

AURORA ILLINOIS

PLANS FOR THE PROPOSED

LIBERTY ST., BECKWITH ST., CATHERINE ST., & SOLFISBURG AVE.

WATER MAIN REPLACEMENT

BETWEEN GROVE ST. AND LIBERTY ST.

INCLUDING LIBERTY ST. BETWEEN BECKWITH ST. AND CATHERINE ST.

AND SOLFISBURG AVE. BETWEEN BECKWITH ST. AND CRANE AVE.

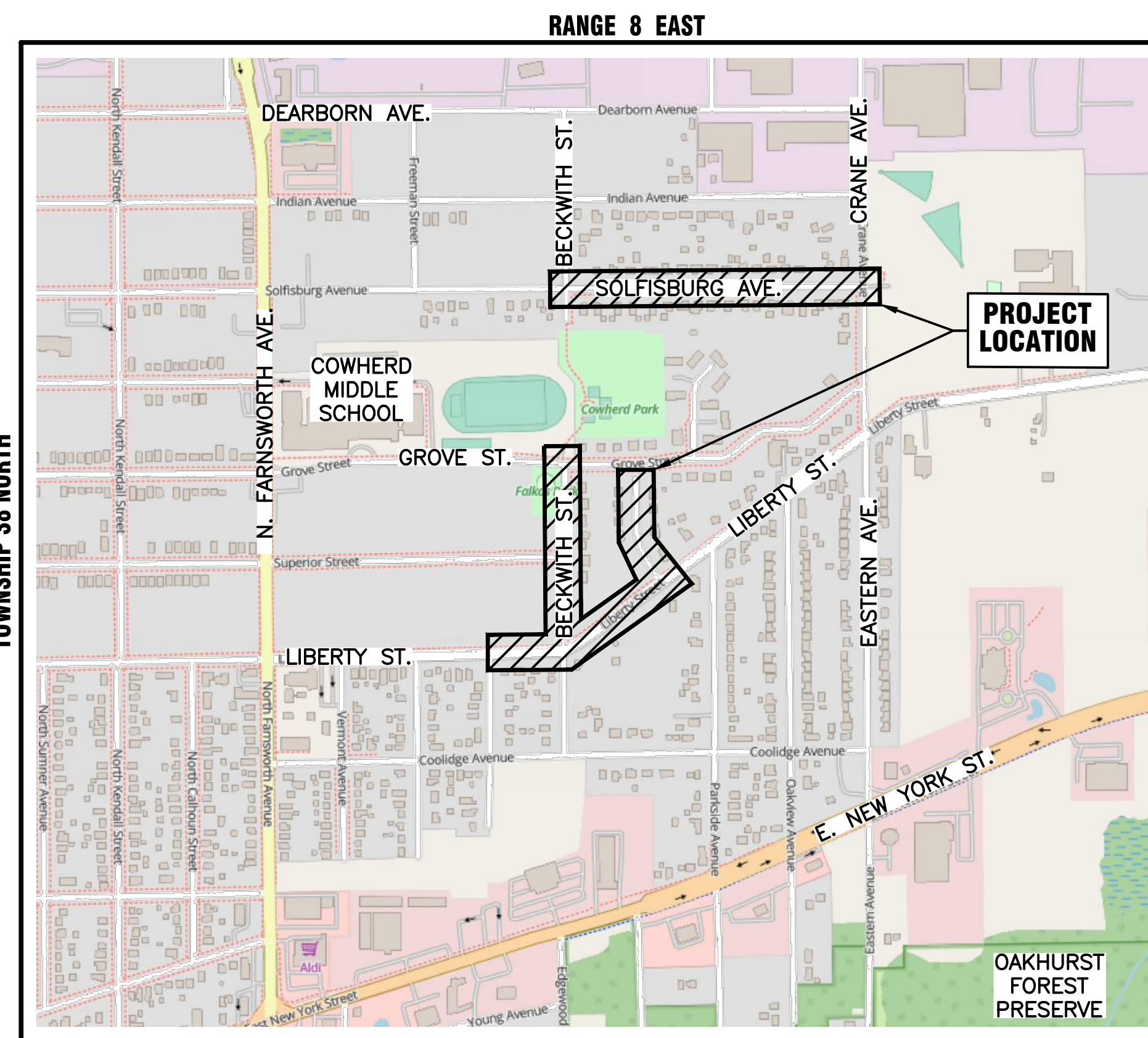
JANUARY 2026

GENERALLY LOCATED IN THE NW 1/4 OF SEC. 24, T38N, R8E

INDEX OF SHEETS

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- 2 OVERALL PLAN
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- 12 - 15 STANDARD DETAILS

LEGEND		
EXISTING	PROPOSED	
SANITARY SEWER		
STORM SEWER		
WATER MAIN		
FORCE MAIN		
UNDERDRAIN		
OVERHEAD LINE		
CABLE TV LINE		
GAS LINE		
TELEPHONE LINE		
ELECTRIC LINE		
FENCE		
MAJOR CONTOUR		
MINOR CONTOUR		
HIGH WATER LEVEL		
NORMAL WATER LEVEL		
PAVEMENT FLOW DIRECTION		
SPOT ELEVATION		
TOP OF CURB ELEVATION		
TOP OF FOUNDATION ELEVATION		
GUTTER ELEVATION		
PAVEMENT ELEVATION		
EDGE OF PAVEMENT		
CURB AND GUTTER		
RIGHT-OF-WAY		
SANITARY MANHOLE		
SANITARY CLEANOUT		
STORM MANHOLE		
CATCH BASIN		
INLET		
FLARED END SECTION		
FIRE HYDRANT		
VALVE VAULT		
VALVE BOX		
STREET LIGHT		
POWER POLE		
STREET SIGN		
ELECTRIC BOX		
TELEPHONE BOX		
TELEPHONE MANHOLE		
B-BOX		
GAS VALVE		
TRAFFIC HANDHOLE		
ELECTRIC HANDHOLE		
TREE W/ DIAMETER		
MAILBOX		
STRUCTURE TO BE REMOVED		
PLUG EXISTING PIPE		
UTILITY CROSSING		
EXPLORATORY EXCAVATION LOCATION		
SANITARY MANHOLE REHABILITATION NUMBER		
SOIL BORING LOCATION WITH IDENTIFICATION NUMBER & ELEVATION		



KANE COUNTY - AURORA TOWNSHIP
THIRD PRINCIPAL MERIDIAN

LOCATION MAP
NOT TO SCALE

Dial 811 or 1-800-892-0123



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
2185 LIBERTY STREET, AURORA, IL 60502

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

REVISIONS:

2/19/26 GL - SOLFISBURG AVE. ADDITION

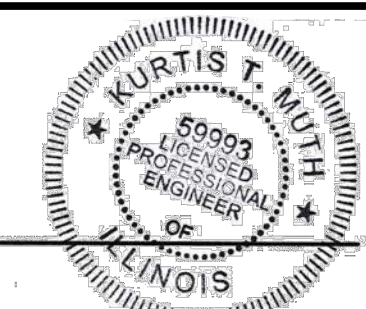
DESIGNED BY: GL	DRAWN BY: MH	CHECKED BY: GL	APPROVED BY: KTM	HORIZ. SCALE: N/A	DATE: JAN. 2026
				VERT. SCALE: N/A	

STAMP

ILLINOIS REGISTERED PROFESSIONAL

ENGINEER No.

LICENSE EXPIRES



DATE

062.59993

NOVEMBER 30, 2027

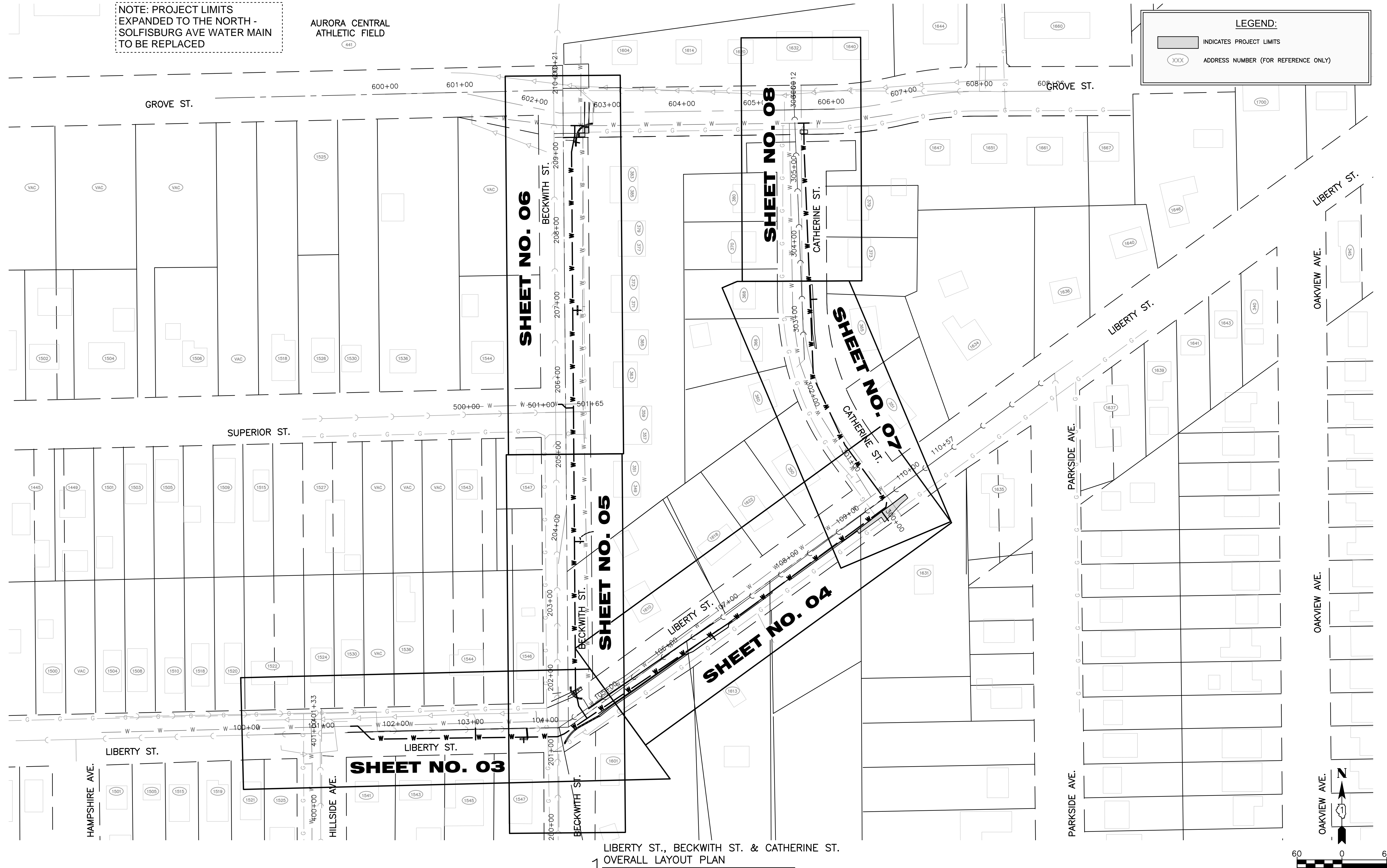
NOTE: PROJECT LIMITS EXPANDED TO THE NORTH - SOLFISBURG AVE WATER MAIN TO BE REPLACED

AURORA CENTRAL ATHLETIC FIELD

LEGEND:

INDICATES PROJECT LIMITS

XXX ADDRESS NUMBER (FOR REFERENCE ONLY)



LIBERTY ST., BECKWITH ST. & CATHERINE ST.
OVERALL LAYOUT PLAN

SCALE: 1"=60'

COMPANY NAME: ILLINOIS STATE ENGINEERING & ARCHITECTURE, INC.
PROJECT CONTACT: ILLINOIS STATE ENGINEERING & ARCHITECTURE, INC.
DATE PLOTTED: 1/12/2026 8:23 AM
FILE NAME: 2402297.01-Overall
PLOT DRIVER: DWG TO PDF.pc3
PEN TABLE: ILDOT-Standard.ctb

USER NAME = MLEWIS	DESIGNED - GIL	REVISED -
FILE NAME = 2402297.01-Overall	DRAWN - MPL	REVISED -
PLOT SCALE = 1"=60'	CHECKED - CL/KM	REVISED -
PLOT DATE = 1/12/2026	DATE - 01/12/2026	REVISED -

CITY OF AURORA
LIBERTY ST., BECKWITH ST., CATHERINE ST., & SOLFISBURG AVE.
WATER MAIN REPLACEMENT

OVERALL PLAN
SCALE: 1"=60' SHEET NO. 01 OF 01 SHEETS STA. TO STA.

MUN. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
		KANE	15	02
CONTRACT NO. _____				
ILLINOIS FED. AID PROJECT				

SEE SHEET NO. 05
FOR IMPROVEMENTS ON BECKWITH ST.

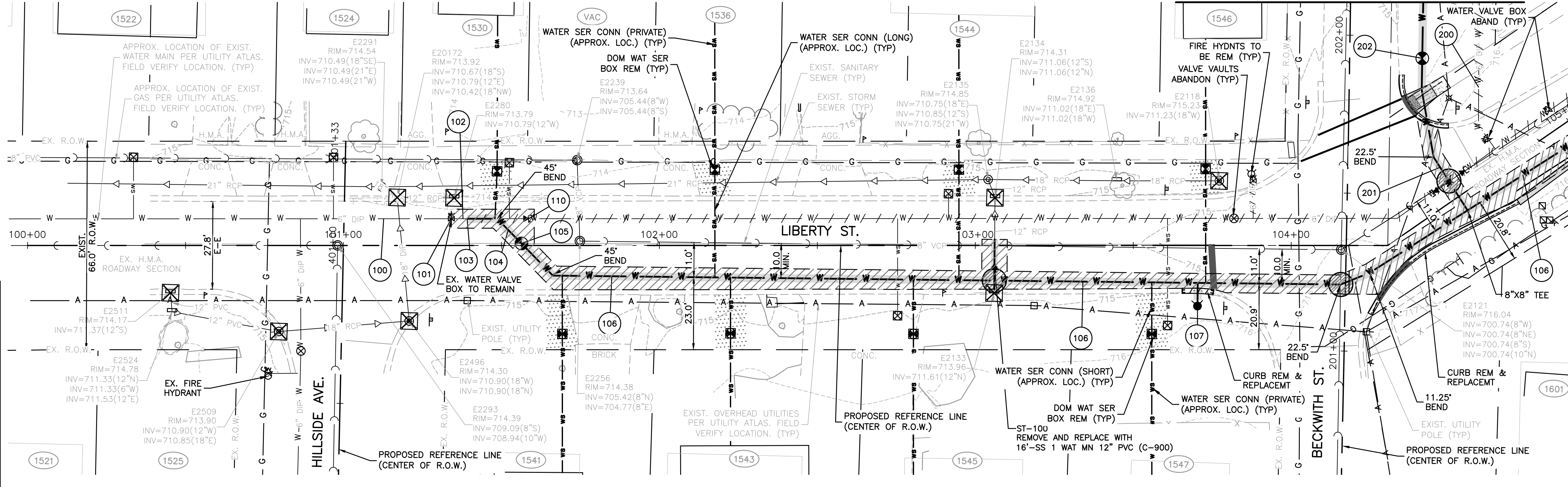
MATCH LINE STA. 105+00
SEE SHEET NO. 04

PLAN AND PROFILE LEGEND:

- INDICATES VALVE AND VALVE VAULT
- INDICATES FIRE HYDRANT WITH AUX VALVE
- INDICATES B-BOX
- INDICATES CUT AND CAP
- DENOTES W.M. QUALITY PIPE CASING
- INDICATES TRENCH BACKFILL
- INDICATES MAINTAIN I.E.P.A.'S VERTICAL SEPARATION REQUIREMENTS
- INDICATES PAVEMENT REMOVAL AND REPLACEMENT (FULL DEPTH)
- INDICATES SIDEWALK REMOVAL AND REPLACEMENT
- INDICATES DRIVEWAY PAVEMENT REMOVAL
- INDICATES SAWCUT
- INDICATES PIPE REMOVAL OR ABANDONMENT
- INDICATES RESTORATION, SEEDING CL 1A SEEDING WITH TOPSOIL F&P 4" (TYP)

WATER MAIN TAGS

100 EX. 6" W.M.	110 CUT & CAP EX 6 WM WITH D.I. & MJ
101 EX. VALVE AND VALVE BOX	200 EX. 6" W.M.
102 EX. 6" W.M.	201 52' - D I WATER MAIN 8" WITH D.I, BENDS, TEE'S
103 CONN TO EX W MAIN 6 8" x 6" REDUCER DI SOLID SLEEVE 6	202 VV TA 4 DIA T1F CL 8" GATE VALVE RIM= 715.80
104 20' - D I WATER MAIN 8" WITH D.I, BENDS, TEE'S & REDUCER	
105 VV TA 4 DIA T1F CL 8" GATE VALVE RIM= 714.38	
106 839' - D I WATER MAIN 8" WITH D.I, BENDS, TEE'S & REDUCER	
107 FIRE HYD W/AUX V & VB BURY ELEV.= 715.65	

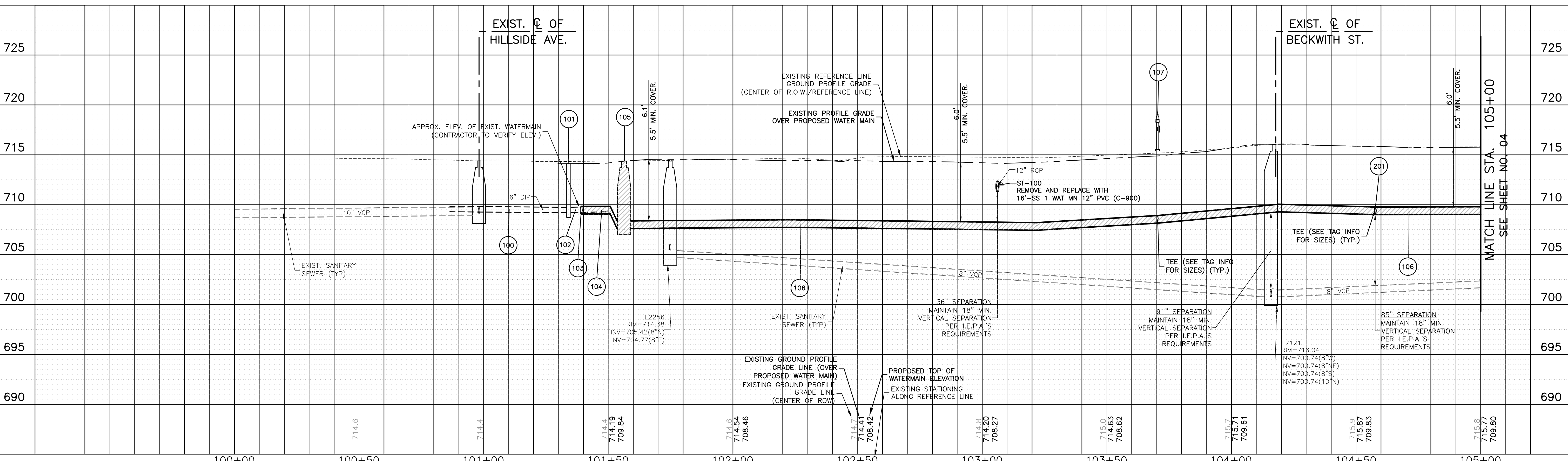
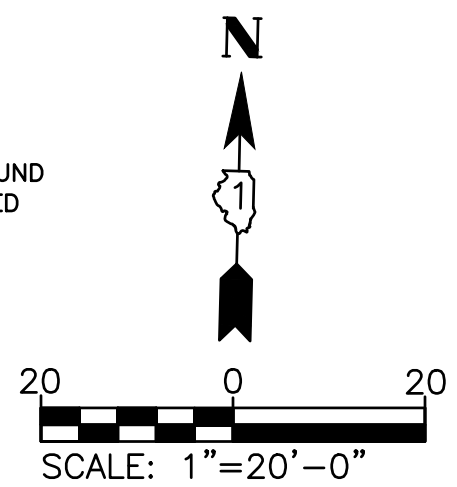


- CONCRETE SIDEWALK REMOVAL AND REPLACEMENT
- ADA CURB RAMP
- ADA DETECTABLE WARNINGS
- CONCRETE CURB & GUTTER REMOVAL AND REPLACEMENT
- DEPRESSED CURB

INLET AND PIPE PROTECTION

Exist. Structure No.	Station	Side	Quantity EACH
E2511	100+45.23	RT	1
E2509	100+79.53	RT	1
E20172	101+17.00	LT	1
E2496	101+20.81	RT	1
E2280	101+35.05	LT	1
E2133	103+05.98	RT	1
E2134	103+06.24	LT	1

- NOTE:**
- ALL FITTING 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)
 - CONTRACTOR SHALL INSTALL 2" COPPER WHIPS INSIDE VALVE VAULTS AT EACH INTERSECTION (INCIDENTAL)
 - FRANCHISE UTILITIES (GAS, UNDERGROUND ELECT, PHONE & CABLE) ARE ASSUMED 32" - 36" BURIED DEPTH UNLESS OTHERWISE NOTED. CONTRACTOR TO VERIFY & COORDINATE WITH THE FRANCHISE UTILITY COMPANY OWNER.



PLAN

DATE	
BY	
NO.	
FILE NAME	
DATE PLOTTED	
FILE NAME	
DATE PLOTTED	
FILE NAME	
DATE PLOTTED	

PROFILE

DATE	
BY	
NO.	
FILE NAME	
DATE PLOTTED	
FILE NAME	
DATE PLOTTED	
FILE NAME	
DATE PLOTTED	

COMPANY NAME: MLEWIS
PROJECT CONTACT: MLEWIS
DATE PLOTTED: 1/12/2026 8:24 AM
FILE NAME: 2402297.01-PnP-100-Liberty-St
CLIENT: CITY OF AURORA
DWG TO: PDF
PLOT DRIVER: Ildot-Standard.ctb
PEN TABLE:

USER NAME = MLEWIS	DESIGNED - GIL	REVISED -	<p>CITY OF AURORA LIBERTY ST., BECKWITH ST., CATHERINE ST., & SOLFISBURG AVE.</p> <p>LIBERTY ST. WATER MAIN PLAN AND PROFILE</p>	MUN. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
FILE NAME = 2402297.01-PnP-100-Liberty-St	DRAWN - MPL	REVISED -		SCALE: 1"=20'		KANE	15	03
PLOT SCALE = 1"=20'	CHECKED - CL/KM	REVISED -		SHEET NO. 01 OF 02 SHEETS	STA. 100+00 TO STA. 105+00			
PLOT DATE = 1/12/2026	DATE - 01/12/2026	REVISED -		CONTRACT NO. _____		ILLINOIS FED. AID PROJECT		

PLAN AND PROFILE LEGEND:

- INDICATES VALVE AND VALVE VAULT
- INDICATES FIRE HYDRANT WITH AUX VALVE
- INDICATES B-BOX
- INDICATES CUT AND CAP
- DENOTES W.M. QUALITY PIPE CASING
- INDICATES TRENCH BACKFILL
- INDICATES MAINTAIN I.E.P.A.'S VERTICAL SEPARATION REQUIREMENTS
- INDICATES PAVEMENT REMOVAL AND REPLACEMENT (FULL DEPTH)
- INDICATES SIDEWALK REMOVAL AND REPLACEMENT
- INDICATES DRIVEWAY PAVEMENT REMOVAL
- INDICATES RESTORATION, SEEDING CL 1A SEEDING WITH TOPSOIL F&P 4" (TYP)
- INDICATES SAWCUT
- INDICATES PIPE REMOVAL OR ABANDONMENT
- INDICATES RESTORATION, SEEDING CL 1A SEEDING WITH TOPSOIL F&P 4" (TYP)

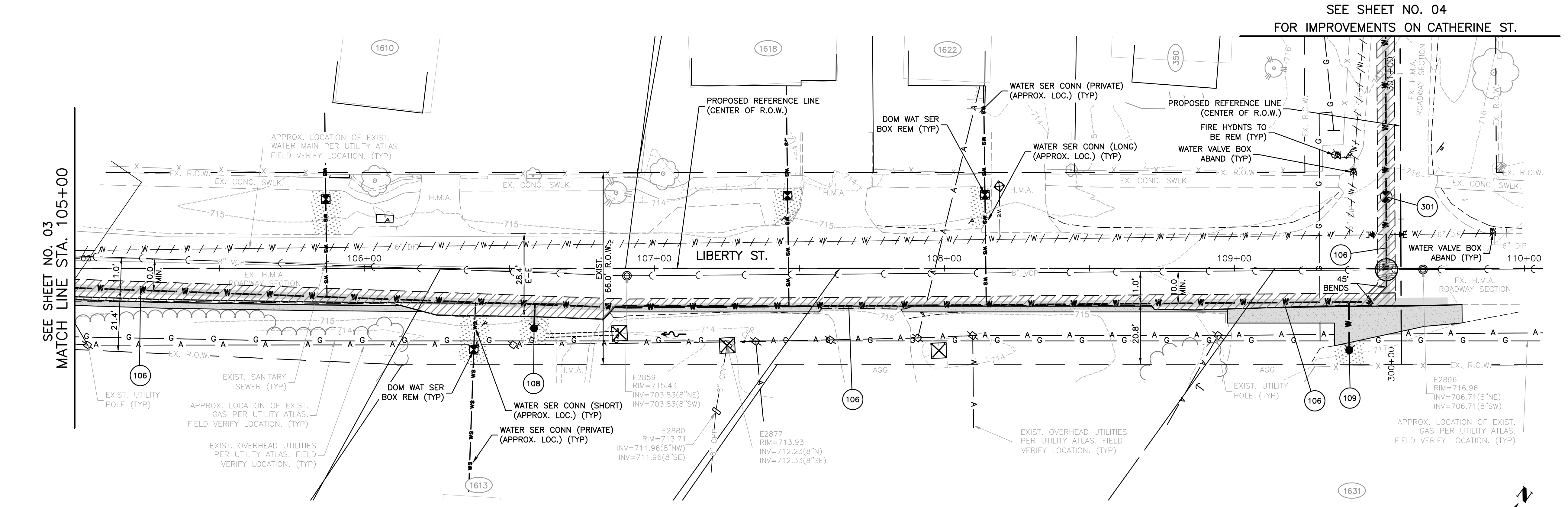
WATER MAIN TAGS

106
839' - D I WATER MAIN 8" WITH D.I, BENDS, TEE'S & REDUCER

108
FIRE HYD W/AUX V & VB BURY ELEV.= 714.75

109
FIRE HYD W/AUX V & VB BURY ELEV.= 717.05

301
VV TA 4 DIA T1F CL 8" GATE VALVE RIM=716.30



CONCRETE SIDEWALK REMOVAL AND REPLACEMENT

ADA CURB RAMP

ADA DETECTABLE WARNINGS

CONCRETE CURB & GUTTER REMOVAL AND REPLACEMENT

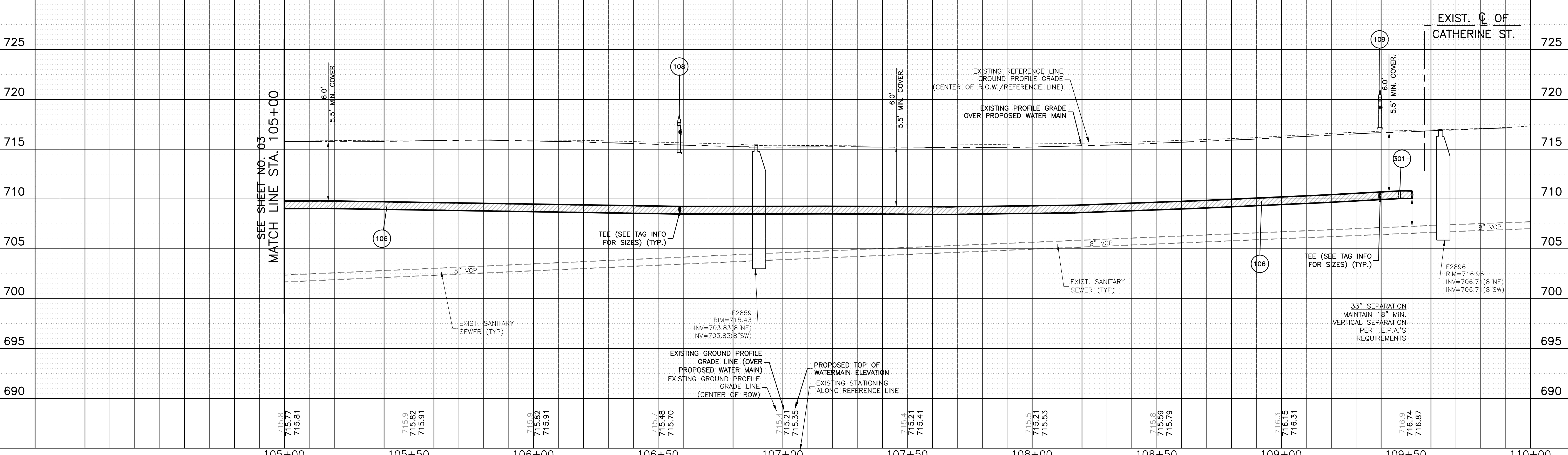
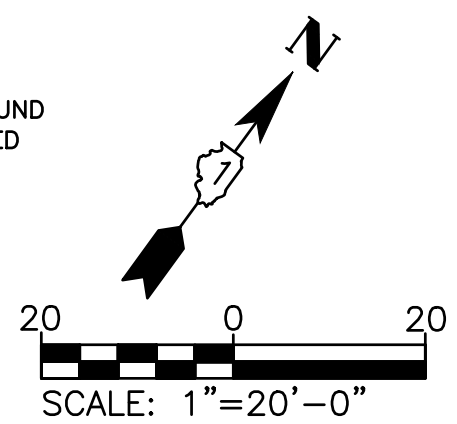
DEPRESSED CURB

INLET AND PIPE PROTECTION

Exist. Structure No.	Station	Side	Quantity EACH
E Culvert	106+87.92	LT	1
E2877	107+25.05	RT	1
E20282	107+98.02	LT	1

NOTE:

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105+00	105+50	106+00	106+50	107+00	107+50	108+00	108+50	109+00	109+50	110+00
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CITY OF AURORA
LIBERTY ST., BECKWITH ST., CATHERINE ST., & SOLFISBURG AVE.
WATER MAIN REPLACEMENT

LIBERTY ST. WATER MAIN PLAN AND PROFILE

SCALE: 1"=20' SHEET NO. 02 OF 02 SHEETS STA. 105+00 TO STA. 110+00

MUN. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
		KANE	15	04
CONTRACT NO. _____				
ILLINOIS FED. AID PROJECT				

PLAN

DATE: 1/12/2026
BY: [Signature]
SURVEYED: [Signature]
ALIGNMENT CHECKED: [Signature]
RT. OF WAY CHECKED: [Signature]
NO. [Number]
CADD FILE NAME: [Name]

PROFILE

DATE: 1/12/2026 8:24 AM
BY: [Signature]
SURVEYED: [Signature]
GRADES CHECKED: [Signature]
B.M. NOTED: [Signature]
STRUCTURE NOTATIONS CHK'D: [Signature]
NO. [Number]
NOTE BOOK NO. [Number]
DWG TO PDF: pc3
PLOT DRIVER: [Name]
PLOT DATE: 1/12/2026
PLOT SCALE: 1"=20'
PLOT DATE: 1/12/2026

COMPANY NAME: [Name]
PROJECT CONTACT: [Name]
CLIENT: [Name]
DATE PLOTTED: 1/12/2026 8:24 AM
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PLT DRIVER: [Name]
PLOT DATE: 1/12/2026
PLOT SCALE: 1"=20'
PLOT DATE: 1/12/2026

DATE	
BY	
PLAN	SURVEYED
	ALIGNED
	CHECKED
	RT. OF WAY
	CHECKED
	NO.
	CAUD FILE NAME

DATE	
BY	
PROFILE	SURVEYED
	GRADES
	CHECKED
	B.M. NOTED
	STRUCTURE
	NOTATIONS
	CHK'D

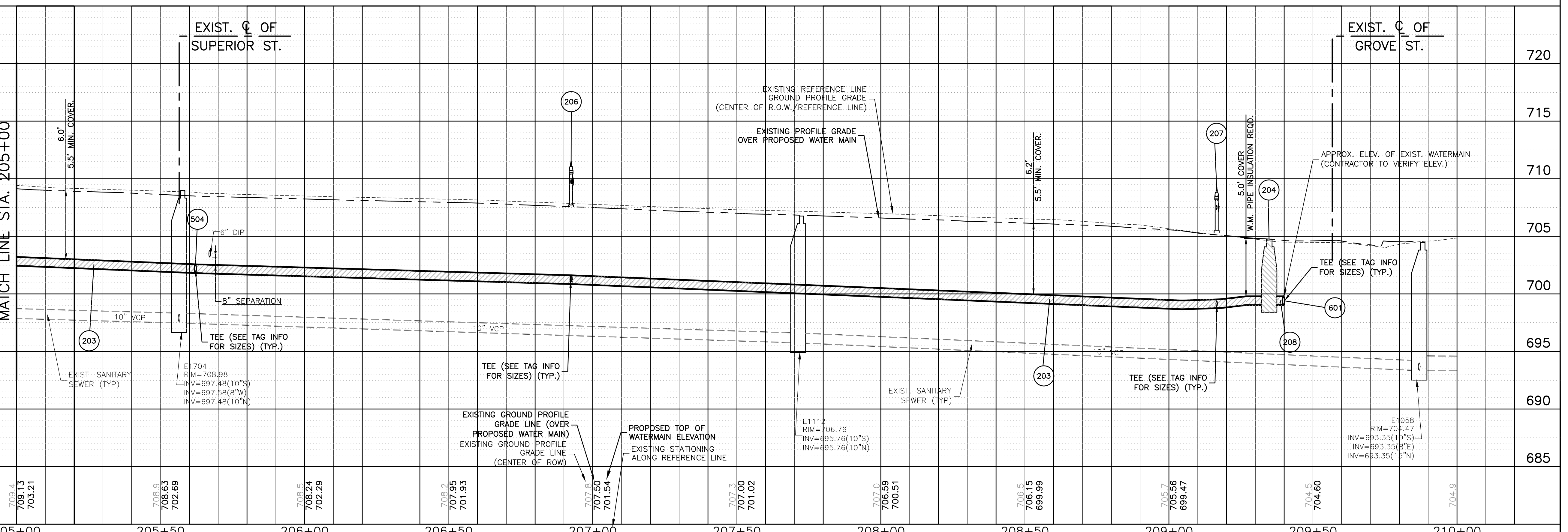
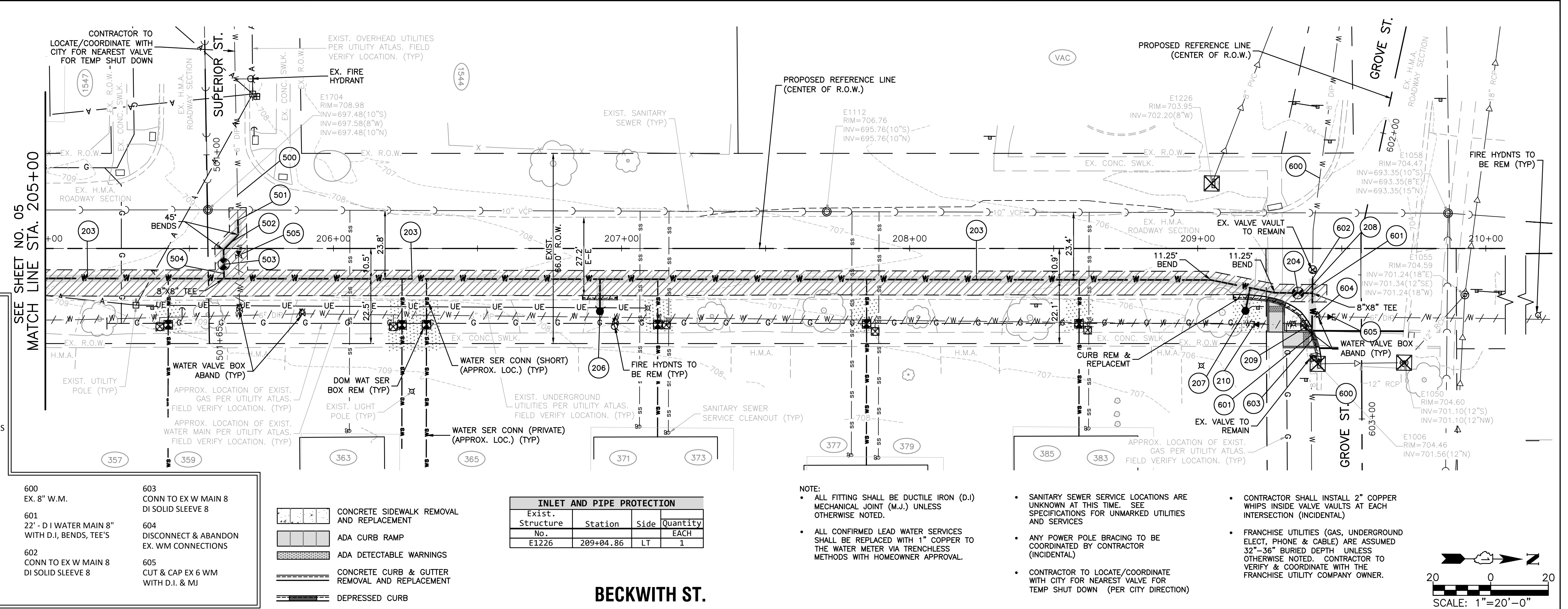
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 DATE PLOTTED: **1/12/2026**
 FILE NAME: **2402297.01-PnP-200-Beckwith_St**
 PLOT DRIVER: **ILDOT-Standard.ctb**
 PEN TABLE:

PLAN AND PROFILE LEGEND:

- INDICATES VALVE AND VALVE VAULT
- INDICATES FIRE HYDRANT WITH AUX VALVE
- INDICATES B-BOX
- INDICATES CUT AND CAP
- DENOTES W.M. QUALITY PIPE CASING
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- INDICATES PAVEMENT REMOVAL AND REPLACEMENT (FULL DEPTH)
- INDICATES SIDEWALK REMOVAL AND REPLACEMENT
- INDICATES DRIVEWAY PAVEMENT REMOVAL
- CONCRETE
- HMA
- INDICATES SAWCUT
- INDICATES PIPE REMOVAL OR ABANDONMENT
- WATER MAIN
- INDICATES RESTORATION, SEEDING CL 1A SEEDING WITH TOPSOIL F&P 4" (TYP)

WATER MAIN TAGS

203	745' - D I WATER MAIN 8" WITH D.I, BENDS, TEE'S	500	EX. 6" W.M.
204	VV TA 4 DIA T1F CL 8" GATE VALVE RIM= 704.75	501	CONN TO EX W MAIN 6 8" x 6" REDUCER DI SOLID SLEEVE 6
206	FIRE HYD W/AUX V & VB BURY ELEV.= 707.80	502	18" - D I WATER MAIN 8" WITH D.I, BENDS, TEE'S & REDUCERS
207	FIRE HYD W/AUX V & VB BURY ELEV.= 705.55	503	VV TA 4 DIA T1F CL 8" GATE VALVE RIM= 708.70
208	5' - D I WATER MAIN 8" WITH D.I, BENDS, TEE'S	504	5' - D I WATER MAIN 8" WITH D.I, BENDS, TEE'S
209	DISCONNECT & ABANDON EX. WM CONNECTIONS	505	CUT & CAP EX 6 WM WITH D.I. & MJ
210	CUT & CAP EX 6 WM WITH D.I. & MJ	600	EX. 8" W.M.
		601	22' - D I WATER MAIN 8" WITH D.I, BENDS, TEE'S
		602	CONN TO EX W MAIN 8 DI SOLID SLEEVE 8
		603	CONN TO EX W MAIN 8 DI SOLID SLEEVE 8
		604	DISCONNECT & ABANDON EX. WM CONNECTIONS
		605	CUT & CAP EX 6 WM WITH D.I. & MJ



INLET AND PIPE PROTECTION

Exist. Structure No.	Station	Side	Quantity EACH
E1226	209+04.86	LT	1

- CONCRETE SIDEWALK REMOVAL AND REPLACEMENT
- ADA CURB RAMP
- ADA DETECTABLE WARNINGS
- CONCRETE CURB & GUTTER REMOVAL AND REPLACEMENT
- DEPRESSED CURB

- NOTE:**
- ALL FITTING SHALL BE DUCTILE IRON (D.I) MECHANICAL JOINT (M.J.) UNLESS OTHERWISE NOTED.
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 - FRANCHISE UTILITIES (GAS, UNDERGROUND ELECT, PHONE & CABLE) ARE ASSUMED 32"-36" BURIED DEPTH UNLESS OTHERWISE NOTED. CONTRACTOR TO VERIFY & COORDINATE WITH THE FRANCHISE UTILITY COMPANY OWNER.



USER NAME = MLEWIS	DESIGNED - GIL	REVISED -	CITY OF AURORA LIBERTY ST., BECKWITH ST., CATHERINE ST., & SOLFISBURG AVE. WATER MAIN REPLACEMENT	BECKWITH ST. WATER MAIN PLAN AND PROFILE	MUN. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
FILE NAME = 2402297.01-PnP-200-Beckwith_BRAWN	PLANNED - MPL	REVISED -			KANE	15	06		
PLOT SCALE = 1"=20'	CHECKED - CL/KM	REVISED -			CONTRACT NO. _____				
PLOT DATE = 1/12/2026	DATE - 01/12/2026	REVISED -			ILLINOIS FED. AID PROJECT				

SCALE: 1"=20' SHEET NO. 02 OF 02 SHEETS STA. 205+00 TO STA. 210+00

DATE: _____ BY: _____
 SURVEYED: _____
 ALIGNMENT: _____
 RT. OF WAY CHECKED: _____
 NO. _____

DATE: _____ BY: _____
 SURVEYED: _____
 GRADES CHECKED: _____
 B.M. NOTED: _____
 STRUCTURE: _____
 NOTATIONS: _____
 NO. _____

COMPANY NAME: _____
 PROJECT CONTACT: _____
 CLIENT: _____
 DATE PLOTTED: 1/12/2026 8:26 AM
 FILE NAME: 2402297.01-Prp-300-Catherine_St
 PLOT DRIVER: DWG To PDF.pc3
 PEN TABLE: ILDOT-Standard.ctb

PLAN AND PROFILE LEGEND:

- INDICATES VALVE AND VALVE VAULT
- INDICATES FIRE HYDRANT WITH AUX VALVE
- INDICATES B-BOX
- INDICATES CUT AND CAP
- DENOTES W.M. QUALITY PIPE CASING
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 - CONCRETE
 - HMA
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- INDICATES PIPE REMOVAL OR ABANDONMENT
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- INDICATES RESTORATION, SEEDING CL 1A SEEDING WITH TOPSOIL F&P 4" (TYP)

WATER MAIN TAGS

106
839' - D I WATER MAIN 8" WITH D.I, BENDS, TEE'S & REDUCER

109
FIRE HYD W/AUX V & VB BURY ELEV.= 717.05

300
EX. 6" W.M.

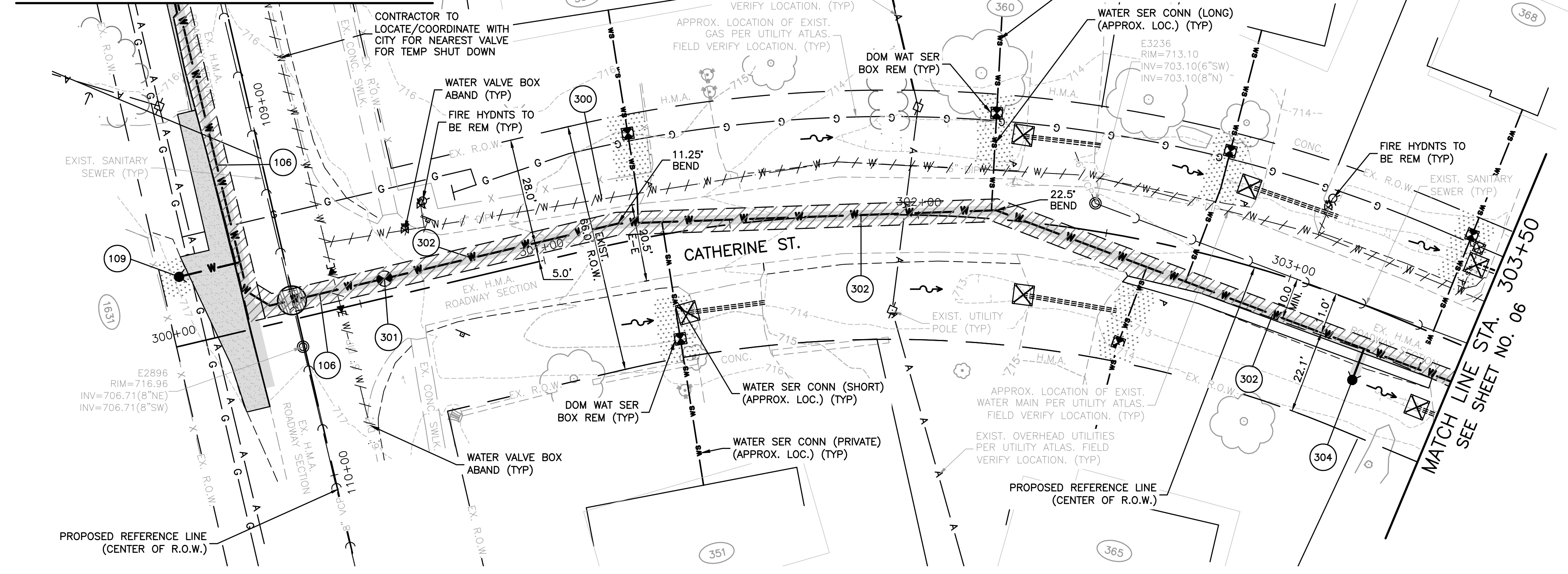
301
VV TA 4 DIA T1F CL 8" GATE VALVE RIM= 716.30

302
500' - D I WATER MAIN 8" WITH D.I, BENDS, TEE'S

304
FIRE HYD W/AUX V & VB BURY ELEV.= 712.25

- CONCRETE SIDEWALK REMOVAL AND REPLACEMENT
- ADA CURB RAMP
- ADA DETECTABLE WARNINGS
- CONCRETE CURB & GUTTER REMOVAL AND REPLACEMENT
- DEPRESSED CURB

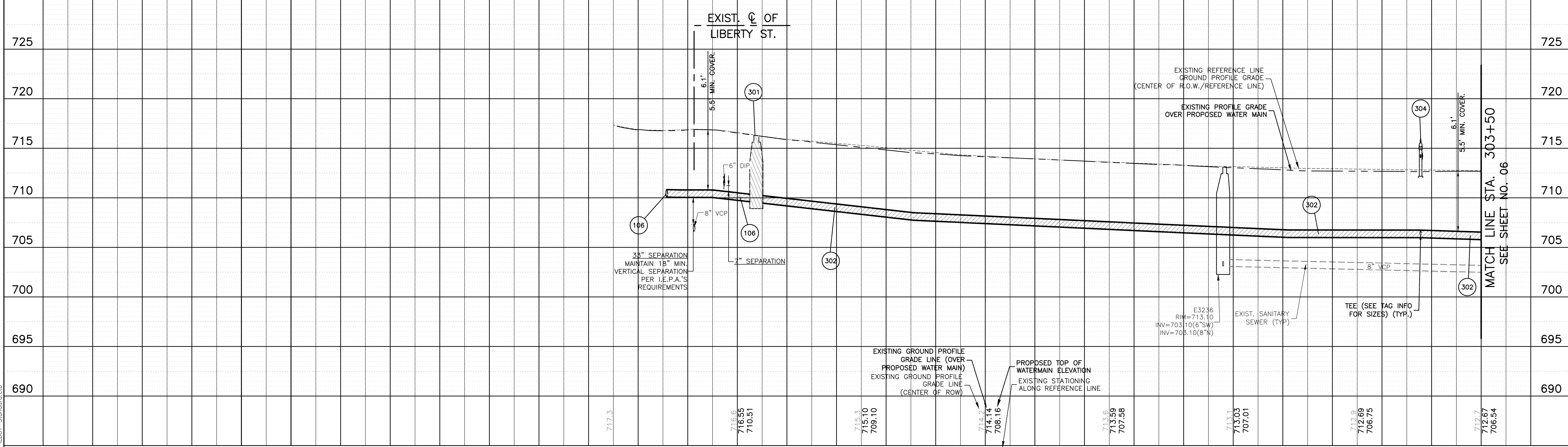
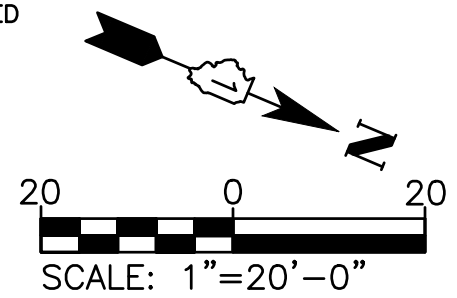
SEE SHEET NO. 04 FOR IMPROVEMENTS ON LIBERTY ST.



INLET AND PIPE PROTECTION

Exist. Structure No.	Station	Side	Quantity EACH
E Culvert	301+35.14	RT	1
E Culvert	302+25.54	LT	1
E Culvert	302+29.88	RT	1
E Culvert	302+83.26	LT	1
E Culvert	303+44.24	RT	1
E Culvert	303+44.28	LT	1

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 - FRANCHISE UTILITIES (GAS, UNDERGROUND ELECT, PHONE & CABLE) ARE ASSUMED 32"-36" BURIED DEPTH UNLESS OTHERWISE NOTED. CONTRACTOR TO VERIFY & COORDINATE WITH THE FRANCHISE UTILITY COMPANY OWNER.



STATION	USER NAME = MLEWIS	DESIGNED - GIL	REVISED -	CITY OF AURORA	CATHERINE ST.	MUN. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
298+50	FILE NAME = 2402297.01-Prp-300-Catherine_St	DRAWN - MPL	REVISED -	LIBERTY ST., BECKWITH ST., CATHERINE ST., & SOLFISBURG AVE.	WATER MAIN PLAN AND PROFILE			KANE	15	07
299+00	PLOT SCALE = 1"=20'	CHECKED - CL/KM	REVISED -							
299+50	PLOT DATE = 1/12/2026	DATE - 01/12/2026	REVISED -							
300+00					SCALE: 1"=20'	SHEET NO. 01 OF 02 SHEETS		STA. 300+00 TO STA. 303+50		ILLINOIS FED. AID PROJECT
300+50										
301+00										
301+50										
302+00										
302+50										
303+00										
303+50										

DATE: _____ BY: _____
 SURVEYED: _____
 ALIGNMENT: _____
 RT. OF WAY: _____
 NO. _____

DATE: _____ BY: _____
 SURVEYED: _____
 GRADES: _____
 B.M. NOTED: _____
 STRUCTURE: _____
 NOTATIONS: _____
 NO. _____

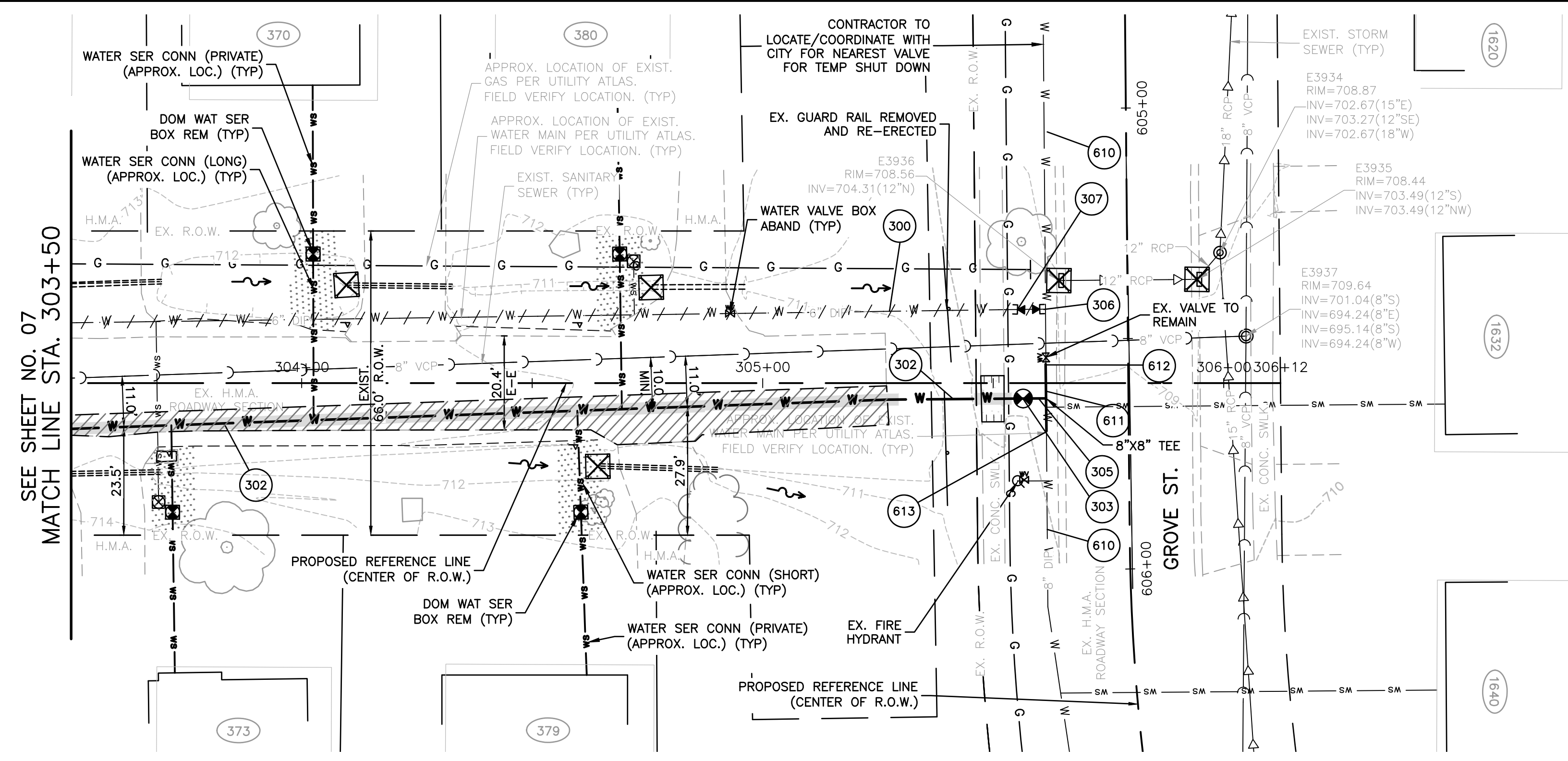
COMPANY NAME: _____
 PROJECT CONTACT: _____
 DATE PLOTTED: 1/12/2026 8:26 AM
 FILE NAME: 2402297.01-PnP-300-Catherine_St
 PLOT DRIVER: DWG To PDF.pc3
 PLOT SCALE: 1"=20'
 PEN TABLE: ILDOT-Standard.ctb

PLAN AND PROFILE LEGEND:

- INDICATES VALVE AND VALVE VAULT
- INDICATES FIRE HYDRANT WITH AUX VALVE
- INDICATES B-BOX
- INDICATES CUT AND CAP
- INDICATES TRENCH BACKFILL
- INDICATES MAINTAIN I.E.P.A.'S VERTICAL SEPARATION REQUIREMENTS
- INDICATES PAVEMENT REMOVAL AND REPLACEMENT (FULL DEPTH)
- INDICATES SIDEWALK REMOVAL AND REPLACEMENT
- INDICATES DRIVEWAY PAVEMENT REMOVAL
 - CONCRETE
 - HMA
- INDICATES SAWCUT
- INDICATES PIPE REMOVAL OR ABANDONMENT
 - WATER MAIN
- INDICATES RESTORATION, SEEDING CL 1A SEEDING WITH TOPSOIL F&P 4" (TYP)

WATER MAIN TAGS

300 EX. 6" W.M.	610 EX. 8" W.M.
302 500' - D I WATER MAIN 8" WITH D.I, BENDS, TEE'S	611 22' - D I WATER MAIN 8" WITH D.I, BENDS, TEE'S
303 VV TA 4 DIA T1F CL 8" GATE VALVE RIM= 709.85	612 CONN TO EX W MAIN 8 DI SOLID SLEEVE 8
305 5' - D I WATER MAIN 8" WITH D.I, BENDS, TEE'S	613 CONN TO EX W MAIN 8 DI SOLID SLEEVE 8
306 DISCONNECT & ABANDON EX. WM CONNECTIONS	
307 CUT & CAP EX 6 WM WITH D.I. & MJ	

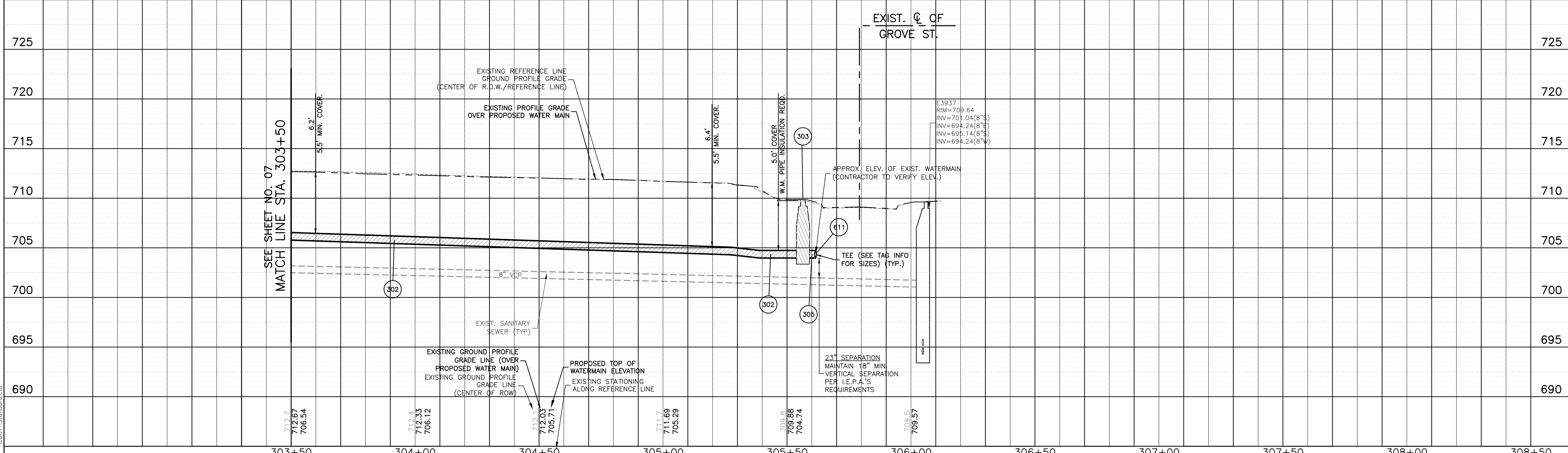
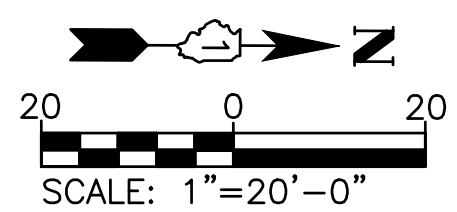


INLET AND PIPE PROTECTION

Exist. Structure No.	Station	Side	Quantity EACH
E Culvert	304+09.72	LT	1
E Culvert	304+64.25	RT	1
E Culvert	304+75.81	LT	1
E3936	605+37.28	RT	1
E3935	605+37.30	LT	1

CATHERINE ST.

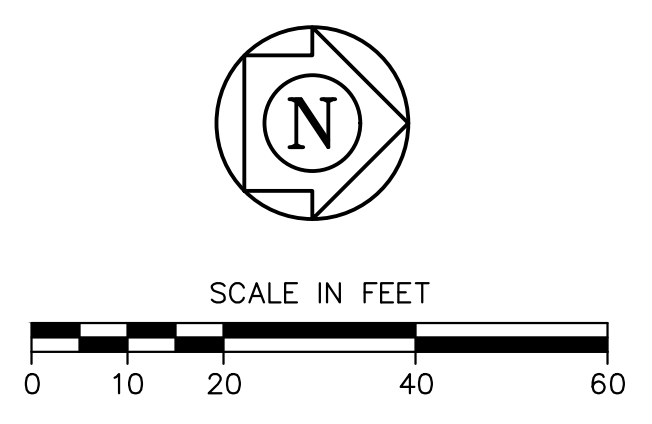
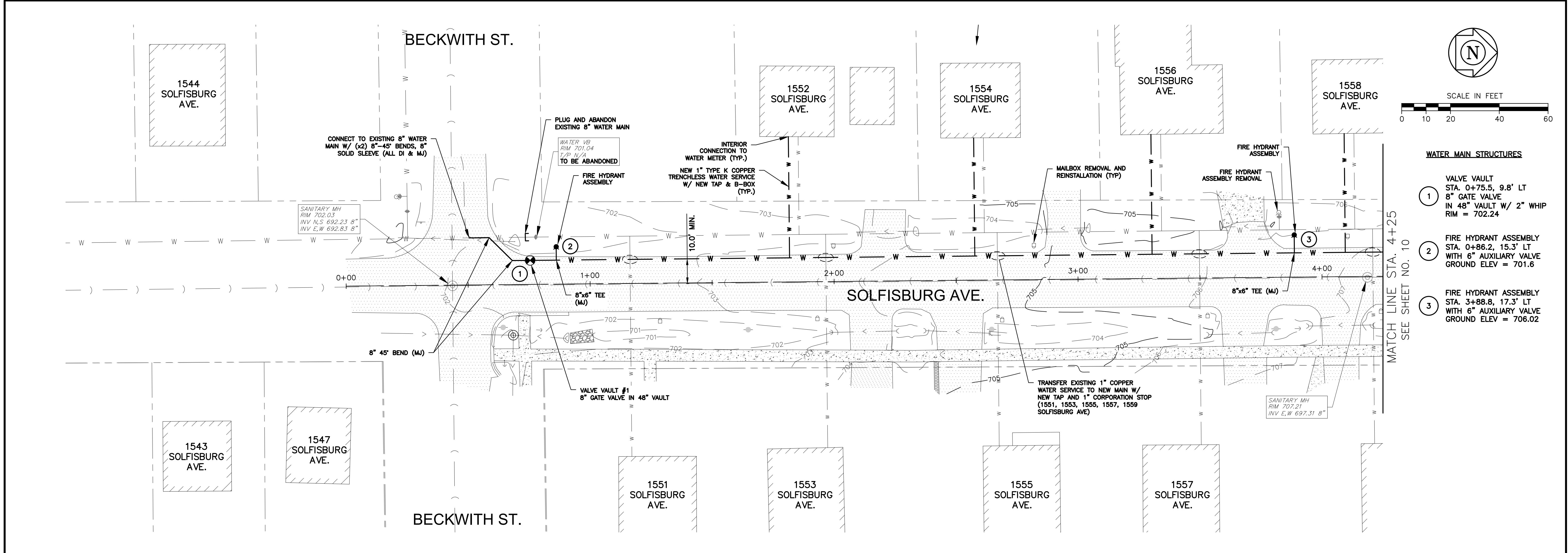
- NOTE:
- ALL FITTING SHALL BE DUCTILE IRON (D.I) MECHANICAL JOINT (M.J.) UNLESS OTHERWISE NOTED.
 - ALL CONFIRMED LEAD WATER SERVICES SHALL BE REPLACED WITH 1" COPPER TO THE WATER METER VIA TRENCHLESS METHODS WITH HOMEOWNER APPROVAL.
 - SANITARY SEWER SERVICE LOCATIONS ARE UNKNOWN AT THIS TIME. SEE 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)
 - CONTRACTOR SHALL INSTALL 2" COPPER WHIPS INSIDE VALVE VAULTS AT EACH INTERSECTION (INCIDENTAL)
 - FRANCHISE UTILITIES (GAS, UNDERGROUND ELECT, PHONE & CABLE) ARE ASSUMED 32"-36" BURIED DEPTH UNLESS OTHERWISE NOTED. CONTRACTOR TO VERIFY & COORDINATE WITH THE FRANCHISE UTILITY COMPANY OWNER.



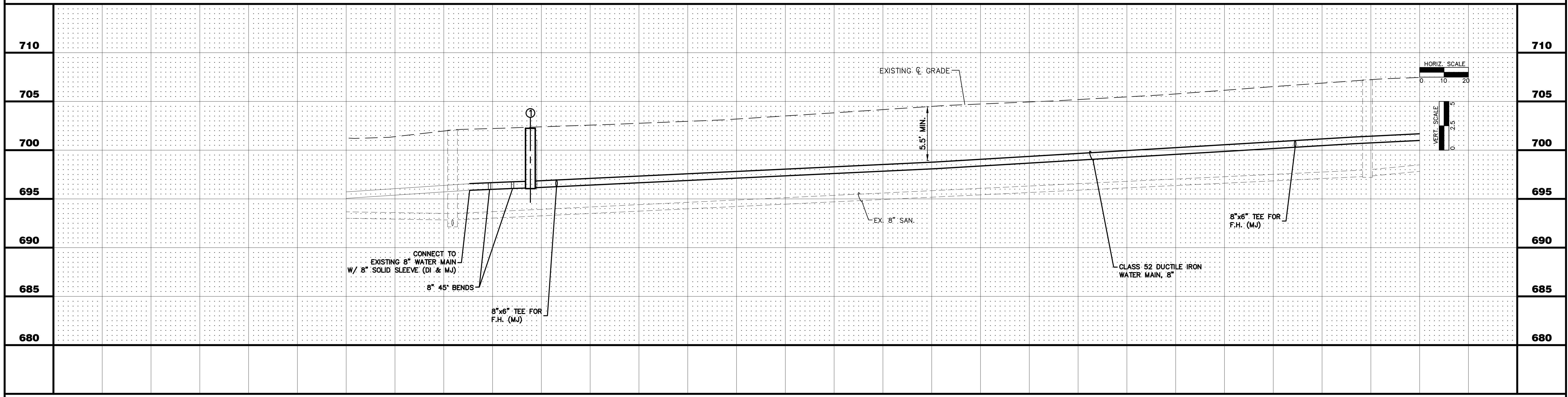
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FILE NAME = 2402297.01-PnP-300-Catherine_St	DRAWN - MPL	REVISED -			KANE	15	08				
PLOT SCALE = 1"=20'	CHECKED - CL/KM	REVISED -			CONTRACT NO. _____						
PLOT DATE = 1/12/2026	DATE - 01/12/2026	REVISED -			ILLINOIS FED. AID PROJECT						

SCALE: 1"=20' SHEET NO. 02 OF 02 SHEETS STA. 303+50 TO STA. 308+50

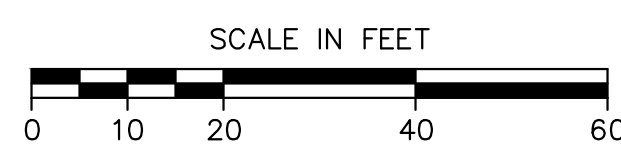
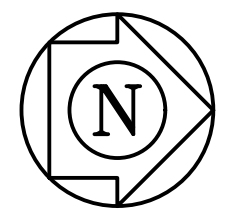
PLOT DATE: 2/19/2026 11:18 AM LAST SAVED BY: Hoppm FILEPATH: P:\ENGINEERING\CAPITAL IMPROVEMENT PROJECTS\2024 PROJECTS\2024 WATER MAIN\LIBERTY, CATHERINE & BECKWITH\CAD\BASE DRAWINGS\BASE TOPO - SOLFISBURG AVE.DWG



- WATER MAIN STRUCTURES**
- 1 VALVE VAULT
STA. 0+75.5, 9.8' LT
8" GATE VALVE
IN 48" VAULT W/ 2" WHIP
RIM = 702.24
 - 2 FIRE HYDRANT ASSEMBLY
STA. 0+86.2, 15.3' LT
WITH 6" AUXILIARY VALVE
GROUND ELEV = 701.6
 - 3 FIRE HYDRANT ASSEMBLY
STA. 3+88.8, 17.3' LT
WITH 6" AUXILIARY VALVE
GROUND ELEV = 706.02



	0+00	1+00	2+00	3+00	4+00	
	CITY OF AURORA ENGINEERING DIVISION 2185 LIBERTY STREET AURORA, ILLINOIS 60502			REVISIONS:		SHEET NUMBER 9 TOTAL SHEETS 15
	PROJECT LIBERTY ST., BECKWITH ST., CATHERINE ST., & SOLFISBURG AVE. WATER MAIN REPLACEMENT			SHEET TITLE PLAN & PROFILE STA. 0+00.0 TO STA. 4+25.0		
DESIGNED BY: GL DRAWN BY: MH		CHECKED BY: GL APPROVED BY: KM		SCALE: 1" = 20' DATE: 2/2026		



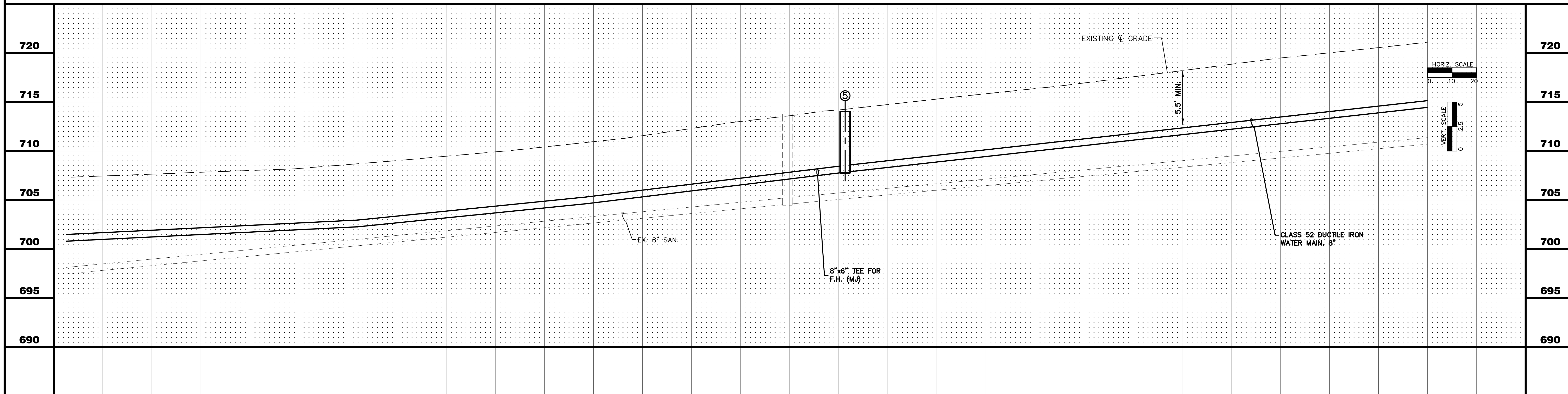
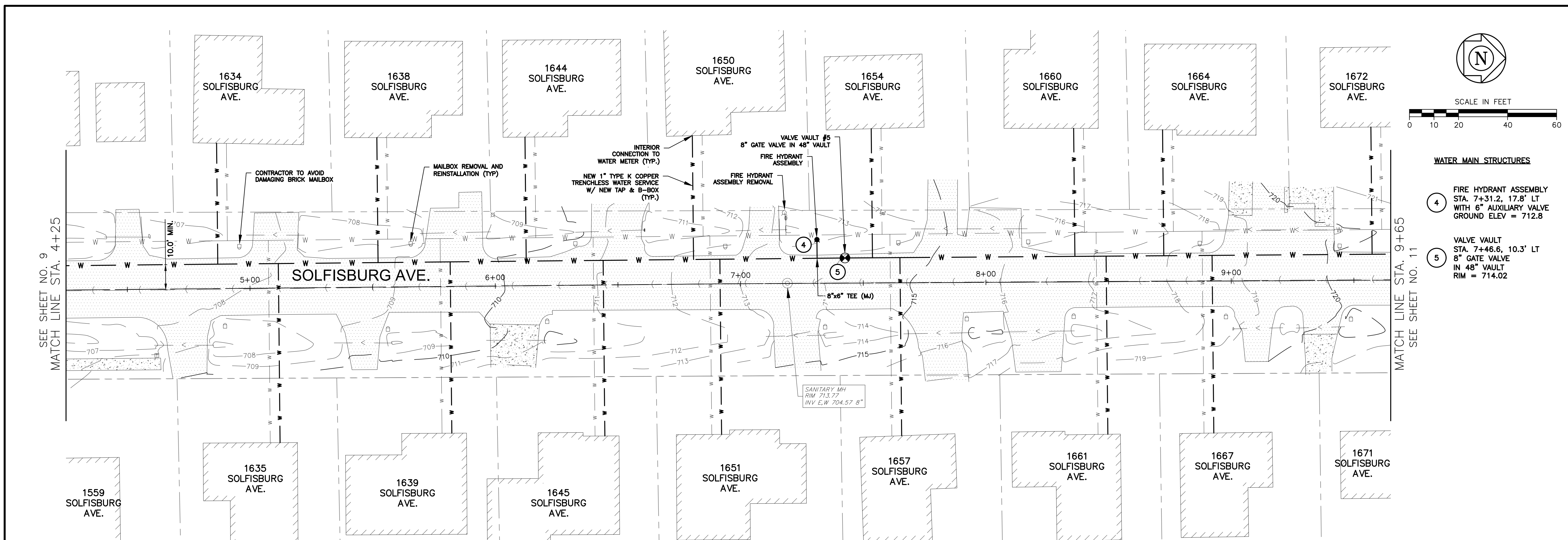
WATER MAIN STRUCTURES

4 FIRE HYDRANT ASSEMBLY STA. 7+31.2, 17.8' LT WITH 6" AUXILIARY VALVE GROUND ELEV = 712.8

5 VALVE VAULT STA. 7+46.6, 10.3' LT 8" GATE VALVE IN 48" VAULT RIM = 714.02

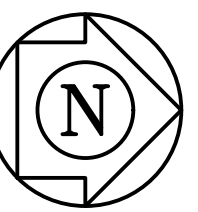
SEE SHEET NO. 9 MATCH LINE STA. 4+25

MATCH LINE STA. 9+65 SEE SHEET NO. 11



5+00	6+00	7+00	8+00	9+00												
CITY OF AURORA ENGINEERING DIVISION 2185 LIBERTY STREET AURORA, ILLINOIS 60502				REVISIONS: <table border="1"> <tr> <td>DESIGNED BY:</td> <td>GL</td> <td>CHECKED BY:</td> <td>GL</td> <td>SCALE:</td> <td>1" = 20'</td> </tr> <tr> <td>DRAWN BY:</td> <td>MH</td> <td>APPROVED BY:</td> <td>KM</td> <td>DATE:</td> <td>2/2026</td> </tr> </table>	DESIGNED BY:	GL	CHECKED BY:	GL	SCALE:	1" = 20'	DRAWN BY:	MH	APPROVED BY:	KM	DATE:	2/2026
DESIGNED BY:	GL	CHECKED BY:	GL	SCALE:	1" = 20'											
DRAWN BY:	MH	APPROVED BY:	KM	DATE:	2/2026											
PROJECT LIBERTY ST., BECKWITH ST., CATHERINE ST., & SOLFISBURG AVE. WATER MAIN REPLACEMENT				SHEET NUMBER 10												
SHEET TITLE PLAN & PROFILE STA. 4+25.0 TO STA. 9+65.0				TOTAL SHEETS 15												

PLOT DATE 2/19/2026 11:18 AM LAST SAVED BY Hoppm FILEPATH P:\ENGINEERING\CAPITAL IMPROVEMENT PROJECTS\2024 PROJECTS\2024 WATER MAIN\LIBERTY, CATHERINE & BECKWITH\CAD\BASE DRAWINGS\BASE TOPO - SOLFISBURG AVE.DWG

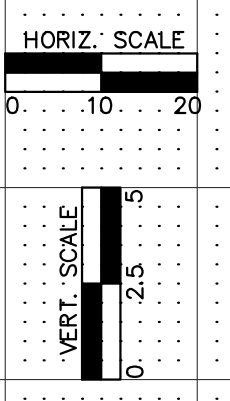
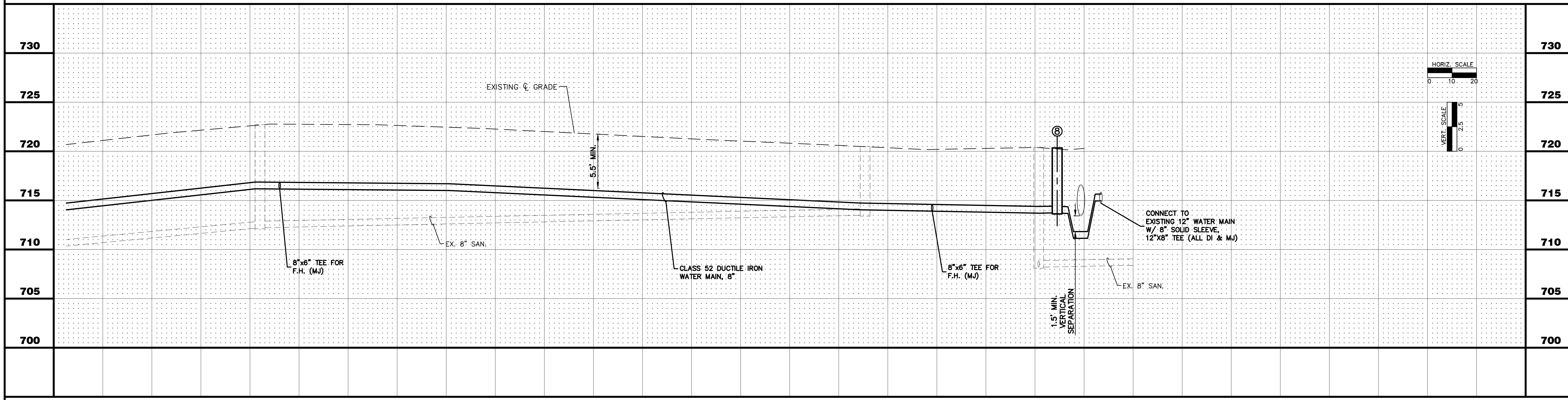
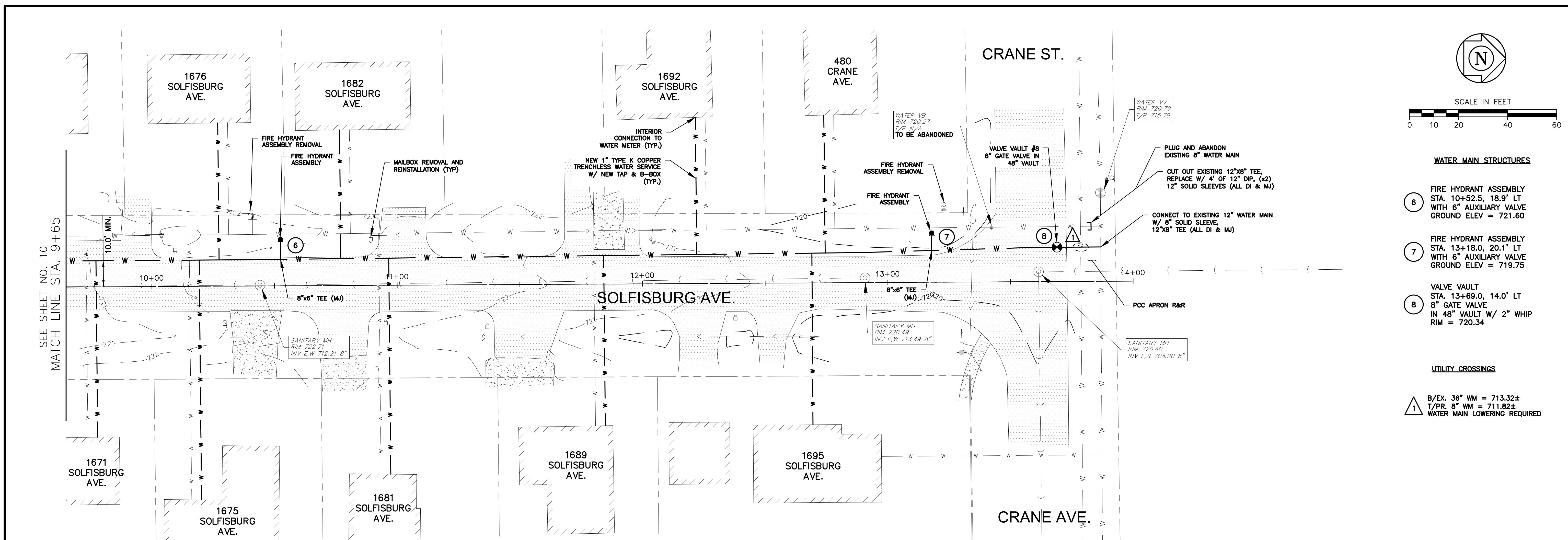


WATER MAIN STRUCTURES

- 6 FIRE HYDRANT ASSEMBLY STA. 10+52.5, 18.9' LT WITH 6" AUXILIARY VALVE GROUND ELEV = 721.60
- 7 FIRE HYDRANT ASSEMBLY STA. 13+18.0, 20.1' LT WITH 6" AUXILIARY VALVE GROUND ELEV = 719.75
- 8 VALVE VAULT STA. 13+69.0, 14.0' LT 8" GATE VALVE IN 48" VAULT W/ 2" WHIP RIM = 720.34

UTILITY CROSSINGS

- 1 B/EX. 36" WM = 713.32±
- T/PR. 8" WM = 711.82±
- WATER MAIN LOWERING REQUIRED



	10+00	11+00	12+00	13+00	14+00	
	CITY OF AURORA ENGINEERING DIVISION 2185 LIBERTY STREET AURORA, ILLINOIS 60502			REVISIONS:		PROJECT LIBERTY ST., BECKWITH ST., CATHERINE ST., & SOLFISBURG AVE. WATER MAIN REPLACEMENT
	DESIGNED BY: GL CHECKED BY: GL SCALE: 1" = 20' DRAWN BY: MH APPROVED BY: KM DATE: 2/2026			SHEET TITLE PLAN & PROFILE STA. 9+65.0 TO STA. 14+00.0		SHEET NUMBER 11
						TOTAL SHEETS 15

PLOT DATE: 2/19/2026 11:18 AM LAST SAVED BY: Hoppm
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CAST FRAME

NOTES:

1. DUCTILE IRON CASTINGS SHALL BE GRADE 60-40-18 AND SHALL BE TESTED IN ACCORDANCE WITH FEDERAL SPECIFICATIONS.
2. ALL LIDS AND COVERS SHALL BE FINISHED LETTERS.
3. ALL MANHOLE COVERS SHALL BE FINISHED LETTERS.
4. FRAME AND LID TO BE FINISHED P-1712-25.
5. LID SHALL BE CAST WITH THE DESIGNATION "CITY OF AURORA".
6. LID SHALL HAVE A CONCEALED POK HOLE.

ALL JOINTS BETWEEN PRECAST ELEMENTS, MANHOLE FRAMES AND LIDS ON ALL UNDERGROUND STRUCTURES, SHALL BE SET IN PLACE WITH ONE OF THE FOLLOWING: BUTYL RUBBER JOINT FILLER MANUFACTURED BY GORHAM PRODUCTS SUPPLY CO. 181 ST. SW. SIOUX FALLS, SD 57105-2500 OR SILKAL AS APPROVED BY THE CITY ENGINEER. ALL JOINTS TO BE TUCKPOINTED WITH ANTI-HYDRAULIC CEMENT.

CAST CLOSED LID

MIN. COVER ON PLANS OR AS SHOWN ON PLANS

STEPS @ 16" O.C.

VALVE

PRECAST RISER RINGS MINIMUM 3"

CORPORATION STOP COUPLING 1" DIAMETER MINIMUM, OR AS SHOWN ON PLANS.

PROVIDE 1/2" PREFORMED JOINT FILLER BETWEEN PIPE AND PEDESTAL

CONCRETE PEDESTAL WIDTH OF PIPE (WIDTH) BY LENGTH TO MATCH VALVE BOX.

PRECAST BOTTOM (3500 PSI CONCRETE)

COMPACTED CA-7

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: 02/26/20	BY: DGoewey	SCALE: NOT TO SCALE	CHECKED: DF
DATE: 02/04/22	BY: CArmin	DATE: 1/04	DRAWN: NM
ENGINEERING		DRAWING NUMBER EXHIBIT III-C-4	

THE WORD "WATER" ON LID

BOX SHALL BE SCREW TYPE FOR DEPTH ADJUSTMENTS

OPEN GRADED STONE BACK FILL AROUND BOX

VALVE

MIN 5.5' DEPTH

WATERMAIN

CONCRETE BLOCK

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).

REVISIONS		TYPICAL VALVE & BOX	
DATE: 01/20/11	BY: jfb	SCALE: NOT TO SCALE	CHECKED: DF
DATE: 1/04	DRAWN: NM	DATE: 1/04	DRAWN: NM
ENGINEERING		DRAWING NUMBER EXHIBIT III-C-5	

CAST IRON FRAME & COVER WITH "CITY OF AURORA" CAST IN THE LID

FINISHED GRADE

PRO-RING AND ADHESIVE SEALANT (BY CRETEX) OAE, ADJ. RINGS; (10" MAX)

STEPS @ 16" O.C.

TAPPING VALVE

TAPPING SLEEVE

EXISTING MAIN

PRECAST CONCRETE VALVE VAULT STRUCTURE

VARIES 3' TO 4'

5' - 6" MIN

PIPE OPENINGS TO BE CAST IN WALL & SEALED WITH MASONRY CONCRETE PEDESTAL WIDTH OF PIPE WIDE BY LENGTH TO MATCH VALVE BOX

MORTAR

6" MIN PRECAST CONCRETE BASE

4" MIN GRAVEL OR CRUSHED STONE BED

UNDISTURBED EARTH

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	SCALE: NOT TO SCALE	CHECKED: DF
DATE: 02/22	BY: CArmin	DATE: 1/05	DRAWN: NM
ENGINEERING		DRAWING NUMBER EXHIBIT III-C-11	

HYDRANTINDER OR APPROVED EQUAL

WATEROUS PACER MODEL - WB-67

HYDRANT TO HAVE A TRAP BREAKAWAY FLANGE.

REFER TO STANDARD SPECIFICATIONS FOR IMPROVEMENTS AND SEE EXHIBIT III-C-5 FOR VALVE BOX TYPE AND MANUFACTURES.

THE HYDRANT SHALL HAVE FIVE FEET-SIX INCHES (5.5') DEPTH OF COVER.

6" FIRE HYDRANT SERVICE FROM LOOPED WATERMAIN

3/4" OPEN GRADED STONE, WRAPPED IN DRAINAGE FABRIC TO SURROUND HYD. INSTALLATION.

PROVIDE POURED IN PLACE CONCRETE THRUST BLOCKING AGAINST UNDISTURBED EARTH

PRECAST CONCRETE BLOCKS

HYDRANT DRAIN OPENINGS

27" MIN

6" MIN

18" TO 22"

3" MAX

CURB & GUTTER

REFER TO THE STANDARD SPECIFICATIONS FOR IMPROVEMENTS FOR VALVE, SLEEVE, AND STEPS TYPE AND MANUFACTURES.

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

WHEN CLSM IS REQUIRED

STANDARD TRENCH BACKFILL

BOTTOM OF PAVEMENT SECTION SEE APPLICABLE PATCHING DETAIL AS REQUIRED

UNDISTURBED EARTH

ROW/LOT LINE

5'-0" MINIMUM

5'-0" MINIMUM

5'-6" MINIMUM

1

2

3

4

5

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: 07-15-10	BY: DGoewey	SCALE: NOT TO SCALE	CHECKED: LA
DATE: 1/04	DRAWN: DG	DATE: 1/04	DRAWN: DG
ENGINEERING		DRAWING NUMBER EXHIBIT III-A-1	

COVER SHALL BE FLUSH WITH FINISHED GRADE

FINISHED GRADE

DIRECT CONNECTION

BUFFALO BOX

CURB STOP COUPLING

CONCRETE BLOCK

CORPORATION STOP COUPLING

TAP SERVICE PIPING COPPER TUBING TYPE K, 1" DIA MIN.

LOOPED DUCTILE IRON WATERMAIN

5'-6" MINIMUM

5'-0" MINIMUM

5'-6" MINIMUM

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	SCALE: NTS	CHECKED: DF
DATE: 07-07-22	BY: CArmin	DATE: 06/02	DRAWN: NM
ENGINEERING		DRAWING NUMBER EXHIBIT III-C-6	

FIRE HYDRANT

2' - 1" MIN.

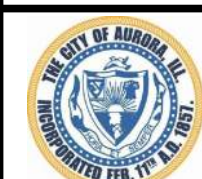
AUXILIARY GATE VALVE

MIN. OFFSET 2.5' - CAN VARY PER WATERMAIN SIZE

MECHANICAL JOINT TEE

REVISIONS		OFFSET HYDRANT DETAIL	
DATE: 07/09	BY: DGoewey	SCALE: NOT TO SCALE	CHECKED: DF
DATE: 07/09	DRAWN: DG	DATE: 07/09	DRAWN: DG
ENGINEERING		DRAWING NUMBER EXHIBIT III-C-12	

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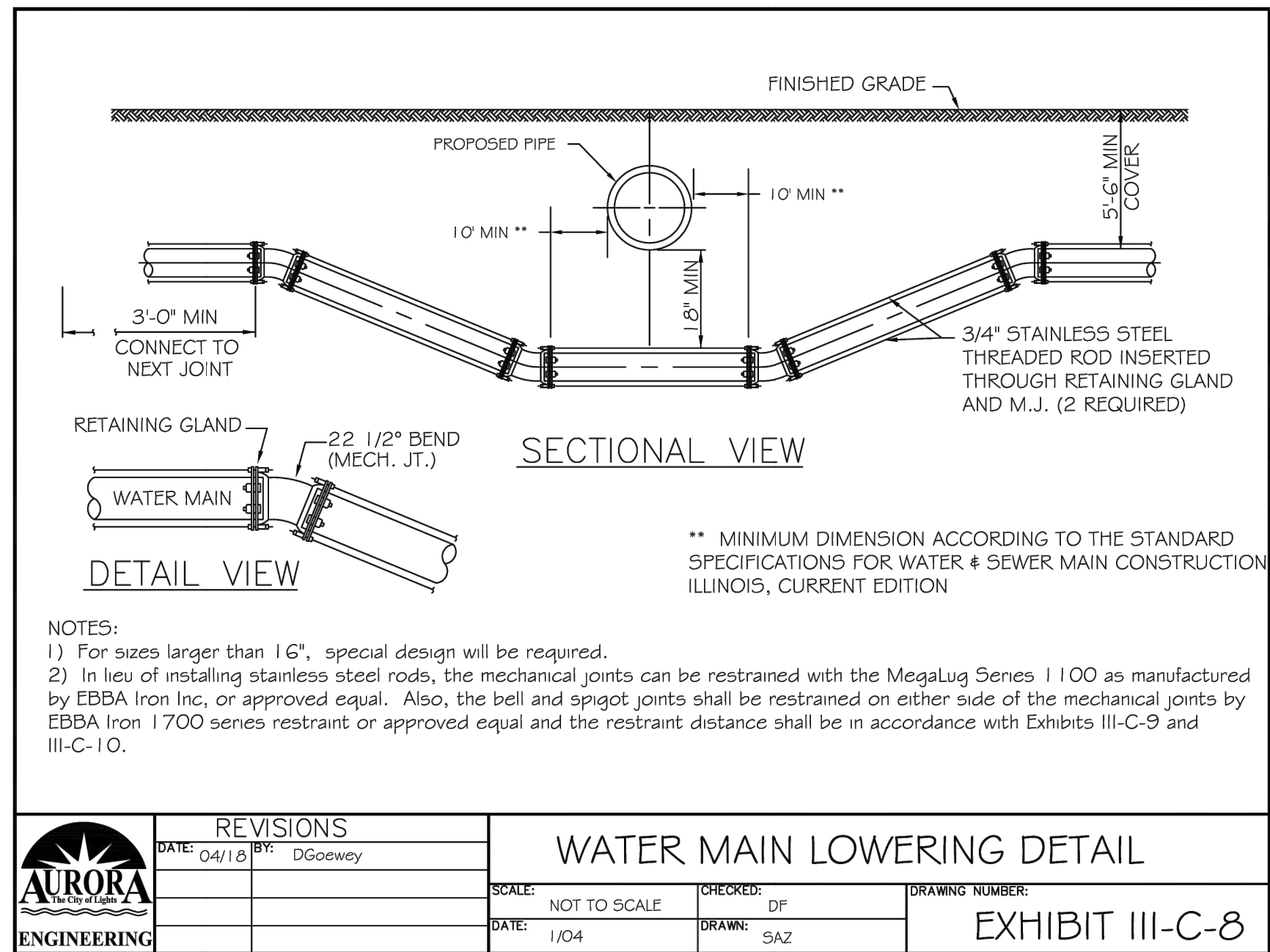
CITY OF AURORA
ENGINEERING DIVISION
2185 LIBERTY ST.
AURORA, ILLINOIS 60502

REVISIONS:

DESIGNED BY: GL CHECKED BY: GL SCALE: N.T.S.
DRAWN BY: MH APPROVED BY: KM DATE: 1/2026

PROJECT: LIBERTY ST., BECKWITH ST., CATHERINE ST., & SOLFISBURG AVE. WATER MAIN REPLACEMENT
SHEET TITLE: STANDARD DETAILS

SHEET NUMBER: 12
TOTAL SHEETS: 15



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

Fitting Type/Nominal Size	6"	8"	12"	16"
11 1/2° Bend	2	3	4	6
22 1/2° 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
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 restraint distance on the normally elevated watermain either side of the 45° fitting of the vertical offset (or lowering).

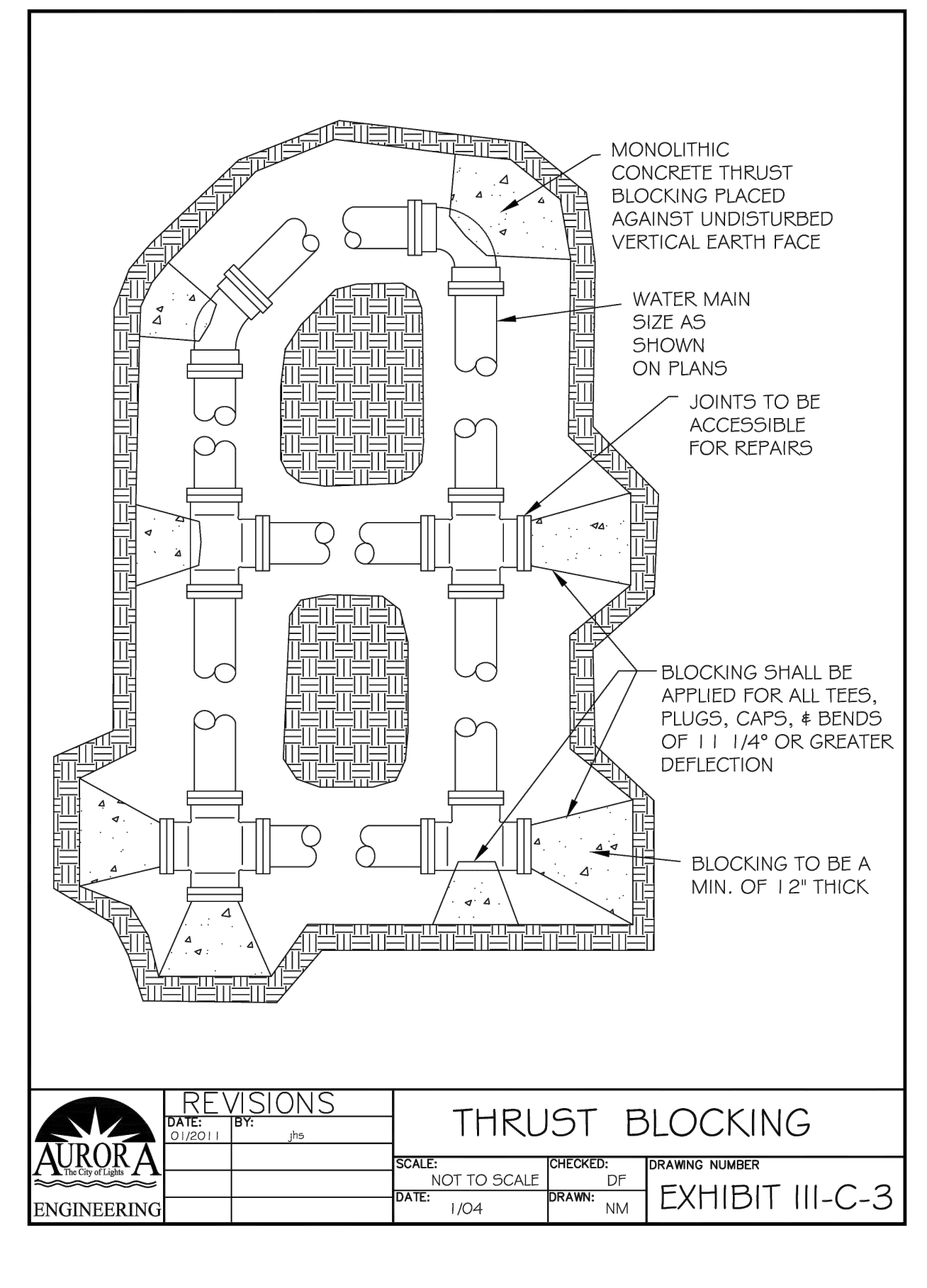
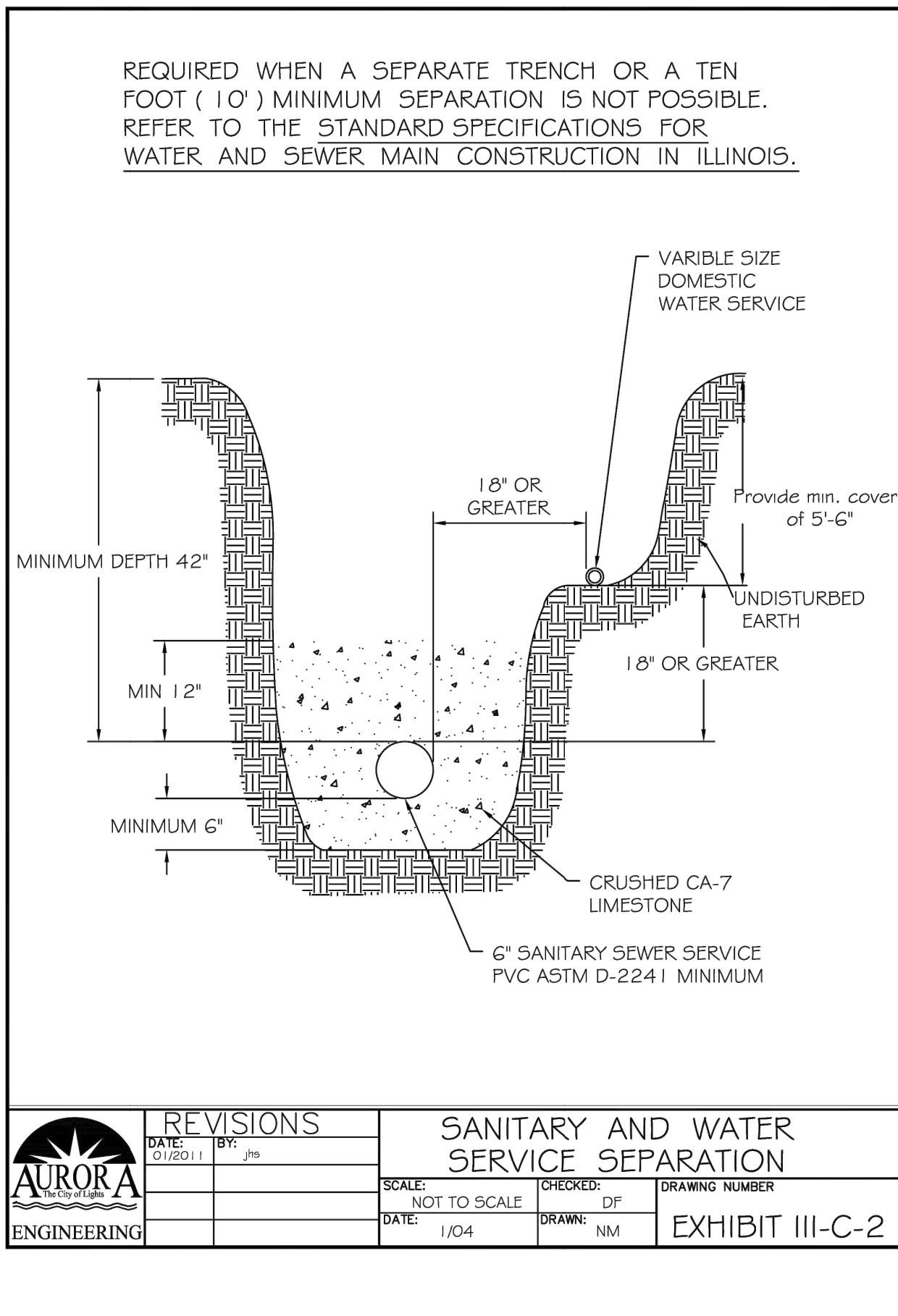
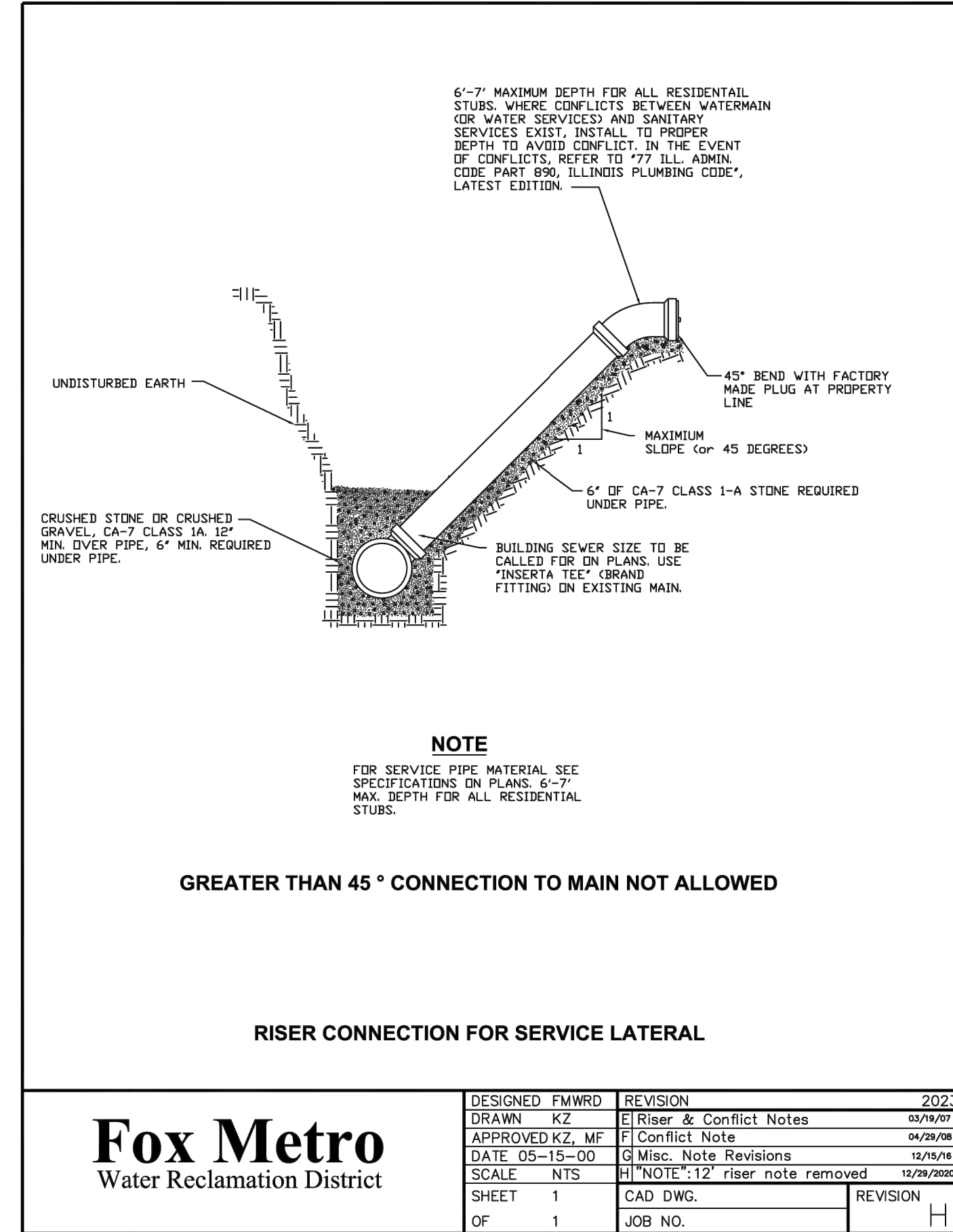
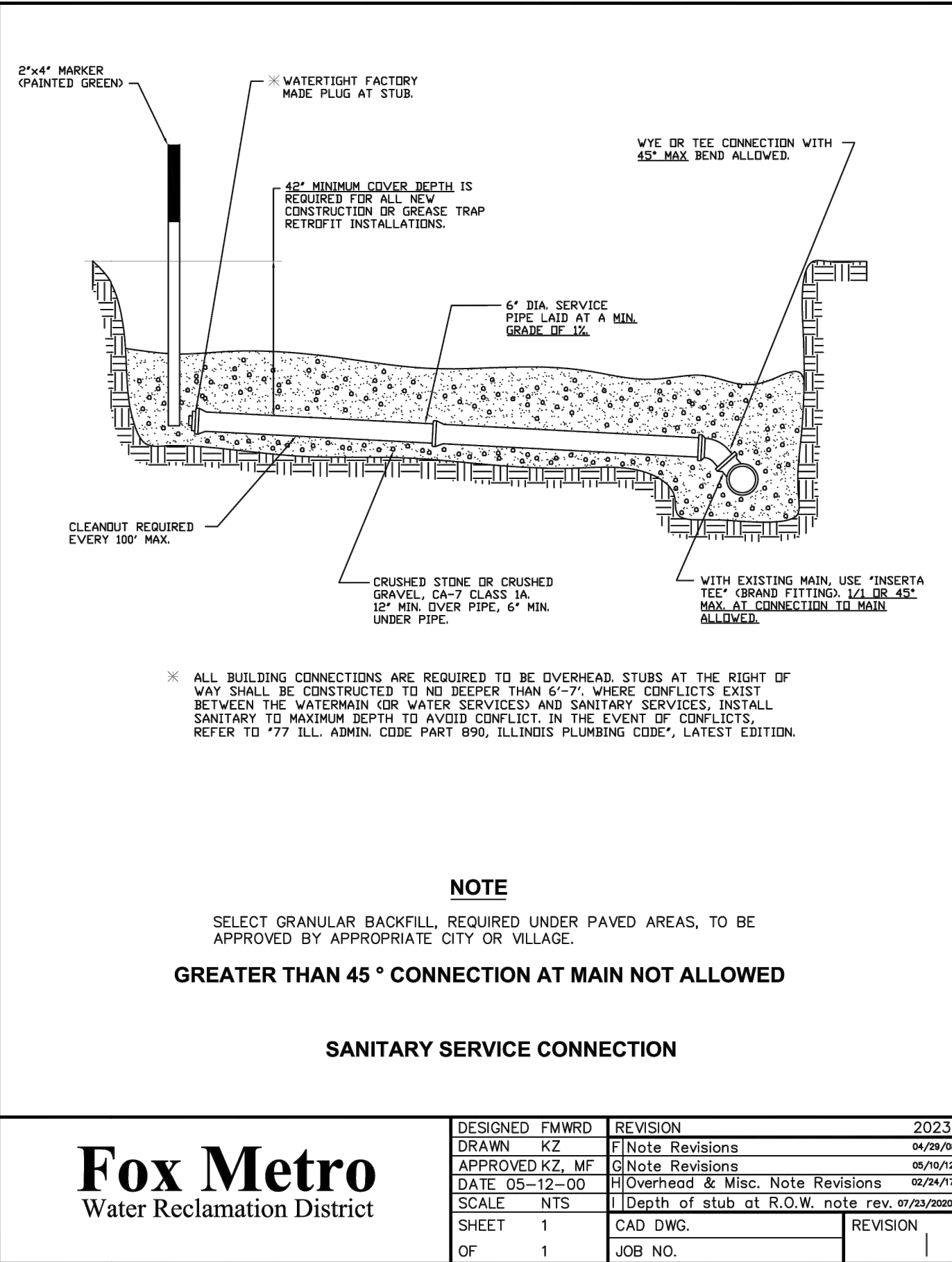
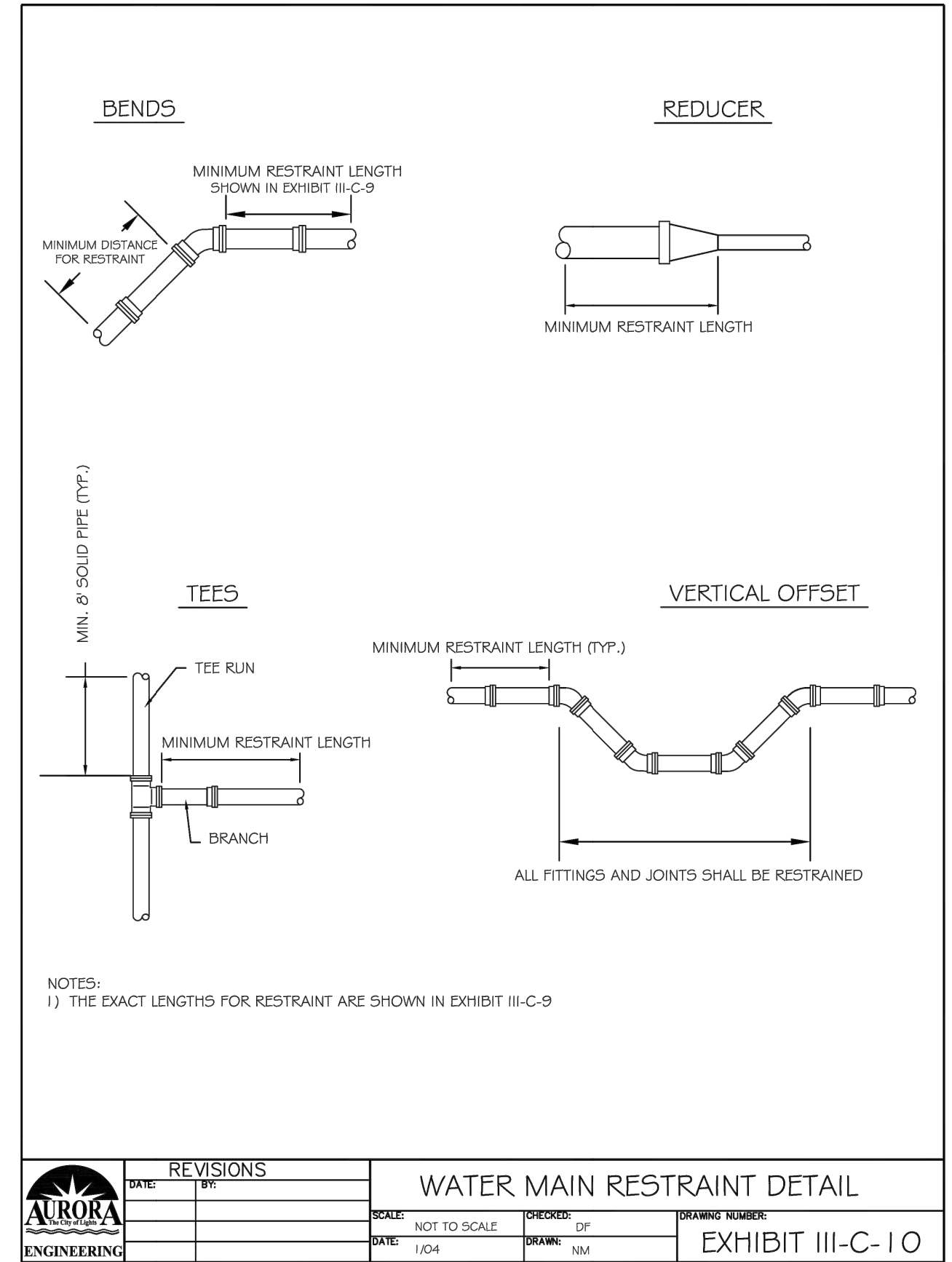
² Minimum of 8 ft of solid pipe is required on both sides of the fitting on the run side. Distance indicates the length of restraint on the branch side or the side perpendicular to the tee run watermain.

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.

Revisions		Watermain Restraint Length Table	
Date:	By:	Scale:	Checked:
		None	PJH
		Date:	Drawn:
		2/04	DF

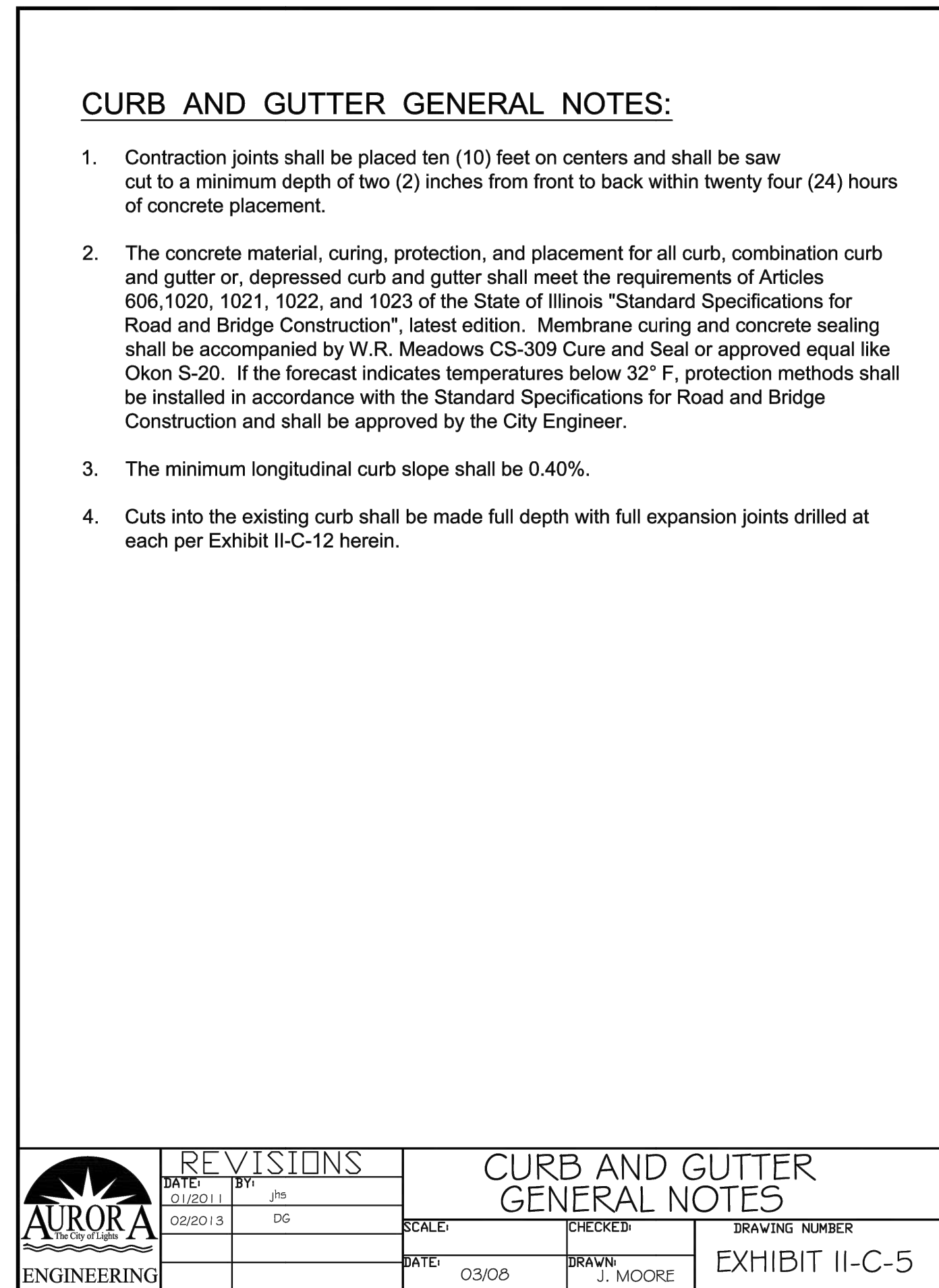
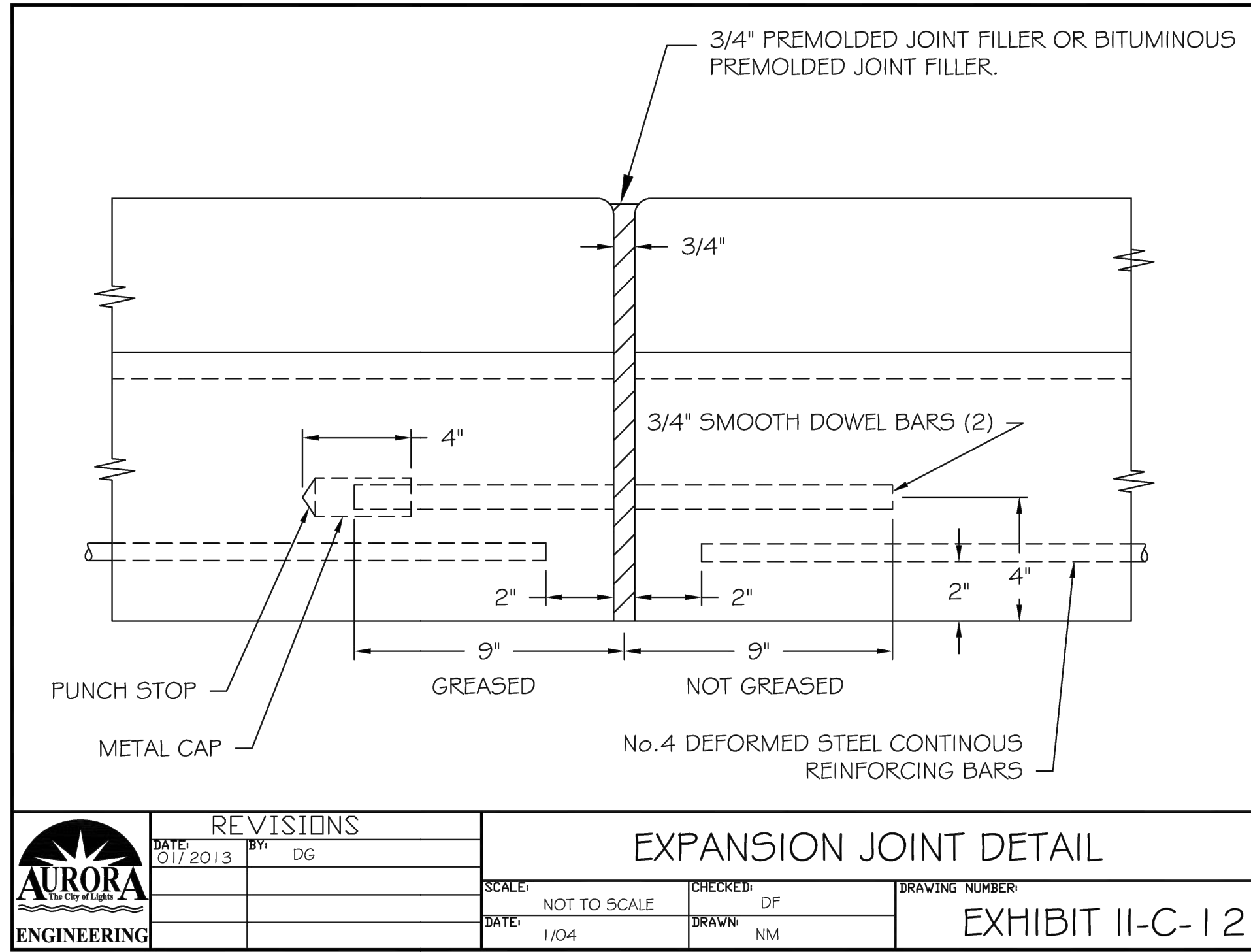
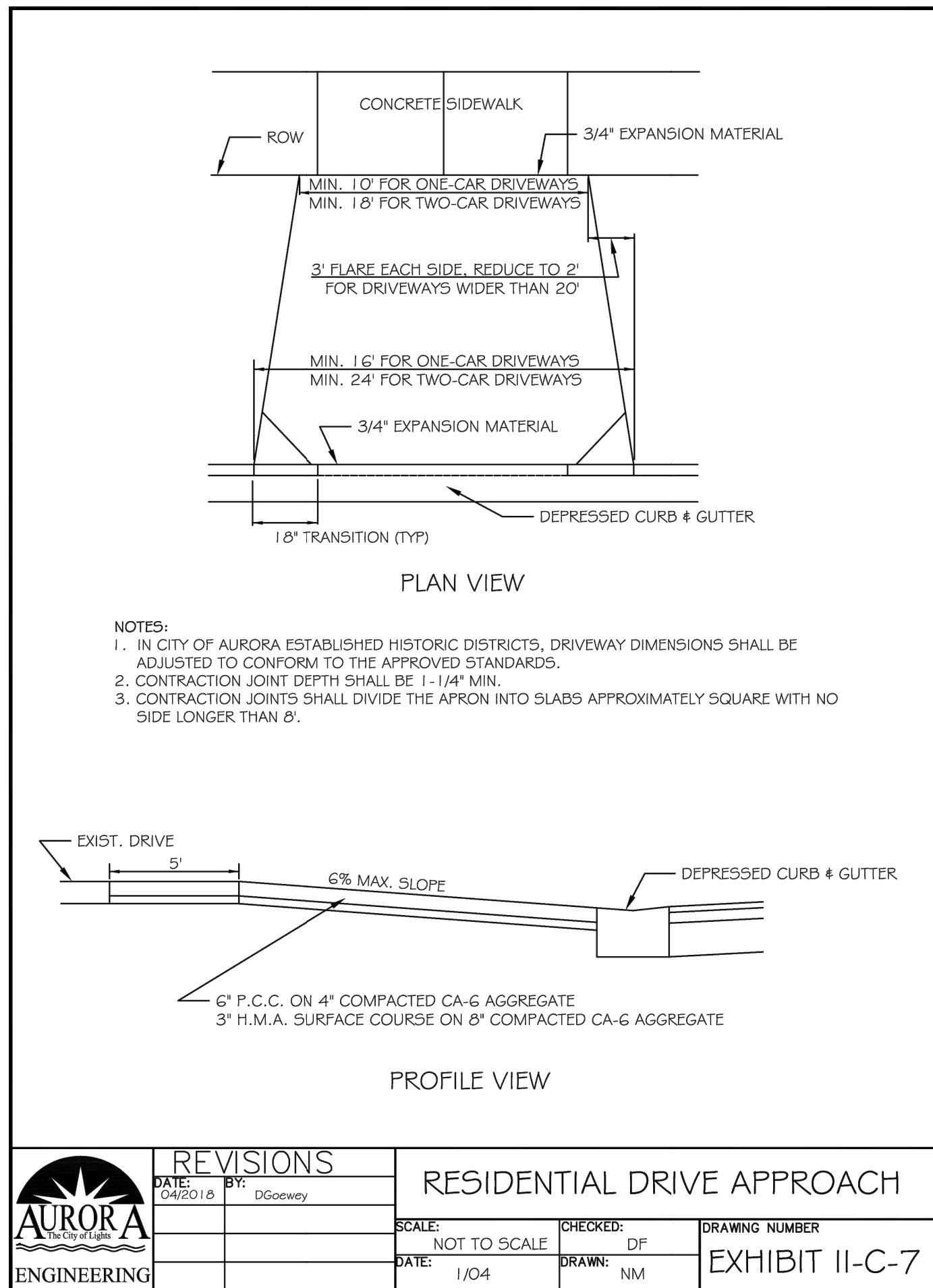
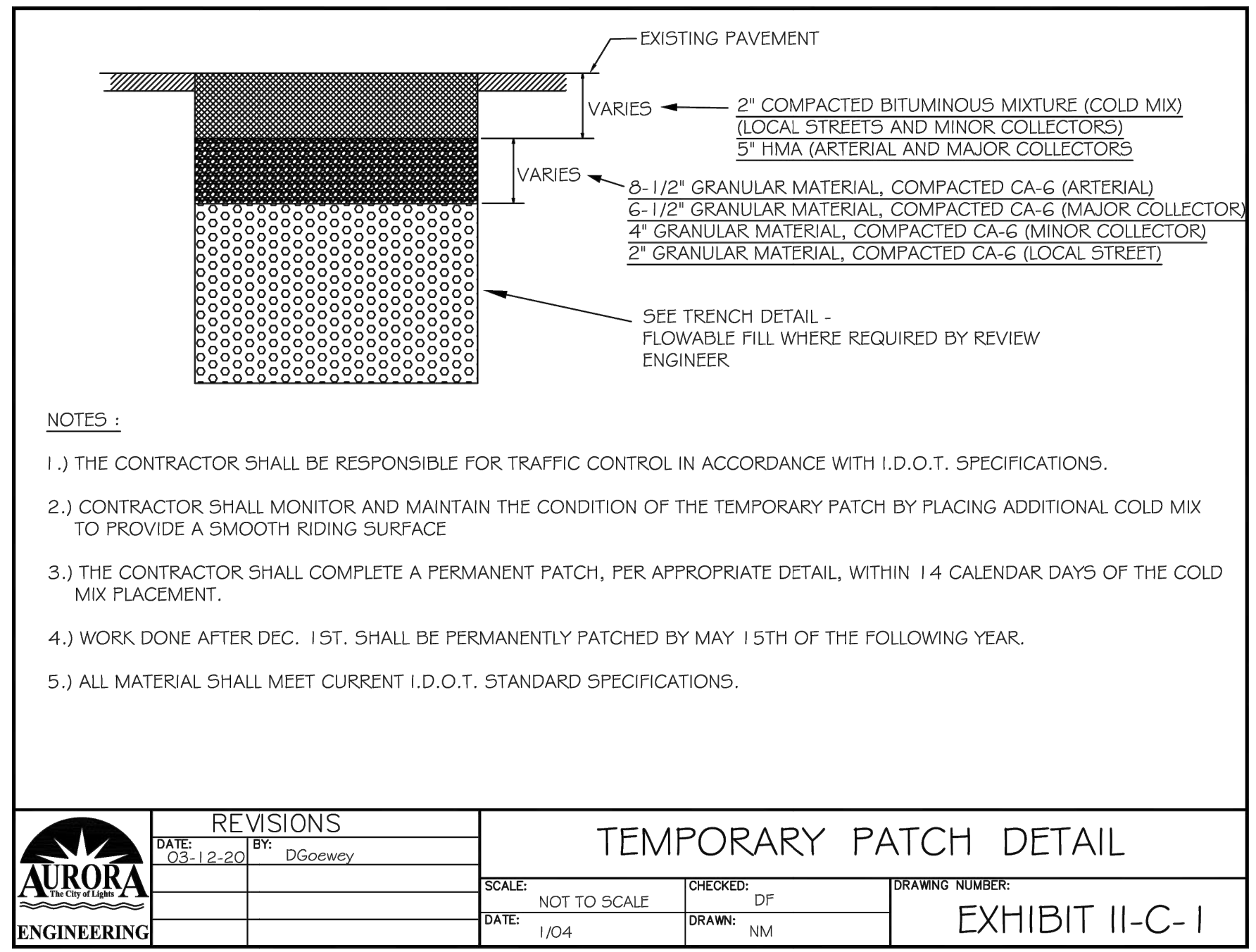
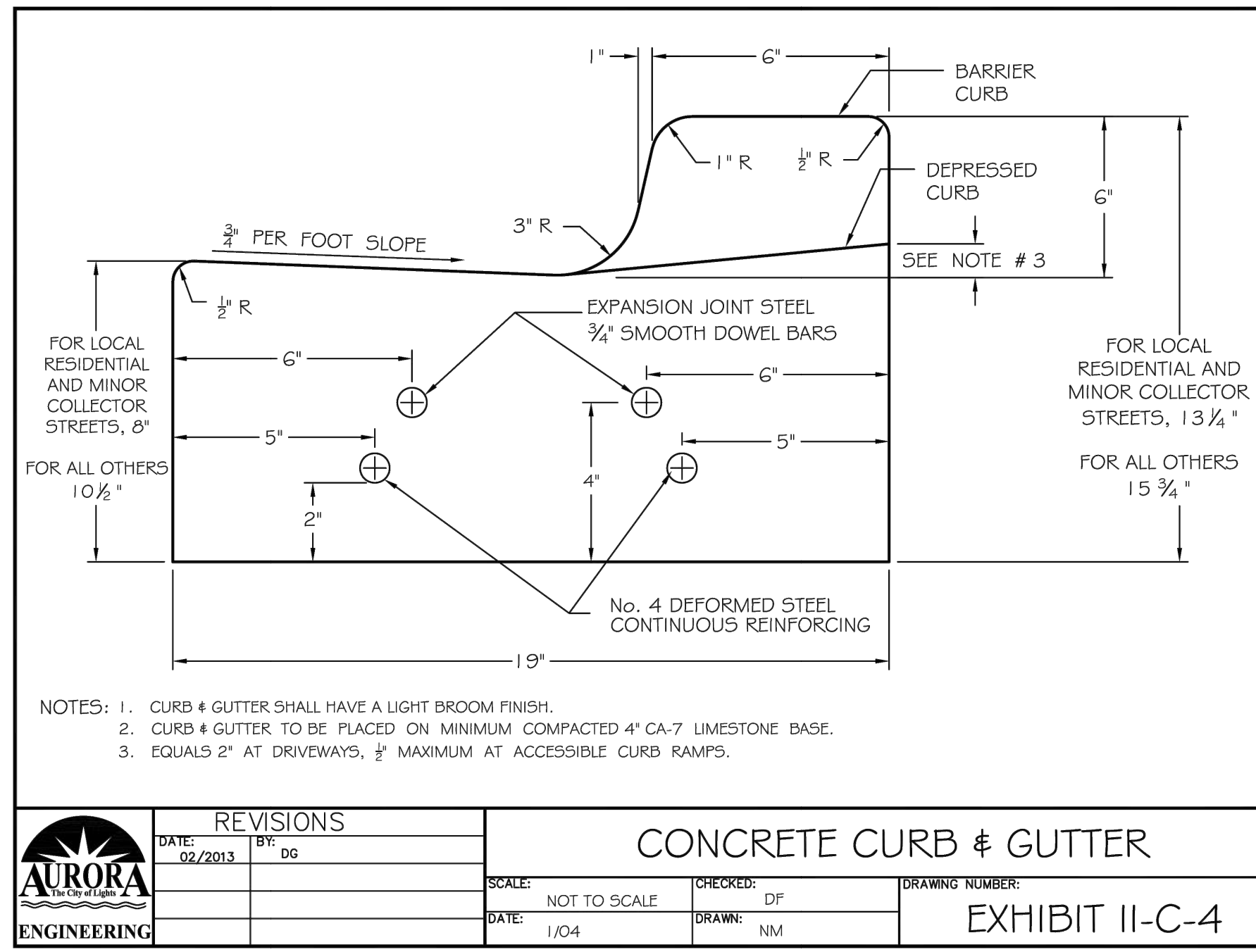
EXHIBIT III-C-9



PLOT DATE: 2/19/2026 11:18 AM LAST SAVED BY: HoppM
FILEPATH: P:\ENGINEERING\CAPITAL IMPROVEMENT PROJECTS\2024 WATER MAIN\LIBERTY, CATHERINE & BECKWITH\CAD\FINAL DRAWINGS\DETAILS - LIBERTY, BECKWITH\CATHERINE.DWG

	CITY OF AURORA ENGINEERING DIVISION 2185 LIBERTY ST. AURORA, ILLINOIS 60502	REVISIONS:	PROJECT LIBERTY ST., BECKWITH ST., CATHERINE ST., & SOLFISBURG AVE. WATER MAIN REPLACEMENT			SHEET NUMBER 13
			SHEET TITLE STANDARD DETAILS			
DESIGNED BY: GL CHECKED BY: GL SCALE: N.T.S.		PROJECT		SHEET NUMBER		
DRAWN BY: MH APPROVED BY: KM DATE: 1/2026		SHEET TITLE		TOTAL SHEETS		

PLOT DATE: 2/19/2026 11:18 AM LAST SAVED BY: HoppM
 FILEPATH: P:\ENGINEERING\CAPITAL IMPROVEMENT PROJECTS\2024 WATER MAIN\LIBERTY, CATHERINE & BECKWITH\CAD\FINAL DRAWINGS\DETAILS - LIBERTY, BECKWITH\CATHERINE.DWG



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: KM	DATE: 1/2026

PROJECT: LIBERTY ST., BECKWITH ST., CATHERINE ST., & SOLFISBURG AVE. WATER MAIN REPLACEMENT
 SHEET TITLE: STANDARD DETAILS

SHEET NUMBER: 14
 TOTAL SHEETS: 15

PLOT DATE: 2/19/2026 11:18 AM LAST SAVED BY: HoppM FILEPATH: P:\ENGINEERING\CAPITAL IMPROVEMENT PROJECTS\2024 WATER MAIN\LIBERTY, CATHERINE & BECKWITH\CAD\FINAL DRAWINGS\DETAILS - LIBERTY, BECKWITH\CATHERINE.DWG

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

- Lifting straps, not included, should be placed under the Dandy Dewatering Bag™ to facilitate removal after use.
- 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.
- 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.
- 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:

- Remove the unit and sediment from environmentally sensitive areas and waterways. At the approved disposal site open or silt 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.
- 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

SILT FENCE PLAN

ELEVATION

FABRIC ANCHOR DETAIL

NOTES:

- 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.
- 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.
- Fence posts shall be either standard steel post or wood post with a minimum cross-sectional area of 3.0 sq. in.

REFERENCE Project _____	DESIGNED _____	DATE _____	STANDARD DWG. NO. IL-620
Checked _____	DATE _____	DATE _____	SHEET 1 OF 2
Approved _____	DATE _____	DATE _____	DATE 11-20-01

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 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-CONTRACTORS 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

- 24.53% ASP PERENNIAL RYEGRASS
- 24.46% CADDISGRASS PERENNIAL RYEGRASS
- 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

261 LBS./AC.

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 _____

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.

INLET PROTECTION - PAVED AREAS DROP-IN PROTECTION

REFERENCE Project _____	DESIGNED _____	DATE _____	STANDARD DWG. NO. IUM-561D
Checked _____	DATE _____	DATE _____	SHEET 1 OF 1
Approved _____	DATE _____	DATE _____	DATE 01-11-11

SILT FENCE - SPLICING TWO FENCES

ATTACHING TWO SILT FENCES

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

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

PAVEMENT RESTORATION FOR RESIDENTIAL STREETS AND MINOR COLLECTORS

<p>CITY OF AURORA ENGINEERING DIVISION 2185 LIBERTY ST. AURORA, ILLINOIS 60502</p>	<p>REVISIONS:</p>	<p>DESIGNED BY: GL</p>	<p>CHECKED BY: GL</p>	<p>SCALE: N.T.S.</p>	<p>PROJECT LIBERTY ST., BECKWITH ST., CATHERINE ST., & SOLFISBURG AVE. WATER MAIN REPLACEMENT</p>	<p>SHEET NUMBER 15</p>
		<p>DRAWN BY: MH</p>	<p>APPROVED BY: KM</p>	<p>DATE: 1/2026</p>		