AURORA
ILLINOIS

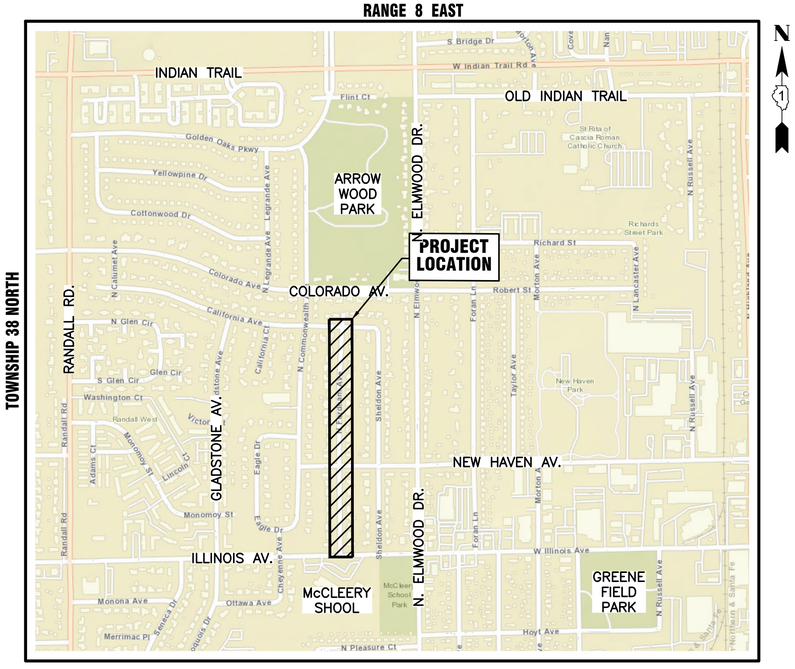
PLANS FOR THE PROPOSED

N. FORDHAM AVE. WATER MAIN REPLACEMENT

BETWEEN W. ILLINOIS AV. AND CALIFORNIA AV.
MARCH 2026
GENERALLY LOCATED IN THE E 1/2 OF SEC. 17, T38N, R8E

LEGEND

	EXISTING	PROPOSED
SANITARY SEWER	)	)
STORM SEWER	>	>
WATER MAIN	W	W
FORCE MAIN	FM	FM
UNDERDRAIN	UD	UD
OVERHEAD LINE	OH	OH
CABLE TV LINE	CATV	CATV
GAS LINE	GAS	GAS
TELEPHONE LINE	T	T
ELECTRIC LINE	E	E
FENCE	X	X
MAJOR CONTOUR		
MINOR CONTOUR		
HIGH WATER LEVEL	HWL	HWL
NORMAL WATER LEVEL	NWL	NWL
PAVEMENT FLOW DIRECTION		
SPOT ELEVATION	682.6	682.6
TOP OF CURB ELEVATION	682.6 TC	682.6 TC
TOP OF FOUNDATION ELEVATION	682.6 T/F	682.6 T/F
GUTTER ELEVATION	682.6 FL	682.6 FL
PAVEMENT ELEVATION	682.6 P	682.6 P
EDGE OF PAVEMENT		
CURB AND GUTTER		
RIGHT-OF-WAY		
SANITARY MANHOLE		
SANITARY CLEANOUT	CO	CO
STORM MANHOLE		
CATCH BASIN		
INLET		
FLARED END SECTION		
FIRE HYDRANT		
VALVE VAULT		
VALVE BOX		
STREET LIGHT		
POWER POLE		
STREET SIGN		
ELECTRIC BOX	E	
TELEPHONE BOX	T	
TELEPHONE MANHOLE	T	
B-BOX		
GAS VALVE		
TRAFFIC HANDHOLE		
ELECTRIC HANDHOLE		
TREE W/ DIAMETER	12"	12"
MAILBOX		
STRUCTURE TO BE REMOVED		
PLUG EXISTING PIPE		
UTILITY CROSSING		
EXPLORATORY EXCAVATION LOCATION		
SANITARY MANHOLE REHABILATATION NUMBER		3-C-100
SOIL BORING LOCATION WITH IDENTIFICATION NUMBER & ELEVATION		SB #1 600.00



KANE COUNTY - AURORA TOWNSHIP
THIRD PRINCIPAL MERIDIAN

LOCATION MAP
NOT TO SCALE

INDEX OF SHEETS

Dial 811 or 1-800-892-0123
811
Know what's below.
Call before you dig.

J.U.L.I.E.
JOINT UTILITY LOCATION INFORMATION FOR EXCAVATION
811 OR 1-800-892-0123

CONSTRUCTION AND MAINTENANCE TO BE IN ACCORDANCE WITH ALL APPLICABLE REGULATORY REQUIREMENTS AND STANDARDS

PRINTED BY THE AUTHORITY OF THE CITY OF AURORA

PLANS PREPARED BY:

CITY OF AURORA

DEPARTMENT OF PUBLIC WORKS - ENGINEERING DIVISION
77 S. BROADWAY AVE, AURORA, IL 60505

PHONE: 630-256-3200 FAX: 630-256-3229

REVISIONS:

				HORIZ. SCALE: N/A	
DESIGNED BY: GL	DRAWN BY: MH	CHECKED BY: GL	APPROVED BY: JH	VERT. SCALE: N/A	DATE: MAR. 2026

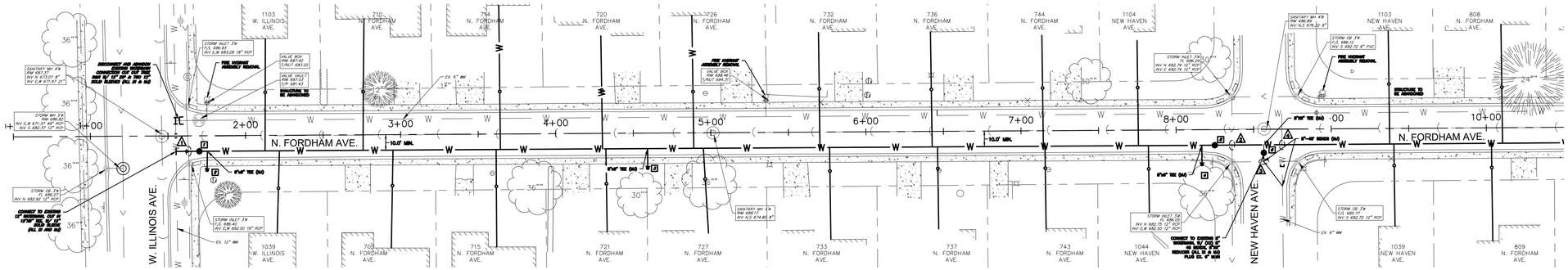
STAMP

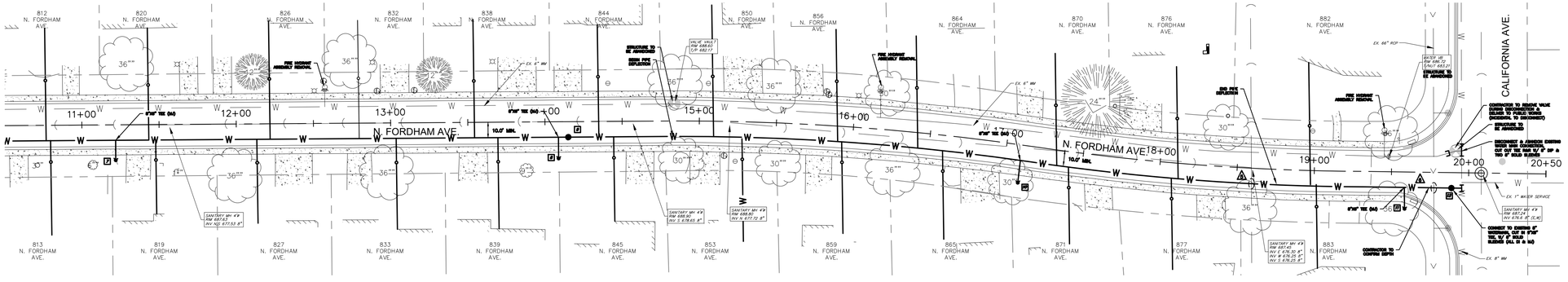
JOHN D. HOFFMANN 062831 LICENSED PROFESSIONAL ENGINEER OF ILLINOIS

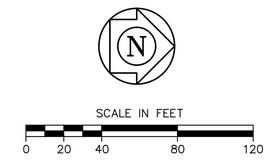
ILLINOIS REGISTERED PROFESSIONAL ENGINEER No.

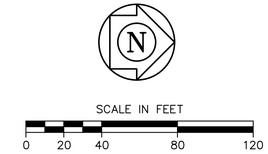
LICENSE EXPIRES NOVEMBER 30, 2027

3-4-2026
DATE









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CITY OF AURORA
ENGINEERING DIVISION
2185 LIBERTY STREET
AURORA, ILLINOIS 60502

REVISIONS:

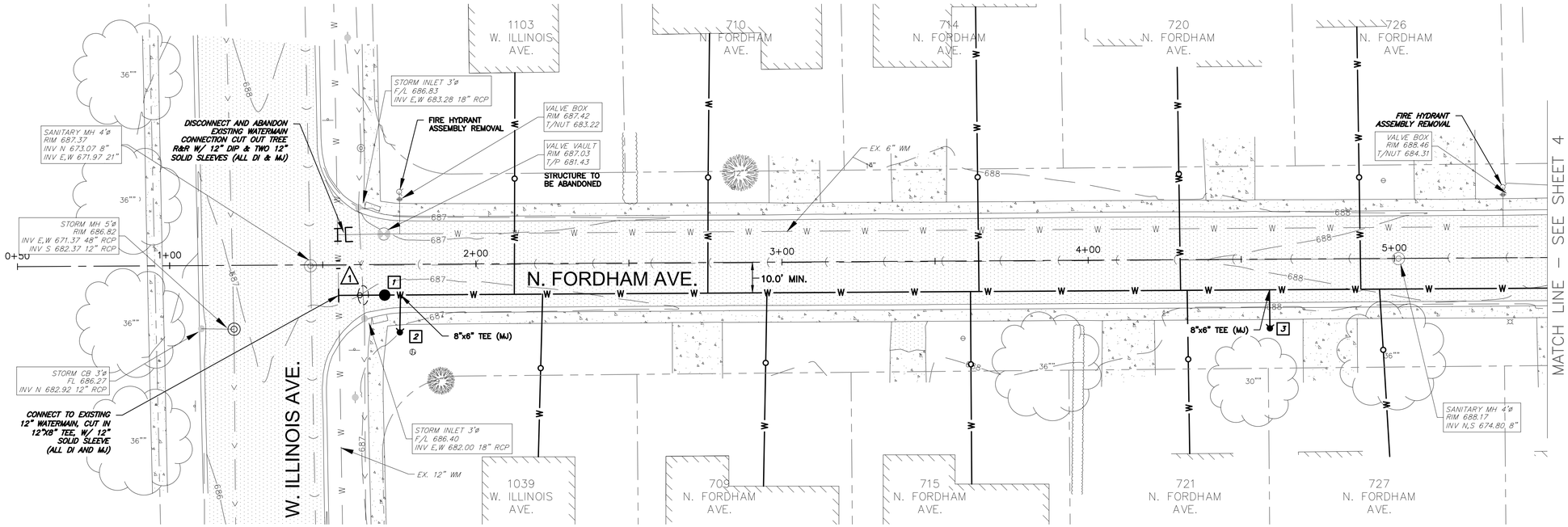
DESIGNED BY:	GL	CHECKED BY:	GL	SCALE:	1" = 20'
DRAWN BY:	MH	APPROVED BY:	JH	DATE:	3/2026

PROJECT: N. FORDHAM AVE. WATER MAIN REPLACEMENT

SHEET TITLE: OVERALL MAP

SHEET NUMBER: 2

TOTAL SHEETS: 10



NOTE:

- ALL FITTINGS SHALL BE DUCTILE IRON (D.I.) MECHANICAL JOINT (M.J.) UNLESS OTHERWISE NOTED.
- ALL CONFIRMED LEAD WATER SERVICES SHALL BE REPLACED WITH 1" COPPER TO THE WATER METER VIA TRENCHLESS METHODS WITH HOMEOWNER APPROVAL.
- SANITARY SEWER SERVICE LOCATIONS ARE UNKNOWN AT THIS TIME. SEE SPECIFICATIONS FOR UNMARKED UTILITIES AND SERVICES.
- ANY POWER POLE BRACING TO BE COORDINATED BY CONTRACTOR (INCIDENTAL)
- CONTRACTOR TO LOCATE/COORDINATE WITH CITY FOR NEAREST VALVE FOR TEMP SHUT DOWN (PER CITY DIRECTION)
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- FRANCHISE UTILITIES (GAS, UNDERGROUND ELECTRIC, PHONE & CABLE) ARE ASSUMED 32"–36" BURIED DEPTH UNLESS OTHERWISE NOTED. CONTRACTOR TO VERIFY & COORDINATE WITH THE FRANCHISE UTILITY COMPANY OWNER.
- EXISTING B–BOX AND WATER SERVICE LOCATIONS ON THE PLANS ARE APPROXIMATE AND DO NOT REFLECT THE ACTUAL LOCATION AT EACH PROPERTY.

N

SCALE IN FEET
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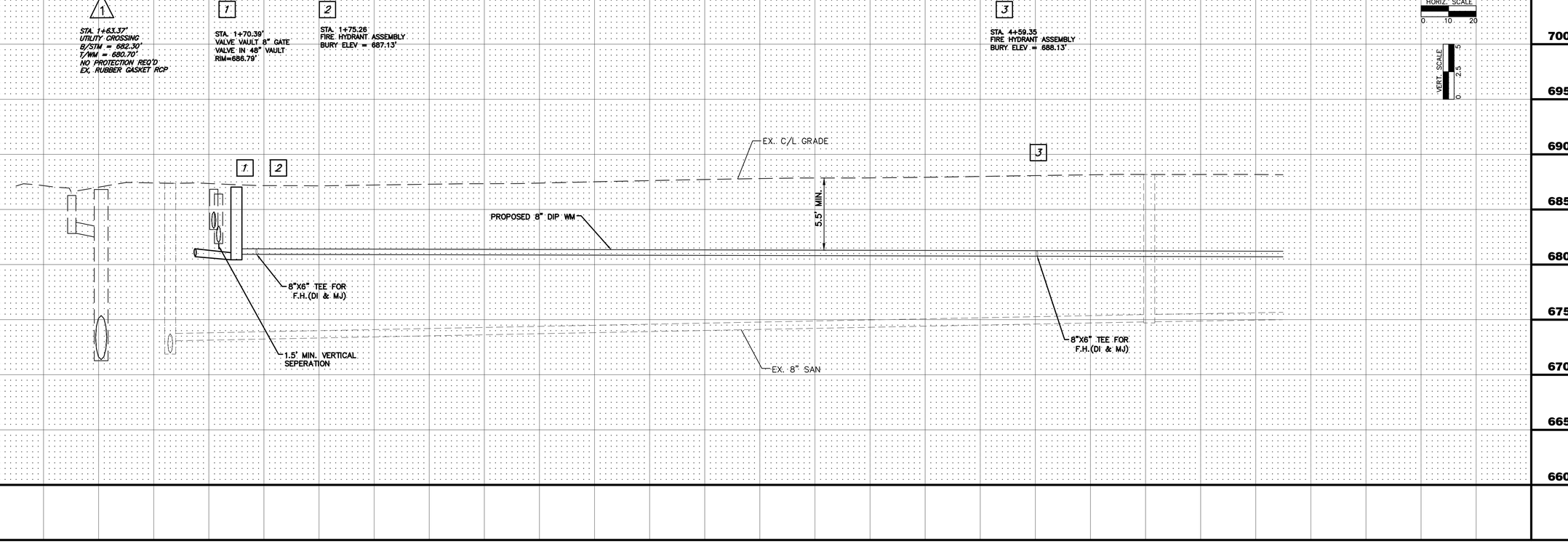

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CITY OF AURORA
ENGINEERING DIVISION
2185 LIBERTY STREET
AURORA, ILLINOIS 60502

REVISIONS:

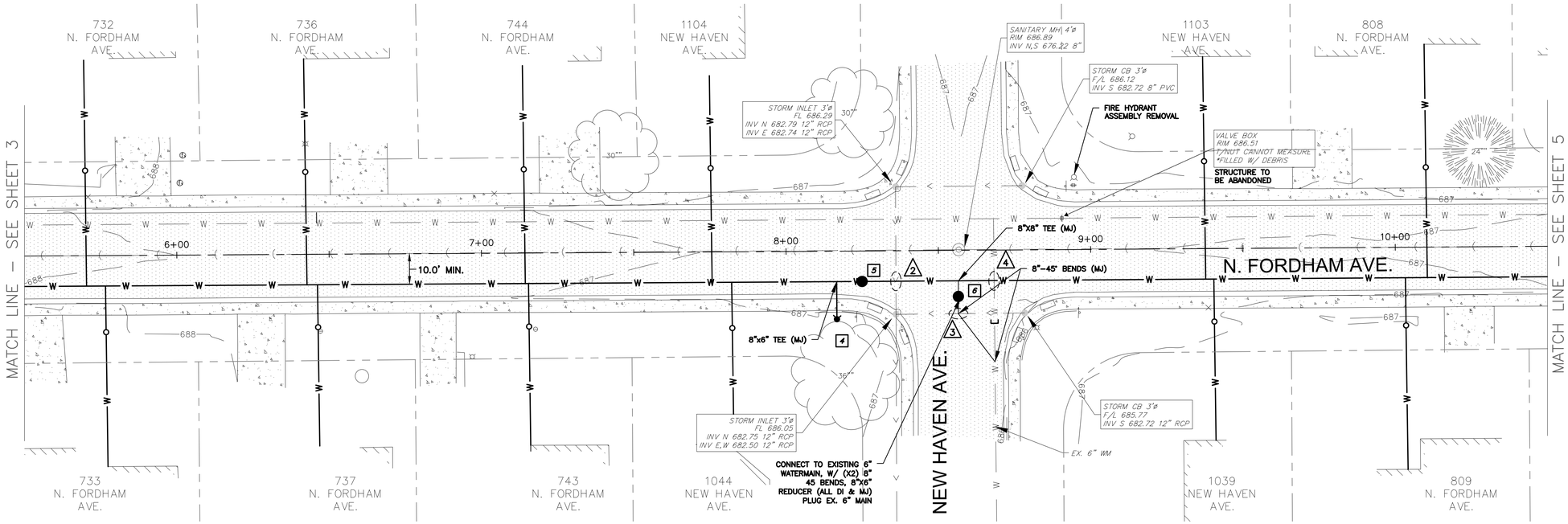
DESIGNED BY:	GL	CHECKED BY:	GL	SCALE:	1" = 20'
DRAWN BY:	MH	APPROVED BY:	JH	DATE:	3/2026

PROJECT: N. FORDHAM AVE. WATER MAIN REPLACEMENT

SHEET TITLE: PLAN & PROFILE STA. 0+50 TO STA. 5+50

SHEET NUMBER: 3

TOTAL SHEETS: 10



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SCALE IN FEET
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4 STA. 8+16.32' FIRE HYDRANT ASSEMBLY BURY ELEV = 687.14'

5 STA. 8+56.32 VALVE VAULT 8" GATE VALVE IN 48" VAULT RIM=686.55'

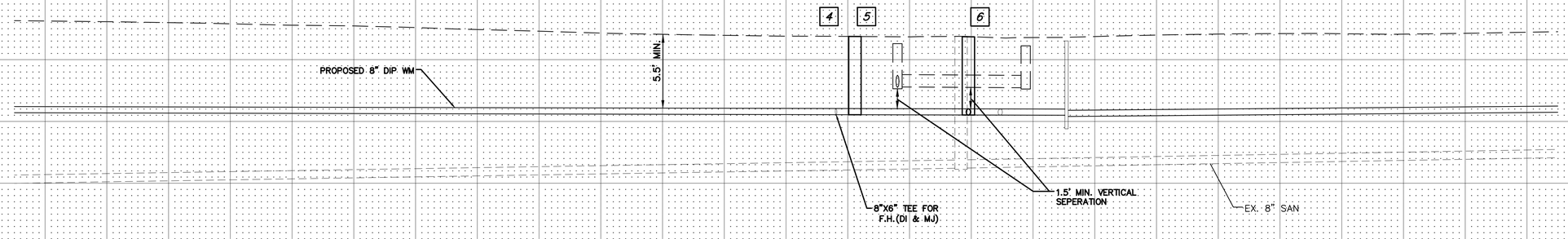
2 STA. 8+35 UTILITY CROSSING B/STM = 682.60' T/WM = 680.90' NO PROTECTION REQ'D EX. RUBBER GASKET RCP

6 STA. 8+56.43 VALVE VAULT 8" GATE VALVE IN 48" VAULT RIM=686.77'

3 STA. 8+55 UTILITY CROSSING B/STM = 682.75' T/WM = 681.00' NO PROTECTION REQ'D EX. RUBBER GASKET RCP

4 STA. 8+68 UTILITY CROSSING B/EX WM = 681.50' T/EX WM = 681.00' NO PROTECTION REQ'D

HORIZ. SCALE 0 10 20
VERT. SCALE 5 2.5 0



CITY OF AURORA
ENGINEERING DIVISION
2185 LIBERTY STREET
AURORA, ILLINOIS 60502

REVISIONS:

DESIGNED BY:	GL	CHECKED BY:	GL	SCALE:	1" = 20'
DRAWN BY:	MH	APPROVED BY:	JH	DATE:	3/2026

PROJECT: N. FORDHAM AVE. WATER MAIN REPLACEMENT

SHEET TITLE: PLAN & PROFILE STA. 5+50 TO STA. 10+50

SHEET NUMBER 4

TOTAL SHEETS 10

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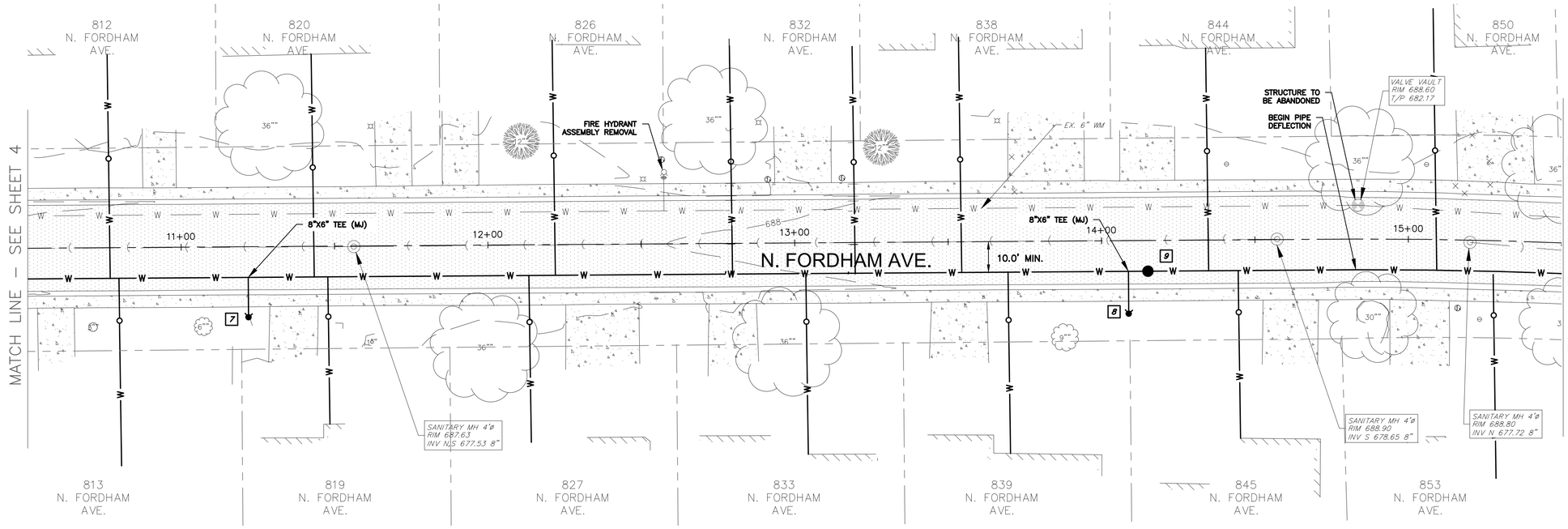

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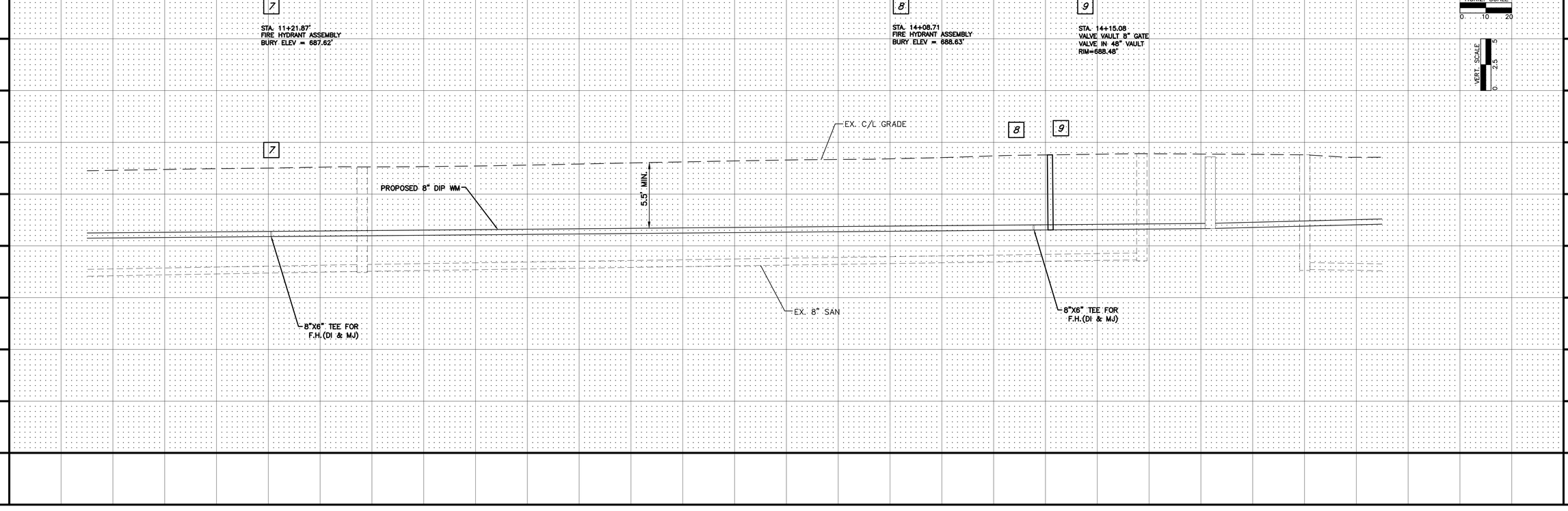

CITY OF AURORA ENGINEERING DIVISION 2185 LIBERTY STREET AURORA, ILLINOIS 60502	REVISIONS:				PROJECT	N. FORDHAM AVE. WATER MAIN REPLACEMENT	SHEET NUMBER 5
		DESIGNED BY: GL	CHECKED BY: GL	SCALE: 1" = 20'	SHEET TITLE	PLAN & PROFILE STA. 10+50 TO STA. 15+50	TOTAL SHEETS 10
		DRAWN BY: MH	APPROVED BY: JH	DATE: 3/2026			

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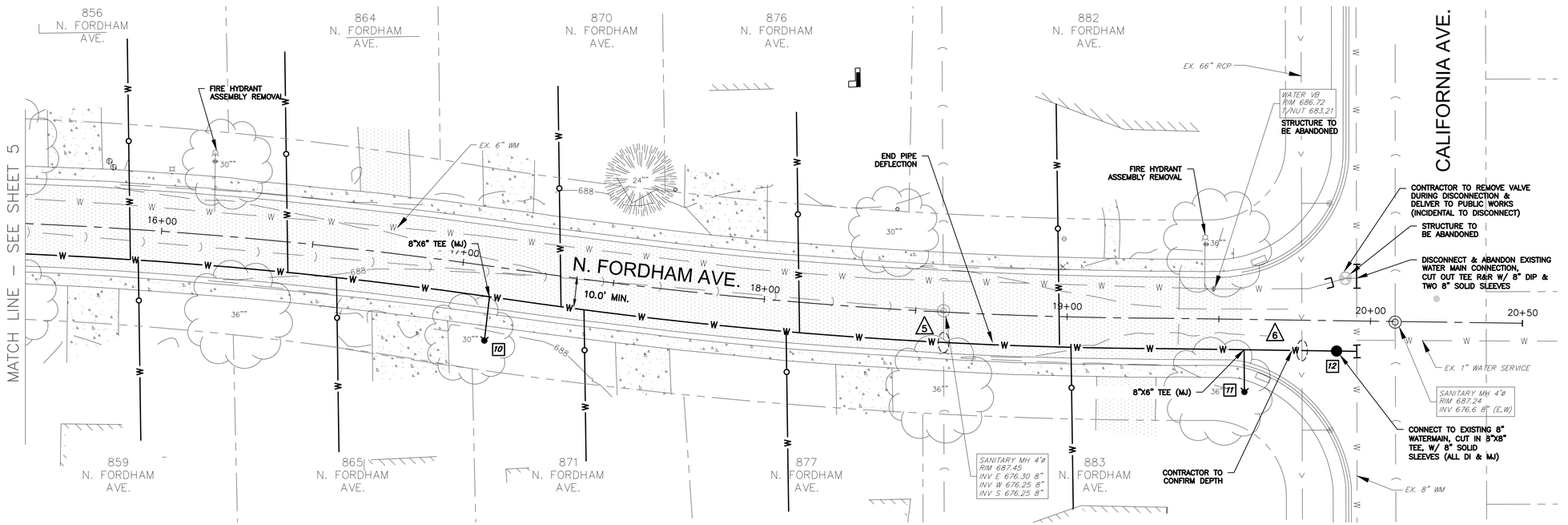

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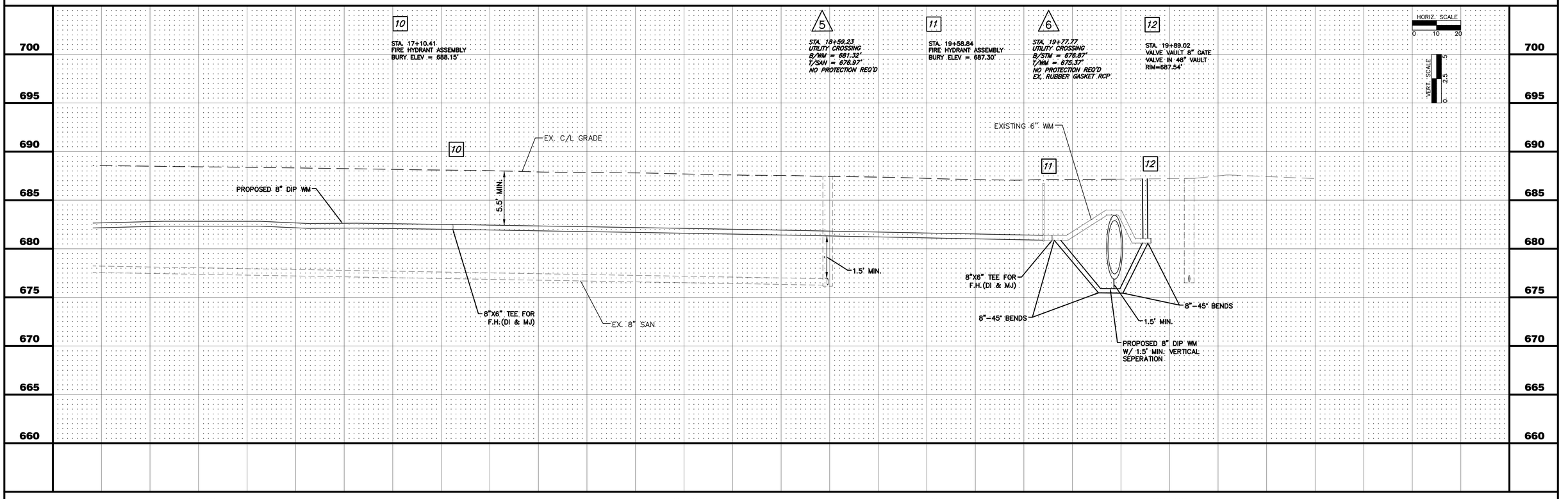

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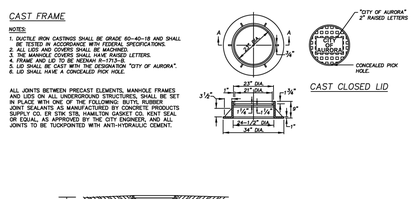
CITY OF AURORA ENGINEERING DIVISION 2185 LIBERTY STREET AURORA, ILLINOIS 60502	REVISIONS:			PROJECT	SHEET NUMBER
		DESIGNED BY: GL	CHECKED BY: GL	SCALE: 1" = 20'	N. FORDHAM AVE. WATER MAIN REPLACEMENT	6
		DRAWN BY: MH	APPROVED BY: JH	DATE: 3/2026	SHEET TITLE: PLAN & PROFILE STA. 15+50 TO STA. 20+50	TOTAL SHEETS 10

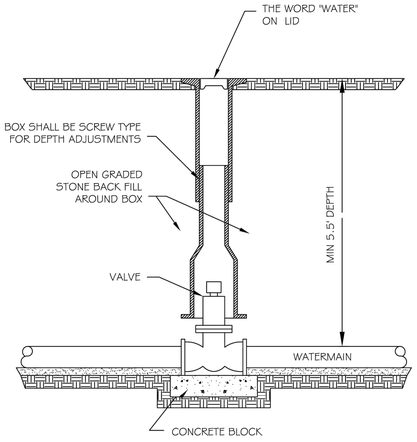


REFER TO THE STANDARD SPECIFICATIONS FOR IMPROVEMENTS FOR VALVE, VAULT, CORPORATION, PIPE, AND JOINT TYPES, MANUFACTURES, AND SIZES.

NOTES:

1. VALVE VAULTS TO BE PRECAST REINFORCED CONCRETE UNLESS OTHERWISE APPROVE.
2. PRO-RING AND ADHESIVE SEALANT (BY CRETEX) OR APPROVED EQUAL ADJUSTMENT RINGS SHALL BE USED FOR ALL ADJUSTMENTS UP TO A MAXIMUM ADJUSTMENT OF TEN INCHES (10").

REVISIONS			VALVE IN VAULT	
DATE: 02/24/20	BY: DGoewey			
02/04/22	CArmn	SCALE: NOT TO SCALE	CHECKED: DF	DRAWING NUMBER
		DATE: 1/04	DRAWN: NM	EXHIBIT III-C-4

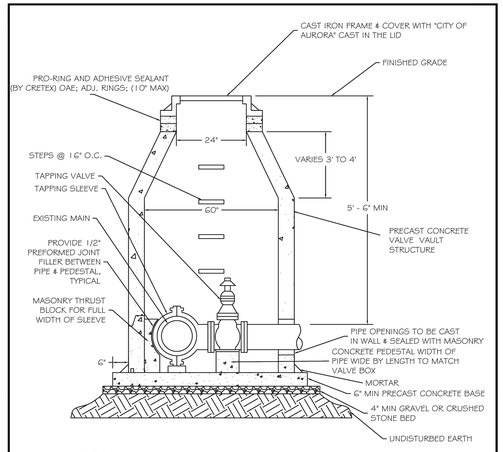


REFER TO THE STANDARD SPECIFICATIONS FOR IMPROVEMENTS FOR VALVE AND BOX TYPE, MANUFACTURE, AND SIZES.

NOTES:

1. ALL NUTS, BOLTS, AND THREADED RODS SHALL BE STAINLESS STEEL (SEE THE STANDARD SPECIFICATIONS FOR IMPROVEMENTS FOR STEEL GRADE).

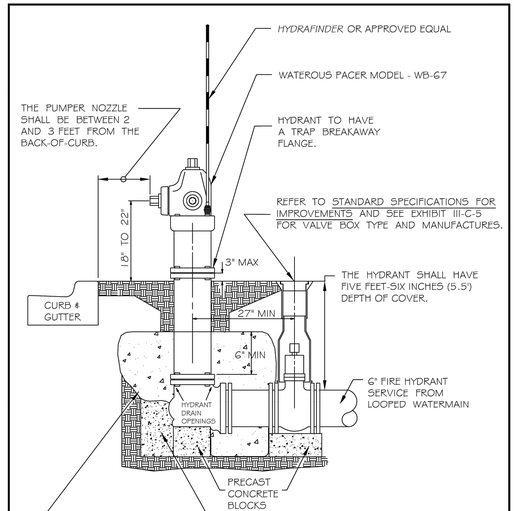
			TYPICAL VALVE & BOX	
DATE: 01/2011	BY: jhh			
		SCALE: NOT TO SCALE	CHECKED: DF	DRAWING NUMBER
		DATE: 1/04	DRAWN: NM	EXHIBIT III-C-5



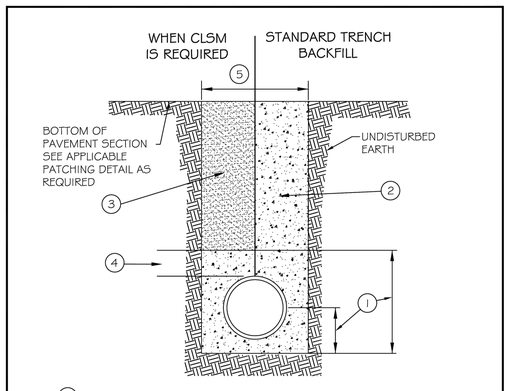
NOTES:

1. VALVE VAULT BARREL SECTION SHALL CONFORM TO ASTM C - 478.
2. REFER TO THE STANDARD SPECIFICATIONS FOR IMPROVEMENTS FOR VALVE, SLEEVE, AND STEPS TYPE AND MANUFACTURES.
3. REFER TO EXHIBITS III-A-1 AND III-C-1, TRENCH BACKFILL DETAILS, FOR BACKFILL AROUND VALVE VAULT STRUCTURE.

REVISIONS			PRESSURE CONNECTION	
DATE: 04/20	BY: DGoewey			
02/22	CArmn	SCALE: NOT TO SCALE	CHECKED: DF	DRAWING NUMBER
		DATE: 1/05	DRAWN:	EXHIBIT III-C-11

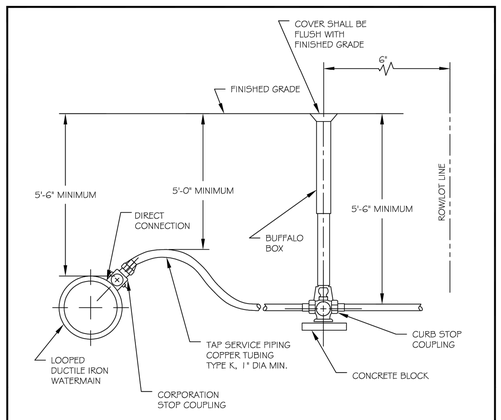


REVISIONS			HYDRANT INSTALLATION	
DATE: 02-26-20	BY: DGoewey			
02-04-22	CArmin	SCALE: NOT TO SCALE	CHECKED: DF	DRAWING NUMBER
		DATE: 8/02	DRAWN: NM / SAZ	EXHIBIT III-C-7



1. RIGID PIPE: CA-7 SHALL BE PLACED FROM 4" BELOW PIPE TO THE SPRING LINE. FLEXIBLE PIPE: CA-7 SHALL BE PLACED FROM 4" BELOW PIPE TO 1' OVER T.O.P.
2. CA-6 OR APPROVED TRENCH BACKFILL. FOR NON-PAVED AREAS: SELECT EXCAVATED MATERIAL MAY BE SUBSTITUTED FOR CA-6 AS DIRECTED BY THE ENGINEER.
3. CONTROLLED LOW-STRENGTH MATERIAL (CLSM) I.D.O.T. APPROVED MIX WHEN REQUIRED BY CITY ENGINEER.
4. ALL CLSM INSTALLATIONS REQUIRE CA-7 PLACEMENT TO 1' OVER T.O.P.
5. MAXIMUM TRENCH WIDTH IN ACCORDANCE WITH SECTION 20-4.05 STANDARD SPECIFICATIONS FOR WATER & SEWER CONSTRUCTION IN ILLINOIS - CURRENT EDITION

REVISIONS			SEWER TRENCH DETAIL PAVED & UNPAVED	
DATE: 04-18	BY: DGoewey			
		SCALE: NOT TO SCALE	CHECKED: LA	DRAWING NUMBER
		DATE: 1/04	DRAWN: DG	EXHIBIT III-A-1

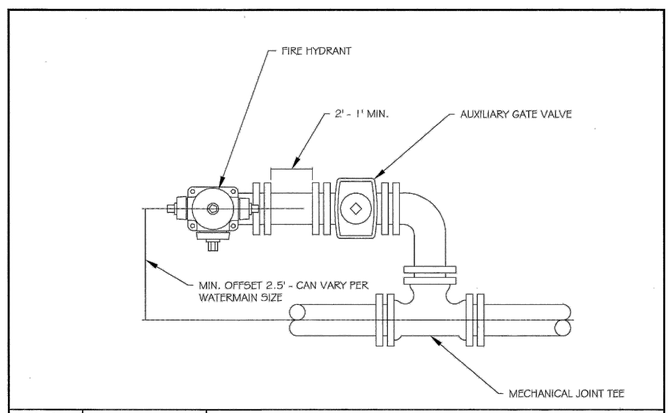


REFER TO THE STANDARD SPECIFICATIONS FOR IMPROVEMENTS FOR CORPORATION COUPLING, BUFFALO BOX, CURB BOX, AND PIPE MATERIAL, TYPE, MANUFACTURE, AND SIZES.

NOTES:

1. WHEN WATERMAIN IS LOCATED WITHIN AN EASEMENT RATHER THAN THE PUBLIC RIGHT-OF-WAY, THE BUFFALO-BOXES MUST ALSO BE LOCATED WITHIN THE EASEMENT AND WITHIN 2' OF THE WATERMAIN.

REVISIONS			TYPICAL WATER SERVICE TAP AND BOX	
DATE: 02-26-20	BY: DGoewey			
07-07-22	CArmn	SCALE: NTS	CHECKED: DF	DRAWING NUMBER
		DATE: 06/02	DRAWN: NM	EXHIBIT III-C-6



			OFFSET HYDRANT DETAIL	
DATE:	BY:			
		SCALE: NOT TO SCALE	CHECKED: DF	DRAWING NUMBER
		DATE: 3/09	DRAWN: DG	EXHIBIT III-C-12

CITY OF AURORA
ENGINEERING DIVISION
2185 LIBERTY ST.
AURORA, ILLINOIS 60502

REVISIONS:

DESIGNED BY:	GL	CHECKED BY:	GL	SCALE:	N.T.S.
DRAWN BY:	MH	APPROVED BY:	JH	DATE:	3/2026

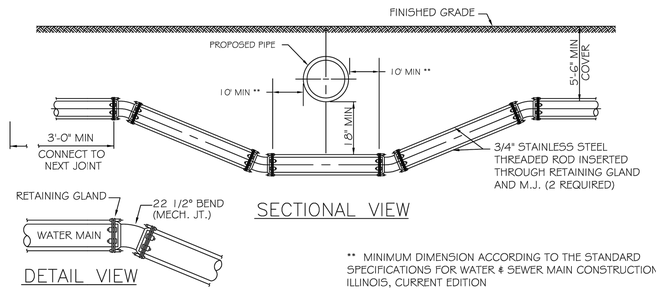
PROJECT: N. FORDHAM AVE. WATER MAIN REPLACEMENT

SHEET TITLE: STANDARD DETAILS

SHEET NUMBER: 7

TOTAL SHEETS: 10

PLOT DATE 3/5/2026 2:11 PM LAST SAVED BY Hennicha
FILEPATH P:\ENGINEERING\CAPITAL IMPROVEMENT PROJECTS\2026 PROJECTS\2026 WATER MAIN\N FORDHAM AVE\CAD\FINAL DRAWINGS\DETAILS - N FORDHAM.DWG



** MINIMUM DIMENSION ACCORDING TO THE STANDARD SPECIFICATIONS FOR WATER & SEWER MAIN CONSTRUCTION ILLINOIS, CURRENT EDITION

NOTES:
1) For sizes larger than 16", special design will be required.
2) In lieu of installing stainless steel rods, the mechanical joints can be restrained with the MegaLug Series 1100 as manufactured by EBBA Iron Inc, or approved equal. Also, the bell and spigot joints shall be restrained on either side of the mechanical joints by EBBA Iron 1700 series restraint or approved equal and the restraint distance shall be in accordance with Exhibits III-C-9 and III-C-10.

REVISIONS		WATER MAIN LOWERING DETAIL	
DATE: 04/18	BY: DGoewey		
		SCALE: NOT TO SCALE	CHECKED: DF
		DATE: 1/04	DRAWN: SAZ
			DRAWING NUMBER: EXHIBIT III-C-8

ENGINEERING

Minimum Restraint Length (ft) on both sides of the Fitting

Fitting Type/Nominal Size		6"	8"	12"	16"
11 ¼ ° Bend		2	3	4	6
22 ½ ° Bend		5	6	9	11
45 ° Bend		10	13	18	23
90 ° Bend		23	30	43	56
Dead End		31	40	57	74
Top Side of a Vertical Offset [1]		19	25	35	46
Tee Run x Branch [2]	6" BY	24			
Tee Run x Branch [2]	8" BY	22	34		
Tee Run x Branch [2]	12" BY	18	31	51	
Tee Run x Branch [2]	16" BY	14	28	48	67
Reducer [3]	8" BY	17			
Reducer [3]	12" BY	42	30		
Reducer [3]	16" BY	62	54	31	

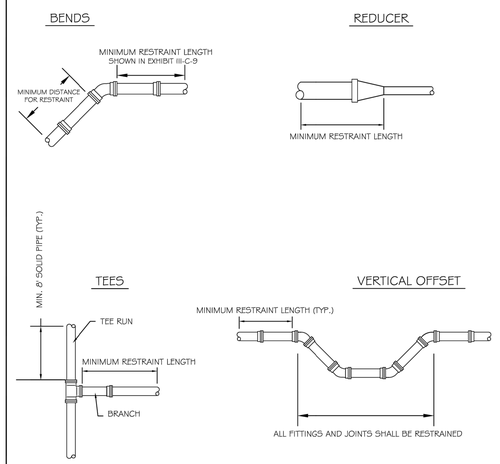
[1] All joints within the lowered section of the watermain shall be restrained or shall be solid pipe. The above distances reflect the required restraint distance on the normally elevated watermain either side of the 45° Fitting of the vertical offset (or lowering).

[2] Minimum of 8 ft of solid pipe is required on both sides of the fitting on the run side. Distance indicates the length of restraint on the branch side or the side perpendicular to the tee run watermain.

[3] Indicates the distance from the larger end of the reducer.

Notes: 1) All nuts and bolts shall be stainless steel.
2) The Entire restraint system from the fitting to the minimum restraint distance must be Inspected by The City of Aurora or it's representative prior to backfilling.

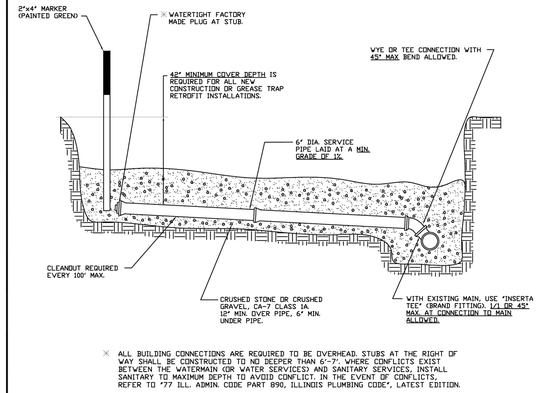
Engineering Department	Revisions Date:	By:	Watermain Restraint Length Table	
			Scale: None	Checked PJH
			Date: 2/04	Drawn: DF
				EXHIBIT III-C-9



NOTES:
1) THE EXACT LENGTHS FOR RESTRAINT ARE SHOWN IN EXHIBIT III-C-9

REVISIONS		WATER MAIN RESTRAINT DETAIL	
DATE:	BY:		
		SCALE: NOT TO SCALE	CHECKED: DF
		DATE: 1/04	DRAWN: NM
			DRAWING NUMBER: EXHIBIT III-C-10

ENGINEERING



WATERTIGHT FACTORY MADE PLUG AT STUB. ALL BUILDING CONNECTIONS ARE REQUIRED TO BE OVERHEAD. STUBS AT THE RIGHT OF WAY SHALL BE CONSTRUCTED TO NO DEEPER THAN 6'-7'. WHERE CONFLICTS EXIST BETWEEN THE WATERMAIN (OR WATER SERVICES) AND SANITARY SERVICES, INSTALL SANITARY TO MAXIMUM DEPTH TO AVOID CONFLICT. IN THE EVENT OF CONFLICTS, REFER TO "77 ILL. ADMIN. CODE PART 890, ILLINOIS PLUMBING CODE", LATEST EDITION.

NOTE

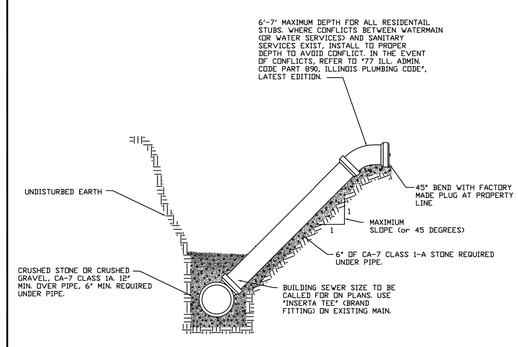
SELECT GRANULAR BACKFILL, REQUIRED UNDER PAVED AREAS, TO BE APPROVED BY APPROPRIATE CITY OR VILLAGE.

GREATER THAN 45 ° CONNECTION AT MAIN NOT ALLOWED

SANITARY SERVICE CONNECTION

Fox Metro
Water Reclamation District

DESIGNED FMWRD		REVISION	2023
DRAWN KZ		F Note Revisions	04/28/08
APPROVED KZ, MF		G Note Revisions	05/10/12
DATE 05-12-00		H Overhead & Misc. Note Revisions	02/24/17
SCALE NTS		I Depth of stub at R.O.W. note rev.	07/23/2020
SHEET 1		CAD DWG.	REVISION I
OF 1		JOB NO.	



NOTE

FOR SERVICE PIPE MATERIAL SEE SPECIFICATIONS ON PLANS. 6'-7' MAX. DEPTH FOR ALL RESIDENTIAL STUBS.

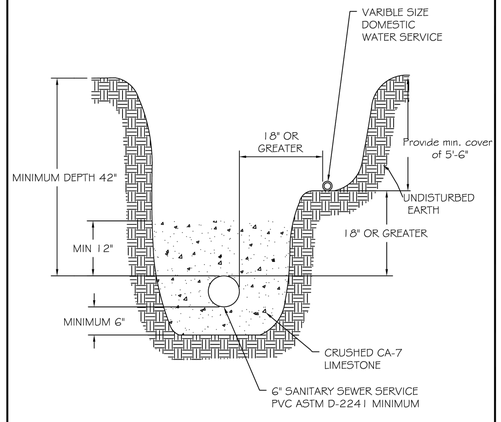
GREATER THAN 45 ° CONNECTION TO MAIN NOT ALLOWED

RISER CONNECTION FOR SERVICE LATERAL

Fox Metro
Water Reclamation District

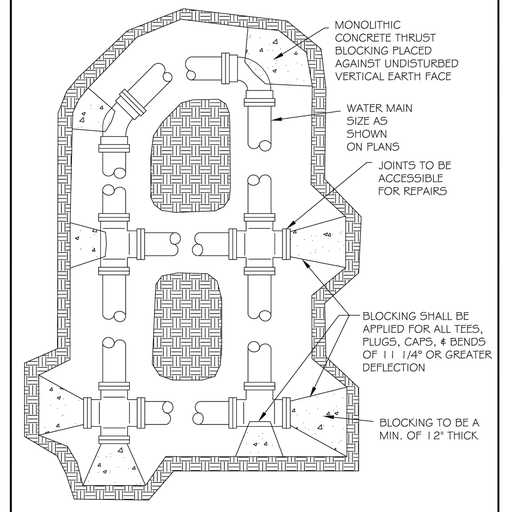
DESIGNED FMWRD		REVISION	2023
DRAWN KZ		E Riser & Conflict Notes	03/19/07
APPROVED KZ, MF		F Conflict Note	04/28/08
DATE 05-15-00		G Misc. Note Revisions	12/15/16
SCALE NTS		H "NOTE":12" riser note removed	12/29/2020
SHEET 1		CAD DWG.	REVISION H
OF 1		JOB NO.	

REQUIRED WHEN A SEPARATE TRENCH OR A TEN FOOT (10') MINIMUM SEPARATION IS NOT POSSIBLE. REFER TO THE STANDARD SPECIFICATIONS FOR WATER AND SEWER MAIN CONSTRUCTION IN ILLINOIS.



REVISIONS		SANITARY AND WATER SERVICE SEPARATION	
DATE: 01/2011	BY: JHS		
		SCALE: NOT TO SCALE	CHECKED: DF
		DATE: 1/04	DRAWN: NM
			DRAWING NUMBER: EXHIBIT III-C-2

ENGINEERING



REVISIONS		THRUST BLOCKING	
DATE: 01/2011	BY: JHS		
		SCALE: NOT TO SCALE	CHECKED: DF
		DATE: 1/04	DRAWN: NM
			DRAWING NUMBER: EXHIBIT III-C-3

ENGINEERING

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CITY OF AURORA
ENGINEERING DIVISION
2185 LIBERTY ST.
AURORA, ILLINOIS 60502

REVISIONS:

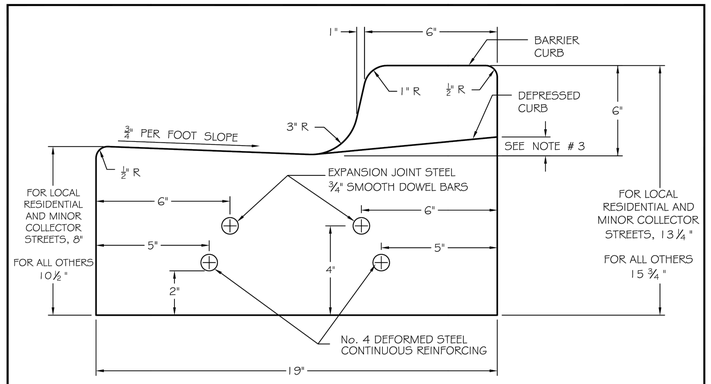
DESIGNED BY: GL	CHECKED BY: GL	SCALE: N.T.S.	
DRAWN BY: MH	APPROVED BY: JH	DATE: 3/2026	

PROJECT: N. FORDHAM AVE. WATER MAIN REPLACEMENT

SHEET TITLE: STANDARD DETAILS

SHEET NUMBER 8

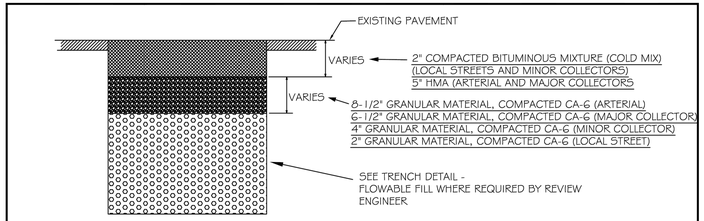
TOTAL SHEETS 10



NOTES: 1. CURB & GUTTER SHALL HAVE A LIGHT BROOM FINISH.
2. CURB & GUTTER TO BE PLACED ON MINIMUM COMPACTED 4" CA-7 LIMESTONE BASE.
3. EQUALS 2" AT DRIVEWAYS, ¾" MAXIMUM AT ACCESSIBLE CURB RAMPS.

REVISIONS		CONCRETE CURB & GUTTER	
DATE: 02/2013	BY: DG		
		SCALE: NOT TO SCALE	CHECKED: DF
		DATE: 1/04	DRAWN: NM
			DRAWING NUMBER: EXHIBIT II-C-4

ENGINEERING



NOTES :

1.) THE CONTRACTOR SHALL BE RESPONSIBLE FOR TRAFFIC CONTROL IN ACCORDANCE WITH I.D.O.T. SPECIFICATIONS.

2.) CONTRACTOR SHALL MONITOR AND MAINTAIN THE CONDITION OF THE TEMPORARY PATCH BY PLACING ADDITIONAL COLD MIX TO PROVIDE A SMOOTH RIDING SURFACE

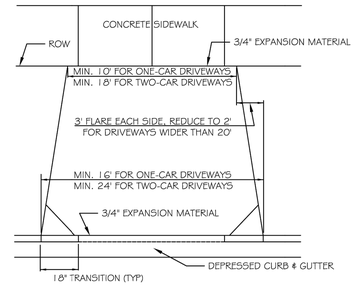
3.) THE CONTRACTOR SHALL COMPLETE A PERMANENT PATCH, PER APPROPRIATE DETAIL, WITHIN 14 CALENDAR DAYS OF THE COLD MIX PLACEMENT.

4.) WORK DONE AFTER DEC. 1ST. SHALL BE PERMANENTLY PATCHED BY MAY 15TH OF THE FOLLOWING YEAR.

5.) ALL MATERIAL SHALL MEET CURRENT I.D.O.T. STANDARD SPECIFICATIONS.

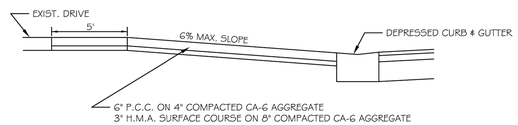
REVISIONS		TEMPORARY PATCH DETAIL	
DATE: 03-12-20	BY: DGoewey		
		SCALE: NOT TO SCALE	CHECKED: DF
		DATE: 1/04	DRAWN: NM
			DRAWING NUMBER: EXHIBIT II-C-1

ENGINEERING



PLAN VIEW

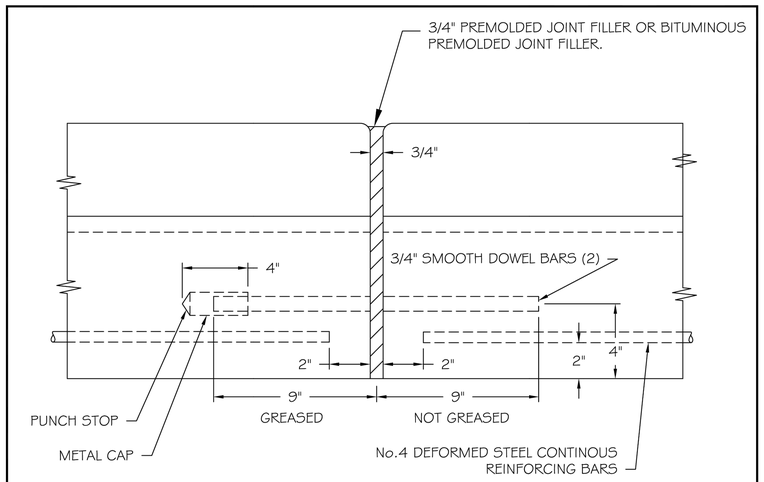
NOTES:
1. IN CITY OF AURORA ESTABLISHED HISTORIC DISTRICTS, DRIVEWAY DIMENSIONS SHALL BE ADJUSTED TO CONFORM TO THE APPROVED STANDARDS.
2. CONTRACTION JOINT DEPTH SHALL BE 1-1/4" MIN.
3. CONTRACTION JOINTS SHALL DIVIDE THE APRON INTO SLABS APPROXIMATELY SQUARE WITH NO SIDE LONGER THAN 8'.



PROFILE VIEW

REVISIONS		RESIDENTIAL DRIVE APPROACH	
DATE: 04/2018	BY: DGoewey		
		SCALE: NOT TO SCALE	CHECKED: DF
		DATE: 1/04	DRAWN: NM
			DRAWING NUMBER EXHIBIT II-C-7

ENGINEERING



REVISIONS		EXPANSION JOINT DETAIL	
DATE: 01/2013	BY: DG		
		SCALE: NOT TO SCALE	CHECKED: DF
		DATE: 1/04	DRAWN: NM
			DRAWING NUMBER: EXHIBIT II-C-12

ENGINEERING

CURB AND GUTTER GENERAL NOTES:

1. Contraction joints shall be placed ten (10) feet on centers and shall be saw cut to a minimum depth of two (2) inches from front to back within twenty four (24) hours of concrete placement.

2. The concrete material, curing, protection, and placement for all curb, combination curb and gutter or, depressed curb and gutter shall meet the requirements of Articles 606,1020, 1021, 1022, and 1023 of the State of Illinois "Standard Specifications for Road and Bridge Construction", latest edition. Membrane curing and concrete sealing shall be accompanied by W.R. Meadows CS-309 Cure and Seal or approved equal like Okon S-20. If the forecast indicates temperatures below 32° F, protection methods shall be installed in accordance with the Standard Specifications for Road and Bridge Construction and shall be approved by the City Engineer.

3. The minimum longitudinal curb slope shall be 0.40%.

4. Cuts into the existing curb shall be made full depth with full expansion joints drilled at each per Exhibit II-C-12 herein.

REVISIONS		CURB AND GUTTER GENERAL NOTES	
DATE: 01/2011	BY: jhs		
02/2013	DG	SCALE:	CHECKED:
		DATE: 03/08	DRAWN: J. MOORE
			DRAWING NUMBER EXHIBIT II-C-5

ENGINEERING

PLOT DATE 3/5/2026 2:11 PM LAST SAVED BY HenriqboA
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CITY OF AURORA
ENGINEERING DIVISION
2185 LIBERTY ST.
AURORA, ILLINOIS 60502

REVISIONS:

DESIGNED BY:	GL	CHECKED BY:	GL	SCALE:	N.T.S.
DRAWN BY:	MH	APPROVED BY:	JH	DATE:	3/2026

PROJECT: N. FORDHAM AVE. WATER MAIN REPLACEMENT

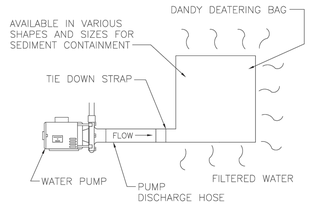
SHEET TITLE: STANDARD DETAILS

SHEET NUMBER 9

TOTAL SHEETS 10

DANDY DEWATERING BAG™ PLAN INSERT

The Dandy Dewatering Bag™ is not intended for any other use and should not be used for any other purpose.



The Dandy Dewatering Bag™ is designed to control sediment discharge in dewatering applications where water is being pumped.

Installation

1. Lifting straps, not included, should be placed under the Dandy Dewatering Bag™ to facilitate removal after use.
2. Place the Dandy Dewatering Bag™ on a level stabilized area over dense vegetation/straw, or Gravel (if increased drainage surface area is needed) or as detailed in plans.
3. Insert discharge hose from pump into the Dandy Dewatering Bag™ a minimum of six inches (6") and tightly secure with attached strap to prevent water from flowing out of the unit without being filtered.
4. Replace the unit when one half (1/2) full of sediment or when sediment has reduced the flow rate of the pump discharge to an impractical rate.

Maintenance

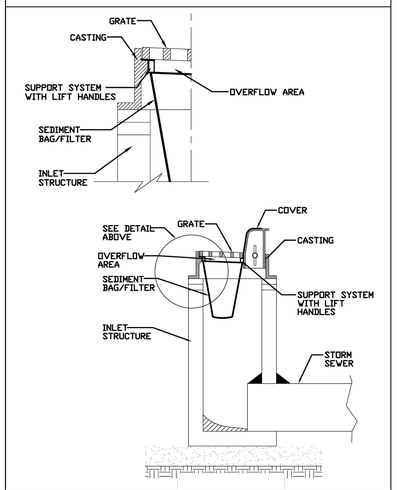
Remove and dispose of the sediment in a manner satisfactory to the engineer/inspector or in one of the following ways:

1. Remove the unit and sediment from environmentally sensitive area and waterways. At the approved disposal site open or slit unit, remove sediment and grade smoothly into existing topography. Dispose of the Dandy Dewatering Bag™ no longer in use, at an appropriate recycling or solid waste facility.
2. Bury unit on site; remove visible fabric and seed.

DANDY PRODUCTS, INC.
2011 HARRISBURG PIKE, SUITE R
GROVE CITY, OHIO 43123

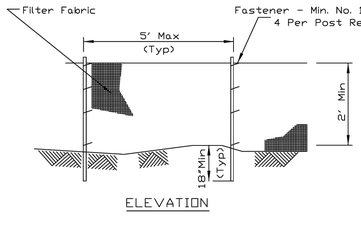
1-800-591-2284
(local) 614-875-2284
FAX: 614-875-6305
E-MAIL: dandy@dandyproducts.com
www.dandyproducts.com

INLET PROTECTION - PAVED AREAS
DROP-IN PROTECTION

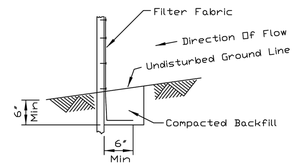


REFERENCE		STANDARD DWG. NO.
Project		IUM-561D
Designed ____ Date ____		SHEET 1 OF 1
Checked ____ Date ____		DATE 01-11-11
Approved ____ Date ____		

SILT FENCE PLAN



ELEVATION

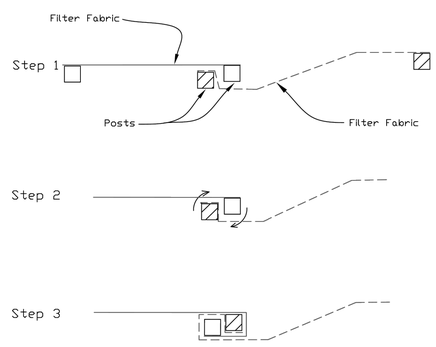


FABRIC ANCHOR DETAIL

NOTES:
1. Temporary sediment fence shall be installed prior to any grading work in the area to be protected. They shall be maintained throughout the construction period and removed in conjunction with the final grading and site stabilization.
2. Filter fabric shall meet the requirements of material specification 592 Geotextile Table 1 or 2, Class I with equivalent opening size of at least 30 for nonwoven and 50 for woven.
3. Fence posts shall be either standard steel post or wood post with a minimum cross-sectional area of 3.0 sq. in.

REFERENCE		STANDARD DWG. NO.
Project	NRCS Natural Resources Conservation Service	IL-620
Designed ____ Date ____		SHEET 1 OF 2
Checked ____ Date ____		DATE 11-20-01
Approved ____ Date ____		

SILT FENCE - SPLICING TWO FENCES



ATTACHING TWO SILT FENCES

1. Place the end post of the second fence inside the end post of the first fence.
2. Rotate both posts at least 180 degrees in a clockwise direction to create a tight seal with the fabric material.
3. Cut the fabric near the bottom of the stakes to accommodate the 6" flap.
4. Drive both posts a minimum of 18 inches into the ground and bury the flap.
5. Compact backfill (particularly at splices) completely to prevent stormwater piping.

REFERENCE		STANDARD DWG. NO.
Project		IUM-620B(W)
Designed ____ Date ____		SHEET 1 OF 1
Checked ____ Date ____		DATE 3-16-2012
Approved ____ Date ____		

KANE-DUPAGE SOIL AND WATER CONSERVATION DISTRICT STANDARD NOTES

UNLESS OTHERWISE INDICATED, ALL VEGETATIVE AND STRUCTURAL EROSION AND SEDIMENT CONTROL PRACTICES WILL BE CONSTRUCTED ACCORDING TO MINIMUM STANDARDS AND SPECIFICATIONS IN THE ILLINOIS URBAN MANUAL REVISED FEBRUARY 2002.

THE KANE-DUPAGE SOIL AND WATER CONSERVATION DISTRICT(KDSWCD) MUST BE NOTIFIED ONE WEEK PRIOR TO THE PRE-CONSTRUCTION CONFERENCE, ONE WEEK PRIOR TO THE COMMENCEMENT OF LAND DISTURBING ACTIVITIES, AND ONE WEEK PRIOR TO THE FINAL INSPECTION.

A COPY OF THE APPROVED EROSION AND SEDIMENT CONTROL PLAN SHALL BE MAINTAINED ON THE SITE AT ALL TIMES.

PRIOR TO COMMENCING LAND DISTURBING ACTIVITIES IN AREAS OTHER THAN INDICATED ON THESE PLANS (INCLUDING BUT NOT LIMITED TO , ADDITIONAL PHASES OF DEVELOPMENT AND OFF-SITE BORROW OR WASTE AREAS) A SUPPLEMENTARY EROSION CONTROL PLAN SHALL BE SUBMITTED TO THE OWNER FOR REVIEW BY THE KDSWCD.

THE CONTRACTOR IS RESPONSIBLE FOR INSTALLATION OF ANY ADDITIONAL EROSION CONTROL MEASURES NECESSARY TO PREVENT EROSION AND SEDIMENTATION AS DETERMINED BY THE KDSWCD.

DURING DEWATERING OPERATIONS, WATER WILL SHALL BE PUMPED INTO SEDIMENT BASINS OR SILT TRAPS. DEWATERING DIRECTLY INTO FIELD TILES OR STORM WATER STRUCTURES IS PROHIBITED.
IT IS THE RESPONSIBILITY OF THE LANDOWNER AND/OR GENERAL CONTRACTOR TO INFORM AND SUB-CONTRACTOR(S) WHO MAY PERFORM WORK ON THIS PROJECT, OF THE REQUIREMENTS IN IMPLEMENTING AND MAINTAINING THESE EROSION CONTROL PLANS AND THE NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES) PERMIT REQUIREMENTS SET FORTH BY THE ILLINOIS EPA.

ALL DROP INLETS ON OR ADJACENT TO THE SITE MUST HAVE A SEDIMENT TRAPPING OR CONTAINMENT DEVICE INSTALLED DURING CONSTRUCTION ACTIVITIES.

ALL ADJACENT STREETS SHALL BE KEPT CLEAR OF DEBRIS, INSPECTED DAILY, AND CLEANED WHEN NECESSARY.

ALL EROSION CONTROL MEASURES SHALL BE INSPECTED WEEKLY AND AFTER EACH RAINFALL EVENT OF 0.5" OR MORE.

IN AREAS WHERE WORK IS COMPLETE, PERMANENT STABILIZATION SHALL OCCUR WITHIN 7 DAYS OF COMPLETION, AND IN AREAS WHERE WORK HAS TEMPORARILY CEASED FOR 21 DAYS OR MORE, TEMPORARY STABILIZATION SHALL OCCUR BY THE 14TH DAY AFTER WORK HAS CEASED.

THE CONDITION OF THE CONSTRUCTION SITE FOR WINTER SHUTDOWN SHALL BE ADDRESSED EARLY IN THE FALL GROWING SEASON SO THAT SLOPES AND OTHER BARE EARTH AREAS MAY BE STABILIZED WITH TEMPORARY AND/OR PERMANENT VEGETATIVE COVER FOR PROPER EROSION AND SEDIMENT CONTROL. ALL OPEN AREAS THAT ARE TO REMAIN IDLE THROUGHOUT THE WINTER SHALL RECEIVE TEMPORARY EROSION CONTROL MEASURES INCLUDING TEMPORARY SEEDING, MULCHING, AND/OR EROSION CONTROL BLANKET PRIOR TO THE END OF THE FALL GROWING SEASON. THE AREAS TO BE WORKED BEYOND THE END OF THE GROWING SEASON MUST INCORPORATE SOIL STABILIZATION MEASURES THAT DO NOT RELY ON VEGETATIVE COVER SUCH AS EROSION CONTROL BLANKET AND HEAVY MULCHING.

SOIL STABILIZATION TABLE

REQUIRED FOR ALL DISTURBED GRASS AREAS

CITY OF AURORA MIX

261 LBS./AC.
- 24.93% ASAP PERENIAL RYEGRASS
- 24.46 % CADDIESHACK PERENNIAL RYGRASS
- 24.33% GOALKEEPER PERENNIAL RYEGRASS
- 12.37% GERONIMO KENTUCKY BLUEGRASS
- 12.29% KENTUCKY BLUEGRASS (VARIETY NOT STATED)
- 1.34% INERT MATTER
- 0.28% CROP
- 0.00% WEED

MULCH: MECHANICALLY CRIMPED STRAW OR HYDRO-MULCH

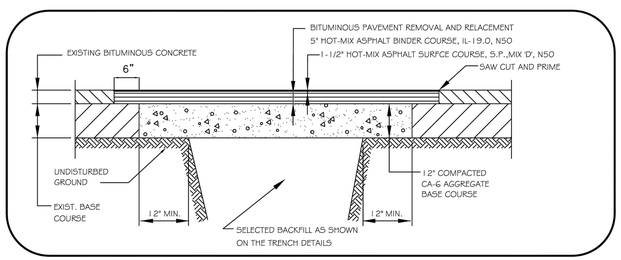
CONTRACTOR'S CERTIFICATION:

I CERTIFY UNDER PENALTY OF LAW THAT I UNDERSTAND THE TERMS AND CONDITIONS OF THE GENERAL NATIONAL POLLUTION DISCHARGE ELIMINATION SYSTEM (NPDES) PERMIT (ILR10) THAT AUTHORIZES THE STORM WATER DISCHARGES ASSOCIATED WITH INDUSTRIAL ACTIVITY FROM THE CONSTRUCTION SITE IDENTIFIED AS PART OF THIS CERTIFICATION

SIGNED ____ DATE ____

PRINT NAME ____

NAME OF COMPANY ____



PAVEMENT RESTORATION
FOR RESIDENTIAL STREETS AND MINOR COLLECTORES

Water mains and water service lines shall be protected from sanitary sewers, storm sewers, combined sewers, house sewer service connections and drains as follows:

a) Water Mains:

1) Horizontal Separation:

A) Water mains shall be laid at least ten feet horizontally from any existing or proposed drain, storm sewer, sanitary sewer, combined sewer or sewer service connection.

B) Water mains may be laid closer than ten feet to a sewer line when:

i) local conditions prevent a lateral separation of ten feet;

ii) the water main invert is at least 18 inches above the crown of the sewer; and

iii) the watermain is either in a separate trench or in the same trench on an undisturbed earth shelf located to one side of the sewer.

C) Both the water main and drain or sewer shall be constructed of slip-on or mechanical joint cast or ductile iron pipe, asbestos-cement pressure pipe, prestressed concrete pipe, or PVC pipe meeting the requirements of Section 653.111 when it is impossible to meet (A) or (B) above. The drain or sewer shall be pressure tested to the maximum expected surcharge head before backfilling.

2) Vertical Separation:

A) A water main shall be laid so that its invert is 18 inches above the crown of the drain or sewer whenever water mains cross storm sewers, sanitary sewers or sewer service connections. The vertical separation shall be maintained for that portion of the water main located within ten feet horizontally of any sewer or drain crossed. A length of water main pipe shall be centered over the sewer to be crossed with joints equidistant from the sewer or drain.

B) Both the water main and sewer shall be constructed of slip-on or mechanical joint cast or ductile iron pipe, asbestos-cement pressure pipe, prestressed concrete pipe, or PVC pipe meeting requirements of Section 653.111 when:

i) it is impossible to obtain the proper vertical separation as described in (A) above; or

ii) the water main passes under a sewer or drain.

C) A vertical separation of 18 inches between the invert of the sewer or drain and the crown of the water main shall be maintained where a water main crosses under a sewer. Support the sewer or drain lines to prevent settling and breaking the water main.

D) Construction shall extend on each side of the crossing until the normal distance from the water main to the sewer or drain line is at least ten feet.

b) Water Service Lines:

1) The horizontal and vertical separation between water service lines and all storm sewers, sanitary sewers, combined sewers or any drain or sewer service connection shall be the same as water main separation described in (a) above.

2) Water pipe described in (a) above shall be used for sewer service lines when minimum horizontal and vertical separation cannot be maintained.

c) Special Conditions - Alternate solutions shall be presented to the Agency when extreme topographical, geological or existing structural conditions make strict compliance with (a) and (b) above technically and economically impractical. Alternate solutions will be approved provided watertight construction structurally equivalent to approved water main material is proposed.

d) Water mains shall be separated from septic tanks, disposal fields and seepage beds by a minimum of 25 feet.

e) Water mains and water service lines shall be protected against entrance of hydrocarbons through diffusion through any material used in construction of the line.

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CITY OF AURORA
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DRAWN BY:	MH	APPROVED BY:	JH	DATE:	3/2026

PROJECT: N. FORDHAM AVE. WATER MAIN REPLACEMENT

SHEET TITLE: STANDARD DETAILS

SHEET NUMBER: 10

TOTAL SHEETS: 10