



**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**

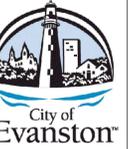
This addendum forms a part of the Specifications and Bid Documents for Bid #26-04 and modifies these documents. This addendum consists of the following revisions:

**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**

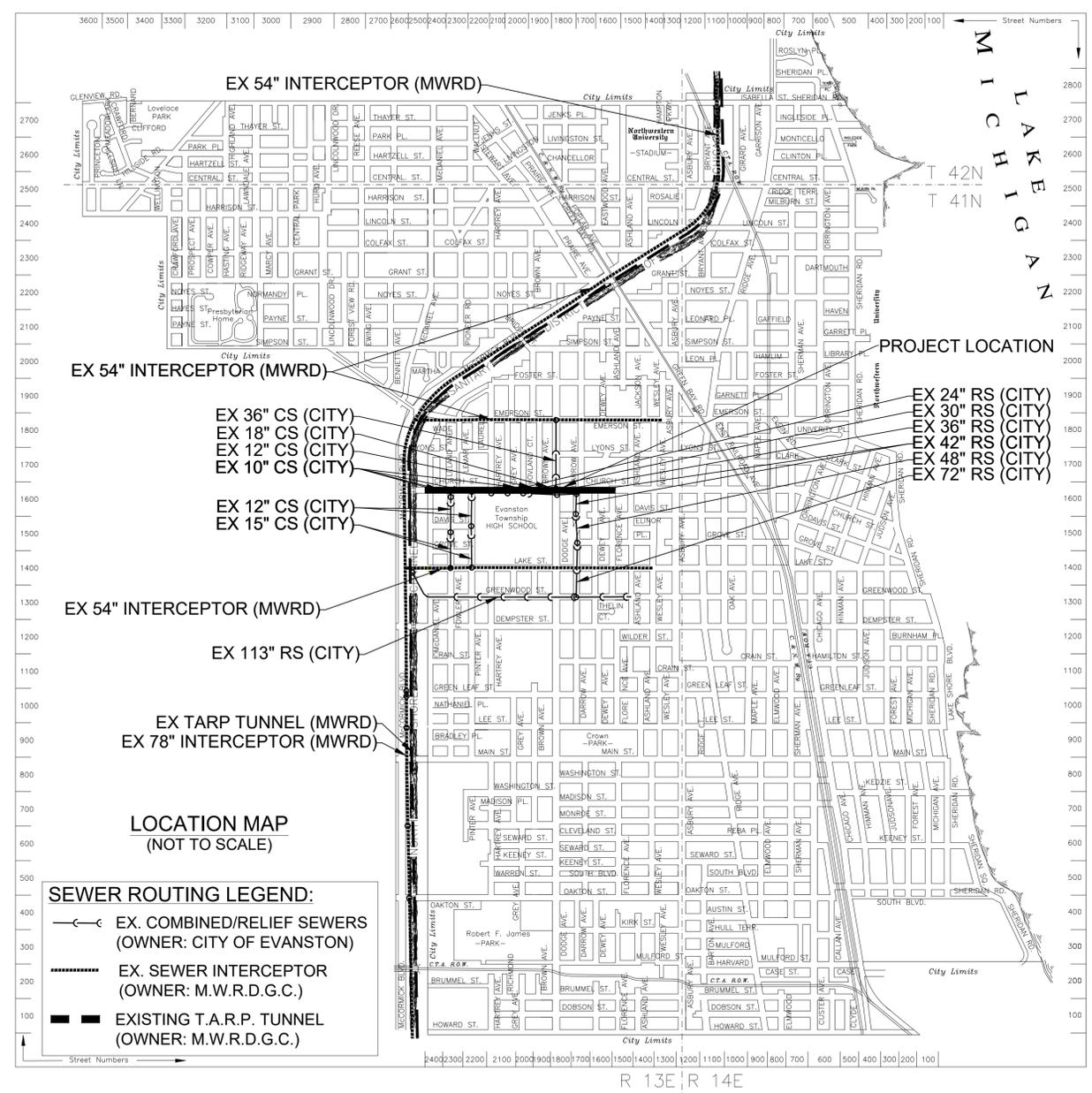
- 1 TITLE SHEET
- 2 GENERAL NOTES
- 3 SUMMARY OF QUANTITIES
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- 25 MWRD GENERAL NOTES/IEPA SEPARATION REQUIREMENTS
- 26 IDOT STANDARDS

**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



PROPOSED NET LENGTH = 3,628 FEET (0.687 MILES)

**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@mwrdd.org

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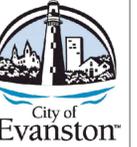


### CHURCH STREET (McDaniel Av-Florence Av)

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



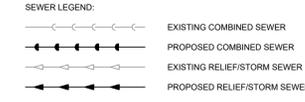
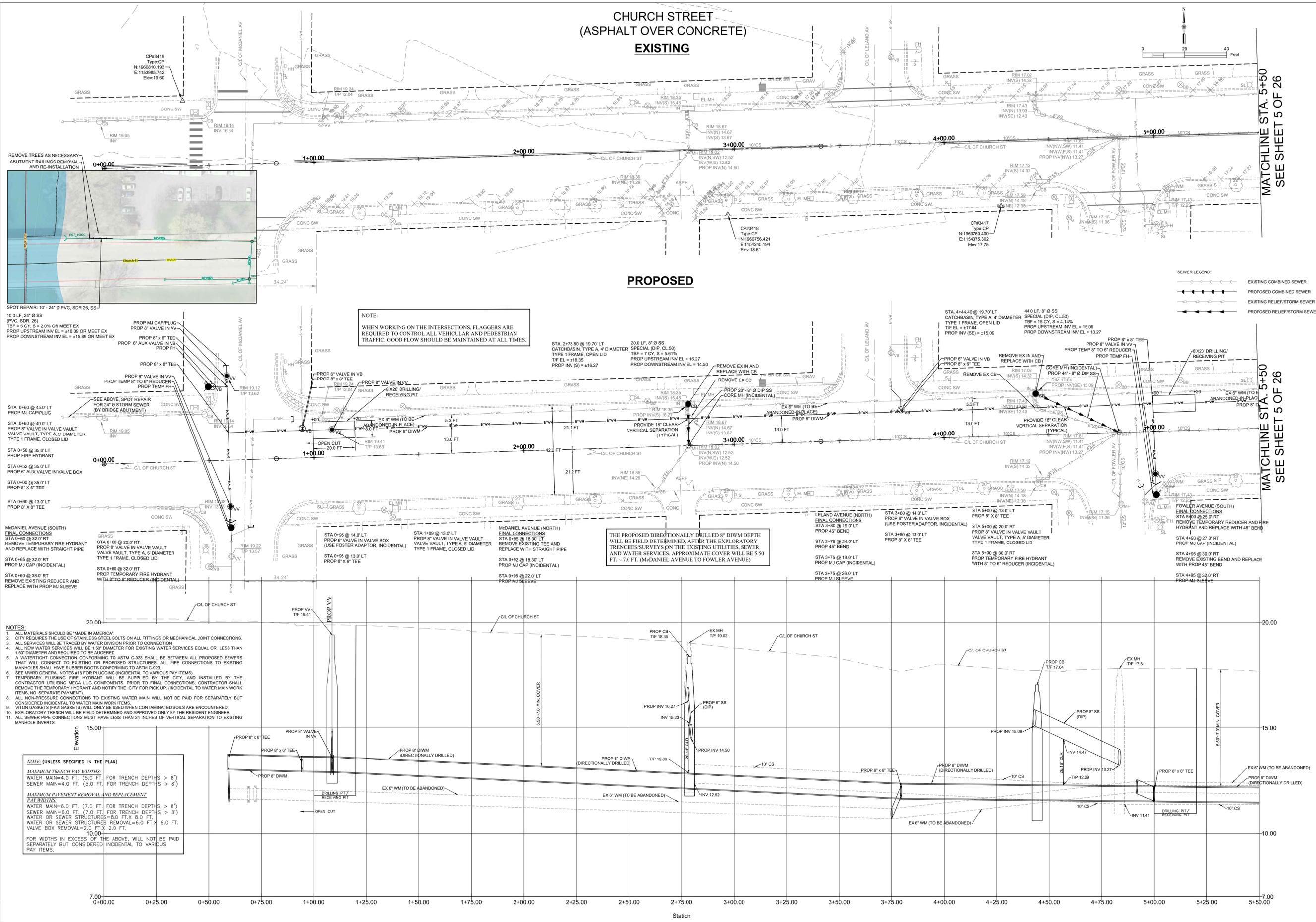
1	2	3	4	NO.	DATE	REVISION

## 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
BID NUMBER:	26-04
ISSUED FOR:	BID
DATE:	12/08/2025
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# CHURCH STREET (ASPHALT OVER CONCRETE)

## EXISTING

## PROPOSED

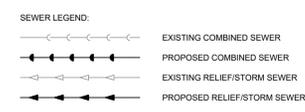
MATCHLINE STA. 5+50  
SEE SHEET 4 OF 26

MATCHLINE STA. 11+00  
SEE SHEET 6 OF 26

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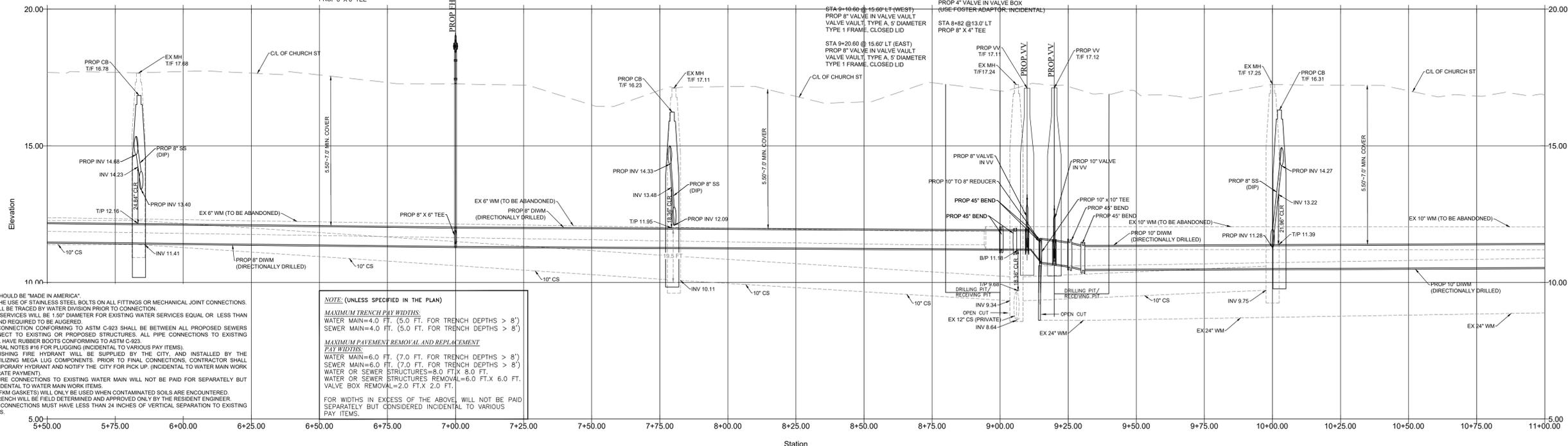
MATCHLINE STA. 11+00  
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**NOTE:**  
WHEN WORKING ON THE INTERSECTIONS, FLAGGERS ARE REQUIRED TO CONTROL ALL VEHICULAR AND PEDESTRIAN TRAFFIC. GOOD FLOW SHOULD BE MAINTAINED AT ALL TIMES.



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.
  - 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 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.
  - EXPLORATORY TRENCH WILL BE FIELD DETERMINED AND APPROVED ONLY BY THE RESIDENT ENGINEER.
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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.

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SHEET 5 OF 26	

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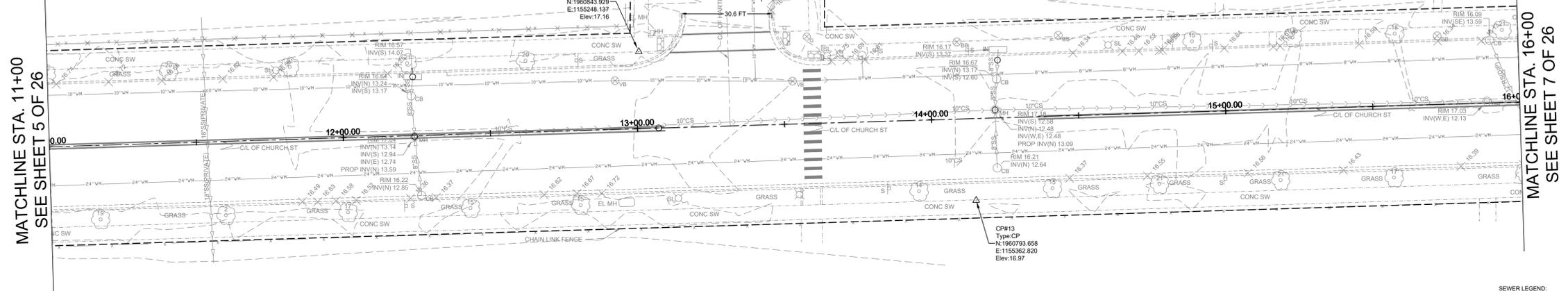
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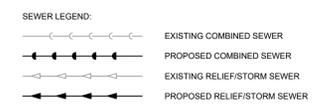
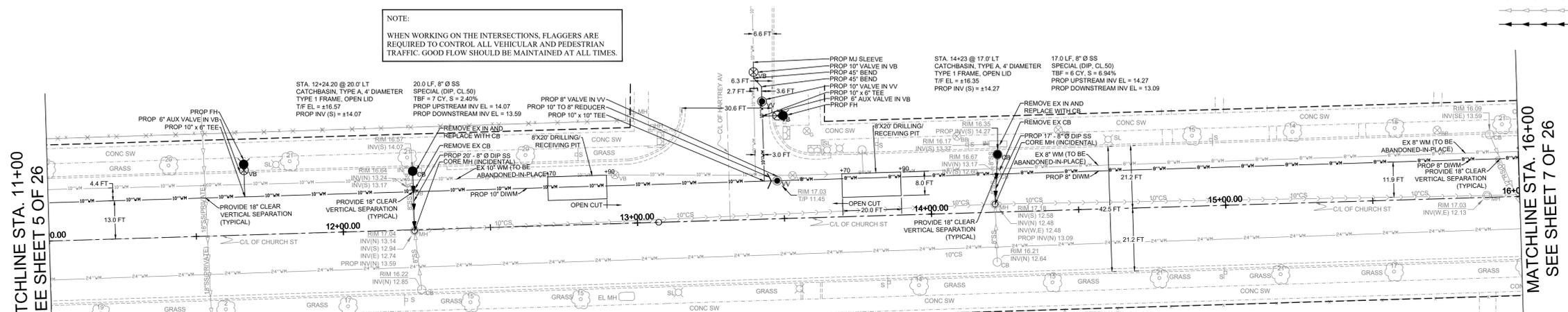
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## CHURCH STREET (ASPHALT OVER CONCRETE)

**EXISTING**



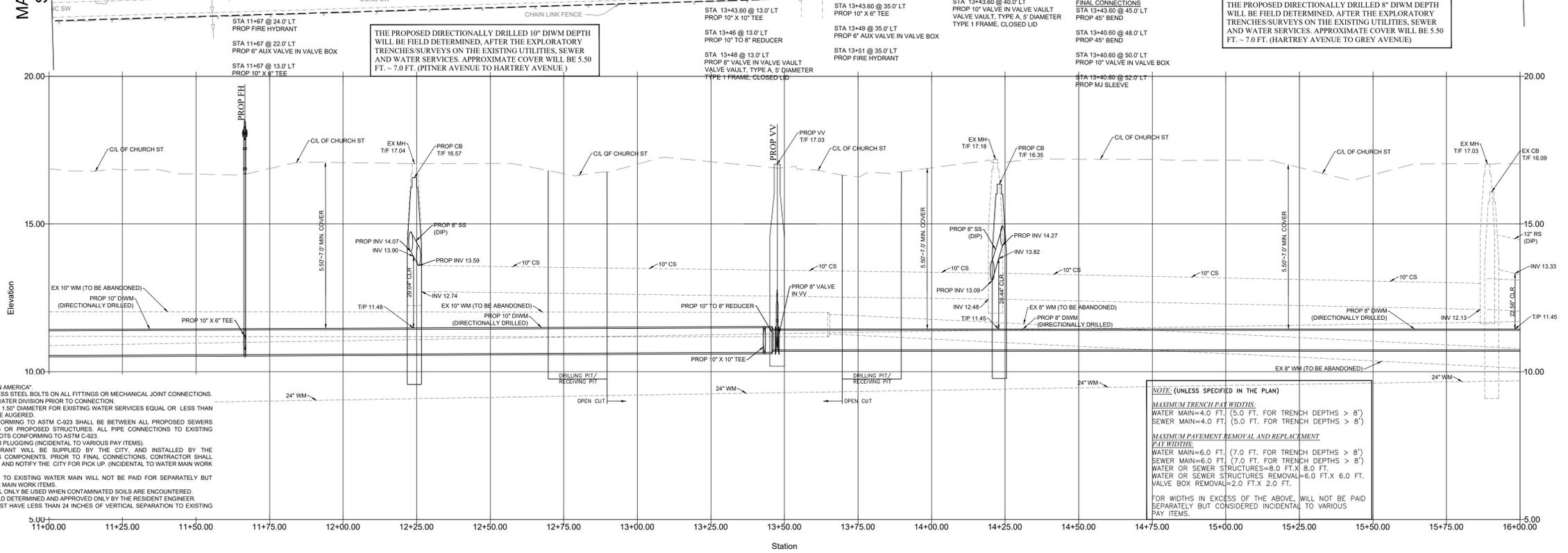
**PROPOSED**



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

**THE PROPOSED DIRECTIONALLY DRILLED 10" 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. (PITNER AVENUE TO HARTREY 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. (HARTREY AVENUE TO GREY AVENUE)**



- 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.

**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.

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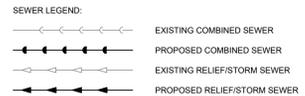
# CHURCH STREET (ASPHALT OVER CONCRETE) EXISTING

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.

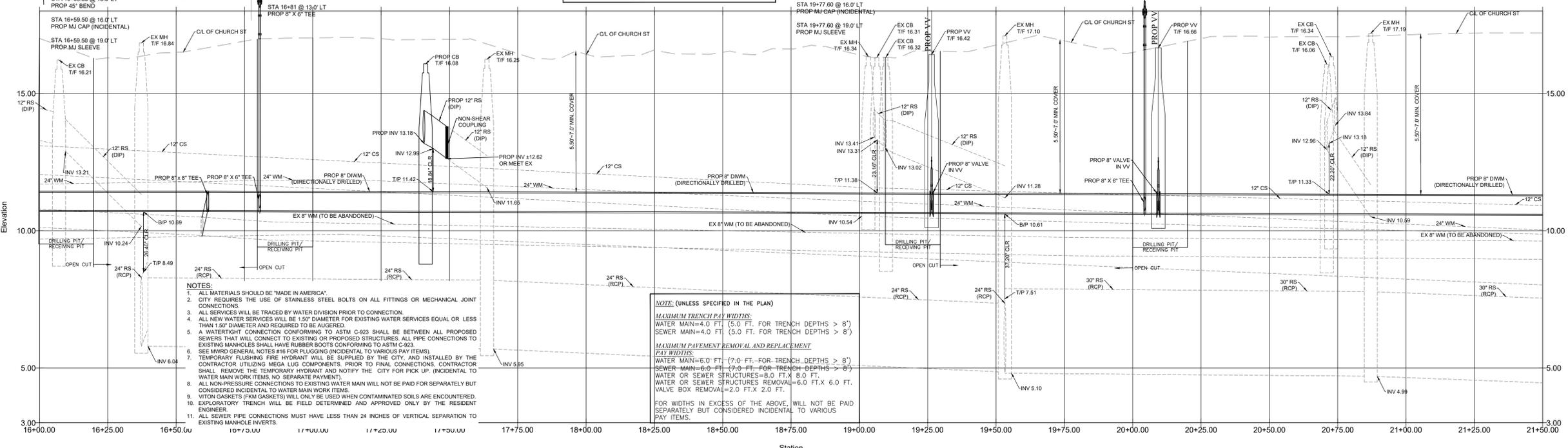


MATCHLINE STA. 16+00  
SEE SHEET 6 OF 26

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

NO.	DATE	REVISION
1		
2		
3		
4		





# CHURCH STREET (ASPHALT OVER BRICKS/MACADAM)

EXISTING

PROPOSED



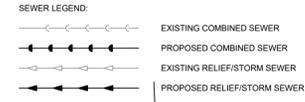
MATCHLINE STA. 27+00  
SEE SHEET 8 OF 26

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

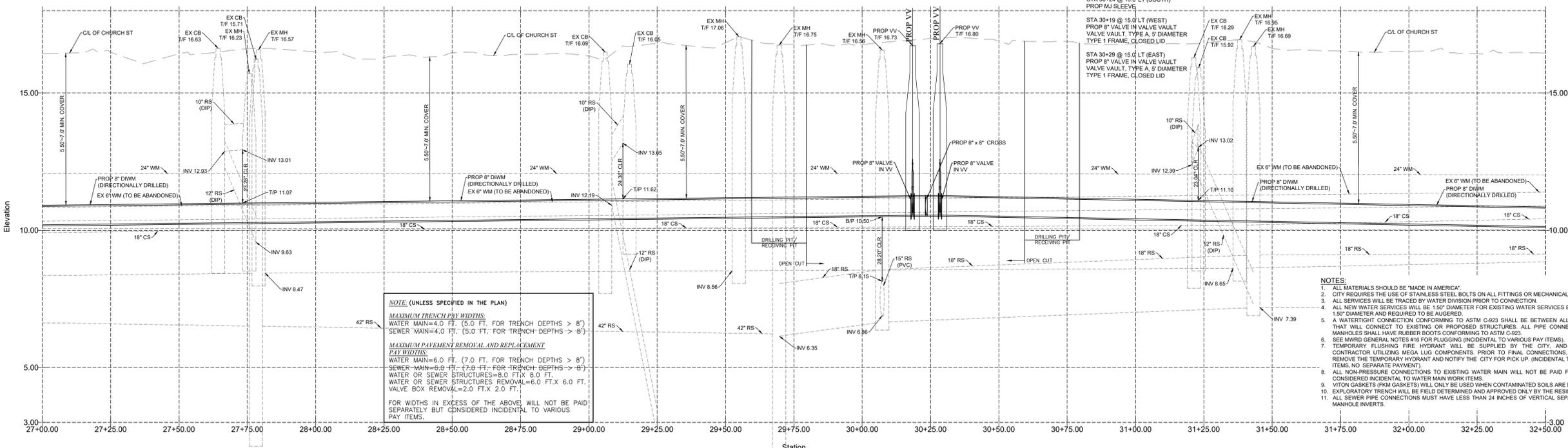
NOTE:  
WHEN WORKING ON THE INTERSECTIONS, FLAGGERS ARE  
REQUIRED TO CONTROL ALL VEHICULAR AND PEDESTRIAN  
TRAFFIC. GOOD FLOW SHOULD BE MAINTAINED AT ALL TIMES.



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, 6" DIAMETER  
TYPE 1 FRAME, CLOSED LID  
STA 30+29 @ 15' 0" LT (EAST)  
PROP 8" VALVE IN VALVE VAULT  
VALVE VAULT, TYPE A, 6" 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

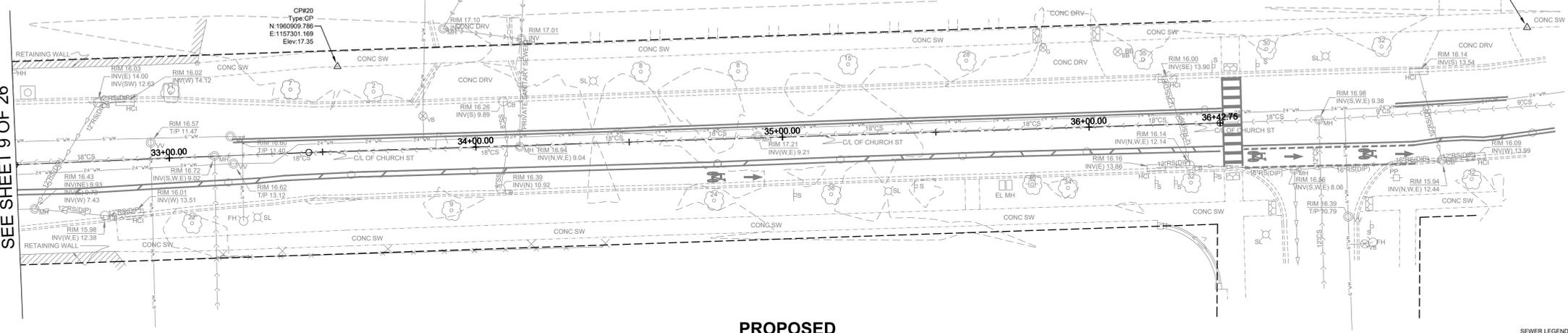
SCALE	1" = 20' H 1" = 2' V
PROJECT NUMBER:	PW-WM-2501
BID NUMBER:	26-04
ISSUED FOR:	BID
DATE:	12/08/2025
DESIGNED BY:	AA
DRAWN BY:	AA
CHECKED BY:	BN

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CHURCH STREET  
(ASPHALT OVER BRICKS/MACADAM)  
EXISTING

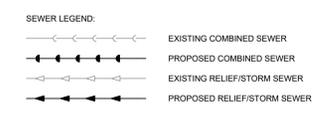


MATCHLINE STA. 32+50  
SEE SHEET 9 OF 26

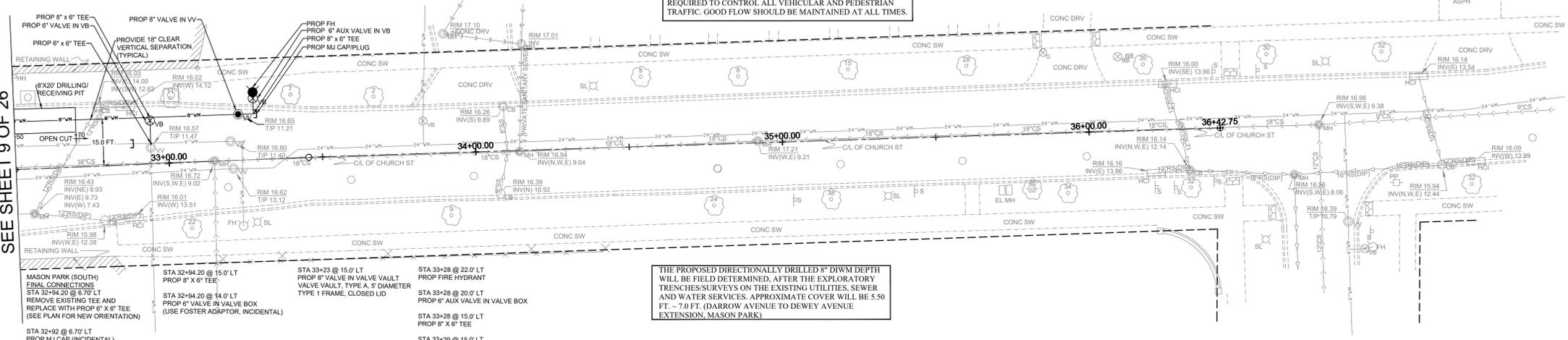


PROPOSED

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

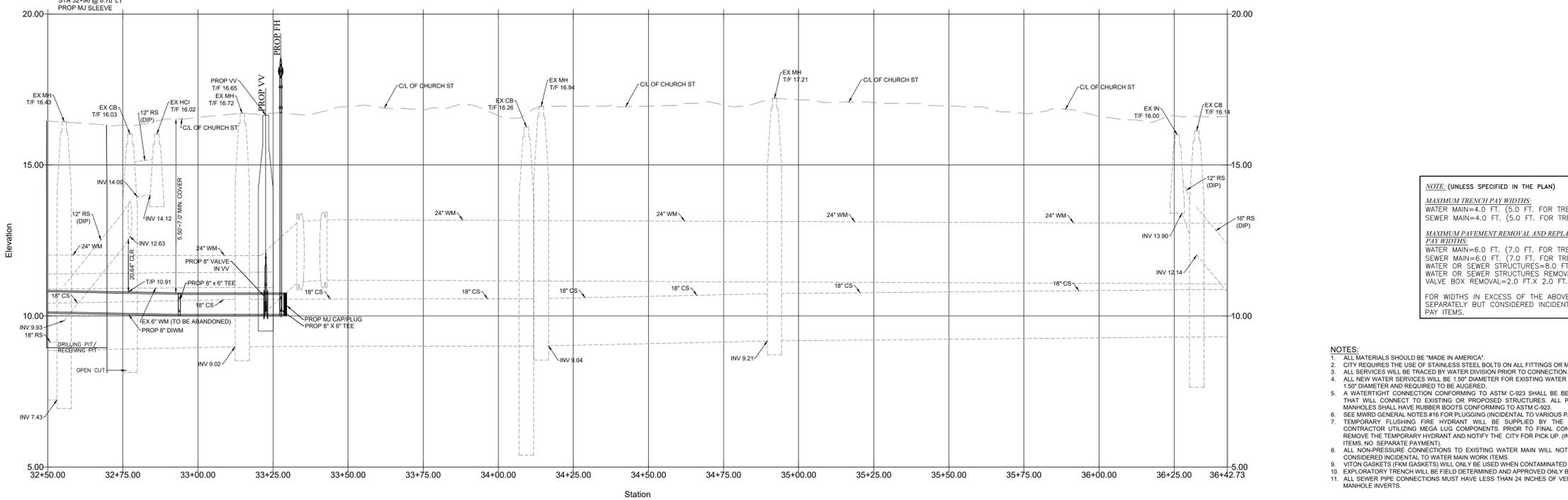


MATCHLINE STA. 32+50  
SEE SHEET 9 OF 26



THE PROPOSED DIRECTIONALLY DRILLED 8\"/>

MATCHLINE STA. 32+50  
SEE SHEET 9 OF 26



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

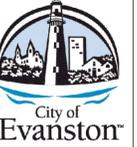
- NOTES:
1. ALL MATERIALS SHOULD BE "MADE IN AMERICA"
  2. CITY REQUIRES THE USE OF STAINLESS STEEL BOLTS ON ALL FITTINGS OR MECHANICAL JOINT CONNECTIONS.
  3. ALL SERVICES WILL BE TRACED BY WATER DIVISION PRIOR TO CONNECTION.
  4. ALL NEW WATER SERVICES WILL BE 1" DIAMETER FOR EXISTING WATER SERVICES 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 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.

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

CHURCH STREET  
(ASPHALT OVER CONCRETE)

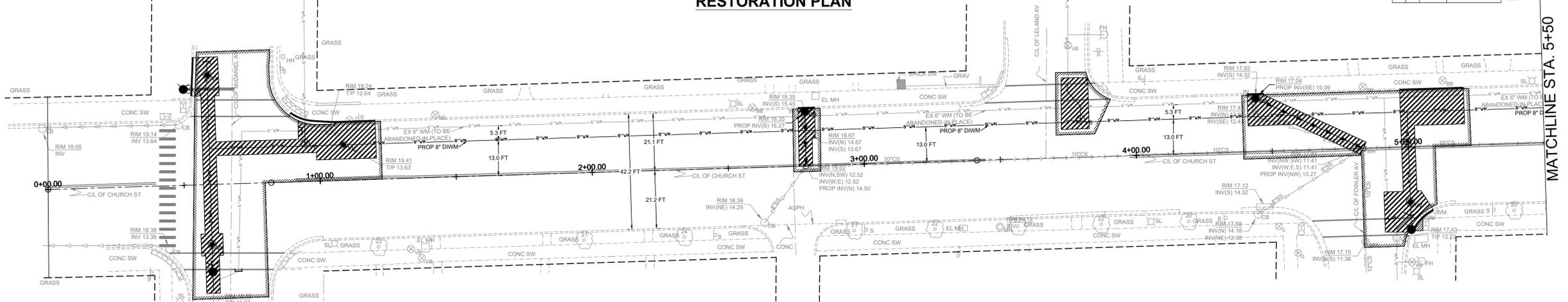
RESTORATION PLAN



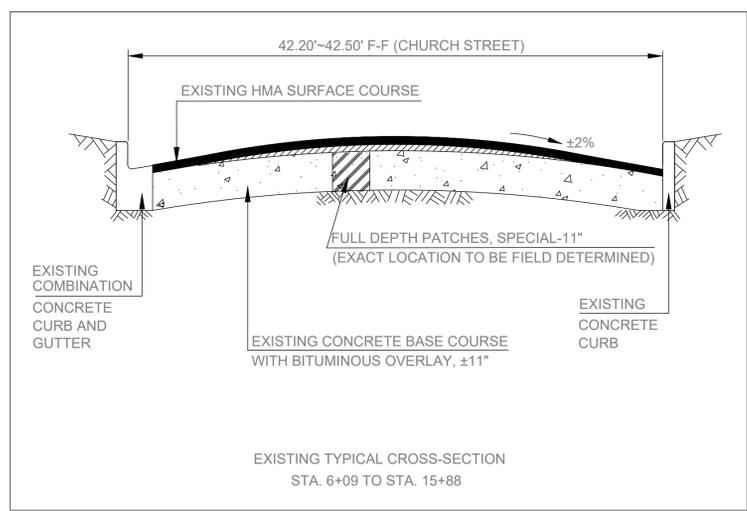
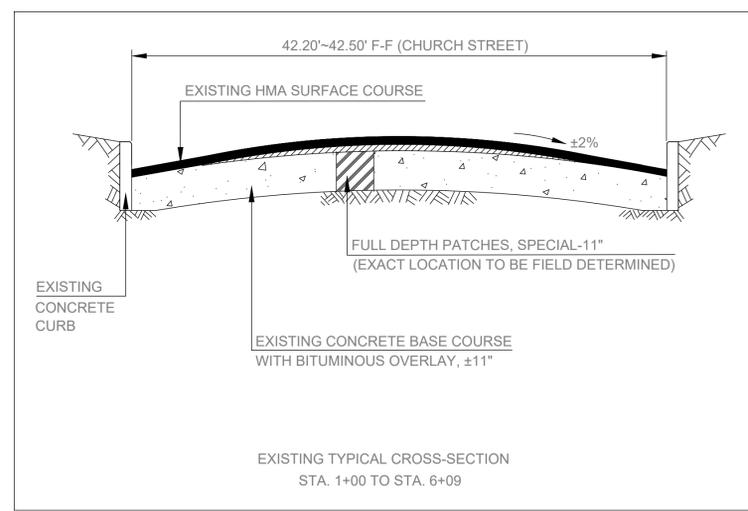
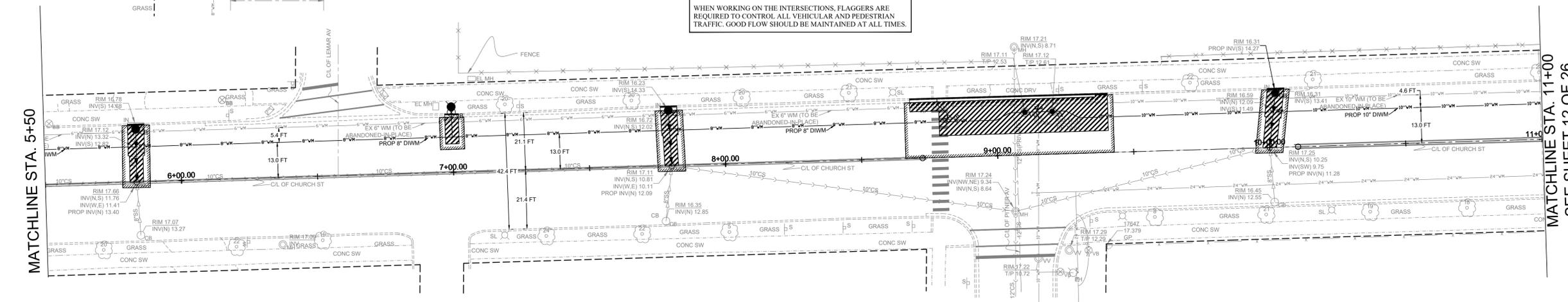
NO.	DATE	REVISION
1		
2		
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4		

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:

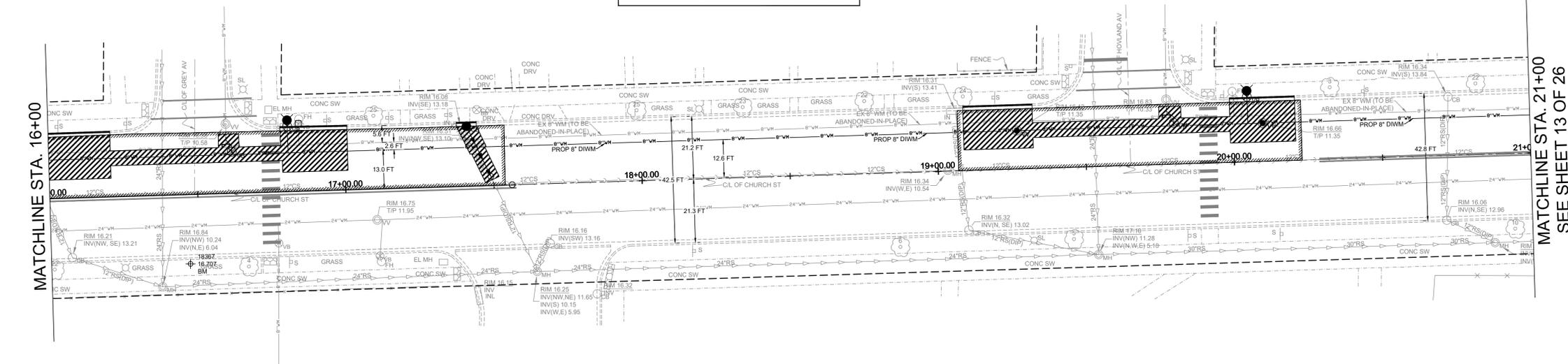
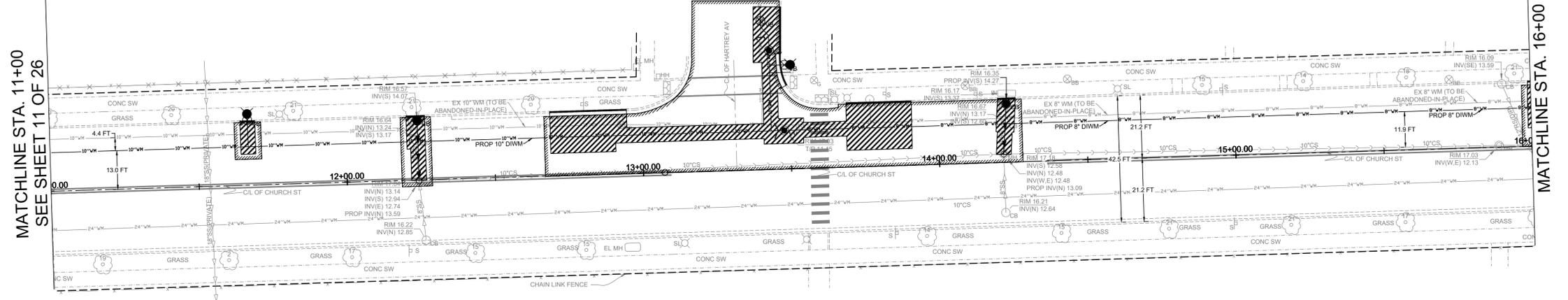
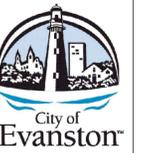
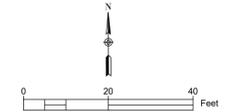
- FULL DEPTH PATCHES, SPECIAL ±11.0"
- REMOVAL AND REPLACEMENT OF ASPHALT SURFACES
- REMOVAL AND REPLACEMENT OF DRIVEWAYS
- REMOVAL AND REPLACEMENT OF SIDEWALKS
- PROPOSED DETECTABLE WARNINGS

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

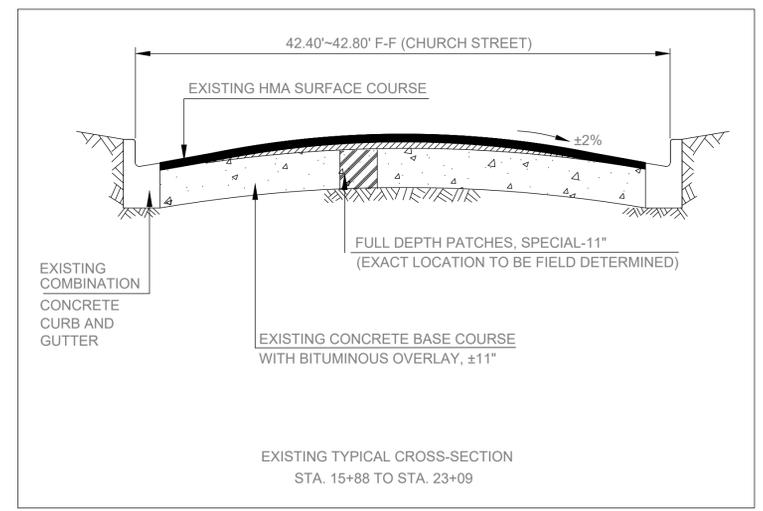
- (1.) TEMPORARY FENCE INSTALLATION AND EARTH SAWCUTS OF TREE ROOTS (ROOT PRUNING) WILL BE FIELD DETERMINED, PRIOR TO ANY REMOVAL OPERATIONS.
- (2.) CONTRACTOR WILL BE REQUIRED TO INSTALL SPEED HUMP SEPARATELY, AFTER SURFACE COURSE IS PLACED. SPEED HUMPS WILL BE PAID FOR AT THE CONTRACT UNIT PRICE PER 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:

- 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.
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- (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
1		
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2026 CHURCH STREET (McDANIEL-FLORENCE)  
WATER MAIN IMPROVEMENTS PROJECT  
RESTORATION PLAN

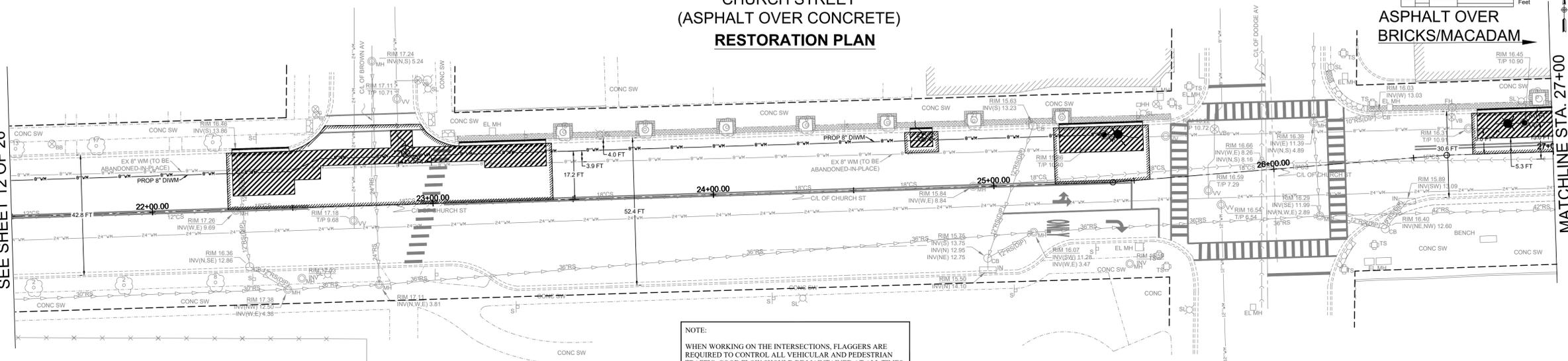
SCALE 1" = 20' H 1" = 2' V
PROJECT NUMBER: PW-WM-2501
BID NUMBER: 26-04
ISSUED FOR: BID
DATE: 12/08/2025
DESIGNED BY: AA
DRAWN BY: AA
CHECKED BY: BN

CHURCH STREET  
(ASPHALT OVER CONCRETE)  
RESTORATION PLAN

ASPHALT OVER  
BRICKS/MACADAM

MATCHLINE STA. 21+50  
SEE SHEET 12 OF 26

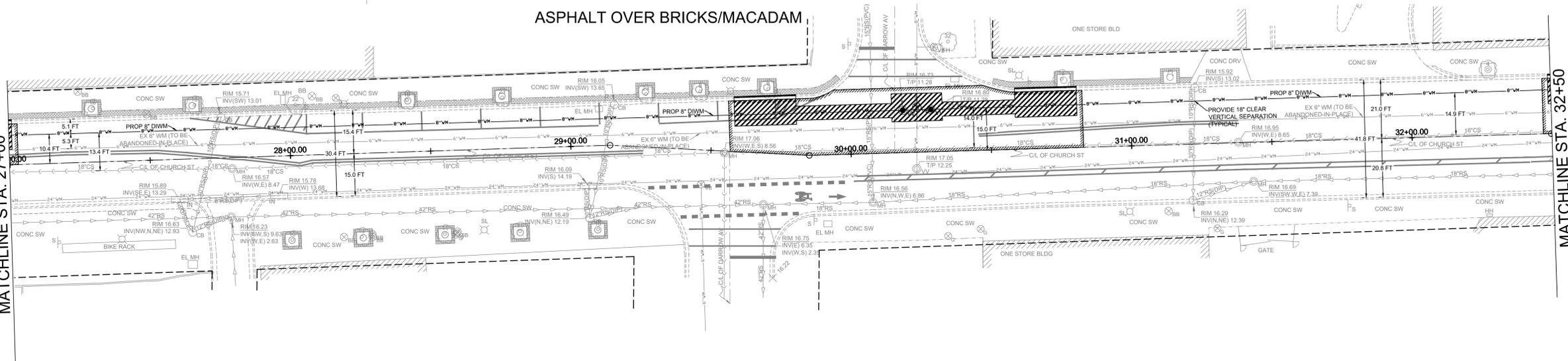
MATCHLINE STA. 27+00



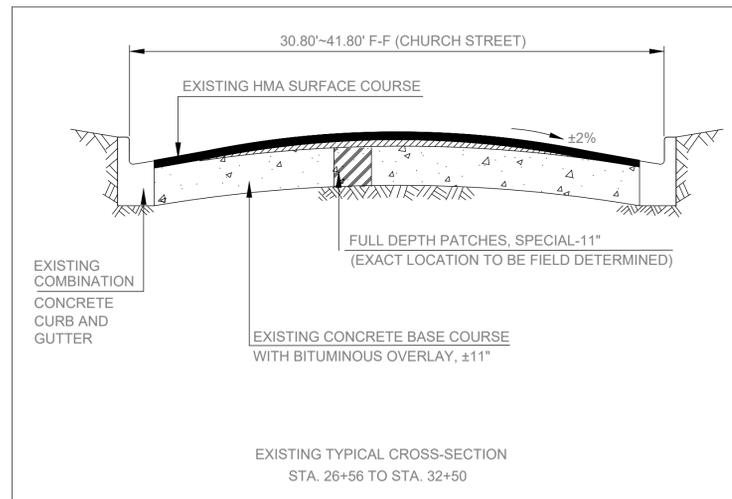
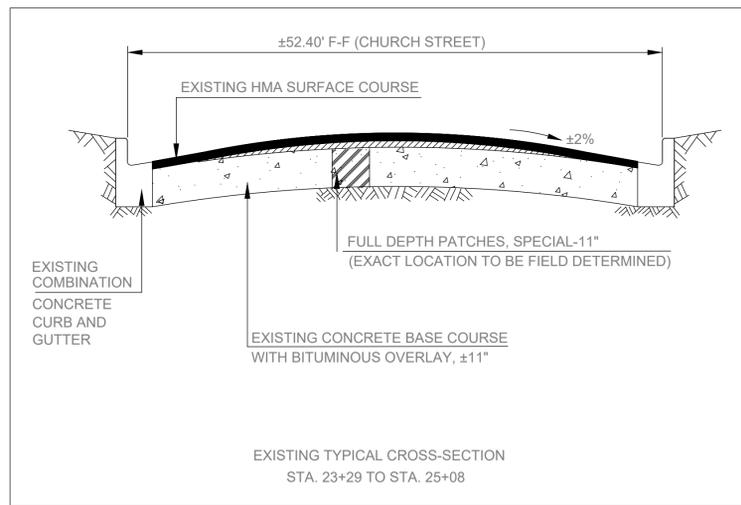
ASPHALT OVER BRICKS/MACADAM

MATCHLINE STA. 27+00

MATCHLINE STA. 32+50  
SEE SHEET 14 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.



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

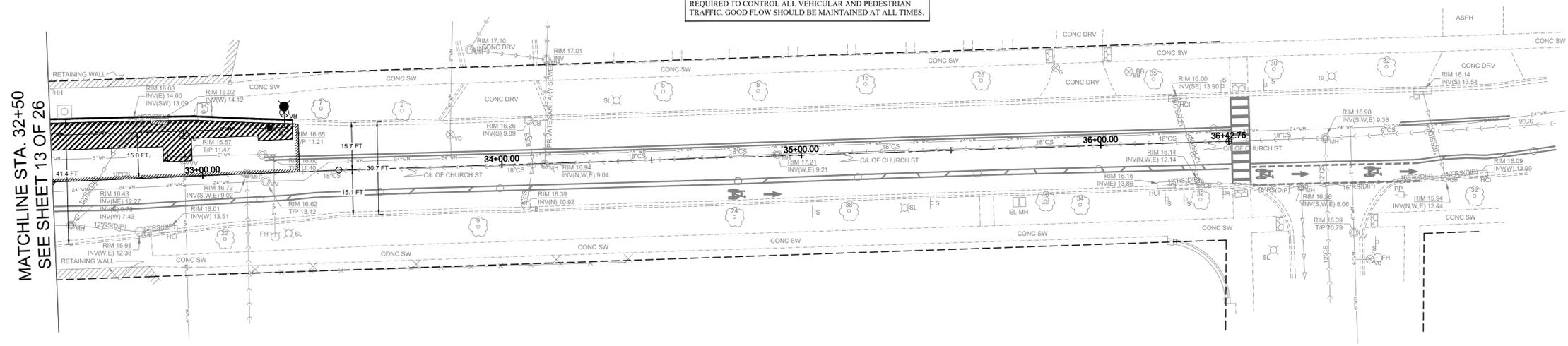
CHECKED BY: BN

SHEET  
13 OF 26

**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.

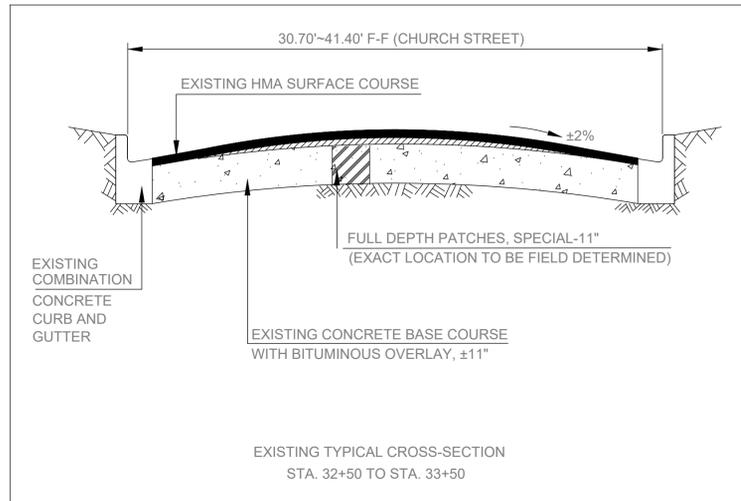


MATCHLINE STA. 32+50  
SEE SHEET 13 OF 26

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

**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.

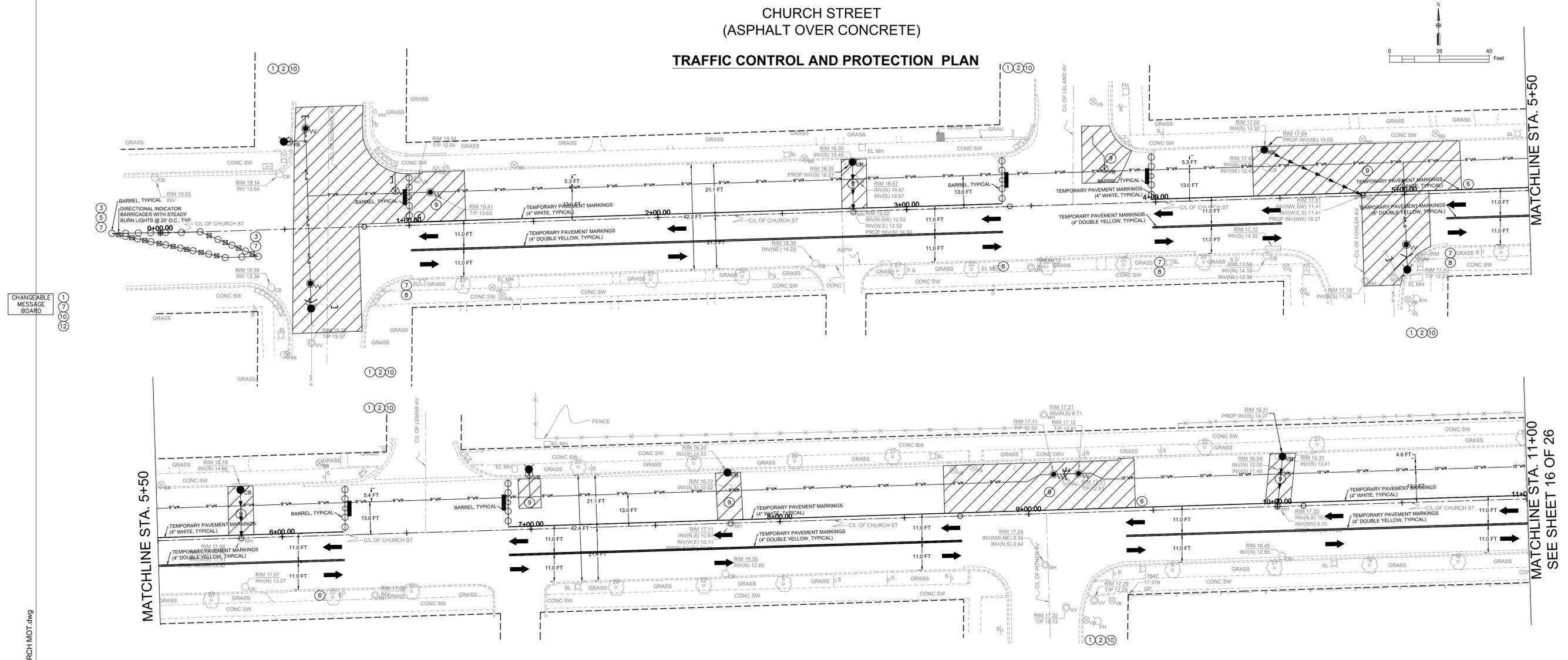
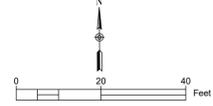
NO.	DATE	REVISION
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**2026 CHURCH STREET (McDANIEL-FLORENCE)  
WATER MAIN IMPROVEMENTS PROJECT  
RESTORATION PLAN**

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 CONCRETE)

TRAFFIC CONTROL AND PROTECTION PLAN



CHANGEABLE MESSAGE BOARD

MATCHLINE STA. 5+50

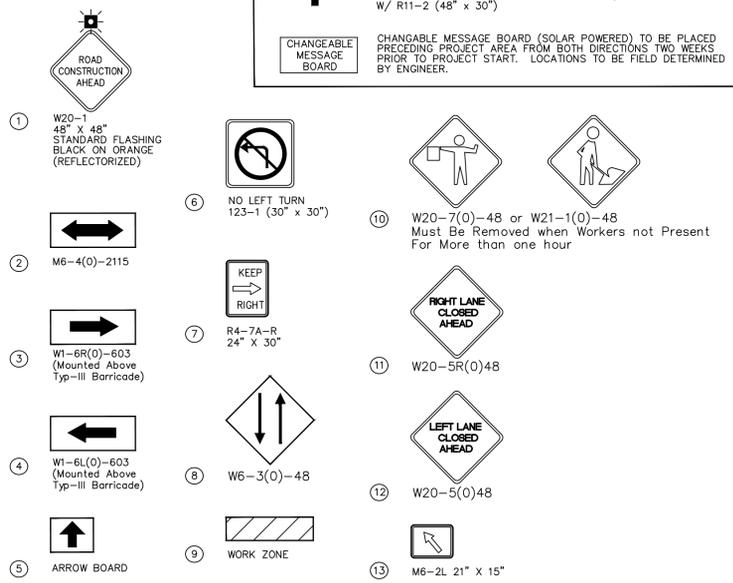
MATCHLINE STA. 11+00  
SEE SHEET 16 OF 26

MAINTENANCE OF TRAFFIC NOTES:

1. ALL SIGNING SHALL BE RETROREFLECTIVE AND BE IN NEW OR LIKE NEW CONDITION
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.
4. ADDITIONAL SIGNING AND/OR BARRICADES DEEMED NECESSARY BY THE ENGINEER SHALL BE PROVIDED AND INSTALLED AT NO ADDITIONAL COST.
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 702001) W/ R11-2 (48" x 30")

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.



HIGHWAY STANDARDS

NUMBER	DESCRIPTION
000001-08	STANDARD SYMBOLS, ABBREVIATIONS, & PATTERNS
701101-05	OFF-ROAD OPERATIONS, MULTILANE 15' (4.5M)) TO 24' (600 MM) FROM PAVEMENT EDGE
701311-03	LANE CLOSURES 2L, 2W, MOVING OPERATIONS- DAY ONLY
701427-05	LANE CLOSURE, MULTILANE, INTERMITTENT OR MOVING OPERATIONS FOR SPEEDS > 45MPH
701606-10	URBAN LANE CLOSURES, MULTILANE, 2 WAY WITH MOUNTABLE MEDIAN
701611-01	URBAN HALF ROAD CLOSURE, MULTILANE, 2W WITH MOUNTABLE MEDIAN
701501-06	URBAN LANE CLOSURE 2 LANE / 2 WAY - UNDIVIDED
701701-10	URBAN LANE CLOSURE MULTI LANE INTERSECTION
701801-06	LANE CLOSURE MULTI LANE 1 OR 2 WAY + CROSSWALK OR SW CLOSURE
701901-10	TRAFFIC CONTROL DEVICES
729001-01	APPLICATIONS OF TYPES A & B METAL POSTS (FOR SIGNS & MARKERS)
780001-05	TYPICAL PAVEMENT MARKINGS

DISTRICT 1 DETAILS

NUMBER	DESCRIPTION
TC-10	TRAFFIC PROTECTION FOR SIDE ROADS, INTERSECTIONS AND DRIVEWAYS
TC-11	TYPICAL APPLICATIONS, RAISED REFLECTIVE PAVEMENT MARKERS (SNOW-PLOW RESISTANT)
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

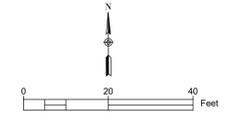
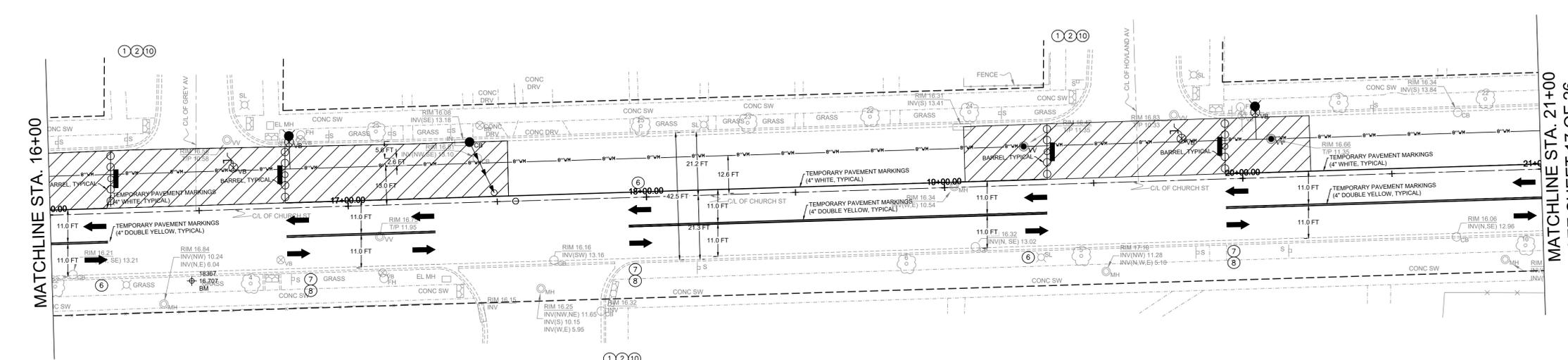
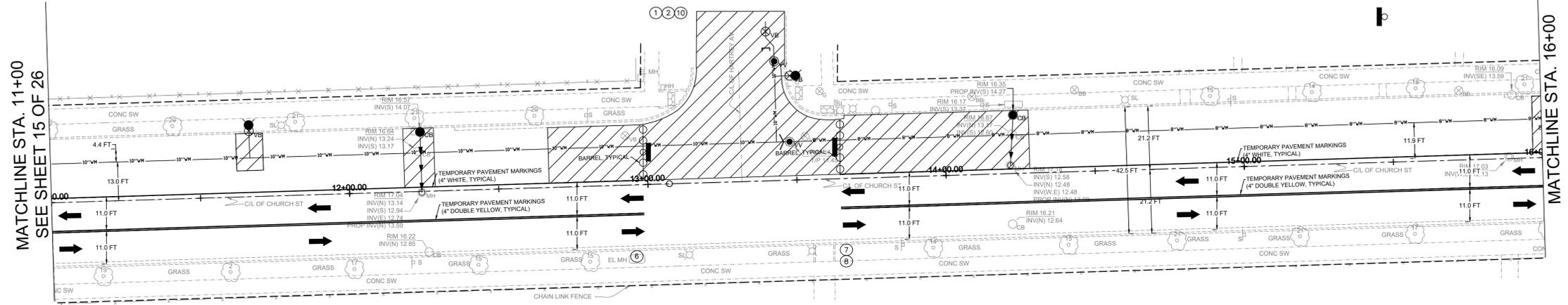
2026 CHURCH STREET (McDANIEL-FLORENCE)  
WATER MAIN IMPROVEMENTS PROJECT  
TRAFFIC CONTROL AND PROTECTION PLAN

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

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CHURCH STREET  
(ASPHALT OVER CONCRETE)

TRAFFIC CONTROL AND PROTECTION PLAN



NO.	DATE	REVISION
1		
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2026 CHURCH STREET (McDANIEL-FLORENCE)  
WATER MAIN IMPROVEMENTS PROJECT  
TRAFFIC CONTROL AND PROTECTION 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

MAINTENANCE OF TRAFFIC NOTES:

- ALL SIGNING SHALL BE RETROREFLECTIVE AND BE IN NEW OR LIKE NEW CONDITION
- 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.
- THE SIZES OF ALL SIGNS NOT SPECIFIED IN THESE PLANS SHALL BE AS REQUIRED BY THE ILLINOIS MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES.
- ADDITIONAL SIGNING AND/OR BARRICADES DEEMED NECESSARY BY THE ENGINEER SHALL BE PROVIDED AND INSTALLED AT NO ADDITIONAL COST.
- 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.
- ACCESS FOR RESIDENTS SHALL BE MAINTAINED AT ALL TIMES.
- 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 702001) W/ R11-2 (48" x 30")

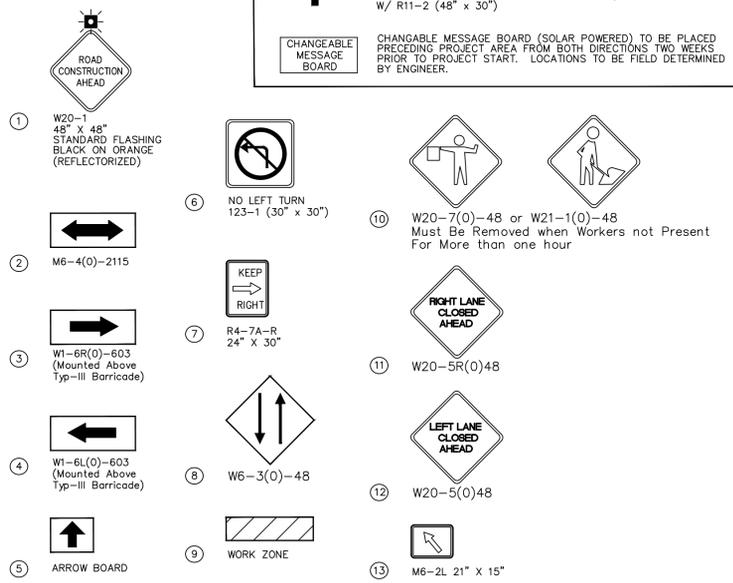
CHANGEABLE MESSAGE BOARD (SOLAR POWERED) TO BE PLACED PRECEDING PROJECT AREA FROM BOTH DIRECTIONS TWO WEEKS PRIOR TO PROJECT START. LOCATIONS TO BE FIELD DETERMINED BY ENGINEER.

HIGHWAY STANDARDS

NUMBER	DESCRIPTION
000001-08	STANDARD SYMBOLS, ABBREVIATIONS, & PATTERNS
701101-05	OFF-ROAD OPERATIONS, MULTILANE 15' (4.5M)) TO 24' (600 MM) FROM PAVEMENT EDGE
701311-03	LANE CLOSURES 2L, 2W, MOVING OPERATIONS- DAY ONLY
701427-05	LANE CLOSURE, MULTILANE, INTERMITTENT OR MOVING OPERATIONS FOR SPEEDS > 45MPH
701606-10	URBAN LANE CLOSURES, MULTILANE, 2 WAY WITH MOUNTABLE MEDIAN
701611-01	URBAN HALF ROAD CLOSURE, MULTILANE, 2W WITH MOUNTABLE MEDIAN
701501-06	URBAN LANE CLOSURE 2 LANE / 2 WAY - UNDIVIDED
701701-10	URBAN LANE CLOSURE MULTI LANE INTERSECTION
701801-06	LANE CLOSURE MULTI LANE 1 OR 2 WAY + CROSSWALK OR SW CLOSURE
701901-10	TRAFFIC CONTROL DEVICES
729001-01	APPLICATIONS OF TYPES A & B METAL POSTS (FOR SIGNS & MARKERS)
780001-05	TYPICAL PAVEMENT MARKINGS

DISTRICT 1 DETAILS

NUMBER	DESCRIPTION
TC-10	TRAFFIC PROTECTION FOR SIDE ROADS, INTERSECTIONS AND DRIVEWAYS
TC-11	TYPICAL APPLICATIONS, RAISED REFLECTIVE PAVEMENT MARKERS (SNOW-PLOW RESISTANT)
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



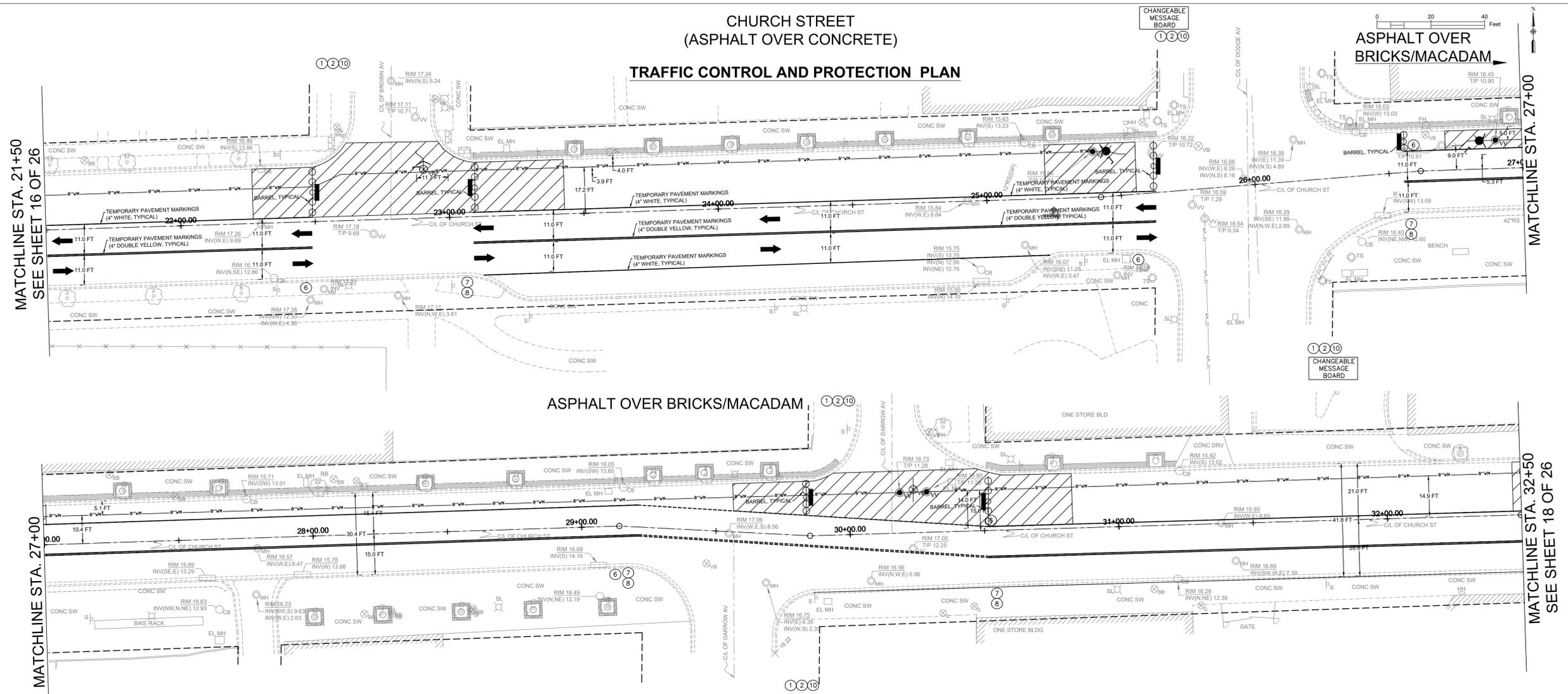
NO.	DATE	REVISION
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**2026 CHURCH STREET (McDANIEL-FLORENCE)  
 WATER MAIN IMPROVEMENTS PROJECT  
 TRAFFIC CONTROL AND PROTECTION PLAN**

<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

**CHURCH STREET  
(ASPHALT OVER CONCRETE)**

**TRAFFIC CONTROL AND PROTECTION PLAN**



**ASPHALT OVER BRICKS/MACADAM**

**MAINTENANCE OF TRAFFIC NOTES:**

- ALL SIGNING SHALL BE RETROREFLECTIVE AND BE IN NEW OR LIKE NEW CONDITION
- 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.
- THE SIZES OF ALL SIGNS NOT SPECIFIED IN THESE PLANS SHALL BE AS REQUIRED BY THE ILLINOIS MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES.
- ADDITIONAL SIGNING AND/OR BARRICADES DEEMED NECESSARY BY THE ENGINEER SHALL BE PROVIDED AND INSTALLED AT NO ADDITIONAL COST.
- 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.
- ACCESS FOR RESIDENTS SHALL BE MAINTAINED AT ALL TIMES.
- 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 702001) W/ R11-2 (48" x 30")**

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.

- |   |                                  |  |
|---|----------------------------------|--|
| ① W20-1 48" X 48" STANDARD FLASHING BLACK ON ORANGE (REFLECTORIZED) | ⑥ NO LEFT TURN 123-1 (30" x 30") | ⑩ W20-7(0)-48 or W21-1(0)-48 Must Be Removed when Workers not Present For More than one hour |
| ② M6-4(0)-2115  | ⑦ R4-7A-R 24" X 30"              | ⑪ W20-5R(0)48  |
| ③ W1-6R(0)-603 (Mounted Above Typ-III Barricade)                    | ⑧ W6-3(0)-48                     | ⑫ W20-5(0)48   |
| ④ W1-6L(0)-603 (Mounted Above Typ-III Barricade)                    | ⑨ WORK ZONE                      | ⑬ M6-2L 21" X 15"  |
| ⑤ ARROW BOARD   |                                  |  |

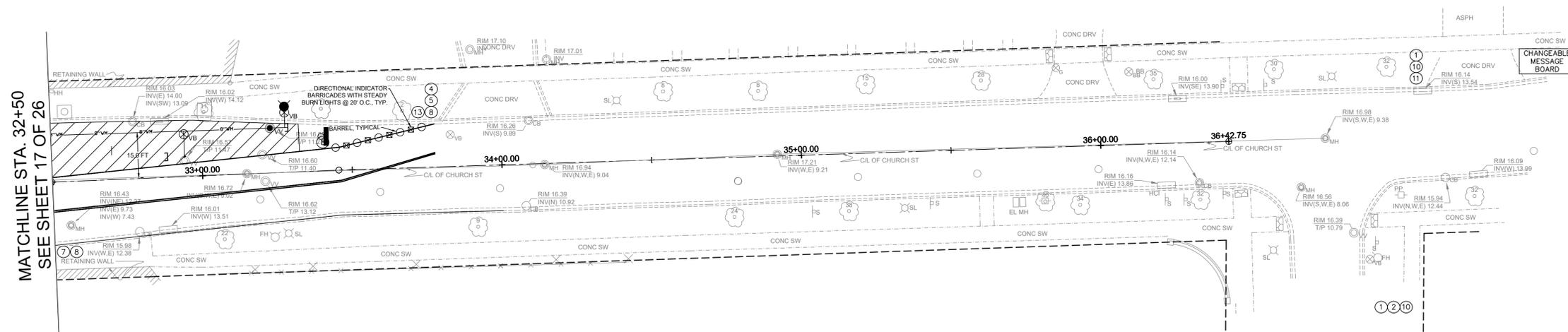
**HIGHWAY STANDARDS**

NUMBER	DESCRIPTION
000001-08	STANDARD SYMBOLS, ABBREVIATIONS, & PATTERNS
701101-05	OFF-ROAD OPERATIONS, MULTILANE 15' (4.5M)) TO 24' (600 MM) FROM PAVEMENT EDGE
701311-03	LANE CLOSURES 2L, 2W, MOVING OPERATIONS- DAY ONLY
701427-05	LANE CLOSURE, MULTILANE, INTERMITTENT OR MOVING OPERATIONS FOR SPEEDS > 45MPH
701606-10	URBAN LANE CLOSURES, MULTILANE, 2 WAY WITH MOUNTABLE MEDIAN
701611-01	URBAN HALF ROAD CLOSURE, MULTILANE, 2W WITH MOUNTABLE MEDIAN
701501-06	URBAN LANE CLOSURE 2 LANE / 2 WAY - UNDIVIDED
701701-10	URBAN LANE CLOSURE MULTI LANE INTERSECTION
701801-06	LANE CLOSURE MULTI LANE 1 OR 2 WAY + CROSSWALK OR SW CLOSURE
701901-10	TRAFFIC CONTROL DEVICES
729001-01	APPLICATIONS OF TYPES A & B METAL POSTS (FOR SIGNS & MARKERS)
780001-05	TYPICAL PAVEMENT MARKINGS

**DISTRICT 1 DETAILS**

NUMBER	DESCRIPTION
TC-10	TRAFFIC PROTECTION FOR SIDE ROADS, INTERSECTIONS AND DRIVEWAYS
TC-11	TYPICAL APPLICATIONS, RAISED REFLECTIVE PAVEMENT MARKERS (SNOW-PLOW RESISTANT)
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

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



MATCHLINE STA. 32+50  
SEE SHEET 17 OF 26

**MAINTENANCE OF TRAFFIC NOTES:**

1. ALL SIGNING SHALL BE RETROREFLECTIVE AND BE IN NEW OR LIKE NEW CONDITION
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.
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4. ADDITIONAL SIGNING AND/OR BARRICADES DEEMED NECESSARY BY THE ENGINEER SHALL BE PROVIDED AND INSTALLED AT NO ADDITIONAL COST.
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

 ① W20-1 48" X 48" STANDARD FLASHING BLACK ON ORANGE (REFLECTORIZED)	 ⑥ NO LEFT TURN 123-1 (30" x 30")	 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.
 ② M6-4(0)-2115	 ⑦ R4-7A-R 24" X 30"	 ⑩ W20-7(0)-48 or W21-1(0)-48 Must Be Removed when Workers not Present For More than one hour
 ③ W1-6R(0)-603 (Mounted Above Typ-III Barricade)	 ⑦ R4-7A-R 24" X 30"	 ⑪ W20-5R(0)48
 ④ W1-6L(0)-603 (Mounted Above Typ-III Barricade)	 ⑧ W6-3(0)-48	 ⑫ W20-5(0)48
 ⑤ ARROW BOARD	 ⑨ WORK ZONE	 ⑬ M6-2L 21" X 15"

**HIGHWAY STANDARDS**

NUMBER	DESCRIPTION
000001-08	STANDARD SYMBOLS, ABBREVIATIONS, & PATTERNS
701101-05	OFF-ROAD OPERATIONS, MULTILANE 15' (4.5M)) TO 24' (600 MM) FROM PAVEMENT EDGE
701311-03	LANE CLOSURES 2L, 2W, MOVING OPERATIONS- DAY ONLY
701427-05	LANE CLOSURE, MULTILANE, INTERMITTENT OR MOVING OPERATIONS FOR SPEEDS > 45MPH
701606-10	URBAN LANE CLOSURES, MULTILANE, 2 WAY WITH MOUNTABLE MEDIAN
701611-01	URBAN HALF ROAD CLOSURE, MULTILANE, 2W WITH MOUNTABLE MEDIAN
701501-06	URBAN LANE CLOSURE 2 LANE / 2 WAY - UNDIVIDED
701701-10	URBAN LANE CLOSURE MULTI LANE INTERSECTION
701801-06	LANE CLOSURE MULTI LANE 1 OR 2 WAY + CROSSWALK OR SW CLOSURE
701901-10	TRAFFIC CONTROL DEVICES
729001-01	APPLICATIONS OF TYPES A & B METAL POSTS (FOR SIGNS & MARKERS)
780001-05	TYPICAL PAVEMENT MARKINGS

**DISTRICT 1 DETAILS**

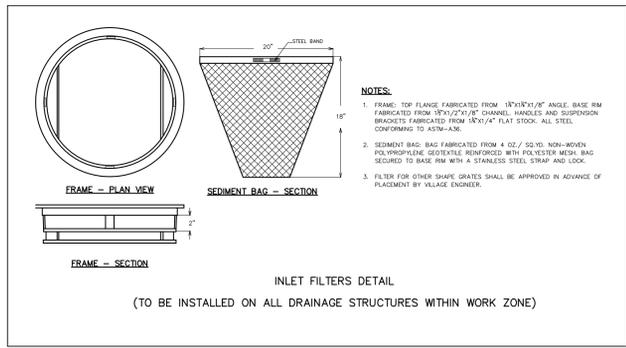
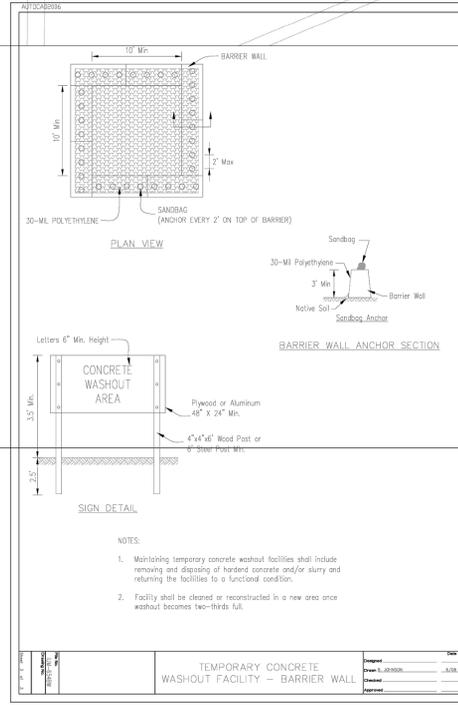
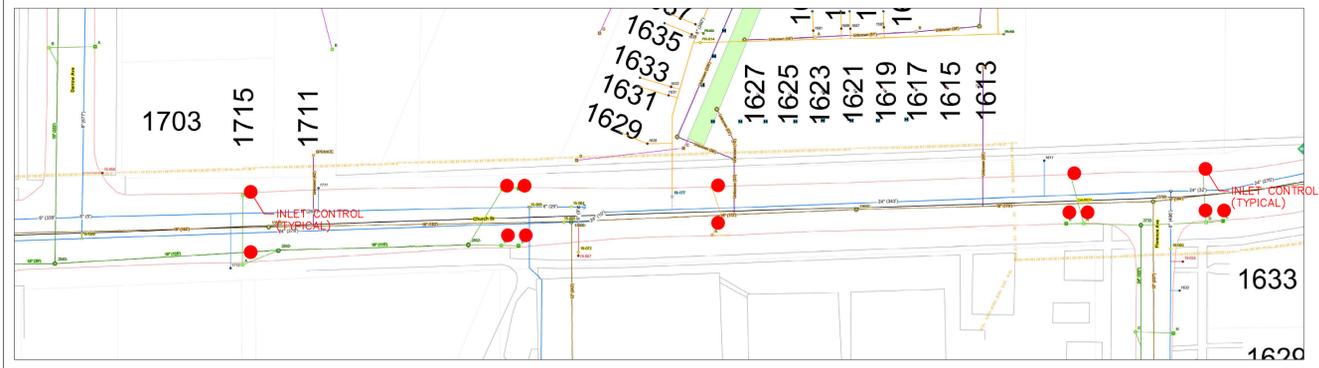
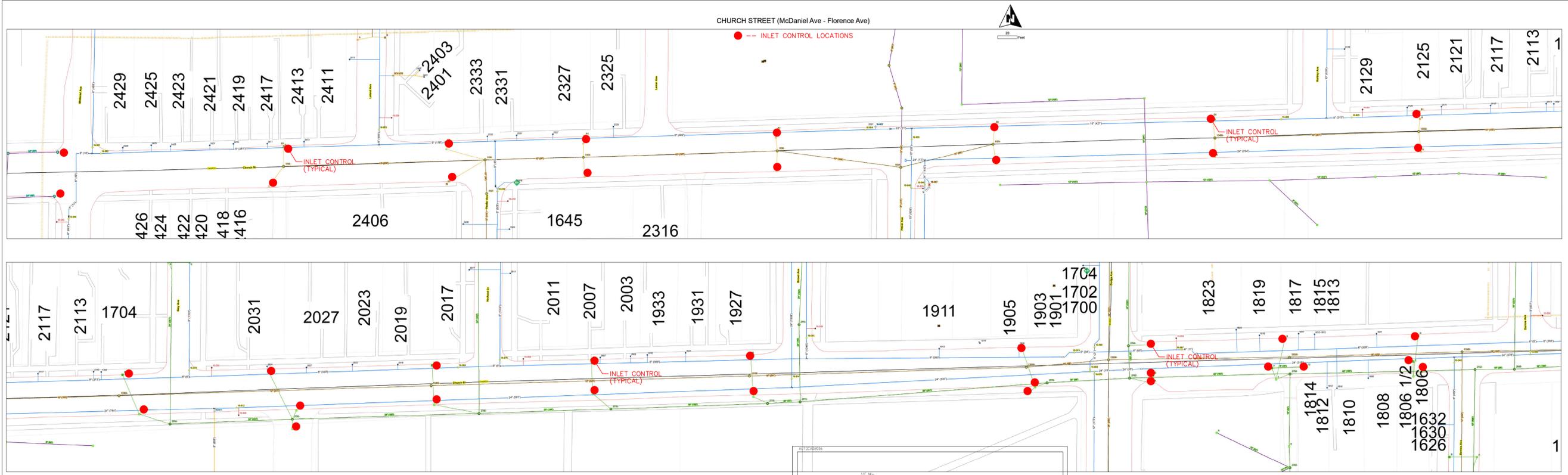
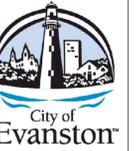
NUMBER	DESCRIPTION
TC-10	TRAFFIC PROTECTION FOR SIDE ROADS, INTERSECTIONS AND DRIVEWAYS
TC-11	TYPICAL APPLICATIONS, RAISED REFLECTIVE PAVEMENT MARKERS (SNOW-PLOW RESISTANT)
TC-13	DISTRICT ON TYPICAL PAVEMENT MARKINGS
TC-14	TRAFFIC CONTROL AND PROTECTION AT TURN BAYS (TO REMAIN OPEN TO TRAFFIC)
TC-26	DRIVEWAY ENTRANCE SIGNING

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

NO.	DATE	NO.	REVISION
1			
2			
3			
4			

<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> <b>18 OF 26</b>

# 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:

- 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.
- Best Management Practices**
  - 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.
  - 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.
  - 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.
  - Excavated soil stockpile locations shall be limited to within the construction site.
  - On-site equipment and material staging and storage areas shall be limited to locations within the construction site.
  - Construction vehicle access shall be limited to defined connections to/from the adjacent streets.
  - Soil, mud or debris deposited, tracked or washed on the adjacent streets shall be removed daily.
  - Water pumped or otherwise discharged from the work site during dewatering operations shall be filtered to minimize the off-site discharge of suspended solids.
  - 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. Invert 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. Invert 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 <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>19 OF 26</b>

X:\Public Works\Engineering\FY 2026 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**

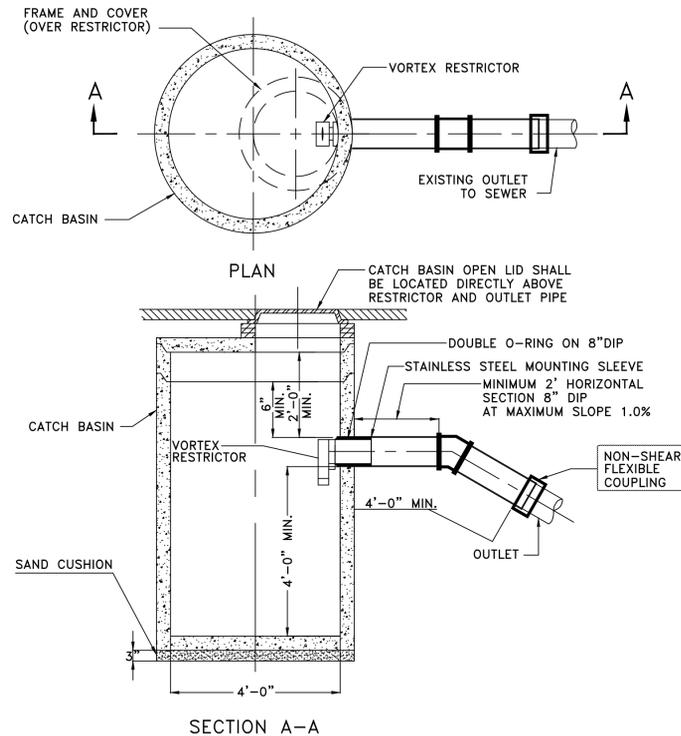
WHERE EXTRA STRENGTH CLAY PIPE (E.S.V.C.P.) IS CALLED FOR ON THE CONTRACT PLANS, IT SHALL BE IN CONFORMANCE WITH:

**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



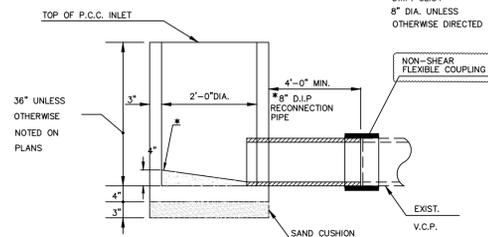
SPECIFICATION REFERENCE: SECTION 602

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

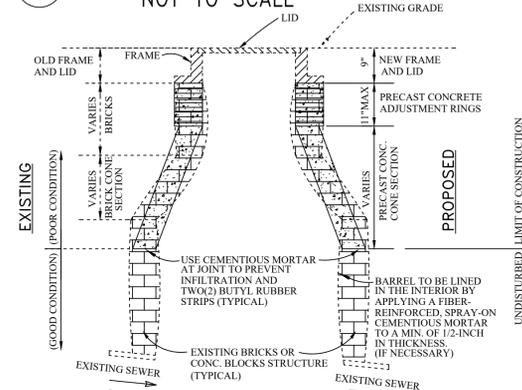


- \* 1) PREFORMED TAPERED BOTTOM SHALL BE FURNISHED AT ALL END OF RUN INLETS
- 2) PROVIDE NON-SHRINK CONCRETE COLLAR AROUND BOOTED PIPE AND BENCH

SPECIFICATION REFERENCE: SECTION 602

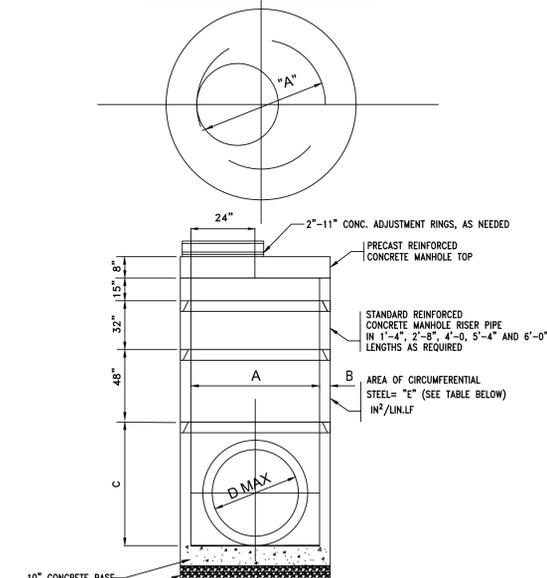
NOTE: All inlet and outlet pipes of sanitary sewer manholes and other underground structures (and in combined sewer areas, also all combined storm sewer manholes, catch basins, inlets, and underground detention storage structures) shall be joined with watertight flexible rubber connections, conforming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



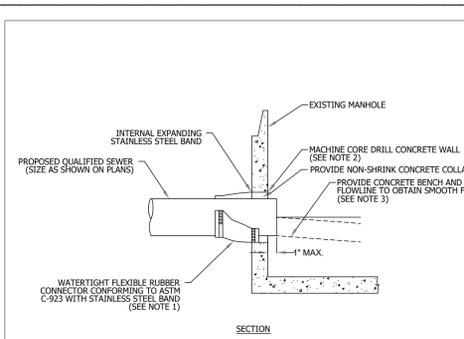
NOTE: All inlet and outlet pipes of sanitary sewer manholes and other underground structures (and in combined sewer areas, also all combined storm sewer manholes, catch basins, inlets, and underground detention storage structures) shall be joined with watertight flexible rubber connections, conforming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

## 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.

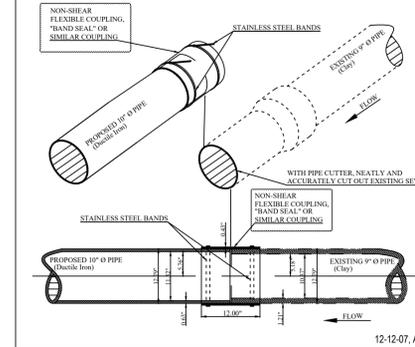
NOTE: All inlet and outlet pipes of sanitary sewer manholes and other underground structures (and in combined sewer areas, also all combined storm sewer manholes, catch basins, inlets, and underground detention storage structures) shall be joined with watertight flexible rubber connections, conforming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



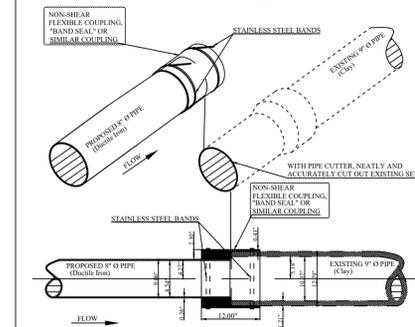
- NOTES:
- 1. RESILIENT CONNECTOR COMPLYING WITH ASTM STANDARD C-923 (MOST RECENT EDITION) SHALL BE USED.
- 2. MACHINE CORE/DRILL CIRCULAR OPENING IN STRUCTURE WALL. OPENING DIAMETER TO FIT THE REQUIRED RESILIENT CONNECTOR PER MANUFACTURER'S RECOMMENDATION.
- 3. CUT, SHAPE, AND SLOPE NEW INVERT CHANNEL 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

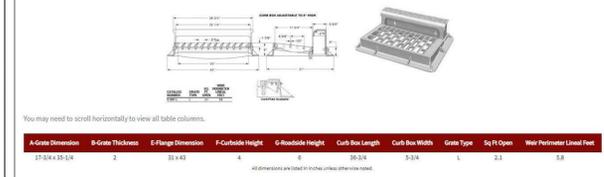
## NEW 10" Ø PIPE TO EXISTING 9" Ø PIPE TYPICAL CONNECTION DETAIL NOT TO SCALE



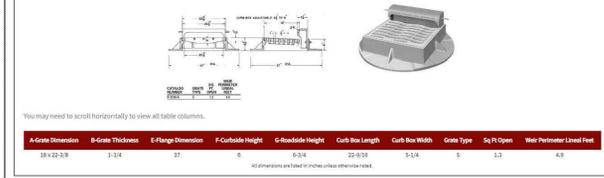
## NEW 8" Ø PIPE TO EXISTING 9" Ø PIPE TYPICAL CONNECTION DETAIL NOT TO SCALE



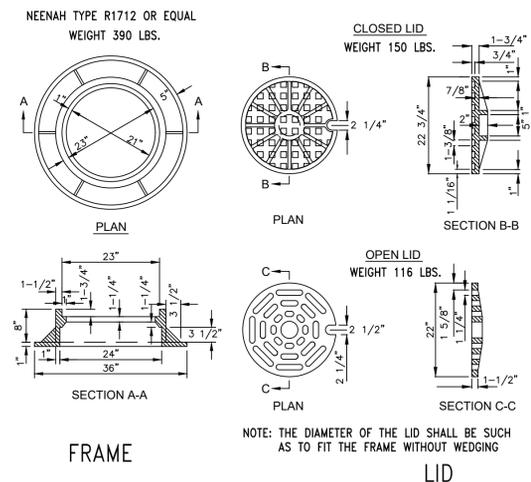
## R-3067-L (NEENAH Foundry)



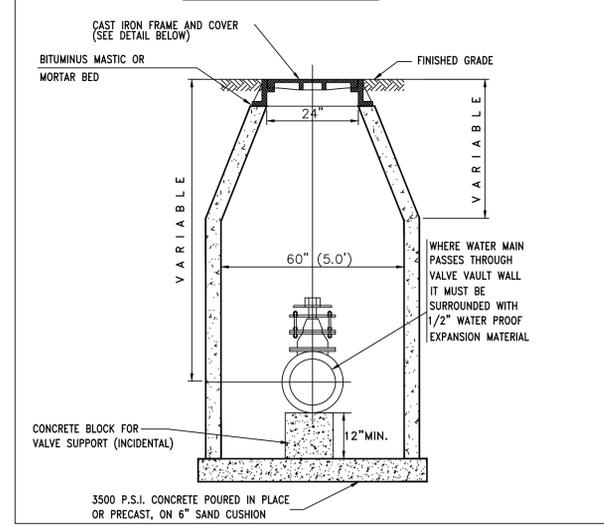
## R-3159-A (NEENAH Foundry)



## TYPE 1 FRAME AND LID DETAIL



## VALVE VAULT DETAIL

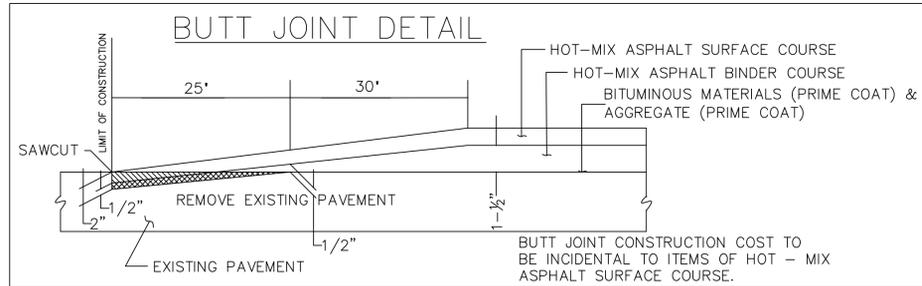
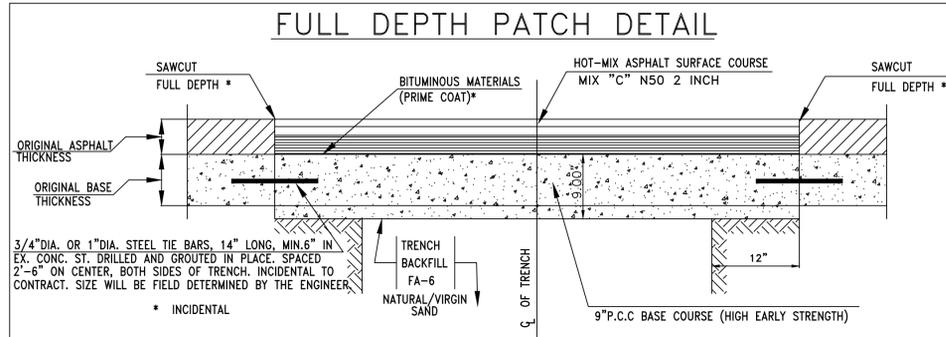


NO.	DATE	REVISION
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**2026 CHURCH STREET (MCDANIEL-FLORENCE)  
 WATER MAIN IMPROVEMENTS PROJECT  
 STANDARDS AND DETAILS**

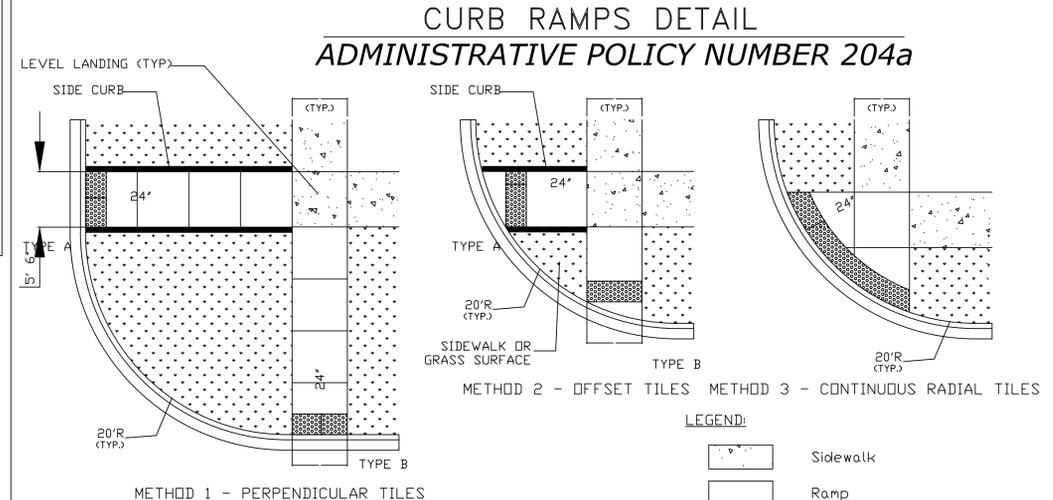
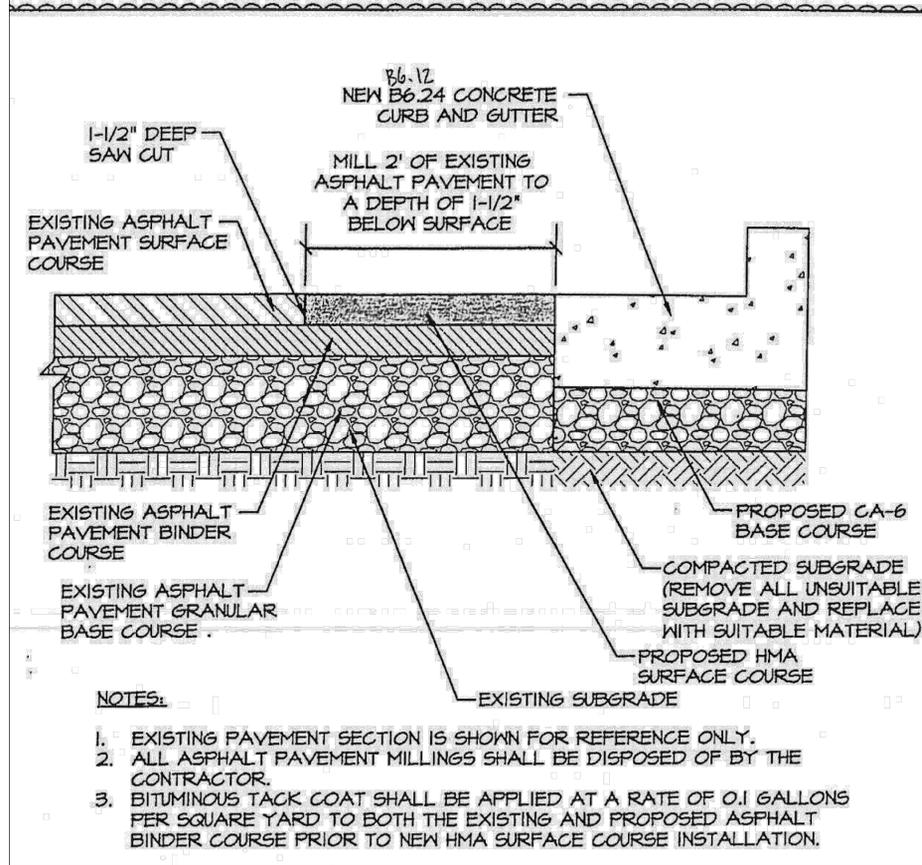
SCALE	NTS
PROJECT NUMBER:	PW-WM-2501
BID NUMBER:	26-04
ISSUED FOR:	BID
DATE:	12/08/2025
DESIGNED BY:	AA
DRAWN BY:	AA
CHECKED BY:	BN
SHEET	20 OF 22

# CITY OF EVANSTON TYPICAL DETAILS



## PAVEMENT PATCHING AT CURB & GUTTER REMOVAL

NOT TO SCALE



**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.

**LEGEND:**

- Sidewalk
- Ramp
- Detectable Warnings, Red
- Non walking area (Grass)

CITY OF EVANSTON  
PUBLIC WORKS AGENCY  
CAPITAL PLANNING AND ENGINEERING BUREAU

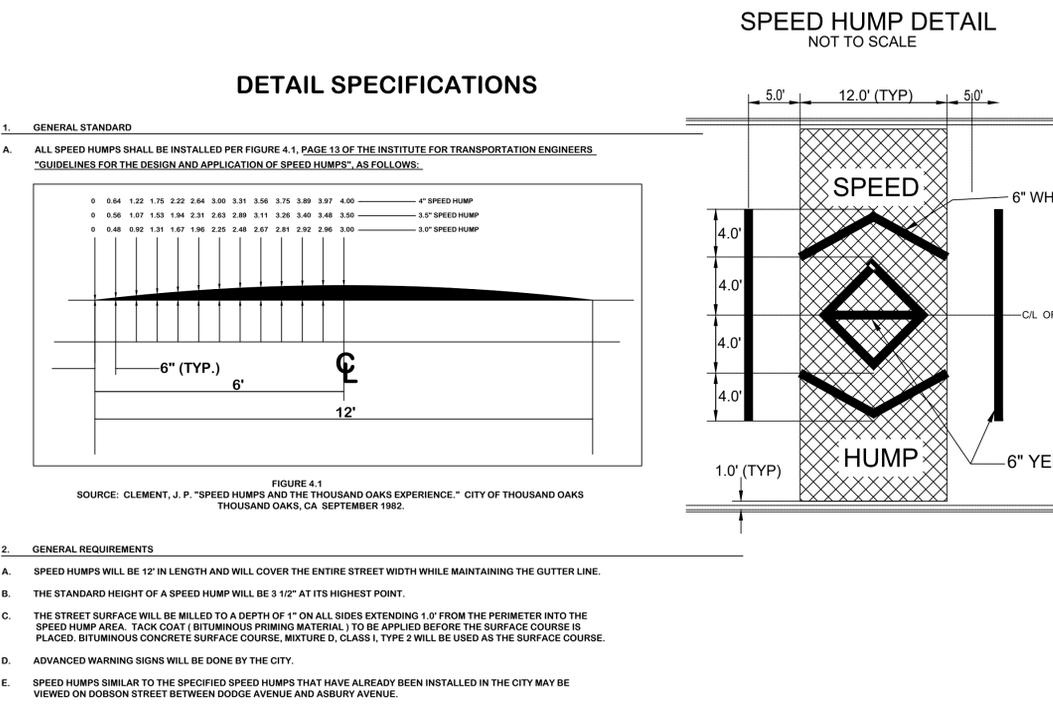
APPROVED BY: \_\_\_\_\_ DATE: \_\_\_\_\_

CITY ENGINEER: \_\_\_\_\_

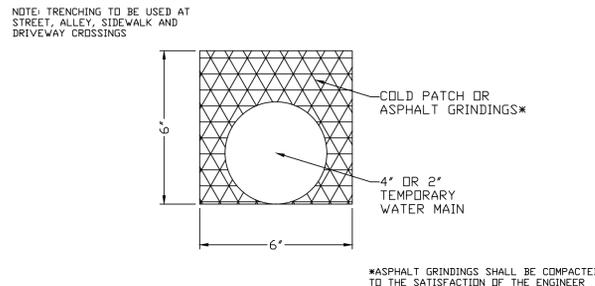
DIRECTOR OF PUBLIC WORKS: \_\_\_\_\_

**IDOT STANDARDS:**

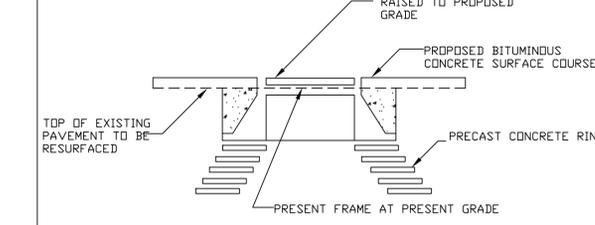
424001-11 PERPENDICULAR CURB RAMPS FOR SIDEWALKS  
 424026-03 ENTRANCE / ALLEY PEDESTRIAN CROSSINGS  
 606001-07 CONCRETE CURB TYPE B AND COMBINATION CONCRETE CURB AND GUTTER



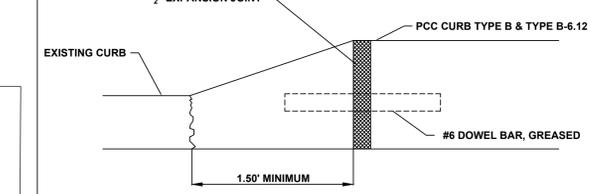
## TEMPORARY WATER MAIN TRENCH



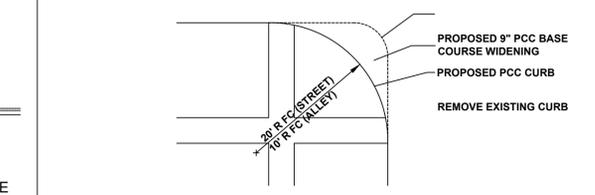
## FRAME AND GRATE ADJUSTMENT DETAIL (MH, CB, IN, VV)



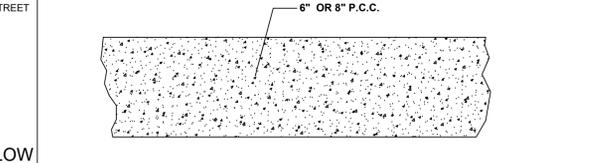
## SECTION FOR CURB TRANSITION DETAIL



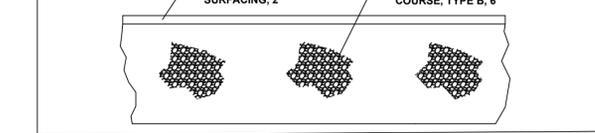
## PLAN FOR INCREASING CURB RADIUS DETAIL



## SECTION CONCRETE DRIVEWAY PAVEMENT DETAIL



## SECTION HOT-MIX ASPHALT DRIVEWAY PAVEMENT DETAIL



NO.	DATE	REVISION
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: BID

DATE: 12/08/2025

DESIGNED BY: AA

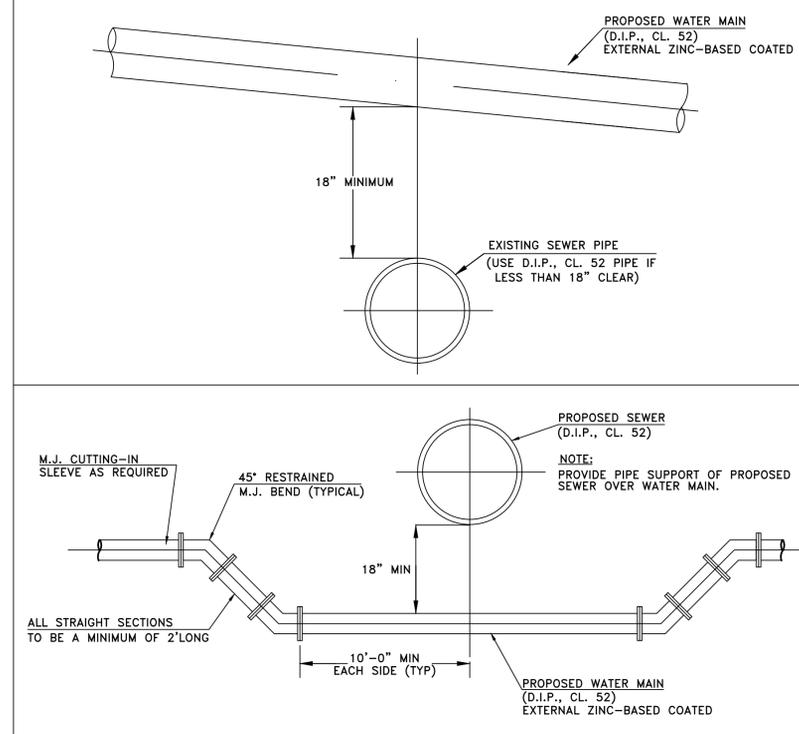
DRAWN BY: AA

CHECKED BY: BN

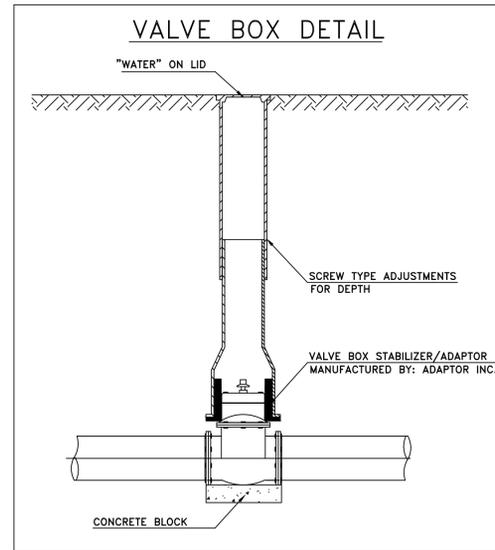
SHEET: 21 OF 26

# CITY OF EVANSTON TYPICAL DETAILS

## WATER MAIN ADJUSTMENT DETAIL

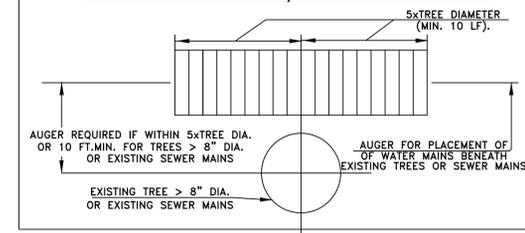


## VALVE BOX DETAIL

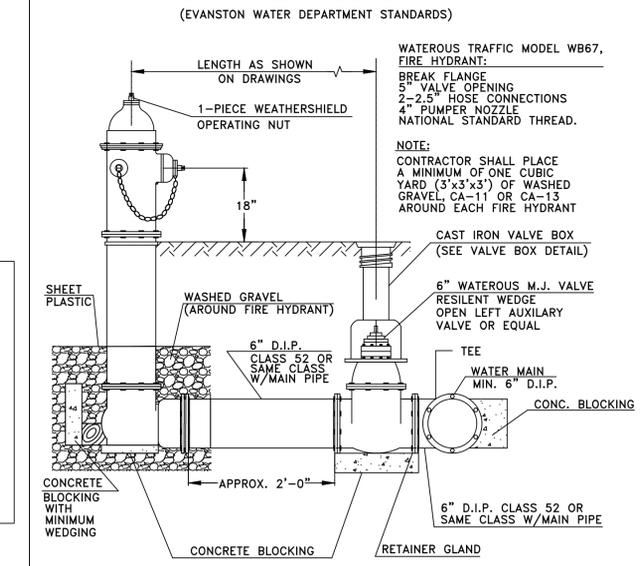


PIPE SIZE (INCH I. D.)	UNIT RATE PER LIN. FT. (TONS)
6	0.17
8	0.19
10	0.22
12	0.25
15	0.33
18	0.41
21	0.48
24	0.57
27	0.64
30	0.74
36	0.94
42	1.15
48	1.38
54	1.71
60	1.90

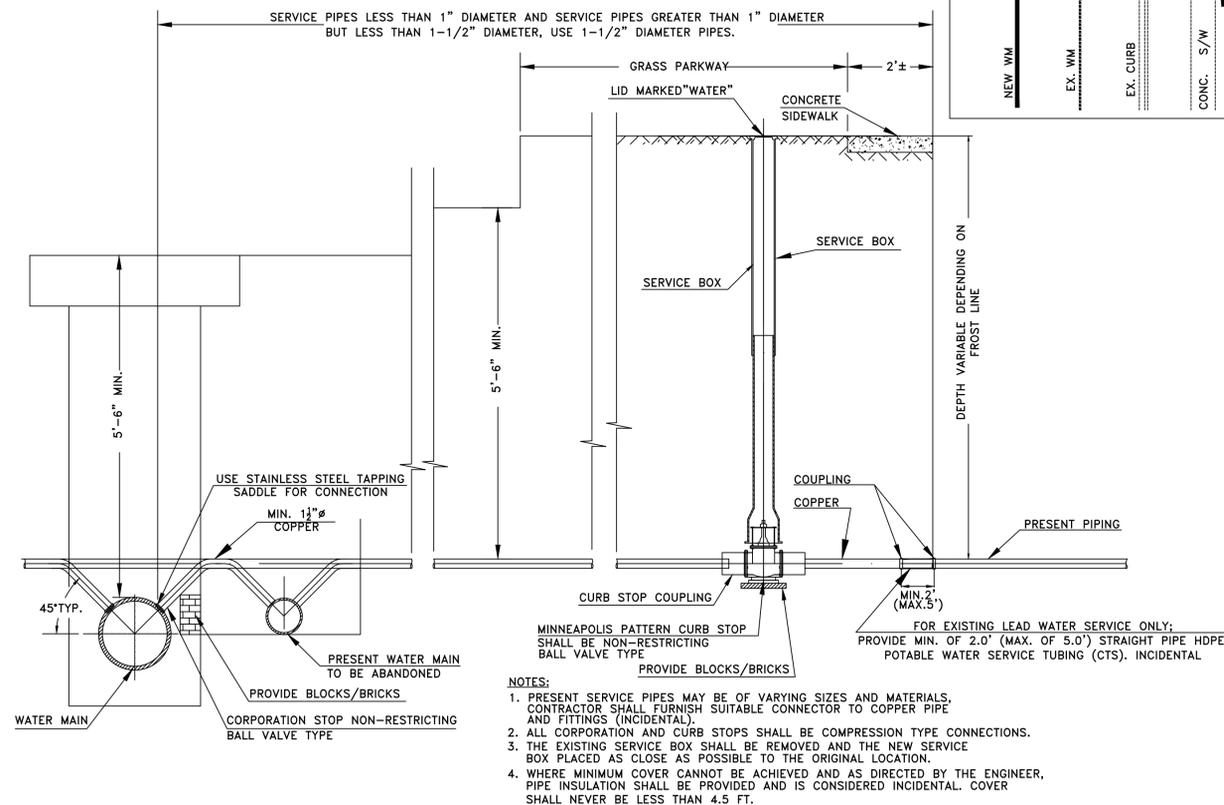
## SHORT TUNNEL/AUGER DETAIL



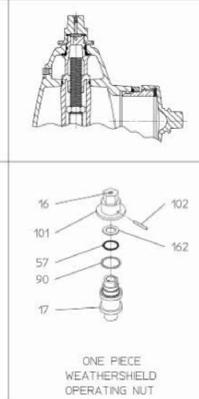
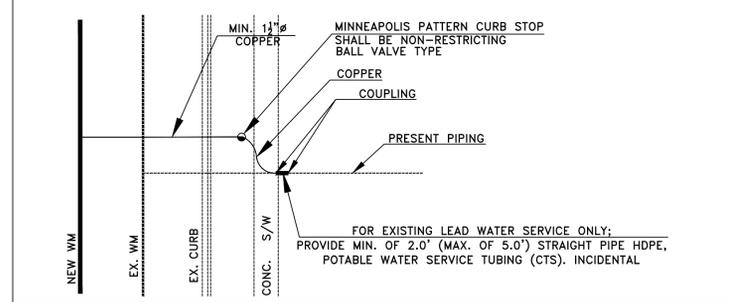
## FIRE HYDRANT DETAIL



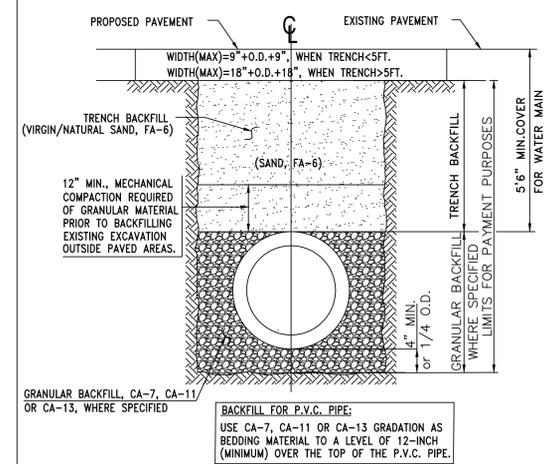
## WATER SERVICE CONNECTION DETAIL



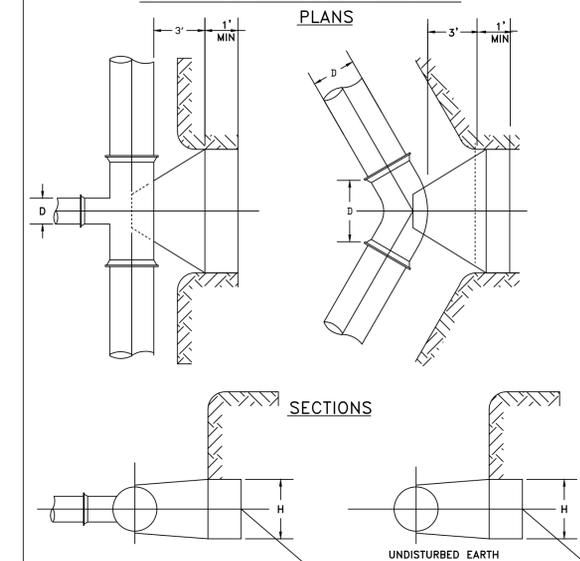
## WATER SERVICE CONNECTION PLAN DETAIL



## 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:  
BID

DATE: 12/08/2025

DESIGNED BY: AA

DRAWN BY: AA

CHECKED BY: BN

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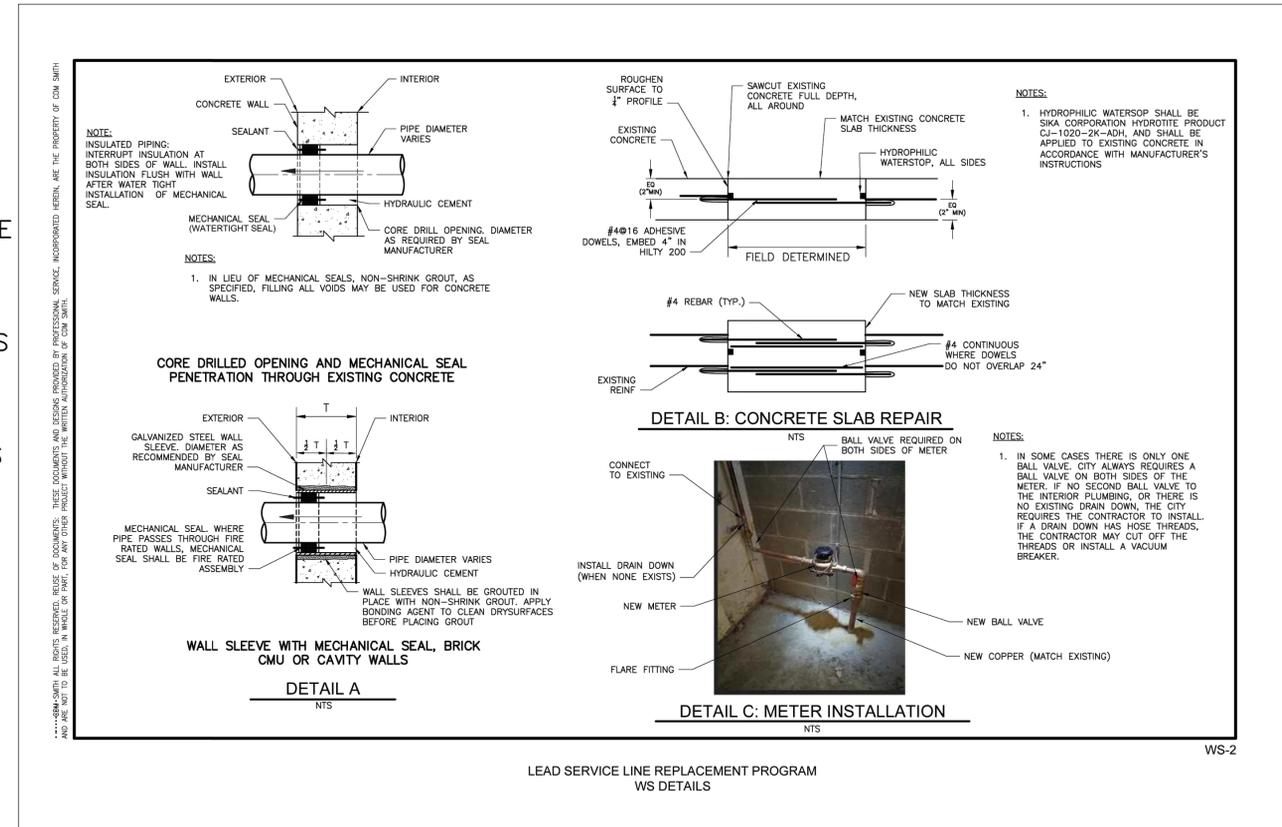
GENERAL WATER SERVICE REPLACEMENT NOTES:

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.



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



GENERAL WATER SERVICE REPLACEMENT NOTES  
 Lead Service Line Replacement Program

WS-0

SCALE NTS
PROJECT NUMBER: PW-WM-2501
BID NUMBER: 26-04
ISSUED FOR: BID
DATE: 12/08/2025
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SHEET 23 OF 26

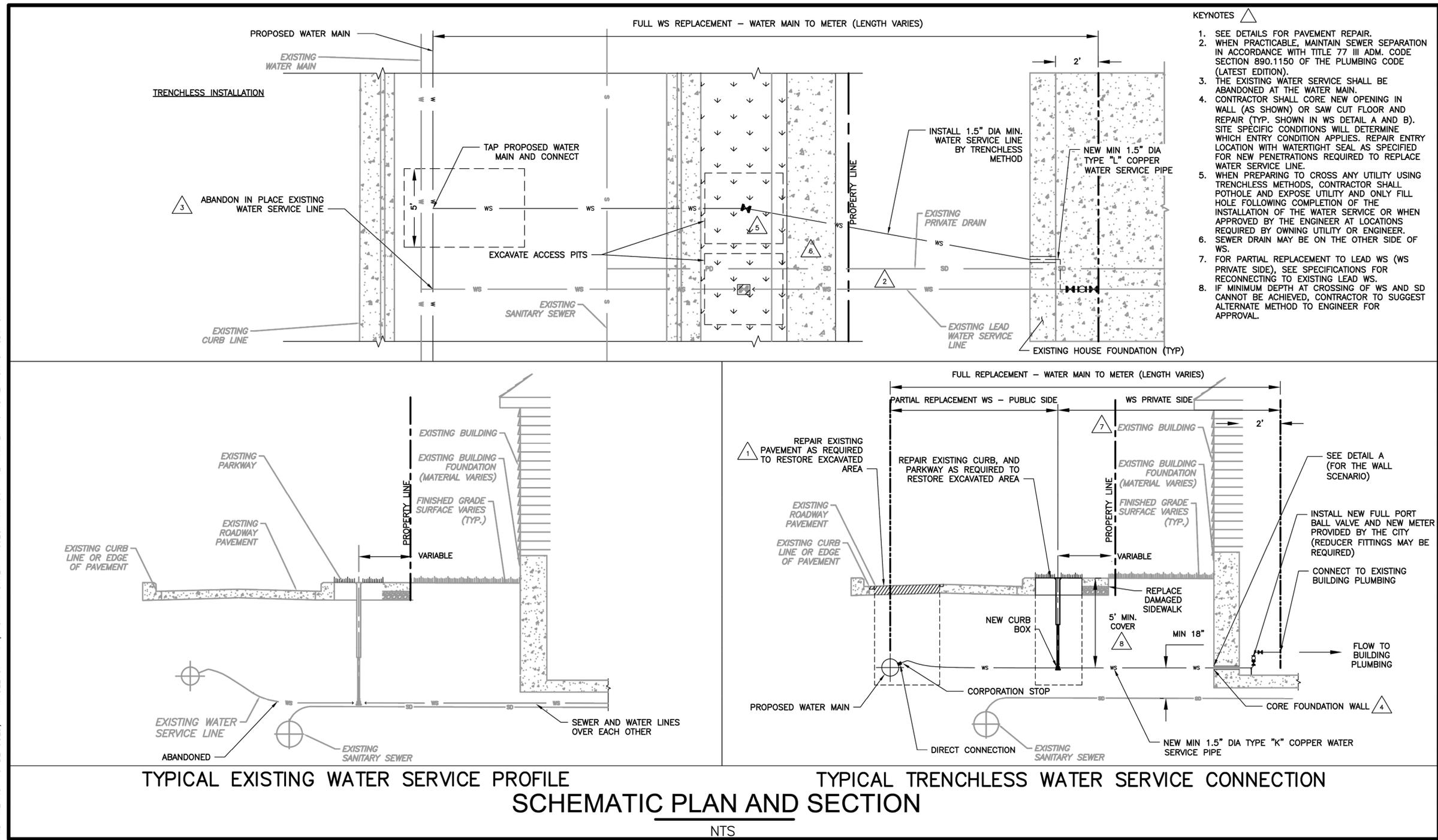
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**2026 CHURCH STREET (McDANIEL-FLORENCE)  
 WATER MAIN IMPROVEMENTS PROJECT  
 LEAD SERVICE LINE REPLACEMENT PROGRAM**

SCALE	NTS
PROJECT NUMBER:	PW-WM-2501
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- 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.	DATE	REVISION
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**2026 CHURCH STREET (MCDANIEL-FLORENCE)  
 WATER MAIN IMPROVEMENTS PROJECT  
 MWRD GEN. NOTES/IEPA REQUIREMENTS**

<b>SCALE</b> NTS
<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> 25 OF 26

- A. REFERENCED SPECIFICATIONS**
- ALL CONSTRUCTION SHALL BE IN ACCORDANCE WITH THE APPLICABLE SECTIONS OF THE FOLLOWING, EXCEPT AS MODIFIED HEREIN OR ON THE PLANS:
    - STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION (LATEST EDITION), BY THE ILLINOIS DEPARTMENT OF TRANSPORTATION (DOT SS) FOR ALL IMPROVEMENTS EXCEPT SANITARY SEWER AND WATER MAIN CONSTRUCTION;
    - STANDARD SPECIFICATIONS FOR WATER AND SEWER MAIN CONSTRUCTION IN ILLINOIS, LATEST EDITION (SSWS) FOR SANITARY SEWER AND WATER MAIN CONSTRUCTION;
    - CITY OF EVANSTON MUNICIPAL CODE;
    - THE METROPOLITAN WATER RECLAMATION DISTRICT OF GREATER CHICAGO (MWRD) WATERSEID MANAGEMENT ORDINANCE AND TECHNICAL GUIDANCE MANUAL;
    - IN CASE OF CONFLICT BETWEEN THE APPLICABLE ORDINANCES NOTED, THE MORE STRINGENT SHALL TAKE PRECEDENCE AND SHALL CONTROL ALL CONSTRUCTION.
- B. NOTIFICATIONS**
- THE MWRD LOCAL SEWER SYSTEMS SECTION FIELD OFFICE MUST BE NOTIFIED AT LEAST TWO (2) WORKING DAYS PRIOR TO THE COMMENCEMENT OF ANY WORK (CALL 708-588-4055 OR SEND EMAIL NOTIFICATION WITH PROJECT NAME, LOCATION AND PERMIT NUMBER TO [WMOJOBSTART@MWRD.ORG](mailto:WMOJOBSTART@MWRD.ORG)).
  - THE CITY OF EVANSTON ENGINEERING DEPARTMENT AND PUBLIC MUST BE NOTIFIED AT LEAST 24 HOURS PRIOR TO THE START OF CONSTRUCTION AND PRIOR TO EACH PHASE OF WORK. CONTRACTOR SHALL DETERMINE ITEMS REQUIRING INSPECTION PRIOR TO START OF CONSTRUCTION OR EACH WORK PHASE.
  - THE CONTRACTOR SHALL NOTIFY ALL UTILITY COMPANIES PRIOR TO BEGINNING CONSTRUCTION FOR THE EXACT LOCATIONS OF UTILITIES AND FOR THEIR PROTECTION DURING CONSTRUCTION. IF EXISTING UTILITIES ARE ENCOUNTERED THAT CONFLICT IN LOCATION WITH NEW CONSTRUCTION, IMMEDIATELY NOTIFY THE ENGINEER SO THAT THE CONFLICT CAN BE RESOLVED. CALL J.U.L.I.E. AT 1-800-892-0123.
- C. GENERAL NOTES**
- ALL ELEVATIONS SHOWN ON PLANS REFERENCE THE NORTH AMERICAN VERTICAL DATUM OF 1988 (NAVD88). CONVERSION FACTOR IS 579.70=0 FT. CITY OF EVANSTON DATUM, 579.70=0.00; CDD=579.88.
  - MWRD, THE MUNICIPALITY AND THE OWNER OR OWNER'S REPRESENTATIVE SHALL HAVE THE AUTHORITY TO INSPECT, APPROVE, AND REJECT THE CONSTRUCTION IMPROVEMENTS.
  - THE CONTRACTOR(S) SHALL INDEMNIFY THE OWNER, ENGINEER, MUNICIPALITY, MWRD, AND THEIR AGENTS, ETC., FROM ALL LIABILITY INVOLVED WITH THE CONSTRUCTION, INSTALLATION, OR TESTING OF THIS WORK ON THE PROJECT.
  - THE PROPOSED IMPROVEMENTS MUST BE CONSTRUCTED IN ACCORDANCE WITH THE ENGINEERING PLANS AS APPROVED BY MWRD AND THE MUNICIPALITY UNLESS CHANGES ARE APPROVED BY MWRD, THE MUNICIPALITY, OR AUTHORIZED AGENT. THE CONSTRUCTION DETAILS AS PRESENTED ON THE PLANS, MUST BE FOLLOWED. PROPER CONSTRUCTION TECHNIQUES MUST BE FOLLOWED ON THE IMPROVEMENTS INDICATED ON THE PLANS.
  - THE LOCATION OF VARIOUS UNDERGROUND UTILITIES WHICH ARE SHOWN ON THE PLANS ARE FOR INFORMATION ONLY AND REPRESENT THE BEST KNOWLEDGE OF THE ENGINEER. VERIFY LOCATIONS AND ELEVATIONS PRIOR TO BEGINNING THE CONSTRUCTION OPERATIONS.
  - ANY EXISTING PAVEMENT, SIDEWALK, DRIVEWAY, ETC., DAMAGED DURING CONSTRUCTION OPERATIONS AND NOT CALLED FOR TO BE REMOVED SHALL BE REPLACED AT THE EXPENSE OF THE CONTRACTOR.
  - MATERIAL AND COMPACTION TESTING SHALL BE PERFORMED IN ACCORDANCE WITH THE REQUIREMENTS OF THE MUNICIPALITY, MWRD, AND OWNER.
  - THE UNDERGROUND CONTRACTOR SHALL MAKE ALL NECESSARY ARRANGEMENTS TO NOTIFY ALL INSPECTION AGENCIES.
  - ALL NEW AND EXISTING UTILITY STRUCTURES ON SITE AND IN AREAS DISTURBED DURING CONSTRUCTION SHALL BE ADJUSTED TO FINISH GRADE PRIOR TO FINAL INSPECTION.
  - RECORD DRAWINGS SHALL BE KEPT BY THE CONTRACTOR AND SUBMITTED TO THE ENGINEER AS SOON AS UNDERGROUND IMPROVEMENTS ARE COMPLETED. FINAL PAYMENTS TO THE CONTRACTOR SHALL BE HELD UNTIL THEY ARE RECEIVED. ANY CHANGES IN LENGTH, LOCATION OR ALIGNMENT SHALL BE SHOWN IN RED. ALL WYES OR BENDS SHALL BE LOCATED FROM THE DOWNSTREAM MANHOLE. ALL VALVES, B-BOXES, TEES OR BENDS SHALL BE TIED TO A FIRE HYDRANT.
- D. SANITARY SEWER**
- THE CONTRACTOR SHALL TAKE MEASURES TO PREVENT ANY POLLUTED WATER, SUCH AS GROUND AND SURFACE WATER, FROM ENTERING THE EXISTING SANITARY SEWERS.
  - A WATER-TIGHT PLUG SHALL BE INSTALLED IN THE DOWNSTREAM SEWER PIPE AT THE POINT OF SEWER CONNECTION PRIOR TO COMMENCING ANY SEWER CONSTRUCTION. THE PLUG SHALL REMAIN IN PLACE UNTIL REMOVAL IS AUTHORIZED BY THE MUNICIPALITY AND/OR MWRD AFTER THE SEWERS HAVE BEEN TESTED AND ACCEPTED.
  - DISCHARGING ANY UNPOLLUTED WATER INTO THE SANITARY SEWER SYSTEM FOR THE PURPOSE OF SEWER FLUSHING OF LINES FOR THE DEFLECTION TEST SHALL BE PROHIBITED WITHOUT PRIOR APPROVAL FROM THE MUNICIPALITY OR MWRD.
  - ALL SANITARY SEWER CONSTRUCTION SHALL BE IN ACCORDANCE WITH THE STANDARD SPECIFICATIONS FOR WATER AND SEWER MAIN CONSTRUCTION IN ILLINOIS (LATEST EDITION).
  - ALL FLOOR DRAINS SHALL DISCHARGE TO THE SANITARY SEWER SYSTEM.
  - ALL DOWNSPOUTS AND FOOTING DRAINS SHALL DISCHARGE TO THE STORM SEWER SYSTEM.
  - ALL SANITARY SEWER PIPE MATERIALS AND JOINTS (AND STORM SEWER PIPE MATERIALS AND JOINTS IN A COMBINED SEWER AREA) SHALL CONFORM TO THE FOLLOWING:

PIPE MATERIAL	PIPE SPECIFICATIONS	JOINT SPECIFICATIONS
VITRIFIED CLAY PIPE	ASTM C-700	ASTM C-425
REINFORCED CONCRETE SEWER PIPE	ASTM C-76	ASTM C-443
CAST IRON SOIL PIPE	ASTM A-74	ASTM C-564
DUCTILE IRON PIPE	ANSI A21.51	ANSI A21.11
POLYVINYL CHLORIDE (PVC) PIPE 6-INCH TO 15-INCH DIAMETER SDR 26 18-INCH TO 27-INCH DIAMETER F/D7=46	ASTM D-3034 ASTM F-679	ASTM D-3212 ASTM D-3212
HIGH DENSITY POLYETHYLENE (HDPE) WATER MAIN QUALITY PVC 4-INCH TO 36-INCH 4-INCH TO 12-INCH 14-INCH TO 48-INCH	ASTM D-3350 ASTM D-3035 ASTM D-2241 AWWA C900 AWWA C505	ASTM D-3361, F-2620 (HEAT FUSION) ASTM D-3212, F-477 (GASKETED) ASTM D-3139 ASTM D-3139 ASTM D-3139

THE FOLLOWING MATERIALS ARE ALLOWED ON A QUALIFIED BASIS SUBJECT TO DISTRICT REVIEW AND APPROVAL PRIOR TO PERMIT ISSUANCE. A SPECIAL CONDITION WILL BE ADDED TO THE PERMIT WHEN THE PIPE MATERIAL BELOW IS USED FOR SEWER CONSTRUCTION OR A CONNECTION IS MADE.

PIPE MATERIAL	PIPE SPECIFICATIONS	JOINT SPECIFICATIONS
POLYPROPYLENE (PP) PIPE		
12-INCH TO 24-INCH DOUBLE WALL	ASTM F-2736	D-3212, F-477
30-INCH TO 60-INCH TRIPLE WALL	ASTM F-2764	D3212, F-477

- WHEN CONNECTING TO AN EXISTING SEWER MAIN BY MEANS OTHER THAN AN EXISTING WYE, TEE, OR AN EXISTING MANHOLE, ONE OF THE FOLLOWING METHODS SHALL BE USED:
  - A CIRCULAR SAW-CUT OF SEWER MAIN BY PROPER TOOLS (SHOWER-TAP MACHINE OR SIMILAR) AND PROPER INSTALLATION OF HUBWYE SADDLE OR HUBTEE SADDLE.
  - REMOVE AN ENTIRE SECTION OF PIPE (BREAKING ONLY THE TOP OF ONE BELL) AND REPLACE WITH A WYE OR TEE BRANCH SECTION.
  - WITH PIPE CUTTERS, NEATLY AND ACCURATELY CUT OUT DESIRED LENGTH OF PIPE FOR INSERTION OF PROPER FITTING, USING "BAND SEAL" OR SIMILAR COUPLINGS TO HOLD IT FIRMLY IN PLACE.
- WHENEVER A SANITARY/COMBINED SEWER CROSSES UNDER A WATERMAIN, THE MINIMUM VERTICAL DISTANCE FROM THE TOP OF THE SEWER TO THE BOTTOM OF THE WATERMAIN SHALL BE 18 INCHES. FURTHERMORE, A MINIMUM HORIZONTAL DISTANCE OF 10 FEET BETWEEN SANITARY/COMBINED SEWERS AND WATERMANS SHALL BE MAINTAINED UNLESS THE SEWER IS LAID IN A SEPARATE TRENCH, KEEPING A MINIMUM 18" VERTICAL SEPARATION; OR THE SEWER IS LAID IN THE SAME TRENCH WITH THE WATERMAIN LOCATED AT THE OPPOSITE SIDE ON A BENCH OF UNDISTURBED EARTH, KEEPING A MINIMUM 18" VERTICAL SEPARATION. IF EITHER THE VERTICAL OR HORIZONTAL DISTANCES DESCRIBED CANNOT BE MAINTAINED, OR THE SEWER CROSSES ABOVE THE WATER MAIN, THE SEWER SHALL BE CONSTRUCTED TO WATER MAIN STANDARDS OR IT SHALL BE ENCASED WITH A WATER MAIN QUALITY CARRIER PIPE WITH THE ENDS SEALED.

- ALL EXISTING SEPTIC SYSTEMS SHALL BE ABANDONED. ABANDONED TANKS SHALL BE FILLED WITH GRANULAR MATERIAL OR REMOVED.
- ALL SANITARY MANHOLES, (AND STORM MANHOLES IN COMBINED SEWER AREAS), SHALL HAVE A MINIMUM INSIDE DIAMETER OF 48 INCHES, AND SHALL BE CAST IN PLACE OR PRE-CAST REINFORCED CONCRETE.
- ALL SANITARY MANHOLES, (AND STORM MANHOLES IN COMBINED SEWER AREAS), SHALL HAVE PRECAST "RUBBER BOOTS" THAT CONFORM TO ASTM C-923 FOR ALL PIPE CONNECTIONS. PRECAST SECTIONS SHALL CONSIST OF MODIFIED GROOVE TONGUE AND RUBBER GASKET TYPE JOINTS.
- ALL ABANDONED SANITARY SEWERS SHALL BE PLUGGED AT BOTH ENDS WITH AT LEAST 2 FEET LONG NON-SHRINK CONCRETE OR MORTAR PLUG.
- EXCEPT FOR FOUNDATION/FOOTING DRAINS PROVIDED TO PROTECT BUILDINGS, OR PERFORATED PIPES ASSOCIATED WITH VOLUME CONTROL FACILITIES, DRAIN TILES/FIELD TILES/UNDERDRAINS/PERFORATED PIPES ARE NOT ALLOWED TO BE CONNECTED TO OR TRIBUTARY TO COMBINED SEWERS, SANITARY SEWERS, OR STORM SEWERS TRIBUTARY TO COMBINED SEWERS. CONSTRUCTION OF NEW FACILITIES OF THIS TYPE IS PROHIBITED; AND ALL EXISTING DRAIN TILES AND PERFORATED PIPES ENCOUNTERED WITHIN THE PROJECT AREA SHALL BE PLUGGED OR REMOVED, AND SHALL NOT BE CONNECTED TO COMBINED SEWERS, SANITARY SEWERS, OR STORM SEWERS TRIBUTARY TO COMBINED SEWERS.
- A BACKFLOW PREVENTER IS REQUIRED FOR ALL DETENTION BASINS TRIBUTARY TO COMBINED SEWERS. REQUIRED BACKFLOW PREVENTERS SHALL BE INSPECTED AND EXERCISED ANNUALLY BY THE PROPERTY OWNER TO ENSURE PROPER OPERATION, AND ANY NECESSARY MAINTENANCES SHALL BE PERFORMED TO ENSURE FUNCTIONALITY. IN THE EVENT OF A SEWER SURCHARGE INTO AN OPEN DETENTION BASIN TRIBUTARY TO COMBINED SEWERS, THE PERMITTEE SHALL ENSURE THAT CLEAN UP AND WASH OUT OF SEWAGE TAKES PLACE WITHIN 48 HOURS OF THE STORM EVENT.

- E. EROSION AND SEDIMENT CONTROL**
- THE CONTRACTOR SHALL INSTALL THE EROSION AND SEDIMENT CONTROL DEVICES AS SHOWN ON THE APPROVED EROSION AND SEDIMENT CONTROL PLAN.
  - EROSION AND SEDIMENT CONTROL PRACTICES SHALL BE FUNCTIONAL PRIOR TO HYDROLOGIC DISTURBANCE OF THE SITE.
  - ALL DESIGN CRITERIA, SPECIFICATIONS, AND INSTALLATION OF EROSION AND SEDIMENT CONTROL PRACTICES SHALL BE IN ACCORDANCE WITH THE ILLINOIS URBAN MANUAL.
  - A COPY OF THE APPROVED EROSION AND SEDIMENT CONTROL PLAN SHALL BE MAINTAINED ON THE SITE AT ALL TIMES.
  - INSPECTIONS AND DOCUMENTATION SHALL BE PERFORMED, AT A MINIMUM:
    - UPON COMPLETION OF INITIAL EROSION AND SEDIMENT CONTROL MEASURES, PRIOR TO ANY SOIL DISTURBANCE.
    - ONCE EVERY SEVEN (7) CALENDAR DAYS AND WITHIN 24 HOURS OF THE END OF A STORM EVENT WITH GREATER THAN 0.5 INCH OF RAINFALL OR LIQUID EQUIVALENT PRECIPITATION.
  - SOIL DISTURBANCE SHALL BE CONDUCTED IN SUCH A MANNER AS TO MINIMIZE EROSION. IF STRIPPING, CLEARING, GRADING, OR LANDSCAPING ARE TO BE DONE IN PHASES, THE CO-PERMITTEE SHALL PLAN FOR APPROPRIATE SOIL EROSION AND SEDIMENT CONTROL MEASURES.
  - A STABILIZED MAT OF CRUSHED STONE MEETING THE STANDARDS OF THE ILLINOIS URBAN MANUAL SHALL BE INSTALLED AT ANY POINT WHERE TRAFFIC WILL BE ENTERING OR LEAVING A CONSTRUCTION SITE. SEDIMENT OR SOIL REACHING AN IMPROVED PUBLIC RIGHT-OF-WAY, STREET, ALLEY OR PARKING AREA SHALL BE REMOVED BY SCRAPING OR STREET CLEANING AS ACCUMULATIONS WARRANT AND TRANSPORTED TO A CONTROLLED SEDIMENT DISPOSAL AREA.
  - CONCRETE WASHOUT FACILITIES SHALL BE CONSTRUCTED IN ADDITION TO CONCRETE WASHOUT FACILITIES FOR ANY BRICK AND MORTAR BUILDING ENVELOPE CONSTRUCTION ACTIVITIES.
  - TEMPORARY DIVERSIONS SHALL BE CONSTRUCTED AS NECESSARY TO DIRECT ALL RUNOFF FROM HYDROLOGICALLY DISTURBED AREAS TO AN APPROPRIATE SEDIMENT TRAP OR BASIN. VOLUME CONTROL FACILITIES SHALL NOT BE USED AS TEMPORARY SEDIMENT BASINS.
  - DISTURBED AREAS OF THE SITE WHERE CONSTRUCTION ACTIVITIES HAVE TEMPORARILY OR PERMANENTLY CEASED SHALL BE STABILIZED WITH TEMPORARY OR PERMANENT MEASURES WITHIN SEVEN (7) DAYS.
  - FLOOD PROTECTION AREAS AND VOLUME CONTROL FACILITIES SHALL, AT A MINIMUM, BE PROTECTED WITH A DOUBLE-ROW OF SILT FENCE (OR EQUIVALENT).
  - VOLUME CONTROL FACILITIES SHALL NOT BE CONSTRUCTED UNTIL ALL OF THE CONTRIBUTING DRAINAGE AREA HAS BEEN STABILIZED.
  - SOIL STOCKPILES SHALL, AT A MINIMUM, BE PROTECTED WITH PERIMETER SEDIMENT CONTROLS. SOIL STOCKPILES SHALL NOT BE PLACED IN FLOOD PROTECTION AREAS OR THEIR BUFFERS.
  - EARTHEN EMBANKMENT SIDE SLOPES SHALL BE STABILIZED WITH APPROPRIATE EROSION CONTROL BLANKET.
  - STORM SEWERS THAT ARE OR WILL BE FUNCTIONING DURING CONSTRUCTION SHALL BE PROTECTED BY APPROPRIATE SEDIMENT CONTROL MEASURES.
  - THE CONTRACTOR SHALL EITHER REMOVE OR REPLACE ANY EXISTING DRAIN TILES AND INCORPORATE THEM INTO THE DRAINAGE PLAN FOR THE DEVELOPMENT. DRAIN TILES CANNOT BE TRIBUTARY TO A SANITARY OR COMBINED SEWER. DRAIN TILES ALLOWED IN COMBINED SEWER AREA FOR GREEN INFRASTRUCTURE PRACTICES.
  - IF DEWATERING SERVICES ARE USED, ADJOINING PROPERTIES AND DISCHARGE LOCATIONS SHALL BE PROTECTED FROM EROSION AND SEDIMENTATION. DEWATERING SYSTEMS SHOULD BE INSPECTED DAILY DURING OPERATIONAL PERIODS. THE SITE INSPECTOR MUST BE PRESENT AT THE COMMENCEMENT OF DEWATERING ACTIVITIES.
  - THE CONTRACTOR SHALL BE RESPONSIBLE FOR TRENCH DEWATERING AND EXCAVATION FOR THE INSTALLATION OF SANITARY SEWERS, STORM SEWERS, WATERMANS AS WELL AS THEIR SERVICES AND OTHER APPURTENANCES. ANY TRENCH DEWATERING, WHICH CONTAINS SEDIMENT SHALL PASS THROUGH A SEDIMENT SETTLING POND OR EQUALLY EFFECTIVE SEDIMENT CONTROL DEVICE. ALTERNATIVES MAY INCLUDE DEWATERING INTO A SUMP PIT, FILTER BAG OR EXISTING VEGETATED UPSLOPE AREA. SEDIMENT LADEN WATERS SHALL NOT BE DISCHARGE TO WATERWAYS, FLOOD PROTECTION AREAS OR THE COMBINED SEWER SYSTEM.
  - ALL EROSION AND SEDIMENT CONTROL MEASURES SHALL BE MAINTAINED AND REPAIRED AS NEEDED ON A YEAR-ROUND BASIS DURING CONSTRUCTION AND ANY PERIODS OF CONSTRUCTION SHUTDOWN UNTIL PERMANENT STABILIZATION IS ACHIEVED.
  - ALL TEMPORARY EROSION AND SEDIMENT CONTROL MEASURES SHALL BE REMOVED WITHIN THIRTY (30) DAYS AFTER PERMANENT SITE STABILIZATION.
  - THE EROSION AND SEDIMENT CONTROL MEASURES SHOWN ON THE PLANS ARE THE MINIMUM REQUIREMENTS. ADDITIONAL MEASURES MAY BE REQUIRED, AS DIRECTED BY THE ENGINEER, SITE INSPECTOR, OR MWRD.

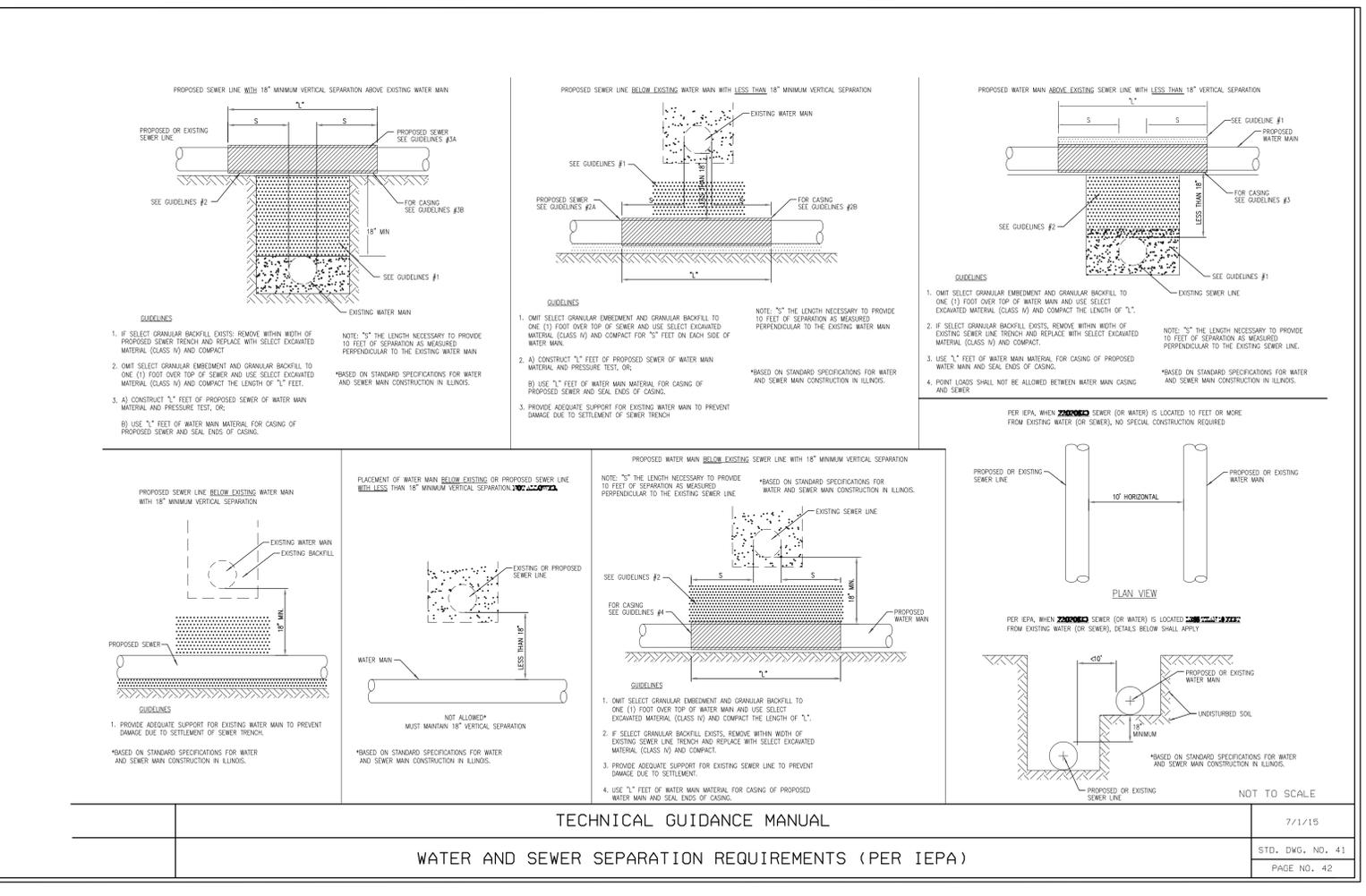
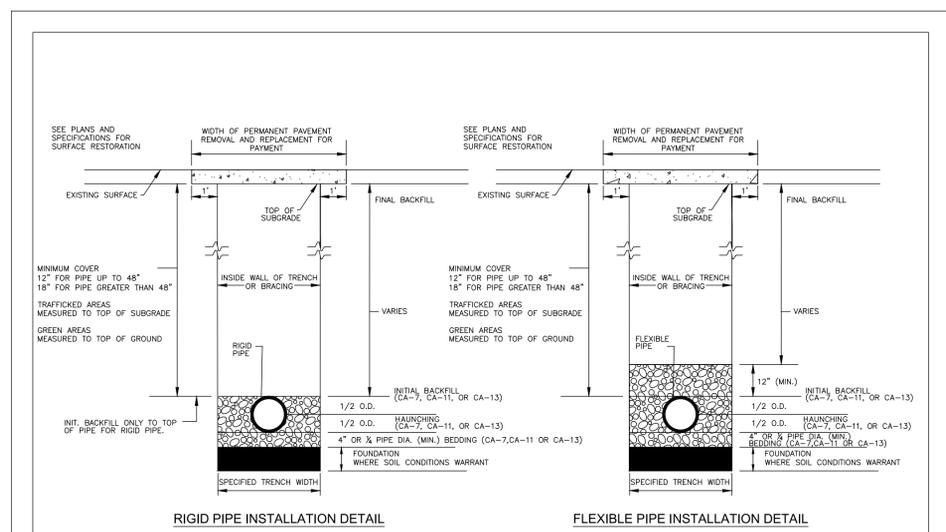
**TECHNICAL GUIDANCE MANUAL**

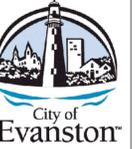
**RIGID AND FLEXIBLE PIPE INSTALLATION DETAIL**

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

## IDOT STANDARDS

SCALE  
NTS

PROJECT NUMBER:  
PW-WM-2501

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