is greater than 55 percent of the total cost of all components of the manufactured product, unless another standard for determining the minimum amount of domestic content of the manufactured product has been established under applicable law or regulation.
3. All construction materials are manufactured in the United States. This means that all manufacturing processes for the construction material occurred in the United States.

BABA only applies to items that are consumed in, incorporated into, or affixed to an infrastructure project. It does not apply to tools, equipment, and supplies, such as temporary scaffolding, brought to the construction site and removed at project completion. BABA does not apply to equipment and furnishings, such as movable chairs, desks, and portable computer equipment, that are used at or within the finished infrastructure project but are not an integral part of or permanently affixed to the structure. BABA requirements apply to an entire infrastructure project, even if it is funded by both Federal and non-Federal funds under one or more awards.

Construction Materials includes an article, material, or supply that consists primarily of:

- non-ferrous metals;
- plastic and polymer-based products including polyvinylchloride, composite building materials, and polymers used in fiber optic cables;
- glass including optic glass;
- lumber; or

- drywall.

Construction Materials does NOT include items made primarily of iron or steel; manufactured products; cement and cementitious materials; aggregates such as stone, sand, or gravel; or aggregate binding agents or additives.

Requirements Specific to Iron and Steel
The existing American Iron and Steel (AIS) Requirements will continue as part of BABA. An iron or steel product is one of the items listed below and is made primarily of iron or steel that is permanently incorporated into the public water system or treatment works.

- Pipes (lined or unlined) and pipe fittings
- Pipe clamps and restraints
- Valves
- Structural steel
- Manhole Covers and other municipal castings such as valves boxes, drainage grates, bollards, etc.
- Construction materials such as trusses, wire, grating, wire, ductwork, fence tubing, wall panels, etc.
- Hydrants
- Flanges
- Tanks
- Reinforced precast concrete

For one of the listed iron or steel products to be considered subject to the BABA requirements, it must be made of greater that 50% iron or steel, measured by the material costs. "Steel" means an alloy that includes at least 50 percent iron, between .02 and 2 percent carbon, and may include other elements. Metallic elements such as chromium, nickel, molybdenum, manganese, and silicon may be added during the melting of steel for the purpose of enhancing properties such as corrosion resistance, hardness, or strength. The definition of steel covers carbon steel, alloy steel, stainless steel, tool steel and other specialty steels. AIS Guidance is available at: https://epa.illinois.gov/topics/grants-loans/state-revolving-fund/guidance/american-iron-and-steel-requirements.html

Recordkeeping and Documenting the Country of Origin for Iron, Steel, Manufactured Products, & Construction Materials used in Loan Funded Projects

Loan recipients with assistance from their general contractor must be able to verify that products used in their projects comply with the BABA requirements. USEPA recommends loan recipients use a "Step Certification" process to ensure that producers adhere to the BABA requirements. Step certification is a process under which each handler (supplier, fabricator, manufacturer, etc.) of the iron, steel, manufactured products, or construction materials certifies that their step in the process was domestically performed. Each time a step in the manufacturing process takes place, the manufacturer delivers its work along with a certification of its origin.

A certification can be quite simple if it includes the name of the manufacturer, the location of the manufacturing facility (not company headquarters), a description of the product or item being delivered, and a signature by a manufacturer's responsible party. Certification could be achieved by other methods such as requiring the final manufacturer, who delivers the products to the worksite, to provide certification that all manufacturing processes occurred in the US. While this type of certification is easier and acceptable, it may not provide the same degree of assurance and additional documentation may be needed. USEPA auditors recommend keeping records of when and where the products were delivered. Records from the manufacturer should refer to specific items such as pipes, valves, meters. Try to avoid records containing broad statements such as, "All products delivered were USA made".

Regardless of the method, documents regarding the country of origin for all covered items should be collected and maintained by the loan recipients. Having a good paper trail is invaluable during an inspection or audit.

Sample Certification Letter

Below is a sample step certification letter for BABA compliance. The completed letter is provided to the construction contractor or loan applicant by the supplier, fabricator, manufacturer, etc. of covered products. Documentation must be provided on company letterhead

Company Letterhead

Date

Company Name
Company Address
City, State, Zip

Subject: Build America, Buy America Act Step Certification for Project (Identify Project Here xxx)

I, (company representative), certify that the (melting, bending, coating, galvanizing, cutting, etc.) process for (manufacturing or fabricating) the following products and/or materials shipped or provided for the subject project are in full compliance with the federal Build America, Buy America Act requirements as required in EPA's State Revolving Fund Programs.

Item, Products, and/or Materials:

1. XXX
2. XXX
3. XXX

Such process took place at the following location (City and State must be included):

If any of the above compliance statements change while providing material for this project, we will immediately notify the prime contractor and the engineer.

Signed by Company Representative

Name Clearly Typed

EXHIBIT V

EXHIBIT W
BID BOND

KNOW ALL MEN BY THESE PRESENTS, that we, the undersigned, _____ as Principal, and _____as Surety, are hereby held and firmly bound unto the City of Evanston as OWNER in the penal sum of _____ for the payment of which, well and truly to be made, we hereby jointly and severally bind ourselves, successors and assigns.

Signed, this _____ day of _____, 20 _____.

The Condition of the above obligation is such that whereas the Principal has submitted to _____ a certain BID, attached hereto and hereby made a part hereof to enter into a contract in writing, for the construction of the 2025 Prioritized Watermain and Lead Water Service Line Replacement Project (Bid 25-10), which includes the installation of ductile iron water main pipe ranging from 6-inch to 10-inch diameter in size, installation of combined and storm sewer 8-inch diameter, public, full, and private lead water service pipe replacements, public water service replacements (not lead) to accommodate the work, related appurtenances, concrete curb and sidewalk repairs, pavement patching, asphalt resurfacing, parkway restoration, private side restoration (full lead water service pipe and private side replacements), and all materials, labor, equipment, and incidental work.

NOW, THEREFORE,

(a) If said BID shall be rejected, or

(b) If said BID shall be accepted and the Principal shall execute and deliver a contract in the Form of Contract attached hereto (properly completed in accordance with said BID) and shall furnish a BOND for his faithful performance of said contract, and for the payment of all persons performing labor or furnishing materials in connection therewith, and shall in all other respects perform the agreement created by the acceptance of said BID, then

this obligation shall be void, otherwise the same shall remain in force and effect; it being expressly understood and agreed that the liability of the Surety for any and all claims hereunder shall, in no event, exceed the penal amount of this obligation as herein stated.

The Surety, for value received, hereby stipulates and agrees that the obligations of said Surety and its BOND shall be in no way impaired or affected by any extension of the time within which the OWNER may accept such bid; and said Surety does hereby waive notice of any such extension.

IN WITNESS WHEREOF, the Principal and the Surety have hereunto set their hands and seals, and such of them as are corporations have caused their corporate seals to be hereto affixed and these presents to be signed by their proper officers, the day and year first set forth above.

_____ (L.S.)
Principal

_____
Surety

By: _____

IMPORTANT – Surety companies executing BONDS must appear on the Treasury Department's most current list (Circular 570 as amended) and be authorized to transact business in the state where the project is located.

EXHIBIT X

BIDDER CERTIFICATION REGARDING COMPLIANCE WITH ARTICLE 33E-11
"CRIMINAL CODE OF 2012"

I _____, do hereby certify that:
Name

1. I am _____ of the _____
Position Firm
and have authority to execute this certification on behalf of the firm;

2. This firm is not barred from bidding on this contract due to either a Bid-rigging or Bid Rotating violation as set forth in Article 33E-11 to the "Illinois Criminal Code of 2012." [720 ILCS 55/33E-11]

Name of Firm _____

Signature _____

Title _____

Date _____

Corporate Seal (where appropriate)

On this _____ day of _____20_____, before me appeared

_____ (Name) to me personally known, who, being duly sworn, did execute the foregoing affidavit, and did state that he or she was properly authorized by _____ (Name of Firm) to execute the affidavit and did so as his or her free act and deed.

Notary Public _____

Commission Expires _____

Notary Seal

EXHIBIT Y
CHANGE ORDER FORM

Order No. _____
Date: _____
Agreement Date: _____

PROJECT: _____

OWNER: _____

CONTRACTOR: _____

The following changes are hereby made to the **AGREEMENT:**

Change to **CONTRACT PRICE:**

Original **CONTRACT PRICE:**	$ _____
Current **CONTRACT PRICE** adjusted by previous **CHANGE ORDERS**	$ _____
Total change in **CONTRACT PRICE** for this **CHANGE ORDER** No. _____	$ _____
The **CONTRACT PRICE** including this **CHANGE ORDER** will be	$ _____
Original Date for Contract Completion	_____
Modified Date for Contract Completion	_____

Recommended by (Engineer): _____ Date _____

Accepted by (Contractor): _____ Date _____

Approved by (Owner): _____ Date _____
City of Evanston

EXHIBIT Z

ILLINOIS WORKS JOBS PROGRAM ACT – APPRENTICESHIP INITIATIVE

Summary: The Illinois Works Jobs Program Act, 30 ILCS 559/Art. 20, is a statewide initiative to ensure that all Illinois residents have access to State capital projects and careers in the construction industry and building trades and to provide contracting and employment opportunities to historically underrepresented populations in the construction industry. This will be accomplished through three programs created by the Illinois Works Jobs Program Act: the Illinois Works Apprenticeship Initiative, the Illinois Works Pre-Apprenticeship Program, and the Illinois Works Bid Credit Program. Additional information is available at the following website: https://www2.illinois.gov/dceo/WorkforceDevelopment/Pages/IllinoisWorksJobsProgramAct.aspx.

The goal of the Illinois Works Apprenticeship Initiative ("10% apprenticeship goal") is that for projects estimated to cost $500,000 or more, apprentices will perform either 10% of the total labor hours actually worked in each prevailing wage classification or 10% of the estimated labor hours in each prevailing wage classification, whichever is less. The 10% apprenticeship goal applies to projects being paid for in whole or in part by appropriated capital funds to construct a public work either through a contract or grant issued by a State agency. A determination was made that this requirement also applies to IEPA loans. The $500,000 threshold applies to the total project cost and NOT the total cost or value of an individual construction contract.

Certification: Apprentices are required to be U.S. Dept. of Labor certified (not limited to pre-apprentice program graduates).

Applicability

If a project is estimated to received $500,000 or more of State Capital Funding for the Project:

If the state's contribution to the project amount equals 50% or more of the cost for the project, the 10% apprenticeship requirement applies to all prevailing wage eligible work performed by contractors on the public works project.

If the state's contribution to the project is less than 50% of the cost for the project, the 10% apprenticeship requirement applies only to prevailing wage eligible work being funded from state funds.

The Project has less than $500,000 of State Capital Funding, but the Total Estimated Project Cost is $500,000 or more:

If the state's contribution to the project amount equals 50% or more of the estimated cost for the project, the 10% apprenticeship requirement applies to all prevailing

wage eligible work performed bycontractors on the public works project.

If the state's contribution to the project is less than 50% of the estimated cost for the project, the 10%apprenticeship requirement does not apply.

Total Estimated Project Cost is less than $500,000: The 10% apprenticeship requirement does not apply. The $500,000 threshold applies to the total project cost and NOT the total cost or value of anindividual construction contract.

Waivers from the Requirements: If goals cannot be met, the state has discretion to grant waivers, reductions or to hold public hearings on the issue. Factors to be considered include the scale of theproject and whether the contractor or subcontractor seeking the action has previously requested reductions or waivers. A waiver form is available on the IEPA website at: https://www2.illinois.gov/epa/Documents/epa-forms/water/financial-assistance/apprenticeship/Waiver-Request.pdf. The form can also be obtained from DCEO.

Reporting: An example quarterly reporting form is attached. A fillable version is available on the IEPAwebsite. Contractors should coordinate with the loan applicant and their consultant for further instructions regarding these forms. Loan applicants are ultimately responsible for reporting quarterlylabor hours to the state, but coordination with their contractor is essential. All loan funded projects are subject to payment of Davis Bacon wages.

For general apprenticeship questions, please contact the Illinois Works Office at: CEO.ILWorks@Illinois.gov.

Illinois Works Apprenticeship Initiative
Periodic Grantee Report

Organization Name		FEIN Number		DUNS Number	
Grant Awarding Agency	IEPA - Loan Department	Project Start Date		Project End Date	
Grant Number	Loan No.	Estimated Total Project Costs		Estimated Total State Contribution	

Applicable Apprenticeship Goal (Select all that apply):

☐ 10% total project cost ☐ 10% total state contribution only

☐ Waiver Approved by IL DCEO IL DCEO Waiver Approval Date

(If a waiver was granted for any prevailing wage classification, the Grantee does not need to report on those classifications on this form.)

☐ Reduction Approved by IL DCEO IL DCEO Reduction Approval Date

(If selected, enter the applicable prevailing wage classification(s) and approved reduced percentage(s).)

Prevailing Wage Classification	Reduced Percentage

Reporting Period:

Period Start Date Period End Date

Illinois Works Apprenticeship Initiative
Periodic Grantee Report

Please provide information in this chart for the entire project if the apprenticeship goal applies to the entire project. Provide information foronly the state contribution if the apprenticeship goal applies only to state appropriated capital funds.

Prevailing Wage Classification	Total Hours for Classification inReporting Period	Total Apprenticeship Hours for Classification in Reporting Period	% of Apprenticeship Hours	Total Hours for Classification YTD	Total Apprenticeship Hours YTD	% of Apprenticeship Hours YTD

EXHIBIT Z

Illinois Works Apprenticeship Initiative
Periodic Grantee Report

EXHIBIT Z

STATE OF ILLINOIS

City of Evanston

CONTRACT SPECIFICATIONS

For

2025 PRIORITIZED WATERMAIN AND LEAD WATER SERVICE LINE REPLACEMENT PROJECT

CITY OF EVANSTON

SPECIAL PROVISIONS

2025 PRIORITIZED WATERMAIN AND LEAD WATER SERVICE LINE REPLACEMENT PROJECT

TABLE OF CONTENTS

PROJECT DESCRIPTION 4

COMPLETION DATES 4

MATERIAL TESTING/INSPECTION 5

DEFINITION OF TERMS 5

ADVERTISEMENT, BIDDING, AWARD AND CONTRACT EXECUTION 7

SCOPE OF WORK 8

CONTROL OF WORK 8

LEGAL RELATIONS AND RESPONSIBILITY TO PUBLIC 11

PROSECUTION AND PROGRESS 19

MEASUREMENT AND PAYMENT 22

SUBMITTALS 25

SAW CUTS 29

CLEARING, TREE REMOVAL AND PROTECTION, CARE AND REPAIR OF EXISTING PLANT MATERIALS 29

DISPOSAL OF EXCAVATED MATERIAL 34

TRENCH BACKFILL 34

TOPSOIL FURNISH AND PLACE 36

EXPLORATION TRENCHES 36

SODDING 37

SUBBASE GRANULAR MATERIAL, TYPE B 38

INCIDENTAL HOT-MIX ASPHALT SURFACING 39

PORTLAND CEMENT CONCRETE DRIVEWAY PAVEMENT 39

PORTLAND CEMENT CONCRETE SIDEWALK 40

HOT-MIX ASPHALT SURFACE REMOVAL, VARIABLE DEPTH 41

PAVEMENT PATCHING 42

STORM (COMBINED) SEWERS 43

WATER MAIN 51
WATER SERVICE LINE 64
ADJUSTING SANITARY SEWERS AND WATER SERVICE LINES 73
REMOVING FIRE HYDRANTS 75
CATCH BASIN, MANHOLE, INLET, DRAINAGE STRUCTURE AND VALVE VAULT CONSTRUCTION, ADJUSTMENT AND RECONSTRUCTION 76
FRAMES AND LIDS TO BE ADJUSTED, SPECIAL 79
ADJUSTING FRAMES AND GRATES OF DRAINAGE AND UTILITY STRUCTURES 79
FRAMES AND GRATES 79
REMOVING OR FILLING (ABANDONING) EXISTING MANHOLES, CATCH BASINS AND INLETS 80
CONCRETE GUTTER, CURB, MEDIAN, AND PAVED DITCH 81
TRAFFIC CONTROL AND PROTECTION 83
CONSTRUCTION LAYOUT 83
STREET SWEEPING 83
ENVIRONMENTAL CONTROL 84
BRICK SIDEWALK REMOVE AND RESET 85
LEAD-BASED PAINT AND ASBESTOS MATERIALS REMEDIATION ALLOWANCE 86
LANDSCAPING ALLOWANCE 86
ELECTRICAL GROUNDING ALLOWANCE 86
SPEED HUMPS COMPLETE 87

APPENDIX 1 OF BID DOC 25-10: VITON GASKET SPECIFICATION
APPENDIX 2 OF BID DOC 25-10: ENVIRONMENTAL REPORT – HARTREY AVE
APPENDIX 3 OF BID DOC 25-10: ENVIRONMENTAL REPORT – BROWN AVE
APPENDIX 4 OF BID DOC 25-10: GEOTECHNICAL REPORTS
APPENDIX 5 OF BID DOC 25-10: 2025 PRIORITIZED WATERMAIN AND LEAD WATER SERVICE LINE REPLACEMENT PROJECT LOCATION MAP
APPENDIX 6 OF BID DOC 25-10: PRIVATE SIDE WATER SERVICE LINE REPLACEMENT DETAIL

CITY OF EVANSTON
SPECIAL PROVISIONS

The following Special Provisions supplement the "Standard Specifications for Road and Bridge Construction", Adopted January 1, 2022, (herein after called "the Standard Specifications"), the latest edition of the "Watershed Management Ordinance" of the Metropolitan Water Reclamation District of Greater Chicago, the latest edition of the "Standard Specifications for Water and Sewer Construction in Illinois", the latest edition of the "Manual of Uniform Traffic Control Devices for Streets and Highways", and the "Manual of Test Procedures of Materials" in effect on the date of invitation of bids, and the Supplemental Specifications and Recurring Special Provisions which apply to the govern the construction of,

2025 PRIORITIZED WATERMAIN AND LEAD WATER SERVICE LINE REPLACEMENT PROJECT

and in case of conflict with any part, or parts, of said Specifications, the said Special Provisions shall take precedence and shall govern.

PROJECT DESCRIPTION
Work on this project includes the installation of ductile iron water main pipe ranging from 6-inch to 10-inch diameter in size, installation of combined and storm sewer 8-inch diameter in size, public, full, and private lead water service pipe replacements, partial water service replacements (not lead) to accommodate the work, related appurtenances, concrete curb and sidewalk repairs, pavement patching, HMA street resurfacing, parkway restoration, private side restoration (full and private lead water service pipe replacements only), and all materials, labor, equipment, and incidental work.

COMPLETION DATES
A contract is anticipated to be awarded by the City of Evanston on May 28, 2025 and shall be completed as follows and in accordance with Article 561.08 Sequence of Work as modified herein by the Special Provisions for Water Main. Final project completion will be in 160 Calendar Days.

All water main installation shall be complete up through and including the pressure test as described in Article 561.08 before work may commence on a subsequent Phase unless otherwise noted or as directed by the Engineer. Trench patching and street resurfacing will be completed separately for each phase and must immediately follow the completion of underground work. Preliminary tree work may be completed on all phases simultaneously.

PHASING OF WORK:

Phase 1 – Substantial Completion: 65 Working Days After Notice to Proceed

a. Hartrey Avenue from Church Street to Emerson Street
b. Brown Avenue from Foster Street to Simpson Street

Phase 2 – Substantial Completion: 65 Working Days After Phase 1 Substantial Completion

a. Prioritized Lead Water Service Line Replacements will be performed at the following locations. Map of Prioritized locations is attached as Exhibit D and further details below:

Street Name	Number of Water Services
• Lemar from Lyons to Emerson	29
• Foster from Emerson to Hartrey	24
• Laurel from Lyons to Emerson	24
• Grey from Church to Emerson	34
• Hovland from Church to Emerson	29
• Dodge from Church to Simpson	72
• Darrow from Church to Lyons	11
• Lyons East of Darrow	24

Dodge (From Church to Simpson): Traffic flow shall be maintained on both lanes of traffic. Dodge Avenue shall not be closed to thru traffic. No work shall be performed on other streets when replacing water services on Dodge Avenue. Local traffic on all other streets listed above shall have access at all times where water service lines are being replaced.

The Contractor shall not work on more than 3 blocks at a time. In addition, parallel blocks that are adjacent to each other shall not have work occurring simultaneously so that parking restrictions are not posted on adjacent blocks. A minimum of one street shall remain without parking restrictions between active block replacements. The Contractor shall complete substantial restoration on each block within 7 days of completion of the last service line replacement on the block and within the restoration timeframes required to achieve substantial completion. See Liquidated Damages associated with substantial restoration. Once the Owner has provided written notification that substantial completion is achieved on any 1 block, the Contractor can begin work on another block while completing any remaining punch list requirements of the block(s) that the Contractor has received Substantial Completion for.

MATERIAL TESTING/INSPECTION
Add the following paragraphs to Article 106.01:
"All materials incorporated in this Contract are to be inspected according to IDOT's non-QC/QA programs per the Project Procedures Guidelines (PPG). The latest version is available on the IDOT website at:

https://public.powerdms.com/IDOT/documents/2144679/Project%20Procedures%20Guide.

Q/C for PCC and HMA incorporated into the project will be provided by the City.

All material incorporated into the work shall originate from IDOT approved sources (as required by PPG) and/or be accompanied by sufficient IDOT approved evidence of material inspection. All mix designs for PCC and HMA shall be submitted to the Engineer for review and approval."

DEFINITION OF TERMS
Add the following sentences to Article 101.16:
"The Engineer will have the rights and authority assigned in the Contract Documents in connection with completion of the Work in accordance with the Contract Documents."

Add the following sentence to Article 101.28:
"The terms 'Plans' and 'Drawings' have like meaning and are used interchangeably in the Contract Documents."

Add the following sentence to Article 101.29:
“The terms ‘Proposal’ and ‘Bid’ have like meaning and are used interchangeably in the Contract Documents.”

Add the following sentence to Article 101.30:
“The terms ‘Proposal Guaranty’ and ‘Bid Bond’ have like meaning and are used interchangeably in the Contract Documents.”

Add Article 101.56, which shall read as follows:
“**101.56 Addenda.** Written or graphic instruments issued prior to the execution of the Agreement which modify or interpret the Contract Documents, Drawings, and Specifications, by additions, deletions, clarifications or corrections.”

Add Article 101.57, which shall read as follows:
“**101.57 Award Authority.** The terms 'State, Department, Council, City, Village, Owner, Municipality' or other words used to describe the Awarding Authority in these documents and the Specifications shall be interpreted to mean the City of Evanston.”

Add Article 101.58, which shall read as follows:
“**101.58 Bonds.** Bid, Performance, and Payment Bonds and other instruments of security, furnished by the Contractor and his surety in accordance with the Contract Documents.”

Add Article 101.59, which shall read as follows:
“**101.59 Change Order.** A written order to the CONTRACTOR authorizing an addition, deletion or revision in the WORK within the general scope of the CONTRACT DOCUMENTS, or authorizing an adjustment in the CONTRACT PRICE OR CONTRACT TIME.”

Add Article 101.60, which shall read as follows:
“**101.60 Contract Price.** The total monies payable to the CONTRACTOR under the terms and conditions of the CONTRACT DOCUMENTS.”

Add Article 101.61, which shall read as follows:
“**101.61 Drawings.** The part of the CONTRACT DOCUMENTS which show the characteristics and scope of the WORK to be performed and which have been prepared by or approved by the ENGINEER.”

Add Article 101.63, which shall read as follows:
“**101.63 Purchase Order.** Written communication issued by the OWNER to the CONTRACTOR authorizing him to proceed with the WORK and establishing the date of commencement of the WORK.”

Add Article 101.64, which shall read as follows:
“**101.64 Project.** The undertaking to be performed as provided in the CONTRACT DOCUMENTS.”

Add Article 101.65, which shall read as follows:
“**101.65 Shop Drawings.** All drawings, diagrams, illustrations, brochures, schedules and other data which are prepared by the CONTRACTOR, a SUBCONTRACTOR, manufacturer, SUPPLIER or distributor, which illustrate how specific portions of the WORK shall be fabricated or installed.”

Add Article 101.66, which shall read as follows:
"**101.66 Substantial Completion.** That date as certified by the Engineer when the construction of the Project is sufficiently completed, in accordance with the Contract Documents, so that the Project can be utilized for the purposes for which it is intended. For this project, substantial completion shall be accomplished when all work is completed except placement of sod, landscaping items, and punch list items.

Add Article 101.67, which shall read as follows:
"**101.67 Supplemental Standard Specifications.** Modifications to the Standard Specifications."

Add Article 101.68, which shall read as follows:
"**101.68 Supplier.** Any person or organization who supplies materials or equipment for the Work, including that fabricated to a special design, but who does not perform labor at the site."

Add Article 101.69, which shall read as follows:
"**101.69 Written Notice.** Any notice to any party of the Agreement relative to any part of the Agreement in writing and considered delivered and the service thereof completed, when posted by certified or registered mail to the said party at his last given address, or delivered in person to said party or his authorized representative on the Work."

ADVERTISEMENT, BIDDING, AWARD AND CONTRACT EXECUTION
Delete Article 102.01 and replace it with the following:
"**102.01 Procedures to be in Accordance with Rules.** The procedures for the advertisement, bidding, award and contract execution shall be in accordance with these Specifications."

Add Article 102.02, which shall read as follows:
"**102.02 Examination of Site.** There is no warranty or guaranty, either expressed or implied, that the provided subsurface information will disclose the actual conditions which will be encountered during the progress of the Work. Bidders shall examine the site, interpret or disregard subsurface information as they see fit, and arrive at their own conclusions regarding the nature, character, quality, and quantity of subsurface conditions likely to be encountered. By submitting their Bids, Bidders attest that they have fully complied with these requirements and made their own conclusions regarding subsurface conditions, which are reflected in their Bids. Bidders further attest that, should they be awarded construction Contract(s) for the Project, they shall neither have nor assert against the Owner or Engineer any claims for damages, for extra work, or for relief from any obligation of this Contract based upon deficiencies in the subsurface information provided or failure by the Owner to furnish other subsurface information or knowledge in Owner's or Engineer's possession, if any.

Bidders will be permitted to make test borings, test pits, soundings, or other investigations on the site of the Work which they so desire subject to approval by the Owner. Bidders wishing to make such investigations shall coordinate the intended site investigations with Bridget Nash, Capital Planning and Engineering Bureau, Public Works Agency, City of Evanston; forty-eight (48) hours' notice prior to the intended investigation will be required. Bidders shall be responsible for coordination with JULIE and other utility companies, and shall be required to have an insurance coverage as indicated in the specifications with the Owner and Engineer as additional insured on a non-contributory basis. It shall be understood that the party or parties receiving such approval shall assume all risks and liability contingent thereto, and shall be responsible for restoring the site to its original condition before the investigation, including site clean-up."

SCOPE OF WORK
Delete Article 104.04 and replace it with the following:
"**104.04 Maintenance of Detours.** Maintenance of Detours that may be required in the Work shall be performed by the Contractor. Work shall be performed in accordance with Section 107 of the Standard Specifications and as modified by the Special Provisions. The Owner must approve all detours and road closures. Such approval will not be unreasonably withheld, but all requests must be submitted with supporting data such as the projected duration of the closure and detour routes. The Owner may require the use of signage with specific street names identifying the detour route."

Delete Article 104.05 in its entirety.

Add Article 104.08, which shall read as follows:
"**104.08 Intent of Plans and Specifications.** Any minor work not specifically mentioned in the Specifications or not shown on the Plans, but necessary for the proper completion of the Work shall be considered as being a part of and included in the Contract and shall be executed in the proper manner, and the Contractor shall not be entitled to extra or additional compensation for the same. The Work quantities listed on the Bid Schedule, Drawings, Attachment A Schedule and elsewhere in the Contract Documents are approximate and are intended for comparison of Bids only and do not constitute a "guaranty" of the amount of Work to be performed. Actual Work quantities may vary significantly. Payment shall be made only for the amount of each Payment Item quantity actually installed. Measurement and payment for Work shall be in accordance with the Standard Specifications as modified herein by Special Provision. The price Bid for each Payment Item shall include all work required to complete the Item including a proportionate allocation of Contractor overhead and profit, and shall not include costs more properly allocated to other Payment Items."

Add Article 104.09, which shall read as follows:
"**104.09 Record Plans (Record Drawings).** The Contractor shall keep a complete up-to-date record of the actual construction of the Work in accordance with the special provision for Submittals."

CONTROL OF WORK
Add the following paragraph to Article 105.01
"The Engineer shall have no authority to suspend the Work, wholly or in part, for any reason. All rights conferred onto the Engineer for suspending the Work by Standard Specification Articles 105.01 and 108.07 shall be the sole right of the Owner."

Delete Article 105.05 and replace with the following:
"The documents forming the Contract Documents, as listed in the Agreement, are complementary, and the work called for by one is as binding upon the parties as if it was called for by all. In the event of conflict between the Contract Documents, the interpretation of the Engineer shall govern. Generally, the Engineer will resolve conflicts in a manner which will yield the greater quality in the Work. In the interpretation of any conflict between the Contract Documents, the following order of precedence shall govern:

- Evanston General Conditions
- Bid Form
- Addenda
- Instruction to Bidders

- Special Provisions
- Drawings/Plans
- Standard Specifications – Illinois Department of Transportation
- Other Referenced Specifications
- Other documents included in the Contract Documents by specific reference in the Agreement."

Delete the first paragraph of Article 105.06 and replace it with the following:
"The Contractor will be furnished, free of charge, 2 full-size sets of Drawings, and 2 sets of the Contract Documents. Any additional full size sets or random sheets will be furnished at a cost of $3.00 per drawing sheet and $0.50 per Contract Document sheet. The IDOT Standard Specifications will not be furnished and the Contractor shall obtain those specifications on his own directly from IDOT."

Add the following paragraphs to Article 105.06:
"On or within fifteen (15) calendar days from the date on the Purchase Order, the Contractor shall identify the person who will act as Project Superintendent in writing to the OWNER. The Project Superintendent is required to attend monthly meetings to discuss the Project status."

Add the following sentences to the first paragraph of Article 105.07:
"The Drawings depict the locations of various existing underground utilities, including gas mains, electric duct lines, telephone lines, cable TV lines, sewers, and water mains. The information shown on the Drawings has been determined from the best available information, including field surveys and/or the records of the parent utility companies. Such information may or may not be accurate. Other underground utilities may also be present. As such, the Owner and Engineer assume no responsibility in the event that, during construction, utilities other than those shown are encountered or that actual locations of those utilities shown are different from the locations designated on the Drawings.

Delete Article 105.09 of the Standard Specifications and replace it with the following:
"**105.09 Survey Control Points.** The primary vertical and horizontal control points for the Work are shown on the Drawings. Using this reference control, the Contractor shall take the necessary topography, locate all earthwork and structures, and establish all grades necessary for the accomplishment of the Work. The Contractor shall carefully preserve all marks, reference points and stakes established, and, in the case of their destruction, such points, marks or stakes shall be replaced by the Contractor at his expense. The Contractor shall also be responsible for any mistakes caused by their loss or disturbance.

Any monuments that are disturbed by construction operations shall be reset by the Contractor in accordance with generally accepted engineering and surveying practice. Property corners, fences, or any other indications of property lines shall be referenced by the Contractor prior to construction and reset by the Contractor after completion of construction in accordance with generally accepted engineering and surveying practice.

Prior to establishing the working control, the Contractor shall provide, at the Engineer's request, sufficient copies of an illustration of the working control relative to pertinent construction. The Engineer will check all forms prior to placing concrete. All checking by the Engineer will be independent. The sole intent of the Engineer's checking of working controls, forms and other references shall be to provide greater assurance to the Owner that the Work, when completed, will be in General conformance with the Contract Documents. The Contractor shall be solely

responsible for the correctness and adequacy of Work controls."

Delete Article 105.10 and replace it with the following:
"**105.10 Authority of Engineer.** The Engineer, as the Owner's representative, will administer the Contract and observe, survey, monitor, and judge the performance of the Contractor. The Engineer will perform technical inspections of work performed by the Contractor and shall have authority to reject, in writing, all work and materials which do not comply with the Contract Documents.

The Engineer, as the Owner's representative, will interpret the Contract Documents. The Engineer will decide questions which arise in the execution of the Work or in the interpretation of the Contract Documents. The Engineer's decision or interpretations shall be final, unless the Contractor appeals to the Owner in writing within fifteen (15) calendar days after the decision or interpretation.

Neither the Engineer's authority to act under this Section, or elsewhere in the Contract Documents, nor any decision made by the Engineer in good faith either to exercise or not exercise such authority shall give rise to any duty or responsibility of the Engineer to the Contractor; any Subcontractor; any supplier, manufacturer, fabricator, distributor, vendor, or any other person or organization performing any of the Work, or to any surety for any of them.

The use of terms, such as, but not limited to: "approval", "judgment", "requirement", or "direction" shall not be effective to assign to the Engineer any duty or authority to supervise or direct the furnishing or performance of the Work or any duty or authority to undertake responsibility contrary to the provisions herein; shall not be construed in any manner to relieve the Contractor of any of its responsibilities under the Contract Documents; nor, shall be construed to create duties on the part of the Engineer or the Owner toward the Contractor.

The Engineer will not be responsible for the Contractor's means, methods, techniques, sequences, or procedures of construction, or the safety precautions and programs incident thereto, and the Engineer will not be responsible for the Contractor's failure to perform or furnish the Work in accordance with the Contract Documents.

The Engineer will not be responsible for the acts or omissions of the Contractor or of any Subcontractor; any supplier, manufacturer, fabricator, distributor, vendor, or of any other person or organization performing or furnishing any of the Work. It is agreed and understood that the Contractor is solely responsible for supervising the Work and for safety at the site of the Work as provided for in Article 105.14."

Delete Article 105.11 in its entirety.

Add the following paragraph to Article 105.12:
"The Contractor agrees that representatives of the Owner, Engineer, Illinois Environmental Protection Agency, and the Metropolitan Water Reclamation District of Greater Chicago shall have access to the Work whenever it is in preparation or progress and that the Contractor shall provide facilities for access and inspection."

Add Article 105.14, which shall read as follows:
"**105.14 Job-Site Safety.** The Contractor is solely responsible at all times for safety at the job site. The Contractor shall implement whatever protection measures are necessary to fully protect his work forces, the work forces of his suppliers and subcontractors, and the general public from

construction activities. Any and all safety regulations and other provisions of applicable Federal, State and local laws and building and construction codes shall be observed.

The Drawings do not include standards or guidelines for construction safety. The Contractor shall be responsible for the adequacy and safety of all construction methods and the safe prosecution of the Work, including, but not limited to: forms, falsework, scaffolding, trench protection, protective barricades, protective rails, and warning lights. It is expressly stipulated that any examination and/or approval by the Engineer of the Contractor's plans for such items as well as for any other items needed for the prosecution of the Work will cover only general conformance with the design concept of the project and general compliance with the information given in the Contract Documents. Such examination and/or approval by the Engineer shall not relieve the Contractor from full and complete responsibility for safe prosecution of the Work at all times and for obtaining satisfactory results. Requirements for safety-related work tasks presented in Project Drawings and Specifications, such as traffic control, represent the minimum level of protection which must be implemented. Depending on the Contractor's means and methods, these protection measures may or may not be fully adequate to protect Project work forces or the general public. As such, the Contractor is solely responsible for and is required to implement whatever additional protection measures may be necessary to fully protect the Project work force and the general public.

Nothing in the foregoing paragraphs shall be construed as relieving the Contractor from full responsibility for safe prosecution of the Work at all times. In the event the Owner, Engineer or their representatives are held by a court or administrative body to be liable for personal injuries or damages to property arising from deficiencies in job-site safety, the Contractor shall promptly indemnify and hold them harmless there from.

The Contractor shall follow the latest Center for Disease Control and Prevention guidelines when entering the home of residents."

Add the following Article 105.15, which shall read as follows:
"**105.15 Official Contact.** All official notices required to be delivered to the City of Evanston under the terms of this Contract shall be sent to the following representative of the City:

Paul Moyano, Senior Project Manager
Capital Planning & Engineering Bureau, Public Works Agency
City of Evanston
555 Lincoln Street
Evanston, IL 60201
(847) 448-8217

LEGAL RELATIONS AND RESPONSIBILITY TO PUBLIC
Delete the first paragraph of Article 107.04 and replace it with the following:
"Owner will obtain approvals of the construction plans from the Metropolitan Water Reclamation District of Greater Chicago (MWRD or MWRDGC) and the Illinois Environmental Protection Agency (IEPA). The Contractor shall at his own expense obtain all required construction permits, licenses, insurance, and other appurtenant approvals or permissions for the execution of this Work; give all necessary notices; pay all fees required; fulfill all permit requirements, including construction standards, bond requirements, and insurance requirements; and, comply with all rules, regulations, ordinances, and laws relating to the Work and to the preservation of public health and safety."

Add the following sentences to Article 107.08:

“Suitable toilet facilities shall be provided at the job site. The facilities and the location of same shall be approved by the Owner and shall be kept in a clean and sanitary condition. Sanitary sewer manholes or construction trenches may not be used for toilet facilities.”

Delete the first sentence of Article 107.09 and replace it with the following:
“The Contractor shall notify the Engineer at least thirty (30) days in advance of the starting of any construction work which might in any way inconvenience or endanger traffic, so arrangements can be made, if necessary, for closing the road and providing suitable detours.”

Add the following paragraphs to Article 107.09:
“The Contractor shall identify and obtain, at their own expense, other sites for storage of materials and equipment. Sites shall be approved by the Owner and shall conform to City zoning and land use regulations.

Contractors shall confine all work activities to the public right-of-ways, except areas designated as tree protection zones and in areas required to be accessed for the purpose of lead water service line replacements to a point located within a home. If, for their convenience, Contractors wish to conduct work activities outside public right-of-ways, including storage of equipment and materials, Contractors shall obtain written permission from affected property owners prior to proceeding with these work activities. Costs of obtaining permission, permits, easements, site preparation, site maintenance, site restoration, and all other expenses associated with work outside right-of-ways, easements, and properties fully executing Property Owner Agreement Forms for full lead water service replacement, shall be borne by the Contractors at no additional expense to the Owner.

Construction materials may not be placed or stored along City streets and other public areas more than five (5) calendar days prior to their planned incorporation into the Project. Excess materials to be incorporated into the Project, including pipe, backfill materials, and other construction materials, not incorporated into the Project shall be removed from the construction site by the end of each day and shall be disposed of in accordance with these Specifications. Temporary storage of materials shall not interfere with curb line storm drainage. Reclaimed construction materials shall be moved to the Contractor's storage areas. Excess spoils shall be removed at the end of each day.

Excess construction equipment not actively engaged in daily work operations shall be stored only in the Contractor's storage areas and not along City streets. Tracked construction equipment shall be moved from place to place in the City only on rubber-tired trailers. “Walking” of tracked equipment between construction areas is expressly prohibited. Refueling trucks shall not be parked on City streets and shall be returned to the Contractor's storage area when not in use. The Contractor shall provide off-street parking for personal vehicles belonging to his employees, supplier's employees, and subcontractor's employees. These vehicles may not be parked along City streets or in Work areas. No trailers and/or connex containers will be allowed to be stored on/in the City of Evanston R.O.W.

Electrical power for construction operations outside normal project hours shall be obtained through temporary power drops from Commonwealth Edison facilities. The Contractor shall not use engine-driven generators for power at work sites or use other engine-driven equipment outside normal project work hours, including, but not limited to: pumps and compressors, except in emergency situations.

The Contractor shall provide receptacles as necessary at construction areas for depositing waste

paper and garbage; and, shall empty these receptacles regularly. The Contractor shall keep the construction site and his storage sites neat and shall promptly clean up any debris that accumulates. All waste materials shall be hauled to a legal waste disposal site of the Contractor's choice.

The Contractor shall conduct his operations so that access to homes and other buildings is maintained at all times when Contractor is not working at that specific location. The Contractor shall cooperate in efforts to notify home and other building owners as to when direct vehicular access to their property will be curtailed and the approximate length of time of such curtailment. Written and/or vocal notification shall be given to affected residents or tenants of the properties not less than 24 hours prior to access curtailment. The Contractor shall maintain access for emergency vehicles to all parts of the construction area at all times.

Where water service connections are made, the Contractor shall not place spoil on the parkway.

The Contractor shall provide for and maintain the flow in all sewers, drains, building or inlet connections and all water-courses which may be met with during the progress of the Work. He shall not allow the contents of any sewer, drain, or inlet connection to flow into trenches, sewers, or other structures to be constructed under the Contract and shall immediately remove and cart away from the vicinity of the Work all offensive matter. The Contractor shall not disrupt the function of individual sanitary services for more than four continuous hours. If construction operations are anticipated to disrupt individual services for more than four hours, the Contractor shall provide for temporary sanitary service for the duration of the disruption.

The Contractor shall provide for and maintain the flow in all water mains or services which may be met with during the progress of the Work. When water mains or services are to be disturbed to the extent that the water will be shut-off, the City of Evanston Utilities Department and all parties being served by the lines involved shall be notified in accordance with Article 561.03, giving them the time and duration of the shut-off period. In cases involving disruption of fire hydrants, the City of Evanston Fire Department shall also be notified in accordance with Article 561.03. The Contractor shall not disrupt the function of individual water services for more than four continuous hours. If construction operations are anticipated to disrupt individual services for more than four hours, the Contractor shall provide for temporary water service for the duration of the disruption.

The Contractor shall promptly notify the proper utility company and all other effected parties of any damage to water, gas, electric, telephone, sewer, and other utility lines and connections caused by the Contractor’s operations. The damage shall be immediately repaired at the Contractor's expense. In the case of an accidental breaking of a water main or service line, the repairs of such a break shall have priority over all other operations. The parties whose services are affected by the break shall be notified at once and all assistance given to supply emergency water where necessary by temporary lines, tank truck, or other means. The Contractor shall maintain an appropriate inventory of the materials for emergency repairs. In the case of an accidental breakage of a street light cable, the Contractor shall submit for approval a licensed electrical contractor to repair any and all damage to the existing street light cables.

The Contractor shall not allow travel upon any street, park, roadway, or alley to be hindered or inconvenienced needlessly, nor shall the same be wholly obstructed without the written permission of the Owner thereof. No construction vehicles shall be driven through or shall be parked in alleys unless so approved by the Engineer. Construction traffic shall be routed on major City through-streets. Construction traffic on minor streets shall be limited as much as is practical. All street closures must be approved by Engineer.

When traffic must be obstructed, the Contractor shall provide proper traffic control as accepted by the Engineer and Owner by placing clearly worded signs announcing such fact with proper barricades, at the nearest cross-streets on each side of such obstructed portion, where travel can pass around the obstruction in the shortest and easiest way. "No parking" signs must be approved by the Engineer and must be POSTED AND DATED at least 48 hours before the intended date of use. "No Parking" signs are to be purchased from the Owner. If vehicles are still parked in "No Parking" areas identified by the Contractor, the Contractor shall notify the Engineer who will contact the Evanston Police to have the vehicles towed away. No towing of vehicles shall be done by the Contractor.

Driveways to fire department buildings, driveways to medical buildings, and driveways to businesses required for continuance of their commerce shall be kept open and maintained in passable conditions at all times unless modified by agreement between the Contractor and the property owner. All agreements between the Contractor and private property owners must be in writing to be considered binding. The Contractor shall give reasonable notice to the owners of all private driveways before interfering with them. Daily construction operations shall be terminated at such locations that the operations of driveways are not obstructed. Driveways shall be passable between the hours of 6:00 p.m. and 9:00 a.m.

Delete Article 107.17 and replace it with the following:
"**107.17 Use of Explosives**

(a) General

Blasting and other uses of explosives will not be permitted under this Contract."

Delete Article 107.18 and replace it with the following:
"**107.18 Use of Fire Hydrants.** If the Contractor desires to use water from hydrants, he shall fill out an application to the City of Evanston Utilities Department and shall conform to the municipal ordinances, rules, or regulations concerning their use. The Contractor shall obtain a use permit for each hydrant, and shall operate the hydrant properly. The Contractor is required to use an RPZ or appropriate back flow prevention device subject to approval of the City. There is a $300 deposit on the fire hydrant and all borrowed equipment. Water shall be furnished from hydrants at no cost to the Contractor. However, the Contractor shall restore any damage to the hydrant caused by his use, including settlement.

Fire hydrants shall be accessible at all times to the Fire Department. No material or other obstructions shall be placed closer to a fire hydrant than permitted by municipal ordinances, rules or regulations, or within five (5) feet of a fire hydrant, in the absence of such ordinances, rules or regulations."

Add the following paragraphs to Article 107.20:
"All existing roadway ditches or swales disturbed during construction operations shall be restored to their original cross-section and longitudinal grade, as approved by the Engineer. Any settlement caused by sewer or water main trenches shall be refilled and the original grades maintained by the Contractor for a period of one year from the date of final completion of the Project. Any property damage caused by trench excavation or augering operations, including settlement, shall be restored at Contractor's expense."

Existing roadways, driveways, sidewalks, curbs, utilities, structures, landscaping, site objects,

and other site improvements not indicated to be removed and/or replaced as part of the Project which are damaged by Contractor's operations shall be repaired to a condition equal or better than that prior to the start of construction; or, if deemed un-repairable by the Owner, removed and replaced by the Contractor at no cost to the Owner in accordance with the terms of the Project specifications, Drawings, applicable codes, ordinances, and technical standards.

The correction of defects in the Work performed by the Contractor shall be done at no additional cost to the Owner and in accordance with the terms of the Project specifications, Drawings, applicable codes, ordinances, and technical standards.

Add the following paragraph to Article 107.25:
"Prior to commencement of construction operations, the Contractor shall prepare a written inventory of existing traffic control and other signage along the routes of construction. This inventory shall list the location, wording, and general condition of signage. This inventory shall be submitted to the Engineer upon completion and before any signage is removed for construction activities. The Contractor shall remove all existing traffic control signs, store these signs in a manner, which prevents damage, and reinstall them as soon as possible following installation of new sewers as coordinated by the Engineer."

Delete Article 107.27 and replace it with the following:
Extension of Indemnification to Third Parties. In the event that some of the Work is to be completed on property that is not owned by the Owner, the Contractor shall provide the indemnification and save harmless protection to the owner of such property. The Contractor shall also provide the indemnification and save harmless protection to owners of adjacent properties that may be affected by his operations.

Claims and disputes by third parties arising from work on this Contract, including augering and directional drilling or excavation work shall be resolved in accordance with the procedures hereinafter specified. This provision does not change, modify or alter the Contractor's responsibility to follow the insurance requirements of the Contract. Neither does this provision change, modify or alter the Contractor's responsibility to defend, indemnify and hold harmless the Owner and the Engineer from all types of claims that may arise out of or in consequence of the performance of this work by the Contractor or which may result in any way there from as that duty is stated in Section 107. Furthermore, this provision does not change, modify or alter the Contractor's responsibility to follow the provisions requiring a Contractor's Performance Bond.

The Contractor agrees to follow the procedure described following in resolving all property damage disputes that arise during the performance of the Work under the Contract. The Contractor agrees that the following procedure is the way the Contractor will hold the City of Evanston, MWRD and Engineer harmless for property damage claims:

i. Procedure for Resolving Property Damage Disputes

If the Contractor receives a claim for property damage allegedly caused by his performance of the Work under this Contract, the Contractor shall, within five (5) calendar days of receipt of such claims:

Acknowledge the claim to the property owner.

Send a copy of the said claim and acknowledgment to Engineer.

If the claim is not settled (or the Contractor does not agree to settle the claim) within five (5) calendar days, the Contractor shall:

Forward the claim to the Contractor's insurance carrier.

Require his insurance company to forward to Engineer an acknowledgment of receipt of the claim.

The Contractor and insurance carrier shall either settle or deny claims within sixty (60) calendar days of initial receipt of the claims. The insurance carrier and Contractor shall notify the Engineer of claims settled and denied, including the terms of the settlement or reasons for denial. The Contractor shall advise property owners of the decision to deny their claims and shall include in the Notice of Denial the name and address of the person authorized to accept service of process on behalf of the Contractor.

When a claim is allowed in any amount, Contractor shall, within thirty (30) calendar days of the award, pay to the property owner the amount of the award. If the Contractor does not make these payments to the property owner within the thirty (30) calendar day period, the Owner shall be authorized to make these payments for the Contractor and then deduct the amounts paid from the next payment due the Contractor under this Contract."

Add the following paragraphs to Article 107.30:
"The Contractor assumes full responsibility for the safekeeping of all materials and equipment and for all unfinished work until final acceptance by the Owner, and if any of it is damaged or destroyed from any cause, the Contractor shall replace it at his own expense.

The Contractor shall indemnify and save harmless the Owner against any liens filed for nonpayment of his bills in connection with the Contract work. The Contractor shall furnish the Owner satisfactory evidence that all persons who have done work or furnished materials, equipment or service of any type under this Contract have been fully paid prior to the acceptance of the Work by the Owner.

The Contractor shall erect and maintain such barriers and lights and/or watchmen as will protect and warn pedestrians and vehicles, and prevent access of unauthorized persons to the site so as to prevent accidents as a consequence of his work.

The Contractor shall indemnify and hold harmless the Owner, the Owner's employees, the Engineer, and the Engineer's employees from any and all liability, loss, cost, damages and claims, and expense (including reasonable attorney's fees and court costs) resulting from, arising out of, or incurred by reason of any claims, actions, or suits based upon or alleging bodily injury, including death, or property damage arising out of, or resulting from the Contractor's operations under this Contract, whether such operations be by himself or by any subcontractor or by anyone directly or indirectly employed by either of them. The Contractor shall obtain insurance for this purpose, which shall insure the interests of the Owner and Engineer as the same may appear, and shall file with the Owner and Engineer certificates of such insurance.

The Contractor shall protect the Owner's property and adjacent property from injury or loss resulting from his operations. Objects sustaining such damage shall be replaced to the satisfaction of the Owner and Engineer; the cost of such repairs shall be borne by the Contractor.

The Contractor shall be completely responsible for protecting his work from vandalism. Any vandalized concrete shall be repaired and/or replaced as directed by the Engineer and at the

Contractor's expense."

Delete the second and fourth paragraphs of Article 107.35.

Delete Article 107.40 in its entirety and replace with the following:
Unknown Utilities. The requirements stated in Article 107.37 for known utilities shall apply to unknown utilities. No additional compensation will be allowed for any delays, inconveniences, or damages sustained by the Contractor due to the presence of any claimed interference from unknown utility facilities or any adjustment of them, except as specifically provided in the contract.

Definition. An unknown utility is defined as an active or inactive underground transmission facility (excluding service connections) which is either:
(1) Located underground and (a) not shown in any way in any location on the plans; (b) not identified in writing by the City to the Contractor prior to the letting; or (c) not located relative to the location shown in the contract within the tolerances provided in 220 ILCS 50/2.8 or Administrative Code Title 92 Part 530.40(c).
(2) Located above ground or underground and not relocated as provided in the contract

Add Article 107.42, which shall read as follows:
"**107.42 Traffic Control and Protection.** Special attention is called to the following Highway Standard Details and Section 701 relating to Traffic control:

STANDARDS
701301, 701501, 701602, 701606, 701611, 701701, 701801, 701901, 780001

If requested by Contractor, one-block-long road closures will be allowed by the Owner in areas deemed necessary by the Engineer. No more than one lane of other streets may be closed at any time. Traffic control shall be in accordance with the applicable sections of the Standard Specifications, the applicable guidelines contained in the Illinois Manual on Uniform Traffic Control Devices for Streets and Highways, any Special Provisions, any Supplemental Standard Specifications and any special details and Highway Standards contained herein.

At the Pre-Construction Meeting, the Contractor shall furnish the name, and a 24-hour telephone number of the individual in his direct employ, who is responsible for the installation and maintenance of the traffic control for the Project. In accordance with Article 108.01, if a subcontractor is to provide this aspect of the work, consent of the Engineer is required. This shall not relieve the Contractor of the foregoing requirement for an individual in his direct employ to superintend the implementation and maintenance of the traffic control.

The Contractor shall furnish, install, maintain, relocate, and remove all traffic cones, signs, barricades, warning lights and other devices which are to be used for the purpose of controlling pedestrian and vehicular traffic. The traffic control requirements presented in the Contract documents represent the minimum level of control which shall be provided. The Contractor is solely responsible for implementing all other traffic control measures required to fully protect pedestrians, vehicles, and his work forces.

The Contractor is responsible to ensure that all barricades, warning signs, lights and other devices installed for traffic control are in place and operational twenty-four hours each calendar day this Contract is in effect. In particular, the Contractor shall make sure that warning lights are functioning during night-time hours. Warning lights shall be checked each calendar day to verify functioning, replace batteries/bulbs, and/or replace light assemblies as necessary.

All areas of work shall be protected each night by Type II drum-type or sawhorse-type barricades at not greater than fifty (50) foot centers.

Drum-type and sawhorse barricades shall be equipped with working flashing lights and highly visible reflectors, reflective tape or reflective paint. At least six reflectors shall be visible from any viewing angle. Tape or paint shall cover at least 30 percent of the barricade from any viewing angle and shall conform to Section 700 of the Standard Specifications. Arrow boards shall be silent type powered by electricity or battery packs. No engine/generator-powered arrow boards are permitted.

The Contractor shall place "No Parking" signs a minimum of two (2) calendar days prior to curb replacement, patching or resurfacing operations. All "No Parking" signs must have the approval of, affixed, and displayed to the satisfaction of the Engineer. Posting of signs on trees shall be done in such a manner to facilitate removal; stapling or nailing of signs to trees is prohibited. Contractor shall keep a log of all posted "No Parking" signs and shall submit the log to the Engineer promptly upon request.

School busses and emergency vehicles shall have access to all premises at all times."

Add Article 107.43, which shall read as follows:
"**107.43 Maintenance of Roads.** Contractor shall maintain roads for all weather conditions and at all times in compliance with state and local regulations. Upon completion of construction, Contractor shall return all roads to their original condition as described in Section 442. With the Owner's approval, roadways and drives may be closed temporarily in the immediate area of the work. However, roadways and driveways shall be reopened as soon as is practical following the completion of installation and/or restoration. All roadways shall be maintained open to local traffic between the hours of 6:00 p.m. and 9:00 am or at other times when Contractor is not actively engaged in sewer and/or water main installation. Roadways shall be open to through traffic whenever practical. Roadways shall be open to emergency vehicles at all times. Temporary pavements specified by Engineer or Owner shall be placed on the same day as sewer and/or water main installation and shall be maintained as necessary until final roadway restoration. Contractor shall promptly remove all loose material spilled on roadways during the execution of the Work.

Temporary pavements shall consist of aggregate, cold mix, hot mix, or steel plates as specified or as directed by the Engineer. Hot mix shall be used for all IDOT and arterial streets and all intersections, and shall be compacted to the satisfaction of the Engineer by a steel drum roller. Aggregate surface course shall be used for other streets, alleys and driveways, unless otherwise directed by the Engineer. Steel plates shall be used to close construction work shafts and shall be set with their surfaces flush with existing roadways.

Temporary pavements for trenches crossing roadways and sewer and/or water main structures in through traffic lanes shall be hot mix when specified or as directed by Engineer. Temporary pavements around structures not located in through traffic lanes shall be aggregate surface course as specified or as directed by the Engineer."

Add Article 107.44, which shall read as follows:
"**107.44 Water Control.** The Contractor shall perform grading and other operations to maintain site drainage. Surface water shall not be allowed to accumulate in excavations. The Contractor shall dispose of surface and subsurface water in a legal manner. He shall not allow mud, silt, or

debris to flow into any surface water area or body other than in compliance with the State Water Quality Standards. Where the Contractor's operations disturb existing combined sewers, the Contractor shall provide temporary bulkheads and pumping facilities as necessary to maintain the combined sewers, connected building services and storm water inlet leads in full operation, including transport of the maximum dry-weather and wet-weather flow of which the existing sewer is capable. Combined wastewater shall not be permitted to flow along streets, public right-of-ways, private property, trench areas or inactive relief sewers. All earthworks, moving of equipment, water control of excavations, and other operations likely to create silting, shall be conducted so as to minimize pollution to watercourses or water storage areas. Under no circumstances shall the Contractor discharge pollutants into any watercourse or water storage area."

Add Article 107.45, which shall read as follows:
"**107.45 Overnight Protection of Work.** The Contractor shall adequately backfill, cover with appropriate plates, or suitably fence and barricade all open excavations at the completion of each day's work. Open-cut excavations shall be reduced to a maximum length of thirty feet overnight. Excavations shall not block roadways or driveways. Open ends of sewers being installed shall be bulk-headed overnight with watertight plugs to prevent entrance of soils, entrance of groundwater, and/or entrance by the public. The Contractor shall protect all excavations from public access. All shafts for open-cut work shall be fully covered during non-working hours and during working hours when not being actively used for that day's construction."

Add Article 107.46, which shall read as follows:
"**107.46 Guarantees and Warranties.** All guarantees and warranties required shall be furnished by the Contractor and shall be delivered to the Owner before the final voucher on the Contract is issued."

PROSECUTION AND PROGRESS
Add the following to Article 108.01:
"The Owner may approve the use of second tier subcontractors on a case by case basis after the Prime Contractor initiates a request for approval of same. The Prime Contractor is responsible for compliance with all the provision of the contract and is also responsible for providing that all of the pertinent provisions and requirements of the prime contract are incorporated into the second tier subcontracts. The Prime Contractor shall provide a copy of the second tier subcontract, second tier subcontractor insurance certificates, and shall provide waivers from the second tier subcontractors as required for the processing of pay estimates. The second tier subcontractor shall not commence work until approval is granted by the Owner"

Add the following to Article 108.02:
"Prior to commencing construction operations, the Project Superintendent shall meet with the Owner and Engineer and submit his Progress Schedule.

The construction schedule shall reflect that no work will be performed on Saturdays, Sundays, Holidays, and the days listed below as modified in Art. 108.03 Section 108. Calendar day is defined as: "Any calendar day between April 1 and November 30 inclusive, except Saturdays, Sundays or legal holidays. If the City approves work on Saturday, the Contractor will not be charged a calendar day for work done on that Saturday."

The Contractor shall submit to the Engineer monthly updates of the schedules required per these specifications. Schedule updates shall reflect the progress to date by providing actual start dates for activities started, actual finish dates for completed activities, and identifying out of sequence

work, schedule logic changes, and any circumstances or events impacting the current schedule. The updates shall also contain the Contractor's best estimate of the remaining duration for activities not complete as of the date of the update. All graphic presentations and reports shall be submitted with the monthly partial payment requests.

The Contractor shall prepare and submit daily reports containing, among other items, the following information:

1. A description of work activities performed.
2. A description of obstructions encountered.
3. Temperature and weather conditions.

The reports shall be submitted on a daily basis, by the end of the next business day.

Information provided on the daily report shall not constitute notice of delay or any other notice required by the Contract Documents.

Failure to provide the updated schedule every month may be cause to withhold any partial payment due to the Contractor during the course of the Contract until the deficiency has been remedied."

Delete the second paragraph of Article 108.03 and replace it with the following:
"The Contractor shall notify the Owner and Engineer at least 72 hours before beginning work. The Contractor shall give a minimum of 24 hour notice, not including Saturdays, Sundays or legal holidays, prior to suspension of construction activities for any non-weather related reason. Suspension of work for non-weather related reasons must be pre-approved by the Engineer. The Contractor must be in advance of the Controlling Item as indicated by his submitted Construction Schedule as a condition of the Engineer's granting of authorization to suspend work. In addition, the suspension shall not affect the completion date of the Project. The Contractor shall notify the Engineer at least 24 hours, not including Saturdays, Sundays or legal holidays, prior to the resumption of work. The site must be left in a clean and neat manner, acceptable to the Engineer, prior to the authorization of the suspension.

The Contractor shall perform the Work in accordance with the following scheduling requirements:

a. The Contractor will be required to discuss their operations and get verbal and / or written permission at least twenty-four (24) hours in advance in order to work on the following dates:

Friday, April 18, 2025	Good Friday
Sunday, April 20, 2025	Last Day of Passover
Monday, May 26, 2025	Memorial Day
Thursday, June 19, 2025	Juneteenth
Friday, July 4, 2025	Independence Day
Monday, September 1, 2025	Labor Day
Tuesday, September 23, 2025	Rosh Hashanah
Thursday, October 2, 2025	Yom Kippur

Delete Article 108.04 and replace it with the following:
"**108.04 Normal Work Hours.** Normal work hours shall be Monday through Friday (excluding legal holidays) between 7:00 am and 5:00 p.m. local time during the calendar dates specified in

Article 108.03. Except for work required to maintain warning lights, barricades and other safety/health-related systems no work shall be performed on Saturdays, Sundays, legal holidays, or between 5:00 pm and 7:00 am on other days without specific permission of the Owner. This requirement excludes private water service work which may take place outside of normal work hours including Saturdays in accordance with the Evanston City Code. Only work between the parkway and private residence may take place outside of normal working hours and at no time will work within the roadway be permitted outside of normal working hours or work on Sunday without written approval from the Engineer.

No work, except maintenance of warning lights, barricades and other safety/health-related systems, may be performed unless the Engineer is available to observe/inspect construction activities. Owner will provide the services of the Engineer as needed for construction observation/inspection between the hours of 7:00 am and 5:00 p.m., Monday through Friday, except legal holidays, in accordance with the calendar dates specified in Article 108.03. Prohibited work activities outside of normal work hours include but are not limited to the warming up of any piece of equipment or turning on engines. Any violation for working hours will incur a $500.00 fine for each occurrence.

If at any time during the project the Contractor elects to work on a Saturday, they must obtain written permission from the Capital Planning and Engineering Bureau, Senior Project Manager and/or City Engineer/Bureau Chief, Public Works Agency. Contractor shall request this at least twenty-four hours in advance of Saturday work. The contractor is required to estimate any Saturday work and include that in the bid amount.

If at any time during the project the Contractor elects to work past the normal working hours, the Engineer shall invoice the Contractor for Engineering Services at a rate of $75.00 per hour for Engineering Services provided beyond the normal working hours at the conclusion of each month. Engineering Services will be paid for at the contract unit price of $75.00 per hour. Administrative accounts payable, overhead, and profits costs shall be included in the various contract items and no additional compensation will be allowed.

Delete Article 108.05 and replace it with the following:
"**108.05 Project Completion Times:**
The Project Completion Time and Substantial Completion Times shall be as specified in the Contract Documents. Liquidated damages, as indicated in Article 108.09 shall apply for failure to achieve any of the listed Partial Completion Dates, Substantial Completion Dates, Project Completion Dates, and other specific Work task completion requirements. Calendar day is defined as: "Any calendar day between April 1 and November 30 inclusive, except Saturdays, Sundays or legal holidays. If the City approves work on Saturday, the Contractor will not be charged a calendar day for work done on that Saturday." Claims for extension or shortening of the Substantial Completion Times and Project Completion Time shall be based on written notice delivered by the party making the claim to the other party and to the Engineer promptly, but, in no event, later than thirty (30) calendar days after the occurrence of the event giving rise to the claim and stating the nature of the claim."

Add the following paragraph to Article 108.07
"The Engineer shall have no authority to suspend the Work, wholly or in part, for any reason. All rights conferred onto the Engineer for suspending the Work by Standard Specification Articles 105.01 and 108.07 shall be the sole right of the Owner."

MEASUREMENT AND PAYMENT

Add the following paragraphs to Article 109.02:

"All the requirements of the Supplemental Standard Specifications pertaining to Sections 100 to 109 of the Standard Specifications are considered incidental to the Work, and no separate or additional payment will be made, except as otherwise indicated, for complying with said requirements. The Owner has the authority to withhold any payment if satisfactory progress is not made by Contractor to complete any work on the Contract.

The cost of removal of any temporary surfaces, trench backfill or other temporary materials above the subgrade level in areas where final surface restoration is to be performed shall be incidental to the Contract and no additional separate payment will be made except as indicated on the Plans.

Existing facilities or property damaged by construction activities, including settlement, whether through result of Contractor's negligence or as a normal result of the means and methods employed by the Contractor, shall be restored to original condition. Restoration of damaged areas will be considered incidental to the Work and the cost shall be included as part of the unit or lump sum price item to which the restoration pertains.

Payment for each item will be made at the unit or lump sum price bid for that item. The cost of all other related or incidental work required by the plans and specifications shall not be measured or paid for as a separate item, but shall be included as part of the unit or lump sum price item to which the work pertains. Failure to list all such related or incidental work for the bid items shall not invalidate this stipulation."

Delete Article 109.07 and replace it with the following:

"**109.07 Partial Payments and Retainage.** The Owner will pay the Contractor monthly for Work completed in accordance with the Contract Documents. Applications for Payment from the Contractor (and subcontractors) shall be prepared and submitted by the Contractor with all supporting documents to the Engineer. Supporting documents to be submitted with Applications for Payment shall include, but are not limited to:

Documents to be Submitted With
Applications for Partial Payment

(a) DBE Monthly Utilization Report

(b) All delivery tickets for concrete and asphalt.

(c) Lien Waivers

(d) Construction Schedule Update

(e) Certified payrolls for general contractor and sub-contractors

(f) Illinois Works Apprenticeship Initiative Periodic Report

Failure to submit any of the above documents may cause the payment application to be rejected.

Lien waivers shall accompany each Application for Payment and shall reflect the amount paid to each subcontractor, and supplier, and their respective supporting lien waivers. Contractor's lien

waivers submitted with interim Applications for Payment shall reflect all costs up to the date of the Application. Lien waivers from subcontractors, suppliers and others accompanying interim Applications for Payment may be submitted one month in arrears. Lien waivers submitted with the final Application for Payment shall reflect the full values of Contractor's efforts; and, all subcontracts, materials purchases, and other Project costs.

Applications for Payment shall be reviewed by the Engineer within ten (10) calendar days of the submittal and returned to the Contractor for correction or forwarded to the Owner for approval, as appropriate. Engineer and Contractor must agree to quantities forwarded to the Owner. Any disputed quantities not included in the Application for Payment must be resolved within thirty (30) calendar days with any adjustments from disputed quantities to be included on the following Application for Payment. Applications for Payment certified by the Engineer must be in the City offices by the close of business on the last working day of each month. The Owner will pay the Contractor within thirty (30) calendar days of receipt of Applications for Payment certified by the Engineer.

Retainage shall be withheld as follows:

'There shall be deducted from the amount so determined for the first 50 percent of the completed work a sum of ten percent to be retained until after the completion of the entire work to the satisfaction of the Engineer. After 50 percent or more of the work is completed, the City may, at its discretion, certify the remaining partial payments without any further retention, provided that satisfactory progress is being made, and provided that the amount retained is not less than five percent of the total adjusted contract price."

Delete the first, third, and fourth paragraphs of Article 109.08 and add the following:
"Final payment will be made within sixty (60) calendar days after the Work is fully completed and accepted by the Owner and the Contract fully performed. Request for final payment shall be prepared by the Contractor and accompanied by the documentation hereinafter listed. Quantities for this Contract shall be subject to the contract unit price applied to final measured quantities.

Neither the final payment nor any part of the retained percentage shall become due until the Contractor delivers to the Owner a complete release of all liens arising out of this Contract, or receipts in full in lieu thereof, and in either case, an affidavit that so far as he has the knowledge or information, the releases and receipts include all the labor and material for which a lien could be filed, but the Contractor may, if any subcontractor refuses to furnish a release or receipt in full, furnish a bond satisfactory to the Owner, to indemnify the Owner against any lien. If any liens remain unsatisfied after all payments are made, the Contractor shall refund to the Owner all moneys that the Owner may be compelled to pay in discharging such liens, including all costs and Attorney's fees.

With his final payment request, the Contractor shall submit the following data:

Documents to be Submitted With
Application for Final Payment

(a) DBE Utilization Final Report
(b) Contractor prepared Record – Drawings
(c) Illinois Works Apprenticeship Initiative Periodic Report

Add the following as the first two paragraphs of Article 109.09:

“The Contractor shall notify the Engineer immediately when the Contractor becomes aware of any circumstances which the Contractor believes may lead to a claim for extra cost. Where possible, the Contractor shall delay proceeding with work which may result in the claim for extra cost until the Engineer has had a reasonable opportunity to review the situation, unless such delay will materially disrupt the prosecution of the Work or unless immediate Contractor action is required to resolve an emergency which endangers life or property. The purposes of the Engineer's review are: to verify that a claim for extra cost may be warranted, to make modifications to the Work to avoid or minimize the extra cost, and/or to monitor the Contractor's performance of the work generating the extra cost. For those situations where the Engineer is not notified prior to the Contractor performing work which causes the claim, the amount of extra cost to which the Contractor is entitled shall not include costs which, in the Engineer's sole opinion, could reasonably have been avoided if the Contractor had notified the Engineer prior to proceeding with the Work.

The Contractor shall submit, in writing, claims for extra cost to the Engineer as soon as possible after the occurrence of the event(s) giving rise to the claim, but not more than thirty (30) calendar days thereafter. Claims shall include appropriate supporting documentation as specified in following paragraphs to justify the extra cost claimed. This documentation shall include, as a minimum: a description of the circumstances which generated the claim, prior notifications provided to the Engineer, and a detailed breakdown of costs incurred by the Contractor. In the event that this documentation cannot be assembled within thirty (30) calendar days or if the extra cost is ongoing, the Contractor shall submit, in writing, whatever partial information is available to keep the Engineer informed of the Contractor's progress. Extra costs incurred by the Contractor solely because of the particular means and methods which the Contractor chooses to perform the Work will not be considered. Claims submitted more than thirty (30) calendar days after the occurrence of the event(s) giving rise to the claim will not be considered.”

Delete the first, second and third paragraphs of Article 109.09 sub-paragraph (e) and replace them with the following:
“(e) Procedure. All claims and supporting documentation shall be submitted to the Engineer. The Engineer shall review each claim and advise the Owner of the Engineer's opinion of the relative merit of each claim and the dollar and/or time adjustment which the Engineer believes is warranted, if any. The Owner shall make a determination of the merit of each claim and the dollar and/or time adjustment, if any, which is appropriate for resolution of the claim. If Contractor is dissatisfied with the Owner's decision regarding merit, dollar adjustment, and/or time adjustment associated with a claim, the Contractor may request arbitration in accordance with the following:

- All claims, counter-claims, disputes and other matters in question between the Owner and the Contractor arising out of, or relating to this Agreement or the breach of it, will be decided by arbitration if the parties mutually agree, or in a court of competent jurisdiction within the State.

- Notice of the demand for arbitration shall be filed in writing with the other party to the Contract Documents and with the American Arbitration Association, and a copy shall be filed with the Engineer. Demand for arbitration shall in no event be made on any claim, dispute or other matter in question which would be barred by the applicable statute of limitations.

- The Contractor will carry on the Work and maintain the progress schedule during any arbitration proceedings, unless otherwise mutually agreed in writing.”

SUBMITTALS

This section includes general requirements and procedures related to the Contractor's responsibilities for preparing and transmitting submittals to the Engineer to demonstrate that the performance of the Work will be in accordance with the Contract requirements. Submittals include schedules, Contractor's Drawings, calculations, samples, manuals, methods of construction, and record drawings. Other requirements for submittals are specified under applicable sections of the Standard Specifications.

SUBMITTAL REQUIREMENTS

Not later than three days after the pre-construction conference, submit in writing a list of submittals and a list of materials and equipment that will be purchased giving name, address and telephone number of supplier, manufacturer or processor. No material shall be incorporated into the Work until approval of the source has been given by Engineer. Delivery of materials to the Contract site prior to approval is made at the Contractor's risk and subject to immediate removal at no cost to the Owner, when it is determined that the source is not acceptable.

CONTRACTOR'S DRAWINGS AND OTHER SUBMITTALS

Contractor's drawings shall be neat in appearance, legible and explicit to enable proper review relative to Contract compliance. They shall be complete and detailed to show fabrication, assembly and installation details, catalog data, pamphlets, descriptive literature, and performance and test data. They shall be accompanied by calculations or other sufficient information to provide a comprehensive description of the structure, machine or system provided and its intended manner of use.

Contractor's Responsibility

Each Contractor's drawing submitted by the Contractor shall have affixed to it the following Certification Statement, signed by the Contractor:

"**Certification Statement:** By this submittal, I hereby represent that I have determined and verified all field measurements, field construction criteria, materials, dimensions, catalog numbers and similar data and I have checked and coordinated each item with other applicable approved drawings and all Contract requirements."

The review and approval of Contractor's drawings by the Engineer shall not relieve the Contractor from his responsibility with regard to the fulfillment of the terms of the Contract. All risks of error and omission are assumed by the Contractor, and the Engineer will have no responsibility therefore.

No portion of the Work requiring a Contractor's drawing shall be started nor shall any materials be fabricated, delivered to the site, or installed prior to the approval or qualified approval of such item. Fabrication performed, materials purchased or on-site construction accomplished which does not conform to approved Contractor's drawings and data shall be at the Contractor's risk. The Owner will not be liable for any expense or delay due to corrections or remedies required to accomplish conformity.

Contract Work, materials, fabrication, and installation shall conform with approved Contractor's drawings.

Identification

Data - All submittals for approval shall have the following identification data, as applicable, contained thereon or permanently adhered thereto.

1. Owner Contract Number.
2. Project name and location.
3. Submittal Numbers. Re-submittals shall bear original submittal number and be lettered.
4. Product identification.
5. Drawing title, drawing number, revision number, and date of drawing and revision.
6. Applicable Contract drawing numbers and specification section and paragraph numbers.
7. Subcontractor's, vendor's, and/or manufacturer's name, address and phone number.
8. Contractor's certification statement.

Catalog Data - Each submittal of catalog data shall have the identification required as hereinbefore stated.

1. Catalogs or brochures submitted in packages of multiple items for approval need the identification only on the exterior. In such instances the identification shall include page and catalog item numbers for items submitted for approval. If one or more of the items in such a submittal are not approved, re-submittal of only the unapproved items is required.

2. Catalog cuts containing various products, sizes and materials shall be highlighted to show particular items being submitted.

Space - Vacant space of approximately 3-1/2-inches high by 4-inches wide shall be provided adjacent to the identification data to receive the Engineer's status stamp.

Shop Drawings

Shop drawings shall show types, sizes, accessories, weights, layouts including plans, elevations and sectional views, component, assembly and installation details, and all other information required to illustrate how applicable portions of the Contract requirements will be fabricated and/or installed. Include manufacturer's certified performance curves, catalog cuts, pamphlets and descriptive literature, as required.

Working Drawings

Submit working drawings as required for changes, substitutions, contractor design items, and designed methods of construction. Requirements for working drawings will be listed in appropriate Specification Sections and/or in Special Provisions. Drawings shall be accompanied by calculations or other information to completely explain the structure, and describe its intended use. Working drawings and calculations as submitted shall be sealed, dated and signed by a Professional Engineer, and/or Structural Engineer as appropriate, registered in the State of Illinois.

Review and approval of such drawings by the Engineer shall not relieve the Contractor from

his responsibility with regard to the fulfillment of the terms of the Contract. All risks of error are assumed by the Contractor and the Engineer shall have no responsibility therefore.

Catalog Data
Submittals - 6 copies of catalog data are required for the original submittal and each subsequent re-submittal that may become necessary.

Manufacturer's equipment data shall be certified and shall include materials type, performance characteristics, voltage, phase, capacity, and similar data. Provide wiring diagrams when applicable. Indicate catalog, model and serial numbers representing specified equipment. Provide complete component information to verify all specified required items.

Data Identification - Each submittal shall have all pertinent data contained therein that are applicable to the item submitted for approval, adequately and prominently designated.

Approval Process
Original Submittal - Copies of catalog data specified in Item F and one reproducible sepia and six legible prints of all shop and working drawings shall be submitted to the Engineer for approval in accordance with the Contractor's drawings submission schedule, with all fabrication and installation requirements, allowing at least 30 calendar days for checking and appropriate action by the Engineer. Three copies of all Contractor's drawings will be returned.

Contractor's drawings will be returned, stamped with one of the following classifications:

APPROVED

No corrections, no marks.

APPROVED AS CORRECTED

Minor corrections are required as noted on the submittal. All items may be fabricated as marked without further resubmission. Resubmit corrected copy to the Engineer.

REVISE AND RESUBMIT

Make the necessary corrections and resubmit drawings as per original submission. Thirty (30) calendar days will be allowed for checking and appropriate action by the Engineer. Only one stamped drawing will be returned.

NOT APPROVED

Requires corrections or is otherwise not in accordance with the Contract Documents. Correct and resubmit drawings as per original submission. Thirty (30) calendar days will be allowed for checking and appropriate action by the Engineer. Only one stamped drawing will be returned. Incomplete submittals or submittals not in conformance with this Specification will not be reviewed, but will be returned to the Contractor as "not approved".

INFORMATION ONLY

Items not reviewed or items for which submittals are not required.

Review and approval of Contractor's drawings by the Engineer shall not relieve the Contractor in any way from his responsibility with regard to the fulfillment of the terms of the Contract. All risks of error are assumed by the Contractor and the Engineer shall have no responsibility therefore.

Excessive Reviews of Contractor Drawings and Other Submittals

The Owner's cost for Engineer's effort to review Contractor drawings or other submittals which have been returned two or more times stamped "REVISE AND RESUBMIT" or "NOT APPROVED" shall be borne by the Contractor at a rate of $120.00 per labor hour for services provided in 2010. Upon completion of each subsequent review, the Engineer will provide the Contractor a summary total of hours expended in performing the review. Moneys due the Owner for Engineer's cost for third and additional reviews of Contractor drawings and other submittals will be deducted from the next regular payment due the Contractor. The cost for these services shall be deducted from the “Amount Earned to Date” from the next regular payment due the Contractor.

RECORD DRAWINGS

The Contractor shall keep one record copy of all Contract Documents, reference documents, and all submittals at the site in good order and annotated to show all revisions made during the construction process. Such annotations shall be kept updated on a single set of Contract Drawings and will be inspected monthly. Failure to maintain current record drawings will be cause to delay progress payments. Record drawings shall be available to the Engineer at all times during the life of the Contract.

All drawings and Contractor's submittals shall be made a part of the record drawings and shall include the following:

Contract Drawings - Contractor shall annotate or redraft, as required, to show all revisions, substitutions, variations, omissions and discrepancies made or discovered during construction concerning location and depth of utilities, piping, duct banks, conduits, manholes, pumps, valves, vaults and other equipment. Revisions shall be made and shown on all drawing views with actual dimensions established to permanent points.

Contractor's Drawings - Same as above. Include, for example, piping layouts; and duct layouts. Sections and details shall be added as required, for clarity. Prior to preliminary inspection, furnish a reproducible of the record drawings. At the completion of the Contract and before final payment is made, furnish the Engineer one set of reproducible of the finally approved record drawings reflecting all revisions herein described.

The Contractor shall keep a complete to-date record of the actual construction of all work called for under the Plans and Specifications of this contract and as ordered by the Engineer.

Upon completion of this contract, the Contractor shall furnish to the Engineer record contract plan drawings where changes from the original plans have occurred.

The Engineer will make available to the Contractor one set of full size prints of the original contract drawings on which the Contractor shall make the necessary changes to indicate the major changes. The changes shall be made with opaque Higgins carmine red ink, or approved equal, using standard drafting procedures.

Record drawings on Mylar will be prepared by the Engineer based on the changes indicated

by the Contractor. All record drawings on Mylar for this contract shall be signed by the Contractor certifying to its major corrections.

PAYMENT
No separate payment will be made for the work in this section; all the costs of such work shall be considered incidental to the items of work to which they pertain.

SAW CUTS
The Contractor shall full-depth saw cut for the removal of existing curb, sidewalk, all structure work, and for all pavement patches. The concrete saw shall be equipped with a diamond blade of sufficient size to saw pavements full-depth and be capable of accurately maintaining cutting depth. All saw cuts shall be parallel or perpendicular to the curb & gutter, edge of sidewalk, or the edge of pavement, with straight, clean, edges, to the satisfaction of the ENGINEER. This item shall be included with curb & gutter, sidewalk, structure work, and pavement removal. The slurry resulting from the saw cutting work shall be immediately washed away using water to prevent tracking by vehicles or pedestrians to the satisfaction of the ENGINEER.

When removing pavement, curb and gutter, shoulder, and/or any other structures, the use of any type of concrete breakers which might damage the underground public or private utilities or property will not be permitted. Pavement openings must be initiated with hydraulic impact/air hammers and the use of excavator buckets to strike and break pavement is strictly prohibited and will result in an immediate deficiency deduction.

Saw cuts for all work will not be measured for payment and shall be considered as included in the related contract pay item. No separate payment will be made for saw cuts.

If additional surface is damaged or removed due to negligence on the part of the Contractor, the additional work will not be measured for payment but shall be done at the Contractor's expense. It is Contractor's responsibility to determine the thickness of the existing pavement and whether or not it contains reinforcement.

CLEARING, TREE REMOVAL AND PROTECTION, CARE AND REPAIR OF EXISTING PLANT MATERIALS
Add the following paragraphs to Article 201.01:
"Trees and shrubs recommended for removal for performance of the Work are so designated on the Drawings, or agreed to with the Property Owner only for those locations requiring full replacement of their lead water service. It is not anticipated that any other trees or shrubs will need to be removed for performance of the Work. Should the Contractor recommend removing additional trees or shrubs, the Contractor shall notify the Owner for approval prior to removing any trees or shrubs and seek a tree removal permit per City code. To receive permission for removal of trees or shrubs, the Contractor must demonstrate that there is no other practicable way to complete the Work, including augering or hand-excavation. Contractor shall work with the Engineer to seek a tree preservation permit or review for any excavation that will occur within 25 feet of any public or private tree. Permit fees are waived. Trees removed on either public or private property shall be replaced one tree 2 inches in diameter, with a species approved by the City arborist, and shall be paid for using the LANDSCAPING ALLOWANCE.

Owner recognizes that some tree branches will need to be pruned to provide clearance for construction equipment. However, the Contractor shall secure the express permission of the City Arborist to trim specific overhanging branches of trees. All tree trimming, pruning, and repair of wound surfaces shall be performed by a licensed arborist approved by the Owner and will be

within standards generally recognized as best practice by industry professionals. The Owner will provide appropriate staff to observe tree trimming operations. The Contractor shall provide at least 72-hour notice to the Owner of trimming operations. No trimming shall be done unless Owner's staff is available to observe trimming. Trimming shall be performed to the satisfaction of Owner's staff. The Contractor shall provide proper tree guards to protect trees from damage due to construction equipment and operations.

Trees and shrubs damaged due to construction operations or removed without approval shall be replaced, at Contractor's expense, with trees or shrubs of like species and size, to a maximum trunk size of 2-inches diameter as directed by the City Arborist. If trees larger than 6-inches diameter are irreparably damaged or destroyed, the Contractor shall replace these trees with trees 2-inches in diameter, and with a species chosen by the City Arborist. Contractor may be subject to additional mitigation and/or fees and penalties, per City code. Tree trimming, pruning, repair of wound surfaces, removal of trees and shrubs requested by Contractor, replacement of trees and shrubs irreparably damaged, and mitigation costs and/or penalties for damage, shall be incidental to the items of work to which they pertain."

Parkway and Private Tree Protection

Prospective contractors are advised that it is the express intent of the City of Evanston to minimize trimming of and other impacts to trees in the work corridors and to vigorously protect the health and quality of the urban forest on both public and private property. The equipment and methods used to perform any and all portions of the work must be the size and nature that results in the least disruption to the existing environment. The City of Evanston reserves the right to limit the size of the equipment used on the project.

The Contractor shall at all times demonstrate to the satisfaction of the City of Evanston that suitable precautions and due diligence are being observed to protect the natural and improved features of the area. Special and continuing attention will be paid to the maintenance of tree protection fencing and the appropriate observance of tree protection areas as delineated by the fencing.

To ensure compliance with the City of Evanston's intent to minimize area disturbances, the following procedures and actions will be followed: When the City arborist determines that a tree is improperly protected, the Contractor shall be notified. If the contractor fails to rectify the deficiency immediately, the Engineer will impose a daily monetary deduction for each 24-hour period (or portion thereof) the deficiency exists. This time period will begin with the time of notification to the Contractor and end with the Engineer's acceptance of the corrections. The cost of the daily deduction will be $250 per occurrence per calendar day. In addition, the Contractor will be liable and responsible for any and all corrective and remedial actions required to restore the area or item to comparable pre-project conditions as well as any additional fines and fees as stated in the tree protection requirements in these specifications, including a potential penalty of $500 per occurrence per calendar day

Care of Existing Plant Material. If construction is planned within the critical root zone of existing plant material, root pruning and plant care will be required, as hereinafter specified. All pruning shall be performed by a certified arborist approved by the City and with appropriate qualifications.

The Contractor shall be responsible for taking measures to minimize damage to any part of any public and private trees, including limbs, trunks, and roots at each work site. All such measures shall be included in the contract price for other works except that payment will be made for Temporary Fence and Earth Saw Cut of Tree Roots as separate pay items.

A. Earth Saw Cut of Tree Roots (Tree Root Pruning):

1. Whenever the proposed excavation falls within the drip-line of a tree, the contractor shall:
   a. Root prune 6-inches behind and parallel to the proposed edge of trench a neat, clean vertical cut to a minimum depth directed by the City Arborist through all the affected tree roots.

   b. Root prune to a maximum width of 4 inches using a “Vermeer” wheel matching the following criteria. The root pruner wheel shall be 60” diameter (188” circumference) carrying 28 pair (56 total) stump cutter teeth with tooth spacing at 6.7” on center. The cutting depth shall be 24” and shall utilize a 65hp tractor. Trenching machines will not be permitted.

   c. Exercise care not to cut any existing utilities.

   d. If during construction it becomes evident that additional tree roots will require root pruning, the City Arborist and the Contractor shall have the root pruning sub-contractor return to the site to properly root prune the tree at the location directed by the City Arborist. The contractor will be paid for the additional root pruning as described below; however, no additional compensation will be made for remobilization to the construction site.

   e. For locations where root pruning is performed for the purpose of curb and gutter removal and replacement, the contractor shall root prune 6-inches behind the curbing so as to neatly cut the tree roots.

   f. Depth of cut shall be 12 inches for curb removal and replacement and 24 inches for structural work. Any roots encountered at a greater depth shall be neatly saw-cut at no additional cost.

   g. The Engineer or City Arborist will mark locations where earth saw cutting of tree roots is required in the field.

2. All root pruning cuts shall be immediately backfilled with material side cast from the earth-sawing procedure, so that the ground surface is even and no tripping potential exists.

3. All root pruning work is to be performed through the services of a certified arborist approved by the City Arborist.

TREE ROOT PRUNING shall be used to protect trees on on both public and private property within 25 feet of any excavation within the project limits or as directed by the City arborist and the Engineer, and is dependent on the size, location, and species of each tree. This work will be paid for at the Contract unit price per FOOT for TREE ROOT PRUNING measured in place.

The Contract unit price per FOOT for TREE ROOT PRUNING shall be payment in full for all materials, labor and equipment required for: tree root pruning as shown on plan details; and all related work which is not included under other Payment Items.

B. Temporary Fence:

1. The Contractor shall erect a temporary fence around all trees within the construction area to establish a “tree protection zone”, as established by City arborist, before any work begins or any material is delivered to the jobsite. No work is to be performed (other than root pruning), materials stored, or vehicles driven or parked within the “tree protection zone” at any time during the course of construction.

2. The exact location and establishment of the “tree protection zone” fence shall be approved by the City Arborist prior to setting the fence. The fence shall be 48 inches high, plastic poly-type or any other type of highly visible barrier in an open-weave type pattern with large openings. The type, color and pattern of the fence shall be approved by the Engineer prior to erection. This fence shall be properly maintained in an upright manner and shall remain up until final restoration, unless the Engineer directs removal otherwise. Tree fence shall be supported using T-Post style fence posts with a maximum of 8’ spacing. T-posts must be at least six feet in length, two feet of which must be set in the ground. The fence shall be attached to posts and secured with a minimum of three nylon locking ties per post. Utilizing re-bar as a fence post will not be permitted.

3. The fence shall be installed 18” behind and parallel to the curb and between the curb and sidewalk. Fence shall be erected on a minimum of three sides with the fourth sidewalk side being optional. Fence shall be installed at the tree protection zone of the tree or at a minimum of 8 feet from the center of the tree.

   a.

4. Parking or maneuvering of machinery, stockpiling of materials or any other use will not be allowed upon unpaved areas within 10 feet of the trunk of trees designated to be protected.

5. Construction area is defined as all areas within 10 feet of any excavation.

6. All work within the “tree protection zone” shall have prior approval of the City Arborist. All slopes and other areas not re-graded should be avoided so that unnecessary damage is not done to the existing turf, tree root system, or ground cover.

7. The grade within the “tree protection zone” shall not be changed unless approved by the Engineer prior to making said changes or performing the work.
8. U-shaped, non-uniform, or other fencing around multiple trees is permitted and encouraged as approved by the City arborist or Engineer.
9. If excavation is within 5 feet of the trunk of the tree such that protection fencing is not possible, Contractor shall protect the trunk using boards, as detailed below.

TEMPORARY FENCE shall be used to protect all trees within the public right-of-way of the project limits or as directed by the Engineer. This work will be paid for at the Contract unit price per FOOT for TEMPORARY FENCE measured in place.

The Contract unit price per FOOT for TEMPORARY FENCE shall be payment in full for all materials, labor and equipment required for: providing snow fence as shown on plan details; and all related work which is not included under other Payment Items.

When improvements are required within the “tree protection zone”, tree trunk protection will be required.

C. Tree Trunk Protection:

The Contractor shall provide 2 in. by 8 in. by 8 ft. boards banded continuously around each trunk to prevent scarring of trees shown on the plans or designated by the Engineer. For multi-stem trees, saplings, and shrubs to be protected within the area of construction, temporary fencing may be used for trunk protection

TREE PROTECTION shall be used to protect all trees within the public right-of-way of the project limits or as directed by the Engineer. This work will be paid for at the Contract unit price per EACH for TREE PROTECTION measured in place.

The Contract unit price per EACH for TREE PROTECTION shall be payment in full for all materials, labor and equipment required for: installation of trunk boards in accordance with Supplemental Standard Specifications; and all related work which is not included under other Payment Items.

D. Tree Pruning:

Tree pruning shall consist of pruning branches to protect the health of the tree, protect the canopy from damage, maintain the structural integrity of the tree, to ensure public safety, and to preserve the aesthetic qualities of the urban forest, or as directed by the City arborist of Engineer. All pruning shall be done according to the current ANSI A300 (part 1) pruning standard. Trees selected for pruning will be cleaned of dead, diseased, or broken branches, thinned appropriately to reduce density of branches, raised to provide vertical clearance for pedestrian and vehicular traffic, and if warranted by species tolerance and specimen needs limbs will be reduced to promote a central leader and good structure. Pruning to provide clearance over the street will be allowed up to 14 feet above the pavement. If additional clearance is needed a request in writing shall be submitted to the City Arborist. All branch pruning to American elm and oak trees will be done between when the trees are dormant. Dormancy is generally between November and March, but will vary by year and will be defined the City arborist.

Under pruning to provide clearance over the street will be allowed up to 14 feet above the pavement. If additional clearance is needed a request in writing shall be submitted to the City Arborist.

TREE PRUNING will be paid for at the contract unit price per EACH for TREE PRUNING, which price shall include under pruning branches to provide clearance over the street, to protect the health of the tree, protect the canopy from damage, maintain the structural integrity of the tree, to ensure public safety, and to preserve the aesthetic qualities of the urban forest,.

E. Exploration Trench by Tree:

Where water services are located in close proximity to a tree, the City's Public Services Bureau may request that the contractor hand-dig or use an air-spade (or similarly approved method) to open an exploration trench to expose a tree's roots prior to any excavation. Exploration trenches ordered by Public Services will be measured for payment per EACH for actual trenches excavated and backfilled to the depth specified. The City arborist will assess the site when the exploration trench is complete to determine how root pruning will proceed to complete the project work. This work will be paid for at the Contract unit price per EACH for EXPLORATION TRENCH BY TREE (UP TO 2 FEET DEEP).

Each unit of exploration trenches shall be 1 foot wide and 5 feet in length. The Public Services Bureau will determine the locations needed. These Contract unit prices shall be payment in full for all labor, materials, and equipment required for: pavement saw-cutting, removal, and disposal; trench excavation and disposal; protection of existing utilities and repair of damage to existing utilities.
Where water services are located in close proximity to any public or private tree, and large roots are cut, the City's Public Services Bureau may request that the Contractor perform plant health care, including growth inhibitors, soil amendments, and/or other treatments. These treatments shall be prescribed by a certified arborist and follow standards generally recognized as best practice by industry professionals. PLANT HEALTH CARE BY TREE to be paid for using the LANDSCAPING ALLOWANCE as directed by the Engineer.

DISPOSAL OF EXCAVATED MATERIAL
This work shall consist of meeting IEPA requirements for the disposal of excavated material including, but not limited to, clean construction or demolition debris (CCDD), uncontaminated soil, and/or contaminated soil. Excavated materials must be removed from the site by the end of each day.

The Contractor will be responsible to provide CCDD and soil fill site operators with all testing information and fees as required by the IEPA and fill site operators.

According to the environmental testing performed at each project site, the soil at the following locations cannot be treated as CCDD:

- Brown Ave from Simpson Street to Foster Street (High PH)

TRENCH BACKFILL
Add the following paragraphs to Article 208.02:

Water Main
Bedding (4" below bottom of pipe to spring line) – Coarse Aggregate
Trench backfill (spring line to bottom of pavement) – Fine Aggregate

Rigid Sewer
Bedding (4" below bottom of pipe to spring line) - Coarse Aggregate
Trench Backfill (spring line to bottom of pavement) – Fine Aggregate

Flexible Sewer
Bedding (4" below bottom of pipe to 12" above top of pipe) - Coarse Aggregate
Trench Backfill (spring line to bottom of pavement) – Fine Aggregate

Fine aggregate shall consist of sand (natural) gradation FA 6. Stone sand, chats, wet bottom boiler slag, slag sand, granulated slag sand, or crushed concrete sand will NOT be allowed.

Coarse aggregate shall be crushed gravel or crushed stone gradation CA-7, CA-11 or CA-13. Gravel, crushed concrete, crushed slag, chats, crushed sandstone, or wet bottom boiler slag will NOT be allowed.

Case I - Trench Backfill in Paved Areas. Case I applies to excavation in any area which has or

which is proposed to have a permanent type street, sidewalk, curb and gutter, bituminous paved parking lot, or is within 2 feet of a paved surface. Trench backfilling shall be performed in accordance with Article 550.07 modified herein. Where backfilling a trench containing a single longitudinal pipe, the Contractor shall use fine aggregate gradation FA-6 sand (natural). Where backfilling a trench containing multiple longitudinal pipes (common trench), the Contractor shall use coarse aggregate gradation CA-7, CA-11, or CA-13 crushed gravel or crushed stone from 4-inches below the bottom of the lowest pipe to 12-inches above the crown of the highest pipe and fine aggregate gradation FA-6 sand (natural) from 12-inches above the crown of the highest pipe to the pavement sub-grade. Granular trench backfill shall be compacted to a minimum of 95% Standard Proctor Density as per ASTM-D698. Where native subsoils excavated from trenches meet the gradation, quality, and other requirements of Article 1003.04, this material shall be used to backfill trenches in lieu of new FA-6 material.

Use of native soil for backfill shall be incidental to the cost of the sewer or water main installation and no separate payment shall be made. Use of native soils for backfill that has been transported between different locations on this project shall be incidental to the cost of the sewer or water main installation unless otherwise approved in advance by the Engineer.

Trenches shall be backfilled with FA-6 sand (natural) granular material or native subsoils meeting FA-6/quality requirements up to the proposed bottom of the pavement structure within the standard trench width. The remainder of the trench shall be backfilled as soon as possible with full-depth temporary aggregate. The temporary aggregate shall be coarse aggregate and shall consist of gravel, crushed gravel, crushed stone, or crushed concrete. Crushed slag and grindings from PCC or HMA surface removal operations will NOT be allowed.

When specified by the Engineer, the top of the trench shall also receive temporary asphalt surfacing consisting of 3-inches of compacted hot-mix asphalt with a steel drum roller over the temporary aggregate. The temporary aggregate shall be re-graded and compacted as necessary to permit the surface of the temporary asphalt to be flush with existing hard-surface pavements. Temporary asphalt shall be placed and compacted with a steel drum roller as soon as practical after backfilling the trench and placing the aggregate surface course.

The Contractor shall maintain temporary aggregate and temporary asphalt surfaces free from, ruts, potholes or other displacements and provide means for dust control until such time as the permanent pavement is placed. Should settlement occur, the Contractor shall furnish and install additional temporary paving material to maintain the surface at street grade. Maintenance of temporary paving shall be incidental to the initial paving operation and no separate payment shall be made.

Delete Article 208.04 and replace it with the following:
Trench backfill fine aggregate material will be paid for at the contract unit price per CUBIC YARD for TRENCH BACKFILL furnished and placed between the top of bedding (at spring line) and the bottom of the pavement structure within the standard trench widths as shown on the plans. The contract unit price for TRENCH BACKFILL shall be payment in full for all materials, labor, equipment, transportation and related work required to furnish Case I FA-6 sand (natural). No payment will be made for the hauling, compaction, placement, and testing of accepted native soils used as trench backfill.

TRENCH BACKFILL required for filling outside the standard trench widths shown on the plans shall be incidental to storm sewer, water main, relief sewer or combined sewer construction contract items and no separate payment shall be made.

Trench backfill coarse aggregate material will be paid for at the contract unit price per TON for POROUS GRANULAR BACKFILL furnished and placed between the trench subgrade and the pipe spring line for rigid pipe and to 12” above the top of pipe for flexible pipe.

Temporary aggregate will be paid for at the contract unit price per TON for AGGREGATE FOR TEMPORARY ACCESS installed as specified in Section 402, as modified herein, and as directed by and to the satisfaction of the Engineer. Removal and disposal of temporary aggregate will not be paid for separately but shall be considered as included in the contract.

Temporary HMA surface will be paid for at the contract unit price per TON for TEMPORARY HOT-MIX ASPHALT. Removal and disposal of temporary asphalt will not be paid for separately but shall be considered as included in the contract. With approval from the Engineer, there may be times when temporary cold mix asphalt will be allowed which will be paid for at the contract unit price per TON for TEMPORARY COLD-MIX ASPHALT.

TOPSOIL FURNISH AND PLACE
Add the following paragraph to Article 211.04:
Topsoil shall be pulverized.

Revise Article 211.07 of the Standard Specifications to read:
Topsoil furnish and place shall be that material obtained from outside the right-of-way or private property of those locations impacted by the Contract Documents and will be measured for payment by truck load material delivery ticket displaying volume in cubic yards.

Revise Article 211.08 of the Standard Specifications to read:
This work will be paid for at the contract unit price per cubic yard for TOPSOIL FURNISH AND PLACE.

EXPLORATION TRENCHES
Delete Section 213 in its entirety and replace it with the following:

SECTION 213. EXPLORATION TRENCH

213.01 Description. The Contractor shall excavate exploration trenches as directed and approved by the Engineer to confirm the locations and/or sizes of existing water and sewer utilities. Exploration trenches shall be excavated using methods minimizing possible damage to the utilities. Following completion, trenches shall be backfilled in accordance with Section 208 and temporary paving provided as necessary to the satisfaction of the Engineer. Exploration trenches dug by the Contractor for his own purposes shall be incidental to construction and no separate payment shall be made.

213.02 Utilities Encountered. If, during the exploratory excavation process, utilities are uncovered which cause interference with the Work, the Contractor shall stop all affected work and immediately notify the Engineer.

213.03 Trenches Requested by Engineer. The Engineer may also request that the Contractor excavate exploration trenches in the Project area.”

Exploration trenches ordered by the Engineer will be measured for payment per EACH for actual trenches excavated and backfilled to the depth specified. This work will be paid for at the Contract unit price per EACH for EXPLORATION TRENCH (UP TO 8 FEET DEEP).

Each unit of exploration trenches shall be up to 5 feet in length. These Contract unit prices shall be payment in full for all labor, materials, and equipment required for: pavement saw-cutting, removal, and disposal; trench excavation and disposal; protection of existing utilities and repair of damage to existing utilities.

Temporary pavement, permanent pavement patching, and any other necessary restoration will be paid for separately.

SODDING

Add the following paragraph to Article 252.01:

"All grassed areas disturbed by Contractor's operations shall be restored by sodding. To be acceptable, the sod shall be in a live, healthy condition and be knitted to the soil. Sod shall be growing in place for forty-five (45) calendar days prior to measurement. Only living sod that is acceptable will be measured for payment."

Add the following paragraph to Article 252.02:

"On major roadways (arterial streets, main streets, State and County routes, etc.) sod for public parkway areas and other areas within 25 feet of public roadways shall be salt-tolerant. The sod for most residential streets does not have to be salt-tolerant, at the Engineer's discretion. Sod for other areas shall be native sod matching the species, color, and texture of adjoining grass areas as approved by the Engineer."

Add the following to Article 252.03:

"Sod bed preparation shall include the placement of top soil, including excavating and grading the areas to be sodded to a depth of at least 3-inches below a line connecting the top of the curb and the top of the sidewalk, disposing of the material removed and placing pulverized topsoil on the space so prepared, raked and ready for sodding. The topsoil shall be free from quack grass and weeds and shall be approved by the Engineer before placing. One rolling of the entire surface of the soil shall be made. Existing sidewalks, curbs and trees, and the like, which are not to be removed, shall be protected from damage during the placement of topsoil."

Add the following paragraph to Article 252.04:

"The Contractor is encouraged to refrain from placing sod during the months of July and August, when possible within the required construction schedule. No sod may be placed between November 1 and March 1 unless approved by the Engineer. Regardless of the time of placement and subsequent climatic conditions, the Contractor shall water sod sufficiently to maintain it in a healthy condition until accepted by the Owner. Sod shall be in a moist condition at the time of cutting and shall be kept in a moist condition until it is placed. Sod cut less than 24 hours before placement is preferred. Sod cut more than 48 hours before placement shall not be used."

Add the following to Article 252.06:

"The placement of sodding shall consist of preparing the ground surface and furnishing, transporting, and placing sod and fertilizer required in the sodding operations. Fertilizer having an analysis of 10-6-4 or having a different analysis but still meeting the 5-3-2 ratio requirements, shall be applied at such a rate that each acre to be sodded shall receive a total of 160 pounds of the three nutrients specified in Article 1081.08. The fertilizer nutrient will not be paid separately but shall be incidental to the cost of sod placement."

Delete the first paragraph of Article 252.08 and replace it with the following paragraphs:
"Within eight hours after sod has been placed five gallons of water per square yard shall be applied and the entire surface of sod rolled. Thereafter, on days designated by the Engineer, additional water shall be applied to sodded areas at the rate of three gallons per square yard. The number of additional applications shall not exceed ten and these applications will be required within a forty-five (45) calendar day growing period after the sod has been placed. The cost of this watering program shall be incidental to the cost of sodding.

The Contractor shall perform additional watering to maintain sod in a healthy condition. The cost of additional watering shall be incidental to the cost of sodding. Any sodding that does not survive will be replaced by the Contractor at his own expense."

Delete Article 252.13 and replace it with the following paragraphs:
This work will be paid for at the Contract unit price per SQUARE YARD for SODDING, measured in place for the quantity actually installed within the pay limits shown on the plans, as hereinafter specified, or as directed by Engineer.

Grassed areas to be restored by SODDING include parkways and all other turf areas which have been disturbed by construction activities.

The Pay limits for grassed areas to be restored by SODDING shall be up to 3-foot of parkway adjacent to curbs, driveways, sidewalks and alley approaches installed as part of this Project; up to 10-feet (to a maximum of 5-feet each side of utility centerline, as required) of parkway disturbed for crossing utility construction; and, up to 16 feet (to a maximum of 8-feet each side of utility centerline, as required) of the parkway for longitudinal utility construction. The Contract unit price for SODDING shall be payment in full for all materials, labor and equipment required for: site preparation; disposal of surplus materials; fertilizers; furnishing, transporting and placing sod; stakes; all watering; mowing; replacement of sod which fails to survive through the establishment period; and all related work required to complete the installation which is not included under other Payment Items.

Sodding outside the limits shown on the plan or specified due to damage caused by Contractor's operations or for Contractor's purposes shall be considered incidental to the contract and no separate payment shall be made.

Preparation of areas to be sodded, rotor tilling and removal/disposal of existing grass, dirt, and debris, will not be measured or paid for separately but shall be considered as included in this pay item.

SUBBASE GRANULAR MATERIAL, TYPE B
Add the following paragraphs to Article 311.02:
"The Contractor shall furnish and place 4 inches or greater coarse aggregate conforming to Article 1004.04 and Article 311.05 (Type B) with a gradation number of CA-6 for use as the base course for all driveways, curb and gutter, as shown on the plans and as directed by the Engineer (aggregate base course for pavement patching is incidental to the patching pay item).

The coarse aggregate shall be gravel, crushed gravel, crushed stone, or crushed concrete. Crushed slag and grindings from PCC or HMA surface removal operations will NOT be allowed.

For existing driveways the existing base materials may be suitable for reuse as determined by the Engineer. Base course shall be placed on the prepared sub-grade. Temporary aggregate suitable for reuse as granular subbase will not be paid for separately as Subbase Granular Material, Type B."

Delete Article 311.09 and replace it with the following paragraphs:
"This work will be paid for at the Contract unit price per TON for SUBBASE GRANULAR MATERIAL, TYPE B, or at the Contract unit price per SQ YD for of the thickness specified for BASE COURSE, CA-6.

The Contract unit price for SUBBASE GRANULAR MATERIAL, TYPE B, and BASE COURSE, CA-6 shall be payment in full for all materials, labor and equipment required for: site preparation, including final grading of trench backfill material; supply, initial placement, compaction and compaction testing of the aggregate base course; and, all related work to complete the installation which is not included under other Payment Items.

The payment shall be limited to the actual amount of SUBBASE GRANULAR MATERIAL, TYPE B, installed within the horizontal and vertical payment limits shown on the plans or specified for curb/gutter, driveways, and at other locations as directed by Engineer (aggregate base course is incidental to all patching and sidewalk pay items unless otherwise noted on the plans)."

INCIDENTAL HOT-MIX ASPHALT SURFACING
This work shall consist of the preparation of the base, the application of bituminous priming material and the construction of the Hot-Mix Asphalt surface for driveway pavements.

The Hot-Mix Asphalt for the Incidental Hot-Mix Asphalt surface shall meet the requirements of Section 406 of the Standard Specifications for Road and Bridge Construction. Areas where the Incidental Hot-Mix Asphalt surfacing will be placed shall have the base primed. The rate of application of prime will be as specified in Article 406.05.

The Hot-Mix Asphalt mixture may be spread and finished by approved hand methods or a finishing machine approved by the Engineer.

The Hot-Mix Asphalt mixture shall be rolled and compacted to the satisfaction of the Engineer with tandem roller meeting the requirements of Article 1101.01 of the Standard Specifications for Road and Bridge Construction.

This work will be paid for at the contract unit price per ton for "INCIDENTAL HOT-MIX ASPHALT SURFACING", which price shall include all labor, materials and equipment necessary to complete the work. Saw cutting and HMA surface removal will not be paid for separately but shall be considered as included in the contract unit price for incidental HMA surfacing.

The cost of Bituminous Materials (Tack Coat) will not be paid for separately but shall be incidental to the unit price per ton for INCIDENTAL HOT-MIX ASPHALT SURFACING.

PORTLAND CEMENT CONCRETE DRIVEWAY PAVEMENT
Add the following paragraphs to Article 423.02:
"Materials: - Materials for concrete shall be in accordance with Section 420 as applicable. Class SI concrete shall be used. Forms shall be a minimum of 2" x 8" lumber or its approved equal,

held in place by stakes or braces with the top edges true to line and grade. The aggregate base course shall be four (4") inches thick of crushed limestone gradation CA-6 constructed in accordance with Section 351 of the Standard Specifications. The driveway pavement shall be six (6") inches or eight (8") inches thick. Three-quarter (3/4") inch thick expansion joint material shall be placed between the curb and the full width of the proposed driveway. Contraction joints shall be provided.

Curing and Protection: Curing shall be in accordance with Article 1022.01. Curing compound shall be Type III. Protect all surfaces from sun. During hot weather, keep temperature of concrete below 90 degrees Fahrenheit. During cold weather, keep temperature of concrete between 50 degrees F and 70 degrees F for 3 to 5 days. Protect from frost and rapid drying for 6 days. The Contractor shall be solely responsible for protecting his work from vandalism. All vandalized concrete work shall be removed and replaced at the Contractor's expense."

Delete Article 423.11 and replace it with the following paragraphs:
This work will be paid for at the Contract unit price per SQUARE YARD for PORTLAND CEMENT CONCRETE (PCC) DRIVEWAY PAVEMENT, of the thickness specified, measured in place. Payment shall be made for the quantity of pavement actually installed within the pay limits shown on the Drawings or as directed by Engineer.

The Contract unit price for PCC DRIVEWAY PAVEMENT shall be payment in full for all materials, labor, and equipment required for: final grading of aggregate base course; reinforcement, if required; pavement placement, curing, and protective coating; and all related work required to complete the installation which is not included under other Payment Items.

PCC DRIVEWAY PAVEMENT installation outside the limits shown on the Drawings due to damage caused by Contractor's operations or for Contractor's purposes shall be considered incidental to this work and no separate payment shall be made.

PORTLAND CEMENT CONCRETE SIDEWALK
Add the following sentences to Article 424.01:
"The Work shall also include adjustments to surface elements such as buffalo boxes, valve covers, manhole covers, vault covers, etc. to final grades."

Add the following sentences to Article 424.02:
"Curing shall be in accordance with Article 1022.01. Curing compound shall be Type III. Protect all surfaces from sun. During hot weather, keep temperature of concrete below 90 degrees Fahrenheit. During cold weather, keep temperature of concrete between 50 degrees F and 70 degrees F for 3 to 5 days. Protect from frost and rapid drying for 6 days."

Add the following sentences to Article 424.04:
"The Aggregate Base Course required for necessary grading will not be paid for separately and constructed in accordance with section 351 of the Standard Specifications."

Add the following paragraphs to Article 424.06:
"Concrete placement will be permitted if air temperature is 40 degrees Fahrenheit or higher. Concrete pours shall be ended at expansion or control joints. Partial slabs shall not be allowed. The surface shall be divided by control joints extending to the depth of the slab. Control joints shall be tooled first, saw-cut to proper depth and shall be spaced at 5-foot or other uniform intervals as directed by the Engineer. All edges and intermediate joints of sidewalks shall be shaped with an edging tool having a ½ inch radius. Surfaces of sidewalks shall have a light broom

finish, except handicapped ramps at intersections, which shall be finished as shown on the Drawings.

All sidewalk removed shall be formed within 3 working days of removal. New sidewalk shall be poured within 1 working day of being formed. The forms shall be removed within 1 working day after the concrete pour and the restoration adjacent to new sidewalk shall be done with 24 hours after removal of the forms. All low areas shall be filled in to match the surrounding grades within 72 hours of the sidewalk being poured.

The Contractor shall be solely responsible for protecting his work from vandalism. All vandalized concrete work shall be removed and replaced at the Contractor's expense"

Add the following paragraphs to Article 424.09:
"The product used for detectable warnings shall be Prefabricated Detectable Warning Panels (Red Brick) manufactured by one of the following:
> Access Products, Inc. (888-679-4022)/ Supplier (630-689-7574)
> Armorcast Products Company (818-982-3600)
> Detectable Warning Systems, Inc. (866-999-7452)
> www.TUFTILE.com (888-960-8897)."

HOT-MIX ASPHALT SURFACE REMOVAL, VARIABLE DEPTH
Add the following sentence to Article 440.01:
"Cold milling will not be allowed prior to the completion of the installation of relief sewers, combined sewers, storm sewers, or water mains."

Revise the first sentence of Article 440.04 of the Standard Specifications to read:
The existing HMA surface and underlying HMA base, PCC base, brick base, or aggregate base shall be removed to varying depths (nominal depth of 3") as specified on the plans and/or as directed by the Engineer with a self-propelled milling machine.

Add the following to Article 440.04:
"HMA Surface Removal, Variable Depth shall include any additional passes of the milling machine required to remove an existing quarter crown and establish the proposed pavement cross slope as shown on the plans. These operations shall be considered incidental to the work, and no separate payment shall be made."

Delete Article 440.08 and replace it with the following paragraphs:
"This work will be paid for at the Contract unit price per SQUARE YARD for HOT MIX ASPHALT SURFACE REMOVAL, VARIABLE DEPTH outside of the standard trench width, but within the payment limits for full-width street resurfacing shown on the plans and/or as directed by the Engineer.

The Contract unit price for HOT MIX ASPHALT SURFACE REMOVAL, VARIABLE DEPTH shall be payment in full for all materials, labor, and equipment required for: planning of pavement; loading and disposal of milled pavement and aggregate cuttings; sweeping of the planed surface of fines and dust; and related work required. Measurement for cold milling shall be based on actual pavement area milled, but shall not include the trench portion if the pipe trench is located in the milling area.

Cold milling outside the pay limits specified to repair damage caused by Contractors operations or which have been removed/replaced for Contractor's purposes shall be considered incidental to the work and no separate payment shall be made."

PAVEMENT PATCHING

Add the following paragraph to Article 442.01:
"Class B patches shall conform to Section 353-Portland Cement Concrete Base Course and Class D patches shall conform to Section 355 – Hot-Mix Asphalt (HMA) Base Course. Existing pavement is to be removed and replaced in accordance with the Drawings. The quantification sub-types: I, II, III, and IV, shall not apply."

Add the following paragraph to Article 442.04:
"Roadway restoration activities, except installation of final HMA surface course, shall be carried out such that no more than 1,000 lineal feet of permanent roadway is removed at any one time for each open-cut pipe installation operation; no more than 1,000 feet of permanent roadway is removed per active mainline sewer or water main installation crew; and, such that the period that the permanent roadway removed at any location does not exceed thirty (30) calendar days, without the approval of the Engineer. In no case, however, shall the total length of permanent roadway removed exceed 2,500 lineal feet regardless of the number of open-cut sewer or water main construction operations (active mainline crews) underway.

Installation of final HMA surface shall be completed not later than thirty (30) calendar days after patch/base course installation. All streets, roads, alleys, and drives disturbed in any construction year shall be fully resurfaced and restored, including surface course, by December 1 of that construction year in accordance with Article 108.02 of the Standard Specifications."

Add the following sentences to the first paragraph of Article 442.05:
"The Contractor shall saw-cut existing pavements to full depth, along the line of the maximum allowable trench width as showing on the Drawings. All excavated material including paving bricks shall be properly disposed of off-site. No drop hammer and/or guillotine-type concrete breakers/cutters shall be utilized for pavement removal. No earth saw shall be utilized to saw-cut pavement."

Add the following sub-paragraph to Article 442.06 Paragraph (a) Subparagraph (2):
"On streets having a concrete base and HMA overlay, PCC concrete base patches will be 2 inches below existing pavement surface."

Add the following to Article 442.08 - Class D Patching:
"(e) Hot-Mix Asphalt Mixture for Patching Potholes (Temporary Hot Mix and Cold Mix). This work shall consist of the removal of loose and broken pavement and the construction of a temporary HMA concrete patch on the existing roadway to be used to maintain traffic during construction as specified at locations designated by the Engineer. Between April 15 and December 1, Hot Mix shall be applied and the HMA mixture shall conform to Section 406. Between December 16 and April 14, Cold Mix may be used."

Delete Article 442.11 and replace it with the following paragraphs:
"This work will be paid for at the Contract unit price per SQUARE YARD for CLASS B PATCHES, SPECIAL; CLASS D PATCHES, SPECIAL; CLASS D PATCHES, SPECIAL – WIDENING; FULL DEPTH PATCHES, SPECIAL; and FULL DEPTH PATCHES, SPECIAL - WIDENING of the thickness shown on the Drawings, measured in place. Payment shall be

made for the quantity of patch actually installed within the pay limits shown on the Drawings or as directed by Engineer.

These Contract unit prices shall be payment in full for all materials, labor and equipment required for: saw-cutting (full depth), removal, and disposal of existing pavement and sub-base to proposed subgrade; furnishing, placement and final grading of aggregate base course, new paving materials and installation; furnishing and installing contraction joints, dowel bars, and expansion joints as required; finishing and additional reinforcement where required for concrete pavement; and related work required to complete the installation which is not included in other Payment Items.

For Class B and Full Depth Patches, the quantities for payment purposes shall be based on the maximum allowable width of the trench at the top of the subgrade. This payment width shall not exceed a maximum dimension as indicated by the details shown on the Drawings. The length of removal and replacement shall be measured along the centerline of the pipe over which removal and replacement is made. Length of removal and replacement for all patching shall include distances through manholes and other structures.

For Full Depth Patches, the payment thickness shall be: 9" PCC and 2" HMA thickness to existing pavement surface elevation as shown on the plans.

Additional pavement removal and replacement beyond the maximum pay widths shown on the Drawings required to complete the Work or for Contractor's purposes shall be considered incidental to combined sewer, relief sewer, storm sewer, sanitary sewer, and water main construction and no separate payment shall be made.

Additional aggregate base course outside the pay limits shown on the Drawings required to complete the Work or for Contractor's purposes shall be considered incidental to the work and no separate payment shall be made."

STORM (COMBINED) SEWERS

Delete Article 550.01 and replace it with the following:

"**550.01 Description**. This work shall consist of constructing combined, relief, and storm sewers of the required inside diameter with necessary fittings and appurtenances."

Delete Article 550.03 and replace it with the following:

"**550.03 Pipe Material Requirements**. Pipes used in sewer construction shall be as follows and as indicated on the drawings. Pipes shall be of uniform material and structural class between structures:

(a) Combined sewers 4 to 15 inches in diameter and more than 5 feet deep; relief sewers 4 to 15 inches in diameter and more than 5 feet deep; and sanitary service connection piping other than specified in Paragraph d following - Poly-vinyl chloride (PVC) pipe conforming to ASTM D-3034 having joints conforming to ASTM D-3212. Pipe shall be a solid wall product not thinner than SDR 26 with minimum stiffness of 115 psi. Where minimum separation requirements between sewer pipe and water main are not met, the use of Poly-vinyl chloride (PVC) pipe conforming to AWWA C-900 and rated for 150 psi (DR18) having joints conforming to ASTM-3139 and ASTM F-477 is required.

(b) Combined sewers 16 to 24 inches in diameter and more than 5 feet deep; and,

relief sewers 16 to 24 inches in diameter and more than 5 feet deep (alternate bid item**)** - Poly-vinyl chloride (PVC) pipe conforming to ASTM F-679 having joints conforming to ASTM D-3212 and a solid wall not thinner than SDR26 with minimum stiffness of 115 psi may be used in lieu of DR25 pipe at Contractor's option. Where minimum separation requirements between sewer pipe and water main are not met, the use of Poly-vinyl chloride (PVC) pipe conforming to AWWA C-905 and rated for 165 psi (DR25) having joints conforming to ASTM-3139 and ASTM F-477 is required.

(c) Catch basin and inlet leads; relief sewers 4 to 24 inches in diameter and 5 feet or less in depth or where indicated on drawings; sanitary sewer service connection piping crossing under other utilities; and, combined sewers 4 to 24 inches in diameter where indicated on drawings - Ductile iron pipe conforming to ANSI 21.51 (AWWA - C151); of a minimum thickness Class 52 as designed per ANSI A21.50 (AWWA - C150) except as designated on the Contract Drawings; tar (seal) coated per ANSI A21.4(AWWA - C104); and, with push-on joints per ANSI A21.11(AWWA - C111)."

Add the following paragraphs to Article 550.04:
"The width and depth of trench excavation for all pipes shall be as shown on the Drawings. Along the proposed pipe alignments indicated on the Drawings, Contractor shall remove the surface materials only to such widths as will permit a trench to be excavated, which will afford sufficient room for efficient and proper construction. Where sidewalks, driveways, pavements, and curb/gutter are encountered, care shall be taken to protect such against fracture or disturbance beyond these working limits.

Prior to the placement of all pipes, bedding shall be placed on the trench bottom, compacted and shaped to receive the pipe. Bedding shall consist of crushed gravel or crushed limestone conforming to CA-7, CA-11, or CA-13 of Section 1004 for RCP and DIP sewers, and ASTM D2321 Class IB for PVC Sewers. Geotextile filter fabric, Trevira 1114 or equal, shall be provided to encase the pipe bedding and initial pipe cover in trenches through wet, soft, and/or granular native soils and elsewhere as directed by Engineer. The geotextile fabric shall be placed as shown on the Drawings.

The trench shall be excavated to the alignment and depth required and may be advanced up to 50 feet ahead of the pipe laying operation during working periods and up to 20 feet ahead of pipe laying operations during non-work periods. Trenching operations shall be terminated at the end of each day's work in locations which do not obstruct roadways, alleys or driveways. In general, the length of open trench shall not exceed 70 feet from the forward cut to the completely backfilled trench nor shall more than one street crossing be obstructed by the same trench at any one time. Open cut excavations shall be reduced to a maximum length of 30 feet for overnight protection.

Roadway restoration activities, except installation of final HMA surface course, shall be carried out such that no more than 1,000 lineal feet of permanent roadway is removed at any one time for each open-cut pipe installation operation; no more than 1,000 feet of permanent roadway is removed per active mainline sewer or water main installation crew; and, such that the period that the permanent roadway removed at any location does not exceed thirty (30) calendar days, without the approval of the Engineer. In no case, however, shall the total length of permanent roadway removed exceed 2,500 lineal feet regardless of the number of open-cut sewer or water main construction operations (active mainline crews) underway. Roadways shall be reinstated as soon as possible after sewer and water main installation.

Contractor shall conduct dewatering as necessary to maintain the water table level below the trench bottom prior to and during pipe laying, jointing and backfilling. The dewatering operation, however accomplished, shall be carried out so that it does not destroy or weaken the strength of the soil under or alongside the trench.

Contractor shall divert all sanitary flow around the construction area by means of flumes or temporary by-pass pumping systems. Pumping shall be sufficient such that no backing up of sanitary flow will occur. Contractor shall be responsible for all damage resulting from negligence in creating restrictions to flow within the sewer system. Contractor shall not interrupt the flow from individual sanitary services for more than four hours. Sanitary flows shall not be diverted into catch basins or relief sewers.

Open-cut trenches shall be supported as required to fully protect life, existing utilities, adjacent structures, pavements, and the Work. Trench support is an integral part of the Contractor's means and methods. The Contractor shall employ the services of a registered (Illinois) Structural Engineer, registered (Illinois) Professional Engineer, Geotechnical Engineer, and other professionals as necessary to prepare designs of support systems. The support systems shall conform to Federal laws, State laws and municipal ordinances. The minimum protection shall conform to the recommendations in O.S.H.A. Safety and Health Standards for Construction. A sand box or trench shield may be used as permitted by O.S.H.A.

For sewers located in unpaved areas, augering construction shall be made where the sewer passes within a distance of tree diameter times 8 or 8 feet, whichever is greater, from trees. For sewers located in paved areas, augering construction shall be made where the sewer passes within a distance of tree diameter times 5 or 8 feet, whichever is greater, from trees. The auger shall be approximately 6 inches larger than the outside diameter of the pipe bell and extend not less than 10 feet or as shown on drawings, whichever is greater, from the base of the tree in both directions. The annular space between pipe and auger wall shall be filled with granular material. Augering work shall be considered incidental to the construction of sewers and no separate payment shall be made."

Delete the first paragraph of Article 550.05 and replace it with the following:
"Sewers designated on the Drawings to be abandoned shall be filled with Controlled Low-Strength Material (CLSM), unless otherwise specified by the Engineer. CLSM shall meet the following requirements:

(a) Materials. CLSM shall consist of a mixture of Portland cement, fly ash, fine aggregate, and water proportioned to provide a backfill material that is self-compacting and capable of being excavated with hand tools if necessary at a later date. All materials shall meet the following requirements:

Portland Cement, Type I	Section 1001
Water	Section 1002
Fine Aggregate (Natural Sand)	Section 1003.02
Fly Ash	Section 1010.02

(b) Proportioning. Materials for CLSM shall be proportioned as follows:

Portland Cement	50 lbs.
Fly Ash	300 lbs. (if Type F) or 200 lbs. (if Type C)

Fine Aggregate (Saturated Surface Dry)	2900 lbs.
Water	45-65 gallons

These quantities will yield approximately one cubic yard of CLSM of the proper consistency. The flowability shall be observed by the Engineer and the water content adjusted within the specified limits to produce desired results. The CLSM shall be ready-mixed as specified in Section 1020.11 of the Standard Specifications. Sufficient mixing capacity shall be provided to permit the CLSM to be placed without interruption. The mixer drum shall be completely emptied prior to the initial batch of CLSM to ensure that no additional cement fines are incorporated into the mix.

(c) Placement. The CLSM shall be discharged directly from the truck into the space to be filled, or by other methods approved by the Engineer."

Add the following paragraphs to Article 550.06:
"Laying of sewer pipe shall be accomplished to line and grade in the trench only after it has been dewatered and the foundation and/or bedding have been prepared. Mud, silt, gravel, and other foreign material shall be kept out of the pipe and off joint surfaces. All pipe laid shall be retained in position so as to maintain alignment and joint closure until sufficient backfill has been completed to adequately hold the pipe in place.

Pipe alignment shall not deviate by more than 0.5 inch or 0.25 inch per foot of diameter, whichever is greater, from true vertical alignment; or 2.0 inches or 0.5 inch per foot of diameter, whichever is greater, from true horizontal alignment, prior to and following placement and compaction of backfill. Sewers found to vary from these alignment criteria shall be excavated and relayed or otherwise corrected as approved by the Engineer.

Contractor shall check line and grade of each pipe section installed with laser beam; and, in the event they do not meet specified limits described hereinafter, the work shall be immediately stopped, the Engineer notified, and the cause remedied before proceeding with the Work.

Installation of PVC sewers shall conform to ASTM D2321. After installing any sewer on the bedding and the joint made, backfilling to one foot above the crown of the pipe shall be placed to form a granular encasement. The pipe shall be laid so that it will be uniformly supported for the entire length of its pipe barrel fully bearing on the aggregate cradle. No blocking of any kind will be permitted to adjust the pipe to grade.

All branch sewer connections shall meet the structural, jointing, and water-tightness requirements for the mainline pipe to which they are made. Break-in-connections will not be allowed. Connections of pipe 18-inches in diameter or smaller to RCP may be made using cast-in or cored-in flexible couplings meeting ASTM C-923, or precast wye or tee fittings as approved by Engineer. Connections of pipe larger than 18-inch diameter to RCP shall be with pre-cast wye or tee fittings as approved by Engineer. Connections to PVC or DIP shall be made using factory-made wye or tee fittings. Tapping saddles may NOT be used for connections to PVC pipe. Connections may be tees or wyes at Contractor's option, unless shown otherwise on the Drawings.

Plugs for pipe branches, stubs, or other open ends, which are not to be immediately connected, shall be made of an approved material and shall be secured in place with a joint comparable to the main line joint. Stoppers may be of an integrally cast breakout design.

Shear resistant couplings as manufactured by Fernco Inc. or approved equal shall be used for connections of new pipe to existing pipe, and where dissimilar pipe and joint materials are

encountered. Connections may not be made with only stainless steel shear rings. An associated bushing is required at all connections."

Add the following paragraphs to Article 550.07:
"Covering of the pipe to a depth of one-foot over the top of the pipe shall be performed by a method which assures that materials fill and support the haunch areas of the pipe, encasing the pipe to the limits as indicated. The aggregate shall be placed in layers not exceeding six inches (6") in thickness and carried up at the same levels on both sides of the pipe. Each layer shall be thoroughly compacted and tamped under and around the pipe.

Cover and backfill shall be compacted in accordance with Method 1 or Method 3, and shall achieve a Standard Proctor Density of not less than 95 percent as tested in accordance with Section 106. To facilitate compaction by Method 3, the Contractor shall provide a well point/pump system, sump pits and pumps, or other proactive procedures approved by the Engineer for extracting the water used for backfill compaction from the pipe bedding material. The spacing between extraction points shall be sufficient to assure adequate water velocities for the jetting process and to assure that the backfill and/or bedding will not become over-saturated such that compaction is lost. In any case, jetting water extraction points shall be located not more than 400 feet apart.

Following completion of the backfilling process, the final layer of backfill shall also be inundated with water in accordance with Method 2. The Contractor shall repair any subsidence which occurs prior to paving by adding additional backfill material and compacting in accordance with Method 1.

Contractor shall repair any subsidence greater than 1½ inches which occurs following paving by removing paving, installing additional backfill, compacting in accordance with Method 1, and re-installing paving. Contractor shall repair any subsidence 3-inches or less which occurs following base course paving by installing additional leveling binder immediately prior to installation of the bituminous surface course. Contractor shall repair any subsidence, which occurs following installation of bituminous surface course by installation of additional surface course. The unsettled pavement surrounding the subsidence area shall be milled to a depth of 1½ inches for at least the full lane width each way of the subsidence transverse to the direction of traffic and 20-feet each way of the subsidence longitudinal to the direction of traffic.

Concrete pavement displaced more than ½ inch by subsidence shall be removed and replaced to the nearest contraction joints, expansion joints, curbs, or transitions to other pavement types, as applicable. The cost of correcting subsidence, including additional paving, shall be borne by the Contractor at no additional cost to the Owner, whether that subsidence is caused by the Contractor's failure to adequately compact backfill or otherwise perform the Work, or is inherent in the construction methods utilized, including tunneling."

Add Article 550.11 which shall read as follows:
"Contractor shall be responsible for all on-site and off-site testing for the Work performed under this Section. Contractor shall retain the services of an independent certified testing laboratory to perform all testing. All testing shall be in accordance with Section 106 of this Specification and the Standard Specifications. Copies of all on-site and off-site test reports shall be submitted to the Engineer. Certified test reports will be acceptable for material proposed to be incorporated into the Work; however, final acceptance will be based on the material as it is actually incorporated into the Work. Testing shall including the following:

Pre-construction and Post-construction Sub-surface Videotaping. Prior to commencing construction and following completion of construction, Contractor shall conduct a closed-circuit internal television inspection of existing mainline combined, storm and sanitary sewers along the routes of the proposed relief sewer, combined sewer, and water mains. The purpose of the televising is to document the condition of the existing sewers prior to the start of the construction and any change in condition, which occurs as a result of construction. Following completion of sewer and water main installation, infiltration/exfiltration testing, backfill compaction testing, and deflection testing, but before final restoration and placing sewers in service, the Contractor shall conduct an internal television inspection of all new mainline sewers 48 inch in diameter or smaller. Inspection of new mainline sewers shall be performed in the presence of the Engineer.

The closed circuit camera and other televising equipment used shall be specifically designed for sewer line inspection. The camera shall be cable drawn. The camera shall be high-resolution color and shall be equipped with a lighted, pivoting head to view branch connections. For sewers 24-inches and larger, the camera shall be mounted on an appropriately sized skid so that the camera is centered in the sewer. Camera pull speed through the mainline pipe shall not exceed 30 feet per minute, the camera should be paused at every connection, and the camera panned to view the full interior of the connection. Crawler-type cameras shall not be used unless the sewer cannot be televised using cable drawn equipment, such as dead-end sewers or sewers so obstructed that pulling cables cannot be installed. If, during the internal inspection, the camera cannot pass through the entire sewer from a single set-up, the sewer internal inspection shall be completed using a reverse set-up from an adjacent manhole. If the sewer cannot be inspected over the remainder of its full length using the reverse set-up, Contractor shall notify the Engineer immediately while the camera remains in the sewer.

Contractor shall record the internal inspection on DVD format. Each DVD made shall be labeled "City of Evanston, 2025 Prioritized Watermain and Lead Water Service Line Replacement Project" and shall be consecutively numbered. An index of each videotape shall be provided which includes tape number, street/alley location (including names of end-blocks), beginning manhole number, ending manhole number, length of sewer, diameter of sewer, beginning and ending tape counter numbers. Contractor shall utilize the Owner's manhole numbering system (available through Engineer) to identify the existing sewer sections televised. For post-construction inspection of new sewers, the manhole numbering system shown on the Drawings, prefaced by "City of Evanston, 2024 Water Main Improvements and Street Resurfacing Project, PW-WMRS-2301" or other project designation, shall be utilized. The upstream manhole number, downstream manhole number and footage from beginning manhole shall be superimposed on the video image.

Contractor shall also prepare a written report for each section of sewer televised. Each report shall be labeled "City of Evanston, 2025 Prioritized Watermain and Lead Water Service Line Replacement Project" and shall be coordinated with the DVD. For each sewer section televised, the report shall include: date of inspection, videotape reference number including counter readings, street location (including names of end-blocks), beginning manhole number, ending manhole number, length of sewer, diameter of sewer, and pipe material. The report shall note the locations (as a distance from the beginning manhole) the locations, orientations (o'clock position) and appropriate size parameters of: service and other connections; pipe defects, such as cracks, offsets, sags, deformations and break-in connections; water infiltration; mineral, grit, and grease build-ups; root intrusions; and, other irregularities.

Backfill Compaction. During the installation of Case I backfill material, the Contractor shall conduct density testing specified in Article 550.07 in accordance with Section 106. The cost of testing shall be incidental to storm sewer, water main, relief sewer and combined sewer

installation and no separate payment shall be made.

Infiltration/Exfiltration Testing. Contractor shall conduct infiltration testing of each manhole-to-manhole section of relief sewer after the pipe is installed and backfilled, but before street paving operations commence. If Contractor elects to compact backfill by jetting (Article 550.07 - Method 3), then the infiltration test shall be performed during the jetting operation. Where the depth of the ground water is less than 24 inches over the crown of the pipe at the upstream section to be tested, an exfiltration test shall be used in place of an infiltration test.

Infiltration tests shall be made by measuring the flow of infiltrating water over a calibrated weir set up in the invert of the sewer. Personnel for reading flow measuring devices will be furnished by the Engineer, but all other labor, equipment, material and water, including gauges and meters, will be furnished by the Contractor.

Exfiltration tests shall be made by bulk-heading the section to be tested and completely filling the subject sewer. The bulkheads shall be watertight and shall be adequately braced to withstand the head of water pressure that will be applied in the testing process. As such, the Contractor shall employ the services of a Registered (Illinois) Structural Engineer for bulkhead and bulkhead bracing design. The exfiltration test shall be conducted by filling the sewer to a level four feet above the crown of the sewer in the manhole at the upper end of the section being tested. The rate of flow required to keep this required level will be the exfiltration. Tests shall be conducted for at least two hours.

No additional pipe shall be laid until the infiltration/exfiltration test on each manhole-to-manhole section of pipe meets specified limits following:

Exfiltration: 100 gallons per day per inch of pipe diameter per mile of sewer.
Infiltration: 100 gallons per day per inch of pipe diameter per mile of sewer.
No visible leaks which endanger the pipe or surrounding bedding/ backfill.

If the specified infiltration/exfiltration limits are exceeded, the Contractor shall televise or internally inspect the sewer in the presence of the Engineer to identify the source(s) of the leakage. Contractor shall immediately make all repairs and/or replacements necessary to achieve the specified infiltration/exfiltration limits. After all repairs are made, the Contractor shall again make an infiltration or exfiltration test. All costs of internal inspection to locate leakage sources, other testing and pipe correction shall be borne by the Contractor at no additional cost to the Owner.

Deflection Testing. For PVC pipes, a deflection test shall also be performed as described in the Standard Specifications for Water and Sewer Construction in Illinois. The maximum permitted deflection shall be 5 percent. Those pipe sections failing deflection testing shall be corrected by re-excavating the pipe, allowing the pipe to return to its circular cross-section (or replacing the pipe if necessary), and replacing the pipe cover and backfill. Devices that generate internal pressures or vibrations shall not be used to correct pipes failing the deflection test. The cost for defection testing and pipe correction shall be incidental to the prices bid for Sewer Items. No additional payment will be made for deflection testing or correction of defects located."

Internal Television Inspection: Following completion of open-cut sewer installation, infiltration/exfiltration testing, backfill compaction testing, and deflection testing, but before final surface is installed, the Contractor shall conduct an internal television inspection of all mainline sewers installed. The television camera used shall be high resolution color, shall be equipped with a revolving head capable of viewing up service connections, and shall be equipped with a

footage counter which records on the videotape. For televising pipes 54-inches and smaller, the camera shall be stopped at each lateral connection and the camera head rotated to give a full view of the interior of the lateral. DVD format shall be made of the internal inspections and given to the Owner. The cost of televising the Relief Sewer, Combined Sewer, Storm Sewer, Sanitary Sewer, shall be considered incidental. No additional payments will be made for this work.

Delete Article 550.09 and replace it with the following paragraphs:
"Measurement of sewers shall include all straight sections of pipe and all bends and other fittings, including wyes, tees, reducers and rubber check valves actually installed. The measurement for relief and combined sewers of the materials and sizes specified shall not include the distance through base tee manholes, other manholes, and drop structures. In the case of cast-in-place structures, the distance not included in relief and combined sewer measurement shall be the length from outside of the structure wall on the upstream side of the structure to the outside of the structure wall on the downstream side of the structure as shown on the Drawings. In the case of precast structures, the distance not included in relief and combined sewer measurement shall be the distance between the first joints in standard pipe sections upstream and/or downstream of the structure. Measurement and payment for manholes, base tee sections and other structures shall be made under the appropriate Payment Items for these structures."

Delete Article 550.10 and replace it with the following paragraphs:
"Installation of storm sewers, relief sewers, and combined sewers shall be paid on a Contract unit price basis per LINEAR FOOT for sewer of the diameter, material, and strength class specified. Payment items are defined below for the various sizes, classes, and materials used, including RCP (reinforced concrete pipe), DIP (ductile iron pipe), and PVC (poly-vinyl chloride) pipe.

The Contract unit prices for RCP, DIP, and PVC sewers shall be payment in full for all materials, labor, and equipment required for: site preparation, including removal, replacement and/or repair of fences and other site objects; trench excavation, including removal and disposal of existing sewer pipes, structures, and excess excavated materials; protection, support and repair of damage to existing utilities; support of trench walls, including shoring and bracing; dewatering of trenches; temporary pumping of flows in existing and new sewers; sewer pipe, including fittings, fittings as necessary to reconnect catch basin outlet leads, risers, adapters, couplings, collars and other components; connection of existing sewers to the proposed sewer; abandonment of existing sewers where called out on the Drawings, including filling and placement of required plugs; bedding placement and compaction to one foot above the top of the pipe; backfill placement, compaction and compaction testing; infiltration/exfiltration testing of sewers; internal television inspection of all pipes; deflection testing of sewers; correction of defects; and, other related work required to complete the installation which is not included under other Payment Items.

The Contract unit price for RCP, DIP, and PVC sewers shall include: combined sewer repairs where shown on the Drawings.

These items shall not include the costs of installations and adjustments of sanitary and water services, which shall be paid for in accordance with the appropriate Payment Items. Adjustment of other existing house service utilities, including gas, electric, cable TV and telephone services, shall be considered incidental to the work and no separate payment shall be made.

Roadway, sidewalk, driveway, and curb/gutter removal/replacement outside the pay limits shown on the Drawings required for completion of the work or for Contractor's purposes shall be incidental to combined sewer, relief sewer, storm sewer, and sanitary sewer construction and no separate payment shall be made.

Pre and Post Construction Sub-Surface Videotaping shall be paid for at the Contract unit price per FOOT of sewer for PRE AND POST CONSTRUCTION SUB-SURFACE VIDEOTAPING of existing combined and storm sewers on streets in which tunnels, relief sewers, and water mains are proposed, at locations as specified, where not covered by other payment items, and at other locations as directed by Engineer. The Contract unit price shall be payment in full for all materials, labor, and equipment required for: traffic control; cleaning of existing sewers (jetting); internal videotaping existing mainline combined sewers and storm sewers, including reverse set-ups, retrieving stuck televising equipment or repairing of sewers damaged by the televising effort; providing one copy of the videotapes (DVD format) and reports to the Owner and other related work required. This item will be measured for payment separately for pre-construction and for post-construction footage.

Sub-surface videotaping will be required before the start of construction and will also be required following completion of the construction (but prior to installation of the bituminous surface course).

The quantity shall not include pre-construction or post-construction videotaping for: sewer liner installation, new relief sewer installation, new storm sewer installation, and new combined sewer installation, all of which shall be considered incidental to the Contract."

WATER MAIN

Add the following to Article 561.01:

"Where shown on the Drawings, Line Stopping shall be performed. This work shall involve the placement of a self-contained hydraulic unit within an operating water main for the purpose of installation of a valve and/or other connection with the existing system without interruption of service."

Add the following to Article 561.02:

(a) All materials shall be Made in America

(b) Line Stops. The line-stop unit shall be a self-contained hydraulic (hand pump operated) ram. The line-stopping device shall be of such a design that, when hydraulic pressure is applied, the bladder will expand and conform to the I.D. of the pipe and tuberculation inside the main (if any) will be moved outside of the sealing area.

The line-stop shall be of the 'Short Stop' variety, which will require removing only the top of the pipe during the operation. All fittings shall employ an I.D. thread, screw-type engagement together with O-Ring seal for bubble-tight completion. After insertion of plug, a screw-on cap will be used and bolted down. The system shall be capable of containing a water pressure of 150 psi. The line-stopping system shall be Hydro-Stop or approved equal. Line-stop sleeves shall be Style "Evanston Sleeve Total Seal" Extra Heavy Duty as manufactured by Hydro Stop or equal.

(c) Fasteners. Stainless steel bolts will be used on all fittings or mechanical joints.

(d) Fittings. All fittings furnished shall be ductile iron conforming to AWWA Standard for Ductile Iron Compact Fittings C153, 350 psi rating. Fittings shall be mechanical joint and shall be

equipped with Mega-Lug or equal joint restraining glands. Restraining glands which rely on the bearing of screw-points on the water main wall shall not be utilized. All fittings shall be cement-mortar lined inside and bituminous-coated outside, in accordance with Sec. 51-8 - ANSI A21.51 (AWWA C104 and C151).

(e) Valves. Gate valves and tapping valves with sleeve and cut in-valves 24-inches and smaller in size shall be resilient wedge mechanical joint type, manufactured to meet or exceed the requirements of AWWA C515, latest revision. Gate valves larger than 24-inches in size shall be of double disc type to meet AWWA C500 requirements and shall be in accordance with the following specifications:

i. Valves shall be Waterous Series 2500 or approved equal and shall have the manufacturer and year cast on the body with raised letters.

ii. Valves shall have an unobstructed waterway equal to or greater than the full nominal diameter of the valve. The sealing mechanism shall consist of a cast iron gate having a vulcanized synthetic rubber coating. The resilient sealing mechanism shall provide zero leakage at the design water pressure of 150 psi when installed with the line flow in either direction. All valves are to be tested in strict accordance with AWWA C515 or AWWA C500.

iii. Valves shall have non-rising stems made of cast, forged, or rolled bronze shown in AWWA C515. Two stem seals shall be provided and shall be of the O-ring type.

iv. Valves shall be equipped with cast iron operating nuts and shall be secured to the stem with stainless steel bolts. Valves shall turn counterclockwise, or left (looking downward at the operating nut) to open.

v. The valve body, bonnet and cover shall be cast iron ASTM A126, Class B. All internal and external surfaces shall be coated with epoxy to a minimum thickness of 4 mils. Bonnet bolts shall be stainless steel.

(f) Fire hydrant with auxiliary valve and valve box. Hydrants shall conform in all respects to the American Water Works Association Standard C502 latest revision and shall meet the following specifications:

i. Hydrants shall be Waterous Pacer. The hydrant shall have a breakaway flange at the ground line and shall be for five and one-half (5-½) or six (6) feet of cover as appropriate. Hydrant size shall be 5-¼ inch valve opening with a 6-inch mechanical joint inlet connection. Stem seals shall be "O-Ring" type. Hydrants shall be equipped with drain outlets. Finish color above the ground line shall be red. Note red color shall extend at least 6-inches below the intended ground line. Hydrant shall be installed such that the breakaway flange is installed within two (2) inches of the finished grade. The breakaway flange must not be buried. All buried bolts shall be stainless steel. Hydrant extension is allowed to adjust to minimum grade requirements.

ii. Hydrants furnished shall be for buried installation with two 2 ½ inch hose connections and one 4-inch pumper nozzle, National Standard Threads. Operating and outlet nozzle cap nuts shall be of pentagon shape in conformance with Section 3.2.9.8 of AWWA Standard. Suitable nozzle caps, gaskets, and chains shall be provided. Hydrants shall come with one piece weathershield operating nut.

iii. All auxiliary valves used for hydrant installation shall be in conformance with the

specifications of AWWA C515. Valve boxes used for auxiliary hydrant valves shall be 5-¼-inch shaft diameter with cover marked "WATER". All boxes shall be F-2450 as manufactured by CLOW CORP, Tyler 6850-664S or approved equal. The auxiliary valve shall be installed 2 feet from the fire hydrant or as specified by the Engineer.

iv. Where existing fire hydrants are being replaced, the replacement shall include removal of all existing hydrant components, including: the existing connection to the water main, the water main to the hydrant, hydrant valve, valve box and hydrant. Care shall be exercised in the removal of the existing hydrant and valve such that they are not damaged. The existing valve and hydrant shall be stored by the Contractor to the end of the Project or other time during the Project designated by the Owner, at which time it shall be delivered to the Owner.

Installation of New or Replacement Fire Hydrant shall include all new components, including: tee fitting equipped with Mega-Lug or equal joint restraining glands at the water main, extensions or reduction in height, 6-inch DIP hydrant water supply main from the tee, auxiliary hydrant valve, valve box and hydrant. Hydrants shall come with one piece weathershield operating nut. Replacement components shall conform to all applicable specifications presented in Section 561. In order to achieve the required hydrant height from the ground surface shown on the drawings for replacement hydrants, a Gradelok, or equal, adjustable pipe offset shall be used, if necessary.

v. All new fire hydrants installed mid-block shall be installed on the property line between two adjacent properties. New fire hydrants shall be covered with a burlap bag until they are placed in service. Existing fire hydrants which are taken out of service with the existing water main shall be covered with a burlap bag until they are removed."

vi. Use of same class pipe material with main line is required on each proposed hydrant location. (If water main line is class 52, use class 52 for hydrant run).

(a) Ductile Iron Pipe Water Main. All ductile iron pipe shall be thickness class 52 in accordance with AWWA Standard Specifications for Ductile Iron Pipe, External Zinc-Based Coated, centrifugally cast in Metal Molds for water or other Liquids - AWWA -C151 latest revision. Coating: The exterior of ductile iron pipe shall be coated with a layer of arc-sprayed zinc per ISO 8179. The mass of the zinc applied shall be 200 g/m2 of pipe surface area. A finishing layer topcoat shall be applied to the zinc. The mean dry film thickness of the finishing layer shall not be less than 3 mils with a local minimum not less than 2 mils. The coating system shall conform in every respect to ISO 8179-1 "Ductile iron pipes - External zinc-based coating - Part 1: Metallic zinc with finishing layer. Second edition 2004-06-01." The whole of the above Specifications shall apply. The pipe shall be furnished with push-on joints. All pipe shall be cement-mortar lined inside and bituminous-coated outside, in accordance with Sec. 51-8 - ANSI A21.51 (AWWA C104 and C151). All ductile iron pipe must be clearly marked by the manufacturer to indicate pipe classification or pipe thickness. Unmarked pipe will not be accepted.

Viton gaskets will be required at the Brown Avenue project location as determined by additional environmental testing conducted by the contractor prior to the start of construction and as approved by the Engineer.

(b) Tapping Sleeves and Valves. For water main extensions and water services greater than 2-inch, tapping sleeves are required which shall be CST-EX "Total

Seal" Extra Heavy Duty all stainless steel tapping sleeve with drop-in stainless steel bolts and nuts as manufactured by Cascade Waterworks Manufacturing or equal. Tapping valves shall be as specified under Article 561.02 Subparagraph (c.) and shall be secured using stainless steel T-bolts and nuts. Tapping sleeves shall be located a minimum of two feet clear distance from any existing joint or fitting.

(c) Foster Adaptor. The device shall be Infact Corporation FOSTER ADAPTOR or equal, incidental to various pay items. Mechanical joint (MJ) valves and fittings shall be connected using a bolt-through positive restraint mechanism manufactured of U. S. A. ductile iron conforming to ASTM A536, 65-45-12. The positive restraint device shall connect the valves and/or fittings at a linear distance not to exceed three (3) inches and without attachment to pipe. The device shall come complete with all accessories, including standard styrene butadiene rubber (SBR) MJ gaskets conforming to the latest revision of AWWA C111/ASTM F-477 and weathering steel (Corten) bolts conforming to AWWA C111/A21.11 and ASTM A242. Nuts for 3 through 12-inch sizes shall be SAE Grade 5 steel with black oxide coating. Nuts for 14-inch and larger adaptors shall be heavy hex Corten steel conforming to ASTM A242. Sizes 3-12-inch of the bolt-through MJ positive restraining device shall be supplied with an NSF 61 asphaltic seal coating in accordance with ANSI/AWWA C104/A21.4. Sizes 14-36-inch shall be supplied with NSF 61, 7-mil. fusion bonded epoxy conforming to AWWA C116/ A21.16-09 as well as the coating, surface preparation and application requirements of ANSI/AWWA C550. For sewer installations, the device shall be supplied with 40-mil Protecto 401 epoxy. [Epoxy coating, blue Teflon® coated, and stainless steel hardware are available for all sizes.] The device shall be used with standard mechanical joint fittings (AWWA C110 or C153) and valves.

Shop drawings for water system components shall be submitted for approval as soon as possible, but not less than thirty (30) calendar days prior to the time when the components are intended to be installed."

Add the following additional sentences to Subparagraph (a) of Article 561.03:
"The trench shall have a flat bottom conforming to the grade to which the pipe is to be laid, and provided with a minimum of 5-feet, 6-inches of cover. Provide pipe insulation if cover is less than 5-feet (Incidental to various pay Items). Along the proposed pipe alignments indicated on the plans, the Contractor shall remove the surface materials only to such widths as will permit a trench to be excavated, which will afford sufficient room for efficient and proper construction. Where sidewalks, driveways, pavements, and curb/gutter are encountered, care shall be taken to protect such against fracture or disturbance beyond these working limits.

Prior to the placement of all pipes, bedding shall be placed on the trench bottom, compacted and shaped to receive the pipe. The pipe shall be placed as shown in the plans. Any part of the trench excavated below the grade shall be corrected with approved material, firmly compacted. Where the Contractor must excavate below the plan grade indicated because of unforeseen conditions, all additional excavation and backfilling will be considered incidental to the Contract. In some instances, trees, shrubs, utilities, sidewalks and other obstructions may be encountered, the proximity of which may be a hindrance to open-cut excavation for installation of water mains and appurtenances. In such cases, the Contractor shall excavate by means of auger in order to protect such obstructions against damage. Augering work shall be performed in accordance with the

clearances and procedures specified in Article 550.04."

The trench shall be excavated to the alignment and depth required and may be advanced up to 50 feet ahead of the pipe laying operation during working periods and up to 10 feet ahead of pipe laying operations during non-work periods. Trenching operations shall be terminated at the end of each day's work in locations that do not obstruct roadways, alleys or driveways. In general, the length of open trench shall not exceed 70 feet from the forward cut to the completely backfilled trench nor shall more than one street crossing be obstructed by the same trench at any one time. Open cut excavations shall be reduced to a maximum length of 30 feet for overnight protection.

Open-cut trenches shall be supported as required to fully protect life, existing utilities, adjacent structures, pavements, and the Work. Trench support is an integral part of the Contractor's means and methods. The Contractor shall employ the services of a registered (Illinois) Structural Engineer, registered (Illinois) Professional Engineer, Geotechnical Engineer, and other professionals as necessary to prepare designs of support systems. The support systems shall conform to Federal laws, State laws and municipal ordinances. The minimum protection shall conform to the recommendations in O.S.H.A. Safety and Health Standards for Construction. A sand box or trench shield may be used as permitted by O.S.H.A.

Add the following subparagraphs to Article 561.03:
(c) Notification. Wherever construction activities will disrupt water mains and/or individual water services, the Contractor shall develop a work plan for limiting the extent and duration of the disruption. This work plan shall be submitted to the City of Evanston Utilities Department for review and approval not less than two weeks before the planned disruption. No disruption will be permitted until said work plan has been reviewed and approved.

In addition, it is the responsibility of the Contractor to directly notify the City of Evanston Utilities Department, affected customers, and, if fire hydrants are affected, the City of Evanston Fire Department not less than 48-hours in advance of the start of the disruption, advising them of the planned time and duration of the disruption. Each disruption to the mainline system; an individual service; or, group of services, when they are being transferred to a new water main in a single, staged construction operation, shall be considered a separate occurrence, for which notification shall be provided. The Contractor shall also directly notify the City of Evanston Utilities Division not less than 48-hours in advance of mainline pressure-testing and disinfection operations. In cases where construction activities will require operation of water main valves, the City of Evanston Utilities Department will be responsible for the operation of the valves.

(d) Installation. All pipe laying and the making of all joints shall be done strictly in accordance with manufacturer's directions and in accordance with AWWA C600 "Installation of Ductile Iron Water Mains and Their Appurtenances". Mechanical joint fittings shall be spaced a minimum of 2 feet apart. The Contractor shall be responsible for achieving the water-tightness specified. The method of handling and of placing pipe in the trench shall not damage the pipe. Pipe interiors shall be kept clean and the exposed ends of the pipe in the trench shall be closed by suitable watertight bulkheads at all times when pipe-laying is not actually in progress. Abrupt changes in pipe alignment shall be accomplished by use of appropriate fittings as shown on the Drawings. Wherever long horizontal or vertical curves are shown on the drawings, the pipe may be laid to such curves by uniformly deflecting the pipe joints along the arc of the curve to form a smooth radius. Pipe deflection shall not exceed one-half the maximum allowable joint deflection recommended by the pipe manufacturer. A temporary plug/cap or watertight protection is required for the end of pipe at the end of any working days and is considered incidental.

All required valve box extensions shall be made so that the top section is a minimum 2 feet in length. Blocking at bends, tees, caps, hydrants and valves shall be of poured Class SI concrete, a minimum of 12" thick, placed between solid ground and the fitting, and shall be anchored in such a manner that pipe and fitting joints will be accessible for repairs.

New and relocated fire hydrants shall be placed a minimum of three feet from the back of the curb unless otherwise directed by the Engineer. All fire hydrants on new mains shall be covered with burlap bags until such time that the Owner notifies the Contractor that the burlap bags shall be removed."

Add Article 561.06, which shall read as follows:
Hydrostatic Tests. Hydrostatic tests will be performed according to Section 13 of the American Water Works Association Specifications, Designation: AWWA C600. The water main will be subjected to the hydrostatic pressure and leakage tests specified in the Special Provisions. Water for making the hydrostatic and leakage tests shall be furnished by the Contractor at his/her own expense and shall be of satisfactory bacteriological quality for drinking purposes.

"Only one connection of the new pipeline, as approved by the Owner, shall be made to the present system prior to pressure-testing the new pipeline. Contractor shall provide all temporary bulkheads/plugs required for testing. Contractor shall test the pipeline in sections as approved by Engineer. The test shall be made by closing valves and filling the lines slowly with water. Care shall be used to see that all air is released during the filling of the pipeline. After the line or section thereof, has been completely filled, it shall be allowed to stand under a slight pressure for sufficient time to allow the escape of air from any air pockets. During this period the hydrants, valves, and other connections shall be examined for leaks. If any are found, they shall be stopped prior to the pressure test.

PRESSURE / LEAK TEST
Only one connection to the new water main, as approved by the Engineer and the City of Evanston Water and Sewer Division, shall be made to the present system prior to pressure testing the new water main. The Contractor shall provide all temporary bulkheads / plugs required for testing.

The Contractor shall test the water main in sections as approved by the Engineer and the City of Evanston Water and Sewer Division. The test shall be made by closing valves and filling the lines slowly with water, care shall be used to see that all air is released during the filling of the water main. After the line or section has been completely filled, it shall be allowed to stand under slight pressure for sufficient time to allow the escape of air from any air pockets. During this period, the hydrants, valves and other connections shall be examined for leaks. If any are found, they shall be repaired prior to the start of the pressure / leak test.

The test shall consist of holding a pressure on the water main of 150 pounds per square inch (psi) for a period of at least two (2) hours. The pressure during the two hour test cannot vary by more than 5 psi for the duration of the test.

Leakage shall be defined as the quantity of water that must be supplied into the newly laid pipe or any valve section thereof to maintain pressure within 5 psi of the specified test pressure after the water main has been filled with water and the air has been expelled. This leakage will be calculated after the 2-hour test has been completed. The water necessary to bring the pressure up to 150 psi from a measured container shall be the amount of leakage. Leakage will equal the amount of water used from the container.

No pipe installation will be accepted if the leakage is greater than that determined by the following formula:

L = (S x D x SQRT P)/133,200 in inch-pound units:

Where:

L = allowable leakage, in gallons per hour
S = length of pipe tested, in feet
D = nominal diameter of the pipe, in inches
P = average test pressure during the leakage test, in psi (gauge)

Where it is not practical to pressure test the final connections to an existing water main, a visual inspection shall be carried out under normal working pressure before backfilling the trench. Any noticeable leakage shall be stopped and any defective pipe shall be replaced with new sections.

Add Article 561.07, which shall read as follows:
Disinfection of Water Main. Upon completion of the newly laid water main, the water main shall be disinfected according to the American Water Works Association, Procedure Designation: AWWA C651, except as modified herein. Bacteriological Tests shall follow AWWA C651 Option A, modified for sampling at 24 hour intervals as noted below.

Disinfection of Water Main
The basic disinfection procedure consists of:

1) Preventing contaminated materials from entering the water main during storage, construction or repair.

2) Removing, by flushing **at a velocity of 3.0 ft. /sec** those materials that may have entered the water main.

3) Chlorinating any residual contamination that may remain, and flushing the chlorinated water from the main.

4) Protecting the existing distribution system from backflow due to hydrostatic pressure test and disinfection procedures.

5) Determining the bacteriological quality by laboratory test after disinfection.

6) Final connection of the approved new water main to the active distribution system.

The Contractor shall provide all corporation cocks necessary for disinfection of the new water main. These corporation cocks shall be placed as necessary to facilitate testing and disinfection of the new water main, including chlorine application points and sample collecting points. These corporation cocks shall be located in valve vaults only, unless otherwise approved by the Engineer.

The new pipe shall be thoroughly flushed clean, at a velocity of 3.0 ft. /sec and pressure tested before disinfection is attempted. All disinfecting work shall be done by the Contractor with the approval of the Engineer. Heavy particulates generally contain bacteria and prevent even very high chlorine concentrations from contacting and killing such organisms. It is therefore essential

that the water main be thoroughly flushed before the final disinfection by chlorination is performed.

The method to be used for disinfecting the water main is referred to as the **Continuous-Feed Method using Chlorine Gas**. At a point not more than 10 feet downstream from the beginning of the new water main, water entering the new main shall receive a dose of chlorine fed at a constant rate such that the water will have not less than 50 milligrams per liter (mg/l) free chlorine at the discharge end. The chlorine solution must be distributed uniformly throughout the length of the water main being disinfected.

After the contact period of not less than 24 hours, the water main shall be flushed until chlorine concentration of the water leaving the new water main is no higher than that generally prevailing in the distribution system (under one milligram per liter (mg/l).

If there is any possibility that the chlorinated water will cause damage to the environment, then a neutralizing chemical shall be applied to the water to be wasted to neutralize thoroughly the chlorine residual remaining in the water. This neutralizing chemical must be approved for that purpose.

After final flushing and before the new water main is connected to the City's water distribution system, two consecutive sets of acceptable samples (no bacteria growth), taken at least 24 hours apart, shall be collected from the new water main. The second days' sample will be collected using only the water main pressure, no water main valves will be open for this sample and no flushing will be permitted. At least one set of samples shall be collected from every 1,200 feet of the new water main, plus one set from the end of the line, and at least one set from each branch or as required by the Owner.

Sampling for bacteriological analysis shall be collected in sterile bottles treated with sodium thiosulfate as required by Standard Methods for the Examination of Water and Wastewater. No hose or fire hydrant shall be used to collect samples. Corporation cocks may be installed in the water main with a copper tube gooseneck assembly to obtain samples. After samples have been collected, the gooseneck assemblies must be removed.

The City of Evanston will take the samples and perform the lab testing. For acceptance, two consecutive sets of samples, taken at 24 hour intervals, shall indicate bacteriologically satisfactory water.

If the initial disinfection fails to produce satisfactory bacteriological results, the new water main may be reflushed and shall be resampled. For each time the City must resample, the Contractor shall be assessed fees to cover City costs as outlined below. If these samples also fail to produce acceptable results, the water main shall be rechlorinated by the continuous feed method until satisfactory results are obtained.

Failure to follow this procedure during pressure and chlorination testing may result in unacceptable results and may require the Contractor to incur additional costs in re-testing and cause project completion delays.

The interior of all mainline pipe, service pipe, fittings, valves, corporation stops, curb stops, and other water main or water service components which are likely to come in contact with potable water immediately after their installation or before chlorine-gas disinfection can be accomplished, shall be swabbed, soaked, or sprayed with a 2 percent hypochlorite solution before they are installed.

The Contractor shall provide all corporation cocks necessary for disinfecting the new pipeline. These corporation cocks shall be placed as necessary to facilitate testing and disinfection of the new water main, including chlorine application points and sample collecting points. These corporation cocks shall be located in valve vaults. The new pipeline shall be flushed clean before disinfection is attempted. All disinfecting work shall be done by the Contractor under the direction and with the cooperation of the Owner."

Contractors will be charged for each of the following additional tests when necessary because of Contractor's failure to pass the initial test:

Each Additional Pressure Test	**$167.00**
Each Additional Chlorination	**$167.00**
Each Additional Flushing and Sample Collection	**$167.00**
Each Additional Sample Analysis (laboratory fee)	**$25.00**

Add Article 561.08, which shall read as follows:
"**561.08 Sequence of Work.** Contractor shall submit a work plan indicating the sequence of water main installation not less than ten (10) calendar days prior to the planned start of work. This work plan shall include information as to where and how the flushing, pressure testing, and disinfection of the new pipeline will be carried out in such manner that will cause the least amount of water service interruption to the water customers. The work plan must be approved by the Owner prior to installation of any water mains and shall conform to the following general sequences of installation listed.

Items of Work shall be completed in the following sequence unless otherwise approved in writing by the Engineer:

1) Placement of Temporary Traffic Control and Protection
2) Posting of No Parking Sign
3) Tree Protection Measures (Tree Canopy Pruning, Tree Root Pruning, Temporary Fencing)
4) Exploration Trenches, as needed
5) Water Main Installation and Patching of Trench with temporary Hot-Mix Asphalt (To be completed at the end of each day)
6) Water Main Testing
7) Water Service Installation and Transfers, Final Interconnection, and Sewer Work
8) Permanent Trench Pavement Patching and HMA resurfacing and Concrete Curb and Sidewalk Repairs
9) Initial Parkway Restoration (Final Grading of Topsoil) – Partial Completion Met
10) Pavement Marking - **Substantial Completion Met**
11) Final Parkway Restoration (Installation of Sodding)
12) Punch List Work

BROWN AVENUE, FROM FOSTER STREET TO SIMPSON STREET:

The proposed Water Services transfer from the existing 6" water main to the existing 10" water main shall be implemented on Brown Avenue from Foster Street to Simpson Street. This water services transfer project will commence from Brown Avenue and Simpson Street intersection.

Exploratory trench should be performed on the existing 12" water main, 10" water main and 6"

water main on Brown Avenue and Simpson Street prior to the start of construction. As indicated on the plans the initial work should be within 4-hour shut-down. All non-pressure connections to existing water mains will not be paid for separately but considered incidental to other water main work items.

The Contractor shall start by removing the existing tee and replace it with 45º bend after the 12" to 10" reducer fitting, then cap/plug the existing 6" water main as shown on the plans. Also, at Sta 6+50, install a 10"x6" tee for the proposed fire hydrant on the west side of Brown Avenue. All interior mainline pipe, fittings, valves, and other water main components which are likely to come in contact with potable water, shall be swabbed, soaked, or sprayed with 2 percent hypochlorite solution before they are installed.

All materials necessary to perform this job should be on the field at least 1 day prior to work on this task. Provide temporary asphalt at the crossings and provide traffic protection for this assembly. Contractor shall save the existing curb.

All water services can now be transferred to the existing 10" water main (west side of the street) from the existing 6" water main (east side of the street). All long water services will be open cut across Brown Avenue roadway. See typical water service plan on the drawing. Pavement patching for these water services will be paid for separately.

An "exploratory trench" should be performed on the existing water mains on Brown Avenue and Foster Street prior to interconnections. The final connections to the existing water main as indicated on the plans may then be made within 4-hour shut-down after all the water services were transferred to the existing 10" water main. 10"x6" cross shall be removed and a new 10"x6" tee shall be installed. All interior mainline pipe, fittings, valves, and other water main components which are likely to come in contact with potable water, shall be swabbed, soaked, or sprayed with 2 percent hypochlorite solution before they are installed. All non-pressure connections to existing water mains will not be paid for separately but considered incidental to other water main work items.

HARTREY AVENUE, FROM EMERSON STREET TO CHURCH STREET:

The proposed 10" water main (DIP, Class 52, External Zinc Based Coated, Push-On Joint) shall be installed on Hartrey Avenue, From Church Street to Emerson Street.

Exploratory trench should be performed on the existing 10" water main along Hartrey Avenue, just north of Church Street prior to the start of construction. As indicated on the plans the initial work should be within 4-hour shut-down. All non-pressure connections to existing water mains will not be paid for separately but considered incidental to other water main work items.

The Contractor shall start by replacing the existing 10" valve with a new 10" valve and a new valve vault. Save and give the old 10" valve to the City. Install a mechanical plug/cap on the existing 10" water main. On both sides of the valve, provide a 1" corporation stop with 1" copper pipe extension adjacent to the 10" valve for testing. The 10" water main will continue north to Emerson Street. All materials necessary to perform this task should be on the field at least 1 day prior to work on this task. Provide temporary asphalt at the crossings and provide traffic protection for this assembly. Contractor shall save the existing curb.

At Sta. 1+08, install an 10"x6" tee for the fire hydrant at the east side of Hartrey Avenue.

At Sta. 4+40, install an 10”x6” tee for the fire hydrant at the east side of Hartrey Avenue.

At Sta. 7+26, install a 10”x8” tee and install the 8” in-line valve in valve box for interconnections to existing 8” water main along Lyons Street. Use foster adaptor for this 8” valve, incidental.

At Sta. 7+54, install an 10”x6” tee for the fire hydrant at the east side of Hartrey Avenue.

To continue north, at Sta. 7+59, install a 10” in-line valve in valve vault. Contractor shall save the existing curb.

At Sta. 10+95, install an 10”x6” tee for the fire hydrant at the east side of Hartrey Avenue.

At Sta. 13+89, the Contractor will install 10” in-line valve in valve vault for interconnection with the existing water main on Emerson Street. Just north of this 10” valve, install a 45 bend and a PE 45 bend to connect to 10”x8” tee (to be done after water services are complete). Cap/plug existing 10” water main to be abandoned. On both sides of the valve, provide a 1” corporation stop with 1” copper pipe extension adjacent to the 10” valve for testing. Also, provide temporary asphalt and provide traffic protection for this assembly.

The new water mains may be flushed, pressure tested and chlorinated. After the acceptance of the disinfection testing, the water services may be tapped. An “exploratory trench” should be performed on the existing 10” water mains on Hartrey Avenue and on Simpson Street prior to interconnection. The final connections to the existing water main as indicated on the plans may then be made within 4-hour shut-down after all the water services were transferred to the new water main. All non-pressure connections to existing water mains will not be paid for separately but considered incidental to other water main work items.

GENERAL REQUIREMENTS
All water main construction for all streets and sections shall conform to the following two general requirements (as well as the detailed sequencing for each street).

Water Services
Residents affected by the installation of new water services must be notified **48 hours, 24 hours in advance, and 15 minutes prior to the shutoff**.

The Owner has made an attempt to collect Right-of-Entry (ROE) documents for all properties impacted by the watermain work on this project. ROE forms are required by the Contractor prior to entering or performing any work on private property, and the Contractor shall work with the Engineer to collect all remaining ROE forms not received during performance of the work. Existing services that are public replacements may be constructed of lead, copper or other material.

For those properties with a signed ROE, the Contractor shall schedule Preliminary Investigation appointments with the property owner to obtain a signed Property Owner Agreement form, and for the Contractor to develop a Preconstruction survey showing the proposed location of the new water service. Scheduling of the Preliminary Investigation is at the convenience of the Property Owner and shall include the Property Owner, Engineer, and Contractor. Once the Property Owner Agreement form and Pre-Construction Layout drawing are submitted and approved by the Engineer, the Contractor can schedule the water service

replacement work with the Property Owner.

Full Replacement of lead water service replacement work will include replacement of the existing lead water service with minimum 1.5” copper pipe from the water main to the meter in the home, and connection to the interior plumbing. For homes with identified lead services lines which the Engineer has not received a fully executed right-of-entry form, the service line shall be replaced with minimum 1.5” copper pipe with a reducer to connect to the remaining privately-owned portion of the service line (Public Replacement as shown in the Drawings). Contractor shall match existing diameters larger than 1.5” with in-kind diameters. Any outdoor space impacted by this work will be restored in-kind, as agreed upon between the Contractor and the property owner on the Property Owner Agreement form prior to the initiation of the work. Relocation of items within the home to accommodate the work will be agreed upon between the property owner and the Contractor prior to signing the Property Owner Agreement form. Any restoration within the home outside of patching of the concrete structure (as shown on the Drawings) such as re-tiling, installing drywall, or other finishes will be performed by Others.

A summary of ROE’s received at the time of bidding are provided in the Appendix.

The Contractor must flush the new water service and make every effort to ensure debris does not enter the existing portion of the water service as the new installation takes place. All water services shall be perpendicular to the new water main to the new round way and B Box. Provide pipe insulation for cover 4.5 ft to 5 ft. (Incidental to various pay Items).

Following completion of the water service replacement, the Contractor shall submit a Post-Construction Layout Drawing making any adjustments to the Pre-Construction Layout Drawing as necessary to identify the installed location of the water service and to show full and/or private replacements.

Final Interconnections

After all of the water services have been installed and are in service the Contractor will make the connection(s) to the existing water main(s) as indicated in the plans.

The Contractor shall notify the Utilities Department 48 hours in advance of initiating these connections to allow the Utilities Department sufficient time to notify residents of the water service interruption and schedule the necessary valve closures. Only Utilities Department personnel may operate existing valves in the distribution system.

The Contractor must be prepared to make these connections in a timely fashion. A maximum of four (4) hours will be allowed per shutdown to complete the connections to existing water mains. Because these connections cannot be pressure tested or chlorinated, the Contractor must swab all pipe and fittings with a 2% hypochlorite solution using a new, clean long-string mop and the new section of main must be pressurized prior to backfilling. The Contractor shall also swab and chlorinate water main sections as outlined above that branch off the “main line” water main that may be difficult to properly flush.

Prior to back filling the Contractor must install the appropriate sized MJ end cap on the open end of all of the abandoned water main. Concrete blocks shall be installed beneath all of the connection points between the old and new water mains.

THE CONTRACTOR SHALL SUBMIT, FOR REVIEW BY THE CITY, A DETAILED CONSTRUCTION SCHEDULE AT THE PRE-CONSTRUCTION MEETING IN ACCORDANCE

WITH GUIDELINES OUTLINED IN THE SPECIFICATIONS.

Payment shall be made at the Contract unit price per LINEAR FOOT for each of the various sizes of DUCTILE IRON WATERMAIN, actually installed as specified, measured in place. These Contract unit prices shall be payment in full for all materials, labor, and equipment required for: site preparation, including removal, replacement and/or repair of fences and other site objects; trench excavation, including removal and disposal of existing pipes, structures, and excess excavated materials; protection, support and repair of damage to existing utilities; support of trench walls; shoring and bracing; dewatering of trenches; pipe; bends; fittings; restraining glands; installation and removal of temporary fire hydrants, which will be provided by the City; thrust blocks; plugging existing water mains; support of pipe at water main connections; joint materials; hydrostatic testing; disinfection; corporation stops used for disinfection; bedding; backfill placement, compaction and compaction testing; testing; correction of defects; and, other work required to complete the installation which is not included under other Payment Items.

Payment shall also be made at the Contract unit price per EACH for WATER VALVES, of the size specified; for PIPES, EXTENSION, FIRE HYDRANT WITH AUXILLARY VALVE AND VALVE BOX AND FH PIPE RUN AND EXTENSIONS OR REDUCTION OF HEIGHT, of the size specified; for VALVE BOXES, of the size specified; for PRESSURE CONNECTION; for TAPPING SLEEVE, of the size specified; and for WATER MAIN LINE STOP, of the size specified.

The City will furnish temporary fire hydrants which are to be installed by the Contractor at the locations designated on the plans for the purpose of flushing the newly installed water main clean at a velocity of 3.0 ft. /sec. Prior to the final water main interconnections, the Contractor shall remove the temporary fire hydrant, store it in a safe location, and contact the City for pick up. This work shall be incidental to the water main construction, and no separate payment shall be made.

These items shall not include the cost of pavement, sidewalk, driveway, and curb/gutter removal and disposal within the pay limits show on the Drawings. Roadway, sidewalk, driveway, and curb/gutter removal/ replacement within pay limits or as directed by the Engineer shall be paid for in accordance with the appropriate Payment Items.

Roadway, sidewalk, driveway, and curb/gutter removal/replacement outside the pay limits shown on the Drawings required for completion of the Work or for Contractor’s purposes shall be incidental to combined sewer, relief sewer, storm sewer, sanitary sewer, and water main construction and no separate payment shall be made.

Additional water service submittals include the following:

PROPERTY OWNER AGREEMENT FORM: Agreement form fully executed by the Contractor, Property Owner, and the Engineer for each property authorized to perform Full Lead Service Line Replacement at least 5 days prior to performing the Work.

PRE-CONSTRUCTION LAYOUT DRAWING: Layout drawing showing the planned alignment of the new water service signed by the Contractor and the Owner’s designated plumbing inspector at least 5 days in advance to performing the Work showing the planned location of the new water service for each home authorized to perform Full Lead Service Line Replacements.

POST-CONSTRUCTION LAYOUT DRAWING: Layout drawing showing the final alignment of the new water service signed by the Contractor within 5 days of performing a Full Lead Service Line Replacement. The drawing shall show the final location and alignment of the new water service for each home.

WATER SERVICE LINE
Delete Article 562.01 and replace it with the following:
"**562.01 Description**

(a) Water service 2" diameter and less.

Full and/or Public existing services less than 1.50" diameter will be increased to 1.50" diameter. Full and/or Public existing services that are 2" diameter shall be replaced with a 2" diameter services. Full and/or Public existing services between 1.50" and 2" diameter shall be replaced with the same size as the existing service.

Private existing services less than 2" diameter will match the diameter of the existing water service diameter located on the public-side of the curb stop. Private existing services that are 2" diameter shall be replaced with a 2" diameter services. Private existing services between 1.5" and 2" diameter shall be replaced with the same size as the existing service located on the public-side of the curb stop.

Full and/or Public water service replacement work shall consist of the disconnection of the existing water service, removal of existing curb box to depth shown on plans or directed by engineer, tapping the new water main, and extending new copper services perpendicularly from the new water main either to the new service box to be installed in the parkway, as close to the old service box as possible (Public Replacement), and up to the meter in the home (Full Replacement), as shown on the Drawings and/or as directed by the Engineer. Contractors may only cut lead services using a tube cutter. Saws will not be allowed to cut lead services.

Private-side replacement of existing lead water or galvanized steel service lines will extend from the existing curb stop up to the meter in the home.

Full and/or Private replacements of existing lead water service lines will only occur at the properties where a fully executed right-of-entry (ROE), Property Owner Agreement Form, and Pre-Construction Layout drawing have been submitted and approved by the Engineer. Partial replacement of lead water service lines will occur only at those properties that do not have an executed ROE and Property Owner Agreement Form at the direction of the Engineer or Owner.

Full replacement of existing lead water service lines will extend from the new water main into the home. For full and/or private replacements, the Contractor shall contact each Property Owner to schedule and review the water service installation work (including water service line route, location of access pits, installation method, extent of demolition, and extent of restoration) in order to

confirm water service line entrance type and location of all underground utilities (including sprinkler lines, underground electric, natural gas lines, and other utilities that may be present), and document the existing conditions of the property on a Property Owner Agreement Form. The Contractor shall obtain a signed Property Owner Agreement Form and submit it to the Engineer at least seven days in advance of the commencement of the work on the property. The Contractor shall notify each Property Owner at least 72 hours in advance of the commencement of the work on their property, providing each Property Owner with the date and start time of both external and internal work on their property. The Contractor shall provide a telephone number where Property Owners can call to be updated on the status of the work on their property and general project information. The Contractor shall minimize the time period for each water service installation to minimize the disruption to the Property Owner. The Contractor must coordinate and schedule the work with the Property Owner so that the water service to the home will be interrupted for less than four (4) hours. The Contractor will not be reimbursed for any downtime associated with the water service line installation work and shall provide temporary water using materials approved by the National Science Foundation (NSF) and Engineer, or bottled water in any instance where the water is shut-off for more than four (4) hours for the duration of the delay until the service line has been completed. For all work and specification requirements, Galvanized services will be treated as lead services.

For existing lead water service connections that require a Partial Replacement; The City of Evanston requires the use of minimum 2.0 feet (5.0 feet max.) straight pipe of high-density polyethylene (HDPE) water service tubing (CTS) be installed prior to connecting to existing lead water service on the private side. HDPE conforming to the minimum requirements of cell classification 445574E as defined and described in ASTM D3350 with a resin designation code of PE4710 by the Plastic Pipe Institute will be used.

For Existing Lead Water Service Partial Replacement Connections; (Installation of Min. 2’ (5’ max) HDPE pipe)

1) End of tubing or pipe must be round, free of burrs and clean for both existing lead and new HDPE pipes by using pipe cutter only.
2) For HDPE plastic tubing or pipe, push the appropriate size of liner in until the flare on the liner rests solidly against the end of the tubing or pipe.
3) Insert tubing into the body of fitting until it contacts the stop inside the fitting.
4) Tighten the compression nut until it makes contact with the machined shoulder of the fitting.

(b) For existing lead service lines, all lead service lines shall be fully removed if fully exposed. Where the water service is installed in a new alignment to meet current Plumbing Code or avoid certain site features, if the existing water service is not exposed, it may be disconnected from the house and the water main and left in place with the permission of the Engineer.

(c) Any lead or galvanized iron/steel service piping removed shall be handled and disposed of in accordance with all local, state and federal laws and regulations.

(d) Replacement work within private property shall be coordinated with the Engineer and Property Owner prior to starting any work.

(e) All plumbing demolition and installation work shall be performed by an Illinois Licensed Plumber.

(f) For service line replacements into a house, the Contractor will enter the home through a new saw cut perforation through the floor for the new water service line, as approved by the Engineer. New water service lines entering through the wall of the home will only be as approved by the Engineer through a cored opening and must be water tight. Water service lines entering through the wall will not be approved in situations where there is less than 5-feet of clear working space centered around the proposed location of the cored opening, and the floor of the basement is shallower than 7-feet below existing grade outside of the home. The new water service line shall extend into the building to the meter, and then the Contractor shall connect into the existing interior plumbing. Contractor shall provide fittings to connect new water service to new meter. The Contractor shall repair and provide a watertight seal of the existing and new pipe penetration through the building in accordance with this Section, the Drawings, and as approved by the Engineer. Where it is determined that the new water service line must enter through the wall and the Engineer has approved the method, the Contractor shall get paid EACH per wall opening.

(g) The installation of the new water service line for each property has not been individually detailed. The water service line connection details were developed to generally illustrate to the Contractor the plumbing elements. The piping and equipment shown on the water service line connection details are not to scale and do not show every offset or fitting, nor every hanger or support, or structural difficulty that may be encountered. To carry out the intent and purpose of the water service line connection, Contractor shall field verify all piping and plumbing systems to ensure all necessary plumbing parts are installed to provide a complete and safe transfer of the domestic water service without extra charge to the Owner or Property Owner. The Contractor shall be responsible to coordinate the system installation and routing with the work of all trades.

(h) The Contractor shall maintain an on-site supply of anticipated specialty fittings, including but not limited to corporation stops, curb stops, curb boxes, reducing fittings, etc., such that the work proceeds without impacting the execution of the work and causing a delay in connecting the service.

(i) All existing water services which are 3-inch in diameter will be changed to 4-inch services and reduced to 3-inch at the point of connection to the existing service.

(j) Water service 4” or greater in diameter

Work shall consist of installing appropriately sized tee fittings with an attached valve(s), and extending the new ductile iron service from the new water main to the new service box to be installed in the parkway as shown on the drawings and/or as directed by the Engineer.

Ductile Iron Pipe Water Service. All ductile iron pipe shall be thickness class 52

in accordance with AWWA Standard Specifications for Ductile Iron Pipe, External Zinc-Based Coated, centrifugally cast in Metal Molds for water or other Liquids AWWA -C151 latest revision. Coating: The exterior of ductile iron pipe shall be coated with a layer of arc-sprayed zinc per ISO 8179. The mass of the zinc applied shall be 200 g/m2 of pipe surface area. A finishing layer topcoat shall be applied to the zinc. The mean dry film thickness of the finishing layer shall not be less than 3 mils with a local minimum not less than 2 mils. The coating system shall conform in every respect to ISO 8179-1 "Ductile iron pipes - External zinc-based coating - Part 1: Metallic zinc with finishing layer. Second edition 2004-06-01." The whole of the above Specifications shall apply. The pipe shall be furnished with push on joints. All pipe shall be cement mortar lined inside and bituminous coated outside, in accordance with Sec. 51 8 ANSI A21.51 (AWWA C104 and C151). All ductile iron pipes must be clearly marked by the manufacturer to indicate pipe classification or pipe thickness. Unmarked pipe will not be accepted.

Add the following Subparagraphs to Article 562.02:
"(a.) **Copper Pipe.** Exterior copper pipe shall be copper water tube, a minimum of 1.5" diameter, Type K, soft temper, conforming to ASTM-B88 and ASTM-B251 of the inside diameter indicated on the Drawings. Flare type fitting for underground pipe. Solder or flared style fittings for above grade (inside the home) interior copper pipe. Interior copper tube shall be Type L conforming to ASTM-B88. The pipe shall be marked with the manufacturer's name or trademark and a mark indicative of the type of pipe. The outside diameter of the pipe and minimum weight per foot of the pipe shall not be less than that listed in ASTM B251, Table 11. All materials shall be NSF 61 suitable for public water supplies. Interior copper tube diameter shall be reduced to match existing.

(b.) **Stops and Fittings.** All corporation stops, curb stops, and connection couplings shall be fabricated of bronze alloy and shall be provided with outlets suitable for connections. All connections shall be made with flare-type couplings. Stops and fittings shall be as manufactured by Ford Co. or approved equal and shall be in accordance with AWWA Specifications. The curb stops shall be Minneapolis pattern (City of Evanston Standard). Corporation stops and curb stops shall be the non-restricting ball valve type.

(c.) **Curb Boxes.** The curb boxes shall be cast iron Minneapolis pattern base, for rigid assembly, extension-type adjustable to 6-foot bury or as required to make flush with the existing ground elevation. The boxes shall be complete with a lid marked 'WATER' and pentagon brass plug. Curb boxes shall be as manufactured by Mueller Co. or equal.

(d.) **Tapping Saddles.** All Tapping saddles shall be Smith-Blair 317, Ford FC 202 or approved equivalent, and shall conform to the following specifications: Tapping saddles shall have an epoxy-coated ductile iron body with stainless steel straps. The threads shall be C.C. The saddles shall fit an oversized cast iron pipe in the sizes listed.

(e.) **Pipe Hangers, Supports and Restraints.** All supports shall be designed to adequately secure the pipe against excessive dislocation due to internal flow forces, thermal expansion/contraction, and all probable external forces such as personal contact or equipment. Supports for copper pipe shall be copper plated or shall have a minimum 1/16-inch plastic coating. Support spacing for copper piping and tubing 2-inches in diameter and smaller shall not exceed 5-feet, and greater than 2-inches in diameter shall not exceed 8-feet. Where pipe supports come in contact with copper piping, provide protection from galvanic corrosion by wrapping pipe with 1/16-inch thick neoprene sheet material and galvanized protection shield. Anchoring devices shall

be selected by the Contractor depending on the size, spacing, and other necessary parameters. Anchoring devices shall withstand shear and pullout loads imposed by loading and spacing on a particular support. Expansion anchors shall be equal to Kwik Bolt as manufactured by Hilti USA, Tulsa, Oklahoma; or Wej-it by Wej-it Expansion Products, Inc., Broomfield,, CO. The length of the expansion bolts shall be sufficient to place the wedge portion of the bolt a minimum of 1-inch behind the steel reinforcement.

(f.) **Electrical Grounding.** Wire shall be 6 AWG copper wire or conducting metal braid shall be woven from 240 strands of 30 AWG tinned copper wires and be capable of carrying fault current comparable to that of 6 AWG copper wire, 3M Corp., Scotchbrand 25, or equal.

Water pipe ground clamps shall be cast bronze saddle type, and of the correct size for the pipe, as manufactured by Thomas & Betts Co. Cat. No. 2, similar by Burndy; O.Z. Gedney Co., or equal and the correct size for the pipe.

(g.) **Property Owner Agreement Form.** All property owner agreement forms shall be completed and executed between the Contractor and the Property Owner and provided to the City Engineer seven days in advance of work on the specified private property.

(h.) **Preconstruction and Post Construction Layout Drawings.** For full and/or private lead water service line replacement pre and post construction layout drawings shall be prepared by the Contractor and submitted to the Engineer for approval. Pre-construction layout drawings showing the proposed location of the new water service line, size and location of all pits and excavations required to complete the work, fence removal, bushes, trees, landscaping and other items that require demolition shall be approved by the Engineer prior to proceeding with the work. Post-construction layout drawings shall be completed showing any changes to the pre-construction layout drawing following completion of the work and shall include the new water tap location, curb box location, and location where new water service enters the home.

Shop Drawings for water system components shall be submitted for approval as soon as possible, but not less than thirty (30) calendar days prior to the time when the components are intended to be installed. Post construction drawings shall be submitted prior to payment for a full and/or private water service replacement."

Add the following paragraphs to Article 562.03:
"Care should be taken in installing new water services so as to have the least interruption of service to the water customer. This work will require disruptions of water service. The Contractor shall notify the Property Owner not less than 48-hours in advance of planned disruptions. The water main will not be turned off for the installation of water services. The City of Evanston Utilities Division personnel are the only persons authorized to turn on and off water main valves.

The Contractor shall perform a limited hazardous materials survey (consisting of inspection and/or testing) for lead-based paint and asbestos containing materials as part of the contract unit price of Full and/or Private Replacements. Owner reserves the right to request testing for lead-based paint or asbestos containing materials. Remediation of lead-based paint of asbestos-containing materials shall be paid for separately.

For Full and/or Private Lead Service Line Replacement, Contractor shall neatly and in clean concise lines remove all obstacles agreed upon with the property owner in the Property Owner Agreement form prior to proceeding with the Work. This work shall also include either concrete coring or saw cutting concrete with clean perpendicular cuts to allow for water service to enter

into the home. Contractor shall not perform any work outside of the work area agreed upon with the Property Owner. Within the home, the Contractor shall use plastic sheeting and other methods to minimize dust and disturbance. All concrete material and other demolition debris removed from the home to accommodate the work shall be replaced by the Contractor.

All underground water service lines shall be installed using trenchless methods, shall be augered in place, and shall be a minimum of 5.5 feet in depth unless otherwise approved by the Engineer. Water services may be installed in open cut trench when various trenchless excavation methods are not feasible for use due to field conditions and when approved by the Engineer. The City will pay the pavement removal and replacement using separate unit price items when open cut is approved. Open cut installation, when approved by the Engineer will be paid for in accordance with the unit price items in this section, and will include all the necessary work associated with trenching such as labor, materials, equipment and all other associated items. The Contractor will patch any concrete as needed to restore the work area. Any additional finishing restoration required inside of the home, following a service line replacement, will be performed by others. Provide pipe insulation for cover 4.5 ft to 5 ft (Incidental to various pay Items) when approved by the Engineer. The Contractor may select a boring tool, mechanical drill or jack, at his option, to form the passage through the soil for insertion of water services under existing pavements. The size of the passage shall be just large enough to accommodate the service, but not so large to cause post-construction subsidence of the pavement. The service line shall be capped or plugged during the insertion process to prevent the entrance of soil. The insertion and receiving pits shall be backfilled in accordance with Section 208.

The replacement service line shall be one continuous length (no couplings in the new copper tubing will be allowed) and be of sufficient length to allow for some movement for trench settling after placement of the backfill material. For Full Lead Service Line Replacements, a new 1.50” copper service is to extend to the new water meter located inside the home (or matching size for pipes larger than 1.5”). For Full and/or Private Replacements, should an existing water meter be located outside the home, the Contractor shall discuss a location to install a new meter inside the home prior to the property owner signing the Property Owner Agreement Form. Owner shall supply Contractor with new meter under this contract.

After laying the new full copper service, a new curb stop and curb box will be installed. The old curb stop shall be closed and disconnected from the new service line. In the case of service lines for which the property owner has not granted right-of-entry permission or signed the Property Owner Agreement form, the service line cannot be replaced in its entirety, and a Partial Lead Service Line Replacement will be performed. Partial Lead Service Line Replacements will be from the water main to the existing curb stop with new 1.50” copper line and a reducer and Potable Water Service Tubing used to connect to the existing water service line.

For Private service replacement, in the case of service lines for which the property owner has not granted right-of-entry permission or signed the Property Owner Agreement form, the service line cannot be replaced. After laying the new private copper service, it shall be connected to the existing curb stop.

All above ground (interior) water service piping shall be installed with associated piping, valves, hangers, supports, restraints, valves, meter and fittings to connect to the new water service meter. Reductions in size to connect to the existing water service shall be performed using reducing fittings. After installation and connection to the interior plumbing system, and verification of valve and meter operation, Contractor shall remove all debris and excess material from the work area inside the home. If miscellaneous items had been relocated to obtain access to the meter, those

items shall be placed back to their original location prior to construction.

Contractor shall keep the existing and new water service line clean during installation. Following installation, the service pipe shall be flushed clean prior to disconnecting the existing service. After each service is reconnected, the Contractor shall verify that the water service is supplying adequate water. The Contractor will be charged for any labor and materials used by the City Utilities Division to correct any problems that arise due to Contractor's efforts.

All valves shall be installed at locations to allow for easy operation through access panels, doors, or adjacent to equipment and other features. Valves shall be installed in a horizontal upright position, and not a downward facing position from a horizontal plane.

Pipe penetrations shall be performed by the Contractor at the home for full and/or private replacements. Contractor shall furnish all labor, materials, equipment and incidentals required and install pipe penetration assemblies at all floor and wall penetrations. Generally, penetration details are called out and referenced on the Drawings. Where penetrations are required the most conservative penetration detail shown on the detail sheets shall be utilized as appropriate for the piping type, the wall or floor construction and the rating of the wall or floor penetrated. Where existing tile, brick, wood or other floor or wall material must be cut through, existing materials should be preserved as much as possible and set aside for the Property Owner to re-install. In preparation of surfaces for penetrations, the Contractor shall prepare those surfaces that will be in contact with the final seal. The surfaces shall be free of dirt, loose rust, oil, wax, grease, curing compounds, laitance, loose concrete or other deleterious and all other preparations in accordance with manufacturer's recommendations. The sealing produce shall be placed in such a manner, for the consistency necessary for each application, to assure that the space to be sealed is completely filled. For installation of a sleeve, install sleeve for piping passing through wall penetrations. Select the sleeve of the size large enough for the water service pipe in accordance with the manufacturer’s written instructions. Sleeves shall be cut to length for mounting flush with all interior/exterior surfaces. Use grout or silicone sealant to seal the space outside of the sleeve. All seals shall be cured in accordance with the manufacturer’s written instructions.

Cutting, coring, and patching will be made to existing construction. Coring shall be used where wall sleeves are to be installed. All cutting and rough patching shall be performed by the Contractor, and the Contractor shall make every attempt to minimize and control the generation of dust within the home due to their work. Finish patching shall be the responsibility of the Contractor. Contractor shall coordinate and perform all cutting, fitting and patching including attendant excavation and backfill to make sure several parts fit together properly. Provide penetration of structural surfaces and materials for installation of piping. Execute excavating and backfilling by methods which will prevent settlement or damage to other work. When excavating in close proximity to piping or other items subject to damage, use hand excavation. Refine entire surfaces as necessary to provide an even finish to match adjacent surfaces. Contractor shall remove all debris resulting from cutting, coring, and patching to the satisfaction of the Engineer.

Cutting shall be performed in a manner so as to limit the extent of patching and performed with a concrete saw and diamond saw blades of the proper size. Cutting shall not be performed in locations where wall sleeves will be installed unless approved by the Engineer. Contractor to provide for control of the slurry generated by sawing operations on both sides of the wall and from below when cutting a floor. When cutting reinforced concrete wall or floor, the cutting shall be done so as not to damage the bond between the concrete and reinforcing steel left in structure. Cut shall be made so that steel neither protrudes nor is recessed from face of the cut. Contractor shall saw cut concrete and masonry prior to breaking out intended sections.

All existing water services abandoned in place shall have all existing corporation and curb stop valves closed prior to abandonment. Cut ends shall be fully crimped. Water service pipe entering the home shall be removed prior to concrete patching.

Install any electrical grounding across meter at the completion of the work.

Water Service work to replace the Public Side of the water service will be paid for at the Contract unit price per EACH service connection for SHORT WATER SERVICE – PUBLIC REPLACEMENT up to 2 inches in diameter, less than 30 LF in length (from water main to curb box), counted in place.

Water Service work to replace the entire water service line including both the Public and Private Side will be paid for at the Contract unit price per EACH service connection for SHORT WATER SERVICE – FULL REPLACEMENT up to 2 inches in diameter, from water main to meter, counted in place.

Water Service work to replace the Public Side of the water service will be paid for at the Contract unit price per EACH service connection for LONG WATER SERVICE- PUBLIC REPLACEMENT up to 2 inches in diameter, 30 LF to 70 lf in length (from water main to curb box), counted in place.

Water Service work to replace the entire water service line including both the Public and Private Side will be paid for at the Contract unit price per EACH service connection for LONG WATER SERVICE- FULL REPLACEMENT up to 2 inches in diameter, from water main to meter, counted in place.

Short public and full services are defined as locations where the water main is 30 feet or less from the curb box. Long public and full services are defined as locations where the water main is more than 30 feet and less than 70 feet from the curb box.

Water Service work to replace the private-side of the water service will be paid for at the Contract unit price per EACH service connection for SHORT PRIVATE-SIDE LEAD WATER SERVICE LINE REPLACMENT, 2” DIA OR LESS, up to 15 LF in length (from curb box to existing existing lead-to-copper connection at the), counted in place. The first 15-feet of exterior copper pipe shall be included with this price. Remaining exterior copper pipe shall be paid for using the EXTERIOR COPPER PIPE line item.

Water Service work to replace the private-side of the water service will be paid for at the Contract unit price per EACH service connection for LONG PRIVATE-SIDE LEAD WATER SERVICE LINE REPLACMENT, 2” DIA OR LESS, up to 50 LF to in length (from curb box to interior surface of house), counted in place. The first 15-feet of interior copper pipe shall be included with this price. Remaining interior or exterior copper pipe shall be paid for using the INTERIOR COPPER PIPE line item or EXTERIOR COPPER PIPE line item, respectively.

Water Service work will be paid for at the Contract unit price per EACH service connection for WATER SERVICE 4 inches or greater diameter, less than 50 LF in length, counted in place.

Water Service work to install exterior copper pipe greater than 15-feet from the curb box to an existing exterior lead-to-copper water connection for short private side lead water service line replacements, or greater than 50 feet from the curb box to the interior surface of the house for

long private side lead water water service line replacements, or greater than 70 feet from watermain to curb box for long full and/or public water service line replacements, or greater than 30 feet from watermain to curb box for short full and/or public water service line replacements, shall be paid for at the Contract unit price per LINEAR FOOT for EXTERIOR COPPER PIPE, up to 2 inches in diameter.

Water Service work to install interior copper pipe more than 15-feet from the interior surface of the house foundation (floor or wall) shall be paid for at the Contract unit price per LINEAR FOOT for INTERIOR COPPER PIPE, up to 2 inches in diameter.

Water Service work that requires coring of interior walls of various thickness and material shall be paid for at the Contract unit price per EACH for CORING INTERIOR WALLS.

The Contractor shall pothole on private property, only those properties that have submitted a signed ROE and Property Agreement Form, at the direction of the Owner or Engineer in order to verify private side water service material. All such potholes shall utilize a vacuum truck to minimize disturbance to the surface. The Contractor shall properly dispose of any material removed and restore the disturbed area to pre-construction conditions. Each pothole up to 20 square feet in surface disturbance and up to 8-feet deep shall be paid for at the Contract unit price per EACH for WATER SERVICE POTHOLING.

The Contract unit price WATER SERVICE shall be payment in full for all materials, labor, and equipment required for: site preparation, including removal, replacement and/or repair of fences and other site objects; excavation, including removal and disposal of existing pipes, structures, and excess excavated materials; protection, support and repair of damage to existing utilities; support of installation pit walls; shoring and bracing; dewatering of installation pits; trenchless installation (augering/boring/jacking, or other trenchless methods) of new service line, disconnection of existing water services and extending new services from the new water main to the new service box to be installed in the parkway and to the meter as necessary; new curb boxes, couplings, fittings, joint materials, corporation stops, tapping saddles, curb stops, service piping, and buffalo boxes; machine tapping of holes into new water main; supply backfill material, backfill placement, compaction and compaction testing; disinfection; testing; correction of defects; concrete coring and patching of home; demolition within the work area; access pits; abandonment of the existing water service; homeowner coordination; and other related work required to complete the installation which is not included under other Payment Items. Additionally, for WATER SERVICE 4 inches or greater, the price shall also include all water service pipes, tees (no tapping saddles allowed) and two (2) 4-inch or greater resilient wedge type valves and valve boxes per each long service, and one (1) 4-inch or greater resilient wedge type valve and valve box per each short service to match the diameter of the new service. For Full and/or Public Services less than or equal to 1.50 inches shall be replaced with a 1.50 inch diameter minimum service. For Full and/or Public Services between 1.50 inches to 2 inches shall be replaced with the same diameter as the existing service. For Private existing services less than 2” diameter will match the diameter of the existing water service diameter located on the public-side of the curb stop. For Private existing services that are 2” diameter shall be replaced with a 2” diameter services. For Private existing services between 1.5” and 2” diameter shall be replaced with the same size as the existing service located on the public-side of the curb stop. Existing services greater than 2 inches and less than 4 inches shall be replaced with 4 inch services. Services over 4 inches shall be replaced with the same diameter as the existing service. The Contractor is advised that specific liquidated damages apply to disruptions of individual water services as indicated in Bid Form of Contract Documents.

ADJUSTING SANITARY SEWERS AND WATER SERVICE LINES

Add the following subparagraphs to Article 563.01.

"(a) Adjusting and Reconnecting Sanitary Sewer Services. Work under the Payment Item "ADJUSTING SANITARY SEWER SERVICE" shall consist of installation of a new tee or wye fitting at the proposed or existing mainline combined sewer, if necessary, and installation of new sanitary sewer service pipe from the combined sewer to the existing sanitary sewer service line 2 feet beyond the outer face of curb, as shown on the Drawings and/or as directed by the Engineer. Work under the Payment Item "ADJUSTING SANITARY SEWER SERVICES" shall consist of adjusting and reconnecting sanitary sewer services where required by the replacement of the existing combined sewer and/or installation of a new relief sewers, using new service pipe, fittings, and couplings as necessary.

(b) Water Service Line Disconnection and Replacement. Work under the Payment Item "ADJUSTING WATER SERVICES" shall consist of rerouting the existing water service lines because of new sewer installation using new service pipe, fittings, and couplings as necessary. The Contractor shall make every reasonable effort to protect existing services. In some locations, however, it may be necessary to reroute services. Where approved by the Engineer, the Contractor may remove and reroute water services within trench lines to provide adequate clearance from new facilities. The existing water services shall be cut at both sides of the trench for the proposed sewer pipe, and replaced by new copper service lines which shall be connected to the existing water lines adjacent to or above the proposed sewer pipe or as directed by the Engineer. No reconnection joints shall be located directly above or below the proposed sewer. The City system contains a range of service sizes and materials. The Contractor shall maintain a suitable inventory of proper service piping and fittings so as to minimize the time required for making re-connections.

Add the following subparagraphs to Article 563.02 - Materials.

"(a) Sewer Services. Any existing system components, including fittings, which are damaged by the Contractor due to his negligence, shall be replaced by him at his own expense. Material used for replacement shall be equal to that used for reconnection of existing sanitary building services in conformance with this Specification.

(i.) Eight-inch diameter or smaller individual building services. Service pipe material shall be PVC or ductile iron pipe as specified in Section 550. Where service pipes run beneath other major utilities which are likely to place a structural load on the service pipe, such as beneath new relief sewers, ductile iron service pipe shall be used. At other locations, PVC service pipe shall be used.

(ii.) Services shall be connected to PVC or VCP mainline sewers by means of factory-made wye fittings of strengths equal to or greater than the mainline sewer. Tapping saddles may NOT be used for connection of services to PVC or VCP mainline sewers.

(iii.) Connectors for reconnection of service pipes to RCP mainline sewers 24-inch and larger shall be KOR-N-TEE or equal meeting ASTM C-923, sized to match the diameter and material of service.

(b) Water Service Line Reconnection

(i.) Service pipe and system components. Material shall be as specified in Section

562

(ii.) Water Service Line Sleeve. Sleeves for water service lines shall be Schedule 40 PVC pipe conforming to ASTM D-1785.

Shop drawings for system components shall be submitted for approval as soon as possible, but not less than thirty (30) calendar days prior to the time when the components are intended to be installed."

Add the following paragraph to Article 563.03:
"If the Contractor damages any sanitary service line not requiring adjustment, or any other underground structure or utility, he shall replace or repair it as required by the Engineer and no additional compensation will be allowed. When a sanitary sewer is to be adjusted, the Contractor shall remove it carefully to prevent damage to the existing pipe which will remain."

Add the following paragraph to Article 563.04:
"All openings into RCP sewer main shall be clean, machine-cored openings which will not damage the structural integrity of the pipe. Break-in connections are prohibited. Service connections shall be at least two 2 feet apart. All reconnection of new service pipes to existing service pipes shall be by means of an approved flexible coupling."

Add the following paragraphs to Article 563.05:
"The Contractor shall take all precautions to keep the existing and new water service line clean from all debris and shall flush the new copper service line prior to reconnecting to the existing service. After each service is connected, the Contractor shall verify that the water service is supplying adequate water. The Contractor will be charged for any labor and materials used by the Water Department to correct any problems that arise due to Contractor's efforts.

All water services, which pass below or within 18 inches above combined, storm, sanitary, and relief sewers and services, shall be sleeved using a PVC casing pipe. The water service sleeve shall be of adequate diameter to accommodate the copper water service line and shall extend a minimum of 10 feet either side of the sewer. The ends of the PVC casing pipe shall be sealed with class SI concrete or as approved by Engineer."

Sanitary services shall be paid for at the Contract unit price per EACH service connection for SANITARY SEWER SERVICE to 2 feet beyond the outer face of curb, up to 8 inches in diameter, counted in place.

The Contract unit price for SANITARY SEWER SERVICE shall be payment in full for all materials, labor and equipment required for: site preparation; including removal, replacement and/or repair of fences and other site objects; excavation, removal and disposal of existing pipes, structures, and excess excavated materials; protection, support and repair of damage to existing utilities; support of trench walls; shoring and bracing; dewatering of trenches; pipe joint materials and fittings, including wyes/tees, couplings, and bends; connections to existing piping; pipe bedding and cover; backfill placement, compaction and compaction testing; correction of defects; and related work required to complete the installation which is not included under other Payment Items. The Contractor is advised that specific liquidated damages apply to disruptions of individual sanitary services as indicated in Bid Form of Contract Documents.

Adjustments shall be paid for at the Contract unit price per LINEAR FOOT for ADJUSTING WATER SERVICES up to 2 inches in diameter; SLEEVES FOR ADJUSTING WATER SERVICES, and ADJUSTING SANITARY SEWER SERVICE up to 8 inches in diameter; measured in the field. These Contract unit prices shall be payment in full for all materials, labor and equipment required for: site preparation; the cost of all joint materials; all connections; excavation; disposal of excess excavated materials; bedding; installation, including connections to existing systems; backfill placement, compaction and compaction testing; machine tapping of holes into pipe; system components, including wyes, tees, adapters, couplings, bends, concrete encasement, service line sleeves, pipes and tubing; testing; correction of defects; and other related work required to complete the installation which is not included under other Payment Items. The Contractor is advised that specific liquidated damages apply to disruptions of individual water and sanitary services as indicated in Bid Form of Contract Documents.

These items shall not include the cost of pavement, sidewalk, driveway, and curb/gutter removal and disposal within the pay limits shown on the Drawings. Roadway, sidewalk, driveway, and curb/gutter removal/ replacement within pay limits or as directed by the Engineer shall be paid for in accordance with the appropriate Pay Items.

Roadway, sidewalk, driveway, and curb/gutter removal/replacement outside the pay limits shown on the Drawings required for completion of the Work or for Contractor's purposes shall be incidental to combined sewer, relief sewer, storm sewer, and sanitary sewer construction and no separate payment shall be made.

REMOVING FIRE HYDRANTS

Add the following paragraphs to Article 564.01:
"This work shall also consist of removing all designated hydrants on water mains which are to be abandoned as a part of this project."

Add the following paragraph to Article 564.02:
All backfill under and within two (2) feet of the proposed paved areas excavated as a result of this work will conform to the specifications for TRENCH BACKFILL as herein provided."

Add the following paragraphs to Article 564.03:
"All pavements will be sawed to a full depth prior to the removal of the pipe up to auxiliary valve and valve box. At the direction of the Owner, the Contractor shall cover the abandoned fire hydrants with burlap bags until the Contractor removes the abandoned fire hydrants. The hydrant will be removed completely with the bottom section. Removal shall include the pipe and valve from the fire hydrant to the upstream of the auxiliary valve. The existing pipe shall be plugged. All excavated areas shall be backfilled and compacted under and within two (2) feet of all paved areas with trench backfill. All other excavated areas will be backfilled with suitable material to existing grade within parkway areas immediately following hydrant and auxiliary valve removal."

Existing fire hydrant/auxiliary valve assemblies removed (as part of water main relocation) will be paid for at the Contract unit price per EACH for FIRE HYDRANT WITH AUXILIARY VALVE TO BE REMOVED for the type and size specified and FIRE HYDRANTS TO BE REMOVED. This Contract unit price shall be payment in full for all materials, labor, and equipment required for: site preparation; excavation; disposal of excess excavated materials; capping water mains which will remain in operation; thrust-blocking; backfill placement, compaction and compaction testing; testing/ inspection; correction of defects; stockpiling reclaimed hydrants and auxiliary

valves; and, all related work required to complete the installation which is not included in other Payment Items.

This item shall not include the costs of pavement, sidewalk, driveway, and curb/gutter removal and disposal necessary for removal of hydrants and valves. Roadway, sidewalk, driveway, and curb/gutter removal/replacement shall be paid for in accordance with the appropriate Payment Items. Fire hydrants shall remain the property of the city and shall be stored in a secured area for pickup by city.

CATCH BASIN, MANHOLE, INLET, DRAINAGE STRUCTURE AND VALVE VAULT CONSTRUCTION, ADJUSTMENT AND RECONSTRUCTION

Delete Article 602.01 and replace it with the following:

"**602.01 Description.** This work, as shown on the Drawings, shall consist of:

(a) Removing and disposing of existing manholes, inlets and catch basins designated to be abandoned.

(b) Replacing existing manholes, catch basins, inlets, and valve vaults.

(c) Adjusting or partially reconstructing existing manholes, catch basins, inlets, or valve vault structures in order to rehabilitate the utility structure and/or establish the utility structures at final finished grades.

(d) Constructing new valve vaults, including bases, barrel sections, transition cone sections or flat slab tops (if required), and required frames and lids.

(e) Constructing new combined sewer and relief sewer manholes, catch basins and inlets, including placing precast reinforced concrete sections together with flat slab tops (if required), transition sections, precast monolithic bases, frames and lids.

(f) Installing new frames/lids on existing utility structures to meet grades shown on the Drawings, to match existing grades, or as directed by Engineer."

Add the following paragraph and subparagraphs to Article 602.02:

"In addition to the requirements of the Standard Specifications previously cited, manhole catch basin, inlet and valve vaults materials shall conform to the following additional requirements, which, in case of conflict, shall take presence over the Standard Specifications:

(a) **Materials for Reconstructing Existing Structures.** Concrete brick or precast reinforced concrete sections.

(b) **Materials for Constructing New Structures.** Precast reinforced concrete sections only.

(c) **Final Grade Adjustments for Structures.** Tapered precast reinforced concrete adjustment rings shall be used for final grade adjustment of existing and new structures. Adjustment rings shall be laid on a full bed of mortar. A minimum of one and a maximum of two rings shall be used for final grade adjustment at each structure. The total height of final adjustment shall not exceed 11-inches for any structure. The use of brick for final structure adjustment is not permitted.

(d) Frames, covers and grates shall conform to Section 604.

(e) **Inlets.** Inlets shall be precast reinforced concrete conforming to INLET, TYPE A – IDOT STANDARD 602301 with the following exceptions: 1) Instead of a 16" depth, the depth shall be 34" unless otherwise specified on the drawings. 2) Instead of the 3" Sand Cushion, a minimum 6" deep granular material (CA-11) base will be required.

(f) **Catch Basins.** Type A catch basins shall be precast reinforced concrete conforming to CATCH BASIN TYPE A – IDOT STANDARD 602001 with the following exceptions: 1) Instead of a 34" sump, a 48" sump will be required. 2) Instead of the 3" sand cushion, a minimum 6" deep granular material (CA-11) base will be required.

(g) **Valve Vaults.** Valve vault sections shall be precast reinforced concrete conforming to ASTM C-478. All top sections for precast reinforced concrete valve vaults shall be precast reinforced concrete concentric cones or slab tops of the same quality as the barrel of the vault. Valve vaults shall be supplied with factory-formed openings to accommodate the various size water mains such that a minimum 12 inches of clearance between the top of the vault base and bottom of the main can be provided. Bases for replacement vaults on existing water mains shall be separate, one-piece precast units having a minimum thickness of 6 inche**s.** No slab or split bottom shall be used. Valve vaults for new valves shall be 4-foot, 5-foot, or 6-foot diameter.

(h) **Manholes.** Storm, sanitary, combined, and relief sewer manhole barrel sections shall be precast reinforced concrete conforming to the requirements of ASTM C-478. Pipe connections shall conform to ASTM C-923. No steps shall be installed in manholes. All top sections for precast reinforced concrete manholes shall be precast reinforced concrete eccentric cones or slab tops of the same quality as the manhole barrel. Except where otherwise indicated on the drawings, manholes shall have a precast monolithic base with a factory-installed bench and otherwise be in conformance with Illinois Department of Transportation Highway Standards MANHOLE TYPE A – IDOT STANDARD 602401. Where indicated on the drawings, manholes supplied for 48" and larger pipes shall be of a "T"-pipe base-style fabrication. The pipeline portion of the base "T" section shall conform to ASTM C-76 and be of the same pipe class as connected sewer pipe. The riser section shall conform to ASTM C-478.

(i) **Gasket Materials for Joints Between Precast Concrete Sections.** 100 percent butyl rubber rope-type gasket having a square cross-section of 1-inch nominal size conforming to the physical properties of Federal Specifications SS-S00210 as sold under the trade name E-Z Stik or equal.

Shop drawings for system components shall be submitted for approval as soon as possible, but not less than thirty (30) calendar days prior to the time when the components are intended to be installed."

Delete Article 602.03 in its entirety.

Delete Article 602.07 and replace it with the following:

"**602.07 Precast Reinforced Concrete Sections.** Base, barrel, cone and top sections shall be set as shown on the Drawings. The joints between precast concrete base sections, barrel sections, cone sections, and top slab sections in manholes, vaults, catch basins and inlets shall be sealed with two rings of 100 percent butyl gasket in rope form having a square cross-section of 1-inch nominal size. Adjusting rings and frames shall be set in full-width beds of cement mortar.

For valve vault reconstruction, the precast bottom slab should be placed directly on level, undisturbed earth. Sand may be used for final leveling off the bottom of the excavation, but thickness shall be kept to a practical minimum. In no case, shall the thickness of sand used for leveling exceed 1-inch. The purpose of requiring the base slab to be set on undisturbed earth and limiting the use of sand for leveling is to minimize post-construction settlement of the replacement valve vault and resulting damage to the existing water main. The Contractor shall bear the cost of repairing existing water mains damaged by vault settlement.

All lift holes on precast elements for manholes, vaults, catch basins, and inlets shall be completely filled with mortar and sealed with a bitumastic material."

Add the following to Article 602.11:
"(d) All existing frames, lids, grates and inlets reclaimed during construction are the property of the City of Evanston. These frames lids and grates shall be moved to a suitable place on the job for storage and made available for removal by the Owner.

(e) All manhole frame castings placed shall be set in full mortar beds composed of one part masonry cement to two parts sand by volume, based on dry materials, with no admixtures. Castings must be set accurately to the finished elevation so that no subsequent adjustment will be required. All frames will be adjusted to final grade by means of concrete adjusting rings. No brickwork to produce an adjustment ring will be accepted or permitted to adjust any structure to grade. Where manholes are located in roadways, paved alleys or paved driveways, casings shall be set to match the longitudinal slope and cross-slope of the pavement.

(f) Existing frames and lids must not be used as temporary covers during construction."

Delete the second paragraph of Article 602.13 and replace it with the following:
"The space between the sides of the excavation and the outer surfaces of the structures shall be filled with CA-11 material as shown on the Drawings."

Delete Article 602.16 and replace it with the following:
"This work will be paid for at the Contract unit price per EACH for CATCH BASINS, MANHOLES, INLETS, and VALVE VAULTS, of the types and sizes specified, measured in place. These Contract unit prices shall be payment in full for all materials, labor, and equipment required for: site preparation, including removal, replacement and/or repair of fences and other site objects; trench excavation, including removal and disposal of existing sewer pipes, structures, and excess excavated materials; protection, support and repair of damage to existing utilities; support of trench walls; shoring and bracing; dewatering of trenches; temporary pumping of combined sewer flows; new structures; bedding; sewer connection; frames, lids and other castings; flexible check valves; abandonment of existing sewers where called out on the Drawings, including filling and placement of required plugs; supply, placement, compaction, and compaction testing of material, infiltration/exfiltration and other testing/inspection; correction of defects; and, other related work required to complete the installation which is not included under other Payment Items.

Roadway, sidewalk, driveway, and curb/gutter removal/replacement outside the pay limits shown on the Drawings required for completion of the work or for Contractor's purposes shall be incidental to combined sewer, relief sewer, storm sewer, and sanitary sewer construction and no separate payment shall be made."

FRAMES AND LIDS TO BE ADJUSTED, SPECIAL

Add the following to Article 603.03 of the Standard Specifications:
"The contractor shall adjust the structures to the finished pavement elevation no more than 5 calendar days prior to placement of the final lift of surface unless approved by the Engineer."

Add the following to Article 603.09 of the Standard Specifications:
"Removing frames and lids on drainage and utility structures in the pavement prior to milling, and adjusting to final grade prior to placing the surface course, will be paid for at the contract unit price each for FRAMES AND LIDS TO BE ADJUSTED, SPECIAL.

This work will not be paid for separately when drainage and utility structures are specified for payment as reconstructions or new manholes but shall be considered as included in the unit price bid for structure reconstructions or manholes."

ADJUSTING FRAMES AND GRATES OF DRAINAGE AND UTILITY STRUCTURES

Delete Article 603.08 and replace it with the following:
"**603.08 Adjusting Rings**. Drainage and utility structure frames shall be adjusted to grade by removal of the frame and adjustment from the structure, preparing the top of the structure to receive the new adjustment, installing the proper height precast concrete adjusting rings and reinstalling the frame, all in accordance with applicable provisions of Section 602. The use of cast iron adjusting rings is prohibited."

FRAMES AND GRATES

Add the following to Article 604.02:
"(f) Frames and grates furnished under this Contract shall be Gray Iron Castings conforming to the Specifications for Gray Iron Castings, ASTM A-48, Class 35. Circular lids for manholes and vaults shall have large (2.5 inch nominal) pick holes. Circular lids for closing catch basins shall have large (2.5 inch nominal) pick holes:

(g) Frames and grates on structures shall be as follows (or approved equal):

Existing inlets and catch basins; new catch basins and inlets on Combined Sewer system:

- Neenah Type R-1712 (390 lbs.) Frame, Open Lid Grate (116 lbs.) with large (2.5 inch nominal) pick holes or equal.

New catch basins and type A inlets for Storm/Relief Sewer work:

- Neenah Type R-3031-B Frame, Sinusoidal Grate,
- Neenah Type R-3036-B Frame, Sinusoidal Grate (for Depressed Curb)

Manholes and vaults:

- Neenah Type R-1712 (390 lbs.) Frame and Extra Heavy Duty Cover (150 lbs.) with large (2.5 inch nominal) pick holes or equal. Valve Vault covers shall be lettered "WATER".

High Capacity Inlet, Type A

- Neenah Type R-3067-L Frame, Vane Grate

New frames and grates may be requested by the Engineer during adjustment of existing structures."

Delete Article 604.05 and replace it with the following:
New frames and grates and/or closed lids placed on adjusted and/or rebuilt existing structures will be paid for at the Contract unit price per EACH for FRAME AND GRATES, FRAME AND LIDS, and FRAMES AND LIDS(or GRATES) TO BE ADJUSTED. This work shall be paid for at the Contract unit price per EACH set of frame and lid or grate actually installed. These Contract unit prices shall be payment in full for all materials, labor, and equipment required for: site preparation; excavation; disposal of excess excavated materials including existing structures; frames and grates/lids; adjusting rings, tapered adjusting rings where necessary and concrete setting materials; installation; backfill placement, compaction and compaction testing; testing/inspection; correction of defects; stockpiling reclaimed castings; and all related work required to complete the installation which is not included in other Payment Items.

Frames and grates or closed lids placed on new structures will be considered incidental to the cost of the new structures and will be paid for under the appropriate Pay Items for new structures.

Removed frames and grates shall remain the property of the city and shall be stored in a secured area for pickup by the city.

REMOVING OR FILLING (ABANDONING) EXISTING MANHOLES, CATCH BASINS AND INLETS
Add the following sentences to Article 605.01:
"This work shall also consist of all work necessary to remove or fill existing valve vaults so designated on the Drawings. The terms "fill", "remove", and "abandon" shall be interchangeable and shall consist of removing the upper portion of an existing structure, filling unused pipes, sealing pipe connections, and filling the remainder of the structure with Trench Backfill sand (FA-6), compacted to the satisfaction of the Engineer."

Articles 605.03 and 605.04 shall apply with the following modifications:
"The Contractor shall make his own investigation to determine the existence, nature and location of all sewers and appurtenances thereto within the limits of the improvement. The Contractor shall be held responsible for any damage to existing sewers. All pavements will be sawed to a full depth prior to any casting replacement/adjustment, structure removal, or filling operation. Connecting pipes shall be cut one joint from the existing structure to be removed/filled. Structures in private paved areas, parkways and other grassed areas shall be removed a minimum of 2-feet below final grade and structures in public streets shall be removed a minimum of 6-feet below final grade. Pipes connected to these structures shown to be abandoned and shall be filled with CLSM materials in accordance with Article 550.05. Remaining portions of existing structures may be filled with Case I trench backfill material in accordance with Section 208 or may be filled with CLSM material in accordance with Article 550.05, at Contractor's option. Structures shall be pumped out and cleaned of all mud and debris before the fill material is placed. The remainder of the excavation shall be backfilled in accordance with Section 208."

Delete Article 605.06 and replace it with the following:
"This work will be paid for at the Contract unit price per EACH for catch basins, inlets, valve vaults, valve boxes, and manholes that are to be abandoned, filled, or removed, as counted in

the field. These Contract unit prices shall be payment in full for all materials, labor, and equipment required for: site preparation, including removal, replacement and/or repair of fences and other site objects; excavation, including removal and disposal of existing sewer pipes, structures, and excess excavated materials; protection, support and repair of damage to existing utilities; saw-cutting, removal and disposal of existing pavement; excavation, removal and disposal of removal wastes; supply, placement, compaction, and compaction testing of backfill, stockpiling reclaimed castings; and all related work required. For items abandoned, the price shall include the cost of removal of frames/covers, adjusting collars and structure down to 24-inches below existing grassed surface or 72-inches below existing pavement as applicable, disposal of wastes, concrete bulkheads, and filling of remaining structure as specified."

CONCRETE GUTTER, CURB, MEDIAN, AND PAVED DITCH

Delete Article 606.01 and replace it with the following:

"**606.01 Description.** This work shall consist of concrete curb type B modified, combination concrete curb and gutter type B-6.12 and B-6.12 modified, and removal/replacement of existing medians."

All curb and gutter removed shall be formed within 2 working days of removal. New curb and gutter shall be poured within 1 working day of being formed. The forms shall be removed within 1 working day after the concrete pour and the restoration behind the new curb shall be done with 24 hours after removal of the forms. All low areas shall be filled in to match the surrounding grades within 72 hours of the curb being poured.

Add the following Subparagraphs to Article 606.02:

"(g) **Base.** A minimum of four (4") inches compacted thickness of aggregate base course shall be placed on the subgrade prior to construction of the proposed concrete curb and gutter.

(h) **Forms.** The use of a slip-form or curb machine is allowed, but the Contractor is advised that variable face height curb is required in many parts of the Project to match existing curbs, roadways and parkway grading. Additional pavement patching, restoration or excavation beyond the requirements of this proposal, as required for or resulting from the use of such a machine, will not be considered for additional payment and should be considered incidental to its use. Excavation to accommodate the installation of concrete forms or use of slip-form shall be limited to 12 inches from back of proposed curb. Hand forming shall be required in the vicinity of specific trees where the root zones are near and/or have overgrown the existing curb line. These locations will be determined by the City Arborist.

(i) **Curing.** Curing shall be in accordance with Article 1022.01. Curing compound shall be Type III. Protect all surfaces from sun. During hot weather, keep temperature of concrete below 90 degrees Fahrenheit. During cold weather, keep temperature of concrete between 50 degrees F and 70 degrees F for 3 to 5 days. Protect from frost and rapid drying for 6 days. The Contractor shall be solely responsible for protecting his work from vandalism. All vandalized concrete work shall be removed and replaced at the Contractor's expense."

Add the following sentence to Article 606.06 - Placing Concrete.

"The transition from full height curb to depressed curb shall be made at a maximum rate of three (3) inches per foot of length."

Delete the last sentence of the first paragraph of Article 606.07.

Add the following paragraphs to Article 606.07:
"Expansion joints consisting of pre-molded bituminous expansion joint filler, one-half inch in thickness and two greased 1-inch diameter dowel bars with expansion caps shall be placed at 50-foot intervals. When curb and gutter is constructed adjacent to flexible pavement, a 1-inch thick preformed expansion joint, conforming to the cross-section of the curb and gutter, shall be installed at points of curvature for short-radius curves and at construction joints.

Contraction joints shall be placed between expansion joints at distances not to exceed twenty-five (25) feet. Contraction joints shall be formed using steel templates one-eighth inch in thickness, equal to the width of the gutter or curb, and penetrating at least two (2) inches below the surface of the curb and gutter; using three-quarter ($^3/_4$) inch thick preformed expansion joint filler placed fully across the curb or gutter; or by sawing to a depth of at least two (2) inches after the concrete is four-hours, but not more than twenty-four hours old. If steel templates are used, they shall be left in place until the concrete has set sufficiently to hold its shape but shall be removed while the forms are still in place. Template-formed or sawed joints shall be sealed in accordance with Article 420.12.

All longitudinal joints, except adjacent to flexible pavement, shall be provided with No. 6 epoxy coated steel tie bars thirty (30) inches long at 36" on center conforming to Article 1006.10 and installation in accordance with IDOT Standard 606001. This work is incidental to the curb pay item.

Hand removal and hand forming of the curb and gutter shall be required in the vicinity of specific trees and their root zones. These individual locations shall be determined, in the field, by the City Arborist. These operations shall be considered incidental to the work, and no separate payment shall be made. Excavation to accommodate the installation of concrete forms or use of slip-form shall be limited to 12 inches from back of proposed curb.

The proposed curb and/or curb & gutter flag thickness shall meet the bottom of the existing pavement and extend to the top of the proposed edge of pavement as shown on the plans. No separate payment shall be made for additional concrete used."

Delete Article 606.15 and replace it with the following:
"This work will be paid for at the Contract unit price per LINEAR FOOT for CONCRETE CURB TYPE B, COMBINATION CONCRETE CURB AND GUTTER TYPE B-6.12, and COMBINATION CONCRETE CURB AND GUTTER TYPE B-6.12 MODIFIED. Curb and gutter will be measured in place for the quantity actually removed and replaced within the pay limits shown on the Drawings or as directed by Engineer.

These Contract unit prices shall be payment in full for all materials, labor and equipment required for: site preparation, including removal, replacement and/or repair of fences and other site objects; saw-cutting, removal and disposal of existing curbs/gutters and other structures; excavation, including removal and disposal of excess excavated materials; final grading of aggregate base course, backfill; furnishing and installing all joints as required, including epoxy coated tie bars; curing; protection; and all related work required to complete the installation which is not included in other Payment Items. Modified (depressed) curbs shall be paid for at the same Contract unit price as standard type B, B6.12.

Removal/replacement of curb/gutter will be paid for where placed within the standard trench width of new sewers, manholes, catch basins, and inlets, where shown on the Drawings outside the standard trench width or where directed by Engineer.

Removal/replacement of curb/gutter outside the pay limits specified which have been damaged by Contractors operations or which have been removed/replaced for Contractor's purposes shall be considered incidental to the work and no separate payment shall be made."

TRAFFIC CONTROL AND PROTECTION

Delete Article 701.20 and replace it with the following:

This work will be paid for at the Contract LUMP SUM price for TRAFFIC CONTROL AND PROTECTION. This lump sum price shall be payment in full for all materials, labor and equipment required for: handling, furnishing, transporting, installing, maintaining, relocating and removing all traffic control devices and signage required for to fully protect construction operations and the general public; including implementing any detour plans shown on the Drawings. This lump sum price shall also include all materials, labor and equipment required for: furnishing, installing, relocating and removing steel plates and other temporary bridging over trenches, auger pits, receiving pits and other areas disturbed by construction activities. The salvage value of the materials removed shall be reflected in the price bid for this Item. Progress payments for traffic control will be made in direct proportion to the value of work completed. Contractor shall also refer to the IDOT Standards included herein for additional traffic control measures. The Contractor is advised that specific liquidated damages apply for failure to maintain traffic control devices.

TRAFFIC CONTROL AND PROTECTION shall be paid monthly in an amount equal to the lump sum price bid multiplied by the overall percentage completion of other Contract Payment Items.

CONSTRUCTION LAYOUT

This work shall consist of surveying local control points to establish horizontal and vertical control required for construction of the water main improvements and related contract items of work. These stakes or markings must be maintained throughout construction. The survey foreman will be responsible for the review of stakes and marking with the Engineer prior to the final placement of any materials.

This work will be measured and paid for at the contract unit price LUMP SUM as CONSTRUCTION LAYOUT, which price includes all labor, material and equipment necessary to survey control points, lines, establish stakes and marking, and the review of all such stakes and markings with the Engineer.

The limits of concrete construction contract items will be provided by the Engineer.

STREET SWEEPING

Add the following paragraphs to Article 107.15:

"The Contractor shall utilize a mechanical street sweeper to clean streets affected by the Contractor's operations, including haul routes, at least twice per week and additionally as directed by the Engineer. Liquated Damages shall be assessed as outlined in the Bid Form if the Contractor fails to utilize a mechanical street sweeper to the satisfaction of the Engineer. The street-sweeper shall be a full-sized, municipal-type sweeper having dust collection and street washing capabilities. If, in the opinion of the Engineer, dust becomes a problem despite the normal cleanup measures of street sweeping, the Contractor shall wash down the pavement, spread calcium chloride as a palliative, or re-sweep streets as necessary, all at no additional cost to the Owner. The Contractor shall keep sufficient quantities of calcium chloride on site, for use

as directed by the Engineer for dust control. The contractor shall provide cleanings twice per week and additionally as directed by the Engineer.

This work will be paid for at the Contract unit price per EACH for STREET SWEEPING, which price shall be payment in full for labor, equipment and materials required to complete the work.

ENVIRONMENTAL CONTROL
The Contractor shall be responsible for furnishing all necessary items for fulfilling the Work described herein for environmental protection including prevention and control of erosion and sedimentation that results directly or indirectly from the Project.

PREVENTION OF WATER POLLUTION
The Contractor shall take all such precautions in the conduct of his operations as may be necessary to avoid contaminating the water in adjacent watercourses or water storage areas including wells whether natural or man-made.

All earthwork, moving of equipment, water control of excavations, and other operations likely to create silting, shall be conducted so as to minimize pollution of watercourses or water storage areas.

Water used during the Contract Work, which has become contaminated with oil, bitumens, harmful or objectionable chemicals, sewage or other pollutants, shall be disposed of so as to avoid affecting all nearby waters and lands. Under no circumstances shall the Contractor discharge pollutants into any watercourse or water storage area. Do not allow water used in aggregate processing, concrete curing, foundation and concrete lift cleanup or any other waste to directly enter a stream untreated. When water from adjacent natural sources is used in the Contract Work, intake methods shall be such as to avoid contaminating the source of supply or becoming a source of erosion or sedimentation.

NOISE AND AIR POLLUTION CONTROL
Conduct operations so as not to violate any applicable ordinances, regulations, rules and laws in effect in the area at the date of bid opening pertaining to noise and air pollution and to conform to all provisions in effect at the date of bid opening as set forth in the Rules and Regulations Governing the Control of Air Pollution and noise pollution in the State of Illinois.

PLANT PEST CONTROL
All soil moving or handling equipment that has operated in or will operate in regulated areas shall be subject to plant quarantine regulations. In general, these regulations require the thorough cleaning of soil from equipment before such equipment is moved from regulated areas to uninfected areas. Complete information may be obtained from the regional office of the Plant Pest Control Division of the United States Department of Agriculture.

PRESERVATION OF NATURAL RESOURCES
All construction operations, contract work, clean up and the condition of the adjacent terrain upon completion of the Work shall fully comply with all applicable regulations and laws concerning the preservation of natural resources.

DUST CONTROL
Throughout the entire construction period, maintain dust control by use of water sprinklers or chemical dust control binder as may be approved by the Engineer.

WORK INSIDE THE HOME AND ON PRIVATE PROPERTY

The Contractor shall take all precautions to minimize disturbance within private property for Full Lead Service Line Replacements. The Contractor shall agree on the proposed means and methods for minimizing disturbances on Private Property with the Engineer and the Property Owner prior to the Property Owner signing the Property Owner Agreement Form. At a minimum such protections may include maintaining dust due to cutting concrete; installing plastic sheeting to isolate work areas; plastic wrapping shoes prior to entry; protecting existing appliances; minimize removal of drywall, tile, and other interior materials; temporarily removing and replacing exterior plants (when possible); not disturbing vegetation outside of the agreed upon immediate work zone, and other precautions necessary to limit interior disturbances to the Property Owner.

PAYMENT

No separate payment will be made for the work in this Section; all the costs of such work shall be considered incidental to the items of work to which they pertain.

BRICK SIDEWALK REMOVE AND RESET

Description. This work shall consist of removing and replacing existing brick pavers, concrete pavers, stone, and any other type of specialty sidewalk or landscape features with the same material in kind, at the locations and limits determined by the City during construction. This work shall be done in accordance with Article 1041.03 of the Standard Specifications except as noted herein.

Construction Requirements. Each area shall be returned to the same or better condition as it was prior to removal. The Contractor shall furnish all materials necessary to replace damaged pavers, to use for cutting, and to match the original dimensions of the specialty sidewalk or landscape feature. The Contractor shall not remove intact bricks from the project limits. Cleaning shall consist of removing all debris, mud, markings, etc. with water and a brush.

If base course removal is required, the depth of CA-6 shall be determined by the City and compacted with a hand compactor so that the finish is free of all undulations, ruts, tire mark and depressions. Upon completion of the stone base layer, a three-quarter inch (3/4”) layer of sand, gradation FA-2, shall be placed and compacted with a hand compactor so that the finish is free of all undulations, ruts, tire mark and depressions. Prior to placing the pavers, the City shall visually inspect the portion of sidewalk to receive the repair. The Contractor shall repair any area deemed necessary by the City by adding additional sand and compacting the area.

Method of Measurement and Basis of Payment. This work shall be paid for at the contract unit price per SQUARE FOOT for BRICK SIDEWALKS, REMOVE AND RESET. This price shall include all costs for excavating, disposing of excess excavated material, furnishing base material, placing the pavers, and all other labor, material, and equipment necessary to furnish and install this item.

Furnishing and placing stone, sand, and any other replacement materials required to match the existing surface type of the sidewalk or landscape feature will not be measured for payment but shall be considered as included in this item.

It is the sole responsibility of the Contractor to determine the extent of work necessary to complete this work prior to contract bidding, as no additional compensation shall be provided for this item.

LEAD-BASED PAINT AND ASBESTOS MATERIALS REMEDIATION ALLOWANCE

Description. The Contractor is responsible for the completion of a limited hazardous materials survey to identify all asbestos-containing materials (ACM) and lead-based paint (LBP) that may impact each property when performing Full Replacement of Lead water services. Based on the survey results, if ACM or LBP identified or suspected in the work area by the Contractor, the Contractor shall hire a licensed asbestos and/or LBP abatement Contractor to remove and dispose of the ACM and/or LBP that may be disturbed from within the work area to allow the Contractor to perform Full Replacement. All work shall conform to the standards set by applicable federal, state of Illinois, and local laws, regulations and ordinances in such form in which they exist at the time of the Work under this Contract.

The work shall include all labor, equipment, and materials necessary to perform asbestos or lead abatement of surfaces noted or required in preparation for performing Full Replacement of lead water services. Work includes abatement/mitigation adhering to all applicable codes, regulations, health and safety requirements; obtaining all permits; performing all testing; training and licensing all personnel; protection of personnel, public, and adjacent surfaces; proper and legal disposal of all contaminated materials; demobilization; maintaining all documentation; and any other work as required. The Contractor shall coordinate abatement activities with their Contractors.

Method of Measurement

This work will not be measured for payment.

Basis of Payment

This work will be paid for in accordance with Article 109.04 of the Standard Specifications on a force account basis.

It is the responsibility of the Contractor to determine the extent of work necessary to complete this unless directed by the Engineer.

LANDSCAPING ALLOWANCE

This work shall include the furnishing, transporting, and planting of various landscaping items and plant health care as directed by the Engineer or the City's Public Services Bureau. This work shall follow the requirements of Section 253 of the Standard Specifications.

Method of Measurement

This work will not be measured for payment.

Basis of Payment

This work will be paid for in accordance with Article 109.04 of the Standard Specifications on a force account basis.

ELECTRICAL GROUNDING ALLOWANCE

When existing electrical grounding is grounded to the water service and is either disconnected or otherwise is required to be re-installed or modified, the Contractor shall re-establish electrical grounding to the newly installed water service. Splicing of the existing grounding wire is not allowed. Contractor shall utilize an electrical contractor registered in the State of Illinois to re-install electrical grounding in compliance with Chapter 6 (Electrical Code) of the City of Evanston Code of Ordinances, latest version. Contractor shall obtain and pay for any permits required to perform this work from the City of Evanston.

Method of Measurement
This work will be paid for in accordance with article 109.04 of the Standard Specifications on a force account basis.

Basis of Payment
This work will be paid for in accordance with Article 109.04 of the Standard Specifications on a force account basis.

SPEED HUMPS COMPLETE
This work shall include the installation of hot-mix asphalt speed humps at various locations throughout the project. Work consists of necessary saw cuts, pavement surface removal and disposal, cleaning and priming of the existing pavement, thermoplastic pavement markings and lines, HMA material, and placement of HMA to the dimensions as indicated in the attached details.

Method of Measurement
SPEED HUMPS COMPLETE will be measured for payment in square yard in place.

Basis of Payment
This work will be paid for at the contract unit price per SQUARE YARD for SPEED HUMPS COMPLETE.

CITY OF EVANSTON , ILLINOIS

2025 PRIORITIZED WATERMAIN AND LEAD WATER SERVICE LINE REPLACEMENT PROJECT

PROJECT MANAGER

PAUL MOYANO, PE
SENIOR PROJECT MANAGER
PUBLIC WORKS AGENCY
BUREAU OF CAPITAL PLANNING AND ENGINEERING

555 LINCOLN STREET
EVANSTON, ILLINOIS
(847) 448-8217
PMOYANO@CITYOFEVANSTON.ORG

NOTE
THE PROPOSED PROJECT WILL NOT ALTER OR HAVE IMPACT ON THE FLOOD PROTECTION AREAS AND THE PROPOSED DRAINAGE CONDITION OF THE PROJECT SITES.

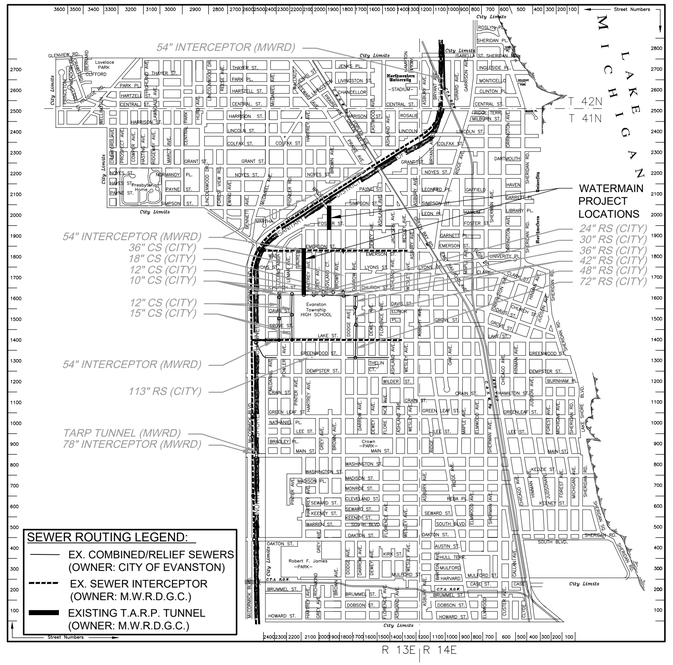
SIGNED BY: PAUL MOYANO, PE
SENIOR PROJECT MANAGER

NOTICE

1. **THE EXACT LOCATION OF ALL UTILITIES SHALL BE VERIFIED BY THE CONTRACTOR PRIOR TO CONSTRUCTION ACTIVITIES. FOR UTILITY LOCATION CALL J.U.L.I.E. AT 811 OR (800) 892-0123.**
2. **NO WORK TO BE DONE WITHIN THE PAVED STREET AREA FOR FIVE YEARS BY ANY UTILITY.**

JANUARY 2025

BID SET-BID NUMBER 25-10



LOCATION PLAN
NTS

LIST OF DRAWINGS

SHEET	TITLE
G-1	COVER
G-2	GENERAL LEGEND
G-3	GENERAL NOTES
G-4	PLANNED QUANTITIES
CB-1	BROWN AVE PLANS AND PROFILE STATION 0+25 TO 5+00
CB-2	BROWN AVE PLANS AND PROFILE STATION 5+00 TO END
CB-3	BROWN AVE EROSION CONTROL AND RESTORATION PLANS
CH-1	HARTREY AVE PLANS AND PROFILE STATION 0+50 TO 5+00
CH-2	HARTREY AVE PLANS AND PROFILE STATION 5+00 TO 10+00
CH-3	HARTREY AVE PLANS AND PROFILE STATION 10+00 TO END
CH-4	HARTREY AVE EROSION CONTROL PLAN
CH-5	HARTREY AVE RESTORATION PLAN
CZ-1	CITY OF EVANSTON DETAILS I
CZ-2	CITY OF EVANSTON DETAILS II
CZ-3	CITY OF EVANSTON DETAILS III
CZ-4	CITY OF EVANSTON DETAILS IV
CZ-5	CITY OF EVANSTON DETAILS V
CZ-6	MWRD GENERAL NOTES
CZ-7	IDOT DETAILS

CDM Smith
125 South Wacker Drive, Suite 2510
Chicago, IL 60606
Tel: (312) 346-5000
IL COA No. 184-001297

Contact the Metropolitan Water Reclamation District of Greater Chicago 2 days before starting work.

P (708) 588-4055
E WMOJobStart@mwrd.org

Water ***Environment*** ***Transportation*** ***Energy*** ***Facilities***

1667-265896

STANDARD SYMBOLS

FEATURE	EXISTING	PROPOSED
BACK OF CURB (BOC)		
BUILDING		
CABLE TV	CTV	CTV
CENTERLINE		
COMBINED SEWER	C	C
CONCRETE		
CONTOUR		
DRIVEWAY		
ELECTRIC LINE	E	E
EDGE OF PAVEMENT (EOP)		
FACE OF CURB (FOC)		
FENCE		
GAS LINE	G	G
GRAVEL		
PROPERTY LINE		
ROW		
SANITARY SEWER	SS	SS
SIDEWALK		
STORM SEWER	SD	SD
STREETLIGHT CABLE	S/L	S/L
STRIPING		
WATER MAIN (SIZE VARIES)	6"WM	6"WM
BOLLARD		
BUFFALO BOX	BB	BB
CATCH BASIN	CB	CB
CONTROL POINT		
FIRE HYDRANT		
HANDHOLE		
INLET		
MANHOLE	MH	MH
POWERPOLE		
SIGN		
STREET LIGHT		
TREE		
DETECTABLE WARNINGS		

XREFs: [CDMS_2234] Images: []
Last saved by: CLAYTONJD Time: 1/24/2025 7:18:55 AM
pw:\\cdmsmith-az02-pw.bentley.com:pw_pi1\1667\265896\04 Design Services NM_30%\01 General\10 BIM/CADD\G002NFLG.dwg
©2025 CDM SMITH ALL RIGHTS RESERVED.
REUSE OF DOCUMENTS: THESE DOCUMENTS AND DESIGNS PROVIDED BY PROFESSIONAL SERVICE, INCORPORATED HEREIN, ARE THE PROPERTY OF CDM SMITH AND ARE NOT TO BE USED, IN WHOLE OR PART, FOR ANY OTHER PROJECT WITHOUT THE WRITTEN AUTHORIZATION OF CDM SMITH.

REV. NO.	DATE	DRWN	CHKD	REMARKS

DESIGNED BY: A. SHABAN
DRAWN BY: D. CLAYTON
SHEET CHK'D BY: A. SHABAN
CROSS CHK'D BY: D. TANZI
APPROVED BY: X
DATE: JANUARY 2025

CDM Smith
125 South Wacker Drive, Suite 2510
Chicago, IL 60606
Tel: (312) 346-5000
IL COA No. 184-001297

CITY OF EVANSTON
2025 PRIORITIZED WATERMAIN AND LEAD WATER SERVICE LINE REPLACEMENT PROJECT

GENERAL LEGEND

PROJECT NO. 1667-265896
FILE NAME: G002NFLG.DWG

SHEET NO.
G-2

ISSUED FOR BID

GENERAL NOTES:

1. ALL DIMENSIONS SHOWN ON THE DRAWINGS ARE TO THE FACE OF CURB, UNLESS MARKED DIFFERENTLY.
2. ANY REFERENCE TO "STANDARDS" THROUGHOUT THE DRAWINGS, SPECIFICATIONS OR SPECIAL PROVISIONS SHALL BE INTERPRETED TO THE LATEST STANDARDS OF THE ILLINOIS DEPARTMENT OF TRANSPORTATION.
3. ALL FULL DEPTH SAW-CUTTING OF EXISTING PAVEMENT, CURB, SIDEWALKS AND SURFACES WHEN REQUIRED FOR REMOVAL OR CONSTRUCTION OR AS DIRECTED BY THE ENGINEER WILL NOT BE PAID FOR SEPARATELY BUT SHALL BE CONSIDERED INCIDENTAL TO THE VARIOUS PAY ITEMS.
4. THE CONTRACTOR SHALL BE RESPONSIBLE FOR CONTACTING THE OWNERS OF ALL EXISTING UTILITIES SO THAT THE UTILITIES AND THEIR APPURTENANCES MAY BE LOCATED AND ADJUSTED OR MOVED, IF NECESSARY, PRIOR TO THE START OF CONSTRUCTION. ALL EXISTING UTILITIES SHALL BE PROTECTED, SUPPORTED AND MAINTAINED IN SERVICE AND RESTORED TO THE CONDITION IN WHICH THEY WERE FOUND, OR BETTER, AT NO EXTRA COST TO THE CONTRACT.
5. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE PROTECTION OF ALL UNDERGROUND UTILITIES EVEN THOUGH THEY MAY NOT BE SHOWN ON THE PLANS. ANY UTILITY THAT IS DAMAGED DURING CONSTRUCTION SHALL BE REPAIRED OR REPLACED BY THE CONTRACTOR AT HIS OWN EXPENSE.
6. ALL ROAD SIGNS, STREET SIGNS AND TRAFFIC SIGNS WHICH NEED TO BE RELOCATED OR MOVED DUE TO CONSTRUCTION SHALL BE TAKEN DOWN AND STORED BY THE CONTRACTOR AT HIS OWN EXPENSE, EXCEPT THOSE WHICH THE ENGINEER DEEMS NECESSARY FOR PROPER TRAFFIC CONTROL. AFTER COMPLETION OF THE WORK, THE CONTRACTOR SHALL, AT HIS OWN EXPENSE AND AT THE DIRECTION OF THE ENGINEER, RESET ALL SAID SIGNS AT THE DESIGNATED LOCATION.
7. ALL DRIVEWAYS SHALL BE CONSTRUCTED IN ACCORDANCE WITH THE DRAWINGS. DRIVEWAYS WILL BE PAID FOR AT THE CONTRACT UNIT PRICE PER SQUARE YARD FOR "P.C.C. DRIVEWAY PAVEMENT" OR "INCIDENTAL HOT-MIX ASPHALT SURFACING" PER TON AND "AGGREGATE BASE COURSE, TYPE B-6 INCH" PER TON ACCORDINGLY.
8. ALL NEW TYPE B CURB AND TYPE B6.12 COMBINATION CONCRETE CURB AND GUTTER ADJACENT TO NEW OR EXISTING P.C.C. PAVEMENT OR BASE COURSE SHALL BE PLACED WITH THE BARS IN CONFORMANCE WITH DETAILS SHOWN IN THE DETAIL SHEET AND/OR SPECIFICATIONS. THE COST OF FURNISHING, DRILLING, SETTING THE BARS, MORTARING, ETC. SHALL BE INCLUDED IN THE UNIT PRICE BID PER FOOT FOR THE TYPE OF CURB INDICATED ON THE DRAWINGS.
9. THE CONTRACTOR WILL BE REQUIRED TO CONSTRUCT ALL NEW FRAMES AND LIDS IN CONFORMANCE WITH DETAILS OF STANDARD FRAMES AND LIDS SHOWN IN THE DRAWINGS.
10. PROTECTIVE COAT SHALL BE APPLIED TO ALL CONCRETE CURB, CONCRETE CURB AND GUTTER, CONCRETE SIDEWALK, CONCRETE DRIVEWAYS, PER STANDARD SPECIFICATIONS. THIS WORK WILL NOT BE PAID SEPARATELY BUT CONSIDERED INCIDENTAL TO THE CONTRACT.
11. HOT-MIX ASPHALT SURFACE REMOVAL SHALL BE GROUND AS SHOWN IN PLAN AND/OR AS DIRECTED BY ENGINEER. BUT NOT LESS THAN 1 IN DEPTH AND WILL BE PAID FOR "HOT-MIX ASPHALT SURFACE REMOVAL (VARIABLE DEPTH)" PER SQUARE YARD. ALL EQUIPMENT FOR SURFACE REMOVAL MUST ONLY OPERATE ON THE STREET. CONTRACTOR SHALL NOT OPERATE ANY EQUIPMENT ON TOP OF THE CURB. ALL NECESSARY MANUAL CHIPPINGS SHALL BE CONSIDERED INCIDENTAL TO THE "HOT-MIX ASPHALT SURFACE REMOVAL" PAY ITEM.
12. THE CONTRACTOR SHALL NOT CLOSE THROUGH TRAFFIC TO MORE THAN ONE BLOCK AND ONE INTERSECTION AT ANY GIVEN TIME.
13. THE CONTRACTOR IS RESPONSIBLE FOR ALL CONTRACTION TRAFFIC CONTROL AND LANE CLOSURE. AT ANY TIME DURING PROJECT THAT A DETOUR IS REQUIRED, CONTRACTOR MUST SUBMIT DETOUR PLANS FOR APPROVAL BY THE CITY. THIS WORK WILL NOT BE PAID FOR SEPARATELY BUT SHALL BE INCLUDED IN THE UNIT PRICE OF TRAFFIC CONTROL AND PROTECTION, PAY ITEM.
14. ALL UNBALLASTED TYPE I AND TYPE II BARRICADES SHALL HAVE TWO SANDBAGS ON THE BOTTOM RAIL.
15. ALL EXISTING FIRE HYDRANTS, FRAMES, GRATES, AND LIDS THAT ARE BEING REPLACED REMAIN THE PROPERTY OF THE CITY OF EVANSTON. THE CONTRACTOR SHALL DELIVER ALL REPLACED FIRE HYDRANTS, FRAMES, GRATES AND LIDS TO THE PUBLIC WORKS FACILITY. SUCH DELIVERY IS INCIDENTAL TO THE CONTRACT.
16. ALL SEWER PIPE SHALL HAVE A "HOMING MARK" ON THE SPIGOT, PROVIDED BY THE MANUFACTURER. ALL LIFTING HOLES SHALL BE FILLED WITH CONCRETE PLUGS AND SEALED WITH MASTIC OR MORTAR.
17. ALL MANHOLES SHALL BE PRECAST FOUR FEET DIAMETER MINIMUM OR AS INDICATED ON THE DRAWINGS, I.D.O.T. TYPE A STANDARD MODIFIED TO HAVE AN INTEGRAL MONOLITHIC BASE WITH PREFORMED OPENINGS AND A FLEXIBLE SLEEVE IN CONFORMANCE WITH A.S.T.M. C-923 TO ACCOMMODATE THE CONNECTION OF SEWERS IN SIZES FROM 10" THROUGH 27". NO STEPS ARE REQUIRED IN ANY MANHOLES.
18. DUCTILE IRON PIPE SHALL BE USED WHEN SEWERS CROSS WATER LINE WITH LESS THAN 18" VERTICAL CLEARANCE AND ALL OTHER LOCATIONS AS INDICATED ON THE CONTRACT DRAWINGS OR AT THE DIRECTION OF THE ENGINEER.
19. BEDDING SHALL BE REQUIRED FOR ALL SEWER CONSTRUCTION AND SHALL BE OF A MINIMUM THICKNESS EQUAL TO 1/4 OF THE OUTSIDE DIAMETER OF THE SEWER PIPE BUT SHALL NOT BE LESS THAN FOUR INCHES (4"). ALL BEDDING MATERIALS SHALL EXTEND UP THE HAUNCHES OF THE PIPE TO THE SPRING LINE AND BE PLACED IN CONFORMANCE WITH A.S.T.M. C12-82. THE MATERIAL SHALL CONFORM TO THE REQUIREMENTS OF ARTICLE 550 OF THE "STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION" OF THE STATE OF ILLINOIS OR A.S.T.M. C-35. THE GRADATION SHALL CONFORM TO THE GRADATION CA-11 OF THE ILLINOIS STANDARD SPECIFICATIONS. THIS WORK SHALL BE PAID SEPARATELY FOR "POROUS GRANULAR BACKFILL", PER TON.
20. THE TRENCH BACKFILL SHALL BE PLACED IN LAYERS NOT MORE THAN 12 INCHES (COMPACTED) IN THICKNESS TO THE EXISTING PLACEMENT SURFACE. REMOVAL AND DISPOSAL OF SURPLUS TRENCH BACKFILL AND PREPARATION OF BASE FOR PERMANENT PAVEMENT RESTORATION WILL NOT BE PAID FOR SEPARATELY BUT SHALL BE CONSIDERED INCIDENTAL TO THE CONTRACT.
21. SHOP DRAWINGS OF ALL CATCH BASINS, MANHOLES, FRAMES, COVERS, TEE SADDLES, FLEXIBLE SLEEVES AND COUPLINGS SHALL BE APPROVED BY THE ENGINEER, PRIOR TO DELIVERY TO THE JOB SITE.
22. ALL ITEMS WITHIN THE EXISTING STREETSCAPE WHICH ARE DAMAGED OR DISTURBED AS A RESULT OF THIS WORK SHALL BE REPLACED TO EQUAL OR BETTER QUALITY AT THE CONTRACTOR'S EXPENSE.
23. THE CONTRACTOR WILL BE REQUIRED TO GIVE ADEQUATE NOTIFICATION TO THE CITY OF EVANSTON METER SHOP PRIOR TO THE RECONNECTION OF ANY BROKEN HOUSE SERVICES. PHONE NUMBER (847)866-2942.
24. ALL ABANDONED SEWERS SHALL BE PLUGGED WITH TWO FOOT (2') LONG NON-SHRINK CONCRETE OR MORTAR PLUGS AT BOTH ENDS. THIS WORK IS CONSIDERED INCIDENTAL TO PROJECT.
25. ALL MATERIALS, EQUIPMENTS AND LABOR NECESSARY TO CONSTRUCT THE BUTT JOINTS AS SPECIFIED IN THE DRAWINGS AND IN THE SPECIFICATIONS WILL NOT BE PAID FOR SEPARATELY. BUTT JOINTS CONSTRUCTION SHALL BE CONSIDERED INCIDENTAL TO THE PROJECT.
26. THE CONTRACTOR SHALL BE AWARE THAT THERE ARE EXISTING LAWN SPRINKLER SYSTEM LOCATED IN THE PARKWAYS. THE CONTRACTOR WILL BE REQUIRED TO PROTECT THE EXISTING LAWN SPRINKLER SYSTEM. ANY DAMAGED DONE TO THE EXISTING LAWN SPRINKLER SYSTEM SHALL BE REPAIRED OR REPLACED TO THE SATISFACTION OF PROPERTY OWNER AND ENGINEER. THIS WORK WILL NOT BE PAID FOR SEPARATELY.
27. THE CONTRACTOR SHALL NOTIFY AS NECESSARY, ALL TESTING AGENCIES SUFFICIENTLY IN ADVANCE OF CONSTRUCTION. FAILURE OF CONTRACTOR TO ALLOW PROPER NOTIFICATION TIME WHICH RESULTS IN TESTING COMPANIES BEING UNABLE TO VISIT THE SITE AND PERFORM TESTING WILL CAUSE THE CONTRACTOR TO SUSPEND OPERATION TO BE TESTED UNTIL TESTING AGENCY CAN SCHEDULE TESTING OPERATIONS. COST OF SUSPENSION OF WORK TO BE BORNE BY THE CONTRACTOR.
28. BEFORE STARTING ANY EXCAVATION. THE CONTRACTOR SHALL CALL "JULIE" AT 1-800-892-0123 FOR FIELD LOCATIONS OF ALL BURIED UTILITIES IN ACCORDANCE WITH STATE LAW. ADVANCE NOTICE OF 48 HOURS REQUIRED.
29. WHENEVER DURING CONSTRUCTION OPERATIONS ANY LOOSE MATERIAL IS DEPOSITED IN THE FLOW LINE OF DRAINAGE STRUCTURES SUCH THAT THE NATURAL FLOW OF WATER IS OBSTRUCTED. IT SHALL BE REMOVED AT THE CLOSE OF EACH WORKING DAY. AT THE CONCLUSION OF CONSTRUCTION OPERATIONS, ALL UTILITY STRUCTURES SHALL BE CLEANED AND FREE FROM DIRT AND DEBRIS. THE WORK SPECIFIED ABOVE WILL NOT BE PAID FOR SEPARATELY BUT SHALL BE INCIDENTAL TO THE CONTRACT.
30. HOT MIX ASPHALT OR P.C. CONCRETE PAVEMENT REMOVED DUE TO STORM SEWER OR WATER MAIN CROSSINGS SHALL NOT BE LEFT IN GRAVEL OVERNIGHT IF OPEN TO TRAFFIC. THIS INCLUDE THE MAIN ROADS, SIDE STREETS, PRIVATE ENTRANCES, COMMERCIAL ENTRANCES, SIDEWALKS, AND PARKING AREAS. COLD MIX MAY BE REQUIRED BY THE ENGINEER TO BE USED IN LIEU OF IMMEDIATE PAVEMENT REPLACEMENT.
31. ALL SUITABLE EXCESS MATERIAL FROM SEWER TRENCHES AND NECESSARY EXCAVATIONS MAY BE USED IN THE CONSTRUCTION OF THE IMPROVEMENT, PLACEMENT AND COMPACTION OF THIS MATERIAL SHALL BE CONSIDERED INCIDENTAL TO VARIOUS PAY ITEMS, AND NO ADDITIONAL COMPENSATIONS WILL BE ALLOWED.
32. THE STORAGE OF EQUIPMENT AND/OR MATERIAL WITHIN THE PARKWAY SHALL REQUIRE PRIOR APPROVAL OF THE ENGINEER.
33. THE CONTRACTOR MUST OBTAIN A FIRE HYDRANT PERMIT FROM THE CITY IN ORDER TO OBTAIN ACCESS TO CITY WATER. FOR INFORMATION CALL 311.
34. ALL ABANDONED WATER MAIN SHALL BE PLUGGED WITH MECHANICAL JOINT CAP AT BOTH ENDS AND ALL NON-PRESSURE CONNECTIONS TO EXISTING WATER MAINS WILL NOT BE PAID FOR SEPARATELY BUT INCIDENTAL TO OTHER WATER MAIN ITEMS.
35. ALL SEWER STRUCTURE TO BE CORED SHALL BE FITTED WITH REQUIRED RUBBER BOOT CONFORMING TO A.S.T.M. C-923. THIS WORK WILL NOT BE PAID FOR SEPARATELY BUT SHALL BE CONSIDERED INCIDENTAL TO THE PROJECT.
36. THE MAX. PAY WIDTH FOR PAVEMENT REMOVAL AND REPLACEMENT SHALL BE THE ALLOW. MAX. TRENCH PAY WIDTH ESTABLISHED BY I.D.O.T. PLUS 1.0' WIDE ON BOTH SIDES OF THE TRENCH UNLESS INDICATED ON THE PLAN SHEETS.
37. EXISTING PAVEMENT MARKINGS DISTURBED BY CONSTRUCTION OPERATIONS SHALL BE RESTORED ACCORDING TO I.D.O.T. HIGHWAY STANDARD 780001-05, DISTRICT ONE DETAIL TC-13, AND APPLICABLE SECTIONS OF THE STANDARD SPECIFICATIONS TO THE LIMITS AS DIRECTED BY THE ENGINEER.
38. PRIVATE UTILITY INFORMATION NOT DISPLAYED ON DRAWINGS CAN BE PROVIDED TO THE CONTRACTOR UPON REQUEST.
39. NORMAL WORK HOURS SHALL BE BETWEEN 7:00 AM AND 5:00 PM, MONDAY-FRIDAY, UNLESS OTHERWISE DIRECTED BY ENGINEER. WRITTEN REQUESTS TO WORK OUTSIDE THESE HOURS AND ON CITY-RECOGNIZED HOLIDAYS MUST BE SUBMITTED 24 HOURS IN ADVANCE. THIS REQUIREMENT EXCLUDES PRIVATE WATER SERVICE WORK WHICH MAY TAKE PLACE OUTSIDE OF NORMAL WORK HOURS INCLUDING SATURDAYS IN ACCORDANCE WITH THE EVANSTON CITY CODE. ONLY WORK BETWEEN THE PARKWAY AND PRIVATE RESIDENCE MAY TAKE PLACE OUTSIDE OF NORMAL WORKING HOURS AND AT NO TIME WILL WORK WITHIN THE ROADWAY BE PERMITTED OUTSIDE OF NORMAL WORKING HOURS WITH WRITTEN APPROVAL FROM THE ENGINEER.
40. EXISTING UNDERGROUND FACILITIES SHOWN ON THE DRAWINGS ARE BASED ON INFORMATION PROVIDED BY OWNERS OF SUCH FACILITIES OR PREVIOUS FIELD LOCATIONS AND ARE NOT NECESSARILY COMPLETE OR ACCURATE.
41. CONTRACTOR TO ESTABLISH DETOUR ROUTES AND SCHEDULE FOR DETOURS, AND OBTAIN APPROVAL FROM THE CITY OF EVANSTON PRIOR TO CLOSING ANY STREET.
42. PROVIDE TEMPORARY EROSION AND SEDIMENTATION CONTROL DEVICES AS SHOWN ON THE DRAWINGS, AND AS NEEDED TO CONTAIN SEDIMENT FROM THE CONSTRUCTION ACTIVITIES, PRIOR TO CONSTRUCTION. MAINTAIN EROSION AND SEDIMENTATION CONTROLS UNTIL REPLACEMENT VEGETATION OR PAVEMENT IS IN PLACE. ALL TEMPORARY EROSION AND SEDIMENTATION CONTROL MEASURES SHALL BE REMOVED WITHIN 30 DAYS AFTER FINAL SITE STABILIZATION IS ACHIEVED OR AFTER THE TEMPORARY MEASURES ARE NO LONGER NEEDED.
43. IF EXCAVATION DEWATERING IS REQUIRED, PROTECT ADJOINING PROPERTIES AND DISCHARGE LOCATIONS FROM EROSION. USE SILT BAGS ON DISCHARGE HOSES FOR SEDIMENTATION CONTROL.
44. PROTECT ALL PAVED AREAS FROM DAMAGE WHERE CRAWLER-TRACK MACHINERY IS USED.
45. WHERE NEW PAVEMENT, SIDEWALKS, OR DRIVEWAYS ABUT EXISTING PAVEMENT TO REMAIN, SAW CUT THE EXISTING PAVEMENT TO PROVIDE A NEAT VERTICAL FACE BETWEEN THE NEW AND EXISTING SURFACES. THE COST OF SAW CUTTING WORK SHALL BE INCIDENTAL TO THE CONTRACT.
46. DO NOT STORE MATERIALS, STRUCTURES, OR MACHINES WHERE THEY WILL OBSTRUCT STREET OR DRIVEWAY SIGHTLINES.
47. WATER MAIN PIPING USED TO RE-CONNECT THE REHABILITATED WATER MAIN TO THE DISTRIBUTION SYSTEM SHALL BE DUCTILE IRON PIPE COMPLYING WITH A.N.S.I. A21.51, THICKNESS CLASS 52, WITH JOINTS COMPLYING WITH A.N.S.I. A21.11 AND WITH CEMENT LINING COMPLYING WITH A.N.S.I./A.W.W.A. C104/A21.4, STANDARD THICKNESS.
48. THE CONTRACTOR SHALL BE RESPONSIBLE FOR CONTACTING THE OWNERS OF ALL EXISTING UTILITIES SO THAT THE UTILITIES AND THEIR APPURTENANCES MAY BE LOCATED AND ADJUSTED FOR MOVED, IF NECESSARY, PRIOR TO THE START OF CONSTRUCTION. ALL EXISTING UTILITIES SHALL BE PROTECTED, SUPPORTED, AND MAINTAINED IN SERVICE AND REQUIRED TO THE CONDITION IN WHICH THEY WERE FOUND, OR BETTER, AT NO EXTRA COST TO THE CONTRACT.
49. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE PROTECTION OF ALL UNDERGROUND UTILITIES EVEN THOUGH THEY MAY NOT BE SHOWN ON THE PLANS. ANY UTILITY THAT IS DAMAGED DURING CONSTRUCTION SHALL BE REPAIRED OR REPLACED BY THE CONTRACTOR AT THEIR EXPENSE.
50. LEAD SERVICES LINES SHALL BE REPLACED IN FULL, IN ACCORDANCE WITH STATE REQUIREMENTS, UNLESS THE HOMEOWNER DOES NOT GRANT THE OWNER AND CONTRACTOR ACCESS TO THEIR PROPERTY, SEE DETAIL SHEETS CZ-4 AND CZ-5 FOR THE LIMITS OF A FULL AND PARTIAL REPLACEMENT.
51. IF ANY SOFT YIELDING MATERIALS ARE DETECTED AFTER EXCAVATION TO THE PROPOSED SUBGRADE, THE CONTRACTOR WILL, AT THE DIRECTION OF THE ENGINEER, REMOVE THE MATERIAL AND REPLACE IT WITH SUB-BASE GRANULAR MATERIAL, TYPE B. THIS WORK WILL BE PAID FOR AT THE CONTRACT UNIT PRICE PER CUBIC YARD FOR "EARTH EXCAVATION" AND PER CUBIC YARD FOR "SUB-BASE GRANULAR MATERIAL, TYPE B".

TRAFFIC CONTROL NOTES:

1. TRAFFIC CONTROL SHALL BE IN ACCORDANCE WITH APPLICABLE SECTIONS OF THE I.D.O.T. STANDARD SPECIFICATIONS, APPLICABLE GUIDELINES FROM THE ILLINOIS MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES FOR STREET AND HIGHWAYS, ANY SPECIAL PROVISION, ANY SUPPLEMENTAL STANDARD SPECIFICATIONS, AND ANY SPECIAL DETAILS AND HIGHWAY STANDARDS CONTAINED IN THE CONTRACT DOCUMENTS.
2. THE CONTRACTOR WILL PROVIDE DETAILED TRAFFIC CONTROL PLANS FOR EACH WORK LOCATIONS, INCLUDING ALL SIGNING AND BARRICADING FOR LANE/ STREET/ SIDEWALK CLOSURE AND DETOUR ROUTES. SUBMIT TRAFFIC CONTROL PLANS TO THE ENGINEER FOR APPROVAL PRIOR TO BEGINNING WORK.
3. THE CONTRACTOR WILL FURNISH, INSTALL, MAINTAIN, RELOCATE, AND REMOVE ALL TRAFFIC CONES, SIGNING, BARRICADES, WARNING LIGHTS, AND OTHER DEVICES THAT ARE USED TO CONTROL PEDESTRIANS AND VEHICULAR TRAFFIC. TRAFFIC CONTROL REQUIREMENTS PRESENTED IN THE CONTRACT DOCUMENTS REPRESENT THE MINIMUM LEVEL OF CONTROL WHICH SHALL BE PROVIDED. CONTRACTOR IS SOLELY RESPONSIBLE FOR IMPLEMENTING ALL OTHER TRAFFIC CONTROL MEASURES REQUIRED TO FULLY PROTECT PEDESTRIANS, VEHICLES, AND HIS WORK FORCE.
4. THE CONTRACTOR WILL PROVIDE AND INSTALL ADDITIONAL SIGNING AND/ OR BARRICADES DEEMED NECESSARY BY THE ENGINEER AT NO EXTRA COST TO THE CONTRACT.
5. THE CONTRACTOR WILL VERIFY THAT ALL BARRICADES, WARNING SIGNS, LIGHTS, AND OTHER DEVICES INSTALLED FOR TRAFFIC CONTROL ARE IN PLACE AND OPERATIONAL TWENTY-FOUR (24) HOURS EACH CALENDAR DAY FROM THE START OF ON-SITE WORK TO FINAL COMPLETION. IN PARTICULAR, VERIFY THAT WARNING LIGHTS ARE FUNCTIONING DURING NIGHT-TIME HOURS. CHECK WARNING LIGHTS EACH CALENDAR DAY TO VERIFY FUNCTIONALITY, REPLACE BATTERIES/BULBS, AND/ OR REPLACE LIGHT ASSEMBLIES AS NECESSARY.
6. ALL "ROAD CONSTRUCTION AHEAD" SIGNS AT SIDE ROADS SHALL BE ACCOMPANIED BY THE APPROPRIATE "DIRECTIONAL ARROW" SIGN INDICATING THE LOCATIONS OF THE CONSTRUCTION ZONE.
7. DRUM TYPE, SAWHORSE, AND TYPE 3 BARRICADES SHALL BE EQUIPPED WITH WORKING FLASHING LIGHTS AND REFLECTORIZED FLUORESCENT ORANGE AND WHITE SHEETING.
8. ARROW BOARDS SHALL BE SILENT TYPE POWERED BY ELECTRICITY OF BATTERY PACKS. NO ENGINE/ GENERATOR-POWERED ARROW BOARDS ARE PERMITTED.
9. CHANGEABLE MESSAGE BOARDS MAY BE REQUIRED AT ONE OR MORE OF THE LOCATIONS IN ADVANCE OF THE WORK BEGINNING. ENGINEER TO DETERMINE PLACEMENT AND WORDING OF THE MESSAGE BOARDS.
10. EXISTING PLACEMENT MARKING THAT CONFLICT WITH THE TRAFFIC CONTROL SETUP AT EACH LOCATION MAY BE REMOVED AT THE DIRECTION OF THE ENGINEER.
11. THE CONTRACTOR WILL MAINTAIN ACCESS TO ALL PROPERTIES AT ALL TIMES DURING CONSTRUCTION EXCEPT FOR PERIODS OF SHORT DURATION WHEN APPROVED BY THE ENGINEER. SCHOOL BUSES AND EMERGENCY VEHICLES SHALL HAVE ACCESS TO ALL PREMISES AT ALL TIMES.
12. THE CONTRACTOR WILL PLACE TEMPORARY "NO PARKING" SIGNS, IF NEEDED, A MINIMUM OF TWO (2) WORKING DAYS PRIOR TO WORK BEGINNING. ALL "NO PARKING" SIGNS MUST HAVE THE APPROVAL AND BE AFFIXED AND DISPLAYED TO THE SATISFACTION OF THE ENGINEER. POSTING SIGNS ON TREES SHALL BE DONE IN A MANNER TO FACILITATE REMOVAL WITHOUT DAMAGING TREES. STAPLING OR NAILING SIGNS TO TREES IS PROHIBITED. KEEP A LOG OF ALL POSTED "NO PARKING" SIGNS AND SUBMIT TO THE ENGINEER PROMPTLY UPON REQUEST.
13. THE CONTRACTOR WILL CONTACT THE CITY'S PARKING SERVICES DEPARTMENT AT 847-448-4311 TWO (2) WORKING DAYS PRIOR TO WORK BEGINNING TO COORDINATE HOODING OF PARKING METERS. NO FEES WILL BE CHARGED TO CONTRACTOR FOR NECESSARY AND CITY AUTHORIZED HOODING OF PARKING METERS.
14. THE CONTRACTOR WILL AT THE PRE-CONSTRUCTION MEETING, FURNISH THE NAME AND A 24-HOUR TELEPHONE NUMBER TO THE INDIVIDUAL IN THE CONTRACTOR'S DIRECT EMPLOY WHO IS RESPONSIBLE FOR INSTALLATION OF MAINTENANCE OF TRAFFIC CONTROL FOR THE PROJECT. THE ENGINEER MUST APPROVE USE OF A SUBCONTRACTOR TO PROVIDE THESE SERVICES. THIS SHALL NOT RELIEVE CONTRACTOR OF THE FOREGOING REQUIREMENT OF AN INDIVIDUAL IN HIS DIRECT EMPLOY TO OVERSEE THE IMPLEMENTATION AND MAINTENANCE OF TRAFFIC CONTROL.

REV. NO.	DATE	DRWN	CHKD	REMARKS

DESIGNED BY: A. SHABAN
DRAWN BY: D. CLAYTON
SHEET CHK'D BY: A. SHABAN
CROSS CHK'D BY: D. TANZI
APPROVED BY: X
DATE: JANUARY 2025

CDM Smith
125 South Wacker Drive, Suite 2510
Chicago, IL 60606
Tel: (312) 346-5000
IL COA No. 184-001297

CITY OF EVANSTON
2025 PRIORITIZED WATERMAIN AND LEAD WATER SERVICE LINE REPLACEMENT PROJECT

GENERAL NOTES

PROJECT NO. 1667-265896
FILE NAME: G003NFNT.DWG
SHEET NO. G-3

ISSUED FOR BID

XREFs: [CDMS_2234] Images: []
Last saved by: BRUCENB Time: 1/27/2025 10:34:34 AM
pw:\\cdmsmith-az02-pw.bentley.com:pw_pl1\1667\265896\04 Design Services NM_30%\01 General\10 BIM/CADD\G003NFNT.dwg
©2025 CDM SMITH ALL RIGHTS RESERVED.
REUSE OF DOCUMENTS: THESE DOCUMENTS AND DESIGNS PROVIDED BY PROFESSIONAL SERVICE, INCORPORATED HEREIN, ARE THE PROPERTY OF CDM SMITH AND ARE NOT TO BE USED, IN WHOLE OR PART, FOR ANY OTHER PROJECT WITHOUT THE WRITTEN AUTHORIZATION OF CDM SMITH.

QUANTITIES

ITEM NO.	ITEM	UNIT	TOTAL QUANTITY	HARTREY AVE (CHURCH ST-EMERSON ST)	BROWN AVENUE (FOSTER ST - SIMPSON ST)
1	TEMPORARY FENCE	FOOT	3880	2680	1200
2	TREE TRUNK PROTECTION	EACH	54	36	18
3	TREE ROOT PRUNING	FOOT	1680	1120	560
4	TREE PRUNING	EACH	54	36	18
5	REMOVAL AND DISPOSAL OF UNSUITABLE MATERIAL	CU YD	20	15	5
6	EARTH EXCAVATION	CU YD	10	5	5
7	TRENCH BACKFILL	CU YD	1222	1172	50
8	POROUS GRANULAR BACKFILL	TON	325	310	15
9	TOPSOIL FURNISH AND PLACE, SPECIAL	CU YD	175	105	70
10	SODDING, SALT TOLERANT	SQ YD	3619	2604	1015
11	EXPLORATION TRENCH, SPECIAL (UP TO 8 FEET DEEP)	EACH	5	3	2
12	EXPLORATION TRENCH BY TREE, SPECIAL (UP TO 2 FEET DEEP)	EACH	5	3	2
13	INLET FILTERS	EACH	27	14	13
14	SUBBASE GRANULAR MATERIAL, TYPE B	TON	37	31	6
15	BITUMINOUS MATERIALS (TACK COAT)	POUND	2025	1059	966
16	AGGREGATE (PRIME COAT)	TON	1	0.5	0.5
17	HOT-MIX ASPHALT SURFACE REMOVAL - BUTT JOINT	SQ YD	950	285	665
18	HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N50	TON	504	264	240
19	HMA SURFACE REMOVAL, VARIABLE DEPTH	SQ YD	4499	2353	2146
20	LEVELING BINDER (MACHINE METHOD), N50	TON	252	132	120
21	TEMPORARY RAMPS	SQ YD	950	285	665
22	AGGREGATE FOR TEMPORARY ACCESS	TON	390	305	85
23	TEMPORARY HOT MIX-ASPHALT	TON	200	100	100
24	TEMPORARY COLD-MIX ASPHALT	TON	40	20	20
25	PORTLAND CEMENT CONCRETE SIDEWALK, 5 INCH	SQ FT	4680	3360	1320
26	DETECTABLE WARNINGS	SQ FT	30	30	
27	COMBINATION CURB & GUTTER REMOVAL	FOOT	180	20	160
28	CONCRETE CURB REMOVAL	FOOT	440	440	
29	SIDEWALK REMOVAL	SQ FT	4680	3360	1320
30	P.C.C. DRIVEWAY PAVEMENT, 6-INCH	SQ YD	100	100	
31	DRIVEWAY PAVEMENT REMOVAL	SQ YD	147	147	
32	INCIDENTAL HOT MIX ASPHALT	TON	6	6	
33	FULL DEPTH PATCHES, SPECIAL 11"	SQ YD	1205	950	255
34	COMBINED SEWERS 8", SPECIAL (DIP CL 52)	FOOT	60	60	
35	WATER MAIN 10" (DIP CL 52), PUSH JOINT, EXTERNAL ZINC-BASED COATED	FOOT	1380	1340	40
36	WATER MAIN 8" (DIP CL 52), PUSH JOINT, EXTERNAL ZINC-BASED COATED	FOOT	20	20	
37	WATER MAIN 6" (DIP CL 52), PUSH JOINT, EXTERNAL ZINC-BASED COATED	FOOT	20		20
38	WATER VALVES, 10", COMPLETE	EACH	3	3	
39	WATER VALVES, 8", COMPLETE	EACH	1	1	
40	WATER SERVICE LINE, 2" DIA OR LESS, SHORT-PUBLIC SIDE REPLACEMENT	EACH	12	10	2
41	WATER SERVICE LINE, 2" DIA OR LESS, SHORT-FULL REPLACEMENT	EACH	21	17	4
42	WATER SERVICE LINE, 2" DIA OR LESS, LONG-PUBLIC SIDE REPLACEMENT	EACH	6	5	1
43	WATER SERVICE LINE, 2" DIA OR LESS, LONG-FULL REPLACEMENT	EACH	18	9	9
44	WATER SERVICE LINE, 4" DIA OR GREATER, VALVES, VALVE BOXES, COMPLETE	EACH	1	1	
45	ADJUSTING SANITARY SERVICES, 8-INCH DIA OR LESS	EACH	27	27	
46	FIRE HYDRANTS TO BE REMOVED	EACH	3	2	1
47	FIRE HYDRANTS WITH AUXILIARY VALVE, 6" DIWM PIPE, VALVE BOX AND TEE, COMPLETE	EACH	5	4	1
48	FLUOROCARBON RUBBER (VITON) GASKET, 12" (ALLOWANCE)	EACH	3		3
49	FLUOROCARBON RUBBER (VITON) GASKET, 10" (ALLOWANCE)	EACH	11		11
50	FLUOROCARBON RUBBER (VITON) GASKET, 8" (ALLOWANCE)	EACH	5	5	
51	FLUOROCARBON RUBBER (VITON) GASKET, 6" (ALLOWANCE)	EACH	7		7
52	DUCTILE IRON WATERMAIN FITTINGS (ALLOWANCE)	POUND	380	280	100
53	MANHOLES TO BE RECONSTRUCTED	EACH	1		1
54	VALVE VAULTS TO BE RECONSTRUCTED	EACH	1		1

QUANTITIES

ITEM NO.	ITEM	UNIT	TOTAL QUANTITY	HARTREY AVE (CHURCH ST-EMERSON ST)	BROWN AVENUE (FOSTER ST - SIMPSON ST)
55	VALVE VAULTS, TYPE A, 5'-DIAMETER, TYPE 1 FRAME, CLOSED LID	EACH	3	3	
56	VALVE BOX, COMPLETE	EACH	1	1	
57	FRAMES AND LIDS, CLOSED LID	EACH	2		2
58	FILLING VALVE BOXES	EACH	4	2	2
59	FILLING VALVE VAULTS	EACH	1	1	
60	COMB. CONC. CURB & GUTTER, TYPE B-6.12 (AEP MODIFIED)	FOOT	180	20	160
61	CONCRETE CURB, TYPE B (AEP MODIFIED)	FOOT	440	440	
62	NON-SPECIAL WASTE DISPOSAL	CU YD	180		180
63	SPECIAL WASTE PLANS AND REPORTS	LSUM	1		1
64	SOIL DISPOSAL ANALYSIS	EACH	2		2
65	MOBILIZATION	LSUM	2	1	1
66	TRAFFIC CONTROL AND PROTECTION	LSUM	2	1	1
67	CONSTRUCTION LAYOUT	LSUM	2	1	1
68	STREET SWEEPING	EACH	25	15	10
69	SPEED HUMPS COMPLETE	SQ YD	200	120	80
70	THERMOPLASTIC PAVEMENT MARKING LINE -12"	FOOT	350	210	140
71	THERMOPLASTIC PAVEMENT MARKING LINE -24"	FOOT	110	80	30
72	PRE AND POST CONSTRUCTION SUB-SURFACE VIDEOTAPING	FOOT	4000	2500	1500
73	LANDSCAPING ALLOWANCE	LSUM	1		
74	ELECTRICAL GROUNDING ALLOWANCE	LSUM	1		
75	LEAD-BASED PAINT AND ASBESTOS MATERIALS REMEDIATION ALLOWANCE	LSUM	1		
76	CORING INTERIOR WALLS	EACH	4	2	2
77	EXTERIOR COPPER PIPE	FOOT	240	170	70
78	INTERIOR COPPER PIPE	FOOT	330	240	90

BROWN AVE. WATER SERVICES

BROWN AVENUE ADDRESSES	MATERIAL (CITY)	MATERIAL (PRIVATE)	DIAMETER
1929 FOSTER ST	LEAD	LEAD	1
2001 FOSTER ST	LEAD	GALVANIZED	1
2012 BROWN AVE	LEAD	LEAD	1
2014 BROWN AVE	LEAD	COPPER	1
2015 BROWN AVE	LEAD	GALVANIZED	1
2016 BROWN AVE	LEAD	LEAD	1
2019 BROWN AVE	LEAD	LEAD	1
2020 BROWN AVE	COPPER	COPPER	1
2021 BROWN AVE	LEAD	LEAD	1
2022 BROWN AVE	LEAD	LEAD	1
2025 BROWN AVE	LEAD	COPPER	1
2027 BROWN AVE	LEAD	LEAD	1
2031 BROWN AVE	LEAD	GALVANIZED	1
2035 BROWN AVE	LEAD	LEAD	???
2037 BROWN AVE	LEAD	LEAD	1
2039 BROWN AVE	LEAD	LEAD	1

HARTREY AVE. WATER SERVICES

HARTREY AVENUE ADDRESSES	MATERIAL (CITY)	MATERIAL (PRIVATE)	DIAMETER
2129 CHURCH ST	LEAD	COPPER	1
2128 EMERSON ST	COPPER	COPPER	1
150 HARTREY AVE	CAST IRON	CAST IRON	4
1707 HARTREY AVE	COPPER	COPPER	1
1711 HARTREY AVE	LEAD	LEAD	1
1713 HARTREY AVE	LEAD	LEAD	1
1715 HARTREY AVE	LEAD	LEAD	1
1719 HARTREY AVE	LEAD	COPPER	1
1721 HARTREY AVE	COPPER	COPPER	1
1729 HARTREY AVE	LEAD	COPPER	1
1733 HARTREY AVE	COPPER	COPPER	1
1735 HARTREY AVE	LEAD	LEAD	1
1737 HARTREY AVE	LEAD	LEAD	1
1741 HARTREY AVE	LEAD	LEAD	1
1747 HARTREY AVE	LEAD	LEAD	1
1749 HARTREY AVE	LEAD	LEAD	1
1800 HARTREY AVE	COPPER	COPPER	1
1801 HARTREY AVE	LEAD	COPPER	1
1802 HARTREY AVE	COPPER	COPPER	3/4"
1803 HARTREY AVE	LEAD	LEAD	1
1804 HARTREY AVE	LEAD	LEAD	1
1807 HARTREY AVE	COPPER	COPPER	1
1808 HARTREY AVE	COPPER	LEAD	1
1810 HARTREY AVE	LEAD	LEAD	1
1811 HARTREY AVE	LEAD	LEAD	1
1812 HARTREY AVE	LEAD	COPPER	1
1814 HARTREY AVE	LEAD	LEAD	1
1815 HARTREY AVE	COPPER	COPPER	1
1818 HARTREY AVE	LEAD	LEAD	1
1819 HARTREY AVE	LEAD	LEAD	1
1821 HARTREY AVE	LEAD	LEAD	1
1823 HARTREY AVE	LEAD	LEAD	1
1824 HARTREY AVE	LEAD	LEAD	1
1825 HARTREY AVE	LEAD	LEAD	1
1828 HARTREY AVE	COPPER	LEAD	1
1829 HARTREY AVE	LEAD	LEAD	1
1830 HARTREY AVE	COPPER	LEAD	1
1832 HARTREY AVE	COPPER	COPPER	1
1833 HARTREY AVE	LEAD	LEAD	1
1834 HARTREY AVE	COPPER	COPPER	1
1836 HARTREY AVE	LEAD	LEAD	1
1837 HARTREY AVE	LEAD	LEAD	1

REV. NO.	DATE	DRWN	CHKD	REMARKS

DESIGNED BY: A. SHABAN
DRAWN BY: D. CLAYTON
SHEET CHK'D BY: A. SHABAN
CROSS CHK'D BY: D. TANZI
APPROVED BY: X
DATE: JANUARY 2025

CDM Smith
125 South Wacker Drive, Suite 2510
Chicago, IL 60606
Tel: (312) 346-5000
IL COA No. 184-001297

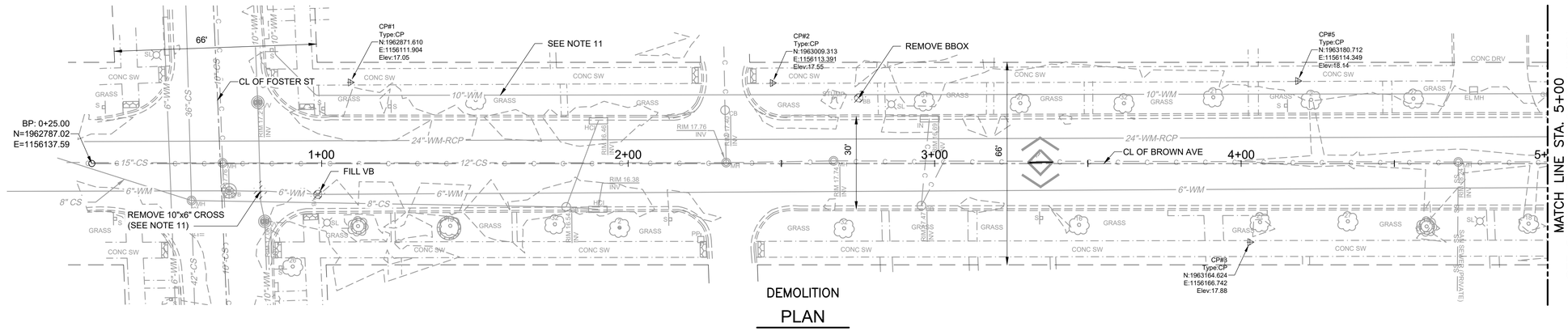
CITY OF EVANSTON
2025 PRIORITIZED WATERMAIN AND LEAD WATER SERVICE LINE REPLACEMENT PROJECT

PLANNED QUANTITIES

PROJECT NO. 1667-265896
FILE NAME: G004NFPQ.DWG
SHEET NO. G-4

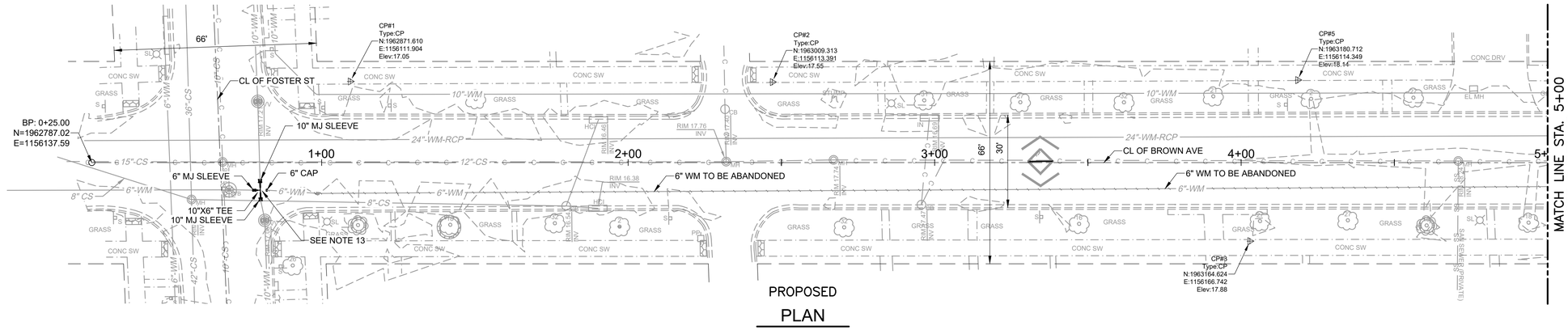
ISSUED FOR BID

XREFs: [CDMS_2234] Images: []
Last saved by: BRUCENB Time: 1/28/2025 11:20:17 AM
pw:\\cdmsmith-a202-pw.bentley.com:pw_p1\1667\265896\04 Design Services NM_30%\01 General\10 BIM/CADD\G004NFPQ.dwg
©2025 CDM SMITH ALL RIGHTS RESERVED.
REUSE OF DOCUMENTS: THESE DOCUMENTS AND DESIGNS PROVIDED BY PROFESSIONAL SERVICE, INCORPORATED HEREIN, ARE THE PROPERTY OF CDM SMITH AND ARE NOT TO BE USED, IN WHOLE OR PART, FOR ANY OTHER PROJECT WITHOUT THE WRITTEN AUTHORIZATION OF CDM SMITH.



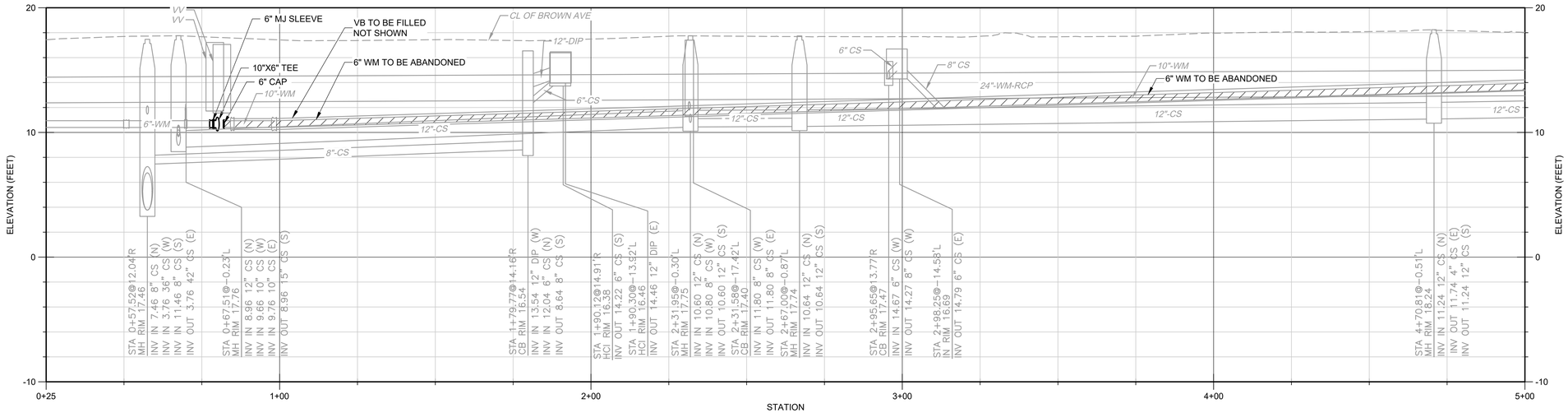
DEMOLITION

PLAN



PROPOSED

PLAN



PROFILE

N

1" = 20'

10 0 20

NOTES:

1. ALL MATERIALS SHALL BE "MADE IN AMERICA".
2. CITY REQUIRES THE USE OF STAINLESS STEEL BOLTS ON ALL FITTINGS OR MECHANICAL JOINT CONNECTIONS.
3. ALL SERVICES WILL BE TRACED BY WATER DIVISION PRIOR TO CONNECTION.
4. ALL NEW WATER SERVICES WILL BE 1.50" DIAMETER FOR EXISTING WATER SERVICES EQUAL OR LESS THAN 1.50" DIAMETER AND REQUIRED TO BE AUGURED. UNLESS OTHERWISE NOTED ON DRAWINGS.
5. A WATERTIGHT CONNECTION CONFORMING TO ASTM C-923 SHALL BE BETWEEN ALL PROPOSED SEWERS THAT WILL CONNECT TO EXISTING OR PROPOSED STRUCTURES. ALL PIPE CONNECTIONS TO EXISTING MANHOLES SHALL HAVE RUBBER BOOTS CONFORMING TO ASTM C-923.
6. SEE MWRD GENERAL NOTES #16 FOR PLUGGING (INCIDENTAL TO VARIOUS PAY ITEMS).
7. ALL NON-PRESSURE CONNECTIONS TO EXISTING WATER MAIN WILL NOT BE PAID FOR SEPARATELY BUT CONSIDERED INCIDENTAL TO WATER MAIN WORK ITEMS.
8. VITON GASKETS (FKM GASKETS) WILL ONLY BE USED WHEN CONTAMINATED SOILS ARE ENCOUNTERED.
9. EXPLORATORY TRENCH WILL BE FIELD DETERMINED AND APPROVED ONLY BY THE RESIDENT ENGINEER.
10. ALL LONG WATER SERVICES SHALL BE OPEN CUT ACROSS BROWN AVE. FROM THE WM TO THE CURB.
11. BROWN AVE PLANNED SEQUENCE:
    A. DEMO OF EXISTING TEE AT THE INTERSECTION OF BROWN AVENUE & SIMPSON STREET.
    B. INSTALL INITIAL CONNECTION AT THE INTERSECTION OF BROWN AVE & SIMPSON STREET.
    C. INSTALL NEW FIRE HYDRANT ON WEST SIDE OF BROWN AVE.
    D. INSTALL NEW WATER SERVICES & BBOX TO THE 10" WATERMAIN (WEST SIDE OF THE STREET) FROM THE 6" WATERMAIN (EAST SIDE OF THE STREET).
    E. ABANDON EXISTING WATER SERVICES AND EXISTING 6" WATERMAIN.
    F. REMOVE CROSS & INSTALL TEE AS FINAL CONNECTION AT THE INTERSECTION OF BROWN AVENUE & FOSTER STREET.
    G. FILL VALVE BOXES AS SHOWN ON DRAWINGS.
12. SEWER LATERALS SIZES AND MATERIALS ARE APPROXIMATIONS. CONTRACTOR WILL NEED TO FIELD VERIFY SEWER PIPE SIZES BEFORE ORDERING MATERIALS.
13. ALL PIPE SHOULD HAVE VITON GASKETS.

Fitting Table		
Fitting Name	STATION	OFFSET
10" MJ SLEEVE	0+79.90	6.00 R
10" MJ SLEEVE	0+80.09	12.00 R
6" MJ SLEEVE	0+78.00	9.00 R
10"X6" TEE	0+80.00	9.00 R
6" CAP	0+82.00	9.00 R

REV. NO.	DATE	DRWN	CHKD	REMARKS

DESIGNED BY: A. SHABAN
DRAWN BY: D. CLAYTON
SHEET CHK'D BY: A. SHABAN
CROSS CHK'D BY: D. TANZI
APPROVED BY: X
DATE: JANUARY 2025

CDM Smith
125 South Wacker Drive, Suite 2510
Chicago, IL 60606
Tel: (312) 346-5000
IL COA No. 184-001297

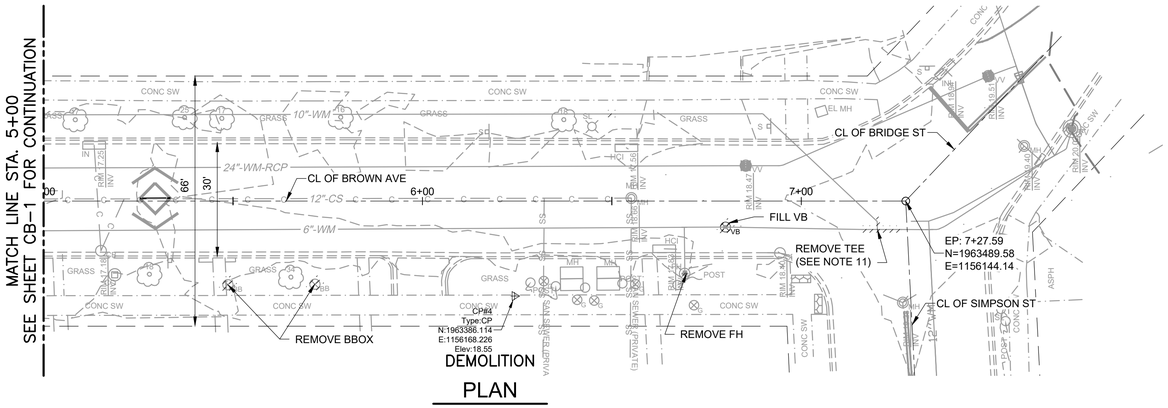
CITY OF EVANSTON
2025 PRIORITIZED WATERMAIN AND LEAD WATER SERVICE LINE REPLACEMENT PROJECT

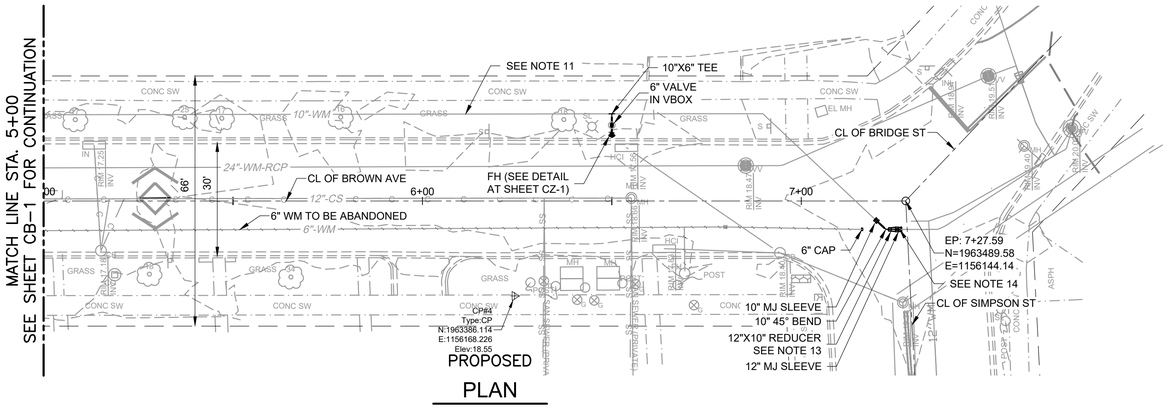
BROWN AVE.
PLANS AND PROFILE
STATION 0+25 TO 5+00

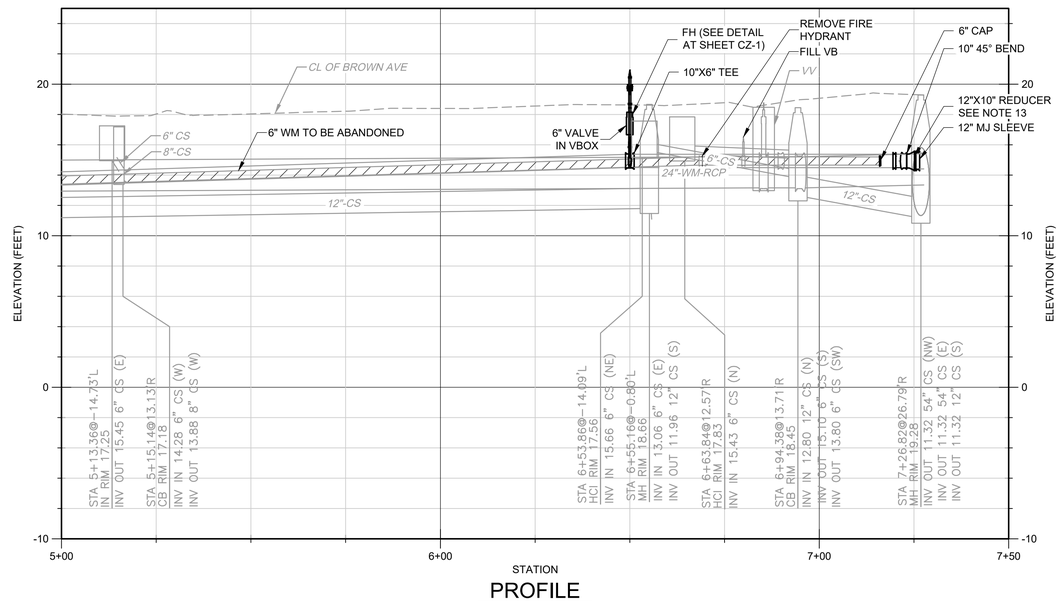
PROJECT NO. 1667-265896
FILE NAME: CB1YPPP
SHEET NO.
CB-1

ISSUED FOR BID

XREFs: [CEP100ST_2012_mr sid aerial_CDMS_2234] Images: []
Last saved by: BRUCENB Time: 1/28/2025 8:37:06 AM
pw:\\cdmsmith-az02-pw.bentley.com:pw_pl1\1667\265896\04 Design Services NM_30%\02 Civil\10 BIM/CADD\CB1YPPP.dwg
©2025 CDM SMITH ALL RIGHTS RESERVED.
REUSE OF DOCUMENTS: THESE DOCUMENTS AND DESIGNS PROVIDED BY PROFESSIONAL SERVICE, INCORPORATED HEREIN, ARE THE PROPERTY OF CDM SMITH AND ARE NOT TO BE USED, IN WHOLE OR PART, FOR ANY OTHER PROJECT WITHOUT THE WRITTEN AUTHORIZATION OF CDM SMITH.







PROFILE

N

1" = 20'
10 0 20

NOTES:

1. ALL MATERIALS SHALL BE "MADE IN AMERICA".
2. CITY REQUIRES THE USE OF STAINLESS STEEL BOLTS ON ALL FITTINGS OR MECHANICAL JOINT CONNECTIONS.
3. ALL SERVICES WILL BE TRACED BY WATER DIVISION PRIOR TO CONNECTION.
4. ALL NEW WATER SERVICES WILL BE 1.50" DIAMETER FOR EXISTING WATER SERVICES EQUAL OR LESS THAN 1.50" DIAMETER AND REQUIRED TO BE AUGURED. UNLESS OTHERWISE NOTED ON DRAWINGS.
5. A WATERTIGHT CONNECTION CONFORMING TO ASTM C-923 SHALL BE BETWEEN ALL PROPOSED SEWERS THAT WILL CONNECT TO EXISTING OR PROPOSED STRUCTURES. ALL PIPE CONNECTIONS TO EXISTING MANHOLES SHALL HAVE RUBBER BOOTS CONFORMING TO ASTM C-923.
6. SEE MWRD GENERAL NOTES #16 FOR PLUGGING (INCIDENTAL TO VARIOUS PAY ITEMS).
7. ALL NON-PRESSURE CONNECTIONS TO EXISTING WATER MAIN WILL NOT BE PAID FOR SEPARATELY BUT CONSIDERED INCIDENTAL TO WATER MAIN WORK ITEMS.
8. VITON GASKETS (FKM GASKETS) WILL ONLY BE USED WHEN CONTAMINATED SOILS ARE ENCOUNTERED.
9. EXPLORATORY TRENCH WILL BE FIELD DETERMINED AND APPROVED ONLY BY THE RESIDENT ENGINEER.
10. ALL LONG WATER SERVICES SHALL BE OPEN CUT ACROSS BROWN AVE. FROM THE WM TO THE CURB.
11. BROWN AVE PLANNED SEQUENCE:
    A. DEMO OF EXISTING TEE AT THE INTERSECTION OF BROWN AVENUE & SIMPSON STREET.
    B. INSTALL INITIAL CONNECTION AT THE INTERSECTION OF BROWN AVE & SIMPSON STREET.
    C. INSTALL NEW FIRE HYDRANT ON WEST SIDE OF BROWN AVE.
    D. INSTALL NEW WATER SERVICES & BBOX TO THE 10" WATERMAIN (WEST SIDE OF THE STREET) FROM THE 6" WATERMAIN (EAST SIDE OF THE STREET).
    E. ABANDON EXISTING WATER SERVICES AND EXISTING 6" WATERMAIN.
    F. REMOVE CROSS & INSTALL TEE AS FINAL CONNECTION AT THE INTERSECTION OF BROWN AVENUE & FOSTER STREET.
    G. FILL VALVE BOXES AS SHOWN ON DRAWINGS.
12. SEWER LATERALS SIZES AND MATERIALS ARE APPROXIMATIONS. CONTRACTOR WILL NEED TO FIELD VERIFY SEWER PIPE SIZES BEFORE ORDERING MATERIALS.
13. 12"X10" REFERS TO 12" TO 10" REDUCER.
14. ALL PIPE SHOULD HAVE VITON GASKETS.

Fitting Table		
Fitting Name	STATION	OFFSET
10" MJ SLEEVE	7+19.84	5.14 R
12"X10" REDUCER SEE NOTE 13	7+24.00	7.49 R
12" MJ SLEEVE	7+26.00	7.50 R
6" CAP	7+16.12	7.48 R
10" 45° BEND	7+22.33	7.50 R
10"X6" TEE	6+50.00	-23.00 L

VALVE TABLE		
VALVE NAME	STATION	OFFSET
6" VALVE	6+50.00	-20.00L
FH (SEE DETAIL AT SHEET CZ-1)	6+50.00	-18.00L

REV. NO.	DATE	DRWN	CHKD	REMARKS

DESIGNED BY: A. SHABAN
DRAWN BY: D. CLAYTON
SHEET CHK'D BY: A. SHABAN
CROSS CHK'D BY: D. TANZI
APPROVED BY: X
DATE: JANUARY 2025

CDM Smith
125 South Wacker Drive, Suite 2510
Chicago, IL 60606
Tel: (312) 346-5000
IL COA No. 184-001297

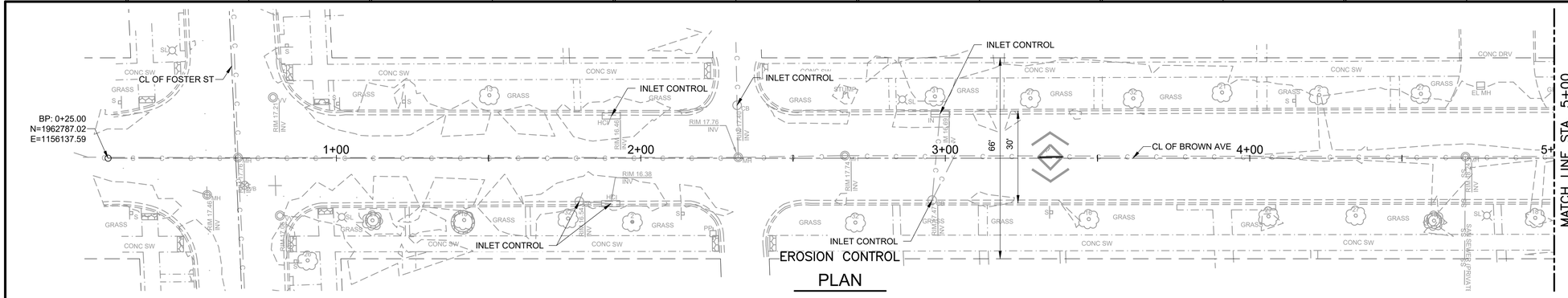
CITY OF EVANSTON
2025 PRIORITIZED WATERMAIN AND LEAD WATER SERVICE LINE REPLACEMENT PROJECT

BROWN AVE.
PLANS AND PROFILE
STATION 5+00 TO END

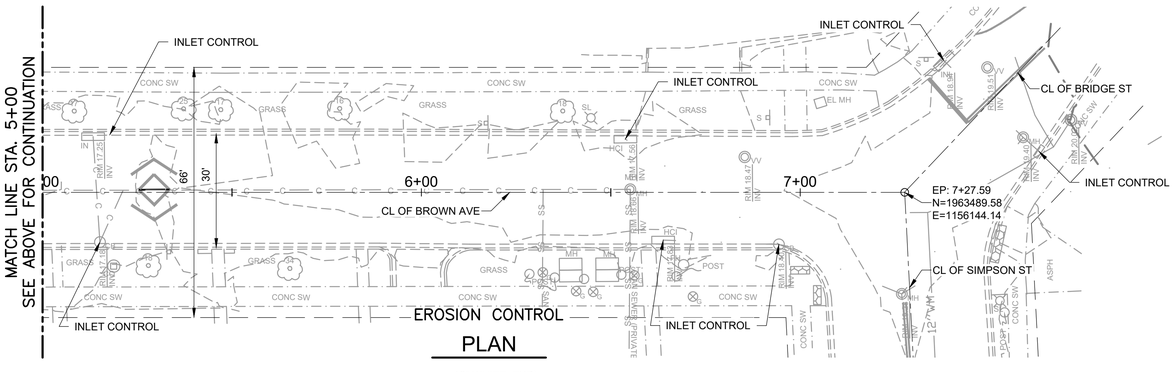
PROJECT NO. 1667-265896
FILE NAME: CB2YPPP
SHEET NO.
CB-2

ISSUED FOR BID

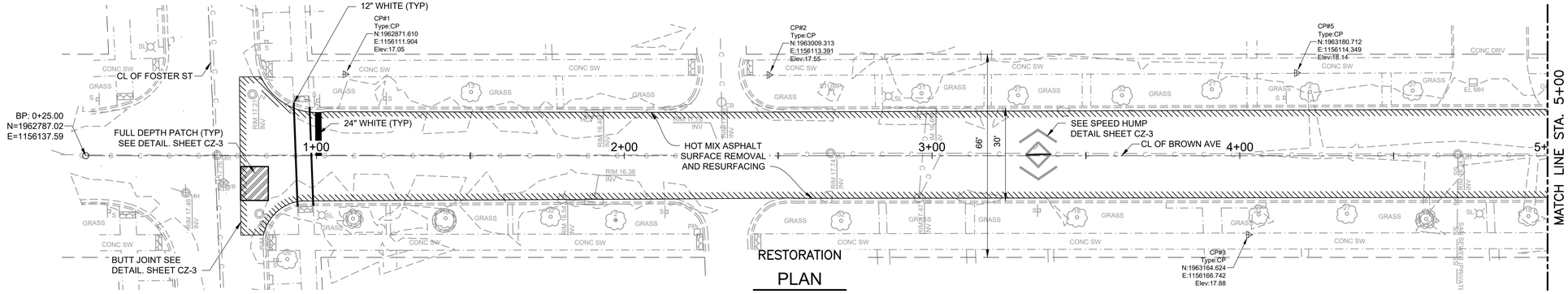
XREFs: [CEP100ST_2012_mr sid cericl CDMS_2234] Images: []
Last saved by: BRUCENB Time: 1/28/2025 8:48:20 AM
pw:\\cdmsmith-azo2-pw.bentley.com:pw_pl1\167\265896\04 Design Services NM_30%\02 Civil\10 BIM/CADD\CB2YPPP.dwg
©2025 CDM SMITH ALL RIGHTS RESERVED.
REUSE OF DOCUMENTS: THESE DOCUMENTS AND DESIGNS PROVIDED BY PROFESSIONAL SERVICE, INCORPORATED HEREIN, ARE THE PROPERTY OF CDM SMITH AND ARE NOT TO BE USED, IN WHOLE OR PART, FOR ANY OTHER PROJECT WITHOUT THE WRITTEN AUTHORIZATION OF CDM SMITH.



PLAN

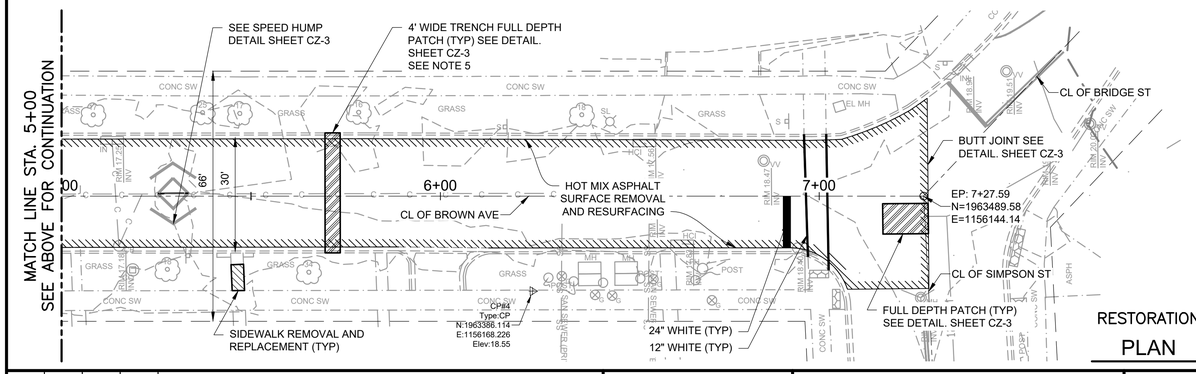


PLAN



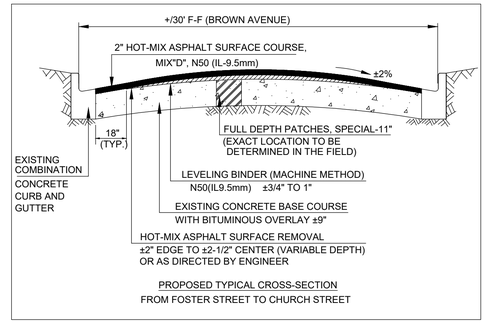
RESTORATION

PLAN

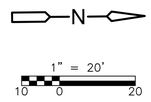


RESTORATION

PLAN



PROPOSED TYPICAL CROSS-SECTION
FROM FOSTER STREET TO CHURCH STREET



NOTES:

1. ALL REMOVAL AND REPLACEMENT OF "EXISTING COMBINATION CONCRETE CURB AND GUTTER TYPE B6.12" WILL BE FIELD DETERMINED.
2. THE WORK IN NOTE 1 WILL BE PAID FOR AT THE CONTRACT UNIT PRICE BID FOR "COMBINATION CONCRETE CURB AND GUTTER TYPE B6.12 REMOVAL".
3. THE CONTRACTOR SHALL BE RESPONSIBLE TO VISUALLY FIELD VERIFY ALL STRUCTURES CALLING FOR RECONSTRUCTION OR REPLACEMENT IN ORDER TO DETERMINE THE EXTENT AND MAGNITUDE OF THE WORK REQUIRED. FULL DEPTH SAW CUTTING WILL BE REQUIRED FOR ALL UTILITY WORK.
4. ADDITIONAL CONCRETE REMOVAL AND REPLACEMENT WORK WILL BE FIELD DETERMINED.
5. ALL LONG WATER SERVICES SHALL BE OPEN CUT ACROSS BROWN AVE. FROM THE WM TO THE CURB.
6. TEMPORARY FENCE INSTALLATION AND EARTH SAWCUTS OF TREE ROOTS (ROOT PRUNING) WILL BE FIELD DETERMINED, PRIOR TO ANY REMOVAL OPERATIONS.
7. CONTRACTOR WILL BE REQUIRED TO INSTALL SPEED HUMP SEPARATELY, AFTER SURFACE COURSE IS PLACED. SPEED HUMPS WILL BE PAID FOR AT THE CONTRACT UNIT PRICE PER SQUARE YARD FOR "SPEED HUMPS, COMPLETE". BUTT JOINTS FOR SPEED HUMPS WILL BE INCIDENTAL TO THE VARIOUS PAY ITEMS.
8. EXACT LOCATIONS OF THE FULL DEPTH PATCHES WILL BE FIELD DETERMINED.
9. REFRESH "OVERLAY" ALL DAMAGED EXISTING PAVEMENT MARKING AS DIRECTED BY ENGINEER.
10. BROWN AVE (FROM FOSTER ST TO SIMPSON ST), MILL (VARIABLE DEPTH) OF EXISTING ROADWAY SURFACE AND REPLACE WITH ±3/4" TO 1" LEVELING BINDER (MACHINE METHOD), N50 (IL9.5MM) AND 2" HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N50 (IL 9.5 MM).

NOTE (UNLESS SPECIFIED IN THE PLAN)

MAXIMUM TRENCH PAY WIDTHS
WATER MAIN=4.0 FT (5.0 FT FOR TRENCH DEPTHS MORE THAN 8')

MAXIMUM PAVEMENT REMOVAL AND REPLACEMENT PAY WIDTHS:
WATER MAIN=6.0 FT (7.0 FT FOR TRENCH DEPTHS MORE THAN 8')
WATER OR SEWER STRUCTURES=8.0 FTx8.0 FT
VALVE BOX REMOVAL=2.0 FTx2.0 FT

FOR WIDTHS IN EXCESS OF THE ABOVE, WILL NOT BE PAID SEPARATELY BUT CONSIDERED INCIDENTAL TO VARIOUS PAY ITEMS.

REV. NO.	DATE	DRWN	CHKD	REMARKS

DESIGNED BY: A. SHABAN
DRAWN BY: D. CLAYTON
SHEET CHK'D BY: A. SHABAN
CROSS CHK'D BY: D. TANZI
APPROVED BY: X
DATE: JANUARY 2025

CDM Smith
125 South Wacker Drive, Suite 2510
Chicago, IL 60606
Tel: (312) 346-5000
IL COA No. 184-001297

CITY OF EVANSTON
2025 PRIORITIZED WATERMAIN AND LEAD WATER SERVICE LINE REPLACEMENT PROJECT

BROWN AVE.
EROSION AND RESTORATION PLANS

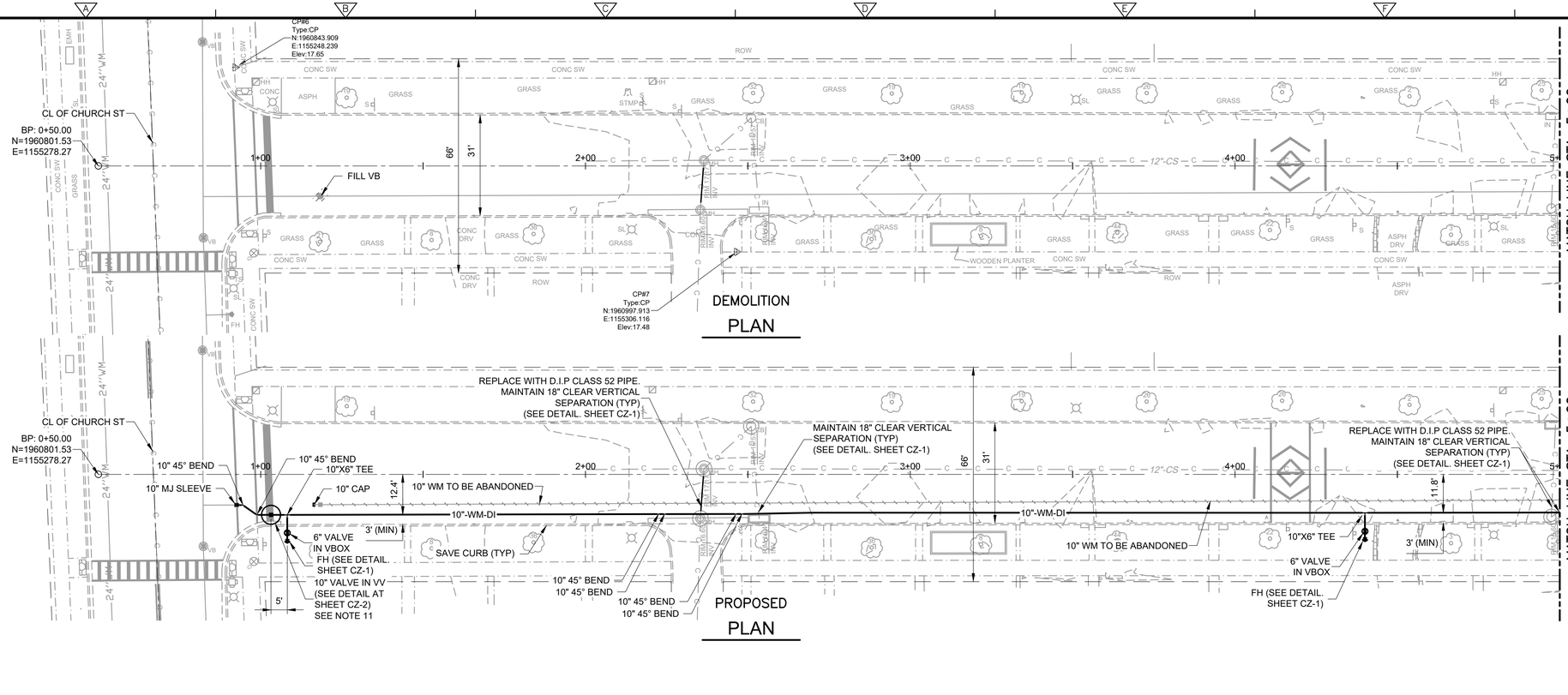
PROJECT NO. 1667-265896
FILE NAME: CB3STPL

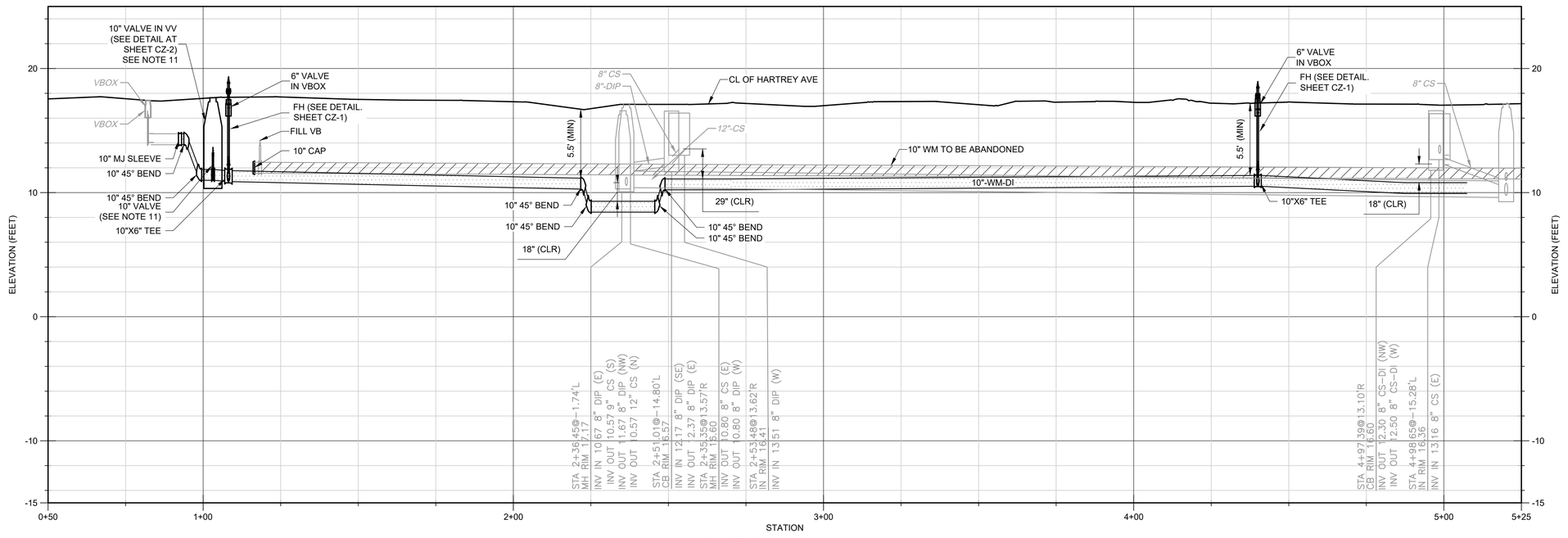
SHEET NO.
CB-3

ISSUED FOR BID

XREFs: [CEP100ST, 2012 mr sid aerial, CDMS_2234, CWP100ST] Images: []
Last saved by: BRUCENB Time: 1/29/2025 8:58:54 AM
p:\\cdmsmith-a202-pw.bentley.com:pw_p11\167\265896\04 Design Services NM_30%\02 Civil\10 BIM/CADD\CB3STPL.dwg
©2025 CDM SMITH ALL RIGHTS RESERVED.
REUSE OF DOCUMENTS: THESE DOCUMENTS AND DESIGNS PROVIDED BY PROFESSIONAL SERVICE, INCORPORATED HEREIN, ARE THE PROPERTY OF CDM SMITH AND ARE NOT TO BE USED, IN WHOLE OR PART, FOR ANY OTHER PROJECT WITHOUT THE WRITTEN AUTHORIZATION OF CDM SMITH.

XREFs: [CDMS_2234_CEP200ST, 2012 mr sid aerial] Images: []
Last saved by: BRUCENB Time: 1/29/2025 9:13:07 AM
p:\\cdmsmith-a202-pw.bentley.com:pw_p1\\1667\265896\04 Design Services NM_30ft\02 Civil\10 BIM/CADD\CH1YPPP.dwg
©2025 CDM SMITH ALL RIGHTS RESERVED.
REUSE OF DOCUMENTS: THESE DOCUMENTS AND DESIGNS PROVIDED BY PROFESSIONAL SERVICE, INCORPORATED HEREIN, ARE THE PROPERTY OF CDM SMITH AND ARE NOT TO BE USED, IN WHOLE OR PART, FOR ANY OTHER PROJECT WITHOUT THE WRITTEN AUTHORIZATION OF CDM SMITH.





PROFILE

NOTES:

1. ALL MATERIALS SHALL BE "MADE IN AMERICA".
2. CITY REQUIRES THE USE OF STAINLESS STEEL BOLTS ON ALL FITTINGS OR MECHANICAL JOINT CONNECTIONS.
3. ALL SERVICES WILL BE TRACED BY WATER DIVISION PRIOR TO CONNECTION.
4. ALL NEW WATER SERVICES WILL BE 1.50" DIAMETER FOR EXISTING WATER SERVICES EQUAL OR LESS THAN 1.50" DIAMETER AND REQUIRED TO BE AUGURED. UNLESS OTHERWISE NOTED ON DRAWINGS.
5. A WATERTIGHT CONNECTION CONFORMING TO ASTM C-923 SHALL BE BETWEEN ALL PROPOSED SEWERS THAT WILL CONNECT TO EXISTING OR PROPOSED STRUCTURES. ALL PIPE CONNECTIONS TO EXISTING MANHOLES SHALL HAVE RUBBER BOOTS CONFORMING TO ASTM C-923.
6. SEE MWRD GENERAL NOTES #16 FOR PLUGGING (INCIDENTAL TO VARIOUS PAY ITEMS).
7. ALL NON-PRESSURE CONNECTIONS TO EXISTING WATER MAIN WILL NOT BE PAID FOR SEPARATELY BUT CONSIDERED INCIDENTAL TO WATER MAIN WORK ITEMS.
8. VITON GASKETS (FKM GASKETS) WILL ONLY BE USED WHEN CONTAMINATED SOILS ARE ENCOUNTERED.
9. EXPLORATORY TRENCH WILL BE FIELD DETERMINED AND APPROVED ONLY BY THE RESIDENT ENGINEER.
10. SEWER LATERALS SIZES AND MATERIALS ARE APPROXIMATIONS. CONTRACTOR WILL NEED TO FIELD VERIFY SEWER PIPE SIZES BEFORE ORDERING MATERIALS.
11. CONTRACTOR TO FIELD VERIFY LOCATION OF VALVE VAULT.

1" = 20'

VALVE TABLE		
VALVE NAME	STATION	OFFSET
6" VALVE	1+08.16	18.00R
FH (SEE DETAIL. SHEET CZ-1)	1+08.17	20.00R
10" VALVE (SEE NOTE 11)	1+03.15	12.45R
6" VALVE	4+40.00	17.50R
FH (SEE DETAIL. SHEET CZ-1)	4+40.00	19.49R

Fitting Table		
Fitting Name	STATION	OFFSET
10" 45° BEND	2+22.49	12.23 R
10" 45° BEND	2+24.34	12.23 R
10" 45° BEND	2+46.34	12.18 R
10" 45° BEND	2+48.14	12.18 R
10" 45° BEND	0+98.78	12.46 R
10" 45° BEND	0+94.52	9.43 R
10"X6" TEE	1+08.15	12.44 R
10" MJ SLEEVE	0+92.52	9.41 R
10" CAP	1+16.39	9.32 R
10"X6" TEE	4+40.00	11.83 R

REV. NO.	DATE	DRWN	CHKD	REMARKS

DESIGNED BY: A. SHABAN
DRAWN BY: D. CLAYTON
SHEET CHK'D BY: A. SHABAN
CROSS CHK'D BY: D. TANZI
APPROVED BY: X
DATE: JANUARY 2025

CDM Smith
125 South Wacker Drive, Suite 2510
Chicago, IL 60606
Tel: (312) 346-5000
IL COA No. 184-001297

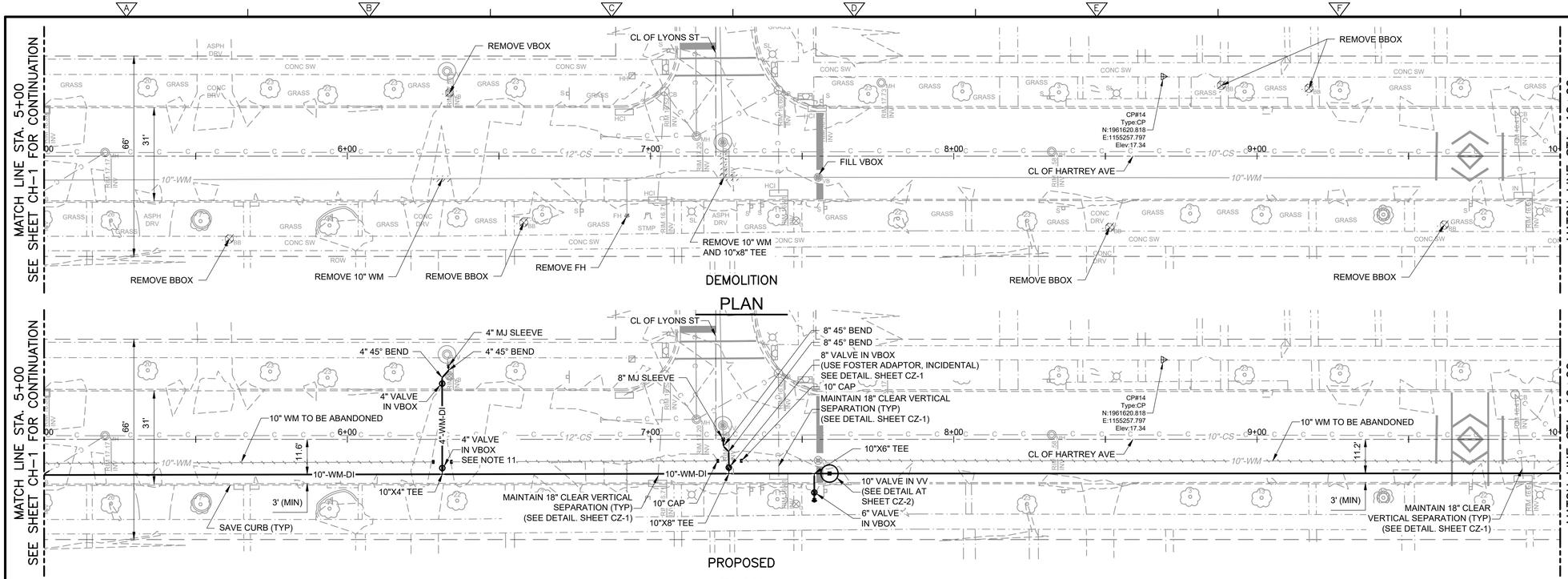
CITY OF EVANSTON
2025 PRIORITIZED WATERMAIN AND LEAD WATER SERVICE LINE REPLACEMENT PROJECT

HARTREY AVE
PLANS AND PROFILE
STATION 0+50 TO 5+00

PROJECT NO. 1667-265896
FILE NAME: CH1YPPP
SHEET NO. CH-1

ISSUED FOR BID

XREFs: [CDMS_2234, CEP200ST, 2012, mr sid cartol] Images: []
Last saved by: BRUCCHB Time: 1/28/2025 10:25:26 AM
pw:\\cdmsmith-az02-pw.bentley.com:pw_pi1\1667\265896\04 Design Services NM_30%\02 Civil\10 BIM/CADD\CH2YPPP.dwg
©2025 CDM SMITH ALL RIGHTS RESERVED.
REUSE OF DOCUMENTS: THESE DOCUMENTS AND DESIGNS PROVIDED BY PROFESSIONAL SERVICE, INCORPORATED HEREIN, ARE THE PROPERTY OF CDM SMITH. THESE DOCUMENTS AND ARE NOT TO BE USED, IN WHOLE OR PART, FOR ANY OTHER PROJECT WITHOUT THE WRITTEN AUTHORIZATION OF CDM SMITH.



N

1" = 20'
10 0 20

NOTES:

1. ALL MATERIALS SHALL BE "MADE IN AMERICA".
2. CITY REQUIRES THE USE OF STAINLESS STEEL BOLTS ON ALL FITTINGS OR MECHANICAL JOINT CONNECTIONS.
3. ALL SERVICES WILL BE TRACED BY WATER DIVISION PRIOR TO CONNECTION.
4. ALL NEW WATER SERVICES WILL BE 1.50" DIAMETER FOR EXISTING WATER SERVICES EQUAL OR LESS THAN 1.50" DIAMETER AND REQUIRED TO BE AUGURED. UNLESS OTHERWISE NOTED ON DRAWINGS.
5. A WATERTIGHT CONNECTION CONFORMING TO ASTM C-923 SHALL BE BETWEEN ALL PROPOSED SEWERS THAT WILL CONNECT TO EXISTING OR PROPOSED STRUCTURES. ALL PIPE CONNECTIONS TO EXISTING MANHOLES SHALL HAVE RUBBER BOOTS CONFORMING TO ASTM C-923.
6. SEE MWRD GENERAL NOTES #16 FOR PLUGGING (INCIDENTAL TO VARIOUS PAY ITEMS).
7. ALL NON-PRESSURE CONNECTIONS TO EXISTING WATER MAIN WILL NOT BE PAID FOR SEPARATELY BUT CONSIDERED INCIDENTAL TO WATER MAIN WORK ITEMS.
8. VITON GASKETS (FKM GASKETS) WILL ONLY BE USED WHEN CONTAMINATED SOILS ARE ENCOUNTERED.
9. EXPLORATORY TRENCH WILL BE FIELD DETERMINED AND APPROVED ONLY BY THE RESIDENT ENGINEER.
10. SEWER LATERALS SIZES AND MATERIALS ARE APPROXIMATIONS. CONTRACTOR WILL NEED TO FIELD VERIFY SEWER PIPE SIZES BEFORE ORDERING MATERIALS.
11. 1750 HARTREY AVE (4" WATER SERVICE TESTING): PROVIDE MECHANICAL CAP WITH 2" SWEEP HOLE OR SAME SIZE DIAMETER 45 BENDS AND PIPES TEMPORARILY FLUSHING. PRESSURE TEST AND CHLORINATE 4" LINE SEPARATELY. TO BE DONE PRIOR TO FINAL CONNECTIONS (INCIDENTAL).

VALVE TABLE		
VALVE NAME	STATION	OFFSET
6" VALVE	7+54.00	17.50R
10" VALVE	7+59.00	11.24R
8" VALVE	7+25.82	9.30R
4" VALVE	6+31.27	-18.38L
4" VALVE (SEE NOTE 11)	6+31.32	9.46R
FH (SEE DETAIL. SHEET CZ-1)	7+54.00	19.50R

Fitting Table		
Fitting Name	STATION	OFFSET
10" CAP	7+22.15	7.07 R
10" CAP	7+29.97	7.04 R
10"X6" TEE	7+54.00	11.25 R
10"X8" TEE	7+25.83	11.30 R
8" 45° BEND	7+25.77	4.00 R
8" 45° BEND	7+24.03	2.28 R
8" MJ SLEEVE	7+23.96	0.00
4" 45° BEND	6+33.44	-22.81 L
4" 45° BEND	6+31.26	-20.38 L
10"X4" TEE	6+31.32	11.47 R
10" CAP	6+34.32	7.40 R
10" CAP	6+28.32	7.42 R
4" MJ SLEEVE	6+33.29	-24.09 L

REV. NO.	DATE	DRWN	CHKD	REMARKS

DESIGNED BY: A. SHABAN
DRAWN BY: D. CLAYTON
SHEET CHK'D BY: A. SHABAN
CROSS CHK'D BY: D. TANZI
APPROVED BY: X
DATE: JANUARY 2025

CDM Smith
125 South Wacker Drive, Suite 2510
Chicago, IL 60606
Tel: (312) 346-5000
IL COA No. 184-001297

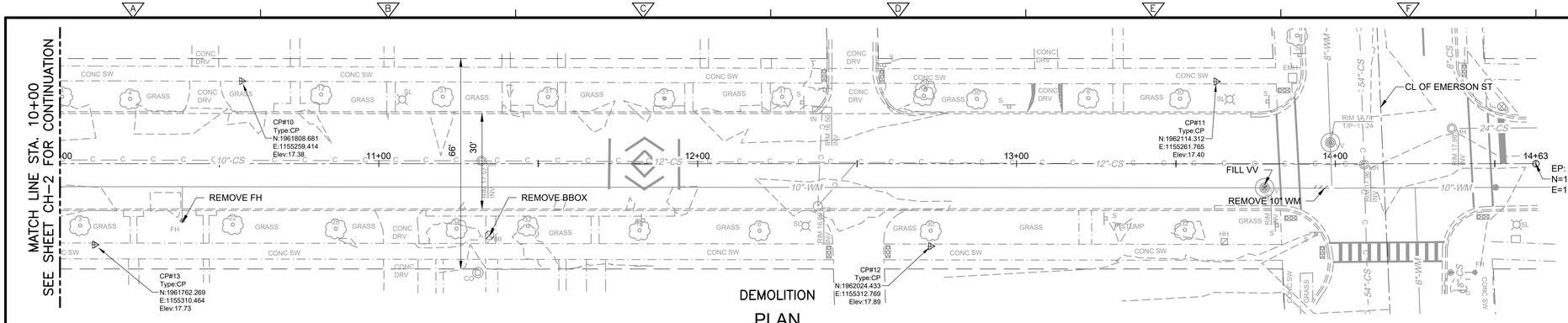
CITY OF EVANSTON
2025 PRIORITIZED WATERMAIN AND LEAD WATER SERVICE LINE REPLACEMENT PROJECT

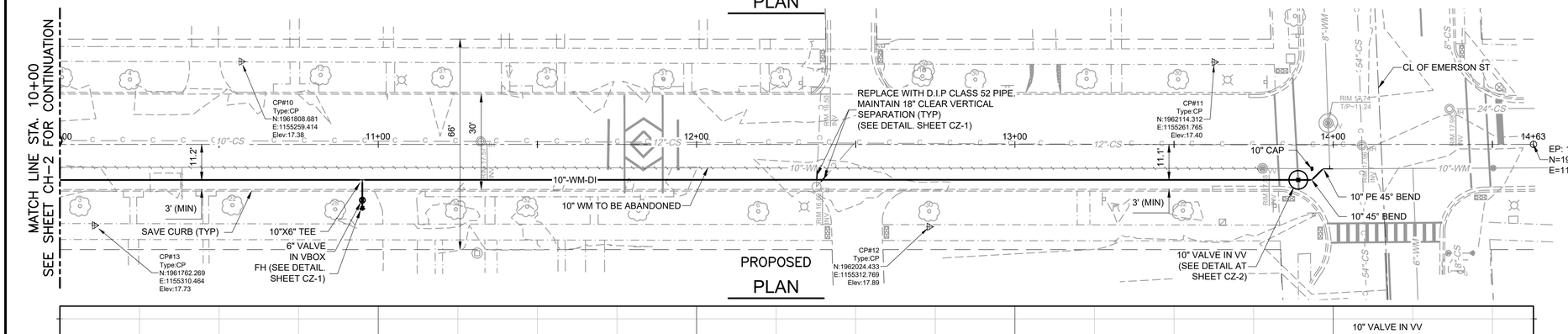
HARTREY AVE
PLANS AND PROFILE
STATION 5+00 TO 10+00

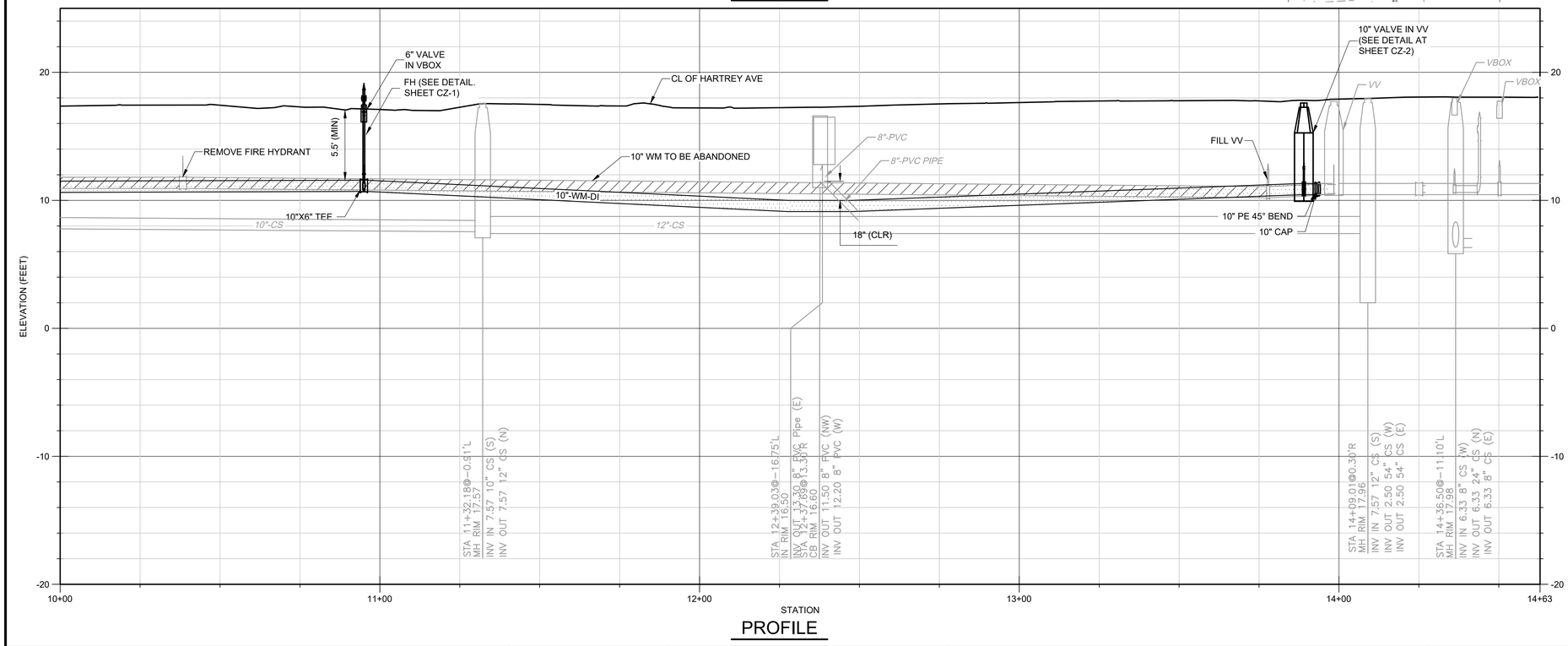
PROJECT NO. 1667-265896
FILE NAME: CH2YPPP
SHEET NO. CH-2

ISSUED FOR BID

xREFs: [CDMS_2234, CEP200ST, 2012 mr sid aerial] Images: []
Last saved by: BRUCENB Time: 1/28/2025 10:45:29 AM
pw:\\cdmsmith-uz02-pw.bentley.com:pw_pl1\1667_265896\04 Design Services NM_30%\02 Civil\10 BIM/CADD\CH3YPPP.dwg
© 2025 CDM SMITH ALL RIGHTS RESERVED
REUSE OF DOCUMENTS: THESE DOCUMENTS AND DESIGNS PROVIDED BY PROFESSIONAL SERVICE, INCORPORATED HEREIN, ARE THE PROPERTY OF CDM SMITH AND ARE NOT TO BE USED, IN WHOLE OR PART, FOR ANY OTHER PROJECT WITHOUT THE WRITTEN AUTHORIZATION OF CDM SMITH.







NOTES:

1. ALL MATERIALS SHALL BE "MADE IN AMERICA".
2. CITY REQUIRES THE USE OF STAINLESS STEEL BOLTS ON ALL FITTINGS OR MECHANICAL JOINT CONNECTIONS.
3. ALL SERVICES WILL BE TRACED BY WATER DIVISION PRIOR TO CONNECTION.
4. ALL NEW WATER SERVICES WILL BE 1.50" DIAMETER FOR EXISTING WATER SERVICES EQUAL OR LESS THAN 1.50" DIAMETER AND REQUIRED TO BE AUGURED. UNLESS OTHERWISE NOTED ON DRAWINGS.
5. A WATERTIGHT CONNECTION CONFORMING TO ASTM C-923 SHALL BE BETWEEN ALL PROPOSED SEWERS THAT WILL CONNECT TO EXISTING OR PROPOSED STRUCTURES. ALL PIPE CONNECTIONS TO EXISTING MANHOLES SHALL HAVE RUBBER BOOTS CONFORMING TO ASTM C-923.
6. SEE MWRD GENERAL NOTES #16 FOR PLUGGING (INCIDENTAL TO VARIOUS PAY ITEMS).
7. ALL NON-PRESSURE CONNECTIONS TO EXISTING WATER MAIN WILL NOT BE PAID FOR SEPARATELY BUT CONSIDERED INCIDENTAL TO WATER MAIN WORK ITEMS.
8. VITON GASKETS (FKM GASKETS) WILL ONLY BE USED WHEN CONTAMINATED SOILS ARE ENCOUNTERED.
9. EXPLORATORY TRENCH WILL BE FIELD DETERMINED AND APPROVED ONLY BY THE RESIDENT ENGINEER.
10. SEWER LATERALS SIZES AND MATERIALS ARE APPROXIMATIONS. CONTRACTOR WILL NEED TO FIELD VERIFY SEWER PIPE SIZES BEFORE ORDERING MATERIALS.

1" = 20'

Fitting Table		
Fitting Name	STATION	OFFSET
10" PE 45° BEND	13+96.82	7.67 R
10"X6" TEE	10+95.00	11.15 R
10" 45° BEND	13+93.27	11.16 R
10" CAP	13+93.29	7.64 R

VALVE TABLE		
VALVE NAME	STATION	OFFSET
6" VALVE	10+95.00	17.50R
FH (SEE DETAIL. SHEET CZ-1)	10+95.00	19.50R
10" VALVE	13+89.00	11.15R

REV. NO.	DATE	DRWN	CHKD	REMARKS

DESIGNED BY: A. SHABAN
DRAWN BY: D. CLAYTON
SHEET CHK'D BY: A. SHABAN
CROSS CHK'D BY: D. TANZI
APPROVED BY: X
DATE: JANUARY 2025

CDM Smith
125 South Wacker Drive, Suite 2510
Chicago, IL 60606
Tel: (312) 346-5000
IL COA No. 184-001297

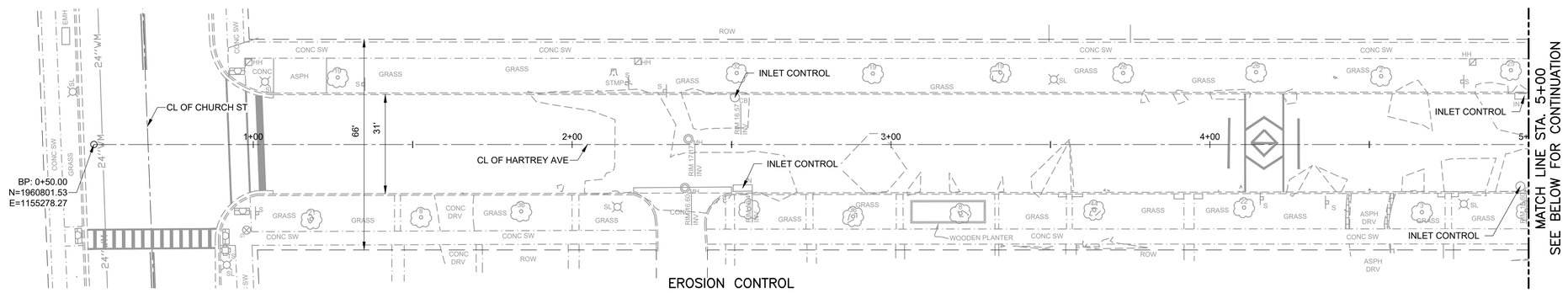
CITY OF EVANSTON
2025 PRIORITIZED WATERMAIN AND LEAD WATER SERVICE LINE REPLACEMENT PROJECT

HARTREY AVE
PLANS AND PROFILE
STATION 10+00 TO END

PROJECT NO. 1667-265896
FILE NAME: CH3YPPP

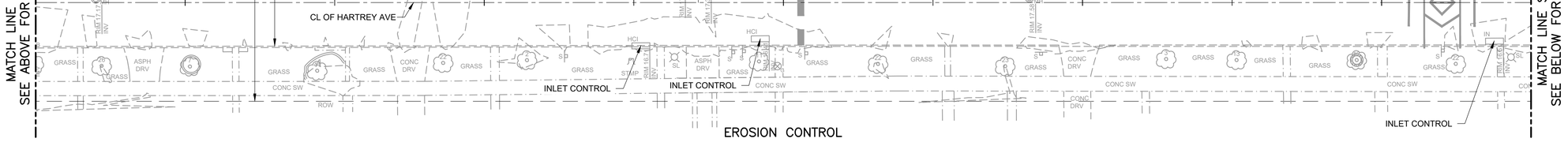
SHEET NO.
CH-3

ISSUED FOR BID



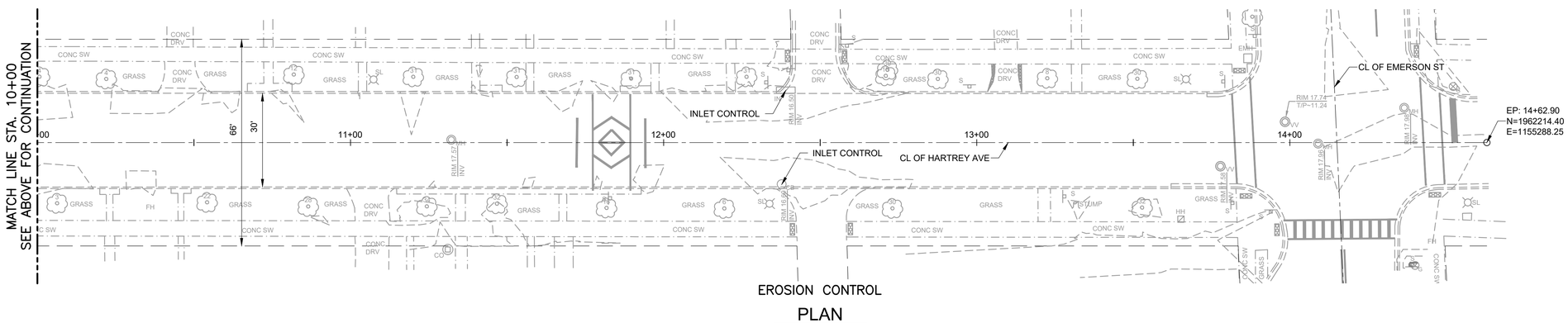
EROSION CONTROL

PLAN



EROSION CONTROL

PLAN



EROSION CONTROL

PLAN

1" = 20'

10 0 20

NOTE:

1. TEMPORARY FENCE INSTALLATION AND EARTH SAWCUTS OF TREE ROOTS (ROOT PRUNING) WILL BE FIELD DETERMINED, PRIOR TO ANY REMOVAL OPERATIONS.

REV. NO.	DATE	DRWN	CHKD	REMARKS

DESIGNED BY: A. SHABAN
DRAWN BY: D. CLAYTON
SHEET CHK'D BY: A. SHABAN
CROSS CHK'D BY: D. TANZI
APPROVED BY: X
DATE: JANUARY 2025

CDM Smith
125 South Wacker Drive, Suite 2510
Chicago, IL 60606
Tel: (312) 346-5000
IL COA No. 184-001297

CITY OF EVANSTON
2025 PRIORITIZED WATERMAIN AND LEAD WATER SERVICE LINE REPLACEMENT PROJECT

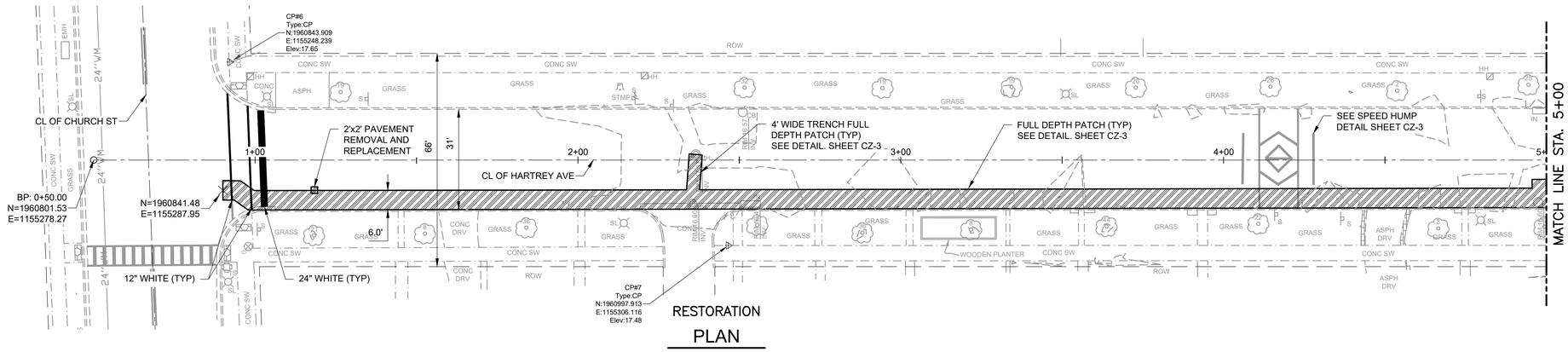
HARTREY AVE
EROSION CONTROL PLAN

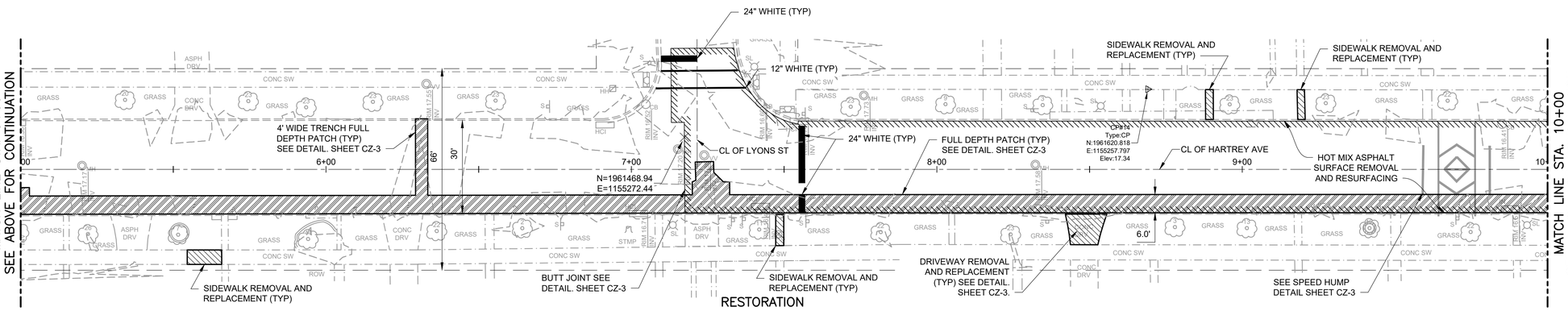
PROJECT NO. 1667-265896
FILE NAME: CH4STPL

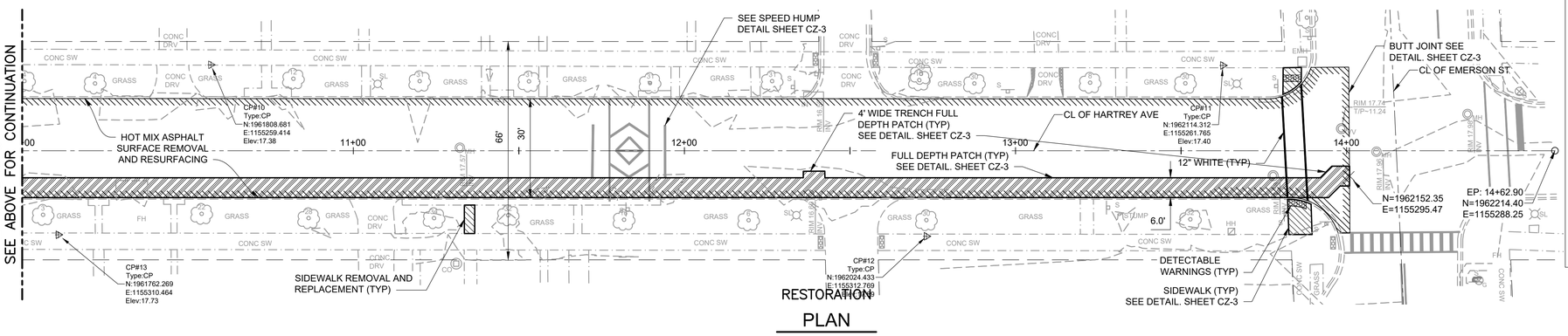
SHEET NO.
CH-4

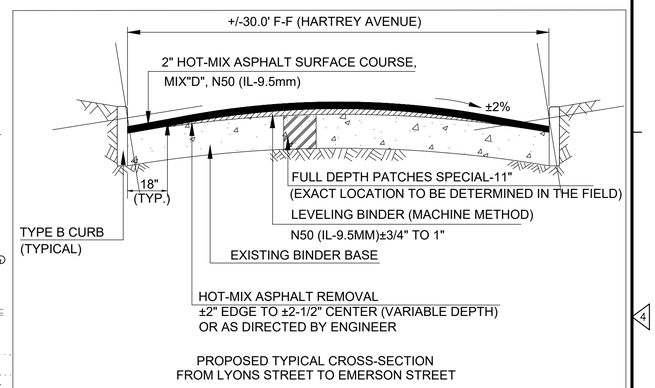
ISSUED FOR BID

XREFs: [CDMS_2234_CEP200ST, 2012 mr eid aerial] Images: []
Last saved by: BRUCENB Time: 1/27/2025 4:31:47 PM
pw:\\cdmsmith-eu02-pw.bentley.com:pw_pi1\1667\265896\04 Design Services NM_305\02 Civil\10 BIM/CADD\CH4STPL.dwg
©2025 CDM SMITH ALL RIGHTS RESERVED.
REUSE OF DOCUMENTS: THESE DOCUMENTS AND DESIGNS PROVIDED BY PROFESSIONAL SERVICE, INCORPORATED HEREIN, ARE THE PROPERTY OF CDM SMITH AND ARE NOT TO BE USED, IN WHOLE OR PART, FOR ANY OTHER PROJECT WITHOUT THE WRITTEN AUTHORIZATION OF CDM SMITH.









N

1" = 20'

10 0 20

NOTES:

1. ALL REMOVAL AND REPLACEMENT OF EXISTING CONCRETE CURB TYPE B WILL BE FIELD DETERMINED.
2. THE WORK IN NOTE 1 WILL BE PAID FOR AT THE CONTRACT UNIT PRICE BID FOR "CONCRETE CURB REMOVAL".
3. THE CONTRACTOR SHALL BE RESPONSIBLE TO VISUALLY FIELD VERIFY ALL STRUCTURES CALLING FOR RECONSTRUCTION OR REPLACEMENT IN ORDER TO DETERMINE THE EXTENT AND MAGNITUDE OF THE WORK REQUIRED. FULL DEPTH SAW CUTTING WILL BE REQUIRED FOR ALL UTILITY WORK.
4. ADDITIONAL CONCRETE REMOVAL AND REPLACEMENT WORK WILL BE FIELD DETERMINED.
5. CONTRACTOR WILL BE REQUIRED TO INSTALL SPEED HUMP SEPARATELY, AFTER SURFACE COURSE IS PLACED. SPEED HUMPS WILL BE PAID FOR AT THE CONTRACT UNIT PRICE PER SQUARE YARD FOR "SPEED HUMPS, COMPLETE". BUTT JOINTS FOR SPEED HUMPS WILL BE INCIDENTAL TO THE VARIOUS PAY ITEMS.
6. EXACT LOCATIONS OF THE FULL DEPTH PATCHES WILL BE FIELD DETERMINED.
7. REFRESH "OVERLAY" ALL DAMAGED EXISTING PAVEMENT MARKING AS DIRECTED BY ENGINEER.
8. HARTREY AVE (FROM CHURCH ST TO EMERSON ST), MILL (VARIABLE DEPTH) OF EXISTING ROADWAY SURFACE AND REPLACE WITH ±3/4 TO 1" LEVELING BINDER (MACHINE METHOD), N50 (IL9.5MM) AND 2" HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N50 (IL 9.5MM).

NOTE (UNLESS SPECIFIED IN THE PLAN)

MAXIMUM TRENCH PAY WIDTHS
WATER MAIN=4.0 FT (5.0 FT FOR TRENCH DEPTHS MORE THAN 8')

MAXIMUM PAVEMENT REMOVAL AND REPLACEMENT PAY WIDTHS:
WATER MAIN=6.0 FT (7.0 FT FOR TRENCH DEPTHS MORE THAN 8')
WATER OR SEWER STRUCTURES=8.0 FTx8.0 FT
VALVE BOX REMOVAL=2.0 FTx2.0 FT

FOR WIDTHS IN EXCESS OF THE ABOVE, WILL NOT BE PAID SEPARATELY BUT CONSIDERED INCIDENTAL TO VARIOUS PAY ITEMS.

REV. NO.	DATE	DRWN	CHKD	REMARKS

DESIGNED BY: A. SHABAN
DRAWN BY: D. CLAYTON
SHEET CHK'D BY: A. SHABAN
CROSS CHK'D BY: D. TANZI
APPROVED BY: X
DATE: JANUARY 2025

CDM Smith
125 South Wacker Drive, Suite 2510
Chicago, IL 60606
Tel: (312) 346-5000
IL COA No. 184-001297

CITY OF EVANSTON
2025 PRIORITIZED WATERMAIN AND LEAD WATER SERVICE LINE REPLACEMENT PROJECT

HARTREY AVE
RESTORATION PLAN

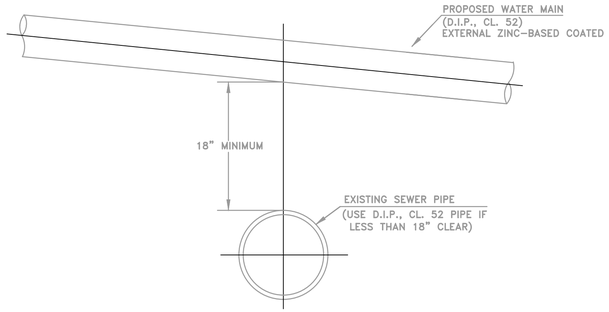
PROJECT NO. 1667-265896
FILE NAME: CH5STPL
SHEET NO.
CH-5

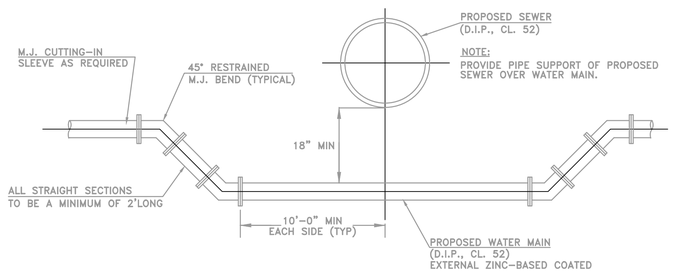
ISSUED FOR BID

XREFs: [CDMS_2234_CEP200ST, 2012_mr_eid_aerial, CWP200ST] Images: []
Last saved by: BRUCENB Time: 1/29/2025 9:09:28 AM
pw:\\cdmsmith-az02-pw.bentley.com:pw_p11\1667\265896\04 Design Services NM_305\02 Civil\10 BIM/CADD\CH5STPL.dwg
©2025 CDM SMITH ALL RIGHTS RESERVED.
REUSE OF DOCUMENTS: THESE DOCUMENTS AND DESIGNS PROVIDED BY PROFESSIONAL SERVICE, INCORPORATED HEREIN, ARE THE PROPERTY OF CDM SMITH AND ARE NOT TO BE USED, IN WHOLE OR PART, FOR ANY OTHER PROJECT WITHOUT THE WRITTEN AUTHORIZATION OF CDM SMITH.

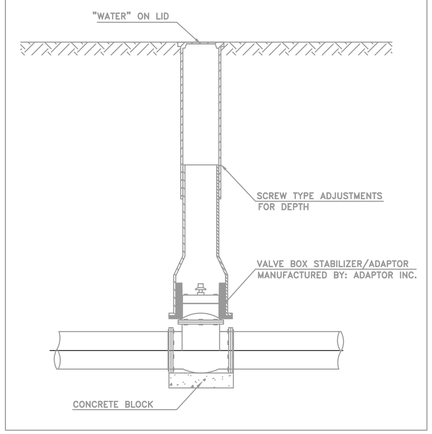
CITY OF EVANSTON TYPICAL DETAILS

WATER MAIN ADJUSTMENT DETAIL



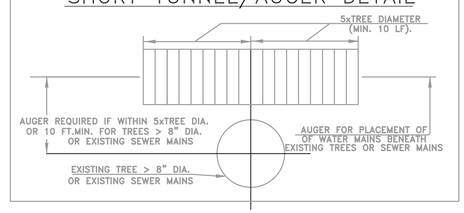


VALVE BOX DETAIL



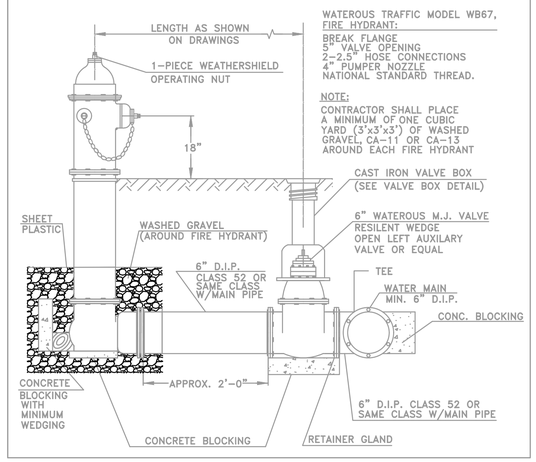
BEDDING PAYMENT SCHEDULE	
PIPE SIZE (INCH I. D.)	UNIT RATE PER LIN. FT. (TONS)
6	0.17
8	0.19
10	0.22
12	0.25
15	0.33
18	0.41
21	0.48
24	0.57
27	0.64
30	0.74
36	0.94
42	1.15
48	1.38
54	1.71
60	1.90

SHORT TUNNEL/AUGER DETAIL

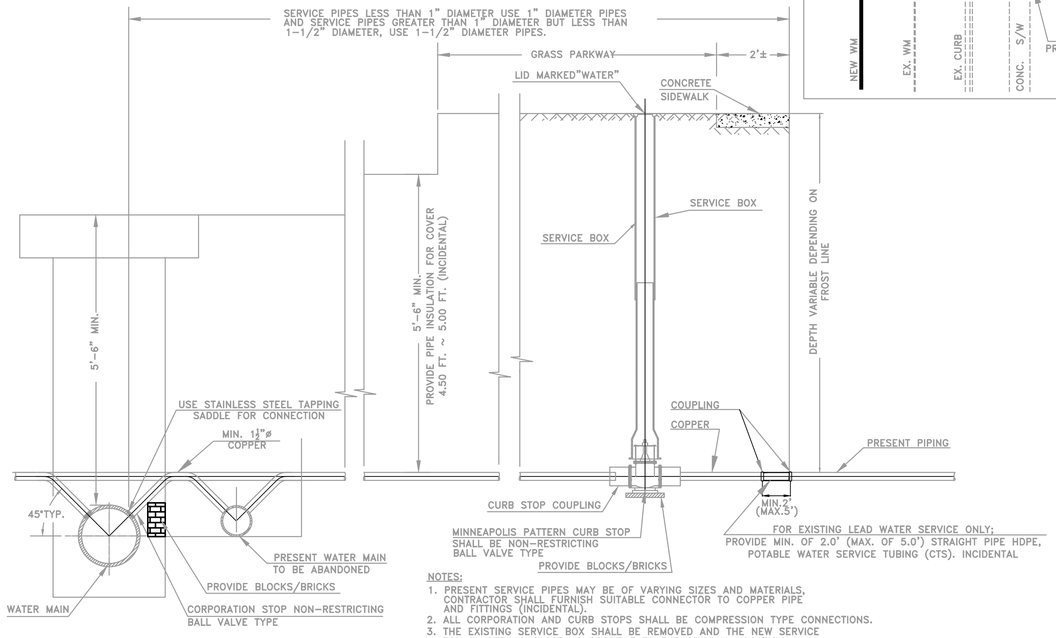


FIRE HYDRANT DETAIL

(EVANSTON WATER DEPARTMENT STANDARDS)

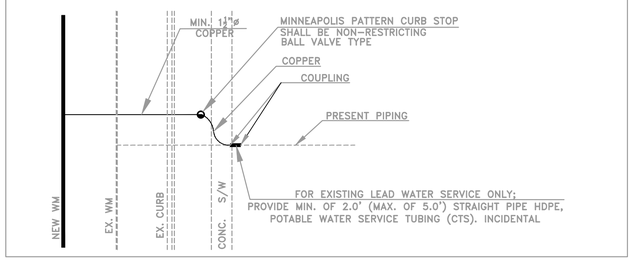


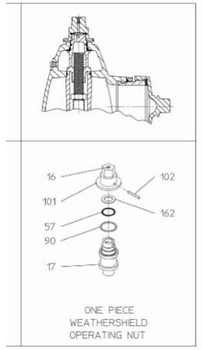
WATER SERVICE CONNECTION DETAIL



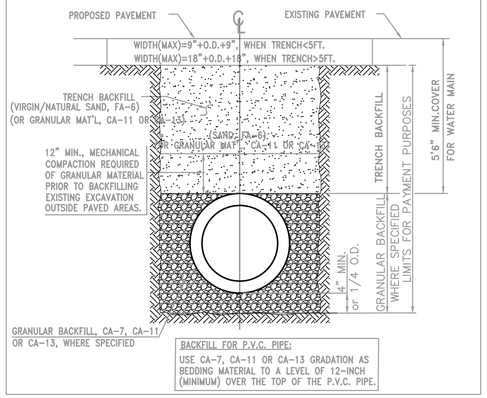
NOTES:
1. PRESENT SERVICE PIPES MAY BE OF VARYING SIZES AND MATERIALS, CONTRACTOR SHALL FURNISH SUITABLE CONNECTOR TO COPPER PIPE AND FITTINGS (INCIDENTAL).
2. ALL CORPORATION AND CURB STOPS SHALL BE COMPRESSION TYPE CONNECTIONS.
3. THE EXISTING SERVICE BOX SHALL BE REMOVED AND THE NEW SERVICE BOX PLACED AS CLOSE AS POSSIBLE TO THE ORIGINAL LOCATION.

WATER SERVICE CONNECTION PLAN DETAIL



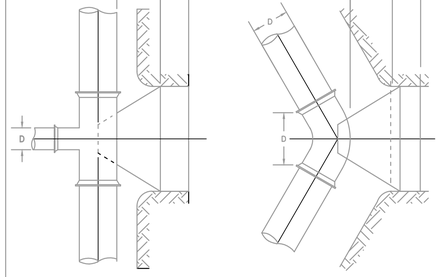


TRENCH BACKFILL & GRANULAR BACKFILL MATERIALS DETAIL

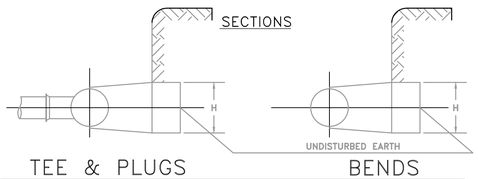


THRUST BLOCK DETAIL

PLANS



SECTIONS



TEE & PLUGS BENDS

PIPE SIZE / TYPE OF FITTING "D"	6"		8"		10"		12"	
	L	H	L	H	L	H	L	H
TEE & PLUG	2'-0"	1'-6"	2'-0"	2'-0"	3'-0"	2'-0"	4'-6"	2'-0"
90°BEND	2'-0"	2'-0"	3'-0"	2'-0"	4'-6"	2'-0"	6'-0"	2'-0"
45°BEND	2'-0"	1'-0"	2'-0"	1'-6"	3'-0"	1'-6"	3'-6"	2'-0"
22-1/2° BEND	1'-0"	1'-0"	2'-0"	1'-6"	2'-0"	1'-6"	3'-0"	1'-6"
11-1/4° BEND	1'-0"	1'-0"	1'-0"	1'-0"	1'-0"	1'-0"	1'-6"	1'-0"

REV. NO.	DATE	DRWN	CHKD	REMARKS

DESIGNED BY: A. SHABAN
DRAWN BY: D. CLAYTON
SHEET CHK'D BY: A. SHABAN
CROSS CHK'D BY: D. TANZI
APPROVED BY: X
DATE: JANUARY 2025

CDM Smith
125 South Wacker Drive, Suite 2510
Chicago, IL 60606
Tel: (312) 346-5000
IL COA No. 184-001297

CITY OF EVANSTON
2025 PRIORITIZED WATERMAIN AND LEAD WATER SERVICE LINE REPLACEMENT PROJECT

CITY OF EVANSTON
DETAILS I

PROJECT NO. 1667-265896
FILE NAME: CZ01NFDT
SHEET NO.
CZ-1

ISSUED FOR BID

XREFs: [CDMS_2234] Images: []
Last saved by: BRUCENB Time: 1/28/2025 11:13:48 AM
pw:\\cdmsmith-az02-pw.bentley.com:pw_pl1\166\265896\04 Design Services NM_30%\02 Civil\10 BIM/CADD\CZ07NFDT.dwg
©2025 CDM SMITH ALL RIGHTS RESERVED.
REUSE OF DOCUMENTS: THESE DOCUMENTS AND DESIGNS PROVIDED BY PROFESSIONAL SERVICE, INCORPORATED HEREIN, ARE THE PROPERTY OF CDM SMITH AND ARE NOT TO BE USED, IN WHOLE OR PART, FOR ANY OTHER PROJECT WITHOUT THE WRITTEN AUTHORIZATION OF CDM SMITH.

CITY OF EVANSTON TYPICAL DETAILS

PIPE MATERIAL SPECIFICATION

WHERE POLYVINYL CHLORIDE PIPE (P.V.C.) IS CALLED FOR ON THE CONTRACT PLANS, IT SHALL BE SDR 26 IN CONFORMANCE WITH:

6" TO 15" PIPE ASTM D-3034

18" OR LARGER PIPE ASTM F-679

WHERE DUCTILE IRON PIPE (D.I.P.) IS CALLED FOR ON THE CONTRACT PLANS, IT SHALL BE;

FOR SEWER : CLASS 50 IN CONFORMANCE WITH:

ANSI A-21.51 PIPE

ANSI A-21.11 JOINT

FOR WATER: CLASS 52 IN CONFORMANCE WITH:

Mechanical Joints; AWWA C-153

Push-On Joints; AWWA C-153

WHERE EXTRA STRENGTH CLAY PIPE (E.S.V.C.P.) IS CALLED FOR ON THE CONTRACT PLANS, IT SHALL BE IN CONFORMANCE WITH:

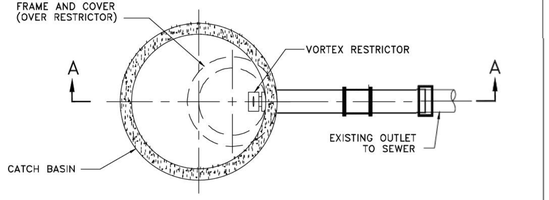
ASTM C-700 PIPE

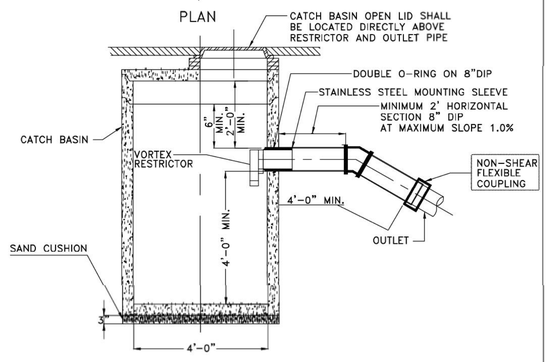
ASTM C-425 JOINT

TABLE

A	B	C	D	E
48"	5"	32" MIN	24"	0.12
60"	6"		36"	0.17
72"	7"	90" MAX	48"	0.18
84"	8-3/4"		54"	0.21
96"	9"		60"	0.27

DETAIL OF CATCH BASIN, TYPE A





SECTION A-A

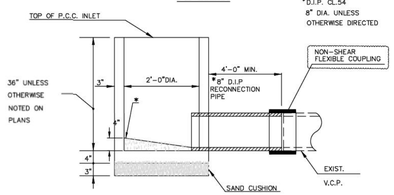
SPECIFICATION REFERENCE: SECTION 602

NOTE: WHEN CATCH BASIN IS CONNECTED TO THE EXISTING COMBINED SEWER, THE CONTRACTOR WILL BE REQUIRED TO INSTALL A VORTEX RESTRICTOR TO BE PROVIDED BY THE CITY. THIS WORK WILL BE CONSIDERED INCIDENTAL TO THE COST OF CATCH BASIN.

REFER TO SPECIAL PROVISIONS IN CONTRACT PROPOSAL.

NOTE: All inlet and outlet pipes of sanitary sewer manholes and other underground structures (and in combined sewer areas, also all combined/ storm sewer manholes, catch basins, inlets, and underground detention storage structures) shall be joined with watertight flexible rubber connections, conforming to A.S.T.M. C-443 and C-923 with stainless steel band.

INLET, TYPE A DETAIL

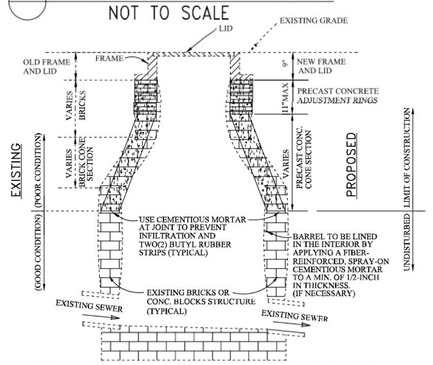


* PREFORMED TAPPERED BOTTOM SHALL BE FURNISHED AT ALL END OF RUN INLETS

SPECIFICATION REFERENCE: SECTION 602

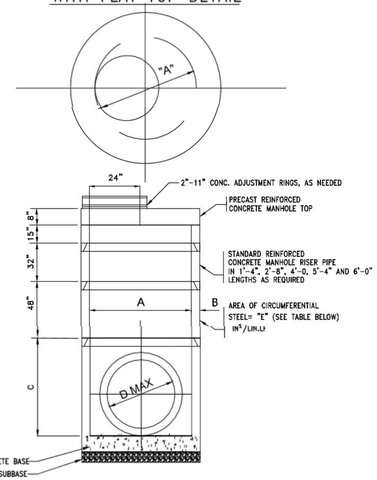
*NOTE: All inlet and outlet pipes of sanitary sewer manholes and other underground structures (and in combined sewer areas, also all combined/ storm sewer manholes, catch basins, inlets, and underground detention storage structures) shall be joined with watertight flexible rubber connections, conforming to A.S.T.M. C-443 and C-923 with stainless steel band.

BRICKS OR CONCRETE BLOCKS STRUCTURE TYPICAL RECONSTRUCTION DETAIL NOT TO SCALE



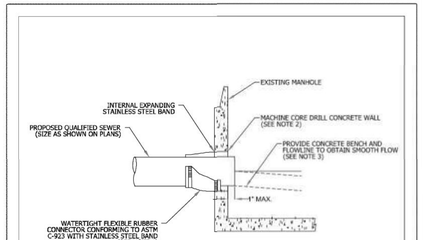
*NOTE: All inlet and outlet pipes of sanitary sewer manholes and other underground structures (and in combined sewer areas, also all combined/ storm sewer manholes, catch basins, inlets, and underground detention storage structures) shall be joined with watertight flexible rubber connections, conforming to A.S.T.M. C-443 and C-923 with stainless steel band. 02-05-09 AA

STANDARD MANHOLE WITH FLAT TOP DETAIL



NOTE: THE WATERTIGHT RESILIENT CONNECTOR (ASTM C 923) SHALL BE PROVIDED FOR CORED OPENINGS BETWEEN STRUCTURE AND SEWER PIPE.

*NOTE: All inlet and outlet pipes of sanitary sewer manholes and other underground structures (and in combined sewer areas, also all combined/ storm sewer manholes, catch basins, inlets, and underground detention storage structures) shall be joined with watertight flexible rubber connections, conforming to A.S.T.M. C-443 and C-923 with stainless steel band.



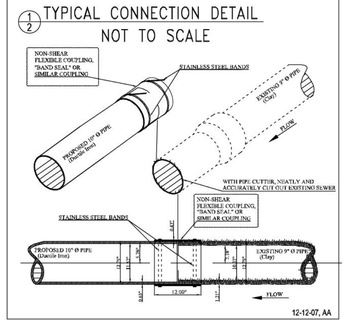
SECTION

NOTES:
1. RESILIENT CONNECTOR COMPLYING WITH ASTM STANDARD C-923 (MOST RECENT EDITION) SHALL BE USED.
2. MACHINE CORE/DRILL CIRCULAR OPENING IN STRUCTURE WALL OPENING DIAMETER TO FIT THE REQUIRED RESILIENT CONNECTOR PER MANUFACTURER'S RECOMMENDATION.
3. CUT, SHAPE, AND SLOPE NEW INVERT CHANNEL IN THE EXISTING CONCRETE BENCH FOR SMOOTH FLOW.
4. CLEAN EXISTING STRUCTURE AND SEWER PIPE OF ANY DIRT, CONCRETE, OR DEBRIS WHICH MAY ACCUMULATE DURING CONSTRUCTION.
5. ANY DAMAGE TO THE EXISTING STRUCTURE SHALL BE REPAIRED BY THE CONTRACTOR.
6. REINFORCED CONCRETE CELLAR MAY BE SUBSTITUTED FOR PIPE DIAMETERS LARGER THAN 36-INCHES.

NOT TO SCALE

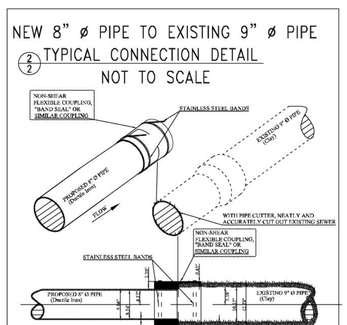
	TECHNICAL GUIDANCE MANUAL	10/02/18
	PIPE TO EXISTING MANHOLE CONNECTION DETAIL	STD. DWG. NO. 42
		PAGE NO. 43

NEW 10" ø PIPE TO EXISTING 9" ø PIPE TYPICAL CONNECTION DETAIL (1/2) NOT TO SCALE



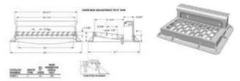
12-12-07, AA

NEW 8" ø PIPE TO EXISTING 9" ø PIPE TYPICAL CONNECTION DETAIL (2/2) NOT TO SCALE



02-26-14, AA

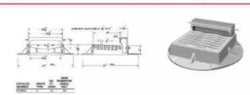
R-3067-L (NEENAH Foundry)



A-Grate Dimension	B-Grate Thickness	E-Flange Dimension	F-Curbside Height	G-Roadside Height	Curb Box Length	Curb Box Width	Grate Type	Sq Ft Open	Weir Perimeter Lineal Feet
17-5/8 X 35-1/4	2	22.3-4/5	4	6	36-1/4	5-1/4	L	3.1	5.8

All dimensions are listed in inches unless otherwise noted.

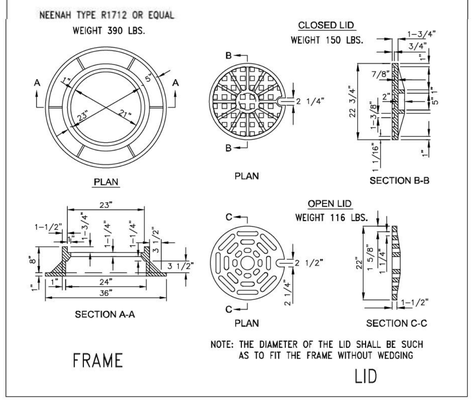
R-3159-A (NEENAH Foundry)



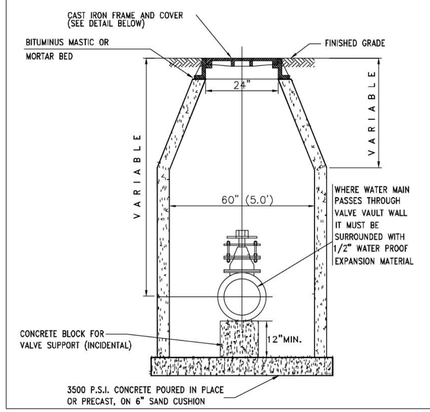
A-Grate Dimension	B-Grate Thickness	E-Flange Dimension	F-Curbside Height	G-Roadside Height	Curb Box Length	Curb Box Width	Grate Type	Sq Ft Open	Weir Perimeter Lineal Feet
18 x 22-3/8	2-3/4	27	9	6-3/4	22-1/32	5-1/4	S	1.3	4.3

All dimensions are listed in inches unless otherwise noted.

TYPE 1 FRAME AND LID DETAIL



VALVE VAULT DETAIL



City of Evanston

NO.	REVISION	DATE
1		
2		
3		
4		

2024 WATER MAIN IMPROVEMENTS PROJECT STATE STANDARDS AND DETAIL SHEETS

SCALE
NTS

PROJECT NUMBER:
PW-WM-2401

BID NUMBER:
24-05

ISSUED FOR:
BID CONSTRUCTION

DATE: 02/05/2024

DESIGNED BY: AA

DRAWN BY: AA, BN

CHECKED BY: BN

SHEET
18 OF 24

REV. NO.	DATE	DRWN	CHKD	REMARKS

DESIGNED BY: A. SHABAN
DRAWN BY: D. CLAYTON
SHEET CHK'D BY: A. SHABAN
CROSS CHK'D BY: D. TANZI
APPROVED BY: X
DATE: JANUARY 2025

CDM Smith
125 South Wacker Drive, Suite 2510
Chicago, IL 60606
Tel: (312) 346-5000
IL COA No. 184-001297

CITY OF EVANSTON
2025 PRIORITIZED WATERMAIN AND LEAD WATER SERVICE LINE REPLACEMENT PROJECT

CITY OF EVANSTON
DETAILS II

PROJECT NO. 1667-265896
FILE NAME: CZ02NFDT

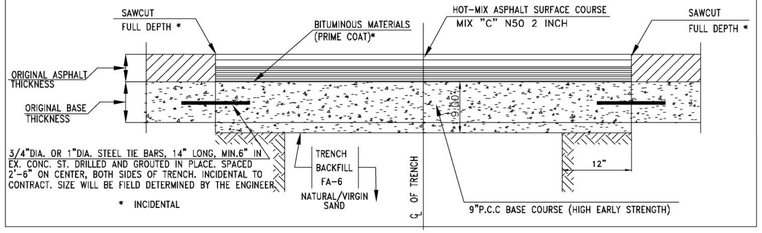
SHEET NO.
CZ-2

ISSUED FOR BID

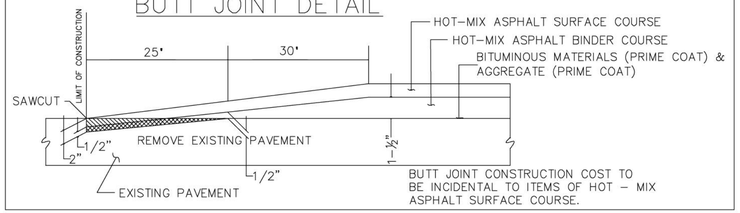
XREFs: [CDMS_2234] Images: []
Last saved by: BRUCENB Time: 1/28/2025 11:13:49 AM
pw:\\cdmsmith-uz02-pw.bentley.com:pw_pi1\1667\265896\04 Design Services NM_30%\02 Civil\10 BIM/CADD\CZ07NFDT.dwg
© 2025 CDM SMITH ALL RIGHTS RESERVED.
REUSE OF DOCUMENTS: THESE DOCUMENTS AND DESIGNS PROVIDED BY PROFESSIONAL SERVICE, INCORPORATED HEREIN, ARE THE PROPERTY OF CDM SMITH AND ARE NOT TO BE USED, IN WHOLE OR PART, FOR ANY OTHER PROJECT WITHOUT THE WRITTEN AUTHORIZATION OF CDM SMITH.

CITY OF EVANSTON TYPICAL DETAILS

FULL DEPTH PATCH DETAIL



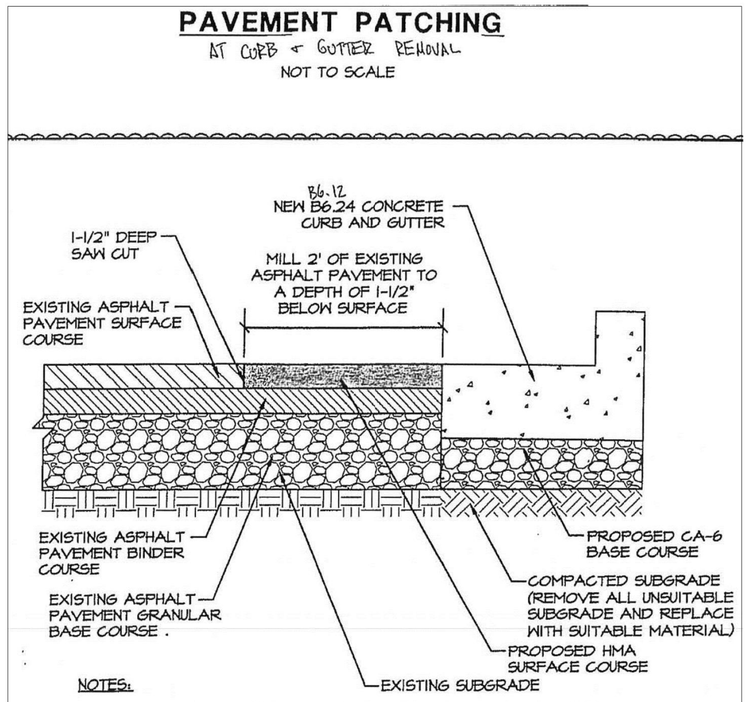
BUTT JOINT DETAIL



PAVEMENT PATCHING

AT CURB & GUTTER REMOVAL

NOT TO SCALE

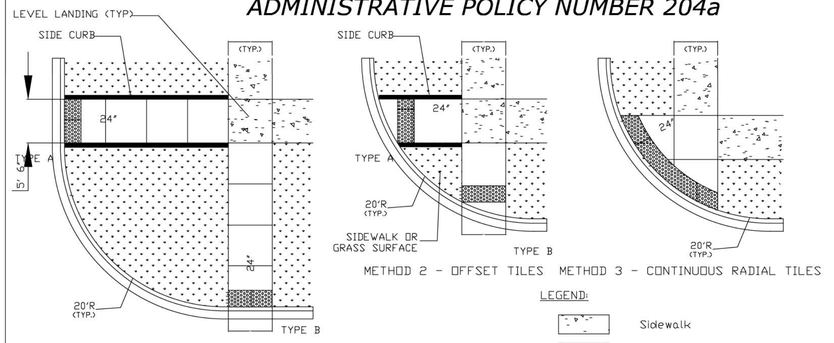


NOTES:

1. EXISTING PAVEMENT SECTION IS SHOWN FOR REFERENCE ONLY.
2. ALL ASPHALT PAVEMENT MILLINGS SHALL BE DISPOSED OF BY THE CONTRACTOR.
3. BITUMINOUS TACK COAT SHALL BE APPLIED AT A RATE OF 0.1 GALLONS PER SQUARE YARD TO BOTH THE EXISTING AND PROPOSED ASPHALT BINDER COURSE PRIOR TO NEW HMA SURFACE COURSE INSTALLATION.

CURB RAMPS DETAIL

ADMINISTRATIVE POLICY NUMBER 204a



GENERAL NOTES:

1. DETECTABLE WARNING TILES SHALL BE INSTALLED THE FULL WIDTH OF THE CURB RAMP AS SHOWN ABOVE, ON THE PLANS, OR AS DIRECTED BY THE ENGINEER. TYPICAL WIDTHS ARE AS FOLLOWS:
   a) 5' - 6" FOR METHODS 1 AND 2
   b) VARIOUS LENGTHS OF RADIAL TILES FOR METHOD 3
2. A LEVEL LANDING (MINIMUM OF 5'X5' AREA WITH SLOPE IN ALL DIRECTIONS LESS THAN 2%) SHALL BE INSTALLED PRIOR TO ALL CURB RAMPS. METHOD 3 REQUIRES ENTIRE CORNER TO BE A LEVEL LANDING.
3. A DEVIATION OF ¼" OR MORE FROM ADJACENT SURFACES IS NOT ALLOWED.
4. SIDE CURBS AS SHOWN IN METHODS 1 AND 2 AS THE TYPE A RAMP WILL NOT BE PAID FOR SEPERATELY BUT WILL BE MEASURED FOR PAYMENT AS PCC SIDEWALK AND WILL BE REQUIRED AS DIRECTED BY THE ENGINEER OR AS SHOWN ON THE PLANS, WHILE TYPE B RAMPS WILL REQUIRE CURB OPENING SIDE FLARES.
5. SEE APPLICABLE PORTIONS OF IDOT HIGHWAY STANDARD 424001 (CURB RAMPS FOR SIDEWALKS), THE IDOT STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION SECTION 424 (PORTLAND CEMENT CONCRETE SIDEWALK), AND THE AMERICANS WITH DISIBILITIES ACT ACCESSIBLITY GUIDELINES (ADAAG) FOR ADDITONAL REQUIREMENTS.
6. DEPRESSED CURB AND GUTTER ADJACENT TO CURB RAMPS SHALL BE INSTALLED TO THE DIMENSIONS PROVIDED IN IDOT HIGHWAY STANDARD 606001 (CONCRETE CURB TYPE B AND COMBINATION CURB AND GUTTER)
7. WHEN USING METHOD 3 ROADWAY CURB RADII SHALL BE INSTALLED AT 15', 20', OR 25' RADIUS TO THE BACK OF CURB AS NOTED ON PLANS OR AS DIRECTED BY ENGINEER.

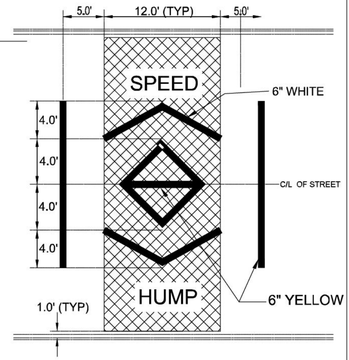
CITY OF EVANSTON PUBLIC WORKS AGENCY CAPITAL PLANNING AND ENGINEERING BUREAU	
APPROVED BY	DATE
CITY ENGINEER	
DIRECTOR OF PUBLIC WORKS	

IDOT STANDARDS:

424001-11 PERPENDICULAR CURB RAMPS FOR SIDEWALKS
424026-03 ENTRANCE / ALLEY PEDESTRIAN CROSSINGS
606001-07 CONCRETE CURB TYPE B AND COMBINATION CONCRETE CURB AND GUTTER

SPEED HUMP DETAIL

NOT TO SCALE



DETAIL SPECIFICATIONS

1. GENERAL STANDARD

A. ALL SPEED HUMPS SHALL BE INSTALLED PER FIGURE 4.1, PAGE 13 OF THE INSTITUTE FOR TRANSPORTATION ENGINEERS "GUIDELINES FOR THE DESIGN AND APPLICATION OF SPEED HUMPS", AS FOLLOWS:-

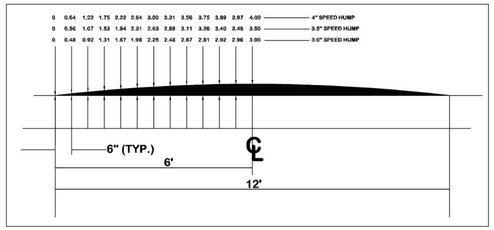


FIGURE 4.1
SOURCE: CLEMENT, J. P. "SPEED HUMPS AND THE THOUSAND OAKS EXPERIENCE." CITY OF THOUSAND OAKS THOUSAND OAKS, CA SEPTEMBER 1982.

2. GENERAL REQUIREMENTS

A. SPEED HUMPS WILL BE 12' IN LENGTH AND WILL COVER THE ENTIRE STREET WIDTH WHILE MAINTAINING THE GUTTER LINE.

B. THE STANDARD HEIGHT OF A SPEED HUMP WILL BE 3 1/2" AT ITS HIGHEST POINT.

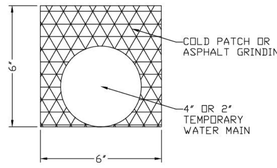
C. THE STREET SURFACE WILL BE MILLED TO A DEPTH OF 1" ON ALL SIDES EXTENDING 1.0' FROM THE PERIMETER INTO THE SPEED HUMP AREA. TACK COAT (BITUMINOUS PRIMING MATERIAL) TO BE APPLIED BEFORE THE SURFACE COURSE IS PLACED. BITUMINOUS CONCRETE SURFACE COURSE, MIXTURE D, CLASS I, TYPE 2 WILL BE USED AS THE SURFACE COURSE.

D. ADVANCED WARNING SIGNS WILL BE DONE BY THE CITY.

E. SPEED HUMPS SIMILAR TO THE SPECIFIED SPEED HUMPS THAT HAVE ALREADY BEEN INSTALLED IN THE CITY MAY BE VIEWED ON DOBSON STREET BETWEEN DODGE AVENUE AND ASBURY AVENUE.

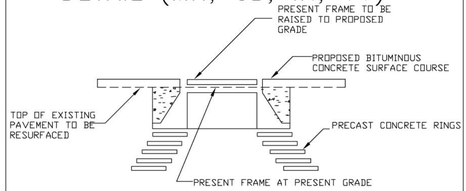
TEMPORARY WATER MAIN TRENCH

NOTE: TRENCHING TO BE USED AT STREET, ALLEY, SIDEWALK AND DRIVEWAY CROSSINGS

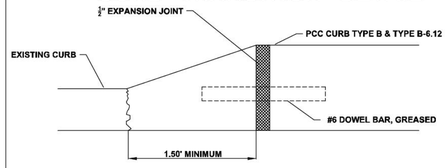


*ASPHALT GRINDINGS SHALL BE COMPACTED TO THE SATISFACTION OF THE ENGINEER

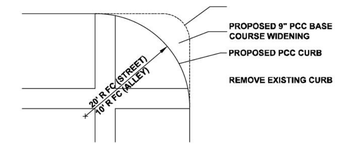
FRAME AND GRATE ADJUSTMENT DETAIL (MH, CB, IN, VV)



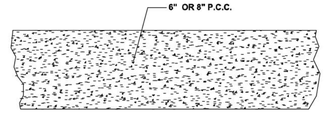
SECTION FOR CURB TRANSITION DETAIL



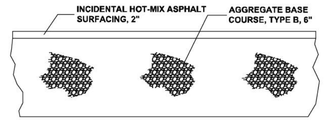
PLAN FOR INCREASING CURB RADIUS DETAIL



SECTION CONCRETE DRIVEWAY PAVEMENT DETAIL



SECTION HOT-MIX ASPHALT DRIVEWAY PAVEMENT DETAIL



REVISION	NO.	DATE
	1	
	2	
	3	
	4	

2024 WATER MAIN IMPROVEMENTS PROJECT
STATE STANDARDS AND DETAIL SHEET

SCALE
NTS

PROJECT NUMBER:
PW-WM-2401

BID NUMBER:
24-05

ISSUED FOR:
BID CONSTRUCTION

DATE: 02/05/2024

DESIGNED BY: AA

DRAWN BY: AA, BN

CHECKED BY: BN

SHEET
19 OF 24

REV. NO.	DATE	DRWN	CHKD	REMARKS

DESIGNED BY: A. SHABAN
DRAWN BY: D. CLAYTON
SHEET CHK'D BY: A. SHABAN
CROSS CHK'D BY: D. TANZI
APPROVED BY: X
DATE: JANUARY 2025

CDM Smith
125 South Wacker Drive, Suite 2510
Chicago, IL 60606
Tel: (312) 346-5000
IL COA No. 184-001297

CITY OF EVANSTON
2025 PRIORITIZED WATERMAIN AND LEAD WATER SERVICE LINE REPLACEMENT PROJECT

CITY OF EVANSTON
DETAILS III

PROJECT NO. 1667-265896
FILE NAME: CZ03NFDT

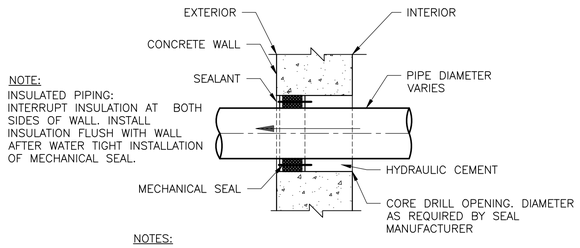
SHEET NO.
CZ-3

ISSUED FOR BID

XREFs: [CDMS_2234] Images: []
Last saved by: BRUCENB Time: 1/28/2025 11:13:50 AM
p:\w\cdmsmith-a202-pw.bentley.com:pw_p1\1667\265896\04 Design Services NM_30%\02 Civil\10 BIM/CADD\CZ07NFDT.dwg
© 2025 CDM SMITH ALL RIGHTS RESERVED.
REUSE OF DOCUMENTS: THESE DOCUMENTS AND DESIGNS PROVIDED BY PROFESSIONAL SERVICE, INCORPORATED HEREIN, ARE THE PROPERTY OF CDM SMITH AND ARE NOT TO BE USED, IN WHOLE OR PART, FOR ANY OTHER PROJECT WITHOUT THE WRITTEN AUTHORIZATION OF CDM SMITH.

GENERAL WATER SERVICE REPLACEMENT NOTES:

1. CONTRACTOR SHALL COORDINATE ALL SERVICE LINE REPLACEMENT ACTIVITIES WITH THE ENGINEER AND PROPERTY OWNER PRIOR TO COMMENCING SERVICE LINE REPLACEMENT WORK. CONTRACTOR MAY ONLY WORK ON PRIVATE PROPERTY WHERE A SIGNED RIGHT OF ENTRY IS ON FILE FROM THE PROPERTY OWNER. CONTRACTOR MUST OBTAIN EXECUTED PROPERTY OWNER AGREEMENT FORM FOR PERMISSION TO WORK ON PRIVATE PROPERTY BEFORE COMMENCING ANY CONSTRUCTION WORK.
2. THE DETAILS PRESENTED HEREIN REPRESENT TYPICAL CONDITIONS AND WATER SERVICE CONNECTION REPLACEMENT. EACH LOCATION WILL VARY.
3. CONTRACTOR SHALL RESTORE ALL SURFACE FEATURES AND LANDSCAPING EQUAL TO OR BETTER THAN EXISTING CONDITIONS FOLLOWING COMPLETION OF THE WORK.
4. EXISTING WATER SERVICE (WS) AND SEWER DRAIN (SD) MAY BE LOCATED IN CLOSE PROXIMITY AND/OR THE SAME TRENCH. CONTRACTOR SHALL MEET THE REQUIREMENTS OF THE STATE OF ILLINOIS PLUMBING CODE AND ASSOCIATED VARIANCES IN PLACE WHEN REPLACING WATER SERVICE CONSIDERING THE LOCATION OF THE EXISTING SEWER SERVICE.
5. THE LOCATION OF WATER SERVICE ALIGNMENT SHALL BE DETERMINED BY THE CONTRACTOR'S LICENSED PLUMBER. ALL WORK ON THE WATER SERVICE SHALL BE PERFORMED BY THE CONTRACTOR'S LICENSED PLUMBER.
6. WHEN PERFORMING WORK INSIDE A RESIDENCE, CONTRACTOR SHALL TAKE ALL PRECAUTIONS TO MINIMIZE DEBRIS IN THE IMMEDIATE WORK AREA AS AGREED TO WITH THE PROPERTY OWNER.
7. IN THE EVENT CONTRACTOR IS REQUIRED TO DISTURB EXISTING CONCRETE, CONTRACTOR SHALL TAKE PRECAUTIONS NECESSARY TO CONTROL AND MINIMIZE CONCRETE DUST.
8. WHEN THE CONTRACTOR DETERMINES THAT TRENCHLESS INSTALLATION IS NOT FEASIBLE, CONTRACTOR SHALL SEEK ENGINEER APPROVAL FOR OPEN CUT INSTALLATION, OR A COMBINATION OF OPEN CUT AND TRENCHLESS METHODS.
9. CONTRACTOR SHALL NOT INSTALL ANY INTERMEDIATE FITTINGS OR COUPLINGS OTHER THAN THOSE SHOWN IN THE CONTRACT DOCUMENTS UNLESS APPROVED BY ENGINEER.
10. CONTRACTOR SHALL REPAIR THE CONCRETE FLOOR OR WALL, BUT WILL NOT RESTORE FINISHED SURFACES SUCH AS DRYWALL, RE-TILE, OR PERFORM OTHER FINAL FINISHED RESTORATION. SHOULD TOILETS, HOT WATER TANKS, OR OTHER INTERIOR UTILITY FEATURES BE REMOVED TO PERFORM THE WORK, CONTRACTOR SHALL REINSTALL THOSE ITEMS FOLLOWING COMPLETION OF THE WORK.
11. CONTRACTOR SHALL CHECK ALL FIXTURES FOR WATER PRESSURE AND TEMPERATURE BEFORE AND AFTER WATER SERVICE WORK TO ENSURE FUNCTIONALITY IS RESTORED TO PRECONSTRUCTION CONDITIONS. THIS WORK WILL NOT BE PAID FOR SEPARATELY.

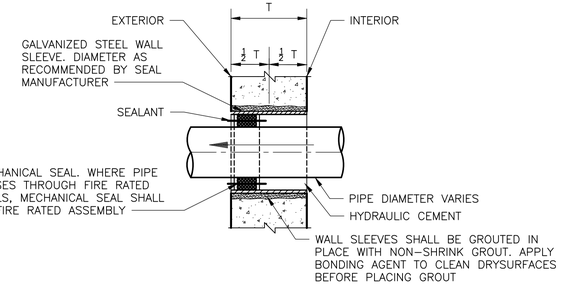


NOTE:
INSULATED PIPING:
INTERRUPT INSULATION AT BOTH SIDES OF WALL. INSTALL INSULATION FLUSH WITH WALL AFTER WATER TIGHT INSTALLATION OF MECHANICAL SEAL.

NOTES:

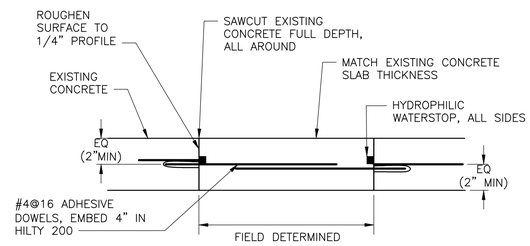
1. IN LIEU OF MECHANICAL SEALS, NON-SHRINK GROUT, AS SPECIFIED, FILLING ALL VOIDS MAY BE USED FOR CONCRETE WALLS.

CORE DRILLED OPENING AND MECHANICAL SEAL PENETRATION THROUGH EXISTING CONCRETE



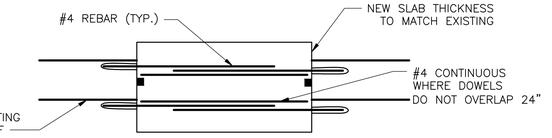
WALL SLEEVE WITH MECHANICAL SEAL, BRICK CMU OR CAVITY WALLS

DETAIL A
NTS

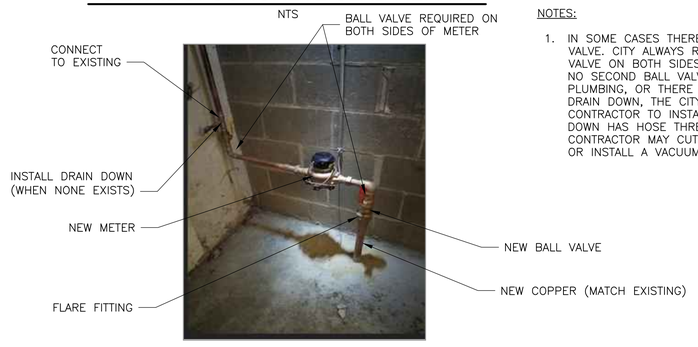


NOTES:

1. HYDROPHILIC WATERSOP SHALL BE SIKA CORPORATION HYDROTITE PRODUCT CJ-1020-2K-ADH, AND SHALL BE APPLIED TO EXISTING CONCRETE IN ACCORDANCE WITH MANUFACTURER'S INSTRUCTIONS



DETAIL B: CONCRETE SLAB REPAIR



NOTES:

1. IN SOME CASES THERE IS ONLY ONE BALL VALVE. CITY ALWAYS REQUIRES A BALL VALVE ON BOTH SIDES OF THE METER. IF NO SECOND BALL VALVE TO THE INTERIOR PLUMBING, OR THERE IS NO EXISTING DRAIN DOWN, THE CITY REQUIRES THE CONTRACTOR TO INSTALL. IF A DRAIN DOWN HAS HOSE THREADS, THE CONTRACTOR MAY CUT OFF THE THREADS OR INSTALL A VACUUM BREAKER.

DETAIL C: METER INSTALLATION
NTS

XREFs: [CDMS_2234] Images: [Meter Detail]
Last saved by: CLAYTONJD Time: 1/24/2025 6:59:22 AM
pw:\\cdmsmith-az02-pw.bentley.com:pw_pi1\1667\265896\04 Design Services NM_30%\02 Civil\10 BIM/CADD\CZ04NFDT.dwg
©2025 CDM SMITH ALL RIGHTS RESERVED.
REUSE OF DOCUMENTS: THESE DOCUMENTS AND DESIGNS PROVIDED BY PROFESSIONAL SERVICE, INCORPORATED HEREIN, ARE THE PROPERTY OF CDM SMITH AND ARE NOT TO BE USED, IN WHOLE OR PART, FOR ANY OTHER PROJECT WITHOUT THE WRITTEN AUTHORIZATION OF CDM SMITH.

REV. NO.	DATE	DRWN	CHKD	REMARKS

DESIGNED BY: A. SHABAN
DRAWN BY: D. CLAYTON
SHEET CHK'D BY: A. SHABAN
CROSS CHK'D BY: D. TANZI
APPROVED BY: X
DATE: JANUARY 2025

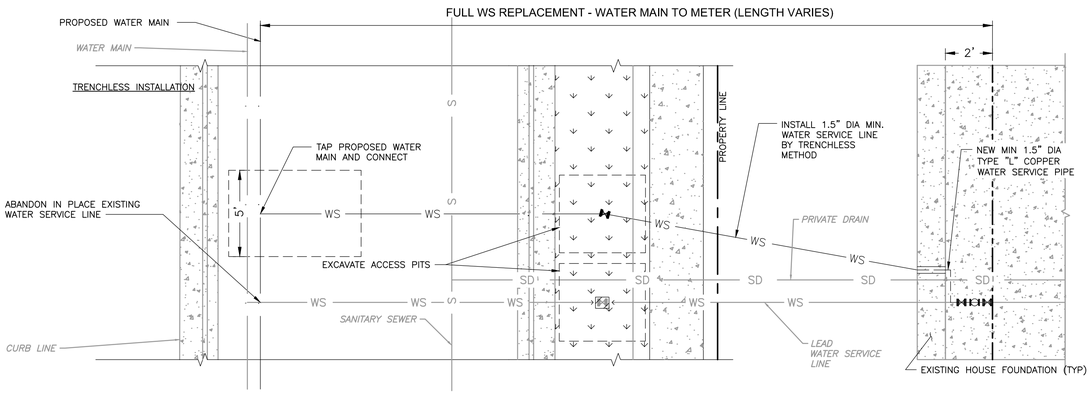
CDM Smith
125 South Wacker Drive, Suite 2510
Chicago, IL 60606
Tel: (312) 346-5000
IL COA No. 184-001297

CITY OF EVANSTON
2025 PRIORITIZED WATERMAIN AND LEAD WATER SERVICE LINE REPLACEMENT PROJECT

CITY OF EVANSTON
DETAILS IV

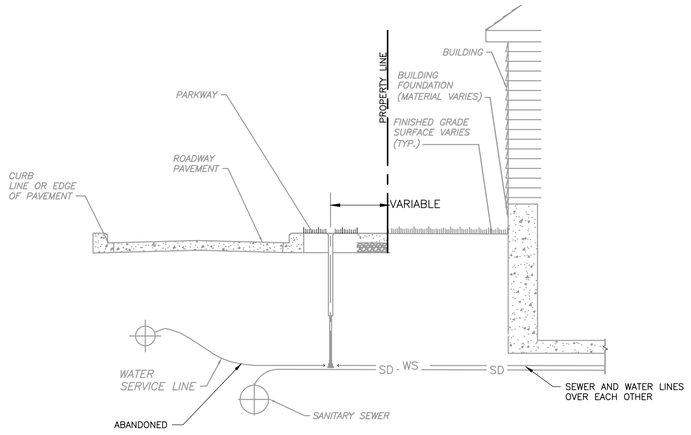
PROJECT NO. 1667-265896
FILE NAME: CZ04NFDT
SHEET NO.
CZ-4

ISSUED FOR BID

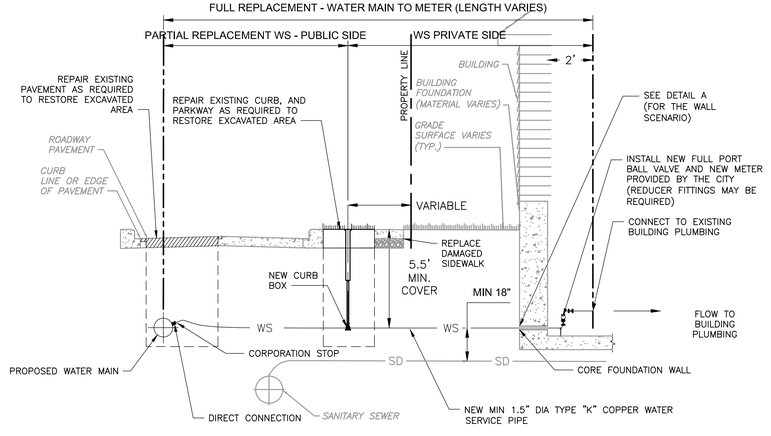


KEYNOTES

1. SEE DETAILS FOR PAVEMENT REPAIR.
2. WHEN PRACTICABLE, MAINTAIN SEWER SEPARATION IN ACCORDANCE WITH TITLE 77 III ADM. CODE SECTION 890.1150 OF THE PLUMBING CODE (LATEST EDITION).
3. THE EXISTING WATER SERVICE SHALL BE ABANDONED AT THE WATER MAIN.
4. CONTRACTOR SHALL CORE NEW OPENING IN WALL (AS SHOWN) OR SAW CUT FLOOR AND REPAIR (TYP. SHOWN IN WS DETAIL A AND B). SITE SPECIFIC CONDITIONS WILL DETERMINE WHICH ENTRY CONDITION APPLIES. REPAIR ENTRY LOCATION WITH WATERTIGHT SEAL AS SPECIFIED FOR NEW PENETRATIONS REQUIRED TO REPLACE WATER SERVICE LINE.
5. WHEN PREPARING TO CROSS ANY UTILITY USING TRENCHLESS METHODS, CONTRACTOR SHALL POTHOLE AND EXPOSE UTILITY AND ONLY FILL HOLE FOLLOWING COMPLETION OF THE INSTALLATION OF THE WATER SERVICE OR WHEN APPROVED BY THE ENGINEER AT LOCATIONS REQUIRED BY OWNING UTILITY OR ENGINEER.
6. SEWER DRAIN MAY BE ON THE OTHER SIDE OF WS.
7. FOR PARTIAL REPLACEMENT TO LEAD WS (WS PRIVATE SIDE), SEE SPECIFICATIONS FOR RECONNECTING TO EXISTING LEAD WS.
8. IF MINIMUM DEPTH AT CROSSING OF WS AND SD CANNOT BE ACHIEVED, CONTRACTOR TO SUGGEST ALTERNATE METHOD TO ENGINEER FOR APPROVAL.



TYPICAL EXISTING WATER SERVICE PROFILE



TYPICAL TRENCHLESS WATER SERVICE CONNECTION

SCHEMATIC PLAN AND SECTION

NTS

REV. NO.	DATE	DRWN	CHKD	REMARKS

DESIGNED BY: A. SHABAN
DRAWN BY: D. CLAYTON
SHEET CHK'D BY: A. SHABAN
CROSS CHK'D BY: D. TANZI
APPROVED BY: X
DATE: JANUARY 2025

CDM Smith
125 South Wacker Drive, Suite 2510
Chicago, IL 60606
Tel: (312) 346-5000
IL COA No. 184-001297

CITY OF EVANSTON
2025 PRIORITIZED WATERMAIN AND LEAD WATER SERVICE LINE REPLACEMENT PROJECT

CITY OF EVANSTON
DETAILS V

PROJECT NO. 1667-265896
FILE NAME: CZ05NFDT
SHEET NO.
CZ-5

ISSUED FOR BID

XREFs: [CDMS_2234] Images: []
Last saved by: BRUCENB Time: 1/28/2025 11:13:52 AM
pw:\\cdmsmith-az02-pw.bentley.com:pw_p11\166?\265896\04 Design Services NM_30%\02 Civil\10 BIM/CADD\CZ07NFDT.dwg
©2025 CDM SMITH ALL RIGHTS RESERVED.
REUSE OF DOCUMENTS: THESE DOCUMENTS AND DESIGNS PROVIDED BY PROFESSIONAL SERVICE, INCORPORATED HEREIN, ARE THE PROPERTY OF CDM SMITH AND ARE NOT TO BE USED, IN WHOLE OR PART, FOR ANY OTHER PROJECT WITHOUT THE WRITTEN AUTHORIZATION OF CDM SMITH.

A. REFERENCED SPECIFICATIONS

1. ALL CONSTRUCTION SHALL BE IN ACCORDANCE WITH THE APPLICABLE SECTIONS OF THE FOLLOWING, EXCEPT AS MODIFIED HEREIN OR ON THE PLANS:
   * STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION (LATEST EDITION), BY THE ILLINOIS DEPARTMENT OF TRANSPORTATION (IDOT SS) FOR ALL IMPROVEMENTS EXCEPT SANITARY SEWER AND WATER MAIN CONSTRUCTION;
   * STANDARD SPECIFICATIONS FOR WATER AND SEWER MAIN CONSTRUCTION IN ILLINOIS, LATEST EDITION (SSWS) FOR SANITARY SEWER AND WATER MAIN CONSTRUCTION;
   * CITY OF EVANSTON MUNICIPAL CODE;
   * THE METROPOLITAN WATER RECLAMATION DISTRICT OF GREATER CHICAGO (MWRD) WATERSHED MANAGEMENT ORDINANCE AND TECHNICAL GUIDANCE MANUAL;
   * IN CASE OF CONFLICT BETWEEN THE APPLICABLE ORDINANCES NOTED, THE MORE STRINGENT SHALL TAKE PRECEDENCE AND SHALL CONTROL ALL CONSTRUCTION.

B. NOTIFICATIONS

1. THE MWRD LOCAL SEWER SYSTEMS SECTION FIELD OFFICE MUST BE NOTIFIED AT LEAST TWO (2) WORKING DAYS PRIOR TO THE COMMENCEMENT OF ANY WORK (CALL 708-588-4055 OR SEND EMAIL NOTIFICATION WITH PROJECT NAME, LOCATION AND PERMIT NUMBER TO WMOJOBSTART@MWRD.ORG).
2. THE CITY OF EVANSTON ENGINEERING DEPARTMENT AND PUBLIC MUST BE NOTIFIED AT LEAST 24 HOURS PRIOR TO THE START OF CONSTRUCTION AND PRIOR TO EACH PHASE OF WORK. CONTRACTOR SHALL DETERMINE ITEMS REQUIRING INSPECTION PRIOR TO START OF CONSTRUCTION OR EACH WORK PHASE.
3. THE CONTRACTOR SHALL NOTIFY ALL UTILITY COMPANIES PRIOR TO BEGINNING CONSTRUCTION FOR THE EXACT LOCATIONS OF UTILITIES AND FOR THEIR PROTECTION DURING CONSTRUCTION. IF EXISTING UTILITIES ARE ENCOUNTERED THAT CONFLICT IN LOCATION WITH NEW CONSTRUCTION, IMMEDIATELY NOTIFY THE ENGINEER SO THAT THE CONFLICT CAN BE RESOLVED. CALL J.U.L.I.E. AT 1-800-892-0123.

C. GENERAL NOTES

1. ALL ELEVATIONS SHOWN ON PLANS REFERENCE THE NORTH AMERICAN VERTICAL DATUM OF 1988 (NAVD88). CONVERSION FACTOR IS 579.70=0 FT. CITY OF EVANSTON DATUM, 579.70=0.00; CCD=579.88.
2. MWRD, THE MUNICIPALITY AND THE OWNER OR OWNER'S REPRESENTATIVE SHALL HAVE THE AUTHORITY TO INSPECT, APPROVE, AND REJECT THE CONSTRUCTION IMPROVEMENTS.
3. THE CONTRACTOR(S) SHALL INDEMNIFY THE OWNER, ENGINEER, MUNICIPALITY, MWRD, AND THEIR AGENTS, ETC., FROM ALL LIABILITY INVOLVED WITH THE CONSTRUCTION, INSTALLATION, OR TESTING OF THIS WORK ON THE PROJECT.
4. THE PROPOSED IMPROVEMENTS MUST BE CONSTRUCTED IN ACCORDANCE WITH THE ENGINEERING PLANS AS APPROVED BY MWRD AND THE MUNICIPALITY UNLESS CHANGES ARE APPROVED BY MWRD, THE MUNICIPALITY, OR AUTHORIZED AGENT. THE CONSTRUCTION DETAILS, AS PRESENTED ON THE PLANS, MUST BE FOLLOWED. PROPER CONSTRUCTION TECHNIQUES MUST BE FOLLOWED ON THE IMPROVEMENTS INDICATED ON THE PLANS.
5. THE LOCATION OF VARIOUS UNDERGROUND UTILITIES WHICH ARE SHOWN ON THE PLANS ARE FOR INFORMATION ONLY AND REPRESENT THE BEST KNOWLEDGE OF THE ENGINEER. VERIFY LOCATIONS AND ELEVATIONS PRIOR TO BEGINNING THE CONSTRUCTION OPERATIONS.
6. ANY EXISTING PAVEMENT, SIDEWALK, DRIVEWAY, ETC., DAMAGED DURING CONSTRUCTION OPERATIONS AND NOT CALLED FOR TO BE REMOVED SHALL BE REPLACED AT THE EXPENSE OF THE CONTRACTOR.
7. MATERIAL AND COMPACTION TESTING SHALL BE PERFORMED IN ACCORDANCE WITH THE REQUIREMENTS OF THE MUNICIPALITY, MWRD, AND OWNER.
8. THE UNDERGROUND CONTRACTOR SHALL MAKE ALL NECESSARY ARRANGEMENTS TO NOTIFY ALL INSPECTION AGENCIES.
9. ALL NEW AND EXISTING UTILITY STRUCTURES ON SITE AND IN AREAS DISTURBED DURING CONSTRUCTION SHALL BE ADJUSTED TO FINISH GRADE PRIOR TO FINAL INSPECTION.
10. RECORD DRAWINGS SHALL BE KEPT BY THE CONTRACTOR AND SUBMITTED TO THE ENGINEER AS SOON AS UNDERGROUND IMPROVEMENTS ARE COMPLETED. FINAL PAYMENTS TO THE CONTRACTOR SHALL BE HELD UNTIL THEY ARE RECEIVED. ANY CHANGES IN LENGTH, LOCATION OR ALIGNMENT SHALL BE SHOWN IN RED. ALL WYES OR BENDS SHALL BE LOCATED FROM THE DOWNSTREAM MANHOLE. ALL VALVES, B-BOXES, TEES OR BENDS SHALL BE TIED TO A FIRE HYDRANT.

D. SANITARY SEWER

1. THE CONTRACTOR SHALL TAKE MEASURES TO PREVENT ANY POLLUTED WATER, SUCH AS GROUND AND SURFACE WATER, FROM ENTERING THE EXISTING SANITARY SEWERS.
2. A WATER-TIGHT PLUG SHALL BE INSTALLED IN THE DOWNSTREAM SEWER PIPE AT THE POINT OF SEWER CONNECTION PRIOR TO COMMENCING ANY SEWER CONSTRUCTION. THE PLUG SHALL REMAIN IN PLACE UNTIL REMOVAL IS AUTHORIZED BY THE MUNICIPALITY AND/OR MWRD AFTER THE SEWERS HAVE BEEN TESTED AND ACCEPTED.
3. DISCHARGING ANY UNPOLLUTED WATER INTO THE SANITARY SEWER SYSTEM FOR THE PURPOSE OF SEWER FLUSHING OF LINES FOR THE DEFLECTION TEST SHALL BE PROHIBITED WITHOUT PRIOR APPROVAL FROM THE MUNICIPALITY OR MWRD.
4. ALL SANITARY SEWER CONSTRUCTION SHALL BE IN ACCORDANCE WITH THE STANDARD SPECIFICATIONS FOR WATER AND SEWER MAIN CONSTRUCTION IN ILLINOIS (LATEST EDITION).
5. ALL FLOOR DRAINS SHALL DISCHARGE TO THE SANITARY SEWER SYSTEM.
6. ALL DOWNSPOUTS AND FOOTING DRAINS SHALL DISCHARGE TO THE STORM SEWER SYSTEM.
7. ALL SANITARY SEWER PIPE MATERIALS AND JOINTS (AND STORM SEWER PIPE MATERIALS AND JOINTS IN A COMBINED SEWER AREA) SHALL CONFORM TO THE FOLLOWING:

PIPE MATERIAL	PIPE SPECIFICATIONS	JOINT SPECIFICATIONS
VITRIFIED CLAY PIPE	ASTM C-700	ASTM C-425
REINFORCED CONCRETE SEWER PIPE	ASTM C-76	ASTM C-443
CAST IRON SOIL PIPE	ASTM A-74	ASTM C-564
DUCTILE IRON PIPE	ANSI A21.51	ANSI A21.11
POLYVINYL CHLORIDE (PVC) PIPE 6-INCH TO 15-INCH DIAMETER SDR 26 18-INCH TO 27-INCH DIAMETER F/DY=46	ASTM D-3034 ASTM F-679	ASTM D-3212 ASTM D-3212
HIGH DENSITY POLYETHYLENE (HDPE)	ASTM D-3350 ASTM D-3035	ASTM D-3261,F-2620 (HEAT FUSION) ASTM D-3212,F-477 (GASKETED)
WATER MAIN QUALITY PVC 4-INCH TO 36-INCH 4-INCH TO 12-INCH 14-INCH TO 48-INCH	ASTM D-2241 AWWA C900 AWWA C905	ASTM D-3139 ASTM D-3139 ASTM D-3139

THE FOLLOWING MATERIALS ARE ALLOWED ON A QUALIFIED BASIS SUBJECT TO DISTRICT REVIEW AND APPROVAL PRIOR TO PERMIT ISSUANCE. A SPECIAL CONDITION WILL BE ADDED TO THE PERMIT WHEN THE PIPE MATERIAL BELOW IS USED FOR SEWER CONSTRUCTION OR A CONNECTION IS MADE.

PIPE MATERIAL	PIPE SPECIFICATIONS	JOINT SPECIFICATIONS
POLYPROPYLENE (PP) PIPE		
12-INCH TO 24-INCH DOUBLE WALL	ASTM F-2736	D-3212, F-477
30-INCH TO 60-INCH TRIPLE WALL	ASTM F-2764	D3212, F-477

8. ALL SANITARY SEWER CONSTRUCTION (AND STORM SEWER CONSTRUCTION IN COMBINED SEWER AREAS), REQUIRES STONE BEDDING WITH STONE ¼ " TO 1" IN SIZE, WITH MINIMUM BEDDING THICKNESS EQUAL TO ¼ THE OUTSIDE DIAMETER OF THE SEWER PIPE, BUT NOT LESS THAN FOUR (4) INCHES NOR MORE THAN EIGHT (8) INCHES. MATERIAL SHALL BE CA-7, CA-11 OR CA-13 AND SHALL BE EXTENDED AT LEAST 12" ABOVE THE TOP OF THE PIPE WHEN USING PVC.
9. NON-SHEAR FLEXIBLE-TYPE COUPLINGS SHALL BE USED IN THE CONNECTION OF SEWER PIPES OF DISSIMILAR PIPE MATERIALS.
10. ALL MANHOLES SHALL BE PROVIDED WITH BOLTED, WATERTIGHT COVERS. SANITARY LIDS SHALL BE CONSTRUCTED WITH A CONCEALED PICKHOLE AND WATERTIGHT GASKET WITH THE WORD "SANITARY" CAST INTO THE LID.
11. WHEN CONNECTING TO AN EXISTING SEWER MAIN BY MEANS OTHER THAN AN EXISTING WYE, TEE, OR AN EXISTING MANHOLE, ONE OF THE FOLLOWING METHODS SHALL BE USED:
    a) A CIRCULAR SAW-CUT OF SEWER MAIN BY PROPER TOOLS ("SHEWER-TAP" MACHINE OR SIMILAR) AND PROPER INSTALLATION OF HUBWYE SADDLE OR HUB-TEE SADDLE.
    b) REMOVE AN ENTIRE SECTION OF PIPE (BREAKING ONLY THE TOP OF ONE BELL) AND REPLACE WITH A WYE OR TEE BRANCH SECTION.
    c) WITH PIPE CUTTER, NEATLY AND ACCURATELY CUT OUT DESIRED LENGTH OF PIPE FOR INSERTION OF PROPER FITTING, USING "BAND SEAL" OR SIMILAR COUPLINGS TO HOLD IT FIRMLY IN PLACE.
12. WHENEVER A SANITARY/COMBINED SEWER CROSSES UNDER A WATERMAIN, THE MINIMUM VERTICAL DISTANCE FROM THE TOP OF THE SEWER TO THE BOTTOM OF THE WATERMAIN SHALL BE 18 INCHES. FURTHERMORE, A MINIMUM HORIZONTAL DISTANCE OF 10 FEET BETWEEN SANITARY/COMBINED SEWERS AND WATERMAINS SHALL BE MAINTAINED UNLESS: THE SEWER IS LAID IN A SEPARATE TRENCH, KEEPING A MINIMUM 18" VERTICAL SEPARATION; OR THE SEWER IS LAID IN THE SAME TRENCH WITH THE WATERMAIN LOCATED AT THE OPPOSITE SIDE ON A BENCH OF UNDISTURBED EARTH, KEEPING A MINIMUM 18" VERTICAL SEPARATION. IF EITHER THE VERTICAL OR HORIZONTAL DISTANCES DESCRIBED CANNOT BE MAINTAINED, OR THE SEWER CROSSES ABOVE THE WATER MAIN, THE SEWER SHALL BE CONSTRUCTED TO WATER MAIN STANDARDS OR IT SHALL BE ENCASED WITH A WATER MAIN QUALITY CARRIER PIPE WITH THE ENDS SEALED.
13. ALL EXISTING SEPTIC SYSTEMS SHALL BE ABANDONED. ABANDONED TANKS SHALL BE FILLED WITH GRANULAR MATERIAL OR REMOVED.
14. ALL SANITARY MANHOLES, (AND STORM MANHOLES IN COMBINED SEWER AREAS), SHALL HAVE A MINIMUM INSIDE DIAMETER OF 48 INCHES, AND SHALL BE CAST IN PLACE OR PRE-CAST REINFORCED CONCRETE.
15. ALL SANITARY MANHOLES, (AND STORM MANHOLES IN COMBINED SEWER AREAS), SHALL HAVE PRECAST "RUBBER BOOTS" THAT CONFORM TO ASTM C-923 FOR ALL PIPE CONNECTIONS. PRECAST SECTIONS SHALL CONSIST OF MODIFIED GROOVE TONGUE AND RUBBER GASKET TYPE JOINTS.
16. ALL ABANDONED SANITARY SEWERS SHALL BE PLUGGED AT BOTH ENDS WITH AT LEAST 2 FEET LONG NON-SHRINK CONCRETE OR MORTAR PLUG.
17. EXCEPT FOR FOUNDATION/FOOTING DRAINS PROVIDED TO PROTECT BUILDINGS, OR PERFORATED PIPES ASSOCIATED WITH VOLUME CONTROL FACILITIES, DRAIN TILES/FIELD TILES/UNDERDRAINS/PERFORATED PIPES ARE NOT ALLOWED TO BE CONNECTED TO OR TRIBUTARY TO COMBINED SEWERS, SANITARY SEWERS, OR STORM SEWERS TRIBUTARY TO COMBINED SEWERS IN COMBINED SEWER AREAS. CONSTRUCTION OF NEW FACILITIES OF THIS TYPE IS PROHIBITED; AND ALL EXISTING DRAIN TILES AND PERFORATED PIPES ENCOUNTERED WITHIN THE PROJECT AREA SHALL BE PLUGGED OR REMOVED, AND SHALL NOT BE CONNECTED TO COMBINED SEWERS, SANITARY SEWERS, OR STORM SEWERS TRIBUTARY TO COMBINED SEWERS.
18. A BACKFLOW PREVENTER IS REQUIRED FOR ALL DETENTION BASINS TRIBUTARY TO COMBINED SEWERS. REQUIRED BACKFLOW PREVENTERS SHALL BE INSPECTED AND EXERCISED ANNUALLY BY THE PROPERTY OWNER TO ENSURE PROPER OPERATION, AND ANY NECESSARY MAINTENANCES SHALL BE PERFORMED TO ENSURE FUNCTIONALITY. IN THE EVENT OF A SEWER SURCHARGE INTO AN OPEN DETENTION BASIN TRIBUTARY TO COMBINED SEWERS, THE PERMITTEE SHALL ENSURE THAT CLEAN UP AND WASH OUT OF SEWAGE TAKES PLACE WITHIN 48 HOURS OF THE STORM EVENT.

E. EROSION AND SEDIMENT CONTROL

1. THE CONTRACTOR SHALL INSTALL THE EROSION AND SEDIMENT CONTROL DEVICES AS SHOWN ON THE APPROVED EROSION AND SEDIMENT CONTROL PLAN.
2. EROSION AND SEDIMENT CONTROL PRACTICES SHALL BE FUNCTIONAL PRIOR TO HYDROLOGIC DISTURBANCE OF THE SITE.
3. ALL DESIGN CRITERIA, SPECIFICATIONS, AND INSTALLATION OF EROSION AND SEDIMENT CONTROL PRACTICES SHALL BE IN ACCORDANCE WITH THE ILLINOIS URBAN MANUAL.
4. A COPY OF THE APPROVED EROSION AND SEDIMENT CONTROL PLAN SHALL BE MAINTAINED ON THE SITE AT ALL TIMES.
5. INSPECTIONS AND DOCUMENTATION SHALL BE PERFORMED, AT A MINIMUM:
   a) UPON COMPLETION OF INITIAL EROSION AND SEDIMENT CONTROL MEASURES, PRIOR TO ANY SOIL DISTURBANCE.
   b) ONCE EVERY SEVEN (7) CALENDAR DAYS AND WITHIN 24 HOURS OF THE END OF A STORM EVENT WITH GREATER THAN 0.5 INCH OF RAINFALL OR LIQUID EQUIVALENT PRECIPITATION.
6. SOIL DISTURBANCE SHALL BE CONDUCTED IN SUCH A MANNER AS TO MINIMIZE EROSION. IF STRIPPING, CLEARING, GRADING, OR LANDSCAPING ARE TO BE DONE IN PHASES, THE CO-PERMITTEE SHALL PLAN FOR APPROPRIATE SOIL EROSION AND SEDIMENT CONTROL MEASURES.
7. A STABILIZED MAT OF CRUSHED STONE MEETING THE STANDARDS OF THE ILLINOIS URBAN MANUAL SHALL BE INSTALLED AT ANY POINT WHERE TRAFFIC WILL BE ENTERING OR LEAVING A CONSTRUCTION SITE. SEDIMENT OR SOIL REACHING AN IMPROVED PUBLIC RIGHT-OF-WAY, STREET, ALLEY OR PARKING AREA SHALL BE REMOVED BY SCRAPING OR STREET CLEANING AS ACCUMULATIONS WARRANT AND TRANSPORTED TO A CONTROLLED SEDIMENT DISPOSAL AREA.
8. CONCRETE WASHOUT FACILITIES SHALL BE CONSTRUCTED IN ACCORDANCE WITH THE ILLINOIS URBAN MANUAL AND SHALL BE INSTALLED PRIOR TO ANY ON SITE CONSTRUCTION ACTIVITIES INVOLVING CONCRETE.
9. MORTAR WASHOUT FACILITIES SHALL BE CONSTRUCTED IN ADDITION TO CONCRETE WASHOUT FACILITIES FOR ANY BRICK AND MORTAR BUILDING ENVELOPE CONSTRUCTION ACTIVITIES.
10. TEMPORARY DIVERSIONS SHALL BE CONSTRUCTED AS NECESSARY TO DIRECT ALL RUNOFF FROM HYDROLOGICALLY DISTURBED AREAS TO AN APPROPRIATE SEDIMENT TRAP OR BASIN. VOLUME CONTROL FACILITIES SHALL NOT BE USED AS TEMPORARY SEDIMENT BASINS.
11. DISTURBED AREAS OF THE SITE WHERE CONSTRUCTION ACTIVITIES HAVE TEMPORARILY OR PERMANENTLY CEASED SHALL BE STABILIZED WITH TEMPORARY OR PERMANENT MEASURES WITHIN SEVEN (7) DAYS.
12. ALL FLOOD PROTECTION AREAS AND VOLUME CONTROL FACILITIES SHALL, AT A MINIMUM, BE PROTECTED WITH A DOUBLE-ROW OF SILT FENCE (OR EQUIVALENT).
13. VOLUME CONTROL FACILITIES SHALL NOT BE CONSTRUCTED UNTIL ALL OF THE CONTRIBUTING DRAINAGE AREA HAS BEEN STABILIZED.
14. SOIL STOCKPILES SHALL, AT A MINIMUM, BE PROTECTED WITH PERIMETER SEDIMENT CONTROLS. SOIL STOCKPILES SHALL NOT BE PLACED IN FLOOD PROTECTION AREAS OR THEIR BUFFERS.
15. EARTHEN EMBANKMENT SIDE SLOPES SHALL BE STABILIZED WITH APPROPRIATE EROSION CONTROL BLANKET.
16. STORM SEWERS THAT ARE OR WILL BE FUNCTIONING DURING CONSTRUCTION SHALL BE PROTECTED BY APPROPRIATE SEDIMENT CONTROL MEASURES.
17. THE CONTRACTOR SHALL EITHER REMOVE OR REPLACE ANY EXISTING DRAIN TILES AND INCORPORATE THEM INTO THE DRAINAGE PLAN FOR THE DEVELOPMENT. DRAIN TILES CANNOT BE TRIBUTARY TO A SANITARY OR COMBINED SEWER. DRAIN TILES ALLOWED IN COMBINED SEWER AREA FOR GREEN INFRASTRUCTURE PRACTICES.
18. IF DEWATERING SERVICES ARE USED, ADJOINING PROPERTIES AND DISCHARGE LOCATIONS SHALL BE PROTECTED FROM EROSION AND SEDIMENTATION. DEWATERING SYSTEMS SHOULD BE INSPECTED DAILY DURING OPERATIONAL PERIODS. THE SITE INSPECTOR MUST BE PRESENT AT THE COMMENCEMENT OF DEWATERING ACTIVITIES.
19. THE CONTRCTOR SHALL BE RESPONSIBLE FOR TRENCH DEWATERING AND ENCAVATION FOR THE INSTALLATION OF SANITARY SEWERS, STORM SEWERS, WATERMAINS AS WELL AS THEIR SERVICES AND OTHER APPURTENANCES. ANY TRENCH DEWATERING, WHICH CONTAINS SEDIMENT SHALL PASS THROUGH A SEDIMENT SETTLING POND OR EQUALLY EFFECTIVE SEDIMENT CONTROL DEVICE. ALTERNATIVES MAY INCLUDE DEWATERING INTO A SUMP PIT, FILTER BAG OR EXISTING VEGETATED UPSLOPE AREA. SEDIMENT LADEN WATERS SHALL NOT BE DISCHARGE TO WATERWAYS, FLOOD PROTECTION AREAS OR THE COMBINED SEWER SYSTEM.
20. ALL PERMANENT EROSION CONTROL PRACTICES SHALL BE INITIATED WITHIN SEVEN (7) DAYS FOLLOWING THE COMPLETION OF SOIL DISTURBING ACTIVITIES.
21. ALL EROSION AND SEDIMENT CONTROL MEASURES SHALL BE MAINTAINED AND REPAIRED AS NEEDED ON A YEAR-ROUND BASIS DURING CONSTRUCTION AND ANY PERIODS OF CONSTRUCTION SHUTDOWN UNTIL PERMANENT STABILIZATION IS ACHIEVED.
22. ALL TEMPORARY EROSION AND SEDIMENT CONTROL MEASURES SHALL BE REMOVED WITHIN THIRTY (30) DAYS AFTER PERMANENT SITE STABILIZATION.
23. THE EROSION AND SEDIMENT CONTROL MEASURES SHOWN ON THE PLANS ARE THE MINIMUM REQUIREMENTS. ADDITIONAL MEASURES MAY BE REQUIRED, AS DIRECTED BY THE ENGINEER, SITE INSPECTOR, OR MWRD.

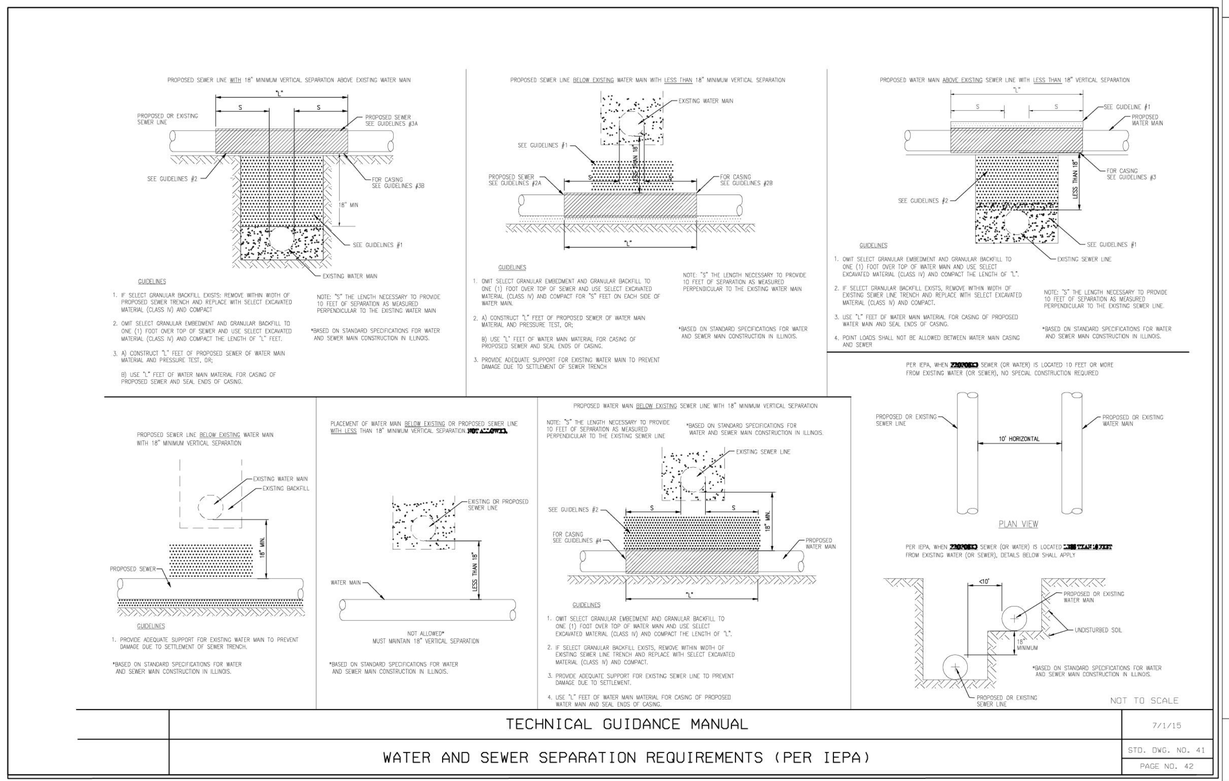
TECHNICAL GUIDANCE MANUAL

MWRD GENERAL NOTES

10/13/2022

STD. DWG. NO.18

PAGE NO. 19



TECHNICAL GUIDANCE MANUAL	7/1/15
WATER AND SEWER SEPARATION REQUIREMENTS (PER IEPA)	STD. DWG. NO. 41
	PAGE NO. 42

City of Evanston

NO.	DATE	REVISION
1		
2		
3		
4		

2024 WATER MAIN IMPROVEMENTS PROJECT
MWRD GEN. NOTES/IEPA REQUIREMENTS

SCALE
NTS

PROJECT NUMBER:
PW-WM-2401

BID NUMBER:
24-05

ISSUED FOR:
BID CONSTRUCTION

DATE: 02/05/2024

DESIGNED BY: AA

DRAWN BY: AA, BN

CHECKED BY: BN

SHEET
22 OF 24

REV. NO.	DATE	DRWN	CHKD	REMARKS

DESIGNED BY: A. SHABAN
DRAWN BY: D. CLAYTON
SHEET CHK'D BY: A. SHABAN
CROSS CHK'D BY: D. TANZI
APPROVED BY: X
DATE: JANUARY 2025

CDM Smith
125 South Wacker Drive, Suite 2510
Chicago, IL 60606
Tel: (312) 346-5000
IL COA No. 184-001297

CITY OF EVANSTON
2025 PRIORITIZED WATERMAIN AND LEAD WATER SERVICE LINE REPLACEMENT PROJECT

MWRD GENERAL NOTES

PROJECT NO. 1667-265896
FILE NAME: CZ06NFDT
SHEET NO.
CZ-6

ISSUED FOR BID

XREFs: [CDMS_2234] Images: []
Last saved by: BRUCENB Time: 1/28/2025 11:13:54 AM
pw:\\cdmsmith-azo2-pw.bentley.com:pw_pl1\1667\265896\04 Design Services NM_30%\02 Civil\10 BIM/CADD\CZ07NFDT.dwg
©2025 CDM SMITH ALL RIGHTS RESERVED.
REUSE OF DOCUMENTS: THESE DOCUMENTS AND DESIGNS PROVIDED BY PROFESSIONAL SERVICE, INCORPORATED HEREIN, ARE THE PROPERTY OF CDM SMITH AND ARE NOT TO BE USED, IN WHOLE OR PART, FOR ANY OTHER PROJECT WITHOUT THE WRITTEN AUTHORIZATION OF CDM SMITH.

XREFs: [CDMS_2234] Images: []
Last saved by: BRUCENB Time: 1/28/2025 11:13:55 AM
pw:\\cdmsmith-az02-pw.bentley.com:pw_p11\1667\265896\04 Design Services NM_308\02 Civil\10 BIM/CADD\CZ07NFDT.dwg
©2025 CDM SMITH ALL RIGHTS RESERVED.
REUSE OF DOCUMENTS: THESE DOCUMENTS AND DESIGNS PROVIDED BY PROFESSIONAL SERVICE, INCORPORATED HEREIN, ARE THE PROPERTY OF CDM SMITH AND ARE NOT TO BE USED, IN WHOLE OR PART, FOR ANY OTHER PROJECT WITHOUT THE WRITTEN AUTHORIZATION OF CDM SMITH.

X:\Public Works\Engineering\Engineers\FY 2024 PROJECTS\Water Main Improvements Projects\CAD\Sheet Files\Sheet 24 - DETAIL4.dwg

RAMPS IN LANDSCAPED AREA SETBACK 4.5'

RAMPS IN PAVED AREA SETBACK 4.5'

SECTION A-A

SECTION B-B

DETAIL A

SIDE CURB RETAIL

PERPENDICULAR CURB RAMPS FOR SIDEWALKS

STANDARD 424001-11

RAMP IN LANDSCAPED AREA SETBACK < 5'

RAMP IN PAVED AREA SETBACK < 5'

SECTION C-C

GENERAL NOTES

PERPENDICULAR CURB RAMPS FOR SIDEWALKS

STANDARD 424001-11

CLASS C

SECTION A-A

SECTION B-B

SECTION C-C

SECTION D-D

DETAIL OF SAWED CONTRACTION JOINT

CLASS D

SECTION A-A

SECTION B-B

SECTION C-C

SECTION D-D

SECTION E-E

SECT GR E-D

SECTION F-F

GENERAL NOTES

CLASS C and D PATCHES

STANDARD 442001-03

PLAN

SEGMENT TO TIE PAVEMENT OR PCC BASE COURSE

DEPRESSED CURB (TYPICAL)

EXPANSION JOINTS

DEPRESSED CURB ADJACENT TO CURB RAMP ACCESSIBLE TO THE DISABLED

BARRIER CURB

DRIVEWAY CURB

ADJACENT TO PCC BASE COURSE W/ 6 MIN DISPACING

GENERAL NOTES

CONCRETE CURB TYPE B AND COMBINATION CONCRETE CURB AND GUTTER

STANDARD 606001-06

PLAN

DEPRESSED CURB

BARRIER CURB

ADJACENT TO FLEXIBLE PAVEMENT

DEPRESSED CURB

RAISED CURB

ADJACENT TO PCC PAVEMENT OR PCC BASE COURSE

CONCRETE CURB TYPE B

ON SUITABLE SUBGRADE

ON UNSUITABLE SUBGRADE

ADJACENT TO FLEXIBLE PAVEMENT

CONCRETE CURB TYPE B AND COMBINATION CONCRETE CURB AND GUTTER

STANDARD 606001-06

SIGNS & DELINEATION

SYMBOLS

GENERAL NOTES

SIDEWALK CLOSURE

SIDEWALK, CORNER OR CROSSWALK CLOSURE

STANDARD 705991-06

CORNER CLOSURE

CROSSWALK CLOSURE

SIDEWALK, CORNER OR CROSSWALK CLOSURE

STANDARD 705991-06

DAY/TIME USE

DAY OR NIGHT/TIME USE

CONES

TUBULAR MARKER

VERTICAL PANEL

DRUM

TYPE I BARRICADE

TYPE II BARRICADE

TYPE III BARRICADE

DIRECTION INDICATOR BARRICADE

VERTICAL BARRICADE

DETECTABLE PEDESTRIAN CHANNELIZING BARRICADE

GENERAL NOTES

TRAFFIC CONTROL DEVICES

STANDARD 701901-09

POST MOUNTED SIGNS

WIDTH RESTRICTION SIGN

SIGNS ON TEMPORARY SUPPORTS

FLAGGER TRAFFIC CONTROL SIGN

HIGH LEVEL WARNING DEVICE

WORK LIMIT SIGNING

HIGHWAY CONSTRUCTION SPEED ZONE SIGNS

TRAFFIC CONTROL DEVICES

STANDARD 701901-09

TYPE A ROOF MOUNTED

TYPE B ROOF OR TRAILER MOUNTED

TYPE C TRAILER MOUNTED

ARROW BOARDS

PLAN

SECTION A-A

TEMPORARY RUMBLE STRIPS

TYPICAL INSTALLATION

TYPICAL APPLICATIONS OF TYPE III BARRICADES CLOSING A ROAD

TRAFFIC CONTROL DEVICES

STANDARD 701901-05

TWO-LANE/TWO-WAY

LANE REDUCTION TRANSITION

TWO-WAY LEFT TURN

MULTI-LANE/UNDIVIDED

MULTI-LANE/DIVIDED

TURN LANES

GENERAL NOTES

SYMBOLS

LANE MARKER NOTES

DESIGN NOTES

TYPICAL APPLICATIONS

STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION

BASED REFLECTIVE PAVEMENT MARKERS (SNOW-PLOW RESISTANT)

2-LANE ROADWAY

MULTI-LANE UNDIVIDED

MULTI-LANE DIVIDED WITH MEDIAN

TYPICAL LANE AND EDGE LINE MARKING

DETAIL "A"

DETAIL "B"

TYPICAL CROSSWALK MARKING

4' (1.2 m) RAISED MEDIAN ONLY

MEDIAN OVER 4' (1.2 m) WIDE

MEDIAN WITH TWO-WAY LEFT TURN LANE

TYPICAL PAINTED MEDIAN MARKING

TYPICAL LEFT (OR RIGHT) TURN LANE

TYPICAL LEFT TURN LANE MARKING

TYPICAL ISLAND MARKING

COMBINATION LEFT AND U-TURN

U-TURN

LANE REDUCTION TRANSITION

TYPE OF MARKING	WIDTH OF LINE	PATTERN	COLOR	SPACING / REMARKS
CROSSWALK ON A LANE BOUNDARY	6" (150)	SOLID	YELLOW	10' (3.0) MIN WITH 10' (3.0) GAPS
CROSSWALK ON A PLAZA OR ARTERIAL ROADWAY	12" (300)	SOLID	YELLOW	10' (3.0)
ALL THROUGH LANE LINES	4" (100)	SOLID	WHITE	10' (3.0)
	4" (100)	10'-30' (3.0-9.0) SKIP-DASH	WHITE	30' (9.0)
LANE LINES	4" (100)	10'-30' (3.0-9.0) SKIP-DASH	WHITE	10' (3.0) AND WITH 30' (9.0) SPACE
100' (30.0m) APPROACH TO RAMP, LANE OR RAMP GORE AREA	4" (100) AND 24" (600)	SOLID	WHITE	2" (600) AND TWO 6" (150) TO APEX
CURB LINES	4" (100)	SOLID	YELLOW (LEFT) WHITE (RIGHT)	WHITE PAVEMENT IN YELLOW
TURN LANE PAVEMENT	4" (100) (1'-0") (300) AT TRANSITION	SOLID	WHITE	SEE TYPICAL TURN LANE MARKING DETAIL
TWO-WAY LEFT TURN MARKING	4" (100) (1'-0") (300) AT TRANSITION	NON-SKIP DASH	YELLOW	10'-0" (3.0) 2'-0" (0.6) 10'-0" (3.0) BETWEEN SIDE LINES (1'-0") (0.6) BETWEEN SIDE LINES AT TRANSITION
PEDESTRIAN CROSS PAVEMENT MARKINGS (CROSSWALK LINES) (CONTINENTAL CROSSWALK)	6" (150)	SOLID	WHITE	SEE TYPICAL PAVEMENT MARKING DETAILS
STOP LINES	24" (600)	SOLID	WHITE	4'-0" (1.2) MIN WIDTH OF LANE OR APPROACH LANE
PARKING MEDIANS	6" (150) (4" (100) WITH 2" (50) CHARACTER)	SOLID	YELLOW (TWO-WAY TRAFFIC) WHITE (ONE-WAY TRAFFIC)	SEE TYPICAL PAVEMENT MARKING DETAILS
CURB, MEDIANS AND CHARACTER LINES	4" (100) WITH 12" (300) CHARACTER @ 90°	SOLID	WHITE	CHARACTER 2'-0" (0.6) LONG THAN SHARP (90 DEG) 1'-0" (0.3) LONG FOR OBTUSE (135 DEG) 3'-0" (0.9) LONG FOR ACUTE (45 DEG)
ROADWAY CROSSING	24" (600) TRANSVERSE	SOLID	WHITE	SEE PAVEMENT MARKING DETAILS
APPROACH TO CROSSWALK (PEDESTRIAN CROSSING) AT 90°	12" (300) AT 90°	10'-0" (3.0)	WHITE	10'-0" (3.0) 2'-0" (0.6) 10'-0" (3.0)
APPROACH TO CROSSWALK (PEDESTRIAN CROSSING) AT 45°	12" (300) AT 45°	10'-0" (3.0)	WHITE	10'-0" (3.0) 2'-0" (0.6) 10'-0" (3.0)
2 TURN STROKE	SEE DETAIL	SOLID	WHITE	AS A
1 ARROW CONSTRUCTION NOT AND A TURN	SEE DETAIL	SOLID	WHITE	AS A

SPEED	SPACING
20	40
25	50
30	60
35	70
40	80
45	90
50	100

TYPICAL PAVEMENT MARKINGS

STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION

DISTRICT ONE

TC-13

2024 WATER MAIN IMPROVEMENTS PROJECT
IDOT STANDARDS

NO.	DATE	REVISION
1		
2		
3		
4		

SCALE
NTS

PROJECT NUMBER:
PW-WM-2401

BID NUMBER:
24-05

ISSUED FOR:
BID CONSTRUCTION

DATE: 02/05/2024

DESIGNED BY: AA

DRAWN BY: AA, BN

CHECKED BY: BN

SHEET
24 OF 24

REV. NO.	DATE	DRWN	CHKD	REMARKS

DESIGNED BY: A. SHABAN
DRAWN BY: D. CLAYTON
SHEET CHK'D BY: A. SHABAN
CROSS CHK'D BY: D. TANZI
APPROVED BY: X
DATE: JANUARY 2025

CDM Smith
125 South Wacker Drive, Suite 2510
Chicago, IL 60606
Tel: (312) 346-5000
IL COA No. 184-001297

CITY OF EVANSTON
2025 PRIORITIZED WATERMAIN AND LEAD WATER SERVICE LINE REPLACEMENT PROJECT

IDOT DETAILS

PROJECT NO. 1667-265896
FILE NAME: CZ07NFDT

SHEET NO.
CZ-7

ISSUED FOR BID

Appendix 1 of Bid Doc 25-10: Viton Gasket Specification

P. O. BOX 568 ALABASTER, ALABAMA 35007 PHONE 205/663-2521

POLYMER	COMMON USES
SBR	Fresh water, salt water, sanitary sewage
EPDM	Dilute acids, dilute alkalis, ketones (MEK, acetone), alcohols, fresh water, salt water, sanitary sewage, vegetable oil, elevated temperatures.
NEOPRENE	Fresh water, salt water, sanitary sewage, greasy waste.
NITRILE	Refined petroleum oils and fluids, fats, greases, water, sanitary sewage.
FKM	Most chemicals and solvents, aromatic hydrocarbons and fuels, chlorinated hydrocarbons, high temperatures.

MAXIMUM TEMPERATURE RATINGS

POLYMER	WATER AND SEWAGE	AIR* **	
	Push-on or MJ	Push-on	MJ
SBR	150°F	150°F	125°F
EPDM	250°F	200°F	150°F
NEOPRENE	200°F	180°F	150°F
NITRILE	150°F	150°F	125°F
FKM	300°F	300°F	300°F

*Lubricating oil in the air will adversely affect SBR and EPDM performance.
**SBR, Nitrile, or Neoprene is not recommended for air exposure in wastewater treatment systems.

Temperatures above the recommended maximums can be tolerated for short periods of time without immediate deterioration. However, life expectancy will be shortened as the time at elevated temperatures is increased.

Since there are so many application variables outside our control or knowledge, we cannot offer any specific life expectancy for gaskets.

Regardless of the type polymer used, Specification Rubber Products produces all gaskets to meet the requirements of ANSI/AWWA C111/A21.11 unless customer specifications require something different. On the basis of currently available information and test results, we believe all our gasket materials will provide satisfactory service in water containing a maximum of 5mg/L of chloramine. There currently exists no standard method to determine suitable resistance to chloramine and the effect of long term exposure (10+ years) is not known.

1/20/04

INTERRA
Engineering • Inspection • Testing

600 Territorial Drive, Suite G
Bolingbrook, IL 60440

p: 630-754-8700
f: 630-754-8705

Interra Project No: 9826

01/24/2025

Ms. Bridget Nash, PE
Capital Planning & Engineering
Public Works Agency
City of Evanston
2100 Ridge Avenue
Evanston, IL 60201

Environmental Report

2025 Water Main Improvement Projects
Hartrey Avenue from Church Street to Emerson Street
City of Evanston, Cook County, Illinois

Dear Ms. Nash:

Interra, Inc. (INTERRA) is pleased to submit this report on environmental sampling and analytical testing performed at the above referenced project in Evanston, Illinois. We understand that the purpose of the investigation is to aid in soil management during construction.

Scope of Work

The scope of work included review of readily available historical documents to identify past land use and selection of parameters for analytical testing; collection of four (4) soil samples for analytical testing; and determination of soil management options based on analytical test results.

Historical Document Review

A review of the Federal, State and Local databases was performed to identify past land use and recognized environmental conditions on or near the property. Potentially Impacted Properties (PIP) identified in the vicinity of the site included Leaking Underground Storage Tanks (LUST), Site Remediation Program (SRP), Institutional Control, and spills. Historical reports reviewed are included in Appendix A.

Field Work

Boreholes for collecting environmental sample were located in the field by INTERRA. The drilling sub-contractor, Geocon Professional Services (GEOCON) obtained underground utility clearances prior to drilling. Drilling was performed on 12/16/2024. Soil sampling was performed at 2.5-foot intervals up to the planned exploration depth of 10 feet. Soil sampling was performed using decontaminated split-spoon sampler. All soil samples were field screened using a Minirae 2020 Plus (photoionization detector) to aid in sample selection for analytical testing. Field screening did not indicate the presence of VOC contamination. Sample Location Map is presented in Appendix B of this report.

Soil grab samples for environmental analysis were chosen between the 0.0 to 5.0 feet interval. INTERRA collected and preserved the environmental soil sample in accordance with applicable SW 846 methods and transported them to the NELAC accredited Suburban Laboratories for analytical testing.

Analytical Testing

The soil samples were analyzed for the contaminants of concern identified based on Historical Document review. Based on this, the sample was tested for Volatile Organic Compounds (VOCs), Semi-volatile Organic Compounds (SVOCs), total RCRA Metals, Pesticides, PCBs and pH. The sample analytical test reports are presented in Appendix C of this report.

Conclusions and Recommendations

The analytical results were compared to 35 ILL. Adm. Code 1100, “Maximum Allowable Concentrations (MAC) of chemical constituents in Uncontaminated Soil used as fill in a Clean Construction & Demolition Debris (CCDD) or “Uncontaminated Soil Fill Operation” and Illinois Tiered Approach to Corrective Action Objectives (TACO) Residential Soil Remediation Objectives in accordance with Article 669 of IDOT Standard Specification for Road and Bridge Construction (January 1, 2022).

Samples Hartrey-SGB-01, Hartrey-SGB-02, Hartrey-SGB-03 and Hartrey-SGB-01 did not encounter any contaminants of concern above the CCDD and TACO regulatory limits. Hartrey-SGB-01 exceeded construction worker inhalation SRO for Mercury. However, elemental mercury does not appear to be a contaminant of concern at this site and therefore, per TACO construction worker inhalation remediation objective does not apply.

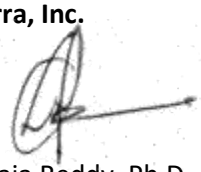
Based on the results, the soil can be classified as clean material and managed as follows according to Article 202.03 of IDOT Standard Specifications. LPC 663 form for this area is presented in Appendix D of this report.

- The soil can be disposed of at a CCDD facility or a USFO within an MSA County.
- The soil can be utilized within the right-of-way as embankment or fill, when suitable.

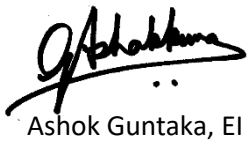
We appreciate the opportunity to be of service to you. Should you need additional information or clarifications, please call us at (630) 754-8700.

Yours truly,

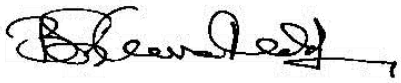
Interra, Inc.



Supraja Reddy, Ph.D., PE
Project Engineer



Ashok Guntaka, EI
Project Manager



Sanjeev Bandi, Ph.D., PE
Principal Engineer

APPENDIX A

Historical Reports

9826-F Hartrey From Church To Emerson
Hartrey & Church
Evanston, IL 60201

Inquiry Number: 7834122.2s
November 26, 2024

EDR Summary Radius Map Report

6 Armstrong Road, 4th floor
Shelton, CT 06484
Toll Free: 800.352.0050
www.edrnet.com

TABLE OF CONTENTS

SECTION	PAGE
Executive Summary	ES1
Overview Map	2
Detail Map	3
Map Findings Summary	4
Map Findings	8
Orphan Summary	174
Government Records Searched/Data Currency Tracking	GR-1

GEOCHECK ADDENDUM

Physical Setting Source Addendum	A-1
Physical Setting Source Summary	A-2
Physical Setting Source Map	A-10
Physical Setting Source Map Findings	A-11
Physical Setting Source Records Searched	PSGR-1

Thank you for your business.
Please contact EDR at 1-800-352-0050
with any questions or comments.

Disclaimer - Copyright and Trademark Notice

This Report contains certain information obtained from a variety of public and other sources reasonably available to Environmental Data Resources, LLC. It cannot be concluded from this Report that coverage information for the target and surrounding properties does not exist from other sources. This Report is provided on an "AS IS", "AS AVAILABLE" basis. **NO WARRANTY EXPRESS OR IMPLIED IS MADE WHATSOEVER IN CONNECTION WITH THIS REPORT. ENVIRONMENTAL DATA RESOURCES, LLC AND ITS SUBSIDIARIES, AFFILIATES AND THIRD PARTY SUPPLIERS DISCLAIM ALL WARRANTIES, OF ANY KIND OR NATURE, EXPRESS OR IMPLIED, ARISING OUT OF OR RELATED TO THIS REPORT OR ANY OF THE DATA AND INFORMATION PROVIDED IN THIS REPORT, INCLUDING WITHOUT LIMITATION, ANY WARRANTIES REGARDING ACCURACY, QUALITY, CORRECTNESS, COMPLETENESS, COMPREHENSIVENESS, SUITABILITY, MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE, TITLE, NON-INFRINGEMENT, MISAPPROPRIATION, OR OTHERWISE. ALL RISK IS ASSUMED BY THE USER. IN NO EVENT SHALL ENVIRONMENTAL DATA RESOURCES, LLC OR ITS SUBSIDIARIES, AFFILIATES OR THIRD PARTY SUPPLIERS BE LIABLE TO ANYONE FOR ANY DIRECT, INCIDENTAL, INDIRECT, SPECIAL, CONSEQUENTIAL OR OTHER DAMAGES OF ANY TYPE OR KIND (INCLUDING BUT NOT LIMITED TO LOSS OF PROFITS, LOSS OF USE, OR LOSS OF DATA) INFORMATION PROVIDED IN THIS REPORT.** Any analyses, estimates, ratings, environmental risk levels, or risk codes provided in this Report are provided for illustrative purposes only, and are not intended to provide, nor should they be interpreted as providing any facts regarding, or prediction or forecast of, any environmental risk for any property. Only an assessment performed by a qualified environmental professional can provide findings, opinions or conclusions regarding the environmental risk or conditions in, on or at any property.

Copyright 2024 by Environmental Data Resources, LLC. All rights reserved. Reproduction in any media or format, in whole or in part, of any report or map of Environmental Data Resources, LLC, or its affiliates, is prohibited without prior written permission.

EDR and its logos (including Sanborn and Sanborn Map) are trademarks of Environmental Data Resources, LLC or its affiliates. All other trademarks used herein are the property of their respective owners.

EXECUTIVE SUMMARY

A search of available environmental records was conducted by Environmental Data Resources, Inc (EDR). The report was designed to assist parties seeking to meet the search requirements of EPA's Standards and Practices for All Appropriate Inquiries (40 CFR Part 312), the ASTM Standard Practice for Environmental Site Assessments (E1527 - 21), the ASTM Standard Practice for Environmental Site Assessments for Forestland or Rural Property (E2247 - 16), the ASTM Standard Practice for Limited Environmental Due Diligence: Transaction Screen Process (E1528 - 22) or custom requirements developed for the evaluation of environmental risk associated with a parcel of real estate.

TARGET PROPERTY INFORMATION

ADDRESS

HARTREY & CHURCH
EVANSTON, IL 60201

COORDINATES

Latitude (North):	42.0501140 - 42° 3' 0.41''
Longitude (West):	87.7036220 - 87° 42' 13.03''
Universal Tranverse Mercator:	Zone 16
UTM X (Meters):	441771.7
UTM Y (Meters):	4655366.0
Elevation:	599 ft. above sea level

USGS TOPOGRAPHIC MAP ASSOCIATED WITH TARGET PROPERTY

Target Property:	TP
Source:	U.S. Geological Survey

AERIAL PHOTOGRAPHY IN THIS REPORT

Portions of Photo from:	20190802
Source:	USDA

MAPPED SITES SUMMARY

Target Property Address:
HARTREY & CHURCH
EVANSTON, IL 60201

Click on Map ID to see full detail.

MAP ID	SITE NAME	ADDRESS	DATABASE ACRONYMS	RELATIVE ELEVATION	DIST (ft. & mi.) DIRECTION
1	AT & T-TANK #1-173	2312 LYONS STREET	IL AST	Higher	580, 0.110, West
2	VERIZON WIRELESS MCC	2313 CHURCH STREET	IL AST	Lower	635, 0.120, SW
3	EVANSTON TOWNSHIP HS	1600 DODGE AVE	RCRA-VSQG, FINDS, ECHO, E MANIFEST	Higher	1270, 0.241, SE
A4	OVER THE RAINBOW ASS	2026 BROWN ST.	UST FINDER RELEASE	Lower	1386, 0.262, NNE
A5	OVER THE RAINBOW ASS	2026 BROWN ST.	IL LUST, IL BOL	Lower	1386, 0.262, NNE
A6	RAINBOW UNIT 2	2030 BROWN ST.	UST FINDER RELEASE	Lower	1386, 0.262, NNE
A7	RAINBOW UNIT 2	2030 BROWN ST.	IL LUST, IL BOL	Lower	1386, 0.262, NNE
B8	SCHEIN, DON	1823 CHURCH ST	IL LUST, IL BOL	Higher	1501, 0.284, ESE
B9	SCHEIN, DON	1823 CHURCH ST.	UST FINDER RELEASE	Higher	1501, 0.284, ESE
B10	E-TOWN COMMUNITY VEN	1801-1805 CHURCH STR	UST FINDER RELEASE	Higher	1576, 0.298, ESE
B11	E-TOWN COMMUNITY VEN	1801-1805 CHURCH STR	IL LUST, IL ENG CONTROLS, IL INST CONTROL, IL SRP,...	Higher	1576, 0.298, ESE
12	AMOCO OIL CO. #8723	9410 MCCORMICK	UST FINDER RELEASE	Higher	1590, 0.301, WNW
13	ST. ANDREWS EPISCOPA	1928 DARROW	IL LUST	Lower	1631, 0.309, NE
C14	ONYX WASTE SERVICES	1710 LYON ST.	IL LUST	Higher	1831, 0.347, East
15	AMOCO OIL CO. #8723	9410 MCCORMICK	IL LUST, IL BOL	Lower	1857, 0.352, WSW
C16	ONYX WASTE SERVICES	1710 LYON ST.	UST FINDER RELEASE	Higher	1952, 0.370, East
C17	ACTIVE SERVICE CORP.	1710 LYONS ST.	IL LUST, IL SPILLS	Higher	1952, 0.370, East
C18	ACTIVE SERVICE CORP.	1710 LYONS ST.	UST FINDER RELEASE	Higher	1952, 0.370, East
19	VEOLIA ENVIRONMENTAL	1712 CHURCH ST	IL LUST, IL SPILLS, IL BOL, IL TIER 2	Higher	2012, 0.381, East
D20	UNITED STATES POSTAL	1700 EMERSON	RCRA-VSQG, IL LUST, IL SPILLS, FINDS, ECHO, E...	Higher	2022, 0.383, ENE
D21	U.S. POSTAL SERVICE	1700 EMERSON ST.	UST FINDER RELEASE	Higher	2022, 0.383, ENE
D22	ROBINSON BUS CO.	EMERSON & DEWEY ST.	UST FINDER RELEASE	Higher	2069, 0.392, ENE
D23	ROBINSON BUS CO.	EMERSON & DEWEY ST.	IL LUST	Higher	2069, 0.392, ENE
24	CAMCO INC.	3337 GOLF RD.	IL LUST, IL BOL	Higher	2080, 0.394, WNW
E25	CONTINENTAL CONSTRUC	1919 GREENWOOD ST.	IL LUST	Higher	2091, 0.396, SSE
E26	CONTINENTAL CONSTRUC	1919 GREENWOOD ST.	UST FINDER RELEASE	Higher	2091, 0.396, SSE
E27	CONTINENTAL CONSTRUC	1919 GREENWOOD	UST FINDER, UST FINDER RELEASE	Higher	2091, 0.396, SSE
F28	PELOUZE SCALE CO	2120 GREENWOOD AVE	IL LUST, IL SPILLS, FINDS, ECHO, IL AIRS	Lower	2101, 0.398, South
F29	PELOUZE SCALE	2120 GREENWOOD AVE.	UST FINDER RELEASE	Lower	2101, 0.398, South
F30	PELOUZE SCALE CO.	2120 GREENWOOD AVE.	UST FINDER RELEASE	Lower	2101, 0.398, South
F31	GROSMAN, ROBERT	2100 GREENWOOD AVE.	UST FINDER RELEASE	Lower	2111, 0.400, South
F32	GROSMAN, ROBERT	2100 GREENWOOD AVE	IL LUST, IL INST CONTROL, IL SRP, IL BOL	Lower	2111, 0.400, South
D33	ROBINSON BUS SERVICE	1622 EMERSON ST.	UST FINDER RELEASE	Higher	2138, 0.405, ENE
D34	ROBINSON BUS SERVICE	1622 EMERSON	IL LUST, IL UST	Higher	2138, 0.405, ENE
35	NEWTOWN CLEANERS	3347 GOLF ROAD	IL ENG CONTROLS, IL INST CONTROL, IL SRP	Higher	2186, 0.414, WNW
G36	CYRUS HOMES INC	1613 CHURCH STREET	IL SRP, IL BOL	Higher	2203, 0.417, ESE
G37	CSE 1611, LLC	1611 CHURCH STREET	IL LUST, IL SPILLS	Higher	2277, 0.431, East
H38	TAPECOAT COMPANY/ CH	1527 LYONS ST	RCRA-VSQG, IL ENG CONTROLS, IL INST CONTROL, IL...	Higher	2318, 0.439, East
I39	EVANSTON, CITY OF	1655 FOSTER	UST FINDER RELEASE	Higher	2337, 0.443, ENE

MAPPED SITES SUMMARY

Target Property Address:
HARTREY & CHURCH
EVANSTON, IL 60201

Click on Map ID to see full detail.

MAP ID	SITE NAME	ADDRESS	DATABASE ACRONYMS	RELATIVE ELEVATION	DIST (ft. & mi.) DIRECTION
I40	FLEETWOOD JOURDAIN C	1655 FOSTER ST	IL LUST, IL UST, IL BOL	Higher	2337, 0.443, ENE
J41	DICKSON WEATHERPROOF	1900 GREENWOOD ST.	UST FINDER RELEASE	Lower	2347, 0.445, SSE
J42	DICKSON WEATHERPROOF	1900 GREENWOOD	IL LUST, FINDS, ECHO, IL AIRS, IL BOL	Lower	2347, 0.445, SSE
H43	TAPECOAT CO.	1523 LYONS ST.	IL LUST	Higher	2400, 0.455, East
G44	JOHN J CAHILL INC	1515 CHURCH ST	UST FINDER, UST FINDER RELEASE	Higher	2414, 0.457, East
G45	JOHN J. CAHILL INC.	1515 CHURCH ST.	IL LUST	Higher	2414, 0.457, East
K46	ST. FRANCIS HOSPITAL	1310 HARTREY	UST FINDER RELEASE	Lower	2449, 0.464, South
K47	ST. FRANCIS HOSPITAL	1310 HARTREY	IL LUST	Lower	2449, 0.464, South
L48	EMSQ, LLC	1600 FOSTER STREET	IL LUST, IL SPILLS	Higher	2469, 0.468, ENE
L49	1600 FOSTER AVENUE	1600 FOSTER AVENUE	US BROWNFIELDS, RCRA NonGen / NLR, FINDS, ECHO	Higher	2469, 0.468, ENE
L50	BISHOP FREEMAN	1600 FOSTER ST	IL ENG CONTROLS, IL INST CONTROL, IL SRP, IL...	Higher	2469, 0.468, ENE
M51	ROBINSON RENTALS, IN	1528 EMERSON STREET	UST FINDER RELEASE	Higher	2500, 0.473, ENE
M52	POSITIVE CONNECTIONS	1528 EMERSON STREET	IL LUST, IL SPILLS, IL BOL, IL TIER 2	Higher	2500, 0.473, ENE
M53	ROBINSON BUS SERVICE	1528 EMERSON	IL LUST, RCRA NonGen / NLR, FINDS, ECHO	Higher	2500, 0.473, ENE
N54	PRL INDUSTRIES LLC	2025 DEMPSTER STREET	UST FINDER RELEASE	Lower	2570, 0.487, South
N55	PRL INDUSTRIES LLC	2025 DEMPSTER STREET	IL LUST, IL AIRS	Lower	2570, 0.487, South
K56	AQUA JET SELF-SERVIC	2201 DEMPSTER STREET	IL ENG CONTROLS, IL INST CONTROL, IL SRP, IL BOL	Lower	2603, 0.493, South
57	BRINNSP, LLC	2113 DEWEY AVENUE	IL ENG CONTROLS, IL INST CONTROL, IL SRP	Higher	2627, 0.498, NE
58	NORTHWESTERN UNIVERS		FUDS	Higher	2914, 0.552, East

EXECUTIVE SUMMARY

TARGET PROPERTY SEARCH RESULTS

The target property was not listed in any of the databases searched by EDR.

SURROUNDING SITES: SEARCH RESULTS

Surrounding sites were identified in the following databases.

Elevations have been determined from the USGS Digital Elevation Model and should be evaluated on a relative (not an absolute) basis. Relative elevation information between sites of close proximity should be field verified. Sites with an elevation equal to or higher than the target property have been differentiated below from sites with an elevation lower than the target property.
Page numbers and map identification numbers refer to the EDR Radius Map report where detailed data on individual sites can be reviewed.

Sites listed in ***bold italics*** are in multiple databases.

Unmappable (orphan) sites are not considered in the foregoing analysis.

STANDARD ENVIRONMENTAL RECORDS

Lists of Federal RCRA generators

RCRA-VSQG: A review of the RCRA-VSQG list, as provided by EDR, and dated 06/03/2024 has revealed that there is 1 RCRA-VSQG site within approximately 0.25 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
EVANSTON TOWNSHIP HS EPA ID:: ILD984840686	***1600 DODGE AVE***	***SE 1/8 - 1/4 (0.241 mi.)***	***3***	***8***

Lists of state and tribal leaking storage tanks

IL LUST: A review of the IL LUST list, as provided by EDR, and dated 07/15/2024 has revealed that there are 26 IL LUST sites within approximately 0.5 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
SCHEIN, DON NFA/NFR Letter: 3/8/2001 Incident Num: 20001615 IL EPA Id: 0310815231	***1823 CHURCH ST***	***ESE 1/4 - 1/2 (0.284 mi.)***	***B8***	***9***
E-TOWN COMMUNITY VEN Incident Num: 20150678 IL EPA Id: 0310815369	***1801-1805 CHURCH STR***	***ESE 1/4 - 1/2 (0.298 mi.)***	***B11***	***10***
ONYX WASTE SERVICES NFA/NFR Letter: 9/8/2004 Incident Num: 20031305 IL EPA Id: 0310810003	1710 LYON ST.	E 1/4 - 1/2 (0.347 mi.)	C14	11
ACTIVE SERVICE CORP.	***1710 LYONS ST.***	***E 1/4 - 1/2 (0.370 mi.)***	***C17***	***12***

NFA/NFR Letter: 12/2/1994 Incident Num: 923691 Incident Num: 20050658 IL EPA Id: 0310810003 IL EPA Id: 0310815280				
VEOLIA ENVIRONMENTAL Incident Num: 20210983 IL EPA Id: 0310815013	***1712 CHURCH ST***	***E 1/4 - 1/2 (0.381 mi.)***	***19***	***12***
UNITED STATES POSTAL NFA/NFR Letter: 2/14/1991 NFA/NFR Letter: 1/22/2008 Incident Num: 902933 Incident Num: 891640 Incident Num: 881480 IL EPA Id: 0310815062	***1700 EMERSON***	***ENE 1/4 - 1/2 (0.383 mi.)***	***D20***	***12***
ROBINSON BUS CO. NFA/NFR Letter: 7/21/1995 Incident Num: 930489 IL EPA Id: 0310813010	EMERSON & DEWEY ST.	ENE 1/4 - 1/2 (0.392 mi.)	D23	13
CAMCO INC. Incident Num: 942861 IL EPA Id: 0312885276	***3337 GOLF RD.***	***WNW 1/4 - 1/2 (0.394 mi.)***	***24***	***14***
CONTINENTAL CONSTRUC NFA/NFR Letter: 9/10/2003 Incident Num: 20002301 Incident Num: 20010447 IL EPA Id: 0310815235	1919 GREENWOOD ST.	SSE 1/4 - 1/2 (0.396 mi.)	E25	14
ROBINSON BUS SERVICE NFA/NFR Letter: 1/12/2001 Incident Num: 960718 IL EPA Id: 0310813010	***1622 EMERSON***	***ENE 1/4 - 1/2 (0.405 mi.)***	***D34***	***16***
CSE 1611, LLC Incident Num: 20220161 IL EPA Id: 0310815397	***1611 CHURCH STREET***	***E 1/4 - 1/2 (0.431 mi.)***	***G37***	***17***
FLEETWOOD JOURDAIN C NFA/NFR Letter: 1/15/2009 Incident Num: 910482 IL EPA Id: 0310815096	***1655 FOSTER ST***	***ENE 1/4 - 1/2 (0.443 mi.)***	***I40***	***18***
TAPECOAT CO. Incident Num: 960814 IL EPA Id: 0310815020	1523 LYONS ST.	E 1/4 - 1/2 (0.455 mi.)	H43	19
JOHN J. CAHILL INC. NFA/NFR Letter: 1/15/1993 Incident Num: 920776 IL EPA Id: 0310815118	1515 CHURCH ST.	E 1/4 - 1/2 (0.457 mi.)	G45	20
EMSQ, LLC Incident Num: 20121320 IL EPA Id: 0310815028	***1600 FOSTER STREET***	***ENE 1/4 - 1/2 (0.468 mi.)***	***L48***	***20***
POSITIVE CONNECTIONS NFA/NFR Letter: 11/16/2010 Incident Num: 20090690	***1528 EMERSON STREET***	***ENE 1/4 - 1/2 (0.473 mi.)***	***M52***	***22***

Incident Num: 20090958
IL EPA Id: 0310815042

ROBINSON BUS SERVICE Incident Num: 20000092 IL EPA Id: 0310815042	***1528 EMERSON***	***ENE 1/4 - 1/2 (0.473 mi.)***	***M53***	***22***

Lower Elevation	Address	Direction / Distance	Map ID	Page
OVER THE RAINBOW ASS NFA/NFR Letter: 9/9/1992 Incident Num: 921617 IL EPA Id: 0310815132	***2026 BROWN ST.***	***NNE 1/4 - 1/2 (0.262 mi.)***	***A5***	***8***
RAINBOW UNIT 2 NFA/NFR Letter: 10/27/1992 Incident Num: 920863 IL EPA Id: 0310815126	***2030 BROWN ST.***	***NNE 1/4 - 1/2 (0.262 mi.)***	***A7***	***9***
ST. ANDREWS EPISCOPA Incident Num: 20002119 IL EPA Id: 0310815234	1928 DARROW	NE 1/4 - 1/2 (0.309 mi.)	13	11
AMOCO OIL CO. #8723 NFA/NFR Letter: 11/29/2001 Incident Num: 911924 IL EPA Id: 0312885205	***9410 MCCORMICK***	***WSW 1/4 - 1/2 (0.352 mi.)***	***15***	***11***
PELOUZE SCALE CO NFA/NFR Letter: 7/28/1994 NFA/NFR Letter: 10/3/1994 Incident Num: 891056 Incident Num: 900960 IL EPA Id: 0310815011	***2120 GREENWOOD AVE***	***S 1/4 - 1/2 (0.398 mi.)***	***F28***	***15***
GROSMAN, ROBERT NFA/NFR Letter: 9/23/2003 Incident Num: 20021443 IL EPA Id: 0310815171	***2100 GREENWOOD AVE***	***S 1/4 - 1/2 (0.400 mi.)***	***F32***	***16***
DICKSON WEATHERPROOF NFA/NFR Letter: 6/6/2000 Incident Num: 952405 IL EPA Id: 0310815017	***1900 GREENWOOD***	***SSE 1/4 - 1/2 (0.445 mi.)***	***J42***	***19***
ST. FRANCIS HOSPITAL NFA/NFR Letter: 7/22/2003 Incident Num: 923698 IL EPA Id: 0310815143	1310 HARTREY	S 1/4 - 1/2 (0.464 mi.)	K47	20
PRL INDUSTRIES LLC NFA/NFR Letter: 5/4/2009 Incident Num: 20081763 IL EPA Id: 0310815311	***2025 DEMPSTER STREET***	***S 1/4 - 1/2 (0.487 mi.)***	***N55***	***23***

EXECUTIVE SUMMARY

Lists of state and tribal registered storage tanks

IL AST: A review of the IL AST list, as provided by EDR, and dated 08/08/2024 has revealed that there are 2 IL AST sites within approximately 0.25 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
AT & T-TANK #1-173 Occupancy Number: CN-059-1401899340793	2312 LYONS STREET	W 0 - 1/8 (0.110 mi.)	1	8

Lower Elevation	Address	Direction / Distance	Map ID	Page
VERIZON WIRELESS MCC Occupancy Number: 1676324019262-CN-059	2313 CHURCH STREET	SW 0 - 1/8 (0.120 mi.)	2	8

State and tribal institutional control / engineering control registries

IL ENG CONTROLS: A review of the IL ENG CONTROLS list, as provided by EDR, and dated 06/24/2024 has revealed that there are 6 IL ENG CONTROLS sites within approximately 0.5 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
E-TOWN COMMUNITY VEN Illinois Epa Id: 0310815369	***1801-1805 CHURCH STR***	***ESE 1/4 - 1/2 (0.298 mi.)***	***B11***	***10***
NEWTOWN CLEANERS Illinois Epa Id: 0312880036	***3347 GOLF ROAD***	***WNW 1/4 - 1/2 (0.414 mi.)***	***35***	***17***
TAPECOAT COMPANY/ CH Illinois Epa Id: 0310815020	***1527 LYONS ST***	***E 1/4 - 1/2 (0.439 mi.)***	***H38***	***17***
BISHOP FREEMAN Illinois Epa Id: 0310815028	***1600 FOSTER ST***	***ENE 1/4 - 1/2 (0.468 mi.)***	***L50***	***21***
BRINNSP, LLC Illinois Epa Id: 0310815349	***2113 DEWEY AVENUE***	***NE 1/4 - 1/2 (0.498 mi.)***	***57***	***23***

Lower Elevation	Address	Direction / Distance	Map ID	Page
AQUA JET SELF-SERVIC Illinois Epa Id: 0310815338	***2201 DEMPSTER STREET***	***S 1/4 - 1/2 (0.493 mi.)***	***K56***	***23***

IL INST CONTROL: A review of the IL INST CONTROL list, as provided by EDR, and dated 06/24/2024 has revealed that there are 7 IL INST CONTROL sites within approximately 0.5 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
E-TOWN COMMUNITY VEN Illinois EPA Id: 0310815369	***1801-1805 CHURCH STR***	***ESE 1/4 - 1/2 (0.298 mi.)***	***B11***	***10***
NEWTOWN CLEANERS	***3347 GOLF ROAD***	***WNW 1/4 - 1/2 (0.414 mi.)***	***35***	***17***

Illinois EPA Id: 0312880036				
TAPECOAT COMPANY/ CH Illinois EPA Id: 0310815020	***1527 LYONS ST***	***E 1/4 - 1/2 (0.439 mi.)***	***H38***	***17***
BISHOP FREEMAN Illinois EPA Id: 0310815028	***1600 FOSTER ST***	***ENE 1/4 - 1/2 (0.468 mi.)***	***L50***	***21***
BRINNSP, LLC Illinois EPA Id: 0310815349	***2113 DEWEY AVENUE***	***NE 1/4 - 1/2 (0.498 mi.)***	***57***	***23***

Lower Elevation	Address	Direction / Distance	Map ID	Page
GROSMAN, ROBERT Illinois EPA Id: 0310815171	***2100 GREENWOOD AVE***	***S 1/4 - 1/2 (0.400 mi.)***	***F32***	***16***
AQUA JET SELF-SERVIC Illinois EPA Id: 0310815338	***2201 DEMPSTER STREET***	***S 1/4 - 1/2 (0.493 mi.)***	***K56***	***23***

Lists of state and tribal voluntary cleanup sites

IL SRP: A review of the IL SRP list, as provided by EDR, and dated 06/24/2024 has revealed that there are 8 IL SRP sites within approximately 0.5 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
E-TOWN COMMUNITY VEN IL EPA Id: 0310815369	***1801-1805 CHURCH STR***	***ESE 1/4 - 1/2 (0.298 mi.)***	***B11***	***10***
NEWTOWN CLEANERS IL EPA Id: 0312880036	***3347 GOLF ROAD***	***WNW 1/4 - 1/2 (0.414 mi.)***	***35***	***17***
CYRUS HOMES INC IL EPA Id: 0310815294	***1613 CHURCH STREET***	***ESE 1/4 - 1/2 (0.417 mi.)***	***G36***	***17***
TAPECOAT COMPANY/ CH IL EPA Id: 0310815020	***1527 LYONS ST***	***E 1/4 - 1/2 (0.439 mi.)***	***H38***	***17***
BISHOP FREEMAN IL EPA Id: 0310815028	***1600 FOSTER ST***	***ENE 1/4 - 1/2 (0.468 mi.)***	***L50***	***21***
BRINNSP, LLC IL EPA Id: 0310815349	***2113 DEWEY AVENUE***	***NE 1/4 - 1/2 (0.498 mi.)***	***57***	***23***

Lower Elevation	Address	Direction / Distance	Map ID	Page
GROSMAN, ROBERT IL EPA Id: 0310815171	***2100 GREENWOOD AVE***	***S 1/4 - 1/2 (0.400 mi.)***	***F32***	***16***
AQUA JET SELF-SERVIC IL EPA Id: 0310815338	***2201 DEMPSTER STREET***	***S 1/4 - 1/2 (0.493 mi.)***	***K56***	***23***

EXECUTIVE SUMMARY

Lists of state and tribal brownfield sites

IL BROWNFIELDS: A review of the IL BROWNFIELDS list, as provided by EDR, has revealed that there is 1 IL BROWNFIELDS site within approximately 0.5 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
BISHOP FREEMAN	***1600 FOSTER ST***	***ENE 1/4 - 1/2 (0.468 mi.)***	***L50***	***21***
Database: BROWNFIELDS, Date of Government Version: 07/15/2024				
IL EPA ID: 0310815028				

ADDITIONAL ENVIRONMENTAL RECORDS

Local Brownfield lists

US BROWNFIELDS: A review of the US BROWNFIELDS list, as provided by EDR, and dated 06/10/2024 has revealed that there is 1 US BROWNFIELDS site within approximately 0.5 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
1600 FOSTER AVENUE	***1600 FOSTER AVENUE***	***ENE 1/4 - 1/2 (0.468 mi.)***	***L49***	***21***

Other Ascertainable Records

FUDS: A review of the FUDS list, as provided by EDR, and dated 07/31/2024 has revealed that there is 1 FUDS site within approximately 1 mile of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
NORTHWESTERN UNIVERS		E 1/2 - 1 (0.552 mi.)	58	24

UST FINDER RELEASE: A review of the UST FINDER RELEASE list, as provided by EDR, and dated 06/08/2023 has revealed that there are 21 UST FINDER RELEASE sites within approximately 0.5 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
SCHEIN, DON	1823 CHURCH ST.	ESE 1/4 - 1/2 (0.284 mi.)	B9	10
E-TOWN COMMUNITY VEN	1801-1805 CHURCH STR	ESE 1/4 - 1/2 (0.298 mi.)	B10	10
AMOCO OIL CO. #8723	9410 MCCORMICK	WNW 1/4 - 1/2 (0.301 mi.)	12	10
ONYX WASTE SERVICES	1710 LYON ST.	E 1/4 - 1/2 (0.370 mi.)	C16	11
ACTIVE SERVICE CORP.	1710 LYONS ST.	E 1/4 - 1/2 (0.370 mi.)	C18	12
U.S. POSTAL SERVICE	1700 EMERSON ST.	ENE 1/4 - 1/2 (0.383 mi.)	D21	13
ROBINSON BUS CO.	EMERSON & DEWEY ST.	ENE 1/4 - 1/2 (0.392 mi.)	D22	13
CONTINENTAL CONSTRUC	1919 GREENWOOD ST.	SSE 1/4 - 1/2 (0.396 mi.)	E26	14
CONTINENTAL CONSTRUC	***1919 GREENWOOD***	***SSE 1/4 - 1/2 (0.396 mi.)***	***E27***	***14***
ROBINSON BUS SERVICE	1622 EMERSON ST.	ENE 1/4 - 1/2 (0.405 mi.)	D33	16

EXECUTIVE SUMMARY

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
EVANSTON, CITY OF	1655 FOSTER	ENE 1/4 - 1/2 (0.443 mi.)	I39	18
JOHN J CAHILL INC	***1515 CHURCH ST***	***E 1/4 - 1/2 (0.457 mi.)***	***G44***	***20***
ROBINSON RENTALS, IN	1528 EMERSON STREET	ENE 1/4 - 1/2 (0.473 mi.)	M51	22

Lower Elevation	Address	Direction / Distance	Map ID	Page
OVER THE RAINBOW ASS	2026 BROWN ST.	NNE 1/4 - 1/2 (0.262 mi.)	A4	8
RAINBOW UNIT 2	2030 BROWN ST.	NNE 1/4 - 1/2 (0.262 mi.)	A6	9
PELOUZE SCALE	2120 GREENWOOD AVE.	S 1/4 - 1/2 (0.398 mi.)	F29	15
PELOUZE SCALE CO.	2120 GREENWOOD AVE.	S 1/4 - 1/2 (0.398 mi.)	F30	15
GROSMAN, ROBERT	2100 GREENWOOD AVE.	S 1/4 - 1/2 (0.400 mi.)	F31	15
DICKSON WEATHERPROOF	1900 GREENWOOD ST.	SSE 1/4 - 1/2 (0.445 mi.)	J41	19
ST. FRANCIS HOSPITAL	1310 HARTREY	S 1/4 - 1/2 (0.464 mi.)	K46	20
PRL INDUSTRIES LLC	2025 DEMPSTER STREET	S 1/4 - 1/2 (0.487 mi.)	N54	23

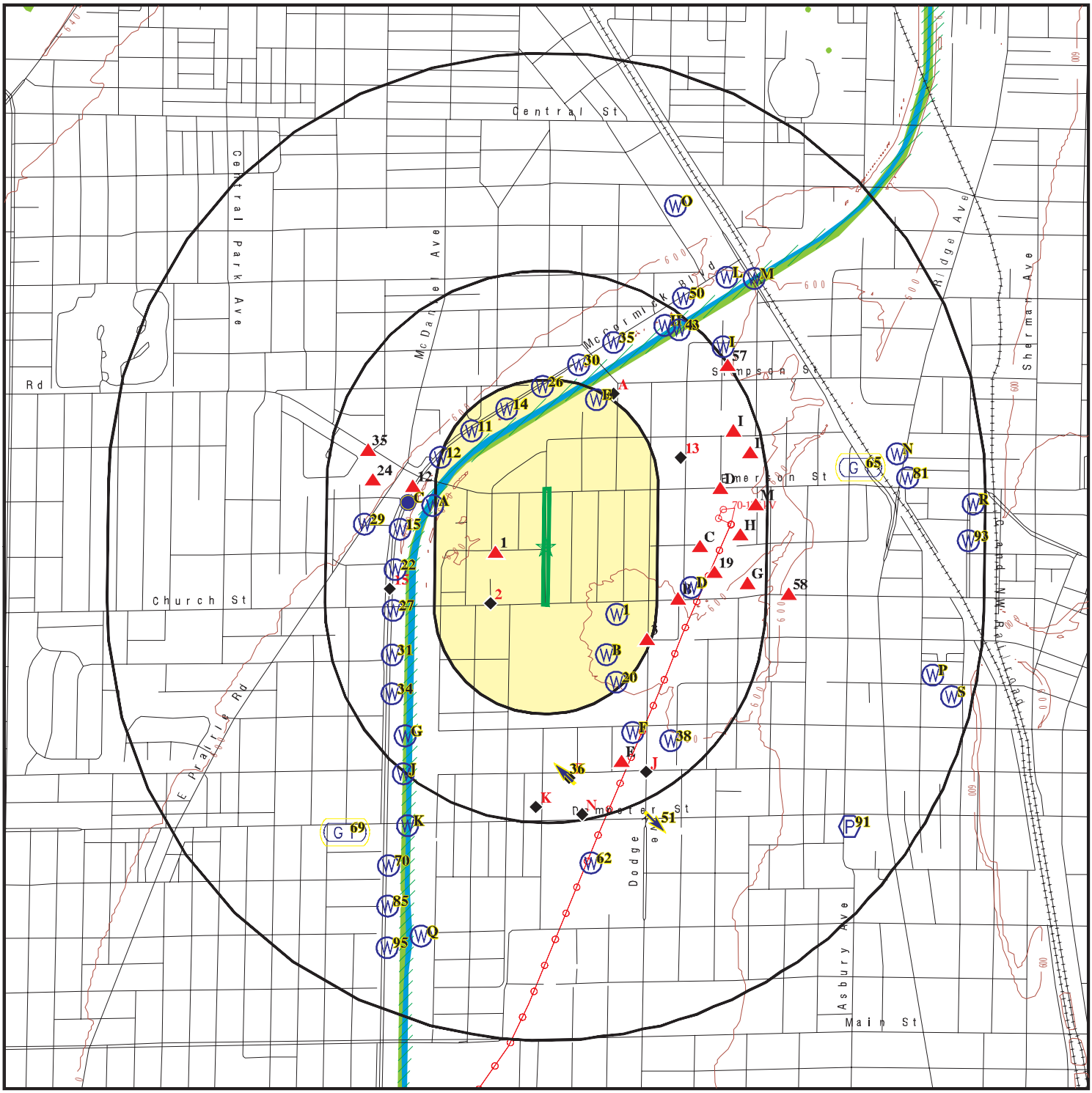
E MANIFEST: A review of the E MANIFEST list, as provided by EDR, and dated 07/24/2023 has revealed that there is 1 E MANIFEST site within approximately 0.25 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
EVANSTON TOWNSHIP HS	***1600 DODGE AVE***	***SE 1/8 - 1/4 (0.241 mi.)***	***3***	***8***

Count: 1 records. ORPHAN SUMMARY

City	EDR ID	Site Name	Site Address	Zip	Database(s)
SKOKIE	S108966703	METROPOLITAN BANK GROUP	5250 WEST DEMPSTER	60076	IL LUST

OVERVIEW MAP - 7834122.2S



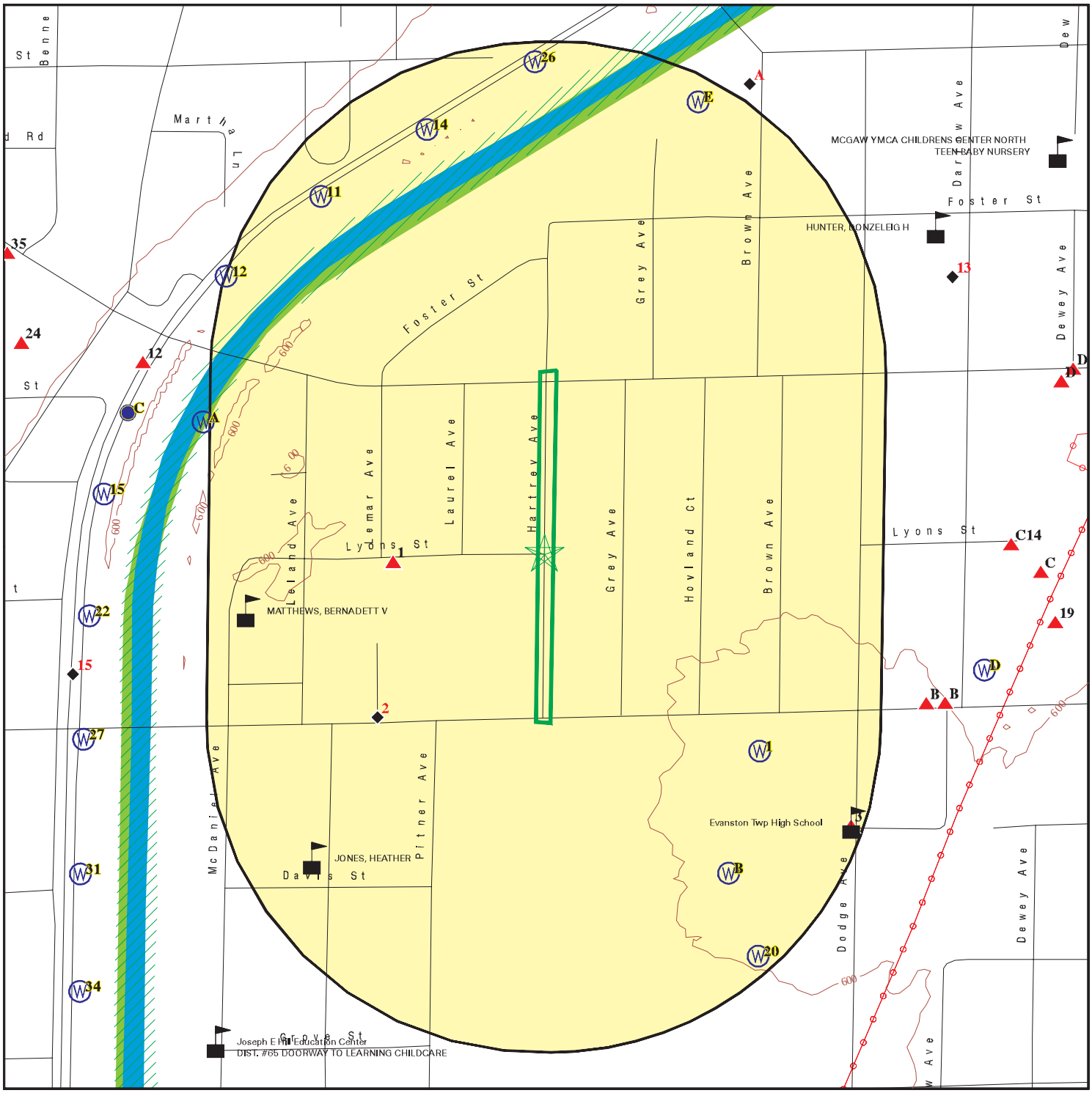
- Target Property
- Sites at elevations higher than or equal to the target property
- Sites at elevations lower than the target property
- Manufactured Gas Plants
- National Priority List Sites
- Dept. Defense Sites
- Indian Reservations BIA
- Power transmission lines
- Special Flood Hazard Area (1%)
- 0.2% Annual Chance Flood Hazard
- National Wetland Inventory
- State Wetlands

This report includes Interactive Map Layers to display and/or hide map information. The legend includes only those icons for the default map view.

SITE NAME: 9826-F Hartrey From Church To Emerson ADDRESS: Hartrey & Church Evanston IL 60201 LAT/LONG: 42.050114 / 87.703622	CLIENT: Interra, Inc. CONTACT: Ashok Guntaka INQUIRY #: 7834122.2s DATE: November 26, 2024 1:20 pm

Copyright © 2024 EDR, Inc. © 2015 TomTom Rel. 2015.

DETAIL MAP - 7834122.2S



- Target Property
- Sites at elevations higher than or equal to the target property
- Sites at elevations lower than the target property
- Manufactured Gas Plants
- Sensitive Receptors
- National Priority List Sites
- Dept. Defense Sites

0 1/16 1/8 1/4 Miles

- Indian Reservations BIA
- Power transmission lines
- Special Flood Hazard Area (1%)
- 0.2% Annual Chance Flood Hazard
- National Wetland Inventory
- State Wetlands

This report includes Interactive Map Layers to display and/or hide map information. The legend includes only those icons for the default map view.

SITE NAME: 9826-F Hartrey From Church To Emerson	CLIENT: Interra, Inc.
ADDRESS: Hartrey & Church Evanston IL 60201	CONTACT: Ashok Guntaka
LAT/LONG: 42.050114 / 87.703622	INQUIRY #: 7834122.2s DATE: November 26, 2024 1:20 pm

Copyright © 2024 EDR, Inc. © 2015 TomTom Rel. 2015.

MAP FINDINGS SUMMARY

Database	Search Distance (Miles)	Target Property	< 1/8	1/8 - 1/4	1/4 - 1/2	1/2 - 1	> 1	Total Plotted
STANDARD ENVIRONMENTAL RECORDS								
Lists of Federal NPL (Superfund) sites								
NPL	1.000		0	0	0	0	NR	0
Proposed NPL	1.000		0	0	0	0	NR	0
NPL LIENS	1.000		0	0	0	0	NR	0
Lists of Federal Delisted NPL sites								
Delisted NPL	1.000		0	0	0	0	NR	0
Lists of Federal sites subject to CERCLA removals and CERCLA orders								
FEDERAL FACILITY	0.500		0	0	0	NR	NR	0
SEMS	0.500		0	0	0	NR	NR	0
Lists of Federal CERCLA sites with NFRAP								
SEMS-ARCHIVE	0.500		0	0	0	NR	NR	0
Lists of Federal RCRA facilities undergoing Corrective Action								
CORRACTS	1.000		0	0	0	0	NR	0
Lists of Federal RCRA TSD facilities								
RCRA-TSDF	0.500		0	0	0	NR	NR	0
Lists of Federal RCRA generators								
RCRA-LQG	0.250		0	0	NR	NR	NR	0
RCRA-SQG	0.250		0	0	NR	NR	NR	0
RCRA-VSQG	0.250		0	1	NR	NR	NR	1
Federal institutional controls / engineering controls registries								
LUCIS	0.500		0	0	0	NR	NR	0
US ENG CONTROLS	0.500		0	0	0	NR	NR	0
US INST CONTROLS	0.500		0	0	0	NR	NR	0
Federal ERNS list								
ERNS	0.001		0	NR	NR	NR	NR	0
Lists of state- and tribal hazardous waste facilities								
IL SSU	1.000		0	0	0	0	NR	0
Lists of state and tribal landfills and solid waste disposal facilities								
IL CCDD	0.500		0	0	0	NR	NR	0
IL SWF/LF	0.500		0	0	0	NR	NR	0
IL LF SPECIAL WASTE	0.500		0	0	0	NR	NR	0
IL NIPC	0.500		0	0	0	NR	NR	0

MAP FINDINGS SUMMARY

Database	Search Distance (Miles)	Target Property	< 1/8	1/8 - 1/4	1/4 - 1/2	1/2 - 1	> 1	Total Plotted
Lists of state and tribal leaking storage tanks								
IL LUST	0.500		0	0	26	NR	NR	26
INDIAN LUST	0.500		0	0	0	NR	NR	0
IL LUST TRUST	0.500		0	0	0	NR	NR	0
Lists of state and tribal registered storage tanks								
FEMA UST	0.250		0	0	NR	NR	NR	0
IL UST	0.250		0	0	NR	NR	NR	0
IL AST	0.250		2	0	NR	NR	NR	2
INDIAN UST	0.250		0	0	NR	NR	NR	0
State and tribal institutional control / engineering control registries								
IL ENG CONTROLS	0.500		0	0	6	NR	NR	6
IL INST CONTROL	0.500		0	0	7	NR	NR	7
Lists of state and tribal voluntary cleanup sites								
IL SRP	0.500		0	0	8	NR	NR	8
INDIAN VCP	0.500		0	0	0	NR	NR	0
Lists of state and tribal brownfield sites								
IL BROWNFIELDS	0.500		0	0	1	NR	NR	1
ADDITIONAL ENVIRONMENTAL RECORDS								
Local Brownfield lists								
US BROWNFIELDS	0.500		0	0	1	NR	NR	1
Local Lists of Landfill / Solid Waste Disposal Sites								
INDIAN ODI	0.500		0	0	0	NR	NR	0
DEBRIS REGION 9	0.500		0	0	0	NR	NR	0
ODI	0.500		0	0	0	NR	NR	0
IHS OPEN DUMPS	0.500		0	0	0	NR	NR	0
Local Lists of Hazardous waste / Contaminated Sites								
US HIST CDL	0.001		0	NR	NR	NR	NR	0
IL CDL	0.001		0	NR	NR	NR	NR	0
US CDL	0.001		0	NR	NR	NR	NR	0
Local Lists of Registered Storage Tanks								
IL TANKS	0.250		0	0	NR	NR	NR	0
Local Land Records								
LIENS 2	0.001		0	NR	NR	NR	NR	0
Records of Emergency Release Reports								
HMIRS	0.001		0	NR	NR	NR	NR	0

MAP FINDINGS SUMMARY

Database	Search Distance (Miles)	Target Property	< 1/8	1/8 - 1/4	1/4 - 1/2	1/2 - 1	> 1	Total Plotted
IL SPILLS	0.001		0	NR	NR	NR	NR	0
IL COMPLAINTS	0.001		0	NR	NR	NR	NR	0
IL SPILLS 90	0.001		0	NR	NR	NR	NR	0
Other Ascertainable Records								
RCRA NonGen / NLR	0.250		0	0	NR	NR	NR	0
FUDS	1.000		0	0	0	1	NR	1
DOD	1.000		0	0	0	0	NR	0
SCRD DRYCLEANERS	0.500		0	0	0	NR	NR	0
US FIN ASSUR	0.001		0	NR	NR	NR	NR	0
EPA WATCH LIST	0.001		0	NR	NR	NR	NR	0
2020 COR ACTION	0.250		0	0	NR	NR	NR	0
TSCA	0.001		0	NR	NR	NR	NR	0
TRIS	0.001		0	NR	NR	NR	NR	0
SSTS	0.001		0	NR	NR	NR	NR	0
ROD	1.000		0	0	0	0	NR	0
RMP	0.001		0	NR	NR	NR	NR	0
RAATS	0.001		0	NR	NR	NR	NR	0
PRP	0.001		0	NR	NR	NR	NR	0
PADS	0.001		0	NR	NR	NR	NR	0
ICIS	0.001		0	NR	NR	NR	NR	0
FTTS	0.001		0	NR	NR	NR	NR	0
MLTS	0.001		0	NR	NR	NR	NR	0
COAL ASH DOE	0.001		0	NR	NR	NR	NR	0
COAL ASH EPA	0.500		0	0	0	NR	NR	0
PCB TRANSFORMER	0.001		0	NR	NR	NR	NR	0
RADINFO	0.001		0	NR	NR	NR	NR	0
HIST FTTS	0.001		0	NR	NR	NR	NR	0
DOT OPS	0.001		0	NR	NR	NR	NR	0
CONSENT	1.000		0	0	0	0	NR	0
INDIAN RESERV	1.000		0	0	0	0	NR	0
FUSRAP	1.000		0	0	0	0	NR	0
UMTRA	0.500		0	0	0	NR	NR	0
LEAD SMELTERS	0.001		0	NR	NR	NR	NR	0
US AIRS	0.001		0	NR	NR	NR	NR	0
US MINES	0.250		0	0	NR	NR	NR	0
MINES MRDS	0.250		0	0	NR	NR	NR	0
ABANDONED MINES	0.250		0	0	NR	NR	NR	0
FINDS	0.001		0	NR	NR	NR	NR	0
UXO	1.000		0	0	0	0	NR	0
ECHO	0.001		0	NR	NR	NR	NR	0
DOCKET HWC	0.001		0	NR	NR	NR	NR	0
FUELS PROGRAM	0.250		0	0	NR	NR	NR	0
PFAS NPL	0.250		0	0	NR	NR	NR	0
PFAS FEDERAL SITES	0.250		0	0	NR	NR	NR	0
PFAS TSCA	0.250		0	0	NR	NR	NR	0
PFAS TRIS	0.250		0	0	NR	NR	NR	0
PFAS RCRA MANIFEST	0.250		0	0	NR	NR	NR	0
PFAS ATSDR	0.250		0	0	NR	NR	NR	0
PFAS WQP	0.250		0	0	NR	NR	NR	0
PFAS NPDES	0.250		0	0	NR	NR	NR	0

MAP FINDINGS SUMMARY

Database	Search Distance (Miles)	Target Property	< 1/8	1/8 - 1/4	1/4 - 1/2	1/2 - 1	> 1	Total Plotted
PFAS PROJECT	0.250		0	0	NR	NR	NR	0
PFAS ECHO	0.250		0	0	NR	NR	NR	0
PFAS ECHO FIRE TRAIN	0.250		0	0	NR	NR	NR	0
PFAS PT 139 AIRPORT	0.250		0	0	NR	NR	NR	0
AQUEOUS FOAM NRC	0.250		0	0	NR	NR	NR	0
BIOSOLIDS	0.001		0	NR	NR	NR	NR	0
UST FINDER RELEASE	0.500		0	0	21	NR	NR	21
UST FINDER	0.250		0	0	NR	NR	NR	0
E MANIFEST	0.250		0	1	NR	NR	NR	1
IL PFAS	0.250		0	0	NR	NR	NR	0
IL AIRS	0.001		0	NR	NR	NR	NR	0
IL ASBESTOS	0.001		0	NR	NR	NR	NR	0
IL BOL	0.001		0	NR	NR	NR	NR	0
IL COAL ASH	0.500		0	0	0	NR	NR	0
IL DRYCLEANERS	0.250		0	0	NR	NR	NR	0
IL Enforcement	0.001		0	NR	NR	NR	NR	0
IL CHICAGO INSPECT	0.001		0	NR	NR	NR	NR	0
IL Financial Assurance	0.001		0	NR	NR	NR	NR	0
IL HWAR	0.001		0	NR	NR	NR	NR	0
IL IMPDMENT	0.500		0	0	0	NR	NR	0
WI MANIFEST	0.250		0	0	NR	NR	NR	0
IL NPDES	0.001		0	NR	NR	NR	NR	0
IL PERMITS	0.001		0	NR	NR	NR	NR	0
IL PIMW	0.250		0	0	NR	NR	NR	0
IL TIER 2	0.001		0	NR	NR	NR	NR	0
IL UIC	0.001		0	NR	NR	NR	NR	0
EDR HIGH RISK HISTORICAL RECORDS								
EDR Exclusive Records								
EDR MGP	1.000		0	0	0	0	NR	0
EDR Hist Auto	0.125		0	NR	NR	NR	NR	0
EDR Hist Cleaner	0.125		0	NR	NR	NR	NR	0
EDR RECOVERED GOVERNMENT ARCHIVES								
Exclusive Recovered Govt. Archives								
IL RGA HWS	0.001		0	NR	NR	NR	NR	0
IL RGA LF	0.001		0	NR	NR	NR	NR	0
IL RGA LUST	0.001		0	NR	NR	NR	NR	0
- Totals --		0	2	2	70	1	0	75

NOTES:

TP = Target Property

NR = Not Requested at this Search Distance

Sites may be listed in more than one database

1
West
< 1/8
0.110 mi.
580 ft.

Relative:
Higher

AT & T-TANK #1-173
2312 LYONS STREET
EVANSTON, IL 60201

Click here for full text details

IL AST
Occupancy Number CN-059-1401899340793

Database(s): IL AST
EDR ID Number: A100393281
EPA ID Number: N/A

2
SW
< 1/8
0.120 mi.
635 ft.

Relative:
Lower

VERIZON WIRELESS MCCORMICK & DEMPSTER-TANK#1-200
2313 CHURCH STREET
EVANSTON, IL 60201

Click here for full text details

IL AST
Occupancy Number 1676324019262-CN-059

Database(s): IL AST
EDR ID Number: A100535088
EPA ID Number: N/A

3
SE
1/8-1/4
0.241 mi.
1270 ft.

Relative:
Higher

EVANSTON TOWNSHIP HS
1600 DODGE AVE
EVANSTON, IL 60201

Click here for full text details

RCRA-VSQG
EPA Id ILD984840686

FINDS
Registry ID: 110005899304

ECHO
Registry ID 110005899304

Database(s): RCRA-VSQG, FINDS, ECHO, E MANIFEST
EDR ID Number: 1004478708
EPA ID Number: ILD984840686

A4
NNE
1/4-1/2
0.262 mi.
1386 ft.

Relative:
Lower

OVER THE RAINBOW ASSOC.
2026 BROWN ST.
EVANSTON, IL 0

Click here for full text details

Database(s): UST FINDER RELEASE
EDR ID Number: 1028989169
EPA ID Number: N/A

A5
NNE
1/4-1/2
0.262 mi.
1386 ft.

Relative:
Lower

OVER THE RAINBOW ASSOC.
2026 BROWN ST.
EVANSTON, IL 60201

Click here for full text details

IL LUST
NFA/NFR Letter 9/9/1992

Database(s): IL LUST, IL BOL
EDR ID Number: S104524849
EPA ID Number: N/A

OVER THE RAINBOW ASSOC. (Continued) **S104524849**

Incident Num 921617
IL EPA Id 0310815132

IL BOL
Site Id 170000451473
Inv Num 0310815132

A6
NNE
1/4-1/2
0.262 mi.
1386 ft.

Relative:
Lower

RAINBOW UNIT 2 **UST FINDER RELEASE** **1028989166**
2030 BROWN ST. **N/A**
EVANSTON, IL 0

Click here for full text details

A7
NNE
1/4-1/2
0.262 mi.
1386 ft.

Relative:
Lower

RAINBOW UNIT 2 **IL LUST** **S104525069**
2030 BROWN ST. **IL BOL** **N/A**
EVANSTON, IL 60201

Click here for full text details

IL LUST
NFA/NFR Letter 10/27/1992
Incident Num 920863
IL EPA Id 0310815126

IL BOL
Site Id 170000451437
Inv Num 0310815126

B8
ESE
1/4-1/2
0.284 mi.
1501 ft.

Relative:
Higher

SCHEIN, DON **IL LUST** **S104792786**
1823 CHURCH ST **IL BOL** **N/A**
EVANSTON, IL 60201

Click here for full text details

IL LUST
NFA/NFR Letter 3/8/2001
Incident Num 20001615
IL EPA Id 0310815231

IL BOL
Site Id 170000452034
Inv Num 0310815231

B9
ESE
1/4-1/2
0.284 mi.
1501 ft.

Relative:
Higher

SCHEIN, DON
1823 CHURCH ST.
EVANSTON, IL 0

UST FINDER RELEASE

1028989204
N/A

Click here for full text details

B10
ESE
1/4-1/2
0.298 mi.
1576 ft.

Relative:
Higher

E-TOWN COMMUNITY VENTURES, LLC
1801-1805 CHURCH STREET
EVANSTON, IL 0

UST FINDER RELEASE

1028989236
N/A

Click here for full text details

B11
ESE
1/4-1/2
0.298 mi.
1576 ft.

Relative:
Higher

E-TOWN COMMUNITY VENTURES, LLC
1801-1805 CHURCH STREET
EVANSTON, IL 60102

IL LUST
IL ENG CONTROLS
IL INST CONTROL
IL SRP
IL SPILLS

S118194012
N/A

Click here for full text details

IL LUST
Incident Num 20150678
IL EPA Id 0310815369

IL ENG CONTROLS
Illinois Epa Id 0310815369

IL INST CONTROL
Illinois EPA Id 0310815369

IL SRP
IL EPA Id 0310815369

IL SPILLS
Incident ID 20150678

12
WNW
1/4-1/2
0.301 mi.
1590 ft.

Relative:
Higher

AMOCO OIL CO. #8723
9410 MCCORMICK
SKOKIE, IL 0

UST FINDER RELEASE

1028991777
N/A

Click here for full text details

13
NE
1/4-1/2
0.309 mi.
1631 ft.

Relative:
Lower

ST. ANDREWS EPISCOPAL CHURCH
1928 DARROW
EVANSTON, IL 60201

IL LUST | **S104792915**
N/A

Click here for full text details

IL LUST
Incident Num 20002119
IL EPA Id 0310815234

C14
East
1/4-1/2
0.347 mi.
1831 ft.

Relative:
Higher

ONYX WASTE SERVICES
1710 LYON ST.
EVANSTON, IL 60201

IL LUST | **S106058415**
N/A

Click here for full text details

IL LUST
NFA/NFR Letter 9/8/2004
Incident Num 20031305
IL EPA Id 0310810003

15
WSW
1/4-1/2
0.352 mi.
1857 ft.

Relative:
Lower

AMOCO OIL CO. #8723
9410 MCCORMICK
SKOKIE, IL 60077

IL LUST
IL BOL | **S104002811**
N/A

Click here for full text details

IL LUST
NFA/NFR Letter 11/29/2001
Incident Num 911924
IL EPA Id 0312885205

IL BOL
Site Id 170000379524
Inv Num 0312885205

C16
East
1/4-1/2
0.370 mi.
1952 ft.

Relative:
Higher

ONYX WASTE SERVICES
1710 LYON ST.
EVANSTON, IL 0

UST FINDER RELEASE | **1028989113**
N/A

Click here for full text details

C17
East
1/4-1/2
0.370 mi.
1952 ft.

Relative:
Higher

ACTIVE SERVICE CORP.
1710 LYONS ST.
EVANSTON, IL 60201

IL LUST **S106878946**
IL SPILLS **N/A**

Click here for full text details

IL LUST
NFA/NFR Letter 12/2/1994
Incident Num 923691
Incident Num 20050658
IL EPA Id 0310810003
IL EPA Id 0310815280

IL SPILLS
Incident ID 20050658

C18
East
1/4-1/2
0.370 mi.
1952 ft.

Relative:
Higher

ACTIVE SERVICE CORP.
1710 LYONS ST.
EVANSTON, IL 0

UST FINDER RELEASE **1028989112**
N/A

Click here for full text details

19
East
1/4-1/2
0.381 mi.
2012 ft.

Relative:
Higher

VEOLIA ENVIRONMENTAL SERVICES
1712 CHURCH ST
EVANSTON, IL 60201

IL LUST **S110157002**
IL SPILLS **N/A**
IL BOL
IL TIER 2

Click here for full text details

IL LUST
Incident Num 20210983
IL EPA Id 0310815013

IL SPILLS
Incident ID 20210983

IL BOL
Site Id 170000221196
Inv Num 0310815013

D20
ENE
1/4-1/2
0.383 mi.
2022 ft.

Relative:
Higher

UNITED STATES POSTAL SERV-EVANSTON
1700 EMERSON
EVANSTON, IL 60201

RCRA-VSQG **1004478336**
IL LUST **ILD984804641**
IL SPILLS
FINDS
ECHO
E MANIFEST
IL AIRS

Click here for full text details

RCRA-VSQG

UNITED STATES POSTAL SERV-EVANSTON (Continued) **1004478336**

EPA Id ILD984804641

IL LUST
NFA/NFR Letter 2/14/1991
NFA/NFR Letter 1/22/2008
Incident Num 902933
Incident Num 891640
Incident Num 881480
IL EPA Id 0310815062

IL SPILLS
Incident ID NL881480
Incident ID NL891640

FINDS
Registry ID: 110001336830

ECHO
Registry ID 110001336830

IL AIRS
Facility Id 14831

D21
ENE
1/4-1/2
0.383 mi.
2022 ft.

Relative:
Higher

U.S. POSTAL SERVICE **UST FINDER RELEASE** **1028989129**
1700 EMERSON ST. **N/A**
EVANSTON, IL 0

Click here for full text details

D22
ENE
1/4-1/2
0.392 mi.
2069 ft.

Relative:
Higher

ROBINSON BUS CO. **UST FINDER RELEASE** **1028989116**
EMERSON & DEWEY ST. **N/A**
EVANSTON, IL 0

Click here for full text details

D23
ENE
1/4-1/2
0.392 mi.
2069 ft.

Relative:
Higher

ROBINSON BUS CO. **IL LUST** **S103292656**
EMERSON & DEWEY ST. **N/A**
EVANSTON, IL 60201

Click here for full text details

IL LUST
NFA/NFR Letter 7/21/1995

ROBINSON BUS CO. (Continued) **S103292656**

Incident Num 930489
IL EPA Id 0310813010

24
WNW
1/4-1/2
0.394 mi.
2080 ft.

Relative:
Higher

CAMCO INC. **IL LUST** **S103293009**
3337 GOLF RD. **IL BOL** **N/A**
SKOKIE, IL 60076

Click here for full text details

IL LUST
Incident Num 942861
IL EPA Id 0312885276

IL BOL
Site Id 170000349077
Inv Num 0312885276

E25
SSE
1/4-1/2
0.396 mi.
2091 ft.

Relative:
Higher

CONTINENTAL CONSTRUCTION **IL LUST** **S104872148**
1919 GREENWOOD ST. **N/A**
EVANSTON, IL 60201

Click here for full text details

IL LUST
NFA/NFR Letter 9/10/2003
Incident Num 20002301
Incident Num 20010447
IL EPA Id 0310815235

E26
SSE
1/4-1/2
0.396 mi.
2091 ft.

Relative:
Higher

CONTINENTAL CONSTRUCTION **UST FINDER RELEASE** **1028989205**
1919 GREENWOOD ST. **N/A**
EVANSTON, IL 0

Click here for full text details

E27
SSE
1/4-1/2
0.396 mi.
2091 ft.

Relative:
Higher

CONTINENTAL CONSTRUCTION CO., INC. **UST FINDER** **1028312750**
1919 GREENWOOD **UST FINDER RELEASE** **N/A**
EVANSTON, IL 60201

Click here for full text details

F28
South
1/4-1/2
0.398 mi.
2101 ft.

Relative:
Lower

PELOUZE SCALE CO
2120 GREENWOOD AVE
EVANSTON, IL 60201

IL LUST
IL SPILLS
FINDS
ECHO
IL AIRS

1004471325
N/A

Click here for full text details

IL LUST
NFA/NFR Letter 7/28/1994
NFA/NFR Letter 10/3/1994
Incident Num 891056
Incident Num 900960
IL EPA Id 0310815011

IL SPILLS
Incident ID NL891056

FINDS
Registry ID: 110001677739

ECHO
Registry ID 110001677739

IL AIRS
Facility Id 1306

F29
South
1/4-1/2
0.398 mi.
2101 ft.

Relative:
Lower

PELOUZE SCALE
2120 GREENWOOD AVE.
EVANSTON, IL 0

UST FINDER RELEASE

1028989120
N/A

Click here for full text details

F30
South
1/4-1/2
0.398 mi.
2101 ft.

Relative:
Lower

PELOUZE SCALE CO.
2120 GREENWOOD AVE.
EVANSTON, IL 0

UST FINDER RELEASE

1028989119
N/A

Click here for full text details

F31
South
1/4-1/2
0.400 mi.
2111 ft.

Relative:
Lower

GROSMAN, ROBERT
2100 GREENWOOD AVE.
EVANSTON, IL 0

UST FINDER RELEASE

1028989186
N/A

Click here for full text details

F32
South
1/4-1/2
0.400 mi.
2111 ft.

Relative:
Lower

GROSMAN, ROBERT
2100 GREENWOOD AVE
EVANSTON, IL 60201

IL LUST
IL INST CONTROL
IL SRP
IL BOL

S105620807
N/A

Click here for full text details

IL LUST
NFA/NFR Letter 9/23/2003
Incident Num 20021443
IL EPA Id 0310815171

IL INST CONTROL
Illinois EPA Id 0310815171

IL SRP
IL EPA Id 0310815171

IL BOL
Site Id 170000314041
Inv Num 0310815171

D33
ENE
1/4-1/2
0.405 mi.
2138 ft.

Relative:
Higher

ROBINSON BUS SERVICE
1622 EMERSON ST.
EVANSTON, IL 0

UST FINDER RELEASE

1028989117
N/A

Click here for full text details

D34
ENE
1/4-1/2
0.405 mi.
2138 ft.

Relative:
Higher

ROBINSON BUS SERVICE, INC.
1622 EMERSON
EVANSTON, IL 60202

IL LUST
IL UST

U000175103
N/A

Click here for full text details

IL LUST
NFA/NFR Letter 1/12/2001
Incident Num 960718
IL EPA Id 0310813010

IL UST
Status CLOSED
Facility Id 2012971
Tank Status Removed

35
WNW
1/4-1/2
0.414 mi.
2186 ft.

Relative:
Higher

NEWTOWN CLEANERS
3347 GOLF ROAD
SKOKIE, IL 60203

IL ENG CONTROLS
IL INST CONTROL
IL SRP

S106541260
N/A

Click here for full text details

IL ENG CONTROLS
Illinois Epa Id 0312880036

IL INST CONTROL
Illinois EPA Id 0312880036

IL SRP
IL EPA Id 0312880036

G36
ESE
1/4-1/2
0.417 mi.
2203 ft.

Relative:
Higher

CYRUS HOMES INC
1613 CHURCH STREET
EVANSTON, IL 60201

IL SRP
IL BOL

S113257688
N/A

Click here for full text details

IL SRP
IL EPA Id 0310815294

IL BOL
Site Id 170001707945
Inv Num 0310815294

G37
East
1/4-1/2
0.431 mi.
2277 ft.

Relative:
Higher

CSE 1611, LLC
1611 CHURCH STREET
EVANSTON, IL 60201

IL LUST
IL SPILLS

S128633191
N/A

Click here for full text details

IL LUST
Incident Num 20220161
IL EPA Id 0310815397

IL SPILLS
Incident ID 20220161

H38
East
1/4-1/2
0.439 mi.
2318 ft.

Relative:
Higher

TAPECOAT COMPANY/ CHASE CORPORATION
1527 LYONS ST
EVANSTON, IL 60204

RCRA-VSQG
IL ENG CONTROLS
IL INST CONTROL
IL SRP
US AIRS
E MANIFEST
IL BOL
WI MANIFEST
IL TIER 2

1000201012
ILD005252796

Click here for full text details

TAPECOAT COMPANY/ CHASE CORPORATION (Continued) **1000201012**

RCRA-VSQG
EPA Id ILD005252796

IL ENG CONTROLS
Illinois Epa Id 0310815020

IL INST CONTROL
Illinois EPA Id 0310815020

IL SRP
IL EPA Id 0310815020

US AIRS
EPA plant ID: 110000432112

IL BOL
Site Id 170000020215
Inv Num 0310815020

WI MANIFEST
ACT Status A
FID 0
EPA ID ILD005252796

I39
ENE
1/4-1/2
0.443 mi.
2337 ft.

Relative:
Higher

EVANSTON, CITY OF **UST FINDER RELEASE** **1028989148**
1655 FOSTER **N/A**
EVANSTON, IL 0

Click here for full text details

I40
ENE
1/4-1/2
0.443 mi.
2337 ft.

Relative:
Higher

FLEETWOOD JOURDAIN COM CTR **IL LUST** **U000792639**
1655 FOSTER ST **IL UST** **N/A**
EVANSTON, IL 60201 **IL BOL**

Click here for full text details

IL LUST
NFA/NFR Letter 1/15/2009
Incident Num 910482
IL EPA Id 0310815096

IL UST
Status CLOSED

FLEETWOOD JOURDAIN COM CTR (Continued) **U000792639**

Facility Id 2026360
Tank Status Removed

IL BOL
Site Id 170000451268
Inv Num 0310815096

J41
SSE
1/4-1/2
0.445 mi.
2347 ft.

Relative:
Lower

DICKSON WEATHERPROOF NAIL CO. **UST FINDER RELEASE** **1028989122**
1900 GREENWOOD ST. **N/A**
EVANSTON, IL 0

Click here for full text details

J42
SSE
1/4-1/2
0.445 mi.
2347 ft.

Relative:
Lower

DICKSON WEATHERPROOF NAIL CO. **IL LUST** **1005635734**
1900 GREENWOOD **FINDS** **N/A**
EVANSTON, IL 60201 **ECHO**
IL AIRS
IL BOL

Click here for full text details

IL LUST
NFA/NFR Letter 6/6/2000
Incident Num 952405
IL EPA Id 0310815017

FINDS
Registry ID: 110001344313

ECHO
Registry ID 110001344313

IL AIRS
Facility Id 14903

IL BOL
Site Id 170000020607
Inv Num 0310815017

H43
East
1/4-1/2
0.455 mi.
2400 ft.

Relative:
Higher

TAPECOAT CO. **IL LUST** **S103689078**
1523 LYONS ST. **N/A**
EVANSTON, IL 60204

Click here for full text details

IL LUST
Incident Num 960814

TAPECOAT CO. (Continued) **S103689078**

IL EPA Id 0310815020

G44
East
1/4-1/2
0.457 mi.
2414 ft.

Relative:
Higher

JOHN J CAHILL INC **UST FINDER** **1028311073**
1515 CHURCH ST **UST FINDER RELEASE** **N/A**
EVANSTON, IL 60201

Click here for full text details

G45
East
1/4-1/2
0.457 mi.
2414 ft.

Relative:
Higher

JOHN J. CAHILL INC. **IL LUST** **S100530992**
1515 CHURCH ST. **N/A**
EVANSTON, IL 60204

Click here for full text details

IL LUST
NFA/NFR Letter 1/15/1993
Incident Num 920776
IL EPA Id 0310815118

K46
South
1/4-1/2
0.464 mi.
2449 ft.

Relative:
Lower

ST. FRANCIS HOSPITAL **UST FINDER RELEASE** **1028989179**
1310 HARTREY **N/A**
EVANSTON, IL 0

Click here for full text details

K47
South
1/4-1/2
0.464 mi.
2449 ft.

Relative:
Lower

ST. FRANCIS HOSPITAL **IL LUST** **S103689076**
1310 HARTREY **N/A**
EVANSTON, IL 60201

Click here for full text details

IL LUST
NFA/NFR Letter 7/22/2003
Incident Num 923698
IL EPA Id 0310815143

L48
ENE
1/4-1/2
0.468 mi.
2469 ft.

Relative:
Higher

EMSQ, LLC **IL LUST** **S111888155**
1600 FOSTER STREET **IL SPILLS** **N/A**
EVANSTON, IL 60204

Click here for full text details

IL LUST
Incident Num 20121320

EMSQ, LLC (Continued) **S111888155**

IL EPA Id 0310815028

IL SPILLS
Incident ID 19931693
Incident ID 20121320

L49
ENE
1/4-1/2
0.468 mi.
2469 ft.

Relative:
Higher

1600 FOSTER AVENUE
1600 FOSTER AVENUE
EVANSTON, IL 60201

US BROWNFIELDS **1000243663**
RCRA NonGen / NLR **ILD005121207**
FINDS
ECHO

Click here for full text details

RCRA NonGen / NLR
EPA Id ILD005121207

FINDS
Registry ID: 110005814146
Registry ID: 110055085090

ECHO
Registry ID 110005814146

L50
ENE
1/4-1/2
0.468 mi.
2469 ft.

Relative:
Higher

BISHOP FREEMAN
1600 FOSTER ST
EVANSTON, IL 60204

IL ENG CONTROLS **S110847983**
IL INST CONTROL **N/A**
IL SRP
IL BROWNFIELDS
IL BOL

Click here for full text details

IL ENG CONTROLS
Illinois Epa Id 0310815028

IL INST CONTROL
Illinois EPA Id 0310815028

IL SRP
IL EPA Id 0310815028

IL BROWNFIELDS
IL EPA ID 0310815028

IL BOL
Site Id 170000210705
Inv Num 0310815028

M51
ENE
1/4-1/2
0.473 mi.
2500 ft.

Relative:
Higher

ROBINSON RENTALS, INC.
1528 EMERSON STREET
EVANSTON, IL 0

UST FINDER RELEASE

1028989126
N/A

Click here for full text details

M52
ENE
1/4-1/2
0.473 mi.
2500 ft.

Relative:
Higher

POSITIVE CONNECTIONS - EVANSTON
1528 EMERSON STREET
EVANSTON, IL 60201

IL LUST
IL SPILLS
IL BOL
IL TIER 2

S109699787
N/A

Click here for full text details

IL LUST
NFA/NFR Letter 11/16/2010
Incident Num 20090690
Incident Num 20090958
IL EPA Id 0310815042

IL SPILLS
Incident ID 20090690
Incident ID 20090958

IL BOL
Site Id 170000225165
Inv Num 0310815042

M53
ENE
1/4-1/2
0.473 mi.
2500 ft.

Relative:
Higher

ROBINSON BUS SERVICE INC
1528 EMERSON
EVANSTON, IL 60201

IL LUST
RCRA NonGen / NLR
FINDS
ECHO

1000258496
ILD054330998

Click here for full text details

IL LUST
Incident Num 20000092
IL EPA Id 0310815042

RCRA NonGen / NLR
EPA Id ILD054330998

FINDS
Registry ID: 110005832171

ECHO
Registry ID 110005832171

N54
South
1/4-1/2
0.487 mi.
2570 ft.

Relative:
Lower

PRL INDUSTRIES LLC
2025 DEMPSTER STREET
EVANSTON, IL 0

UST FINDER RELEASE

1028989224
N/A

Click here for full text details

N55
South
1/4-1/2
0.487 mi.
2570 ft.

Relative:
Lower

PRL INDUSTRIES LLC
2025 DEMPSTER STREET
EVANSTON, IL 60201

IL LUST
IL AIRS

S107745121
N/A

Click here for full text details

IL LUST
NFA/NFR Letter 5/4/2009
Incident Num 20081763
IL EPA Id 0310815311

IL AIRS
Facility Id 1294

K56
South
1/4-1/2
0.493 mi.
2603 ft.

Relative:
Lower

AQUA JET SELF-SERVICE CAR WASH
2201 DEMPSTER STREET
EVANSTON, IL 60201

IL ENG CONTROLS
IL INST CONTROL
IL SRP
IL BOL

S111419130
N/A

Click here for full text details

IL ENG CONTROLS
Illinois Epa Id 0310815338

IL INST CONTROL
Illinois EPA Id 0310815338

IL SRP
IL EPA Id 0310815338

IL BOL
Site Id 170001908345
Inv Num 0310815338

57
NE
1/4-1/2
0.498 mi.
2627 ft.

Relative:
Higher

BRINNSP, LLC
2113 DEWEY AVENUE
EVANSTON, IL 60201

IL ENG CONTROLS
IL INST CONTROL
IL SRP

S113248883
N/A

Click here for full text details

IL ENG CONTROLS
Illinois Epa Id 0310815349

BRINNSP, LLC (Continued) **S113248883**

IL INST CONTROL
Illinois EPA Id 0310815349

IL SRP
IL EPA Id 0310815349

58
East
1/2-1
0.552 mi.
2914 ft.

Relative:
Higher

NORTHWESTERN UNIVERSITY CWM SITE **FUDS** **1024900182**
N/A

EVANSTON, IL

Click here for full text details

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

St	Acronym	Full Name	Government Agency	Gov Date	Arvl. Date	Active Date
IL	AIRS	Air Inventory Listing	Illinois EPA	07/01/2024	07/02/2024	09/25/2024
IL	ASBESTOS	Asbestos Notification Tracker Information	Illinois EPA	06/21/2024	06/26/2024	09/16/2024
IL	AST	Above Ground Storage Tanks	State Fire Marshal	08/08/2024	08/13/2024	10/29/2024
IL	BOL	Bureau of Land Inventory Database	Illinois Environmental Protection Agency	10/16/2023	04/23/2024	07/16/2024
IL	BROWNFIELDS	Redevelopment Assessment Database	Illinois Environmental Protection Agency	07/15/2024	07/16/2024	09/27/2024
IL	BROWNFIELDS	Municipal Brownfields Redevelopment Grant Program Project De	Illinois Environmental Protection Agency	02/11/2010	07/31/2014	09/08/2014
IL	CCDD	Clean Construction or Demolition Debris	Illinois EPA	03/28/2024	07/02/2024	09/24/2024
IL	CDL	Meth Drug Lab Site Listing	Department of Public Health	07/05/2024	07/08/2024	09/27/2024
IL	COAL ASH	Coal Ash Site Listing	Illinois EPA	10/01/2011	03/09/2012	04/10/2012
IL	DRYCLEANERS	Illinois Licensed Drycleaners	Drycleaner Environmental Response Trust Fund	07/02/2024	08/12/2024	10/29/2024
IL	ENG CONTROLS	Sites with Engineering Controls	Illinois Environmental Protection Agency	06/24/2024	06/25/2024	09/13/2024
IL	FIN ASSURANCE	Financial Assurance Information Listing	Illinois Environmental Protection Agency	08/28/2024	09/12/2024	11/25/2024
IL	HWAR	Hazard Waste Annual Report	Illinois EPA	12/31/2019	05/11/2021	08/02/2021
IL	IEMA SPILLS	Illinois Emergency Management Agency Spills	Illinois Emergency Management Agency	07/22/2024	07/23/2024	10/11/2024
IL	IL NIPC	Solid Waste Landfill Inventory	Northeastern Illinois Planning Commission	08/01/1988	04/07/2022	07/01/2022
IL	IMPDMENT	Surface Impoundment Inventory	Illinois Waste Management & Research Center	12/31/1980	03/08/2002	06/03/2002
IL	Inst Control	Institutional Controls	Illinois Environmental Protection Agency	06/24/2024	06/25/2024	09/13/2024
IL	LF SPECIAL WASTE	Special Waste Site List	Illinois EPA	01/01/1990	06/17/2009	07/15/2009
IL	LF WMRC	Waste Management & Research Center Landfill Database	Department of Natural Resources	12/31/2001	10/06/2006	11/06/2006
IL	LUST	Leaking Underground Storage Tank Sites	Illinois Environmental Protection Agency	07/15/2024	07/16/2024	09/27/2024
IL	LUST TRUST	Underground Storage Tank Fund Payment Priority List	Illinois EPA	06/06/2016	07/27/2016	10/18/2016
IL	NPDES	A Listing of Active Permits	Illinois EPA	04/16/2014	04/18/2014	05/20/2014
IL	PFAS	PFAS Sampling Listing	Illinois Environmental Protection Agency	12/15/2023	12/27/2023	12/29/2023
IL	PIMW	Potentially Infectious Medical Waste	Illinois EPA	09/09/2024	09/11/2024	11/19/2024
IL	RGA HWS	Recovered Government Archive State Hazardous Waste Facilitie	Department of Natural Resources		07/01/2013	12/30/2013
IL	RGA LF	Recovered Government Archive Solid Waste Facilities List	Illinois Environmental Protection Agency		07/01/2013	01/10/2014
IL	RGA LUST	Recovered Government Archive Leaking Underground Storage Tan	Illinois Environmental Protection Agency		07/01/2013	12/30/2013
IL	SPILLS	State spills	Illinois EPA	05/06/2024	07/02/2024	09/24/2024
IL	SPILLS 90	SPILLS90 data from FirstSearch	FirstSearch	07/18/2012	01/03/2013	03/15/2013
IL	SRP	Site Remediation Program Database	Illinois Environmental Protection Agency	06/24/2024	06/25/2024	09/13/2024
IL	SSU	State Sites Unit Listing	Illinois Environmental Protection Agency	01/31/2024	01/31/2024	02/13/2024
IL	SWF/LF	Available Disposal for Solid Waste in Illinois - Solid Waste	Illinois Environmental Protection Agency	12/31/2022	10/17/2023	01/08/2024
IL	TIER 2	Tier 2 Information Listing	Illinois Emergency Management Agency	12/31/2023	05/07/2024	08/01/2024
IL	UIC	Underground Injection Wells	Illinois EPA	02/15/2024	05/22/2024	08/19/2024
IL	UST	Underground Storage Tank Facility List	Illinois State Fire Marshal	07/15/2024	07/16/2024	09/27/2024
US	2020 COR ACTION	2020 Corrective Action Program List	Environmental Protection Agency	09/30/2017	05/08/2018	07/20/2018
US	ABANDONED MINES	Abandoned Mines	Department of Interior	09/10/2024	09/11/2024	11/19/2024
US	AQUEOUS FOAM NRC	Aqueous Foam Related Incidents Listing	Environmental Protection Agency	07/01/2024	07/01/2024	07/12/2024
US	BIOSOLIDS	ICIS-NPDES Biosolids Facility Data	Environmental Protection Agency	10/13/2024	10/16/2024	10/23/2024
US	BRS	Biennial Reporting System	EPA/NTIS	12/31/2021	03/09/2023	03/20/2023
US	COAL ASH DOE	Steam-Electric Plant Operation Data	Department of Energy	12/31/2022	11/27/2023	02/22/2024
US	COAL ASH EPA	Coal Combustion Residues Surface Impoundments List	Environmental Protection Agency	01/12/2017	03/05/2019	11/11/2019
US	CONSENT	Superfund (CERCLA) Consent Decrees	Department of Justice, Consent Decree Library	06/30/2024	07/08/2024	09/26/2024
US	CORRACTS	Corrective Action Report	EPA	06/03/2024	06/07/2024	06/20/2024
US	DEBRIS REGION 9	Torres Martinez Reservation Illegal Dump Site Locations	EPA, Region 9	01/12/2009	05/07/2009	09/21/2009
US	DOCKET HWC	Hazardous Waste Compliance Docket Listing	Environmental Protection Agency	05/06/2021	05/21/2021	08/11/2021
US	DOD	Department of Defense Sites	USGS	06/07/2021	07/13/2021	03/09/2022

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

St	Acronym	Full Name	Government Agency	Gov Date	Arvl. Date	Active Date
US	DOT OPS	Incident and Accident Data	Department of Transporation, Office of Pipeli	01/02/2020	01/28/2020	04/17/2020
US	Delisted NPL	National Priority List Deletions	EPA	09/25/2024	10/01/2024	10/23/2024
US	E MANIFEST	Hazardous Waste Electronic Manifest System	Environmental Protection Agency	07/24/2023	04/18/2024	06/06/2024
US	ECHO	Enforcement & Compliance History Information	Environmental Protection Agency	06/23/2024	06/28/2024	07/12/2024
US	EDR Hist Auto	EDR Exclusive Historical Auto Stations	EDR, Inc.			
US	EDR Hist Cleaner	EDR Exclusive Historical Cleaners	EDR, Inc.			
US	EDR MGP	EDR Proprietary Manufactured Gas Plants	EDR, Inc.			
US	EPA WATCH LIST	EPA Watch List	Environmental Protection Agency	08/30/2013	03/21/2014	06/17/2014
US	ERNS	Emergency Response Notification System	National Response Center, United States Coast	06/11/2024	06/17/2024	09/04/2024
US	FEDERAL FACILITY	Federal Facility Site Information listing	Environmental Protection Agency	06/07/2024	06/25/2024	09/19/2024
US	FEDLAND	Federal and Indian Lands	U.S. Geological Survey	04/02/2018	04/11/2018	11/06/2019
US	FEMA UST	Underground Storage Tank Listing	FEMA	03/15/2024	03/19/2024	06/17/2024
US	FINDS	Facility Index System/Facility Registry System	EPA	08/13/2024	08/20/2024	08/28/2024
US	FTTS	FIFRA/ TSCA Tracking System - FIFRA (Federal Insecticide, Fu	EPA/Office of Prevention, Pesticides and Toxi	04/09/2009	04/16/2009	05/11/2009
US	FTTS INSP	FIFRA/ TSCA Tracking System - FIFRA (Federal Insecticide, Fu	EPA	04/09/2009	04/16/2009	05/11/2009
US	FUDS	Formerly Used Defense Sites	U.S. Army Corps of Engineers	07/31/2024	08/12/2024	10/09/2024
US	FUELS PROGRAM	EPA Fuels Program Registered Listing	EPA	08/13/2024	08/13/2024	10/09/2024
US	FUSRAP	Formerly Utilized Sites Remedial Action Program	Department of Energy	03/03/2023	03/03/2023	06/09/2023
US	HIST FTTS	FIFRA/TSCA Tracking System Administrative Case Listing	Environmental Protection Agency	10/19/2006	03/01/2007	04/10/2007
US	HIST FTTS INSP	FIFRA/TSCA Tracking System Inspection & Enforcement Case Lis	Environmental Protection Agency	10/19/2006	03/01/2007	04/10/2007
US	HMIRS	Hazardous Materials Information Reporting System	U.S. Department of Transportation	06/14/2024	06/17/2024	06/24/2024
US	ICIS	Integrated Compliance Information System	Environmental Protection Agency	11/18/2016	11/23/2016	02/10/2017
US	IHS OPEN DUMPS	Open Dumps on Indian Land	Department of Health & Human Serivces, Indian	02/07/2024	11/13/2024	11/19/2024
US	INDIAN LUST R1	Leaking Underground Storage Tanks on Indian Land	EPA Region 1	05/07/2024	05/30/2024	08/28/2024
US	INDIAN LUST R10	Leaking Underground Storage Tanks on Indian Land	EPA Region 10	05/07/2024	05/30/2024	08/28/2024
US	INDIAN LUST R4	Leaking Underground Storage Tanks on Indian Land	EPA Region 4	05/07/2024	05/30/2024	08/28/2024
US	INDIAN LUST R5	Leaking Underground Storage Tanks on Indian Land	EPA, Region 5	04/11/2024	05/30/2024	08/28/2024
US	INDIAN LUST R6	Leaking Underground Storage Tanks on Indian Land	EPA Region 6	05/07/2024	05/30/2024	08/28/2024
US	INDIAN LUST R7	Leaking Underground Storage Tanks on Indian Land	EPA Region 7	05/07/2024	05/30/2024	08/28/2024
US	INDIAN LUST R8	Leaking Underground Storage Tanks on Indian Land	EPA Region 8	05/07/2024	05/30/2024	08/28/2024
US	INDIAN LUST R9	Leaking Underground Storage Tanks on Indian Land	Environmental Protection Agency	05/07/2024	05/30/2024	08/28/2024
US	INDIAN ODI	Report on the Status of Open Dumps on Indian Lands	Environmental Protection Agency	12/31/1998	12/03/2007	01/24/2008
US	INDIAN RESERV	Indian Reservations	USGS	12/31/2014	07/14/2015	01/10/2017
US	INDIAN UST R1	Underground Storage Tanks on Indian Land	EPA, Region 1	05/14/2024	05/30/2024	08/28/2024
US	INDIAN UST R10	Underground Storage Tanks on Indian Land	EPA Region 10	05/14/2024	05/30/2024	08/28/2024
US	INDIAN UST R4	Underground Storage Tanks on Indian Land	EPA Region 4	05/14/2024	05/30/2024	08/28/2024
US	INDIAN UST R5	Underground Storage Tanks on Indian Land	EPA Region 5	04/11/2024	05/30/2024	08/28/2024
US	INDIAN UST R6	Underground Storage Tanks on Indian Land	EPA Region 6	05/14/2024	05/30/2024	08/28/2024
US	INDIAN UST R7	Underground Storage Tanks on Indian Land	EPA Region 7	05/14/2024	05/30/2024	08/28/2024
US	INDIAN UST R8	Underground Storage Tanks on Indian Land	EPA Region 8	05/14/2024	05/30/2024	08/28/2024
US	INDIAN UST R9	Underground Storage Tanks on Indian Land	EPA Region 9	05/14/2024	05/30/2024	08/28/2024
US	INDIAN VCP R1	Voluntary Cleanup Priority Listing	EPA, Region 1	07/27/2015	09/29/2015	02/18/2016
US	INDIAN VCP R7	Voluntary Cleanup Priority Lisitng	EPA, Region 7	03/20/2008	04/22/2008	05/19/2008
US	LEAD SMELTER 1	Lead Smelter Sites	Environmental Protection Agency	09/25/2024	10/01/2024	10/23/2024
US	LEAD SMELTER 2	Lead Smelter Sites	American Journal of Public Health	04/05/2001	10/27/2010	12/02/2010
US	LIENS 2	CERCLA Lien Information	Environmental Protection Agency	09/25/2024	10/01/2024	10/23/2024
US	LUCIS	Land Use Control Information System	Department of the Navy	07/15/2024	07/17/2024	10/09/2024

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

St	Acronym	Full Name	Government Agency	Gov Date	Arvl. Date	Active Date
US	MINES MRDS	Mineral Resources Data System	USGS	08/23/2022	11/22/2022	02/28/2023
US	MINES VIOLATIONS	MSHA Violation Assessment Data	DOL, Mine Safety & Health Admi	10/01/2024	10/02/2024	10/09/2024
US	MLTS	Material Licensing Tracking System	Nuclear Regulatory Commission	10/12/2024	10/17/2024	11/19/2024
US	NPL	National Priority List	EPA	09/25/2024	10/01/2024	10/23/2024
US	NPL LIENS	Federal Superfund Liens	EPA	10/15/1991	02/02/1994	03/30/1994
US	ODI	Open Dump Inventory	Environmental Protection Agency	06/30/1985	08/09/2004	09/17/2004
US	PADS	PCB Activity Database System	EPA	05/23/2024	07/02/2024	09/26/2024
US	PCB TRANSFORMER	PCB Transformer Registration Database	Environmental Protection Agency	09/13/2019	11/06/2019	02/10/2020
US	PCS	Permit Compliance System	EPA, Office of Water	12/16/2016	01/06/2017	03/10/2017
US	PCS ENF	Enforcement data	EPA	12/31/2014	02/05/2015	03/06/2015
US	PFAS ATSDR	PFAS Contamination Site Location Listing	Department of Health & Human Services	06/24/2020	03/17/2021	11/08/2022
US	PFAS ECHO	Facilities in Industries that May Be Handling PFAS Listing	Environmental Protection Agency	07/01/2024	07/01/2024	07/12/2024
US	PFAS ECHO FIRE TRAIN	Facilities in Industries that May Be Handling PFAS Listing	Environmental Protection Agency	07/01/2024	07/01/2024	07/12/2024
US	PFAS FEDERAL SITES	Federal Sites PFAS Information	Environmental Protection Agency	07/01/2024	07/01/2024	07/12/2024
US	PFAS NPDES	Clean Water Act Discharge Monitoring Information	Environmental Protection Agency	07/01/2024	07/01/2024	07/12/2024
US	PFAS NPL	Superfund Sites with PFAS Detections Information	Environmental Protection Agency	07/01/2024	07/01/2024	07/12/2024
US	PFAS PROJECT	NORTHEASTERN UNIVERSITY PFAS PROJECT	Social Science Environmental Health Research	05/19/2023	04/05/2024	06/06/2024
US	PFAS PT 139 AIRPORT	All Certified Part 139 Airports PFAS Information Listing	Environmental Protection Agency	07/01/2024	07/01/2024	07/12/2024
US	PFAS RCRA MANIFEST	PFAS Transfers Identified In the RCRA Database Listing	Environmental Protection Agency	07/01/2024	07/01/2024	07/12/2024
US	PFAS TRIS	List of PFAS Added to the TRI	Environmental Protection Agency	07/01/2024	07/01/2024	07/12/2024
US	PFAS TSCA	PFAS Manufacture and Imports Information	Environmental Protection Agency	07/01/2024	07/01/2024	07/12/2024
US	PFAS WQP	Ambient Environmental Sampling for PFAS	Environmental Protection Agency	07/01/2024	07/01/2024	07/12/2024
US	PRP	Potentially Responsible Parties	EPA	09/19/2023	10/03/2023	10/19/2023
US	Proposed NPL	Proposed National Priority List Sites	EPA	09/25/2024	10/01/2024	10/23/2024
US	RAATS	RCRA Administrative Action Tracking System	EPA	04/17/1995	07/03/1995	08/07/1995
US	RADINFO	Radiation Information Database	Environmental Protection Agency	07/01/2019	07/01/2019	09/23/2019
US	RCRA NonGen / NLR	RCRA - Non Generators / No Longer Regulated	Environmental Protection Agency	06/03/2024	06/07/2024	06/20/2024
US	RCRA-LQG	RCRA - Large Quantity Generators	Environmental Protection Agency	06/03/2024	06/07/2024	06/20/2024
US	RCRA-SQG	RCRA - Small Quantity Generators	Environmental Protection Agency	06/03/2024	06/07/2024	06/20/2024
US	RCRA-TSDF	RCRA - Treatment, Storage and Disposal	Environmental Protection Agency	06/03/2024	06/07/2024	06/20/2024
US	RCRA-VSQG	RCRA - Very Small Quantity Generators (Formerly Conditionall	Environmental Protection Agency	06/03/2024	06/07/2024	06/20/2024
US	RMP	Risk Management Plans	Environmental Protection Agency	07/12/2024	07/17/2024	10/09/2024
US	ROD	Records Of Decision	EPA	10/24/2024	11/01/2024	11/19/2024
US	SCRD DRYCLEANERS	State Coalition for Remediation of Drycleaners Listing	Environmental Protection Agency	07/30/2021	02/03/2023	02/10/2023
US	SEMS	Superfund Enterprise Management System	EPA	09/25/2024	10/01/2024	10/23/2024
US	SEMS-ARCHIVE	Superfund Enterprise Management System Archive	EPA	09/25/2024	10/01/2024	10/23/2024
US	SSTS	Section 7 Tracking Systems	EPA	07/11/2024	07/11/2024	07/12/2024
US	TRIS	Toxic Chemical Release Inventory System	EPA	12/31/2022	11/13/2023	02/07/2024
US	TSCA	Toxic Substances Control Act	EPA	12/31/2020	06/14/2022	03/24/2023
US	UMTRA	Uranium Mill Tailings Sites	Department of Energy	05/08/2024	08/14/2024	08/28/2024
US	US AIRS (AFS)	Aerometric Information Retrieval System Facility Subsystem (	EPA	10/12/2016	10/26/2016	02/03/2017
US	US AIRS MINOR	Air Facility System Data	EPA	10/12/2016	10/26/2016	02/03/2017
US	US BROWNFIELDS	A Listing of Brownfields Sites	Environmental Protection Agency	06/10/2024	06/11/2024	09/04/2024
US	US CDL	Clandestine Drug Labs	Drug Enforcement Administration	05/20/2024	08/19/2024	10/09/2024
US	US ENG CONTROLS	Engineering Controls Sites List	Environmental Protection Agency	07/24/2024	08/08/2024	08/15/2024
US	US FIN ASSUR	Financial Assurance Information	Environmental Protection Agency	06/10/2024	06/17/2024	09/04/2024
US	US HIST CDL	National Clandestine Laboratory Register	Drug Enforcement Administration	05/20/2024	08/19/2024	10/09/2024

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

St	Acronym	Full Name	Government Agency	Gov Date	Arvl. Date	Active Date
US	US INST CONTROLS	Institutional Controls Sites List	Environmental Protection Agency	07/24/2024	08/08/2024	08/15/2024
US	US MINES	Mines Master Index File	Department of Labor, Mine Safety and Health A	08/06/2024	08/14/2024	08/15/2024
US	US MINES 2	Ferrous and Nonferrous Metal Mines Database Listing	USGS	05/02/2024	08/20/2024	10/09/2024
US	US MINES 3	Active Mines & Mineral Plants Database Listing	USGS	04/14/2011	06/08/2011	09/13/2011
US	UST FINDER	UST Finder Database	Environmental Protection Agency	06/08/2023	10/04/2023	01/18/2024
US	UST FINDER RELEASE	UST Finder Releases Database	Environmental Protecton Agency	06/08/2023	10/31/2023	01/18/2024
US	UXO	Unexploded Ordnance Sites	Department of Defense	09/06/2023	09/13/2023	12/11/2023
CT	CT MANIFEST	Hazardous Waste Manifest Data	Department of Energy & Environmental Protecti	08/05/2024	08/06/2024	10/25/2024
NJ	NJ MANIFEST	Manifest Information	Department of Environmental Protection	12/31/2018	04/10/2019	05/16/2019
NY	NY MANIFEST	Facility and Manifest Data	Department of Environmental Conservation	12/31/2019	11/30/2023	12/01/2023
PA	PA MANIFEST	Manifest Information	Department of Environmental Protection	06/30/2018	07/19/2019	09/10/2019
RI	RI MANIFEST	Manifest information	Department of Environmental Management	12/31/2020	11/30/2021	02/18/2022
WI	WI MANIFEST	Manifest Information	Department of Natural Resources	05/31/2018	06/19/2019	09/03/2019
US	AHA Hospitals	Sensitive Receptor: AHA Hospitals	American Hospital Association, Inc.			
US	Medical Centers	Sensitive Receptor: Medical Centers	Centers for Medicare & Medicaid Services			
US	Nursing Homes	Sensitive Receptor: Nursing Homes	National Institutes of Health			
US	Public Schools	Sensitive Receptor: Public Schools	National Center for Education Statistics			
US	Private Schools	Sensitive Receptor: Private Schools	National Center for Education Statistics			
IL	Daycare Centers	Sensitive Receptor: Homes & Centers Listing	Department of Children & Family Services			
US	Flood Zones	100-year and 500-year flood zones	Emergency Management Agency (FEMA)			
US	NWI	National Wetlands Inventory	U.S. Fish and Wildlife Service			
IL	State Wetlands	Wetland Inventory	Illinois State Geological Survey			
US	Topographic Map		U.S. Geological Survey			
US	Oil/Gas Pipelines		Endeavor Business Media			
US	Electric Power Transmission Line Data		Endeavor Business Media			

STREET AND ADDRESS INFORMATION

© 2015 TomTom North America, Inc. All rights reserved. This material is proprietary and the subject of copyright protection and other intellectual property rights owned by or licensed to Tele Atlas North America, Inc. The use of this material is subject to the terms of a license agreement. You will be held liable for any unauthorized copying or disclosure of this material.

GEOCHECK ®- PHYSICAL SETTING SOURCE ADDENDUM

TARGET PROPERTY ADDRESS

9826-F HARTREY FROM CHURCH TO EMERSON
HARTREY & CHURCH
EVANSTON, IL 60201

TARGET PROPERTY COORDINATES

Latitude (North):	42.050114 - 42° 3' 0.41''
Longitude (West):	87.703622 - 87° 42' 13.04''
Universal Tranverse Mercator:	Zone 16
UTM X (Meters):	441771.7
UTM Y (Meters):	4655366.0
Elevation:	599 ft. above sea level

USGS TOPOGRAPHIC MAP

Target Property Map:	24185589 EVANSTON, IL
Version Date:	2021

EDR's GeoCheck Physical Setting Source Addendum is provided to assist the environmental professional in forming an opinion about the impact of potential contaminant migration.

Assessment of the impact of contaminant migration generally has two principle investigative components:

1. Groundwater flow direction, and
2. Groundwater flow velocity.

Groundwater flow direction may be impacted by surface topography, hydrology, hydrogeology, characteristics of the soil, and nearby wells. Groundwater flow velocity is generally impacted by the nature of the geologic strata.

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

GROUNDWATER FLOW DIRECTION INFORMATION

Groundwater flow direction for a particular site is best determined by a qualified environmental professional using site-specific well data. If such data is not reasonably ascertainable, it may be necessary to rely on other sources of information, such as surface topographic information, hydrologic information, hydrogeologic data collected on nearby properties, and regional groundwater flow information (from deep aquifers).

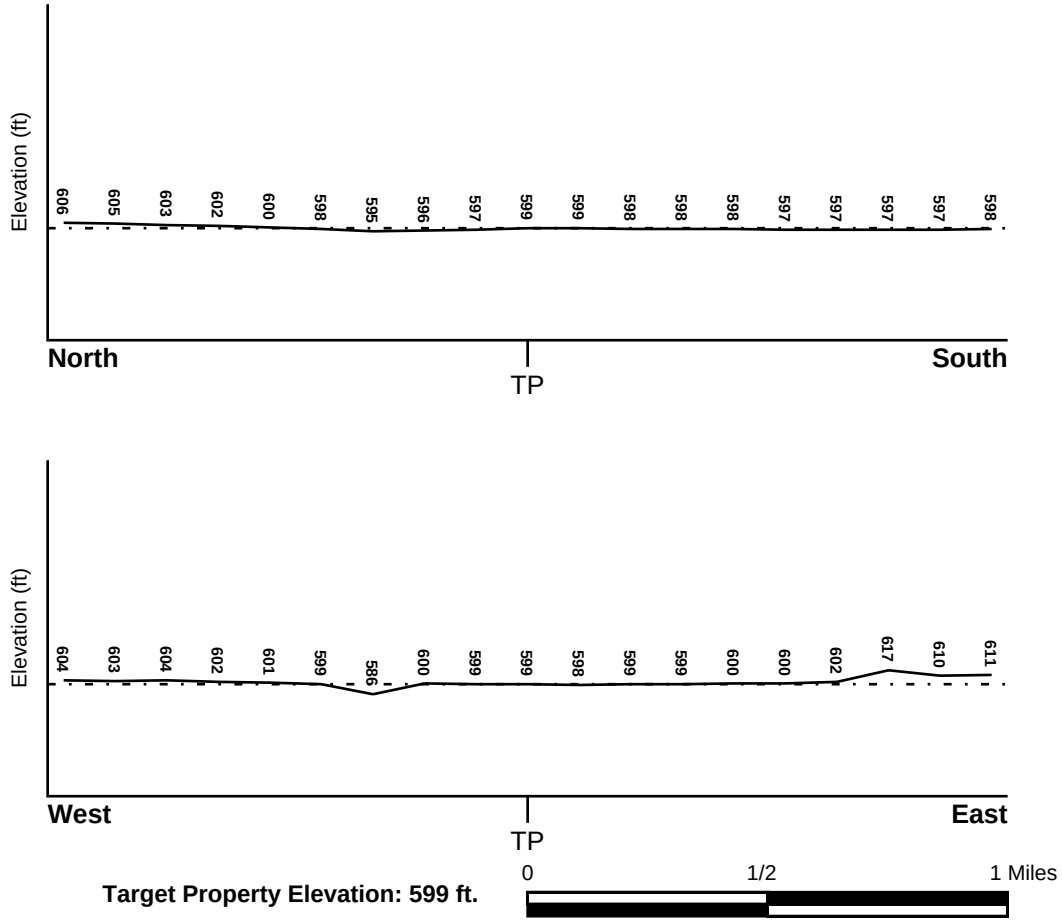
TOPOGRAPHIC INFORMATION

Surface topography may be indicative of the direction of surficial groundwater flow. This information can be used to assist the environmental professional in forming an opinion about the impact of nearby contaminated properties or, should contamination exist on the target property, what downgradient sites might be impacted.

TARGET PROPERTY TOPOGRAPHY

General Topographic Gradient: General North

SURROUNDING TOPOGRAPHY: ELEVATION PROFILES



Source: Topography has been determined from the USGS 7.5' Digital Elevation Model and should be evaluated on a relative (not an absolute) basis. Relative elevation information between sites of close proximity should be field verified.

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

HYDROLOGIC INFORMATION

Surface water can act as a hydrologic barrier to groundwater flow. Such hydrologic information can be used to assist the environmental professional in forming an opinion about the impact of nearby contaminated properties or, should contamination exist on the target property, what downgradient sites might be impacted.

Refer to the Physical Setting Source Map following this summary for hydrologic information (major waterways and bodies of water).

FEMA FLOOD ZONE

Flood Plain Panel at Target Property	FEMA Source Type
17031C0265J	FEMA FIRM Flood data

Additional Panels in search area:	FEMA Source Type
17031C0255J	FEMA FIRM Flood data
17031C0270J	FEMA FIRM Flood data

NATIONAL WETLAND INVENTORY

NWI Quad at Target Property	NWI Electronic Data Coverage
EVANSTON	YES - refer to the Overview Map and Detail Map

HYDROGEOLOGIC INFORMATION

Hydrogeologic information obtained by installation of wells on a specific site can often be an indicator of groundwater flow direction in the immediate area. Such hydrogeologic information can be used to assist the environmental professional in forming an opinion about the impact of nearby contaminated properties or, should contamination exist on the target property, what downgradient sites might be impacted.

Site-Specific Hydrogeological Data*:

Search Radius:	1.25 miles
Status:	Not found

AQUIFLOW®

Search Radius: 1.000 Mile.

EDR has developed the AQUIFLOW Information System to provide data on the general direction of groundwater flow at specific points. EDR has reviewed reports submitted by environmental professionals to regulatory authorities at select sites and has extracted the date of the report, groundwater flow direction as determined hydrogeologically, and the depth to water table.

MAP ID	LOCATION FROM TP	GENERAL DIRECTION GROUNDWATER FLOW
C17	1/4 - 1/2 Mile WNW	Not Reported
36	1/2 - 1 Mile South	NW
51	1/2 - 1 Mile SSE	SE
65	1/2 - 1 Mile ENE	Not Reported
69	1/2 - 1 Mile SW	Not Reported
1G	1/2 - 1 Mile ENE	Not Reported
2G	1/4 - 1/2 Mile WNW	Not Reported

* ©1996 Site−specific hydrogeological data gathered by CERCLIS Alerts, Inc., Bainbridge Island, WA. All rights reserved. All of the information and opinions presented are those of the cited EPA report(s), which were completed under a Comprehensive Environmental Response Compensation and Liability Information System (CERCLIS) investigation.

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

MAP ID	LOCATION FROM TP	GENERAL DIRECTION GROUNDWATER FLOW
3G	1/2 - 1 Mile South	NW
4G	1/2 - 1 Mile SSE	SE
5G	1/2 - 1 Mile SW	Not Reported

For additional site information, refer to Physical Setting Source Map Findings.

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

GROUNDWATER FLOW VELOCITY INFORMATION

Groundwater flow velocity information for a particular site is best determined by a qualified environmental professional using site specific geologic and soil strata data. If such data are not reasonably ascertainable, it may be necessary to rely on other sources of information, including geologic age identification, rock stratigraphic unit and soil characteristics data collected on nearby properties and regional soil information. In general, contaminant plumes move more quickly through sandy-gravelly types of soils than silty-clayey types of soils.

GEOLOGIC INFORMATION IN GENERAL AREA OF TARGET PROPERTY

Geologic information can be used by the environmental professional in forming an opinion about the relative speed at which contaminant migration may be occurring.

ROCK STRATIGRAPHIC UNIT

Era:	Paleozoic
System:	Silurian
Series:	Middle Silurian (Niagoaran)
Code:	S2 *(decoded above as Era, System & Series)*

GEOLOGIC AGE IDENTIFICATION

Category: Stratifed Sequence

Geologic Age and Rock Stratigraphic Unit Source: P.G. Schruben, R.E. Arndt and W.J. Bawiec, Geology of the Conterminous U.S. at 1:2,500,000 Scale - a digital representation of the 1974 P.B. King and H.M. Beikman Map, USGS Digital Data Series DDS - 11 (1994).

DOMINANT SOIL COMPOSITION IN GENERAL AREA OF TARGET PROPERTY

The U.S. Department of Agriculture's (USDA) Soil Conservation Service (SCS) leads the National Cooperative Soil Survey (NCSS) and is responsible for collecting, storing, maintaining and distributing soil survey information for privately owned lands in the United States. A soil map in a soil survey is a representation of soil patterns in a landscape. Soil maps for STATSGO are compiled by generalizing more detailed (SSURGO) soil survey maps. The following information is based on Soil Conservation Service STATSGO data.

Soil Component Name: URBANLAND

Soil Surface Texture: variable

Hydrologic Group: Not reported

Soil Drainage Class: Not reported

Hydric Status: Soil does not meet the requirements for a hydric soil.

Corrosion Potential - Uncoated Steel: Not Reported

Depth to Bedrock Min: > 0 inches

Depth to Bedrock Max: > 0 inches

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

Soil Layer Information							
	Boundary			Classification			
Layer	Upper	Lower	Soil Texture Class	AASHTO Group	Unified Soil	Permeability Rate (in/hr)	Soil Reaction (pH)
1	0 inches	60 inches	variable	Not reported	Not reported	Max: 0.00 Min: 0.00	Max: 0.00 Min: 0.00

OTHER SOIL TYPES IN AREA

Based on Soil Conservation Service STATSGO data, the following additional subordinant soil types may appear within the general area of target property.

Soil Surface Textures: silt loam
fine sandy loam
loam
fine sand

Surficial Soil Types: silt loam
fine sandy loam
loam
fine sand

Shallow Soil Types: sandy loam

Deeper Soil Types: silt loam
sand
loamy sand
loam

LOCAL / REGIONAL WATER AGENCY RECORDS

EDR Local/Regional Water Agency records provide water well information to assist the environmental professional in assessing sources that may impact ground water flow direction, and in forming an opinion about the impact of contaminant migration on nearby drinking water wells.

WELL SEARCH DISTANCE INFORMATION

DATABASE	SEARCH DISTANCE (miles)
Federal USGS	1.000
Federal FRDS PWS	Nearest PWS within 1 mile
State Database	1.000

FEDERAL USGS WELL INFORMATION

MAP ID	WELL ID	LOCATION FROM TP

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

FEDERAL USGS WELL INFORMATION

MAP ID	WELL ID	LOCATION FROM TP
No Wells Found		

FEDERAL FRDS PUBLIC WATER SUPPLY SYSTEM INFORMATION

MAP ID	WELL ID	LOCATION FROM TP
91	IL0001115	1/2 - 1 Mile SE

Note: PWS System location is not always the same as well location.

STATE DATABASE WELL INFORMATION

MAP ID	WELL ID	LOCATION FROM TP
1	ILSG40000059502	1/8 - 1/4 Mile SE
A2	ILSG40000049558	1/8 - 1/4 Mile WNW
B3	ILSG40000059507	1/4 - 1/2 Mile SSE
A4	ILSG40000040929	1/4 - 1/2 Mile WNW
A5	ILSG40000042128	1/4 - 1/2 Mile WNW
B6	ILSG40000059503	1/4 - 1/2 Mile SE
B7	ILSG40000059506	1/4 - 1/2 Mile SSE
A8	ILSG40000061432	1/4 - 1/2 Mile WNW
A9	ILSG40000042129	1/4 - 1/2 Mile WNW
B10	ILSG40000059504	1/4 - 1/2 Mile SSE
11	ILSG40000039733	1/4 - 1/2 Mile NNW
12	ILSG40000055182	1/4 - 1/2 Mile NW
C13	ILSG40000055181	1/4 - 1/2 Mile WNW
14	ILSG40000055183	1/4 - 1/2 Mile NNW
15	ILSG40000055180	1/4 - 1/2 Mile West
D16	ILSG40000059333	1/4 - 1/2 Mile ESE
E18	ILSG40000054362	1/4 - 1/2 Mile NNE
D19	ILSG40000059334	1/4 - 1/2 Mile ESE
20	ILSG40000059505	1/4 - 1/2 Mile SSE
E21	ILSG40000054365	1/4 - 1/2 Mile NNE
22	ILSG40000055179	1/4 - 1/2 Mile West
D23	ILSG40000059332	1/4 - 1/2 Mile ESE
E24	ILSG40000054363	1/4 - 1/2 Mile NNE
E25	ILSG40000054361	1/4 - 1/2 Mile NNE
26	ILSG40000055184	1/4 - 1/2 Mile North
27	ILSG40000055178	1/4 - 1/2 Mile WSW
E28	ILSG40000054364	1/4 - 1/2 Mile NNE
29	ILPW8734	1/4 - 1/2 Mile West
30	ILSG40000055185	1/4 - 1/2 Mile North
31	ILSG40000055177	1/4 - 1/2 Mile SW
F32	ILSG40000059508	1/4 - 1/2 Mile SSE
F33	ILSG40000059509	1/4 - 1/2 Mile SSE
34	ILSG40000055176	1/4 - 1/2 Mile SW
35	ILSG40000055186	1/4 - 1/2 Mile NNE
G37	ILSG40000042127	1/2 - 1 Mile SW
38	ILSG40000040074	1/2 - 1 Mile SSE

STATE DATABASE WELL INFORMATION

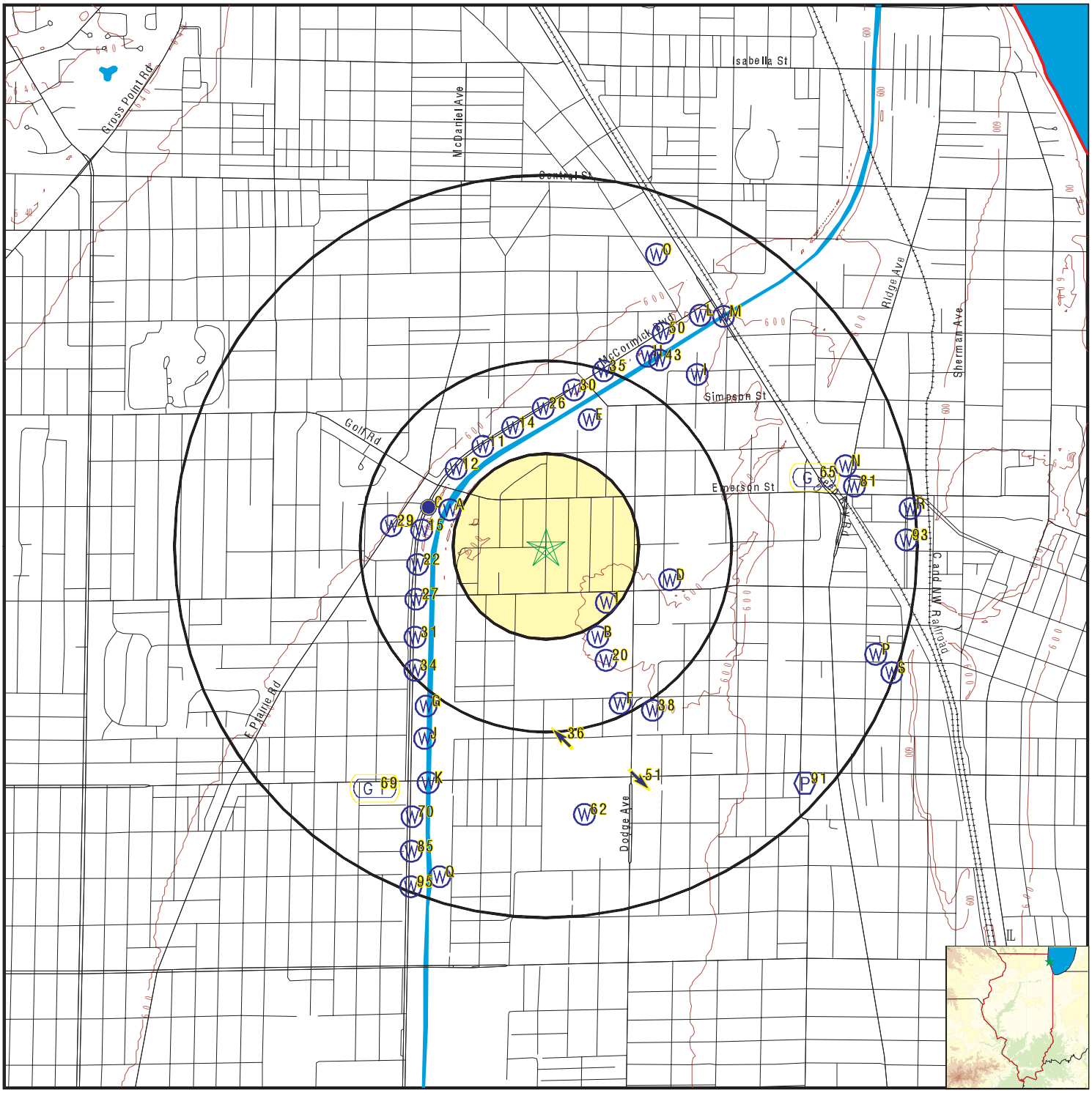
MAP ID	WELL ID	LOCATION FROM TP
G39	ILSG40000055175	1/2 - 1 Mile SW
H40	ILSG40000055187	1/2 - 1 Mile NNE
H41	ILSG40000050176	1/2 - 1 Mile NNE
H42	ILSG40000050179	1/2 - 1 Mile NNE
43	ILSG40000050177	1/2 - 1 Mile NNE
H44	ILSG40000050178	1/2 - 1 Mile NNE
I45	ILSG40000061712	1/2 - 1 Mile NE
J46	ILSG40000049566	1/2 - 1 Mile SSW
J47	ILSG40000042136	1/2 - 1 Mile SSW
J48	ILSG40000055174	1/2 - 1 Mile SW
I49	ILSG40000049565	1/2 - 1 Mile NE
50	ILSG40000055188	1/2 - 1 Mile NNE
K52	ILSG40000062624	1/2 - 1 Mile SSW
K53	ILSG40000062620	1/2 - 1 Mile SSW
K54	ILSG40000062621	1/2 - 1 Mile SSW
K55	ILSG40000062625	1/2 - 1 Mile SSW
K56	ILSG40000062619	1/2 - 1 Mile SSW
K57	ILSG40000062622	1/2 - 1 Mile SSW
K58	ILSG40000039734	1/2 - 1 Mile SSW
K59	ILSG40000062618	1/2 - 1 Mile SSW
K60	ILSG40000062623	1/2 - 1 Mile SSW
K61	ILSG40000042123	1/2 - 1 Mile SSW
62	ILPW8797	1/2 - 1 Mile South
K63	ILSG40000042124	1/2 - 1 Mile SSW
L64	ILSG40000039732	1/2 - 1 Mile NNE
L66	ILSG40000042130	1/2 - 1 Mile NE
M67	ILSG40000064441	1/2 - 1 Mile NE
M68	ILSG40000064442	1/2 - 1 Mile NE
70	ILSG40000055173	1/2 - 1 Mile SSW
N71	ILSG40000054353	1/2 - 1 Mile ENE
N72	ILSG40000054354	1/2 - 1 Mile ENE
O73	ILSG40000060443	1/2 - 1 Mile NNE
N74	ILSG40000054357	1/2 - 1 Mile ENE
N75	ILSG40000054355	1/2 - 1 Mile ENE
N76	ILSG40000054356	1/2 - 1 Mile ENE
O77	ILSG40000060442	1/2 - 1 Mile NNE
N78	ILSG40000060479	1/2 - 1 Mile East
N79	ILSG40000054352	1/2 - 1 Mile ENE
O80	ILSG40000060444	1/2 - 1 Mile NNE
81	ILSG40000060480	1/2 - 1 Mile East
N82	ILSG40000054351	1/2 - 1 Mile ENE
N83	ILSG40000060478	1/2 - 1 Mile ENE
O84	ILSG40000060441	1/2 - 1 Mile NNE
85	ILSG40000055172	1/2 - 1 Mile SSW
P86	ILSG40000054497	1/2 - 1 Mile ESE
P87	ILSG40000054496	1/2 - 1 Mile ESE
Q88	ILSG40000042126	1/2 - 1 Mile SSW
P89	ILSG40000054495	1/2 - 1 Mile ESE
Q90	ILSG40000040924	1/2 - 1 Mile SSW
P92	ILSG40000059703	1/2 - 1 Mile ESE
93	ILSG40000064455	1/2 - 1 Mile East
R94	ILSG40000064454	1/2 - 1 Mile East

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

STATE DATABASE WELL INFORMATION

MAP ID	WELL ID	LOCATION FROM TP
95	ILSG40000055171	1/2 - 1 Mile SSW
R96	ILSG40000054366	1/2 - 1 Mile East
S97	ILSG40000059705	1/2 - 1 Mile ESE
R98	ILSG40000054367	1/2 - 1 Mile East
S99	ILSG40000059707	1/2 - 1 Mile ESE
R100	ILSG40000054368	1/2 - 1 Mile East
S101	ILSG40000059708	1/2 - 1 Mile ESE

PHYSICAL SETTING SOURCE MAP - 7834122.2s



- County Boundary
- Major Roads
- Contour Lines
- Earthquake epicenter, Richter 5 or greater
- Water Wells
- Public Water Supply Wells
- Cluster of Multiple Icons
- Groundwater Flow Direction
- Indeterminate Groundwater Flow at Location
- Groundwater Flow Varies at Location
- Closest Hydrogeological Data
- Oil, gas or related wells

SITE NAME:	9826-F Hartrey From Church To Emerson	CLIENT:	Interra, Inc.
ADDRESS:	Hartrey & Church Evanston IL 60201	CONTACT:	Ashok Guntaka
		INQUIRY #:	7834122.2s
LAT/LONG:	42.050114 / 87.703622	DATE:	November 26, 2024 1:20 pm

Copyright © 2024 EDR, Inc. © 2015 TomTom Rel. 2015.

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID Direction Distance Elevation		Database	EDR ID Number
1 **SE** **1/8 - 1/4 Mile** **Higher**	Click here for full text details	**IL WELLS**	**ILSG40000059502**
A2 **WNW** **1/8 - 1/4 Mile** **Higher**	Click here for full text details	**IL WELLS**	**ILSG40000049558**
B3 **SSE** **1/4 - 1/2 Mile** **Higher**	Click here for full text details	**IL WELLS**	**ILSG40000059507**
A4 **WNW** **1/4 - 1/2 Mile** **Higher**	Click here for full text details	**IL WELLS**	**ILSG40000040929**
A5 **WNW** **1/4 - 1/2 Mile** **Higher**	Click here for full text details	**IL WELLS**	**ILSG40000042128**
B6 **SE** **1/4 - 1/2 Mile** **Higher**	Click here for full text details	**IL WELLS**	**ILSG40000059503**
B7 **SSE** **1/4 - 1/2 Mile** **Higher**	Click here for full text details	**IL WELLS**	**ILSG40000059506**
A8 **WNW** **1/4 - 1/2 Mile** **Higher**	Click here for full text details	**IL WELLS**	**ILSG40000061432**

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID Direction Distance Elevation		Database	EDR ID Number
A9 **WNW** **1/4 - 1/2 Mile** **Higher**	Click here for full text details	**IL WELLS**	**ILSG40000042129**
B10 **SSE** **1/4 - 1/2 Mile** **Higher**	Click here for full text details	**IL WELLS**	**ILSG40000059504**
11 **NNW** **1/4 - 1/2 Mile** **Higher**	Click here for full text details	**IL WELLS**	**ILSG40000039733**
12 **NW** **1/4 - 1/2 Mile** **Lower**	Click here for full text details	**IL WELLS**	**ILSG40000055182**
C13 **WNW** **1/4 - 1/2 Mile** **Higher**	Click here for full text details	**IL WELLS**	**ILSG40000055181**
14 **NNW** **1/4 - 1/2 Mile** **Higher**	Click here for full text details	**IL WELLS**	**ILSG40000055183**
15 **West** **1/4 - 1/2 Mile** **Higher**	Click here for full text details	**IL WELLS**	**ILSG40000055180**
D16 **ESE** **1/4 - 1/2 Mile** **Higher**	Click here for full text details	**IL WELLS**	**ILSG40000059333**
C17 **WNW** **1/4 - 1/2 Mile** **Higher**	Click here for full text details	**AQUIFLOW**	**62182**

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID Direction Distance Elevation		Database	EDR ID Number
E18 **NNE** **1/4 - 1/2 Mile** **Lower**	Click here for full text details	**IL WELLS**	**ILSG40000054362**
D19 **ESE** **1/4 - 1/2 Mile** **Higher**	Click here for full text details	**IL WELLS**	**ILSG40000059334**
20 **SSE** **1/4 - 1/2 Mile** **Higher**	Click here for full text details	**IL WELLS**	**ILSG40000059505**
E21 **NNE** **1/4 - 1/2 Mile** **Lower**	Click here for full text details	**IL WELLS**	**ILSG40000054365**
22 **West** **1/4 - 1/2 Mile** **Lower**	Click here for full text details	**IL WELLS**	**ILSG40000055179**
D23 **ESE** **1/4 - 1/2 Mile** **Higher**	Click here for full text details	**IL WELLS**	**ILSG40000059332**
E24 **NNE** **1/4 - 1/2 Mile** **Lower**	Click here for full text details	**IL WELLS**	**ILSG40000054363**
E25 **NNE** **1/4 - 1/2 Mile** **Lower**	Click here for full text details	**IL WELLS**	**ILSG40000054361**
26 **North** **1/4 - 1/2 Mile** **Lower**	Click here for full text details	**IL WELLS**	**ILSG40000055184**

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID Direction Distance Elevation		Database	EDR ID Number
27 **WSW** **1/4 - 1/2 Mile** **Lower**	Click here for full text details	**IL WELLS**	**ILSG40000055178**
E28 **NNE** **1/4 - 1/2 Mile** **Lower**	Click here for full text details	**IL WELLS**	**ILSG40000054364**
29 **West** **1/4 - 1/2 Mile** **Higher**	Click here for full text details	**IL WELLS**	**ILPW8734**
30 **North** **1/4 - 1/2 Mile** **Higher**	Click here for full text details	**IL WELLS**	**ILSG40000055185**
31 **SW** **1/4 - 1/2 Mile** **Lower**	Click here for full text details	**IL WELLS**	**ILSG40000055177**
F32 **SSE** **1/4 - 1/2 Mile** **Higher**	Click here for full text details	**IL WELLS**	**ILSG40000059508**
F33 **SSE** **1/4 - 1/2 Mile** **Higher**	Click here for full text details	**IL WELLS**	**ILSG40000059509**
34 **SW** **1/4 - 1/2 Mile** **Lower**	Click here for full text details	**IL WELLS**	**ILSG40000055176**
35 **NNE** **1/4 - 1/2 Mile** **Higher**	Click here for full text details	**IL WELLS**	**ILSG40000055186**

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID Direction Distance Elevation		Database	EDR ID Number
36 **South** **1/2 - 1 Mile** **Higher**	Click here for full text details	**AQUIFLOW**	**25565**
G37 **SW** **1/2 - 1 Mile** **Lower**	Click here for full text details	**IL WELLS**	**ILSG40000042127**
38 **SSE** **1/2 - 1 Mile** **Higher**	Click here for full text details	**IL WELLS**	**ILSG40000040074**
G39 **SW** **1/2 - 1 Mile** **Lower**	Click here for full text details	**IL WELLS**	**ILSG40000055175**
H40 **NNE** **1/2 - 1 Mile** **Higher**	Click here for full text details	**IL WELLS**	**ILSG40000055187**
H41 **NNE** **1/2 - 1 Mile** **Lower**	Click here for full text details	**IL WELLS**	**ILSG40000050176**
H42 **NNE** **1/2 - 1 Mile** **Lower**	Click here for full text details	**IL WELLS**	**ILSG40000050179**
43 **NNE** **1/2 - 1 Mile** **Lower**	Click here for full text details	**IL WELLS**	**ILSG40000050177**
H44 **NNE** **1/2 - 1 Mile** **Lower**	Click here for full text details	**IL WELLS**	**ILSG40000050178**

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID Direction Distance Elevation		Database	EDR ID Number
I45 **NE** **1/2 - 1 Mile** **Higher**	Click here for full text details	**IL WELLS**	**ILSG40000061712**
J46 **SSW** **1/2 - 1 Mile** **Lower**	Click here for full text details	**IL WELLS**	**ILSG40000049566**
J47 **SSW** **1/2 - 1 Mile** **Lower**	Click here for full text details	**IL WELLS**	**ILSG40000042136**
J48 **SW** **1/2 - 1 Mile** **Lower**	Click here for full text details	**IL WELLS**	**ILSG40000055174**
I49 **NE** **1/2 - 1 Mile** **Lower**	Click here for full text details	**IL WELLS**	**ILSG40000049565**
50 **NNE** **1/2 - 1 Mile** **Higher**	Click here for full text details	**IL WELLS**	**ILSG40000055188**
51 **SSE** **1/2 - 1 Mile** **Higher**	Click here for full text details	**AQUIFLOW**	**62115**
K52 **SSW** **1/2 - 1 Mile** **Lower**	Click here for full text details	**IL WELLS**	**ILSG40000062624**
K53 **SSW** **1/2 - 1 Mile** **Lower**	Click here for full text details	**IL WELLS**	**ILSG40000062620**

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID Direction Distance Elevation		Database	EDR ID Number
K54 **SSW** **1/2 - 1 Mile** **Lower**	Click here for full text details	**IL WELLS**	**ILSG40000062621**
K55 **SSW** **1/2 - 1 Mile** **Lower**	Click here for full text details	**IL WELLS**	**ILSG40000062625**
K56 **SSW** **1/2 - 1 Mile** **Lower**	Click here for full text details	**IL WELLS**	**ILSG40000062619**
K57 **SSW** **1/2 - 1 Mile** **Lower**	Click here for full text details	**IL WELLS**	**ILSG40000062622**
K58 **SSW** **1/2 - 1 Mile** **Lower**	Click here for full text details	**IL WELLS**	**ILSG40000039734**
K59 **SSW** **1/2 - 1 Mile** **Lower**	Click here for full text details	**IL WELLS**	**ILSG40000062618**
K60 **SSW** **1/2 - 1 Mile** **Lower**	Click here for full text details	**IL WELLS**	**ILSG40000062623**
K61 **SSW** **1/2 - 1 Mile** **Lower**	Click here for full text details	**IL WELLS**	**ILSG40000042123**
62 **South** **1/2 - 1 Mile** **Lower**	Click here for full text details	**IL WELLS**	**ILPW8797**

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID Direction Distance Elevation		Database	EDR ID Number
K63 **SSW** **1/2 - 1 Mile** **Lower**	Click here for full text details	**IL WELLS**	**ILSG40000042124**
L64 **NNE** **1/2 - 1 Mile** **Higher**	Click here for full text details	**IL WELLS**	**ILSG40000039732**
65 **ENE** **1/2 - 1 Mile** **Higher**	Click here for full text details	**AQUIFLOW**	**62391**
L66 **NE** **1/2 - 1 Mile** **Lower**	Click here for full text details	**IL WELLS**	**ILSG40000042130**
M67 **NE** **1/2 - 1 Mile** **Higher**	Click here for full text details	**IL WELLS**	**ILSG40000064441**
M68 **NE** **1/2 - 1 Mile** **Lower**	Click here for full text details	**IL WELLS**	**ILSG40000064442**
69 **SW** **1/2 - 1 Mile** **Lower**	Click here for full text details	**AQUIFLOW**	**56490**
70 **SSW** **1/2 - 1 Mile** **Lower**	Click here for full text details	**IL WELLS**	**ILSG40000055173**
N71 **ENE** **1/2 - 1 Mile** **Higher**	Click here for full text details	**IL WELLS**	**ILSG40000054353**

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID Direction Distance Elevation		Database	EDR ID Number
N72 **ENE** **1/2 - 1 Mile** **Higher**	Click here for full text details	**IL WELLS**	**ILSG40000054354**
O73 **NNE** **1/2 - 1 Mile** **Higher**	Click here for full text details	**IL WELLS**	**ILSG40000060443**
N74 **ENE** **1/2 - 1 Mile** **Higher**	Click here for full text details	**IL WELLS**	**ILSG40000054357**
N75 **ENE** **1/2 - 1 Mile** **Higher**	Click here for full text details	**IL WELLS**	**ILSG40000054355**
N76 **ENE** **1/2 - 1 Mile** **Higher**	Click here for full text details	**IL WELLS**	**ILSG40000054356**
O77 **NNE** **1/2 - 1 Mile** **Higher**	Click here for full text details	**IL WELLS**	**ILSG40000060442**
N78 **East** **1/2 - 1 Mile** **Higher**	Click here for full text details	**IL WELLS**	**ILSG40000060479**
N79 **ENE** **1/2 - 1 Mile** **Higher**	Click here for full text details	**IL WELLS**	**ILSG40000054352**
O80 **NNE** **1/2 - 1 Mile** **Higher**	Click here for full text details	**IL WELLS**	**ILSG40000060444**

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID Direction Distance Elevation		Database	EDR ID Number
81 **East** **1/2 - 1 Mile** **Higher**	Click here for full text details	**IL WELLS**	**ILSG40000060480**
N82 **ENE** **1/2 - 1 Mile** **Higher**	Click here for full text details	**IL WELLS**	**ILSG40000054351**
N83 **ENE** **1/2 - 1 Mile** **Higher**	Click here for full text details	**IL WELLS**	**ILSG40000060478**
O84 **NNE** **1/2 - 1 Mile** **Higher**	Click here for full text details	**IL WELLS**	**ILSG40000060441**
85 **SSW** **1/2 - 1 Mile** **Lower**	Click here for full text details	**IL WELLS**	**ILSG40000055172**
P86 **ESE** **1/2 - 1 Mile** **Higher**	Click here for full text details	**IL WELLS**	**ILSG40000054497**
P87 **ESE** **1/2 - 1 Mile** **Higher**	Click here for full text details	**IL WELLS**	**ILSG40000054496**
Q88 **SSW** **1/2 - 1 Mile** **Lower**	Click here for full text details	**IL WELLS**	**ILSG40000042126**
P89 **ESE** **1/2 - 1 Mile** **Higher**	Click here for full text details	**IL WELLS**	**ILSG40000054495**

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID Direction Distance Elevation		Database	EDR ID Number
Q90 **SSW** **1/2 - 1 Mile** **Lower**	Click here for full text details	**IL WELLS**	**ILSG40000040924**
91 **SE** **1/2 - 1 Mile** **Higher**	Click here for full text details	**FRDS PWS**	**IL0001115**
P92 **ESE** **1/2 - 1 Mile** **Higher**	Click here for full text details	**IL WELLS**	**ILSG40000059703**
93 **East** **1/2 - 1 Mile** **Higher**	Click here for full text details	**IL WELLS**	**ILSG40000064455**
R94 **East** **1/2 - 1 Mile** **Higher**	Click here for full text details	**IL WELLS**	**ILSG40000064454**
95 **SSW** **1/2 - 1 Mile** **Lower**	Click here for full text details	**IL WELLS**	**ILSG40000055171**
R96 **East** **1/2 - 1 Mile** **Higher**	Click here for full text details	**IL WELLS**	**ILSG40000054366**
S97 **ESE** **1/2 - 1 Mile** **Higher**	Click here for full text details	**IL WELLS**	**ILSG40000059705**
R98 **East** **1/2 - 1 Mile** **Higher**	Click here for full text details	**IL WELLS**	**ILSG40000054367**

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID Direction Distance Elevation		Database	EDR ID Number
S99 **ESE** **1/2 - 1 Mile** **Higher**	Click here for full text details	**IL WELLS**	**ILSG40000059707**
R100 **East** **1/2 - 1 Mile** **Higher**	Click here for full text details	**IL WELLS**	**ILSG40000054368**
S101 **ESE** **1/2 - 1 Mile** **Higher**	Click here for full text details	**IL WELLS**	**ILSG40000059708**
1G **ENE** **1/2 - 1 Mile** **Lower**	Click here for full text details	**AQUIFLOW**	**62391**
2G **WNW** **1/4 - 1/2 Mile** **Lower**	Click here for full text details	**AQUIFLOW**	**62182**
3G **South** **1/2 - 1 Mile** **Lower**	Click here for full text details	**AQUIFLOW**	**25565**
4G **SSE** **1/2 - 1 Mile** **Lower**	Click here for full text details	**AQUIFLOW**	**62115**
5G **SW** **1/2 - 1 Mile** **Lower**	Click here for full text details	**AQUIFLOW**	**56490**

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS
RADON

AREA RADON INFORMATION

State Database: IL Radon

Radon Test Results

Zipcode	Result
60201	0.7
60201	1.6
60201	0.7
60201	0.9
60201	
60201	0.7
60201	1.1
60201	0.3
60201	0.6
60201	1.6
60201	0.8
60201	1
60201	0.3
60201	1.8

Federal EPA Radon Zone for COOK County: 2

Note: Zone 1 indoor average level > 4 pCi/L.
: Zone 2 indoor average level >= 2 pCi/L and <= 4 pCi/L.
: Zone 3 indoor average level < 2 pCi/L.

Federal Area Radon Information for Zip Code: 60201

Number of sites tested: 1

Area	Average Activity	% <4 pCi/L	% 4-20 pCi/L	% >20 pCi/L
Living Area - 1st Floor	Not Reported	Not Reported	Not Reported	Not Reported
Living Area - 2nd Floor	Not Reported	Not Reported	Not Reported	Not Reported
Basement	-0.500 pCi/L	100%	0%	0%

PHYSICAL SETTING SOURCE RECORDS SEARCHED

TOPOGRAPHIC INFORMATION

USGS 7.5' Digital Elevation Model (DEM)
Source: United States Geologic Survey
EDR acquired the USGS 7.5' Digital Elevation Model in 2002 and updated it in 2006. The 7.5 minute DEM corresponds to the USGS 1:24,000- and 1:25,000-scale topographic quadrangle maps. The DEM provides elevation data with consistent elevation units and projection.

Source: U.S. Geological Survey

HYDROLOGIC INFORMATION

Flood Zone Data: This data was obtained from the Federal Emergency Management Agency (FEMA). It depicts 100-year and 500-year flood zones as defined by FEMA. It includes the National Flood Hazard Layer (NFHL) which incorporates Flood Insurance Rate Map (FIRM) data and Q3 data from FEMA in areas not covered by NFHL.
Source: FEMA
Telephone: 877-336-2627
Date of Government Version: 2003, 2015

NWI: National Wetlands Inventory. This data, available in select counties across the country, was obtained by EDR in 2002, 2005, 2010 and 2015 from the U.S. Fish and Wildlife Service.

State Wetlands Data: Wetland Inventory
Source: Illinois State Geological Survey
Telephone: 217-333-4747

HYDROGEOLOGIC INFORMATION

AQUIFLOW^{R} Information System
Source: EDR proprietary database of groundwater flow information
EDR has developed the AQUIFLOW Information System (AIS) to provide data on the general direction of groundwater flow at specific points. EDR has reviewed reports submitted to regulatory authorities at select sites and has extracted the date of the report, hydrogeologically determined groundwater flow direction and depth to water table information.

GEOLOGIC INFORMATION

Geologic Age and Rock Stratigraphic Unit
Source: P.G. Schruben, R.E. Arndt and W.J. Bawiec, Geology of the Conterminous U.S. at 1:2,500,000 Scale - A digital representation of the 1974 P.B. King and H.M. Beikman Map, USGS Digital Data Series DDS - 11 (1994).

STATSGO: State Soil Geographic Database
Source: Department of Agriculture, Natural Resources Conservation Service (NRCS)
The U.S. Department of Agriculture's (USDA) Natural Resources Conservation Service (NRCS) leads the national Conservation Soil Survey (NCSS) and is responsible for collecting, storing, maintaining and distributing soil survey information for privately owned lands in the United States. A soil map in a soil survey is a representation of soil patterns in a landscape. Soil maps for STATSGO are compiled by generalizing more detailed (SSURGO) soil survey maps.

SSURGO: Soil Survey Geographic Database
Source: Department of Agriculture, Natural Resources Conservation Service (NRCS)
Telephone: 800-672-5559
SSURGO is the most detailed level of mapping done by the Natural Resources Conservation Service, mapping scales generally range from 1:12,000 to 1:63,360. Field mapping methods using national standards are used to construct the soil maps in the Soil Survey Geographic (SSURGO) database. SSURGO digitizing duplicates the original soil survey maps. This level of mapping is designed for use by landowners, townships and county natural resource planning and management.

PHYSICAL SETTING SOURCE RECORDS SEARCHED

LOCAL / REGIONAL WATER AGENCY RECORDS

FEDERAL WATER WELLS

PWS: Public Water Systems
Source: EPA/Office of Drinking Water
Telephone: 202-564-3750
Public Water System data from the Federal Reporting Data System. A PWS is any water system which provides water to at least 25 people for at least 60 days annually. PWSs provide water from wells, rivers and other sources.

PWS ENF: Public Water Systems Violation and Enforcement Data
Source: EPA/Office of Drinking Water
Telephone: 202-564-3750
Violation and Enforcement data for Public Water Systems from the Safe Drinking Water Information System (SDWIS) after August 1995. Prior to August 1995, the data came from the Federal Reporting Data System (FRDS).

USGS Water Wells: USGS National Water Inventory System (NWIS)
This database contains descriptive information on sites where the USGS collects or has collected data on surface water and/or groundwater. The groundwater data includes information on wells, springs, and other sources of groundwater.

OTHER STATE DATABASE INFORMATION

Oil and Gas Wells Listing
Source: Illinois State Geological Survey
Telephone: 217-333-5109
Oil and gas wells location points from the Illinois State Geological Survey database.

Water Well Records
Source: Illinois Geological Survey
Telephone: 217-333-4747

Illinois Private Well Database and PICS (Public, Industrial, Commercial Survey)
Source: Illinois State Water Survey
Telephone: 217-333-9043

Water Well Location Information
Source: Illinois Environmental Protection Agency
Telephone: 217-782-0810

RADON

State Database: IL Radon
Source: Department of Nuclear Safety
Telephone: 217-785-9958
County Radon Results

Area Radon Information
Source: USGS
Telephone: 703-356-4020
The National Radon Database has been developed by the U.S. Environmental Protection Agency (USEPA) and is a compilation of the EPA/State Residential Radon Survey and the National Residential Radon Survey. The study covers the years 1986 - 1992. Where necessary data has been supplemented by information collected at private sources such as universities and research institutions.

EPA Radon Zones
Source: EPA
Telephone: 703-356-4020
Sections 307 & 309 of IRAA directed EPA to list and identify areas of U.S. with the potential for elevated indoor radon levels.

PHYSICAL SETTING SOURCE RECORDS SEARCHED

OTHER

Airport Landing Facilities: Private and public use landing facilities
Source: Federal Aviation Administration, 800-457-6656

Epicenters: World earthquake epicenters, Richter 5 or greater
Source: Department of Commerce, National Oceanic and Atmospheric Administration

Earthquake Fault Lines: The fault lines displayed on EDR's Topographic map are digitized quaternary faultlines, prepared in 1975 by the United State Geological Survey

STREET AND ADDRESS INFORMATION

© 2015 TomTom North America, Inc. All rights reserved. This material is proprietary and the subject of copyright protection and other intellectual property rights owned by or licensed to Tele Atlas North America, Inc. The use of this material is subject to the terms of a license agreement. You will be held liable for any unauthorized copying or disclosure of this material.

Appendix B

Sample Location Map

2025 Water Main Improvement Projects
Hartrey Avenue from Church Street to Emerson Street
INTERRA Project No. 9826
Date: 12/16/2024

Hartrey-SGB-01
Hartrey-SGB-02
Hartrey-SGB-03
Hartrey-SGB-04

Emerson St
New Hope Christian Methodist...
Tabernacle Missionary Baptist Church
Brown Street Cta
Laurel Ave
Lemar Ave
Dodge Ave
Brown Ave
Hoyland Ct
Grey Ave
Hartrey Ave
Lyons St
Leland Ave
ETHS Transition House
EVANSTON
WILDKITS
Lazier Field
Carachure Remodeling, INC
Artery Aquatics
Global Evangelistic Ministries
Spice Restaurant
Andyn's Snowcones
Church St
Google Earth
N
500 ft

Appendix C

Analytical Test Reports

SUBURBAN LABORATORIES
A METIRI GROUP COMPANY

1950 S Batavia Ave, Suite 150, Geneva, IL
60134 - Phone (800) 783-5227 -
www.metirigroup.com

January 07, 2025

INTERRA, Inc.
INTERRA, Inc.
600 Territorial Drive, Suite G
Bolingbrook, IL 60440

RE: 9826 - Evanston Geotech and Environmental 2024
AAL1048

Metiri Analytical Group Inc, - Geneva received sample(s) on 12/17/2024 for the analyses presented in the following report.

All data for the associated quality control (QC) met EPA, method, or internal laboratory specifications except where noted in the case narrative. If you are comparing these results to external QC specifications or compliance limits and have any questions, please contact us.

This final report of laboratory analysis consists of this cover letter, case narrative, analytical report, dates report, and any accompanying documentation including, but not limited to, chain of custody records, raw data, and letters of explanation or reliance. This report may not be reproduced, except in full, without the prior written approval of Suburban Laboratories, Inc.

If you have any questions regarding these test results, please call me at (708) 544-3260.

Sincerely,

Daniel Galeher
Project Manager

Metiri Group - Geneva - 1950 S Batavia Ave, Suite 150, Geneva, IL 60134

INTERRA, Inc.	Project: INTERRA - Soil	
600 Territorial Drive, Suite G	Project Number: 9826 - Evanston Geotech and Environmental 2024	
Bolingbrook, IL 60440	Project Manager: INTERRA, Inc.	Reported: 01/07/2025 17:07

Notes and Definitions

Item	Definition
B	Analyte detected in the associated Method Blank
J	Analyte detected below quantitation limit (QL)
S	Spike Recovery outside accepted recovery limits
U	Analyte included in the analysis, but not detected

General Comments:
- All results reported in wet weight unless otherwise indicated. (dry = Dry Weight)
- Sample results relate only to the analytes of interest tested and to sample as received by the laboratory.
- Environmental compliance sample results meet the requirements of 35 IAC Part 186 unless otherwise indicated.
- Waste water analysis follows the rules set forth in 40 CFR part 136 except where otherwise noted.
- Accreditation by the State of Illinois is not an endorsement or a guarantee of the validity of data generated.
- For more information about the laboratories' scope of accreditation, please contact us at (708) 544-3260 or the Agency at (217) 782-6455.
- All radiological results are reported to the 95% confidence level.

Abbreviations:
- Reporting Limit: The concentration at which an analyte can be routinely detected on a day to day basis, and which also meets regulatory and client needs.
- Quantitation Limit: The lowest concentration at which results can be accurately quantitated.
- J: The analyte was positively identified above our Method Detection Limit and is considered detectable and usable; however, the associated numerical value is the approximate concentration of the analyte in the sample.
- ATC: Automatic Temperature Correction. - TNTC: Too Numerous To Count
- TIC: Tentatively Identified Compound (GCMS library search identification, concentration estimated to nearest internal standard).
- SS: (Surrogate Standard): Quality control compound added to the sample by the lab.
-LA: Lab Accident - No valid data to report.
-VO: Insufficient Volume provided
-BR: Received broken
-IP: Invalid Sampling

Method References:
For a complete list of method references please contact us.
- E: USEPA Reference methods
- SW: USEPA, Test Methods for Evaluating Solid Waste (SW-846)
- M: Standard Methods for the Examination of Water and Wastewater

Illinois Department of Public Health Accredited #17585

Illinois Environmental Protection Agency Accredited #100225

The contents of this report apply to the sample(s) analyzed in accordance with the chain of custody document.
No duplication of this report is allowed, except in its entirety.

Table of Contents

Qualifiers and Definitions 2

Case Narratives Analyses 4

Sample Results 5

Chain of Custody 29

Metiri Group - Geneva - 1950 S Batavia Ave, Suite 150, Geneva, IL 60134

INTERRA, Inc.	Project: INTERRA - Soil	
600 Territorial Drive, Suite G	Project Number: 9826 - Evanston Geotech and Environmental 2024	
Bolingbrook, IL 60440	Project Manager: INTERRA, Inc.	Reported: 01/07/2025 17:07

Analysis Case Narrative

Samples AAL1048-01, -02, -03 and -04: S=The Blank Spike exceeded the upper acceptance limit for 1,1-Dichloroethene, resulting in a high bias. There were no detects in the samples

Sample AAL1048-01, -02, -03 and -04: B=The method blank contained Acetone at 0.00566 mg/kg. (MDL is 0.00531 mg/kg).

Sample AAL1048-04 recovered outside of control limits for the Toluene-d8 surrogate

Sample AAL1048-04: S=The MS percent recoveries were outside laboratory control limits for several analytes

Samples in this Report

Lab ID	Sample	Matrix	Date Sampled	Date Received
AAL1048-01	Hartrey-SGB-01	Solid	12/16/2024 13:45	12/17/2024
AAL1048-02	Hartrey-SGB-02	Solid	12/16/2024 14:30	12/17/2024
AAL1048-02	Hartrey-SGB-02	Solid	12/16/2024 14:30	12/17/2024
AAL1048-03	Hartrey-SGB-03	Solid	12/16/2024 14:15	12/17/2024
AAL1048-03	Hartrey-SGB-03	Solid	12/16/2024 14:15	12/17/2024
AAL1048-04	Hartrey-SGB-04	Solid	12/16/2024 16:00	12/17/2024
AAL1048-04	Hartrey-SGB-04	Solid	12/16/2024 16:00	12/17/2024

The contents of this report apply to the sample(s) analyzed in accordance with the chain of custody document.
No duplication of this report is allowed, except in its entirety.

Metiri Group - Geneva - 1950 S Batavia Ave, Suite 150, Geneva, IL 60134

INTERRA, Inc.	Project: INTERRA - Soil	
600 Territorial Drive, Suite G	Project Number: 9826 - Evanston Geotech and Environmental 2024	
Bolingbrook, IL 60440	Project Manager: INTERRA, Inc.	Reported: 01/07/2025 17:07

Sample Results

Sample: Hartrey-SGB-01

AAL1048-01 (Solid)

Analyte	Result /Qual	DL	RL	Units	Date Sampled	Date Analyzed	DF	Method	Prep Batch
SVOC									
1,2,4-Trichlorobenzene	ND	0.030	0.078	mg/kg dry	12/16/24 13:45	12/23/24	1	8270C	BAL0977
1,2-Dichlorobenzene	ND	0.016	0.078	mg/kg dry	12/16/24 13:45	12/23/24	1	8270C	BAL0977
1,3-Dichlorobenzene	ND	0.018	0.078	mg/kg dry	12/16/24 13:45	12/23/24	1	8270C	BAL0977
1,4-Dichlorobenzene	ND	0.013	0.078	mg/kg dry	12/16/24 13:45	12/23/24	1	8270C	BAL0977
2,4,5-Trichlorophenol	ND	0.123	0.389	mg/kg dry	12/16/24 13:45	12/23/24	1	8270C	BAL0977
2,4,6-Trichlorophenol	ND	0.125	0.389	mg/kg dry	12/16/24 13:45	12/23/24	1	8270C	BAL0977
2,4-Dichlorophenol	ND	0.117	0.389	mg/kg dry	12/16/24 13:45	12/23/24	1	8270C	BAL0977
2,4-Dimethylphenol	ND	0.188	0.389	mg/kg dry	12/16/24 13:45	12/23/24	1	8270C	BAL0977
2,4-Dinitrophenol	ND	0.247	0.389	mg/kg dry	12/16/24 13:45	12/23/24	1	8270C	BAL0977
2,4-Dinitrotoluene	ND	0.021	0.078	mg/kg dry	12/16/24 13:45	12/23/24	1	8270C	BAL0977
2,6-Dinitrotoluene	ND	0.018	0.078	mg/kg dry	12/16/24 13:45	12/23/24	1	8270C	BAL0977
2-Chloronaphthalene	ND	0.020	0.078	mg/kg dry	12/16/24 13:45	12/23/24	1	8270C	BAL0977
2-Chlorophenol	ND	0.111	0.389	mg/kg dry	12/16/24 13:45	12/23/24	1	8270C	BAL0977
2-Methylnaphthalene	ND	0.021	0.078	mg/kg dry	12/16/24 13:45	12/23/24	1	8270C	BAL0977
2-Nitroaniline	ND	0.130	0.389	mg/kg dry	12/16/24 13:45	12/23/24	1	8270C	BAL0977
2-Nitrophenol	ND	0.132	0.389	mg/kg dry	12/16/24 13:45	12/23/24	1	8270C	BAL0977
3,3-Dichlorobenzidine	ND	0.116	0.389	mg/kg dry	12/16/24 13:45	12/23/24	1	8270C	BAL0977
3-Nitroaniline	ND	0.060	0.389	mg/kg dry	12/16/24 13:45	12/23/24	1	8270C	BAL0977
4,6-Dinitro-2-methylphenol	ND	0.116	0.389	mg/kg dry	12/16/24 13:45	12/23/24	1	8270C	BAL0977
4-Bromophenyl phenyl ether	ND	0.021	0.078	mg/kg dry	12/16/24 13:45	12/23/24	1	8270C	BAL0977
4-Chloro-3-methylphenol	ND	0.120	0.389	mg/kg dry	12/16/24 13:45	12/23/24	1	8270C	BAL0977
4-Chloroaniline	ND	0.092	0.389	mg/kg dry	12/16/24 13:45	12/23/24	1	8270C	BAL0977
4-Chlorophenyl phenyl ether	ND	0.015	0.078	mg/kg dry	12/16/24 13:45	12/23/24	1	8270C	BAL0977
4-Nitroaniline	ND	0.076	0.389	mg/kg dry	12/16/24 13:45	12/23/24	1	8270C	BAL0977
4-Nitrophenol	ND	0.106	0.389	mg/kg dry	12/16/24 13:45	12/23/24	1	8270C	BAL0977
Acenaphthene	ND	0.019	0.078	mg/kg dry	12/16/24 13:45	12/23/24	1	8270C	BAL0977
Acenaphthylene	ND	0.016	0.078	mg/kg dry	12/16/24 13:45	12/23/24	1	8270C	BAL0977
Aniline	ND	0.080	0.389	mg/kg dry	12/16/24 13:45	12/23/24	1	8270C	BAL0977
Anthracene	ND	0.014	0.078	mg/kg dry	12/16/24 13:45	12/23/24	1	8270C	BAL0977
Azobenzene	ND	0.012	0.078	mg/kg dry	12/16/24 13:45	12/23/24	1	8270C	BAL0977
Benzidine	ND	0.082	0.974	mg/kg dry	12/16/24 13:45	12/23/24	1	8270C	BAL0977
Benzo(a)anthracene	ND	0.012	0.078	mg/kg dry	12/16/24 13:45	12/23/24	1	8270C	BAL0977
Benzo(a)pyrene	ND	0.015	0.078	mg/kg dry	12/16/24 13:45	12/23/24	1	8270C	BAL0977
Benzo(b)fluoranthene	ND	0.015	0.078	mg/kg dry	12/16/24 13:45	12/23/24	1	8270C	BAL0977
Benzo(g,h,i)perylene	ND	0.019	0.078	mg/kg dry	12/16/24 13:45	12/23/24	1	8270C	BAL0977
Benzo(k)fluoranthene	ND	0.013	0.078	mg/kg dry	12/16/24 13:45	12/23/24	1	8270C	BAL0977
Benzoic acid	ND	0.133	0.389	mg/kg dry	12/16/24 13:45	12/23/24	1	8270C	BAL0977
Benzyl alcohol	ND	0.144	0.389	mg/kg dry	12/16/24 13:45	12/23/24	1	8270C	BAL0977
Bis(2-chloroethoxy)methane	ND	0.022	0.078	mg/kg dry	12/16/24 13:45	12/23/24	1	8270C	BAL0977
bis(2-Chloroethyl)ether	ND	0.034	0.078	mg/kg dry	12/16/24 13:45	12/23/24	1	8270C	BAL0977
Bis(2-chloroisopropyl)ether	ND	0.028	0.078	mg/kg dry	12/16/24 13:45	12/23/24	1	8270C	BAL0977
Bis(2-ethylhexyl)phthalate	ND	0.138	0.389	mg/kg dry	12/16/24 13:45	12/23/24	1	8270C	BAL0977
Butyl benzyl phthalate	ND	0.137	0.389	mg/kg dry	12/16/24 13:45	12/23/24	1	8270C	BAL0977
Carbazole	ND	0.015	0.078	mg/kg dry	12/16/24 13:45	12/23/24	1	8270C	BAL0977
Chrysene	ND	0.015	0.078	mg/kg dry	12/16/24 13:45	12/23/24	1	8270C	BAL0977

The contents of this report apply to the sample(s) analyzed in accordance with the chain of custody document.
No duplication of this report is allowed, except in its entirety.

Metiri Group - Geneva - 1950 S Batavia Ave, Suite 150, Geneva, IL 60134

INTERRA, Inc.	Project: INTERRA - Soil	
600 Territorial Drive, Suite G	Project Number: 9826 - Evanston Geotech and Environmental 2024	
Bolingbrook, IL 60440	Project Manager: INTERRA, Inc.	Reported: 01/07/2025 17:07

Sample Results
(Continued)

Sample: Hartrey-SGB-01 (Continued)
AAL1048-01 (Solid)

Analyte	Result /Qual	DL	RL	Units	Date Sampled	Date Analyzed	DF	Method	Prep Batch
SVOC (Continued)									
Dibenzo(a,h)anthracene	ND	0.020	0.078	mg/kg dry	12/16/24 13:45	12/23/24	1	8270C	BAL0977
Dibenzofuran	ND	0.018	0.078	mg/kg dry	12/16/24 13:45	12/23/24	1	8270C	BAL0977
Diethyl phthalate	ND	0.115	0.389	mg/kg dry	12/16/24 13:45	12/23/24	1	8270C	BAL0977
Dimethyl phthalate	ND	0.127	0.389	mg/kg dry	12/16/24 13:45	12/23/24	1	8270C	BAL0977
Di-n-butyl phthalate	ND	0.106	0.389	mg/kg dry	12/16/24 13:45	12/23/24	1	8270C	BAL0977
Di-n-octyl phthalate	ND	0.153	0.389	mg/kg dry	12/16/24 13:45	12/23/24	1	8270C	BAL0977
Fluoranthene	ND	0.013	0.078	mg/kg dry	12/16/24 13:45	12/23/24	1	8270C	BAL0977
Fluorene	ND	0.018	0.078	mg/kg dry	12/16/24 13:45	12/23/24	1	8270C	BAL0977
Hexachlorobenzene	ND	0.125	0.389	mg/kg dry	12/16/24 13:45	12/23/24	1	8270C	BAL0977
Hexachlorobutadiene	ND	0.120	0.389	mg/kg dry	12/16/24 13:45	12/23/24	1	8270C	BAL0977
Hexachlorocyclopentadiene	ND	0.102	0.389	mg/kg dry	12/16/24 13:45	12/23/24	1	8270C	BAL0977
Hexachloroethane	ND	0.113	0.389	mg/kg dry	12/16/24 13:45	12/23/24	1	8270C	BAL0977
Indeno(1,2,3-cd)pyrene	ND	0.002	0.078	mg/kg dry	12/16/24 13:45	12/23/24	1	8270C	BAL0977
Isophorone	ND	0.002	0.078	mg/kg dry	12/16/24 13:45	12/23/24	1	8270C	BAL0977
m,p-Cresol	ND	0.028	0.078	mg/kg dry	12/16/24 13:45	12/23/24	1	8270C	BAL0977
Naphthalene	ND	0.018	0.078	mg/kg dry	12/16/24 13:45	12/23/24	1	8270C	BAL0977
n-Decane	ND	0.127	0.260	mg/kg dry	12/16/24 13:45	12/23/24	1	8270C	BAL0977
Nitrobenzene	ND	0.014	0.078	mg/kg dry	12/16/24 13:45	12/23/24	1	8270C	BAL0977
N-nitrosodimethylamine	ND	0.021	0.078	mg/kg dry	12/16/24 13:45	12/23/24	1	8270C	BAL0977
N-Nitroso-di-n-propylamine	ND	0.019	0.078	mg/kg dry	12/16/24 13:45	12/23/24	1	8270C	BAL0977
N-Nitrosodiphenylamine	ND	0.032	0.078	mg/kg dry	12/16/24 13:45	12/23/24	1	8270C	BAL0977
n-Octadecane	ND	0.130	0.389	mg/kg dry	12/16/24 13:45	12/23/24	1	8270C	BAL0977
O-Cresol	ND	0.027	0.078	mg/kg dry	12/16/24 13:45	12/23/24	1	8270C	BAL0977
Pentachlorophenol	ND	0.205	0.389	mg/kg dry	12/16/24 13:45	12/23/24	1	8270C	BAL0977
Phenanthrene	ND	0.015	0.078	mg/kg dry	12/16/24 13:45	12/23/24	1	8270C	BAL0977
Phenol	ND	0.118	0.389	mg/kg dry	12/16/24 13:45	12/23/24	1	8270C	BAL0977
Pyrene	ND	0.016	0.078	mg/kg dry	12/16/24 13:45	12/23/24	1	8270C	BAL0977
Pyridine	ND	0.081	0.389	mg/kg dry	12/16/24 13:45	12/23/24	1	8270C	BAL0977
Surrogate: 2,4,6-Tribromophenol	*41%*		*38-105*			*12/23/24*	*1*	*8270C*	
Surrogate: 2-Fluorobiphenyl	*51%*		*40-110*			*12/23/24*	*1*	*8270C*	
Surrogate: 2-Fluorophenol	*48%*		*41-105*			*12/23/24*	*1*	*8270C*	
Surrogate: 4-Terphenyl-d14	*45%*		*26-133*			*12/23/24*	*1*	*8270C*	
Surrogate: Nitrobenzene-d5	*44%*		*27-129*			*12/23/24*	*1*	*8270C*	
Surrogate: Phenol-d5	*44%*		*43-105*			*12/23/24*	*1*	*8270C*	

Analyte	Result /Qual	DL	RL	Units	Date Sampled	Date Analyzed	DF	Method	Prep Batch
Semivolatile Organics - Prep EPA 3546									
4,4'-DDD	0.00609	0.000444	0.00155	mg/kg dry	12/16/24 13:45	12/18/24	1	8081	BAL0958
4,4'-DDE	0.00117 J	0.000468	0.00155	mg/kg dry	12/16/24 13:45	12/18/24	1	8081	BAL0958
4,4'-DDT	ND	0.00123	0.00155	mg/kg dry	12/16/24 13:45	12/18/24	1	8081	BAL0958
Aldrin [2]	ND	0.000222	0.000780	mg/kg dry	12/16/24 13:45	12/18/24	1	8081	BAL0958
alpha-BHC	ND	0.000386	0.000780	mg/kg dry	12/16/24 13:45	12/18/24	1	8081	BAL0958
alpha-Chlordane	ND	0.000210	0.000780	mg/kg dry	12/16/24 13:45	12/18/24	1	8081	BAL0958
beta-BHC	ND	0.000374	0.000780	mg/kg dry	12/16/24 13:45	12/18/24	1	8081	BAL0958

The contents of this report apply to the sample(s) analyzed in accordance with the chain of custody document.
No duplication of this report is allowed, except in its entirety.

Metiri Group - Geneva - 1950 S Batavia Ave, Suite 150, Geneva, IL 60134

INTERRA, Inc.	Project: INTERRA - Soil	
600 Territorial Drive, Suite G	Project Number: 9826 - Evanston Geotech and Environmental 2024	
Bolingbrook, IL 60440	Project Manager: INTERRA, Inc.	Reported: 01/07/2025 17:07

Sample Results
(Continued)

Sample: Hartrey-SGB-01 (Continued)
AAL1048-01 (Solid)

Analyte	Result	/Qual	DL	RL	Units	Date Sampled	Date Analyzed	DF	Method	Prep Batch
Semivolatile Organics - Prep EPA 3546 (Continued)										
delta-BHC	ND		0.000222	0.000780	mg/kg dry	12/16/24 13:45	12/18/24	1	8081	BAL0958
Dieldrin	ND		0.000479	0.00155	mg/kg dry	12/16/24 13:45	12/18/24	1	8081	BAL0958
Endosulfan I	ND		0.000187	0.000780	mg/kg dry	12/16/24 13:45	12/18/24	1	8081	BAL0958
Endosulfan II	ND		0.000397	0.00155	mg/kg dry	12/16/24 13:45	12/18/24	1	8081	BAL0958
Endosulfan sulfate	ND		0.000409	0.00155	mg/kg dry	12/16/24 13:45	12/18/24	1	8081	BAL0958
Endrin	ND		0.000503	0.00155	mg/kg dry	12/16/24 13:45	12/18/24	1	8081	BAL0958
Endrin aldehyde	ND		0.000456	0.00155	mg/kg dry	12/16/24 13:45	12/18/24	1	8081	BAL0958
Endrin ketone	ND		0.000538	0.00155	mg/kg dry	12/16/24 13:45	12/18/24	1	8081	BAL0958
GAMMA-BHC	ND		0.000245	0.000780	mg/kg dry	12/16/24 13:45	12/18/24	1	8081	BAL0958
gamma-Chlordane	ND		0.000281	0.000780	mg/kg dry	12/16/24 13:45	12/18/24	1	8081	BAL0958
Heptachlor	ND		0.000362	0.000780	mg/kg dry	12/16/24 13:45	12/18/24	1	8081	BAL0958
Heptachlor epoxide	ND		0.000187	0.000780	mg/kg dry	12/16/24 13:45	12/18/24	1	8081	BAL0958
Methoxychlor	ND		0.00725	0.00780	mg/kg dry	12/16/24 13:45	12/18/24	1	8081	BAL0958
Toxaphene	ND		0.0465	0.0974	mg/kg dry	12/16/24 13:45	12/18/24	1	8081	BAL0958
Surrogate: Decachlorobiphenyl (DCB)		*67%*		*29-133*			*12/18/24*	*1*	*8081*	
Surrogate: TETRACHLORO-M-XYLENE		*54%*		*36-118*			*12/18/24*	*1*	*8081*	
Aroclor 1016	ND		0.004	0.020	mg/kg dry	12/16/24 13:45	12/31/24	1	8082	BAL1312
Aroclor 1221	ND		0.004	0.020	mg/kg dry	12/16/24 13:45	12/31/24	1	8082	BAL1312
Aroclor 1232	ND		0.004	0.020	mg/kg dry	12/16/24 13:45	12/31/24	1	8082	BAL1312
Aroclor 1242	ND		0.004	0.020	mg/kg dry	12/16/24 13:45	12/31/24	1	8082	BAL1312
Aroclor 1248	ND		0.004	0.020	mg/kg dry	12/16/24 13:45	12/31/24	1	8082	BAL1312
Aroclor 1254	ND		0.005	0.020	mg/kg dry	12/16/24 13:45	12/31/24	1	8082	BAL1312
Aroclor 1260	ND		0.008	0.020	mg/kg dry	12/16/24 13:45	12/31/24	1	8082	BAL1312
Surrogate: Decachlorobiphenyl		*37%*		*20-142*			*12/31/24*	*1*	*8082*	
Surrogate: Tetrachloro-m-xylene		*48%*		*22-123*			*12/31/24*	*1*	*8082*	

Analyte	Result	/Qual	DL	RL	Units	Date Sampled	Date Analyzed	DF	Method	Prep Batch
Metals - CVAA										
Mercury	0.135		0.0432	0.0943	mg/kg dry	12/16/24 13:45	01/06/25	1	7471B	BBA0134

Analyte	Result	/Qual	DL	RL	Units	Date Sampled	Date Analyzed	DF	Method	Prep Batch
Wet Chemistry										
pH	8.23		0.100	0.100	pH Units	12/16/24 13:45	12/20/24	1	SW 9045D	BAL1133
Temperature	20.4		1.00	1.00	pH Units	12/16/24 13:45	12/20/24	1	SW 9045D	BAL1133
Percent Moisture	15		1.0	1.0	%	12/16/24 13:45	12/18/24	1	ASTM-D2216	BAL0954

Analyte	Result	/Qual	DL	RL	Units	Date Sampled	Date Analyzed	DF	Method	Prep Batch
Volatile Organics - Prep EPA 5035										
1,1,1-Trichloroethane	ND		0.000377	0.000944	mg/kg dry	12/16/24 13:45	12/26/24	1	8260B	BAL1337
1,1,2,2-Tetrachloroethane	ND		0.000491	0.000944	mg/kg dry	12/16/24 13:45	12/26/24	1	8260B	BAL1337
1,1,2-Trichloroethane	ND		0.000472	0.000944	mg/kg dry	12/16/24 13:45	12/26/24	1	8260B	BAL1337

The contents of this report apply to the sample(s) analyzed in accordance with the chain of custody document.
No duplication of this report is allowed, except in its entirety.

Metiri Group - Geneva - 1950 S Batavia Ave, Suite 150, Geneva, IL 60134

INTERRA, Inc.	Project: INTERRA - Soil	
600 Territorial Drive, Suite G	Project Number: 9826 - Evanston Geotech and Environmental 2024	
Bolingbrook, IL 60440	Project Manager: INTERRA, Inc.	Reported: 01/07/2025 17:07

Sample Results
(Continued)

Sample: Hartrey-SGB-01 (Continued)
AAL1048-01 (Solid)

Analyte	Result	/Qual	DL	RL	Units	Date Sampled	Date Analyzed	DF	Method	Prep Batch
Volatile Organics - Prep EPA 5035 (Continued)										
1,1-Dichloroethane	ND		0.000425	0.000944	mg/kg dry	12/16/24 13:45	12/26/24	1	8260B	BAL1337
1,1-Dichloroethene	ND		0.000453	0.000944	mg/kg dry	12/16/24 13:45	12/26/24	1	8260B	BAL1337
1,2-Dichloroethane	ND		0.000311	0.000944	mg/kg dry	12/16/24 13:45	12/26/24	1	8260B	BAL1337
1,2-Dichloropropane	ND		0.00155	0.00472	mg/kg dry	12/16/24 13:45	12/26/24	1	8260B	BAL1337
2-Butanone	0.00995	J	0.00224	0.0189	mg/kg dry	12/16/24 13:45	12/26/24	1	8260B	BAL1337
2-Hexanone	ND		0.000698	0.0236	mg/kg dry	12/16/24 13:45	12/26/24	1	8260B	BAL1337
4-Methyl-2-pentanone	ND		0.000708	0.0236	mg/kg dry	12/16/24 13:45	12/26/24	1	8260B	BAL1337
Acetone	0.0728	B	0.00501	0.0236	mg/kg dry	12/16/24 13:45	12/26/24	1	8260B	BAL1337
Benzene	ND		0.000293	0.000944	mg/kg dry	12/16/24 13:45	12/26/24	1	8260B	BAL1337
Bromoform	ND		0.00155	0.00472	mg/kg dry	12/16/24 13:45	12/26/24	1	8260B	BAL1337
Bromomethane	ND		0.000434	0.000944	mg/kg dry	12/16/24 13:45	12/26/24	1	8260B	BAL1337
Carbon disulfide	0.00611		0.00142	0.00472	mg/kg dry	12/16/24 13:45	12/26/24	1	8260B	BAL1337
Carbon tetrachloride	ND		0.000368	0.000944	mg/kg dry	12/16/24 13:45	12/26/24	1	8260B	BAL1337
Chlorobenzene	ND		0.000274	0.000944	mg/kg dry	12/16/24 13:45	12/26/24	1	8260B	BAL1337
Chloroethane	ND		0.00259	0.00472	mg/kg dry	12/16/24 13:45	12/26/24	1	8260B	BAL1337
Chloroform	ND		0.000425	0.000944	mg/kg dry	12/16/24 13:45	12/26/24	1	8260B	BAL1337
Chloromethane	ND		0.00363	0.00472	mg/kg dry	12/16/24 13:45	12/26/24	1	8260B	BAL1337
cis-1,2-Dichloroethene	ND		0.000359	0.000944	mg/kg dry	12/16/24 13:45	12/26/24	1	8260B	BAL1337
cis-1,3-dichloropropene	ND		0.000236	0.000944	mg/kg dry	12/16/24 13:45	12/26/24	1	8260B	BAL1337
Dibromochloromethane	ND		0.000406	0.000944	mg/kg dry	12/16/24 13:45	12/26/24	1	8260B	BAL1337
Ethylbenzene	ND		0.000368	0.000944	mg/kg dry	12/16/24 13:45	12/26/24	1	8260B	BAL1337
m,p-Xylene	ND		0.000566	0.00189	mg/kg dry	12/16/24 13:45	12/26/24	1	8260B	BAL1337
Methyl tert-butyl ether	ND		0.000330	0.000944	mg/kg dry	12/16/24 13:45	12/26/24	1	8260B	BAL1337
Methylene chloride	ND		0.00243	0.00472	mg/kg dry	12/16/24 13:45	12/26/24	1	8260B	BAL1337
o-Xylene	ND		0.000255	0.00189	mg/kg dry	12/16/24 13:45	12/26/24	1	8260B	BAL1337
Styrene	ND		0.000274	0.000944	mg/kg dry	12/16/24 13:45	12/26/24	1	8260B	BAL1337
Tetrachloroethene	ND		0.000566	0.00189	mg/kg dry	12/16/24 13:45	12/26/24	1	8260B	BAL1337
Toluene	ND		0.000444	0.000944	mg/kg dry	12/16/24 13:45	12/26/24	1	8260B	BAL1337
trans-1,2-Dichloroethene	ND		0.000349	0.000944	mg/kg dry	12/16/24 13:45	12/26/24	1	8260B	BAL1337
trans-1,3-dichloropropene	ND		0.000245	0.000944	mg/kg dry	12/16/24 13:45	12/26/24	1	8260B	BAL1337
Trichloroethene	ND		0.000340	0.000944	mg/kg dry	12/16/24 13:45	12/26/24	1	8260B	BAL1337
Vinyl chloride	ND		0.000972	0.00472	mg/kg dry	12/16/24 13:45	12/26/24	1	8260B	BAL1337
Surrogate: 4-Bromofluorobenzene	*102%*			*76-119*			*12/26/24*	*1*	*8260B*	
Surrogate: Dibromofluoromethane	*114%*			*66-137*			*12/26/24*	*1*	*8260B*	
Surrogate: Toluene-d8	*104%*			*80-120*			*12/26/24*	*1*	*8260B*	

Analyte	Result	/Qual	DL	RL	Units	Date Sampled	Date Analyzed	DF	Method	Prep Batch
Volatile Organics										
Total 1,3-Dichloropropene	ND		0.000236	0.000944	mg/kg Dry dry	12/16/24 13:45	12/26/24	1	8260B	[CALC]
Total Xylenes	ND		0.000255	0.00189	mg/kg Dry dry	12/16/24 13:45	12/26/24	1	8260B	[CALC]

Analyte	Result	/Qual	DL	RL	Units	Date Sampled	Date Analyzed	DF	Method	Prep Batch

The contents of this report apply to the sample(s) analyzed in accordance with the chain of custody document.
No duplication of this report is allowed, except in its entirety.

Metiri Group - Geneva - 1950 S Batavia Ave, Suite 150, Geneva, IL 60134

INTERRA, Inc.	Project: INTERRA - Soil	
600 Territorial Drive, Suite G	Project Number: 9826 - Evanston Geotech and Environmental 2024	
Bolingbrook, IL 60440	Project Manager: INTERRA, Inc.	Reported: 01/07/2025 17:07

Sample Results
(Continued)

Sample: Hartrey-SGB-01 (Continued)
AAL1048-01 (Solid)

Analyte	Result /Qual	DL	RL	Units	Date Sampled	Date Analyzed	DF	Method	Prep Batch
Metals - ICP									
Arsenic	4.15 J	0.330	5.00	mg/kg Dry	12/16/24 13:45	12/23/24	1	6010B	BAL1200
Barium	50.9	0.530	2.50	mg/kg Dry	12/16/24 13:45	12/23/24	1	6010B	BAL1200
Cadmium	0.147 J	0.0300	0.250	mg/kg Dry	12/16/24 13:45	12/23/24	1	6010B	BAL1200
Chromium	14.9	0.0870	0.250	mg/kg Dry	12/16/24 13:45	12/23/24	1	6010B	BAL1200
Lead	63.9	0.210	1.25	mg/kg Dry	12/16/24 13:45	12/23/24	1	6010B	BAL1200
Selenium	ND	0.360	5.00	mg/kg Dry	12/16/24 13:45	12/23/24	1	6010B	BAL1200
Silver	ND	0.260	0.500	mg/kg Dry	12/16/24 13:45	12/23/24	1	6010B	BAL1200

The contents of this report apply to the sample(s) analyzed in accordance with the chain of custody document.
No duplication of this report is allowed, except in its entirety.

Metiri Group - Geneva - 1950 S Batavia Ave, Suite 150, Geneva, IL 60134

INTERRA, Inc.	Project: INTERRA - Soil	
600 Territorial Drive, Suite G	Project Number: 9826 - Evanston Geotech and Environmental 2024	
Bolingbrook, IL 60440	Project Manager: INTERRA, Inc.	Reported: 01/07/2025 17:07

Sample Results

(Continued)

Sample: Hartrey-SGB-02

AAL1048-02 (Solid)

SVOC

Analyte	Result	/Qual	DL	RL	Units	Date Sampled	Date Analyzed	DF	Method	Prep Batch
1,2,4-Trichlorobenzene	ND		0.031	0.079	mg/kg dry	12/16/24 14:30	12/23/24	1	8270C	BAL0977
1,2-Dichlorobenzene	ND		0.017	0.079	mg/kg dry	12/16/24 14:30	12/23/24	1	8270C	BAL0977
1,3-Dichlorobenzene	ND		0.018	0.079	mg/kg dry	12/16/24 14:30	12/23/24	1	8270C	BAL0977
1,4-Dichlorobenzene	ND		0.013	0.079	mg/kg dry	12/16/24 14:30	12/23/24	1	8270C	BAL0977
2,4,5-Trichlorophenol	ND		0.125	0.396	mg/kg dry	12/16/24 14:30	12/23/24	1	8270C	BAL0977
2,4,6-Trichlorophenol	ND		0.127	0.396	mg/kg dry	12/16/24 14:30	12/23/24	1	8270C	BAL0977
2,4-Dichlorophenol	ND		0.119	0.396	mg/kg dry	12/16/24 14:30	12/23/24	1	8270C	BAL0977
2,4-Dimethylphenol	ND		0.191	0.396	mg/kg dry	12/16/24 14:30	12/23/24	1	8270C	BAL0977
2,4-Dinitrophenol	ND		0.251	0.396	mg/kg dry	12/16/24 14:30	12/23/24	1	8270C	BAL0977
2,4-Dinitrotoluene	ND		0.021	0.079	mg/kg dry	12/16/24 14:30	12/23/24	1	8270C	BAL0977
2,6-Dinitrotoluene	ND		0.018	0.079	mg/kg dry	12/16/24 14:30	12/23/24	1	8270C	BAL0977
2-Chloronaphthalene	ND		0.020	0.079	mg/kg dry	12/16/24 14:30	12/23/24	1	8270C	BAL0977
2-Chlorophenol	ND		0.113	0.396	mg/kg dry	12/16/24 14:30	12/23/24	1	8270C	BAL0977
2-Methylnaphthalene	ND		0.021	0.079	mg/kg dry	12/16/24 14:30	12/23/24	1	8270C	BAL0977
2-Nitroaniline	ND		0.132	0.396	mg/kg dry	12/16/24 14:30	12/23/24	1	8270C	BAL0977
2-Nitrophenol	ND		0.134	0.396	mg/kg dry	12/16/24 14:30	12/23/24	1	8270C	BAL0977
3,3-Dichlorobenzidine	ND		0.118	0.396	mg/kg dry	12/16/24 14:30	12/23/24	1	8270C	BAL0977
3-Nitroaniline	ND		0.061	0.396	mg/kg dry	12/16/24 14:30	12/23/24	1	8270C	BAL0977
4,6-Dinitro-2-methylphenol	ND		0.118	0.396	mg/kg dry	12/16/24 14:30	12/23/24	1	8270C	BAL0977
4-Bromophenyl phenyl ether	ND		0.021	0.079	mg/kg dry	12/16/24 14:30	12/23/24	1	8270C	BAL0977
4-Chloro-3-methylphenol	ND		0.122	0.396	mg/kg dry	12/16/24 14:30	12/23/24	1	8270C	BAL0977
4-Chloroaniline	ND		0.094	0.396	mg/kg dry	12/16/24 14:30	12/23/24	1	8270C	BAL0977
4-Chlorophenyl phenyl ether	ND		0.015	0.079	mg/kg dry	12/16/24 14:30	12/23/24	1	8270C	BAL0977
4-Nitroaniline	ND		0.077	0.396	mg/kg dry	12/16/24 14:30	12/23/24	1	8270C	BAL0977
4-Nitrophenol	ND		0.108	0.396	mg/kg dry	12/16/24 14:30	12/23/24	1	8270C	BAL0977
Acenaphthene	ND		0.019	0.079	mg/kg dry	12/16/24 14:30	12/23/24	1	8270C	BAL0977
Acenaphthylene	ND		0.017	0.079	mg/kg dry	12/16/24 14:30	12/23/24	1	8270C	BAL0977
Aniline	ND		0.081	0.396	mg/kg dry	12/16/24 14:30	12/23/24	1	8270C	BAL0977
Anthracene	ND		0.014	0.079	mg/kg dry	12/16/24 14:30	12/23/24	1	8270C	BAL0977
Azobenzene	ND		0.012	0.079	mg/kg dry	12/16/24 14:30	12/23/24	1	8270C	BAL0977
Benzidine	ND		0.083	0.990	mg/kg dry	12/16/24 14:30	12/23/24	1	8270C	BAL0977
Benzo(a)anthracene	ND		0.012	0.079	mg/kg dry	12/16/24 14:30	12/23/24	1	8270C	BAL0977
Benzo(a)pyrene	ND		0.015	0.079	mg/kg dry	12/16/24 14:30	12/23/24	1	8270C	BAL0977
Benzo(b)fluoranthene	ND		0.015	0.079	mg/kg dry	12/16/24 14:30	12/23/24	1	8270C	BAL0977
Benzo(g,h,i)perylene	ND		0.019	0.079	mg/kg dry	12/16/24 14:30	12/23/24	1	8270C	BAL0977
Benzo(k)fluoranthene	ND		0.013	0.079	mg/kg dry	12/16/24 14:30	12/23/24	1	8270C	BAL0977
Benzoic acid	ND		0.136	0.396	mg/kg dry	12/16/24 14:30	12/23/24	1	8270C	BAL0977
Benzyl alcohol	ND		0.146	0.396	mg/kg dry	12/16/24 14:30	12/23/24	1	8270C	BAL0977
Bis(2-chloroethoxy)methane	ND		0.023	0.079	mg/kg dry	12/16/24 14:30	12/23/24	1	8270C	BAL0977
bis(2-Chloroethyl)ether	ND		0.034	0.079	mg/kg dry	12/16/24 14:30	12/23/24	1	8270C	BAL0977
Bis(2-chloroisopropyl)ether	ND		0.029	0.079	mg/kg dry	12/16/24 14:30	12/23/24	1	8270C	BAL0977
Bis(2-ethylhexyl)phthalate	ND		0.140	0.396	mg/kg dry	12/16/24 14:30	12/23/24	1	8270C	BAL0977
Butyl benzyl phthalate	ND		0.139	0.396	mg/kg dry	12/16/24 14:30	12/23/24	1	8270C	BAL0977
Carbazole	ND		0.015	0.079	mg/kg dry	12/16/24 14:30	12/23/24	1	8270C	BAL0977
Chrysene	ND		0.015	0.079	mg/kg dry	12/16/24 14:30	12/23/24	1	8270C	BAL0977

The contents of this report apply to the sample(s) analyzed in accordance with the chain of custody document.
No duplication of this report is allowed, except in its entirety.

Metiri Group - Geneva - 1950 S Batavia Ave, Suite 150, Geneva, IL 60134

INTERRA, Inc.	Project: INTERRA - Soil	
600 Territorial Drive, Suite G	Project Number: 9826 - Evanston Geotech and Environmental 2024	
Bolingbrook, IL 60440	Project Manager: INTERRA, Inc.	Reported: 01/07/2025 17:07

Sample Results
(Continued)

Sample: Hartrey-SGB-02 (Continued)
AAL1048-02 (Solid)

SVOC (Continued)

Analyte	Result	/Qual	DL	RL	Units	Date Sampled	Date Analyzed	DF	Method	Prep Batch
Dibenzo(a,h)anthracene	ND		0.020	0.079	mg/kg dry	12/16/24 14:30	12/23/24	1	8270C	BAL0977
Dibenzofuran	ND		0.018	0.079	mg/kg dry	12/16/24 14:30	12/23/24	1	8270C	BAL0977
Diethyl phthalate	ND		0.116	0.396	mg/kg dry	12/16/24 14:30	12/23/24	1	8270C	BAL0977
Dimethyl phthalate	ND		0.130	0.396	mg/kg dry	12/16/24 14:30	12/23/24	1	8270C	BAL0977
Di-n-butyl phthalate	ND		0.108	0.396	mg/kg dry	12/16/24 14:30	12/23/24	1	8270C	BAL0977
Di-n-octyl phthalate	ND		0.156	0.396	mg/kg dry	12/16/24 14:30	12/23/24	1	8270C	BAL0977
Fluoranthene	ND		0.013	0.079	mg/kg dry	12/16/24 14:30	12/23/24	1	8270C	BAL0977
Fluorene	ND		0.018	0.079	mg/kg dry	12/16/24 14:30	12/23/24	1	8270C	BAL0977
Hexachlorobenzene	ND		0.127	0.396	mg/kg dry	12/16/24 14:30	12/23/24	1	8270C	BAL0977
Hexachlorobutadiene	ND		0.122	0.396	mg/kg dry	12/16/24 14:30	12/23/24	1	8270C	BAL0977
Hexachlorocyclopentadiene	ND		0.103	0.396	mg/kg dry	12/16/24 14:30	12/23/24	1	8270C	BAL0977
Hexachloroethane	ND		0.115	0.396	mg/kg dry	12/16/24 14:30	12/23/24	1	8270C	BAL0977
Indeno(1,2,3-cd)pyrene	ND		0.002	0.079	mg/kg dry	12/16/24 14:30	12/23/24	1	8270C	BAL0977
Isophorone	ND		0.002	0.079	mg/kg dry	12/16/24 14:30	12/23/24	1	8270C	BAL0977
m,p-Cresol	ND		0.028	0.079	mg/kg dry	12/16/24 14:30	12/23/24	1	8270C	BAL0977
Naphthalene	ND		0.018	0.079	mg/kg dry	12/16/24 14:30	12/23/24	1	8270C	BAL0977
n-Decane	ND		0.130	0.264	mg/kg dry	12/16/24 14:30	12/23/24	1	8270C	BAL0977
Nitrobenzene	ND		0.014	0.079	mg/kg dry	12/16/24 14:30	12/23/24	1	8270C	BAL0977
N-nitrosodimethylamine	ND		0.021	0.079	mg/kg dry	12/16/24 14:30	12/23/24	1	8270C	BAL0977
N-Nitroso-di-n-propylamine	ND		0.019	0.079	mg/kg dry	12/16/24 14:30	12/23/24	1	8270C	BAL0977
N-Nitrosodiphenylamine	ND		0.033	0.079	mg/kg dry	12/16/24 14:30	12/23/24	1	8270C	BAL0977
n-Octadecane	ND		0.132	0.396	mg/kg dry	12/16/24 14:30	12/23/24	1	8270C	BAL0977
O-Cresol	ND		0.027	0.079	mg/kg dry	12/16/24 14:30	12/23/24	1	8270C	BAL0977
Pentachlorophenol	ND		0.208	0.396	mg/kg dry	12/16/24 14:30	12/23/24	1	8270C	BAL0977
Phenanthrene	ND		0.015	0.079	mg/kg dry	12/16/24 14:30	12/23/24	1	8270C	BAL0977
Phenol	ND		0.120	0.396	mg/kg dry	12/16/24 14:30	12/23/24	1	8270C	BAL0977
Pyrene	ND		0.017	0.079	mg/kg dry	12/16/24 14:30	12/23/24	1	8270C	BAL0977
Pyridine	ND		0.082	0.396	mg/kg dry	12/16/24 14:30	12/23/24	1	8270C	BAL0977
Surrogate: 2,4,6-Tribromophenol	*44%*		*38-105*				*12/23/24*	*1*	*8270C*	
Surrogate: 2-Fluorobiphenyl	*53%*		*40-110*				*12/23/24*	*1*	*8270C*	
Surrogate: 2-Fluorophenol	*45%*		*41-105*				*12/23/24*	*1*	*8270C*	
Surrogate: 4-Terphenyl-d14	*50%*		*26-133*				*12/23/24*	*1*	*8270C*	
Surrogate: Nitrobenzene-d5	*51%*		*27-129*				*12/23/24*	*1*	*8270C*	
Surrogate: Phenol-d5	*42%*	S	*43-105*				*12/23/24*	*1*	*8270C*	

Semivolatile Organics - Prep EPA 3546

Analyte	Result	/Qual	DL	RL	Units	Date Sampled	Date Analyzed	DF	Method	Prep Batch
4,4'-DDD	ND		0.000451	0.00158	mg/kg dry	12/16/24 14:30	12/18/24	1	8081	BAL0958
4,4'-DDE	ND		0.000475	0.00158	mg/kg dry	12/16/24 14:30	12/18/24	1	8081	BAL0958
4,4'-DDT	ND		0.00125	0.00158	mg/kg dry	12/16/24 14:30	12/18/24	1	8081	BAL0958
Aldrin [2]	ND		0.000226	0.000792	mg/kg dry	12/16/24 14:30	12/18/24	1	8081	BAL0958
alpha-BHC	ND		0.000392	0.000792	mg/kg dry	12/16/24 14:30	12/18/24	1	8081	BAL0958
alpha-Chlordane	ND		0.000214	0.000792	mg/kg dry	12/16/24 14:30	12/18/24	1	8081	BAL0958
beta-BHC	ND		0.000380	0.000792	mg/kg dry	12/16/24 14:30	12/18/24	1	8081	BAL0958

The contents of this report apply to the sample(s) analyzed in accordance with the chain of custody document.
No duplication of this report is allowed, except in its entirety.

Metiri Group - Geneva - 1950 S Batavia Ave, Suite 150, Geneva, IL 60134

INTERRA, Inc.	Project: INTERRA - Soil	
600 Territorial Drive, Suite G	Project Number: 9826 - Evanston Geotech and Environmental 2024	
Bolingbrook, IL 60440	Project Manager: INTERRA, Inc.	Reported: 01/07/2025 17:07

Sample Results
(Continued)

Sample: Hartrey-SGB-02 (Continued)
AAL1048-02 (Solid)

Analyte	Result	/Qual	DL	RL	Units	Date Sampled	Date Analyzed	DF	Method	Prep Batch
Semivolatile Organics - Prep EPA 3546 (Continued)										
delta-BHC	ND		0.000226	0.000792	mg/kg dry	12/16/24 14:30	12/18/24	1	8081	BAL0958
Dieldrin	ND		0.000487	0.00158	mg/kg dry	12/16/24 14:30	12/18/24	1	8081	BAL0958
Endosulfan I	ND		0.000190	0.000792	mg/kg dry	12/16/24 14:30	12/18/24	1	8081	BAL0958
Endosulfan II	ND		0.000404	0.00158	mg/kg dry	12/16/24 14:30	12/18/24	1	8081	BAL0958
Endosulfan sulfate	ND		0.000416	0.00158	mg/kg dry	12/16/24 14:30	12/18/24	1	8081	BAL0958
Endrin	ND		0.000511	0.00158	mg/kg dry	12/16/24 14:30	12/18/24	1	8081	BAL0958
Endrin aldehyde	ND		0.000463	0.00158	mg/kg dry	12/16/24 14:30	12/18/24	1	8081	BAL0958
Endrin ketone	ND		0.000546	0.00158	mg/kg dry	12/16/24 14:30	12/18/24	1	8081	BAL0958
GAMMA-BHC	ND		0.000249	0.000792	mg/kg dry	12/16/24 14:30	12/18/24	1	8081	BAL0958
gamma-Chlordane	ND		0.000285	0.000792	mg/kg dry	12/16/24 14:30	12/18/24	1	8081	BAL0958
Heptachlor	ND		0.000368	0.000792	mg/kg dry	12/16/24 14:30	12/18/24	1	8081	BAL0958
Heptachlor epoxide	ND		0.000190	0.000792	mg/kg dry	12/16/24 14:30	12/18/24	1	8081	BAL0958
Methoxychlor	ND		0.00736	0.00792	mg/kg dry	12/16/24 14:30	12/18/24	1	8081	BAL0958
Toxaphene	ND		0.0473	0.0989	mg/kg dry	12/16/24 14:30	12/18/24	1	8081	BAL0958
Surrogate: Decachlorobiphenyl (DCB)		*76%*		*29-133*			*12/18/24*	*1*	*8081*	
Surrogate: TETRACHLORO-M-XYLENE		*63%*		*36-118*			*12/18/24*	*1*	*8081*	
AROCLOR 1016	ND		0.004	0.020	mg/kg dry	12/16/24 14:30	12/18/24	1	8082	BAL0958
AROCLOR 1221	ND		0.004	0.020	mg/kg dry	12/16/24 14:30	12/18/24	1	8082	BAL0958
AROCLOR 1232	ND		0.004	0.020	mg/kg dry	12/16/24 14:30	12/18/24	1	8082	BAL0958
AROCLOR 1242	ND		0.004	0.020	mg/kg dry	12/16/24 14:30	12/18/24	1	8082	BAL0958
AROCLOR 1248	ND		0.004	0.020	mg/kg dry	12/16/24 14:30	12/18/24	1	8082	BAL0958
AROCLOR 1254	ND		0.005	0.020	mg/kg dry	12/16/24 14:30	12/18/24	1	8082	BAL0958
AROCLOR 1260	ND		0.008	0.020	mg/kg dry	12/16/24 14:30	12/18/24	1	8082	BAL0958
Surrogate: Decachlorobiphenyl (DCB)		*71%*		*20-142*			*12/18/24*	*1*	*8082*	
Surrogate: TETRACHLORO-M-XYLENE		*63%*		*22-123*			*12/18/24*	*1*	*8082*	

Analyte	Result	/Qual	DL	RL	Units	Date Sampled	Date Analyzed	DF	Method	Prep Batch
Metals - CVAA										
Mercury	ND		0.0413	0.0902	mg/kg dry	12/16/24 14:30	01/06/25	1	7471B	BBA0134

Analyte	Result	/Qual	DL	RL	Units	Date Sampled	Date Analyzed	DF	Method	Prep Batch
Wet Chemistry										
pH	8.60		0.100	0.100	pH Units	12/16/24 14:30	12/20/24	1	SW 9045D	BAL1133
Temperature	20.7		1.00	1.00	pH Units	12/16/24 14:30	12/20/24	1	SW 9045D	BAL1133
Percent Moisture	16		1.0	1.0	%	12/16/24 14:30	12/18/24	1	ASTM-D2216	BAL0954

Analyte	Result	/Qual	DL	RL	Units	Date Sampled	Date Analyzed	DF	Method	Prep Batch
Volatile Organics - Prep EPA 5035										
1,1,1-Trichloroethane	ND		0.000348	0.000871	mg/kg dry	12/16/24 14:30	12/26/24	1	8260B	BAL1337
1,1,1-Trichloroethane	ND		0.000349	0.000872	mg/kg dry	12/16/24 14:30	12/30/24	1	8260B	BAL1459
1,1,2,2-Tetrachloroethane	ND		0.000453	0.000871	mg/kg dry	12/16/24 14:30	12/26/24	1	8260B	BAL1337

The contents of this report apply to the sample(s) analyzed in accordance with the chain of custody document.
No duplication of this report is allowed, except in its entirety.

Metiri Group - Geneva - 1950 S Batavia Ave, Suite 150, Geneva, IL 60134

INTERRA, Inc.	Project: INTERRA - Soil	
600 Territorial Drive, Suite G	Project Number: 9826 - Evanston Geotech and Environmental 2024	
Bolingbrook, IL 60440	Project Manager: INTERRA, Inc.	Reported: 01/07/2025 17:07

Sample Results
(Continued)

Sample: Hartrey-SGB-02 (Continued)
AAL1048-02 (Solid)

Analyte	Result /Qual	DL	RL	Units	Date Sampled	Date Analyzed	DF	Method	Prep Batch
Volatile Organics - Prep EPA 5035 (Continued)									
1,1,2,2-Tetrachloroethane	ND	0.000454	0.000872	mg/kg dry	12/16/24 14:30	12/30/24	1	8260B	BAL1459
1,1,2-Trichloroethane	ND	0.000435	0.000871	mg/kg dry	12/16/24 14:30	12/26/24	1	8260B	BAL1337
1,1,2-Trichloroethane	ND	0.000436	0.000872	mg/kg dry	12/16/24 14:30	12/30/24	1	8260B	BAL1459
1,1-Dichloroethane	ND	0.000392	0.000871	mg/kg dry	12/16/24 14:30	12/26/24	1	8260B	BAL1337
1,1-Dichloroethane	ND	0.000393	0.000872	mg/kg dry	12/16/24 14:30	12/30/24	1	8260B	BAL1459
1,1-Dichloroethene	ND	0.000418	0.000871	mg/kg dry	12/16/24 14:30	12/26/24	1	8260B	BAL1337
1,1-Dichloroethene	ND	0.000419	0.000872	mg/kg dry	12/16/24 14:30	12/30/24	1	8260B	BAL1459
1,2-Dichloroethane	ND	0.000287	0.000871	mg/kg dry	12/16/24 14:30	12/26/24	1	8260B	BAL1337
1,2-Dichloroethane	ND	0.000288	0.000872	mg/kg dry	12/16/24 14:30	12/30/24	1	8260B	BAL1459
1,2-Dichloropropane	ND	0.00143	0.00435	mg/kg dry	12/16/24 14:30	12/26/24	1	8260B	BAL1337
1,2-Dichloropropane	ND	0.00143	0.00436	mg/kg dry	12/16/24 14:30	12/30/24	1	8260B	BAL1459
2-Butanone	0.00552 J	0.00206	0.0174	mg/kg dry	12/16/24 14:30	12/26/24	1	8260B	BAL1337
2-Butanone	ND	0.00207	0.0174	mg/kg dry	12/16/24 14:30	12/30/24	1	8260B	BAL1459
2-Hexanone	ND	0.000644	0.0218	mg/kg dry	12/16/24 14:30	12/26/24	1	8260B	BAL1337
2-Hexanone	ND	0.000645	0.0218	mg/kg dry	12/16/24 14:30	12/30/24	1	8260B	BAL1459
4-Methyl-2-pentanone	ND	0.000653	0.0218	mg/kg dry	12/16/24 14:30	12/26/24	1	8260B	BAL1337
4-Methyl-2-pentanone	ND	0.000654	0.0218	mg/kg dry	12/16/24 14:30	12/30/24	1	8260B	BAL1459
Acetone	0.0319 B	0.00462	0.0218	mg/kg dry	12/16/24 14:30	12/26/24	1	8260B	BAL1337
Acetone	ND	0.00463	0.0218	mg/kg dry	12/16/24 14:30	12/30/24	1	8260B	BAL1459
Benzene	ND	0.000270	0.000871	mg/kg dry	12/16/24 14:30	12/26/24	1	8260B	BAL1337
Benzene	ND	0.000270	0.000872	mg/kg dry	12/16/24 14:30	12/30/24	1	8260B	BAL1459
Bromoform	ND	0.00143	0.00435	mg/kg dry	12/16/24 14:30	12/26/24	1	8260B	BAL1337
Bromoform	ND	0.00143	0.00436	mg/kg dry	12/16/24 14:30	12/30/24	1	8260B	BAL1459
Bromomethane	ND	0.000401	0.000871	mg/kg dry	12/16/24 14:30	12/26/24	1	8260B	BAL1337
Bromomethane	ND	0.000401	0.000872	mg/kg dry	12/16/24 14:30	12/30/24	1	8260B	BAL1459
Carbon disulfide	ND	0.00131	0.00435	mg/kg dry	12/16/24 14:30	12/26/24	1	8260B	BAL1337
Carbon disulfide	ND	0.00131	0.00436	mg/kg dry	12/16/24 14:30	12/30/24	1	8260B	BAL1459
Carbon tetrachloride	ND	0.000340	0.000871	mg/kg dry	12/16/24 14:30	12/26/24	1	8260B	BAL1337
Carbon tetrachloride	ND	0.000340	0.000872	mg/kg dry	12/16/24 14:30	12/30/24	1	8260B	BAL1459
Chlorobenzene	ND	0.000252	0.000871	mg/kg dry	12/16/24 14:30	12/26/24	1	8260B	BAL1337
Chlorobenzene	ND	0.000253	0.000872	mg/kg dry	12/16/24 14:30	12/30/24	1	8260B	BAL1459
Chloroethane	ND	0.00239	0.00435	mg/kg dry	12/16/24 14:30	12/26/24	1	8260B	BAL1337
Chloroethane	ND	0.00240	0.00436	mg/kg dry	12/16/24 14:30	12/30/24	1	8260B	BAL1459
Chloroform	ND	0.000392	0.000871	mg/kg dry	12/16/24 14:30	12/26/24	1	8260B	BAL1337
Chloroform	ND	0.000393	0.000872	mg/kg dry	12/16/24 14:30	12/30/24	1	8260B	BAL1459
Chloromethane	ND	0.00335	0.00435	mg/kg dry	12/16/24 14:30	12/26/24	1	8260B	BAL1337
Chloromethane	ND	0.00336	0.00436	mg/kg dry	12/16/24 14:30	12/30/24	1	8260B	BAL1459
cis-1,2-Dichloroethene	ND	0.000331	0.000871	mg/kg dry	12/16/24 14:30	12/26/24	1	8260B	BAL1337
cis-1,2-Dichloroethene	ND	0.000331	0.000872	mg/kg dry	12/16/24 14:30	12/30/24	1	8260B	BAL1459
cis-1,3-dichloropropene	ND	0.000218	0.000871	mg/kg dry	12/16/24 14:30	12/26/24	1	8260B	BAL1337
cis-1,3-dichloropropene	ND	0.000218	0.000872	mg/kg dry	12/16/24 14:30	12/30/24	1	8260B	BAL1459
Dibromochloromethane	ND	0.000374	0.000871	mg/kg dry	12/16/24 14:30	12/26/24	1	8260B	BAL1337
Dibromochloromethane	ND	0.000375	0.000872	mg/kg dry	12/16/24 14:30	12/30/24	1	8260B	BAL1459
Ethylbenzene	ND	0.000340	0.000871	mg/kg dry	12/16/24 14:30	12/26/24	1	8260B	BAL1337
Ethylbenzene	ND	0.000340	0.000872	mg/kg dry	12/16/24 14:30	12/30/24	1	8260B	BAL1459

The contents of this report apply to the sample(s) analyzed in accordance with the chain of custody document.
No duplication of this report is allowed, except in its entirety.

Metiri Group - Geneva - 1950 S Batavia Ave, Suite 150, Geneva, IL 60134

INTERRA, Inc.	Project: INTERRA - Soil	
600 Territorial Drive, Suite G	Project Number: 9826 - Evanston Geotech and Environmental 2024	
Bolingbrook, IL 60440	Project Manager: INTERRA, Inc.	Reported: 01/07/2025 17:07

Sample Results
(Continued)

Sample: Hartrey-SGB-02 (Continued)
AAL1048-02 (Solid)

Analyte	Result /Qual	DL	RL	Units	Date Sampled	Date Analyzed	DF	Method	Prep Batch
Volatile Organics - Prep EPA 5035 (Continued)									
m,p-Xylene	ND	0.000522	0.00174	mg/kg dry	12/16/24 14:30	12/26/24	1	8260B	BAL1337
m,p-Xylene	ND	0.000523	0.00174	mg/kg dry	12/16/24 14:30	12/30/24	1	8260B	BAL1459
Methyl tert-butyl ether	ND	0.000305	0.000871	mg/kg dry	12/16/24 14:30	12/26/24	1	8260B	BAL1337
Methyl tert-butyl ether	ND	0.000305	0.000872	mg/kg dry	12/16/24 14:30	12/30/24	1	8260B	BAL1459
Methylene chloride	ND	0.00225	0.00435	mg/kg dry	12/16/24 14:30	12/26/24	1	8260B	BAL1337
Methylene chloride	ND	0.00225	0.00436	mg/kg dry	12/16/24 14:30	12/30/24	1	8260B	BAL1459
o-Xylene	ND	0.000235	0.00174	mg/kg dry	12/16/24 14:30	12/26/24	1	8260B	BAL1337
o-Xylene	ND	0.000236	0.00174	mg/kg dry	12/16/24 14:30	12/30/24	1	8260B	BAL1459
Styrene	ND	0.000252	0.000871	mg/kg dry	12/16/24 14:30	12/26/24	1	8260B	BAL1337
Styrene	ND	0.000253	0.000872	mg/kg dry	12/16/24 14:30	12/30/24	1	8260B	BAL1459
Tetrachloroethene	ND	0.000522	0.00174	mg/kg dry	12/16/24 14:30	12/26/24	1	8260B	BAL1337
Tetrachloroethene	ND	0.000523	0.00174	mg/kg dry	12/16/24 14:30	12/30/24	1	8260B	BAL1459
Toluene	ND	0.000409	0.000871	mg/kg dry	12/16/24 14:30	12/26/24	1	8260B	BAL1337
Toluene	ND	0.000410	0.000872	mg/kg dry	12/16/24 14:30	12/30/24	1	8260B	BAL1459
trans-1,2-Dichloroethene	ND	0.000322	0.000871	mg/kg dry	12/16/24 14:30	12/26/24	1	8260B	BAL1337
trans-1,2-Dichloroethene	ND	0.000323	0.000872	mg/kg dry	12/16/24 14:30	12/30/24	1	8260B	BAL1459
trans-1,3-dichloropropene	ND	0.000226	0.000871	mg/kg dry	12/16/24 14:30	12/26/24	1	8260B	BAL1337
trans-1,3-dichloropropene	ND	0.000227	0.000872	mg/kg dry	12/16/24 14:30	12/30/24	1	8260B	BAL1459
Trichloroethene	0.00186	0.000313	0.000871	mg/kg dry	12/16/24 14:30	12/26/24	1	8260B	BAL1337
Trichloroethene	0.00167	0.000314	0.000872	mg/kg dry	12/16/24 14:30	12/30/24	1	8260B	BAL1459
Vinyl chloride	ND	0.000897	0.00435	mg/kg dry	12/16/24 14:30	12/26/24	1	8260B	BAL1337
Vinyl chloride	ND	0.000898	0.00436	mg/kg dry	12/16/24 14:30	12/30/24	1	8260B	BAL1459
Surrogate: 4-Bromofluorobenzene	*102%*		*76-119*			*12/26/24*	*1*	*8260B*	
Surrogate: 4-Bromofluorobenzene	*102%*		*76-119*			*12/30/24*	*1*	*8260B*	
Surrogate: Dibromofluoromethane	*122%*		*66-137*			*12/26/24*	*1*	*8260B*	
Surrogate: Dibromofluoromethane	*97%*		*66-137*			*12/30/24*	*1*	*8260B*	
Surrogate: Toluene-d8	*105%*		*80-120*			*12/26/24*	*1*	*8260B*	
Surrogate: Toluene-d8	*102%*		*80-120*			*12/30/24*	*1*	*8260B*	

Analyte	Result /Qual	DL	RL	Units	Date Sampled	Date Analyzed	DF	Method	Prep Batch
Volatile Organics									
Total 1,3-Dichloropropene	ND	0.000218	0.000871	mg/kg Dry dry	12/16/24 14:30	12/30/24	1	8260B	[CALC]
Total Xylenes	ND	0.000235	0.00174	mg/kg Dry dry	12/16/24 14:30	12/30/24	1	8260B	[CALC]

Analyte	Result /Qual	DL	RL	Units	Date Sampled	Date Analyzed	DF	Method	Prep Batch
Metals - ICP									
Arsenic	6.10	0.330	5.00	mg/kg Dry	12/16/24 14:30	12/20/24	1	6010B	BAL1165
Barium	37.8	0.530	2.50	mg/kg Dry	12/16/24 14:30	12/20/24	1	6010B	BAL1165
Cadmium	0.177 J	0.0300	0.250	mg/kg Dry	12/16/24 14:30	12/20/24	1	6010B	BAL1165
Chromium	13.9	0.0870	0.250	mg/kg Dry	12/16/24 14:30	12/20/24	1	6010B	BAL1165
Lead	10.0	0.210	1.25	mg/kg Dry	12/16/24 14:30	12/20/24	1	6010B	BAL1165

The contents of this report apply to the sample(s) analyzed in accordance with the chain of custody document.
No duplication of this report is allowed, except in its entirety.

Metiri Group - Geneva - 1950 S Batavia Ave, Suite 150, Geneva, IL 60134

INTERRA, Inc.	Project: INTERRA - Soil	
600 Territorial Drive, Suite G	Project Number: 9826 - Evanston Geotech and Environmental 2024	
Bolingbrook, IL 60440	Project Manager: INTERRA, Inc.	Reported: 01/07/2025 17:07

Sample Results
(Continued)

Sample: Hartrey-SGB-02 (Continued)
AAL1048-02 (Solid)

Analyte	Result /Qual	DL	RL	Units	Date Sampled	Date Analyzed	DF	Method	Prep Batch
Metals - ICP (Continued)									
Selenium	0.488 J	0.360	5.00	mg/kg Dry	12/16/24 14:30	12/20/24	1	6010B	BAL1165
Silver	ND	0.260	0.500	mg/kg Dry	12/16/24 14:30	12/20/24	1	6010B	BAL1165

The contents of this report apply to the sample(s) analyzed in accordance with the chain of custody document.
No duplication of this report is allowed, except in its entirety.

Metiri Group - Geneva - 1950 S Batavia Ave, Suite 150, Geneva, IL 60134

INTERRA, Inc.	Project: INTERRA - Soil	
600 Territorial Drive, Suite G	Project Number: 9826 - Evanston Geotech and Environmental 2024	
Bolingbrook, IL 60440	Project Manager: INTERRA, Inc.	Reported: 01/07/2025 17:07

Sample Results

(Continued)

Sample: Hartrey-SGB-03

AAL1048-03 (Solid)

Analyte	Result /Qual	DL	RL	Units	Date Sampled	Date Analyzed	DF	Method	Prep Batch
SVOC									
1,2,4-Trichlorobenzene	ND	0.031	0.079	mg/kg dry	12/16/24 14:15	12/23/24	1	8270C	BAL0977
1,2-Dichlorobenzene	ND	0.017	0.079	mg/kg dry	12/16/24 14:15	12/23/24	1	8270C	BAL0977
1,3-Dichlorobenzene	ND	0.018	0.079	mg/kg dry	12/16/24 14:15	12/23/24	1	8270C	BAL0977
1,4-Dichlorobenzene	ND	0.013	0.079	mg/kg dry	12/16/24 14:15	12/23/24	1	8270C	BAL0977
2,4,5-Trichlorophenol	ND	0.124	0.394	mg/kg dry	12/16/24 14:15	12/23/24	1	8270C	BAL0977
2,4,6-Trichlorophenol	ND	0.127	0.394	mg/kg dry	12/16/24 14:15	12/23/24	1	8270C	BAL0977
2,4-Dichlorophenol	ND	0.118	0.394	mg/kg dry	12/16/24 14:15	12/23/24	1	8270C	BAL0977
2,4-Dimethylphenol	ND	0.190	0.394	mg/kg dry	12/16/24 14:15	12/23/24	1	8270C	BAL0977
2,4-Dinitrophenol	ND	0.250	0.394	mg/kg dry	12/16/24 14:15	12/23/24	1	8270C	BAL0977
2,4-Dinitrotoluene	ND	0.021	0.079	mg/kg dry	12/16/24 14:15	12/23/24	1	8270C	BAL0977
2,6-Dinitrotoluene	ND	0.018	0.079	mg/kg dry	12/16/24 14:15	12/23/24	1	8270C	BAL0977
2-Chloronaphthalene	ND	0.020	0.079	mg/kg dry	12/16/24 14:15	12/23/24	1	8270C	BAL0977
2-Chlorophenol	ND	0.112	0.394	mg/kg dry	12/16/24 14:15	12/23/24	1	8270C	BAL0977
2-Methylnaphthalene	ND	0.021	0.079	mg/kg dry	12/16/24 14:15	12/23/24	1	8270C	BAL0977
2-Nitroaniline	ND	0.131	0.394	mg/kg dry	12/16/24 14:15	12/23/24	1	8270C	BAL0977
2-Nitrophenol	ND	0.134	0.394	mg/kg dry	12/16/24 14:15	12/23/24	1	8270C	BAL0977
3,3-Dichlorobenzidine	ND	0.117	0.394	mg/kg dry	12/16/24 14:15	12/23/24	1	8270C	BAL0977
3-Nitroaniline	ND	0.060	0.394	mg/kg dry	12/16/24 14:15	12/23/24	1	8270C	BAL0977
4,6-Dinitro-2-methylphenol	ND	0.117	0.394	mg/kg dry	12/16/24 14:15	12/23/24	1	8270C	BAL0977
4-Bromophenyl phenyl ether	ND	0.021	0.079	mg/kg dry	12/16/24 14:15	12/23/24	1	8270C	BAL0977
4-Chloro-3-methylphenol	ND	0.122	0.394	mg/kg dry	12/16/24 14:15	12/23/24	1	8270C	BAL0977
4-Chloroaniline	ND	0.093	0.394	mg/kg dry	12/16/24 14:15	12/23/24	1	8270C	BAL0977
4-Chlorophenyl phenyl ether	ND	0.015	0.079	mg/kg dry	12/16/24 14:15	12/23/24	1	8270C	BAL0977
4-Nitroaniline	ND	0.077	0.394	mg/kg dry	12/16/24 14:15	12/23/24	1	8270C	BAL0977
4-Nitrophenol	ND	0.108	0.394	mg/kg dry	12/16/24 14:15	12/23/24	1	8270C	BAL0977
Acenaphthene	ND	0.019	0.079	mg/kg dry	12/16/24 14:15	12/23/24	1	8270C	BAL0977
Acenaphthylene	ND	0.017	0.079	mg/kg dry	12/16/24 14:15	12/23/24	1	8270C	BAL0977
Aniline	ND	0.080	0.394	mg/kg dry	12/16/24 14:15	12/23/24	1	8270C	BAL0977
Anthracene	ND	0.014	0.079	mg/kg dry	12/16/24 14:15	12/23/24	1	8270C	BAL0977
Azobenzene	ND	0.012	0.079	mg/kg dry	12/16/24 14:15	12/23/24	1	8270C	BAL0977
Benzidine	ND	0.083	0.986	mg/kg dry	12/16/24 14:15	12/23/24	1	8270C	BAL0977
Benzo(a)anthracene	ND	0.012	0.079	mg/kg dry	12/16/24 14:15	12/23/24	1	8270C	BAL0977
Benzo(a)pyrene	ND	0.015	0.079	mg/kg dry	12/16/24 14:15	12/23/24	1	8270C	BAL0977
Benzo(b)fluoranthene	ND	0.015	0.079	mg/kg dry	12/16/24 14:15	12/23/24	1	8270C	BAL0977
Benzo(g,h,i)perylene	ND	0.019	0.079	mg/kg dry	12/16/24 14:15	12/23/24	1	8270C	BAL0977
Benzo(k)fluoranthene	ND	0.013	0.079	mg/kg dry	12/16/24 14:15	12/23/24	1	8270C	BAL0977
Benzoic acid	ND	0.135	0.394	mg/kg dry	12/16/24 14:15	12/23/24	1	8270C	BAL0977
Benzyl alcohol	ND	0.146	0.394	mg/kg dry	12/16/24 14:15	12/23/24	1	8270C	BAL0977
Bis(2-chloroethoxy)methane	ND	0.022	0.079	mg/kg dry	12/16/24 14:15	12/23/24	1	8270C	BAL0977
bis(2-Chloroethyl)ether	ND	0.034	0.079	mg/kg dry	12/16/24 14:15	12/23/24	1	8270C	BAL0977
Bis(2-chloroisopropyl)ether	ND	0.028	0.079	mg/kg dry	12/16/24 14:15	12/23/24	1	8270C	BAL0977
Bis(2-ethylhexyl)phthalate	ND	0.140	0.394	mg/kg dry	12/16/24 14:15	12/23/24	1	8270C	BAL0977
Butyl benzyl phthalate	ND	0.138	0.394	mg/kg dry	12/16/24 14:15	12/23/24	1	8270C	BAL0977
Carbazole	ND	0.015	0.079	mg/kg dry	12/16/24 14:15	12/23/24	1	8270C	BAL0977
Chrysene	ND	0.015	0.079	mg/kg dry	12/16/24 14:15	12/23/24	1	8270C	BAL0977

The contents of this report apply to the sample(s) analyzed in accordance with the chain of custody document.
No duplication of this report is allowed, except in its entirety.

Metiri Group - Geneva - 1950 S Batavia Ave, Suite 150, Geneva, IL 60134

INTERRA, Inc.	Project: INTERRA - Soil	
600 Territorial Drive, Suite G	Project Number: 9826 - Evanston Geotech and Environmental 2024	
Bolingbrook, IL 60440	Project Manager: INTERRA, Inc.	Reported: 01/07/2025 17:07

Sample Results
(Continued)

Sample: Hartrey-SGB-03 (Continued)
AAL1048-03 (Solid)

Analyte	Result	/Qual	DL	RL	Units	Date Sampled	Date Analyzed	DF	Method	Prep Batch
SVOC (Continued)										
Dibenzo(a,h)anthracene	ND		0.020	0.079	mg/kg dry	12/16/24 14:15	12/23/24	1	8270C	BAL0977
Dibenzofuran	ND		0.018	0.079	mg/kg dry	12/16/24 14:15	12/23/24	1	8270C	BAL0977
Diethyl phthalate	ND		0.116	0.394	mg/kg dry	12/16/24 14:15	12/23/24	1	8270C	BAL0977
Dimethyl phthalate	ND		0.129	0.394	mg/kg dry	12/16/24 14:15	12/23/24	1	8270C	BAL0977
Di-n-butyl phthalate	ND		0.108	0.394	mg/kg dry	12/16/24 14:15	12/23/24	1	8270C	BAL0977
Di-n-octyl phthalate	ND		0.155	0.394	mg/kg dry	12/16/24 14:15	12/23/24	1	8270C	BAL0977
Fluoranthene	ND		0.013	0.079	mg/kg dry	12/16/24 14:15	12/23/24	1	8270C	BAL0977
Fluorene	ND		0.018	0.079	mg/kg dry	12/16/24 14:15	12/23/24	1	8270C	BAL0977
Hexachlorobenzene	ND		0.127	0.394	mg/kg dry	12/16/24 14:15	12/23/24	1	8270C	BAL0977
Hexachlorobutadiene	ND		0.122	0.394	mg/kg dry	12/16/24 14:15	12/23/24	1	8270C	BAL0977
Hexachlorocyclopentadiene	ND		0.103	0.394	mg/kg dry	12/16/24 14:15	12/23/24	1	8270C	BAL0977
Hexachloroethane	ND		0.115	0.394	mg/kg dry	12/16/24 14:15	12/23/24	1	8270C	BAL0977
Indeno(1,2,3-cd)pyrene	ND		0.002	0.079	mg/kg dry	12/16/24 14:15	12/23/24	1	8270C	BAL0977
Isophorone	ND		0.002	0.079	mg/kg dry	12/16/24 14:15	12/23/24	1	8270C	BAL0977
m,p-Cresol	ND		0.028	0.079	mg/kg dry	12/16/24 14:15	12/23/24	1	8270C	BAL0977
Naphthalene	ND		0.018	0.079	mg/kg dry	12/16/24 14:15	12/23/24	1	8270C	BAL0977
n-Decane	ND		0.129	0.263	mg/kg dry	12/16/24 14:15	12/23/24	1	8270C	BAL0977
Nitrobenzene	ND		0.014	0.079	mg/kg dry	12/16/24 14:15	12/23/24	1	8270C	BAL0977
N-nitrosodimethylamine	ND		0.021	0.079	mg/kg dry	12/16/24 14:15	12/23/24	1	8270C	BAL0977
N-Nitroso-di-n-propylamine	ND		0.019	0.079	mg/kg dry	12/16/24 14:15	12/23/24	1	8270C	BAL0977
N-Nitrosodiphenylamine	ND		0.033	0.079	mg/kg dry	12/16/24 14:15	12/23/24	1	8270C	BAL0977
n-Octadecane	ND		0.131	0.394	mg/kg dry	12/16/24 14:15	12/23/24	1	8270C	BAL0977
O-Cresol	ND		0.027	0.079	mg/kg dry	12/16/24 14:15	12/23/24	1	8270C	BAL0977
Pentachlorophenol	ND		0.207	0.394	mg/kg dry	12/16/24 14:15	12/23/24	1	8270C	BAL0977
Phenanthrene	ND		0.015	0.079	mg/kg dry	12/16/24 14:15	12/23/24	1	8270C	BAL0977
Phenol	ND		0.120	0.394	mg/kg dry	12/16/24 14:15	12/23/24	1	8270C	BAL0977
Pyrene	ND		0.017	0.079	mg/kg dry	12/16/24 14:15	12/23/24	1	8270C	BAL0977
Pyridine	ND		0.082	0.394	mg/kg dry	12/16/24 14:15	12/23/24	1	8270C	BAL0977
Surrogate: 2,4,6-Tribromophenol	*36%*	S	*38-105*				*12/23/24*	*1*	*8270C*	
Surrogate: 2-Fluorobiphenyl	*42%*		*40-110*				*12/23/24*	*1*	*8270C*	
Surrogate: 2-Fluorophenol	*37%*	S	*41-105*				*12/23/24*	*1*	*8270C*	
Surrogate: 4-Terphenyl-d14	*39%*		*26-133*				*12/23/24*	*1*	*8270C*	
Surrogate: Nitrobenzene-d5	*38%*		*27-129*				*12/23/24*	*1*	*8270C*	
Surrogate: Phenol-d5	*33%*	S	*43-105*				*12/23/24*	*1*	*8270C*	

Analyte	Result	/Qual	DL	RL	Units	Date Sampled	Date Analyzed	DF	Method	Prep Batch
Semivolatile Organics - Prep EPA 3546										
4,4'-DDD	0.00140	J	0.000448	0.00157	mg/kg dry	12/16/24 14:15	12/18/24	1	8081	BAL0958
4,4'-DDE	ND		0.000472	0.00157	mg/kg dry	12/16/24 14:15	12/18/24	1	8081	BAL0958
4,4'-DDT	ND		0.00124	0.00157	mg/kg dry	12/16/24 14:15	12/18/24	1	8081	BAL0958
Aldrin [2]	ND		0.000224	0.000787	mg/kg dry	12/16/24 14:15	12/18/24	1	8081	BAL0958
alpha-BHC	ND		0.000389	0.000787	mg/kg dry	12/16/24 14:15	12/18/24	1	8081	BAL0958
alpha-Chlordane	ND		0.000212	0.000787	mg/kg dry	12/16/24 14:15	12/18/24	1	8081	BAL0958
beta-BHC	ND		0.000378	0.000787	mg/kg dry	12/16/24 14:15	12/18/24	1	8081	BAL0958

The contents of this report apply to the sample(s) analyzed in accordance with the chain of custody document.
No duplication of this report is allowed, except in its entirety.

Metiri Group - Geneva - 1950 S Batavia Ave, Suite 150, Geneva, IL 60134

INTERRA, Inc.	Project: INTERRA - Soil	
600 Territorial Drive, Suite G	Project Number: 9826 - Evanston Geotech and Environmental 2024	
Bolingbrook, IL 60440	Project Manager: INTERRA, Inc.	Reported: 01/07/2025 17:07

Sample Results
(Continued)

Sample: Hartrey-SGB-03 (Continued)
AAL1048-03 (Solid)

Semivolatile Organics - Prep EPA 3546 (Continued)

Analyte	Result	/Qual	DL	RL	Units	Date Sampled	Date Analyzed	DF	Method	Prep Batch
delta-BHC	ND		0.000224	0.000787	mg/kg dry	12/16/24 14:15	12/18/24	1	8081	BAL0958
Dieldrin	ND		0.000484	0.00157	mg/kg dry	12/16/24 14:15	12/18/24	1	8081	BAL0958
Endosulfan I	ND		0.000189	0.000787	mg/kg dry	12/16/24 14:15	12/18/24	1	8081	BAL0958
Endosulfan II	ND		0.000401	0.00157	mg/kg dry	12/16/24 14:15	12/18/24	1	8081	BAL0958
Endosulfan sulfate	ND		0.000413	0.00157	mg/kg dry	12/16/24 14:15	12/18/24	1	8081	BAL0958
Endrin	ND		0.000507	0.00157	mg/kg dry	12/16/24 14:15	12/18/24	1	8081	BAL0958
Endrin aldehyde	ND		0.000460	0.00157	mg/kg dry	12/16/24 14:15	12/18/24	1	8081	BAL0958
Endrin ketone	ND		0.000543	0.00157	mg/kg dry	12/16/24 14:15	12/18/24	1	8081	BAL0958
GAMMA-BHC	ND		0.000248	0.000787	mg/kg dry	12/16/24 14:15	12/18/24	1	8081	BAL0958
gamma-Chlordane	ND		0.000283	0.000787	mg/kg dry	12/16/24 14:15	12/18/24	1	8081	BAL0958
Heptachlor	ND		0.000366	0.000787	mg/kg dry	12/16/24 14:15	12/18/24	1	8081	BAL0958
Heptachlor epoxide	ND		0.000189	0.000787	mg/kg dry	12/16/24 14:15	12/18/24	1	8081	BAL0958
Methoxychlor	ND		0.00732	0.00787	mg/kg dry	12/16/24 14:15	12/18/24	1	8081	BAL0958
Toxaphene	ND		0.0470	0.0983	mg/kg dry	12/16/24 14:15	12/18/24	1	8081	BAL0958
Surrogate: Decachlorobiphenyl (DCB)		*70%*		*29-133*			*12/18/24*	*1*	*8081*	
Surrogate: TETRACHLORO-M-XYLENE		*61%*		*36-118*			*12/18/24*	*1*	*8081*	
AROCLOR 1016	ND		0.004	0.020	mg/kg dry	12/16/24 14:15	12/18/24	1	8082	BAL0958
AROCLOR 1221	ND		0.004	0.020	mg/kg dry	12/16/24 14:15	12/18/24	1	8082	BAL0958
AROCLOR 1232	ND		0.004	0.020	mg/kg dry	12/16/24 14:15	12/18/24	1	8082	BAL0958
AROCLOR 1242	ND		0.004	0.020	mg/kg dry	12/16/24 14:15	12/18/24	1	8082	BAL0958
AROCLOR 1248	ND		0.004	0.020	mg/kg dry	12/16/24 14:15	12/18/24	1	8082	BAL0958
AROCLOR 1254	ND		0.005	0.020	mg/kg dry	12/16/24 14:15	12/18/24	1	8082	BAL0958
AROCLOR 1260	ND		0.008	0.020	mg/kg dry	12/16/24 14:15	12/18/24	1	8082	BAL0958
Surrogate: Decachlorobiphenyl (DCB)		*75%*		*20-142*			*12/18/24*	*1*	*8082*	
Surrogate: TETRACHLORO-M-XYLENE		*62%*		*22-123*			*12/18/24*	*1*	*8082*	

Metals - CVAA

Analyte	Result	/Qual	DL	RL	Units	Date Sampled	Date Analyzed	DF	Method	Prep Batch
Mercury	0.0633	J	0.0451	0.0986	mg/kg dry	12/16/24 14:15	01/06/25	1	7471B	BBA0134

Wet Chemistry

Analyte	Result	/Qual	DL	RL	Units	Date Sampled	Date Analyzed	DF	Method	Prep Batch
pH	8.77		0.100	0.100	pH Units	12/16/24 14:15	12/20/24	1	SW 9045D	BAL1133
Temperature	20.7		1.00	1.00	pH Units	12/16/24 14:15	12/20/24	1	SW 9045D	BAL1133
Percent Moisture	16		1.0	1.0	%	12/16/24 14:15	12/18/24	1	ASTM-D2216	BAL0954

Volatile Organics - Prep EPA 5035

Analyte	Result	/Qual	DL	RL	Units	Date Sampled	Date Analyzed	DF	Method	Prep Batch
1,1,1-Trichloroethane	ND		0.000331	0.000828	mg/kg dry	12/16/24 14:15	12/26/24	1	8260B	BAL1337
1,1,1-Trichloroethane	ND		0.000379	0.000948	mg/kg dry	12/16/24 14:15	12/30/24	1	8260B	BAL1459
1,1,2,2-Tetrachloroethane	ND		0.000431	0.000828	mg/kg dry	12/16/24 14:15	12/26/24	1	8260B	BAL1337

The contents of this report apply to the sample(s) analyzed in accordance with the chain of custody document.
No duplication of this report is allowed, except in its entirety.

Metiri Group - Geneva - 1950 S Batavia Ave, Suite 150, Geneva, IL 60134

INTERRA, Inc.	Project: INTERRA - Soil	
600 Territorial Drive, Suite G	Project Number: 9826 - Evanston Geotech and Environmental 2024	
Bolingbrook, IL 60440	Project Manager: INTERRA, Inc.	Reported: 01/07/2025 17:07

Sample Results
(Continued)

Sample: Hartrey-SGB-03 (Continued)
AAL1048-03 (Solid)

Analyte	Result /Qual	DL	RL	Units	Date Sampled	Date Analyzed	DF	Method	Prep Batch
Volatile Organics - Prep EPA 5035 (Continued)									
1,1,2,2-Tetrachloroethane	ND	0.000493	0.000948	mg/kg dry	12/16/24 14:15	12/30/24	1	8260B	BAL1459
1,1,2-Trichloroethane	ND	0.000414	0.000828	mg/kg dry	12/16/24 14:15	12/26/24	1	8260B	BAL1337
1,1,2-Trichloroethane	ND	0.000474	0.000948	mg/kg dry	12/16/24 14:15	12/30/24	1	8260B	BAL1459
1,1-Dichloroethane	ND	0.000373	0.000828	mg/kg dry	12/16/24 14:15	12/26/24	1	8260B	BAL1337
1,1-Dichloroethane	ND	0.000427	0.000948	mg/kg dry	12/16/24 14:15	12/30/24	1	8260B	BAL1459
1,1-Dichloroethene	ND	0.000398	0.000828	mg/kg dry	12/16/24 14:15	12/26/24	1	8260B	BAL1337
1,1-Dichloroethene	ND	0.000455	0.000948	mg/kg dry	12/16/24 14:15	12/30/24	1	8260B	BAL1459
1,2-Dichloroethane	ND	0.000273	0.000828	mg/kg dry	12/16/24 14:15	12/26/24	1	8260B	BAL1337
1,2-Dichloroethane	ND	0.000313	0.000948	mg/kg dry	12/16/24 14:15	12/30/24	1	8260B	BAL1459
1,2-Dichloropropane	ND	0.00136	0.00414	mg/kg dry	12/16/24 14:15	12/26/24	1	8260B	BAL1337
1,2-Dichloropropane	ND	0.00155	0.00474	mg/kg dry	12/16/24 14:15	12/30/24	1	8260B	BAL1459
2-Butanone	ND	0.00196	0.0166	mg/kg dry	12/16/24 14:15	12/26/24	1	8260B	BAL1337
2-Butanone	0.00482 J	0.00225	0.0190	mg/kg dry	12/16/24 14:15	12/30/24	1	8260B	BAL1459
2-Hexanone	ND	0.000613	0.0207	mg/kg dry	12/16/24 14:15	12/26/24	1	8260B	BAL1337
2-Hexanone	ND	0.000702	0.0237	mg/kg dry	12/16/24 14:15	12/30/24	1	8260B	BAL1459
4-Methyl-2-pentanone	ND	0.000621	0.0207	mg/kg dry	12/16/24 14:15	12/26/24	1	8260B	BAL1337
4-Methyl-2-pentanone	ND	0.000711	0.0237	mg/kg dry	12/16/24 14:15	12/30/24	1	8260B	BAL1459
Acetone	ND	0.00440	0.0207	mg/kg dry	12/16/24 14:15	12/26/24	1	8260B	BAL1337
Acetone	0.00632 J	0.00503	0.0237	mg/kg dry	12/16/24 14:15	12/30/24	1	8260B	BAL1459
Benzene	ND	0.000257	0.000828	mg/kg dry	12/16/24 14:15	12/26/24	1	8260B	BAL1337
Benzene	ND	0.000294	0.000948	mg/kg dry	12/16/24 14:15	12/30/24	1	8260B	BAL1459
Bromoform	ND	0.00136	0.00414	mg/kg dry	12/16/24 14:15	12/26/24	1	8260B	BAL1337
Bromoform	ND	0.00155	0.00474	mg/kg dry	12/16/24 14:15	12/30/24	1	8260B	BAL1459
Bromomethane	ND	0.000381	0.000828	mg/kg dry	12/16/24 14:15	12/26/24	1	8260B	BAL1337
Bromomethane	ND	0.000436	0.000948	mg/kg dry	12/16/24 14:15	12/30/24	1	8260B	BAL1459
Carbon disulfide	ND	0.00124	0.00414	mg/kg dry	12/16/24 14:15	12/26/24	1	8260B	BAL1337
Carbon disulfide	ND	0.00142	0.00474	mg/kg dry	12/16/24 14:15	12/30/24	1	8260B	BAL1459
Carbon tetrachloride	ND	0.000323	0.000828	mg/kg dry	12/16/24 14:15	12/26/24	1	8260B	BAL1337
Carbon tetrachloride	ND	0.000370	0.000948	mg/kg dry	12/16/24 14:15	12/30/24	1	8260B	BAL1459
Chlorobenzene	ND	0.000240	0.000828	mg/kg dry	12/16/24 14:15	12/26/24	1	8260B	BAL1337
Chlorobenzene	ND	0.000275	0.000948	mg/kg dry	12/16/24 14:15	12/30/24	1	8260B	BAL1459
Chloroethane	ND	0.00228	0.00414	mg/kg dry	12/16/24 14:15	12/26/24	1	8260B	BAL1337
Chloroethane	ND	0.00261	0.00474	mg/kg dry	12/16/24 14:15	12/30/24	1	8260B	BAL1459
Chloroform	ND	0.000373	0.000828	mg/kg dry	12/16/24 14:15	12/26/24	1	8260B	BAL1337
Chloroform	ND	0.000427	0.000948	mg/kg dry	12/16/24 14:15	12/30/24	1	8260B	BAL1459
Chloromethane	ND	0.00319	0.00414	mg/kg dry	12/16/24 14:15	12/26/24	1	8260B	BAL1337
Chloromethane	ND	0.00365	0.00474	mg/kg dry	12/16/24 14:15	12/30/24	1	8260B	BAL1459
cis-1,2-Dichloroethene	ND	0.000315	0.000828	mg/kg dry	12/16/24 14:15	12/26/24	1	8260B	BAL1337
cis-1,2-Dichloroethene	ND	0.000360	0.000948	mg/kg dry	12/16/24 14:15	12/30/24	1	8260B	BAL1459
cis-1,3-dichloropropene	ND	0.000207	0.000828	mg/kg dry	12/16/24 14:15	12/26/24	1	8260B	BAL1337
cis-1,3-dichloropropene	ND	0.000237	0.000948	mg/kg dry	12/16/24 14:15	12/30/24	1	8260B	BAL1459
Dibromochloromethane	ND	0.000356	0.000828	mg/kg dry	12/16/24 14:15	12/26/24	1	8260B	BAL1337
Dibromochloromethane	ND	0.000408	0.000948	mg/kg dry	12/16/24 14:15	12/30/24	1	8260B	BAL1459
Ethylbenzene	ND	0.000323	0.000828	mg/kg dry	12/16/24 14:15	12/26/24	1	8260B	BAL1337
Ethylbenzene	ND	0.000370	0.000948	mg/kg dry	12/16/24 14:15	12/30/24	1	8260B	BAL1459

The contents of this report apply to the sample(s) analyzed in accordance with the chain of custody document.
No duplication of this report is allowed, except in its entirety.

Metiri Group - Geneva - 1950 S Batavia Ave, Suite 150, Geneva, IL 60134

INTERRA, Inc.	Project: INTERRA - Soil	
600 Territorial Drive, Suite G	Project Number: 9826 - Evanston Geotech and Environmental 2024	
Bolingbrook, IL 60440	Project Manager: INTERRA, Inc.	Reported: 01/07/2025 17:07

Sample Results
(Continued)

Sample: Hartrey-SGB-03 (Continued)
AAL1048-03 (Solid)

Analyte	Result /Qual	DL	RL	Units	Date Sampled	Date Analyzed	DF	Method	Prep Batch
Volatile Organics - Prep EPA 5035 (Continued)									
m,p-Xylene	ND	0.000497	0.00166	mg/kg dry	12/16/24 14:15	12/26/24	1	8260B	BAL1337
m,p-Xylene	ND	0.000569	0.00190	mg/kg dry	12/16/24 14:15	12/30/24	1	8260B	BAL1459
Methyl tert-butyl ether	ND	0.000290	0.000828	mg/kg dry	12/16/24 14:15	12/26/24	1	8260B	BAL1337
Methyl tert-butyl ether	ND	0.000332	0.000948	mg/kg dry	12/16/24 14:15	12/30/24	1	8260B	BAL1459
Methylene chloride	ND	0.00214	0.00414	mg/kg dry	12/16/24 14:15	12/26/24	1	8260B	BAL1337
Methylene chloride	ND	0.00245	0.00474	mg/kg dry	12/16/24 14:15	12/30/24	1	8260B	BAL1459
o-Xylene	ND	0.000224	0.00166	mg/kg dry	12/16/24 14:15	12/26/24	1	8260B	BAL1337
o-Xylene	ND	0.000256	0.00190	mg/kg dry	12/16/24 14:15	12/30/24	1	8260B	BAL1459
Styrene	ND	0.000240	0.000828	mg/kg dry	12/16/24 14:15	12/26/24	1	8260B	BAL1337
Styrene	ND	0.000275	0.000948	mg/kg dry	12/16/24 14:15	12/30/24	1	8260B	BAL1459
Tetrachloroethene	ND	0.000497	0.00166	mg/kg dry	12/16/24 14:15	12/26/24	1	8260B	BAL1337
Tetrachloroethene	ND	0.000569	0.00190	mg/kg dry	12/16/24 14:15	12/30/24	1	8260B	BAL1459
Toluene	ND	0.000389	0.000828	mg/kg dry	12/16/24 14:15	12/26/24	1	8260B	BAL1337
Toluene	ND	0.000446	0.000948	mg/kg dry	12/16/24 14:15	12/30/24	1	8260B	BAL1459
trans-1,2-Dichloroethene	ND	0.000306	0.000828	mg/kg dry	12/16/24 14:15	12/26/24	1	8260B	BAL1337
trans-1,2-Dichloroethene	ND	0.000351	0.000948	mg/kg dry	12/16/24 14:15	12/30/24	1	8260B	BAL1459
trans-1,3-dichloropropene	ND	0.000215	0.000828	mg/kg dry	12/16/24 14:15	12/26/24	1	8260B	BAL1337
trans-1,3-dichloropropene	ND	0.000247	0.000948	mg/kg dry	12/16/24 14:15	12/30/24	1	8260B	BAL1459
Trichloroethene	0.00258	0.000298	0.000828	mg/kg dry	12/16/24 14:15	12/26/24	1	8260B	BAL1337
Trichloroethene	0.00123	0.000341	0.000948	mg/kg dry	12/16/24 14:15	12/30/24	1	8260B	BAL1459
Vinyl chloride	ND	0.000853	0.00414	mg/kg dry	12/16/24 14:15	12/26/24	1	8260B	BAL1337
Vinyl chloride	ND	0.000977	0.00474	mg/kg dry	12/16/24 14:15	12/30/24	1	8260B	BAL1459
Surrogate: 4-Bromofluorobenzene		*79%*	*76-119*			*12/26/24*	*1*	*8260B*	
Surrogate: 4-Bromofluorobenzene		*105%*	*76-119*			*12/30/24*	*1*	*8260B*	
Surrogate: Dibromofluoromethane		*118%*	*66-137*			*12/26/24*	*1*	*8260B*	
Surrogate: Dibromofluoromethane		*98%*	*66-137*			*12/30/24*	*1*	*8260B*	
Surrogate: Toluene-d8		*83%*	*80-120*			*12/26/24*	*1*	*8260B*	
Surrogate: Toluene-d8		*101%*	*80-120*			*12/30/24*	*1*	*8260B*	

Analyte	Result /Qual	DL	RL	Units	Date Sampled	Date Analyzed	DF	Method	Prep Batch
Volatile Organics									
Total 1,3-Dichloropropene	ND	0.000207	0.000828	mg/kg Dry dry	12/16/24 14:15	12/30/24	1	8260B	[CALC]
Total Xylenes	ND	0.000224	0.00166	mg/kg Dry dry	12/16/24 14:15	12/30/24	1	8260B	[CALC]

Analyte	Result /Qual	DL	RL	Units	Date Sampled	Date Analyzed	DF	Method	Prep Batch
Metals - ICP									
Arsenic	3.09 J	0.330	5.00	mg/kg Dry	12/16/24 14:15	12/20/24	1	6010B	BAL1165
Barium	45.8	0.530	2.50	mg/kg Dry	12/16/24 14:15	12/20/24	1	6010B	BAL1165
Cadmium	0.0841 J	0.0300	0.250	mg/kg Dry	12/16/24 14:15	12/20/24	1	6010B	BAL1165
Chromium	13.0	0.0870	0.250	mg/kg Dry	12/16/24 14:15	12/20/24	1	6010B	BAL1165
Lead	16.6	0.210	1.25	mg/kg Dry	12/16/24 14:15	12/20/24	1	6010B	BAL1165

The contents of this report apply to the sample(s) analyzed in accordance with the chain of custody document.
No duplication of this report is allowed, except in its entirety.

Metiri Group - Geneva - 1950 S Batavia Ave, Suite 150, Geneva, IL 60134

INTERRA, Inc.	Project: INTERRA - Soil	
600 Territorial Drive, Suite G	Project Number: 9826 - Evanston Geotech and Environmental 2024	
Bolingbrook, IL 60440	Project Manager: INTERRA, Inc.	Reported: 01/07/2025 17:07

Sample Results
(Continued)

Sample: Hartrey-SGB-03 (Continued)
AAL1048-03 (Solid)

Analyte	Result /Qual	DL	RL	Units	Date Sampled	Date Analyzed	DF	Method	Prep Batch
Metals - ICP (Continued)									
Selenium	ND	0.360	5.00	mg/kg Dry	12/16/24 14:15	12/20/24	1	6010B	BAL1165
Silver	ND	0.260	0.500	mg/kg Dry	12/16/24 14:15	12/20/24	1	6010B	BAL1165

The contents of this report apply to the sample(s) analyzed in accordance with the chain of custody document.
No duplication of this report is allowed, except in its entirety.

Metiri Group - Geneva - 1950 S Batavia Ave, Suite 150, Geneva, IL 60134

INTERRA, Inc.	Project: INTERRA - Soil	
600 Territorial Drive, Suite G	Project Number: 9826 - Evanston Geotech and Environmental 2024	
Bolingbrook, IL 60440	Project Manager: INTERRA, Inc.	Reported: 01/07/2025 17:07

Sample Results

(Continued)

Sample: Hartrey-SGB-04

AAL1048-04 (Solid)

Analyte	Result /Qual	DL	RL	Units	Date Sampled	Date Analyzed	DF	Method	Prep Batch
SVOC									
1,2,4-Trichlorobenzene	ND	0.031	0.078	mg/kg dry	12/16/24 16:00	12/26/24	1	8270C	BAL0977
1,2-Dichlorobenzene	ND	0.016	0.078	mg/kg dry	12/16/24 16:00	12/26/24	1	8270C	BAL0977
1,3-Dichlorobenzene	ND	0.018	0.078	mg/kg dry	12/16/24 16:00	12/26/24	1	8270C	BAL0977
1,4-Dichlorobenzene	ND	0.013	0.078	mg/kg dry	12/16/24 16:00	12/26/24	1	8270C	BAL0977
2,4,5-Trichlorophenol	ND	0.123	0.391	mg/kg dry	12/16/24 16:00	12/26/24	1	8270C	BAL0977
2,4,6-Trichlorophenol	ND	0.126	0.391	mg/kg dry	12/16/24 16:00	12/26/24	1	8270C	BAL0977
2,4-Dichlorophenol	ND	0.117	0.391	mg/kg dry	12/16/24 16:00	12/26/24	1	8270C	BAL0977
2,4-Dimethylphenol	ND	0.189	0.391	mg/kg dry	12/16/24 16:00	12/26/24	1	8270C	BAL0977
2,4-Dinitrophenol	ND	0.248	0.391	mg/kg dry	12/16/24 16:00	12/26/24	1	8270C	BAL0977
2,4-Dinitrotoluene	ND	0.021	0.078	mg/kg dry	12/16/24 16:00	12/26/24	1	8270C	BAL0977
2,6-Dinitrotoluene	ND	0.018	0.078	mg/kg dry	12/16/24 16:00	12/26/24	1	8270C	BAL0977
2-Chloronaphthalene	ND	0.020	0.078	mg/kg dry	12/16/24 16:00	12/26/24	1	8270C	BAL0977
2-Chlorophenol	ND	0.112	0.391	mg/kg dry	12/16/24 16:00	12/26/24	1	8270C	BAL0977
2-Methylnaphthalene	ND	0.021	0.078	mg/kg dry	12/16/24 16:00	12/26/24	1	8270C	BAL0977
2-Nitroaniline	ND	0.130	0.391	mg/kg dry	12/16/24 16:00	12/26/24	1	8270C	BAL0977
2-Nitrophenol	ND	0.133	0.391	mg/kg dry	12/16/24 16:00	12/26/24	1	8270C	BAL0977
3,3-Dichlorobenzidine	ND	0.116	0.391	mg/kg dry	12/16/24 16:00	12/26/24	1	8270C	BAL0977
3-Nitroaniline	ND	0.060	0.391	mg/kg dry	12/16/24 16:00	12/26/24	1	8270C	BAL0977
4,6-Dinitro-2-methylphenol	ND	0.116	0.391	mg/kg dry	12/16/24 16:00	12/26/24	1	8270C	BAL0977
4-Bromophenyl phenyl ether	ND	0.021	0.078	mg/kg dry	12/16/24 16:00	12/26/24	1	8270C	BAL0977
4-Chloro-3-methylphenol	ND	0.121	0.391	mg/kg dry	12/16/24 16:00	12/26/24	1	8270C	BAL0977
4-Chloroaniline	ND	0.093	0.391	mg/kg dry	12/16/24 16:00	12/26/24	1	8270C	BAL0977
4-Chlorophenyl phenyl ether	ND	0.015	0.078	mg/kg dry	12/16/24 16:00	12/26/24	1	8270C	BAL0977
4-Nitroaniline	ND	0.076	0.391	mg/kg dry	12/16/24 16:00	12/26/24	1	8270C	BAL0977
4-Nitrophenol	ND	0.107	0.391	mg/kg dry	12/16/24 16:00	12/26/24	1	8270C	BAL0977
Acenaphthene	ND	0.019	0.078	mg/kg dry	12/16/24 16:00	12/26/24	1	8270C	BAL0977
Acenaphthylene	ND	0.016	0.078	mg/kg dry	12/16/24 16:00	12/26/24	1	8270C	BAL0977
Aniline	ND	0.080	0.391	mg/kg dry	12/16/24 16:00	12/26/24	1	8270C	BAL0977
Anthracene	ND	0.014	0.078	mg/kg dry	12/16/24 16:00	12/26/24	1	8270C	BAL0977
Azobenzene	ND	0.012	0.078	mg/kg dry	12/16/24 16:00	12/26/24	1	8270C	BAL0977
Benzidine	ND	0.082	0.978	mg/kg dry	12/16/24 16:00	12/26/24	1	8270C	BAL0977
Benzo(a)anthracene	ND	0.012	0.078	mg/kg dry	12/16/24 16:00	12/26/24	1	8270C	BAL0977
Benzo(a)pyrene	ND	0.015	0.078	mg/kg dry	12/16/24 16:00	12/26/24	1	8270C	BAL0977
Benzo(b)fluoranthene	ND	0.015	0.078	mg/kg dry	12/16/24 16:00	12/26/24	1	8270C	BAL0977
Benzo(g,h,i)perylene	ND	0.019	0.078	mg/kg dry	12/16/24 16:00	12/26/24	1	8270C	BAL0977
Benzo(k)fluoranthene	ND	0.013	0.078	mg/kg dry	12/16/24 16:00	12/26/24	1	8270C	BAL0977
Benzoic acid	ND	0.134	0.391	mg/kg dry	12/16/24 16:00	12/26/24	1	8270C	BAL0977
Benzyl alcohol	ND	0.144	0.391	mg/kg dry	12/16/24 16:00	12/26/24	1	8270C	BAL0977
Bis(2-chloroethoxy)methane	ND	0.022	0.078	mg/kg dry	12/16/24 16:00	12/26/24	1	8270C	BAL0977
bis(2-Chloroethyl)ether	ND	0.034	0.078	mg/kg dry	12/16/24 16:00	12/26/24	1	8270C	BAL0977
Bis(2-chloroisopropyl)ether	ND	0.028	0.078	mg/kg dry	12/16/24 16:00	12/26/24	1	8270C	BAL0977
Bis(2-ethylhexyl)phthalate	ND	0.139	0.391	mg/kg dry	12/16/24 16:00	12/26/24	1	8270C	BAL0977
Butyl benzyl phthalate	ND	0.137	0.391	mg/kg dry	12/16/24 16:00	12/26/24	1	8270C	BAL0977
Carbazole	ND	0.015	0.078	mg/kg dry	12/16/24 16:00	12/26/24	1	8270C	BAL0977
Chrysene	ND	0.015	0.078	mg/kg dry	12/16/24 16:00	12/26/24	1	8270C	BAL0977

The contents of this report apply to the sample(s) analyzed in accordance with the chain of custody document.
No duplication of this report is allowed, except in its entirety.

Metiri Group - Geneva - 1950 S Batavia Ave, Suite 150, Geneva, IL 60134

INTERRA, Inc.	Project: INTERRA - Soil	
600 Territorial Drive, Suite G	Project Number: 9826 - Evanston Geotech and Environmental 2024	
Bolingbrook, IL 60440	Project Manager: INTERRA, Inc.	Reported: 01/07/2025 17:07

Sample Results
(Continued)

Sample: Hartrey-SGB-04 (Continued)
AAL1048-04 (Solid)

Analyte	Result	/Qual	DL	RL	Units	Date Sampled	Date Analyzed	DF	Method	Prep Batch
SVOC (Continued)										
Dibenzo(a,h)anthracene	ND		0.020	0.078	mg/kg dry	12/16/24 16:00	12/26/24	1	8270C	BAL0977
Dibenzofuran	ND		0.018	0.078	mg/kg dry	12/16/24 16:00	12/26/24	1	8270C	BAL0977
Diethyl phthalate	ND		0.115	0.391	mg/kg dry	12/16/24 16:00	12/26/24	1	8270C	BAL0977
Dimethyl phthalate	ND		0.128	0.391	mg/kg dry	12/16/24 16:00	12/26/24	1	8270C	BAL0977
Di-n-butyl phthalate	ND		0.107	0.391	mg/kg dry	12/16/24 16:00	12/26/24	1	8270C	BAL0977
Di-n-octyl phthalate	ND		0.154	0.391	mg/kg dry	12/16/24 16:00	12/26/24	1	8270C	BAL0977
Fluoranthene	ND		0.013	0.078	mg/kg dry	12/16/24 16:00	12/26/24	1	8270C	BAL0977
Fluorene	ND		0.018	0.078	mg/kg dry	12/16/24 16:00	12/26/24	1	8270C	BAL0977
Hexachlorobenzene	ND		0.126	0.391	mg/kg dry	12/16/24 16:00	12/26/24	1	8270C	BAL0977
Hexachlorobutadiene	ND		0.121	0.391	mg/kg dry	12/16/24 16:00	12/26/24	1	8270C	BAL0977
Hexachlorocyclopentadiene	ND		0.102	0.391	mg/kg dry	12/16/24 16:00	12/26/24	1	8270C	BAL0977
Hexachloroethane	ND		0.114	0.391	mg/kg dry	12/16/24 16:00	12/26/24	1	8270C	BAL0977
Indeno(1,2,3-cd)pyrene	ND		0.002	0.078	mg/kg dry	12/16/24 16:00	12/26/24	1	8270C	BAL0977
Isophorone	ND		0.002	0.078	mg/kg dry	12/16/24 16:00	12/26/24	1	8270C	BAL0977
m,p-Cresol	ND		0.028	0.078	mg/kg dry	12/16/24 16:00	12/26/24	1	8270C	BAL0977
Naphthalene	ND		0.018	0.078	mg/kg dry	12/16/24 16:00	12/26/24	1	8270C	BAL0977
n-Decane	ND		0.128	0.261	mg/kg dry	12/16/24 16:00	12/26/24	1	8270C	BAL0977
Nitrobenzene	ND		0.014	0.078	mg/kg dry	12/16/24 16:00	12/26/24	1	8270C	BAL0977
N-nitrosodimethylamine	ND		0.021	0.078	mg/kg dry	12/16/24 16:00	12/26/24	1	8270C	BAL0977
N-Nitroso-di-n-propylamine	ND		0.019	0.078	mg/kg dry	12/16/24 16:00	12/26/24	1	8270C	BAL0977
N-Nitrosodiphenylamine	ND		0.032	0.078	mg/kg dry	12/16/24 16:00	12/26/24	1	8270C	BAL0977
n-Octadecane	ND		0.130	0.391	mg/kg dry	12/16/24 16:00	12/26/24	1	8270C	BAL0977
O-Cresol	ND		0.027	0.078	mg/kg dry	12/16/24 16:00	12/26/24	1	8270C	BAL0977
Pentachlorophenol	ND		0.206	0.391	mg/kg dry	12/16/24 16:00	12/26/24	1	8270C	BAL0977
Phenanthrene	ND		0.015	0.078	mg/kg dry	12/16/24 16:00	12/26/24	1	8270C	BAL0977
Phenol	ND		0.119	0.391	mg/kg dry	12/16/24 16:00	12/26/24	1	8270C	BAL0977
Pyrene	ND		0.016	0.078	mg/kg dry	12/16/24 16:00	12/26/24	1	8270C	BAL0977
Pyridine	ND		0.081	0.391	mg/kg dry	12/16/24 16:00	12/26/24	1	8270C	BAL0977
Surrogate: 2,4,6-Tribromophenol		*59%*		*38-105*			*12/26/24*	*1*	*8270C*	
Surrogate: 2-Fluorobiphenyl		*61%*		*40-110*			*12/26/24*	*1*	*8270C*	
Surrogate: 2-Fluorophenol		*49%*		*41-105*			*12/26/24*	*1*	*8270C*	
Surrogate: 4-Terphenyl-d14		*62%*		*26-133*			*12/26/24*	*1*	*8270C*	
Surrogate: Nitrobenzene-d5		*52%*		*27-129*			*12/26/24*	*1*	*8270C*	
Surrogate: Phenol-d5		*44%*		*43-105*			*12/26/24*	*1*	*8270C*	

Analyte	Result	/Qual	DL	RL	Units	Date Sampled	Date Analyzed	DF	Method	Prep Batch
Semivolatile Organics - Prep EPA 3546										
4,4'-DDD	0.0119		0.000450	0.00158	mg/kg dry	12/16/24 16:00	12/19/24	1	8081	BAL0958
4,4'-DDE	0.00472		0.000474	0.00158	mg/kg dry	12/16/24 16:00	12/19/24	1	8081	BAL0958
4,4'-DDT	ND		0.00124	0.00158	mg/kg dry	12/16/24 16:00	12/19/24	1	8081	BAL0958
Aldrin [2]	ND		0.000225	0.000790	mg/kg dry	12/16/24 16:00	12/19/24	1	8081	BAL0958
alpha-BHC	ND		0.000391	0.000790	mg/kg dry	12/16/24 16:00	12/19/24	1	8081	BAL0958
alpha-Chlordane	ND		0.000213	0.000790	mg/kg dry	12/16/24 16:00	12/19/24	1	8081	BAL0958
beta-BHC	ND		0.000379	0.000790	mg/kg dry	12/16/24 16:00	12/19/24	1	8081	BAL0958

The contents of this report apply to the sample(s) analyzed in accordance with the chain of custody document.
No duplication of this report is allowed, except in its entirety.

Metiri Group - Geneva - 1950 S Batavia Ave, Suite 150, Geneva, IL 60134

INTERRA, Inc.	Project: INTERRA - Soil	
600 Territorial Drive, Suite G	Project Number: 9826 - Evanston Geotech and Environmental 2024	
Bolingbrook, IL 60440	Project Manager: INTERRA, Inc.	Reported: 01/07/2025 17:07

Sample Results
(Continued)

Sample: Hartrey-SGB-04 (Continued)
AAL1048-04 (Solid)

Semivolatile Organics - Prep EPA 3546 (Continued)

Analyte	Result	/Qual	DL	RL	Units	Date Sampled	Date Analyzed	DF	Method	Prep Batch
delta-BHC	ND		0.000225	0.000790	mg/kg dry	12/16/24 16:00	12/19/24	1	8081	BAL0958
Dieldrin	ND		0.000486	0.00158	mg/kg dry	12/16/24 16:00	12/19/24	1	8081	BAL0958
Endosulfan I	ND		0.000190	0.000790	mg/kg dry	12/16/24 16:00	12/19/24	1	8081	BAL0958
Endosulfan II	ND		0.000403	0.00158	mg/kg dry	12/16/24 16:00	12/19/24	1	8081	BAL0958
Endosulfan sulfate	ND		0.000415	0.00158	mg/kg dry	12/16/24 16:00	12/19/24	1	8081	BAL0958
Endrin	ND		0.000509	0.00158	mg/kg dry	12/16/24 16:00	12/19/24	1	8081	BAL0958
Endrin aldehyde	ND		0.000462	0.00158	mg/kg dry	12/16/24 16:00	12/19/24	1	8081	BAL0958
Endrin ketone	ND		0.000545	0.00158	mg/kg dry	12/16/24 16:00	12/19/24	1	8081	BAL0958
GAMMA-BHC	ND		0.000249	0.000790	mg/kg dry	12/16/24 16:00	12/19/24	1	8081	BAL0958
gamma-Chlordane	ND		0.000284	0.000790	mg/kg dry	12/16/24 16:00	12/19/24	1	8081	BAL0958
Heptachlor	ND		0.000367	0.000790	mg/kg dry	12/16/24 16:00	12/19/24	1	8081	BAL0958
Heptachlor epoxide	ND		0.000190	0.000790	mg/kg dry	12/16/24 16:00	12/19/24	1	8081	BAL0958
Methoxychlor	ND		0.00734	0.00790	mg/kg dry	12/16/24 16:00	12/19/24	1	8081	BAL0958
Toxaphene	ND		0.0471	0.0987	mg/kg dry	12/16/24 16:00	12/19/24	1	8081	BAL0958
Surrogate: Decachlorobiphenyl (DCB)		*53%*		*29-133*			*12/19/24*	*1*	*8081*	
Surrogate: TETRACHLORO-M-XYLENE		*54%*		*36-118*			*12/19/24*	*1*	*8081*	
Aroclor 1016	ND		0.004	0.020	mg/kg dry	12/16/24 16:00	12/31/24	1	8082	BAL1312
Aroclor 1221	ND		0.004	0.020	mg/kg dry	12/16/24 16:00	12/31/24	1	8082	BAL1312
Aroclor 1232	ND		0.004	0.020	mg/kg dry	12/16/24 16:00	12/31/24	1	8082	BAL1312
Aroclor 1242	ND		0.004	0.020	mg/kg dry	12/16/24 16:00	12/31/24	1	8082	BAL1312
Aroclor 1248	ND		0.004	0.020	mg/kg dry	12/16/24 16:00	12/31/24	1	8082	BAL1312
Aroclor 1254	ND		0.005	0.020	mg/kg dry	12/16/24 16:00	12/31/24	1	8082	BAL1312
Aroclor 1260	ND		0.008	0.020	mg/kg dry	12/16/24 16:00	12/31/24	1	8082	BAL1312
Surrogate: Decachlorobiphenyl		*48%*		*20-142*			*12/31/24*	*1*	*8082*	
Surrogate: Tetrachloro-m-xylene		*70%*		*22-123*			*12/31/24*	*1*	*8082*	

Metals - CVAA

Analyte	Result	/Qual	DL	RL	Units	Date Sampled	Date Analyzed	DF	Method	Prep Batch
Mercury	0.0444	J	0.0410	0.0895	mg/kg dry	12/16/24 16:00	01/06/25	1	7471B	BBA0134

Wet Chemistry

Analyte	Result	/Qual	DL	RL	Units	Date Sampled	Date Analyzed	DF	Method	Prep Batch
pH	8.39		0.100	0.100	pH Units	12/16/24 16:00	12/20/24	1	SW 9045D	BAL1133
Temperature	20.5		1.00	1.00	pH Units	12/16/24 16:00	12/20/24	1	SW 9045D	BAL1133
Percent Moisture	16		1.0	1.0	%	12/16/24 16:00	12/18/24	1	ASTM-D2216	BAL0954

Volatile Organics - Prep EPA 5035

Analyte	Result	/Qual	DL	RL	Units	Date Sampled	Date Analyzed	DF	Method	Prep Batch
1,1,1-Trichloroethane	ND		0.000353	0.000883	mg/kg dry	12/16/24 16:00	12/27/24	1	8260B	BAL1337
1,1,1-Trichloroethane	ND		0.000450	0.00112	mg/kg dry	12/16/24 16:00	12/30/24	1	8260B	BAL1459
1,1,2,2-Tetrachloroethane	ND		0.000459	0.000883	mg/kg dry	12/16/24 16:00	12/27/24	1	8260B	BAL1337

The contents of this report apply to the sample(s) analyzed in accordance with the chain of custody document.
No duplication of this report is allowed, except in its entirety.

Metiri Group - Geneva - 1950 S Batavia Ave, Suite 150, Geneva, IL 60134

INTERRA, Inc.	Project: INTERRA - Soil	
600 Territorial Drive, Suite G	Project Number: 9826 - Evanston Geotech and Environmental 2024	
Bolingbrook, IL 60440	Project Manager: INTERRA, Inc.	Reported: 01/07/2025 17:07

Sample Results
(Continued)

Sample: Hartrey-SGB-04 (Continued)
AAL1048-04 (Solid)

Analyte	Result /Qual	DL	RL	Units	Date Sampled	Date Analyzed	DF	Method	Prep Batch
Volatile Organics - Prep EPA 5035 (Continued)									
1,1,2,2-Tetrachloroethane	ND	0.000584	0.00112	mg/kg dry	12/16/24 16:00	12/30/24	1	8260B	BAL1459
1,1,2-Trichloroethane	ND	0.000442	0.000883	mg/kg dry	12/16/24 16:00	12/27/24	1	8260B	BAL1337
1,1,2-Trichloroethane	ND	0.000562	0.00112	mg/kg dry	12/16/24 16:00	12/30/24	1	8260B	BAL1459
1,1-Dichloroethane	ND	0.000397	0.000883	mg/kg dry	12/16/24 16:00	12/27/24	1	8260B	BAL1337
1,1-Dichloroethane	ND	0.000506	0.00112	mg/kg dry	12/16/24 16:00	12/30/24	1	8260B	BAL1459
1,1-Dichloroethene	ND	0.000424	0.000883	mg/kg dry	12/16/24 16:00	12/27/24	1	8260B	BAL1337
1,1-Dichloroethene	ND	0.000539	0.00112	mg/kg dry	12/16/24 16:00	12/30/24	1	8260B	BAL1459
1,2-Dichloroethane	ND	0.000291	0.000883	mg/kg dry	12/16/24 16:00	12/27/24	1	8260B	BAL1337
1,2-Dichloroethane	ND	0.000371	0.00112	mg/kg dry	12/16/24 16:00	12/30/24	1	8260B	BAL1459
1,2-Dichloropropane	ND	0.00145	0.00442	mg/kg dry	12/16/24 16:00	12/27/24	1	8260B	BAL1337
1,2-Dichloropropane	ND	0.00184	0.00562	mg/kg dry	12/16/24 16:00	12/30/24	1	8260B	BAL1459
2-Butanone	ND	0.00209	0.0177	mg/kg dry	12/16/24 16:00	12/27/24	1	8260B	BAL1337
2-Butanone	0.00414 J	0.00266	0.0225	mg/kg dry	12/16/24 16:00	12/30/24	1	8260B	BAL1459
2-Hexanone	ND	0.000654	0.0221	mg/kg dry	12/16/24 16:00	12/27/24	1	8260B	BAL1337
2-Hexanone	ND	0.000832	0.0281	mg/kg dry	12/16/24 16:00	12/30/24	1	8260B	BAL1459
4-Methyl-2-pentanone	ND	0.000662	0.0221	mg/kg dry	12/16/24 16:00	12/27/24	1	8260B	BAL1337
4-Methyl-2-pentanone	ND	0.000843	0.0281	mg/kg dry	12/16/24 16:00	12/30/24	1	8260B	BAL1459
Acetone	0.00601 B, J	0.00469	0.0221	mg/kg dry	12/16/24 16:00	12/27/24	1	8260B	BAL1337
Acetone	ND	0.00597	0.0281	mg/kg dry	12/16/24 16:00	12/30/24	1	8260B	BAL1459
Benzene	ND	0.000274	0.000883	mg/kg dry	12/16/24 16:00	12/27/24	1	8260B	BAL1337
Benzene	ND	0.000348	0.00112	mg/kg dry	12/16/24 16:00	12/30/24	1	8260B	BAL1459
Bromoform	ND	0.00145	0.00442	mg/kg dry	12/16/24 16:00	12/27/24	1	8260B	BAL1337
Bromoform	ND	0.00184	0.00562	mg/kg dry	12/16/24 16:00	12/30/24	1	8260B	BAL1459
Bromomethane	ND	0.000406	0.000883	mg/kg dry	12/16/24 16:00	12/27/24	1	8260B	BAL1337
Bromomethane	ND	0.000517	0.00112	mg/kg dry	12/16/24 16:00	12/30/24	1	8260B	BAL1459
Carbon disulfide	ND	0.00132	0.00442	mg/kg dry	12/16/24 16:00	12/27/24	1	8260B	BAL1337
Carbon disulfide	ND	0.00169	0.00562	mg/kg dry	12/16/24 16:00	12/30/24	1	8260B	BAL1459
Carbon tetrachloride	ND	0.000344	0.000883	mg/kg dry	12/16/24 16:00	12/27/24	1	8260B	BAL1337
Carbon tetrachloride	ND	0.000438	0.00112	mg/kg dry	12/16/24 16:00	12/30/24	1	8260B	BAL1459
Chlorobenzene	ND	0.000256	0.000883	mg/kg dry	12/16/24 16:00	12/27/24	1	8260B	BAL1337
Chlorobenzene	ND	0.000326	0.00112	mg/kg dry	12/16/24 16:00	12/30/24	1	8260B	BAL1459
Chloroethane	ND	0.00243	0.00442	mg/kg dry	12/16/24 16:00	12/27/24	1	8260B	BAL1337
Chloroethane	ND	0.00309	0.00562	mg/kg dry	12/16/24 16:00	12/30/24	1	8260B	BAL1459
Chloroform	ND	0.000397	0.000883	mg/kg dry	12/16/24 16:00	12/27/24	1	8260B	BAL1337
Chloroform	ND	0.000506	0.00112	mg/kg dry	12/16/24 16:00	12/30/24	1	8260B	BAL1459
Chloromethane	ND	0.00340	0.00442	mg/kg dry	12/16/24 16:00	12/27/24	1	8260B	BAL1337
Chloromethane	ND	0.00433	0.00562	mg/kg dry	12/16/24 16:00	12/30/24	1	8260B	BAL1459
cis-1,2-Dichloroethene	ND	0.000336	0.000883	mg/kg dry	12/16/24 16:00	12/27/24	1	8260B	BAL1337
cis-1,2-Dichloroethene	ND	0.000427	0.00112	mg/kg dry	12/16/24 16:00	12/30/24	1	8260B	BAL1459
cis-1,3-dichloropropene	ND	0.000221	0.000883	mg/kg dry	12/16/24 16:00	12/27/24	1	8260B	BAL1337
cis-1,3-dichloropropene	ND	0.000281	0.00112	mg/kg dry	12/16/24 16:00	12/30/24	1	8260B	BAL1459
Dibromochloromethane	ND	0.000380	0.000883	mg/kg dry	12/16/24 16:00	12/27/24	1	8260B	BAL1337
Dibromochloromethane	ND	0.000483	0.00112	mg/kg dry	12/16/24 16:00	12/30/24	1	8260B	BAL1459
Ethylbenzene	ND	0.000344	0.000883	mg/kg dry	12/16/24 16:00	12/27/24	1	8260B	BAL1337
Ethylbenzene	ND	0.000438	0.00112	mg/kg dry	12/16/24 16:00	12/30/24	1	8260B	BAL1459

The contents of this report apply to the sample(s) analyzed in accordance with the chain of custody document.
No duplication of this report is allowed, except in its entirety.

Metiri Group - Geneva - 1950 S Batavia Ave, Suite 150, Geneva, IL 60134

INTERRA, Inc.	Project: INTERRA - Soil	
600 Territorial Drive, Suite G	Project Number: 9826 - Evanston Geotech and Environmental 2024	
Bolingbrook, IL 60440	Project Manager: INTERRA, Inc.	Reported: 01/07/2025 17:07

Sample Results
(Continued)

Sample: Hartrey-SGB-04 (Continued)
AAL1048-04 (Solid)

Analyte	Result	/Qual	DL	RL	Units	Date Sampled	Date Analyzed	DF	Method	Prep Batch
Volatile Organics - Prep EPA 5035 (Continued)										
m,p-Xylene	ND		0.000530	0.00177	mg/kg dry	12/16/24 16:00	12/27/24	1	8260B	BAL1337
m,p-Xylene	ND		0.000674	0.00225	mg/kg dry	12/16/24 16:00	12/30/24	1	8260B	BAL1459
Methyl tert-butyl ether	ND		0.000309	0.000883	mg/kg dry	12/16/24 16:00	12/27/24	1	8260B	BAL1337
Methyl tert-butyl ether	ND		0.000393	0.00112	mg/kg dry	12/16/24 16:00	12/30/24	1	8260B	BAL1459
Methylene chloride	ND		0.00228	0.00442	mg/kg dry	12/16/24 16:00	12/27/24	1	8260B	BAL1337
Methylene chloride	ND		0.00290	0.00562	mg/kg dry	12/16/24 16:00	12/30/24	1	8260B	BAL1459
o-Xylene	ND		0.000238	0.00177	mg/kg dry	12/16/24 16:00	12/27/24	1	8260B	BAL1337
o-Xylene	ND		0.000303	0.00225	mg/kg dry	12/16/24 16:00	12/30/24	1	8260B	BAL1459
Styrene	ND		0.000256	0.000883	mg/kg dry	12/16/24 16:00	12/27/24	1	8260B	BAL1337
Styrene	ND		0.000326	0.00112	mg/kg dry	12/16/24 16:00	12/30/24	1	8260B	BAL1459
Tetrachloroethene	ND		0.000530	0.00177	mg/kg dry	12/16/24 16:00	12/27/24	1	8260B	BAL1337
Tetrachloroethene	ND		0.000674	0.00225	mg/kg dry	12/16/24 16:00	12/30/24	1	8260B	BAL1459
Toluene	ND		0.000415	0.000883	mg/kg dry	12/16/24 16:00	12/27/24	1	8260B	BAL1337
Toluene	ND		0.000528	0.00112	mg/kg dry	12/16/24 16:00	12/30/24	1	8260B	BAL1459
trans-1,2-Dichloroethene	ND		0.000327	0.000883	mg/kg dry	12/16/24 16:00	12/27/24	1	8260B	BAL1337
trans-1,2-Dichloroethene	ND		0.000416	0.00112	mg/kg dry	12/16/24 16:00	12/30/24	1	8260B	BAL1459
trans-1,3-dichloropropene	ND		0.000230	0.000883	mg/kg dry	12/16/24 16:00	12/27/24	1	8260B	BAL1337
trans-1,3-dichloropropene	ND		0.000292	0.00112	mg/kg dry	12/16/24 16:00	12/30/24	1	8260B	BAL1459
Trichloroethene	0.00138		0.000318	0.000883	mg/kg dry	12/16/24 16:00	12/27/24	1	8260B	BAL1337
Trichloroethene	ND		0.000405	0.00112	mg/kg dry	12/16/24 16:00	12/30/24	1	8260B	BAL1459
Vinyl chloride	ND		0.000910	0.00442	mg/kg dry	12/16/24 16:00	12/27/24	1	8260B	BAL1337
Vinyl chloride	ND		0.00116	0.00562	mg/kg dry	12/16/24 16:00	12/30/24	1	8260B	BAL1459
Surrogate: 4-Bromofluorobenzene	*114%*			*76-119*			*12/27/24*	*1*	*8260B*	
Surrogate: 4-Bromofluorobenzene	*102%*			*76-119*			*12/30/24*	*1*	*8260B*	
Surrogate: Dibromofluoromethane	*113%*			*66-137*			*12/27/24*	*1*	*8260B*	
Surrogate: Dibromofluoromethane	*98%*			*66-137*			*12/30/24*	*1*	*8260B*	
Surrogate: Toluene-d8	*207%*	S		*80-120*			*12/27/24*	*1*	*8260B*	
Surrogate: Toluene-d8	*102%*			*80-120*			*12/30/24*	*1*	*8260B*	

Analyte	Result	/Qual	DL	RL	Units	Date Sampled	Date Analyzed	DF	Method	Prep Batch
Volatile Organics										
Total 1,3-Dichloropropene	ND		0.000221	0.000883	mg/kg Dry dry	12/16/24 16:00	12/30/24	1	8260B	[CALC]
Total Xylenes	ND		0.000238	0.00177	mg/kg Dry dry	12/16/24 16:00	12/30/24	1	8260B	[CALC]

Analyte	Result	/Qual	DL	RL	Units	Date Sampled	Date Analyzed	DF	Method	Prep Batch
Metals - ICP										
Arsenic	2.28	J	0.330	5.00	mg/kg Dry	12/16/24 16:00	12/20/24	1	6010B	BAL1165
Barium	44.9		0.530	2.50	mg/kg Dry	12/16/24 16:00	12/20/24	1	6010B	BAL1165
Cadmium	0.0687	J	0.0300	0.250	mg/kg Dry	12/16/24 16:00	12/20/24	1	6010B	BAL1165
Chromium	12.1		0.0870	0.250	mg/kg Dry	12/16/24 16:00	12/20/24	1	6010B	BAL1165
Lead	17.2		0.210	1.25	mg/kg Dry	12/16/24 16:00	12/20/24	1	6010B	BAL1165

The contents of this report apply to the sample(s) analyzed in accordance with the chain of custody document.
No duplication of this report is allowed, except in its entirety.

Metiri Group - Geneva - 1950 S Batavia Ave, Suite 150, Geneva, IL 60134

INTERRA, Inc.	Project: INTERRA - Soil	
600 Territorial Drive, Suite G	Project Number: 9826 - Evanston Geotech and Environmental 2024	
Bolingbrook, IL 60440	Project Manager: INTERRA, Inc.	Reported: 01/07/2025 17:07

Sample Results
(Continued)

Sample: Hartrey-SGB-04 (Continued)
AAL1048-04 (Solid)

Analyte	Result /Qual	DL	RL	Units	Date Sampled	Date Analyzed	DF	Method	Prep Batch
Metals - ICP (Continued)									
Selenium	ND	0.360	5.00	mg/kg Dry	12/16/24 16:00	12/20/24	1	6010B	BAL1165
Silver	ND	0.260	0.500	mg/kg Dry	12/16/24 16:00	12/20/24	1	6010B	BAL1165

The contents of this report apply to the sample(s) analyzed in accordance with the chain of custody document.
No duplication of this report is allowed, except in its entirety.

Metiri Group - Geneva - 1950 S Batavia Ave, Suite 150, Geneva, IL 60134

INTERRA, Inc.	Project: INTERRA - Soil	
600 Territorial Drive, Suite G	Project Number: 9826 - Evanston Geotech and Environmental 2024	
Bolingbrook, IL 60440	Project Manager: INTERRA, Inc.	Reported: 01/07/2025 17:07

8260 SRP Package

8260 SRP

The contents of this report apply to the sample(s) analyzed in accordance with the chain of custody document.
No duplication of this report is allowed, except in its entirety.

SUBURBAN LABORATORIES, Inc.

1950 S. Batavia Ave. Ste. 150 Geneva, IL 60134 Tel. 708.544.3260 login@suburbanlabs.com www.suburbanlabs.com

CHAIN OF CUSTODY RECORD

Page 1 of 1

Company: Interra
Address: 600 Territorial Dr. Suite G
City: Bolingbrook State: IL Zip: 60440
Office: 630-754-8700 Fax: 630-754-8700
Email Address: aguntaka@interraservices.com
Project ID / Location: 9826 - Evanston Geotech & Environmental - 2024
Project Manager (Report to): aguntaka@interraservices.com; reshmac@interraservices.com
Sample Collector(s): Paul Sponaugle

TURNAROUND TIME REQUESTED
[X] Normal [ ] RUSH*
* Must be pre-approved and surcharges apply. Checking this box indicates your approval of surcharges.
Date and Time Report Needed:

Specify Regulatory Program: [ ] None/Info Only
[ ] LUST [ ] SRP [ ] SDWA
[ ] 503 Sludge [ ] NPDES [ ] MWRDGC
[ ] Disposal [ ] CCDD [X] OTHER - Specify Below

PO #:
Report Type: [ ] Normal [ ] Special*
* Additional charges apply for QC reports and raw data. Specify in comments section
Shipping Method:

LAB USE ONLY
Work Order #:
Temperature of Received Samples: 2.0 °C
Received within 24 hours of collection? [ ] No [ ] Yes

	SAMPLE IDENTIFICATION (Use 1 line per container type)	COLLECTION DATE	COLLECTION TIME	MATRIX	GRAB/ COMP.	CONTAINERS Qty	CONTAINERS SIZE & TYPE	PRESERVATIVE	VOCs	SVOCs	RCRA Metals (8)	PCBs	Pesticides	pH	Lab Comment	LAB #
1	Hartrey-SGB-01	12-16-24	1345	Soil	Grab	5			X	X	X	X	X	X		
2	Hartrey-SGB-02	"	1430	Soil	Grab	5			X	X	X	X	X	X		
3	Hartrey-SGB-03	"	1415	Soil	Grab	5			X	X	X	X	X	X		
4	Hartrey-SGB-04	"	1600	Soil	Grab	5			X	X	X	X	X	X		
5																
6																
7																
8																
9																
10																
11																
12																

MATRIX: Drinking Water (DW), Soil (S), Waste Water (WW), Surface Water(SW), Ground Water (GW), Solid Waste (WA), Sludge (U), Wipe (P) CONTAINER: 2oz, 4oz, 8oz, 40ml Vial, 500ml, Liter (L), Tube, Glass (G), Plastic (P) PRESERVATIVE: H_2SO_4, HCl, HNO_3, Methanol (MeOH) NaOH, Sodium Bisulfate (NaB), NaThio

COMMENTS & SPECIAL INSTRUCTIONS:

Regulatory Programs:
CCDD Mac
TACO Residential
TACO Industrial/Commercial

AAL1048
INTERRA, Inc.

1. Relinquished By	Date	2. Relinquished By	Date	3. Relinquished By	Date	4. Relinquished By	Date
	12/17/24		12/17/24				
Received By	Time	Received By	Time	Received By	Time	Received By	Time
[X] Ice	11:05	[ ] Ice	2:00	[ ] Ice		[ ] Ice	

THIS FORM MUST BE FILLED OUT COMPLETELY BY THE SAMPLE COLLECTOR OR SUBMITTER AND ORIGINAL FORM MUST ACCOMPANY SAMPLES AT ALL TIMES. Rev 2/17

Appendix D

LPC 663 Form

Illinois Environmental Protection Agency

1021 North Grand Avenue East • P.O. Box 19276 • Springfield • Illinois • 62794-9276 • (217) 782-3397

Uncontaminated Soil Certification by Licensed Professional Engineer or Licensed Professional Geologist for Use of Uncontaminated Soil as Fill in a CCDD or Uncontaminated Soil Fill Operation LPC-663

Revised in accordance with 35 Ill. Adm. Code 1100, as amended by PCB R2012-009 (eff. Aug. 27, 2012)

This certification form is to be used by professional engineers and professional geologists to certify, pursuant to 35 Ill. Adm. Code 1100.205(a)(1)(B), that soil (I) is uncontaminated soil and (II) is within a pH range of 6.26 to 9.0. If you have questions about this form, please telephone the Bureau of Land Permit Section at 217/524-3300.

This form may be completed online, saved locally, printed and signed, and submitted to prospective clean construction or demolition debris (CCDD) fill operations or uncontaminated soil fill operations.

I. Source Location Information

(Describe the location of the source of the uncontaminated soil)

Project Name: Hartrey Avenue from Church St to Emerson St Office Phone Number, if available: _____

Physical Site Location (address, including number and street):

Hartrey Avenue from Church St to Emerson St

City: Evanston State: IL Zip Code: 60202

County: Cook Township: Evanston

Lat/Long of approximate center of site in decimal degrees (DD.ddddd) to five decimal places (e.g., 40.67890, -90.12345):

Latitude: 42.05011 (Decimal Degrees) Longitude: -87.70362 (-Decimal Degrees)

Identify how the lat/long data were determined:

○ GPS ⊘ Map Interpolation ○ Photo Interpolation ○ Survey ○ Other

IEPA Site Number(s), if assigned: BOL: _____ BOW: _____ BOA: _____

Approximate Start Date (mm/dd/yyyy): Feb 1, 2025 Approximate End Date (mm/dd/yyyy): Dec 31, 2025

Estimated Volume of debris (cu. Yd.): _____

II. Owner/Operator Information for Source Site

Site Owner

Name: City of Evanston

Street Address: 2100 Ridge Avenue

PO Box: _____

City: Evanston State: IL

Zip Code: 60201 Phone: 847-448-8210

Contact: Bridget Nash

Email, if available: bnash@cityofevanston.org

Site Operator

Name: _____

Street Address: _____

PO Box: _____

City: _____ State: _____

Zip Code: _____ Phone: _____

Contact: _____

Email, if available: _____

This Agency is authorized to require this information under Section 4 and Title X of the Environmental Protection Act (415 ILCS 5/4, 5/39). Failure to disclose this information may result in: a civil penalty of not to exceed $50,000 for the violation and an additional civil penalty of not to exceed $10,000 for each day during which the violation continues (415 ILCS 5/42). This form has been approved by the Forms Management Center.

Project Name: Hartrey Avenue from Church St to Emerson St Latitude: 42.05011 Longitude: - 87.70362

Uncontaminated Soil Certification

III. Basis for Certification and Attachments

For each item listed below, reference the attachments to this form that provide the required information.

a. A Description of the soil sample points and how they were determined to be sufficient in number and appropriately located 35 Ill. Adm. Code 1100.610(a)]:

Soil sampling points were selected based on the expected limits of proposed excavation and evenly spaced; Site historical documents including readily available Federal & State databases were reviewed to identify sampling points and adequacy.

b. Analytical soil testing results to show that soil chemical constituents comply with the maximum allowable concentrations established pursuant to 35 Ill. Adm. Code Part 1100, Subpart F and that the soil pH is within the range of 6.25 to 9.0,including the documentation of chain of custody control, a copy of the lab analysis; the accreditation status of the laboratory performing the analysis; and certification by an authorized agent of the laboratory that the analysis has been performed in accordance with the Agency's rules for the accreditation of environmental and the scope of the accreditation [35 Ill. Adm. Code 1100.201(g), 1100.205(a), 1100.610]:

Historical records, analytical test results, chain of custody documentation and laboratory accreditation are attached. Soil should be disposed at a CCDD facility within a MSA County.

IV. Certification Statement, Signature and Seal of Licensed Professional Engineer or Licensed Professional Geologist

I, Sanjeev Bandi (name of licensed professional engineer or geologist) certify under penalty of law that the information submitted, including but not limited to, all attachments and other information, is to the best of my knowledge and belief, true, accurate and complete. In accordance with the Environmental Protection Act [415 ILCS 5/22.51 or 22.51a] and 35 Ill. Adm. Code 1100.205(a), I certify that the soil from this site is uncontaminated soil. I also certify that the soil pH is within the range of 6.25 to 9.0. In addition, I certify that the soil has not been removed from the site as part of a cleanup or removal of contaminants. All necessary documentation is attached.

Any person who knowingly makes a false, fictitious, or fraudulent material statement, orally or in writing, to the Illinois EPA commits a Class 4 felony. A second or subsequent offense after conviction is a Class 3 felony. (415 ILCS 5/44(h))

Company Name:	Interra, Inc.
Street Address:	600 Territorial Drive, Suite G
City:	Bolingbrook State: IL Zip Code: 60440
Phone:	630-754-8700

Sanjeev Bandi
Printed Name:

Licensed Professional Engineer or
Licensed Professional Geologist Signature:

Jan 24, 2025
Date:

LICENSED PROFESSIONAL ENGINEER
SANJEEVREDDY BANDI
062-051187
OF ILLINOIS

P.E or L.P.G. Seal:

INTERRA
Engineering • Inspection • Testing

600 Territorial Drive, Suite G
Bolingbrook, IL 60440

p: 630-754-8700
f: 630-754-8705

Interra Project No: 9826

01/24/2025

Ms. Bridget Nash, PE
Capital Planning & Engineering
Public Works Agency
City of Evanston
2100 Ridge Avenue
Evanston, IL 60201

Environmental Report

2025 Water Main Improvement Projects
Brown Avenue from Foster Street to Simpson Street
City of Evanston, Cook County, Illinois

Dear Ms. Nash:

Interra, Inc. (INTERRA) is pleased to submit this report on environmental sampling and analytical testing performed at the above referenced project in Evanston, Illinois. We understand that the purpose of the investigation is to aid in soil management during construction.

Scope of Work

The scope of work included review of readily available historical documents to identify past land use and selection of parameters for analytical testing; collection of two (2) soil samples for analytical testing; and determination of soil management options based on analytical test results.

Historical Document Review

A review of the Federal, State and Local databases was performed to identify past land use and recognized environmental conditions on or near the property. Potentially Impacted Properties (PIP) identified in the vicinity of the site included Leaking Underground Storage Tanks (LUST), Site Remediation Program (SRP), Institutional Control, and spills. Historical reports reviewed are included in Appendix A.

Field Work

Boreholes for collecting environmental sample were located in the field by INTERRA. The drilling sub-contractor, Geocon Professional Services (GEOCON) obtained underground utility clearances prior to drilling. Drilling was performed on 12/16/2024. Soil sampling was performed at 2.5-foot intervals up to the planned exploration depth of 10 feet. Soil sampling was performed using decontaminated split-spoon sampler. All soil samples were field screened using a Minirae 2020 Plus (photoionization detector) to aid in sample selection for analytical testing. Field screening did not indicate the presence of VOC contamination. Sample Location Map is presented in Appendix B of this report.

Soil grab samples for environmental analysis were chosen between the 0.0 to 5.0 feet interval. INTERRA collected and preserved the environmental soil sample in accordance with applicable SW 846 methods and transported them to the NELAC accredited Suburban Laboratories for analytical testing.

Analytical Testing

The soil samples were analyzed for the contaminants of concern identified based on Historical Document review. Based on this, the sample was tested for Volatile Organic Compounds (VOCs), Semi-volatile Organic Compounds (SVOCs), total RCRA Metals, Pesticides, PCBs and pH. The sample analytical test reports are presented in Appendix C of this report.

Conclusions and Recommendations

The analytical results were compared to 35 ILL. Adm. Code 1100, “Maximum Allowable Concentrations (MAC) of chemical constituents in Uncontaminated Soil used as fill in a Clean Construction & Demolition Debris (CCDD) or “Uncontaminated Soil Fill Operation” and Illinois Tiered Approach to Corrective Action Objectives (TACO) Residential Soil Remediation Objectives in accordance with Article 669 of IDOT Standard Specification for Road and Bridge Construction (January 1, 2022).

Samples Brown-SGB-01 and Brown-SGB-02 did not encounter any contaminants of concern above the CCDD (MSA county) and TACO regulatory limits. Both samples exceeded the regulatory limits for pH specified in Article 669 of IDOT Standard Specification for Road and Bridge Construction (January 1, 2022). Exceedances are summarized in the table below.

Table 1: Exceedance Table

Sample Number	Exceeding Constituent	Results (mg/kg)	CCDD MAC Values			TACO Tier 1 Residential SROs		SCGW SRO Class 1 (mg/kg)	Construction Worker SRO	
			Most Stringent	Chicago	MSA	Ingestion (mg/kg)	Inhalation (mg/kg)		Ingestion (mg/kg)	Inhalation (mg/kg)
Brown-SGB-01	pH*	11.2	6.25-9.0							
	Benzo(a)pyrene	0.335	0.09	1.3	2.1	2.1*	NC	8	17	NC
Brown-SGB-02	pH*	9.28	6.25-9.0							

Notes:

Regulatory limit exceeded

* pH is unitless

NC No toxicity criteria for this exposure route

Based on the exceedance shown in Table 1, the soil can be managed as follows according to 669.05(a)(3) of IDOT Standard Specifications. LPC 663 is not provided since the material did not meet the CCDD requirements for pH.

- The soil cannot be disposed of at a CCDD facility or a USFO.
- The soil can be utilized within the right-of-way as embankment or fill, when suitable.

We appreciate the opportunity to be of service to you. Should you need additional information or clarifications, please call us at (630) 754-8700.

Yours truly,

Interra, Inc.

Supraja Reddy, Ph.D., PE
Project Engineer

Ashok Guntaka, EI
Project Manager

Sanjeev Bandi, Ph.D., PE
Principal Engineer

APPENDIX A

Historical Reports

9826-G Brown From Foster To Simpson
Brown and Foster
Evanston, IL 60201

Inquiry Number: 7841921.17s
December 06, 2024

EDR Summary Radius Map Report

6 Armstrong Road, 4th floor
Shelton, CT 06484
Toll Free: 800.352.0050
www.edrnet.com

TABLE OF CONTENTS

SECTION	PAGE
Executive Summary	ES1
Overview Map	2
Detail Map	3
Map Findings Summary	4
Map Findings	8
Orphan Summary	311
Government Records Searched/Data Currency Tracking	GR-1

GEOCHECK ADDENDUM

Physical Setting Source Addendum	A-1
Physical Setting Source Summary	A-2
Physical Setting Source Map	A-10
Physical Setting Source Map Findings	A-11
Physical Setting Source Records Searched	PSGR-1

Thank you for your business.
Please contact EDR at 1-800-352-0050
with any questions or comments.

Disclaimer - Copyright and Trademark Notice

This Report contains certain information obtained from a variety of public and other sources reasonably available to Environmental Data Resources, LLC. It cannot be concluded from this Report that coverage information for the target and surrounding properties does not exist from other sources. This Report is provided on an "AS IS", "AS AVAILABLE" basis. **NO WARRANTY EXPRESS OR IMPLIED IS MADE WHATSOEVER IN CONNECTION WITH THIS REPORT. ENVIRONMENTAL DATA RESOURCES, LLC AND ITS SUBSIDIARIES, AFFILIATES AND THIRD PARTY SUPPLIERS DISCLAIM ALL WARRANTIES, OF ANY KIND OR NATURE, EXPRESS OR IMPLIED, ARISING OUT OF OR RELATED TO THIS REPORT OR ANY OF THE DATA AND INFORMATION PROVIDED IN THIS REPORT, INCLUDING WITHOUT LIMITATION, ANY WARRANTIES REGARDING ACCURACY, QUALITY, CORRECTNESS, COMPLETENESS, COMPREHENSIVENESS, SUITABILITY, MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE, TITLE, NON-INFRINGEMENT, MISAPPROPRIATION, OR OTHERWISE. ALL RISK IS ASSUMED BY THE USER. IN NO EVENT SHALL ENVIRONMENTAL DATA RESOURCES, LLC OR ITS SUBSIDIARIES, AFFILIATES OR THIRD PARTY SUPPLIERS BE LIABLE TO ANYONE FOR ANY DIRECT, INCIDENTAL, INDIRECT, SPECIAL, CONSEQUENTIAL OR OTHER DAMAGES OF ANY TYPE OR KIND (INCLUDING BUT NOT LIMITED TO LOSS OF PROFITS, LOSS OF USE, OR LOSS OF DATA) INFORMATION PROVIDED IN THIS REPORT.** Any analyses, estimates, ratings, environmental risk levels, or risk codes provided in this Report are provided for illustrative purposes only, and are not intended to provide, nor should they be interpreted as providing any facts regarding, or prediction or forecast of, any environmental risk for any property. Only an assessment performed by a qualified environmental professional can provide findings, opinions or conclusions regarding the environmental risk or conditions in, on or at any property.

Copyright 2024 by Environmental Data Resources, LLC. All rights reserved. Reproduction in any media or format, in whole or in part, of any report or map of Environmental Data Resources, LLC, or its affiliates, is prohibited without prior written permission.

EDR and its logos (including Sanborn and Sanborn Map) are trademarks of Environmental Data Resources, LLC or its affiliates. All other trademarks used herein are the property of their respective owners.

EXECUTIVE SUMMARY

A search of available environmental records was conducted by Environmental Data Resources, Inc (EDR). The report was designed to assist parties seeking to meet the search requirements of EPA's Standards and Practices for All Appropriate Inquiries (40 CFR Part 312), the ASTM Standard Practice for Environmental Site Assessments (E1527 - 21), the ASTM Standard Practice for Environmental Site Assessments for Forestland or Rural Property (E2247 - 16), the ASTM Standard Practice for Limited Environmental Due Diligence: Transaction Screen Process (E1528 - 22) or custom requirements developed for the evaluation of environmental risk associated with a parcel of real estate.

TARGET PROPERTY INFORMATION

ADDRESS

BROWN AND FOSTER
EVANSTON, IL 60201

COORDINATES

Latitude (North):	42.0547290 - 42° 3' 17.02''
Longitude (West):	87.7004030 - 87° 42' 1.45''
Universal Tranverse Mercator:	Zone 16
UTM X (Meters):	442042.3
UTM Y (Meters):	4655876.5
Elevation:	596 ft. above sea level

USGS TOPOGRAPHIC MAP ASSOCIATED WITH TARGET PROPERTY

Target Property:	TP
Source:	U.S. Geological Survey

AERIAL PHOTOGRAPHY IN THIS REPORT

Portions of Photo from:	20190802
Source:	USDA

MAPPED SITES SUMMARY

Target Property Address:
BROWN AND FOSTER
EVANSTON, IL 60201

Click on Map ID to see full detail.

MAP ID	SITE NAME	ADDRESS	DATABASE ACRONYMS	RELATIVE ELEVATION	DIST (ft. & mi.) DIRECTION
A1	OVER THE RAINBOW UNI	2030 BROWN ST	IL UST	Lower	200, 0.038, NNW
A2	RAINBOW UNIT 2	2030 BROWN ST.	IL LUST, IL BOL	Lower	200, 0.038, NNW
A3	OVER THE RAINBOW ASS	2026 BROWN ST.	IL LUST, IL BOL	Lower	200, 0.038, NNW
A4	OVER THE RAINBOW ASS	2026 BROWN ST.	UST FINDER RELEASE	Lower	200, 0.038, NNW
A5	RAINBOW UNIT 2	2030 BROWN ST.	UST FINDER RELEASE	Lower	200, 0.038, NNW
A6	OVER THE RAINBOW ASS	2026 BROWN ST	IL UST	Lower	200, 0.038, NNW
7	SIMPSON STREET CLEAN	1829 SIMPSON ST	EDR Hist Cleaner	Higher	623, 0.118, NE
B8	ST ANDREWS EPISCOPAL	1928 DARROW	IL UST, IL BOL	Higher	957, 0.181, SE
B9	ST. ANDREWS EPISCOPA	1928 DARROW	IL LUST	Higher	957, 0.181, SE
C10	FLEETWOOD JOURDAIN C	1655 FOSTER ST	IL LUST, IL UST, IL BOL	Higher	1423, 0.270, East
C11	EVANSTON, CITY OF	1655 FOSTER	UST FINDER RELEASE	Higher	1423, 0.270, East
12	BRINNSP, LLC	2113 DEWEY AVENUE	IL ENG CONTROLS, IL INST CONTROL, IL SRP	Higher	1437, 0.272, ENE
D13	GREENWALD, DORIS	2125 DEWEY AVE.	IL LUST	Higher	1494, 0.283, ENE
D14	GREENWALD, DORIS	2125 DEWEY AVE.	UST FINDER RELEASE	Higher	1494, 0.283, ENE
E15	U.S. POSTAL SERVICE	1700 EMERSON ST.	UST FINDER RELEASE	Higher	1557, 0.295, SE
E16	UNITED STATES POSTAL	1700 EMERSON	RCRA-VSQG, IL LUST, IL SPILLS, FINDS, ECHO, E...	Higher	1557, 0.295, SE
E17	ROBINSON BUS CO.	EMERSON & DEWEY ST.	IL LUST	Higher	1563, 0.296, SE
E18	ROBINSON BUS CO.	EMERSON & DEWEY ST.	UST FINDER RELEASE	Higher	1563, 0.296, SE
E19	ROBINSON BUS SERVICE	1622 EMERSON	IL LUST, IL UST	Higher	1655, 0.313, SE
E20	ROBINSON BUS SERVICE	1622 EMERSON ST.	UST FINDER RELEASE	Higher	1655, 0.313, SE
F21	1600 FOSTER AVENUE	1600 FOSTER AVENUE	US BROWNFIELDS, RCRA NonGen / NLR, FINDS, ECHO	Higher	1683, 0.319, ESE
F22	EMSQ, LLC	1600 FOSTER STREET	IL LUST, IL SPILLS	Higher	1683, 0.319, ESE
F23	BISHOP FREEMAN	1600 FOSTER ST	IL ENG CONTROLS, IL INST CONTROL, IL SRP, IL...	Higher	1683, 0.319, ESE
G24	EVANSTON WEST CONGRE	2128 ASHLAND AVE.	IL LUST, IL BOL	Higher	1789, 0.339, ENE
G25	EVANSTON WEST CONGRE	2128 ASHLAND AVE.	UST FINDER RELEASE	Higher	1789, 0.339, ENE
H26	ROBINSON BUS SERVICE	1601 PAYNE STREET	IL LUST, IL BOL	Higher	1801, 0.341, ENE
27	NINE SEAS INVESTMENT	2119-2125 ASHLAND AV	IL LUST	Higher	1834, 0.347, ENE
H28	ROBINSON BUS SERVICE	2142 ASHLAND	UST FINDER RELEASE	Higher	1873, 0.355, ENE
H29	LEINEWEBER, JOHN	2144 ASHLAND	UST FINDER RELEASE	Higher	1895, 0.359, ENE
H30	RENAISSANCE REALTY	2144 ASHLAND	IL LUST, IL UST, IL BOL	Higher	1895, 0.359, ENE
31	ONYX WASTE SERVICES	1710 LYON ST.	IL LUST	Higher	1927, 0.365, SSE
I32	POSITIVE CONNECTIONS	1528 EMERSON STREET	IL LUST, IL SPILLS, IL BOL, IL TIER 2	Higher	2025, 0.384, SE
I33	ROBINSON BUS SERVICE	1528 EMERSON	IL LUST, RCRA NonGen / NLR, FINDS, ECHO	Higher	2025, 0.384, SE
I34	ROBINSON RENTALS, IN	1528 EMERSON STREET	UST FINDER RELEASE	Higher	2025, 0.384, SE
J35	ACTIVE SERVICE CORP.	1710 LYONS ST.	UST FINDER RELEASE	Higher	2083, 0.395, SSE
J36	ACTIVE SERVICE CORP.	1710 LYONS ST.	IL LUST, IL SPILLS	Higher	2083, 0.395, SSE
J37	ONYX WASTE SERVICES	1710 LYON ST.	UST FINDER RELEASE	Higher	2083, 0.395, SSE
K38	TAPECOAT COMPANY/ CH	1527 LYONS ST	RCRA-VSQG, IL ENG CONTROLS, IL INST CONTROL, IL...	Higher	2116, 0.401, SE
L39	BP PRODUCTS # 5325,	2216 GREEN BAY RD.	IL LUST, IL BOL	Higher	2200, 0.417, NE

MAPPED SITES SUMMARY

Target Property Address:
BROWN AND FOSTER
EVANSTON, IL 60201

Click on Map ID to see full detail.

MAP ID	SITE NAME	ADDRESS	DATABASE ACRONYMS	RELATIVE ELEVATION	DIST (ft. & mi.) DIRECTION
L40	BP PRODUCTS # 5325,	2216 GREENBAY RD.	IL LUST, IL SPILLS	Higher	2200, 0.417, NE
L41	BP PRODUCTS # 5325	2216 GREENBAY RD.	UST FINDER RELEASE	Higher	2200, 0.417, NE
K42	TAPECOAT CO.	1523 LYONS ST.	IL LUST	Higher	2219, 0.420, SE
43	VEOLIA ENVIRONMENTAL	1712 CHURCH ST	IL LUST, IL SPILLS, IL BOL, IL TIER 2	Higher	2286, 0.433, SSE
M44	SCHEIN, DON	1823 CHURCH ST.	UST FINDER RELEASE	Higher	2380, 0.451, SSE
M45	SCHEIN, DON	1823 CHURCH ST	IL LUST, IL BOL	Higher	2380, 0.451, SSE
M46	E-TOWN COMMUNITY VEN	1801-1805 CHURCH STR	UST FINDER RELEASE	Higher	2399, 0.454, SSE
M47	E-TOWN COMMUNITY VEN	1801-1805 CHURCH STR	IL LUST, IL ENG CONTROLS, IL INST CONTROL, IL SRP,...	Higher	2399, 0.454, SSE
48	TAPECOAT CO INC	1520 LYONS ST	IL ENG CONTROLS, IL INST CONTROL, IL SRP, IL AIRS,...	Higher	2441, 0.462, SE
49	CSE 1611, LLC	1611 CHURCH STREET	IL LUST, IL SPILLS	Higher	2543, 0.482, SE
50	CYRUS HOMES INC	1613 CHURCH STREET	IL SRP, IL BOL	Higher	2606, 0.494, SSE
N51	JOHN J. CAHILL INC.	1515 CHURCH ST.	IL LUST	Higher	2621, 0.496, SE
N52	JOHN J CAHILL INC	1515 CHURCH ST	UST FINDER, UST FINDER RELEASE	Higher	2621, 0.496, SE
53	NORTHWESTERN UNIVERS		FUDS	Higher	3041, 0.576, SE
54	NORTH WESTERN GAS WO	918 UNIVERSITY PLACE	EDR MGP	Higher	4783, 0.906, ESE
55	NORTHWESTERN GAS, LI	912 CLARK STREET	EDR MGP	Higher	4907, 0.929, ESE

EXECUTIVE SUMMARY

TARGET PROPERTY SEARCH RESULTS

The target property was not listed in any of the databases searched by EDR.

SURROUNDING SITES: SEARCH RESULTS

Surrounding sites were identified in the following databases.

Elevations have been determined from the USGS Digital Elevation Model and should be evaluated on a relative (not an absolute) basis. Relative elevation information between sites of close proximity should be field verified. Sites with an elevation equal to or higher than the target property have been differentiated below from sites with an elevation lower than the target property.
Page numbers and map identification numbers refer to the EDR Radius Map report where detailed data on individual sites can be reviewed.

Sites listed in ***bold italics*** are in multiple databases.

Unmappable (orphan) sites are not considered in the foregoing analysis.

STANDARD ENVIRONMENTAL RECORDS

Lists of state and tribal leaking storage tanks

IL LUST: A review of the IL LUST list, as provided by EDR, and dated 07/15/2024 has revealed that there are 25 IL LUST sites within approximately 0.5 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
ST. ANDREWS EPISCOPA Incident Num: 20002119 IL EPA Id: 0310815234	1928 DARROW	SE 1/8 - 1/4 (0.181 mi.)	B9	9
FLEETWOOD JOURDAIN C NFA/NFR Letter: 1/15/2009 Incident Num: 910482 IL EPA Id: 0310815096	***1655 FOSTER ST***	***E 1/4 - 1/2 (0.270 mi.)***	***C10***	***10***
GREENWALD, DORIS Incident Num: 932595 IL EPA Id: 0310815154	2125 DEWEY AVE.	ENE 1/4 - 1/2 (0.283 mi.)	D13	11
UNITED STATES POSTAL NFA/NFR Letter: 2/14/1991 NFA/NFR Letter: 1/22/2008 Incident Num: 902933 Incident Num: 891640 Incident Num: 881480 IL EPA Id: 0310815062	***1700 EMERSON***	***SE 1/4 - 1/2 (0.295 mi.)***	***E16***	***11***
ROBINSON BUS CO. NFA/NFR Letter: 7/21/1995 Incident Num: 930489 IL EPA Id: 0310813010	EMERSON & DEWEY ST.	SE 1/4 - 1/2 (0.296 mi.)	E17	12
ROBINSON BUS SERVICE NFA/NFR Letter: 1/12/2001	***1622 EMERSON***	***SE 1/4 - 1/2 (0.313 mi.)***	***E19***	***12***

Incident Num: 960718 IL EPA Id: 0310813010				
EMSQ, LLC Incident Num: 20121320 IL EPA Id: 0310815028	***1600 FOSTER STREET***	***ESE 1/4 - 1/2 (0.319 mi.)***	***F22***	***13***
EVANSTON WEST CONGRE NFA/NFR Letter: 8/30/2012 Incident Num: 901566 IL EPA Id: 0310815083	***2128 ASHLAND AVE.***	***ENE 1/4 - 1/2 (0.339 mi.)***	***G24***	***14***
ROBINSON BUS SERVICE NFA/NFR Letter: 4/28/1993 Incident Num: 920533 IL EPA Id: 0310813008	***1601 PAYNE STREET***	***ENE 1/4 - 1/2 (0.341 mi.)***	***H26***	***14***
NINE SEAS INVESTMENT Incident Num: 20181212 IL EPA Id: 0310815385	2119-2125 ASHLAND AV	ENE 1/4 - 1/2 (0.347 mi.)	27	15
RENAISSANCE REALTY NFA/NFR Letter: 4/9/1999 Incident Num: 972281 IL EPA Id: 0310815196	***2144 ASHLAND***	***ENE 1/4 - 1/2 (0.359 mi.)***	***H30***	***15***
ONYX WASTE SERVICES NFA/NFR Letter: 9/8/2004 Incident Num: 20031305 IL EPA Id: 0310810003	1710 LYON ST.	SSE 1/4 - 1/2 (0.365 mi.)	31	16
POSITIVE CONNECTIONS NFA/NFR Letter: 11/16/2010 Incident Num: 20090690 Incident Num: 20090958 IL EPA Id: 0310815042	***1528 EMERSON STREET***	***SE 1/4 - 1/2 (0.384 mi.)***	***I32***	***16***
ROBINSON BUS SERVICE Incident Num: 20000092 IL EPA Id: 0310815042	***1528 EMERSON***	***SE 1/4 - 1/2 (0.384 mi.)***	***I33***	***16***
ACTIVE SERVICE CORP. NFA/NFR Letter: 12/2/1994 Incident Num: 923691 Incident Num: 20050658 IL EPA Id: 0310810003 IL EPA Id: 0310815280	***1710 LYONS ST.***	***SSE 1/4 - 1/2 (0.395 mi.)***	***J36***	***17***
BP PRODUCTS # 5325, Incident Num: 952450 IL EPA Id: 0310815181	***2216 GREEN BAY RD.***	***NE 1/4 - 1/2 (0.417 mi.)***	***L39***	***18***
BP PRODUCTS # 5325, Incident Num: 20012058 IL EPA Id: 0310815181	***2216 GREENBAY RD.***	***NE 1/4 - 1/2 (0.417 mi.)***	***L40***	***18***
TAPECOAT CO. Incident Num: 960814 IL EPA Id: 0310815020	1523 LYONS ST.	SE 1/4 - 1/2 (0.420 mi.)	K42	19
VEOLIA ENVIRONMENTAL Incident Num: 20210983 IL EPA Id: 0310815013	***1712 CHURCH ST***	***SSE 1/4 - 1/2 (0.433 mi.)***	***43***	***19***
SCHEIN, DON	***1823 CHURCH ST***	***SSE 1/4 - 1/2 (0.451 mi.)***	***M45***	***20***

NFA/NFR Letter: 3/8/2001 Incident Num: 20001615 IL EPA Id: 0310815231				
E-TOWN COMMUNITY VEN Incident Num: 20150678 IL EPA Id: 0310815369	***1801-1805 CHURCH STR***	***SSE 1/4 - 1/2 (0.454 mi.)***	***M47***	***20***
CSE 1611, LLC Incident Num: 20220161 IL EPA Id: 0310815397	***1611 CHURCH STREET***	***SE 1/4 - 1/2 (0.482 mi.)***	***49***	***21***
JOHN J. CAHILL INC. NFA/NFR Letter: 1/15/1993 Incident Num: 920776 IL EPA Id: 0310815118	1515 CHURCH ST.	SE 1/4 - 1/2 (0.496 mi.)	N51	22

Lower Elevation	Address	Direction / Distance	Map ID	Page
RAINBOW UNIT 2 NFA/NFR Letter: 10/27/1992 Incident Num: 920863 IL EPA Id: 0310815126	***2030 BROWN ST.***	***NNW 0 - 1/8 (0.038 mi.)***	***A2***	***8***
OVER THE RAINBOW ASS NFA/NFR Letter: 9/9/1992 Incident Num: 921617 IL EPA Id: 0310815132	***2026 BROWN ST.***	***NNW 0 - 1/8 (0.038 mi.)***	***A3***	***8***

Lists of state and tribal registered storage tanks

IL UST: A review of the IL UST list, as provided by EDR, and dated 07/15/2024 has revealed that there are 3 IL UST sites within approximately 0.25 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
ST ANDREWS EPISCOPAL Tank Status: Removed Status: EXEMPT Facility Id: 2040141	***1928 DARROW***	***SE 1/8 - 1/4 (0.181 mi.)***	***B8***	***9***

Lower Elevation	Address	Direction / Distance	Map ID	Page
OVER THE RAINBOW UNI Tank Status: Removed Status: CLOSED Facility Id: 2028772	2030 BROWN ST	NNW 0 - 1/8 (0.038 mi.)	A1	8
OVER THE RAINBOW ASS Tank Status: Removed Status: CLOSED Facility Id: 2029699	2026 BROWN ST	NNW 0 - 1/8 (0.038 mi.)	A6	9

State and tribal institutional control / engineering control registries

IL ENG CONTROLS: A review of the IL ENG CONTROLS list, as provided by EDR, and dated 06/24/2024 has revealed that there are 5 IL ENG CONTROLS sites within approximately 0.5 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
BRINNSP, LLC Illinois Epa Id: 0310815349	***2113 DEWEY AVENUE***	***ENE 1/4 - 1/2 (0.272 mi.)***	***12***	***10***
BISHOP FREEMAN Illinois Epa Id: 0310815028	***1600 FOSTER ST***	***ESE 1/4 - 1/2 (0.319 mi.)***	***F23***	***13***
TAPECOAT COMPANY/ CH Illinois Epa Id: 0310815020	***1527 LYONS ST***	***SE 1/4 - 1/2 (0.401 mi.)***	***K38***	***17***
E-TOWN COMMUNITY VEN Illinois Epa Id: 0310815369	***1801-1805 CHURCH STR***	***SSE 1/4 - 1/2 (0.454 mi.)***	***M47***	***20***
TAPECOAT CO INC Illinois Epa Id: 0310815256	***1520 LYONS ST***	***SE 1/4 - 1/2 (0.462 mi.)***	***48***	***21***

IL INST CONTROL: A review of the IL INST CONTROL list, as provided by EDR, and dated 06/24/2024 has revealed that there are 5 IL INST CONTROL sites within approximately 0.5 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
BRINNSP, LLC Illinois EPA Id: 0310815349	***2113 DEWEY AVENUE***	***ENE 1/4 - 1/2 (0.272 mi.)***	***12***	***10***
BISHOP FREEMAN Illinois EPA Id: 0310815028	***1600 FOSTER ST***	***ESE 1/4 - 1/2 (0.319 mi.)***	***F23***	***13***
TAPECOAT COMPANY/ CH Illinois EPA Id: 0310815020	***1527 LYONS ST***	***SE 1/4 - 1/2 (0.401 mi.)***	***K38***	***17***
E-TOWN COMMUNITY VEN Illinois EPA Id: 0310815369	***1801-1805 CHURCH STR***	***SSE 1/4 - 1/2 (0.454 mi.)***	***M47***	***20***
TAPECOAT CO INC Illinois EPA Id: 0310815256	***1520 LYONS ST***	***SE 1/4 - 1/2 (0.462 mi.)***	***48***	***21***

Lists of state and tribal voluntary cleanup sites

IL SRP: A review of the IL SRP list, as provided by EDR, and dated 06/24/2024 has revealed that there are 6 IL SRP sites within approximately 0.5 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
BRINNSP, LLC IL EPA Id: 0310815349	***2113 DEWEY AVENUE***	***ENE 1/4 - 1/2 (0.272 mi.)***	***12***	***10***
BISHOP FREEMAN	***1600 FOSTER ST***	***ESE 1/4 - 1/2 (0.319 mi.)***	***F23***	***13***

IL EPA Id: 0310815028

TAPECOAT COMPANY/ CH IL EPA Id: 0310815020	***1527 LYONS ST***	***SE 1/4 - 1/2 (0.401 mi.)***	***K38***	***17***
E-TOWN COMMUNITY VEN IL EPA Id: 0310815369	***1801-1805 CHURCH STR***	***SSE 1/4 - 1/2 (0.454 mi.)***	***M47***	***20***
TAPECOAT CO INC IL EPA Id: 0310815256	***1520 LYONS ST***	***SE 1/4 - 1/2 (0.462 mi.)***	***48***	***21***
CYRUS HOMES INC IL EPA Id: 0310815294	***1613 CHURCH STREET***	***SSE 1/4 - 1/2 (0.494 mi.)***	***50***	***21***

Lists of state and tribal brownfield sites

IL BROWNFIELDS: A review of the IL BROWNFIELDS list, as provided by EDR, has revealed that there is 1 IL BROWNFIELDS site within approximately 0.5 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
BISHOP FREEMAN Database: BROWNFIELDS, Date of Government Version: 07/15/2024 IL EPA ID: 0310815028	***1600 FOSTER ST***	***ESE 1/4 - 1/2 (0.319 mi.)***	***F23***	***13***

ADDITIONAL ENVIRONMENTAL RECORDS

Local Brownfield lists

US BROWNFIELDS: A review of the US BROWNFIELDS list, as provided by EDR, and dated 06/10/2024 has revealed that there is 1 US BROWNFIELDS site within approximately 0.5 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
1600 FOSTER AVENUE	***1600 FOSTER AVENUE***	***ESE 1/4 - 1/2 (0.319 mi.)***	***F21***	***13***

Other Ascertainable Records

FUDS: A review of the FUDS list, as provided by EDR, and dated 07/31/2024 has revealed that there is 1 FUDS site within approximately 1 mile of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
NORTHWESTERN UNIVERS		SE 1/2 - 1 (0.576 mi.)	53	22

EXECUTIVE SUMMARY

UST FINDER RELEASE: A review of the UST FINDER RELEASE list, as provided by EDR, and dated 06/08/2023 has revealed that there are 17 UST FINDER RELEASE sites within approximately 0.5 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
EVANSTON, CITY OF	1655 FOSTER	E 1/4 - 1/2 (0.270 mi.)	C11	10
GREENWALD, DORIS	2125 DEWEY AVE.	ENE 1/4 - 1/2 (0.283 mi.)	D14	11
U.S. POSTAL SERVICE	1700 EMERSON ST.	SE 1/4 - 1/2 (0.295 mi.)	E15	11
ROBINSON BUS CO.	EMERSON & DEWEY ST.	SE 1/4 - 1/2 (0.296 mi.)	E18	12
ROBINSON BUS SERVICE	1622 EMERSON ST.	SE 1/4 - 1/2 (0.313 mi.)	E20	13
EVANSTON WEST CONGRE	2128 ASHLAND AVE.	ENE 1/4 - 1/2 (0.339 mi.)	G25	14
ROBINSON BUS SERVICE	2142 ASHLAND	ENE 1/4 - 1/2 (0.355 mi.)	H28	15
LEINEWEBER, JOHN	2144 ASHLAND	ENE 1/4 - 1/2 (0.359 mi.)	H29	15
ROBINSON RENTALS, IN	1528 EMERSON STREET	SE 1/4 - 1/2 (0.384 mi.)	I34	17
ACTIVE SERVICE CORP.	1710 LYONS ST.	SSE 1/4 - 1/2 (0.395 mi.)	J35	17
ONYX WASTE SERVICES	1710 LYON ST.	SSE 1/4 - 1/2 (0.395 mi.)	J37	17
BP PRODUCTS # 5325	2216 GREENBAY RD.	NE 1/4 - 1/2 (0.417 mi.)	L41	19
SCHEIN, DON	1823 CHURCH ST.	SSE 1/4 - 1/2 (0.451 mi.)	M44	19
E-TOWN COMMUNITY VEN	1801-1805 CHURCH STR	SSE 1/4 - 1/2 (0.454 mi.)	M46	20
JOHN J CAHILL INC	***1515 CHURCH ST***	***SE 1/4 - 1/2 (0.496 mi.)***	***N52***	***22***

Lower Elevation	Address	Direction / Distance	Map ID	Page
OVER THE RAINBOW ASS	2026 BROWN ST.	NNW 0 - 1/8 (0.038 mi.)	A4	8
RAINBOW UNIT 2	2030 BROWN ST.	NNW 0 - 1/8 (0.038 mi.)	A5	9

EDR HIGH RISK HISTORICAL RECORDS

EDR Exclusive Records

EDR MGP: A review of the EDR MGP list, as provided by EDR, has revealed that there are 2 EDR MGP sites within approximately 1 mile of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
NORTH WESTERN GAS WO	918 UNIVERSITY PLACE	ESE 1/2 - 1 (0.906 mi.)	54	22
NORTHWESTERN GAS, LI	912 CLARK STREET	ESE 1/2 - 1 (0.929 mi.)	55	22

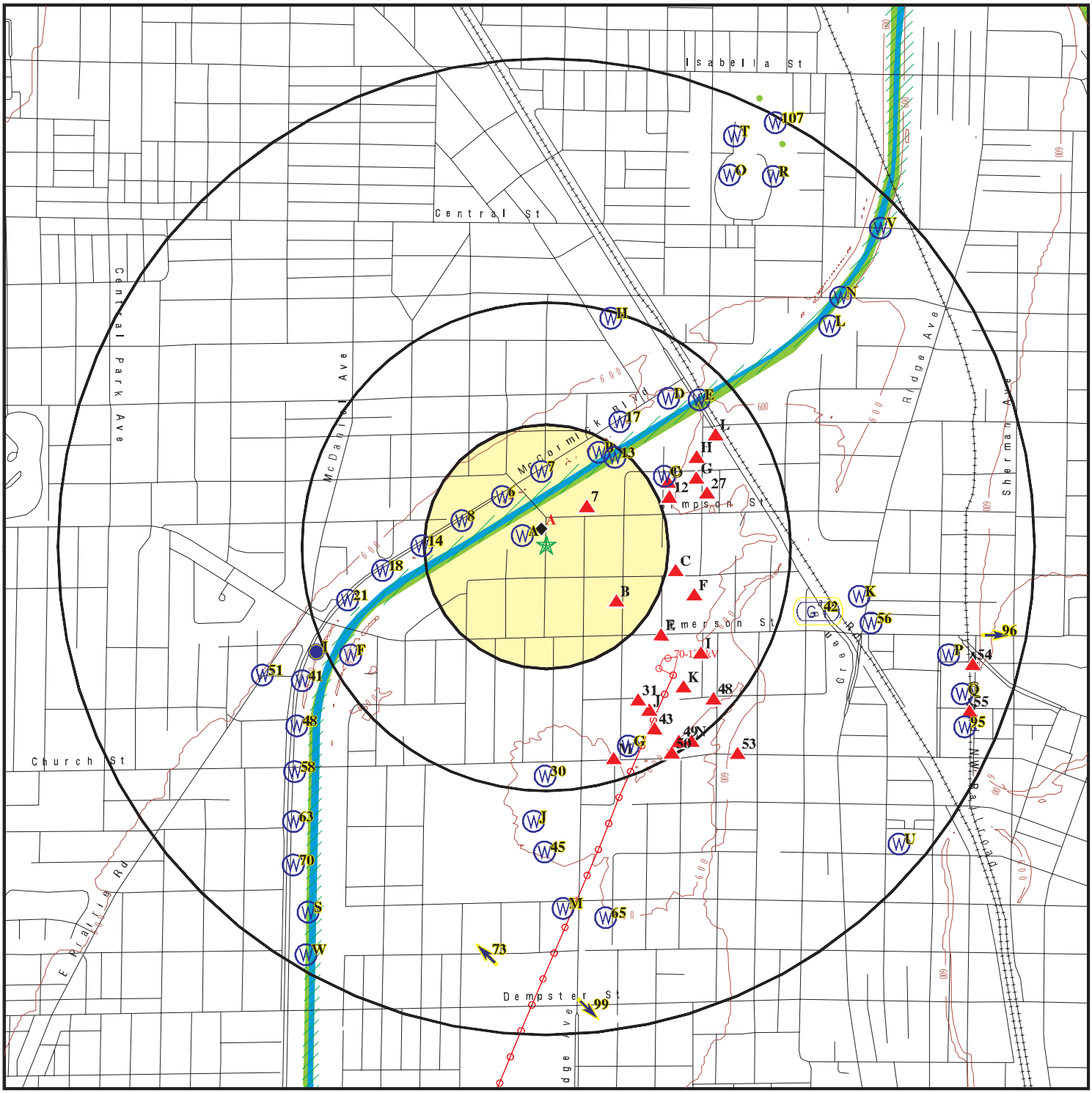
EDR Hist Cleaner: A review of the EDR Hist Cleaner list, as provided by EDR, has revealed that there is 1 EDR Hist Cleaner site within approximately 0.125 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
SIMPSON STREET CLEAN	1829 SIMPSON ST	NE 0 - 1/8 (0.118 mi.)	7	9

Count: 0 records. ORPHAN SUMMARY

City	EDR ID	Site Name	Site Address	Zip	Database(s)
		NO SITES FOUND			

OVERVIEW MAP - 7841921.17S

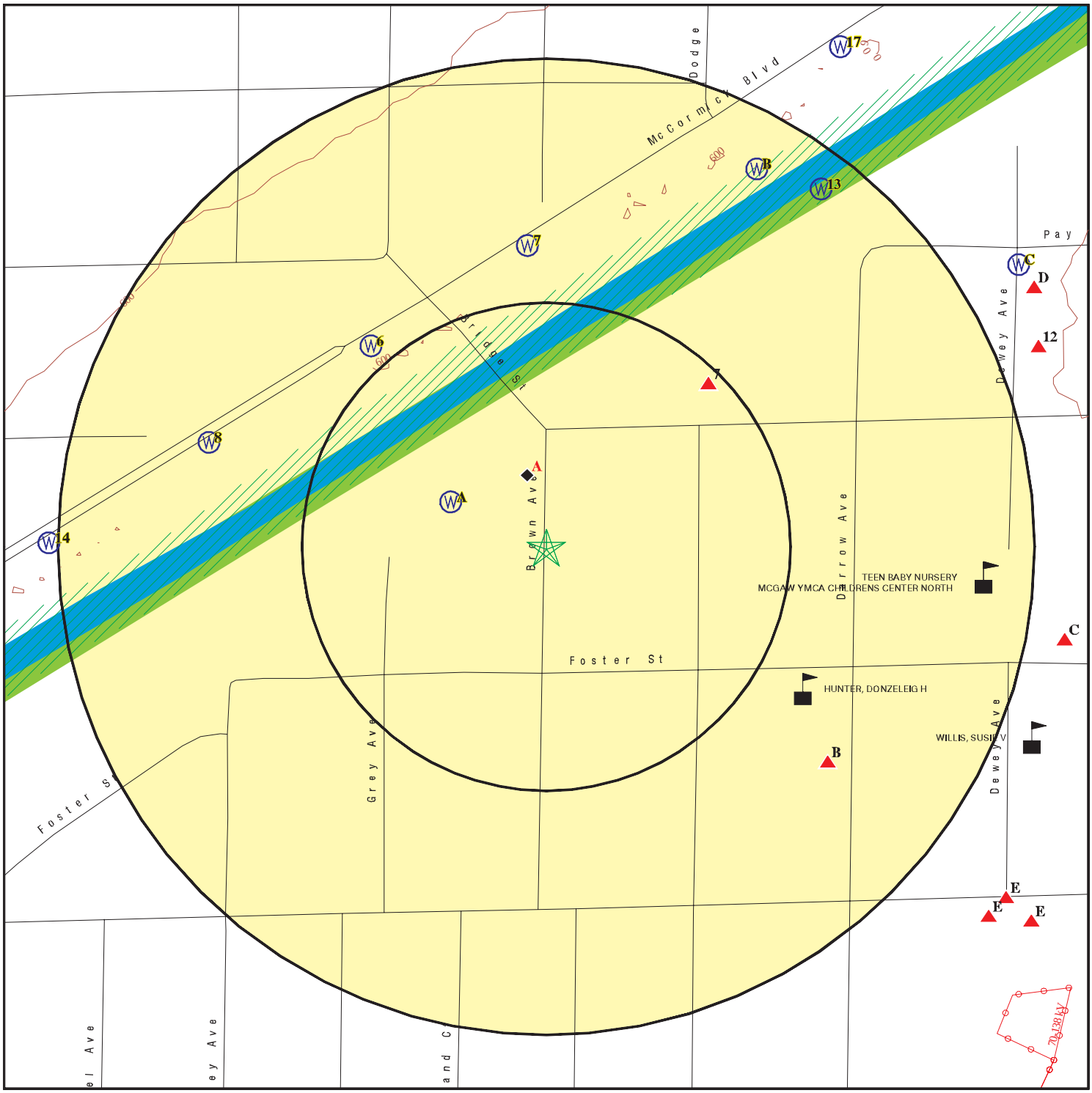


This report includes Interactive Map Layers to display and/or hide map information. The legend includes only those icons for the default map view.

SITE NAME: 9826-G Brown From Foster To Simpson ADDRESS: Brown and Foster Evanston IL 60201 LAT/LONG: 42.054729 / 87.700403	CLIENT: Interra, Inc. CONTACT: Ashok Guntaka INQUIRY #: 7841921.17s DATE: December 06, 2024 1:06 pm

Copyright © 2024 EDR, Inc. © 2015 TomTom Rel. 2015.

DETAIL MAP - 7841921.17S



- Target Property
- Sites at elevations higher than or equal to the target property
- Sites at elevations lower than the target property
- Manufactured Gas Plants
- Sensitive Receptors
- National Priority List Sites
- Dept. Defense Sites
- Indian Reservations BIA
- Power transmission lines
- Special Flood Hazard Area (1%)
- 0.2% Annual Chance Flood Hazard
- National Wetland Inventory
- State Wetlands

This report includes Interactive Map Layers to display and/or hide map information. The legend includes only those icons for the default map view.

SITE NAME: 9826-G Brown From Foster To Simpson	CLIENT: Interra, Inc.
ADDRESS: Brown and Foster Evanston IL 60201	CONTACT: Ashok Guntaka
LAT/LONG: 42.054729 / 87.700403	INQUIRY #: 7841921.17s DATE: December 06, 2024 1:09 pm

Copyright © 2024 EDR, Inc. © 2015 TomTom Rel. 2015.

MAP FINDINGS SUMMARY

Database	Search Distance (Miles)	Target Property	< 1/8	1/8 - 1/4	1/4 - 1/2	1/2 - 1	> 1	Total Plotted
STANDARD ENVIRONMENTAL RECORDS								
Lists of Federal NPL (Superfund) sites								
NPL	1.000		0	0	0	0	NR	0
Proposed NPL	1.000		0	0	0	0	NR	0
NPL LIENS	1.000		0	0	0	0	NR	0
Lists of Federal Delisted NPL sites								
Delisted NPL	1.000		0	0	0	0	NR	0
Lists of Federal sites subject to CERCLA removals and CERCLA orders								
FEDERAL FACILITY	0.500		0	0	0	NR	NR	0
SEMS	0.500		0	0	0	NR	NR	0
Lists of Federal CERCLA sites with NFRAP								
SEMS-ARCHIVE	0.500		0	0	0	NR	NR	0
Lists of Federal RCRA facilities undergoing Corrective Action								
CORRACTS	1.000		0	0	0	0	NR	0
Lists of Federal RCRA TSD facilities								
RCRA-TSDF	0.500		0	0	0	NR	NR	0
Lists of Federal RCRA generators								
RCRA-LQG	0.250		0	0	NR	NR	NR	0
RCRA-SQG	0.250		0	0	NR	NR	NR	0
RCRA-VSQG	0.250		0	0	NR	NR	NR	0
Federal institutional controls / engineering controls registries								
LUCIS	0.500		0	0	0	NR	NR	0
US ENG CONTROLS	0.500		0	0	0	NR	NR	0
US INST CONTROLS	0.500		0	0	0	NR	NR	0
Federal ERNS list								
ERNS	TP		NR	NR	NR	NR	NR	0
Lists of state- and tribal hazardous waste facilities								
IL SSU	1.000		0	0	0	0	NR	0
Lists of state and tribal landfills and solid waste disposal facilities								
IL SWF/LF	0.500		0	0	0	NR	NR	0
IL CCDD	0.500		0	0	0	NR	NR	0
IL LF SPECIAL WASTE	0.500		0	0	0	NR	NR	0
IL NIPC	0.500		0	0	0	NR	NR	0

MAP FINDINGS SUMMARY

Database	Search Distance (Miles)	Target Property	< 1/8	1/8 - 1/4	1/4 - 1/2	1/2 - 1	> 1	Total Plotted
Lists of state and tribal leaking storage tanks								
IL LUST	0.500		2	1	22	NR	NR	25
INDIAN LUST	0.500		0	0	0	NR	NR	0
IL LUST TRUST	0.500		0	0	0	NR	NR	0
Lists of state and tribal registered storage tanks								
FEMA UST	0.250		0	0	NR	NR	NR	0
IL UST	0.250		2	1	NR	NR	NR	3
IL AST	0.250		0	0	NR	NR	NR	0
INDIAN UST	0.250		0	0	NR	NR	NR	0
State and tribal institutional control / engineering control registries								
IL ENG CONTROLS	0.500		0	0	5	NR	NR	5
IL INST CONTROL	0.500		0	0	5	NR	NR	5
Lists of state and tribal voluntary cleanup sites								
IL SRP	0.500		0	0	6	NR	NR	6
INDIAN VCP	0.500		0	0	0	NR	NR	0
Lists of state and tribal brownfield sites								
IL BROWNFIELDS	0.500		0	0	1	NR	NR	1
ADDITIONAL ENVIRONMENTAL RECORDS								
Local Brownfield lists								
US BROWNFIELDS	0.500		0	0	1	NR	NR	1
Local Lists of Landfill / Solid Waste Disposal Sites								
INDIAN ODI	0.500		0	0	0	NR	NR	0
DEBRIS REGION 9	0.500		0	0	0	NR	NR	0
ODI	0.500		0	0	0	NR	NR	0
IHS OPEN DUMPS	0.500		0	0	0	NR	NR	0
Local Lists of Hazardous waste / Contaminated Sites								
US HIST CDL		TP	NR	NR	NR	NR	NR	0
IL CDL		TP	NR	NR	NR	NR	NR	0
US CDL		TP	NR	NR	NR	NR	NR	0
Local Lists of Registered Storage Tanks								
IL TANKS	0.250		0	0	NR	NR	NR	0
Local Land Records								
LIENS 2		TP	NR	NR	NR	NR	NR	0
Records of Emergency Release Reports								
HMIRS		TP	NR	NR	NR	NR	NR	0

MAP FINDINGS SUMMARY

Database	Search Distance (Miles)	Target Property	< 1/8	1/8 - 1/4	1/4 - 1/2	1/2 - 1	> 1	Total Plotted
IL SPILLS	TP		NR	NR	NR	NR	NR	0
IL COMPLAINTS	TP		NR	NR	NR	NR	NR	0
IL SPILLS 90	TP		NR	NR	NR	NR	NR	0
Other Ascertainable Records								
RCRA NonGen / NLR	0.250		0	0	NR	NR	NR	0
FUDS	1.000		0	0	0	1	NR	1
DOD	1.000		0	0	0	0	NR	0
SCRD DRYCLEANERS	0.500		0	0	0	NR	NR	0
US FIN ASSUR	TP		NR	NR	NR	NR	NR	0
EPA WATCH LIST	TP		NR	NR	NR	NR	NR	0
2020 COR ACTION	0.250		0	0	NR	NR	NR	0
TSCA	TP		NR	NR	NR	NR	NR	0
TRIS	TP		NR	NR	NR	NR	NR	0
SSTS	TP		NR	NR	NR	NR	NR	0
ROD	1.000		0	0	0	0	NR	0
RMP	TP		NR	NR	NR	NR	NR	0
RAATS	TP		NR	NR	NR	NR	NR	0
PRP	TP		NR	NR	NR	NR	NR	0
PADS	TP		NR	NR	NR	NR	NR	0
ICIS	TP		NR	NR	NR	NR	NR	0
FTTS	TP		NR	NR	NR	NR	NR	0
MLTS	TP		NR	NR	NR	NR	NR	0
COAL ASH DOE	TP		NR	NR	NR	NR	NR	0
COAL ASH EPA	0.500		0	0	0	NR	NR	0
PCB TRANSFORMER	TP		NR	NR	NR	NR	NR	0
RADINFO	TP		NR	NR	NR	NR	NR	0
HIST FTTS	TP		NR	NR	NR	NR	NR	0
DOT OPS	TP		NR	NR	NR	NR	NR	0
CONSENT	1.000		0	0	0	0	NR	0
INDIAN RESERV	1.000		0	0	0	0	NR	0
FUSRAP	1.000		0	0	0	0	NR	0
UMTRA	0.500		0	0	0	NR	NR	0
LEAD SMELTERS	TP		NR	NR	NR	NR	NR	0
US AIRS	TP		NR	NR	NR	NR	NR	0
US MINES	0.250		0	0	NR	NR	NR	0
MINES MRDS	0.250		0	0	NR	NR	NR	0
ABANDONED MINES	0.250		0	0	NR	NR	NR	0
FINDS	TP		NR	NR	NR	NR	NR	0
UXO	1.000		0	0	0	0	NR	0
ECHO	TP		NR	NR	NR	NR	NR	0
DOCKET HWC	TP		NR	NR	NR	NR	NR	0
FUELS PROGRAM	0.250		0	0	NR	NR	NR	0
PFAS NPL	0.250		0	0	NR	NR	NR	0
PFAS FEDERAL SITES	0.250		0	0	NR	NR	NR	0
PFAS TSCA	0.250		0	0	NR	NR	NR	0
PFAS TRIS	0.250		0	0	NR	NR	NR	0
PFAS RCRA MANIFEST	0.250		0	0	NR	NR	NR	0
PFAS ATSDR	0.250		0	0	NR	NR	NR	0
PFAS WQP	0.250		0	0	NR	NR	NR	0
PFAS NPDES	0.250		0	0	NR	NR	NR	0

MAP FINDINGS SUMMARY

Database	Search Distance (Miles)	Target Property	< 1/8	1/8 - 1/4	1/4 - 1/2	1/2 - 1	> 1	Total Plotted
PFAS PROJECT	0.250		0	0	NR	NR	NR	0
PFAS ECHO	0.250		0	0	NR	NR	NR	0
PFAS ECHO FIRE TRAIN	0.250		0	0	NR	NR	NR	0
PFAS PT 139 AIRPORT	0.250		0	0	NR	NR	NR	0
AQUEOUS FOAM NRC	0.250		0	0	NR	NR	NR	0
BIOSOLIDS	TP		NR	NR	NR	NR	NR	0
UST FINDER RELEASE	0.500		2	0	15	NR	NR	17
UST FINDER	0.250		0	0	NR	NR	NR	0
E MANIFEST	0.250		0	0	NR	NR	NR	0
IL PFAS	0.250		0	0	NR	NR	NR	0
IL AIRS	TP		NR	NR	NR	NR	NR	0
IL ASBESTOS	TP		NR	NR	NR	NR	NR	0
IL BOL	TP		NR	NR	NR	NR	NR	0
IL COAL ASH	0.500		0	0	0	NR	NR	0
IL DRYCLEANERS	0.250		0	0	NR	NR	NR	0
IL Enforcement	TP		NR	NR	NR	NR	NR	0
IL CHICAGO INSPECT	TP		NR	NR	NR	NR	NR	0
IL Financial Assurance	TP		NR	NR	NR	NR	NR	0
IL HWAR	TP		NR	NR	NR	NR	NR	0
IL IMPDMENT	0.500		0	0	0	NR	NR	0
WI MANIFEST	0.250		0	0	NR	NR	NR	0
IL NPDES	TP		NR	NR	NR	NR	NR	0
IL PERMITS	TP		NR	NR	NR	NR	NR	0
IL PIMW	0.250		0	0	NR	NR	NR	0
IL TIER 2	TP		NR	NR	NR	NR	NR	0
IL UIC	TP		NR	NR	NR	NR	NR	0
EDR HIGH RISK HISTORICAL RECORDS								
EDR Exclusive Records								
EDR MGP	1.000		0	0	0	2	NR	2
EDR Hist Auto	0.125		0	NR	NR	NR	NR	0
EDR Hist Cleaner	0.125		1	NR	NR	NR	NR	1
EDR RECOVERED GOVERNMENT ARCHIVES								
Exclusive Recovered Govt. Archives								
IL RGA HWS	TP		NR	NR	NR	NR	NR	0
IL RGA LF	TP		NR	NR	NR	NR	NR	0
IL RGA LUST	TP		NR	NR	NR	NR	NR	0
- Totals --		0	7	2	55	3	0	67

NOTES:

TP = Target Property

NR = Not Requested at this Search Distance

Sites may be listed in more than one database

A1
NNW
< 1/8
0.038 mi.
200 ft.

Relative:
Lower

OVER THE RAINBOW UNIT II
2030 BROWN ST
EVANSTON, IL 60546

IL UST **U000181295**
N/A

Click here for full text details

IL UST
Status CLOSED
Facility Id 2028772
Tank Status Removed

A2
NNW
< 1/8
0.038 mi.
200 ft.

Relative:
Lower

RAINBOW UNIT 2
2030 BROWN ST.
EVANSTON, IL 60201

IL LUST **S104525069**
IL BOL **N/A**

Click here for full text details

IL LUST
NFA/NFR Letter 10/27/1992
Incident Num 920863
IL EPA Id 0310815126

IL BOL
Site Id 170000451437
Inv Num 0310815126

A3
NNW
< 1/8
0.038 mi.
200 ft.

Relative:
Lower

OVER THE RAINBOW ASSOC.
2026 BROWN ST.
EVANSTON, IL 60201

IL LUST **S104524849**
IL BOL **N/A**

Click here for full text details

IL LUST
NFA/NFR Letter 9/9/1992
Incident Num 921617
IL EPA Id 0310815132

IL BOL
Site Id 170000451473
Inv Num 0310815132

A4
NNW
< 1/8
0.038 mi.
200 ft.

Relative:
Lower

OVER THE RAINBOW ASSOC.
2026 BROWN ST.
EVANSTON, IL 0

UST FINDER RELEASE **1028989169**
N/A

Click here for full text details

A5
NNW
< 1/8
0.038 mi.
200 ft.

Relative:
Lower

RAINBOW UNIT 2
2030 BROWN ST.
EVANSTON, IL 0

UST FINDER RELEASE

1028989166
N/A

Click here for full text details

A6
NNW
< 1/8
0.038 mi.
200 ft.

Relative:
Lower

OVER THE RAINBOW ASSN
2026 BROWN ST
EVANSTON, IL 60546

IL UST

U001143603
N/A

Click here for full text details

IL UST
Status CLOSED
Facility Id 2029699
Tank Status Removed

7
NE
< 1/8
0.118 mi.
623 ft.

Relative:
Higher

SIMPSON STREET CLEANERS
1829 SIMPSON ST
EVANSTON, IL 60201

EDR Hist Cleaner

1018917033
N/A

Click here for full text details

B8
SE
1/8-1/4
0.181 mi.
957 ft.

Relative:
Higher

ST ANDREWS EPISCOPAL CHURCH
1928 DARROW
EVANSTON, IL 60201

IL UST
IL BOL

U003762931
N/A

Click here for full text details

IL UST
Status EXEMPT
Facility Id 2040141
Tank Status Removed

IL BOL
Site Id 170000452061
Inv Num 0310815234

B9
SE
1/8-1/4
0.181 mi.
957 ft.

Relative:
Higher

ST. ANDREWS EPISCOPAL CHURCH
1928 DARROW
EVANSTON, IL 60201

IL LUST

S104792915
N/A

Click here for full text details

IL LUST
Incident Num 20002119

ST. ANDREWS EPISCOPAL CHURCH (Continued) **S104792915**

IL EPA Id 0310815234

C10
East
1/4-1/2
0.270 mi.
1423 ft.

Relative:
Higher

FLEETWOOD JOURDAIN COM CTR
1655 FOSTER ST
EVANSTON, IL 60201

IL LUST **U000792639**
IL UST **N/A**
IL BOL

Click here for full text details

IL LUST
NFA/NFR Letter 1/15/2009
Incident Num 910482
IL EPA Id 0310815096

IL UST
Status CLOSED
Facility Id 2026360
Tank Status Removed

IL BOL
Site Id 170000451268
Inv Num 0310815096

C11
East
1/4-1/2
0.270 mi.
1423 ft.

Relative:
Higher

EVANSTON, CITY OF
1655 FOSTER
EVANSTON, IL 0

UST FINDER RELEASE **1028989148**
N/A

Click here for full text details

12
ENE
1/4-1/2
0.272 mi.
1437 ft.

Relative:
Higher

BRINNSP, LLC
2113 DEWEY AVENUE
EVANSTON, IL 60201

IL ENG CONTROLS **S113248883**
IL INST CONTROL **N/A**
IL SRP

Click here for full text details

IL ENG CONTROLS
Illinois Epa Id 0310815349

IL INST CONTROL
Illinois EPA Id 0310815349

IL SRP
IL EPA Id 0310815349

D13
ENE
1/4-1/2
0.283 mi.
1494 ft.

Relative:
Higher

GREENWALD, DORIS
2125 DEWEY AVE.
EVANSTON, IL 60201

IL LUST **S100757887**
N/A

Click here for full text details

IL LUST
Incident Num 932595
IL EPA Id 0310815154

D14
ENE
1/4-1/2
0.283 mi.
1494 ft.

Relative:
Higher

GREENWALD, DORIS
2125 DEWEY AVE.
EVANSTON, IL 0

UST FINDER RELEASE **1028989182**
N/A

Click here for full text details

E15
SE
1/4-1/2
0.295 mi.
1557 ft.

Relative:
Higher

U.S. POSTAL SERVICE
1700 EMERSON ST.
EVANSTON, IL 0

UST FINDER RELEASE **1028989129**
N/A

Click here for full text details

E16
SE
1/4-1/2
0.295 mi.
1557 ft.

Relative:
Higher

UNITED STATES POSTAL SERV-EVANSTON
1700 EMERSON
EVANSTON, IL 60201

RCRA-VSQG **1004478336**
IL LUST **ILD984804641**
IL SPILLS
FINDS
ECHO
E MANIFEST
IL AIRS

Click here for full text details

RCRA-VSQG
EPA Id ILD984804641

IL LUST
NFA/NFR Letter 2/14/1991
NFA/NFR Letter 1/22/2008
Incident Num 902933
Incident Num 891640
Incident Num 881480
IL EPA Id 0310815062

IL SPILLS
Incident ID NL881480
Incident ID NL891640

FINDS

UNITED STATES POSTAL SERV-EVANSTON (Continued) **1004478336**

Registry ID: 110001336830

ECHO
Registry ID 110001336830

IL AIRS
Facility Id 14831

E17
SE
1/4-1/2
0.296 mi.
1563 ft.

Relative:
Higher

ROBINSON BUS CO. **IL LUST** **S103292656**
EMERSON & DEWEY ST. **N/A**
EVANSTON, IL 60201

Click here for full text details

IL LUST
NFA/NFR Letter 7/21/1995
Incident Num 930489
IL EPA Id 0310813010

E18
SE
1/4-1/2
0.296 mi.
1563 ft.

Relative:
Higher

ROBINSON BUS CO. **UST FINDER RELEASE** **1028989116**
EMERSON & DEWEY ST. **N/A**
EVANSTON, IL 0

Click here for full text details

E19
SE
1/4-1/2
0.313 mi.
1655 ft.

Relative:
Higher

ROBINSON BUS SERVICE, INC. **IL LUST** **U000175103**
1622 EMERSON **IL UST** **N/A**
EVANSTON, IL 60202

Click here for full text details

IL LUST
NFA/NFR Letter 1/12/2001
Incident Num 960718
IL EPA Id 0310813010

IL UST
Status CLOSED
Facility Id 2012971
Tank Status Removed

E20
SE
1/4-1/2
0.313 mi.
1655 ft.

Relative:
Higher

ROBINSON BUS SERVICE
1622 EMERSON ST.
EVANSTON, IL 0

UST FINDER RELEASE

1028989117
N/A

Click here for full text details

F21
ESE
1/4-1/2
0.319 mi.
1683 ft.

Relative:
Higher

1600 FOSTER AVENUE
1600 FOSTER AVENUE
EVANSTON, IL 60201

US BROWNFIELDS
RCRA NonGen / NLR
FINDS
ECHO

1000243663
ILD005121207

Click here for full text details

RCRA NonGen / NLR
EPA Id ILD005121207

FINDS
Registry ID: 110005814146
Registry ID: 110055085090

ECHO
Registry ID 110005814146

F22
ESE
1/4-1/2
0.319 mi.
1683 ft.

Relative:
Higher

EMSQ, LLC
1600 FOSTER STREET
EVANSTON, IL 60204

IL LUST
IL SPILLS

S111888155
N/A

Click here for full text details

IL LUST
Incident Num 20121320
IL EPA Id 0310815028

IL SPILLS
Incident ID 19931693
Incident ID 20121320

F23
ESE
1/4-1/2
0.319 mi.
1683 ft.

Relative:
Higher

BISHOP FREEMAN
1600 FOSTER ST
EVANSTON, IL 60204

IL ENG CONTROLS
IL INST CONTROL
IL SRP
IL BROWNFIELDS
IL BOL

S110847983
N/A

Click here for full text details

IL ENG CONTROLS
Illinois Epa Id 0310815028

IL INST CONTROL
Illinois EPA Id 0310815028

BISHOP FREEMAN (Continued) **S110847983**

IL SRP
IL EPA Id 0310815028

IL BROWNFIELDS
IL EPA ID 0310815028

IL BOL
Site Id 170000210705
Inv Num 0310815028

G24
ENE
1/4-1/2
0.339 mi.
1789 ft.

Relative:
Higher

EVANSTON WEST CONGREGATION OF JEHOVAH WITNESSESS **IL LUST** **S105815411**
2128 ASHLAND AVE. **IL BOL** **N/A**
EVANSTON, IL 60201

Click here for full text details

IL LUST
NFA/NFR Letter 8/30/2012
Incident Num 901566
IL EPA Id 0310815083

IL BOL
Site Id 170000451213
Inv Num 0310815083

G25
ENE
1/4-1/2
0.339 mi.
1789 ft.

Relative:
Higher

EVANSTON WEST CONGREGATION OF JEHOVAH WITNESSESS **UST FINDER RELEASE** **1028989140**
2128 ASHLAND AVE. **N/A**
EVANSTON, IL 0

Click here for full text details

H26
ENE
1/4-1/2
0.341 mi.
1801 ft.

Relative:
Higher

ROBINSON BUS SERVICE, INC. **IL LUST** **S123575183**
1601 PAYNE STREET **IL BOL** **N/A**
EVANSTON, IL 60201

Click here for full text details

IL LUST
NFA/NFR Letter 4/28/1993
Incident Num 920533
IL EPA Id 0310813008

IL BOL
Site Id 170000290717

ROBINSON BUS SERVICE, INC. (Continued) **S123575183**

Inv Num 0310813008

27
ENE
1/4-1/2
0.347 mi.
1834 ft.

Relative:
Higher

NINE SEAS INVESTMENT, LLC **IL LUST** **S123207862**
2119-2125 ASHLAND AVENUE **N/A**
EVANSTON, IL 60201

Click here for full text details

IL LUST
Incident Num 20181212
IL EPA Id 0310815385

H28
ENE
1/4-1/2
0.355 mi.
1873 ft.

Relative:
Higher

ROBINSON BUS SERVICE **UST FINDER RELEASE** **1028989115**
2142 ASHLAND **N/A**
EVANSTON, IL 0

Click here for full text details

H29
ENE
1/4-1/2
0.359 mi.
1895 ft.

Relative:
Higher

LEINEWEBER, JOHN **UST FINDER RELEASE** **1028989194**
2144 ASHLAND **N/A**
EVANSTON, IL 0

Click here for full text details

H30
ENE
1/4-1/2
0.359 mi.
1895 ft.

Relative:
Higher

RENAISSANCE REALTY **IL LUST** **U003298431**
2144 ASHLAND **IL UST** **N/A**
EVANSTON, IL 60204 **IL BOL**

Click here for full text details

IL LUST
NFA/NFR Letter 4/9/1999
Incident Num 972281
IL EPA Id 0310815196

IL UST
Status EXEMPT
Facility Id 2036006
Tank Status Removed

IL BOL
Site Id 170000337008
Inv Num 0310815196

31
SSE
1/4-1/2
0.365 mi.
1927 ft.

Relative:
Higher

ONYX WASTE SERVICES
1710 LYON ST.
EVANSTON, IL 60201

IL LUST | **S106058415**
N/A

Click here for full text details

IL LUST
NFA/NFR Letter 9/8/2004
Incident Num 20031305
IL EPA Id 0310810003

I32
SE
1/4-1/2
0.384 mi.
2025 ft.

Relative:
Higher

POSITIVE CONNECTIONS - EVANSTON
1528 EMERSON STREET
EVANSTON, IL 60201

IL LUST
IL SPILLS
IL BOL
IL TIER 2 | **S109699787**
N/A

Click here for full text details

IL LUST
NFA/NFR Letter 11/16/2010
Incident Num 20090690
Incident Num 20090958
IL EPA Id 0310815042

IL SPILLS
Incident ID 20090690
Incident ID 20090958

IL BOL
Site Id 170000225165
Inv Num 0310815042

I33
SE
1/4-1/2
0.384 mi.
2025 ft.

Relative:
Higher

ROBINSON BUS SERVICE INC
1528 EMERSON
EVANSTON, IL 60201

IL LUST
RCRA NonGen / NLR
FINDS
ECHO | **1000258496**
ILD054330998

Click here for full text details

IL LUST
Incident Num 20000092
IL EPA Id 0310815042

RCRA NonGen / NLR
EPA Id ILD054330998

FINDS
Registry ID: 110005832171

ECHO
Registry ID 110005832171

I34
SE
1/4-1/2
0.384 mi.
2025 ft.

Relative:
Higher

ROBINSON RENTALS, INC.
1528 EMERSON STREET
EVANSTON, IL 0

Click here for full text details

UST FINDER RELEASE

1028989126
N/A

J35
SSE
1/4-1/2
0.395 mi.
2083 ft.

Relative:
Higher

ACTIVE SERVICE CORP.
1710 LYONS ST.
EVANSTON, IL 0

Click here for full text details

UST FINDER RELEASE

1028989112
N/A

J36
SSE
1/4-1/2
0.395 mi.
2083 ft.

Relative:
Higher

ACTIVE SERVICE CORP.
1710 LYONS ST.
EVANSTON, IL 60201

Click here for full text details

IL LUST
NFA/NFR Letter 12/2/1994
Incident Num 923691
Incident Num 20050658
IL EPA Id 0310810003
IL EPA Id 0310815280

IL SPILLS
Incident ID 20050658

IL LUST
IL SPILLS

S106878946
N/A

J37
SSE
1/4-1/2
0.395 mi.
2083 ft.

Relative:
Higher

ONYX WASTE SERVICES
1710 LYON ST.
EVANSTON, IL 0

Click here for full text details

UST FINDER RELEASE

1028989113
N/A

K38
SE
1/4-1/2
0.401 mi.
2116 ft.

Relative:
Higher

TAPECOAT COMPANY/ CHASE CORPORATION
1527 LYONS ST
EVANSTON, IL 60204

Click here for full text details

RCRA-VSQG
IL ENG CONTROLS
IL INST CONTROL
IL SRP
US AIRS
E MANIFEST
IL BOL
WI MANIFEST
IL TIER 2

1000201012
ILD005252796

RCRA-VSQG

TAPECOAT COMPANY/ CHASE CORPORATION (Continued) **1000201012**

EPA Id ILD005252796

IL ENG CONTROLS
Illinois Epa Id 0310815020

IL INST CONTROL
Illinois EPA Id 0310815020

IL SRP
IL EPA Id 0310815020

US AIRS
EPA plant ID: 110000432112

IL BOL
Site Id 170000020215
Inv Num 0310815020

WI MANIFEST
ACT Status A
FID 0
EPA ID ILD005252796

L39
NE
1/4-1/2
0.417 mi.
2200 ft.

Relative:
Higher

BP PRODUCTS # 5325, FORMER **IL LUST** **S101823667**
2216 GREEN BAY RD. **IL BOL** **N/A**
EVANSTON, IL 60201

Click here for full text details

IL LUST
Incident Num 952450
IL EPA Id 0310815181

IL BOL
Site Id 170000451712
Inv Num 0310815181

L40
NE
1/4-1/2
0.417 mi.
2200 ft.

Relative:
Higher

BP PRODUCTS # 5325, FORMER **IL LUST** **S111895151**
2216 GREENBAY RD. **IL SPILLS** **N/A**
EVANSTON, IL 60201

Click here for full text details

IL LUST
Incident Num 20012058
IL EPA Id 0310815181

IL SPILLS

BP PRODUCTS # 5325, FORMER (Continued) **S111895151**

Incident ID 19952450

L41
NE
1/4-1/2
0.417 mi.
2200 ft.

Relative:
Higher

BP PRODUCTS # 5325
2216 GREENBAY RD.
EVANSTON, IL 0

UST FINDER RELEASE

1028989190
N/A

Click here for full text details

K42
SE
1/4-1/2
0.420 mi.
2219 ft.

Relative:
Higher

TAPECOAT CO.
1523 LYONS ST.
EVANSTON, IL 60204

IL LUST

S103689078
N/A

Click here for full text details

IL LUST
Incident Num 960814
IL EPA Id 0310815020

43
SSE
1/4-1/2
0.433 mi.
2286 ft.

Relative:
Higher

VEOLIA ENVIRONMENTAL SERVICES
1712 CHURCH ST
EVANSTON, IL 60201

IL LUST
IL SPILLS
IL BOL
IL TIER 2

S110157002
N/A

Click here for full text details

IL LUST
Incident Num 20210983
IL EPA Id 0310815013

IL SPILLS
Incident ID 20210983

IL BOL
Site Id 170000221196
Inv Num 0310815013

M44
SSE
1/4-1/2
0.451 mi.
2380 ft.

Relative:
Higher

SCHEIN, DON
1823 CHURCH ST.
EVANSTON, IL 0

UST FINDER RELEASE

1028989204
N/A

Click here for full text details

M45
SSE
1/4-1/2
0.451 mi.
2380 ft.

Relative:
Higher

SCHEIN, DON
1823 CHURCH ST
EVANSTON, IL 60201

IL LUST **S104792786**
IL BOL **N/A**

Click here for full text details

IL LUST
NFA/NFR Letter 3/8/2001
Incident Num 20001615
IL EPA Id 0310815231

IL BOL
Site Id 170000452034
Inv Num 0310815231

M46
SSE
1/4-1/2
0.454 mi.
2399 ft.

Relative:
Higher

E-TOWN COMMUNITY VENTURES, LLC
1801-1805 CHURCH STREET
EVANSTON, IL 0

UST FINDER RELEASE **1028989236**
N/A

Click here for full text details

M47
SSE
1/4-1/2
0.454 mi.
2399 ft.

Relative:
Higher

E-TOWN COMMUNITY VENTURES, LLC
1801-1805 CHURCH STREET
EVANSTON, IL 60102

IL LUST **S118194012**
IL ENG CONTROLS **N/A**
IL INST CONTROL
IL SRP
IL SPILLS

Click here for full text details

IL LUST
Incident Num 20150678
IL EPA Id 0310815369

IL ENG CONTROLS
Illinois Epa Id 0310815369

IL INST CONTROL
Illinois EPA Id 0310815369

IL SRP
IL EPA Id 0310815369

IL SPILLS
Incident ID 20150678

48
SE
1/4-1/2
0.462 mi.
2441 ft.

Relative:
Higher

TAPECOAT CO INC
1520 LYONS ST
EVANSTON, IL 60201

IL ENG CONTROLS 1008134317
IL INST CONTROL N/A
IL SRP
IL AIRS
IL BOL

Click here for full text details

IL ENG CONTROLS
Illinois Epa Id 0310815256

IL INST CONTROL
Illinois EPA Id 0310815256

IL SRP
IL EPA Id 0310815256

IL AIRS
Facility Id 1291

IL BOL
Site Id 170000020215
Inv Num 0310815256

49
SE
1/4-1/2
0.482 mi.
2543 ft.

Relative:
Higher

CSE 1611, LLC
1611 CHURCH STREET
EVANSTON, IL 60201

IL LUST S128633191
IL SPILLS N/A

Click here for full text details

IL LUST
Incident Num 20220161
IL EPA Id 0310815397

IL SPILLS
Incident ID 20220161

50
SSE
1/4-1/2
0.494 mi.
2606 ft.

Relative:
Higher

CYRUS HOMES INC
1613 CHURCH STREET
EVANSTON, IL 60201

IL SRP S113257688
IL BOL N/A

Click here for full text details

IL SRP
IL EPA Id 0310815294

IL BOL
Site Id 170001707945
Inv Num 0310815294

N51
SE
1/4-1/2
0.496 mi.
2621 ft.

Relative:
Higher

JOHN J. CAHILL INC.
1515 CHURCH ST.
EVANSTON, IL 60204

Click here for full text details

IL LUST
NFA/NFR Letter 1/15/1993
Incident Num 920776
IL EPA Id 0310815118

IL LUST **S100530992**
N/A

N52
SE
1/4-1/2
0.496 mi.
2621 ft.

Relative:
Higher

JOHN J CAHILL INC
1515 CHURCH ST
EVANSTON, IL 60201

Click here for full text details

UST FINDER **1028311073**
UST FINDER RELEASE **N/A**

53
SE
1/2-1
0.576 mi.
3041 ft.

Relative:
Higher

NORTHWESTERN UNIVERSITY CWM SITE
EVANSTON, IL

Click here for full text details

FUDS **1024900182**
N/A

54
ESE
1/2-1
0.906 mi.
4783 ft.

Relative:
Higher

NORTH WESTERN GAS WORKS
918 UNIVERSITY PLACE
EVANSTON, IL 60201

Click here for full text details

EDR MGP **1008407372**
N/A

55
ESE
1/2-1
0.929 mi.
4907 ft.

Relative:
Higher

NORTHWESTERN GAS, LIGHT AND COKE
912 CLARK STREET
EVANSTON, IL 60201

Click here for full text details

EDR MGP **1008407373**
N/A

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

St	Acronym	Full Name	Government Agency	Gov Date	Arvl. Date	Active Date
IL	AIRS	Air Inventory Listing	Illinois EPA	07/01/2024	07/02/2024	09/25/2024
IL	ASBESTOS	Asbestos Notification Tracker Information	Illinois EPA	06/21/2024	06/26/2024	09/16/2024
IL	AST	Above Ground Storage Tanks	State Fire Marshal	08/08/2024	08/13/2024	10/29/2024
IL	BOL	Bureau of Land Inventory Database	Illinois Environmental Protection Agency	10/16/2023	04/23/2024	07/16/2024
IL	BROWNFIELDS	Redevelopment Assessment Database	Illinois Environmental Protection Agency	07/15/2024	07/16/2024	09/27/2024
IL	BROWNFIELDS	Municipal Brownfields Redevelopment Grant Program Project De	Illinois Environmental Protection Agency	02/11/2010	07/31/2014	09/08/2014
IL	CCDD	Clean Construction or Demolition Debris	Illinois EPA	03/28/2024	07/02/2024	09/24/2024
IL	CDL	Meth Drug Lab Site Listing	Department of Public Health	07/05/2024	07/08/2024	09/27/2024
IL	COAL ASH	Coal Ash Site Listing	Illinois EPA	10/01/2011	03/09/2012	04/10/2012
IL	DRYCLEANERS	Illinois Licensed Drycleaners	Drycleaner Environmental Response Trust Fund	07/02/2024	08/12/2024	10/29/2024
IL	ENG CONTROLS	Sites with Engineering Controls	Illinois Environmental Protection Agency	06/24/2024	06/25/2024	09/13/2024
IL	FIN ASSURANCE	Financial Assurance Information Listing	Illinois Environmental Protection Agency	08/28/2024	09/12/2024	11/25/2024
IL	HWAR	Hazard Waste Annual Report	Illinois EPA	12/31/2019	05/11/2021	08/02/2021
IL	IEMA SPILLS	Illinois Emergency Management Agency Spills	Illinois Emergency Management Agency	07/22/2024	07/23/2024	10/11/2024
IL	IL NIPC	Solid Waste Landfill Inventory	Northeastern Illinois Planning Commission	08/01/1988	04/07/2022	07/01/2022
IL	IMPDMENT	Surface Impoundment Inventory	Illinois Waste Management & Research Center	12/31/1980	03/08/2002	06/03/2002
IL	Inst Control	Institutional Controls	Illinois Environmental Protection Agency	06/24/2024	06/25/2024	09/13/2024
IL	LF SPECIAL WASTE	Special Waste Site List	Illinois EPA	01/01/1990	06/17/2009	07/15/2009
IL	LF WMRC	Waste Management & Research Center Landfill Database	Department of Natural Resources	12/31/2001	10/06/2006	11/06/2006
IL	LUST	Leaking Underground Storage Tank Sites	Illinois Environmental Protection Agency	07/15/2024	07/16/2024	09/27/2024
IL	LUST TRUST	Underground Storage Tank Fund Payment Priority List	Illinois EPA	06/06/2016	07/27/2016	10/18/2016
IL	NPDES	A Listing of Active Permits	Illinois EPA	04/16/2014	04/18/2014	05/20/2014
IL	PFAS	PFAS Sampling Listing	Illinois Environmental Protection Agency	12/15/2023	12/27/2023	12/29/2023
IL	PIMW	Potentially Infectious Medical Waste	Illinois EPA	09/09/2024	09/11/2024	11/19/2024
IL	RGA HWS	Recovered Government Archive State Hazardous Waste Facilitie	Department of Natural Resources		07/01/2013	12/30/2013
IL	RGA LF	Recovered Government Archive Solid Waste Facilities List	Illinois Environmental Protection Agency		07/01/2013	01/10/2014
IL	RGA LUST	Recovered Government Archive Leaking Underground Storage Tan	Illinois Environmental Protection Agency		07/01/2013	12/30/2013
IL	SPILLS	State spills	Illinois EPA	05/06/2024	07/02/2024	09/24/2024
IL	SPILLS 90	SPILLS90 data from FirstSearch	FirstSearch	07/18/2012	01/03/2013	03/15/2013
IL	SRP	Site Remediation Program Database	Illinois Environmental Protection Agency	06/24/2024	06/25/2024	09/13/2024
IL	SSU	State Sites Unit Listing	Illinois Environmental Protection Agency	01/31/2024	01/31/2024	02/13/2024
IL	SWF/LF	Available Disposal for Solid Waste in Illinois - Solid Waste	Illinois Environmental Protection Agency	12/31/2022	10/17/2023	01/08/2024
IL	TIER 2	Tier 2 Information Listing	Illinois Emergency Management Agency	12/31/2023	05/07/2024	08/01/2024
IL	UIC	Underground Injection Wells	Illinois EPA	02/15/2024	05/22/2024	08/19/2024
IL	UST	Underground Storage Tank Facility List	Illinois State Fire Marshal	07/15/2024	07/16/2024	09/27/2024
US	2020 COR ACTION	2020 Corrective Action Program List	Environmental Protection Agency	09/30/2017	05/08/2018	07/20/2018
US	ABANDONED MINES	Abandoned Mines	Department of Interior	09/10/2024	09/11/2024	11/19/2024
US	AQUEOUS FOAM NRC	Aqueous Foam Related Incidents Listing	Environmental Protection Agency	07/01/2024	07/01/2024	07/12/2024
US	BIOSOLIDS	ICIS-NPDES Biosolids Facility Data	Environmental Protection Agency	10/13/2024	10/16/2024	10/23/2024
US	BRS	Biennial Reporting System	EPA/NTIS	12/31/2021	03/09/2023	03/20/2023
US	COAL ASH DOE	Steam-Electric Plant Operation Data	Department of Energy	12/31/2022	11/27/2023	02/22/2024
US	COAL ASH EPA	Coal Combustion Residues Surface Impoundments List	Environmental Protection Agency	01/12/2017	03/05/2019	11/11/2019
US	CONSENT	Superfund (CERCLA) Consent Decrees	Department of Justice, Consent Decree Library	06/30/2024	07/08/2024	09/26/2024
US	CORRACTS	Corrective Action Report	EPA	06/03/2024	06/07/2024	06/20/2024
US	DEBRIS REGION 9	Torres Martinez Reservation Illegal Dump Site Locations	EPA, Region 9	01/12/2009	05/07/2009	09/21/2009
US	DOCKET HWC	Hazardous Waste Compliance Docket Listing	Environmental Protection Agency	05/06/2021	05/21/2021	08/11/2021
US	DOD	Department of Defense Sites	USGS	06/07/2021	07/13/2021	03/09/2022

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

St	Acronym	Full Name	Government Agency	Gov Date	Arvl. Date	Active Date
US	DOT OPS	Incident and Accident Data	Department of Transporation, Office of Pipeli	01/02/2020	01/28/2020	04/17/2020
US	Delisted NPL	National Priority List Deletions	EPA	09/25/2024	10/01/2024	10/23/2024
US	E MANIFEST	Hazardous Waste Electronic Manifest System	Environmental Protection Agency	07/24/2023	04/18/2024	06/06/2024
US	ECHO	Enforcement & Compliance History Information	Environmental Protection Agency	06/23/2024	06/28/2024	07/12/2024
US	EDR Hist Auto	EDR Exclusive Historical Auto Stations	EDR, Inc.			
US	EDR Hist Cleaner	EDR Exclusive Historical Cleaners	EDR, Inc.			
US	EDR MGP	EDR Proprietary Manufactured Gas Plants	EDR, Inc.			
US	EPA WATCH LIST	EPA Watch List	Environmental Protection Agency	08/30/2013	03/21/2014	06/17/2014
US	ERNS	Emergency Response Notification System	National Response Center, United States Coast	06/11/2024	06/17/2024	09/04/2024
US	FEDERAL FACILITY	Federal Facility Site Information listing	Environmental Protection Agency	06/07/2024	06/25/2024	09/19/2024
US	FEDLAND	Federal and Indian Lands	U.S. Geological Survey	04/02/2018	04/11/2018	11/06/2019
US	FEMA UST	Underground Storage Tank Listing	FEMA	03/15/2024	03/19/2024	06/17/2024
US	FINDS	Facility Index System/Facility Registry System	EPA	08/13/2024	08/20/2024	08/28/2024
US	FTTS	FIFRA/ TSCA Tracking System - FIFRA (Federal Insecticide, Fu	EPA/Office of Prevention, Pesticides and Toxi	04/09/2009	04/16/2009	05/11/2009
US	FTTS INSP	FIFRA/ TSCA Tracking System - FIFRA (Federal Insecticide, Fu	EPA	04/09/2009	04/16/2009	05/11/2009
US	FUDS	Formerly Used Defense Sites	U.S. Army Corps of Engineers	07/31/2024	08/12/2024	10/09/2024
US	FUELS PROGRAM	EPA Fuels Program Registered Listing	EPA	08/13/2024	08/13/2024	10/09/2024
US	FUSRAP	Formerly Utilized Sites Remedial Action Program	Department of Energy	03/03/2023	03/03/2023	06/09/2023
US	HIST FTTS	FIFRA/TSCA Tracking System Administrative Case Listing	Environmental Protection Agency	10/19/2006	03/01/2007	04/10/2007
US	HIST FTTS INSP	FIFRA/TSCA Tracking System Inspection & Enforcement Case Lis	Environmental Protection Agency	10/19/2006	03/01/2007	04/10/2007
US	HMIRS	Hazardous Materials Information Reporting System	U.S. Department of Transportation	06/14/2024	06/17/2024	06/24/2024
US	ICIS	Integrated Compliance Information System	Environmental Protection Agency	11/18/2016	11/23/2016	02/10/2017
US	IHS OPEN DUMPS	Open Dumps on Indian Land	Department of Health & Human Serivces, Indian	02/07/2024	11/13/2024	11/19/2024
US	INDIAN LUST R1	Leaking Underground Storage Tanks on Indian Land	EPA Region 1	05/07/2024	05/30/2024	08/28/2024
US	INDIAN LUST R10	Leaking Underground Storage Tanks on Indian Land	EPA Region 10	05/07/2024	05/30/2024	08/28/2024
US	INDIAN LUST R4	Leaking Underground Storage Tanks on Indian Land	EPA Region 4	05/07/2024	05/30/2024	08/28/2024
US	INDIAN LUST R5	Leaking Underground Storage Tanks on Indian Land	EPA, Region 5	04/11/2024	05/30/2024	08/28/2024
US	INDIAN LUST R6	Leaking Underground Storage Tanks on Indian Land	EPA Region 6	05/07/2024	05/30/2024	08/28/2024
US	INDIAN LUST R7	Leaking Underground Storage Tanks on Indian Land	EPA Region 7	05/07/2024	05/30/2024	08/28/2024
US	INDIAN LUST R8	Leaking Underground Storage Tanks on Indian Land	EPA Region 8	05/07/2024	05/30/2024	08/28/2024
US	INDIAN LUST R9	Leaking Underground Storage Tanks on Indian Land	Environmental Protection Agency	05/07/2024	05/30/2024	08/28/2024
US	INDIAN ODI	Report on the Status of Open Dumps on Indian Lands	Environmental Protection Agency	12/31/1998	12/03/2007	01/24/2008
US	INDIAN RESERV	Indian Reservations	USGS	12/31/2014	07/14/2015	01/10/2017
US	INDIAN UST R1	Underground Storage Tanks on Indian Land	EPA, Region 1	05/14/2024	05/30/2024	08/28/2024
US	INDIAN UST R10	Underground Storage Tanks on Indian Land	EPA Region 10	05/14/2024	05/30/2024	08/28/2024
US	INDIAN UST R4	Underground Storage Tanks on Indian Land	EPA Region 4	05/14/2024	05/30/2024	08/28/2024
US	INDIAN UST R5	Underground Storage Tanks on Indian Land	EPA Region 5	04/11/2024	05/30/2024	08/28/2024
US	INDIAN UST R6	Underground Storage Tanks on Indian Land	EPA Region 6	05/14/2024	05/30/2024	08/28/2024
US	INDIAN UST R7	Underground Storage Tanks on Indian Land	EPA Region 7	05/14/2024	05/30/2024	08/28/2024
US	INDIAN UST R8	Underground Storage Tanks on Indian Land	EPA Region 8	05/14/2024	05/30/2024	08/28/2024
US	INDIAN UST R9	Underground Storage Tanks on Indian Land	EPA Region 9	05/14/2024	05/30/2024	08/28/2024
US	INDIAN VCP R1	Voluntary Cleanup Priority Listing	EPA, Region 1	07/27/2015	09/29/2015	02/18/2016
US	INDIAN VCP R7	Voluntary Cleanup Priority Lisitng	EPA, Region 7	03/20/2008	04/22/2008	05/19/2008
US	LEAD SMELTER 1	Lead Smelter Sites	Environmental Protection Agency	09/25/2024	10/01/2024	10/23/2024
US	LEAD SMELTER 2	Lead Smelter Sites	American Journal of Public Health	04/05/2001	10/27/2010	12/02/2010
US	LIENS 2	CERCLA Lien Information	Environmental Protection Agency	09/25/2024	10/01/2024	10/23/2024
US	LUCIS	Land Use Control Information System	Department of the Navy	07/15/2024	07/17/2024	10/09/2024

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

St	Acronym	Full Name	Government Agency	Gov Date	Arvl. Date	Active Date
US	MINES MRDS	Mineral Resources Data System	USGS	08/23/2022	11/22/2022	02/28/2023
US	MINES VIOLATIONS	MSHA Violation Assessment Data	DOL, Mine Safety & Health Admi	10/01/2024	10/02/2024	10/09/2024
US	MLTS	Material Licensing Tracking System	Nuclear Regulatory Commission	10/12/2024	10/17/2024	11/19/2024
US	NPL	National Priority List	EPA	09/25/2024	10/01/2024	10/23/2024
US	NPL LIENS	Federal Superfund Liens	EPA	10/15/1991	02/02/1994	03/30/1994
US	ODI	Open Dump Inventory	Environmental Protection Agency	06/30/1985	08/09/2004	09/17/2004
US	PADS	PCB Activity Database System	EPA	05/23/2024	07/02/2024	09/26/2024
US	PCB TRANSFORMER	PCB Transformer Registration Database	Environmental Protection Agency	09/13/2019	11/06/2019	02/10/2020
US	PCS	Permit Compliance System	EPA, Office of Water	12/16/2016	01/06/2017	03/10/2017
US	PCS ENF	Enforcement data	EPA	12/31/2014	02/05/2015	03/06/2015
US	PFAS ATSDR	PFAS Contamination Site Location Listing	Department of Health & Human Services	06/24/2020	03/17/2021	11/08/2022
US	PFAS ECHO	Facilities in Industries that May Be Handling PFAS Listing	Environmental Protection Agency	07/01/2024	07/01/2024	07/12/2024
US	PFAS ECHO FIRE TRAIN	Facilities in Industries that May Be Handling PFAS Listing	Environmental Protection Agency	07/01/2024	07/01/2024	07/12/2024
US	PFAS FEDERAL SITES	Federal Sites PFAS Information	Environmental Protection Agency	07/01/2024	07/01/2024	07/12/2024
US	PFAS NPDES	Clean Water Act Discharge Monitoring Information	Environmental Protection Agency	07/01/2024	07/01/2024	07/12/2024
US	PFAS NPL	Superfund Sites with PFAS Detections Information	Environmental Protection Agency	07/01/2024	07/01/2024	07/12/2024
US	PFAS PROJECT	NORTHEASTERN UNIVERSITY PFAS PROJECT	Social Science Environmental Health Research	05/19/2023	04/05/2024	06/06/2024
US	PFAS PT 139 AIRPORT	All Certified Part 139 Airports PFAS Information Listing	Environmental Protection Agency	07/01/2024	07/01/2024	07/12/2024
US	PFAS RCRA MANIFEST	PFAS Transfers Identified In the RCRA Database Listing	Environmental Protection Agency	07/01/2024	07/01/2024	07/12/2024
US	PFAS TRIS	List of PFAS Added to the TRI	Environmental Protection Agency	07/01/2024	07/01/2024	07/12/2024
US	PFAS TSCA	PFAS Manufacture and Imports Information	Environmental Protection Agency	07/01/2024	07/01/2024	07/12/2024
US	PFAS WQP	Ambient Environmental Sampling for PFAS	Environmental Protection Agency	07/01/2024	07/01/2024	07/12/2024
US	PRP	Potentially Responsible Parties	EPA	09/19/2023	10/03/2023	10/19/2023
US	Proposed NPL	Proposed National Priority List Sites	EPA	09/25/2024	10/01/2024	10/23/2024
US	RAATS	RCRA Administrative Action Tracking System	EPA	04/17/1995	07/03/1995	08/07/1995
US	RADINFO	Radiation Information Database	Environmental Protection Agency	07/01/2019	07/01/2019	09/23/2019
US	RCRA NonGen / NLR	RCRA - Non Generators / No Longer Regulated	Environmental Protection Agency	06/03/2024	06/07/2024	06/20/2024
US	RCRA-LQG	RCRA - Large Quantity Generators	Environmental Protection Agency	06/03/2024	06/07/2024	06/20/2024
US	RCRA-SQG	RCRA - Small Quantity Generators	Environmental Protection Agency	06/03/2024	06/07/2024	06/20/2024
US	RCRA-TSDF	RCRA - Treatment, Storage and Disposal	Environmental Protection Agency	06/03/2024	06/07/2024	06/20/2024
US	RCRA-VSQG	RCRA - Very Small Quantity Generators (Formerly Conditionall	Environmental Protection Agency	06/03/2024	06/07/2024	06/20/2024
US	RMP	Risk Management Plans	Environmental Protection Agency	07/12/2024	07/17/2024	10/09/2024
US	ROD	Records Of Decision	EPA	10/24/2024	11/01/2024	11/19/2024
US	SCRD DRYCLEANERS	State Coalition for Remediation of Drycleaners Listing	Environmental Protection Agency	07/30/2021	02/03/2023	02/10/2023
US	SEMS	Superfund Enterprise Management System	EPA	09/25/2024	10/01/2024	10/23/2024
US	SEMS-ARCHIVE	Superfund Enterprise Management System Archive	EPA	09/25/2024	10/01/2024	10/23/2024
US	SSTS	Section 7 Tracking Systems	EPA	07/11/2024	07/11/2024	07/12/2024
US	TRIS	Toxic Chemical Release Inventory System	EPA	12/31/2022	11/13/2023	02/07/2024
US	TSCA	Toxic Substances Control Act	EPA	12/31/2020	06/14/2022	03/24/2023
US	UMTRA	Uranium Mill Tailings Sites	Department of Energy	05/08/2024	08/14/2024	08/28/2024
US	US AIRS (AFS)	Aerometric Information Retrieval System Facility Subsystem (	EPA	10/12/2016	10/26/2016	02/03/2017
US	US AIRS MINOR	Air Facility System Data	EPA	10/12/2016	10/26/2016	02/03/2017
US	US BROWNFIELDS	A Listing of Brownfields Sites	Environmental Protection Agency	06/10/2024	06/11/2024	09/04/2024
US	US CDL	Clandestine Drug Labs	Drug Enforcement Administration	05/20/2024	08/19/2024	10/09/2024
US	US ENG CONTROLS	Engineering Controls Sites List	Environmental Protection Agency	07/24/2024	08/08/2024	08/15/2024
US	US FIN ASSUR	Financial Assurance Information	Environmental Protection Agency	06/10/2024	06/17/2024	09/04/2024
US	US HIST CDL	National Clandestine Laboratory Register	Drug Enforcement Administration	05/20/2024	08/19/2024	10/09/2024

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

St	Acronym	Full Name	Government Agency	Gov Date	Arvl. Date	Active Date
US	US INST CONTROLS	Institutional Controls Sites List	Environmental Protection Agency	07/24/2024	08/08/2024	08/15/2024
US	US MINES	Mines Master Index File	Department of Labor, Mine Safety and Health A	08/06/2024	08/14/2024	08/15/2024
US	US MINES 2	Ferrous and Nonferrous Metal Mines Database Listing	USGS	05/02/2024	08/20/2024	10/09/2024
US	US MINES 3	Active Mines & Mineral Plants Database Listing	USGS	04/14/2011	06/08/2011	09/13/2011
US	UST FINDER	UST Finder Database	Environmental Protection Agency	06/08/2023	10/04/2023	01/18/2024
US	UST FINDER RELEASE	UST Finder Releases Database	Environmental Protecton Agency	06/08/2023	10/31/2023	01/18/2024
US	UXO	Unexploded Ordnance Sites	Department of Defense	09/06/2023	09/13/2023	12/11/2023
CT	CT MANIFEST	Hazardous Waste Manifest Data	Department of Energy & Environmental Protecti	08/05/2024	08/06/2024	10/25/2024
NJ	NJ MANIFEST	Manifest Information	Department of Environmental Protection	12/31/2018	04/10/2019	05/16/2019
NY	NY MANIFEST	Facility and Manifest Data	Department of Environmental Conservation	12/31/2019	11/30/2023	12/01/2023
PA	PA MANIFEST	Manifest Information	Department of Environmental Protection	06/30/2018	07/19/2019	09/10/2019
RI	RI MANIFEST	Manifest information	Department of Environmental Management	12/31/2020	11/30/2021	02/18/2022
WI	WI MANIFEST	Manifest Information	Department of Natural Resources	05/31/2018	06/19/2019	09/03/2019
US	AHA Hospitals	Sensitive Receptor: AHA Hospitals	American Hospital Association, Inc.			
US	Medical Centers	Sensitive Receptor: Medical Centers	Centers for Medicare & Medicaid Services			
US	Nursing Homes	Sensitive Receptor: Nursing Homes	National Institutes of Health			
US	Public Schools	Sensitive Receptor: Public Schools	National Center for Education Statistics			
US	Private Schools	Sensitive Receptor: Private Schools	National Center for Education Statistics			
IL	Daycare Centers	Sensitive Receptor: Homes & Centers Listing	Department of Children & Family Services			
US	Flood Zones	100-year and 500-year flood zones	Emergency Management Agency (FEMA)			
US	NWI	National Wetlands Inventory	U.S. Fish and Wildlife Service			
IL	State Wetlands	Wetland Inventory	Illinois State Geological Survey			
US	Topographic Map		U.S. Geological Survey			
US	Oil/Gas Pipelines		Endeavor Business Media			
US	Electric Power Transmission Line Data		Endeavor Business Media			

STREET AND ADDRESS INFORMATION

© 2015 TomTom North America, Inc. All rights reserved. This material is proprietary and the subject of copyright protection and other intellectual property rights owned by or licensed to Tele Atlas North America, Inc. The use of this material is subject to the terms of a license agreement. You will be held liable for any unauthorized copying or disclosure of this material.

GEOCHECK ®- PHYSICAL SETTING SOURCE ADDENDUM

TARGET PROPERTY ADDRESS

9826-G BROWN FROM FOSTER TO SIMPSON
BROWN AND FOSTER
EVANSTON, IL 60201

TARGET PROPERTY COORDINATES

Latitude (North):	42.054729 - 42° 3' 17.02''
Longitude (West):	87.700403 - 87° 42' 1.45''
Universal Tranverse Mercator:	Zone 16
UTM X (Meters):	442042.3
UTM Y (Meters):	4655876.5
Elevation:	596 ft. above sea level

USGS TOPOGRAPHIC MAP

Target Property Map:	24185589 EVANSTON, IL
Version Date:	2021

EDR's GeoCheck Physical Setting Source Addendum is provided to assist the environmental professional in forming an opinion about the impact of potential contaminant migration.

Assessment of the impact of contaminant migration generally has two principle investigative components:

1. Groundwater flow direction, and
2. Groundwater flow velocity.

Groundwater flow direction may be impacted by surface topography, hydrology, hydrogeology, characteristics of the soil, and nearby wells. Groundwater flow velocity is generally impacted by the nature of the geologic strata.

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

GROUNDWATER FLOW DIRECTION INFORMATION

Groundwater flow direction for a particular site is best determined by a qualified environmental professional using site-specific well data. If such data is not reasonably ascertainable, it may be necessary to rely on other sources of information, such as surface topographic information, hydrologic information, hydrogeologic data collected on nearby properties, and regional groundwater flow information (from deep aquifers).

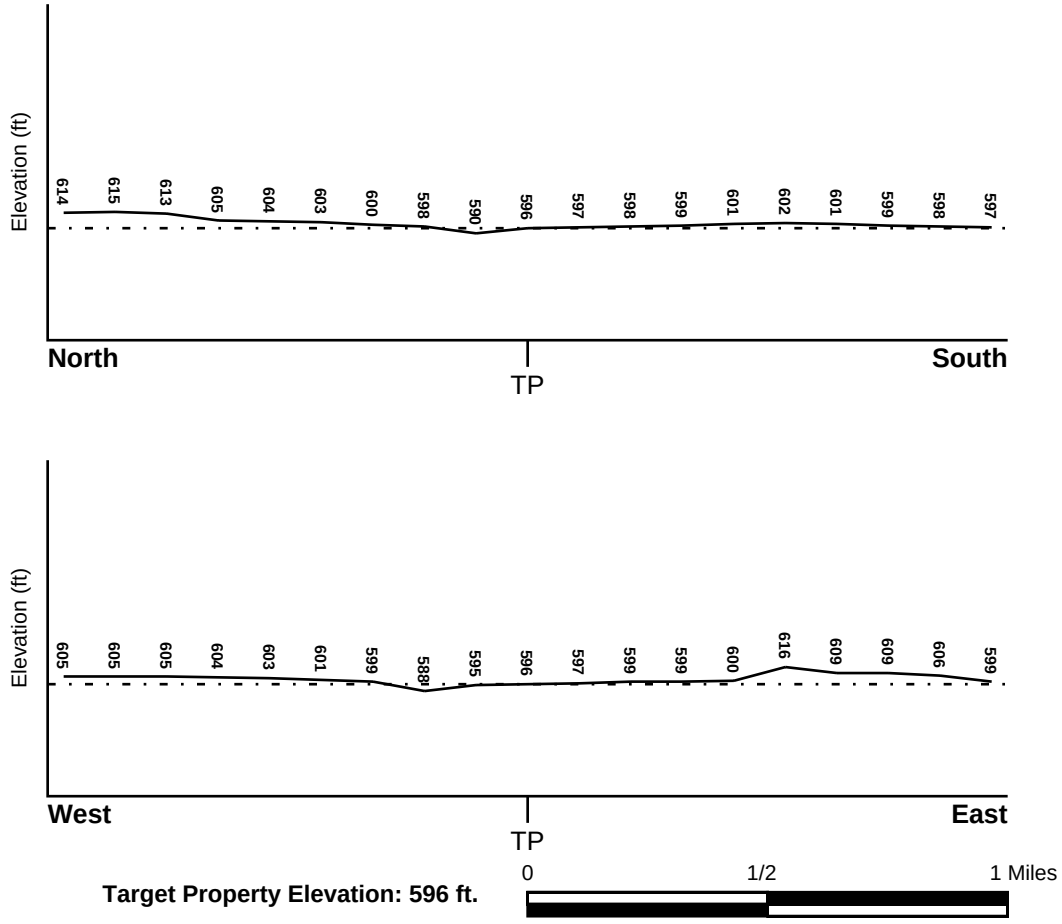
TOPOGRAPHIC INFORMATION

Surface topography may be indicative of the direction of surficial groundwater flow. This information can be used to assist the environmental professional in forming an opinion about the impact of nearby contaminated properties or, should contamination exist on the target property, what downgradient sites might be impacted.

TARGET PROPERTY TOPOGRAPHY

General Topographic Gradient: General West

SURROUNDING TOPOGRAPHY: ELEVATION PROFILES



Source: Topography has been determined from the USGS 7.5' Digital Elevation Model and should be evaluated on a relative (not an absolute) basis. Relative elevation information between sites of close proximity should be field verified.

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

HYDROLOGIC INFORMATION

Surface water can act as a hydrologic barrier to groundwater flow. Such hydrologic information can be used to assist the environmental professional in forming an opinion about the impact of nearby contaminated properties or, should contamination exist on the target property, what downgradient sites might be impacted.

Refer to the Physical Setting Source Map following this summary for hydrologic information (major waterways and bodies of water).

FEMA FLOOD ZONE

Flood Plain Panel at Target Property	FEMA Source Type
17031C0265J	FEMA FIRM Flood data

Additional Panels in search area:	FEMA Source Type
17031C0255J	FEMA FIRM Flood data
17031C0260J	FEMA FIRM Flood data
17031C0270J	FEMA FIRM Flood data

NATIONAL WETLAND INVENTORY

NWI Quad at Target Property	NWI Electronic Data Coverage
EVANSTON	YES - refer to the Overview Map and Detail Map

HYDROGEOLOGIC INFORMATION

Hydrogeologic information obtained by installation of wells on a specific site can often be an indicator of groundwater flow direction in the immediate area. Such hydrogeologic information can be used to assist the environmental professional in forming an opinion about the impact of nearby contaminated properties or, should contamination exist on the target property, what downgradient sites might be impacted.

Site-Specific Hydrogeological Data*:

Search Radius:	1.25 miles
Status:	Not found

AQUIFLOW®

Search Radius: 1.000 Mile.

EDR has developed the AQUIFLOW Information System to provide data on the general direction of groundwater flow at specific points. EDR has reviewed reports submitted by environmental professionals to regulatory authorities at select sites and has extracted the date of the report, groundwater flow direction as determined hydrogeologically, and the depth to water table.

MAP ID	LOCATION FROM TP	GENERAL DIRECTION GROUNDWATER FLOW
I40	1/2 - 1 Mile WSW	Not Reported
42	1/2 - 1 Mile ESE	Not Reported
73	1/2 - 1 Mile South	NW
96	1/2 - 1 Mile East	E
99	1/2 - 1 Mile South	SE
1G	1/2 - 1 Mile ESE	Not Reported

* ©1996 Site−specific hydrogeological data gathered by CERCLIS Alerts, Inc., Bainbridge Island, WA. All rights reserved. All of the information and opinions presented are those of the cited EPA report(s), which were completed under a Comprehensive Environmental Response Compensation and Liability Information System (CERCLIS) investigation.

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

MAP ID	LOCATION FROM TP	GENERAL DIRECTION GROUNDWATER FLOW
2G	1/2 - 1 Mile East	E
3G	1/2 - 1 Mile WSW	Not Reported
4G	1/2 - 1 Mile South	NW
5G	1/2 - 1 Mile South	SE

For additional site information, refer to Physical Setting Source Map Findings.

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

GROUNDWATER FLOW VELOCITY INFORMATION

Groundwater flow velocity information for a particular site is best determined by a qualified environmental professional using site specific geologic and soil strata data. If such data are not reasonably ascertainable, it may be necessary to rely on other sources of information, including geologic age identification, rock stratigraphic unit and soil characteristics data collected on nearby properties and regional soil information. In general, contaminant plumes move more quickly through sandy-gravelly types of soils than silty-clayey types of soils.

GEOLOGIC INFORMATION IN GENERAL AREA OF TARGET PROPERTY

Geologic information can be used by the environmental professional in forming an opinion about the relative speed at which contaminant migration may be occurring.

ROCK STRATIGRAPHIC UNIT

Era:	Paleozoic
System:	Silurian
Series:	Middle Silurian (Niagoaran)
Code:	S2 *(decoded above as Era, System & Series)*

GEOLOGIC AGE IDENTIFICATION

Category: Stratifed Sequence

Geologic Age and Rock Stratigraphic Unit Source: P.G. Schruben, R.E. Arndt and W.J. Bawiec, Geology of the Conterminous U.S. at 1:2,500,000 Scale - a digital representation of the 1974 P.B. King and H.M. Beikman Map, USGS Digital Data Series DDS - 11 (1994).

DOMINANT SOIL COMPOSITION IN GENERAL AREA OF TARGET PROPERTY

The U.S. Department of Agriculture's (USDA) Soil Conservation Service (SCS) leads the National Cooperative Soil Survey (NCSS) and is responsible for collecting, storing, maintaining and distributing soil survey information for privately owned lands in the United States. A soil map in a soil survey is a representation of soil patterns in a landscape. Soil maps for STATSGO are compiled by generalizing more detailed (SSURGO) soil survey maps. The following information is based on Soil Conservation Service STATSGO data.

Soil Component Name: URBANLAND

Soil Surface Texture: variable

Hydrologic Group: Not reported

Soil Drainage Class: Not reported

Hydric Status: Soil does not meet the requirements for a hydric soil.

Corrosion Potential - Uncoated Steel: Not Reported

Depth to Bedrock Min: > 0 inches

Depth to Bedrock Max: > 0 inches

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

Soil Layer Information							
	Boundary			Classification			
Layer	Upper	Lower	Soil Texture Class	AASHTO Group	Unified Soil	Permeability Rate (in/hr)	Soil Reaction (pH)
1	0 inches	60 inches	variable	Not reported	Not reported	Max: 0.00 Min: 0.00	Max: 0.00 Min: 0.00

OTHER SOIL TYPES IN AREA

Based on Soil Conservation Service STATSGO data, the following additional subordinant soil types may appear within the general area of target property.

Soil Surface Textures: silt loam
fine sandy loam
loam
fine sand

Surficial Soil Types: silt loam
fine sandy loam
loam
fine sand

Shallow Soil Types: sandy loam

Deeper Soil Types: silt loam
sand
loamy sand
loam

LOCAL / REGIONAL WATER AGENCY RECORDS

EDR Local/Regional Water Agency records provide water well information to assist the environmental professional in assessing sources that may impact ground water flow direction, and in forming an opinion about the impact of contaminant migration on nearby drinking water wells.

WELL SEARCH DISTANCE INFORMATION

DATABASE	SEARCH DISTANCE (miles)
Federal USGS	1.000
Federal FRDS PWS	Nearest PWS within 1 mile
State Database	1.000

FEDERAL USGS WELL INFORMATION

MAP ID	WELL ID	LOCATION FROM TP

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

FEDERAL USGS WELL INFORMATION

MAP ID	WELL ID	LOCATION FROM TP
No Wells Found		

FEDERAL FRDS PUBLIC WATER SUPPLY SYSTEM INFORMATION

MAP ID	WELL ID	LOCATION FROM TP
No PWS System Found		

Note: PWS System location is not always the same as well location.

STATE DATABASE WELL INFORMATION

MAP ID	WELL ID	LOCATION FROM TP
A1	ILSG40000054364	0 - 1/8 Mile NW
A2	ILSG40000054365	0 - 1/8 Mile West
A3	ILSG40000054363	0 - 1/8 Mile WNW
A4	ILSG40000054362	0 - 1/8 Mile West
A5	ILSG40000054361	0 - 1/8 Mile WNW
6	ILSG40000055185	1/8 - 1/4 Mile NW
7	ILSG40000055186	1/8 - 1/4 Mile North
8	ILSG40000055184	1/8 - 1/4 Mile WNW
B9	ILSG40000055187	1/8 - 1/4 Mile NNE
B10	ILSG40000050179	1/8 - 1/4 Mile NNE
B11	ILSG40000050176	1/8 - 1/4 Mile NE
B12	ILSG40000050178	1/8 - 1/4 Mile NNE
13	ILSG40000050177	1/8 - 1/4 Mile NE
14	ILSG40000055183	1/4 - 1/2 Mile West
C15	ILSG40000061712	1/4 - 1/2 Mile ENE
C16	ILSG40000049565	1/4 - 1/2 Mile NE
17	ILSG40000055188	1/4 - 1/2 Mile NNE
18	ILSG40000039733	1/4 - 1/2 Mile West
D19	ILSG40000039732	1/4 - 1/2 Mile NE
D20	ILSG40000042130	1/4 - 1/2 Mile NE
21	ILSG40000055182	1/4 - 1/2 Mile WSW
E22	ILSG40000064441	1/4 - 1/2 Mile NE
F23	ILSG40000042128	1/4 - 1/2 Mile WSW
E24	ILSG40000064442	1/4 - 1/2 Mile NE
G25	ILSG40000059332	1/4 - 1/2 Mile SSE
G26	ILSG40000059334	1/4 - 1/2 Mile SSE
G27	ILSG40000059333	1/4 - 1/2 Mile SSE
F28	ILSG40000040929	1/4 - 1/2 Mile WSW
H29	ILSG40000060443	1/4 - 1/2 Mile NNE
30	ILSG40000059502	1/4 - 1/2 Mile South
F31	ILSG40000049558	1/4 - 1/2 Mile WSW
H32	ILSG40000060442	1/4 - 1/2 Mile NNE
H33	ILSG40000060444	1/4 - 1/2 Mile NNE
I34	ILSG40000055181	1/4 - 1/2 Mile WSW
I35	ILSG40000061432	1/2 - 1 Mile WSW
H36	ILSG40000060441	1/2 - 1 Mile NNE

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

STATE DATABASE WELL INFORMATION

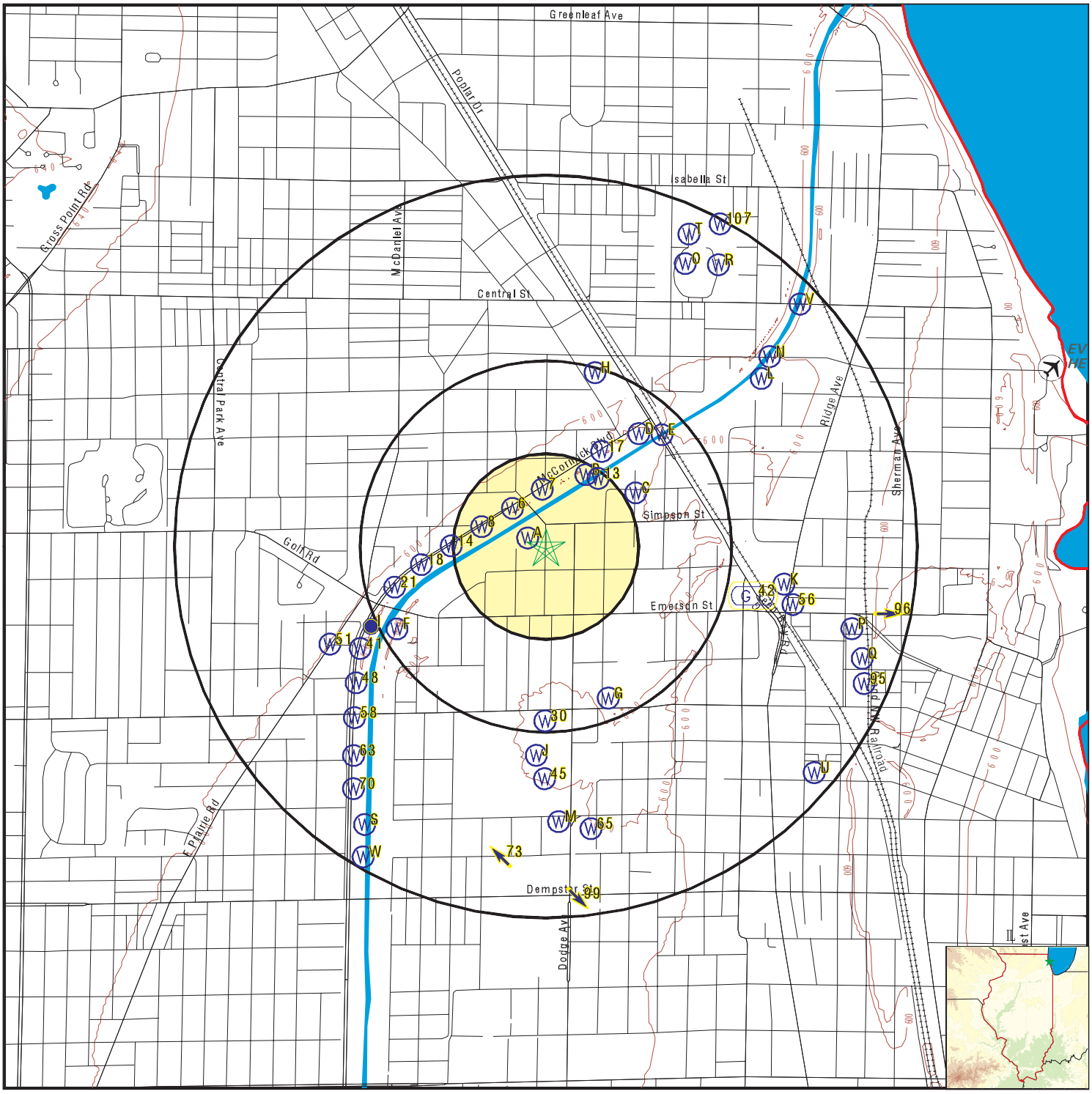
MAP ID	WELL ID	LOCATION FROM TP
I37	ILSG40000042129	1/2 - 1 Mile WSW
J38	ILSG40000059507	1/2 - 1 Mile South
J39	ILSG40000059503	1/2 - 1 Mile South
41	ILSG40000055180	1/2 - 1 Mile WSW
J43	ILSG40000059506	1/2 - 1 Mile South
J44	ILSG40000059504	1/2 - 1 Mile South
45	ILSG40000059505	1/2 - 1 Mile South
K46	ILSG40000054353	1/2 - 1 Mile East
K47	ILSG40000054357	1/2 - 1 Mile East
48	ILSG40000055179	1/2 - 1 Mile SW
K49	ILSG40000054354	1/2 - 1 Mile East
K50	ILSG40000054356	1/2 - 1 Mile East
51	ILPW8734	1/2 - 1 Mile WSW
K52	ILSG40000054355	1/2 - 1 Mile East
K53	ILSG40000054352	1/2 - 1 Mile East
K54	ILSG40000054351	1/2 - 1 Mile East
K55	ILSG40000060479	1/2 - 1 Mile ESE
56	ILSG40000060480	1/2 - 1 Mile ESE
K57	ILSG40000060478	1/2 - 1 Mile ESE
58	ILSG40000055178	1/2 - 1 Mile SW
L59	ILSG40000042131	1/2 - 1 Mile NE
L60	ILSG40000049576	1/2 - 1 Mile NE
M61	ILSG40000059508	1/2 - 1 Mile South
M62	ILSG40000059509	1/2 - 1 Mile South
63	ILSG40000055177	1/2 - 1 Mile SW
L64	ILSG40000050180	1/2 - 1 Mile NE
65	ILSG40000040074	1/2 - 1 Mile South
N66	ILSG40000050181	1/2 - 1 Mile NE
N67	ILSG40000050182	1/2 - 1 Mile NE
N68	ILSG40000050183	1/2 - 1 Mile NE
O69	ILSG40000059233	1/2 - 1 Mile NNE
70	ILSG40000055176	1/2 - 1 Mile SW
P71	ILSG40000064454	1/2 - 1 Mile ESE
P72	ILSG40000054366	1/2 - 1 Mile ESE
P74	ILSG40000054367	1/2 - 1 Mile ESE
P75	ILSG40000054368	1/2 - 1 Mile ESE
P76	ILSG40000054369	1/2 - 1 Mile ESE
Q77	ILSG40000064455	1/2 - 1 Mile ESE
O78	ILSG40000059239	1/2 - 1 Mile NNE
R79	ILSG40000059232	1/2 - 1 Mile NNE
O80	ILSG40000059236	1/2 - 1 Mile NNE
S81	ILSG40000042127	1/2 - 1 Mile SSW
P82	ILSG40000064448	1/2 - 1 Mile ESE
Q83	ILSG40000064453	1/2 - 1 Mile ESE
Q84	ILSG40000064452	1/2 - 1 Mile ESE
S85	ILSG40000055175	1/2 - 1 Mile SW
T86	ILSG40000059237	1/2 - 1 Mile NNE
Q87	ILSG40000064451	1/2 - 1 Mile ESE
Q88	ILSG40000064449	1/2 - 1 Mile ESE
R89	ILSG40000059238	1/2 - 1 Mile NNE
U90	ILSG40000054497	1/2 - 1 Mile SE
Q91	ILSG40000064450	1/2 - 1 Mile ESE

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

STATE DATABASE WELL INFORMATION

MAP ID	WELL ID	LOCATION FROM TP
V92	ILSG40000050185	1/2 - 1 Mile NE
V93	ILSG40000050187	1/2 - 1 Mile NE
U94	ILSG40000054496	1/2 - 1 Mile SE
95	ILSG40000064447	1/2 - 1 Mile ESE
T97	ILSG40000059235	1/2 - 1 Mile NNE
U98	ILSG40000054495	1/2 - 1 Mile SE
V100	ILSG40000042132	1/2 - 1 Mile NE
V101	ILSG40000050186	1/2 - 1 Mile NE
V102	ILSG40000050184	1/2 - 1 Mile NE
V103	ILSG40000040932	1/2 - 1 Mile NE
W104	ILSG40000049566	1/2 - 1 Mile SSW
W105	ILSG40000042136	1/2 - 1 Mile SSW
U106	ILSG40000059703	1/2 - 1 Mile SE
107	ILSG40000059234	1/2 - 1 Mile NNE
W108	ILSG40000055174	1/2 - 1 Mile SSW

PHYSICAL SETTING SOURCE MAP - 7841921.17s



- County Boundary
- Major Roads
- Contour Lines
- Airports
- Earthquake epicenter, Richter 5 or greater
- Water Wells
- Public Water Supply Wells
- Cluster of Multiple Icons
- Groundwater Flow Direction
- Indeterminate Groundwater Flow at Location
- Groundwater Flow Varies at Location
- Closest Hydrogeological Data
- Oil, gas or related wells

SITE NAME:	9826-G Brown From Foster To Simpson	CLIENT:	Interra, Inc.
ADDRESS:	Brown and Foster Evanston IL 60201	CONTACT:	Ashok Guntaka
LAT/LONG:	42.054729 / 87.700403	INQUIRY #:	7841921.17s
		DATE:	December 06, 2024 1:10 pm

Copyright © 2024 EDR, Inc. © 2015 TomTom Rel. 2015.

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID Direction Distance Elevation		Database	EDR ID Number
A1 **NW** **0 - 1/8 Mile** **Higher**	Click here for full text details	**IL WELLS**	**ILSG40000054364**
A2 **West** **0 - 1/8 Mile** **Higher**	Click here for full text details	**IL WELLS**	**ILSG40000054365**
A3 **WNW** **0 - 1/8 Mile** **Higher**	Click here for full text details	**IL WELLS**	**ILSG40000054363**
A4 **West** **0 - 1/8 Mile** **Higher**	Click here for full text details	**IL WELLS**	**ILSG40000054362**
A5 **WNW** **0 - 1/8 Mile** **Higher**	Click here for full text details	**IL WELLS**	**ILSG40000054361**
6 **NW** **1/8 - 1/4 Mile** **Higher**	Click here for full text details	**IL WELLS**	**ILSG40000055185**
7 **North** **1/8 - 1/4 Mile** **Higher**	Click here for full text details	**IL WELLS**	**ILSG40000055186**
8 **WNW** **1/8 - 1/4 Mile** **Higher**	Click here for full text details	**IL WELLS**	**ILSG40000055184**

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID Direction Distance Elevation		Database	EDR ID Number
B9 **NNE** **1/8 - 1/4 Mile** **Higher**	Click here for full text details	**IL WELLS**	**ILSG40000055187**
B10 **NNE** **1/8 - 1/4 Mile** **Lower**	Click here for full text details	**IL WELLS**	**ILSG40000050179**
B11 **NE** **1/8 - 1/4 Mile** **Lower**	Click here for full text details	**IL WELLS**	**ILSG40000050176**
B12 **NNE** **1/8 - 1/4 Mile** **Lower**	Click here for full text details	**IL WELLS**	**ILSG40000050178**
13 **NE** **1/8 - 1/4 Mile** **Lower**	Click here for full text details	**IL WELLS**	**ILSG40000050177**
14 **West** **1/4 - 1/2 Mile** **Higher**	Click here for full text details	**IL WELLS**	**ILSG40000055183**
C15 **ENE** **1/4 - 1/2 Mile** **Higher**	Click here for full text details	**IL WELLS**	**ILSG40000061712**
C16 **NE** **1/4 - 1/2 Mile** **Higher**	Click here for full text details	**IL WELLS**	**ILSG40000049565**
17 **NNE** **1/4 - 1/2 Mile** **Higher**	Click here for full text details	**IL WELLS**	**ILSG40000055188**

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID Direction Distance Elevation		Database	EDR ID Number
18 **West** **1/4 - 1/2 Mile** **Higher**	Click here for full text details	**IL WELLS**	**ILSG40000039733**
D19 **NE** **1/4 - 1/2 Mile** **Higher**	Click here for full text details	**IL WELLS**	**ILSG40000039732**
D20 **NE** **1/4 - 1/2 Mile** **Lower**	Click here for full text details	**IL WELLS**	**ILSG40000042130**
21 **WSW** **1/4 - 1/2 Mile** **Higher**	Click here for full text details	**IL WELLS**	**ILSG40000055182**
E22 **NE** **1/4 - 1/2 Mile** **Higher**	Click here for full text details	**IL WELLS**	**ILSG40000064441**
F23 **WSW** **1/4 - 1/2 Mile** **Higher**	Click here for full text details	**IL WELLS**	**ILSG40000042128**
E24 **NE** **1/4 - 1/2 Mile** **Lower**	Click here for full text details	**IL WELLS**	**ILSG40000064442**
G25 **SSE** **1/4 - 1/2 Mile** **Higher**	Click here for full text details	**IL WELLS**	**ILSG40000059332**
G26 **SSE** **1/4 - 1/2 Mile** **Higher**	Click here for full text details	**IL WELLS**	**ILSG40000059334**

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID Direction Distance Elevation		Database	EDR ID Number
G27 **SSE** **1/4 - 1/2 Mile** **Higher**	Click here for full text details	**IL WELLS**	**ILSG40000059333**
F28 **WSW** **1/4 - 1/2 Mile** **Higher**	Click here for full text details	**IL WELLS**	**ILSG40000040929**
H29 **NNE** **1/4 - 1/2 Mile** **Higher**	Click here for full text details	**IL WELLS**	**ILSG40000060443**
30 **South** **1/4 - 1/2 Mile** **Higher**	Click here for full text details	**IL WELLS**	**ILSG40000059502**
F31 **WSW** **1/4 - 1/2 Mile** **Higher**	Click here for full text details	**IL WELLS**	**ILSG40000049558**
H32 **NNE** **1/4 - 1/2 Mile** **Higher**	Click here for full text details	**IL WELLS**	**ILSG40000060442**
H33 **NNE** **1/4 - 1/2 Mile** **Higher**	Click here for full text details	**IL WELLS**	**ILSG40000060444**
I34 **WSW** **1/4 - 1/2 Mile** **Higher**	Click here for full text details	**IL WELLS**	**ILSG40000055181**
I35 **WSW** **1/2 - 1 Mile** **Higher**	Click here for full text details	**IL WELLS**	**ILSG40000061432**

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID Direction Distance Elevation		Database	EDR ID Number
H36 **NNE** **1/2 - 1 Mile** **Higher**	Click here for full text details	**IL WELLS**	**ILSG40000060441**
I37 **WSW** **1/2 - 1 Mile** **Higher**	Click here for full text details	**IL WELLS**	**ILSG40000042129**
J38 **South** **1/2 - 1 Mile** **Higher**	Click here for full text details	**IL WELLS**	**ILSG40000059507**
J39 **South** **1/2 - 1 Mile** **Higher**	Click here for full text details	**IL WELLS**	**ILSG40000059503**
I40 **WSW** **1/2 - 1 Mile** **Higher**	Click here for full text details	**AQUIFLOW**	**62182**
41 **WSW** **1/2 - 1 Mile** **Higher**	Click here for full text details	**IL WELLS**	**ILSG40000055180**
42 **ESE** **1/2 - 1 Mile** **Higher**	Click here for full text details	**AQUIFLOW**	**62391**
J43 **South** **1/2 - 1 Mile** **Higher**	Click here for full text details	**IL WELLS**	**ILSG40000059506**
J44 **South** **1/2 - 1 Mile** **Higher**	Click here for full text details	**IL WELLS**	**ILSG40000059504**

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID Direction Distance Elevation		Database	EDR ID Number
45 South 1/2 - 1 Mile Higher	Click here for full text details	**IL WELLS**	**ILSG40000059505**
K46 East 1/2 - 1 Mile Higher	Click here for full text details	**IL WELLS**	**ILSG40000054353**
K47 East 1/2 - 1 Mile Higher	Click here for full text details	**IL WELLS**	**ILSG40000054357**
48 SW 1/2 - 1 Mile Higher	Click here for full text details	**IL WELLS**	**ILSG40000055179**
K49 East 1/2 - 1 Mile Higher	Click here for full text details	**IL WELLS**	**ILSG40000054354**
K50 East 1/2 - 1 Mile Higher	Click here for full text details	**IL WELLS**	**ILSG40000054356**
51 WSW 1/2 - 1 Mile Higher	Click here for full text details	**IL WELLS**	**ILPW8734**
K52 East 1/2 - 1 Mile Higher	Click here for full text details	**IL WELLS**	**ILSG40000054355**
K53 East 1/2 - 1 Mile Higher	Click here for full text details	**IL WELLS**	**ILSG40000054352**

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID Direction Distance Elevation		Database	EDR ID Number
K54 **East** **1/2 - 1 Mile** **Higher**	Click here for full text details	**IL WELLS**	**ILSG40000054351**
K55 **ESE** **1/2 - 1 Mile** **Higher**	Click here for full text details	**IL WELLS**	**ILSG40000060479**
56 **ESE** **1/2 - 1 Mile** **Higher**	Click here for full text details	**IL WELLS**	**ILSG40000060480**
K57 **ESE** **1/2 - 1 Mile** **Higher**	Click here for full text details	**IL WELLS**	**ILSG40000060478**
58 **SW** **1/2 - 1 Mile** **Higher**	Click here for full text details	**IL WELLS**	**ILSG40000055178**
L59 **NE** **1/2 - 1 Mile** **Higher**	Click here for full text details	**IL WELLS**	**ILSG40000042131**
L60 **NE** **1/2 - 1 Mile** **Higher**	Click here for full text details	**IL WELLS**	**ILSG40000049576**
M61 **South** **1/2 - 1 Mile** **Higher**	Click here for full text details	**IL WELLS**	**ILSG40000059508**
M62 **South** **1/2 - 1 Mile** **Higher**	Click here for full text details	**IL WELLS**	**ILSG40000059509**

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID Direction Distance Elevation		Database	EDR ID Number
63 **SW** **1/2 - 1 Mile** **Higher**	Click here for full text details	**IL WELLS**	**ILSG40000055177**
L64 **NE** **1/2 - 1 Mile** **Lower**	Click here for full text details	**IL WELLS**	**ILSG40000050180**
65 **South** **1/2 - 1 Mile** **Higher**	Click here for full text details	**IL WELLS**	**ILSG40000040074**
N66 **NE** **1/2 - 1 Mile** **Lower**	Click here for full text details	**IL WELLS**	**ILSG40000050181**
N67 **NE** **1/2 - 1 Mile** **Higher**	Click here for full text details	**IL WELLS**	**ILSG40000050182**
N68 **NE** **1/2 - 1 Mile** **Higher**	Click here for full text details	**IL WELLS**	**ILSG40000050183**
O69 **NNE** **1/2 - 1 Mile** **Higher**	Click here for full text details	**IL WELLS**	**ILSG40000059233**
70 **SW** **1/2 - 1 Mile** **Higher**	Click here for full text details	**IL WELLS**	**ILSG40000055176**
P71 **ESE** **1/2 - 1 Mile** **Higher**	Click here for full text details	**IL WELLS**	**ILSG40000064454**

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID Direction Distance Elevation		Database	EDR ID Number
P72 **ESE** **1/2 - 1 Mile** **Higher**	Click here for full text details	**IL WELLS**	**ILSG40000054366**
73 **South** **1/2 - 1 Mile** **Higher**	Click here for full text details	**AQUIFLOW**	**25565**
P74 **ESE** **1/2 - 1 Mile** **Higher**	Click here for full text details	**IL WELLS**	**ILSG40000054367**
P75 **ESE** **1/2 - 1 Mile** **Higher**	Click here for full text details	**IL WELLS**	**ILSG40000054368**
P76 **ESE** **1/2 - 1 Mile** **Higher**	Click here for full text details	**IL WELLS**	**ILSG40000054369**
Q77 **ESE** **1/2 - 1 Mile** **Higher**	Click here for full text details	**IL WELLS**	**ILSG40000064455**
O78 **NNE** **1/2 - 1 Mile** **Higher**	Click here for full text details	**IL WELLS**	**ILSG40000059239**
R79 **NNE** **1/2 - 1 Mile** **Higher**	Click here for full text details	**IL WELLS**	**ILSG40000059232**
O80 **NNE** **1/2 - 1 Mile** **Higher**	Click here for full text details	**IL WELLS**	**ILSG40000059236**

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID Direction Distance Elevation		Database	EDR ID Number
S81 **SSW** **1/2 - 1 Mile** **Higher**	Click here for full text details	**IL WELLS**	**ILSG40000042127**
P82 **ESE** **1/2 - 1 Mile** **Higher**	Click here for full text details	**IL WELLS**	**ILSG40000064448**
Q83 **ESE** **1/2 - 1 Mile** **Higher**	Click here for full text details	**IL WELLS**	**ILSG40000064453**
Q84 **ESE** **1/2 - 1 Mile** **Higher**	Click here for full text details	**IL WELLS**	**ILSG40000064452**
S85 **SW** **1/2 - 1 Mile** **Higher**	Click here for full text details	**IL WELLS**	**ILSG40000055175**
T86 **NNE** **1/2 - 1 Mile** **Higher**	Click here for full text details	**IL WELLS**	**ILSG40000059237**
Q87 **ESE** **1/2 - 1 Mile** **Higher**	Click here for full text details	**IL WELLS**	**ILSG40000064451**
Q88 **ESE** **1/2 - 1 Mile** **Higher**	Click here for full text details	**IL WELLS**	**ILSG40000064449**
R89 **NNE** **1/2 - 1 Mile** **Higher**	Click here for full text details	**IL WELLS**	**ILSG40000059238**

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID Direction Distance Elevation		Database	EDR ID Number
U90 **SE** **1/2 - 1 Mile** **Higher**	Click here for full text details	**IL WELLS**	**ILSG40000054497**
Q91 **ESE** **1/2 - 1 Mile** **Higher**	Click here for full text details	**IL WELLS**	**ILSG40000064450**
V92 **NE** **1/2 - 1 Mile** **Higher**	Click here for full text details	**IL WELLS**	**ILSG40000050185**
V93 **NE** **1/2 - 1 Mile** **Lower**	Click here for full text details	**IL WELLS**	**ILSG40000050187**
U94 **SE** **1/2 - 1 Mile** **Higher**	Click here for full text details	**IL WELLS**	**ILSG40000054496**
95 **ESE** **1/2 - 1 Mile** **Higher**	Click here for full text details	**IL WELLS**	**ILSG40000064447**
96 **East** **1/2 - 1 Mile** **Higher**	Click here for full text details	**AQUIFLOW**	**27259**
T97 **NNE** **1/2 - 1 Mile** **Higher**	Click here for full text details	**IL WELLS**	**ILSG40000059235**
U98 **SE** **1/2 - 1 Mile** **Higher**	Click here for full text details	**IL WELLS**	**ILSG40000054495**

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID Direction Distance Elevation		Database	EDR ID Number
99 **South** **1/2 - 1 Mile** **Higher**	Click here for full text details	**AQUIFLOW**	**62115**
V100 **NE** **1/2 - 1 Mile** **Higher**	Click here for full text details	**IL WELLS**	**ILSG40000042132**
V101 **NE** **1/2 - 1 Mile** **Higher**	Click here for full text details	**IL WELLS**	**ILSG40000050186**
V102 **NE** **1/2 - 1 Mile** **Higher**	Click here for full text details	**IL WELLS**	**ILSG40000050184**
V103 **NE** **1/2 - 1 Mile** **Higher**	Click here for full text details	**IL WELLS**	**ILSG40000040932**
W104 **SSW** **1/2 - 1 Mile** **Higher**	Click here for full text details	**IL WELLS**	**ILSG40000049566**
W105 **SSW** **1/2 - 1 Mile** **Lower**	Click here for full text details	**IL WELLS**	**ILSG40000042136**
U106 **SE** **1/2 - 1 Mile** **Higher**	Click here for full text details	**IL WELLS**	**ILSG40000059703**
107 **NNE** **1/2 - 1 Mile** **Higher**	Click here for full text details	**IL WELLS**	**ILSG40000059234**

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID Direction Distance Elevation		Database	EDR ID Number
W108 **SSW** **1/2 - 1 Mile** **Higher**	**Click here for full text details**	**IL WELLS**	**ILSG40000055174**
1G **ESE** **1/2 - 1 Mile** **Lower**	**Click here for full text details**	**AQUIFLOW**	**62391**
2G **East** **1/2 - 1 Mile** **Lower**	**Click here for full text details**	**AQUIFLOW**	**27259**
3G **WSW** **1/2 - 1 Mile** **Lower**	**Click here for full text details**	**AQUIFLOW**	**62182**
4G **South** **1/2 - 1 Mile** **Lower**	**Click here for full text details**	**AQUIFLOW**	**25565**
5G **South** **1/2 - 1 Mile** **Lower**	**Click here for full text details**	**AQUIFLOW**	**62115**

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS
RADON

AREA RADON INFORMATION

State Database: IL Radon

Radon Test Results

Zipcode	Result
60201	0.7
60201	1.6
60201	0.7
60201	0.9
60201	
60201	0.7
60201	1.1
60201	0.3
60201	0.6
60201	1.6
60201	0.8
60201	1
60201	0.3
60201	1.8

Federal EPA Radon Zone for COOK County: 2

Note: Zone 1 indoor average level > 4 pCi/L.
: Zone 2 indoor average level >= 2 pCi/L and <= 4 pCi/L.
: Zone 3 indoor average level < 2 pCi/L.

Federal Area Radon Information for Zip Code: 60201

Number of sites tested: 1

Area	Average Activity	% <4 pCi/L	% 4-20 pCi/L	% >20 pCi/L
Living Area - 1st Floor	Not Reported	Not Reported	Not Reported	Not Reported
Living Area - 2nd Floor	Not Reported	Not Reported	Not Reported	Not Reported
Basement	-0.500 pCi/L	100%	0%	0%

PHYSICAL SETTING SOURCE RECORDS SEARCHED

TOPOGRAPHIC INFORMATION

USGS 7.5' Digital Elevation Model (DEM)
Source: United States Geologic Survey
EDR acquired the USGS 7.5' Digital Elevation Model in 2002 and updated it in 2006. The 7.5 minute DEM corresponds to the USGS 1:24,000- and 1:25,000-scale topographic quadrangle maps. The DEM provides elevation data with consistent elevation units and projection.

Source: U.S. Geological Survey

HYDROLOGIC INFORMATION

Flood Zone Data: This data was obtained from the Federal Emergency Management Agency (FEMA). It depicts 100-year and 500-year flood zones as defined by FEMA. It includes the National Flood Hazard Layer (NFHL) which incorporates Flood Insurance Rate Map (FIRM) data and Q3 data from FEMA in areas not covered by NFHL.
Source: FEMA
Telephone: 877-336-2627
Date of Government Version: 2003, 2015

NWI: National Wetlands Inventory. This data, available in select counties across the country, was obtained by EDR in 2002, 2005, 2010 and 2015 from the U.S. Fish and Wildlife Service.

State Wetlands Data: Wetland Inventory
Source: Illinois State Geological Survey
Telephone: 217-333-4747

HYDROGEOLOGIC INFORMATION

AQUIFLOW^{R} Information System
Source: EDR proprietary database of groundwater flow information
EDR has developed the AQUIFLOW Information System (AIS) to provide data on the general direction of groundwater flow at specific points. EDR has reviewed reports submitted to regulatory authorities at select sites and has extracted the date of the report, hydrogeologically determined groundwater flow direction and depth to water table information.

GEOLOGIC INFORMATION

Geologic Age and Rock Stratigraphic Unit
Source: P.G. Schruben, R.E. Arndt and W.J. Bawiec, Geology of the Conterminous U.S. at 1:2,500,000 Scale - A digital representation of the 1974 P.B. King and H.M. Beikman Map, USGS Digital Data Series DDS - 11 (1994).

STATSGO: State Soil Geographic Database
Source: Department of Agriculture, Natural Resources Conservation Service (NRCS)
The U.S. Department of Agriculture's (USDA) Natural Resources Conservation Service (NRCS) leads the national Conservation Soil Survey (NCSS) and is responsible for collecting, storing, maintaining and distributing soil survey information for privately owned lands in the United States. A soil map in a soil survey is a representation of soil patterns in a landscape. Soil maps for STATSGO are compiled by generalizing more detailed (SSURGO) soil survey maps.

SSURGO: Soil Survey Geographic Database
Source: Department of Agriculture, Natural Resources Conservation Service (NRCS)
Telephone: 800-672-5559
SSURGO is the most detailed level of mapping done by the Natural Resources Conservation Service, mapping scales generally range from 1:12,000 to 1:63,360. Field mapping methods using national standards are used to construct the soil maps in the Soil Survey Geographic (SSURGO) database. SSURGO digitizing duplicates the original soil survey maps. This level of mapping is designed for use by landowners, townships and county natural resource planning and management.

PHYSICAL SETTING SOURCE RECORDS SEARCHED

LOCAL / REGIONAL WATER AGENCY RECORDS

FEDERAL WATER WELLS

PWS: Public Water Systems
Source: EPA/Office of Drinking Water
Telephone: 202-564-3750
Public Water System data from the Federal Reporting Data System. A PWS is any water system which provides water to at least 25 people for at least 60 days annually. PWSs provide water from wells, rivers and other sources.

PWS ENF: Public Water Systems Violation and Enforcement Data
Source: EPA/Office of Drinking Water
Telephone: 202-564-3750
Violation and Enforcement data for Public Water Systems from the Safe Drinking Water Information System (SDWIS) after August 1995. Prior to August 1995, the data came from the Federal Reporting Data System (FRDS).

USGS Water Wells: USGS National Water Inventory System (NWIS)
This database contains descriptive information on sites where the USGS collects or has collected data on surface water and/or groundwater. The groundwater data includes information on wells, springs, and other sources of groundwater.

OTHER STATE DATABASE INFORMATION

Oil and Gas Wells Listing
Source: Illinois State Geological Survey
Telephone: 217-333-5109
Oil and gas wells location points from the Illinois State Geological Survey database.

Water Well Records
Source: Illinois Geological Survey
Telephone: 217-333-4747

Illinois Private Well Database and PICS (Public, Industrial, Commercial Survey)
Source: Illinois State Water Survey
Telephone: 217-333-9043

Water Well Location Information
Source: Illinois Environmental Protection Agency
Telephone: 217-782-0810

RADON

State Database: IL Radon
Source: Department of Nuclear Safety
Telephone: 217-785-9958
County Radon Results

Area Radon Information
Source: USGS
Telephone: 703-356-4020
The National Radon Database has been developed by the U.S. Environmental Protection Agency (USEPA) and is a compilation of the EPA/State Residential Radon Survey and the National Residential Radon Survey. The study covers the years 1986 - 1992. Where necessary data has been supplemented by information collected at private sources such as universities and research institutions.

EPA Radon Zones
Source: EPA
Telephone: 703-356-4020
Sections 307 & 309 of IRAA directed EPA to list and identify areas of U.S. with the potential for elevated indoor radon levels.

PHYSICAL SETTING SOURCE RECORDS SEARCHED

OTHER

Airport Landing Facilities: Private and public use landing facilities
Source: Federal Aviation Administration, 800-457-6656

Epicenters: World earthquake epicenters, Richter 5 or greater
Source: Department of Commerce, National Oceanic and Atmospheric Administration

Earthquake Fault Lines: The fault lines displayed on EDR's Topographic map are digitized quaternary faultlines, prepared in 1975 by the United State Geological Survey

STREET AND ADDRESS INFORMATION

© 2015 TomTom North America, Inc. All rights reserved. This material is proprietary and the subject of copyright protection and other intellectual property rights owned by or licensed to Tele Atlas North America, Inc. The use of this material is subject to the terms of a license agreement. You will be held liable for any unauthorized copying or disclosure of this material.

Appendix B

Sample Location Map

2025 Water Main Improvement Projects
Brown Avenue from Foster Street to Simpson Street
INTERRA Project No. 9826
Date: 12/16/2024

Brown-SGB-01

Brown-SGB-02

Bridge St
Simpson St
Simpson St
Twiggs Park
Dar-us-Sunnah Masjid
Electrician Pros Evanston
Over the Rainbow Association
Al Gomez Landscaping
Brown Ave
Voiceovers by Rodney Greene
Grey Ave
Foster St
Foster St
Dodge Ave
Foster St
st Church of Evanston
Google Earth
Crawford Richmond & Associates
300 ft
N

Appendix C

Analytical Test Reports

SUBURBAN LABORATORIES
A METIRI GROUP COMPANY

1950 S Batavia Ave, Suite 150, Geneva, IL
60134 - Phone (800) 783-5227 -
www.metirigroup.com

January 08, 2025

INTERRA, Inc.
INTERRA, Inc.
600 Territorial Drive, Suite G
Bolingbrook, IL 60440

RE: 9826 - Evanston Geotech and Environmental 2024
AAL1044

Metiri Analytical Group Inc, - Geneva received sample(s) on 12/17/2024 for the analyses presented in the following report.

All data for the associated quality control (QC) met EPA, method, or internal laboratory specifications except where noted in the case narrative. If you are comparing these results to external QC specifications or compliance limits and have any questions, please contact us.

This final report of laboratory analysis consists of this cover letter, case narrative, analytical report, dates report, and any accompanying documentation including, but not limited to, chain of custody records, raw data, and letters of explanation or reliance. This report may not be reproduced, except in full, without the prior written approval of Suburban Laboratories, Inc.

If you have any questions regarding these test results, please call me at (708) 544-3260.

Sincerely,

Daniel Galeher
Project Manager

Metiri Group - Geneva - 1950 S Batavia Ave, Suite 150, Geneva, IL 60134

INTERRA, Inc.	Project: INTERRA - Soil	
600 Territorial Drive, Suite G	Project Number: 9826 - Evanston Geotech and Environmental 2024	
Bolingbrook, IL 60440	Project Manager: INTERRA, Inc.	Reported: 01/08/2025 13:04

Notes and Definitions

Item	Definition
J	Analyte detected below quantitation limit (QL)
S	Spike Recovery outside accepted recovery limits
U	Analyte included in the analysis, but not detected

General Comments:
- All results reported in wet weight unless otherwise indicated. (dry = Dry Weight)
- Sample results relate only to the analytes of interest tested and to sample as received by the laboratory.
- Environmental compliance sample results meet the requirements of 35 IAC Part 186 unless otherwise indicated.
- Waste water analysis follows the rules set forth in 40 CFR part 136 except where otherwise noted.
- Accreditation by the State of Illinois is not an endorsement or a guarantee of the validity of data generated.
- For more information about the laboratories' scope of accreditation, please contact us at (708) 544-3260 or the Agency at (217) 782-6455.
- All radiological results are reported to the 95% confidence level.

Abbreviations:
- Reporting Limit: The concentration at which an analyte can be routinely detected on a day to day basis, and which also meets regulatory and client needs.
- Quantitation Limit: The lowest concentration at which results can be accurately quantitated.
- J: The analyte was positively identified above our Method Detection Limit and is considered detectable and usable; however, the associated numerical value is the approximate concentration of the analyte in the sample.
- ATC: Automatic Temperature Correction. - TNTC: Too Numerous To Count
- TIC: Tentatively Identified Compound (GCMS library search identification, concentration estimated to nearest internal standard).
- SS: (Surrogate Standard): Quality control compound added to the sample by the lab.
-LA: Lab Accident - No valid data to report.
-VO: Insufficient Volume provided
-BR: Received broken
-IP: Invalid Sampling

Method References:
For a complete list of method references please contact us.
- E: USEPA Reference methods
- SW: USEPA, Test Methods for Evaluating Solid Waste (SW-846)
- M: Standard Methods for the Examination of Water and Wastewater

Illinois Department of Public Health Accredited #17585

Illinois Environmental Protection Agency Accredited #100225

The contents of this report apply to the sample(s) analyzed in accordance with the chain of custody document.
No duplication of this report is allowed, except in its entirety.

Table of Contents

Qualifiers and Definitions	2
Case Narratives Analyses	4
Sample Results	5
Chain of Custody	16

Metiri Group - Geneva - 1950 S Batavia Ave, Suite 150, Geneva, IL 60134

INTERRA, Inc.	Project: INTERRA - Soil	
600 Territorial Drive, Suite G	Project Number: 9826 - Evanston Geotech and Environmental 2024	
Bolingbrook, IL 60440	Project Manager: INTERRA, Inc.	Reported: 01/08/2025 13:04

Analysis Case Narrative

Sample AAL1044-01: S = The Matirix Spike was outi ofi specifications fior multiple analyties

Sample AAL1044-02: S=The Blank Spike exceeded tihe upper acceptiance limiti fior 1,1-Dichloroetihene, resulting in a high bias.
There were no detiectis in tihe samples

Sample AAL1044-02: B=The metihod blank contiained Acetione at 0.00566 mg/kg. (MDL is 0.00531 mg/kg).

Samples in this Report

Lab ID	Sample	Matrix	Date Sampled	Date Received
AAL1044-01	Brown-SGB-01	Solid	12/16/2024 11:45	12/17/2024
AAL1044-02	Brown-SGB-02	Solid	12/16/2024 13:00	12/17/2024

The contents of this report apply to the sample(s) analyzed in accordance with the chain of custody document.
No duplication of this report is allowed, except in its entirety.

Metiri Group - Geneva - 1950 S Batavia Ave, Suite 150, Geneva, IL 60134

INTERRA, Inc.	Project: INTERRA - Soil	
600 Territorial Drive, Suite G	Project Number: 9826 - Evanston Geotech and Environmental 2024	
Bolingbrook, IL 60440	Project Manager: INTERRA, Inc.	Reported: 01/08/2025 13:04

Sample Results

Sample: Brown-SGB-01

AAL1044-01 (Solid)

Analyte	Result	/Qual	DL	RL	Units	Date Sampled	Date Analyzed	DF	Method	Prep Batch
SVOC										
1,2,4-Trichlorobenzene	ND		0.033	0.085	mg/kg dry	12/16/24 11:45	12/26/24	1	8270C	BAL0977
1,2-Dichlorobenzene	ND		0.018	0.085	mg/kg dry	12/16/24 11:45	12/26/24	1	8270C	BAL0977
1,3-Dichlorobenzene	ND		0.019	0.085	mg/kg dry	12/16/24 11:45	12/26/24	1	8270C	BAL0977
1,4-Dichlorobenzene	ND		0.014	0.085	mg/kg dry	12/16/24 11:45	12/26/24	1	8270C	BAL0977
2,4,5-Trichlorophenol	ND		0.134	0.424	mg/kg dry	12/16/24 11:45	12/26/24	1	8270C	BAL0977
2,4,6-Trichlorophenol	ND		0.136	0.424	mg/kg dry	12/16/24 11:45	12/26/24	1	8270C	BAL0977
2,4-Dichlorophenol	ND		0.127	0.424	mg/kg dry	12/16/24 11:45	12/26/24	1	8270C	BAL0977
2,4-Dimethylphenol	ND		0.205	0.424	mg/kg dry	12/16/24 11:45	12/26/24	1	8270C	BAL0977
2,4-Dinitrophenol	ND		0.268	0.424	mg/kg dry	12/16/24 11:45	12/26/24	1	8270C	BAL0977
2,4-Dinitrotoluene	ND		0.023	0.085	mg/kg dry	12/16/24 11:45	12/26/24	1	8270C	BAL0977
2,6-Dinitrotoluene	ND		0.019	0.085	mg/kg dry	12/16/24 11:45	12/26/24	1	8270C	BAL0977
2-Chloronaphthalene	ND		0.022	0.085	mg/kg dry	12/16/24 11:45	12/26/24	1	8270C	BAL0977
2-Chlorophenol	ND		0.121	0.424	mg/kg dry	12/16/24 11:45	12/26/24	1	8270C	BAL0977
2-Methylnaphthalene	ND		0.023	0.085	mg/kg dry	12/16/24 11:45	12/26/24	1	8270C	BAL0977
2-Nitroaniline	ND		0.141	0.424	mg/kg dry	12/16/24 11:45	12/26/24	1	8270C	BAL0977
2-Nitrophenol	ND		0.144	0.424	mg/kg dry	12/16/24 11:45	12/26/24	1	8270C	BAL0977
3,3-Dichlorobenzidine	ND		0.126	0.424	mg/kg dry	12/16/24 11:45	12/26/24	1	8270C	BAL0977
3-Nitroaniline	ND		0.065	0.424	mg/kg dry	12/16/24 11:45	12/26/24	1	8270C	BAL0977
4,6-Dinitro-2-methylphenol	ND		0.126	0.424	mg/kg dry	12/16/24 11:45	12/26/24	1	8270C	BAL0977
4-Bromophenyl phenyl ether	ND		0.023	0.085	mg/kg dry	12/16/24 11:45	12/26/24	1	8270C	BAL0977
4-Chloro-3-methylphenol	ND		0.131	0.424	mg/kg dry	12/16/24 11:45	12/26/24	1	8270C	BAL0977
4-Chloroaniline	ND		0.101	0.424	mg/kg dry	12/16/24 11:45	12/26/24	1	8270C	BAL0977
4-Chlorophenyl phenyl ether	ND		0.017	0.085	mg/kg dry	12/16/24 11:45	12/26/24	1	8270C	BAL0977
4-Nitroaniline	ND		0.083	0.424	mg/kg dry	12/16/24 11:45	12/26/24	1	8270C	BAL0977
4-Nitrophenol	ND		0.116	0.424	mg/kg dry	12/16/24 11:45	12/26/24	1	8270C	BAL0977
Acenaphthene	ND		0.020	0.085	mg/kg dry	12/16/24 11:45	12/26/24	1	8270C	BAL0977
Acenaphthylene	ND		0.018	0.085	mg/kg dry	12/16/24 11:45	12/26/24	1	8270C	BAL0977
Aniline	ND		0.087	0.424	mg/kg dry	12/16/24 11:45	12/26/24	1	8270C	BAL0977
Anthracene	0.063	J	0.015	0.085	mg/kg dry	12/16/24 11:45	12/26/24	1	8270C	BAL0977
Azobenzene	ND		0.013	0.085	mg/kg dry	12/16/24 11:45	12/26/24	1	8270C	BAL0977
Benzidine	ND		0.089	1.06	mg/kg dry	12/16/24 11:45	12/26/24	1	8270C	BAL0977
Benzo(a)anthracene	0.405		0.013	0.085	mg/kg dry	12/16/24 11:45	12/26/24	1	8270C	BAL0977
Benzo(a)pyrene	0.335		0.017	0.085	mg/kg dry	12/16/24 11:45	12/26/24	1	8270C	BAL0977
Benzo(b)fluoranthene	0.425		0.017	0.085	mg/kg dry	12/16/24 11:45	12/26/24	1	8270C	BAL0977
Benzo(g,h,i)perylene	0.206		0.020	0.085	mg/kg dry	12/16/24 11:45	12/26/24	1	8270C	BAL0977
Benzo(k)fluoranthene	0.183		0.014	0.085	mg/kg dry	12/16/24 11:45	12/26/24	1	8270C	BAL0977
Benzoic acid	ND		0.145	0.424	mg/kg dry	12/16/24 11:45	12/26/24	1	8270C	BAL0977
Benzyl alcohol	ND		0.156	0.424	mg/kg dry	12/16/24 11:45	12/26/24	1	8270C	BAL0977
Bis(2-chloroethoxy)methane	ND		0.024	0.085	mg/kg dry	12/16/24 11:45	12/26/24	1	8270C	BAL0977
bis(2-Chloroethyl)ether	ND		0.037	0.085	mg/kg dry	12/16/24 11:45	12/26/24	1	8270C	BAL0977
Bis(2-chloroisopropyl)ether	ND		0.031	0.085	mg/kg dry	12/16/24 11:45	12/26/24	1	8270C	BAL0977
Bis(2-ethylhexyl)phthalate	ND		0.150	0.424	mg/kg dry	12/16/24 11:45	12/26/24	1	8270C	BAL0977
Butyl benzyl phthalate	ND		0.149	0.424	mg/kg dry	12/16/24 11:45	12/26/24	1	8270C	BAL0977
Carbazole	ND		0.017	0.085	mg/kg dry	12/16/24 11:45	12/26/24	1	8270C	BAL0977
Chrysene	0.372		0.017	0.085	mg/kg dry	12/16/24 11:45	12/26/24	1	8270C	BAL0977

The contents of this report apply to the sample(s) analyzed in accordance with the chain of custody document.
No duplication of this report is allowed, except in its entirety.

Metiri Group - Geneva - 1950 S Batavia Ave, Suite 150, Geneva, IL 60134

INTERRA, Inc.	Project: INTERRA - Soil	
600 Territorial Drive, Suite G	Project Number: 9826 - Evanston Geotech and Environmental 2024	
Bolingbrook, IL 60440	Project Manager: INTERRA, Inc.	Reported: 01/08/2025 13:04

Sample Results
(Continued)

Sample: Brown-SGB-01 (Continued)
AAL1044-01 (Solid)

Analyte	Result	/Qual	DL	RL	Units	Date Sampled	Date Analyzed	DF	Method	Prep Batch
SVOC (Continued)										
Dibenzo(a,h)anthracene	ND		0.022	0.085	mg/kg dry	12/16/24 11:45	12/26/24	1	8270C	BAL0977
Dibenzofuran	ND		0.019	0.085	mg/kg dry	12/16/24 11:45	12/26/24	1	8270C	BAL0977
Diethyl phthalate	ND		0.125	0.424	mg/kg dry	12/16/24 11:45	12/26/24	1	8270C	BAL0977
Dimethyl phthalate	ND		0.139	0.424	mg/kg dry	12/16/24 11:45	12/26/24	1	8270C	BAL0977
Di-n-butyl phthalate	ND		0.116	0.424	mg/kg dry	12/16/24 11:45	12/26/24	1	8270C	BAL0977
Di-n-octyl phthalate	ND		0.167	0.424	mg/kg dry	12/16/24 11:45	12/26/24	1	8270C	BAL0977
Fluoranthene	0.502		0.014	0.085	mg/kg dry	12/16/24 11:45	12/26/24	1	8270C	BAL0977
Fluorene	ND		0.019	0.085	mg/kg dry	12/16/24 11:45	12/26/24	1	8270C	BAL0977
Hexachlorobenzene	ND		0.136	0.424	mg/kg dry	12/16/24 11:45	12/26/24	1	8270C	BAL0977
Hexachlorobutadiene	ND		0.131	0.424	mg/kg dry	12/16/24 11:45	12/26/24	1	8270C	BAL0977
Hexachlorocyclopentadiene	ND		0.111	0.424	mg/kg dry	12/16/24 11:45	12/26/24	1	8270C	BAL0977
Hexachloroethane	ND		0.123	0.424	mg/kg dry	12/16/24 11:45	12/26/24	1	8270C	BAL0977
Indeno(1,2,3-cd)pyrene	0.204		0.002	0.085	mg/kg dry	12/16/24 11:45	12/26/24	1	8270C	BAL0977
Isophorone	ND		0.002	0.085	mg/kg dry	12/16/24 11:45	12/26/24	1	8270C	BAL0977
m,p-Cresol	ND		0.030	0.085	mg/kg dry	12/16/24 11:45	12/26/24	1	8270C	BAL0977
Naphthalene	ND		0.019	0.085	mg/kg dry	12/16/24 11:45	12/26/24	1	8270C	BAL0977
n-Decane	0.303		0.139	0.282	mg/kg dry	12/16/24 11:45	12/26/24	1	8270C	BAL0977
Nitrobenzene	ND		0.015	0.085	mg/kg dry	12/16/24 11:45	12/26/24	1	8270C	BAL0977
N-nitrosodimethylamine	ND		0.023	0.085	mg/kg dry	12/16/24 11:45	12/26/24	1	8270C	BAL0977
N-Nitroso-di-n-propylamine	ND		0.020	0.085	mg/kg dry	12/16/24 11:45	12/26/24	1	8270C	BAL0977
N-Nitrosodiphenylamine	ND		0.035	0.085	mg/kg dry	12/16/24 11:45	12/26/24	1	8270C	BAL0977
n-Octadecane	ND		0.141	0.424	mg/kg dry	12/16/24 11:45	12/26/24	1	8270C	BAL0977
O-Cresol	ND		0.029	0.085	mg/kg dry	12/16/24 11:45	12/26/24	1	8270C	BAL0977
Pentachlorophenol	ND		0.223	0.424	mg/kg dry	12/16/24 11:45	12/26/24	1	8270C	BAL0977
Phenanthrene	0.125		0.017	0.085	mg/kg dry	12/16/24 11:45	12/26/24	1	8270C	BAL0977
Phenol	ND		0.129	0.424	mg/kg dry	12/16/24 11:45	12/26/24	1	8270C	BAL0977
Pyrene	0.509		0.018	0.085	mg/kg dry	12/16/24 11:45	12/26/24	1	8270C	BAL0977
Pyridine	ND		0.088	0.424	mg/kg dry	12/16/24 11:45	12/26/24	1	8270C	BAL0977
Surrogate: 2,4,6-Tribromophenol		*43%*		*38-105*			*12/26/24*	*1*	*8270C*	
Surrogate: 2-Fluorobiphenyl		*51%*		*40-110*			*12/26/24*	*1*	*8270C*	
Surrogate: 2-Fluorophenol		*47%*		*41-105*			*12/26/24*	*1*	*8270C*	
Surrogate: 4-Terphenyl-d14		*50%*		*26-133*			*12/26/24*	*1*	*8270C*	
Surrogate: Nitrobenzene-d5		*46%*		*27-129*			*12/26/24*	*1*	*8270C*	
Surrogate: Phenol-d5		*45%*		*43-105*			*12/26/24*	*1*	*8270C*	

Analyte	Result	/Qual	DL	RL	Units	Date Sampled	Date Analyzed	DF	Method	Prep Batch
Semivolatile Organics - Prep EPA 3546										
4,4'-DDD	ND		0.000483	0.00169	mg/kg dry	12/16/24 11:45	12/18/24	1	8081	BAL0958
4,4'-DDE	0.00224		0.000509	0.00169	mg/kg dry	12/16/24 11:45	12/18/24	1	8081	BAL0958
4,4'-DDT	0.00280		0.00134	0.00169	mg/kg dry	12/16/24 11:45	12/18/24	1	8081	BAL0958
Aldrin [2]	ND		0.000242	0.000849	mg/kg dry	12/16/24 11:45	12/18/24	1	8081	BAL0958
alpha-BHC	ND		0.000420	0.000849	mg/kg dry	12/16/24 11:45	12/18/24	1	8081	BAL0958
alpha-Chlordane	ND		0.000229	0.000849	mg/kg dry	12/16/24 11:45	12/18/24	1	8081	BAL0958
beta-BHC	ND		0.000407	0.000849	mg/kg dry	12/16/24 11:45	12/18/24	1	8081	BAL0958

The contents of this report apply to the sample(s) analyzed in accordance with the chain of custody document.
No duplication of this report is allowed, except in its entirety.

Metiri Group - Geneva - 1950 S Batavia Ave, Suite 150, Geneva, IL 60134

INTERRA, Inc.	Project: INTERRA - Soil	
600 Territorial Drive, Suite G	Project Number: 9826 - Evanston Geotech and Environmental 2024	
Bolingbrook, IL 60440	Project Manager: INTERRA, Inc.	Reported: 01/08/2025 13:04

Sample Results
(Continued)

Sample: Brown-SGB-01 (Continued)
AAL1044-01 (Solid)

Analyte	Result	/Qual	DL	RL	Units	Date Sampled	Date Analyzed	DF	Method	Prep Batch
Semivolatile Organics - Prep EPA 3546 (Continued)										
delta-BHC	ND		0.000242	0.000849	mg/kg dry	12/16/24 11:45	12/18/24	1	8081	BAL0958
Dieldrin	ND		0.000522	0.00169	mg/kg dry	12/16/24 11:45	12/18/24	1	8081	BAL0958
Endosulfan I	ND		0.000204	0.000849	mg/kg dry	12/16/24 11:45	12/18/24	1	8081	BAL0958
Endosulfan II	ND		0.000433	0.00169	mg/kg dry	12/16/24 11:45	12/18/24	1	8081	BAL0958
Endosulfan sulfate	ND		0.000445	0.00169	mg/kg dry	12/16/24 11:45	12/18/24	1	8081	BAL0958
Endrin	ND		0.000547	0.00169	mg/kg dry	12/16/24 11:45	12/18/24	1	8081	BAL0958
Endrin aldehyde	ND		0.000496	0.00169	mg/kg dry	12/16/24 11:45	12/18/24	1	8081	BAL0958
Endrin ketone	ND		0.000585	0.00169	mg/kg dry	12/16/24 11:45	12/18/24	1	8081	BAL0958
GAMMA-BHC	ND		0.000267	0.000849	mg/kg dry	12/16/24 11:45	12/18/24	1	8081	BAL0958
gamma-Chlordane	ND		0.000305	0.000849	mg/kg dry	12/16/24 11:45	12/18/24	1	8081	BAL0958
Heptachlor	ND		0.000394	0.000849	mg/kg dry	12/16/24 11:45	12/18/24	1	8081	BAL0958
Heptachlor epoxide	ND		0.000204	0.000849	mg/kg dry	12/16/24 11:45	12/18/24	1	8081	BAL0958
Methoxychlor	ND		0.00789	0.00849	mg/kg dry	12/16/24 11:45	12/18/24	1	8081	BAL0958
Toxaphene	ND		0.0506	0.106	mg/kg dry	12/16/24 11:45	12/18/24	1	8081	BAL0958
Surrogate: Decachlorobiphenyl (DCB)		*79%*		*29-133*			*12/18/24*	*1*	*8081*	
Surrogate: TETRACHLORO-M-XYLENE		*64%*		*36-118*			*12/18/24*	*1*	*8081*	
Aroclor 1016	ND		0.004	0.021	mg/kg dry	12/16/24 11:45	12/31/24	1	8082	BAL1312
Aroclor 1221	ND		0.005	0.021	mg/kg dry	12/16/24 11:45	12/31/24	1	8082	BAL1312
Aroclor 1232	ND		0.004	0.021	mg/kg dry	12/16/24 11:45	12/31/24	1	8082	BAL1312
Aroclor 1242	ND		0.004	0.021	mg/kg dry	12/16/24 11:45	12/31/24	1	8082	BAL1312
Aroclor 1248	ND		0.004	0.021	mg/kg dry	12/16/24 11:45	12/31/24	1	8082	BAL1312
Aroclor 1254	ND		0.005	0.021	mg/kg dry	12/16/24 11:45	12/31/24	1	8082	BAL1312
Aroclor 1260	ND		0.008	0.021	mg/kg dry	12/16/24 11:45	12/31/24	1	8082	BAL1312
Surrogate: Decachlorobiphenyl		*52%*		*20-142*			*12/31/24*	*1*	*8082*	
Surrogate: Tetrachloro-m-xylene		*65%*		*22-123*			*12/31/24*	*1*	*8082*	

Analyte	Result	/Qual	DL	RL	Units	Date Sampled	Date Analyzed	DF	Method	Prep Batch
Metals - CVAA										
Mercury	ND		0.0559	0.122	mg/kg dry	12/16/24 11:45	01/06/25	1	7471B	BBA0134

Analyte	Result	/Qual	DL	RL	Units	Date Sampled	Date Analyzed	DF	Method	Prep Batch
Wet Chemistry										
pH	11.2		0.100	0.100	pH Units	12/16/24 11:45	12/20/24	1	SW 9045D	BAL1133
Temperature	20.8		1.00	1.00	pH Units	12/16/24 11:45	12/20/24	1	SW 9045D	BAL1133
Percent Moisture	22		1.0	1.0	%	12/16/24 11:45	12/18/24	1	ASTM-D2216	BAL0954

Analyte	Result	/Qual	DL	RL	Units	Date Sampled	Date Analyzed	DF	Method	Prep Batch
Volatile Organics - Prep EPA 5035										
1,1,1-Trichloroethane	ND		0.000388	0.000971	mg/kg dry	12/16/24 11:45	12/20/24	1	8260B	BAL1196
1,1,2,2-Tetrachloroethane	ND	S,	0.000505	0.000971	mg/kg dry	12/16/24 11:45	12/20/24	1	8260B	BAL1196
1,1,2-Trichloroethane	ND	S,	0.000486	0.000971	mg/kg dry	12/16/24 11:45	12/20/24	1	8260B	BAL1196

The contents of this report apply to the sample(s) analyzed in accordance with the chain of custody document.
No duplication of this report is allowed, except in its entirety.

Metiri Group - Geneva - 1950 S Batavia Ave, Suite 150, Geneva, IL 60134

INTERRA, Inc.	Project: INTERRA - Soil	
600 Territorial Drive, Suite G	Project Number: 9826 - Evanston Geotech and Environmental 2024	
Bolingbrook, IL 60440	Project Manager: INTERRA, Inc.	Reported: 01/08/2025 13:04

Sample Results
(Continued)

Sample: Brown-SGB-01 (Continued)
AAL1044-01 (Solid)

Volatile Organics - Prep EPA 5035 (Continued)

Analyte	Result	/Qual	DL	RL	Units	Date Sampled	Date Analyzed	DF	Method	Prep Batch
1,1-Dichloroethane	ND		0.000437	0.000971	mg/kg dry	12/16/24 11:45	12/20/24	1	8260B	BAL1196
1,1-Dichloroethene	ND		0.000466	0.000971	mg/kg dry	12/16/24 11:45	12/20/24	1	8260B	BAL1196
1,2-Dichloroethane	ND	S,	0.000320	0.000971	mg/kg dry	12/16/24 11:45	12/20/24	1	8260B	BAL1196
1,2-Dichloropropane	ND	S,	0.00159	0.00486	mg/kg dry	12/16/24 11:45	12/20/24	1	8260B	BAL1196
2-Butanone	ND	S,	0.00230	0.0194	mg/kg dry	12/16/24 11:45	12/20/24	1	8260B	BAL1196
2-Hexanone	ND	S,	0.000719	0.0243	mg/kg dry	12/16/24 11:45	12/20/24	1	8260B	BAL1196
4-Methyl-2-pentanone	ND		0.000728	0.0243	mg/kg dry	12/16/24 11:45	12/20/24	1	8260B	BAL1196
Acetone	ND	S,	0.00516	0.0243	mg/kg dry	12/16/24 11:45	12/20/24	1	8260B	BAL1196
Benzene	ND	S,	0.000301	0.000971	mg/kg dry	12/16/24 11:45	12/20/24	1	8260B	BAL1196
Bromoform	ND	S,	0.00159	0.00486	mg/kg dry	12/16/24 11:45	12/20/24	1	8260B	BAL1196
Bromomethane	ND		0.000447	0.000971	mg/kg dry	12/16/24 11:45	12/20/24	1	8260B	BAL1196
Carbon disulfide	ND		0.00146	0.00486	mg/kg dry	12/16/24 11:45	12/20/24	1	8260B	BAL1196
Carbon tetrachloride	ND	S,	0.000379	0.000971	mg/kg dry	12/16/24 11:45	12/20/24	1	8260B	BAL1196
Chlorobenzene	ND	S,	0.000282	0.000971	mg/kg dry	12/16/24 11:45	12/20/24	1	8260B	BAL1196
Chloroethane	ND		0.00267	0.00486	mg/kg dry	12/16/24 11:45	12/20/24	1	8260B	BAL1196
Chloroform	ND		0.000437	0.000971	mg/kg dry	12/16/24 11:45	12/20/24	1	8260B	BAL1196
Chloromethane	ND	S,	0.00374	0.00486	mg/kg dry	12/16/24 11:45	12/20/24	1	8260B	BAL1196
cis-1,2-Dichloroethene	ND	S,	0.000369	0.000971	mg/kg dry	12/16/24 11:45	12/20/24	1	8260B	BAL1196
cis-1,3-dichloropropene	ND	S,	0.000243	0.000971	mg/kg dry	12/16/24 11:45	12/20/24	1	8260B	BAL1196
Dibromochloromethane	ND	S,	0.000418	0.000971	mg/kg dry	12/16/24 11:45	12/20/24	1	8260B	BAL1196
Ethylbenzene	ND	S,	0.000379	0.000971	mg/kg dry	12/16/24 11:45	12/20/24	1	8260B	BAL1196
m,p-Xylene	ND	S,	0.000583	0.00194	mg/kg dry	12/16/24 11:45	12/20/24	1	8260B	BAL1196
Methyl tert-butyl ether	ND		0.000340	0.000971	mg/kg dry	12/16/24 11:45	12/20/24	1	8260B	BAL1196
Methylene chloride	ND		0.00251	0.00486	mg/kg dry	12/16/24 11:45	12/20/24	1	8260B	BAL1196
o-Xylene	ND	S,	0.000262	0.00194	mg/kg dry	12/16/24 11:45	12/20/24	1	8260B	BAL1196
Styrene	ND	S,	0.000282	0.000971	mg/kg dry	12/16/24 11:45	12/20/24	1	8260B	BAL1196
Tetrachloroethene	ND		0.000583	0.00194	mg/kg dry	12/16/24 11:45	12/20/24	1	8260B	BAL1196
Toluene	ND	S,	0.000456	0.000971	mg/kg dry	12/16/24 11:45	12/20/24	1	8260B	BAL1196
trans-1,2-Dichloroethene	ND		0.000359	0.000971	mg/kg dry	12/16/24 11:45	12/20/24	1	8260B	BAL1196
trans-1,3-dichloropropene	ND	S,	0.000253	0.000971	mg/kg dry	12/16/24 11:45	12/20/24	1	8260B	BAL1196
Trichloroethene	ND		0.000350	0.000971	mg/kg dry	12/16/24 11:45	12/20/24	1	8260B	BAL1196
Vinyl chloride	ND	S,	0.00100	0.00486	mg/kg dry	12/16/24 11:45	12/20/24	1	8260B	BAL1196
Surrogate: 4-Bromofluorobenzene	*120%*	S	*76-119*				*12/20/24*	*1*	*8260B*	
Surrogate: Dibromofluoromethane	*100%*		*66-137*				*12/20/24*	*1*	*8260B*	
Surrogate: Toluene-d8	*102%*		*80-120*				*12/20/24*	*1*	*8260B*	

Analyte	Result	/Qual	DL	RL	Units	Date Sampled	Date Analyzed	DF	Method	Prep Batch

Volatile Organics

Total 1,3-Dichloropropene	ND		0.000243	0.000971	mg/kg Dry dry	12/16/24 11:45	12/20/24	1	8260B	[CALC]
Total Xylenes	ND		0.000262	0.00194	mg/kg Dry dry	12/16/24 11:45	12/20/24	1	8260B	[CALC]

Analyte	Result	/Qual	DL	RL	Units	Date Sampled	Date Analyzed	DF	Method	Prep Batch

The contents of this report apply to the sample(s) analyzed in accordance with the chain of custody document.
No duplication of this report is allowed, except in its entirety.

Metiri Group - Geneva - 1950 S Batavia Ave, Suite 150, Geneva, IL 60134

INTERRA, Inc.	Project: INTERRA - Soil	
600 Territorial Drive, Suite G	Project Number: 9826 - Evanston Geotech and Environmental 2024	
Bolingbrook, IL 60440	Project Manager: INTERRA, Inc.	Reported: 01/08/2025 13:04

Sample Results
(Continued)

Sample: Brown-SGB-01 (Continued)
AAL1044-01 (Solid)

Analyte	Result /Qual	DL	RL	Units	Date Sampled	Date Analyzed	DF	Method	Prep Batch
Metals - ICP									
Arsenic	3.70 J	0.330	5.00	mg/kg Dry	12/16/24 11:45	12/20/24	1	6010B	BAL1165
Barium	89.3	0.530	2.50	mg/kg Dry	12/16/24 11:45	12/20/24	1	6010B	BAL1165
Cadmium	0.121 J	0.0300	0.250	mg/kg Dry	12/16/24 11:45	12/20/24	1	6010B	BAL1165
Chromium	12.8	0.0870	0.250	mg/kg Dry	12/16/24 11:45	12/20/24	1	6010B	BAL1165
Lead	15.9	0.210	1.25	mg/kg Dry	12/16/24 11:45	12/20/24	1	6010B	BAL1165
Selenium	ND	0.360	5.00	mg/kg Dry	12/16/24 11:45	12/20/24	1	6010B	BAL1165
Silver	ND	0.260	0.500	mg/kg Dry	12/16/24 11:45	12/20/24	1	6010B	BAL1165

The contents of this report apply to the sample(s) analyzed in accordance with the chain of custody document.
No duplication of this report is allowed, except in its entirety.

Metiri Group - Geneva - 1950 S Batavia Ave, Suite 150, Geneva, IL 60134

INTERRA, Inc.	Project: INTERRA - Soil	
600 Territorial Drive, Suite G	Project Number: 9826 - Evanston Geotech and Environmental 2024	
Bolingbrook, IL 60440	Project Manager: INTERRA, Inc.	Reported: 01/08/2025 13:04

Sample Results

(Continued)

Sample: Brown-SGB-02

AAL1044-02 (Solid)

Analyte	Result /Qual	DL	RL	Units	Date Sampled	Date Analyzed	DF	Method	Prep Batch
SVOC									
1,2,4-Trichlorobenzene	ND	0.032	0.082	mg/kg dry	12/16/24 13:00	12/23/24	1	8270C	BAL0977
1,2-Dichlorobenzene	ND	0.017	0.082	mg/kg dry	12/16/24 13:00	12/23/24	1	8270C	BAL0977
1,3-Dichlorobenzene	ND	0.018	0.082	mg/kg dry	12/16/24 13:00	12/23/24	1	8270C	BAL0977
1,4-Dichlorobenzene	ND	0.013	0.082	mg/kg dry	12/16/24 13:00	12/23/24	1	8270C	BAL0977
2,4,5-Trichlorophenol	ND	0.128	0.407	mg/kg dry	12/16/24 13:00	12/23/24	1	8270C	BAL0977
2,4,6-Trichlorophenol	ND	0.131	0.407	mg/kg dry	12/16/24 13:00	12/23/24	1	8270C	BAL0977
2,4-Dichlorophenol	ND	0.122	0.407	mg/kg dry	12/16/24 13:00	12/23/24	1	8270C	BAL0977
2,4-Dimethylphenol	ND	0.197	0.407	mg/kg dry	12/16/24 13:00	12/23/24	1	8270C	BAL0977
2,4-Dinitrophenol	ND	0.258	0.407	mg/kg dry	12/16/24 13:00	12/23/24	1	8270C	BAL0977
2,4-Dinitrotoluene	ND	0.022	0.082	mg/kg dry	12/16/24 13:00	12/23/24	1	8270C	BAL0977
2,6-Dinitrotoluene	ND	0.018	0.082	mg/kg dry	12/16/24 13:00	12/23/24	1	8270C	BAL0977
2-Chloronaphthalene	ND	0.021	0.082	mg/kg dry	12/16/24 13:00	12/23/24	1	8270C	BAL0977
2-Chlorophenol	ND	0.116	0.407	mg/kg dry	12/16/24 13:00	12/23/24	1	8270C	BAL0977
2-Methylnaphthalene	ND	0.022	0.082	mg/kg dry	12/16/24 13:00	12/23/24	1	8270C	BAL0977
2-Nitroaniline	ND	0.136	0.407	mg/kg dry	12/16/24 13:00	12/23/24	1	8270C	BAL0977
2-Nitrophenol	ND	0.138	0.407	mg/kg dry	12/16/24 13:00	12/23/24	1	8270C	BAL0977
3,3-Dichlorobenzidine	ND	0.121	0.407	mg/kg dry	12/16/24 13:00	12/23/24	1	8270C	BAL0977
3-Nitroaniline	ND	0.062	0.407	mg/kg dry	12/16/24 13:00	12/23/24	1	8270C	BAL0977
4,6-Dinitro-2-methylphenol	ND	0.121	0.407	mg/kg dry	12/16/24 13:00	12/23/24	1	8270C	BAL0977
4-Bromophenyl phenyl ether	ND	0.022	0.082	mg/kg dry	12/16/24 13:00	12/23/24	1	8270C	BAL0977
4-Chloro-3-methylphenol	ND	0.126	0.407	mg/kg dry	12/16/24 13:00	12/23/24	1	8270C	BAL0977
4-Chloroaniline	ND	0.097	0.407	mg/kg dry	12/16/24 13:00	12/23/24	1	8270C	BAL0977
4-Chlorophenyl phenyl ether	ND	0.016	0.082	mg/kg dry	12/16/24 13:00	12/23/24	1	8270C	BAL0977
4-Nitroaniline	ND	0.079	0.407	mg/kg dry	12/16/24 13:00	12/23/24	1	8270C	BAL0977
4-Nitrophenol	ND	0.111	0.407	mg/kg dry	12/16/24 13:00	12/23/24	1	8270C	BAL0977
Acenaphthene	ND	0.020	0.082	mg/kg dry	12/16/24 13:00	12/23/24	1	8270C	BAL0977
Acenaphthylene	ND	0.017	0.082	mg/kg dry	12/16/24 13:00	12/23/24	1	8270C	BAL0977
Aniline	ND	0.083	0.407	mg/kg dry	12/16/24 13:00	12/23/24	1	8270C	BAL0977
Anthracene	ND	0.015	0.082	mg/kg dry	12/16/24 13:00	12/23/24	1	8270C	BAL0977
Azobenzene	ND	0.012	0.082	mg/kg dry	12/16/24 13:00	12/23/24	1	8270C	BAL0977
Benzidine	ND	0.086	1.02	mg/kg dry	12/16/24 13:00	12/23/24	1	8270C	BAL0977
Benzo(a)anthracene	ND	0.012	0.082	mg/kg dry	12/16/24 13:00	12/23/24	1	8270C	BAL0977
Benzo(a)pyrene	ND	0.016	0.082	mg/kg dry	12/16/24 13:00	12/23/24	1	8270C	BAL0977
Benzo(b)fluoranthene	ND	0.016	0.082	mg/kg dry	12/16/24 13:00	12/23/24	1	8270C	BAL0977
Benzo(g,h,i)perylene	ND	0.020	0.082	mg/kg dry	12/16/24 13:00	12/23/24	1	8270C	BAL0977
Benzo(k)fluoranthene	ND	0.013	0.082	mg/kg dry	12/16/24 13:00	12/23/24	1	8270C	BAL0977
Benzoic acid	ND	0.139	0.407	mg/kg dry	12/16/24 13:00	12/23/24	1	8270C	BAL0977
Benzyl alcohol	ND	0.150	0.407	mg/kg dry	12/16/24 13:00	12/23/24	1	8270C	BAL0977
Bis(2-chloroethoxy)methane	ND	0.023	0.082	mg/kg dry	12/16/24 13:00	12/23/24	1	8270C	BAL0977
bis(2-Chloroethyl)ether	ND	0.035	0.082	mg/kg dry	12/16/24 13:00	12/23/24	1	8270C	BAL0977
Bis(2-chloroisopropyl)ether	ND	0.029	0.082	mg/kg dry	12/16/24 13:00	12/23/24	1	8270C	BAL0977
Bis(2-ethylhexyl)phthalate	ND	0.144	0.407	mg/kg dry	12/16/24 13:00	12/23/24	1	8270C	BAL0977
Butyl benzyl phthalate	ND	0.143	0.407	mg/kg dry	12/16/24 13:00	12/23/24	1	8270C	BAL0977
Carbazole	ND	0.016	0.082	mg/kg dry	12/16/24 13:00	12/23/24	1	8270C	BAL0977
Chrysene	ND	0.016	0.082	mg/kg dry	12/16/24 13:00	12/23/24	1	8270C	BAL0977

The contents of this report apply to the sample(s) analyzed in accordance with the chain of custody document.
No duplication of this report is allowed, except in its entirety.

Metiri Group - Geneva - 1950 S Batavia Ave, Suite 150, Geneva, IL 60134

INTERRA, Inc.	Project: INTERRA - Soil	
600 Territorial Drive, Suite G	Project Number: 9826 - Evanston Geotech and Environmental 2024	
Bolingbrook, IL 60440	Project Manager: INTERRA, Inc.	Reported: 01/08/2025 13:04

Sample Results
(Continued)

Sample: Brown-SGB-02 (Continued)
AAL1044-02 (Solid)

SVOC (Continued)

Analyte	Result	/Qual	DL	RL	Units	Date Sampled	Date Analyzed	DF	Method	Prep Batch
Dibenzo(a,h)anthracene	ND		0.021	0.082	mg/kg dry	12/16/24 13:00	12/23/24	1	8270C	BAL0977
Dibenzofuran	ND		0.018	0.082	mg/kg dry	12/16/24 13:00	12/23/24	1	8270C	BAL0977
Diethyl phthalate	ND		0.120	0.407	mg/kg dry	12/16/24 13:00	12/23/24	1	8270C	BAL0977
Dimethyl phthalate	ND		0.133	0.407	mg/kg dry	12/16/24 13:00	12/23/24	1	8270C	BAL0977
Di-n-butyl phthalate	ND		0.111	0.407	mg/kg dry	12/16/24 13:00	12/23/24	1	8270C	BAL0977
Di-n-octyl phthalate	ND		0.160	0.407	mg/kg dry	12/16/24 13:00	12/23/24	1	8270C	BAL0977
Fluoranthene	ND		0.013	0.082	mg/kg dry	12/16/24 13:00	12/23/24	1	8270C	BAL0977
Fluorene	ND		0.018	0.082	mg/kg dry	12/16/24 13:00	12/23/24	1	8270C	BAL0977
Hexachlorobenzene	ND		0.131	0.407	mg/kg dry	12/16/24 13:00	12/23/24	1	8270C	BAL0977
Hexachlorobutadiene	ND		0.126	0.407	mg/kg dry	12/16/24 13:00	12/23/24	1	8270C	BAL0977
Hexachlorocyclopentadiene	ND		0.106	0.407	mg/kg dry	12/16/24 13:00	12/23/24	1	8270C	BAL0977
Hexachloroethane	ND		0.119	0.407	mg/kg dry	12/16/24 13:00	12/23/24	1	8270C	BAL0977
Indeno(1,2,3-cd)pyrene	ND		0.002	0.082	mg/kg dry	12/16/24 13:00	12/23/24	1	8270C	BAL0977
Isophorone	ND		0.002	0.082	mg/kg dry	12/16/24 13:00	12/23/24	1	8270C	BAL0977
m,p-Cresol	ND		0.029	0.082	mg/kg dry	12/16/24 13:00	12/23/24	1	8270C	BAL0977
Naphthalene	ND		0.018	0.082	mg/kg dry	12/16/24 13:00	12/23/24	1	8270C	BAL0977
n-Decane	ND		0.133	0.271	mg/kg dry	12/16/24 13:00	12/23/24	1	8270C	BAL0977
Nitrobenzene	ND		0.015	0.082	mg/kg dry	12/16/24 13:00	12/23/24	1	8270C	BAL0977
N-nitrosodimethylamine	ND		0.022	0.082	mg/kg dry	12/16/24 13:00	12/23/24	1	8270C	BAL0977
N-Nitroso-di-n-propylamine	ND		0.020	0.082	mg/kg dry	12/16/24 13:00	12/23/24	1	8270C	BAL0977
N-Nitrosodiphenylamine	ND		0.034	0.082	mg/kg dry	12/16/24 13:00	12/23/24	1	8270C	BAL0977
n-Octadecane	ND		0.136	0.407	mg/kg dry	12/16/24 13:00	12/23/24	1	8270C	BAL0977
O-Cresol	ND		0.028	0.082	mg/kg dry	12/16/24 13:00	12/23/24	1	8270C	BAL0977
Pentachlorophenol	ND		0.214	0.407	mg/kg dry	12/16/24 13:00	12/23/24	1	8270C	BAL0977
Phenanthrene	ND		0.016	0.082	mg/kg dry	12/16/24 13:00	12/23/24	1	8270C	BAL0977
Phenol	ND		0.123	0.407	mg/kg dry	12/16/24 13:00	12/23/24	1	8270C	BAL0977
Pyrene	ND		0.017	0.082	mg/kg dry	12/16/24 13:00	12/23/24	1	8270C	BAL0977
Pyridine	ND		0.084	0.407	mg/kg dry	12/16/24 13:00	12/23/24	1	8270C	BAL0977
Surrogate: 2,4,6-Tribromophenol		*43%*		*38-105*			*12/23/24*	*1*	*8270C*	
Surrogate: 2-Fluorobiphenyl		*55%*		*40-110*			*12/23/24*	*1*	*8270C*	
Surrogate: 2-Fluorophenol		*53%*		*41-105*			*12/23/24*	*1*	*8270C*	
Surrogate: 4-Terphenyl-d14		*46%*		*26-133*			*12/23/24*	*1*	*8270C*	
Surrogate: Nitrobenzene-d5		*50%*		*27-129*			*12/23/24*	*1*	*8270C*	
Surrogate: Phenol-d5		*48%*		*43-105*			*12/23/24*	*1*	*8270C*	

Analyte	Result	/Qual	DL	RL	Units	Date Sampled	Date Analyzed	DF	Method	Prep Batch

Semivolatile Organics - Prep EPA 3546

4,4´-DDD	ND		0.000466	0.00163	mg/kg dry	12/16/24 13:00	12/30/24	1	8081	BAL1309
4,4´-DDE	ND		0.000490	0.00163	mg/kg dry	12/16/24 13:00	12/30/24	1	8081	BAL1309
4,4´-DDT	ND		0.00129	0.00163	mg/kg dry	12/16/24 13:00	12/30/24	1	8081	BAL1309
Aldrin	ND		0.000233	0.000817	mg/kg dry	12/16/24 13:00	12/30/24	1	8081	BAL1309
alpha-BHC	ND		0.000404	0.000817	mg/kg dry	12/16/24 13:00	12/30/24	1	8081	BAL1309
alpha-Chlordane	ND		0.000221	0.000817	mg/kg dry	12/16/24 13:00	12/30/24	1	8081	BAL1309
beta-BHC	ND		0.000392	0.000817	mg/kg dry	12/16/24 13:00	12/30/24	1	8081	BAL1309

The contents of this report apply to the sample(s) analyzed in accordance with the chain of custody document.
No duplication of this report is allowed, except in its entirety.

Metiri Group - Geneva - 1950 S Batavia Ave, Suite 150, Geneva, IL 60134

INTERRA, Inc.	Project: INTERRA - Soil	
600 Territorial Drive, Suite G	Project Number: 9826 - Evanston Geotech and Environmental 2024	
Bolingbrook, IL 60440	Project Manager: INTERRA, Inc.	Reported: 01/08/2025 13:04

Sample Results
(Continued)

Sample: Brown-SGB-02 (Continued)
AAL1044-02 (Solid)

Analyte	Result	/Qual	DL	RL	Units	Date Sampled	Date Analyzed	DF	Method	Prep Batch
Semivolatile Organics - Prep EPA 3546 (Continued)										
Chlordane, Technical	ND		0.0241	0.0408	mg/kg dry	12/16/24 13:00	12/30/24	1	8081	BAL1309
delta-BHC	ND		0.000233	0.000817	mg/kg dry	12/16/24 13:00	12/30/24	1	8081	BAL1309
Dieldrin	ND		0.000502	0.00163	mg/kg dry	12/16/24 13:00	12/30/24	1	8081	BAL1309
Endosulfan I	ND		0.000196	0.000817	mg/kg dry	12/16/24 13:00	12/30/24	1	8081	BAL1309
Endosulfan II	ND		0.000417	0.00163	mg/kg dry	12/16/24 13:00	12/30/24	1	8081	BAL1309
Endosulfan sulfate	ND		0.000429	0.00163	mg/kg dry	12/16/24 13:00	12/30/24	1	8081	BAL1309
Endrin	ND		0.000527	0.00163	mg/kg dry	12/16/24 13:00	12/30/24	1	8081	BAL1309
Endrin aldehyde	ND		0.000478	0.00163	mg/kg dry	12/16/24 13:00	12/30/24	1	8081	BAL1309
Endrin ketone	ND		0.000564	0.00163	mg/kg dry	12/16/24 13:00	12/30/24	1	8081	BAL1309
gamma-BHC	ND		0.000257	0.000817	mg/kg dry	12/16/24 13:00	12/30/24	1	8081	BAL1309
gamma-Chlordane	ND		0.000294	0.000817	mg/kg dry	12/16/24 13:00	12/30/24	1	8081	BAL1309
Heptachlor	ND		0.000380	0.000817	mg/kg dry	12/16/24 13:00	12/30/24	1	8081	BAL1309
Heptachlor epoxide	ND		0.000196	0.000817	mg/kg dry	12/16/24 13:00	12/30/24	1	8081	BAL1309
Methoxychlor	ND		0.00760	0.00817	mg/kg dry	12/16/24 13:00	12/30/24	1	8081	BAL1309
Toxaphene	ND		0.0488	0.102	mg/kg dry	12/16/24 13:00	12/30/24	1	8081	BAL1309
Surrogate: Decachlorobiphenyl		*72%*		*29-133*			*12/30/24*	*1*	*8081*	
Surrogate: Tetrachloro-m-xylene		*55%*		*36-118*			*12/30/24*	*1*	*8081*	
AROCLOR 1016	ND		0.004	0.021	mg/kg dry	12/16/24 13:00	12/18/24	1	8082	BAL0958
AROCLOR 1221	ND		0.005	0.021	mg/kg dry	12/16/24 13:00	12/18/24	1	8082	BAL0958
AROCLOR 1232	ND		0.004	0.021	mg/kg dry	12/16/24 13:00	12/18/24	1	8082	BAL0958
AROCLOR 1242	ND		0.004	0.021	mg/kg dry	12/16/24 13:00	12/18/24	1	8082	BAL0958
AROCLOR 1248	ND		0.004	0.021	mg/kg dry	12/16/24 13:00	12/18/24	1	8082	BAL0958
AROCLOR 1254	ND		0.005	0.021	mg/kg dry	12/16/24 13:00	12/18/24	1	8082	BAL0958
AROCLOR 1260	ND		0.008	0.021	mg/kg dry	12/16/24 13:00	12/18/24	1	8082	BAL0958
AROCLOR 1262	ND		0.004	0.021	mg/kg dry	12/16/24 13:00	12/18/24	1	8082	BAL0958
AROCLOR 1268	ND		0.003	0.021	mg/kg dry	12/16/24 13:00	12/18/24	1	8082	BAL0958
Surrogate: Decachlorobiphenyl (DCB)		*62%*		*20-142*			*12/18/24*	*1*	*8082*	
Surrogate: TETRACHLORO-M-XYLENE		*59%*		*22-123*			*12/18/24*	*1*	*8082*	

Analyte	Result	/Qual	DL	RL	Units	Date Sampled	Date Analyzed	DF	Method	Prep Batch
Metals - CVAA										
Mercury	ND		0.0539	0.118	mg/kg dry	12/16/24 13:00	01/06/25	1	7471B	BBA0134

Analyte	Result	/Qual	DL	RL	Units	Date Sampled	Date Analyzed	DF	Method	Prep Batch
Wet Chemistry										
pH	9.28		0.100	0.100	pH Units	12/16/24 13:00	12/20/24	1	SW 9045D	BAL1133
Temperature	20.6		1.00	1.00	pH Units	12/16/24 13:00	12/20/24	1	SW 9045D	BAL1133
Percent Moisture	19		1.0	1.0	%	12/16/24 13:00	12/18/24	1	ASTM-D2216	BAL0954

Analyte	Result	/Qual	DL	RL	Units	Date Sampled	Date Analyzed	DF	Method	Prep Batch
Volatile Organics - Prep EPA 5035										

The contents of this report apply to the sample(s) analyzed in accordance with the chain of custody document.
No duplication of this report is allowed, except in its entirety.

Metiri Group - Geneva - 1950 S Batavia Ave, Suite 150, Geneva, IL 60134

INTERRA, Inc.	Project: INTERRA - Soil	
600 Territorial Drive, Suite G	Project Number: 9826 - Evanston Geotech and Environmental 2024	
Bolingbrook, IL 60440	Project Manager: INTERRA, Inc.	Reported: 01/08/2025 13:04

Sample Results
(Continued)

Sample: Brown-SGB-02 (Continued)
AAL1044-02 (Solid)

Analyte	Result /Qual	DL	RL	Units	Date Sampled	Date Analyzed	DF	Method	Prep Batch
Volatile Organics - Prep EPA 5035 (Continued)									
1,1,1-Trichloroethane	ND	0.000359	0.000897	mg/kg dry	12/16/24 13:00	12/26/24	1	8260B	BAL1337
1,1,2,2-Tetrachloroethane	ND	0.000466	0.000897	mg/kg dry	12/16/24 13:00	12/26/24	1	8260B	BAL1337
1,1,2-Trichloroethane	ND	0.000448	0.000897	mg/kg dry	12/16/24 13:00	12/26/24	1	8260B	BAL1337
1,1-Dichloroethane	ND	0.000403	0.000897	mg/kg dry	12/16/24 13:00	12/26/24	1	8260B	BAL1337
1,1-Dichloroethene	ND	0.000430	0.000897	mg/kg dry	12/16/24 13:00	12/26/24	1	8260B	BAL1337
1,2-Dichloroethane	ND	0.000296	0.000897	mg/kg dry	12/16/24 13:00	12/26/24	1	8260B	BAL1337
1,2-Dichloropropane	ND	0.00147	0.00448	mg/kg dry	12/16/24 13:00	12/26/24	1	8260B	BAL1337
2-Butanone	ND	0.00212	0.0179	mg/kg dry	12/16/24 13:00	12/26/24	1	8260B	BAL1337
2-Hexanone	ND	0.000663	0.0224	mg/kg dry	12/16/24 13:00	12/26/24	1	8260B	BAL1337
4-Methyl-2-pentanone	ND	0.000672	0.0224	mg/kg dry	12/16/24 13:00	12/26/24	1	8260B	BAL1337
Acetone	ND	0.00476	0.0224	mg/kg dry	12/16/24 13:00	12/26/24	1	8260B	BAL1337
Benzene	ND	0.000278	0.000897	mg/kg dry	12/16/24 13:00	12/26/24	1	8260B	BAL1337
Bromoform	ND	0.00147	0.00448	mg/kg dry	12/16/24 13:00	12/26/24	1	8260B	BAL1337
Bromomethane	ND	0.000412	0.000897	mg/kg dry	12/16/24 13:00	12/26/24	1	8260B	BAL1337
Carbon disulfide	ND	0.00134	0.00448	mg/kg dry	12/16/24 13:00	12/26/24	1	8260B	BAL1337
Carbon tetrachloride	ND	0.000350	0.000897	mg/kg dry	12/16/24 13:00	12/26/24	1	8260B	BAL1337
Chlorobenzene	ND	0.000260	0.000897	mg/kg dry	12/16/24 13:00	12/26/24	1	8260B	BAL1337
Chloroethane	ND	0.00247	0.00448	mg/kg dry	12/16/24 13:00	12/26/24	1	8260B	BAL1337
Chloroform	ND	0.000403	0.000897	mg/kg dry	12/16/24 13:00	12/26/24	1	8260B	BAL1337
Chloromethane	ND	0.00345	0.00448	mg/kg dry	12/16/24 13:00	12/26/24	1	8260B	BAL1337
cis-1,2-Dichloroethene	ND	0.000341	0.000897	mg/kg dry	12/16/24 13:00	12/26/24	1	8260B	BAL1337
cis-1,3-dichloropropene	ND	0.000224	0.000897	mg/kg dry	12/16/24 13:00	12/26/24	1	8260B	BAL1337
Dibromochloromethane	ND	0.000386	0.000897	mg/kg dry	12/16/24 13:00	12/26/24	1	8260B	BAL1337
Ethylbenzene	ND	0.000350	0.000897	mg/kg dry	12/16/24 13:00	12/26/24	1	8260B	BAL1337
m,p-Xylene	ND	0.000538	0.00179	mg/kg dry	12/16/24 13:00	12/26/24	1	8260B	BAL1337
Methyl tert-butyl ether	ND	0.000314	0.000897	mg/kg dry	12/16/24 13:00	12/26/24	1	8260B	BAL1337
Methylene chloride	ND	0.00231	0.00448	mg/kg dry	12/16/24 13:00	12/26/24	1	8260B	BAL1337
o-Xylene	ND	0.000242	0.00179	mg/kg dry	12/16/24 13:00	12/26/24	1	8260B	BAL1337
Styrene	ND	0.000260	0.000897	mg/kg dry	12/16/24 13:00	12/26/24	1	8260B	BAL1337
Tetrachloroethene	ND	0.000538	0.00179	mg/kg dry	12/16/24 13:00	12/26/24	1	8260B	BAL1337
Toluene	ND	0.000421	0.000897	mg/kg dry	12/16/24 13:00	12/26/24	1	8260B	BAL1337
trans-1,2-Dichloroethene	ND	0.000332	0.000897	mg/kg dry	12/16/24 13:00	12/26/24	1	8260B	BAL1337
trans-1,3-dichloropropene	ND	0.000233	0.000897	mg/kg dry	12/16/24 13:00	12/26/24	1	8260B	BAL1337
Trichloroethene	ND	0.000323	0.000897	mg/kg dry	12/16/24 13:00	12/26/24	1	8260B	BAL1337
Vinyl chloride	ND	0.000923	0.00448	mg/kg dry	12/16/24 13:00	12/26/24	1	8260B	BAL1337
Surrogate: 4-Bromofluorobenzene	*101%*		*76-119*			*12/26/24*	*1*	*8260B*	
Surrogate: Dibromofluoromethane	*114%*		*66-137*			*12/26/24*	*1*	*8260B*	
Surrogate: Toluene-d8	*104%*		*80-120*			*12/26/24*	*1*	*8260B*	

Analyte	Result /Qual	DL	RL	Units	Date Sampled	Date Analyzed	DF	Method	Prep Batch
Volatile Organics									
Total 1,3-Dichloropropene	ND	0.000224	0.000897	mg/kg Dry dry	12/16/24 13:00	12/26/24	1	8260B	[CALC]

The contents of this report apply to the sample(s) analyzed in accordance with the chain of custody document.
No duplication of this report is allowed, except in its entirety.

Metiri Group - Geneva - 1950 S Batavia Ave, Suite 150, Geneva, IL 60134

INTERRA, Inc.	Project: INTERRA - Soil	
600 Territorial Drive, Suite G	Project Number: 9826 - Evanston Geotech and Environmental 2024	
Bolingbrook, IL 60440	Project Manager: INTERRA, Inc.	Reported: 01/08/2025 13:04

Sample Results
(Continued)

Sample: Brown-SGB-02 (Continued)
AAL1044-02 (Solid)

Analyte	Result	/Qual	DL	RL	Units	Date Sampled	Date Analyzed	DF	Method	Prep Batch
Volatile Organics (Continued)										
Total Xylenes	ND		0.000242	0.00179	mg/kg Dry dry	12/16/24 13:00	12/26/24	1	8260B	[CALC]

Analyte	Result	/Qual	DL	RL	Units	Date Sampled	Date Analyzed	DF	Method	Prep Batch
Metals - ICP										
Arsenic	2.91	J	0.330	5.00	mg/kg Dry	12/16/24 13:00	12/20/24	1	6010B	BAL1165
Barium	29.5		0.530	2.50	mg/kg Dry	12/16/24 13:00	12/20/24	1	6010B	BAL1165
Cadmium	0.0631	J	0.0300	0.250	mg/kg Dry	12/16/24 13:00	12/20/24	1	6010B	BAL1165
Chromium	10.6		0.0870	0.250	mg/kg Dry	12/16/24 13:00	12/20/24	1	6010B	BAL1165
Lead	8.77		0.210	1.25	mg/kg Dry	12/16/24 13:00	12/20/24	1	6010B	BAL1165
Selenium	0.409	J	0.360	5.00	mg/kg Dry	12/16/24 13:00	12/20/24	1	6010B	BAL1165
Silver	ND		0.260	0.500	mg/kg Dry	12/16/24 13:00	12/20/24	1	6010B	BAL1165

The contents of this report apply to the sample(s) analyzed in accordance with the chain of custody document.
No duplication of this report is allowed, except in its entirety.

Metiri Group - Geneva - 1950 S Batavia Ave, Suite 150, Geneva, IL 60134

INTERRA, Inc.	Project: INTERRA - Soil	
600 Territorial Drive, Suite G	Project Number: 9826 - Evanston Geotech and Environmental 2024	
Bolingbrook, IL 60440	Project Manager: INTERRA, Inc.	Reported: 01/08/2025 13:04

8260 SRP Package

8260 SRP

The contents of this report apply to the sample(s) analyzed in accordance with the chain of custody document.
No duplication of this report is allowed, except in its entirety.

SUBURBAN LABORATORIES, Inc.

1950 S. Batavia Ave. Ste. 150 Geneva, IL 60134 Tel. 708.544.3260 login@suburbanlabs.com www.suburbanlabs.com

CHAIN OF CUSTODY RECORD

Page 1 of 1

Interra

Comp: 600 Territorial Dr. Suite G

City: Bolingbrook State: IL Zip: 60440

Office: 630-754-8700 Fax: 630-754-8700

Email Address: aguntaka@interraservices.com

Project ID / Location: 9826 - Evanston Geotech & Environmental - 2024

Project Manager (Report to): aguntaka@interraservices.com; reshmac@interraservices.com

Sample Collector(s): Paul Sponaugle

PO #:

Report Type: ☐ Normal ☐ Special*

* Additional charges apply for QC reports and raw data. Specify in comments section

Shipping Method:

TURNAROUND TIME REQUESTED

☒ Normal ☐ RUSH*

* Must be pre-approved and surcharges apply. Checking this box indicates your approval of surcharges.

Date and Time Report Needed:

Specify Regulatory Program: ☐ None/Info Only

☐ LUST ☐ SRP ☐ SDWA

☐ 503 Sludge ☐ NPDES ☐ MWRDGC

☐ Disposal ☐ CCDD ☒ OTHER - Specify Below

ANALYSIS & METHOD REQUESTED
Enter an "X" in box below for request

LAB USE ONLY

Work Order #:

Temperature of Received Samples: 2.0 °C

Received within 24 hours of collection? ☐ No ☐ Yes

	SAMPLE IDENTIFICATION (Use 1 line per container type)	COLLECTION DATE	COLLECTION TIME	MATRIX	GRAB/ COMP.	CONTAINERS Qty	CONTAINERS SIZE & TYPE	PRESERVATIVE	VOCs	SVOCs	RCRA Metals (8)	PCBs	Pesticides	pH	Lab Comment	LAB #
1	Brown-SGB-01	12-16-24	1145	Soil	Grab	5			X	X	X	X	X	X		
2	Brown-SGB-02	12-16-24	1300	Soil	Grab	5			X	X	X	X	X	X		
3																
4																
5																
6																
7																
8							Pres									
9																
10																
11																
12																

MATRIX: Drinking Water (DW), Soil (S), Waste Water (WW), Surface Water(SW), Ground Water (GW), Solid Waste (WA), Sludge (U), Wipe (P) CONTAINER: 2oz, 4oz, 8oz, 40ml Vial, 500ml, Liter (L), Tube, Glass (G), Plastic (P) PRESERVATIVE: H_2SO_4, HCl, HNO_3, Methanol (MeOH) NaOH, Sodium Bisulfate (NaB), NaThio

COMMENTS & SPECIAL INSTRUCTIONS:

Regulatory Programs:
CCDD Mac
TACO Residential
TACO Industrial/Commercial

AAL1044

INTERRA, Inc.

1. Relinquished By	Date	2. Relinquished By	Date	3. Relinquished By	Date	4. Relinquished By	Date
	12/17/2024		12/17/24				
Received By ☐ Ice	Time 1105	Received By ☐ Ice	Time 2:00	Received By ☐ Ice	Time	Received By ☐ Ice	Time

THIS FORM MUST BE FILLED OUT COMPLETELY BY THE SAMPLE COLLECTOR OR SUBMITTER AND ORIGINAL FORM MUST ACCOMPANY SAMPLES AT ALL TIMES.

Rev 2/17

Appendix 4 of Bid Doc 25-10: Geotechnical Reports

INTERRA
Engineering • Inspection • Testing

600 Territorial Drive, Suite G, Bolingbrook, IL 60440

Phone: 630-754-8700, Fax: 630-754-8705

www.interraservices.com

Geotechnical Data Report

2025 Water Main Improvement Projects

Hartrey Avenue from Church Street to Emerson Street

City of Evanston, Cook County, Illinois

01/03/2025

Prepared for:

City of Evanston

2100 Ridge Avenue

Evanston, IL 60201

INTERRA
Engineering • Inspection • Testing

600 Territorial Drive, Suite G
Bolingbrook, IL 60440

p: 630-754-8700
f: 630-754-8705

Interra Project No: 9826

1/3/2025

Ms. Bridget Nash, PE

Capital Planning & Engineering

Public Works Agency

City of Evanston

2100 Ridge Avenue

Evanston, IL 60201

Geotechnical Data Report

2025 Water Main Improvement Projects

Hartrey Avenue from Church Street to Emerson Street

City of Evanston, Cook County, Illinois

Dear Ms. Nash:

Interra, Inc. (INTERRA) is pleased to submit this report on geotechnical investigation performed at the above referenced project location in Evanston, Illinois. We understand that the purpose of the investigation is to aid in the design of improvements for the above referenced water main.

Scope of Work

The scope of work consisted of drilling four (4) boreholes to a depth of 10 feet below existing surface, performing associated laboratory tests on the recovered soil samples and preparation of geotechnical data report. The borehole locations are presented in the attached Location Map.

Field Work

The boreholes were located in the field by INTERRA as shown in the attached borehole location plan. The drilling sub-contractor, Geocon Professional Services (GEOCON) obtained underground utility clearances prior to drilling. Drilling was performed using a hollow stem auger. INTERRA's geologist was present during the drilling to collect and log the soil samples. Soil sampling was performed as per AASHTO T-206, "Penetration Test and Split Barrel Sampling of Soils". Soil sampling was performed at 2.5-foot intervals up

to the exploration depth of 10 feet. Unconfined compressive strength tests were performed on cohesive samples using an Illinois modified RIMAC tester. Cohesive samples that could not be tested with a RIMAC tester were tested with a pocket penetrometer to estimate the unconfined compressive strength. Observation for ground water was made during drilling and immediately after the completion of drilling and the information was recorded on the borehole logs. The borehole was immediately backfilled upon completion of drilling. In addition to groundwater information, blow-count data and soil description were also recorded on the field borehole logs. Soil samples obtained from the drilling operations were immediately sealed in the field and returned to our Bolingbrook, Illinois laboratory for further examination and testing.

Laboratory Work

The laboratory work for this project consisted of performing moisture content tests (AASHTO T 265) on all samples recovered from the boreholes. All soil samples will be retained in our Bolingbrook, Illinois laboratory for a period of sixty days, after which they will be discarded unless other instructions as to their disposal are received.

Subsurface Soil Conditions

Boring Hartrey-SGB-01 encountered 8.0 inches of asphalt and 4.0 inches of gravel base course at the surface. This was followed by hard silty clay up to 3.0 feet, and very stiff to stiff silty clay up to 10.0 feet. Boring was terminated at 10.0 feet depth.

Boring Hartrey-SGB-02 encountered 6.0 inches of asphalt and 3.0 inches of gravel base course at the surface. This was underlain by very stiff to stiff silty clay up to 5.5 feet. Below this was very stiff to stiff clay up to 10.0 feet. Boring was terminated at 10.0 feet depth.

Boring Hartrey-SGB-03 encountered 6.0 inches of asphalt and 4.0 inches of gravel base course at the surface. This was underlain by hard clay loam up to 5.5 feet, hard silty clay up to 8.0 feet and medium stiff silty clay up to 10.0 feet. Boring was terminated at 10.0 feet depth.

Boring Hartrey-SGB-04 encountered 6.0 inches of asphalt and 4.0 inches of gravel base course at the surface. This was underlain by stiff to hard silty clay up to 8.0 feet. Below this was stiff clay up to the exploration depth of 10.0 feet.

Please refer to the attached boring logs for detailed soil stratification. In addition to the soil description, the borehole logs also indicate the Standard Penetration Blow Count Data (SPT-N), laboratory test results and groundwater information.

Ground Water Information

Observations for ground water were made during and immediately after the completion of drilling. No groundwater was observed in the boreholes during or upon completion. As the boreholes were backfilled immediately after completion of drilling, long term water levels could not be obtained. Since the water levels were measured in a relatively short period of time, the measured groundwater levels may not represent true groundwater conditions. Generally, a change in color of soil from brown to gray indicates long term ground water levels. Fluctuations in water levels should be expected due to seasonal variations, precipitation and surface run-off.

Closure

The analysis and recommendations submitted in this report are based upon the data obtained from the soil borings performed at the locations indicated on the location map. This report does not reflect any variations that may occur between boreholes. In performing subsurface explorations, specific information is obtained at specific locations at specific times. It is a well-known fact that variations in soil and rock conditions exist on most sites between borehole locations. Also, groundwater levels vary from time to time. The nature and extent of variations may not become evident until the course of construction. If variations then appear evident, it will be necessary for a re-evaluation of the findings of this report after performing on-site observations during the construction period and noting the characteristics of any variations.

We appreciate the opportunity to be of service to you. Should you need additional information or clarifications, please call us at (630) 754-8700.

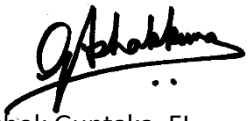
Yours truly,

Interra, Inc.



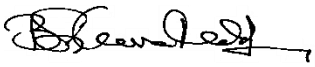
Reshma Chirakkara, Ph.D.

Project Engineer



Ashok Guntaka, EI

Project Manager



Sanjeev Bandi, Ph.D., PE

Principal Engineer

2025 Water Main Improvement Projects
Hartrey Avenue from Church Street to Emerson Street
INTERRA Project No. 9826
Date: 12/16/2024

Hartrey-SGB-01
Hartrey-SGB-02
Hartrey-SGB-03
Hartrey-SGB-04

Emerson St
New Hope Christian Methodist...
Tabernacle Missionary Baptist Church
Brown Street Cla
Lemar Ave
Laurel Ave
Hartrey Ave
Grey Ave
Hoyland Ct
Brown Ave
Dodge Ave
Lyons St
Leland Ave
ETHS Transition House
EVANSTON
WILDKITS
Lazier Field
Carachure Remodeling, INC
Artery Aquatics
Global Evangelistic Ministries
Spice Restaurant
Andyn's Snowcones
Church St
Google Earth
N
500 ft

Interra, Inc.
600 Territorial Drive, Suite G
Bolingbrook, IL 60440
www.interraservices.com

SOIL BORING LOG

Date 12/16/24

ROUTE Various **DESCRIPTION** Hartrey Ave. from Church St. to Emerson St. **LOGGED BY** Sponaugle

SECTION Various **LOCATION** E: 1155278.4; N: 1962042.2

COUNTY Cook County **DRILLING METHOD** Solid Stem Auger **HAMMER TYPE** D-50 (Auto 98.2% efficiency)

STRUCT. NO. NA
Station NA

BORING NO. Hartrey-SGB-01
Station NA
Offset
Ground Surface Elev. 596.30 ft

Surface Water Elev. NA ft
Stream Bed Elev. NA ft

Groundwater Elev.:
First Encounter Dry ft
Upon Completion Dry ft
After NA **Hrs.** Filled ft

	DEPTH (ft)	BLOWS (/6")	UCS Qu (tsf)	MOIST (%)
ASPHALT (8") 595.60				
GRAVEL BASE COURSE (4") 595.30		7		
Hard, Black (10YR 2/1) SILTY CLAY, medium plasticity, moist		5 8	4.1 B	20.3
593.30		5		
Very stiff, dark Gray (10YR 4/1) SILTY CLAY, trace gravel, medium plasticity, moist	-5	5 6	3.9 B	21.6
590.80		4		
Very stiff, Brown (10YR 5/3) with gray mottling SILTY CLAY, trace gravel, medium plasticity, moist		5 7	3.9 B	30.2
588.30		2		
Stiff, grayish Brown (10YR 5/2) SILTY CLAY, trace gravel, medium plasticity, moist		3 3	1.3 S	19.5
586.30	-10			
End of boring at 10'. Collected environmental sample (0-5'). Boring backfilled with concrete and soil cuttings.	-15			
	-20			

The Unconfined Compressive Strength (UCS) Failure Mode is indicated by (B-Bulge, S-Shear, P-Penetrometer)

Interra, Inc.
600 Territorial Drive, Suite G
Bolingbrook, IL 60440
www.interraservices.com

SOIL BORING LOG

Date 12/16/24

ROUTE Various **DESCRIPTION** Hartrey Ave. from Church St. to Emerson St. **LOGGED BY** Sponaugle

SECTION Various **LOCATION** E: 1155291.4; N: 1961746.7

COUNTY Cook County **DRILLING METHOD** Solid Stem Auger **HAMMER TYPE** D-50 (Auto 98.2% efficiency)

STRUCT. NO. NA
Station NA

BORING NO. Hartrey-SGB-02
Station NA
Offset
Ground Surface Elev. 596.00 ft

Surface Water Elev. NA ft
Stream Bed Elev. NA ft

Groundwater Elev.:
First Encounter Dry ft
Upon Completion Dry ft
After NA **Hrs.** Filled ft

DEPTH (ft)	BLOWS (/6")	UCS Qu (tsf)	MOIST (%)
ASPHALT (6") 595.50			
GRAVEL BASE COURSE (3") 595.20			
Very stiff, dark Gray (10YR 4/1) SILTY CLAY, trace gravel, medium plasticity, moist	5		
	4 5 5	3.2 B	20.4
593.00			
Stiff, Brown (10YR 5/3) with gray mottling SILTY CLAY, medium plasticity, moist	3		
	4 4	1.9 S	22.8
-5 590.50			
Very stiff, light brownish Gray (10YR 6/2) CLAY, high plasticity, moist	3		
	5 4	3.2 B	31.2
	2		
Stiff	3 4	1.6 B	21.1
-10 586.00			
End of boring at 10'. Collected environmental sample (0-5'). Boring backfilled with concrete and soil cuttings.			
-15			
-20			

The Unconfined Compressive Strength (UCS) Failure Mode is indicated by (B-Bulge, S-Shear, P-Penetrometer)

Interra, Inc.
600 Territorial Drive, Suite G
Bolingbrook, IL 60440
www.interraservices.com

SOIL BORING LOG

Date 12/16/24

ROUTE Various **DESCRIPTION** Hartrey Ave. from Church St. to Emerson St. **LOGGED BY** Sponaugle

SECTION Various **LOCATION** E: 1155272.9; N: 1961374.8

COUNTY Cook County **DRILLING METHOD** Solid Stem Auger **HAMMER TYPE** D-50 (Auto 98.2% efficiency)

STRUCT. NO. NA
Station NA

BORING NO. Hartrey-SGB-03
Station NA
Offset
Ground Surface Elev. 596.00 ft

Surface Water Elev. NA ft
Stream Bed Elev. NA ft

Groundwater Elev.:
First Encounter Dry ft
Upon Completion Dry ft
After NA **Hrs.** Filled ft

	DEPTH (ft)	BLOWS (/6")	UCS Qu (tsf)	MOIST (%)
ASPHALT (6") 595.50				
GRAVEL BASE COURSE (4") 595.20		6		
Hard, dark Gray (10YR 4/1) CLAY LOAM (fill), trace gravel, trace brick, medium plasticity, dry		7 7	4.0 P	14.4
		5		
trace organics	-5	6 9	4.0 P	18.1
590.50				
Hard, Brown (10YR 5/3) with gray mottling SILTY CLAY, medium plasticity, moist		8		
		8 8	4.8 S	24.9
588.00				
Medium stiff, Gray (10YR 6/1) SILTY CLAY, low plasticity, moist		2		
		2 3	0.7 S	22.5
586.00	-10			
End of boring at 10'. Collected environmental sample (0-5'). Boring backfilled with concrete and soil cuttings.	-15			
	-20			

The Unconfined Compressive Strength (UCS) Failure Mode is indicated by (B-Bulge, S-Shear, P-Penetrometer)

Interra, Inc.
600 Territorial Drive, Suite G
Bolingbrook, IL 60440
www.interraservices.com

SOIL BORING LOG

Date 12/16/24

ROUTE Various **DESCRIPTION** Hartrey Ave. from Church St. to Emerson St. **LOGGED BY** Sponaugle

SECTION Various **LOCATION** E: 1155287.7; N: 1961025.0

COUNTY Cook County **DRILLING METHOD** Solid Stem Auger **HAMMER TYPE** D-50 (Auto 98.2% efficiency)

STRUCT. NO. NA
Station NA

BORING NO. Hartrey-SGB-04
Station NA
Offset
Ground Surface Elev. 596.00 ft

Surface Water Elev. NA ft
Stream Bed Elev. NA ft

Groundwater Elev.:
First Encounter Dry ft
Upon Completion Dry ft
After NA **Hrs.** Filled ft

	DEPTH (ft)	BLOWS (/6")	UCS Qu (tsf)	MOIST (%)
ASPHALT (6") 595.50				
GRAVEL BASE COURSE (4") 595.20		4		
Stiff, dark Gray (10YR 4/1) SILTY CLAY (fill), trace gravel, medium plasticity, moist		3 4 4	1.8 B	18.7
593.00				
Stiff, yellowish Brown (10YR 5/4) with gray mottling SILTY CLAY, low plasticity, moist		3		
	-5	5 7	1.6 S	22.2
590.50				
Hard, Brown (10YR 5/3) SILTY CLAY, medium plasticity, moist		4		
		5 7	4.2 S	25.5
588.00				
Stiff, light brownish Gray (10YR 6/2) CLAY, high plasticity, moist		2		
		2 4	1.8 B	33.2
586.00	-10			
End of boring at 10'. Collected environmental sample (0-5'). Boring backfilled with concrete and soil cuttings.				
	-15			
	-20			

The Unconfined Compressive Strength (UCS) Failure Mode is indicated by (B-Bulge, S-Shear, P-Penetrometer)

INTERRA
Engineering • Inspection • Testing

600 Territorial Drive, Suite G, Bolingbrook, IL 60440

Phone: 630-754-8700, Fax: 630-754-8705

www.interraservices.com

Geotechnical Data Report

2025 Water Main Improvement Projects

Brown Avenue from Foster Street to Simpson Street

City of Evanston, Cook County, Illinois

01/03/2025

Prepared for:

City of Evanston

2100 Ridge Avenue

Evanston, IL 60201

INTERRA
Engineering • Inspection • Testing

600 Territorial Drive, Suite G
Bolingbrook, IL 60440

p: 630-754-8700
f: 630-754-8705

Interra Project No: 9826

1/3/2025

Ms. Bridget Nash, PE
Capital Planning & Engineering
Public Works Agency
City of Evanston
2100 Ridge Avenue
Evanston, IL 60201

Geotechnical Data Report

2025 Water Main Improvement Projects
Brown Avenue from Foster Street to Simpson Street
City of Evanston, Cook County, Illinois

Dear Ms. Nash:

Interra, Inc. (INTERRA) is pleased to submit this report on geotechnical investigation performed at the above referenced project location in Evanston, Illinois. We understand that the purpose of the investigation is to aid in the design of improvements for the above referenced water main.

Scope of Work

The scope of work consisted of drilling two (2) boreholes to a depth of 10 feet below existing surface, performing associated laboratory tests on the recovered soil samples and preparation of geotechnical data report. The borehole locations are presented in the attached Location Map.

Field Work

The boreholes were located in the field by INTERRA as shown in the attached borehole location plan. The drilling sub-contractor, Geocon Professional Services (GEOCON) obtained underground utility clearances prior to drilling. Drilling was performed using a hollow stem auger. INTERRA's geologist was present during the drilling to collect and log the soil samples. Soil sampling was performed as per AASHTO T-206, "Penetration Test and Split Barrel Sampling of Soils". Soil sampling was performed at 2.5-foot intervals up

to the exploration depth of 10 feet. Unconfined compressive strength tests were performed on cohesive samples using an Illinois modified RIMAC tester. Cohesive samples that could not be tested with a RIMAC tester were tested with a pocket penetrometer to estimate the unconfined compressive strength. Observation for ground water was made during drilling and immediately after the completion of drilling and the information was recorded on the borehole logs. The borehole was immediately backfilled upon completion of drilling. In addition to groundwater information, blow-count data and soil description were also recorded on the field borehole logs. Soil samples obtained from the drilling operations were immediately sealed in the field and returned to our Bolingbrook, Illinois laboratory for further examination and testing.

Laboratory Work

The laboratory work for this project consisted of performing moisture content tests (AASHTO T 265) on all samples recovered from the boreholes. All soil samples will be retained in our Bolingbrook, Illinois laboratory for a period of sixty days, after which they will be discarded unless other instructions as to their disposal are received.

Subsurface Soil Conditions

Boring Brown-SGB-01 encountered 3.0 inches of asphalt, 8.0 inches of concrete and 5.0 inches of gravel base course at the surface. This was underlain by very stiff to stiff silty clay up to 8.0 feet and soft clay up to 10.0 feet. Boring was terminated at 10.0 feet depth.

Boring Brown-SGB-02 encountered 6.0 inches of asphalt, 4.0 inches of concrete and 5.0 inches of gravel base course at the surface. This was underlain by stiff to very stiff silty clay up to 8.0 feet. This was underlain by soft clay up to the exploration depth of 10.0 feet.

Please refer to the attached boring logs for detailed soil stratification. In addition to the soil description, the borehole logs also indicate the Standard Penetration Blow Count Data (SPT-N), laboratory test results and groundwater information.

Ground Water Information

Observations for ground water were made during and immediately after the completion of drilling. Ground water was observed at a depth of 8.5 feet in the boring Brown-SGB-01 during drilling. No

groundwater was observed in the borehole Brown-SGB-02 during or upon completion. As the boreholes were backfilled immediately after completion of drilling, long term water levels could not be obtained. Since the water levels were measured in a relatively short period of time, the measured groundwater levels may not represent true groundwater conditions. Generally, a change in color of soil from brown to gray indicates long term ground water levels. Fluctuations in water levels should be expected due to seasonal variations, precipitation and surface run-off.

Closure

The analysis and recommendations submitted in this report are based upon the data obtained from the soil borings performed at the locations indicated on the location map. This report does not reflect any variations that may occur between boreholes. In performing subsurface explorations, specific information is obtained at specific locations at specific times. It is a well-known fact that variations in soil and rock conditions exist on most sites between borehole locations. Also, groundwater levels vary from time to time. The nature and extent of variations may not become evident until the course of construction. If variations then appear evident, it will be necessary for a re-evaluation of the findings of this report after performing on-site observations during the construction period and noting the characteristics of any variations.

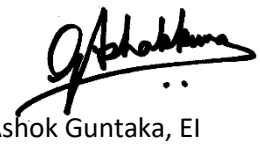
We appreciate the opportunity to be of service to you. Should you need additional information or clarifications, please call us at (630) 754-8700.

Yours truly,

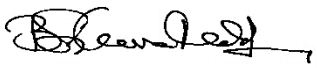
Interra, Inc.



Reshma Chirakkara, Ph.D.
Project Engineer



Ashok Guntaka, EI
Project Manager



Sanjeev Bandi, Ph.D., PE
Principal Engineer

2025 Water Main Improvement Projects
Brown Avenue from Foster Street to Simpson Street
INTERRA Project No. 9826
Date: 12/16/2024

Brown-SGB-01

Brown-SGB-02

Bridge St
Simpson St
Simpson St
Twiggs Park
Dar-us-Sunnah Masjid
Electrician Pros Evanston
Over the Rainbow Association
Al Gomez Landscaping
Brown Ave
Voiceovers by Rodney Greene
Grey Ave
Foster St
Foster St
Dodge Ave
Foster St
st Church of Evanston
Crawford Richmond & Associates
Google Earth
300 ft
N

Interra, Inc.
600 Territorial Drive, Suite G
Bolingbrook, IL 60440
www.interraservices.com

SOIL BORING LOG

Date 12/16/24

ROUTE Various **DESCRIPTION** Brown Ave. from Foster St. to Simpson St. **LOGGED BY** Sponaugle

SECTION Various **LOCATION** E: 1156132.8; N: 1963388.4

COUNTY Cook County **DRILLING METHOD** Solid Stem Auger **HAMMER TYPE** D-50 (Auto 98.2% efficiency)

STRUCT. NO. NA
Station NA

BORING NO. Brown-SGB-01
Station NA
Offset
Ground Surface Elev. 596.90 ft

Surface Water Elev. NA ft
Stream Bed Elev. NA ft

Groundwater Elev.:
First Encounter 588.4 ft ▼
Upon Completion Dry ft
After NA **Hrs.** Filled ft

	DEPTH (ft)	BLOWS (/6")	UCS Qu (tsf)	MOIST (%)
~~596.60~~ ASPHALT (3")				
596.00 CONCRETE (8")				
595.50 GRAVEL BASE COURSE (5")		2		
Very stiff, dark Gray (10YR 4/1) SILTY CLAY, medium plasticity, moist		3 5	2.7 B	25.0
593.90 Stiff, yellowish Brown (10YR 5/6) with gray mottling SILTY CLAY, medium plasticity, moist		2		
	-5	3 4 2	1.5 S	25.5
Very stiff, trace gravel		3 4	2.0 S	28.3
588.90 Soft, Gray (10YR 6/1) CLAY, high plasticity, moist ▼		1		
Free water at 8.5'		1 1	0.3 B	40.2
586.90 End of boring at 10'. Collected environmental sample (0-5'). Boring backfilled with concrete and soil cuttings.	-10			
	-15			
	-20			

The Unconfined Compressive Strength (UCS) Failure Mode is indicated by (B-Bulge, S-Shear, P-Penetrometer)

Interra, Inc.
600 Territorial Drive, Suite G
Bolingbrook, IL 60440
www.interraservices.com

SOIL BORING LOG

Date 12/16/24

ROUTE Various **DESCRIPTION** Brown Ave. from Foster St. to Simpson St. **LOGGED BY** Sponaugle

SECTION Various **LOCATION** E: 1156132.8; N: 1963388.4

COUNTY Cook County **DRILLING METHOD** Solid Stem Auger **HAMMER TYPE** D-50 (Auto 98.2% efficiency)

STRUCT. NO. NA
Station NA

BORING NO. Brown-SGB-02
Station NA
Offset
Ground Surface Elev. 596.10 ft

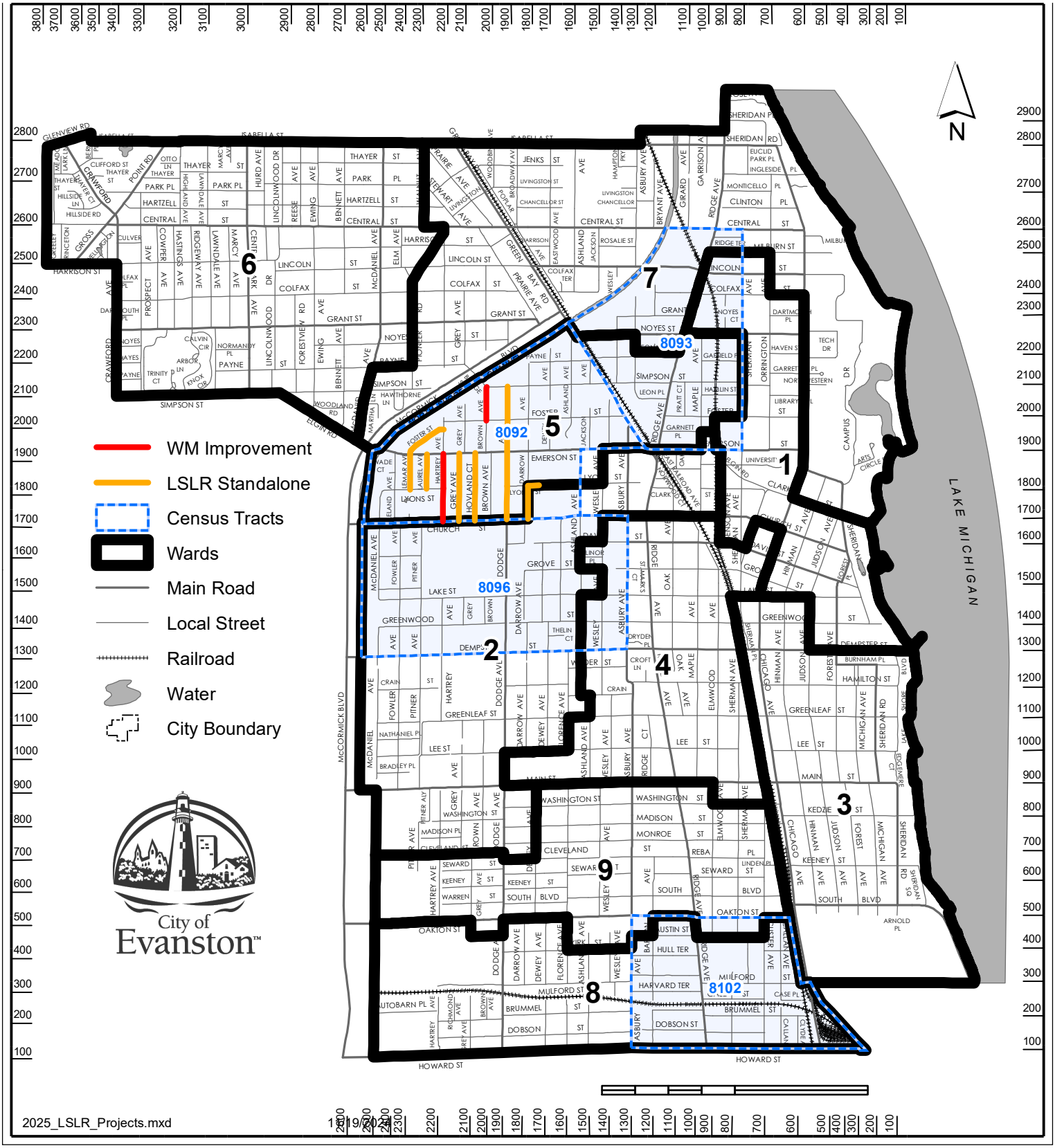
Surface Water Elev. NA ft
Stream Bed Elev. NA ft

Groundwater Elev.:
First Encounter Dry ft
Upon Completion Dry ft
After NA **Hrs.** Filled ft

	DEPTH (ft)	BLOWS (/6")	UCS Qu (tsf)	MOIST (%)
ASPHALT (6") 595.60				
CONCRETE (4") 595.30				
GRAVEL BASE COURSE (5") 594.80		5		
Stiff, Gray (10Y 6/1) with black mottling SILTY CLAY, trace gravel, medium plasticity, moist		4 4	1.5 P	17.3
593.10		2		
Very stiff, yellowish Brown (10YR 5/6) with gray laminations SILTY CLAY, trace gravel, medium plasticity, moist		4 5	3.2 S	24.2
	-5			
590.60		4		
Stiff, Brown (10YR 5/3) SILTY CLAY, medium plasticity, moist		5 5	0.9 B	22.2
588.10		1		
Soft, Gray (10YR 6/1) CLAY, high plasticity, moist		1 2	0.3 B	41.2
586.10	-10			
End of boring at 10'. Collected environmental sample (0-5'). Boring backfilled with concrete and soil cuttings.				
	-15			
	-20			

The Unconfined Compressive Strength (UCS) Failure Mode is indicated by (B-Bulge, S-Shear, P-Penetrometer)

Appendix 5 of Bid Doc 25-10: Prioritized Watermain and Lead Water Service Line Replacement Project Location Map



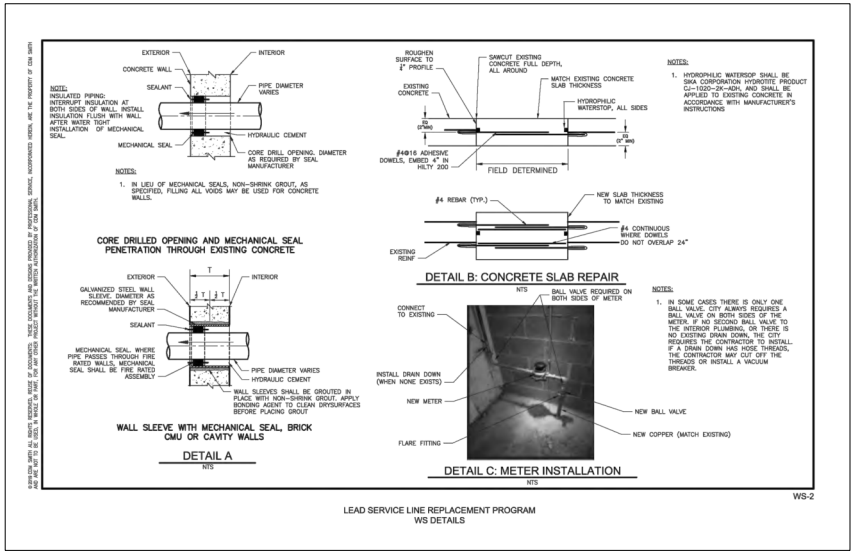
This map is provided "as is" without warranties of any kind. See www.cityofevanston.org/mapdisclaimers.html for more information.

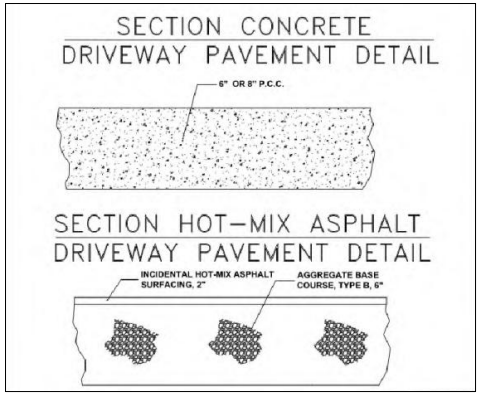
Appendix 6 of Bid Doc 25-10: Private Side Water Service Line Replacement Detail

© 2019 CDM SMITH ALL RIGHTS RESERVED. REUSE OF DOCUMENTS: THESE DOCUMENTS AND DESIGNS PROVIDED BY PROFESSIONAL SERVICE, INCORPORATED HEREIN, ARE THE PROPERTY OF CDM SMITH AND ARE NOT TO BE USED, IN WHOLE OR PART, FOR ANY OTHER PROJECT WITHOUT THE WRITTEN AUTHORIZATION OF CDM SMITH.

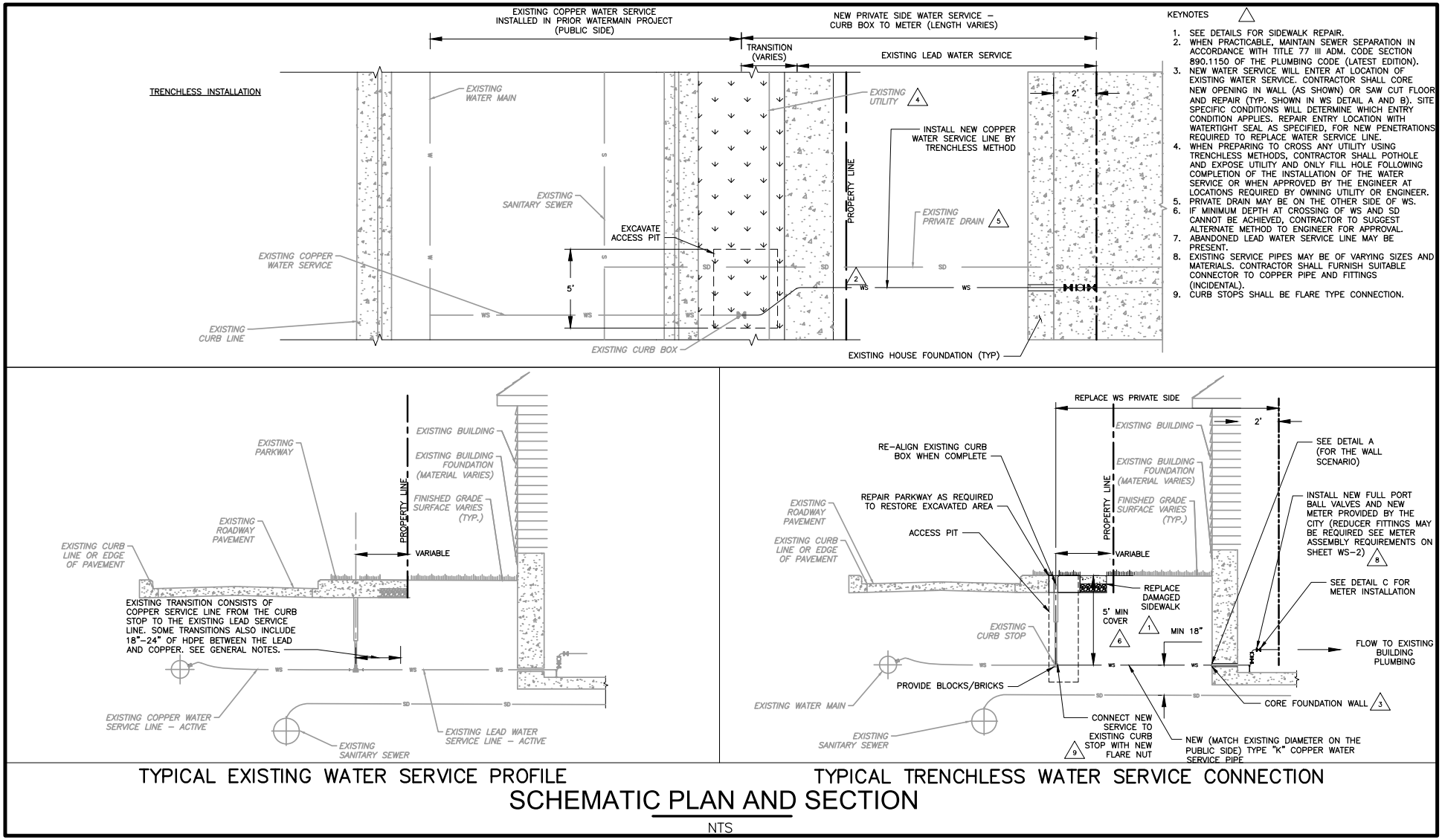
GENERAL WATER SERVICE REPLACEMENT NOTES:

1. CONTRACTOR SHALL COORDINATE ALL SERVICE LINE REPLACEMENT ACTIVITIES WITH THE ENGINEER AND PROPERTY OWNER PRIOR TO COMMENCING SERVICE LINE REPLACEMENT WORK. CONTRACTOR MAY ONLY WORK ON PRIVATE PROPERTY WHERE A SIGNED RIGHT OF ENTRY IS ON FILE FROM THE PROPERTY OWNER. CONTRACTOR MUST OBTAIN EXECUTED PROPERTY OWNER AGREEMENT FORM FOR PERMISSION TO WORK ON PRIVATE PROPERTY BEFORE COMMENCING ANY CONSTRUCTION WORK.
2. THE DETAILS PRESENTED HEREIN REPRESENT TYPICAL CONDITIONS AND WATER SERVICE CONNECTION REPLACEMENT. EACH LOCATION WILL VARY.
3. CONTRACTOR SHALL RESTORE ALL SURFACE FEATURES AND LANDSCAPING EQUAL TO OR BETTER THAN EXISTING CONDITIONS FOLLOWING COMPLETION OF THE WORK.
4. EXISTING WATER SERVICE (WS) AND SEWER DRAIN (SD) MAY BE LOCATED IN CLOSE PROXIMITY AND/OR THE SAME TRENCH. CONTRACTOR SHALL MEET THE REQUIREMENTS OF THE STATE OF ILLINOIS PLUMBING CODE AND ASSOCIATED VARIANCES IN PLACE WHEN REPLACING WATER SERVICE CONSIDERING THE LOCATION OF THE EXISTING SEWER SERVICE.
5. THE LOCATION OF WATER SERVICE ALIGNMENT SHALL BE DETERMINED BY THE CONTRACTOR'S LICENSED PLUMBER. ALL WORK ON THE WATER SERVICE SHALL BE PERFORMED BY THE CONTRACTOR'S LICENSED PLUMBER.
6. WHEN PERFORMING WORK INSIDE A RESIDENCE, CONTRACTOR SHALL TAKE ALL PRECAUTIONS TO MINIMIZE DEBRIS IN THE IMMEDIATE WORK AREA AS AGREED TO WITH THE PROPERTY OWNER.
7. IN THE EVENT CONTRACTOR IS REQUIRED TO DISTURB EXISTING CONCRETE, CONTRACTOR SHALL TAKE PRECAUTIONS NECESSARY TO CONTROL AND MINIMIZE CONCRETE DUST.
8. WHEN THE CONTRACTOR DETERMINES THAT TRENCHLESS INSTALLATION IS NOT FEASIBLE, CONTRACTOR SHALL SEEK ENGINEER APPROVAL FOR OPEN CUT INSTALLATION, OR A COMBINATION OF OPEN CUT AND TRENCHLESS METHODS.
9. CONTRACTOR SHALL NOT INSTALL ANY INTERMEDIATE FITTINGS OR COUPLINGS OTHER THAN THOSE SHOWN IN THE CONTRACT DOCUMENTS UNLESS APPROVED BY ENGINEER.
10. CONTRACTOR SHALL REPAIR THE CONCRETE FLOOR OR WALL, BUT WILL NOT RESTORE FINISHED SURFACES SUCH AS DRYWALL, RE-TILE, OR PERFORM OTHER FINAL FINISHED RESTORATION. SHOULD TOILETS, HOT WATER TANKS, OR OTHER INTERIOR UTILITY FEATURES BE REMOVED TO PERFORM THE WORK, CONTRACTOR SHALL REINSTALL THOSE ITEMS FOLLOWING COMPLETION OF THE WORK.
11. CONTRACTOR SHALL CHECK ALL FIXTURES FOR WATER PRESSURE AND TEMPERATURE BEFORE AND AFTER WATER SERVICE WORK TO ENSURE FUNCTIONALITY IS RESTORED TO PRECONSTRUCTION CONDITIONS. THIS WORK WILL NOT BE PAID FOR SEPARATELY.





© 2019 CDM SMITH ALL RIGHTS RESERVED. REUSE OF DOCUMENTS: THESE DOCUMENTS AND DESIGNS PROVIDED BY PROFESSIONAL SERVICE, INCORPORATED HEREIN, ARE THE PROPERTY OF CDM SMITH AND ARE NOT TO BE USED, IN WHOLE OR PART, FOR ANY OTHER PROJECT WITHOUT THE WRITTEN AUTHORIZATION OF CDM SMITH.



TYPICAL EXISTING WATER SERVICE PROFILE

TYPICAL TRENCHLESS WATER SERVICE CONNECTION

SCHEMATIC PLAN AND SECTION

NTS

STANDARD DETAIL

Private Side Water Service Line Replacement: Trenchless WS Replacement

WS-1

Registering for DemandStar

DEMANDSTAR
Building Communities.

We are pleased to announce our membership in the DemandStar network. DemandStar is an online marketplace that connects our suppliers directly to the bids, quotes and RFPs that matter to them.

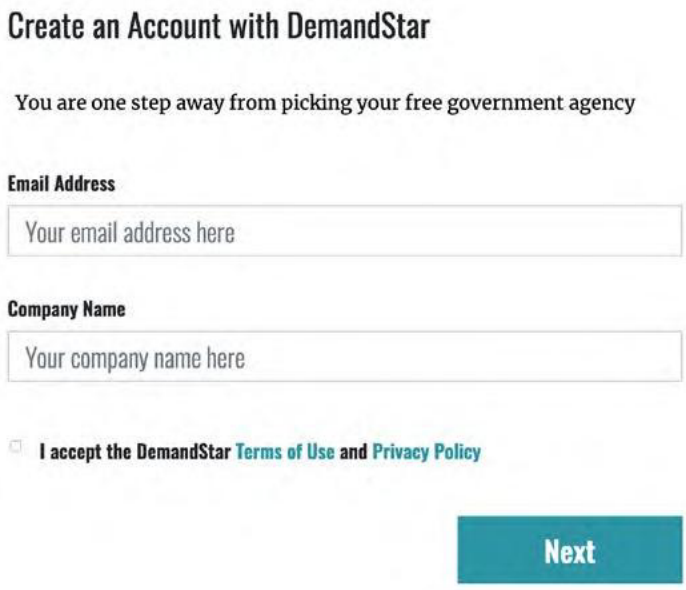
DemandStar is open and accessible to all businesses and provides instant access to our solicitations. By registering for your complimentary DemandStar account, you will receive:

- **Instant** access to bids, quotes and RFPs
- **Automatic** notifications, right to you inbox, of bids that match the commodity codes you select
- The ability to **quickly view** the contractual terms and scope of work
- All the **forms and documents** you need in one place
- Access to **more government bids** in neighboring cities, counties and states

It's EASY! Get started with these 3 easy steps!

1 REGISTER

Go to:
https://www.demandstar.com/registration



2019 DemandStar® Corporation. All Rights Reserved.
206.940.0305

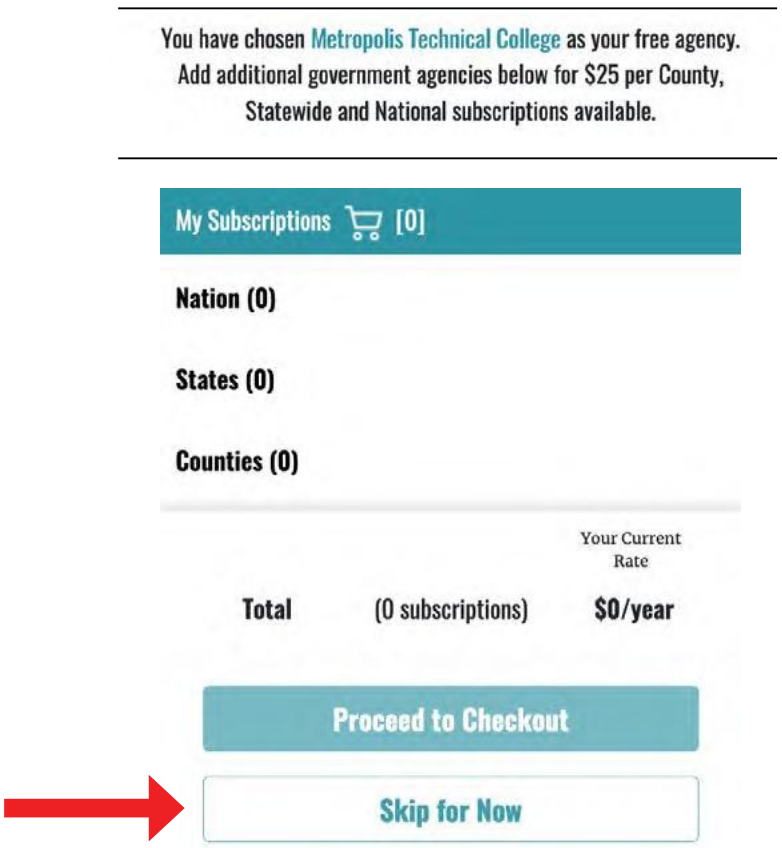
2 CHOOSE YOUR FREE AGENCY

Type in the name of the government agency you'd like to add, for example "City of Metropolis" in the Search Box



3 CHECK OUT

Check out with your **FREE AGENCY** Registration by clicking "Skip for now" on the page where it gives you options to add additional counties and States



SIGN UP

Visit www.demandstar.com

2019 DemandStar® Corporation. All Rights Reserved.
206.940.0305

DEMANDSTAR

Building Communities.

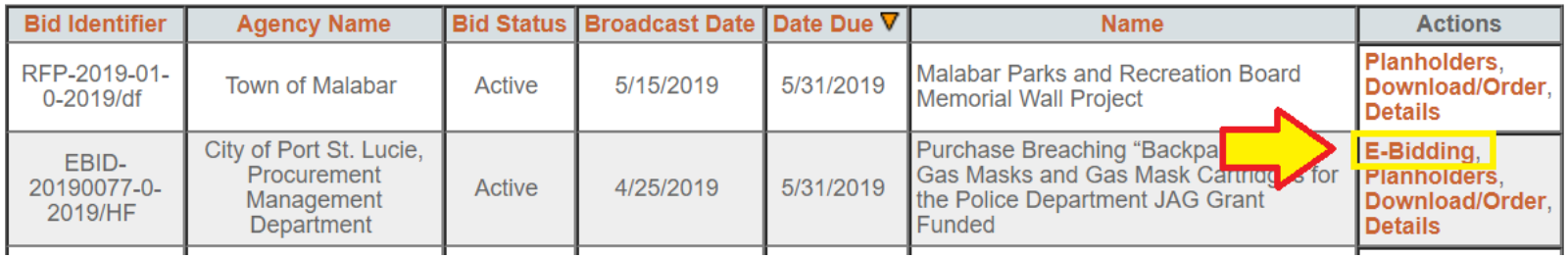
(E-bidding) Electronic Bidding Instructions

Introduction

To submit a bid electronically (e-bidding) on DemandStar

- The project **MUST** be setup for e-bidding by the government agency advertising the opportunity

Copyright 2019, DemandStar Corporation. (206)940-0305



Bid Identifier	Agency Name	Bid Status	Broadcast Date	Date Due	Name	Actions
RFP-2019-01-0-2019/df	Town of Malabar	Active	5/15/2019	5/31/2019	Malabar Parks and Recreation Board Memorial Wall Project	Planholders, Download/Order, Details
EBID-20190077-0-2019/HF	City of Port St. Lucie, Procurement Management Department	Active	4/25/2019	5/31/2019	Purchase Breaching "Backpa… Gas Masks and Gas Mask Cartridges for the Police Department JAG Grant Funded	E-Bidding, Planholders, Download/Order, Details

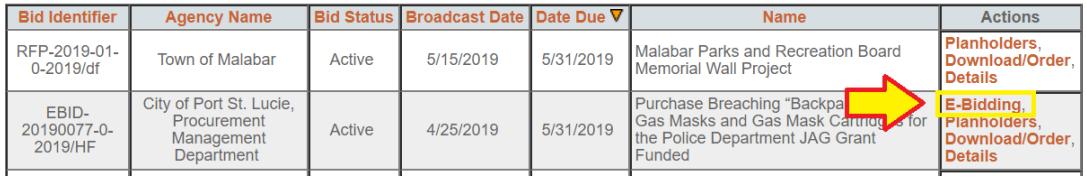
How to check if it is an e-bidding opportunity

- Not all opportunities posted on DemandStar by government are available for e-bidding
- Those that are available for you to electronically bid will list "e-bidding" as an available "ACTION" when you look at the project details

Copyright 2019, DemandStar Corporation. (206)940-0305

In order to do e-bidding

1. Click on “E-bidding” in the actions column



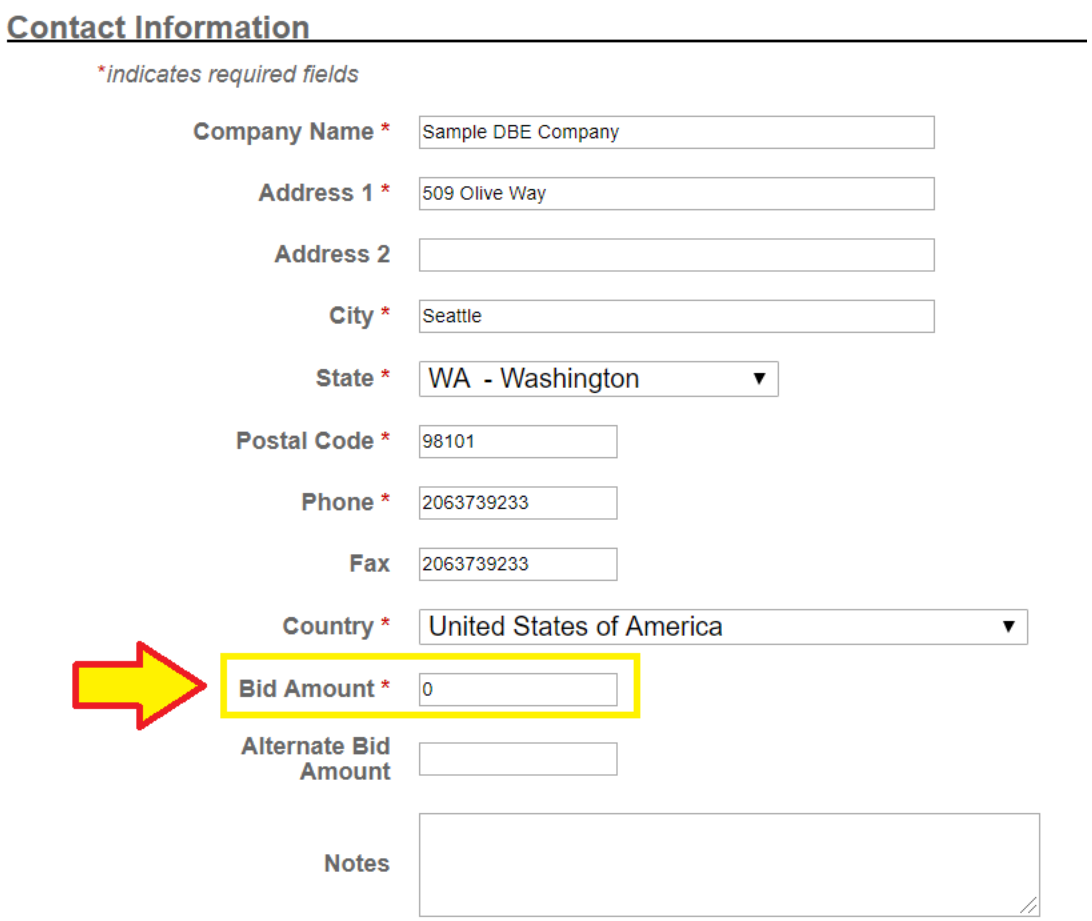
Bid Identifier	Agency Name	Bid Status	Broadcast Date	Date Due	Name	Actions
RFP-2019-01-0-2019/df	Town of Malabar	Active	5/15/2019	5/31/2019	Malabar Parks and Recreation Board Memorial Wall Project	Planholders, Download/Order, Details
EBID-20190077-0-2019/HF	City of Port St. Lucie, Procurement Management Department	Active	4/25/2019	5/31/2019	Purchase Breaching “Backpa… Gas Masks and Gas Mask Cartridges for the Police Department JAG Grant Funded	E-Bidding, Planholders, Download/Order, Details

Copyright 2019, DemandStar Corporation. (206)940-0305

In order to do e-bidding

2. Enter you contact information and enter in all required fields

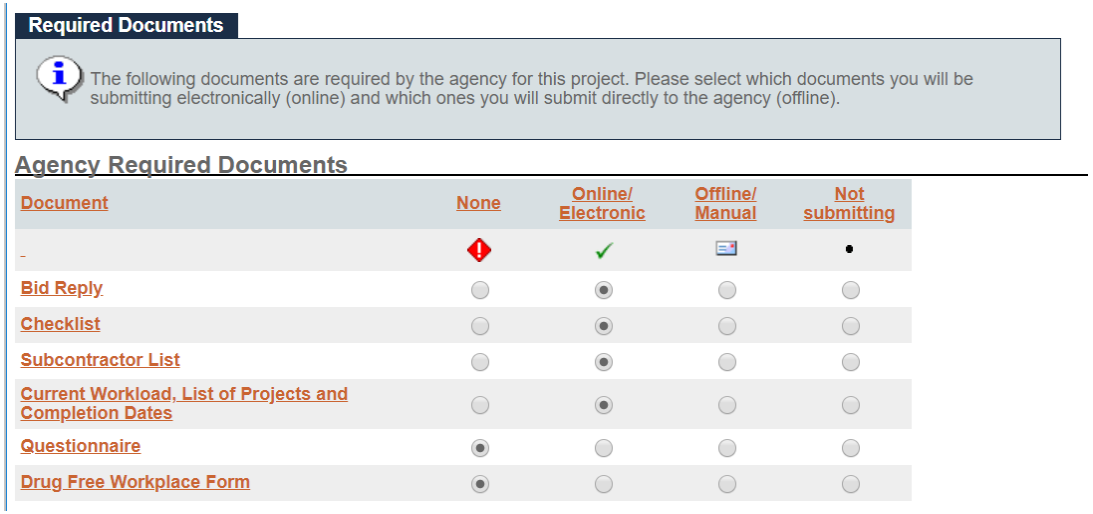
Note: You **MUST** put a number of the “BID AMOUNT” box. However, that number can be 0 so as to allow for a more detailed descriptions of your bid through your uploaded documents.



Copyright 2019, DemandStar Corporation. (206)940-0305

In order to do e-bidding

- In the agency required documents section – check the documents you intend on uploading and fulfilling. By checking these boxes this is **ONLY** an acknowledgement of how you will fulfill the requirement. You still have to upload the documents.

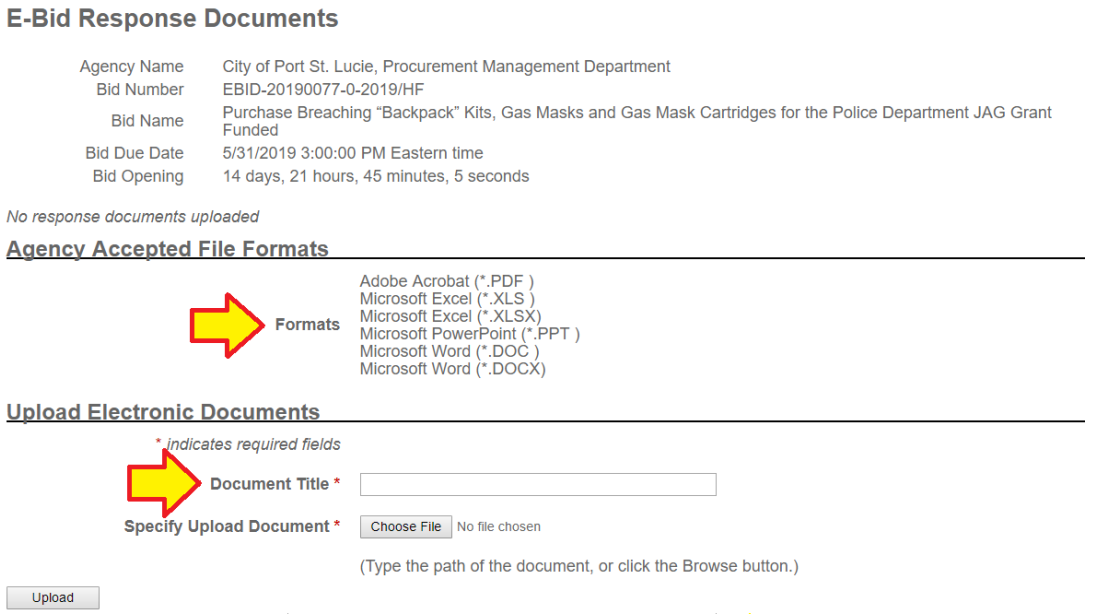


Copyright 2019, DemandStar Corporation. (206)940-0305

In order to do e-bidding

Upload your response documents in an accepted file format

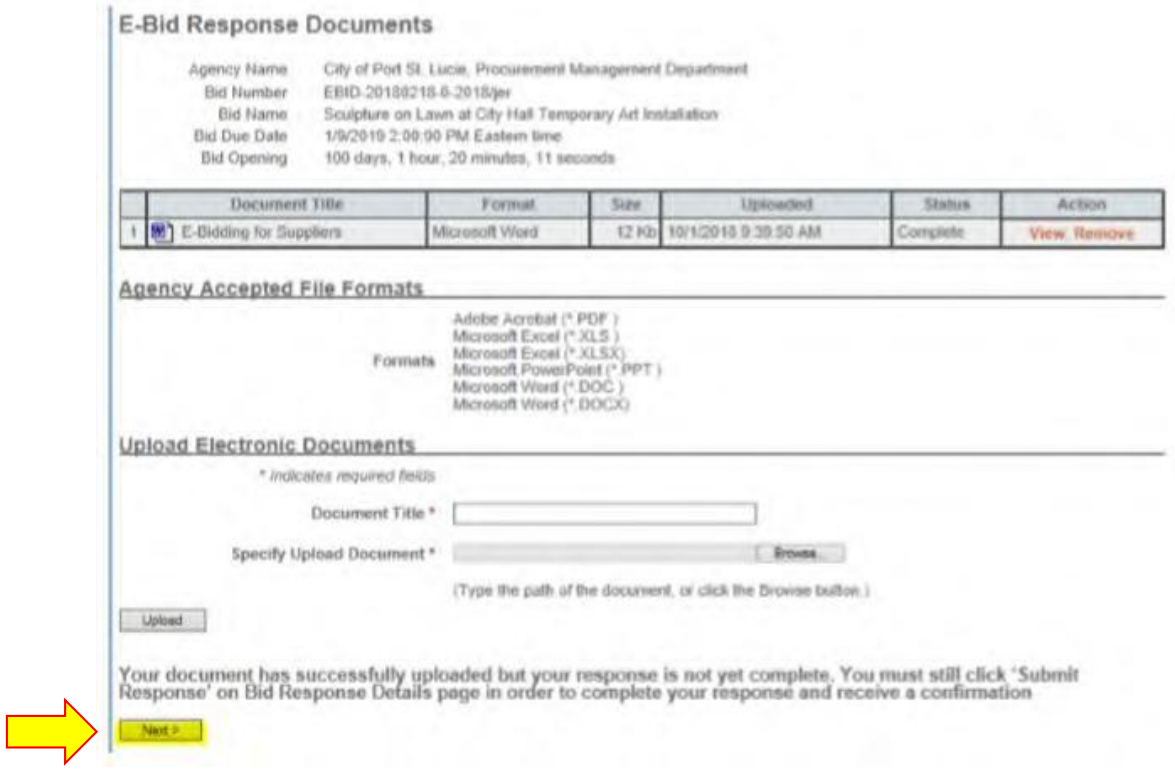
Make sure that you have covered and uploaded all the required documents



Copyright 2019, DemandStar Corporation. (206)940-0305

In order to do e-bidding

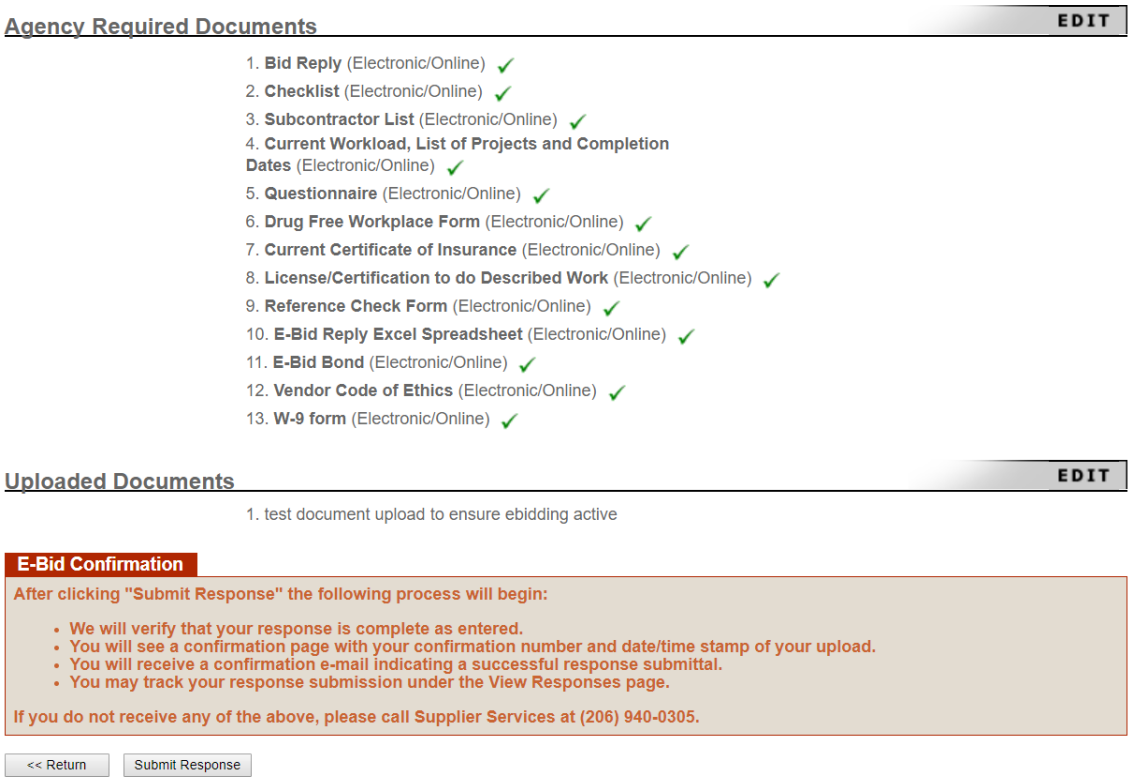
Once you decide you've uploaded all your documents that you would like to submit, make sure you click the **NEXT** button at the bottom of the screen



Copyright 2019, DemandStar Corporation. (206)940-0305

Completing your e-bid submittal

- Please **VERIFY** that you have attached **ALL** the required documents
- Click on the **Submit Response** button to complete your e-bid



Agency Required Documents EDIT

1. **Bid Reply** (Electronic/Online) ✓
2. **Checklist** (Electronic/Online) ✓
3. **Subcontractor List** (Electronic/Online) ✓
4. **Current Workload, List of Projects and Completion Dates** (Electronic/Online) ✓
5. **Questionnaire** (Electronic/Online) ✓
6. **Drug Free Workplace Form** (Electronic/Online) ✓
7. **Current Certificate of Insurance** (Electronic/Online) ✓
8. **License/Certification to do Described Work** (Electronic/Online) ✓
9. **Reference Check Form** (Electronic/Online) ✓
10. **E-Bid Reply Excel Spreadsheet** (Electronic/Online) ✓
11. **E-Bid Bond** (Electronic/Online) ✓
12. **Vendor Code of Ethics** (Electronic/Online) ✓
13. **W-9 form** (Electronic/Online) ✓

Uploaded Documents EDIT

1. test document upload to ensure ebidding active

E-Bid Confirmation

After clicking "Submit Response" the following process will begin:

- We will verify that your response is complete as entered.
- You will see a confirmation page with your confirmation number and date/time stamp of your upload.
- You will receive a confirmation e-mail indicating a successful response submittal.
- You may track your response submission under the View Responses page.

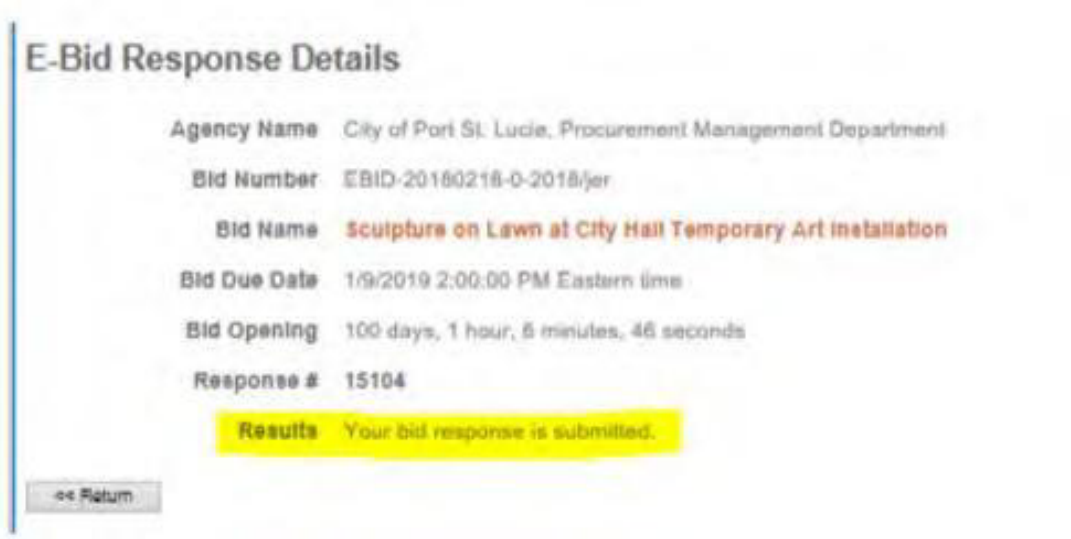
If you do not receive any of the above, please call Supplier Services at (206) 940-0305.

<< Return | Submit Response

Copyright 2019, DemandStar Corporation. (206)940-0305

Confirmation of Response

- When you complete you will receive a confirmation
- This is a confirmation that what you uploaded will be visible to the agency when the bid closes, **this is not** a confirmation that all your documents were fill out or submitted correctly



E-Bid Response Details

Agency Name	City of Port St. Lucie, Procurement Management Department
Bid Number	EBID-20180216-0-2018/jer
Bid Name	Sculpture on Lawn at City Hall Temporary Art Installation
Bid Due Date	1/9/2019 2:00:00 PM Eastern time
Bid Opening	100 days, 1 hour, 6 minutes, 46 seconds
Response #	15104
Results	Your bid response is submitted.

<< Return

Copyright 2019, DemandStar Corporation. (206)940-0305

Post Submission Edits

If you feel like you missed something or need to make a change you can go back to your submittal response and edit your e-bid. By clicking on “DETAILS” then “EDIT” the section you wish

Bid Identifier	Agency Name	Bid Status	Broadcast	Date Due	Name	Status	Actions
EBID-20190077-0-2019/HF	City of Port St. Lucie, Procurement Management Department	Active	4/25/2019	5/31/2019	Purchase Breaching “Backpack” Kits, Gas Masks and Gas Mask Cartridges for the Police Department JAG Grant Funded	Incomplete	Details, Bid, History

Contact Information EDIT

Company Name	Sample DBE Company
Address 1	509 Olive Way
Address 2	
City	Seattle
State	Washington
Postal Code	98101
Phone	2063739233
Fax	2063739233
Country	United States of America
Bid Amount	$0.00
Alternate Bid Amount	
Notes	





Agency Required Documents EDIT

1. **Bid Reply** (Electronic/Online) ✓