



**Bid No. 26-04**

**2026 Church Street Water Main Improvement**

**ADDENDUM No. 1**

**January 15, 2026**

Any and all changes to the Bid are valid only if they are included by written addendum to all potential respondents, which will be emailed 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 in its Bid. Each respondent, by acknowledging receipt of addenda, is responsible for the contents of the addenda and any changes to the bid therein. Failure to acknowledge receipt of addenda may cause the Bid to be rejected. If any language or figures contained in this addendum are in conflict with the original Bid Document, this addendum shall prevail.

This **Addendum No. 1** is attached and consists of a total of twenty-eight (28) pages including this cover sheet and the following attachment:

Please feel free to call 847-866-2971 or email [cstuart@cityofevanston.org](mailto:cstuart@cityofevanston.org) with any questions or comments.

Sincerely,

Cheryl Stuart  
Purchasing Specialist



**Bid No. 26-04**

**2026 Church Street Water Main Improvement**

**ADDENDUM No. 1**

**January 15, 2026**

This addendum forms a part of the Specifications and Bid Documents for Bid #26-04 and modifies these documents. This addendum consists of the following revisions:

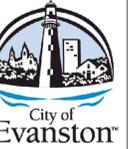
**QUESTION**

1. **QUESTION:** There would normally be a set of plans with this bid package, I just see the specifications.

**RESPONSE:** Yes, Attached is the Project Plan Set.

**Note: Acknowledgment of this Addendum is required in the Submittal.**

# 2026 CHURCH STREET (McDANIEL AVE-FLORENCE AVE) WATER MAIN IMPROVEMENTS PROJECT, PW-WM-2501 CITY OF EVANSTON BID NO: 26-04



NO.	DATE	REVISION
1		
2		
3		
4		

## 2026 CHURCH STREET (McDANIEL-FLORENCE) WATER MAIN IMPROVEMENTS PROJECT INDEX OF SHEETS

SCALE	<b>NTS</b>
PROJECT NUMBER:	PW-WM-2501
BID NUMBER:	26-04
ISSUED FOR:	BID
DATE:	12/08/2025
DESIGNED BY:	AA
DRAWN BY:	AA
CHECKED BY:	BN
SHEET	<b>1 OF 26</b>

### 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: BRIDGET NASH, PE  
SENIOR PROJECT MANAGER

### INDEX OF SHEETS

- 1 TITLE SHEET
- 2 GENERAL NOTES
- 3 SUMMARY OF QUANTITIES
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- 19 EROSION AND SEDIMENT CONTROL PLAN
- 20-22 STATE STANDARDS AND DETAIL SHEETS
- 23-24 LEAD SERVICE LINE REPLACEMENT PROGRAM NOTES AND DETAILS
- 25 MWRD GENERAL NOTES/IEPA SEPARATION REQUIREMENTS
- 26 IDOT STANDARDS

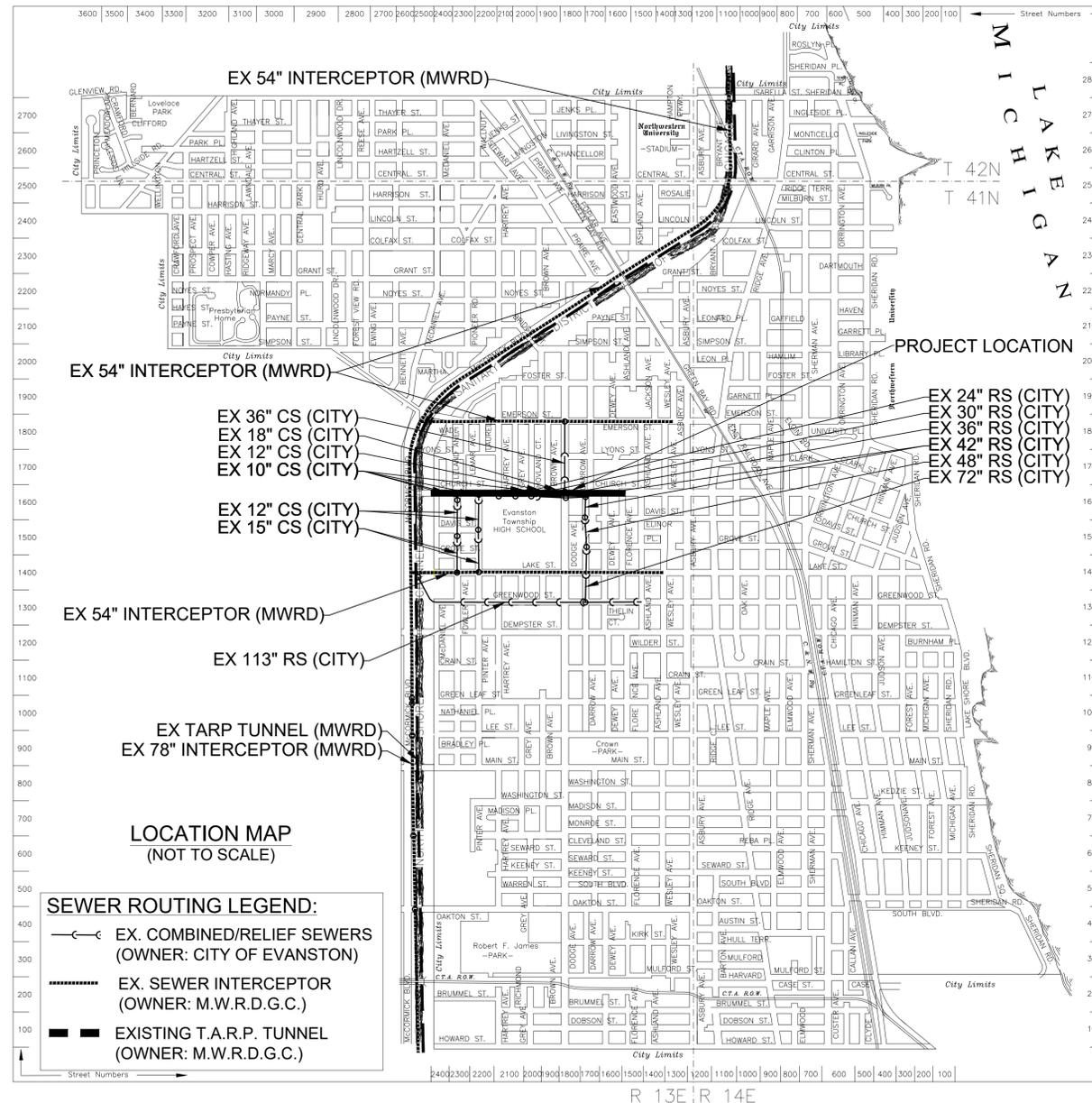
### PROJECT MANAGER

BRIDGET NASH, PE  
SENIOR PROJECT MANAGER  
PUBLIC WORKS AGENCY  
BUREAU OF CAPITAL PLANNING AND ENGINEERING

909 DAVIS STREET  
EVANSTON, ILLINOIS  
(847) 448-8102  
BNASH@CITYOFEVANSTON.ORG

### NOTE:

Benchmark Notes, Locations and Elevations using City of Evanston datum are within the plan set. See datum conversion on sheet 25 of 26, General Notes C, paragraph 1



### HIGHWAY STANDARDS

420001 - 10	424001 - 12
424006 - 06	424011 - 05
424016 - 06	424021 - 07
424026 - 04	424031 - 03
606001 - 08	780001 - 05

### TRAFFIC STANDARDS

701301 - 04	701501 - 06
701602 - 10	701606 - 10
701611 - 01	701701 - 10
701801 - 06	701901 - 10

### DISTRICT ONE DETAILS

TC - 10	BD - 08
TC - 13	BD - 32
TC - 26	TS - 07

### 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.

**Contact the Metropolitan Water Reclamation District of Greater Chicago 2 days before starting work.**

P (708) 588-4055  
E WMOJobStart@mwr.org

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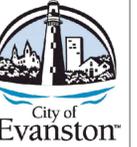


### CHURCH STREET (McDaniel Av-Florence Av)

Address	Size	City	Private
2429 Church	???	Copper	Copper
2425 Church	1"	Copper	Copper
2423 Church	1"	Lead	Lead
2421 Church	1"	Lead	Lead
2419 Church	1"	Lead	GS
2417 Church	1"	Lead	Lead
2413 Church	1"	Copper	Copper
2333 Church	1"	Copper	Copper
2331 Church	1"	Lead	Lead
2327 Church	1"	Lead	Lead
2325 Church	1"	Copper	Copper
2201 Church (High School Field)	4"	DI	DI
2125 Church	1.5"	Copper	Copper
2121 Church	1"	Lead	Lead
2117 Church	1"	Lead	Lead
2113 Church	1"	Copper	Lead
1704 Grey	1"	Copper	Copper
2031 Church	1"	Lead	Lead
2027 Church	1"	Copper	Copper
2023 Church	1"	Copper	Copper
2019 Church	1"	Lead	GS
2007 Church	1"	Copper	Copper
2003 Church	1"	Lead	Copper
1933 Church	1"	Lead	Lead
1931 Church	1"	Lead	Copper
1911 Church	6"	DI	DI
1905 Church	1"	Lead	Lead
1823 Church	1"	Copper	Copper
1819 Church	2"	Copper	Copper
1817 Church	2"	Lead	Lead
1813-15 Church	1"	Lead	Lead
1812 Church	???	Lead	Lead
1811 Church	1"	Lead	Lead
1810 Church	1"	Lead	Lead
1808 Church	2"	Lead	Lead
1712 Church	???	Lead	Lead
1711 Church	1"	Lead	Lead

### SUMMARY OF QUANTITIES 2025 CHURCH STREET (McDANIEL AVE - FLORENCE AVE) WATER MAIN IMPROVEMENTS PROJECT, PW-WM-2501

ITEM NO.	ITEM	UNIT	QUANTITY
1	SP	TEMPORARY FENCE	FOOT 7,474
2	SP	TREE TRUNK PROTECTION	EACH 68
3	SP	TREE ROOT PRUNING	FOOT 2,102
4	SP	TREE PRUNING	EACH 68
5	SP	TREE REMOVAL (OVER 15 INCH DIA)	EACH 7
6	SP	REMOVAL AND DISPOSAL OF UNSUITABLE MATERIAL	CU YD 80
7	SP	TRENCH BACKFILL	CU YD 1,090
8	SP	POROUS GRANULAR BACKFILL	TON 290
9	SP	TOPSOIL FURNISH AND PLACE, SPECIAL	CU YD 25
10	SP	EXPLORATION TRENCH, SPECIAL (UP TO 8 FEET DEEP)	EACH 13
11	SP	WATER SERVICE POTHOLING, SPECIAL (UP TO 8 FEET DEEP)	EACH 4
12	SSRBC	INLET FILTERS	EACH 53
13	SP	SUBBASE GRANULAR MATERIAL, TYPE B	TON 24
14	SP	AGGREGATE FOR TEMPORARY ACCESS	TON 265
15	SP	TEMPORARY HOT-MIX ASPHALT	TON 300
16	SP	TEMPORARY COLD-MIX ASPHALT	TON 140
17	SSRBC	BITUMINOUS MATERIALS (TACK COAT)	POUND 2,200
18	SSRBC	AGGREGATE (PRIME COAT)	TON 7
19	SSRBC	HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N50	TON 375
20	SSRBC	HMA SURFACE REMOVAL, VARIABLE DEPTH	SQ YD 3,159
21	SP	PCC DRIVEWAY PAVEMENT, 6 INCH	SQ YD 59
22	SP	PORTLAND CEMENT CONCRETE SIDEWALK, 5 INCH	SQ FT 3,850
23	SSRBC	DRIVEWAY PAVEMENT REMOVAL	SQ YD 59
24	SSRBC	CONCRETE CURB REMOVAL	FOOT 115
25	SSRBC	COMBINATION CURB AND GUTTER REMOVAL	FOOT 526
26	SSRBC	SIDEWALK REMOVAL	SQ FT 3,850
27	SP	FULL DEPTH PATCHES, SPECIAL 11"	SQ YD 1,227
28	SP	RELIEF SEWERS 12", SPECIAL (DIP CL 50)	FOOT 19
29	SP	STORM SEWERS 24", (PVC, SDR, 26)	FOOT 10
30	SP	STORM SEWERS 8", SPECIAL (DIP CL 50)	FOOT 162
31	SP	WATER MAIN 10", (DIP CL 54), PUSH JOINT	FOOT 160
32	SP	WATER MAIN 8", (DIP CL 54), PUSH JOINT	FOOT 980
33	SP	WATER MAIN 6", (DIP CL 54), PUSH JOINT	FOOT 80
34	SP	WATER MAIN 10", (DIP CL 54), RESTRAINED JOINT, DIRECTIONALLY DRILLED	FOOT 340
35	SP	WATER MAIN 8", (DIP CL 54), RESTRAINED JOINT, DIRECTIONALLY DRILLED	FOOT 2,040
36	SP	WATER VALVES, 24", SERIES 2500-NRS WITH BEVEL GEARING; WATER MAIN 24" (DIP, CL 54), EXTERNAL ZINC-BASED COATED; FLUOROCARBON RUBBER (VITON) GASKET, 24" (ALLOWANCE); COMPLETE	EACH 1
37	SP	WATER VALVES, 10", COMPLETE	EACH 3
38	SP	WATER VALVES, 8", COMPLETE	EACH 17
39	SP	WATER VALVES, 6", COMPLETE	EACH 3
40	SP	WATER SERVICE LINE, 2" DIA OR LESS, SHORT - PARTIAL REPLACEMENT	EACH 14
41	SP	WATER SERVICE LINE, 2" DIA OR LESS, SHORT - FULL REPLACEMENT	EACH 17
42	SP	WATER SERVICE LINE, 2" DIA OR LESS, LONG - PARTIAL REPLACEMENT	EACH 1
43	SP	WATER SERVICE LINE, 2" DIA OR LESS, LONG - FULL REPLACEMENT	EACH 4
44	SP	WATER SERVICE LINE, 4" DIA OR GREATER, VALVES, VALVE BOXES, COMPLETE	EACH 2
45	SP	ADJUSTING SANITARY SERVICES, 8-INCH DIA OR LESS	EACH 31
46	SP	FIRE HYDRANTS TO BE REMOVED	EACH 3
47	SP	FIRE HYDRANT WITH AUXILIARY VALVE, 6" DIWM PIPE, VALVE BOX AND TEE, COMPLETE	EACH 7
48	SP	FLUOROCARBON RUBBER (VITON) GASKET, 10" (ALLOWANCE)	EACH 12
49	SP	FLUOROCARBON RUBBER (VITON) GASKET, 8" (ALLOWANCE)	EACH 160
50	SP	FLUOROCARBON RUBBER (VITON) GASKET, 6" (ALLOWANCE)	EACH 44
51	SP	FLUOROCARBON RUBBER (VITON) GASKET, 4" (ALLOWANCE)	EACH 10
52	SP	DUCTILE IRON WATER MAIN FITTINGS (ALLOWANCE)	POUND 2,345
53	SP	CATCHBASINS, TYPE A, 4' DIAMETER, TYPE 1 FRAME, OPEN LID	EACH 8
54	SP	VALVE VAULTS, TYPE A, 5' DIAMETER, TYPE 1 FRAME, CLOSED LID	EACH 15
55	SP	VALVE BOX, COMPLETE	EACH 8
56	SP	REMOVING CATCHBASINS	EACH 8
57	SP	REMOVING INLETS	EACH 8
58	SP	FILLING VALVE BOXES	EACH 4
59	SP	FILLING VALVE VAULTS	EACH 1
60	SP	CONCRETE CURB, TYPE B (AEP MODIFIED)	FOOT 115
61	SP	COMB. CONC. CURB & GUTTER, TYPE B-6.12 (AEP MODIFIED)	FOOT 526
62	SP	NON-SPECIAL WASTE DISPOSAL	CU YD 1,085
63	SP	SPECIAL WASTE PLANS AND REPORTS	LSUM 1
64	SP	SOIL DISPOSAL ANALYSIS	EACH 26
65	SSRBC	MOBILIZATION	LSUM 1
66	SP	TRAFFIC CONTROL AND PROTECTION	LSUM 1
67	SP	CONSTRUCTION LAYOUT	LSUM 1
68	SP	STREET SWEEPING	EACH 65
69	SP	SHORT TERM PAVEMENT MARKINGS/WORK ZONE PAVEMENT MARKINGS	FOOT 10,800
70	SP	SHORT TERM PAVEMENT MARKING /WORK ZONE PAVEMENT MARKINGS REMOVAL	SQ FT 3,600
71	SP	PRE-FORMED PAVEMENT MARKING - BICYCLE AND ARROW (PAIR) SYMBOLS ON GREEN BACKGROUND	EACH 6
72	SP	GREEN COLOR PRE-FORMED PAVEMENT MARKINGS	SQ FT 1,200
73	SP	BIKE BOLLARDS, REMOVAL AND REPLACEMENTS	EACH 10
74	SSRBC	THERMOPLASTIC PAVEMENT MARKING - LETTERS AND SYMBOLS	SQ FT 27
75	SSRBC	THERMOPLASTIC PAVEMENT MARKING LINE - 24"	FOOT 166
76	SSRBC	THERMOPLASTIC PAVEMENT MARKING LINE - 12"	FOOT 520
77	SSRBC	THERMOPLASTIC PAVEMENT MARKING LINE - 6"	FOOT 1,420
78	SSRBC	THERMOPLASTIC PAVEMENT MARKING LINE - 4"	FOOT 8,730
79	SSRBC	CHANGEABLE MESSAGE SIGN, SPECIAL	CAL. MO. 8
80	SP	PRE AND POST CONSTRUCTION SUB-SURFACE VIDEOTAPING	FOOT 7,232
81	SP	LANDSCAPING ALLOWANCE	LSUM 1
82	SP	LEAD-BASED PAINT AND ASBESTOS MATERIALS REMEDIATION ALLOWANCE	LSUM 1
83	SP	ELECTRICAL GROUNDING ALLOWANCE	LSUM 1
84	SP	CORING INTERIOR WALLS	EACH 4
85	SP	FOR PARTIAL WATER SERVICES, EXTERIOR COPPER PIPE	FOOT 150
86	SP	FOR FULL WATER SERVICES, INTERIOR COPPER PIPE	FOOT 210
87	SP	ABUTMENT RAILINGS REMOVAL AND RE-INSTALLATION, COMPLETE	LSUM 1
88	SP	PAVERS REMOVAL AND REPLACEMENT	SQ YD 59
89	SSRBC	DETECTABLE WARNINGS	SQ FT 1,128
90	SSRBC	TRAFFIC LOOP DETECTOR	FOOT 509



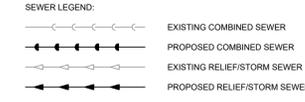
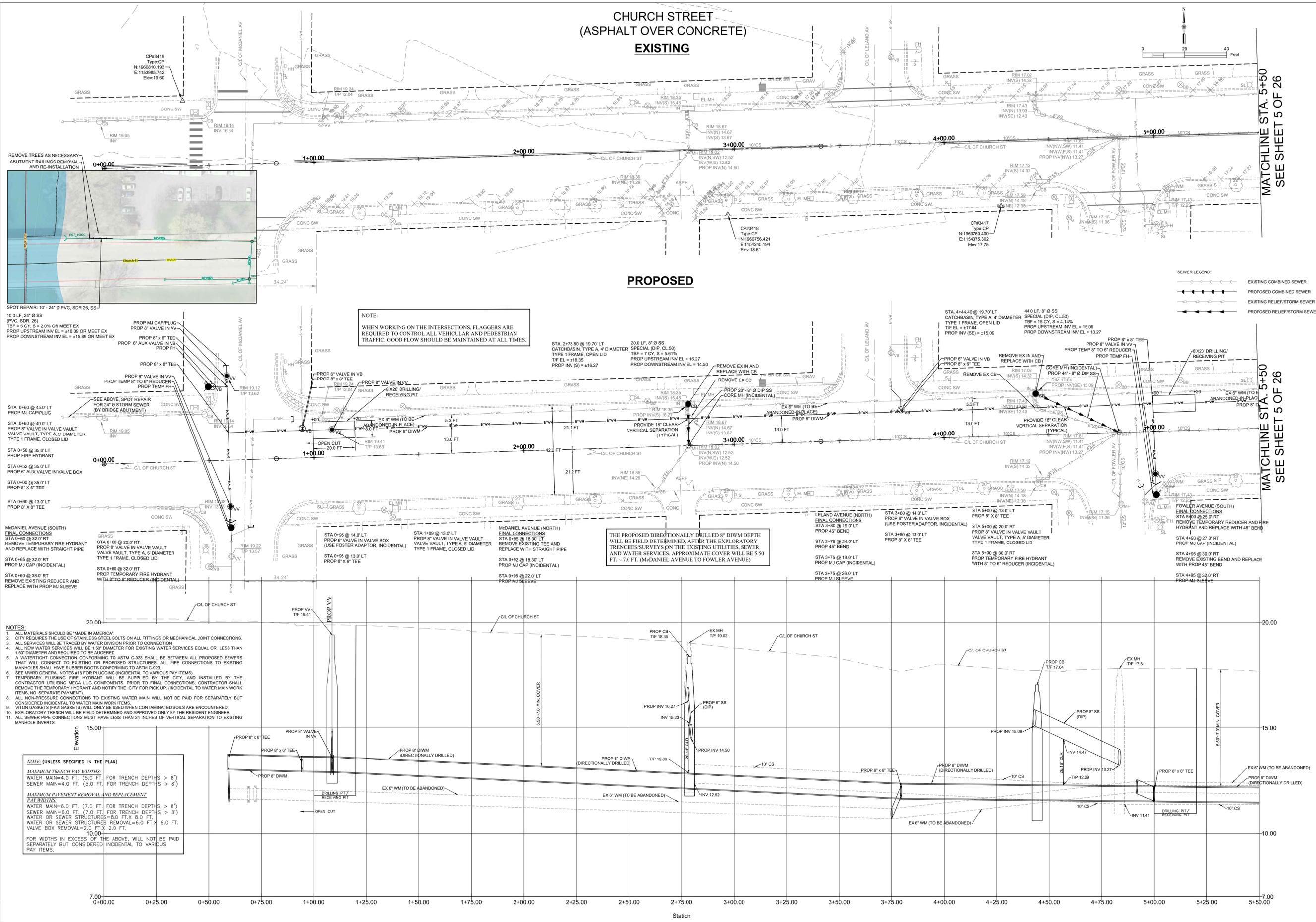
1	2	3	4	NO.	DATE	REVISION

## 2026 CHURCH STREET (McDANIEL-FLORENCE) WATER MAIN IMPROVEMENTS PROJECT SUMMARY OF QUANTITIES/SWS INFO

SCALE <b>NTS</b>
PROJECT NUMBER: PW-WM-2501
BID NUMBER: 26-04
ISSUED FOR: BID
DATE: 12/08/2025
DESIGNED BY: AA
DRAWN BY: AA
CHECKED BY: BN
SHEET <b>3 OF 26</b>



# CHURCH STREET (ASPHALT OVER CONCRETE) EXISTING



**NOTE:**  
WHEN WORKING ON THE INTERSECTIONS, FLAGGERS ARE REQUIRED TO CONTROL ALL VEHICULAR AND PEDESTRIAN TRAFFIC. GOOD FLOW SHOULD BE MAINTAINED AT ALL TIMES.

THE PROPOSED DIRECTIONALLY DRILLED 8" DIWM DEPTH WILL BE FIELD DETERMINED, AFTER THE EXPLORATORY TRENCHES SURVEYS ON THE EXISTING UTILITIES, SEWER AND WATER SERVICES. APPROXIMATE COVER WILL BE 5.50 FT. ~ 7.0 FT. (MCDANIEL AVENUE TO FOWLER AVENUE)

- NOTES:**
1. ALL MATERIALS SHOULD 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 1.5" DIAMETER FOR EXISTING WATER SERVICES EQUAL OR LESS THAN 1.5" DIAMETER AND REQUIRED TO BE AUGERED.
  5. A WATER TIGHT 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 MWD GENERAL NOTES #16 FOR PLUGGING (INCIDENTAL TO VARIOUS PAY ITEMS).
  7. TEMPORARY FLUSHING FIRE HYDRANT WILL BE SUPPLIED BY THE CITY, AND INSTALLED BY THE CONTRACTOR UTILIZING MEGA LUG COMPONENTS. PRIOR TO FINAL CONNECTIONS, CONTRACTOR SHALL REMOVE THE TEMPORARY HYDRANT AND NOTIFY THE CITY FOR PICK UP. (INCIDENTAL TO WATER MAIN WORK ITEMS, NO SEPARATE PAYMENT).
  8. ALL NON-PRESSURE CONNECTIONS TO EXISTING WATER MAIN WILL NOT BE PAID FOR SEPARATELY BUT CONSIDERED INCIDENTAL TO WATER MAIN WORK ITEMS.
  9. VITON GASKETS (FKM GASKETS) WILL ONLY BE USED WHEN CONTAMINATED SOILS ARE ENCOUNTERED.
  10. EXPLORATORY TRENCH WILL BE FIELD DETERMINED AND APPROVED ONLY BY THE RESIDENT ENGINEER.
  11. ALL SEWER PIPE CONNECTIONS MUST HAVE LESS THAN 24 INCHES OF VERTICAL SEPARATION TO EXISTING MANHOLE INVERTS.

**NOTE (UNLESS SPECIFIED IN THE PLAN)**

**MAXIMUM TRENCH PAY WIDTHS:**  
WATER MAIN=4.0 FT. (5.0 FT. FOR TRENCH DEPTHS > 8')  
SEWER MAIN=4.0 FT. (5.0 FT. FOR TRENCH DEPTHS > 8')

**MAXIMUM PAYMENT REMOVAL AND REPLACEMENT PAY WIDTHS:**  
WATER MAIN=6.0 FT. (7.0 FT. FOR TRENCH DEPTHS > 8')  
SEWER MAIN=6.0 FT. (7.0 FT. FOR TRENCH DEPTHS > 8')  
WATER OR SEWER STRUCTURES=8.0 FT X 8.0 FT.  
WATER OR SEWER STRUCTURES REMOVAL=6.0 FT X 6.0 FT.  
VALVE BOX REMOVAL=2.0 FT X 2.0 FT.

FOR WIDTHS IN EXCESS OF THE ABOVE, WILL NOT BE PAID SEPARATELY BUT CONSIDERED INCIDENTAL TO VARIOUS PAY ITEMS.

MATCHLINE STA. 5+50  
SEE SHEET 5 OF 26

MATCHLINE STA. 5+50  
SEE SHEET 5 OF 26

## 2026 CHURCH STREET (MCDANIEL-FLORENCE) WATER MAIN IMPROVEMENTS PROJECT UTILITY PLAN

SCALE	1" = 20' H 1" = 2' V
PROJECT NUMBER:	PW-WM-2501
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DATE:	12/08/2025
DESIGNED BY:	AA
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# CHURCH STREET (ASPHALT OVER CONCRETE)

## EXISTING

## PROPOSED

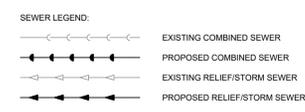
MATCHLINE STA. 5+50  
SEE SHEET 4 OF 26

MATCHLINE STA. 11+00  
SEE SHEET 6 OF 26

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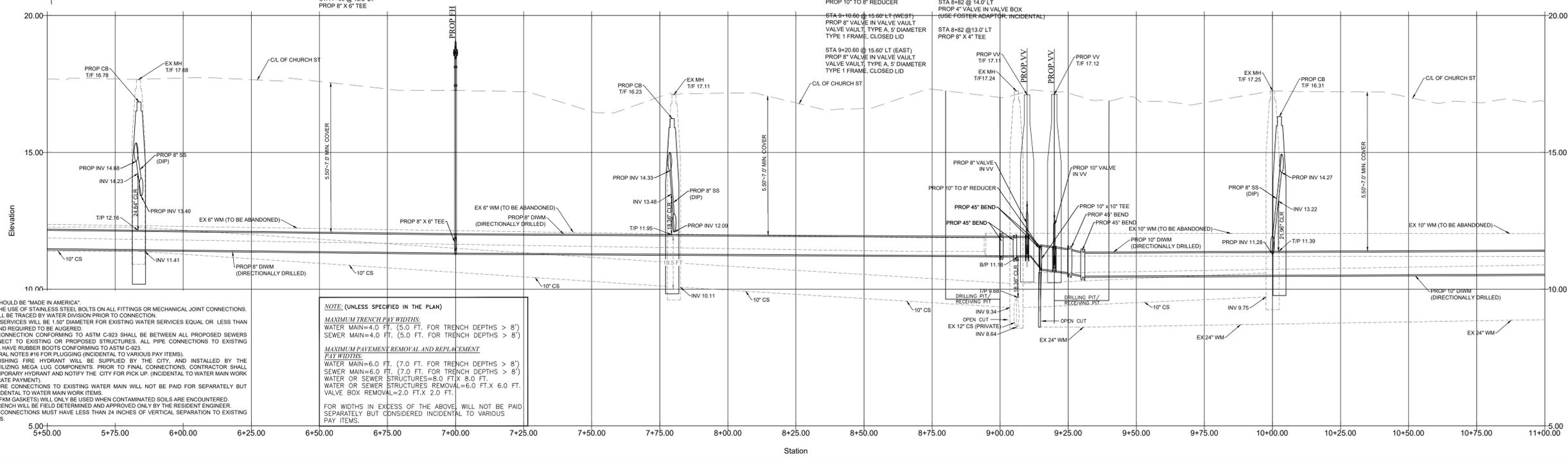
MATCHLINE STA. 11+00  
SEE SHEET 6 OF 26

**NOTE:**  
WHEN WORKING ON THE INTERSECTIONS, FLAGGERS ARE REQUIRED TO CONTROL ALL VEHICULAR AND PEDESTRIAN TRAFFIC. GOOD FLOW SHOULD BE MAINTAINED AT ALL TIMES.



THE PROPOSED DIRECTIONALLY DRILLED 10" DIWM DEPTH WILL BE FIELD DETERMINED, AFTER THE EXPLORATORY TRENCH SURVEYS ON THE EXISTING UTILITIES, SEWER AND WATER SERVICES. APPROXIMATE COVER WILL BE 5.50 FT. - 7.0 FT. (FOWLER AVENUE TO PITNER AVENUE)

THE PROPOSED DIRECTIONALLY DRILLED 8" DIWM DEPTH WILL BE FIELD DETERMINED, AFTER THE EXPLORATORY TRENCH SURVEYS ON THE EXISTING UTILITIES, SEWER AND WATER SERVICES. APPROXIMATE COVER WILL BE 5.50 FT. - 7.0 FT. (FOWLER AVENUE TO PITNER AVENUE)



- NOTES:**
- ALL MATERIALS SHOULD BE "MADE IN AMERICA"
  - CITY REQUIRES THE USE OF STAINLESS STEEL BOLTS ON ALL FITTINGS OR MECHANICAL JOINT CONNECTIONS.
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  - A WATERTIGHT CONNECTION CONFORMING TO ASTM C-923 SHALL BE BETWEEN ALL PROPOSED SENIERS THAT WILL CONNECT TO EXISTING OR PROPOSED STRUCTURES. ALL PIPE CONNECTIONS TO EXISTING MANHOLES SHALL HAVE RUBBER BOOTS CONFORMING TO ASTM C-923.
  - SEE MWD GENERAL NOTES #16 FOR PLUGGING (INCIDENTAL TO VARIOUS PAY ITEMS).
  - TEMPORARY FLUSHING FIRE HYDRANT WILL BE SUPPLIED BY THE CITY, AND INSTALLED BY THE CONTRACTOR UTILIZING MEGA LUG COMPONENTS. PRIOR TO FINAL CONNECTIONS, CONTRACTOR SHALL REMOVE THE TEMPORARY HYDRANT AND NOTIFY THE CITY FOR PICK UP. (INCIDENTAL TO WATER MAIN WORK ITEMS, NO SEPARATE PAYMENT).
  - ALL NON-PRESSURE CONNECTIONS TO EXISTING WATER MAIN WILL NOT BE PAID FOR SEPARATELY BUT CONSIDERED INCIDENTAL TO WATER MAIN WORK ITEMS.
  - VITON GASKETS (FRM GASKETS) WILL ONLY BE USED WHEN CONTAMINATED SOLIDS ARE ENCOUNTERED.
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**NOTE: (UNLESS SPECIFIED IN THE PLAN)**

**MAXIMUM TRENCH PAY WIDTHS:**  
WATER MAIN=4.0 FT. (5.0 FT. FOR TRENCH DEPTHS > 8')  
SEWER MAIN=4.0 FT. (5.0 FT. FOR TRENCH DEPTHS > 8')

**MAXIMUM PAVEMENT REMOVAL AND REPLACEMENT TYPICAL WIDTHS:**  
WATER MAIN=6.0 FT. (7.0 FT. FOR TRENCH DEPTHS > 8')  
SEWER MAIN=6.0 FT. (7.0 FT. FOR TRENCH DEPTHS > 8')  
WATER OR SEWER STRUCTURES=8.0 FT.X 8.0 FT.  
WATER OR SEWER STRUCTURES REMOVAL=6.0 FT.X 6.0 FT.  
VALVE BOX REMOVAL=2.0 FT.X 2.0 FT.

FOR WIDTHS IN EXCESS OF THE ABOVE, WILL NOT BE PAID SEPARATELY BUT CONSIDERED INCIDENTAL TO VARIOUS PAY ITEMS.

# 2026 CHURCH STREET (McDANIEL-FLORENCE) WATER MAIN IMPROVEMENTS PROJECT UTILITY PLAN

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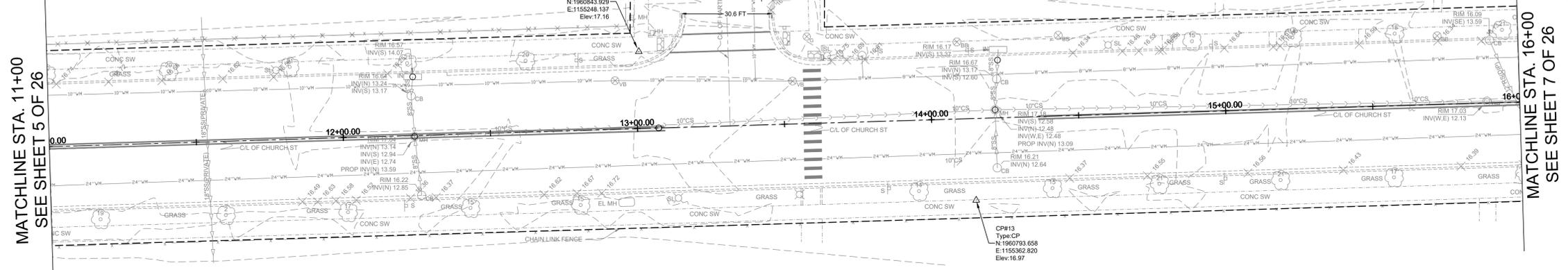
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**2026 CHURCH STREET (McDANIEL-FLORENCE)  
WATER MAIN IMPROVEMENTS PROJECT  
UTILITY PLAN**

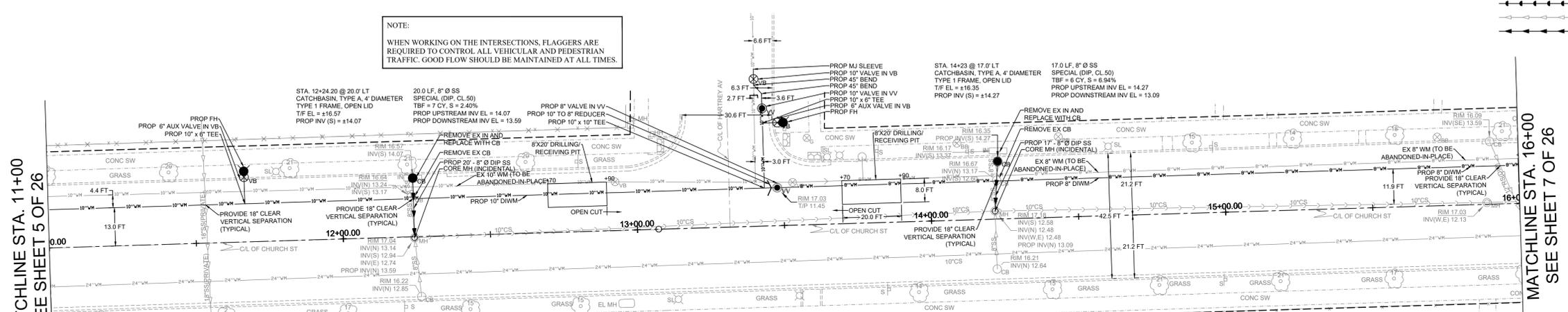
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**CHURCH STREET  
(ASPHALT OVER CONCRETE)**

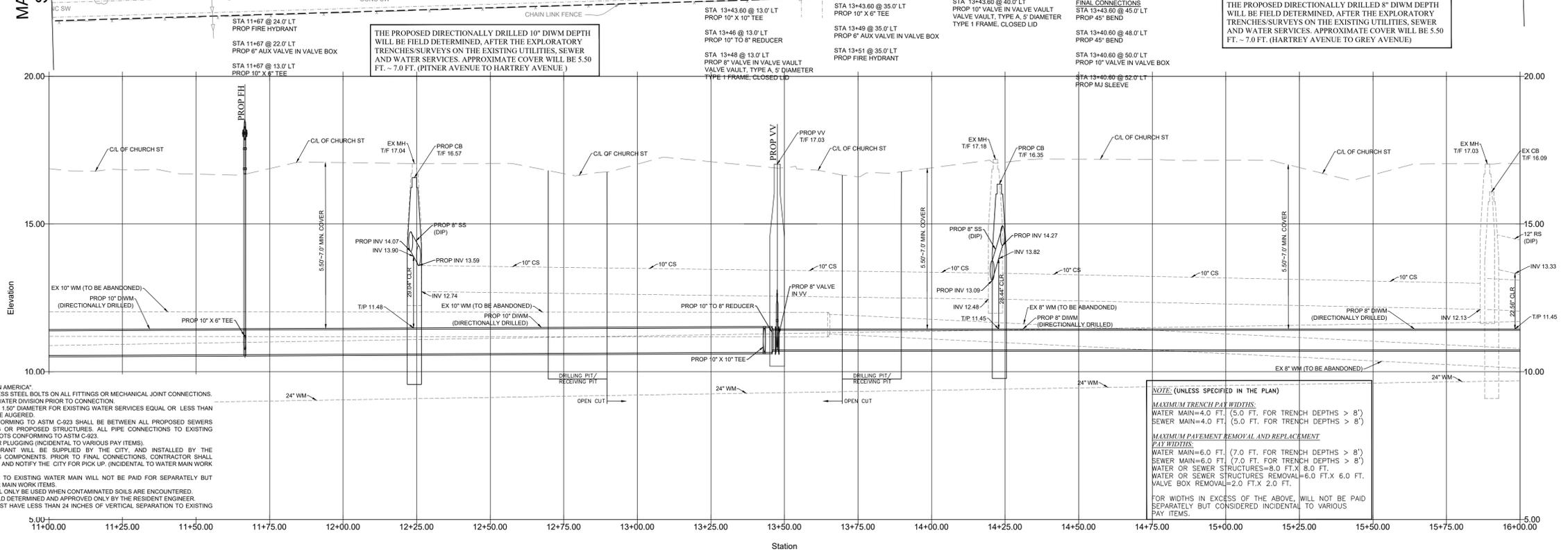
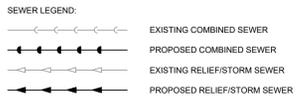
**EXISTING**



**PROPOSED**



**NOTE:**  
WHEN WORKING ON THE INTERSECTIONS, FLAGGERS ARE REQUIRED TO CONTROL ALL VEHICULAR AND PEDESTRIAN TRAFFIC. GOOD FLOW SHOULD BE MAINTAINED AT ALL TIMES.



**NOTE: (UNLESS SPECIFIED IN THE PLAN)**  
**MAXIMUM TRENCH PAY WIDTHS:**  
WATER MAIN=4.0 FT. (5.0 FT. FOR TRENCH DEPTHS > 8')  
SEWER MAIN=4.0 FT. (5.0 FT. FOR TRENCH DEPTHS > 8')  
**MAXIMUM PAVEMENT REMOVAL AND REPLACEMENT PAY WIDTHS:**  
WATER MAIN=6.0 FT. (7.0 FT. FOR TRENCH DEPTHS > 8')  
SEWER MAIN=6.0 FT. (7.0 FT. FOR TRENCH DEPTHS > 8')  
WATER OR SEWER STRUCTURES=8.0 FT. X 8.0 FT.  
WATER OR SEWER STRUCTURES REMOVAL=6.0 FT. X 6.0 FT.  
VALVE BOX REMOVAL=2.0 FT. X 2.0 FT.  
FOR WIDTHS IN EXCESS OF THE ABOVE, WILL NOT BE PAID SEPARATELY BUT CONSIDERED INCIDENTAL TO VARIOUS PAY ITEMS.

- NOTES:**
- ALL MATERIALS SHOULD BE "MADE IN AMERICA".
  - CITY REQUIRES THE USE OF STAINLESS STEEL BOLTS ON ALL FITTINGS OR MECHANICAL JOINT CONNECTIONS.
  - ALL SERVICES WILL BE TRACED BY WATER DIVISION PRIOR TO CONNECTION.
  - ALL NEW WATER SERVICES WILL BE 1.5" DIAMETER FOR EXISTING WATER SERVICES EQUAL OR LESS THAN 1.5" DIAMETER AND REQUIRED TO BE AUGERED.
  - 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.
  - SEE MWRD GENERAL NOTES #16 FOR PLUGGING (INCIDENTAL TO VARIOUS PAY ITEMS).
  - TEMPORARY FLUSHING FIRE HYDRANT WILL BE SUPPLIED BY THE CITY, AND INSTALLED BY THE CONTRACTOR UTILIZING MEGA LUG COMPONENTS. PRIOR TO FINAL CONNECTIONS, CONTRACTOR SHALL REMOVE THE TEMPORARY HYDRANT AND NOTIFY THE CITY FOR PICK UP. (INCIDENTAL TO WATER MAIN WORK ITEMS, NO SEPARATE PAYMENT).
  - ALL NON-PRESSURE CONNECTIONS TO EXISTING WATER MAIN WILL NOT BE PAID FOR SEPARATELY BUT CONSIDERED INCIDENTAL TO WATER MAIN WORK ITEMS.
  - VITON GASKETS (PKM GASKETS) WILL ONLY BE USED WHEN CONTAMINATED SOILS ARE ENCOUNTERED.
  - EXPLORATORY TRENCH WILL BE FIELD DETERMINED AND APPROVED ONLY BY THE RESIDENT ENGINEER.
  - ALL SEWER PIPE CONNECTIONS MUST HAVE LESS THAN 24 INCHES OF VERTICAL SEPARATION TO EXISTING MANHOLE INVERTS.

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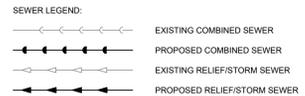
# CHURCH STREET (ASPHALT OVER CONCRETE) EXISTING

MATCHLINE STA. 16+00  
SEE SHEET 6 OF 26

MATCHLINE STA. 21+50  
SEE SHEET 8 OF 26

# PROPOSED

NOTE:  
WHEN WORKING ON THE INTERSECTIONS, FLAGGERS ARE REQUIRED TO CONTROL ALL VEHICULAR AND PEDESTRIAN TRAFFIC. GOOD FLOW SHOULD BE MAINTAINED AT ALL TIMES.

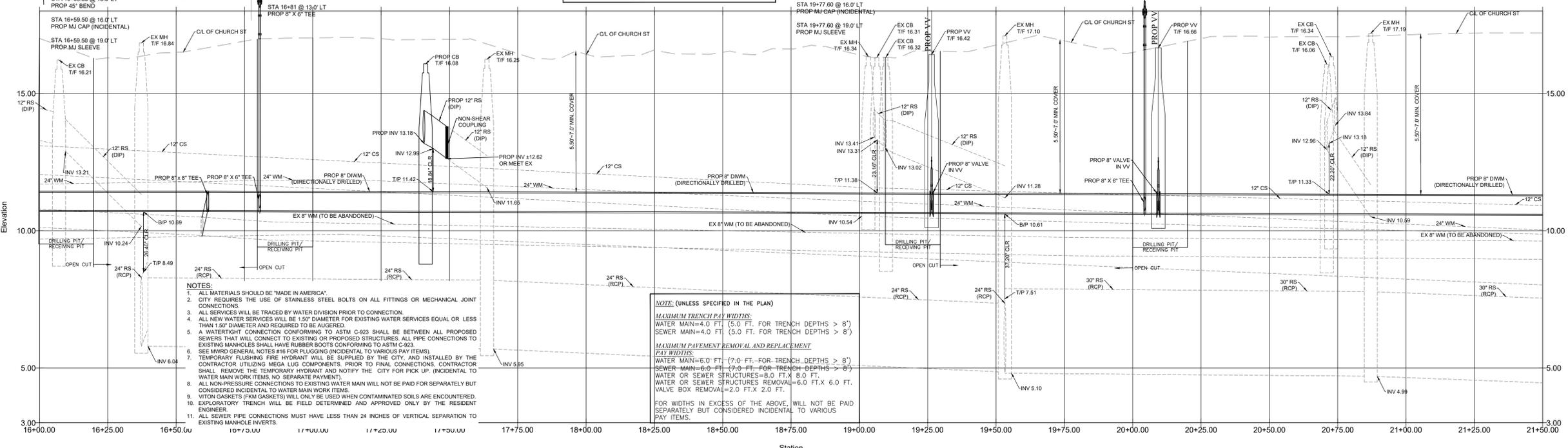


MATCHLINE STA. 16+00  
SEE SHEET 6 OF 26

MATCHLINE STA. 21+50  
SEE SHEET 8 OF 26

THE PROPOSED DIRECTIONALLY DRILLED 8" DIWM DEPTH WILL BE FIELD DETERMINED, AFTER THE EXPLORATORY TRENCHES SURVEYS ON THE EXISTING UTILITIES, SEWER AND WATER SERVICES. APPROXIMATE COVER WILL BE 5.50 FT. - 7.0 FT. (GREY AVENUE TO HOVLAND AVENUE)

THE PROPOSED DIRECTIONALLY DRILLED 8" DIWM DEPTH WILL BE FIELD DETERMINED, AFTER THE EXPLORATORY TRENCHES SURVEYS ON THE EXISTING UTILITIES, SEWER AND WATER SERVICES. APPROXIMATE COVER WILL BE 5.50 FT. - 7.0 FT. (HOVLAND AVENUE TO BROWN AVENUE)



- NOTES:
1. ALL MATERIALS SHOULD 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 1.5" DIAMETER FOR EXISTING WATER SERVICES EQUAL OR LESS THAN 1.5" DIAMETER AND REQUIRED TO BE AUGERED.
  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. TEMPORARY FLUSHING FIRE HYDRANT WILL BE SUPPLIED BY THE CITY, AND INSTALLED BY THE CONTRACTOR UTILIZING MEGA LUG COMPONENTS. PRIOR TO FINAL CONNECTIONS, CONTRACTOR SHALL REMOVE THE TEMPORARY HYDRANT AND NOTIFY THE CITY FOR PICK UP. (INCIDENTAL TO WATER MAIN WORK ITEMS, NO SEPARATE PAYMENT).
  8. ALL NON-PRESSURE CONNECTIONS TO EXISTING WATER MAIN WILL NOT BE PAID FOR SEPARATELY BUT CONSIDERED INCIDENTAL TO WATER MAIN WORK ITEMS.
  9. WITON GASKETS (FRM GASKETS) WILL ONLY BE USED WHEN CONTAMINATED SOILS ARE ENCOUNTERED.
  10. EXPLORATORY TRENCH WILL BE FIELD DETERMINED AND APPROVED ONLY BY THE RESIDENT ENGINEER.
  11. ALL SEWER PIPE CONNECTIONS MUST HAVE LESS THAN 24 INCHES OF VERTICAL SEPARATION TO EXISTING MANHOLE INVERTS.

NOTE: (UNLESS SPECIFIED IN THE PLAN)

MAXIMUM TRENCH PAY WIDTHS:  
WATER MAIN=4.0 FT. (5.0 FT. FOR TRENCH DEPTHS > 8')  
SEWER MAIN=4.0 FT. (5.0 FT. FOR TRENCH DEPTHS > 8')

MAXIMUM PAVEMENT REMOVAL AND REPLACEMENT PAY WIDTHS:  
WATER MAIN=6.0 FT. (7.0 FT. FOR TRENCH DEPTHS > 8')  
SEWER MAIN=6.0 FT. (7.0 FT. FOR TRENCH DEPTHS > 8')  
WATER OR SEWER STRUCTURES REMOVAL=9.0 FT.X 8.0 FT.  
WATER OR SEWER STRUCTURES REMOVAL=6.0 FT.X 6.0 FT.  
VALVE BOX REMOVAL=2.0 FT.X 2.0 FT.

FOR WIDTHS IN EXCESS OF THE ABOVE, WILL NOT BE PAID SEPARATELY BUT CONSIDERED INCIDENTAL TO VARIOUS PAY ITEMS.

# 2026 CHURCH STREET (McDANIEL-FLORENCE) WATER MAIN IMPROVEMENTS PROJECT UTILITY PLAN

SCALE	1" = 20' H 1" = 2' V
PROJECT NUMBER:	PW-WM-2501
BID NUMBER:	26-04
ISSUED FOR:	BID
DATE:	12/08/2025
DESIGNED BY:	AA
DRAWN BY:	AA
CHECKED BY:	BN
SHEET	7 OF 26

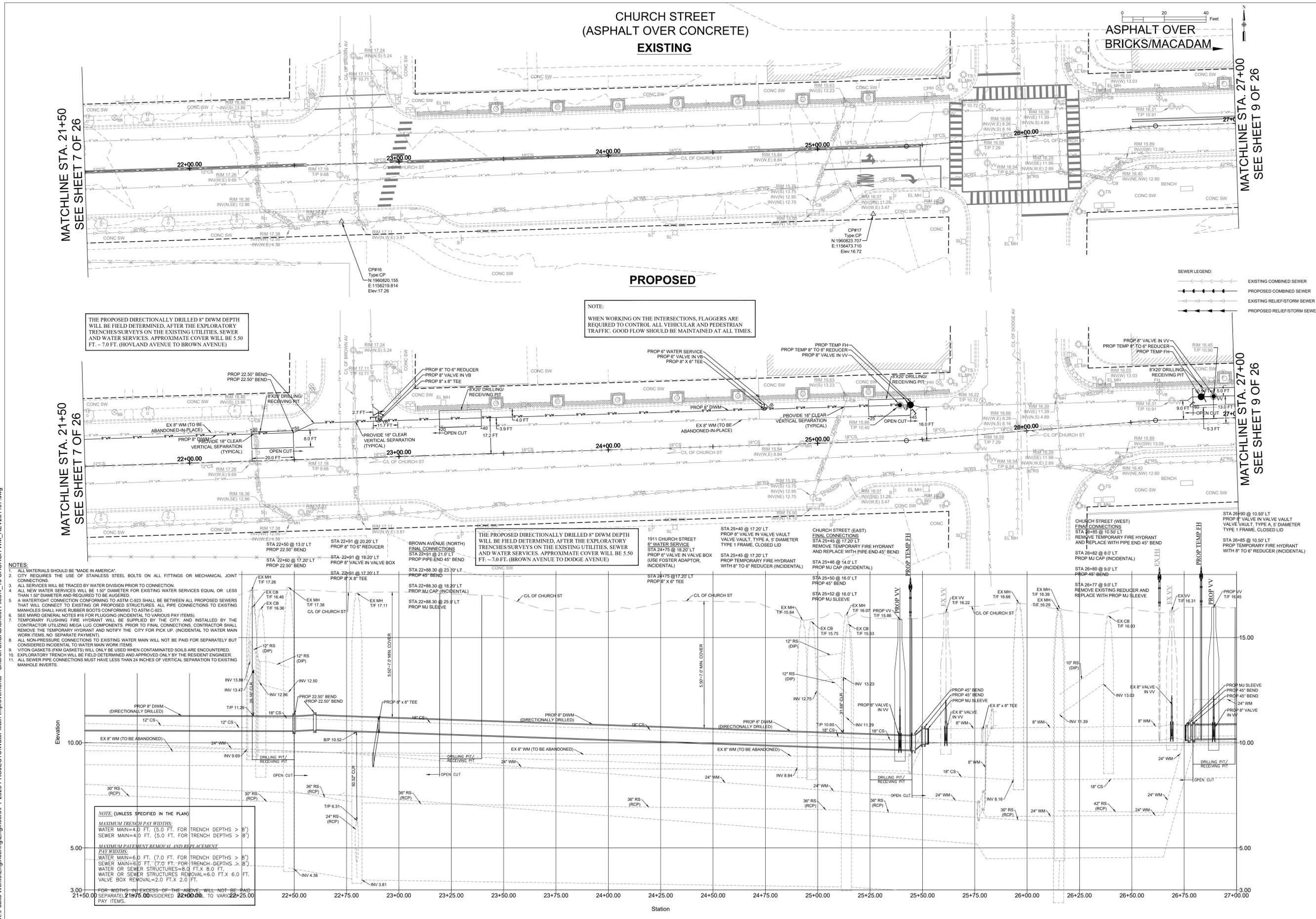
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NO.	DATE	REVISION
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# 2026 CHURCH STREET (McDANIEL-FLORENCE) WATER MAIN IMPROVEMENTS PROJECT UTILITY PLAN

<b>SCALE</b> 1" = 20' H 1" = 2' V
<b>PROJECT NUMBER:</b> PW-WM-2501
<b>BID NUMBER:</b> 26-04
<b>ISSUED FOR:</b> BID
<b>DATE:</b> 12/08/2025
<b>DESIGNED BY:</b> AA
<b>DRAWN BY:</b> AA
<b>CHECKED BY:</b> BN
<b>SHEET</b> 8 OF 26



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# CHURCH STREET (ASPHALT OVER BRICKS/MACADAM)

EXISTING

PROPOSED



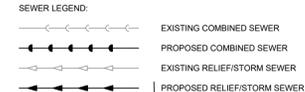
MATCHLINE STA. 27+00  
SEE SHEET 8 OF 26

MATCHLINE STA. 32+50  
SEE SHEET 10 OF 26

MATCHLINE STA. 27+00  
SEE SHEET 8 OF 26

MATCHLINE STA. 32+50  
SEE SHEET 10 OF 26

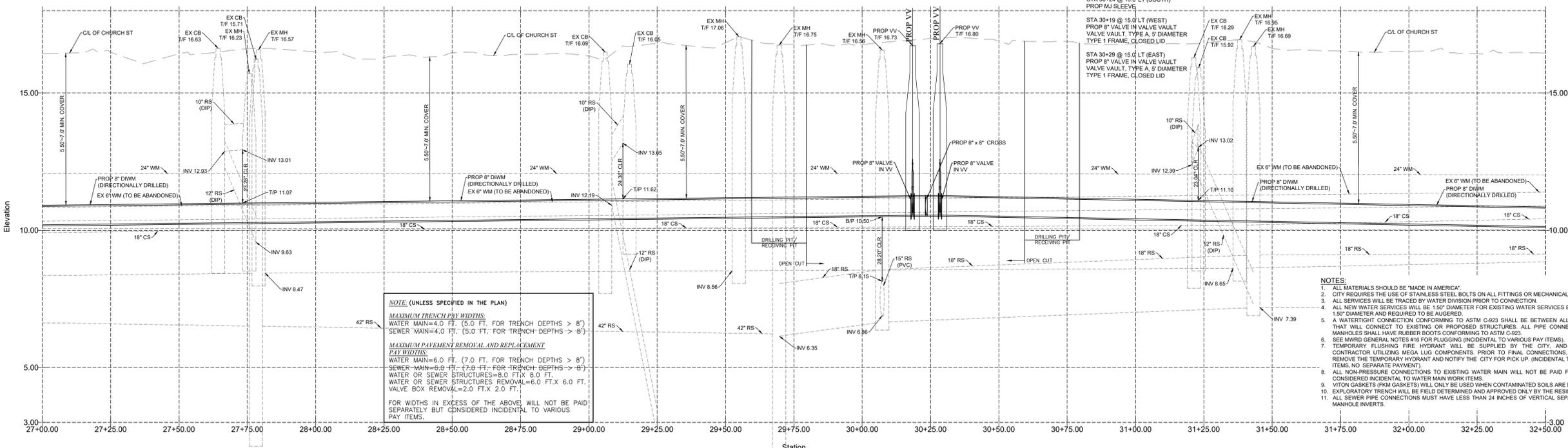
NOTE:  
WHEN WORKING ON THE INTERSECTIONS, FLAGGERS ARE  
REQUIRED TO CONTROL ALL VEHICULAR AND PEDESTRIAN  
TRAFFIC. GOOD FLOW SHOULD BE MAINTAINED AT ALL TIMES.



THE PROPOSED DIRECTIONALLY DRILLED 8" DIWM DEPTH  
WILL BE FIELD DETERMINED, AFTER THE EXPLORATORY  
TRENCHES/SURVEYS ON THE EXISTING UTILITIES, SEWER  
AND WATER SERVICES. APPROXIMATE COVER WILL BE 5.50  
FT. - 7.0 FT. (DODGE AVENUE TO DARROW AVENUE)

THE PROPOSED DIRECTIONALLY DRILLED 8" DIWM DEPTH  
WILL BE FIELD DETERMINED, AFTER THE EXPLORATORY  
TRENCHES/SURVEYS ON THE EXISTING UTILITIES, SEWER  
AND WATER SERVICES. APPROXIMATE COVER WILL BE 5.50  
FT. - 7.0 FT. (DARROW AVENUE TO DEWEY AVENUE  
EXTENSION, MASON PARK)

CHURCH STREET (WEST AND EAST)  
INITIAL CONNECTIONS  
STA 30+24 @ 18' 0" LT (NORTH)  
PROP MJ SLEEVE  
STA 30+24 @ 16' 0" LT (NORTH)  
PROP 8" VALVE IN VALVE BOX  
(USE FOSTER ADAPTOR, INCIDENTAL)  
STA 30+24 @ 15' 0" LT  
PROP 8" X 8" CROSS  
STA 30+24 @ 13' 0" LT (SOUTH)  
PROP MJ SLEEVE  
STA 30+19 @ 15' 0" LT (WEST)  
PROP 8" VALVE IN VALVE VAULT  
VALVE VAULT, TYPE A, 5' DIAMETER  
TYPE 1 FRAME, CLOSED LID  
STA 30+29 @ 15' 0" LT (EAST)  
PROP 8" VALVE IN VALVE VAULT  
VALVE VAULT, TYPE A, 5' DIAMETER  
TYPE 1 FRAME, CLOSED LID



NOTE: (UNLESS SPECIFIED IN THE PLAN)  
**MAXIMUM TRENCH PAY WIDTHS**  
WATER MAIN=4.0 FT. (5.0 FT. FOR TRENCH DEPTHS > 8')  
SEWER MAIN=4.0 FT. (5.0 FT. FOR TRENCH DEPTHS > 8')  
**MAXIMUM PAVEMENT REMOVAL AND REPLACEMENT  
PAY WIDTHS**  
WATER MAIN=6.0 FT. (7.0 FT. FOR TRENCH DEPTHS > 8')  
SEWER MAIN=6.0 FT. (7.0 FT. FOR TRENCH DEPTHS > 8')  
WATER OR SEWER STRUCTURES REMOVAL=6.0 FT X 6.0 FT.  
VALVE BOX REMOVAL=2.0 FT X 2.0 FT.  
FOR WIDTHS IN EXCESS OF THE ABOVE, WILL NOT BE PAID  
SEPARATELY BUT CONSIDERED INCIDENTAL TO VARIOUS  
PAY ITEMS.

- NOTES:
1. ALL MATERIALS SHOULD 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 1.5" DIAMETER FOR EXISTING WATER SERVICES EQUAL OR LESS THAN 1.5" DIAMETER AND REQUIRED TO BE ALIGNED.
  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 MWD GENERAL NOTES #16 FOR PLUGGING (INCIDENTAL TO VARIOUS PAY ITEMS).
  7. TEMPORARY FLOODING FIRE HYDRANT WILL BE SUPPLIED BY THE CITY AND INSTALLED BY THE CONTRACTOR UTILIZING MEGA LUG COMPONENTS PRIOR TO FINAL CONNECTIONS. CONTRACTOR SHALL REMOVE THE TEMPORARY HYDRANT AND NOTIFY THE CITY FOR PICK UP. (INCIDENTAL TO WATER MAIN WORK ITEMS, NO SEPARATE PAYMENT).
  8. ALL NON-PRESSURE CONNECTIONS TO EXISTING WATER MAIN WILL NOT BE PAID FOR SEPARATELY BUT CONSIDERED INCIDENTAL TO WATER MAIN WORK ITEMS.
  9. VITON GASKETS (FROM GASKETS) WILL ONLY BE USED WHEN CONTAMINATED SOILS ARE ENCOUNTERED.
  10. EXPLORATORY TRENCH WILL BE FIELD DETERMINED AND APPROVED ONLY BY THE RESIDENT ENGINEER.
  11. ALL SEWER PIPE CONNECTIONS MUST HAVE LESS THAN 24 INCHES OF VERTICAL SEPARATION TO EXISTING MANHOLE INVERTS.

## 2026 CHURCH STREET (McDANIEL-FLORENCE) WATER MAIN IMPROVEMENTS PROJECT UTILITY PLAN

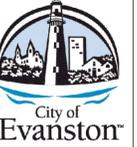
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PROJECT NUMBER:	PW-WM-2501
BID NUMBER:	26-04
ISSUED FOR:	BID
DATE:	12/08/2025
DESIGNED BY:	AA
DRAWN BY:	AA
CHECKED BY:	BN

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CHURCH STREET  
(ASPHALT OVER CONCRETE)

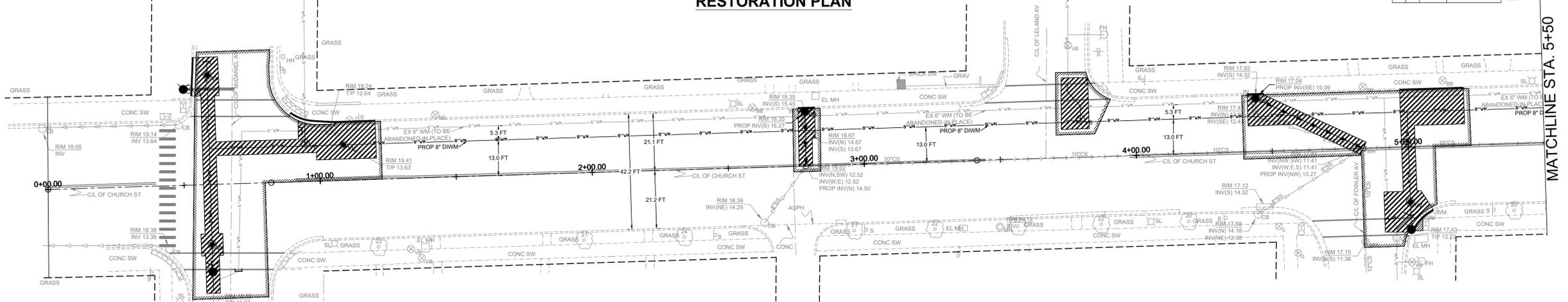
RESTORATION PLAN



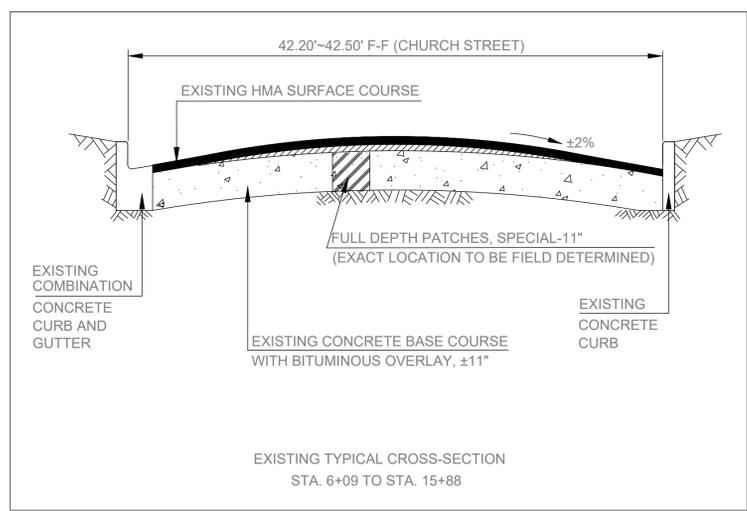
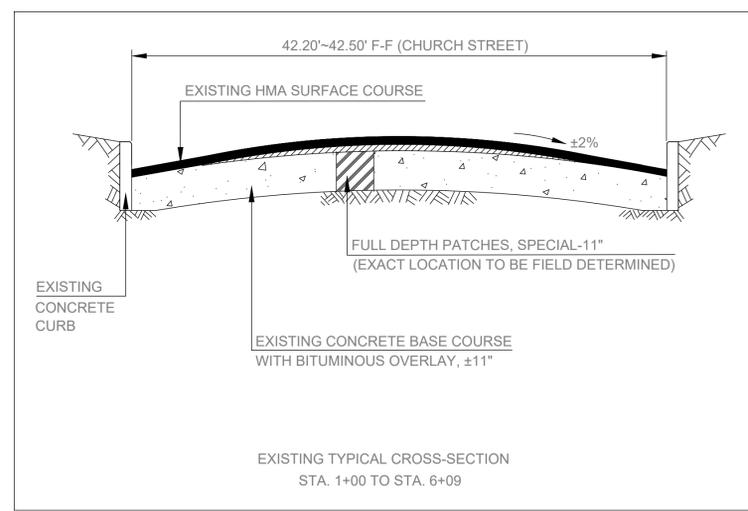
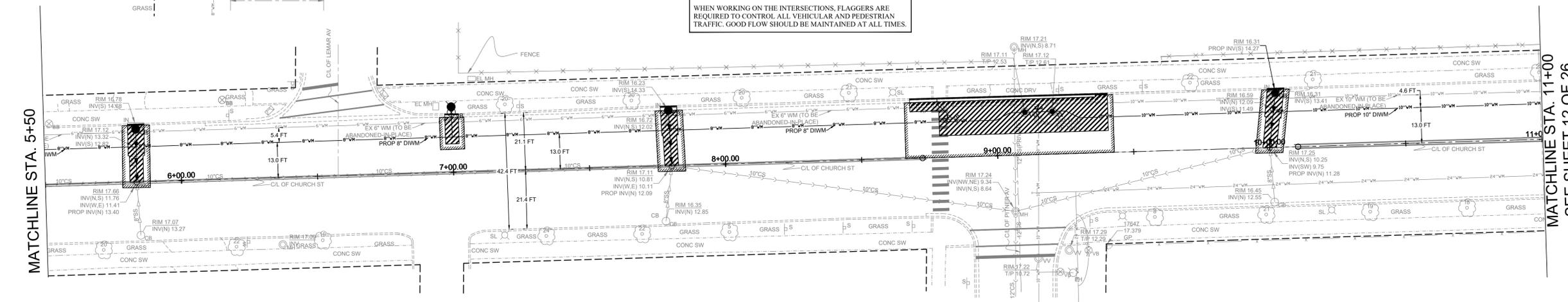
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2026 CHURCH STREET (McDANIEL-FLORENCE)  
WATER MAIN IMPROVEMENTS PROJECT  
RESTORATION PLAN

SCALE 1" = 20' H 1" = 2' V
PROJECT NUMBER: PW-WM-2501
BID NUMBER: 26-04
ISSUED FOR: BID
DATE: 12/08/2025
DESIGNED BY: AA
DRAWN BY: AA
CHECKED BY: BN
SHEET 11 OF 26



NOTE:  
WHEN WORKING ON THE INTERSECTIONS, FLAGGERS ARE REQUIRED TO CONTROL ALL VEHICULAR AND PEDESTRIAN TRAFFIC. GOOD FLOW SHOULD BE MAINTAINED AT ALL TIMES.



HATCH LEGEND:

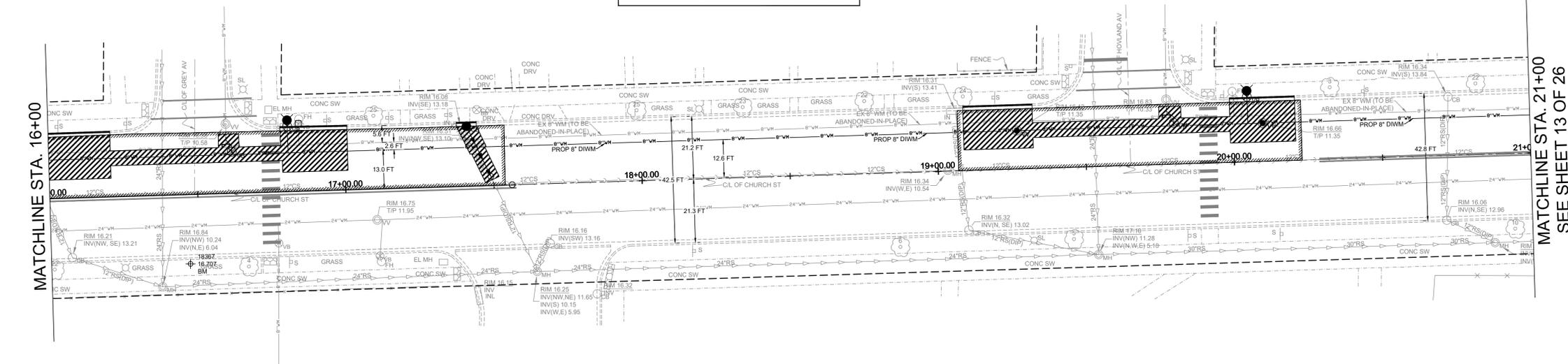
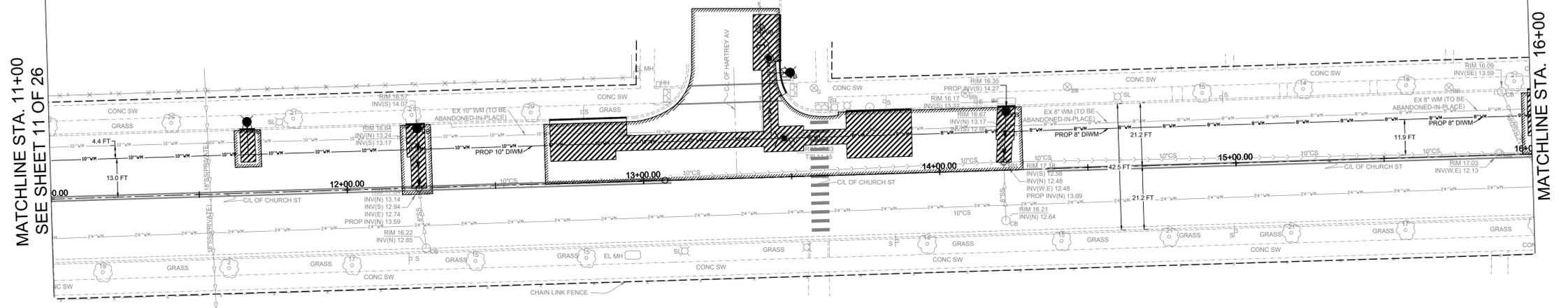
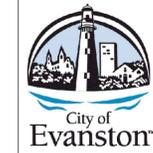
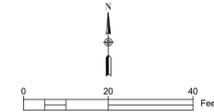
- FULL DEPTH PATCHES, SPECIAL ±11.0"
- REMOVAL AND REPLACEMENT OF ASPHALT SURFACES
- REMOVAL AND REPLACEMENT OF DRIVEWAYS
- REMOVAL AND REPLACEMENT OF SIDEWALKS
- PROPOSED DETECTABLE WARNINGS

REFRESH "OVERLAY" ALL DAMAGED EXISTING PAVEMENT MARKINGS AS DIRECTED BY ENGINEER

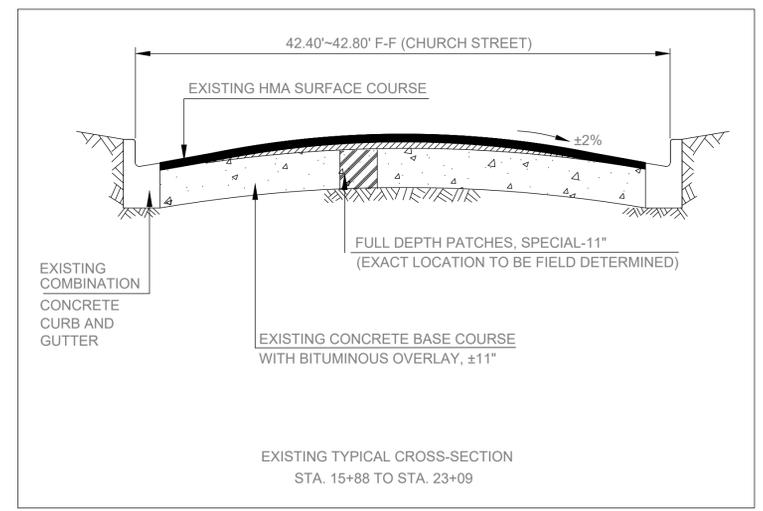
- (1.) TEMPORARY FENCE INSTALLATION AND EARTH SAWCUTS OF TREE ROOTS (ROOT PRUNING) WILL BE FIELD DETERMINED, PRIOR TO ANY REMOVAL OPERATIONS.
- (2.) CONTRACTOR WILL BE REQUIRED TO INSTALL SPEED HUMP SEPARATELY, AFTER SURFACE COURSE IS PLACED. SPEED HUMPS WILL BE PAID FOR AT THE CONTRACT UNIT PRICE PER SQUARE YARD FOR "SPEED HUMPS, COMPLETE". BUTT JOINTS FOR SPEED HUMPS WILL BE INCIDENTAL TO THE VARIOUS PAY ITEMS.
- (3.) EXACT LOCATIONS OF THE FULL DEPTH PATCHES (HES) AND/OR CLASS "D" PATCHES WILL BE FIELD DETERMINED, AFTER MILLING OF EXISTING ROADWAY SURFACE.
- (4.) EXISTING TYPE B CURB WILL BE REMOVED AND REPLACED WITH COMBINATION CONCRETE CURB AND GUTTER, TYPE B6.12, WILL BE FIELD DETERMINED.
- (5.) THE WORK IN NOTE 3 WILL BE PAID FOR AT THE CONTRACT UNIT PRICE BID FOR "PAVEMENT REMOVAL", "CURB REMOVAL", AND "COMBINATION CONCRETE CURB AND GUTTER TYPE B6.12".
- (6.) THE CONTRACTOR SHALL BE RESPONSIBLE TO VISUALLY FIELD VERIFY ALL STRUCTURES CALLING FOR RECONSTRUCTION OR REPLACEMENT IN ORDER TO DETERMINE THE EXTEND AND MAGNITUDE OF THE WORK REQUIRED. FULL DEPTH SAW CUTTING WILL BE REQUIRED FOR ALL UTILITY WORK.
- (7.) ADDITIONAL CONCRETE REMOVAL AND REPLACEMENT WORK WILL BE FIELD DETERMINED.

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CHURCH STREET  
(ASPHALT OVER CONCRETE)  
RESTORATION PLAN



NOTE:  
WHEN WORKING ON THE INTERSECTIONS, FLAGGERS ARE  
REQUIRED TO CONTROL ALL VEHICULAR AND PEDESTRIAN  
TRAFFIC. GOOD FLOW SHOULD BE MAINTAINED AT ALL TIMES.



REFRESH "OVERLAY" ALL  
DAMAGED EXISTING  
PAVEMENT MARKINGS AS  
DIRECTED BY ENGINEER

HATCH LEGEND:

[Hatched pattern]	FULL DEPTH PATCHES, SPECIAL ±11"
[Hatched pattern]	REMOVAL AND REPLACEMENT OF ASPHALT SURFACES
[Hatched pattern]	REMOVAL AND REPLACEMENT OF DRIVEWAYS
[Hatched pattern]	REMOVAL AND REPLACEMENT OF SIDEWALKS
[Hatched pattern]	PROPOSED DETECTABLE WARNINGS

- TEMPORARY FENCE INSTALLATION AND EARTH SAWCUTS OF TREE ROOTS (ROOT PRUNING) WILL BE FIELD DETERMINED, PRIOR TO ANY REMOVAL OPERATIONS.
- 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.
- EXACT LOCATIONS OF THE FULL DEPTH PATCHES (HES) AND/OR CLASS "D" PATCHES WILL BE FIELD DETERMINED, AFTER MILLING OF EXISTING ROADWAY SURFACE.
- EXISTING TYPE B CURB WILL BE REMOVED AND REPLACED WITH COMBINATION CONCRETE CURB AND GUTTER, TYPE B6.12, WILL BE FIELD DETERMINED.
- THE WORK IN NOTE 3 WILL BE PAID FOR AT THE CONTRACT UNIT PRICE BID FOR "PAVEMENT REMOVAL", "CURB REMOVAL", AND "COMBINATION CONCRETE CURB AND GUTTER TYPE B6.12".
- THE CONTRACTOR SHALL BE RESPONSIBLE TO VISUALLY FIELD VERIFY ALL STRUCTURES CALLING FOR RECONSTRUCTION OR REPLACEMENT IN ORDER TO DETERMINE THE EXTEND AND MAGNITUDE OF THE WORK REQUIRED. FULL DEPTH SAW CUTTING WILL BE REQUIRED FOR ALL UTILITY WORK.
- ADDITIONAL CONCRETE REMOVAL AND REPLACEMENT WORK WILL BE FIELD DETERMINED.

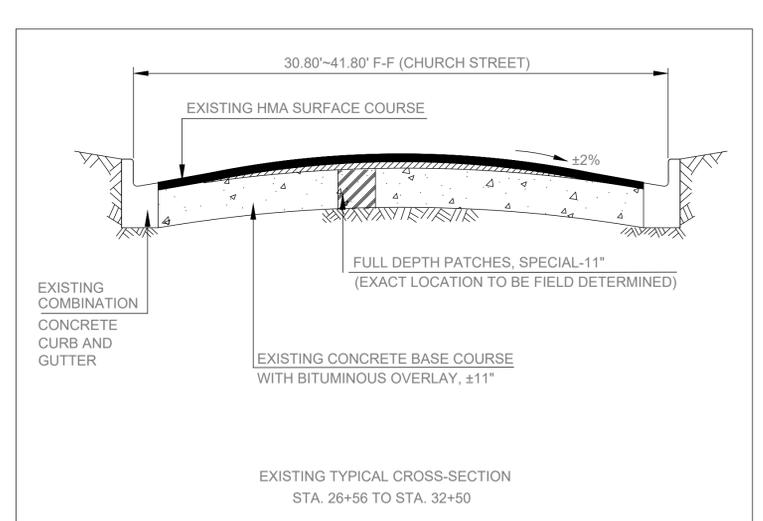
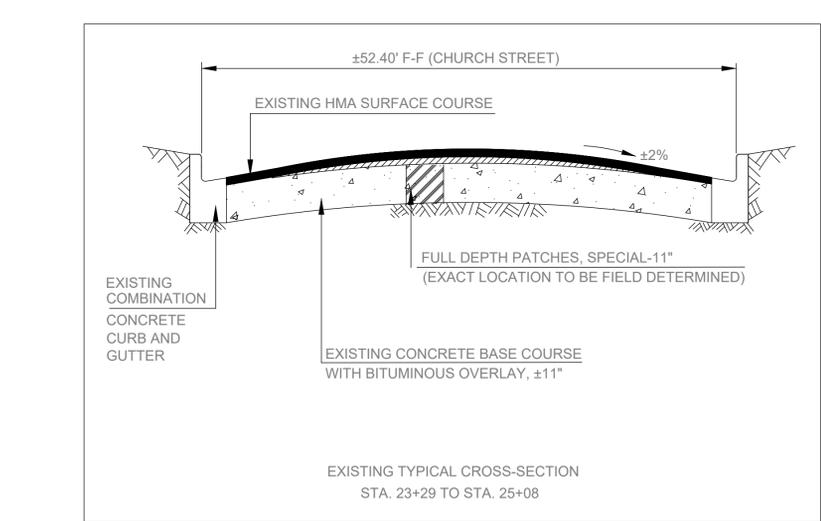
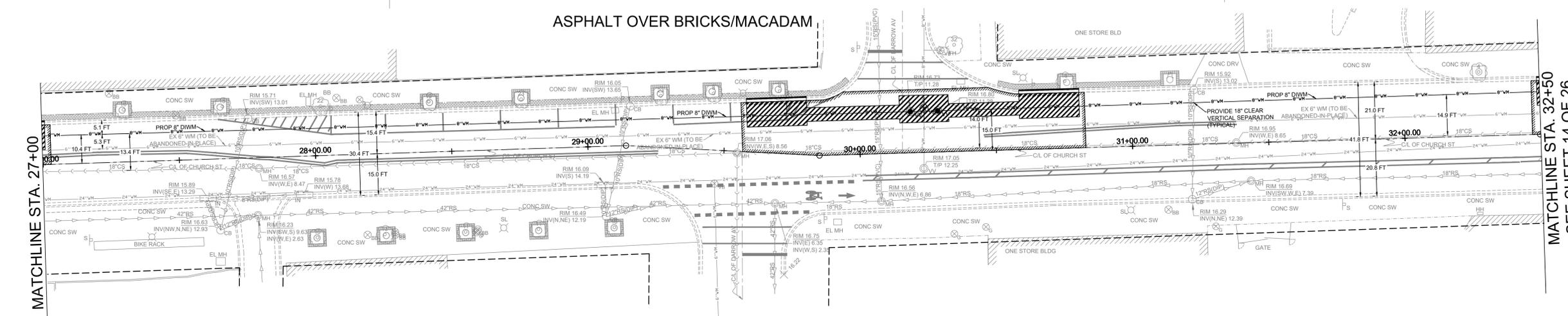
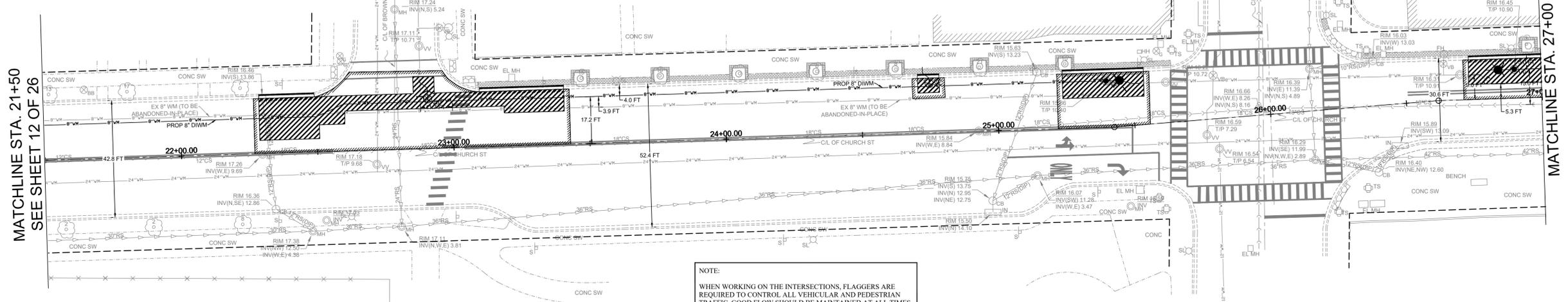
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2026 CHURCH STREET (McDANIEL-FLORENCE)  
WATER MAIN IMPROVEMENTS PROJECT  
RESTORATION PLAN

SCALE 1" = 20' H 1" = 2' V
PROJECT NUMBER: PW-WM-2501
BID NUMBER: 26-04
ISSUED FOR: BID
DATE: 12/08/2025
DESIGNED BY: AA
DRAWN BY: AA
CHECKED BY: BN

CHURCH STREET  
(ASPHALT OVER CONCRETE)  
RESTORATION PLAN

ASPHALT OVER  
BRICKS/MACADAM

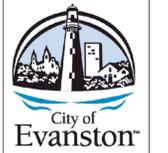


REFRESH "OVERLAY" ALL  
DAMAGED EXISTING  
PAVEMENT MARKINGS AS  
DIRECTED BY ENGINEER

**HATCH LEGEND:**

- FULL DEPTH PATCHES, SPECIAL ±11.0"
- REMOVAL AND REPLACEMENT OF ASPHALT SURFACES
- REMOVAL AND REPLACEMENT OF DRIVEWAYS
- REMOVAL AND REPLACEMENT OF SIDEWALKS
- PROPOSED DETECTABLE WARNINGS

- (1.) TEMPORARY FENCE INSTALLATION AND EARTH SAWCUTS OF TREE ROOTS (ROOT PRUNING) WILL BE FIELD DETERMINED, PRIOR TO ANY REMOVAL OPERATIONS.
- (2.) 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.
- (3.) EXACT LOCATIONS OF THE FULL DEPTH PATCHES (HES) AND/OR CLASS "D" PATCHES WILL BE FIELD DETERMINED, AFTER MILLING OF EXISTING ROADWAY SURFACE.
- (4.) EXISTING TYPE B CURB WILL BE REMOVED AND REPLACED WITH COMBINATION CONCRETE CURB AND GUTTER, TYPE B6.12, WILL BE FIELD DETERMINED.
- (5.) THE WORK IN NOTE 3 WILL BE PAID FOR AT THE CONTRACT UNIT PRICE BID FOR "PAVEMENT REMOVAL", "CURB REMOVAL", AND "COMBINATION CONCRETE CURB AND GUTTER TYPE B6.12".
- (6.) THE CONTRACTOR SHALL BE RESPONSIBLE TO VISUALLY FIELD VERIFY ALL STRUCTURES CALLING FOR RECONSTRUCTION OR REPLACEMENT IN ORDER TO DETERMINE THE EXTEND AND MAGNITUDE OF THE WORK REQUIRED. FULL DEPTH SAW CUTTING WILL BE REQUIRED FOR ALL UTILITY WORK.
- (7.) ADDITIONAL CONCRETE REMOVAL AND REPLACEMENT WORK WILL BE FIELD DETERMINED.



NO.	DATE	REVISION
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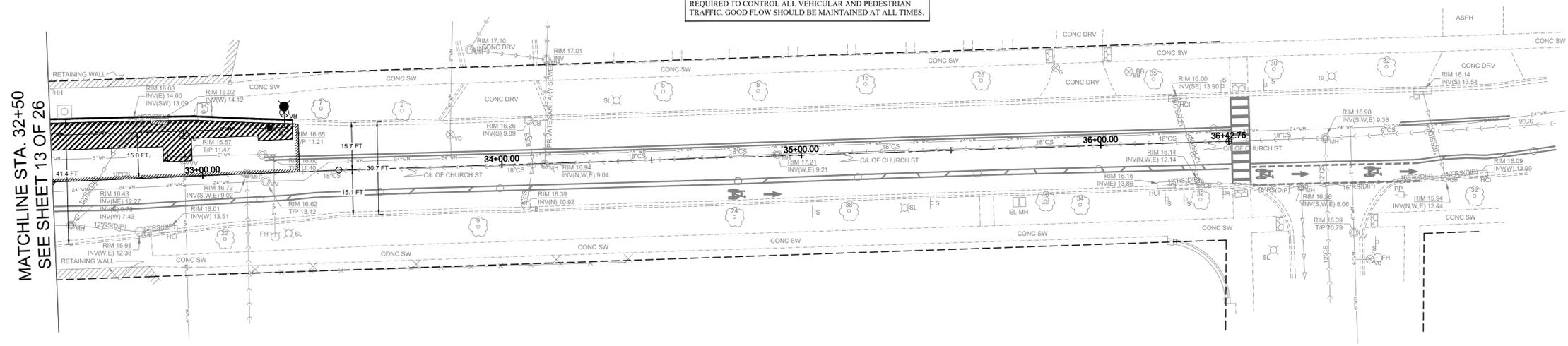
2026 CHURCH STREET (McDANIEL-FLORENCE)  
WATER MAIN IMPROVEMENTS PROJECT  
RESTORATION PLAN

SCALE 1" = 20' H 1" = 2' V
PROJECT NUMBER: PW-WM-2501
BID NUMBER: 26-04
ISSUED FOR: BID
DATE: 12/08/2025
DESIGNED BY: AA
DRAWN BY: AA
CHECKED BY: BN

**CHURCH STREET  
(ASPHALT OVER BRICKS/MACADAM)  
RESTORATION PLAN**

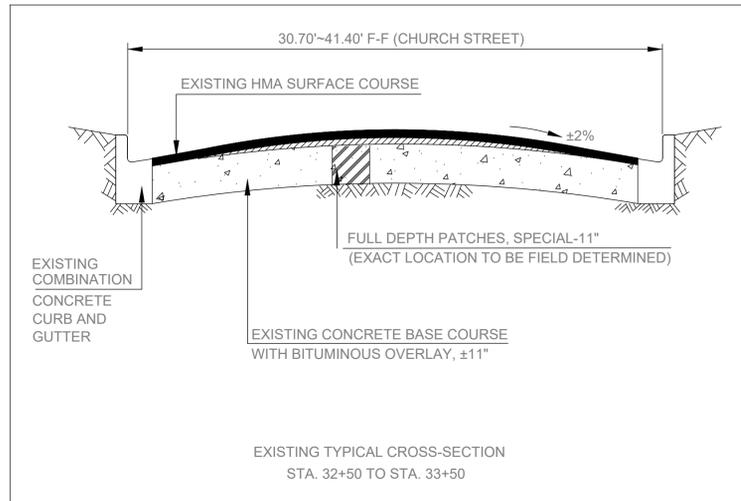


**NOTE:**  
WHEN WORKING ON THE INTERSECTIONS, FLAGGERS ARE REQUIRED TO CONTROL ALL VEHICULAR AND PEDESTRIAN TRAFFIC. GOOD FLOW SHOULD BE MAINTAINED AT ALL TIMES.



MATCHLINE STA. 32+50  
SEE SHEET 13 OF 26

REFRESH "OVERLAY" ALL DAMAGED EXISTING PAVEMENT MARKINGS AS DIRECTED BY ENGINEER



- (1.) TEMPORARY FENCE INSTALLATION AND EARTH SAWCUTS OF TREE ROOTS (ROOT PRUNING) WILL BE FIELD DETERMINED, PRIOR TO ANY REMOVAL OPERATIONS.
- (2.) 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.
- (3.) EXACT LOCATIONS OF THE FULL DEPTH PATCHES (HES) AND/OR CLASS "D" PATCHES WILL BE FIELD DETERMINED, AFTER MILLING OF EXISTING ROADWAY SURFACE.
- (4.) EXISTING TYPE B CURB WILL BE REMOVED AND REPLACED WITH COMBINATION CONCRETE CURB AND GUTTER, TYPE B6.12, WILL BE FIELD DETERMINED.
- (5.) THE WORK IN NOTE 3 WILL BE PAID FOR AT THE CONTRACT UNIT PRICE BID FOR "PAVEMENT REMOVAL", "CURB REMOVAL", AND "COMBINATION CONCRETE CURB AND GUTTER TYPE B6.12".
- (6.) THE CONTRACTOR SHALL BE RESPONSIBLE TO VISUALLY FIELD VERIFY ALL STRUCTURES CALLING FOR RECONSTRUCTION OR REPLACEMENT IN ORDER TO DETERMINE THE EXTEND AND MAGNITUDE OF THE WORK REQUIRED. FULL DEPTH SAW CUTTING WILL BE REQUIRED FOR ALL UTILITY WORK.
- (7.) ADDITIONAL CONCRETE REMOVAL AND REPLACEMENT WORK WILL BE FIELD DETERMINED.

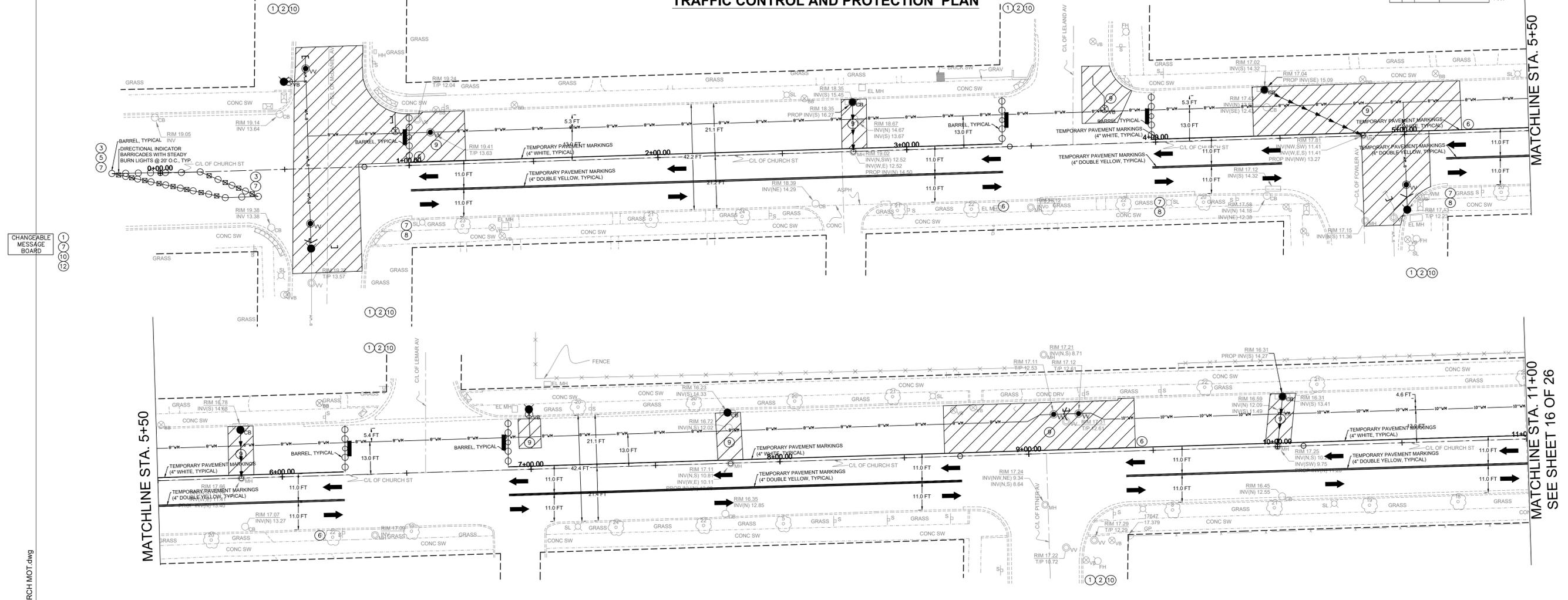
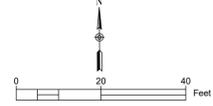
NO.	DATE	REVISION
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**2026 CHURCH STREET (McDANIEL-FLORENCE)  
WATER MAIN IMPROVEMENTS PROJECT  
RESTORATION PLAN**

SCALE 1" = 20' H 1" = 2' V
PROJECT NUMBER: PW-WM-2501
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CHECKED BY: BN

CHURCH STREET  
(ASPHALT OVER CONCRETE)

TRAFFIC CONTROL AND PROTECTION PLAN



CHANGEABLE MESSAGE BOARD

1  
7  
10  
12

MAINTENANCE OF TRAFFIC NOTES:

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2. ALL SIGNING SHALL BE IN ACCORDANCE WITH THE APPLICABLE PROVISIONS OF THE STATE OF ILLINOIS "STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION" ADOPTED JANUARY 1, 2022 AND THE LATEST EDITION OF THE STATE OF ILLINOIS "MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES", AND AS DIRECTED BY THE ENGINEER.
3. THE SIZES OF ALL SIGNS NOT SPECIFIED IN THESE PLANS SHALL BE AS REQUIRED BY THE ILLINOIS MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES.
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5. THE CONTRACTOR SHALL PROVIDE THE ENGINEER WITH THE NAMES AND PHONE NUMBERS OF THEIR REPRESENTATIVES ON THE CONSTRUCTION SITE, AND THEIR REPRESENTATIVE RESPONSIBLE FOR THE DETOUR SIGNING, PRIOR TO THE START OF WORK.
6. ACCESS FOR RESIDENTS SHALL BE MAINTAINED AT ALL TIMES.
7. ALL SIGN LOCATIONS SHALL BE FIELD LOCATED AND APPROVED BY THE ENGINEER

**ROAD CLOSED TO ALL TRAFFIC, TYPE III BARRICADE, STANDARD FLASHING (DOT HWY STD 7022001) W/ R11-2 (48" x 30")**

CHANGEABLE MESSAGE BOARD

CHANGEABLE MESSAGE BOARD (SOLAR POWERED) TO BE PLACED PRECEDING PROJECT AREA FROM BOTH DIRECTIONS TWO WEEKS PRIOR TO PROJECT START. LOCATIONS TO BE FIELD DETERMINED BY ENGINEER.

<p>① W20-1 48" X 48" STANDARD FLASHING BLACK ON ORANGE (REFLECTORIZED)</p> <p>② M6-4(0)-2115</p> <p>③ W1-6R(0)-603 (Mounted Above Typ-III Barricade)</p> <p>④ W1-6L(0)-603 (Mounted Above Typ-III Barricade)</p> <p>⑤ ARROW BOARD</p>	<p>⑥ NO LEFT TURN 123-1 (30" x 30")</p> <p>⑦ R4-7A-R 24" X 30"</p> <p>⑧ W6-3(0)-48</p> <p>⑨ WORK ZONE</p>	<p>⑩ W20-7(0)-48 or W21-1(0)-48 Must Be Removed when Workers not Present For More than one hour</p> <p>⑪ W20-5R(0)48</p> <p>⑫ W20-5(0)48</p> <p>⑬ M6-2L 21" X 15"</p>
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701427-05	LANE CLOSURE, MULTILANE, INTERMITTENT OR MOVING OPERATIONS FOR SPEEDS > 45MPH
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TC-13	DISTRICT ON TYPICAL PAVEMENT MARKINGS
TC-14	TRAFFIC CONTROL AND PROTECTION AT TURN BAYS (TO REMAIN OPEN TO TRAFFIC)
TC-26	DRIVEWAY ENTRANCE SIGNING

**2026 CHURCH STREET (McDANIEL-FLORENCE)  
WATER MAIN IMPROVEMENTS PROJECT  
TRAFFIC CONTROL AND PROTECTION PLAN**

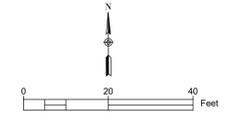
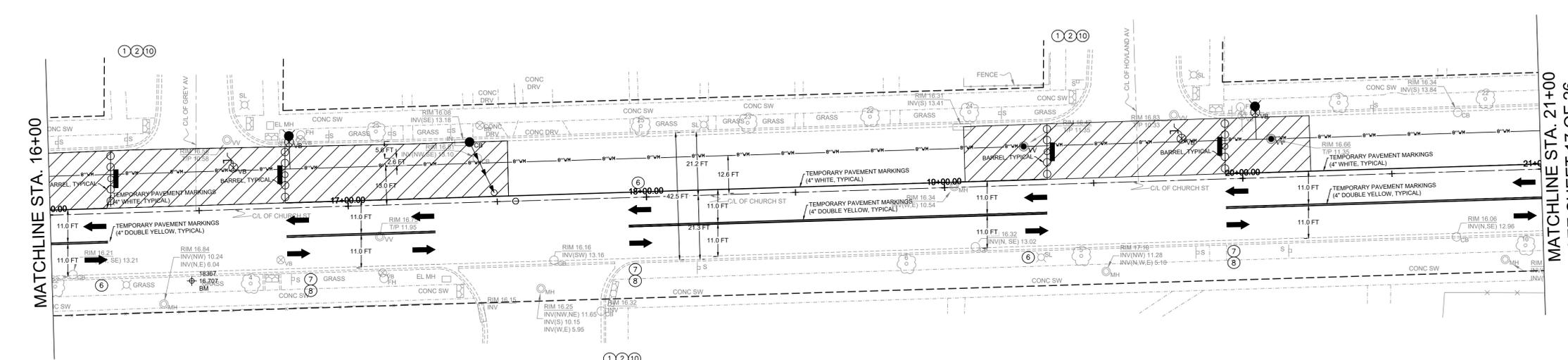
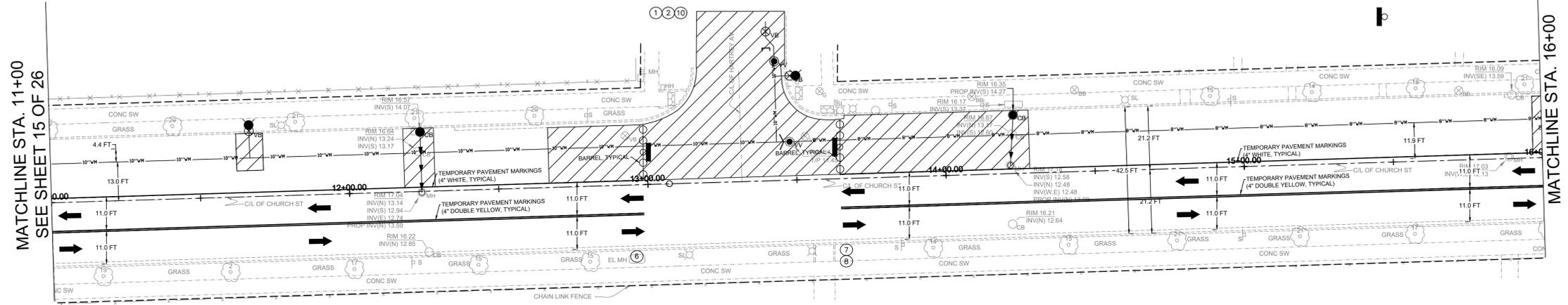
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CHURCH STREET  
(ASPHALT OVER CONCRETE)

TRAFFIC CONTROL AND PROTECTION PLAN



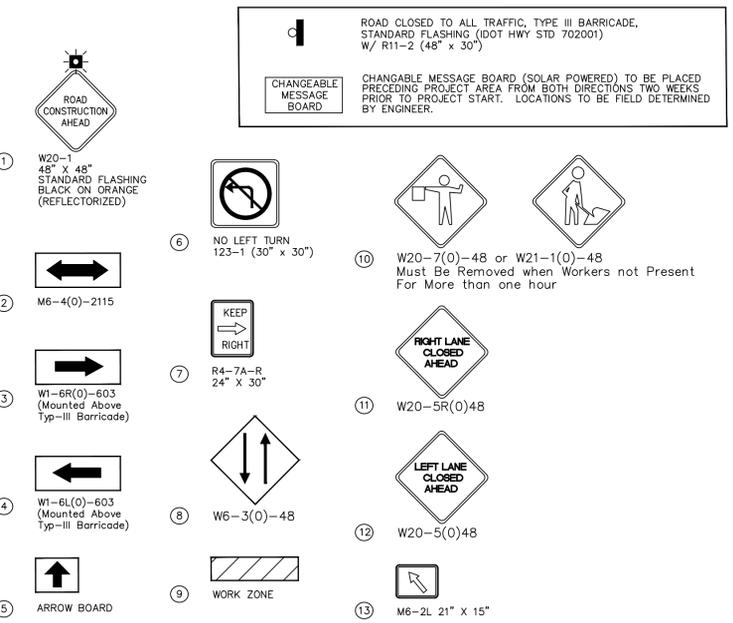
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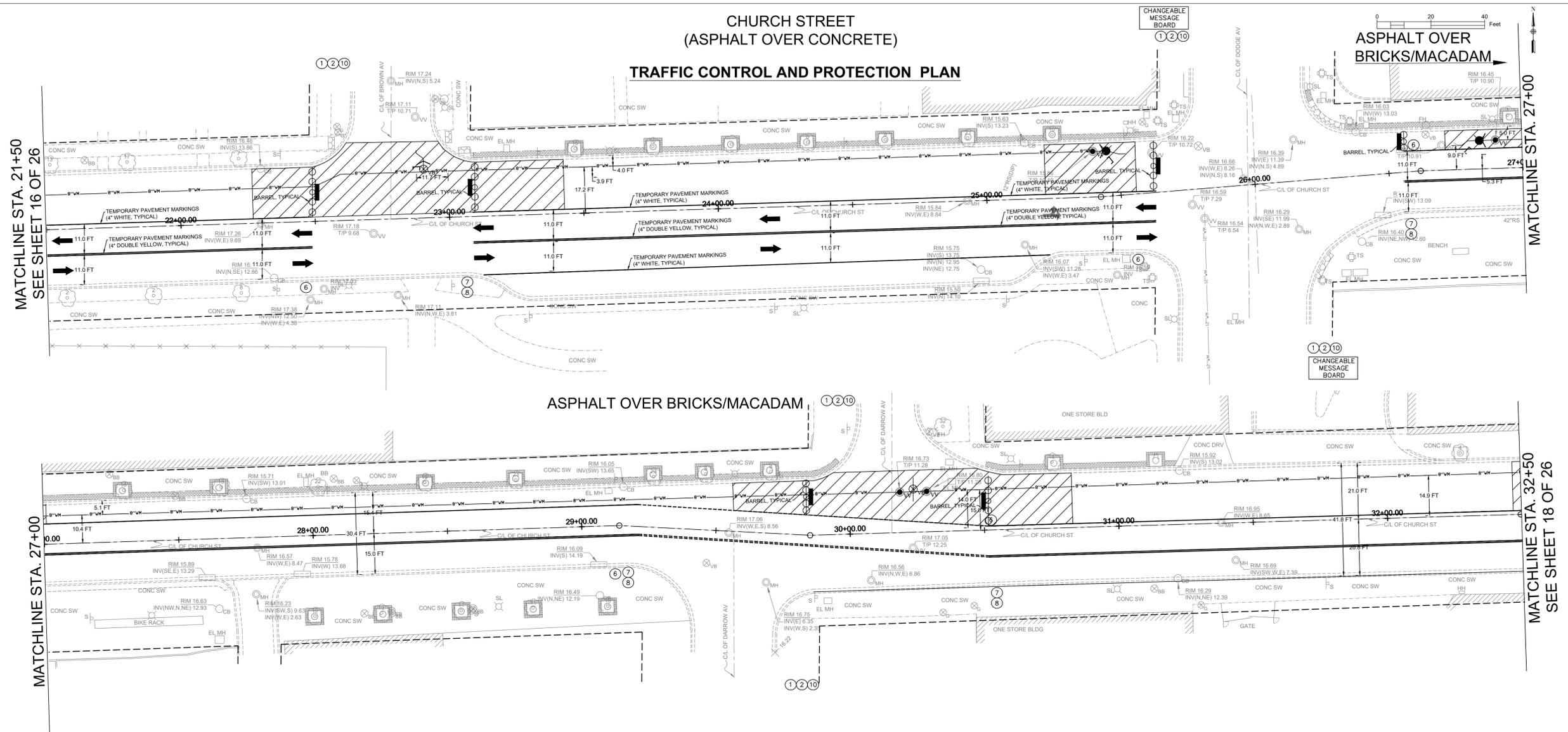
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 WATER MAIN IMPROVEMENTS PROJECT  
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**CHURCH STREET  
(ASPHALT OVER CONCRETE)**

**TRAFFIC CONTROL AND PROTECTION PLAN**



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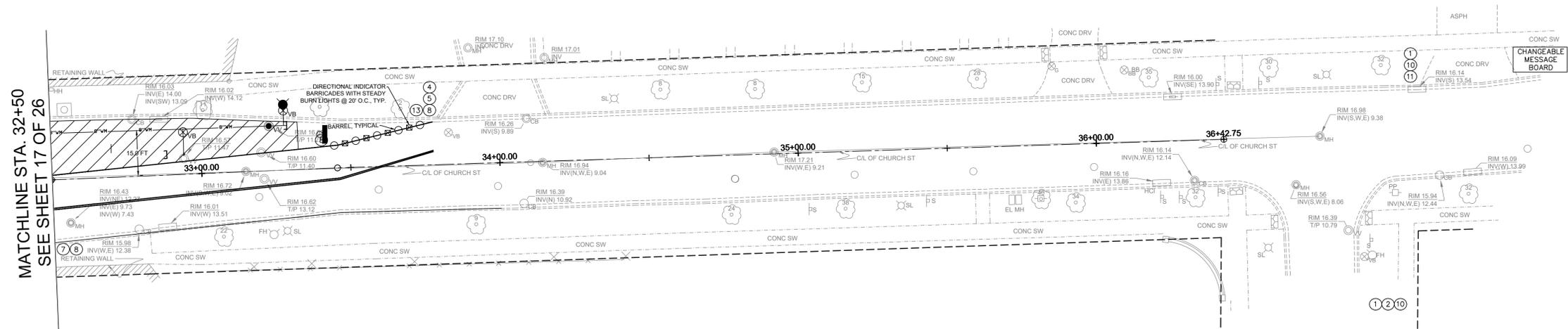
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**CHURCH STREET  
(ASPHALT OVER BRICKS/MACADAM)  
TRAFFIC CONTROL AND PROTECTION PLAN**



MATCHLINE STA. 32+50  
SEE SHEET 17 OF 26

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**2026 CHURCH STREET (McDANIEL-FLORENCE)  
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1" = 20' H  
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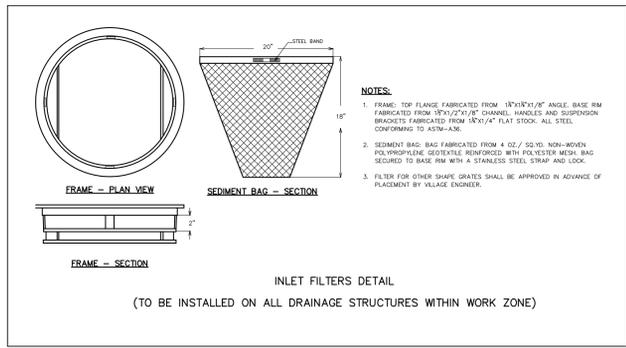
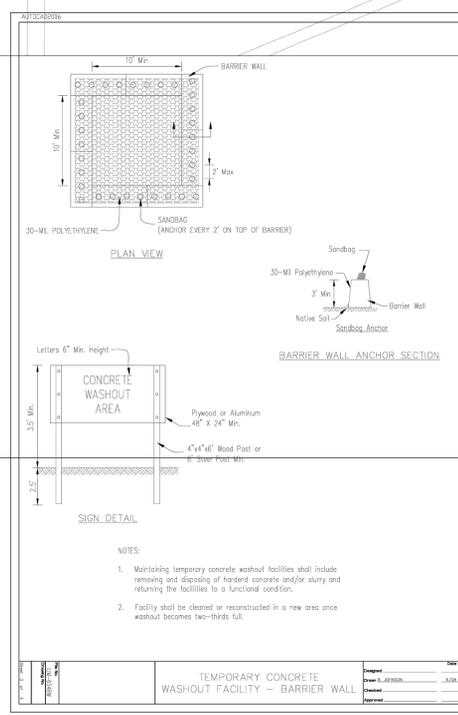
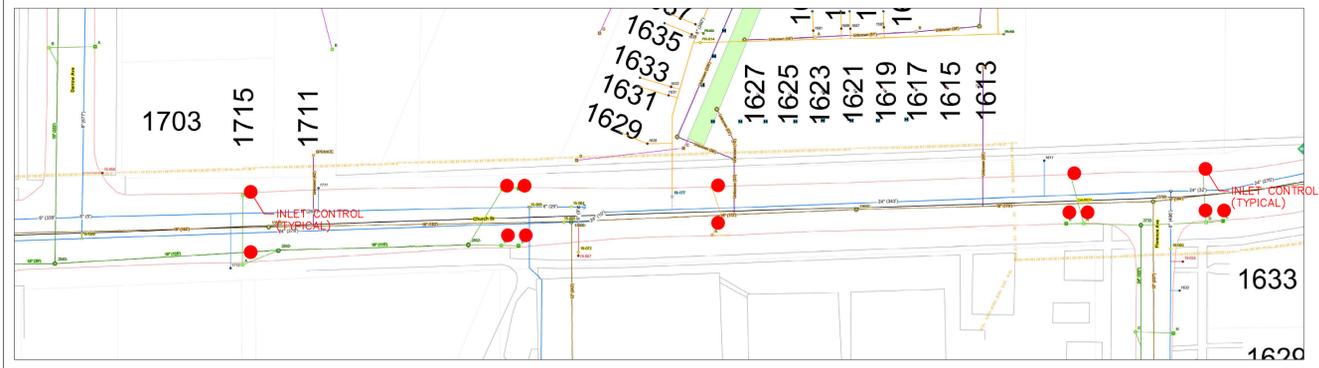
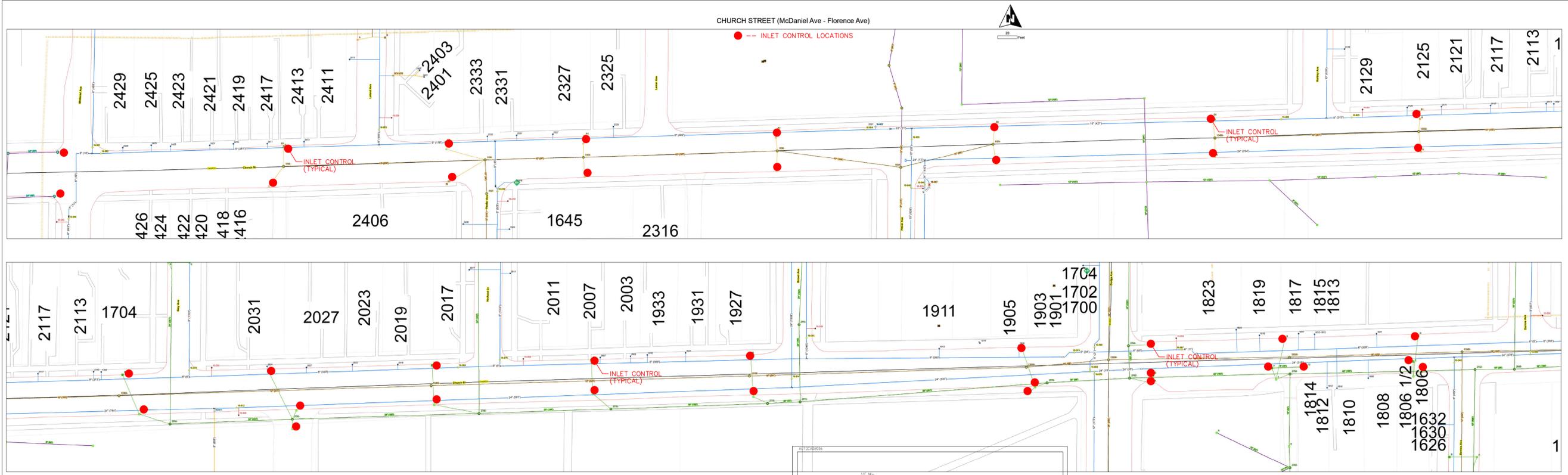
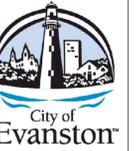
**DESIGNED BY:** AA

**DRAWN BY:** AA

**CHECKED BY:** BN

**SHEET**  
**18 OF 26**

# EROSION AND SEDIMENT CONTROL PLAN



Washout water from the concrete trucks is not allowed to be discharged directly into the combined sewer system without pretreatment. If a concrete washout pad or dumpster is not maintained on site, the concrete trucks shall be required to return to the concrete supplies plant for washout cleaning.

The contractor shall be responsible for trench dewatering and excavation for the installation of sanitary sewers, storm sewers, water mains 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 water shall not be discharged to waterways, flood protection areas or the combined sewer system.

**NOTES:**

1. Construction Program Schedule
 

Prior to start of construction, the contractor shall meet with the resident engineer and discuss the project construction activities, erosion and sediment control practices and site restoration measures. Site clearing and excavation shall not proceed until the contractor prepares and submits a construction program schedule for all erosion and sediment control practices, construction activities and site restoration measures.
2. Best Management Practices
  - o The existing drainage structures as indicated on the plans shall be provided with inlet filter control devices. These devices shall be maintained in place during the entire construction period.
  - o The storm sewer system shall be installed as soon as earthwork operations permit. The areas around inlet structures shall be temporarily graded to ground level 12 inches below the structure rim to inhibit drainage into structure and create temporary sediment traps. Install filter fabric under the inlet casting grates immediately upon installation of the structures.
  - o All sediment filters and erosion protection features shall be inspected and maintained at least once a week, within 24 hours of the end of a 0.50 inch rainfall event and periodically as otherwise necessary to allow them to operate effectively.
  - o Excavated soil stockpile locations shall be limited to within the construction site.
  - o On-site equipment and material staging and storage areas shall be limited to locations within the construction site.
  - o Construction vehicle access shall be limited to defined connections to/from the adjacent streets.
  - o Soil, mud or debris deposited, tracked or washed on the adjacent streets shall be removed daily.
  - o Water pumped or otherwise discharged from the work site during dewatering operations shall be filtered to minimize the off-site discharge of suspended solids.
  - o It is intended that all permanent grass areas be established with turf grass sod within seven days after completion of topsoil placement operations.

**Legend**

Comb. Mains - ACTIVE  
SubType RESPONSIBILITY

- Comb. Main, City
- Comb. Outfall, City
- Comb. Interceptor, City
- Comb. Inv. Siphon, City
- Comb. Overflow, City
- Main, MWRD
- Outfall, MWRD
- Interceptor, MWRD
- Vertical Siphon, MWRD
- Overflow, MWRD
- Main, Private
- Outfall, Private
- Interceptor, Private
- City Siphon
- Street Labels
- Parks
- Water Bodies
- City Background (White)
- Rel. Main, City
- Rel. Outfall, City
- Rel. Inv. Siphon, City
- Rel. Overflow, City
- Main, MWRD
- Open Channel, MWRD
- Main, Private
- Outfall, Private
- Private

NO.	DATE	REVISION
1		
2		
3		
4		

## 2026 CHURCH STREET (McDANIEL-FLORENCE) WATER MAIN IMPROVEMENTS PROJECT EROSION AND SEDIMENT CONTROL PLAN

SCALE  
**NTS**

PROJECT NUMBER:  
PW-WM-2501

BID NUMBER:  
26-04

ISSUED FOR:  
BID

DATE: 12/08/2025

DESIGNED BY: AA

DRAWN BY: AA

CHECKED BY: BN

SHEET  
**19 OF 26**

X:\Public Works\Engineering\Projects\Water Main Improvements - Church Street\Sheet Files\19 - ESCP\_REV250129.dwg

# 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**

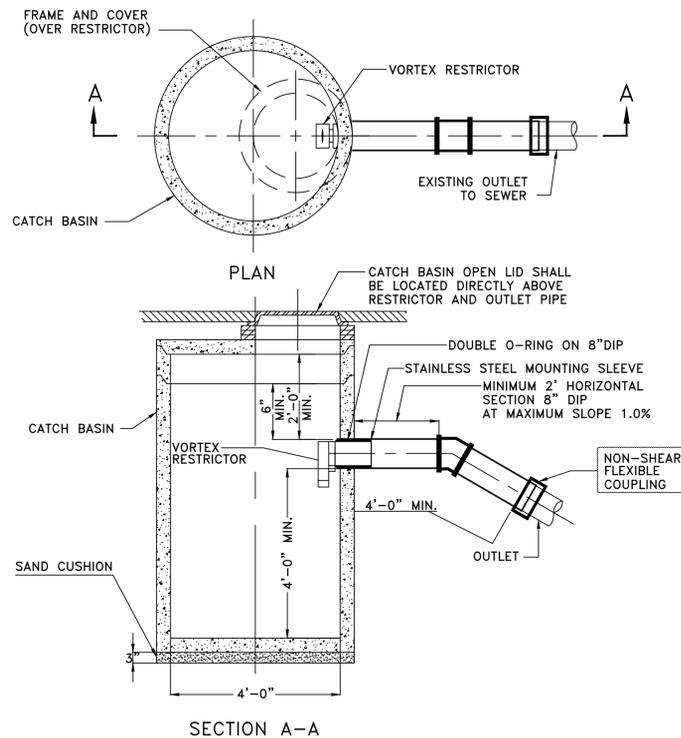
WHERE EXTRA STRENGTH CLAY PIPE (E.S.V.C.P.) IS CALLED FOR ON THE CONTRACT PLANS, IT SHALL BE IN CONFORMANCE WITH:

**ASTM C-700 PIPE**  
**ASTM C-425 JOINT**

TABLE

A	B	C	D	E
48"	5"		24"	0.12
60"	6"	32" MIN	36"	0.17
72"	7"		48"	0.18
84"	8-3/4"	90" MAX	54"	0.21
96"	9"		60"	0.27

## DETAIL OF CATCH BASIN, TYPE A



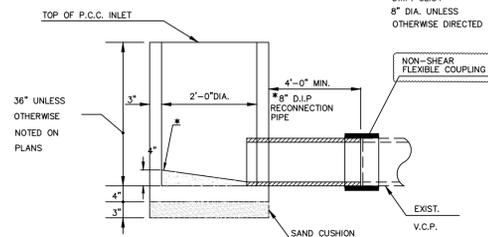
SPECIFICATION REFERENCE: SECTION 602

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

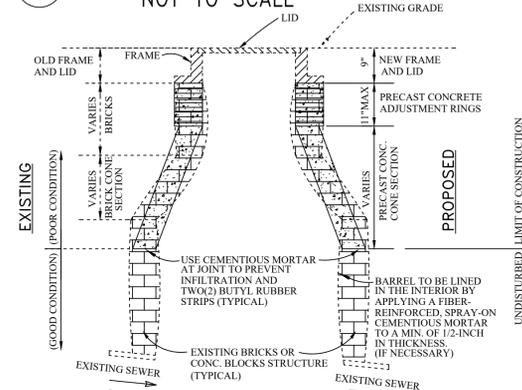


- \* 1) PREFORMED TAPERED BOTTOM SHALL BE FURNISHED AT ALL END OF RUN INLETS
- 2) PROVIDE NON-SHRINK CONCRETE COLLAR AROUND BOOTED PIPE AND BENCH

SPECIFICATION REFERENCE: SECTION 602

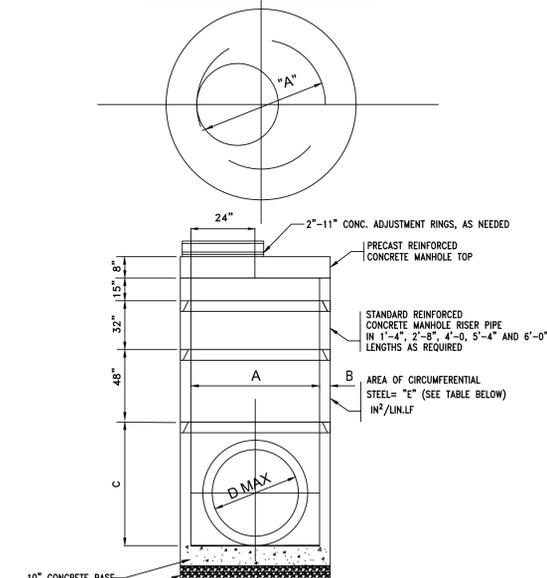
NOTE: All inlet and outlet pipes of sanitary sewer manholes and other underground structures (and in combined sewer areas, also all combined storm sewer manholes, catch basins, inlets, and underground detention storage structures) shall be joined with watertight flexible rubber connections, conforming 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



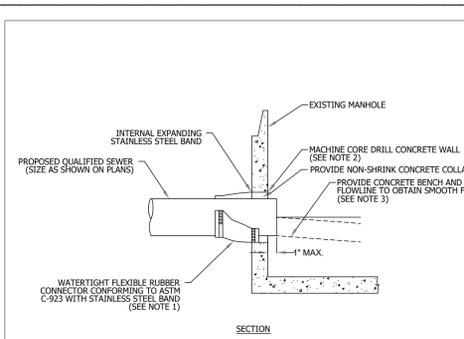
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## STANDARD MANHOLE WITH FLAT TOP DETAIL



- NOTE: 1) THE WATERTIGHT RESILIENT CONNECTOR (ASTM C 923) SHALL BE PROVIDED FOR CORED OPENINGS BETWEEN STRUCTURE AND SEWER PIPE.
- 2) PROVIDE NON-SHRINK CONCRETE COLLAR AROUND BOOTED PIPE AND BENCH.

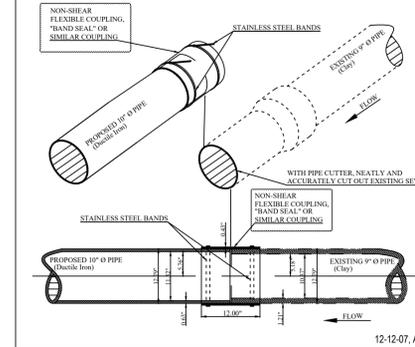
NOTE: All inlet and outlet pipes of sanitary sewer manholes and other underground structures (and in combined sewer areas, also all combined storm sewer manholes, catch basins, inlets, and underground detention storage structures) shall be joined with watertight flexible rubber connections, conforming to A.S.T.M. C-443 and C-923 with stainless steel band.



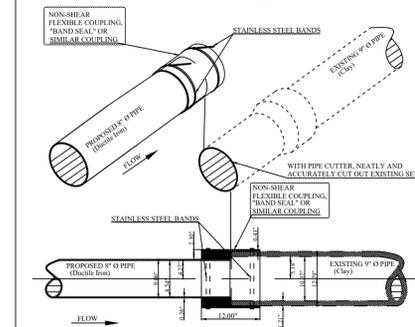
- NOTES:
- 1. RESILIENT CONNECTOR COMPLYING WITH ASTM STANDARD C-923 (MOST RECENT EDITION) SHALL BE USED.
- 2. MACHINE CORE/DRILL CIRCULAR OPENING IN STRUCTURE WALL. OPENING DIAMETER TO FIT THE REQUIRED RESILIENT CONNECTOR PER MANUFACTURER'S RECOMMENDATION.
- 3. CUT, SHAPE, AND SLOPE NEW INVERT CHANNEL 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 THE CONSTRUCTION PROCESS.
- 5. ANY DAMAGE TO THE EXISTING MANHOLE SHALL BE REPAIRED BY THE CONTRACTOR.
- 6. REINFORCED CONCRETE COLLAR 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

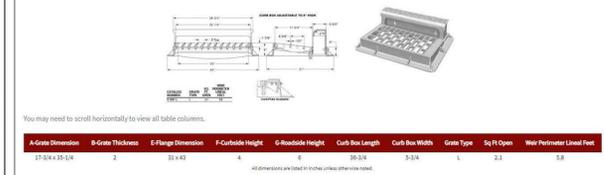
## NEW 10" Ø PIPE TO EXISTING 9" Ø PIPE TYPICAL CONNECTION DETAIL NOT TO SCALE



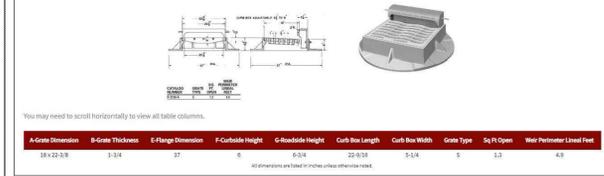
## NEW 8" Ø PIPE TO EXISTING 9" Ø PIPE TYPICAL CONNECTION DETAIL NOT TO SCALE



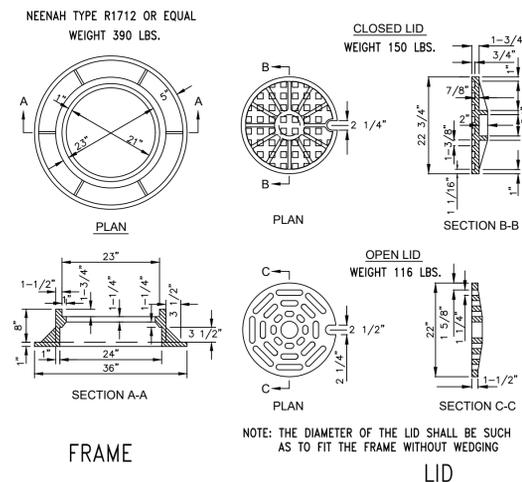
## R-3067-L (NEENAH Foundry)



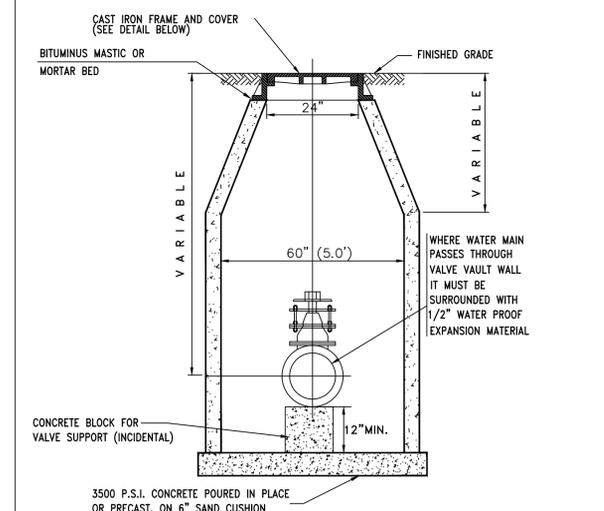
## R-3159-A (NEENAH Foundry)



## TYPE 1 FRAME AND LID DETAIL



## VALVE VAULT DETAIL

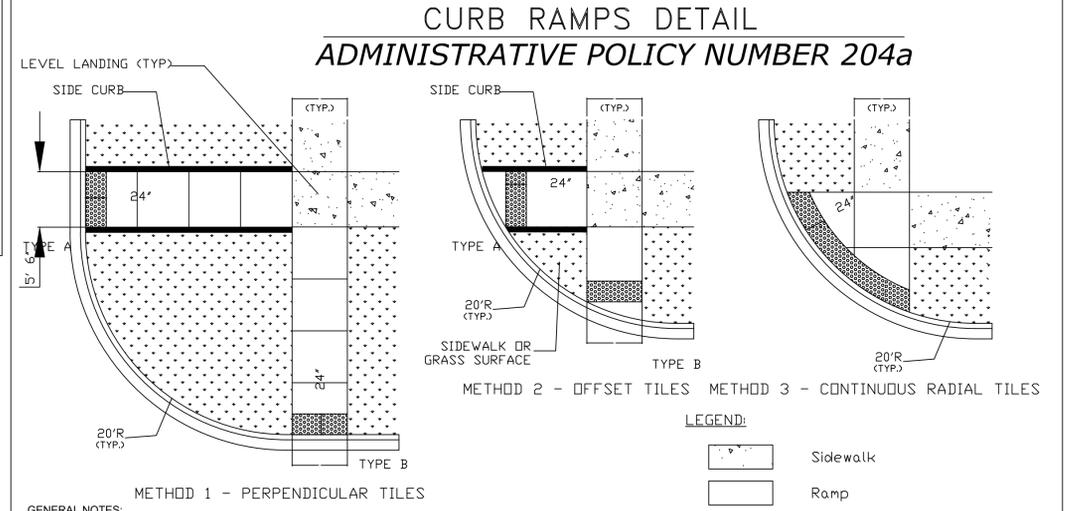
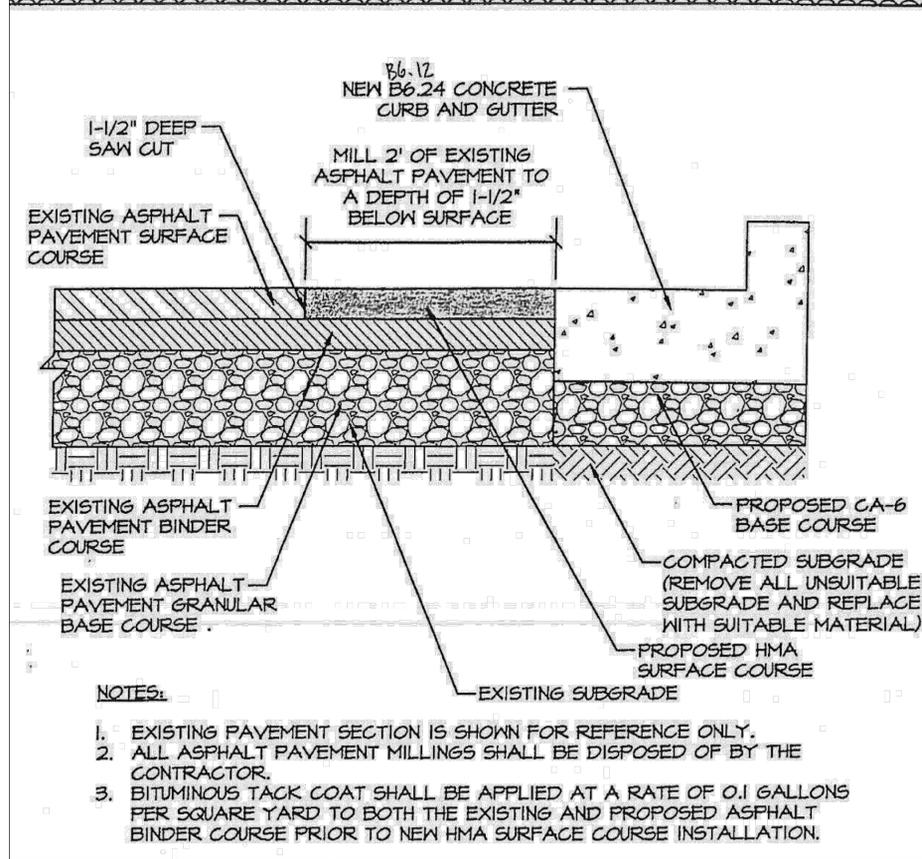
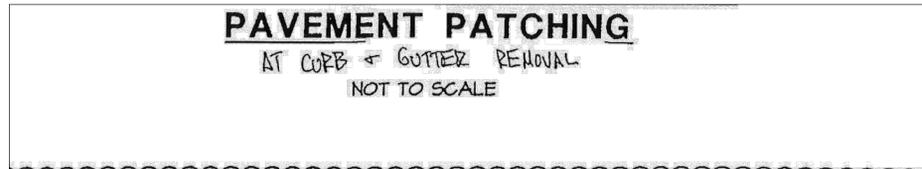
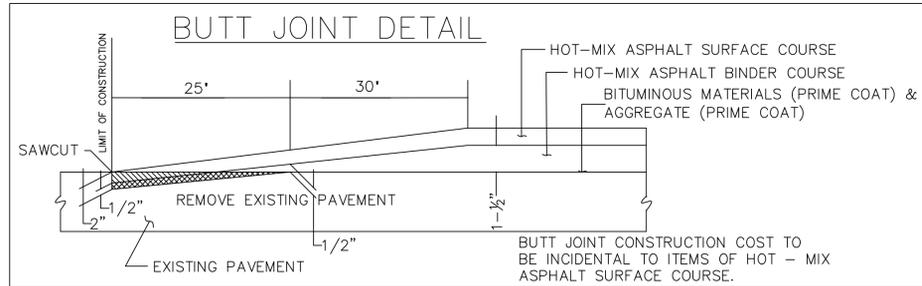
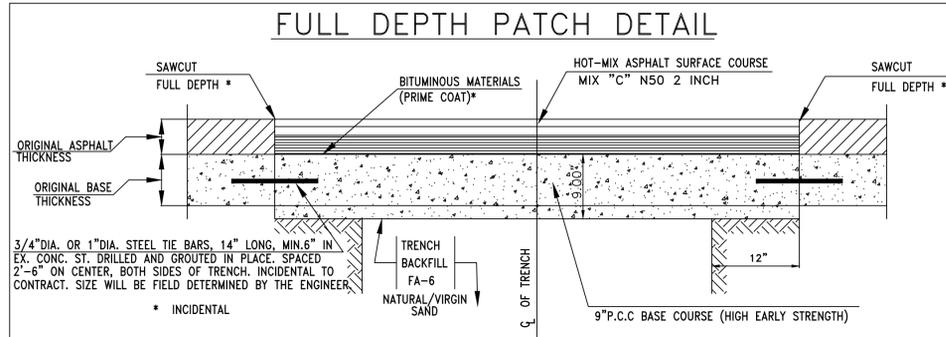


NO.	DATE	REVISION
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**2026 CHURCH STREET (MCDANIEL-FLORENCE)  
 WATER MAIN IMPROVEMENTS PROJECT  
 STANDARDS AND DETAILS**

SCALE	NTS
PROJECT NUMBER:	PW-WM-2501
BID NUMBER:	26-04
ISSUED FOR:	BID
DATE:	12/08/2025
DESIGNED BY:	AA
DRAWN BY:	AA
CHECKED BY:	BN
SHEET	20 OF 22

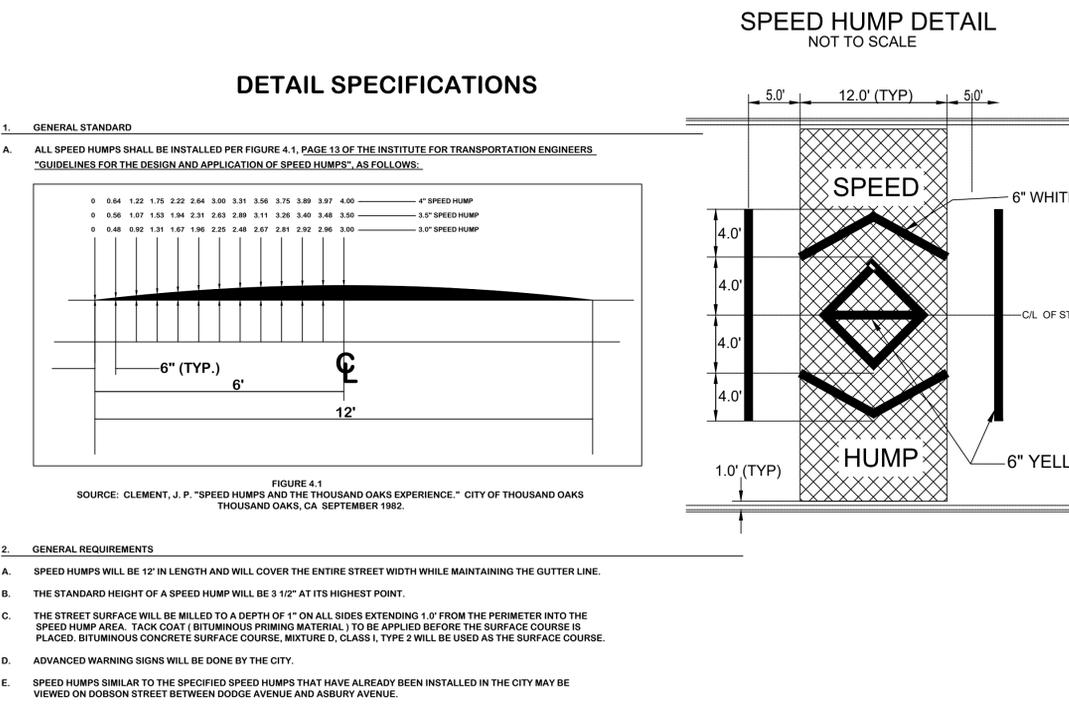
# CITY OF EVANSTON TYPICAL DETAILS



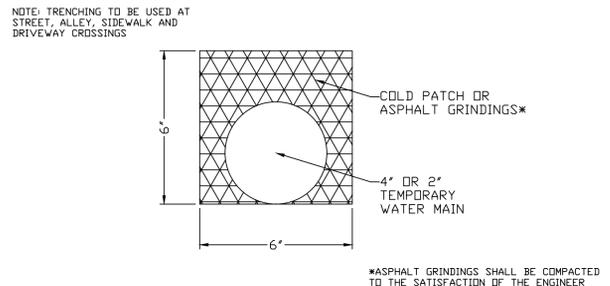
**GENERAL NOTES:**  
1. DETECTABLE WARNING TILES SHALL BE INSTALLED THE FULL WIDTH OF THE CURB RAMP AS SHOWN ABOVE, ON THE PLANS, OR AS DIRECTED BY THE ENGINEER. TYPICAL WIDTHS ARE AS FOLLOWS:  
a) 5' - 6' FOR METHODS 1 AND 2  
b) VARIOUS LENGTHS OF RADIAL TILES FOR METHOD 3  
2. A LEVEL LANDING (MINIMUM 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 A 1/2" 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 SEPARATELY 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 DISABILITIES ACT ACCESSIBILITY GUIDELINES (ADAAG) FOR ADDITIONAL REQUIREMENTS.  
6. DEPRESSED CURBS 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

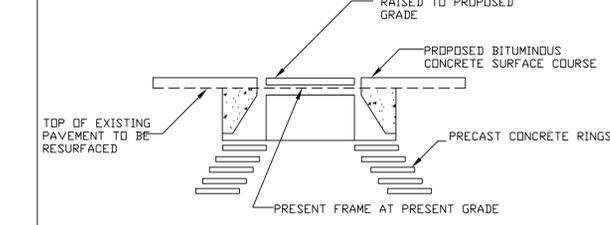
**IDOT STANDARDS:**  
424001-11 PERPENDICULAR CURB RAMPS FOR SIDEWALKS  
424026-03 ENTRANCE / ALLEY PEDESTRIAN CROSSINGS  
606001-07 CONCRETE CURB TYPE B AND COMBINATION CONCRETE CURB AND GUTTER



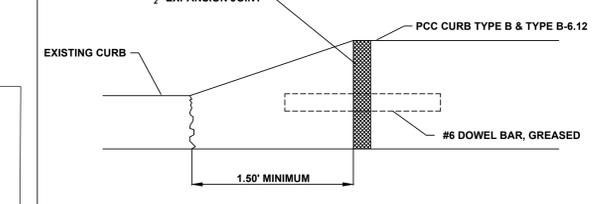
### TEMPORARY WATER MAIN TRENCH



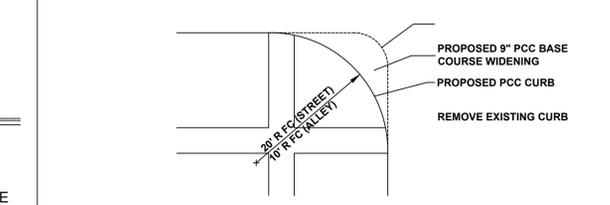
### FRAME AND GRATE ADJUSTMENT DETAIL (MH, CB, IN, VV)



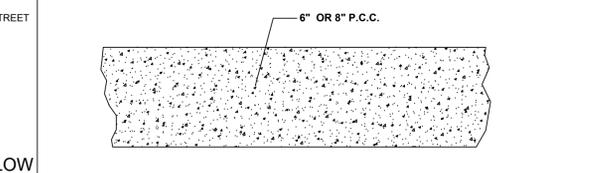
### SECTION FOR CURB TRANSITION DETAIL



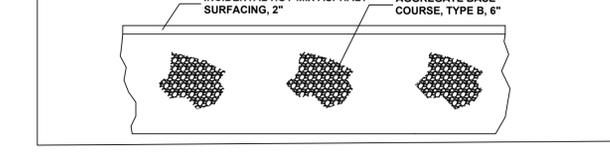
### PLAN FOR INCREASING CURB RADIUS DETAIL



### SECTION CONCRETE DRIVEWAY PAVEMENT DETAIL



### SECTION HOT-MIX ASPHALT DRIVEWAY PAVEMENT DETAIL



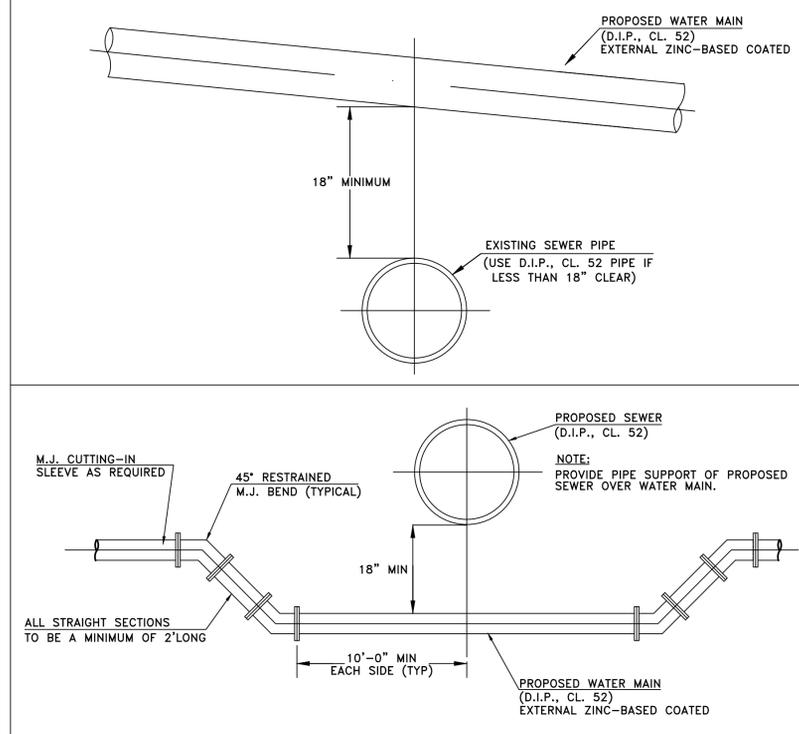
NO.	DATE	REVISION
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**2026 CHURCH STREET (McDANIEL-FLORENCE) WATER MAIN IMPROVEMENTS PROJECT STANDARDS AND DETAILS**

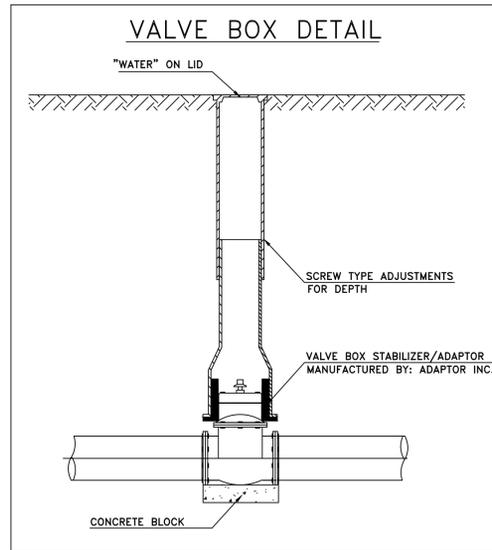
SCALE	NTS
PROJECT NUMBER:	PW-WM-2501
BID NUMBER:	26-04
ISSUED FOR:	BID
DATE:	12/08/2025
DESIGNED BY:	AA
DRAWN BY:	AA
CHECKED BY:	BN
SHEET	21 OF 26

# CITY OF EVANSTON TYPICAL DETAILS

## WATER MAIN ADJUSTMENT DETAIL

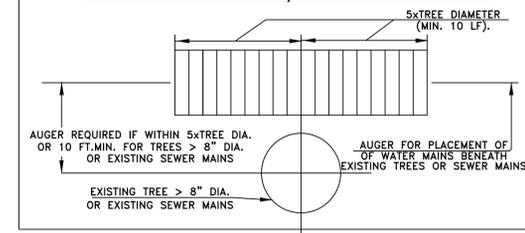


## VALVE BOX DETAIL

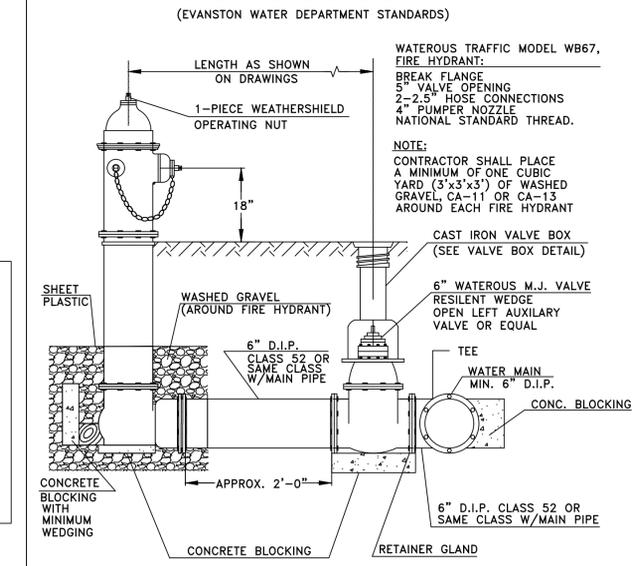


PIPE SIZE (INCH I. D.)	UNIT RATE PER LIN. FT. (TONS)
6	0.17
8	0.19
10	0.22
12	0.25
15	0.33
18	0.41
21	0.48
24	0.57
27	0.64
30	0.74
36	0.94
42	1.15
48	1.38
54	1.71
60	1.90

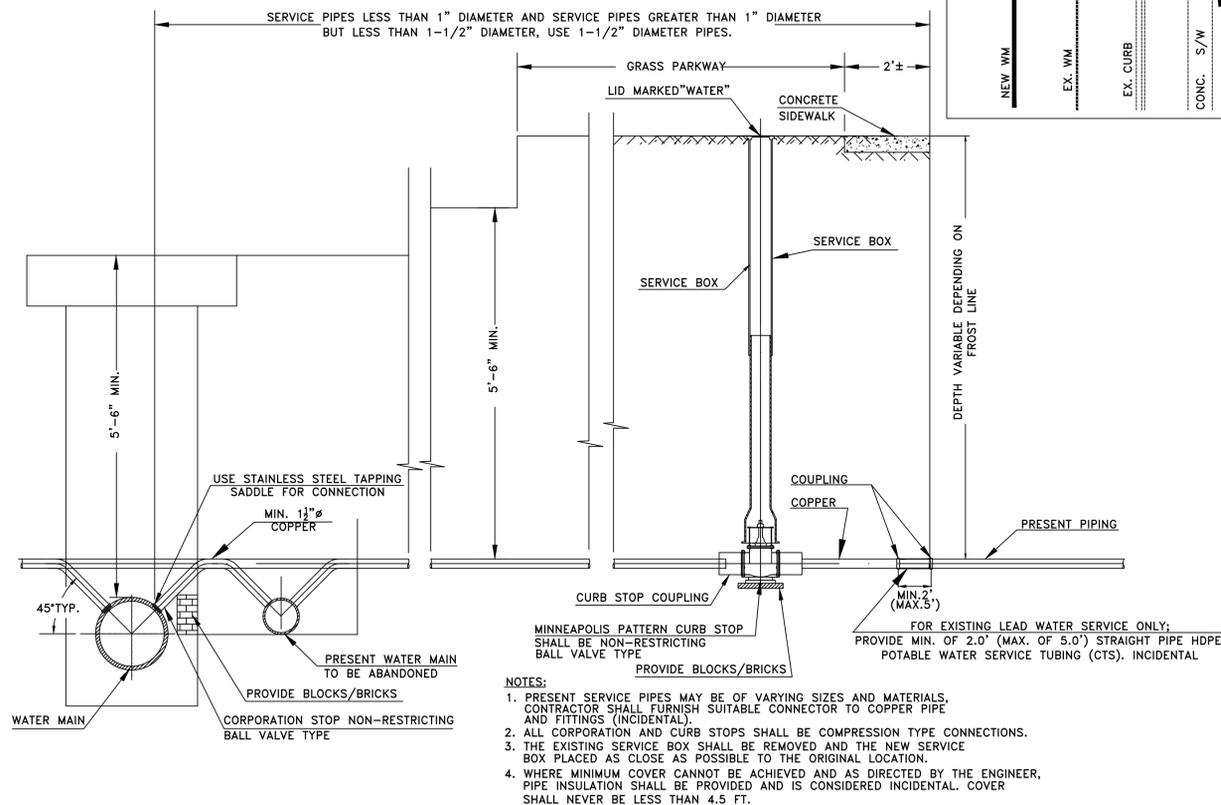
## SHORT TUNNEL/AUGER DETAIL



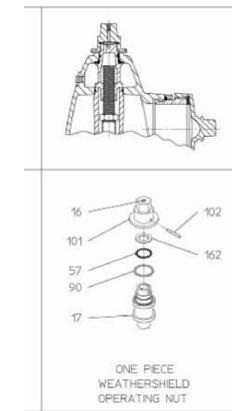
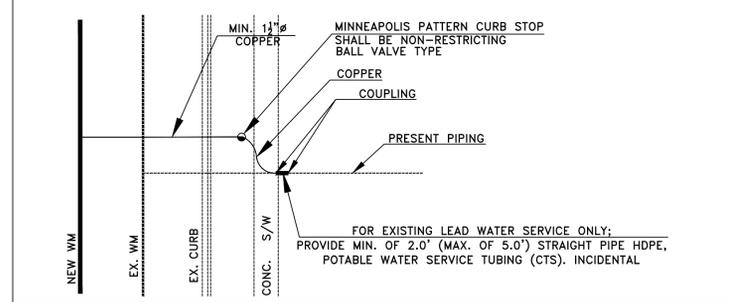
## FIRE HYDRANT DETAIL



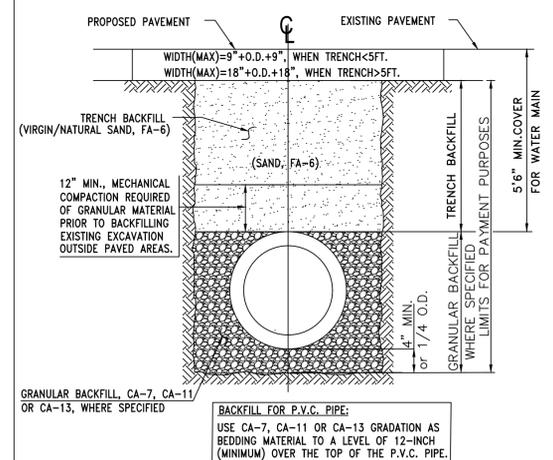
## WATER SERVICE CONNECTION DETAIL



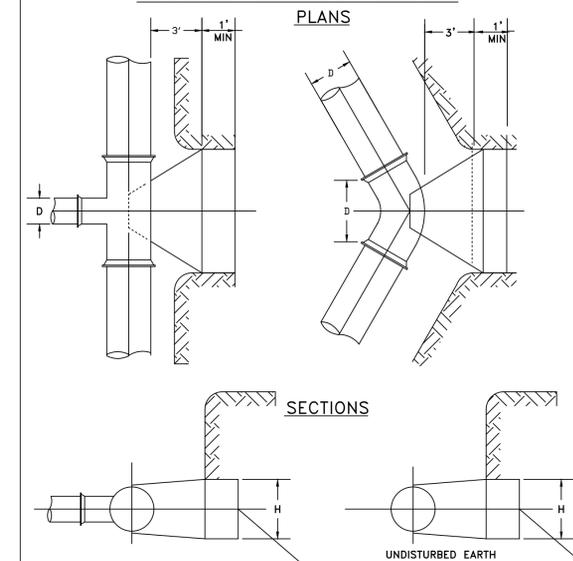
## WATER SERVICE CONNECTION PLAN DETAIL



## TRENCH BACKFILL & GRANULAR BACKFILL MATERIALS DETAIL



## THRUST BLOCK DETAIL



## TEE & PLUGS BENDS

PIPE SIZE "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"

NO.	DATE	REVISION
1		
2		
3		
4		

# 2026 CHURCH STREET (McDANIEL-FLORENCE) WATER MAIN IMPROVEMENTS PROJECT STANDARDS AND DETAILS

SCALE  
NTS

PROJECT NUMBER:  
PW-WM-2501

BID NUMBER:  
26-04

ISSUED FOR:  
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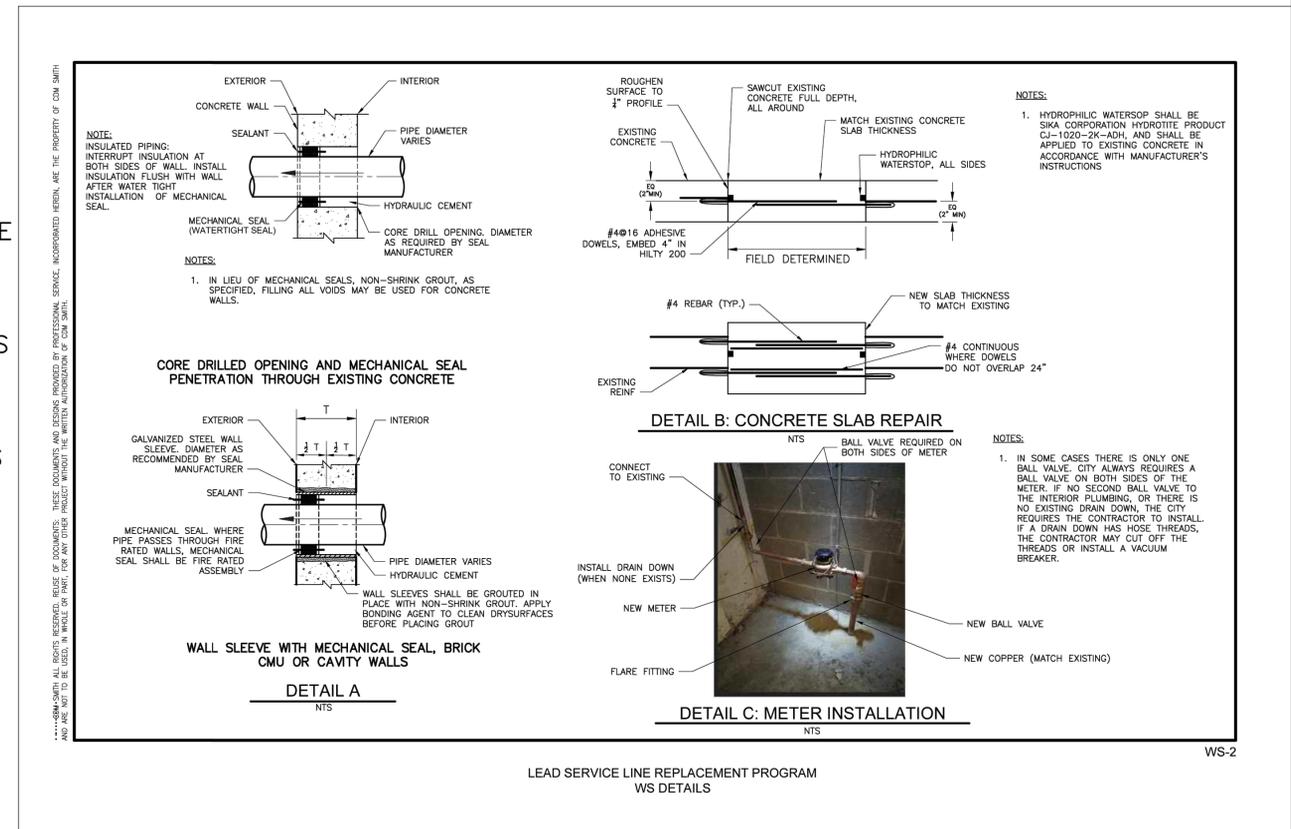
CHECKED BY: BN

SHEET  
22 OF 26

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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 WHEN REPLACING WATER SERVICE CONSIDERING THE LOCATION OF THE EXISTING SEWER SERVICE. CONTRACTOR DOES NOT NEED TO CONSIDER SERVICES ON THE OPPOSITE SIDE OF THE STREET.
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.



GENERAL WATER SERVICE REPLACEMENT NOTES  
 Lead Service Line Replacement Program

WS-0



NO.	DATE	REVISION
1		
2		
3		
4		

2026 CHURCH STREET (McDANIEL-FLORENCE)  
 WATER MAIN IMPROVEMENTS PROJECT  
 LEAD SERVICE LINE REPLACEMENT PROGRAM

SCALE NTS
PROJECT NUMBER: PW-WM-2501
BID NUMBER: 26-04
ISSUED FOR: BID
DATE: 12/08/2025
DESIGNED BY: AA
DRAWN BY: AA
CHECKED BY: BN
SHEET 23 OF 26

NO.	DATE	REVISION
1		
2		
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**2026 CHURCH STREET (McDANIEL-FLORENCE)  
 WATER MAIN IMPROVEMENTS PROJECT  
 LEAD SERVICE LINE REPLACEMENT PROGRAM**

SCALE  
NTS

PROJECT NUMBER:  
PW-WM-2501

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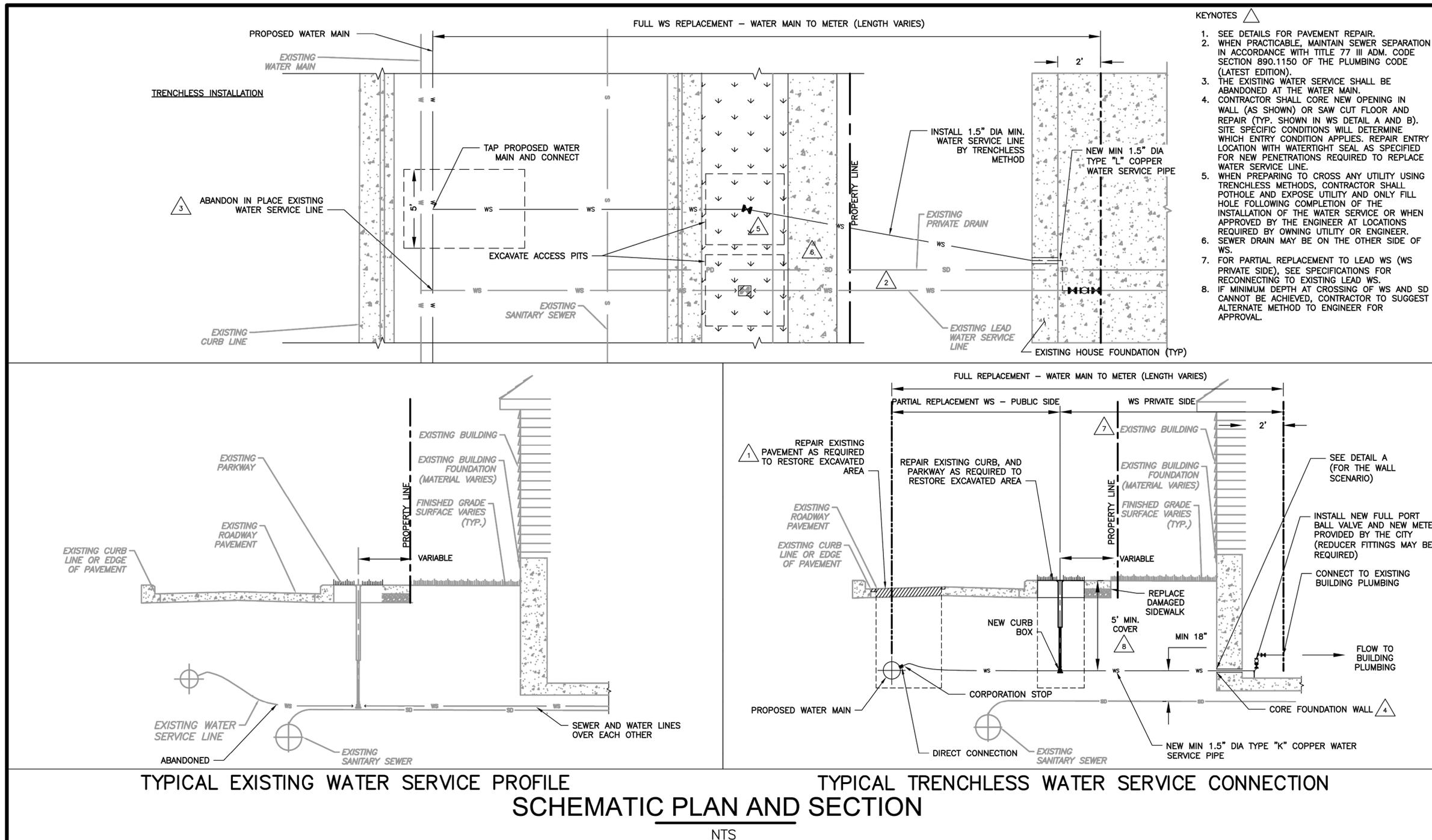
DRAWN BY: AA

CHECKED BY: BN

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**24 OF 26**

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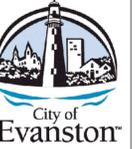
- KEYNOTES**  $\triangle$
- SEE DETAILS FOR PAVEMENT REPAIR.
  - WHEN PRACTICABLE, MAINTAIN SEWER SEPARATION IN ACCORDANCE WITH TITLE 77 III ADM. CODE SECTION 890.1150 OF THE PLUMBING CODE (LATEST EDITION).
  - THE EXISTING WATER SERVICE SHALL BE ABANDONED AT THE WATER MAIN.
  - CONTRACTOR SHALL CORE 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.
  - 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.
  - SEWER DRAIN MAY BE ON THE OTHER SIDE OF WS.
  - FOR PARTIAL REPLACEMENT TO LEAD WS (WS PRIVATE SIDE) SEE SPECIFICATIONS FOR RECONNECTING TO EXISTING LEAD WS.
  - 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

**STANDARD DETAIL**  
 Lead Service Line Replacement Program with Water / Sewer Separation Provided by Relocating  
 Water Service 10-ft From All Sewer Drains, When Practicable  
 Service Line Replacement: Trenchless WS Replacement

WS-1





NO.	REVISION
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2026 CHURCH STREET (McDANIEL-FLORENCE)  
WATER MAIN IMPROVEMENTS PROJECT

IDOT STANDARDS

SCALE	NTS
PROJECT NUMBER:	PW-WM-2501
BID NUMBER:	26-04
ISSUED FOR:	BID
DATE:	12/08/2025
DESIGNED BY:	AA
DRAWN BY:	AA
CHECKED BY:	BN

