

# 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.

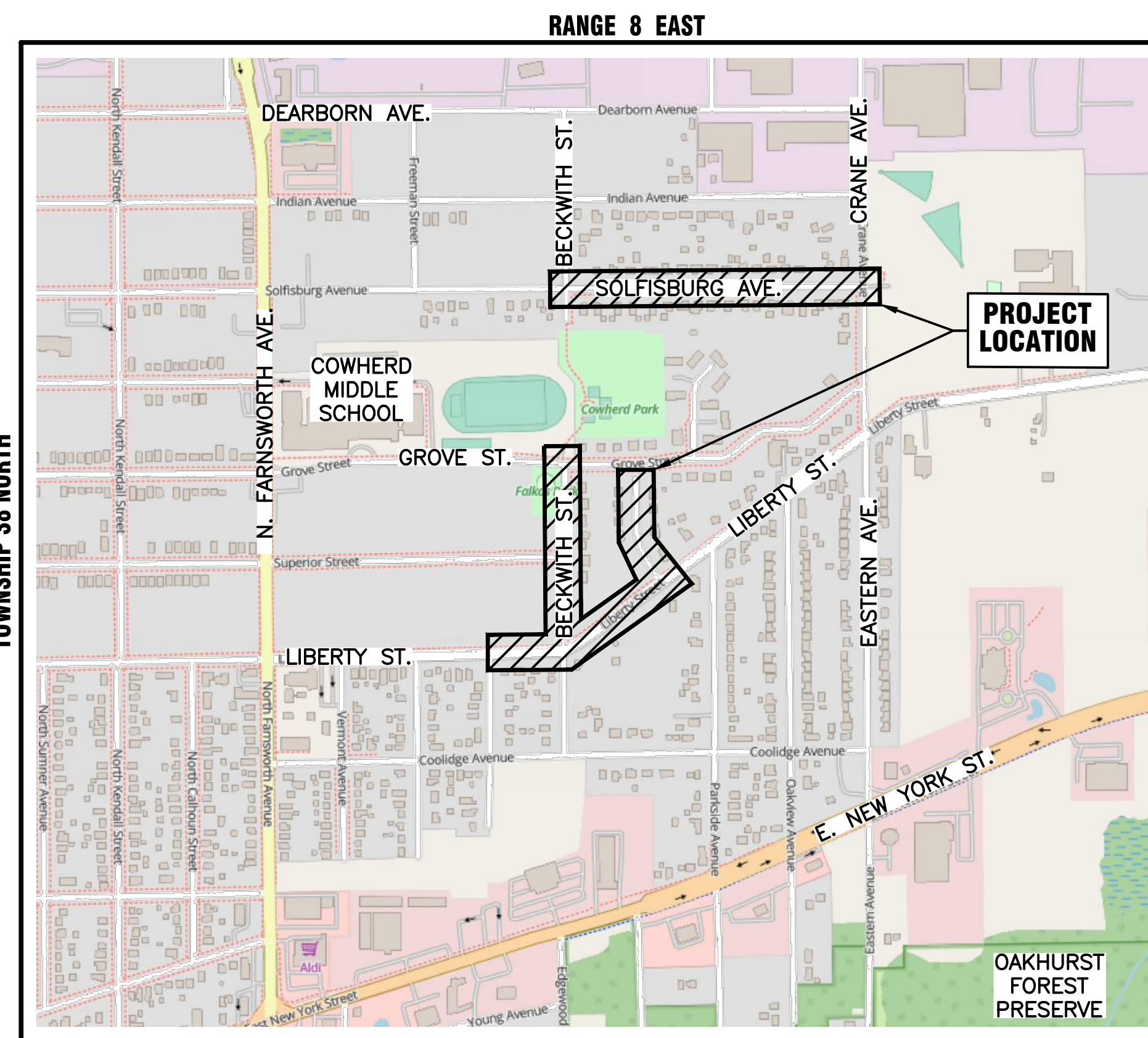
JANUARY 2026

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

#### INDEX OF SHEETS

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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

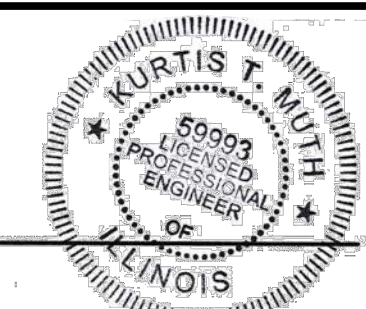
DESIGNED BY: GL	DRAWN BY: MH	CHECKED BY: GL	APPROVED BY: KTM	HORIZ. SCALE: N/A	DATE: JAN. 2026
				VERT. SCALE: N/A	

STAMP

ILLINOIS REGISTERED PROFESSIONAL

ENGINEER No.

LICENSE EXPIRES



DATE

062.59993

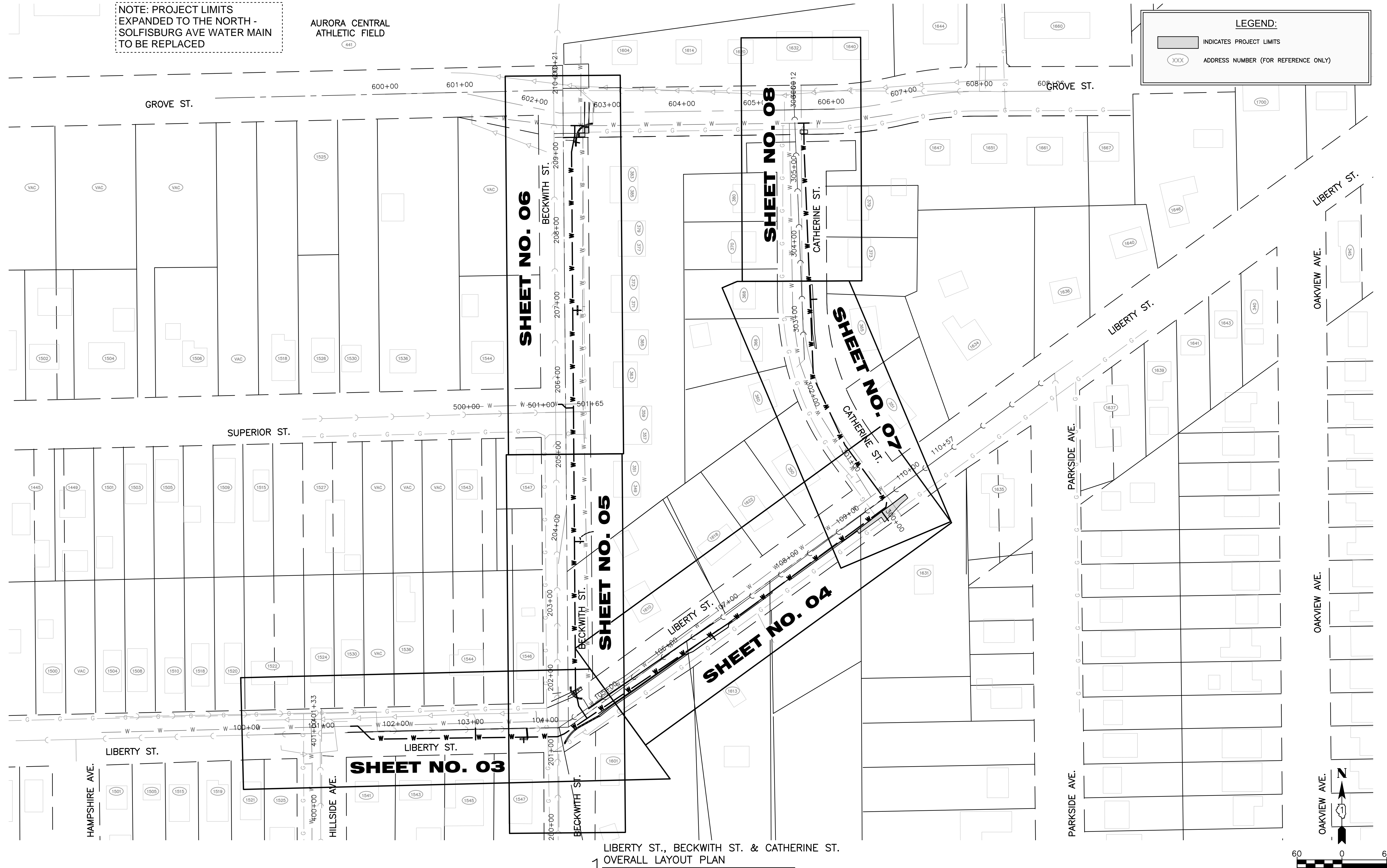
NOVEMBER 30, 2027

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

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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.

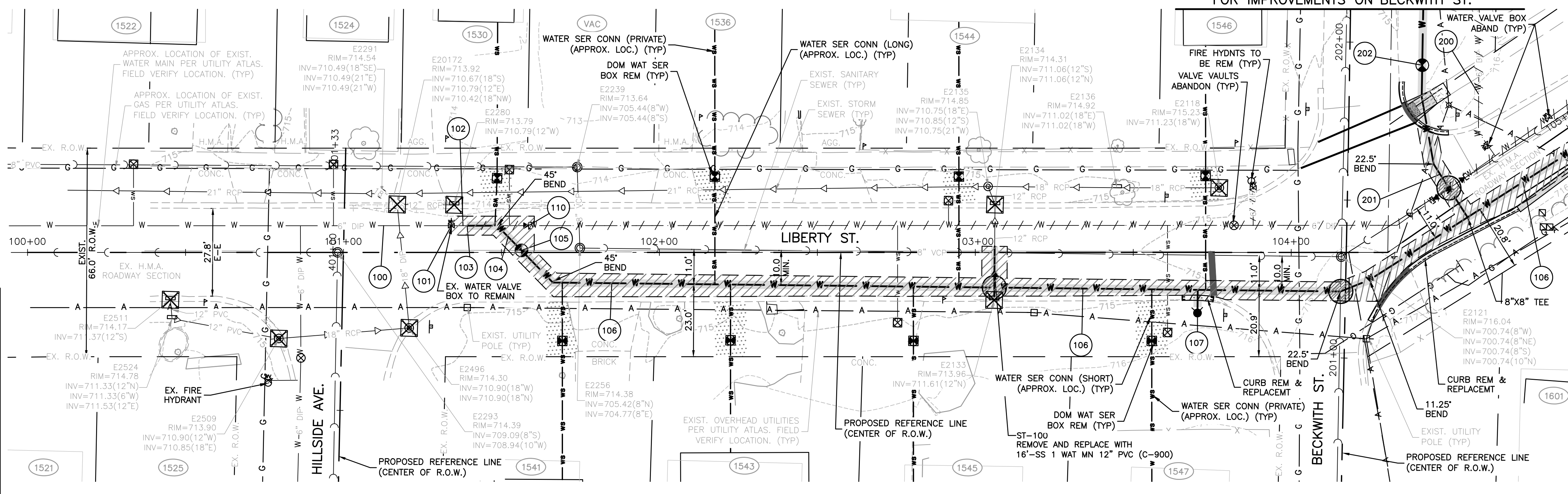
MATCH LINE STA. 105+00  
SEE SHEET NO. 04

**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	

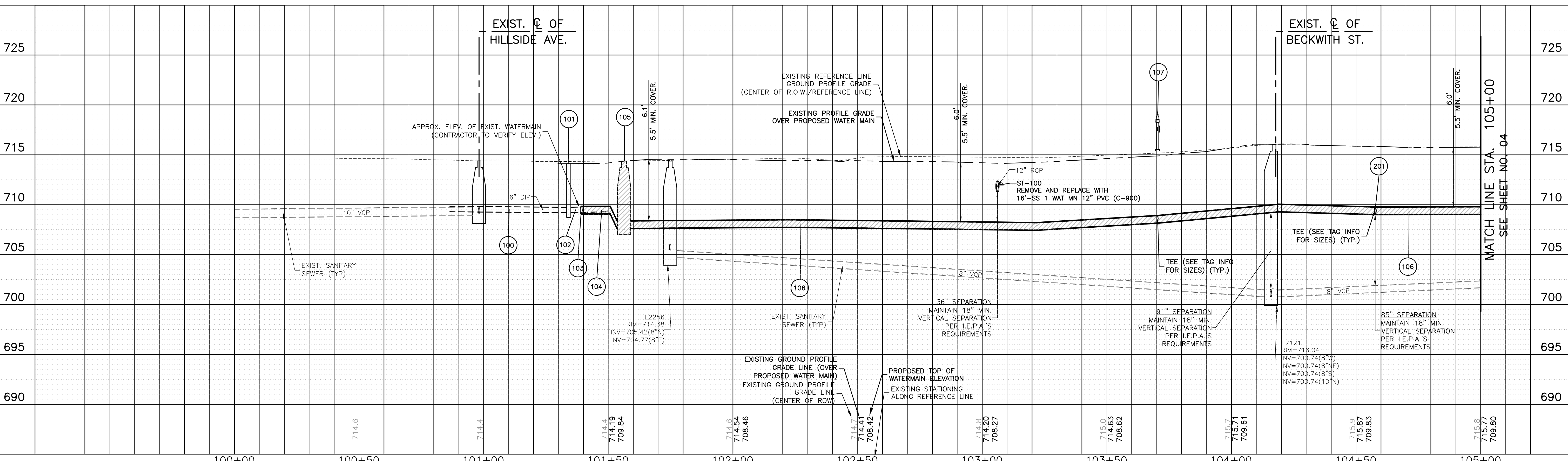
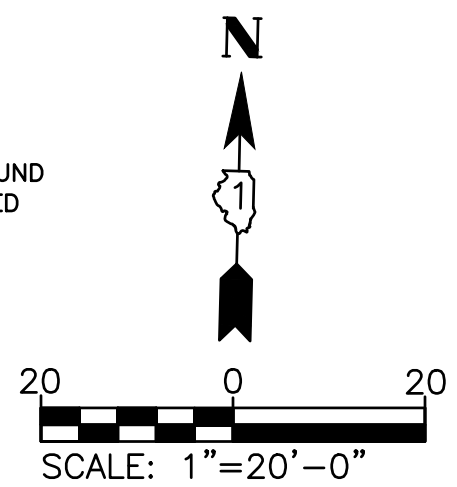


- CONCRETE SIDEWALK REMOVAL AND REPLACEMENT
- ADA CURB RAMP
- ADA DETECTABLE WARNINGS
- CONCRETE CURB & GUTTER REMOVAL AND REPLACEMENT
- DEPRESSED CURB

**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 & ASSOCIATES, INC.  
 PROJECT CONTACT: MLEWIS & ASSOCIATES, INC.  
 DATE PLOTTED: 1/12/2026 8:24 AM  
 FILE NAME: 2402297.01-PnP-100-Liberty-St  
 CLIENT: CITY OF AURORA  
 DWG TO PDF: pc3  
 PLOT DRIVER: Ildot-Standard.ctb  
 PEN TABLE:

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

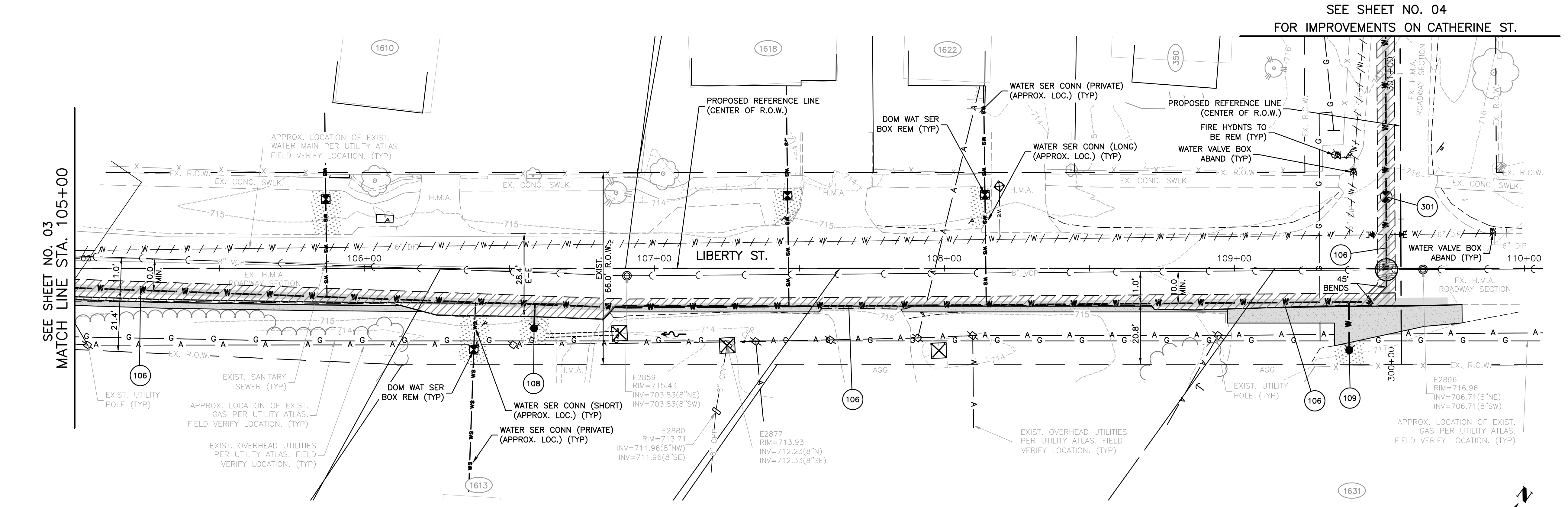
**# WATER MAIN TAGS**

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



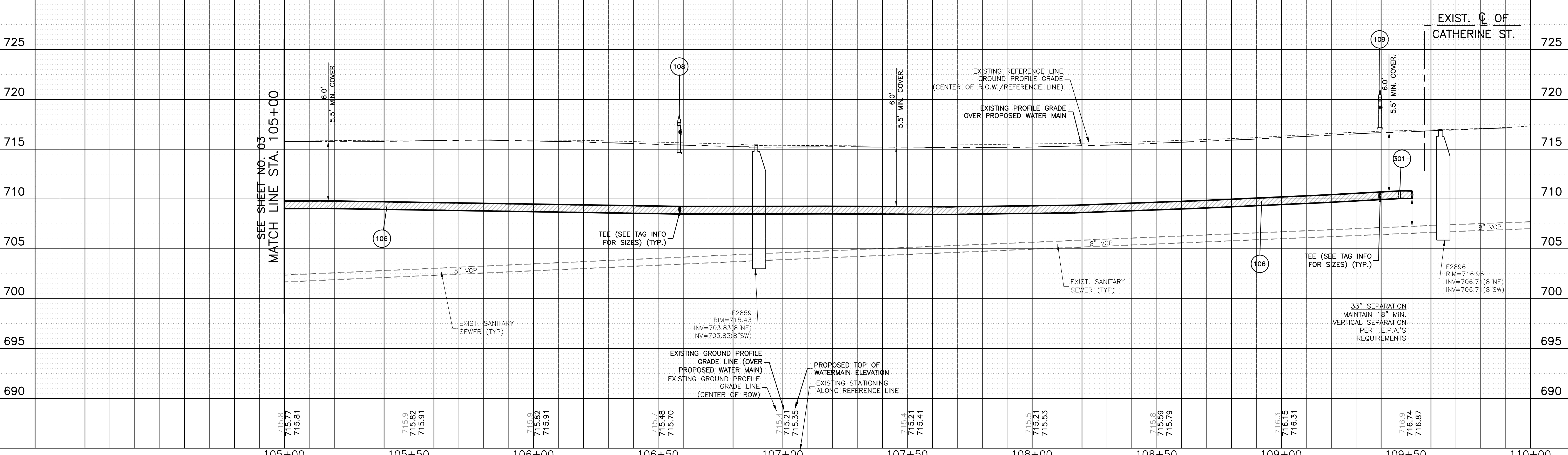
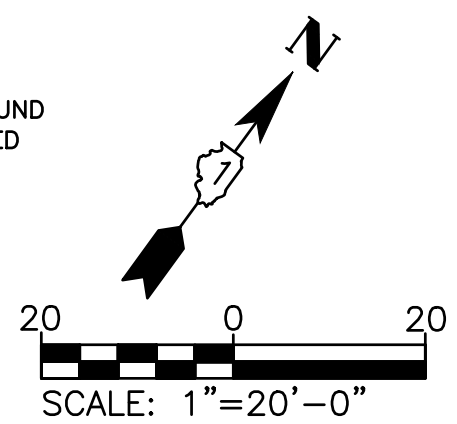
- CONCRETE SIDEWALK REMOVAL AND REPLACEMENT
- ADA CURB RAMP
- ADA DETECTABLE WARNINGS
- CONCRETE CURB & GUTTER REMOVAL AND REPLACEMENT
- DEPRESSED CURB

**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]  
NOTE BOOK NO.: [Number]  
CAUD 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]  
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  
**FILE NAME:** 2402297.01-PnP-100-Liberty-St  
**PLOT DRIVER:** [Name]  
**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

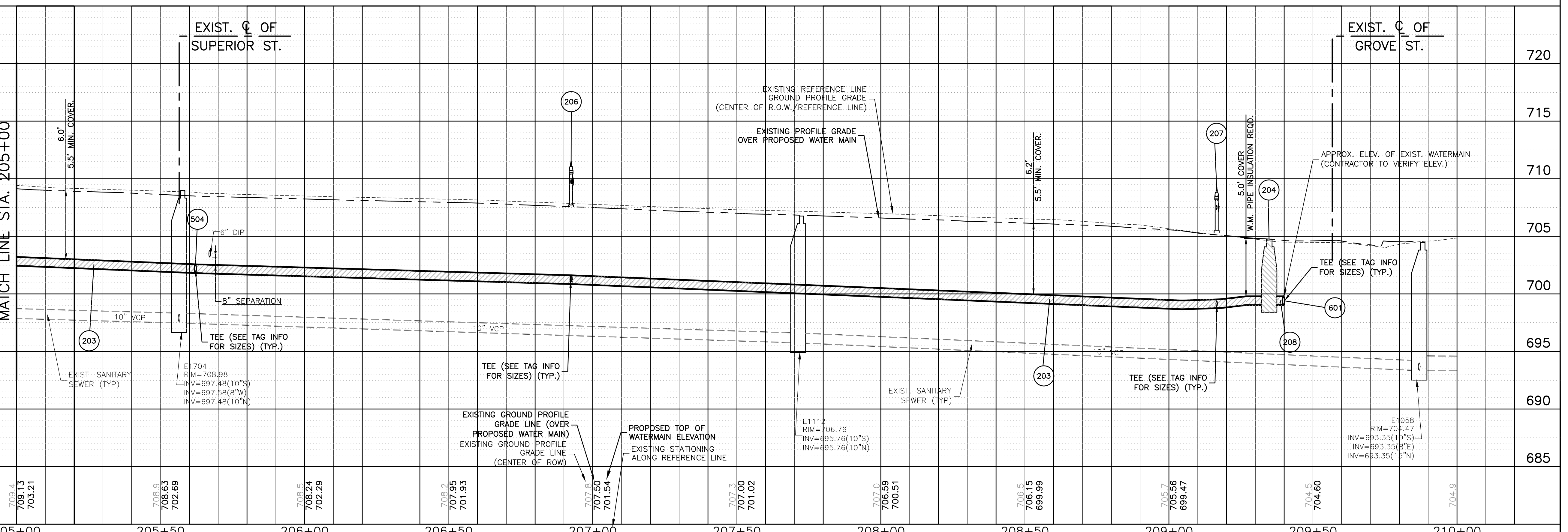
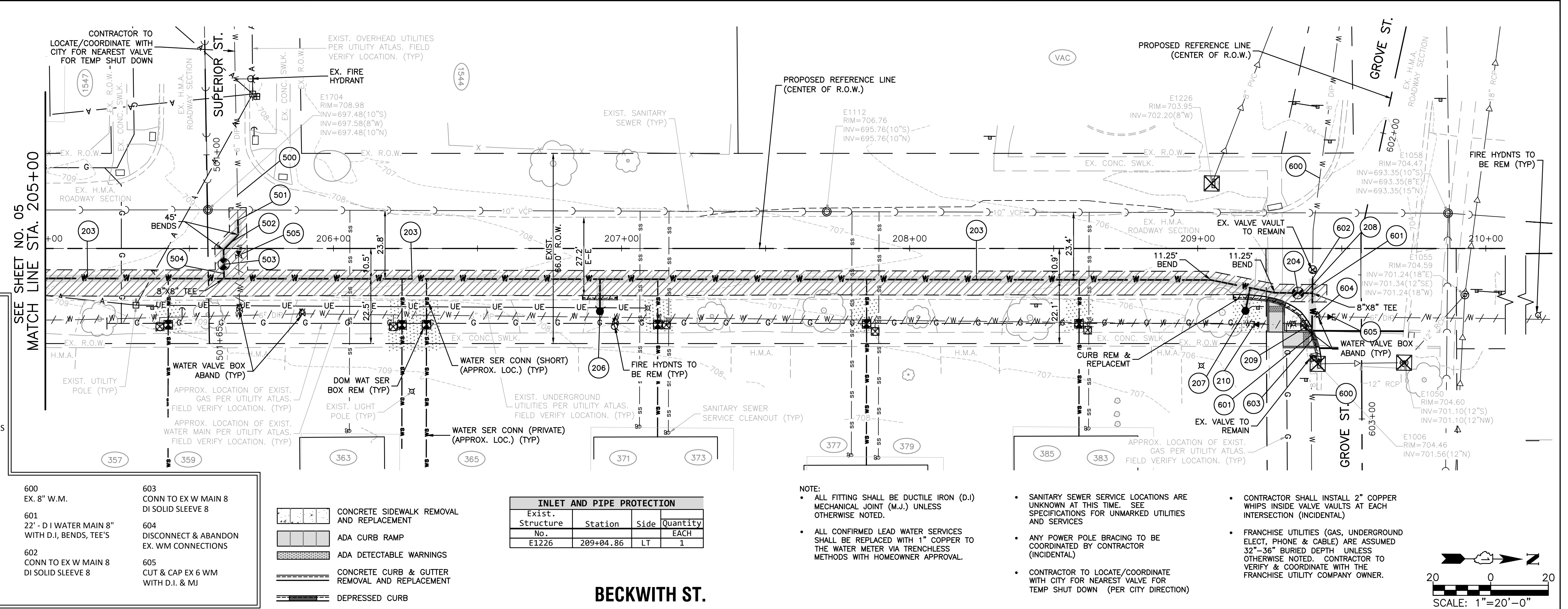
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 FILE NAME: **1/12/2026**  
 PLOT DRIVER: **1/12/2026**  
 PEN TABLE: **ILDOT-Standard.ctb**

**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
- INDICATES TRENCH BACKFILL
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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

- 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.
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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 -	<b>CITY OF AURORA</b> LIBERTY ST., BECKWITH ST., CATHERINE ST., & SOLFISBURG AVE. <b>WATER MAIN REPLACEMENT</b>	<b>BECKWITH ST.</b> WATER MAIN PLAN AND PROFILE	MUN. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
FILE NAME = 2402297.01-PnP-200-Beckwith_BRAWN	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-PnP-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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- 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**

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.

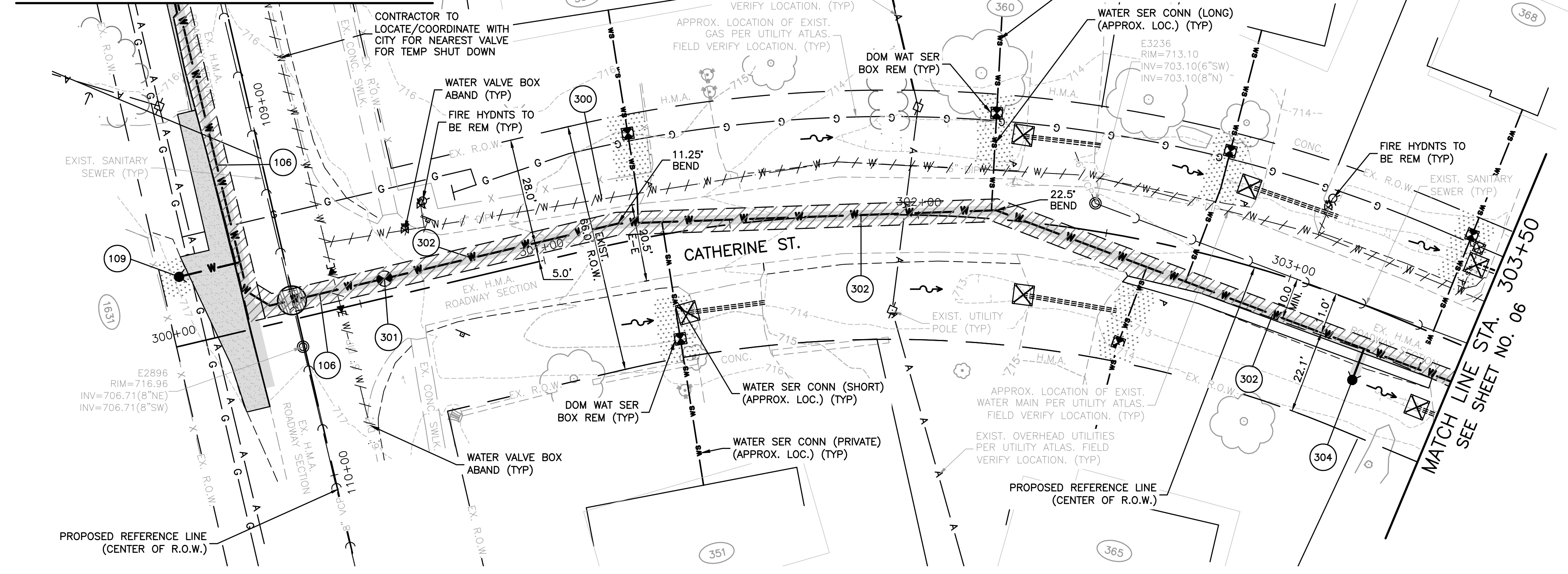
301  
 VV TA 4 DIA T1F CL  
 8" GATE VALVE  
 RIM= 716.30

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

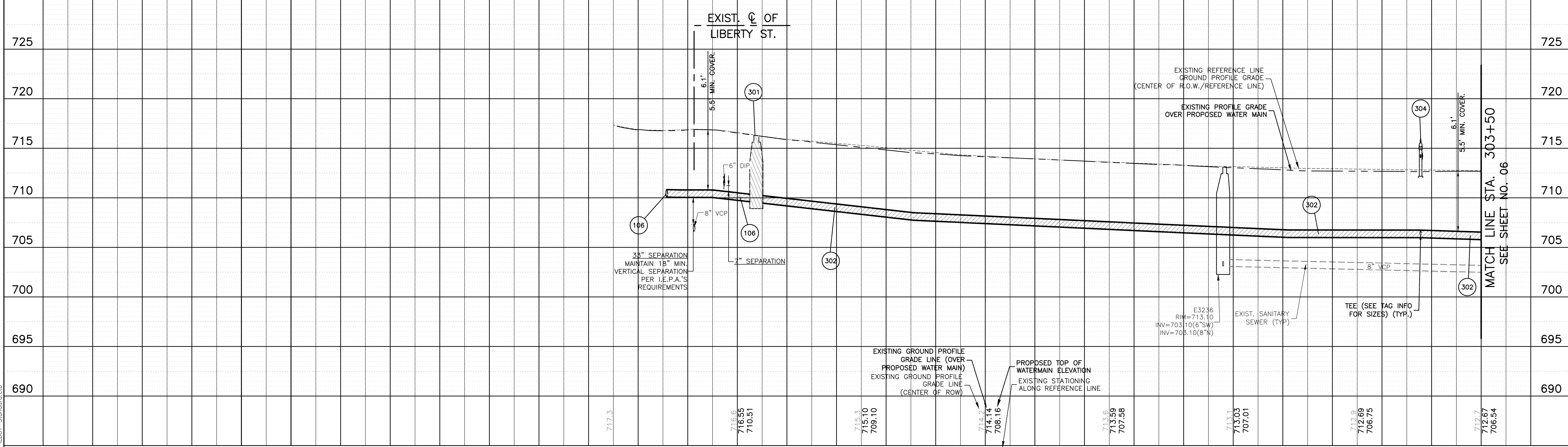
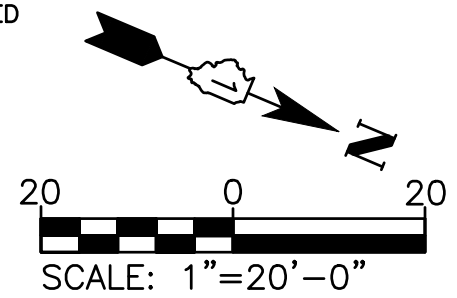
SEE SHEET NO. 04  
 FOR IMPROVEMENTS ON LIBERTY ST.



**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

- 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.



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-PnP-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. \_\_\_\_\_

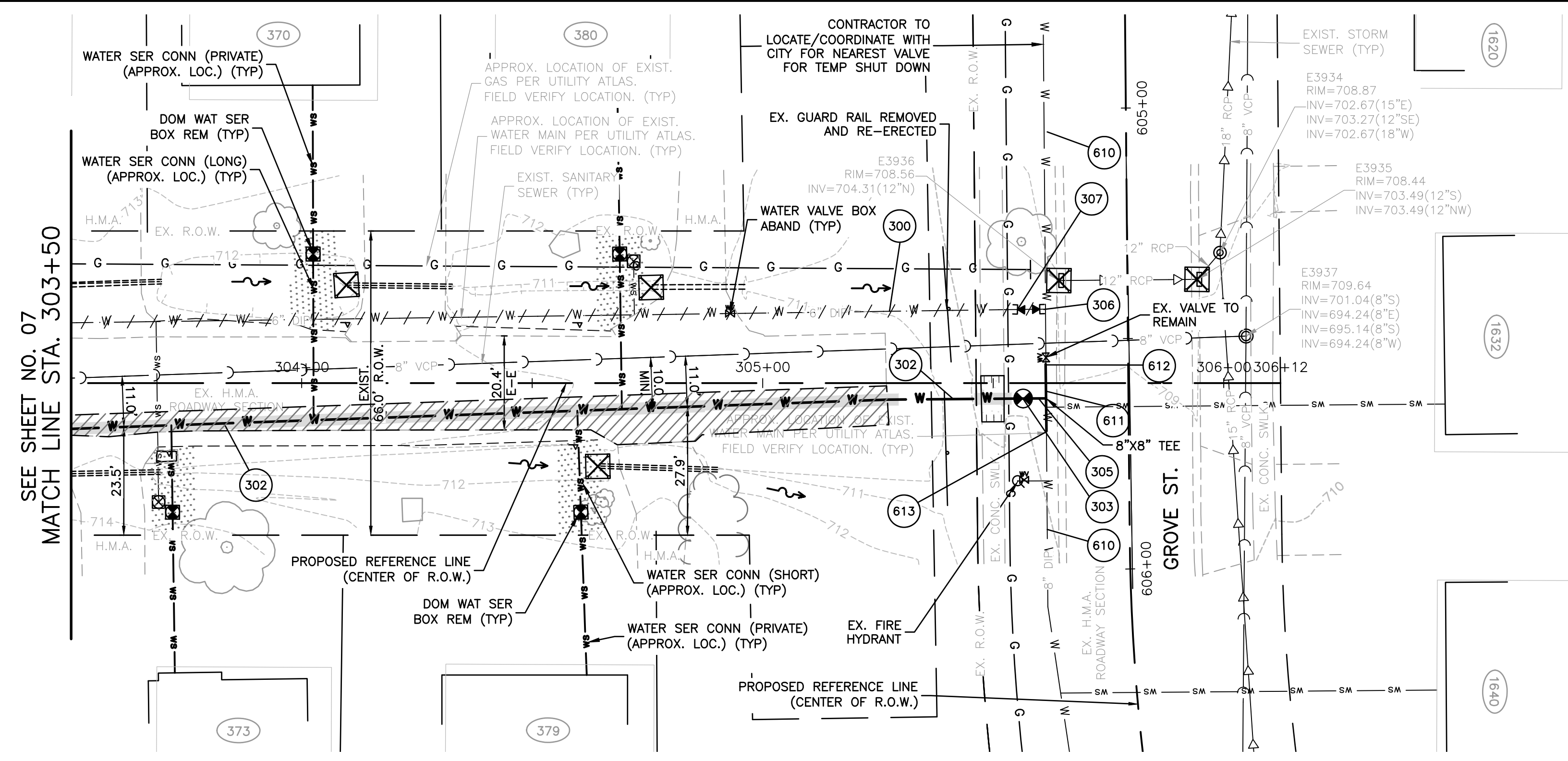
COMPANY NAME: \_\_\_\_\_  
 PROJECT CONTACT: \_\_\_\_\_  
 DATE PLOTTED: 1/12/2026 8:26 AM  
 FILE NAME: 2402297.01-PnP-300-Catherine\_St  
 DWG TO PDF: pc3  
 ILLDOT-Standard.ctb

**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
- ▨ 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	

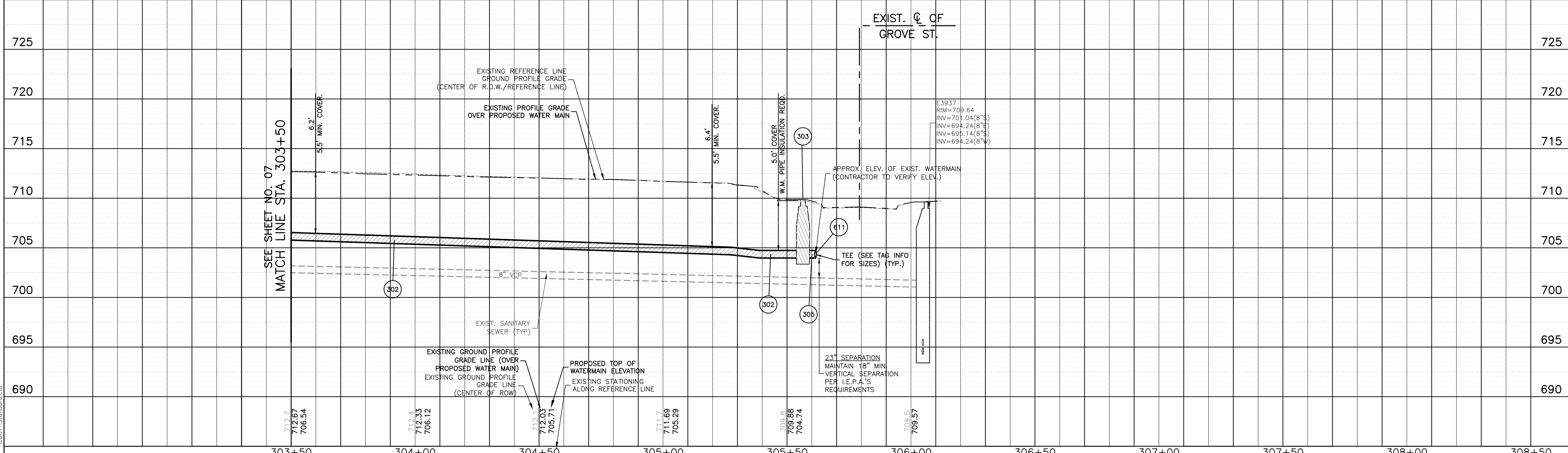
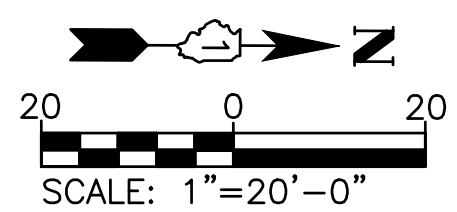


**INLET AND PIPE PROTECTION**

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.**

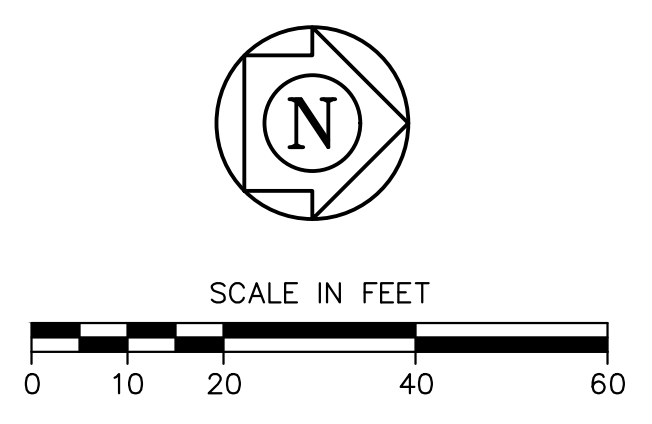
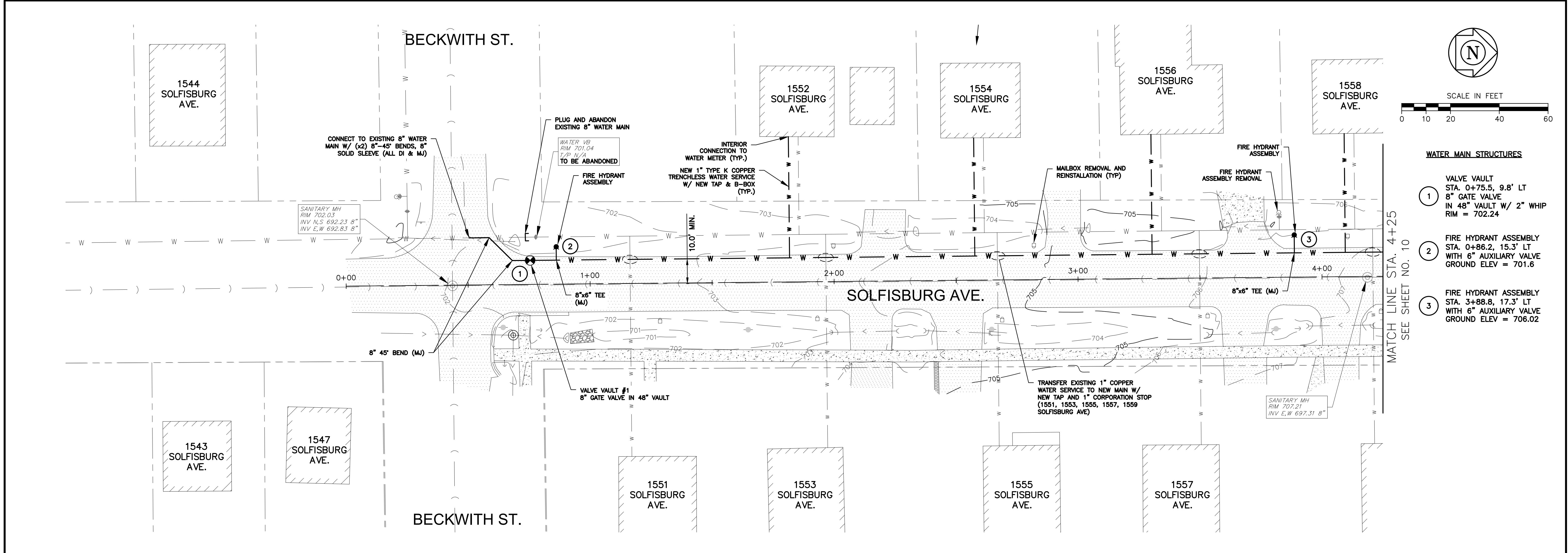
- NOTE:
- ALL FITTING SHALL BE DUCTILE IRON (D.I) MECHANICAL JOINT (M.J.) UNLESS OTHERWISE NOTED.
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  - SANITARY SEWER SERVICE LOCATIONS ARE UNKNOWN AT THIS TIME. SEE SPECIFICATIONS FOR UNMARKED UTILITIES AND SERVICES
  - ANY POWER POLE BRACING TO BE COORDINATED BY CONTRACTOR (INCIDENTAL)
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  - CONTRACTOR SHALL INSTALL 2" COPPER WHIPS INSIDE VALVE VAULTS AT EACH INTERSECTION (INCIDENTAL)
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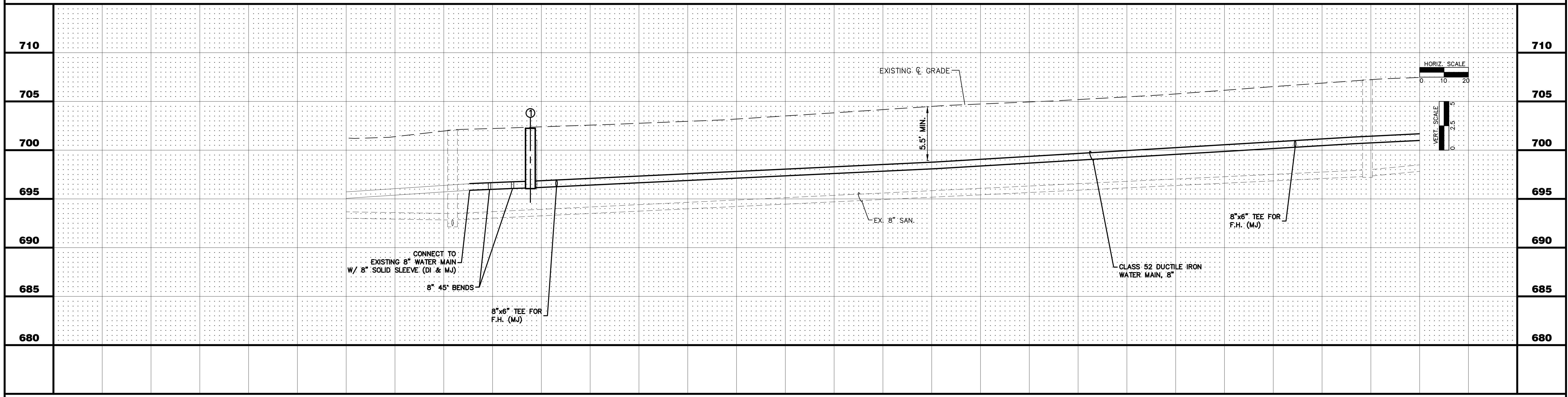
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FILE NAME = 2402297.01-PnP-300-Catherine_St	DRAWN - MPL	REVISED -					KANE	15	08		
PLOT SCALE = 1"=20'	CHECKED - CL/KM	REVISED -					CONTRACT NO. _____				
PLOT DATE = 1/12/2026	DATE - 01/12/2026	REVISED -					ILLINOIS FED. AID PROJECT				

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

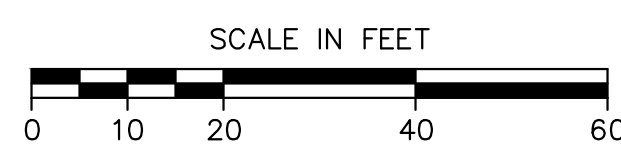
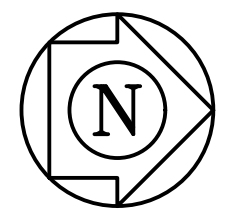
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- WATER MAIN STRUCTURES**
- 1 VALVE VAULT  
STA. 0+75.5, 9.8' LT  
8" GATE VALVE  
IN 48" VAULT W/ 2" WHIP  
RIM = 702.24
  - 2 FIRE HYDRANT ASSEMBLY  
STA. 0+86.2, 15.3' LT  
WITH 6" AUXILIARY VALVE  
GROUND ELEV = 701.6
  - 3 FIRE HYDRANT ASSEMBLY  
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:		PROJECT <b>LIBERTY ST., BECKWITH ST., CATHERINE ST., &amp; SOLFISBURG AVE. WATER MAIN REPLACEMENT</b>	SHEET NUMBER 9
	DESIGNED BY: GL    CHECKED BY: GL    SCALE: 1" = 20' DRAWN BY: MH    APPROVED BY: KM    DATE: 2/2026			SHEET TITLE <b>PLAN &amp; PROFILE STA. 0+00.0 TO STA. 4+25.0</b>		TOTAL SHEETS 15	



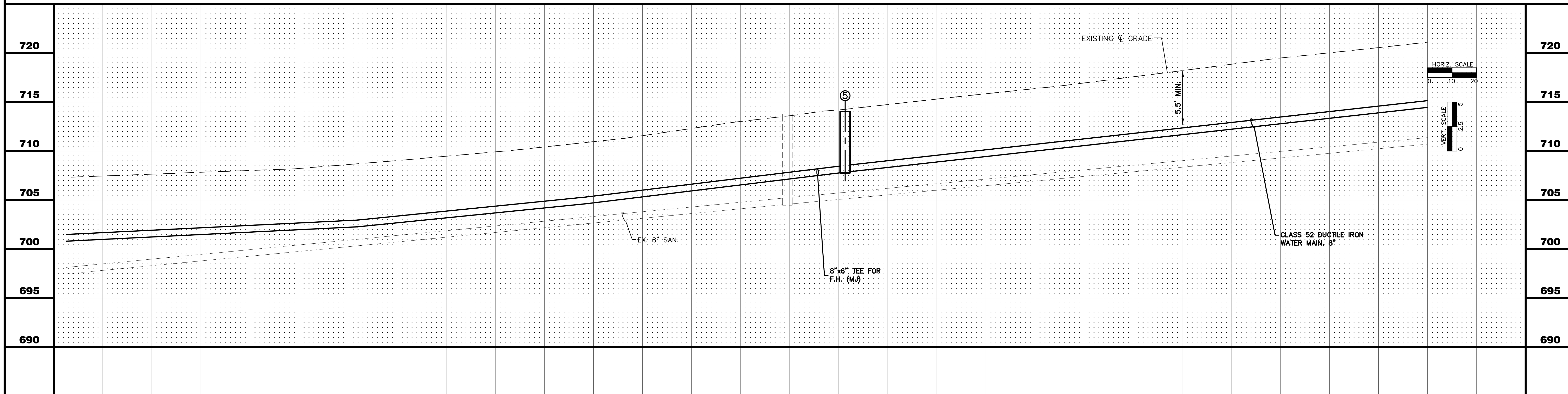
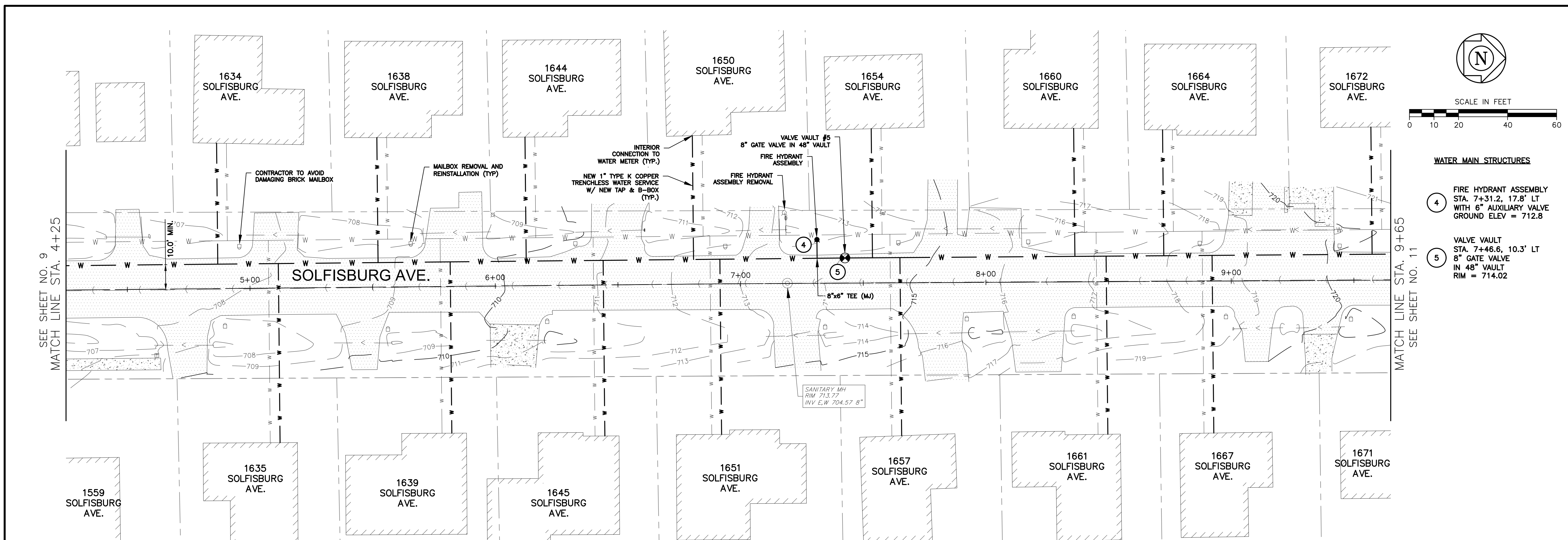
**WATER MAIN STRUCTURES**

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

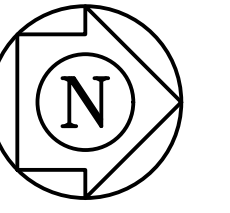
SEE SHEET NO. 9 MATCH LINE STA. 4+25

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				SHEET NUMBER <b>10</b>
REVISIONS:				PROJECT <b>LIBERTY ST., BECKWITH ST., CATHERINE ST., &amp; SOLFISBURG AVE. WATER MAIN REPLACEMENT</b>
DESIGNED BY: GL	CHECKED BY: GL	SCALE: 1" = 20'	SHEET TITLE	
DRAWN BY: MH	APPROVED BY: KM	DATE: 2/2026	<b>PLAN &amp; PROFILE STA. 4+25.0 TO STA. 9+65.0</b>	
				TOTAL SHEETS <b>15</b>

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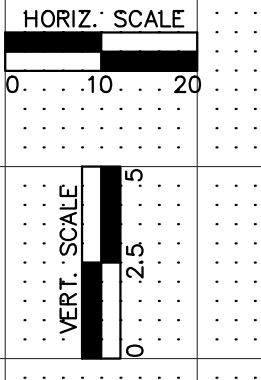
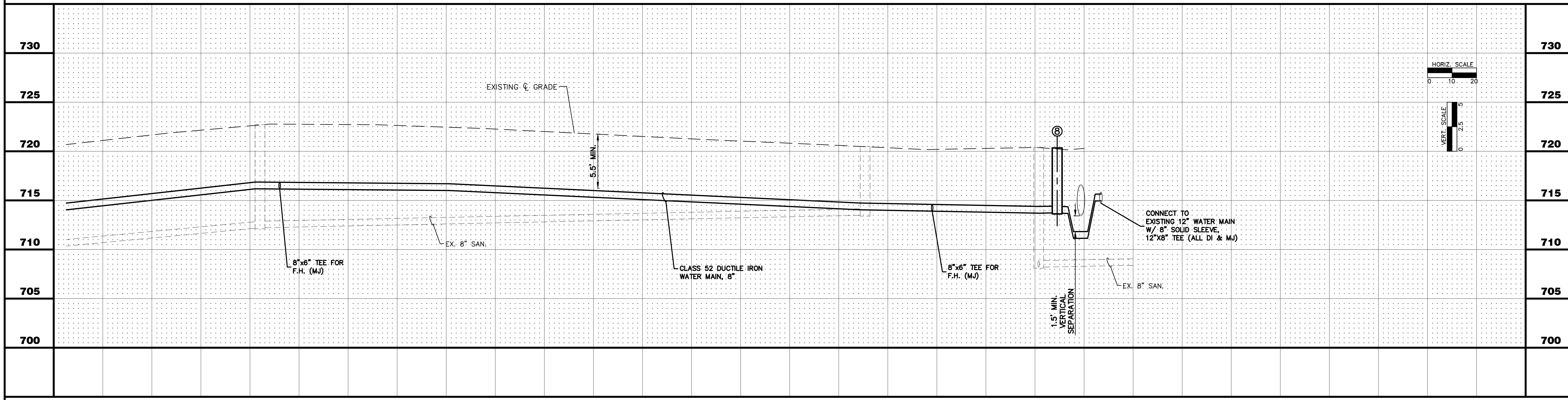
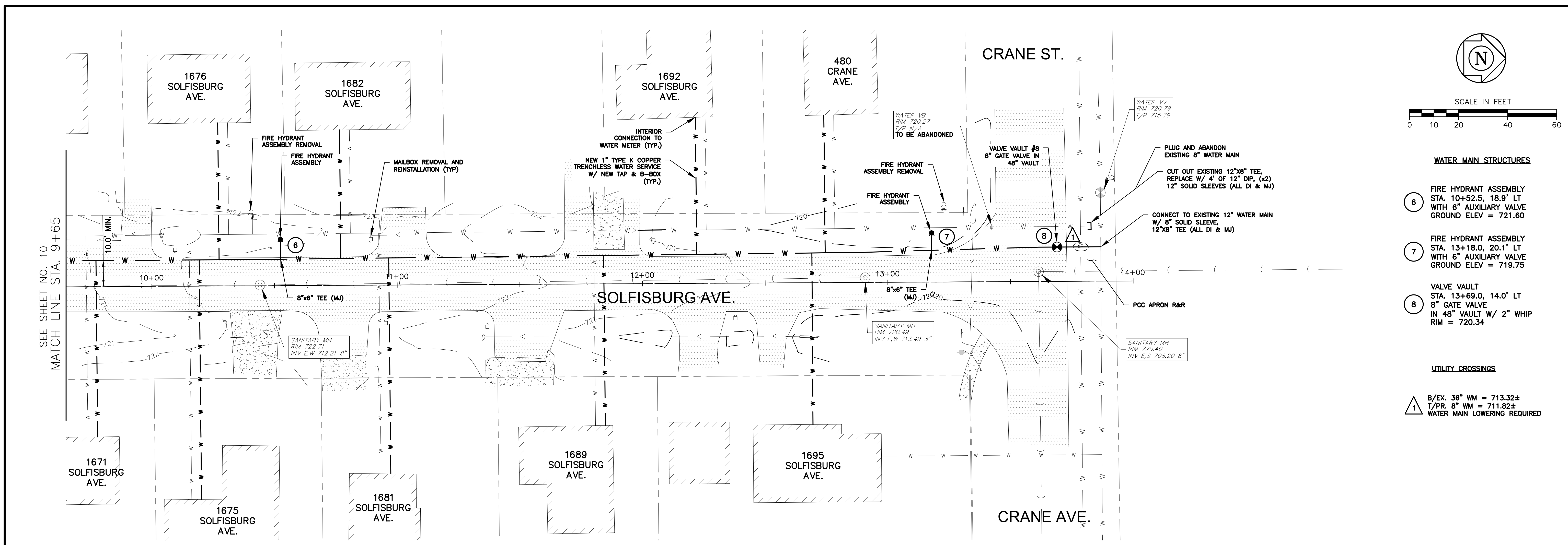


**WATER MAIN STRUCTURES**

- 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**

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



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

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

NOTES:

- DUCTILE IRON CASTINGS SHALL BE GRADE 60-40-18 AND SHALL BE TESTED IN ACCORDANCE WITH FEDERAL SPECIFICATIONS.
- ALL LIDS AND COVERS SHALL BE FINISHED LETTERS.
- ALL MANHOLE COVERS SHALL BE FINISHED LETTERS.
- FRAME AND LID TO BE FINISHED P-1712-25.
- LID SHALL BE CAST WITH THE DESIGNATION "CITY OF AURORA".
- 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 SEALANT MANUFACTURED BY GORHAM PRODUCTS SUPPLY CO. 181 ST. ST. HAMILTON GASKET CO. KENT SEAL OR SILKAS, AS APPROVED BY THE CITY ENGINEER, AND ALL JOINTS TO BE TUCKPOINTED WITH ANTI-HYDRAULIC CEMENT.

**CAST CLOSED LID**

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

NOTES:

- VALVE VAULTS TO BE PRECAST REINFORCED CONCRETE UNLESS OTHERWISE APPROVE.
- 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:	BY:	SCALE:	CHECKED:
02/26/20	DGoewey	NOT TO SCALE	DF
02/04/22	CArmin	DATE:	DRAWN:
		1/04	NM
DRAWING NUMBER		EXHIBIT III-C-4	

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

NOTES:

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

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

NOTES:

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

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

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

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

WHEN CLSM IS REQUIRED

STANDARD TRENCH BACKFILL

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:	BY:	SCALE:	CHECKED:
07-19-19	DGoewey	NOT TO SCALE	LA
		DATE:	DRAWN:
		1/04	DG
DRAWING NUMBER		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:

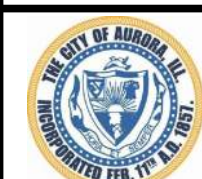
- WHEN WATERMAIN IS LOCATED WITHIN AN EASEMENT RATHER THAN THE PUBLIC RIGHT-OF-WAY, THE BUFFALO-BOXES MUST ALSO BE LOCATED WITHIN THE EASEMENT AND WITHIN 2' OF THE WATERMAIN.

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

MIN. OFFSET 2.5' - CAN VARY PER WATERMAIN SIZE

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

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: 12  
TOTAL SHEETS: 15

PLOT DATE: 2/19/2026 11:18 AM LAST SAVED BY: Hoppm  
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**SECTIONAL VIEW**

**DETAIL VIEW**

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.

DATE:	BY:	SCALE:	CHECKED:	DRAWING NUMBER:
04/18/24	DGoewey	NOT TO SCALE	DF	EXHIBIT III-C-8
1/04			SAZ	

**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 <sup>1</sup>	19	25	35	46
Tee Run x Branch <sup>2</sup>	6" BY	24		
Tee Run x Branch <sup>2</sup>	8" BY	22	34	
Tee Run x Branch <sup>2</sup>	12" BY	18	31	51
Tee Run x Branch <sup>2</sup>	16" BY	14	28	48
Reducer <sup>3</sup>	8" BY	17		
Reducer <sup>3</sup>	12" BY	42	30	
Reducer <sup>3</sup>	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.

DATE:	BY:	SCALE:	CHECKED:	DRAWING NUMBER:
		None	PJH	EXHIBIT III-C-9
		2/04	DF	

**BENDS**

**REDUCER**

**TEES**

**VERTICAL OFFSET**

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

DATE:	BY:	SCALE:	CHECKED:	DRAWING NUMBER:
		NOT TO SCALE	DF	EXHIBIT III-C-10
1/04			NM	

**SANITARY SERVICE CONNECTION**

NOTE  
 SELECT GRANULAR BACKFILL, REQUIRED UNDER PAVED AREAS, TO BE APPROVED BY APPROPRIATE CITY OR VILLAGE.  
**GREATER THAN 45° CONNECTION AT MAIN NOT ALLOWED**

DESIGNED:	FMWRD:	REVISION:	DATE:
KZ		Note Revisions	04/29/08
KZ	MF	Note Revisions	05/09/12
NTS		Overhead & Misc. Note Revisions	02/24/17
1		Depth of stub at R.O.W. note rev. 02/23/2020	
1		CAD DWG.	
1		JOB NO.	

**RISER CONNECTION FOR SERVICE LATERAL**

NOTE  
 FOR SERVICE PIPE MATERIAL SEE SPECIFICATIONS ON PLANS. 6-7\"/>

**GREATER THAN 45° CONNECTION TO MAIN NOT ALLOWED**

DESIGNED:	FMWRD:	REVISION:	DATE:
KZ		Riser & Conflict Notes	03/29/07
KZ	MF	Conflict Note	04/29/08
NTS		Misc. Note Revisions	12/25/16
1		"NOTE" 12" riser note removed	12/29/2020
1		CAD DWG.	
1		JOB NO.	

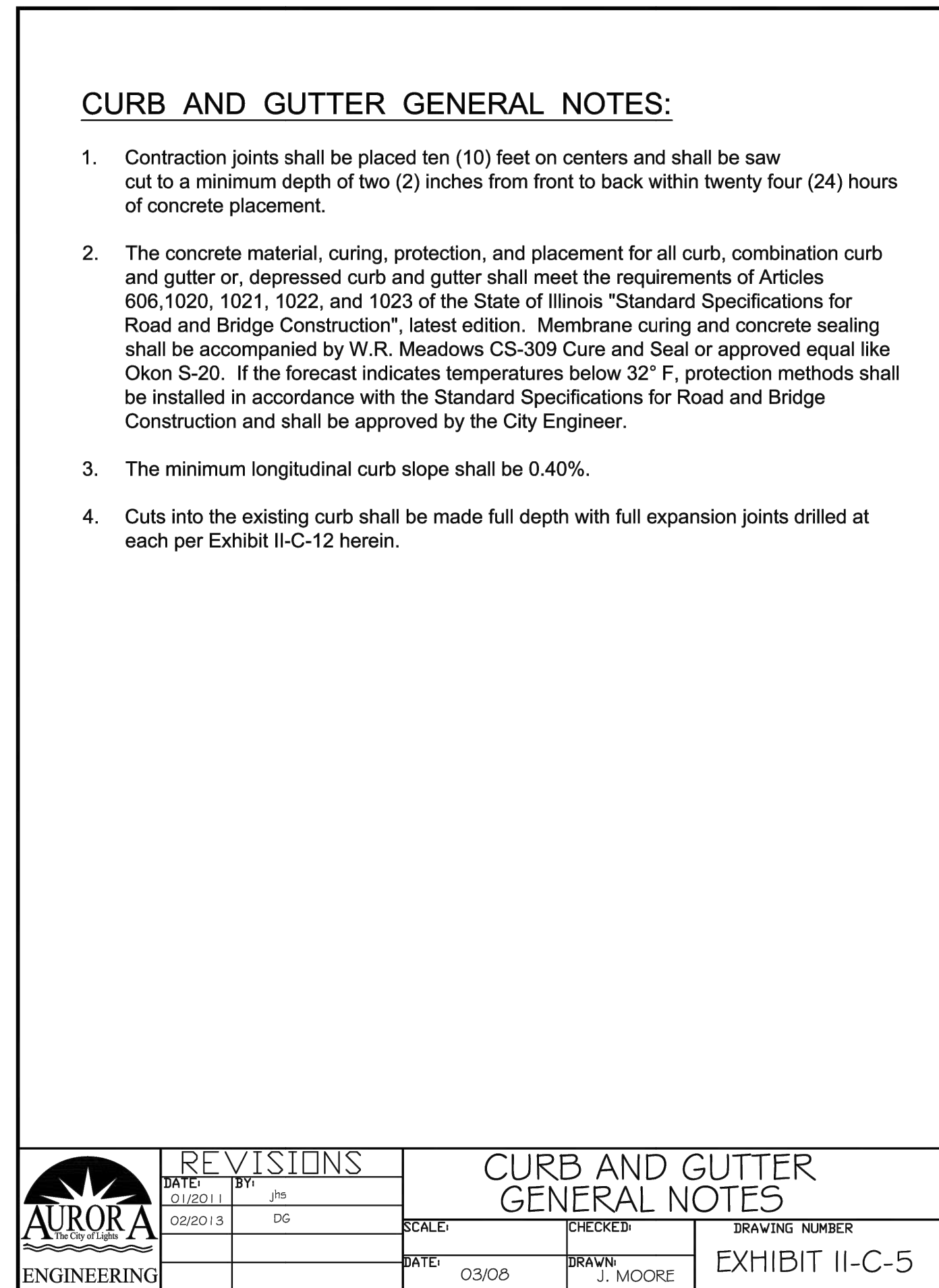
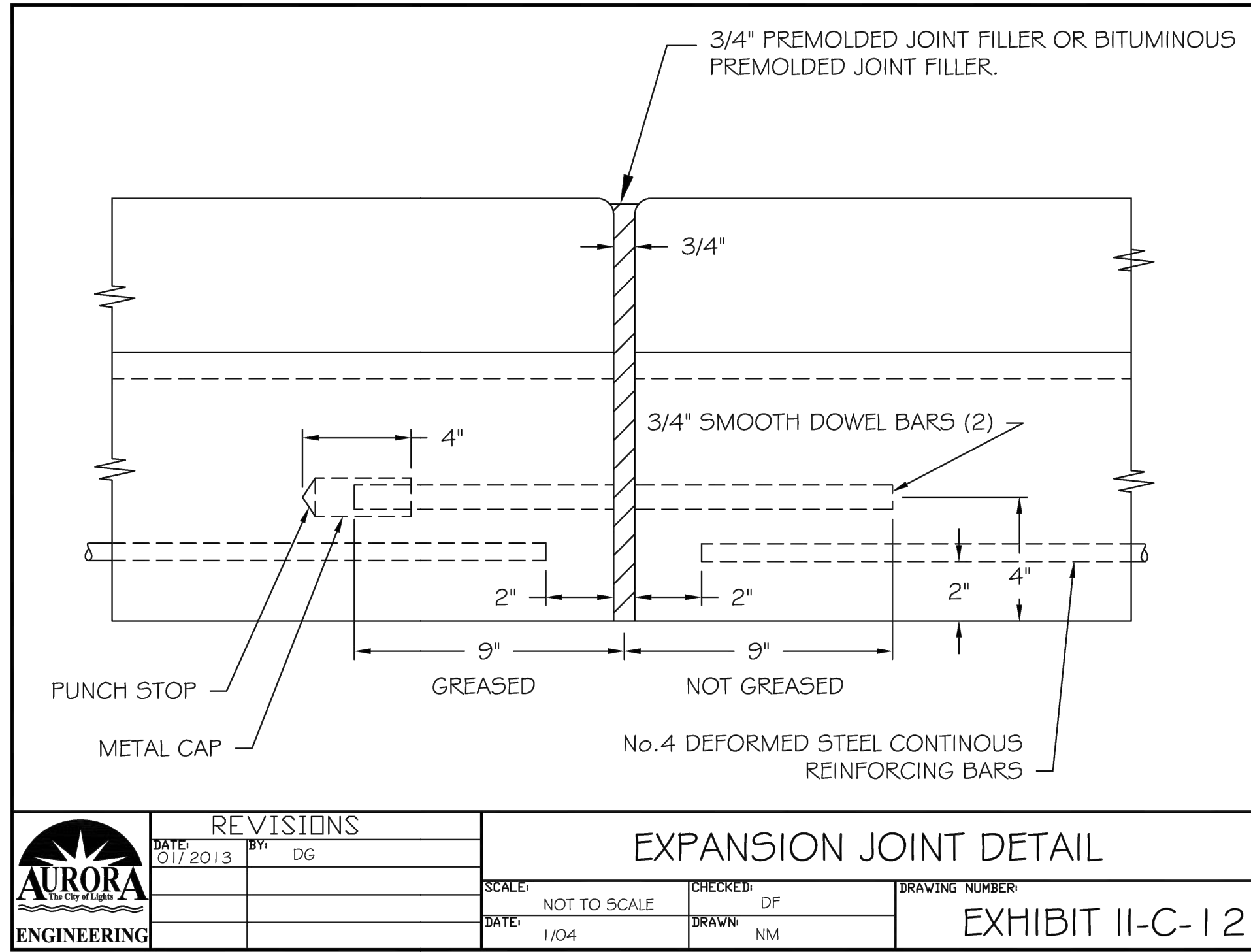
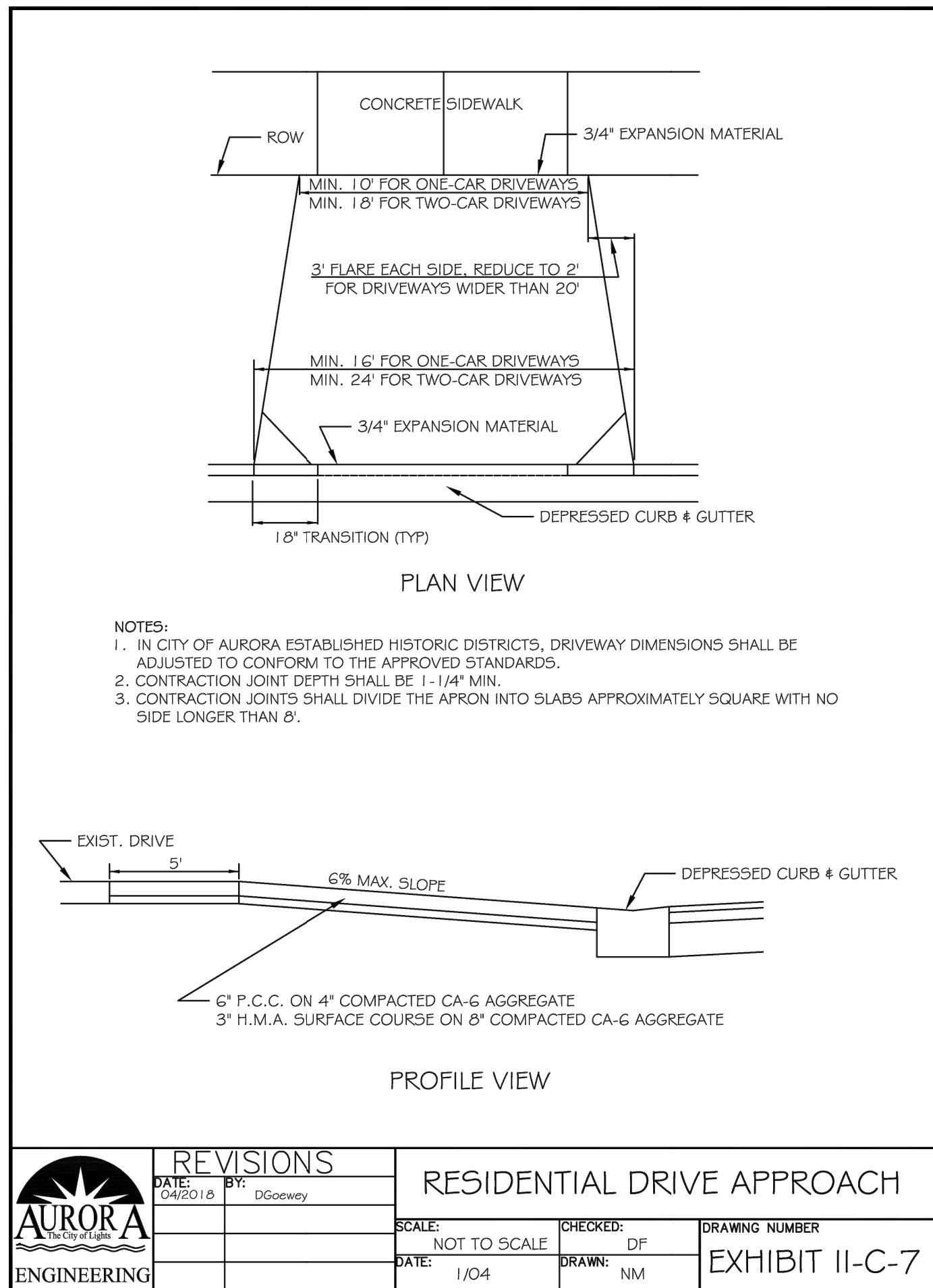
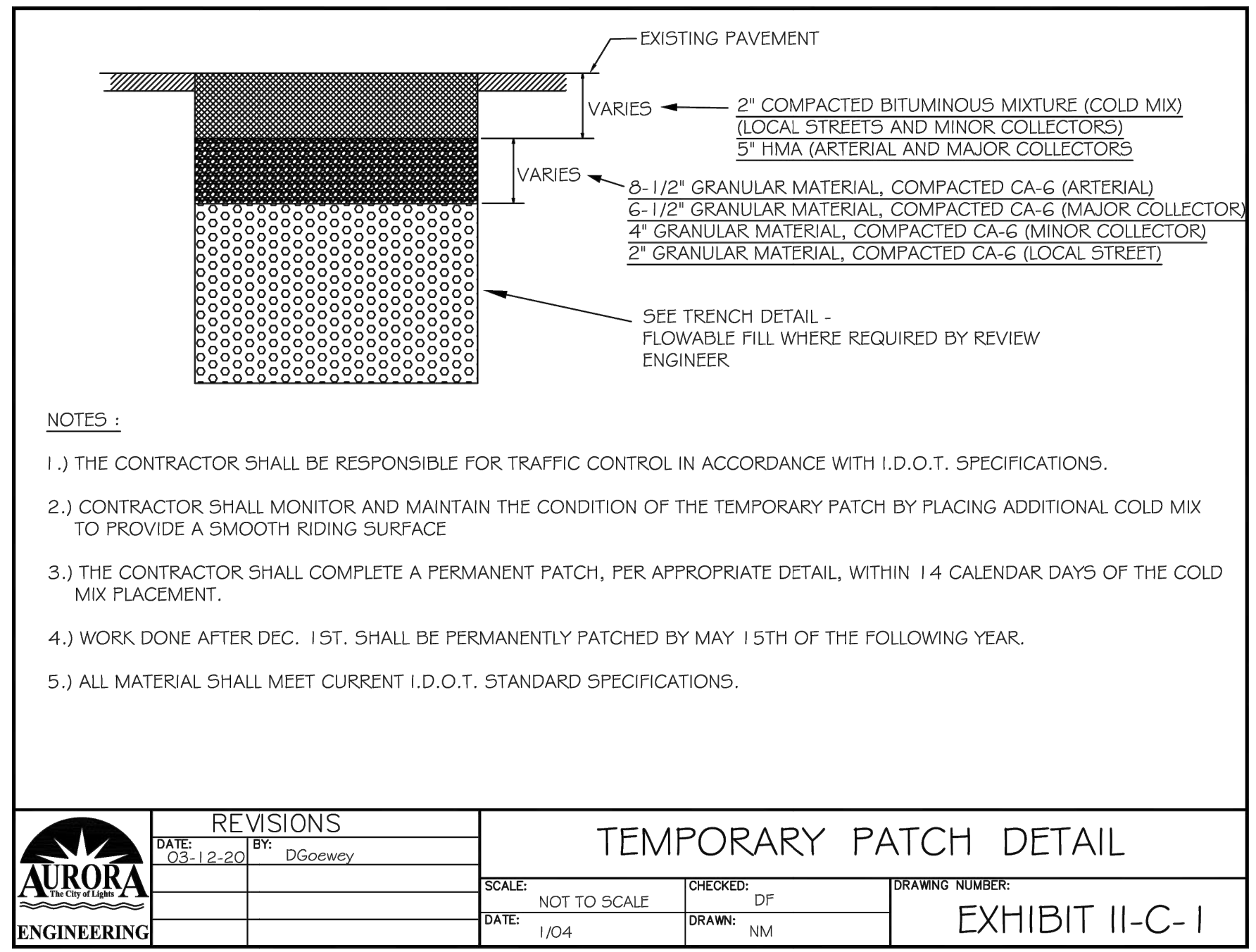
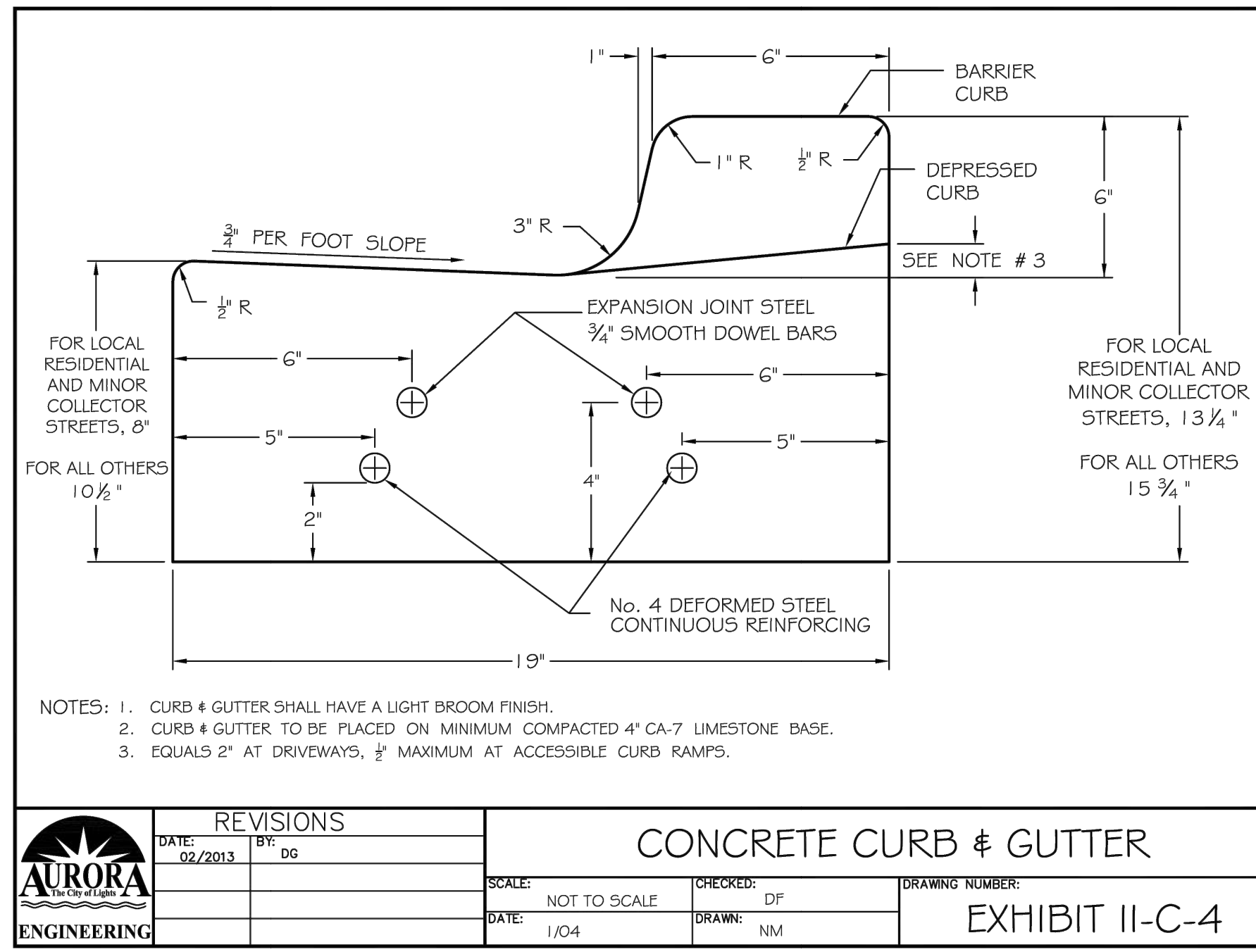
**SANITARY AND WATER SERVICE SEPARATION**

DATE:	BY:	SCALE:	CHECKED:	DRAWING NUMBER:
07/20/11	jps	NOT TO SCALE	DF	EXHIBIT III-C-2
1/04			NM	

**THRUST BLOCKING**

DATE:	BY:	SCALE:	CHECKED:	DRAWING NUMBER:
01/20/11	jps	NOT TO SCALE	DF	EXHIBIT III-C-3
1/04			NM	

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 FILEPATH: P:\ENGINEERING\CAPITAL IMPROVEMENT PROJECTS\2024 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 area 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

REFERENCE Project	_____
Designed	_____ Date _____
Checked	_____ Date _____
Approved	_____ Date _____

STANDARD DWG. NO.	IUM-561D
SHEET	1 OF 1
DATE	01-11-11

### 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 _____
Checked	_____ Date _____
Approved	_____ Date _____

STANDARD DWG. NO.	IL-620
SHEET	1 OF 2
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%	ASAP 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

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 \_\_\_\_\_

### 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 _____
Checked	_____ Date _____
Approved	_____ Date _____

STANDARD DWG. NO.	IUM-620B(W)
SHEET	1 OF 1
DATE	3-16-2012

### PAVEMENT RESTORATION FOR RESIDENTIAL STREETS AND MINOR COLLECTORS

### INLET PROTECTION - PAVED AREAS DROP-IN PROTECTION

REFERENCE Project	_____
Designed	_____ Date _____
Checked	_____ Date _____
Approved	_____ Date _____

STANDARD DWG. NO.	IUM-561D
SHEET	1 OF 1
DATE	01-11-11

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.

<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., &amp; 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>		