

Beck Park Expansion – Phase 1

Bid # 25-11

ADDENDUM No. 2

April 10, 2025

Any and all changes to the Contract Document are valid only if they are included by written addendum to all potential respondents, which will be mailed, emailed and/or faxed prior to the bid due date to all who are known to have received a complete bid document. Each respondent must acknowledge receipt of any addenda by indicating on the Bid Form. Each respondent, by acknowledging receipt of any addenda, is responsible for the contents of the addenda and any changes to the bid proposal therein. Failure to acknowledge receipt of any addenda may cause the bid to be rejected. If any language or figures contained in this addendum are in conflict with the original document, this addendum shall prevail.

This addendum consists of the following:

1. Addendum Number Two (2) is attached and consists of a total of thirty three (33) pages including this cover sheet. Any changes to the drawings or specifications noted within Addendum Number Two (2) will be reflected in subsequent drawing issues.

Please feel free to call (847-866-2910) or email (lithomas@cityofevanston.org) with any questions or comments.

Sincerely,

Linda Thomas
Purchasing Specialist

Beck Park Expansion – Phase 1

Bid # 25-11

ADDENDUM No. 2

April 10, 2025

This addendum forms a part of the Specifications and Bid Documents for Bid #25-11 and modifies these documents. This addendum consists of the following:

Exhibit A - Bid Form:

The Bid Form has been reissued in its entirety. Modifications have been made per the following and called out with red underlined text

Section 1.10 Proposed Prices

- Alternate #01 – Alternate #04 text clarifications

Section 1.11 Unit Pricing List

- Removed Unit Price List Item #3

Drawings:

The following drawings have been reissued in their entirety. Modifications have been made per the following and called out with revision cloud and “A2”

Sheet L1.00 Overall Materials Plan

- McDaniel Avenue Street Project (By City of Evanston) added, for reference
- Sidewalk connection to McDaniel Avenue Street Project added

Sheet L1.01 Materials Plan

- McDaniel Avenue Street Project (By City of Evanston) added, for reference
- Sidewalk connection to McDaniel Avenue Street Project added
- Alternate #02 text clarification

Sheet L1.02 Materials Plan

- McDaniel Avenue Street Project (By City of Evanston) added, for reference
- Alternate #02 text clarification

Specifications:

The following specification sections have been reissued in their entirety. Modifications have been made per the following and called out with red underlined text

Section 01 23 00 - Alternates

- Part 3.01 : Updated language of alternatives.

Section 01 27 00 – Unit Prices

- Part 3.01 : Removed Unit Price Item No. 3.

Section 32 18 16 - Playground Protective Surfacing

- Part 2.03A : Top surface wearing course color mixtures have been updated.

Section 32 33 00 - Site Furnishing

- Part 2.01 : Site furnishings SF3A (trash receptacle) and SF3B (trash + recycle receptacle) have been updated to reflect current City of Evanston standard.

Clarifications to Questions Received:

Question #1:

Upon my initial review of the bid documents, I noticed there is a conflict regarding Alternate #2 between the plans and “Exhibit A – Bid Form”:

A. Plan Sheets L1.01-L1.07 state the following:

ALTERNATE #02: PARK PAVILION

BASE BID: INCLUDES PAVILION, CONCRETE PAVING, STONECLAD SEATWALLS, SITE FURNISHINGS, SIGNAGE, ELECTRICAL/LIGHTING, AND DOWNSPOUT PIPING.

DEDUCT ALTERNATE: DEDUCTS PAVILION, CONCRETE PAVING, STONECLAD SEATWALLS, SITE FURNISHINGS, SIGNAGE, ELECTRICAL/LIGHTING, AND DOWNSPOUT PIPING. (AREAS TO BE EXISTING TURF OR SEEDED TURF)

B. “Exhibit A – Bid Form” states the following:

ALTERNATE #02 – PARK PAVILION

Construct the new park pavilion including associated concrete pavements, stone-clad seatwalls, site furnishings, signage, electrical, lighting, and stormwater piping as depicted in the contract documents.

Can you confirm which is correct?

Response #1:

Bid Form (Exhibit A) has been updated to clarify that Alternate #02 is a deduct alternate.

Question #2:

Is there an anticipated start date?

Response #2:

The start date will be determined after contract award by the Contractor and the City based on the Contractor's proposed schedule. The City expects work will begin in the summer of 2025.

Question #3:

We understand this is a lump sum proposal. However, the General Conditions Item #2 indicates there may be a Schedule of Values or Line Item Bid Form. Will that document be available?

Response #3:

The Bid Form (Exhibit A) outlines the pricing items required for bid submission. A schedule of values with greater detail will be established with the Contractor following contract award.

Question #4:

Will the City require a top rail on the 8ft tall chainlink fence?

Response #4:

Top rail will not be required for the 8ft tall construction fence.

Question #5:

Will the City want commercial grade silt fence or IDOT spec silt fence?

Response #5:

Silt fence shall be IDOT specified.

Question #6:

Fencing – The pages show nine (9) areas of fence repair, seven (7) at 24', one (1) at 6"-8" and one (1) at 10', that comes up to about 179', the bid form calls out 234'? Just want to make sure I am not missing anything.

Response #6:

In addition to the 179 LF of fence replacement noted on sheets L5.00 - L5.02, 55 LF of fence replacement will also be required at utility installation locations along the Channel embankment (see sheets C2.02 & C2.03).

Note: Acknowledgment of this Addendum is required in the Bid.

EXHIBIT A – BID FORM
For
Beck Park Expansion – Phase 1
(BID #25-11)

1.01 BID TO:

THE CITY OF EVANSTON
909 Davis Street, 3rd Floor
Evanston, Illinois 60201

Hereinafter called "OWNER".

1.02 BID FROM:

(Hereinafter call "BIDDER")

Address

Telephone Number

Fax Number

1.03 BID FOR: **BECK PARK EXPANSION – PHASE 1**

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. 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.
- F. 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 intended to address items not able to be precisely determined prior to bidding including unforeseen conditions that are discovered during the course of construction. At the end of the project, unspent allowance shall be credited to owner via change order. See Section 01 21 00 – Allowances for additional information.

1.08 AGREEMENT

- A. In submitting this Bid, the undersigned agrees:
 - 1. To hold this Bid open for sixty (60) 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:

BASE BID AMOUNT: \$ _____

ALLOWANCE (ADDITIONAL WORK – GENERAL): \$ **+\$160,000.00** _____

TOTAL BASE BID AMOUNT: \$ _____

ADD ALTERNATE #01 – RUBBER PLAY SURFACE IN LIEU OF ENGINEERED WOOD FIBER MULCH PLAY SURFACE

Furnish and install poured-in-place rubber play surfacing in lieu of portions of engineered wood fiber mulch play surfacing as depicted in the contract documents. Eliminate base bid wood fiber mulch play surfacing, dynacushion wear mats and concrete access ramps in these locations. The ADDED LUMP SUM PRICE, if awarded to the undersigned, shall be:

ALTERNATE #01 AMOUNT: \$ _____

DEDUCT ALTERNATE #02 – PARK PAVILION

Deduct construction of the new park pavilion including associated concrete pavements, stone-clad seatwalls, site furnishings, signage, electrical, lighting, and stormwater piping as depicted in the contract documents. If alternate is deducted, areas to be existing turf or seeded turf and topsoil for finish grading. The DEDUCT LUMP SUM PRICE, if awarded to the undersigned, shall be:

ALTERNATE #02 AMOUNT: \$ _____

DEDUCT ALTERNATE #03 – INTERPRETIVE SIGNAGE

Deduct furnishing and installing new interpretive signage as depicted in the contract documents. The DEDUCT LUMP SUM PRICE, if awarded to the undersigned, shall be:

ALTERNATE #03 AMOUNT: \$ _____

DEDUCT ALTERNATE #04 – CHURCH STREET ENTRY SIGNAGE

Deduct furnishing and installing new entry sign and associated precast/masonry walls and columns at Church Street as depicted in the contract documents. The DEDUCT LUMP SUM PRICE, if awarded to the undersigned, shall be:

ALTERNATE #04 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. Bidders shall examine plans and determine actual work items and quantities for the work involved for bid analysis by the Owner. **Include the cost for the base bid quantity of each unit price item below in the Lump Sum Base Bid Amount above.**

Item	Description	Unit	Base Bid Quantity	Add Unit Cost *	Deduct Unit Cost **
1	Chain Link Fence Replacement	LF	234	\$	\$
2	Perform Existing Entry Wall Signage Repairs – Brick Replacement	EA	15	\$	\$
3	Perform Existing Entry Wall Signage Repairs – Precast Concrete	SF	70	\$	\$
3	Perform Tree Pruning	EA	26	\$	\$
4	Perform Tree Root Pruning	LF	145	\$	\$
5	Perform Unsuitable Soil Removal and Title D Landfill Disposal	CY	1036	\$	\$

* Add costs to be provided by Bidder
 ** Deduct costs to be provided by Bidder

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, 909 Davis Street, 3rd Floor 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.

<u>PRODUCT NAME AND/OR MANUFACTURER</u>	<u>ADD</u>	<u>DEDUCT</u>
_____	_____	_____
_____	_____	_____
_____	_____	_____

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: _____

client / owner
City of Evanston, IL

project name
**EVANSTON BECK
PARK EXPANSION**

project address
2525 CHURCH ST.
EVANSTON, IL 60201

Civil Engineer
David Mason & Associates Inc
333 S Desplaines St, Suite 200
Chicago, IL 60661
p 312.884.5100

Electrical Engineer
ACGi Innovative Solutions
300 W. Adams Street #420
Chicago, IL 60606
p 312.357.1840

Environmental Engineer
Environmental Consulting Group
105 S. York Street, Suite 250
Evanston, Illinois 60126
p 630.607.0060

Geotechnical Engineer
GSG
735 Remington Road
Schaumburg, IL 60173
p 630.994.2600

Arborist
Hendrickson Tree Care
2131 S. Foster Avenue
Wheeling, Illinois 60090
p 847.348.8302

Community Engagement
All Together
p 630.607.0060



ISSUE FOR BID

NOT FOR CONSTRUCTION

revision	date	issued
1	4/12/2024	30% CDs
2	6/21/2024	50% CDs
3	8/2/2024	50% CDs
4	11/22/2024	95% CDs
5	01/24/2025	100% CDs
6	02/21/2025	ISSUED FOR PERMIT
7	03/27/2025	ISSUE FOR BID
8	04/10/2025	ADDENDUM 2

seal

issue date
04.10.2025

project number
n22209

sheet name
**OVERALL MATERIALS
PLAN**

sheet number

L1.00



MATERIALS LEGEND

ITEM	SYM	DETAIL	SPECIFICATION
PAVING / SURFACING			
CONCRETE PAVEMENT (BROOM FINISH)	PA1	1-4/L6.00	32 13 13 CONCRETE PAVING
THERMOPLASTIC CENTER STRIPE	PA2	REFER TO CIVIL DRAWINGS.	REFER TO CIVIL DRAWINGS.
ASPHALT (PARKING LOT)	PA3	REFER TO CIVIL DRAWINGS.	REFER TO CIVIL DRAWINGS.
ASPHALT TRAIL (MILL & OVERLAY)	PA4	REFER TO CIVIL DRAWINGS.	REFER TO CIVIL DRAWINGS.
ASPHALT TRAIL (FULL DEPTH)	PA5	REFER TO CIVIL DRAWINGS.	REFER TO CIVIL DRAWINGS.
*RUBBERIZED PLAY SURFACE - COLOR A ALTERNATE #01	PA6	3/L6.01	32 18 16 PLAYGROUND PROTECTIVE SURFACES
*RUBBERIZED PLAY SURFACE - COLOR B ALTERNATE #01	PA7	3/L6.01	32 18 16 PLAYGROUND PROTECTIVE SURFACES
*RUBBERIZED PLAY SURFACE - COLOR C ALTERNATE #01	PA8	3/L6.01	32 18 16 PLAYGROUND PROTECTIVE SURFACES
*RUBBERIZED PLAY SURFACE - COLOR D ALTERNATE #01	PA9	3/L6.01	32 18 16 PLAYGROUND PROTECTIVE SURFACES
ENGINEERED WOOD FIBER PLAY SURFACE	PA10	1/L6.01	32 18 00 PLAYGROUND SURFACE SYSTEM

LEGEND

--- TREE PROTECTION FENCE FOOT TRAFFIC ONLY INSIDE OF FENCE

NOTE

REFER TO LAYOUT PLANS FOR JOINT LAYOUTS

PAVING / SURFACING			
DYNACUSHION WEAR MAT	PA11	-	32 18 00 PLAYGROUND SURFACE SYSTEM
*THICKENED RUBBERIZED PLAY SURFACE ALTERNATE #01	PA12	3/L6.01	32 18 16 PLAYGROUND PROTECTIVE SURFACES
DETECTABLE WARNING PAVING	PA13	8/L6.00	32 17 26 TACTILE WARNING SURFACING
MULCH PATH	PA14	9/L6.01	-
THERMOPLASTIC PARKING LOT STRIPING	PA15	REFER TO CIVIL DRAWINGS.	REFER TO CIVIL DRAWINGS.
VEHICULAR CONCRETE	PA16	REFER TO CIVIL DRAWINGS.	REFER TO CIVIL DRAWINGS.

CURBS			
PLAYGROUND CURB	CU1	6/L6.00	32 13 13 CONCRETE PAVING
TURN DOWN PLAYGROUND CURB	CU2	5+6/L6.01	32 13 13 CONCRETE PAVING
VEHICULAR CURB	CU3	REFER TO CIVIL DRAWINGS.	REFER TO CIVIL DRAWINGS.
STREET CURB	CU4	REFER TO CIVIL DRAWINGS.	REFER TO CIVIL DRAWINGS.

WALLS			
*STONE CLAD SEATWALL ALTERNATE #02	WA1	1/L6.05	04 20 00 UNIT MASONRY

SITE FURNISHINGS			
PICNIC TABLE	SF1	1/L6.02	32 33 00 SITE FURNISHINGS
BIKE RACK	SF2	5/L6.02	32 33 00 SITE FURNISHINGS
TRASH RECEPTACLE	SF3A	2/L6.02	32 33 00 SITE FURNISHINGS
TRASH + RECYCLE RECEPTACLE	SF3B	2/L6.02	32 33 00 SITE FURNISHINGS
PARK BENCH	SF4	4/L6.02	32 33 00 SITE FURNISHINGS
SALVAGED DRINKING FOUNTAIN	SF5	3/L6.02	32 33 00 SITE FURNISHINGS
ROCK OUTCROPPING	SF6	1/L6.03	32 33 00 SITE FURNISHINGS
GRILL	SF7	6/L6.02	32 33 00 SITE FURNISHINGS
COAL RECEPTACLE	SF8	7/L6.02	32 33 00 SITE FURNISHINGS

LIGHTING			
PARK POLE LIGHT (NEW)	LT1	REFER TO CIVIL DRAWINGS.	REFER TO ELECTRICAL DRAWINGS
PARK POLE LIGHT RETROFIT	LT2	REFER TO CIVIL DRAWINGS.	REFER TO ELECTRICAL DRAWINGS
EXISTING PARK POLE LIGHT RETROFITTED RELOCATED WITH NEW FOUNDATION	LT3	REFER TO CIVIL DRAWINGS.	REFER TO ELECTRICAL DRAWINGS
PARKING LOT POLE LIGHT	LT4	REFER TO CIVIL DRAWINGS.	REFER TO ELECTRICAL DRAWINGS

SIGNAGE			
*INTERPRETIVE SIGNAGE ALTERNATE #03	SG1	3/L6.03	32 33 00 SITE FURNISHINGS
*CHURCH STREET ENTRY SIGNAGE ALTERNATE #04	SG2	1-4/L6.04	04 20 00 UNIT MASONRY
EXISTING SIGNAGE WALL REPAIR	SG3	2/L6.03	04 01 20 MASONRY RESTORATION AND CLEANING

PLAYGROUND EQUIPMENT			
2-5 YR PLAY STRUCTURE	PG1	2/L6.08	11 68 00 PLAY EQUIPMENT AND STRUCTURES
2-5 YR SWINGS	PG2	3/L6.08	11 68 00 PLAY EQUIPMENT AND STRUCTURES
2-5 YR SPINNER	PG3	1/L6.07	11 68 00 PLAY EQUIPMENT AND STRUCTURES
5-12 YR PLAY STRUCTURE	PG4	1/L6.08	11 68 00 PLAY EQUIPMENT AND STRUCTURES
5-12 YR SWINGS	PG5	3/L6.08	11 68 00 PLAY EQUIPMENT AND STRUCTURES
13+ OVERHEAD BARS	PG6	3/L6.07	11 68 00 PLAY EQUIPMENT AND STRUCTURES
13+ ANGLED BALANCE BEAM	PG7	2/L6.07	11 68 00 PLAY EQUIPMENT AND STRUCTURES
ZIP LINE	PG8	4/L6.07	11 68 00 PLAY EQUIPMENT AND STRUCTURES
NATURE PLAY ELEMENTS	PG9	1-3/L6.09	11 68 00 PLAY EQUIPMENT AND STRUCTURES
PLAYGROUND SIGN	PG10	-	11 68 00 PLAY EQUIPMENT AND STRUCTURES
IND CYCLER	PG11	5/L6.07	11 68 00 PLAY EQUIPMENT AND STRUCTURES

***ALTERNATE LIST**

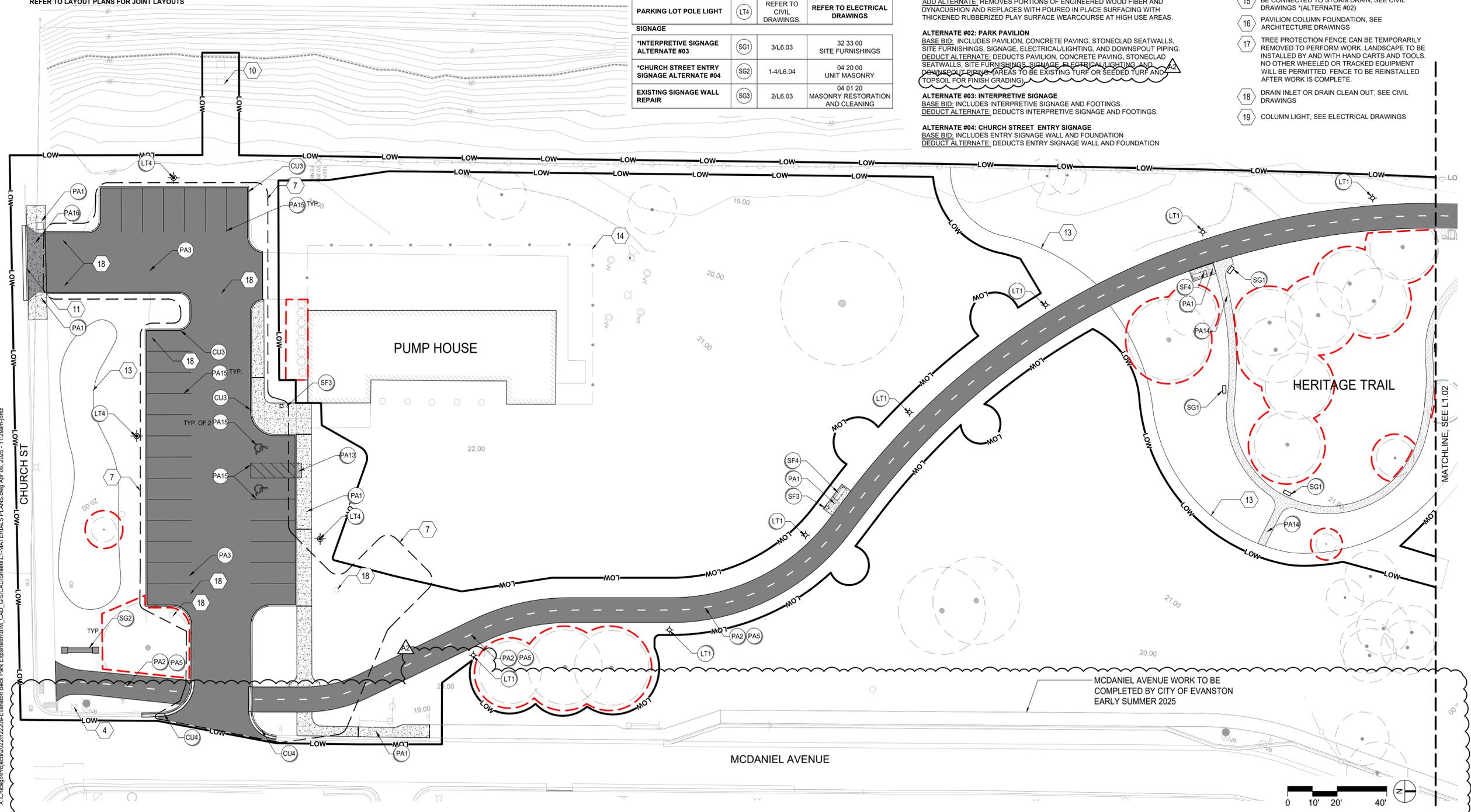
ALTERNATE #01: RUBBER PLAY SURFACE
 BASE BID: INCLUDES ENGINEERED WOOD FIBER WITH DYNACUSHION WEAR MATS AT HIGH USE AREAS
 ADD ALTERNATE: REMOVES PORTIONS OF ENGINEERED WOOD FIBER AND DYNACUSHION AND REPLACES WITH POURED IN PLACE SURFACING WITH THICKENED RUBBERIZED PLAY SURFACE WEAR COURSE AT HIGH USE AREAS.

ALTERNATE #02: PARK PAVILION
 BASE BID: INCLUDES PAVILION, CONCRETE PAVING, STONECLAD SEATWALLS, SITE FURNISHINGS, SIGNAGE, ELECTRICAL/LIGHTING, AND DOWNSPOUT PIPING.
 DEDUCT ALTERNATE: DEDUCTS PAVILION, CONCRETE PAVING, STONECLAD SEATWALLS, SITE FURNISHINGS, SIGNAGE, ELECTRICAL/LIGHTING, AND DOWNSPOUT PIPING (AREAS TO BE EXISTING TURF OR SEEDED TURF AND TOPSOIL FOR FINISH GRADING).

ALTERNATE #03: INTERPRETIVE SIGNAGE
 BASE BID: INCLUDES INTERPRETIVE SIGNAGE AND FOOTINGS.
 DEDUCT ALTERNATE: DEDUCTS INTERPRETIVE SIGNAGE AND FOOTINGS.

ALTERNATE #04: CHURCH STREET ENTRY SIGNAGE
 BASE BID: INCLUDES ENTRY SIGNAGE WALL AND FOUNDATION
 DEDUCT ALTERNATE: DEDUCTS ENTRY SIGNAGE WALL AND FOUNDATION

- CODED NOTES**
- SALVAGED WATER FOUNTAIN. CONTRACTOR TO REINSTALL AND COORDINATE WATER SUPPLY CONNECTION.
 - GFCI OUTLET FLUSH MOUNTED TO VERTICAL SURFACE OF SEAT WALL WITH THEFT PROOF LOCKABLE COVER *(ALTERNATE #02)
 - STREET SIGN, REFER TO CIVIL ENGINEER PLANS.
 - EXISTING STREET LIGHT, DO NOT DISTURB.
 - EXISTING WATER METER, REUSE PROTECTION CAGE. REFER CIVIL PLANS FOR ANY UPGRADES.
 - PAVILION ROOFLINE. SEE ARCHITECTURAL DRAWINGS
 - AREA OF SOIL CONTAMINATION. SEE SOILS PLANS AND SOIL TESTING REPORT FOR MORE DETAILS
 - 2-5 YR OLD PLAYGROUND SIGN, SEE SPECS
 - 5-12 YR OLD PLAYGROUND SIGN, SEE SPECS
 - CHANNEL OUTFALL, SEE CIVIL DRAWINGS
 - DEPRESSED CURB, SEE CIVIL DRAWINGS
 - SALVAGED PARK RULES SIGN AND T-POST. BOTTOM OF SIGN TO BE 36" CLEAR OF FINISH GRADE. T-POST DRIVEN INTO SUB-GRADE
 - LANDSCAPE BED EDGE SHOWN FOR REFERENCE. SEE PLANTING PLANS AND DETAIL 4, SHEET L7.00
 - FUTURE PUMPHOUSE FENCE, BY OTHERS
 - RAIN WATER OUTLET FROM PAVILION ROOF TO BE CONNECTED TO STORM DRAIN, SEE CIVIL DRAWINGS *(ALTERNATE #02)
 - PAVILION COLUMN FOUNDATION, SEE ARCHITECTURE DRAWINGS
 - TREE PROTECTION FENCE CAN BE TEMPORARILY REMOVED TO PERFORM WORK. LANDSCAPE TO BE INSTALLED BY AND WITH HAND CARTS AND TOOLS. NO OTHER WHEELED OR TRACKED EQUIPMENT WILL BE PERMITTED. FENCE TO BE REINSTALLED AFTER WORK IS COMPLETE.
 - DRAIN INLET OR DRAIN CLEAN OUT. SEE CIVIL DRAWINGS
 - COLUMN LIGHT, SEE ELECTRICAL DRAWINGS



MKSK
 Landscape Architecture
 Urban Design
 Planning

3057 NORTH ROCKWELL STREET
 CHICAGO, IL 60618

client / owner
 City of Evanston, IL
 project name

**EVANSTON BECK
 PARK EXPANSION**

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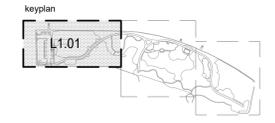
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**ISSUE FOR
 BID**

NOT FOR CONSTRUCTION

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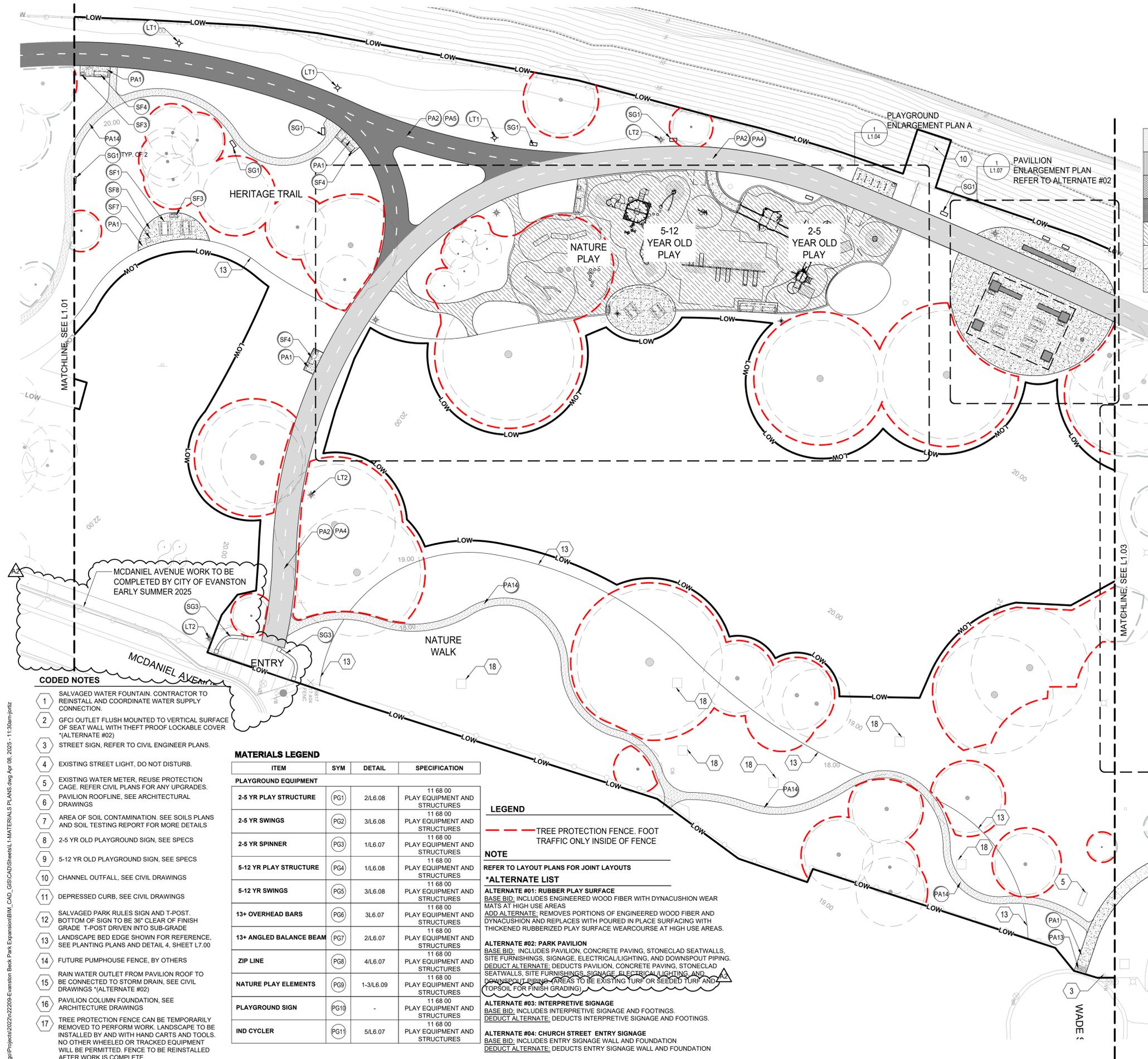
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MATERIALS PLAN

sheet number

L1.01



- CODED NOTES**
- SALVAGED WATER FOUNTAIN. CONTRACTOR TO REINSTALL AND COORDINATE WATER SUPPLY CONNECTION.
 - GFCI OUTLET FLUSH MOUNTED TO VERTICAL SURFACE OF SEAT WALL WITH THEFT PROOF LOCKABLE COVER *(ALTERNATE #02)
 - STREET SIGN, REFER TO CIVIL ENGINEER PLANS.
 - EXISTING STREET LIGHT, DO NOT DISTURB.
 - EXISTING WATER METER, REUSE PROTECTION CAGE. REFER CIVIL PLANS FOR ANY UPGRADES.
 - PAVILION ROOFLINE, SEE ARCHITECTURAL DRAWINGS
 - AREA OF SOIL CONTAMINATION. SEE SOILS PLANS AND SOIL TESTING REPORT FOR MORE DETAILS
 - 2-5 YR OLD PLAYGROUND SIGN, SEE SPECS
 - 5-12 YR OLD PLAYGROUND SIGN, SEE SPECS
 - CHANNEL OUTFALL, SEE CIVIL DRAWINGS
 - DEPRESSED CURB, SEE CIVIL DRAWINGS
 - SALVAGED PARK RULES SIGN AND T-POST. BOTTOM OF SIGN TO BE 36" CLEAR OF FINISH GRADE. T-POST DRIVEN INTO SUB-GRADE
 - LANDSCAPE BED EDGE SHOWN FOR REFERENCE. SEE PLANTING PLANS AND DETAIL 4, SHEET L7.00
 - FUTURE PUMPHOUSE FENCE, BY OTHERS
 - RAIN WATER OUTLET FROM PAVILION ROOF TO BE CONNECTED TO STORM DRAIN, SEE CIVIL DRAWINGS *(ALTERNATE #02)
 - PAVILION COLUMN FOUNDATION, SEE ARCHITECTURE DRAWINGS
 - TREE PROTECTION FENCE CAN BE TEMPORARILY REMOVED TO PERFORM WORK. LANDSCAPE TO BE INSTALLED BY AND WITH HAND CARTS AND TOOLS. NO OTHER WHEELED OR TRACKED EQUIPMENT WILL BE PERMITTED. FENCE TO BE REINSTALLED AFTER WORK IS COMPLETE.
 - DRAIN INLET OR DRAIN CLEAN OUT, SEE CIVIL DRAWINGS
 - COLUMN LIGHT, SEE ELECTRICAL DRAWINGS

MATERIALS LEGEND

ITEM	SYM	DETAIL	SPECIFICATION
PLAYGROUND EQUIPMENT			
2-5 YR PLAY STRUCTURE	(PG1)	2/L6.08	11 68 00 PLAY EQUIPMENT AND STRUCTURES
2-5 YR SWINGS	(PG2)	3/L6.08	11 68 00 PLAY EQUIPMENT AND STRUCTURES
2-5 YR SPINNER	(PG3)	1/L6.07	11 68 00 PLAY EQUIPMENT AND STRUCTURES
5-12 YR PLAY STRUCTURE	(PG4)	1/L6.08	11 68 00 PLAY EQUIPMENT AND STRUCTURES
5-12 YR SWINGS	(PG5)	3/L6.08	11 68 00 PLAY EQUIPMENT AND STRUCTURES
13+ OVERHEAD BARS	(PG6)	3/L6.07	11 68 00 PLAY EQUIPMENT AND STRUCTURES
13+ ANGLED BALANCE BEAM	(PG7)	2/L6.07	11 68 00 PLAY EQUIPMENT AND STRUCTURES
ZIP LINE	(PG8)	4/L6.07	11 68 00 PLAY EQUIPMENT AND STRUCTURES
NATURE PLAY ELEMENTS	(PG9)	1-3/L6.09	11 68 00 PLAY EQUIPMENT AND STRUCTURES
PLAYGROUND SIGN	(PG10)	-	11 68 00 PLAY EQUIPMENT AND STRUCTURES
IND CYCLER	(PG11)	5/L6.07	11 68 00 PLAY EQUIPMENT AND STRUCTURES

LEGEND

--- TREE PROTECTION FENCE, FOOT TRAFFIC ONLY INSIDE OF FENCE

NOTE

REFER TO LAYOUT PLANS FOR JOINT LAYOUTS

***ALTERNATE LIST**

ALTERNATE #01: RUBBER PLAY SURFACE
 BASE BID: INCLUDES ENGINEERED WOOD FIBER WITH DYNACUSHION WEAR MATS AT HIGH USE AREAS
 ADD ALTERNATE: REMOVES PORTIONS OF ENGINEERED WOOD FIBER AND DYNACUSHION AND REPLACES WITH POURED IN PLACE SURFACING WITH THICKENED RUBBERIZED PLAY SURFACE WEARCOURSE AT HIGH USE AREAS.

ALTERNATE #02: PARK PAVILION
 BASE BID: INCLUDES PAVILION, CONCRETE PAVING, STONECLAD SEATWALLS, SITE FURNISHINGS, SIGNAGE, ELECTRICAL/LIGHTING, AND DOWNSPOUT PIPING.
 DEDUCT ALTERNATE: DEDUCTS PAVILION, CONCRETE PAVING, STONECLAD SEATWALLS, SITE FURNISHINGS, SIGNAGE, ELECTRICAL/LIGHTING, AND DOWNSPOUT PIPING. (AREAS TO BE EXISTING TURF OR SEEDED TURF AND TOPSOIL FOR FINISH GRADING)

ALTERNATE #03: INTERPRETIVE SIGNAGE
 BASE BID: INCLUDES INTERPRETIVE SIGNAGE AND FOOTINGS
 DEDUCT ALTERNATE: DEDUCTS INTERPRETIVE SIGNAGE AND FOOTINGS.

ALTERNATE #04: CHURCH STREET ENTRY SIGNAGE
 BASE BID: INCLUDES ENTRY SIGNAGE WALL AND FOUNDATION
 DEDUCT ALTERNATE: DEDUCTS ENTRY SIGNAGE WALL AND FOUNDATION

MATERIALS LEGEND CONTINUED

ITEM	SYM	DETAIL	SPECIFICATION
PAVING / SURFACING			
CONCRETE PAVEMENT (BROOM FINISH)	(PA1)	1-4/L6.00	32 13 13 CONCRETE PAVING
THERMOPLASTIC CENTER STRIPE	(PA2)	REFER TO CIVIL DRAWINGS.	REFER TO CIVIL DRAWINGS.
ASPHALT (PARKING LOT)	(PA3)	REFER TO CIVIL DRAWINGS.	REFER TO CIVIL DRAWINGS.
ASPHALT TRAIL (MILL & OVERLAY)	(PA4)	REFER TO CIVIL DRAWINGS.	REFER TO CIVIL DRAWINGS.
ASPHALT TRAIL (FULL DEPTH)	(PA5)	REFER TO CIVIL DRAWINGS.	REFER TO CIVIL DRAWINGS.
*RUBBERIZED PLAY SURFACE - COLOR A ALTERNATE #01	(PA6)	3/L6.01	32 18 16 PLAYGROUND PROTECTIVE SURFACES
*RUBBERIZED PLAY SURFACE - COLOR B ALTERNATE #01	(PA7)	3/L6.01	32 18 16 PLAYGROUND PROTECTIVE SURFACES
*RUBBERIZED PLAY SURFACE - COLOR C ALTERNATE #01	(PA8)	3/L6.01	32 18 16 PLAYGROUND PROTECTIVE SURFACES
*RUBBERIZED PLAY SURFACE - COLOR D ALTERNATE #01	(PA9)	3/L6.01	32 18 16 PLAYGROUND PROTECTIVE SURFACES
ENGINEERED WOOD FIBER PLAY SURFACE	(PA10)	1/L6.01	32 18 00 PLAYGROUND SURFACE SYSTEM
DYNACUSHION WEAR MAT	(PA11)	-	32 18 00 PLAYGROUND SURFACE SYSTEM
*THICKENED RUBBERIZED PLAY SURFACE ALTERNATE #01	(PA12)	3/L6.01	32 18 16 PLAYGROUND PROTECTIVE SURFACES
DETECTABLE WARNING PAVING	(PA13)	8/L6.00	32 17 26 TACTILE WARNING SURFACING
MULCH PATH	(PA14)	9/L6.01	-
THERMOPLASTIC PARKING LOT STRIPING	(PA15)	REFER TO CIVIL DRAWINGS.	REFER TO CIVIL DRAWINGS.
VEHICULAR CONCRETE	(PA16)	REFER TO CIVIL DRAWINGS.	REFER TO CIVIL DRAWINGS.
CURBS			
PLAYGROUND CURB	(CU1)	6/L6.00	32 13 13 CONCRETE PAVING
TURN DOWN PLAYGROUND CURB	(CU2)	5+6/L6.01	32 13 13 CONCRETE PAVING
VEHICULAR CURB	(CU3)	REFER TO CIVIL DRAWINGS.	REFER TO CIVIL DRAWINGS.
STREET CURB	(CU4)	REFER TO CIVIL DRAWINGS.	REFER TO CIVIL DRAWINGS.
WALLS			
*STONE CLAD SEATWALL ALTERNATE #02	(WA1)	1/L6.05	04 20 00 UNIT MASONRY
SITE FURNISHINGS			
PICNIC TABLE	(SF1)	1/L6.02	32 33 00 SITE FURNISHINGS
BIKE RACK	(SF2)	5/L6.02	32 33 00 SITE FURNISHINGS
TRASH RECEPTACLE	(SF3A)	2/L6.02	32 33 00 SITE FURNISHINGS
TRASH + RECYCLE RECEPTACLE	(SF3B)	2/L6.02	32 33 00 SITE FURNISHINGS
PARK BENCH	(SF4)	4/L6.02	32 33 00 SITE FURNISHINGS
SALVAGED DRINKING FOUNTAIN	(SF5)	3/L6.02	32 33 00 SITE FURNISHINGS
ROCK OUTCROPPING	(SF6)	1/L6.03	32 33 00 SITE FURNISHINGS
GRILL	(SF7)	6/L6.02	32 33 00 SITE FURNISHINGS
COAL RECEPTACLE	(SF8)	7/L6.02	32 33 00 SITE FURNISHINGS
LIGHTING			
PARK POLE LIGHT (NEW)	(LT1)	REFER TO CIVIL DRAWINGS.	REFER TO ELECTRICAL DRAWINGS
PARK POLE LIGHT RETROFIT	(LT2)	REFER TO CIVIL DRAWINGS.	REFER TO ELECTRICAL DRAWINGS
EXISTING PARK POLE LIGHT RETROFITTED RELOCATED WITH NEW FOUNDATION	(LT3)	REFER TO CIVIL DRAWINGS.	REFER TO ELECTRICAL DRAWINGS
PARKING LOT POLE LIGHT	(LT4)	REFER TO CIVIL DRAWINGS.	REFER TO ELECTRICAL DRAWINGS
SIGNAGE			
*INTERPRETIVE SIGNAGE ALTERNATE #03	(SG1)	3/L6.03	32 33 00 SITE FURNISHINGS
*CHURCH STREET ENTRY SIGNAGE ALTERNATE #04	(SG2)	1-4/L6.04	04 20 00 UNIT MASONRY
EXISTING SIGNAGE WALL REPAIR	(SG3)	2/L6.03	04 01 20 MASONRY RESTORATION AND CLEANING

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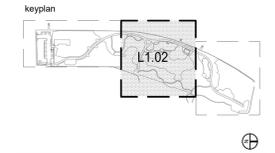
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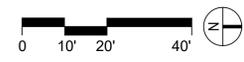


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MATERIALS PLAN
 sheet number

issue date
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L1.02

SECTION 01 23 00 – ALTERNATES

PART 1 - GENERAL

1.01 SUMMARY

- A. This Section includes administrative and procedural requirements for alternates.

1.02 DEFINITIONS

- A. Alternate: An amount proposed by bidders and stated on the Bid Form for certain work defined in the Bidding Requirements that may be added to or deducted from the Base Bid amount if Owner decides to accept a corresponding change either in the amount of construction to be completed or in the products, materials, equipment, systems, or installation methods described in the Contract Documents.
 - 1. The cost or credit for each alternate is the net addition to or deduction from the Contract Sum to incorporate the alternate into the Work. No other adjustments are made to the Contract Sum.

1.03 PROCEDURES

- A. Coordination: Modify or adjust affected adjacent work as necessary to completely integrate work of the alternate into Project.
 - 1. Include as part of each alternate, miscellaneous devices, accessory objects, and similar items incidental to or required for a complete installation whether or not indicated as part of alternate.
- B. Notification: Immediately following award of the Contract, notify each party involved, in writing, of the status of each alternate. Indicate if alternates have been accepted, rejected, or deferred for later consideration. Include a complete description of negotiated modifications to alternates.
- C. Execute accepted alternates under the same conditions as other work of the Contract.
- D. Schedule: A Schedule of Alternates is included at the end of this Section. Specification Sections referenced in schedule contain requirements for materials necessary to achieve the work described under each alternate.

PART 2 - PRODUCTS (Not Used)

PART 3 - EXECUTION

3.01 SCHEDULE OF ALTERNATES: Refer to applicable technical sections for description of Alternates:

1. Bid Alternate No. 01 Rubber Play Surface

- a. Base Bid: Includes engineered wood fiber with dynacushion wear mats at high use areas.
- b. Add Alternate: Removes portions of engineered wood fiber and dynacushion and replaces with poured in place surfacing with thickened rubberized play surface wearcourse at high use areas.

2. Bid Alternate No. 02: Park Pavilion

- a. Base Bid: Includes pavilion, concrete paving, stoneclad seatwalls, site

furnishings, signage, electrical/lighting, and downspout piping.

- b. Deduct Alternate: deducts pavilion, concrete paving, stoneclad seatwalls, site furnishings, signage, electrical/lighting, and downspout piping. (if alternate is deducted, areas to be existing turf or seeded turf and topsoil for finish grading)

3. Bid Alternate No. 03: Interpretive Signage

- a. Base Bid: Includes interpretive signage and footings.
- b. Deduct Alternate: Deducts interpretive signage and footings.

4. Bid Alternate No. 04: Church Street Entry Signage

- a. Base Bid: Includes entry signage wall and foundation
- b. Deduct Alternate: Deducts entry signage wall and foundation

END OF SECTION 01 23 00

SECTION 01 27 00 - UNIT PRICES

PART 1 - GENERAL

1.01 RELATED DOCUMENTS

- A. Drawings and general provisions of the Contract, including General and Supplementary Conditions and other Division 1 Specification Sections, apply to this Section.

1.02 SUMMARY

- A. This Section includes administrative and procedural requirements for unit prices.

1.03 DEFINITIONS

- A. Unit price is a price per unit of measurement for materials or services provided in the Contract. The unit prices shall be added to or deducted from the Contract Sum by appropriate modification, if estimated quantities of Work required by the Contract Documents are increased or decreased.

1.04 PROCEDURES

- A. Unit prices include all necessary material, plus cost for delivery, installation, insurance, bonding, overhead, and profit.
- B. Owner reserves the right to reject Contractor's measurement of work-in-place that involves use of established unit prices and to have this work measured, at Owner's expense, by an independent surveyor acceptable to Contractor.
- C. List of Unit Prices: A list of unit prices is included at the end of this Section. Specification Sections referenced in the schedule contain requirements for materials described under each unit price.

PART 2 - PRODUCTS (Not Used)

PART 3 - EXECUTION

3.01 LIST OF UNIT PRICES

1. Unit Price No. 1 – Chain-link Replacement
 - a. Description: Unit price for the replacement of existing Chain-link Fence, including mesh fabric, posts and concrete footings, and rails.
 - b. Unit of Measurement: Linear Foot
 - c. Refer to Landscape sheets L5.00 – L5.02 and detail 7 /L6.03
2. Unit Price No. 2 – Perform Entry Wall Signage Repairs – Brick Replacement
 - a. Description: Replacement of defective masonry and brick units with bricks of matching color and texture.
 - b. Unit of Measurement: Each

~~3. Unit Price No. 3 – Perform Entry Wall Signage Repairs – Precast Concrete~~

- ~~a. Description: Repair of surface cracks, chips, and spalls~~
- ~~b. Unit of Measurement: Square Feet~~
- ~~c. Refer to 03 01 40.71 Rehabilitation of Precast Concrete~~
- 4. Unit Price No. 3 – Perform Tree Pruning
 - a. Description: Prune low, hanging branches and vines from existing trees and shrubs that overhang walks, streets and drives, parking areas, proposed structures or features.
 - b. Unit of Measurement: Each
 - c. Refer to 01 56 39 Tree and Plant Protection
- 5. Unit Price No. 4 - Perform Root Pruning
 - a. Description: Tree Root Pruning at locations adjacent to construction activity.
 - b. Unit of Measurement: Linear Foot
 - c. Refer to 01 56 39 Tree and Plant Protection
- 6. Unit Price No. 5 – Perform Unsuitable Soil Removable and Title D Landfill Disposal.
 - a. Description: Removal and Disposal of unsuitable soils.
 - b. Unit of Measurement: Cubic Yards as measured in situ (as measured/quantified prior to excavation)
 - c. Refer sheet C2.01

END OF SECTION 01 27 00

SECTION 32 18 16 - PLAYGROUND PROTECTIVE SURFACING – ALT #01

PART 1 - GENERAL

1.01 SUMMARY

- A. Section Includes:
 - 1. Rubberized Play Surface: Unitary synthetic poured bonded rubber seamless surface system is designed to be used as the impact attenuating surface for play areas over concrete, asphalt, and crushed stone aggregate.
 - 2. Thickened Rubberized Play Surface Wearcourse
 - 3. DynaCushion Wear Mat
 - 4. Rubberized Play Surface Aggregate Sub Base

1.02 DEFINITIONS

- A. Definitions in ASTM F2223 apply to Work of this Section.
- B. Critical Height: Standard measure of shock attenuation. According to ASTM F2223, this approximates "the maximum fall height from which a life-threatening head injury would not be expected to occur."
- C. SBR: Styrene-butadiene rubber.
- D. Unitary Surfacing: A protective surfacing of one or more material components bound together to form a continuous surface; same as "unitary system" in ASTM F2223.

1.03 PERFORMANCE REQUIREMENTS

- A. Impact Attenuation: According to ASTM F 1292.
- B. Accessibility of Surface Systems: According to ASTM F 1951.
- C. Skid Resistance Test: According to ASTM F 1028.
- D. CPSC No. 325

1.04 ACTION SUBMITTALS

- A. Product Data: For each type of product indicated.
- B. Shop Drawings: For each type of protective surfacing.
 - 1. Include plans, sections, placement details, and attachment to substrates.
 - 2. Include accessories and edge terminations.
 - 3. Include patterns made by varying colors of surfacing and details of graphics.
 - 4. Include fall heights and use zones for equipment and structures.
- C. Samples for Verification: For each type of playground surface system indicated.
 - 1. Minimum 1-quart loose-fill surface sealed in a container.
 - 2. Minimum 6-by-6-inch Sample of synthetic rubber seamless surface.

1.05 INFORMATIONAL SUBMITTALS

- A. Coordination Drawings: Plans, drawn to scale, on which the following items are shown and

coordinated with each other, using input from Installers of the items involved:

1. Extent of surface systems and use zones for equipment.
 2. Critical heights for playground surfaces and fall heights for equipment.
- B. Qualification Data: For qualified Installer and testing agency.
- C. Product Certificates: For each type of unitary synthetic playground surface system, from manufacturer.
- D. Product Test Reports: Based on evaluation of comprehensive tests performed by a qualified testing agency, for each unitary synthetic playground surface system.
- E. Field quality-control reports.
- F. Warranty: For manufacturer's special warranty.

1.06 CLOSEOUT SUBMITTALS

- A. Maintenance Data: For playground surface system to include in maintenance manuals.

1.07 MAINTENANCE MATERIAL SUBMITTALS

- A. Furnish extra materials, from the same product run, that match products installed and that are packaged with protective covering for storage and identified with labels describing contents.
1. Loose Fill: Amount equal to 10 sq. feet of amount installed, but no fewer than 1 units.
 2. Provide secondary materials including adhesives, primers, and repair materials of type and from source recommended by manufacturer of playground surface system materials.

1.08 QUALITY ASSURANCE

- A. Installer Qualifications: An employer of workers trained and approved by manufacturer.
- B. Source Limitations: Obtain playground surface system materials, including primers and binders, from single source from single manufacturer.
- C. Standards and Guidelines: Comply with CPSC No. 325, "Handbook for Public Playground Safety"; ASTM F 1292; and ASTM F 1487.
- D. Mockups: Build mockups to verify selections made under Sample submittals and to set quality standards for materials and execution.
1. Build mockups for protective surfacing including accessories.
 - a. Size: 48 inches by 48 inches.
 2. Approval of mockups does not constitute approval of deviations from the Contract Documents contained in mockups unless Landscape Architect specifically approves such deviations in writing.

1.09 PROJECT CONDITIONS

- A. Weather Limitations: Proceed with installation only when existing and forecasted weather conditions permit playground surface system installation to be performed according to manufacturers' written instructions and warranty requirements.

1.10 WARRANTY

- A. Special Warranty: Manufacturer's standard form in which Manufacturer and Installer agree to repair or replace components of playground surface system that fails in materials or workmanship within specified warranty period.

1. Failures include, but are not limited to, the following:
 - a. Reduction in impact attenuation.
 - b. Deterioration of surface and other materials beyond normal weathering.
 - c. Discoloration of top surface via fading within 5-year period from date of installation.
2. Warranty Period: 10 years from date of Substantial Completion.

PART 2 - PRODUCTS

2.01 PERFORMANCE REQUIREMENTS

- A. Impact Attenuation: Critical fall height tested according to ASTM F1292.
- B. Accessibility Standard: Minimum surfacing performance according to ASTM F1951.

2.02 MANUFACTURERS

- A. Source Limitations: Obtain protective surfacing materials, including loose-fill accessories, from single source from single manufacturer.
 1. Provide geosynthetic accessories of each type from source recommended by manufacturer of protective surfacing materials.

2.03 UNITARY SYNTHETIC DUAL-DENSITY SEAMLESS SURFACE

- A. Surface System: Poured-in-place, two-layer system with wearing course over cushion course. Provide manufacturer's standard thickness for each layer as required for overall thickness indicated, tested for impact attenuation according to ASTM F 1292 and for accessibility according to ASTM F 1951.
 1. Basis-of-Design Product: Subject to compliance with requirements, provide product indicated on Drawings by:
 - a. Manufacturer: Surface America Incorporated; Poured-in-Place / PlayBound Evertop
 - b. Or comparable product by one of the following:
 - 1) PebbleFlex Surfacing System
 - 2) TerraSoft, Shaw Sportexe
 - 3) XGrass
 - 4) Child Safe Products, Inc.; Safety Surface.
 - 5) GameTime; GT Impax Poured.
 - 6) No Fault Industries, Inc.; SAF DEK.
 - 7) Safe Guard Surfacing Corp.; Poured in Place.
 - 8) SpectraTurf, Inc.; Spectra Pour.
 2. Wearing Course: Formulation of EPDM rubber particles, with minimum of 20 percent and maximum of 26 percent of ethylene propylene-diene-saturated polymethylene main chain along with other organic and inorganic components.
 3. Cushion Course: Manufacturer's standard formulation of recycled SBR particles and polyurethane, site mixed and applied.

4. Binder: Weather-resistant, UV-stabilized, flexible, nonhardening, 100 percent solids polyurethane complying with requirements of authorities having jurisdiction for nontoxic and low VOC content.
5. Lacquer Top Coat: Manufacturer's standard polyurethane-based formulation.
6. Critical Height: Highest measurable fall zone as established by the equipment Manufacturer and any adjoining features within each designated play area or as indicated on approved shop drawings provided by the Manufacturer (Confirm maximum fall height of structures within the playground zone does not exceed the noted Critical Height).
7. Overall Thickness: Overall measurable thickness of impact and top layer material or as indicated on approved shop drawings provided by the Manufacturer.
8. Primer/Adhesive: Manufacturer's standard primer and weather-resistant, moisture-cured polyurethane adhesive suitable for unit, substrate, and location indicated.
- 1) Top Surface Wearing Course Color(s): As per approved drawings and matching samples.
 - a. Color:
 - 1) PA 6 - Color A: 25% Black, 60% Bright Green, 15% Pearl
 - 2) PA 7 - Color B: 25% Black, 25% Pearl, 50% Teal
 - 3) PA 8 - Color C: 25% Black, 60% Gold, 15% Pearl
 - 4) PA 9 - Color D: 25% Black, 40% Teal, 10% Bright Green
 - b. Color Pattern: As per approved drawings and matching samples.
- B. Leveling and Patching Material: Portland cement-based grout or epoxy or polyurethane-based formulation suitable for exterior use and approved by playground surface system manufacturer.

2.04 DYNACUSHION WEAR MAT

- A. Manufacturer:
 1. Pierceton Rubber Products, Inc.
3076 S 900 E
Pierceton, IN 46526
574-265-1996
 2. Description: #R20C4872 DynaCushion Wear Mat
 3. Size 4' x 6' x 2'
 4. Color: Black

2.05 SUB-BASE

- A. Aggregate Sub-base: As per drawings and manufacturer's requirements
 1. P210 Aggregate
 - a. Stable and Permeable Single Lift Foundation System
 2. CA-7 Aggregate
 - a. $\frac{3}{4}$ " Crushed Bedding Limestone

PART 3 - EXECUTION

3.01 EXAMINATION

- A. General: Prepare substrates to receive surfacing products according to playground surface system manufacturer's written instructions. Verify that substrates are sound and without high spots, ridges, holes, and depressions.
- B. Examine substrates and conditions, with Installer present, for compliance with requirements for maximum moisture content, subgrade and substrate conditions, drainage, and other conditions affecting performance of the Work.
- C. Proceed with installation only after unsatisfactory conditions have been corrected.

3.02 INSTALLATION, GENERAL

- A. General: Comply with playground surface system manufacturer's written installation instructions. Install playground surface system over area and in thickness indicated per the approved shop drawings.

3.03 INSTALLATION OF SEAMLESS PLAYGROUND SURFACE SYSTEMS

- A. Seamless Surface: Mix and apply components of playground surface system according to manufacturer's written instructions to produce a uniform, monolithic wearing surface and impact-attenuating system of total thickness indicated.
 - 1. Substrate Primer: Apply over prepared substrate at manufacturer's standard spreading rate for type of substrate.
 - 2. Poured Cushion Course: Spread evenly over primed substrate to form a uniform layer applied at manufacturer's standard spreading rate in one continuous operation, with a minimum of cold joints.
 - 3. Intercoat Primer: Over cured cushion course, apply primer at manufacturer's standard spreading rate.
 - 4. Wearing Course: Spread over primed base course to form a uniform layer applied at manufacturer's standard spreading rate in one continuous operation and, except where color changes, with no cold joints. Finish surface to produce manufacturer's standard wearing-surface texture.
 - a. High Wear Areas: Under all high wear areas, such as under slides and swings, apply a layer of grout. Install as per Manufacturer's specification. Confine the application of grout to square or rectangular areas using tape applied before the application. Allow 24 hours for the grout to dry.
 - b. Where colored pattern is indicated, place adjacent colored material as soon as placed colored material is sufficiently cured, using primer or adhesive if required by manufacturer's written instructions.
 - 5. Lacquer Topcoat: Spray or roller applied at manufacturer's standard coating rate in one continuous operation.
 - 6. Edge Treatment: As indicated. Fully adhere edges to substrate with full coverage of substrate. Maintain fully cushioned thickness required to comply with safety performance requirements.

3.04 PROTECTION

- A. Seamless Systems: Prevent traffic over system for not less than 48 hours after installation.

3.05 CLEANING

- A. The contractor is required to clean the job site of excess materials and if necessary, backfill any excavation around the perimeter with the appropriate material.

- B. The contractor shall instruct the owner's personnel on proper maintenance and repair of the play surface.

END OF SECTION 32 18 16

SECTION 32 33 00 - SITE FURNISHINGS

PART 1 - GENERAL

1.01 SUMMARY

- A. Section Includes:
 - 1. Picnic Table
 - 2. Bike Rack
 - 3. Trash Receptacle
 - 4. Trash and Recycling Receptacle
 - 5. Park Bench
 - 6. Salvaged Drinking Fountain
 - 7. Rock Outcropping
 - 8. Barbeque Grill
 - 9. Coal Receptacle
 - 10. Interpretive Signage - Alternate #03

1.02 ACTION SUBMITTALS

- A. Product Data: For each type of product.
- B. Samples: For each exposed product and for each color and texture specified.
- C. Samples for Initial Selection: For units with factory-applied finishes.
- D. Samples for Verification: For each type of exposed finish, not less than 6-inch-long linear components and 4-inch-square sheet components.
 - 1. Include full-size Samples of benches, tables, bicycle rack, trash receptacle, rock outcropping. Approved samples may be incorporated into the Work.
- E. Product Schedule: For site furnishings. Use same designations indicated on Drawings.

1.03 INFORMATIONAL SUBMITTALS

- A. Material Certificates: For site furnishings manufactured with preservative-treated wood.
 - 1. Indicate type of preservative used and net amount of preservative retained. For products receiving a waterborne treatment, include statement that moisture content of treated materials was reduced to levels specified before shipment to Project site.

1.04 CLOSEOUT SUBMITTALS

- A. Maintenance Data: For site furnishings to include in maintenance manuals.

1.05 MAINTENANCE MATERIAL SUBMITTALS

- A. Furnish extra materials that match products installed and that are packaged with protective covering for storage and identified with labels describing contents.
 - 1. Bench Replacement Slats: No fewer than 4 full-size units for each size indicated.

PART 2 - PRODUCTS

2.01 SITE FURNISHINGS

- A. Subject to compliance with requirements, provide and install the following site furnishing items.
- B. SF1 - Picnic Table
 - 1. Pilot Rock
PO Box 946
Cherokee, IA 51012
Ph. No: (712)-225-5115
 - 2. Type/Model No.: WXT Series/ G-6 Universal Access Table
 - 3. Description: D-Type Thermo-plastic Coated Expanded Steel Top and Seats
 - 4. Mesh: Coated, Expanded Steel D-Type
 - 5. Size: 6 ft.
 - 6. Height: Standard
 - 7. Frame Finish: Powder Coated, Black
- C. SF2 – Bike Rack
 - 1. Madrax (Supplied by Graber Manufacturing)
1080 Uniek Dr
Waunakee, WI 53597
Ph. N: (608) 849-1080
 - 2. Type/Model No.: UX200-IG, Surface mount, 2" square tubing
 - 3. Description: Galvanized Steel, Powder Coated Black
- D. SF3A – Trash Receptacle
 - 1. Cleanriver Recycling Solutions
288 Don Hillock Dr,
Aurora, ON L4G 0G9, Canada
(888) 646-4246
 - 2. Type/Model No.: PD35-1
 - 3. Capacity: 35 USG / 132 L
 - 4. Streams: 1
 - 5. Dimensions (WxDxH): 22"× 19" × 47.25"
 - 6. Color:
 - a. Body/Trash: Raven Black – To be confirmed by Client
 - b. Door/Trash: Raven Black – To be confirmed by Client
 - 7. Graphics: Large Poster (City of Evanston Custom) - PO-1319
 - 8. Locking Device: LK01-HK01
 - 9. Opening Shapes: Black Arched Rectangle 12.5" x 5.5"

E. SF3B – Trash and Recycling Receptacle

1. Cleanriver Recycling Solutions
288 Don Hillock Dr,
Aurora, ON L4G 0G9, Canada
(888) 646-4246
2. Type/Model No.: PD35-2
3. Capacity: 70 USG / 264 L
4. Streams: 2
5. Dimensions (WxDxH): 42"× 19" × 47.25"
6. Color:
 - a. Body/Trash: Raven Black – To be confirmed by Client
 - b. Door/Trash: Raven Black – To be confirmed by Client
 - c. Body/Recycling: Raven Black – To be confirmed by Client
 - d. Door/Recycling: Marine Blue – To be confirmed by Client
7. Graphics: Large Poster (City of Evanston Custom) - PO-1319
8. Locking Device: LK01-HK01
9. Opening Shapes: Black Arched Rectangle 12.5" x 5.5" & Blue Saturn 9" x 2" x 5"

F. SF4 – Park Bench

1. DuMor Site Furnishing
138 Industrial Cir.
Mifflintown, PA 17059
Ph. No: (717) 436-2106
2. Type/Model No.: 165 Series
3. Size: 6' long
4. Description: Galvanized Steel Frame with recycled plastic slats, surface mount, include center arm rest.
5. Finish: Powder Coated – various colors

G. SF5 – Salvaged Drinking Fountain (*Reinstall Existing*)

1. MDF (*for reference*)
5705 Commander Dr.
Arlington, TN 38002
Ph. No: (901) 867-0039
2. Type/Model: 10145SMFA with ADA Apron added
3. Description: Provide and replace connectors, filters, etc. Flare fittings (as opposed to compression fittings)

H. SF6 – Rock Outcropping

Lurvey Landscape Supply
30560 Russell Dr.
Volo, IL 60073

Ph. No.: (815) 363-4420

1. Type/Model: Natural Outcropping Weathered Limestone / Ledgerrock
2. Description: Stone Dimensions Vary – 12"- 24"H x 30"-42"L x 18"-30" D

I. SF7 – Barbeque Grill

Dumor Inc.
138 Industrial Cir
Mifflintown, PA 17059
Ph. No.: (717) 436-2106

1. Type/Model: 21-00 Grill for Embedment

J. SF8 – Coal Receptacle

Highland Products Group/The Park Catalog
931 Village Blvd Ste 905-354
West Palm Beach, FL 33409
Ph. No.: 877-232-8230

1. Type/Model: Steel Hot Coal Bin 398-9131
2. Description: 33-7/16" tall x 23-3/4" square. 31 gal capacity.
 - a. Surface Mount
 - b. Provide PartNo GG31: Galvanized 30 Gallon Can
3. Owner to provide door lock.

K. SG1 - Interpretive Signage ALT #03

1. CUSTOM SIGNAGE PANEL,
2. 1/2" Powder Coated Steel Plate With Integrated Custom Printed Graphics And Embossed Lettering
3. Size: 2' x 4'-6"
4. Final Graphics to be provided by Landscape Architect
5. Mockup to be provided

2.02 MATERIALS

- A. Anchors, Fasteners, Fittings, and Hardware: Manufacturer's standard, corrosion-resistant-coated or noncorrodible materials; commercial quality, tamperproof, vandal and theft resistant, concealed, recessed, and capped or plugged.
 1. Angle Anchors: For inconspicuously bolting legs of site furnishings to on-grade substrate; per manufacturer's specifications.
 2. Antitheft Hold-Down Brackets: For securing site furnishings to substrate; per manufacturer's specifications.
- B. Nonshrink, Nonmetallic Grout: Premixed, factory-packaged, nonstaining, noncorrosive, nongaseous grout complying with ASTM C1107; recommended in writing by manufacturer, for exterior applications.
- C. Erosion-Resistant Anchoring Cement: Factory-packaged, nonshrink, nonstaining, hydraulic-controlled expansion cement formulation for mixing with potable water at Project site to create

pourable anchoring, patching, and grouting compound; resistant to erosion from water exposure without needing protection by a sealer or waterproof coating; recommended in writing by manufacturer, for exterior applications.

2.03 WOOD-PRESERVATIVE-TREATED MATERIALS

- A. Preservative Treatment: Pressure-treat wood according to AWPA U1, Use Category UC3b, and the following:
 - 1. Use preservative chemicals acceptable to authorities having jurisdiction and containing no arsenic or chromium. Use chemical formulations that do not bleed through or otherwise adversely affect finishes. Do not use colorants to distinguish treated materials from untreated materials.
 - 2. Kiln-dry lumber and plywood after treatment to a maximum moisture content, respectively, of 19 and 15 percent. Do not use materials that are warped or do not comply with requirements for untreated materials.

2.04 FABRICATION

- A. Metal Components: Form to required shapes and sizes with true, consistent curves, lines, and angles. Separate metals from dissimilar materials to prevent electrolytic action.
- B. Welded Connections: Weld connections continuously. Weld solid members with full-length, full-penetration welds and hollow members with full-circumference welds. At exposed connections, finish surfaces smooth and blended, so no roughness or unevenness shows after finishing and welded surface matches contours of adjoining surfaces.
- C. Pipes and Tubes: Form simple and compound curves by bending members in jigs to produce uniform curvature for each repetitive configuration required; maintain cylindrical cross section of member throughout entire bend without buckling, twisting, cracking, or otherwise deforming exposed surfaces of handrail and railing components.
- D. Preservative-Treated Wood Components: Complete fabrication of treated items before treatment if possible. If cut after treatment, apply field treatment complying with AWPA M4 to cut surfaces.
- E. Exposed Surfaces: Polished, sanded, or otherwise finished; all surfaces smooth, free of burrs, barbs, splinters, and sharpness; all edges and ends rolled, rounded, or capped.
- F. Factory Assembly: Factory assemble components to greatest extent possible to minimize field assembly. Clearly mark units for assembly in the field.

PART 3 - EXECUTION

3.01 EXAMINATION

- A. Examine areas and conditions, with Installer present, for compliance with requirements for correct and level finished grade, mounting surfaces, installation tolerances, and other conditions affecting performance of the Work.
- B. Proceed with installation only after unsatisfactory conditions have been corrected.

3.02 INSTALLATION

- A. Comply with manufacturer's written installation instructions unless more stringent requirements are indicated. Complete field assembly of site furnishings where required.
- B. Unless otherwise indicated, install site furnishings after landscaping and paving have been completed.

- C. Install site furnishings level, plumb, true, and securely anchored positioned at locations indicated on Drawings.
- D. Post Setting: Set cast-in support posts in concrete footing with smooth top, shaped to shed water. Protect portion of posts above footing from concrete splatter. Verify that posts are set plumb or at correct angle and are aligned and at correct height and spacing. Hold posts in position during placement and finishing operations until concrete is sufficiently cured.
- E. Posts Set into Voids in Concrete: Form or core-drill holes for installing posts in concrete to depth recommended in writing by manufacturer of site furnishings and 3/4 inch larger than OD of post. Clean holes of loose material, insert posts, and fill annular space between post and concrete with nonshrink, nonmetallic grout or anchoring cement, mixed and placed to comply with anchoring material manufacturer's written instructions, with top smoothed and shaped to shed water.
- F. Pipe Sleeves: Use steel pipe sleeves preset and anchored into concrete for installing posts. After posts have been inserted into sleeves, fill annular space between post and sleeve with nonshrink, nonmetallic grout or anchoring cement, mixed and placed to comply with anchoring material manufacturer's written instructions, with top smoothed and shaped to shed water.

END OF SECTION 32 33 00