



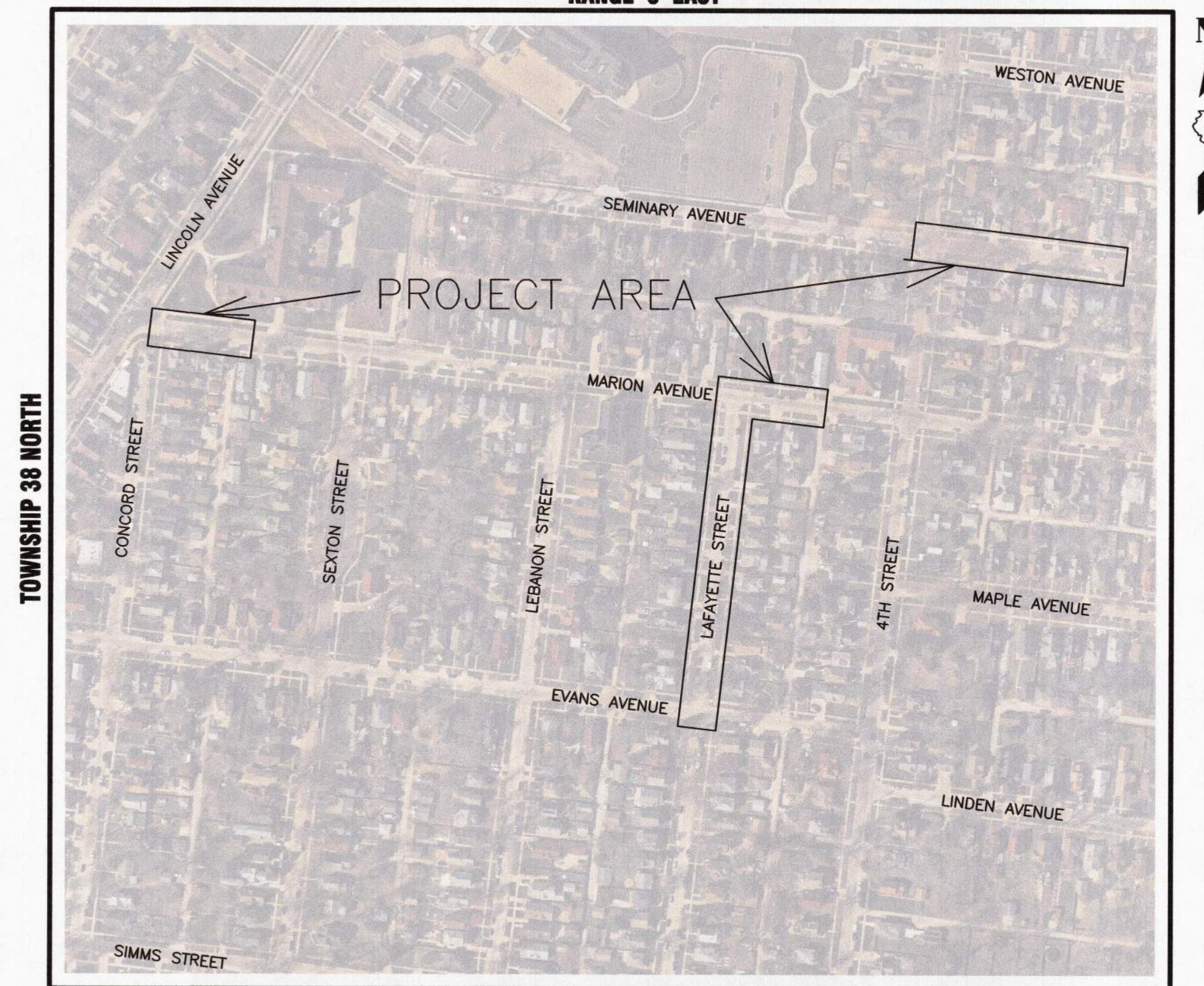
PLANS FOR THE PROPOSED

MARION AVE., LAFAYETTE ST., AND SEMINARY AVE. SEWER SEPARATION

MARCH 2024

GENERALLY LOCATED IN SEC. 27, T38N, R8E

RANGE 8 EAST



KANE COUNTY - AURORA TOWNSHIP
THIRD PRINCIPAL MERIDIAN

LOCATION MAP
NOT TO SCALE

INDEX OF SHEETS

- 1 COVER SHEET
- 2-6 PLAN AND PROFILE
- 7 - 11 STANDARD DETAILS



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

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

PRINTED BY THE AUTHORITY
OF THE CITY OF AURORA

PLANS PREPARED BY:

CITY OF AURORA

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

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

REVISIONS:

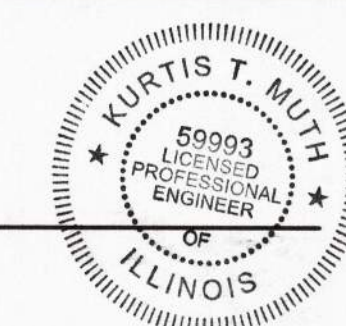
DESIGNED BY: GL	DRAWN BY: SMc, JJ	CHECKED BY: GL	APPROVED BY: KTM	HORIZ. SCALE: N/A	VERT. SCALE: N/A	DATE: MAR. 2024
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STAMP

ILLINOIS REGISTERED PROFESSIONAL

ENGINEER No.

LICENSE EXPIRES

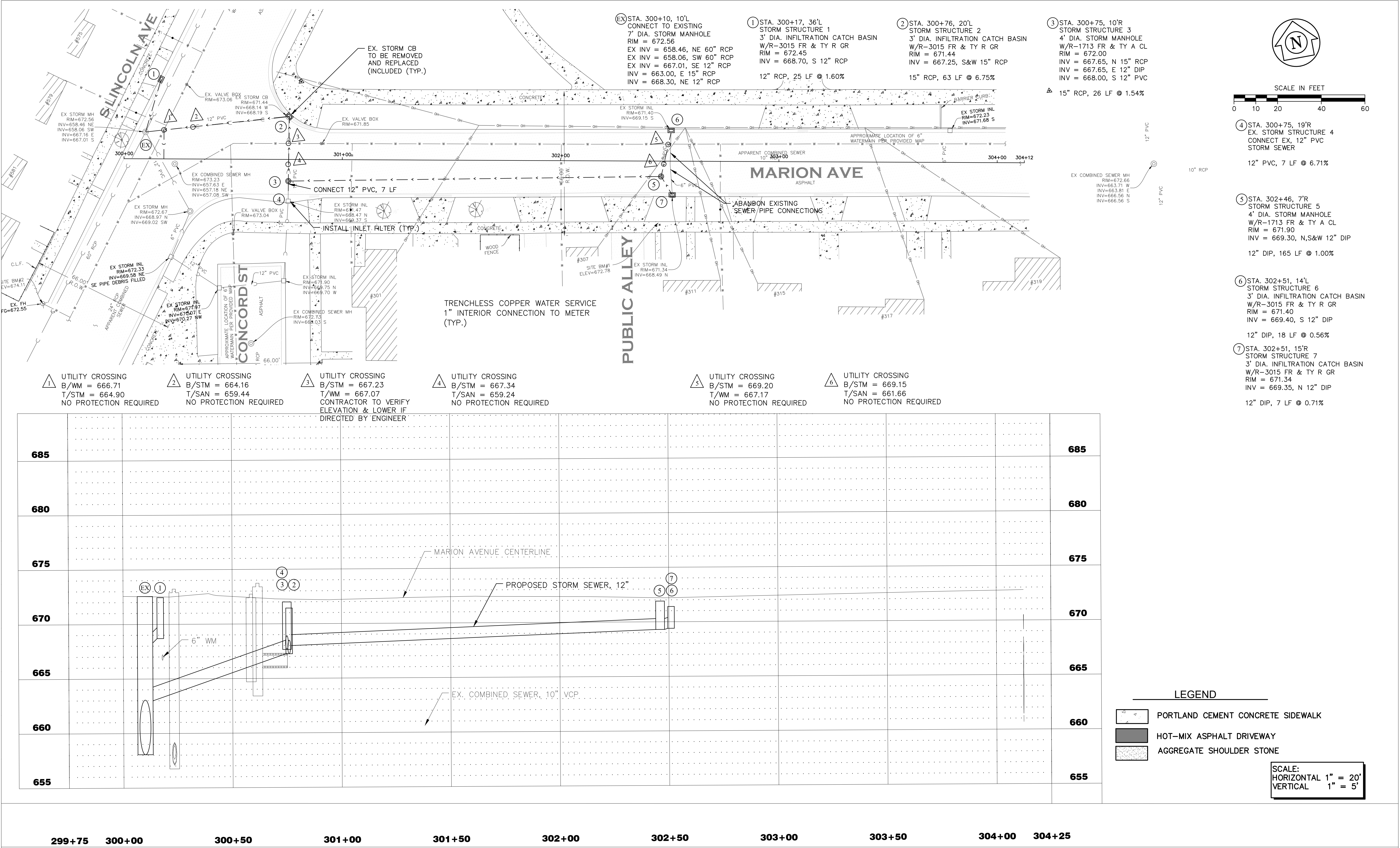


DATE

062.5993

NOVEMBER 30, 2025

PLOT DATE 3/22/2024 3:46 PM LAST SAVED BY tcong
FILEPATH \\C06551\PUBLIC_WORKS\ENGINEERING\CAPITAL IMPROVEMENT PROJECTS\2024 PROJECTS\2024 SEWER SEPARATION\MARION, LAFAYETTE & SEMINARY\CD\MARION, LAFAYETTE, AND SEMINARY SEWER SEPARATION.DWG



- 1 UTILITY CROSSING
B/W/M = 666.71
T/STM = 664.90
NO PROTECTION REQUIRED
- 2 UTILITY CROSSING
B/STM = 664.16
T/SAN = 659.44
NO PROTECTION REQUIRED
- 3 UTILITY CROSSING
B/STM = 667.23
T/W/M = 667.07
CONTRACTOR TO VERIFY
ELEVATION & LOWER IF
DIRECTED BY ENGINEER
- 4 UTILITY CROSSING
B/STM = 667.34
T/SAN = 659.24
NO PROTECTION REQUIRED
- 5 UTILITY CROSSING
B/STM = 669.20
T/W/M = 667.17
NO PROTECTION REQUIRED
- 6 UTILITY CROSSING
B/STM = 669.15
T/SAN = 661.66
NO PROTECTION REQUIRED

- 4 STA. 300+75, 19'R
EX. STORM STRUCTURE 4
CONNECT EX, 12" PVC
STORM SEWER
12" PVC, 7 LF @ 6.71%
- 5 STA. 302+46, 7'R
STORM STRUCTURE 5
4' DIA. STORM MANHOLE
W/R-1713 FR & TY A CL
RIM = 671.90
INV = 669.30, N,S&W 12" DIP
12" DIP, 165 LF @ 1.00%
- 6 STA. 302+51, 14'L
STORM STRUCTURE 6
3' DIA. INFILTRATION CATCH BASIN
W/R-3015 FR & TY R GR
RIM = 671.40
INV = 669.40, S 12" DIP
12" DIP, 18 LF @ 0.56%
- 7 STA. 302+51, 15'R
STORM STRUCTURE 7
3' DIA. INFILTRATION CATCH BASIN
W/R-3015 FR & TY R GR
RIM = 671.34
INV = 669.35, N 12" DIP
12" DIP, 7 LF @ 0.71%

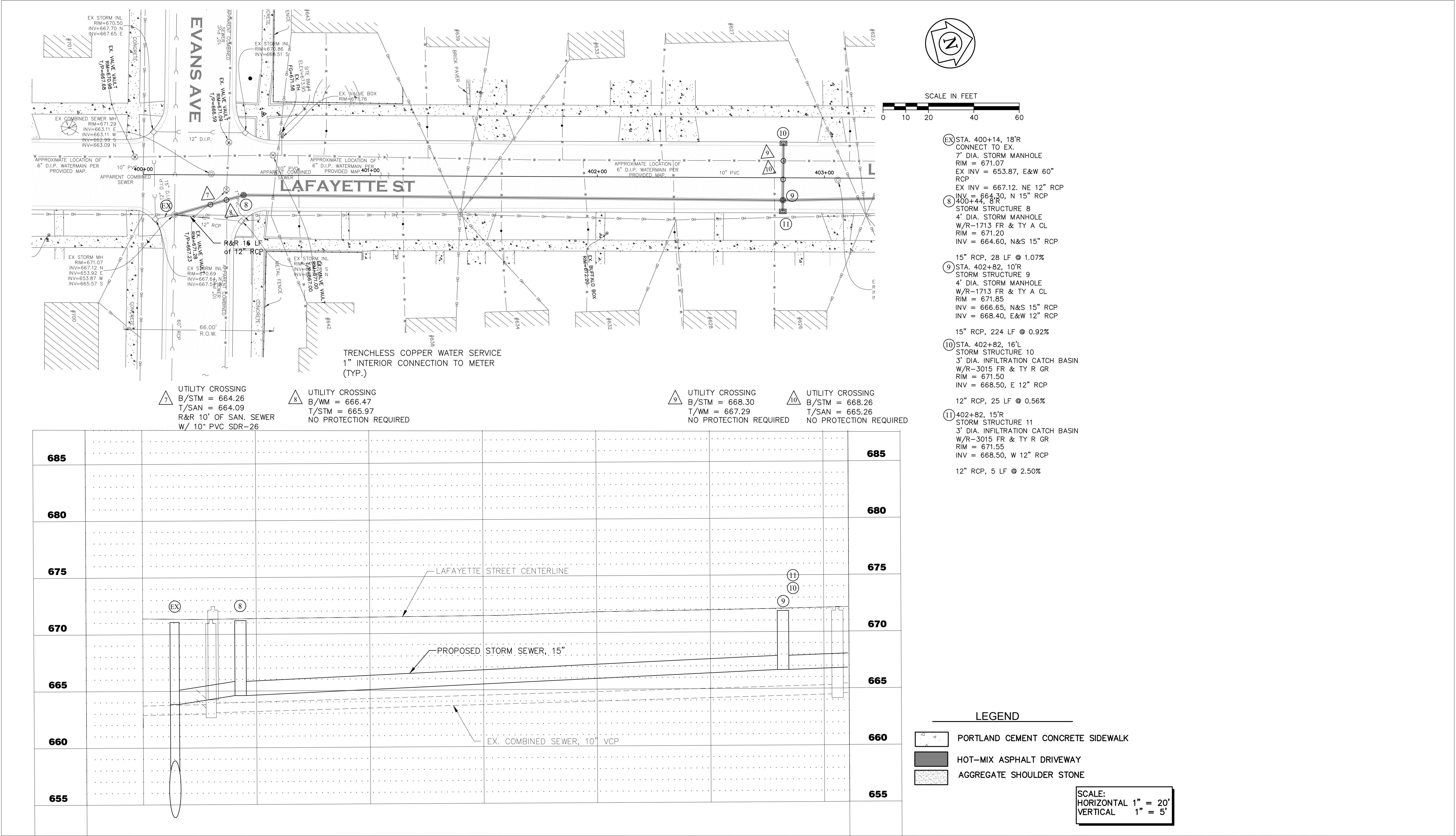
LEGEND

- PORTLAND CEMENT CONCRETE SIDEWALK
- HOT-MIX ASPHALT DRIVEWAY
- AGGREGATE SHOULDER STONE

SCALE:
HORIZONTAL 1" = 20'
VERTICAL 1" = 5'

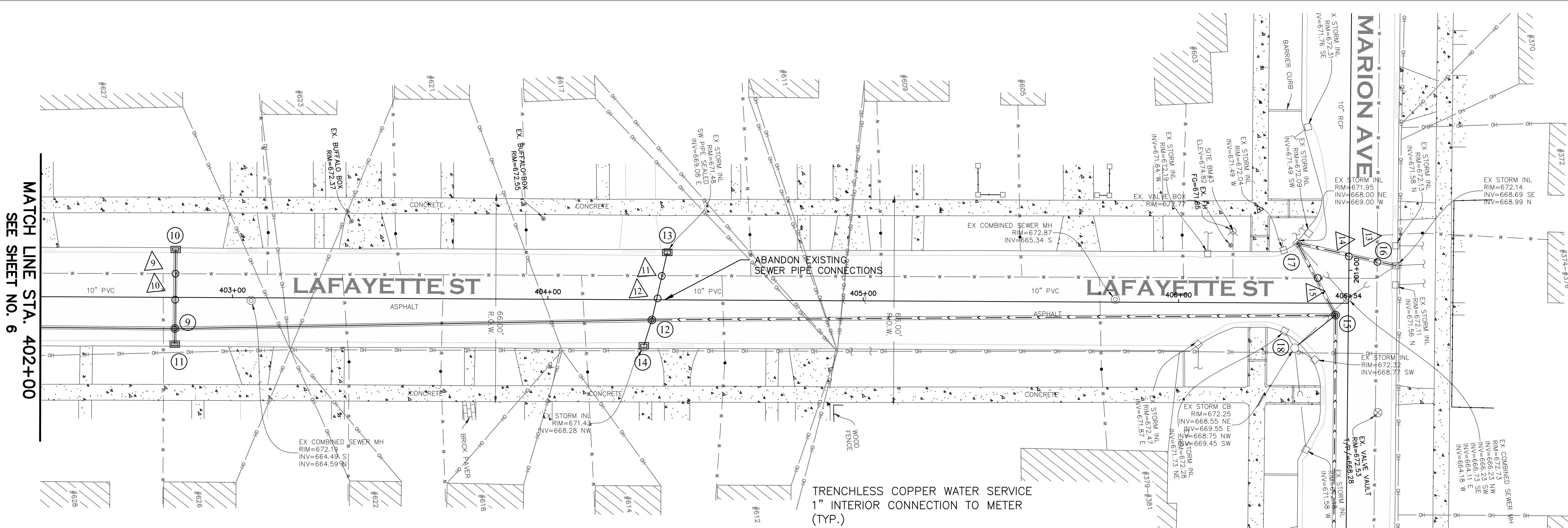
	CITY OF AURORA ENGINEERING DIVISION 77 SOUTH BROADWAY AURORA, ILLINOIS 60505	REVISIONS:				PROJECT	MARION AVE., LAFAYETTE ST., AND SEMINARY AVE. SEWER SEPARATION	SHEET NUMBER		
			DESIGNED BY:	GL	CHECKED BY:	GL		SCALE:	1" = 20'	2
			DRAWN BY:	SMc, JJ	APPROVED BY:	KTM		DATE:	2024	TOTAL SHEETS
						SHEET TITLE	PLAN AND PROFILE	11		

PLOT DATE 3/22/2024 3:46 PM LAST SAVED BY Ictong
FILEPATH \\C04551\PUBLIC\WORKS\ENGINEERING\CAPITAL IMPROVEMENT PROJECTS\2024 SEWER SEPARATION\MARION, LAFAYETTE & SEMINARY\CAD\MARION, LAFAYETTE, AND SEMINARY SEWER SEPARATION.DWG



399+75 400+00 400+50 401+00 401+50 402+00 402+50 403+00									
	CITY OF AURORA ENGINEERING DIVISION 77 SOUTH BROADWAY AURORA, ILLINOIS 60505	REVISIONS:					PROJECT	MARION AVE., LAFAYETTE ST., AND SEMINARY AVE. SEWER SEPARATION	SHEET NUMBER
			DESIGNED BY: GL		CHECKED BY: GL	SCALE: 1" = 20'	SHEET TITLE		3
			DRAWN BY: SMC, JJ		APPROVED BY: KTM	DATE: 2024		PLAN AND PROFILE	TOTAL SHEETS
									11

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FILEPATH \\C04551\\PUBLIC_WORKS\\ENGINEERING\\CAPITAL IMPROVEMENT PROJECTS\\2024 PROJECTS\\2024 SEWER SEPARATION\\MARION, LAFAYETTE & SEMINARY\\CAD\\MARION, LAFAYETTE, AND SEMINARY SEWER SEPARATION.DWG



- 9 UTILITY CROSSING
B/STM = 668.30
T/WM = 667.29
NO PROTECTION REQUIRED

10 UTILITY CROSSING
B/STM = 668.26
T/SAN = 665.26
NO PROTECTION REQUIRED
- 11 UTILITY CROSSING
B/STM = 668.20
T/WM = 667.30
NO PROTECTION REQUIRED

12 UTILITY CROSSING
B/STM = 668.16
T/SAN = 665.86
NO PROTECTION REQUIRED
- 13 UTILITY CROSSING
B/STM = 669.00
T/WM = 668.20
NO PROTECTION REQUIRED

14 UTILITY CROSSING
B/STM = 668.95
T/SAN = 664.24
NO PROTECTION REQUIRED
- 15 UTILITY CROSSING
B/STM = 668.84
T/WM = 668.00
NO PROTECTION REQUIRED

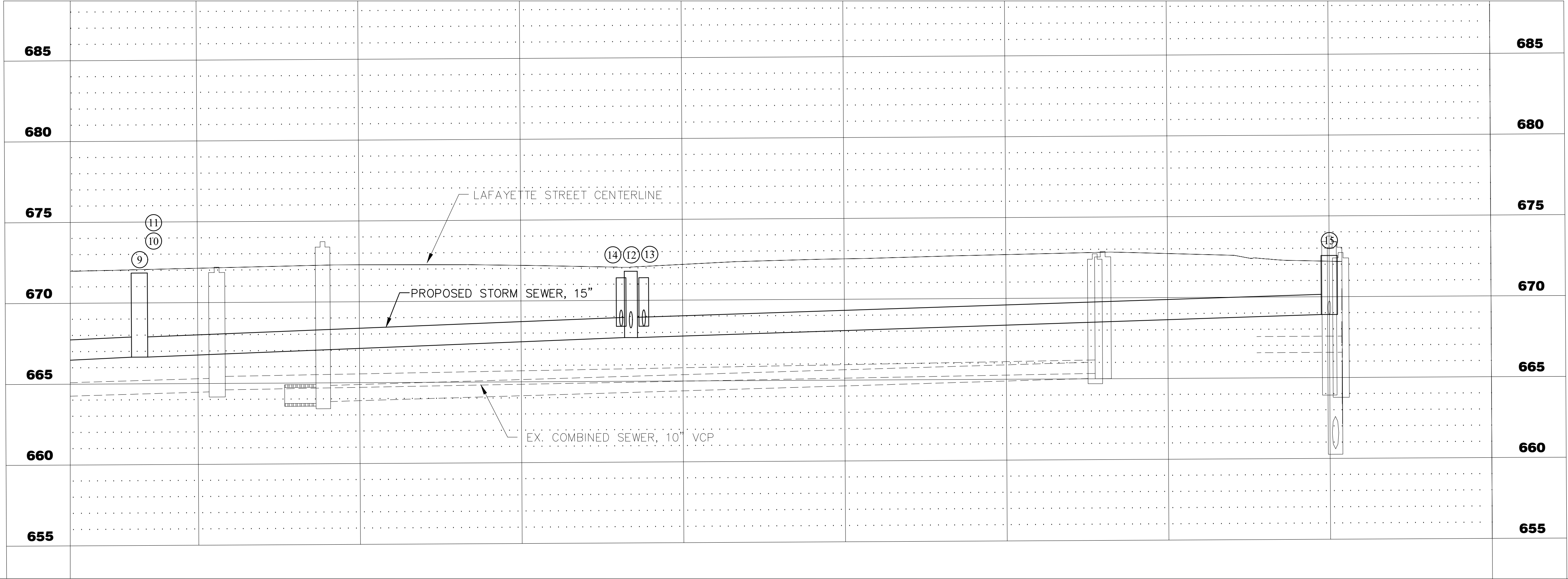
- 12 STA. 404+34, 4'R
STORM STRUCTURE 12
4' DIA. STORM MANHOLE
W/R-1713 FR & TY A CL
RIM = 671.80
INV = 667.70, N&S 15" RCP
INV = 668.30, E&W 12" RCP

15" RCP, 152 LF @ 0.69%
- 13 STA. 404+38, 15'L
STORM STRUCTURE 13
3' DIA. INFILTRATION CATCH BASIN
W/R-3015 FR & TY R GR
RIM = 671.40
INV = 668.50, E 12" RCP

12" RCP, 20 LF @ 0.50%
- 14 STA. 404+31, 15'R
STORM STRUCTURE 14
3' DIA. INFILTRATION CATCH BASIN
W/R-3015 FR & TY R GR
RIM = 671.40
INV = 668.40, W 12" RCP

12" RCP, 4 LF @ 2.50%
- 15 STA. 405+50, 4'R
STORM STRUCTURE 15
5' DIA. STORM MANHOLE
W/R-1713 FR & TY A CL
RIM = 672.55
INV = 668.90, S 15" RCP
INV = 668.90, SE&SW 10" PVC

15" RCP, 216 LF @ 0.56%

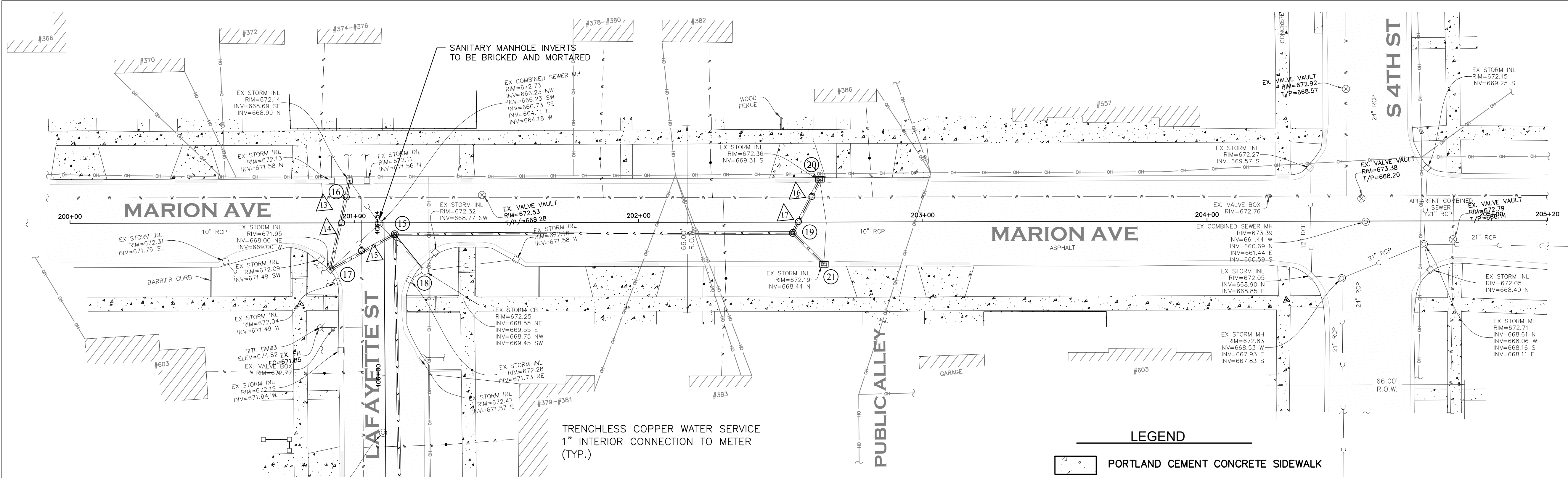


LEGEND

- PORTLAND CEMENT CONCRETE SIDEWALK
- HOT-MIX ASPHALT DRIVEWAY
- AGGREGATE SHOULDER STONE

SCALE:
HORIZONTAL 1" = 20'
VERTICAL 1" = 5'

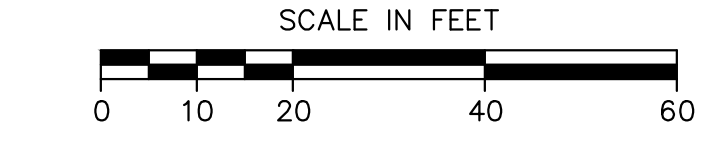
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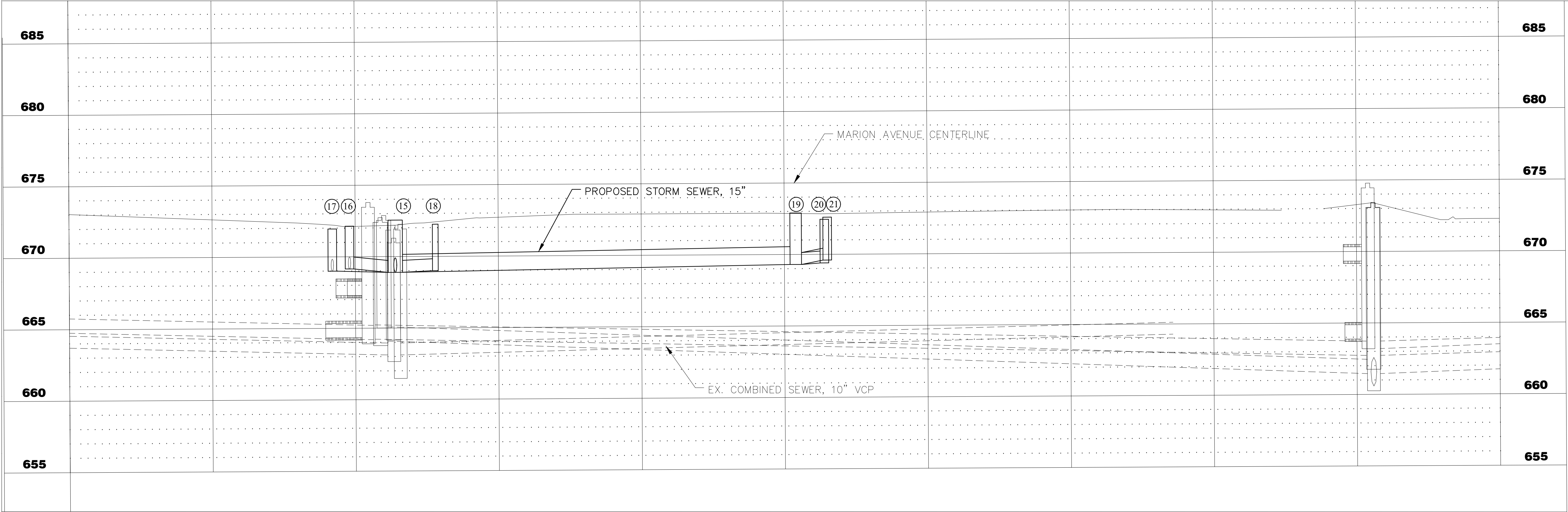
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B/STM = 669.00
T/WM = 668.20
NO PROTECTION REQUIRED
- △14 UTILITY CROSSING
B/STM = 668.95
T/SAN = 664.24
NO PROTECTION REQUIRED
- △15 UTILITY CROSSING
B/STM = 668.84
T/WM = 668.00
NO PROTECTION REQUIRED
- △16 UTILITY CROSSING
B/STM = 669.60
T/WM = 668.25
NO PROTECTION REQUIRED
- △17 UTILITY CROSSING
B/STM = 669.43
T/SAN = 663.88
NO PROTECTION REQUIRED

SCALE:
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VERTICAL 1" = 5'

- LEGEND
- PORTLAND CEMENT CONCRETE SIDEWALK
 - HOT-MIX ASPHALT DRIVEWAY
 - AGGREGATE SHOULDER STONE

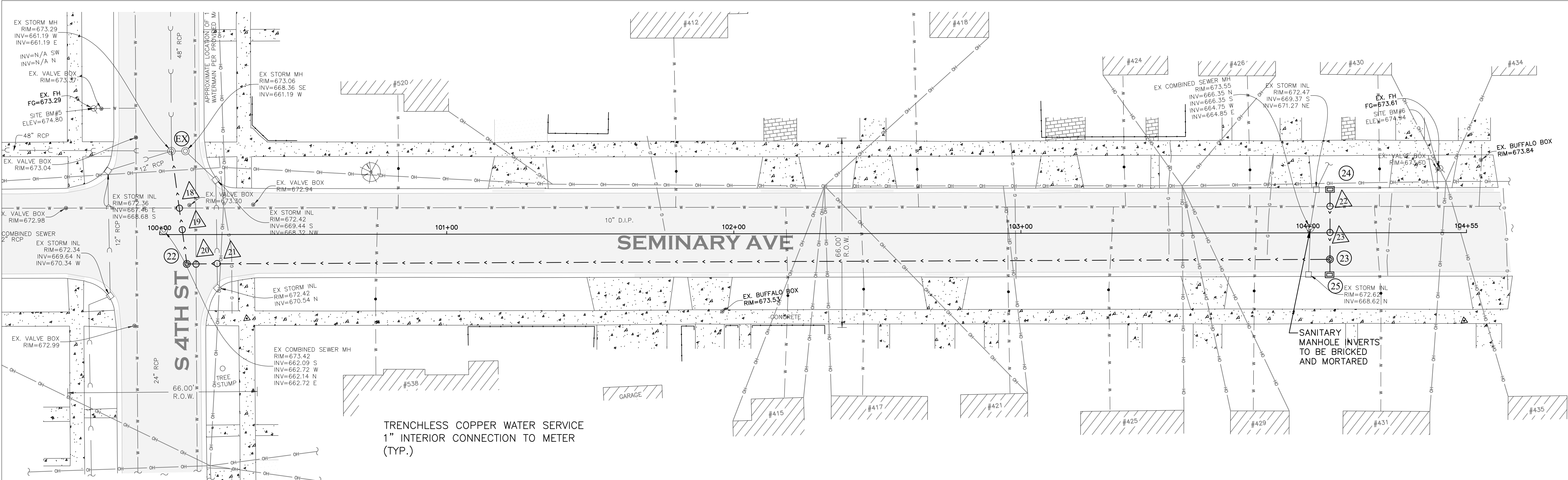


- 15 STA. 201+14, 4'R
STORM STRUCTURE 15
5' DIA. STORM MANHOLE
W/R-1713 FR & TY A CL
RIM = 672.55
INV = 668.90, S 15" RCP
INV = 668.90, SE&SW 10" PVC
- * 15" RCP, 216 LF @ 0.56%
- 16 STA. 200+98, 15'L
EX. 3' DIA. INFILTRATION CATCH BASIN
RIM = 672.14
INV = 669.15, S 10" PVC
- 10" PVC, 29 LF @ 0.52%
- * 17 STA. 200+92, 16'R
EX. 3' DIA. INFILTRATION CATCH BASIN
RIM = 671.95
INV = 669.00, N&NE 10" PVC
- 10" PVC, 22 LF @ 0.45%
- * 18 STA. 201+28, 11'R
EX. 2' DIA. INFILTRATION CATCH BASIN
RIM = 672.25
INV = 669.00, NW 10" PVC
- 10" PVC, 8 LF @ 1.25%
- 19 STA. 202+54, 4'R
STORM STRUCTURE 19
4' DIA. STORM MANHOLE
W/R-1713 FR & TY A CL
RIM = 672.75
INV = 669.60, NE,SE&W 10" DIP
- 12" DIP, 140 LF @ 0.50%
- 20 STA. 202+64, 15'L
STORM STRUCTURE 20
3' DIA. INFILTRATION CATCH BASIN
W/R-3015 FR & TY R GR
RIM = 672.36
INV = 669.86, SW 12" DIP
- 12" DIP, 17 LF @ 1.52%
- 21 STA. 202+65, 15'R
STORM STRUCTURE 21
3' DIA. INFILTRATION CATCH BASIN
W/R-3015 FR & TY R GR
RIM = 672.20
INV = 669.70, NW 12" DIP
- 12" DIP, 10 LF @ 1.00%
- * = MINOR STRUCTURE
MODIFICATION/CONNECTION



200+00 200+50 201+00 201+50 202+00 202+50 203+00 203+50 204+00 204+50 205+00

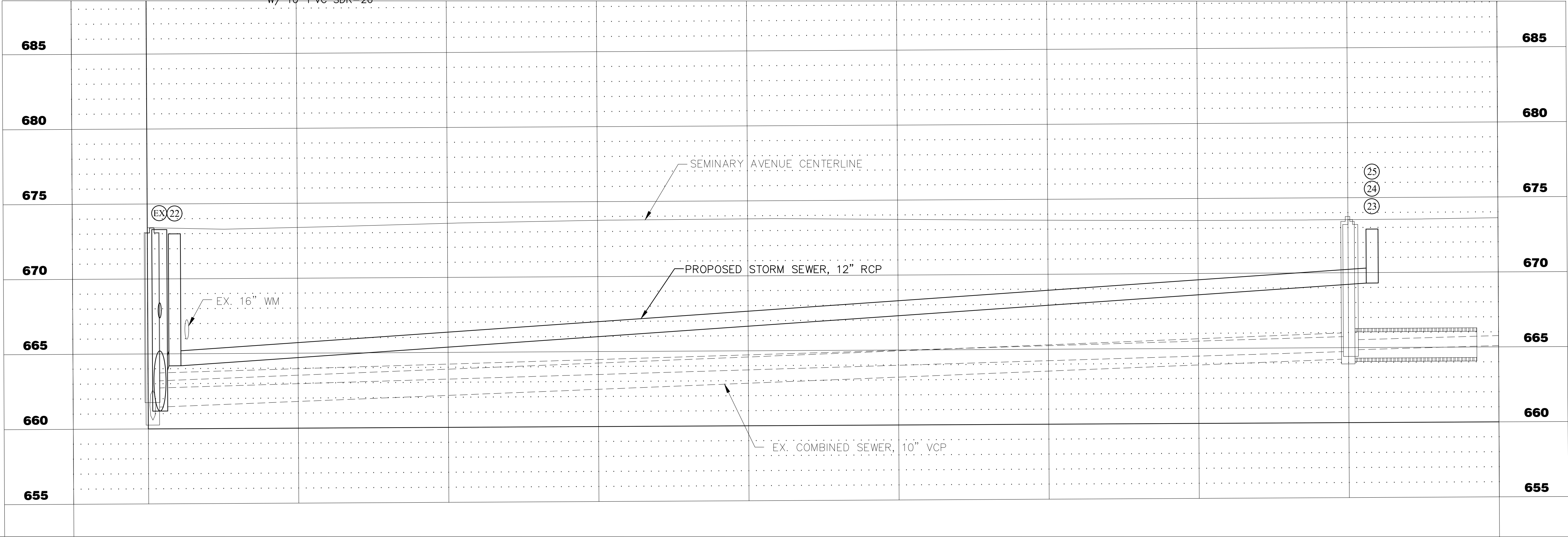
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- 18 UTILITY CROSSING
B/WM = 667.34
T/STM = 665.22
NO PROTECTION REQUIRED
- 19 UTILITY CROSSING
B/STM = 663.96
T/SAN = 663.73
R&R 10' OF SAN. SEWER
W/ 10" PVC SDR-26
- 20 UTILITY CROSSING
B/WM = 665.97
T/STM = 665.37
NO PROTECTION REQUIRED
- 21 UTILITY CROSSING
B/STM = 670.13
T/STM = 665.40
NO PROTECTION REQUIRED

- 22 UTILITY CROSSING
B/STM = 669.21
T/WM = 667.00
NO PROTECTION REQUIRED
- 23 UTILITY CROSSING
B/STM = 669.18
T/SAN = 665.80
NO PROTECTION REQUIRED

- EX STA. 104+04, 29'L
CONNECT TO EX.
5' DIA. STORM MANHOLE
RIM = 673.29
EX INV = 661.19, N,E&W 48" RCP
EX INV = 667.40 SW 12" RCP
INV = 663.90, S 12" RCP
- 22 STA. 100+09, 10'R
STORM STRUCTURE 22
4' DIA. STORM MANHOLE
W/R-1713 FR & TY A CL
RIM = 673.00
INV = 664.20, N,E 12" RCP
- 12" RCP, 40 LF @ 0.86%
- 23 STA. 104+08, 9'R
STORM STRUCTURE 23
4' DIA. STORM MANHOLE
W/R-1713 FR & TY A CL
RIM = 672.90
INV = 669.30 N&W 12" RCP
INV = 669.50 S 12" RCP
- 12" RCP, 392 LF @ 1.30%
- 24 STA. 104+08, 15'L
STORM STRUCTURE 24
3' DIA. INFILTRATION CATCH BASIN
W/R-3015 FR & TY R GR
RIM = 672.45
INV = 669.40, S 12" RCP
- 12" RCP, 21 LF @ 0.48%
- 25 STA. 104+08, 15'R
STORM STRUCTURE 25
3' DIA. INFILTRATION CATCH BASIN
W/R-3015 FR & TY R GR
RIM = 672.60
INV = 669.60, N 12" RCP
- 12" RCP, 1.5 LF @ 6.66%



- LEGEND
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- HOT-MIX ASPHALT DRIVEWAY
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SCALE:
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VERTICAL 1" = 5'



CITY OF AURORA
ENGINEERING DIVISION
77 SOUTH BROADWAY
AURORA, ILLINOIS 60505

REVISIONS:

DESIGNED BY:	GL	CHECKED BY:	GL	SCALE:	1" = 20'
DRAWN BY:	SMC, JJ	APPROVED BY:	KTM	DATE:	2024

PROJECT

MARION AVE., LAFAYETTE ST., AND SEMINARY AVE. SEWER SEPARATION

SHEET NUMBER

6

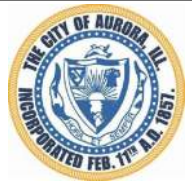
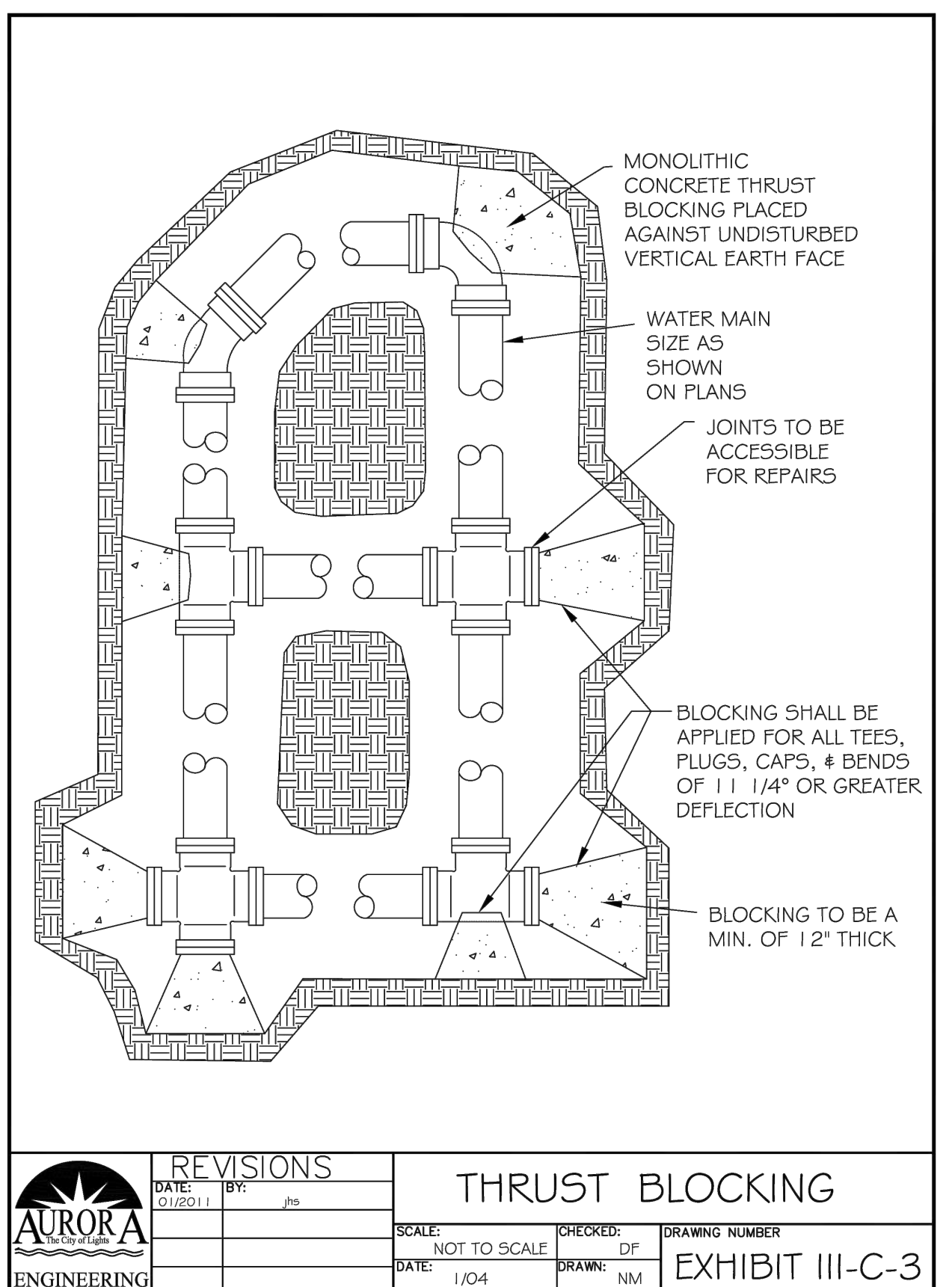
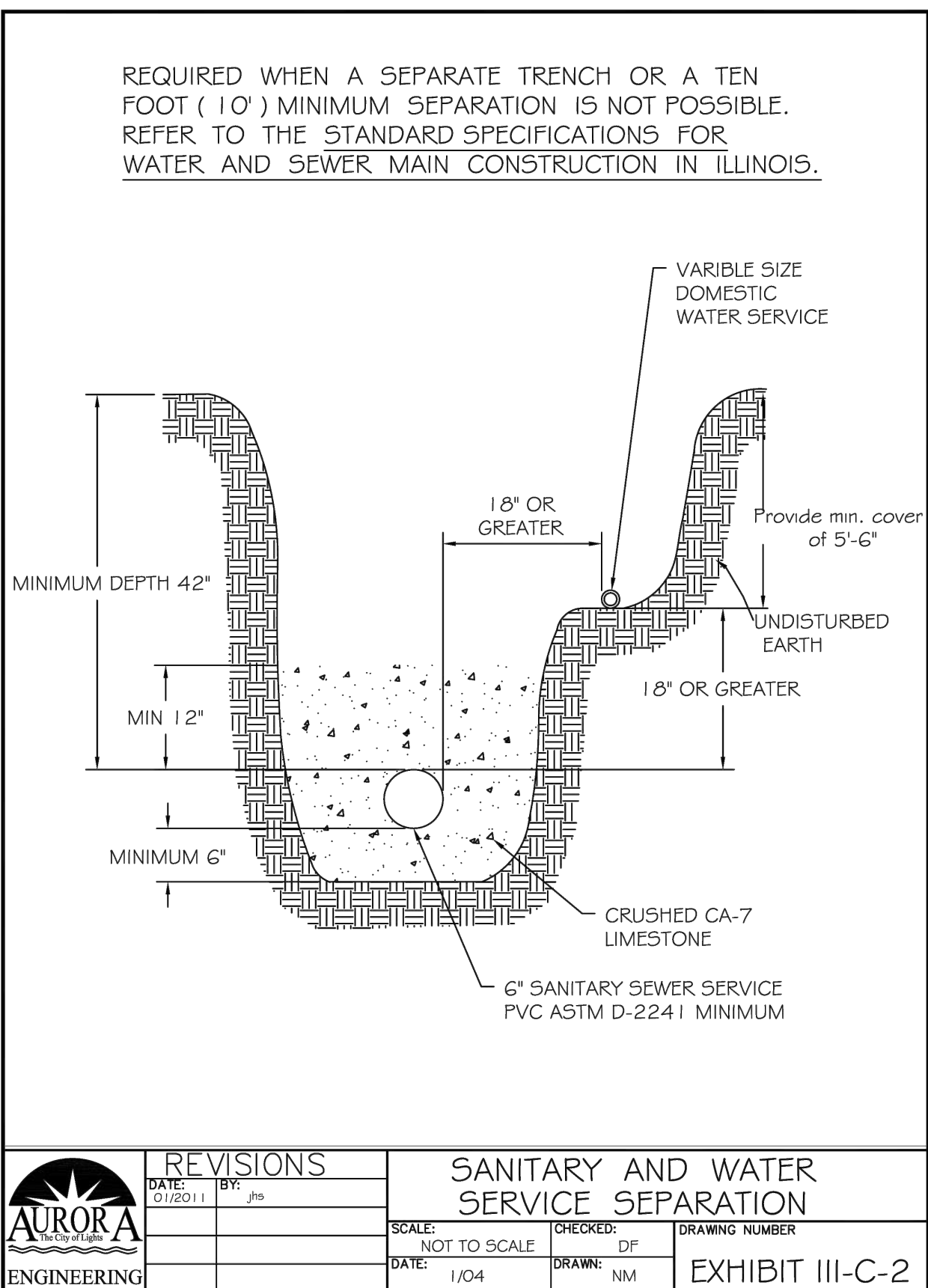
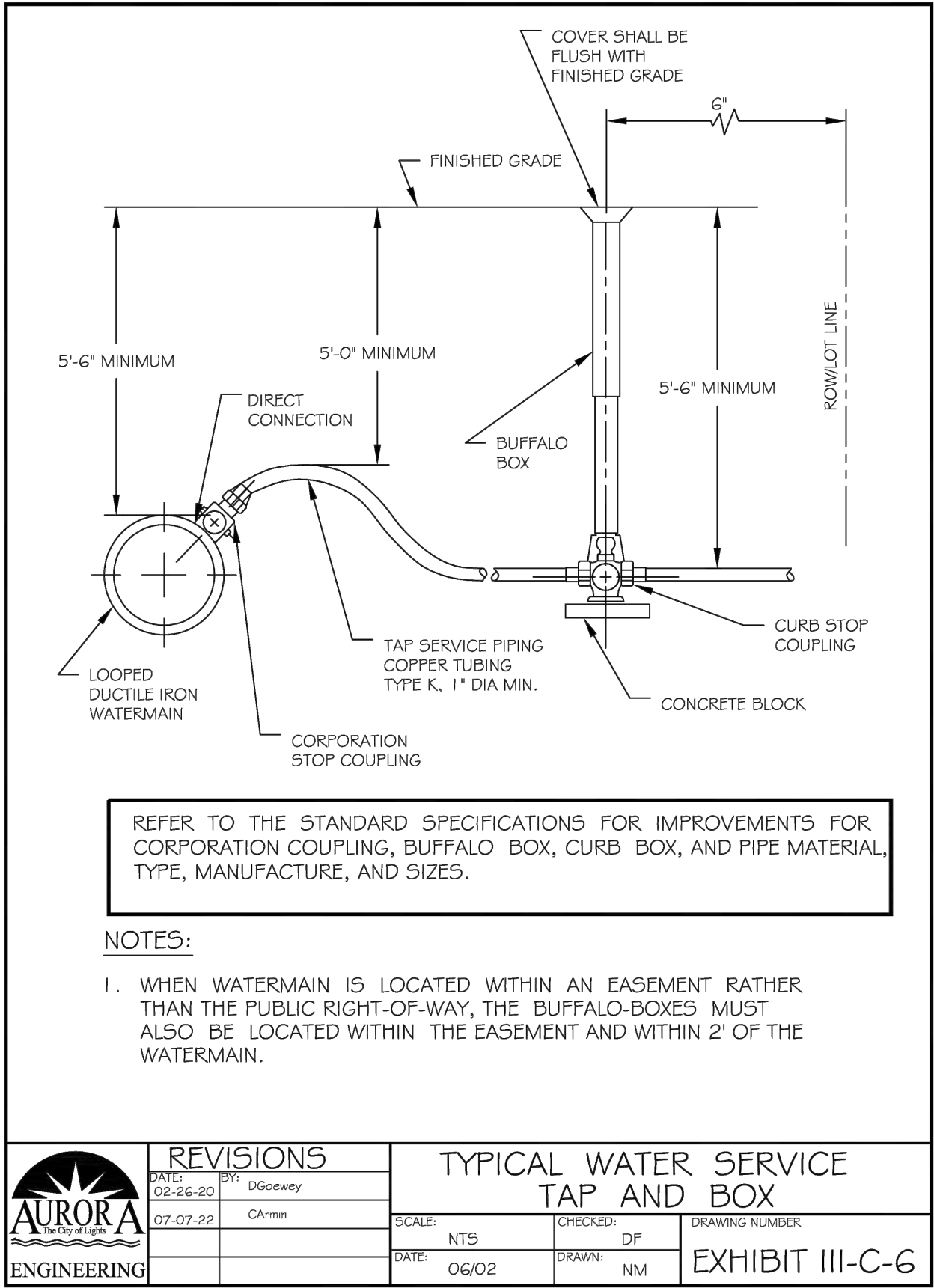
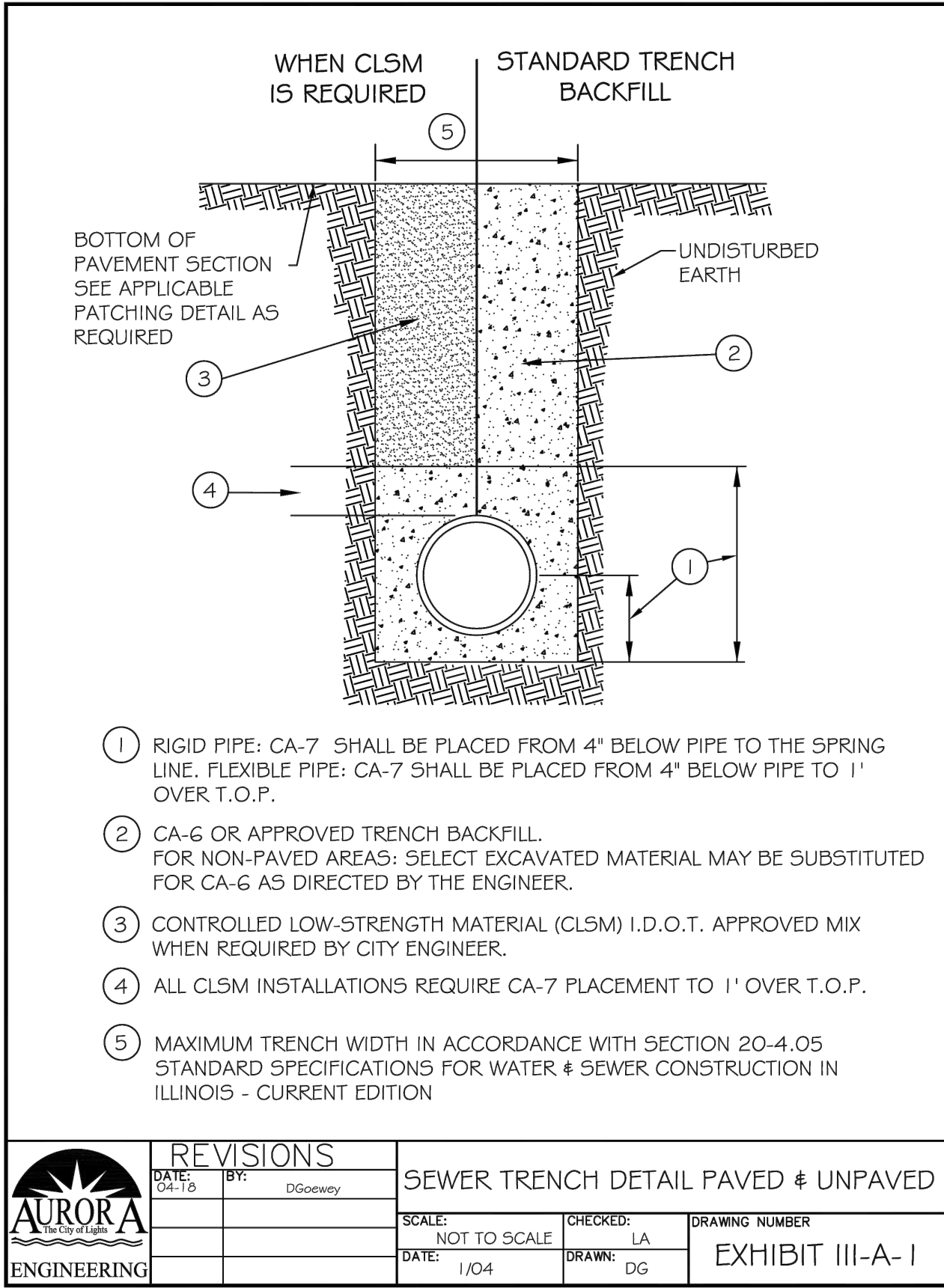
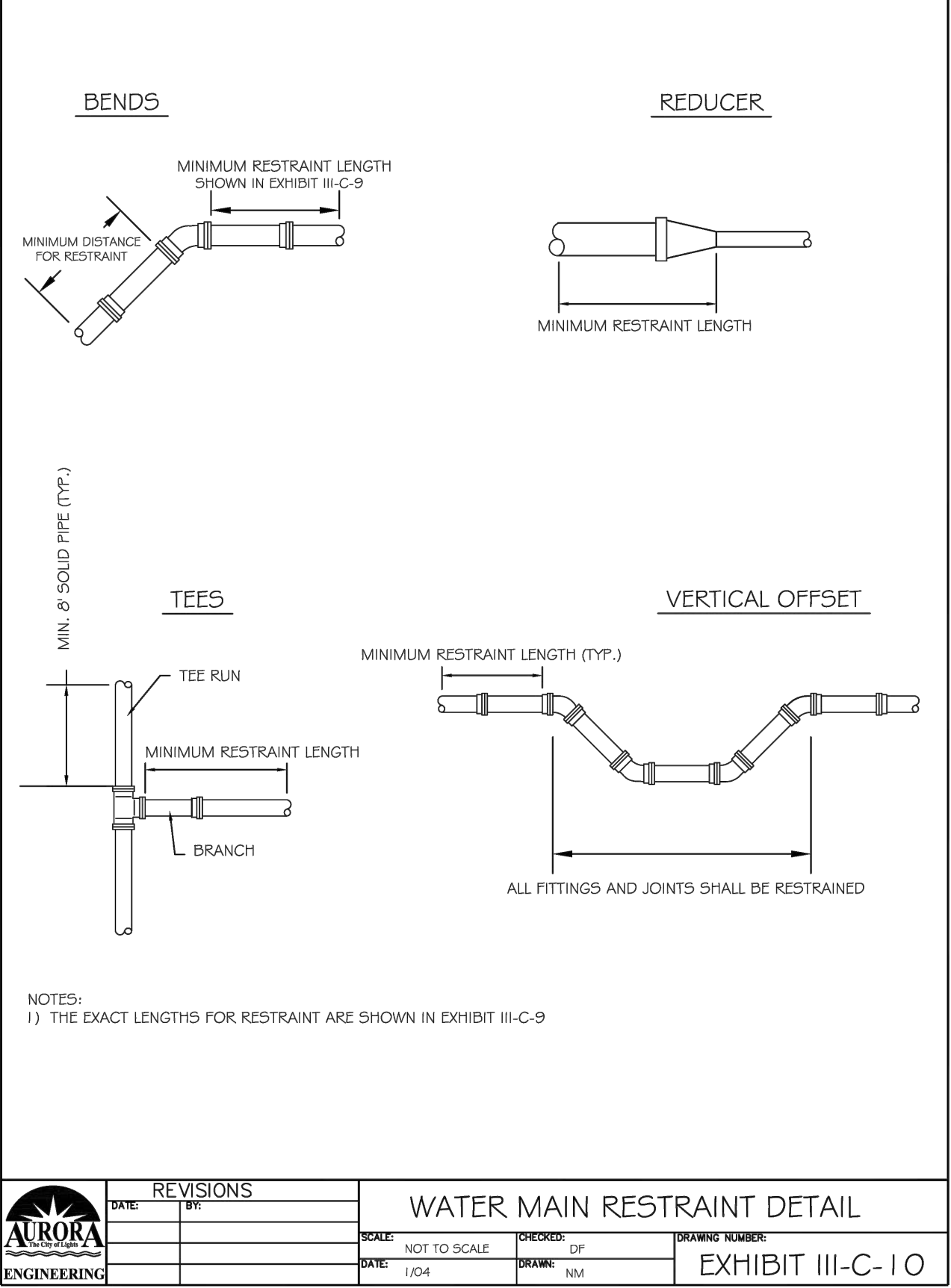
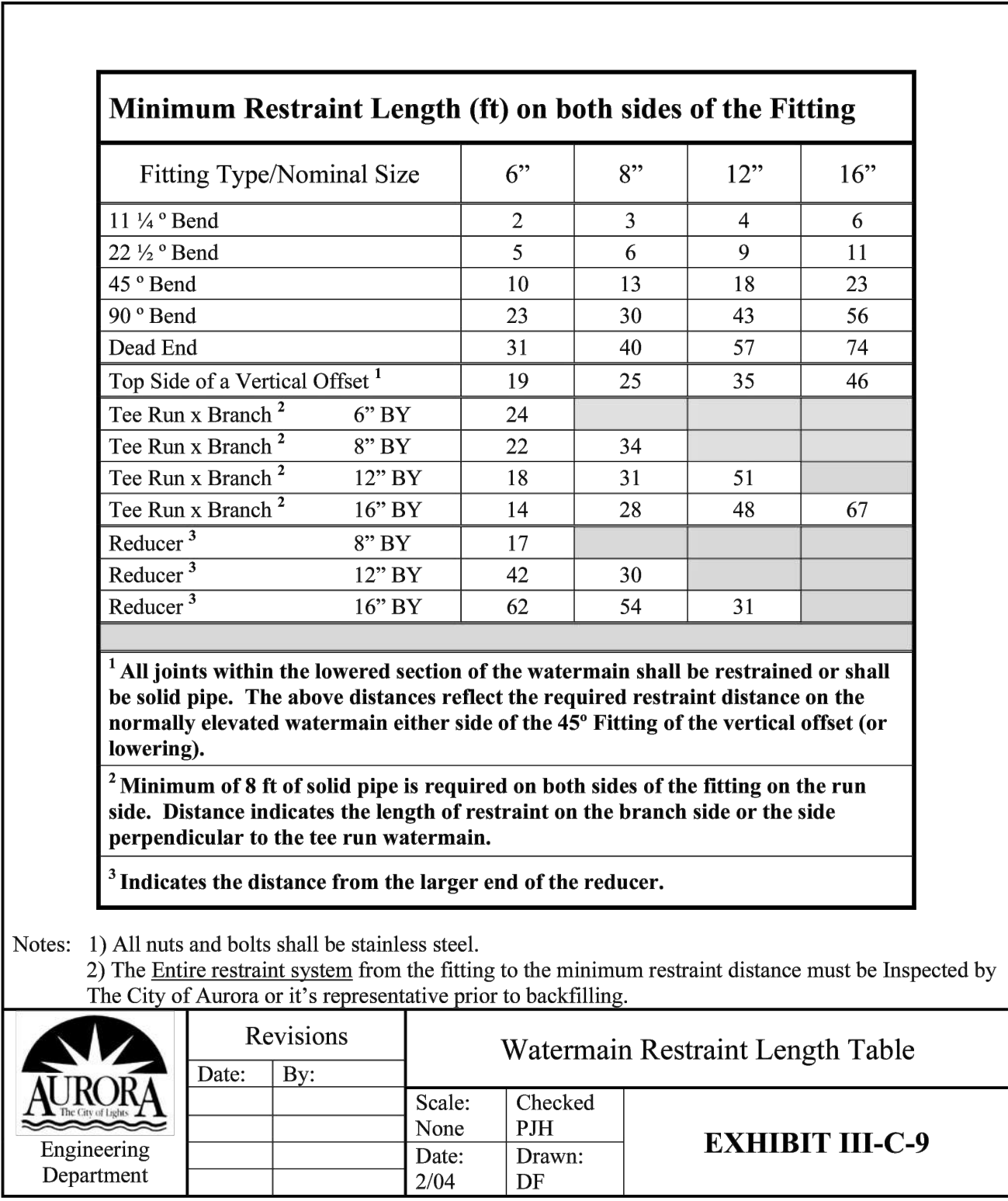
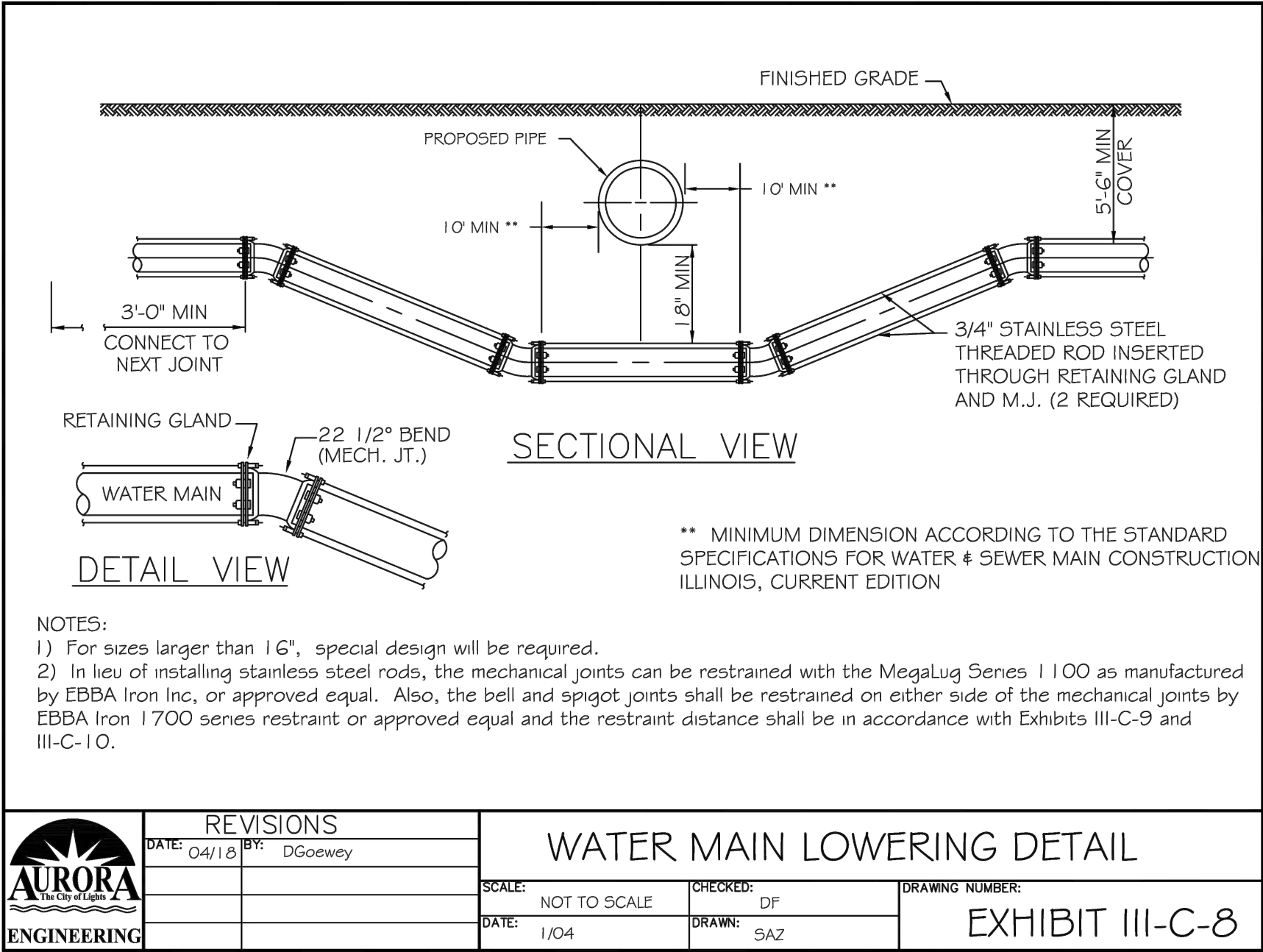
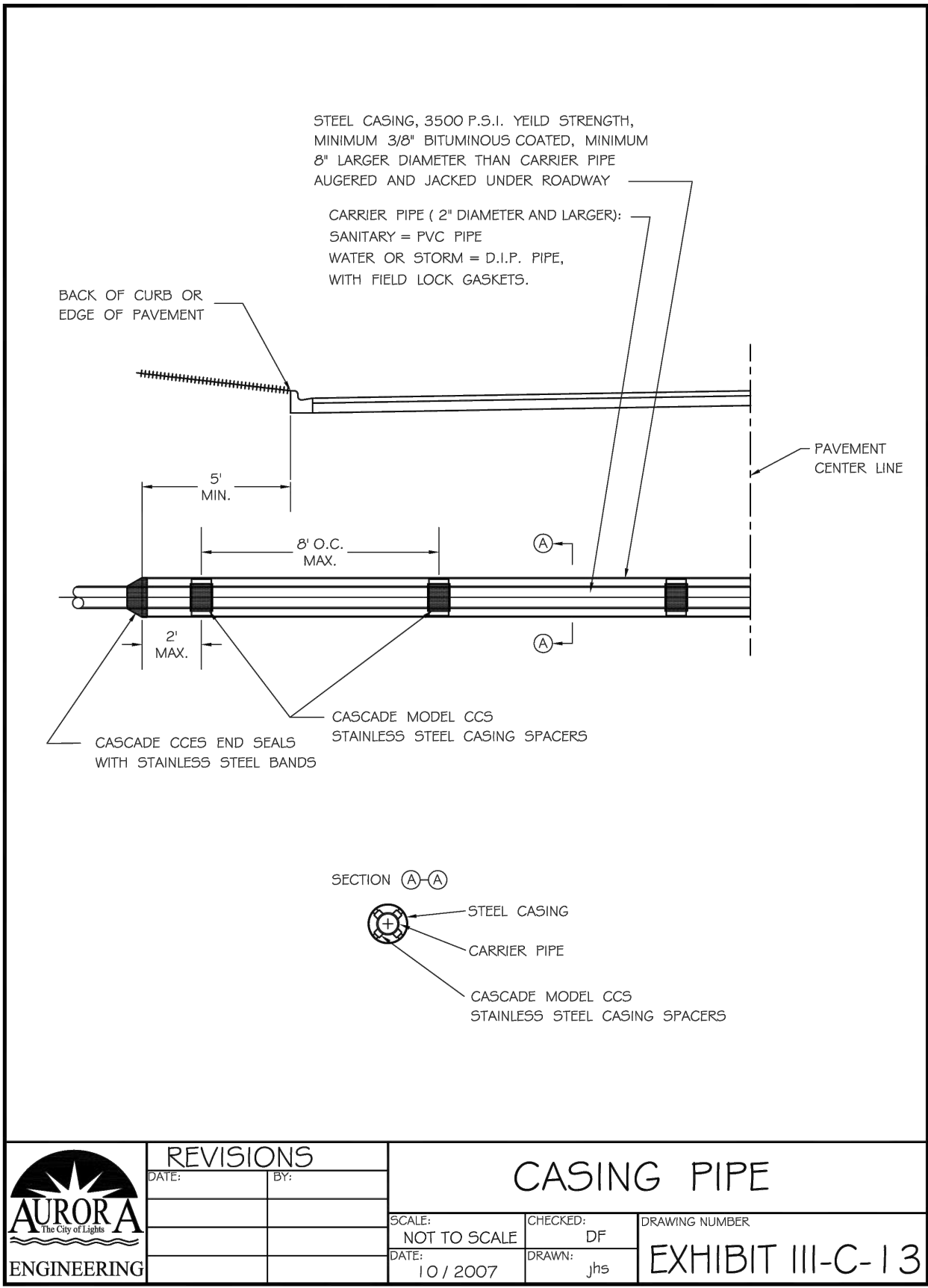
SHEET TITLE

PLAN AND PROFILE

TOTAL SHEETS

11

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77 SOUTH BROADWAY
AURORA, ILLINOIS 60505

REVISIONS:

DESIGNED BY:	GL	CHECKED BY:	GL	SCALE:	N.T.S.
DRAWN BY:	SMC	APPROVED BY:	KM	DATE:	2024

PROJECT

MARION AVE., LAFAYETTE ST., AND SEMINARY AVE. SEWER SEPARATION

SHEET TITLE

STANDARD DETAILS

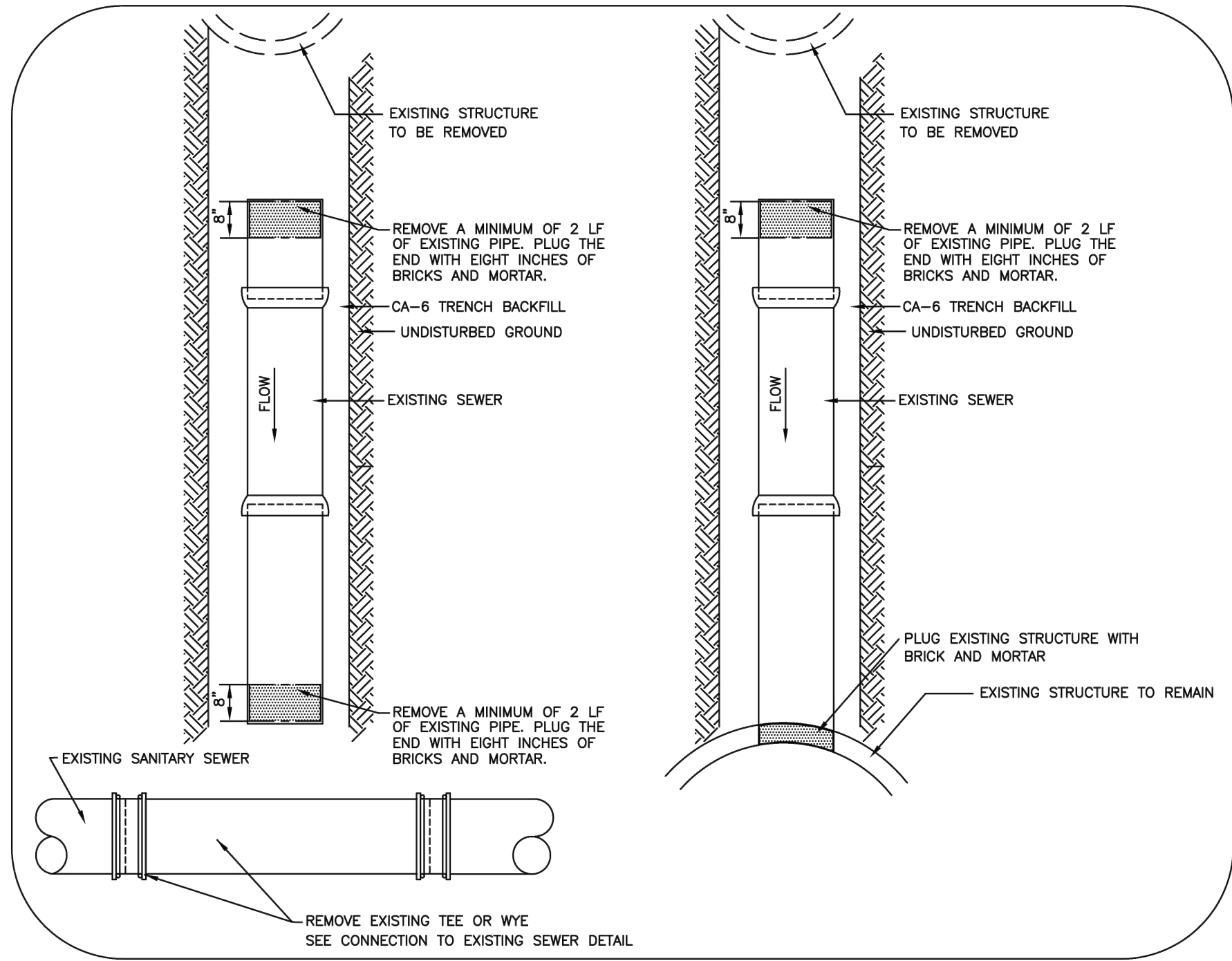
SHEET NUMBER

7

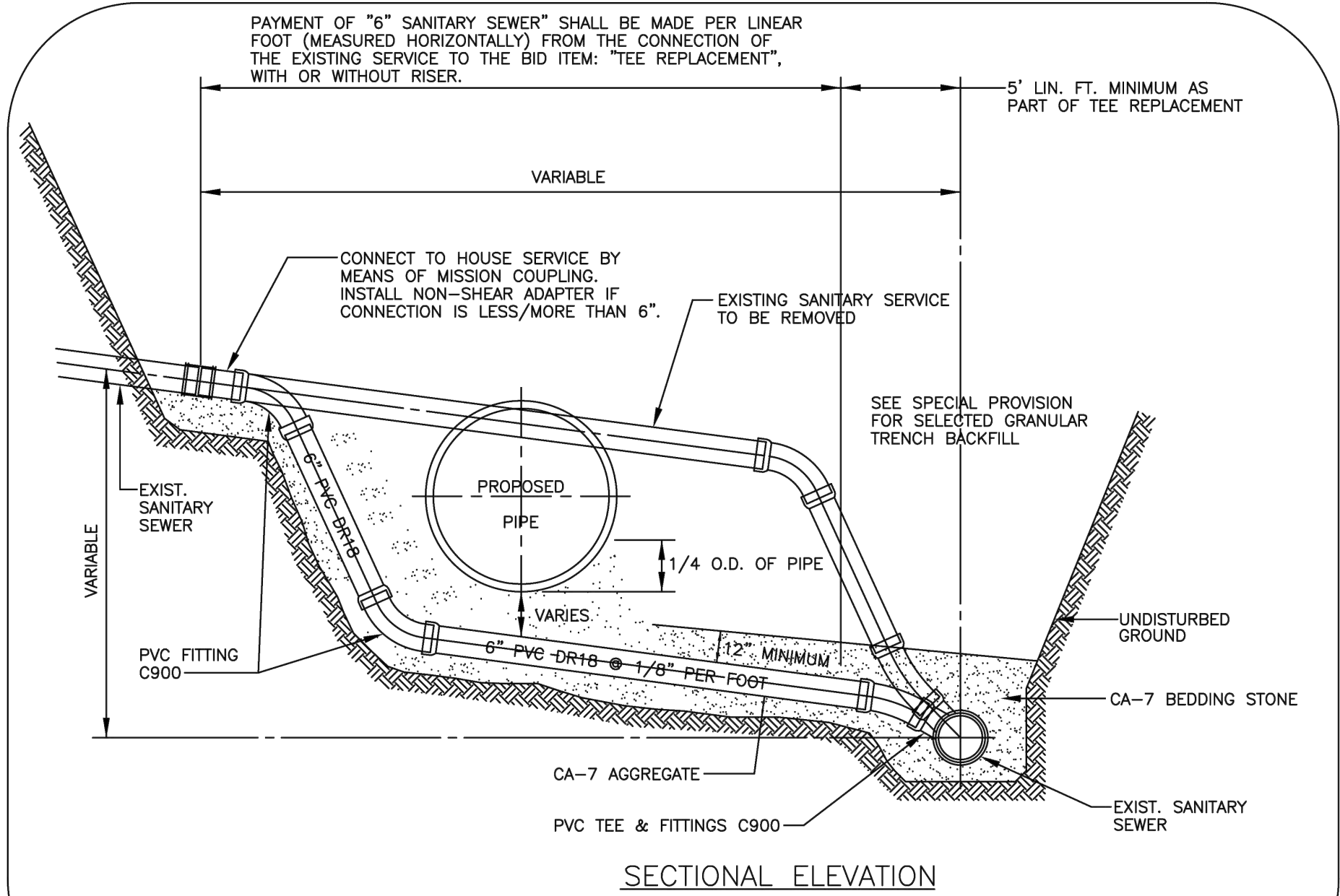
TOTAL SHEETS

11

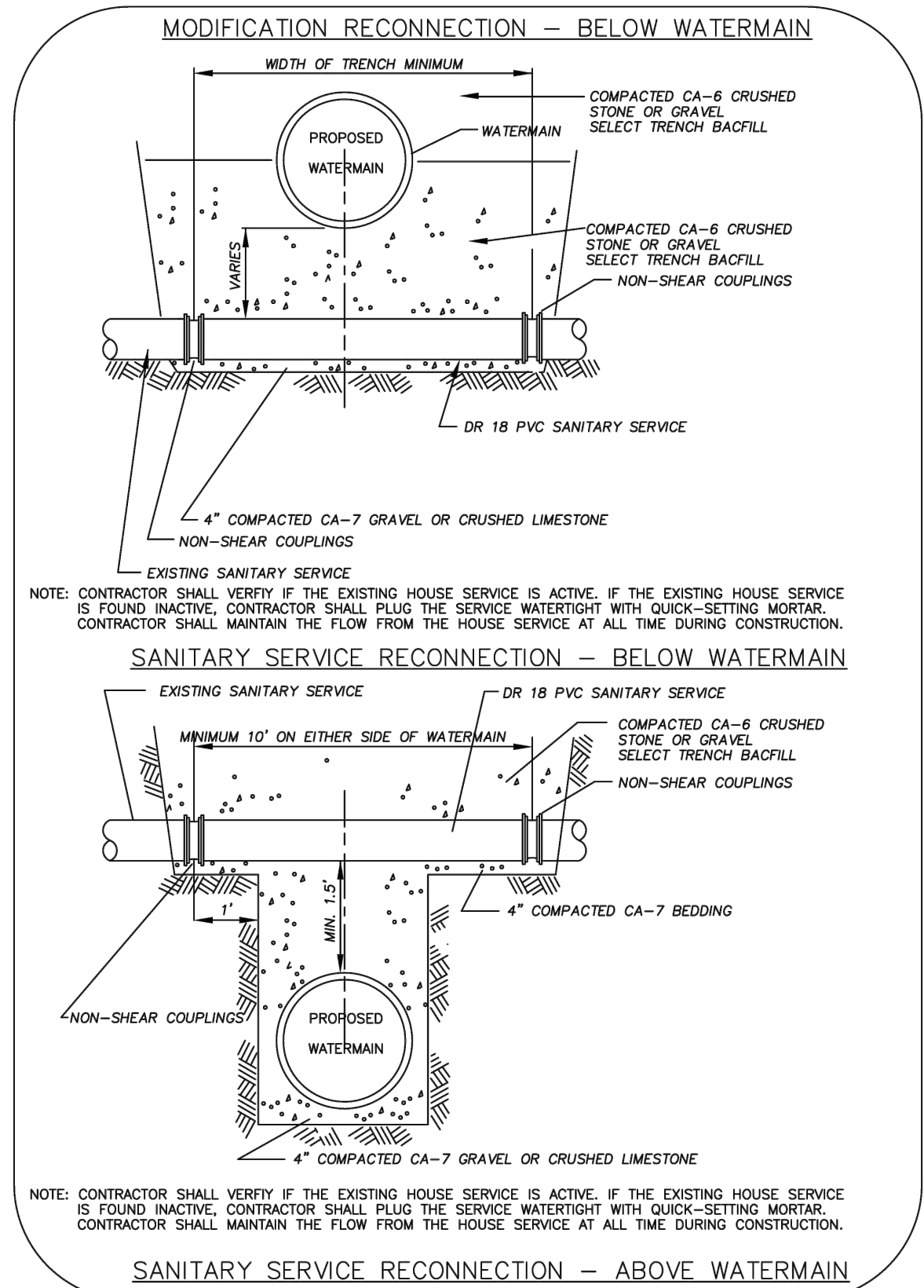
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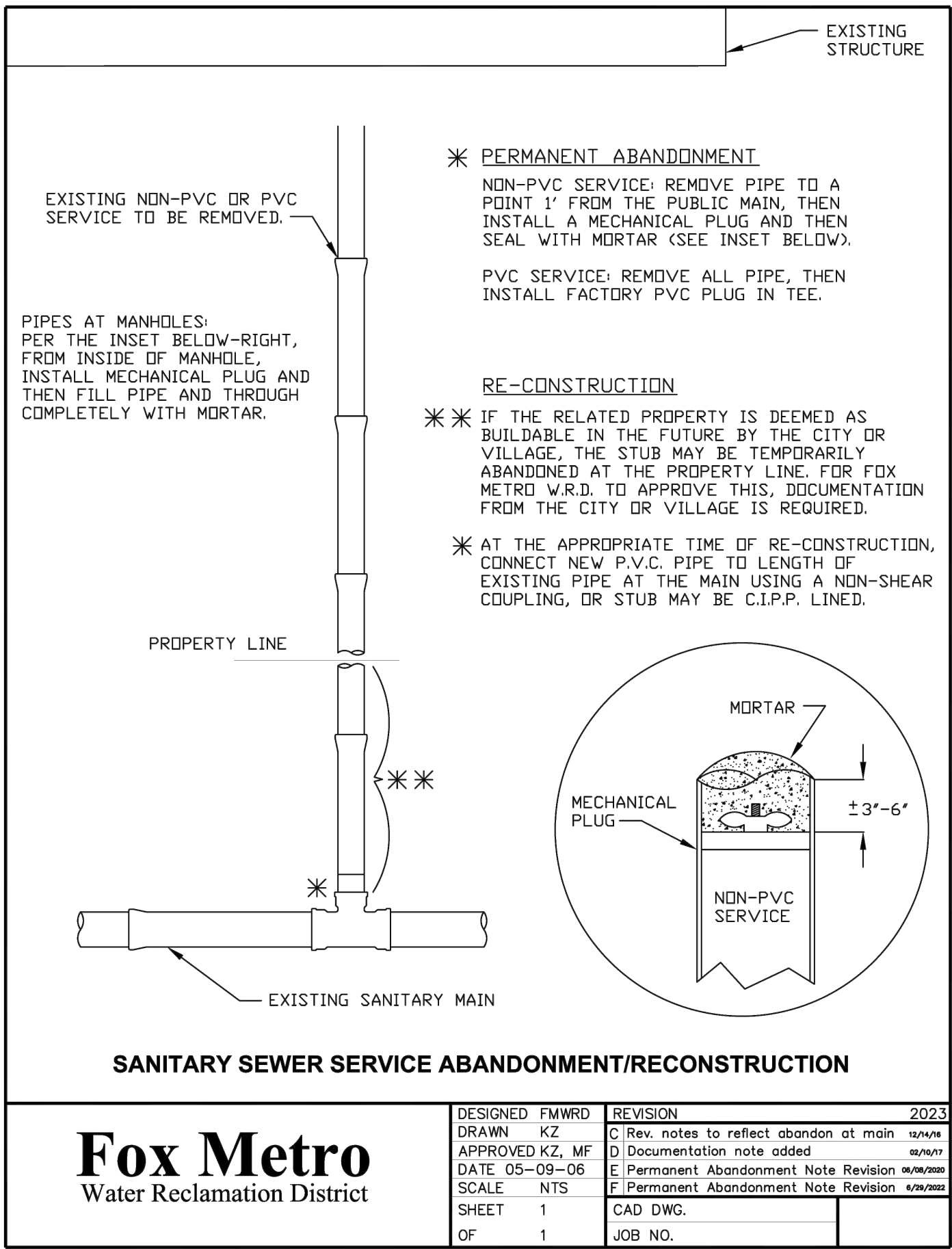
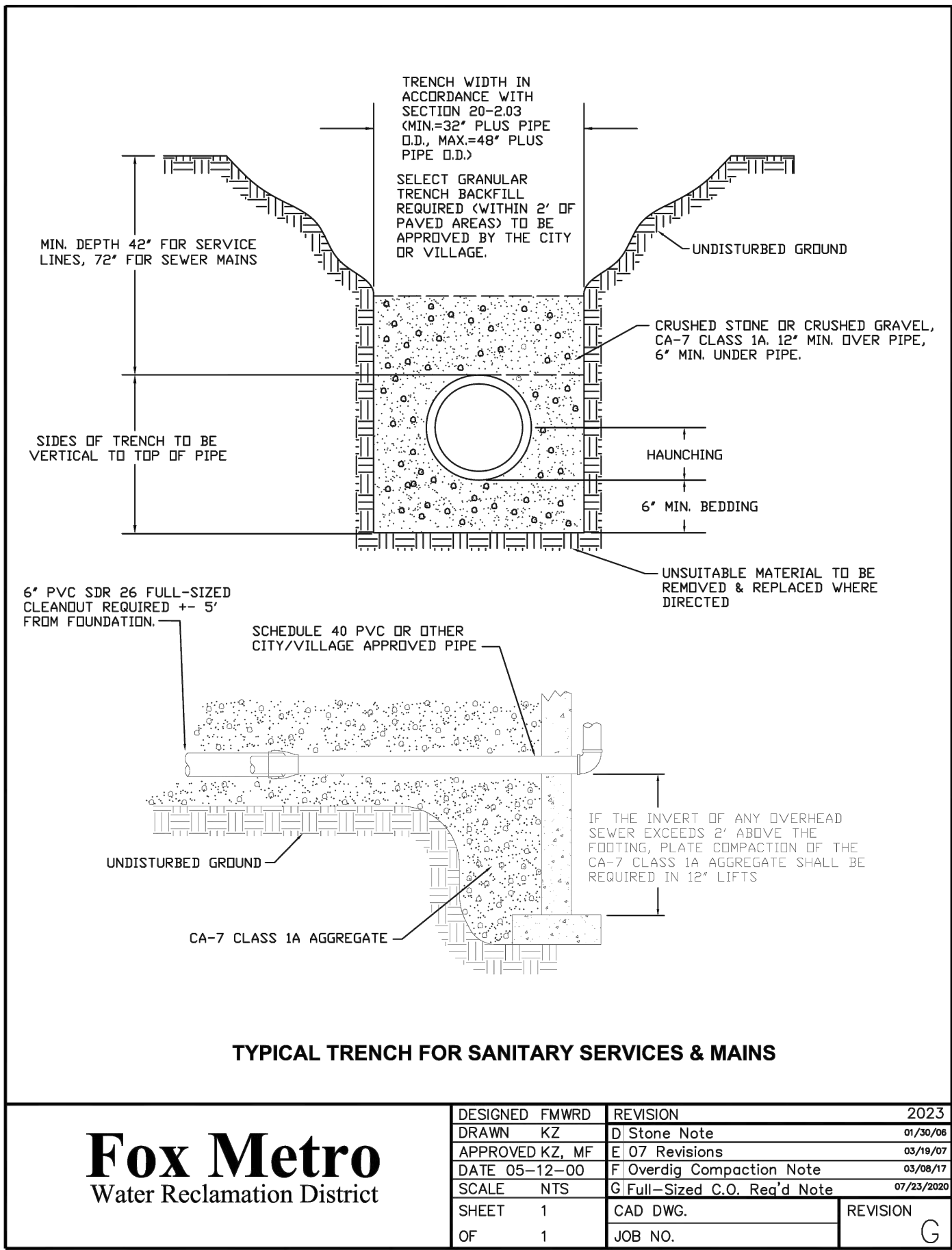
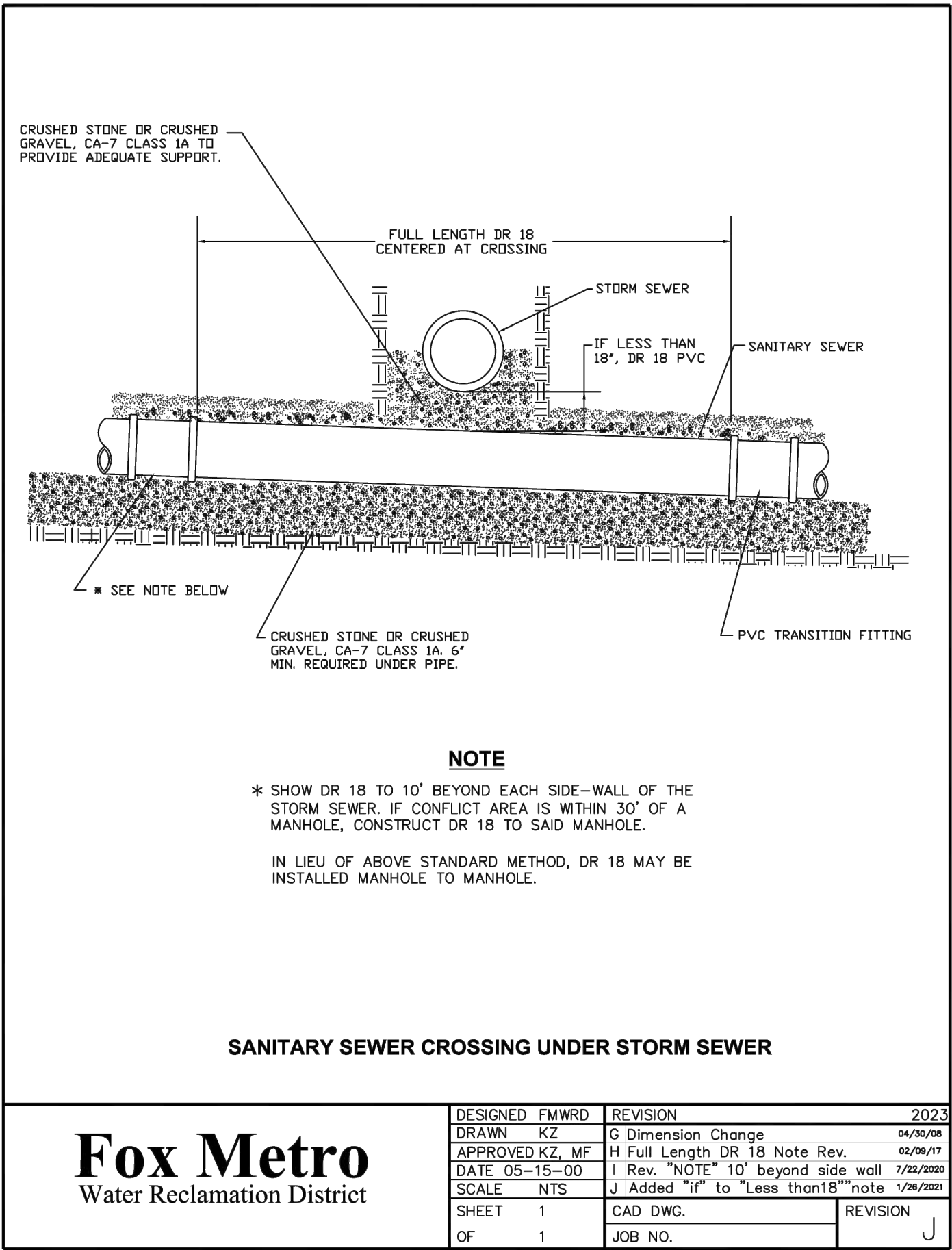
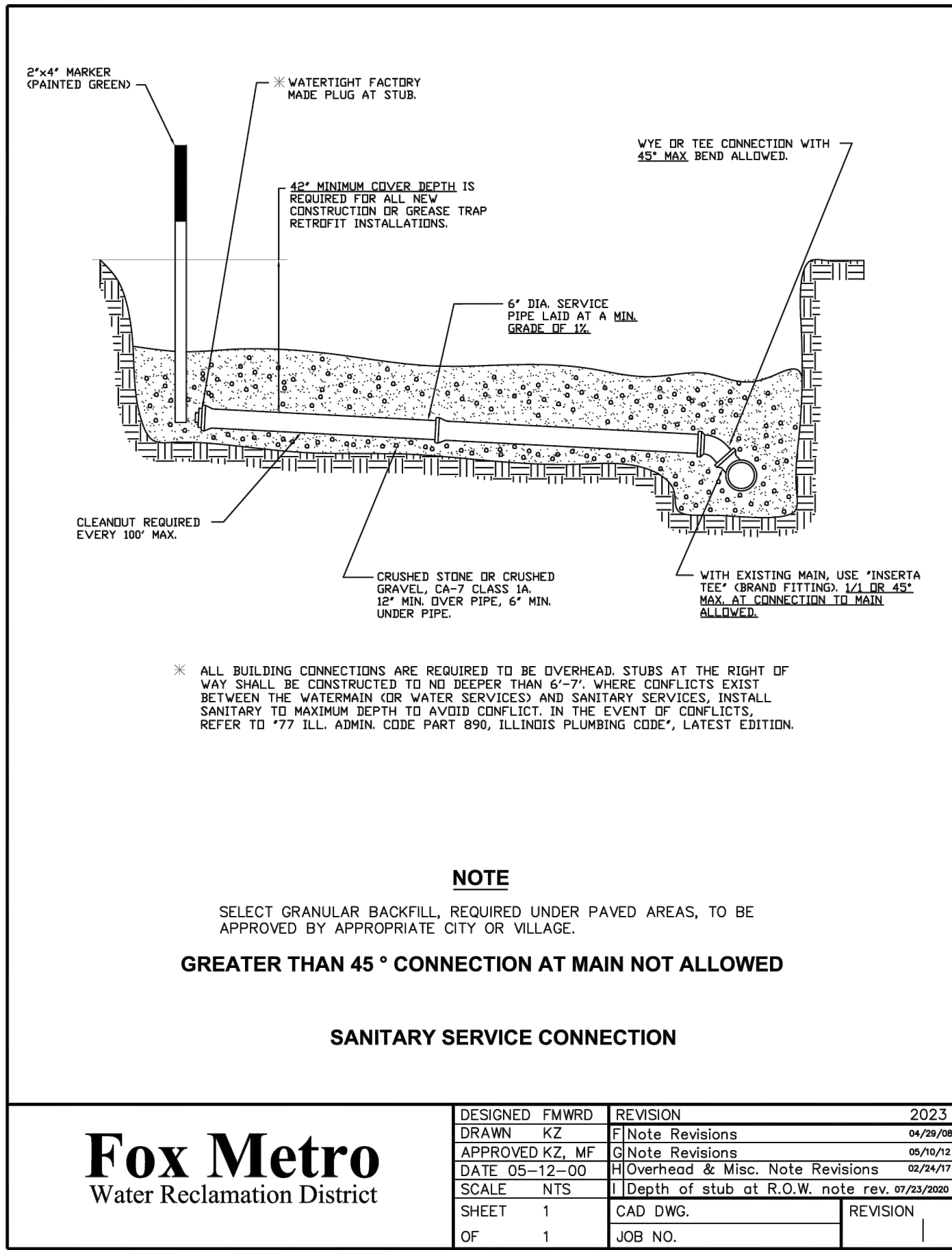
PLUG AND ABANDON
EXISTING CONNECTIONS



SANITARY SERVICE RESTORATION



SANITARY SERVICE RECONNECTIONS



CITY OF AURORA
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77 SOUTH BROADWAY
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SHEET TITLE

STANDARD DETAILS

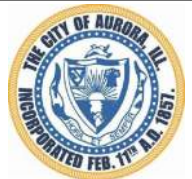
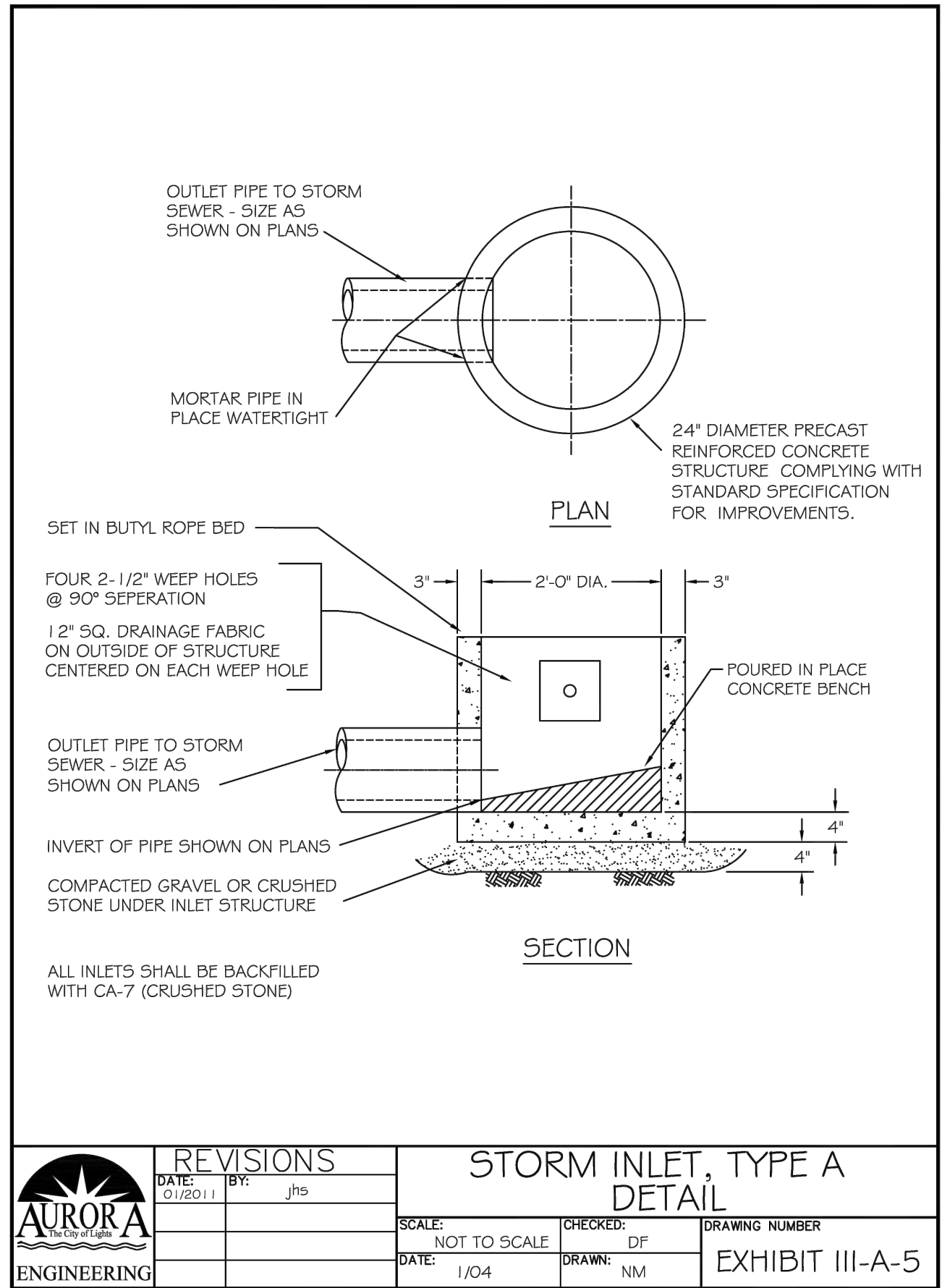
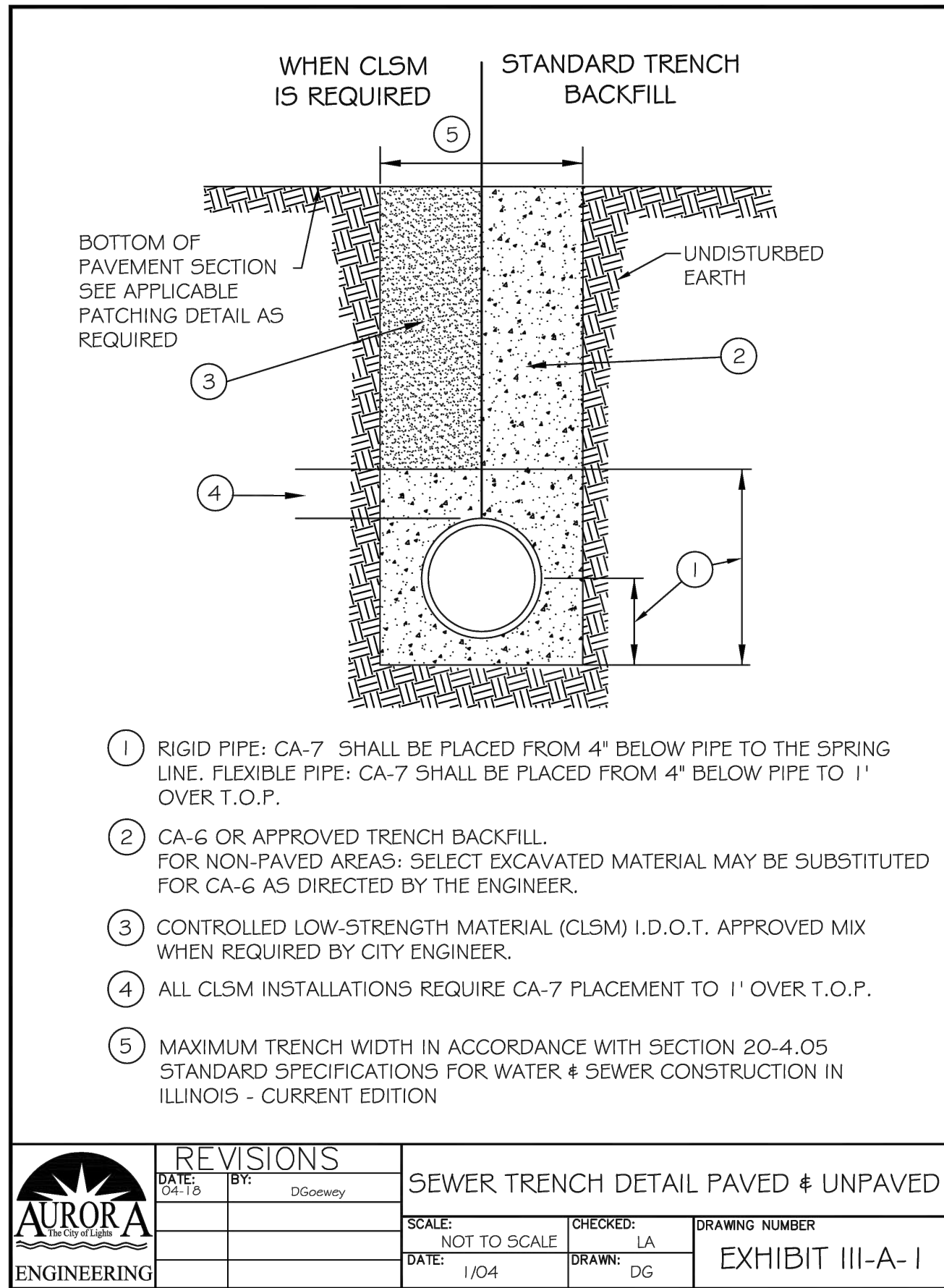
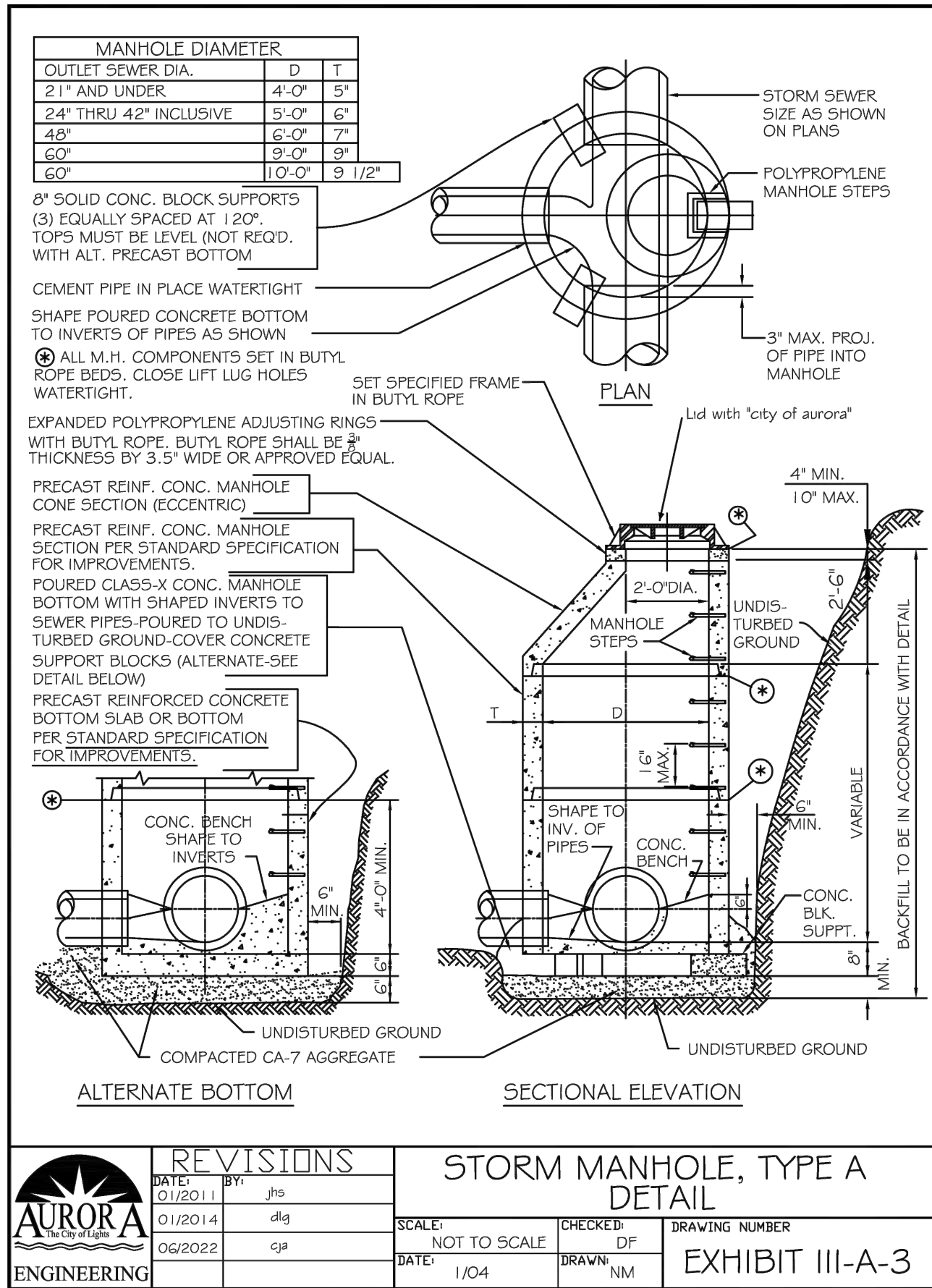
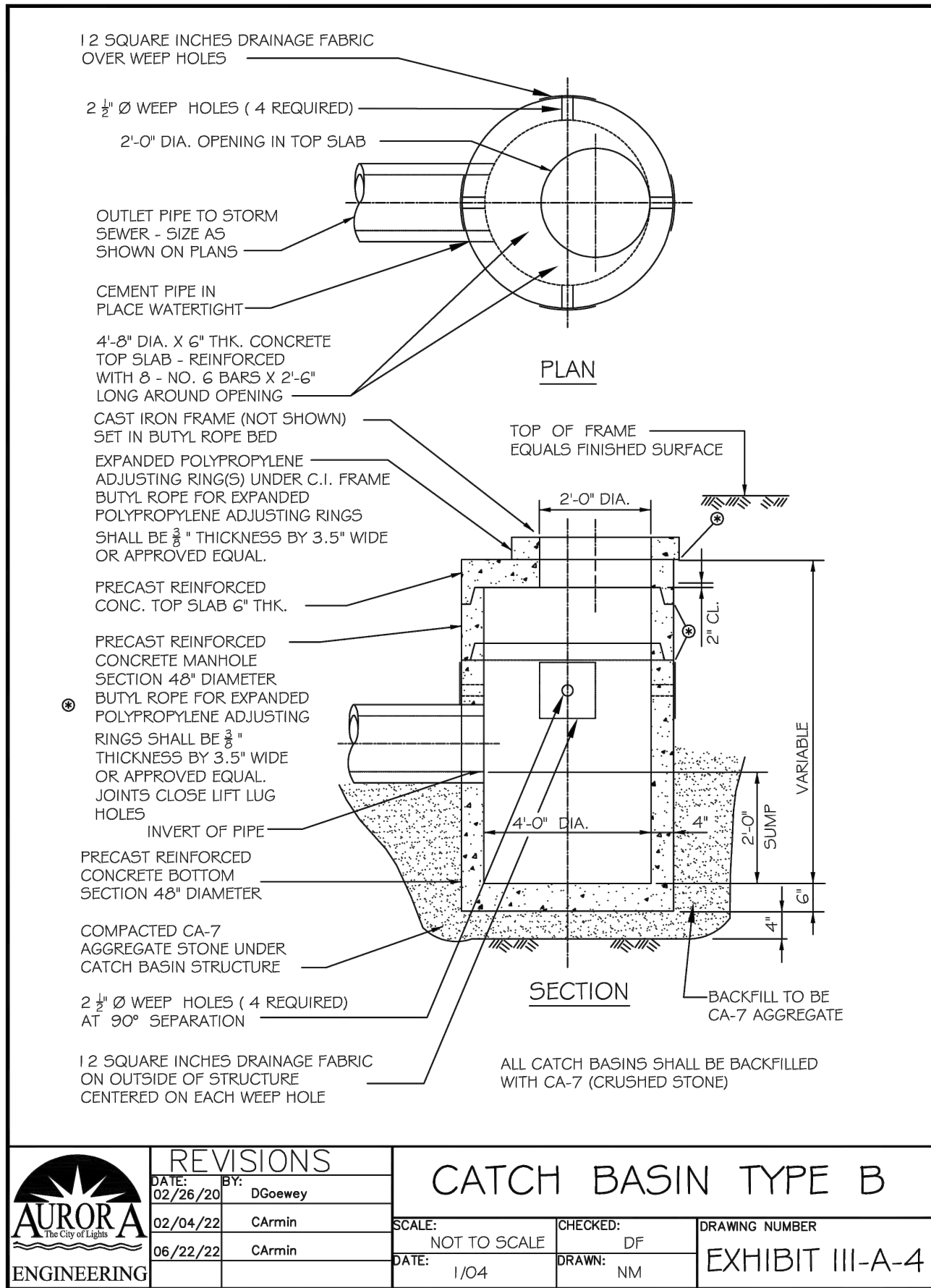
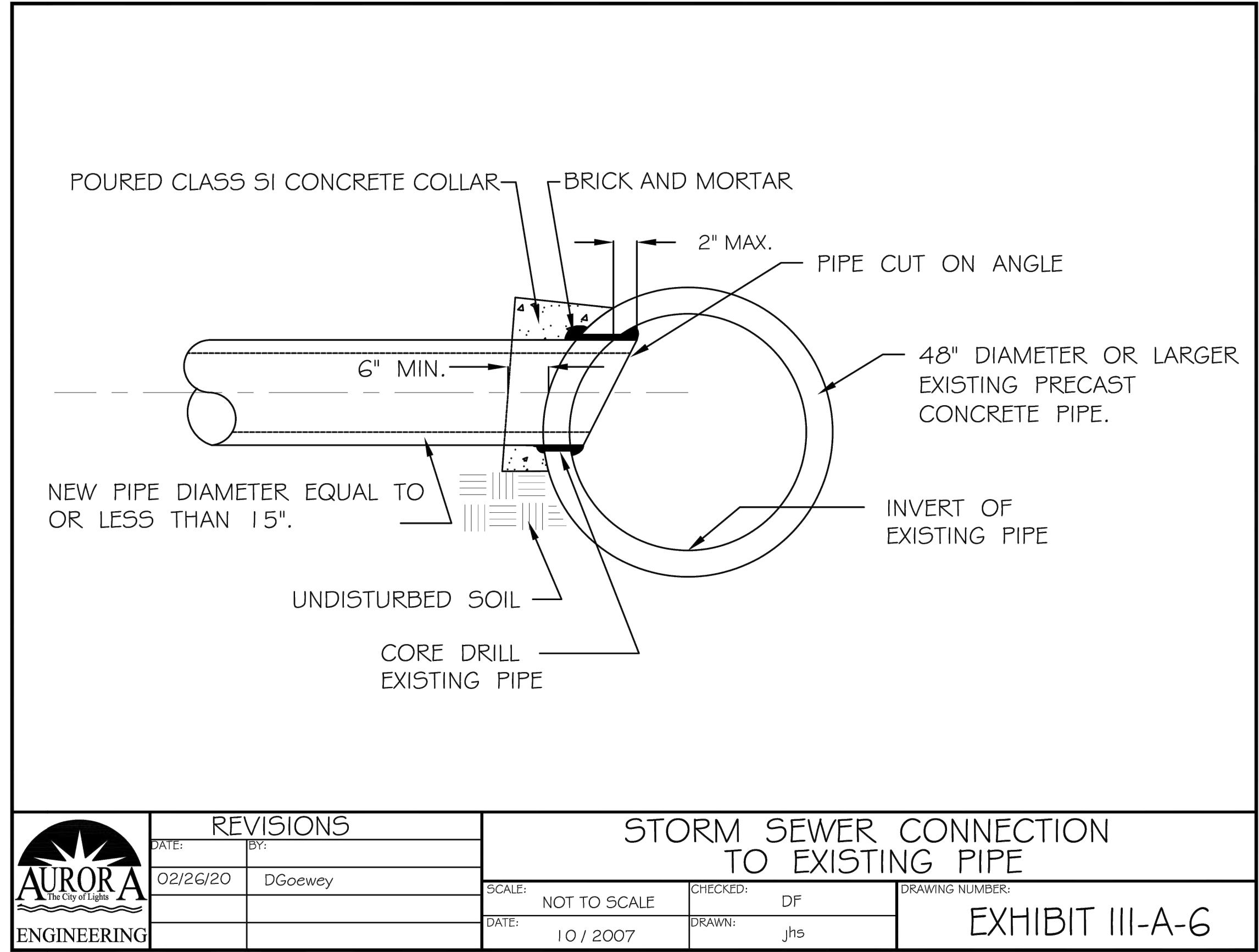
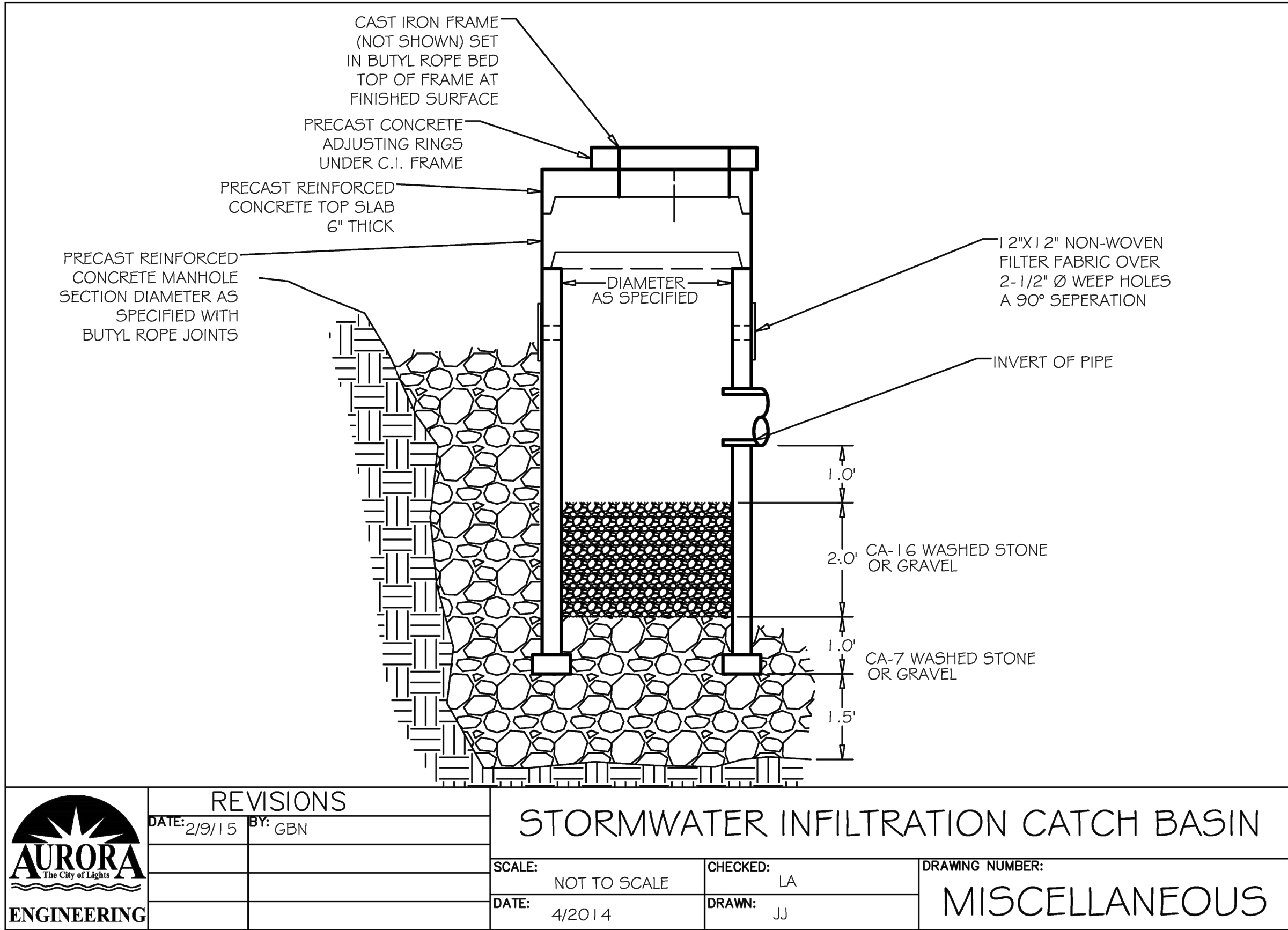
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TOTAL SHEETS

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SHEET TITLE

STANDARD DETAILS

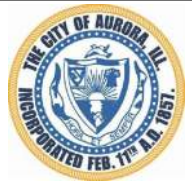
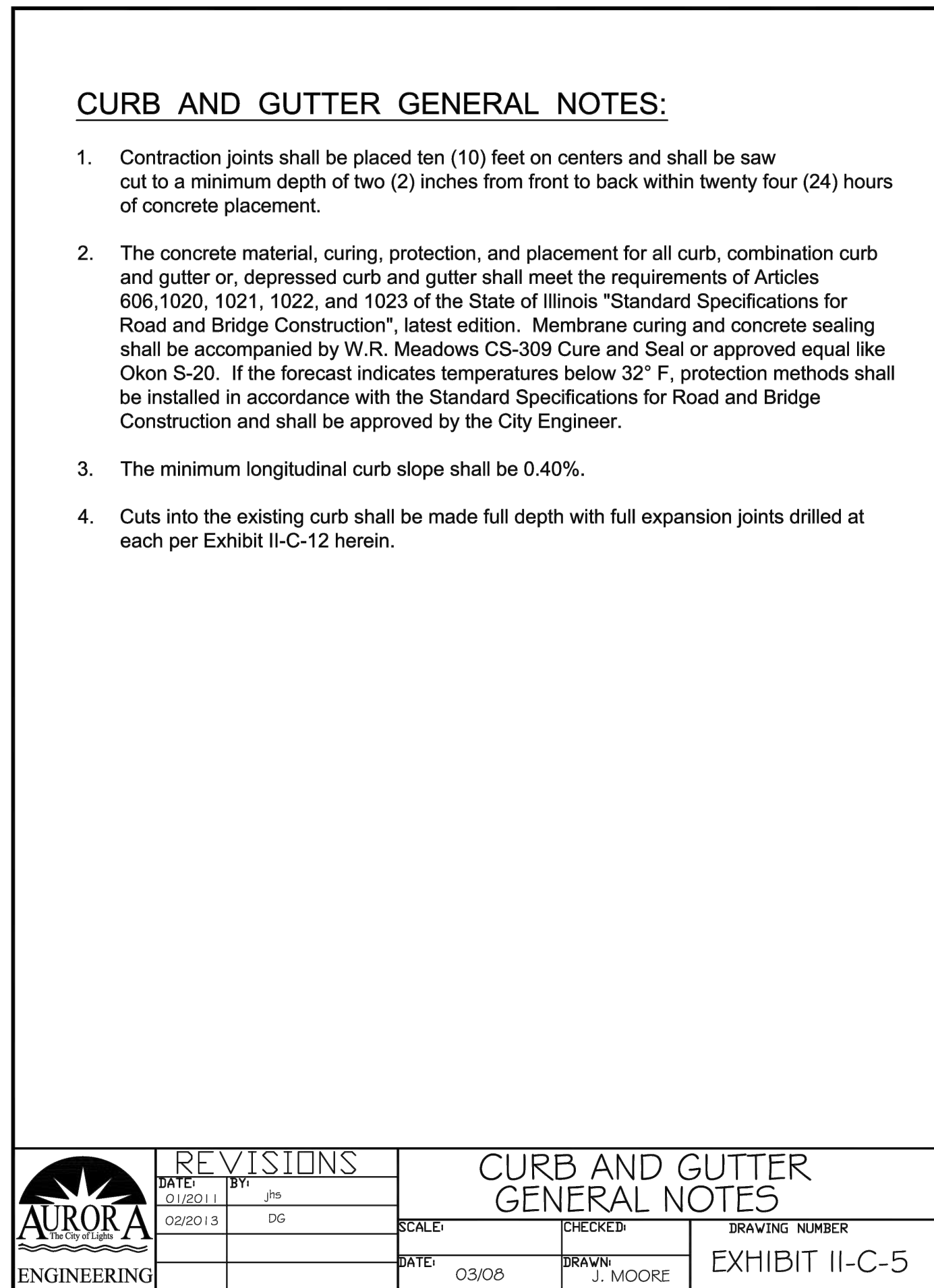
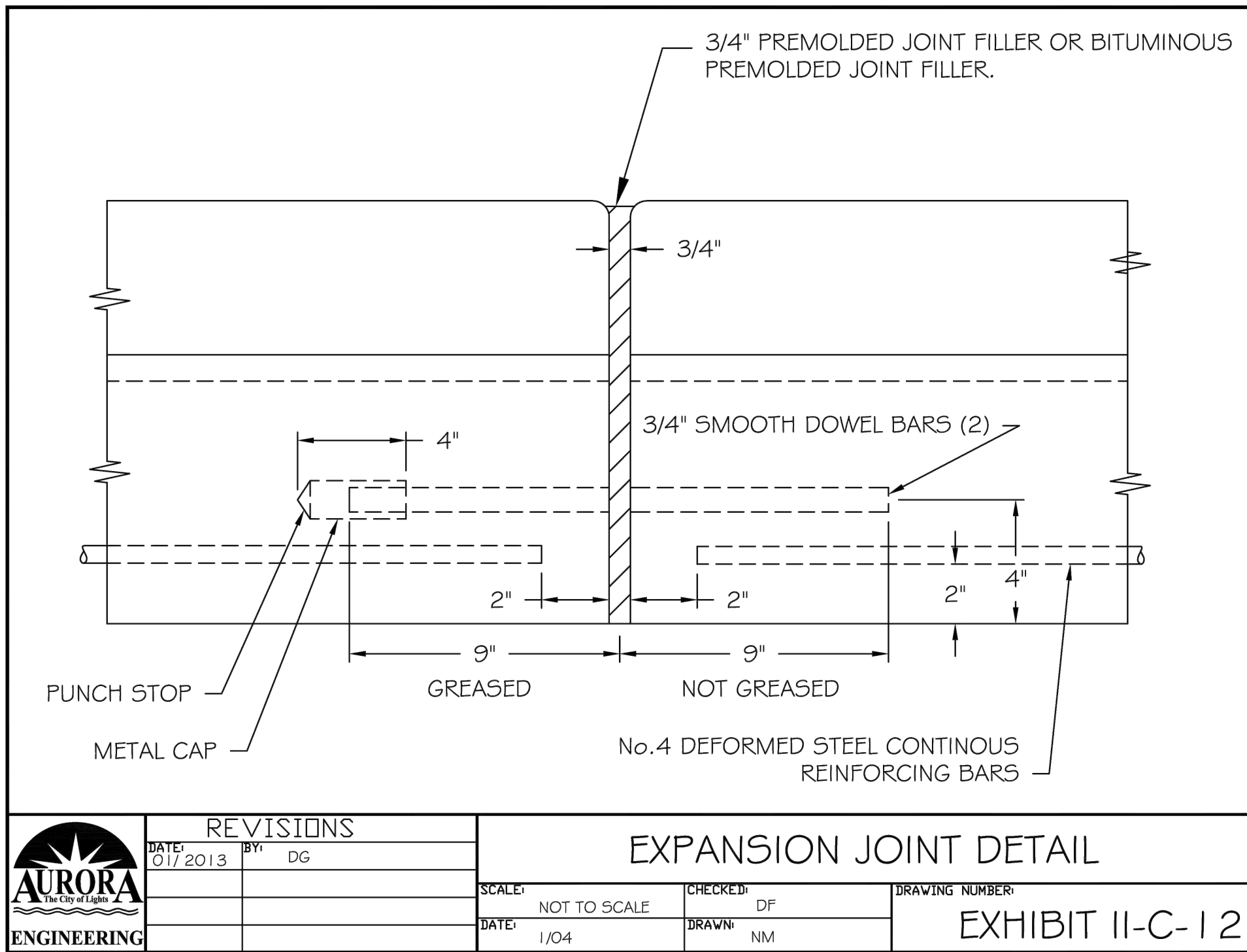
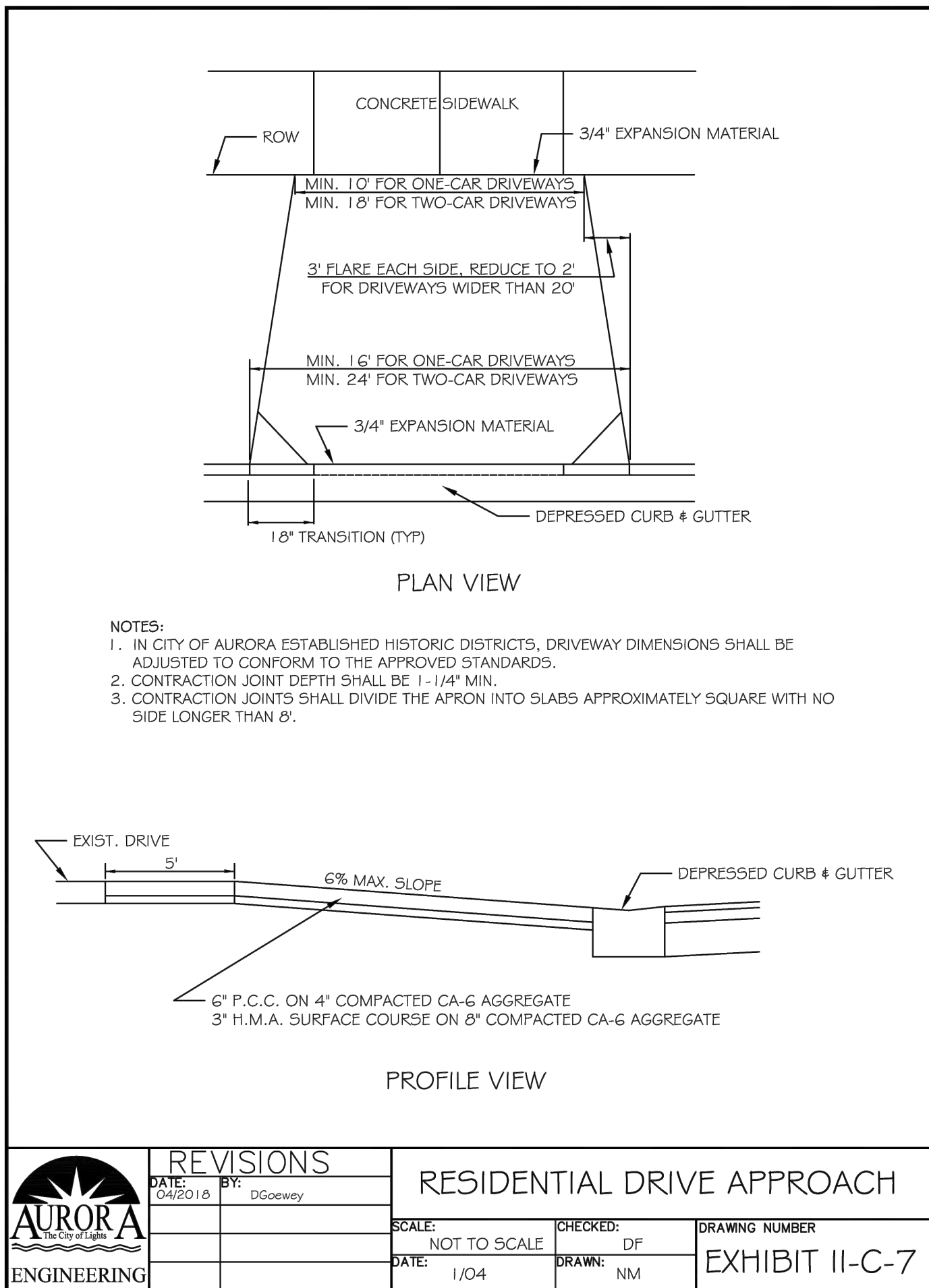
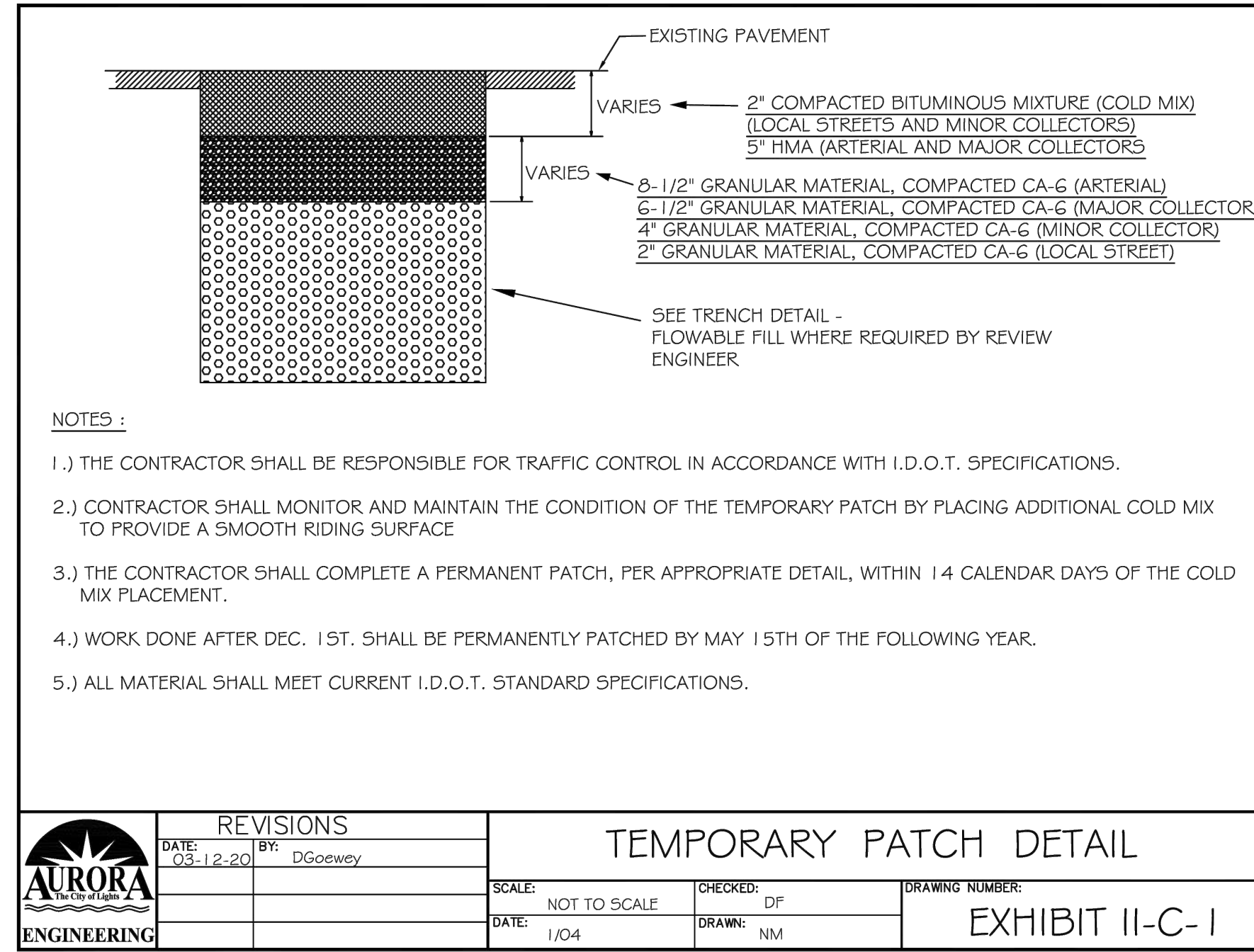
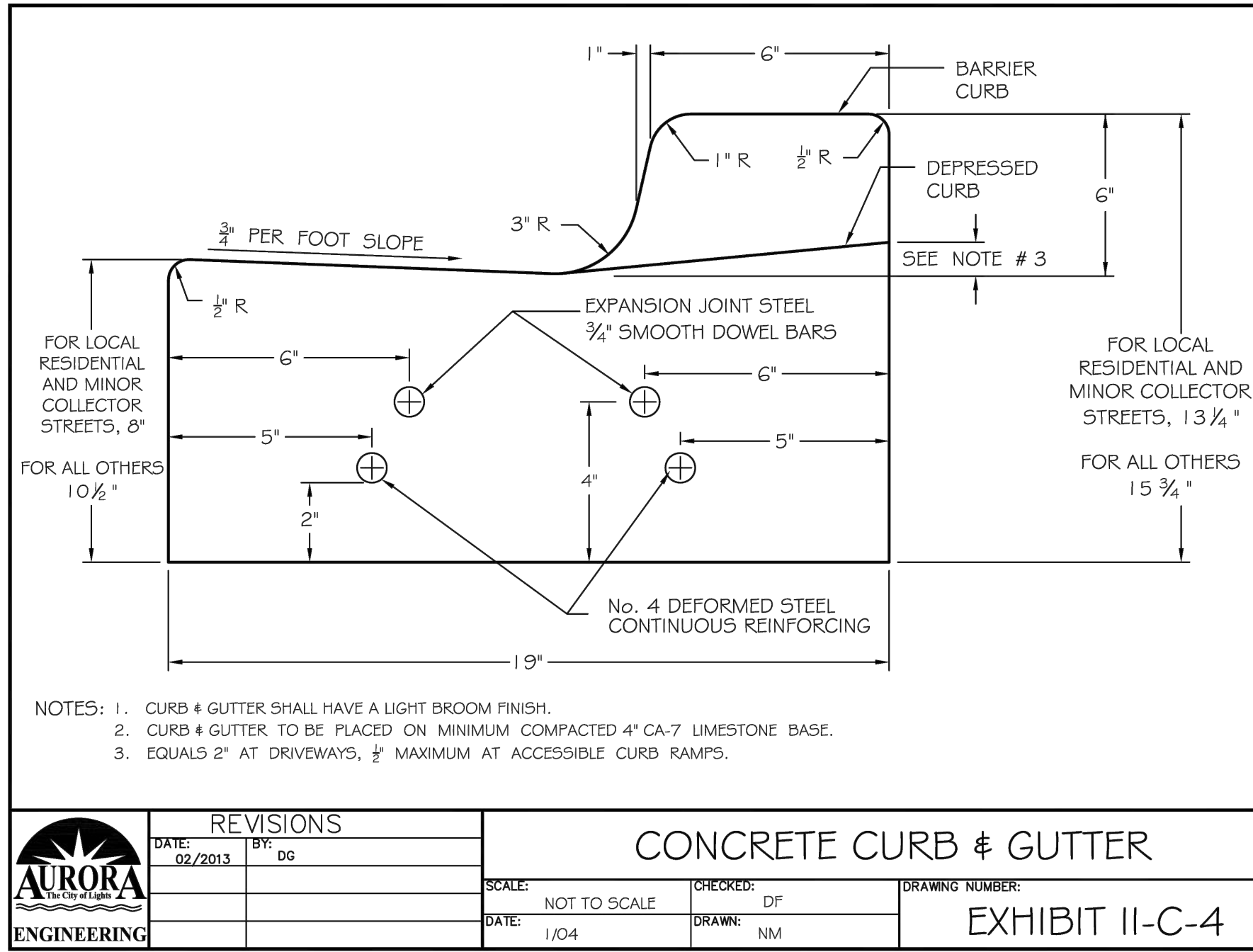
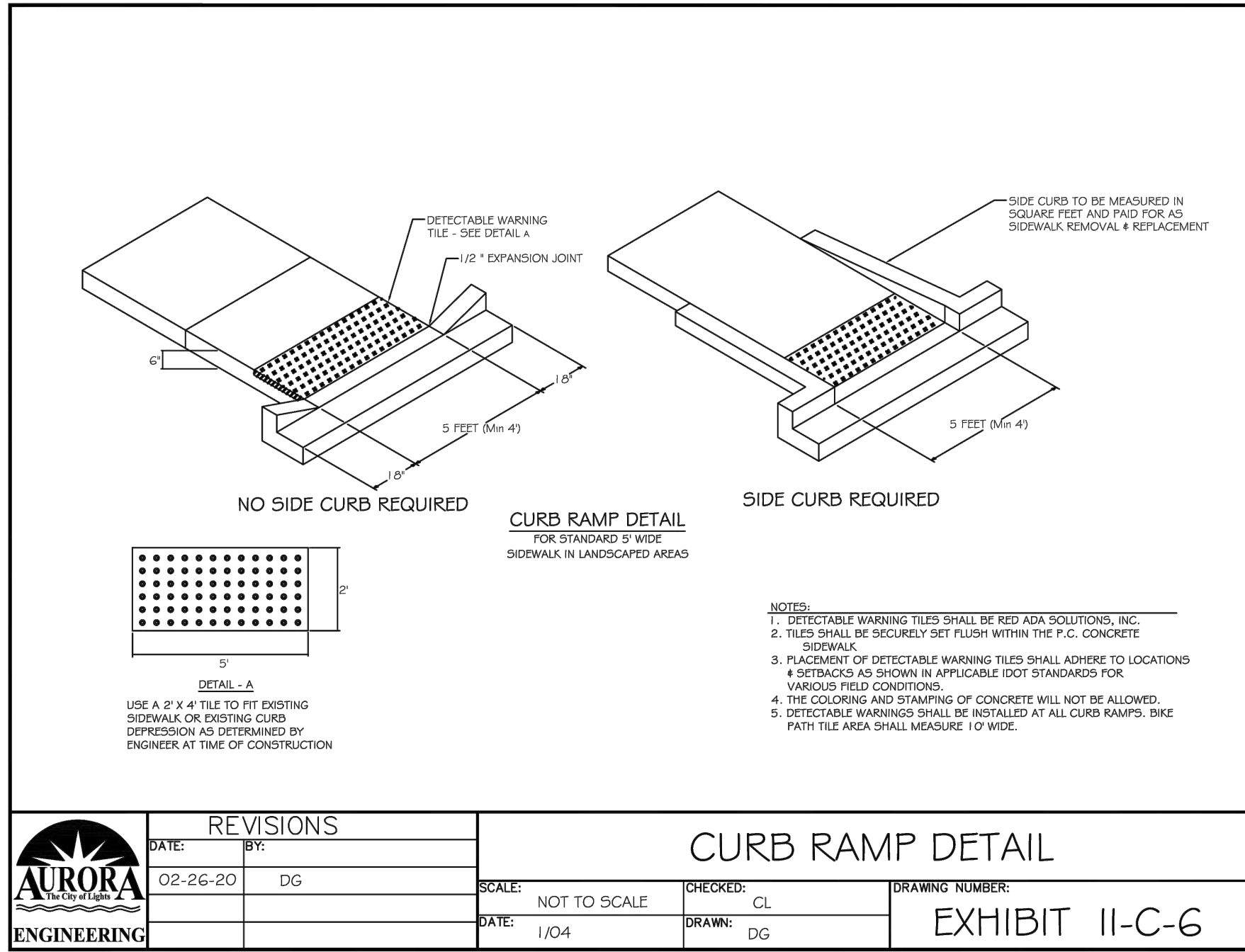
SHEET NUMBER

9

TOTAL SHEETS

11

PLOT DATE 3/22/2024 3:50 PM LAST SAVED BY lcong
FILEPATH \\C04513\PUBLIC_WORKS\ENGINEERING\CAPITAL IMPROVEMENT PROJECTS\2024 SEWER SEPARATION\MARION, LAFAYETTE & SEMINARY\CAD\DETAILS.DWG



CITY OF AURORA
ENGINEERING DIVISION
77 SOUTH BROADWAY
AURORA, ILLINOIS 60505

REVISIONS:

DESIGNED BY: GL
CHECKED BY: GL
SCALE: N.T.S.
DRAWN BY: SMC
APPROVED BY: KM
DATE: 2024

PROJECT

MARION AVE., LAFAYETTE ST., AND SEMINARY AVE. SEWER SEPARATION

SHEET TITLE

STANDARD DETAILS

SHEET NUMBER

10

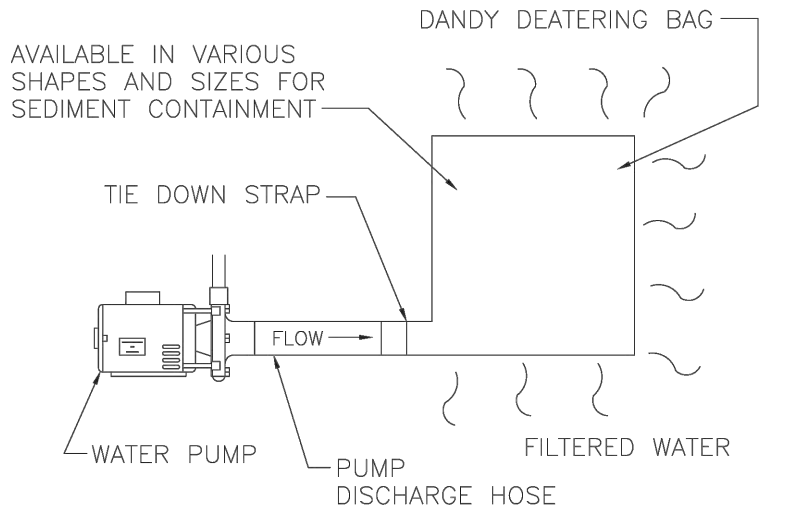
TOTAL SHEETS

11

PLOT DATE 3/22/2024 3:50 PM LAST SAVED BY lcong
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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.



AVAILABLE IN VARIOUS SHAPES AND SIZES FOR SEDIMENT CONTAINMENT

DANDY DEATERING BAG

TIE DOWN STRAP

WATER PUMP

PUMP DISCHARGE HOSE

FILTERED WATER

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

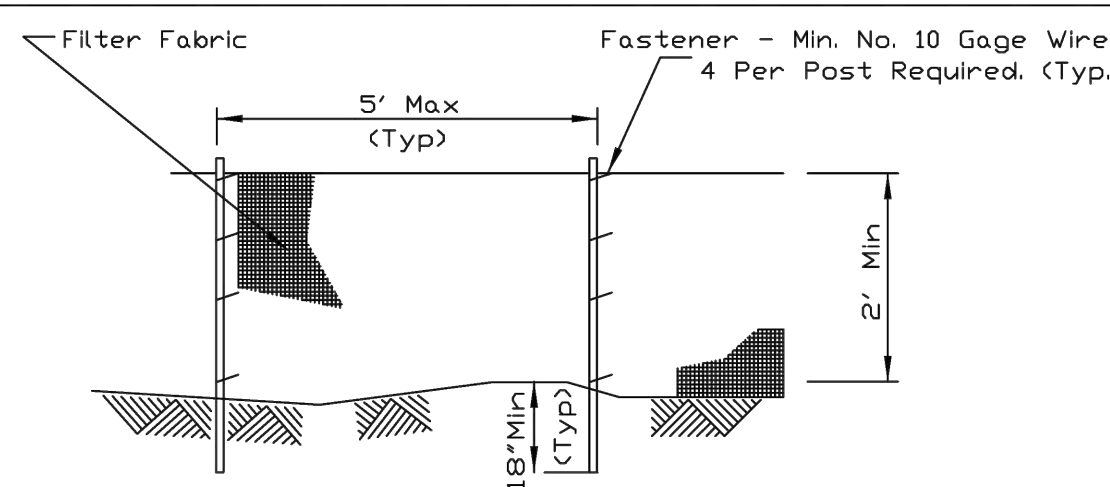
Remove and dispose of the sediment in a manner satisfactory to the engineer/inspector or in one of the following ways:

- 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

SILT FENCE PLAN



Filter Fabric

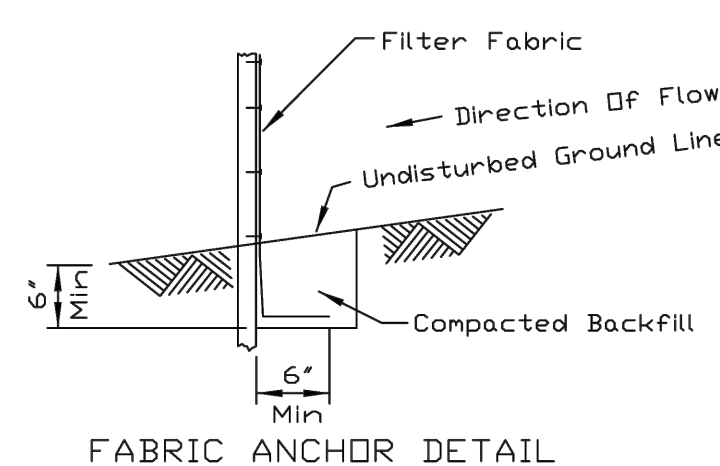
Fastener - Min. No. 10 Gage Wire
4 Per Post Required. (Typ.)

5' Max
(Typ.)

2' Min

18" Min
(Typ.)

ELEVATION



Filter Fabric

Direction Of Flow

Undisturbed Ground Line

6" Min

6" Min

Compacted Backfill

FABRIC ANCHOR DETAIL



Filter Fabric

Fastener

Compacted Backfill

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.

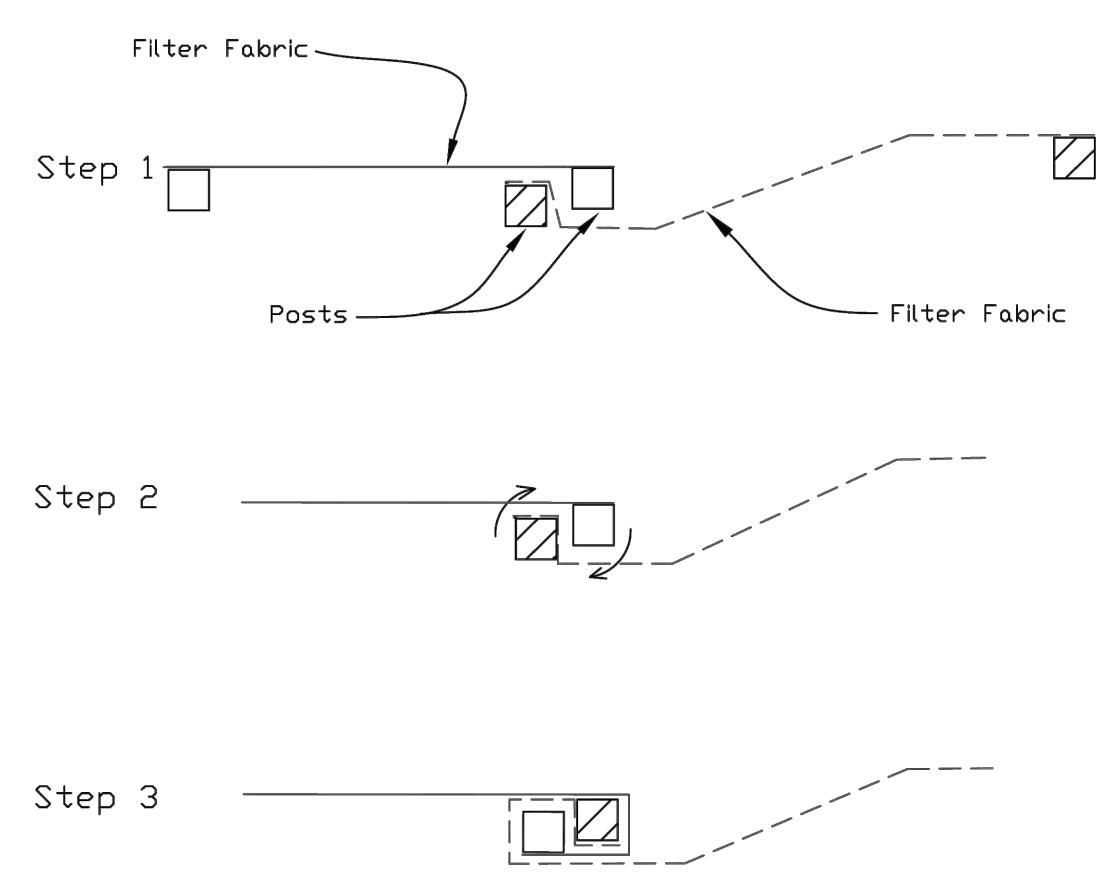
REFERENCE	Project	Date
Designed	_____	_____
Checked	_____	_____
Approved	_____	_____



NRCS
Natural Resource Conservation Service

STANDARD DWG. NO.	IL-620
SHEET 1 OF 2	
DATE	11-20-01

SILT FENCE - SPLICING TWO FENCES



Filter Fabric

Step 1

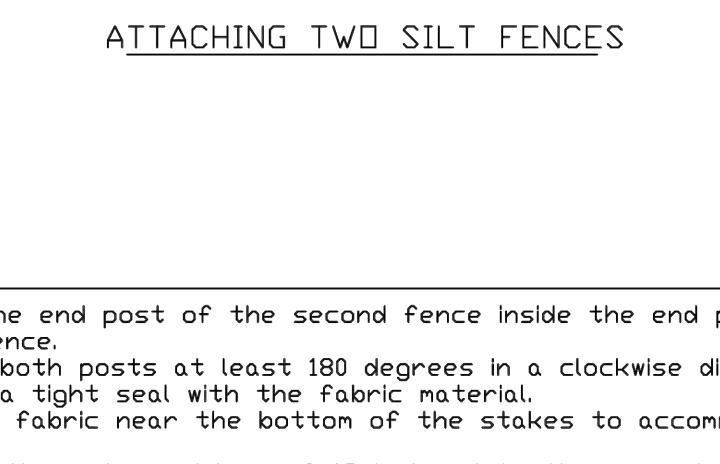
Posts

Filter Fabric

Step 2

Step 3

ATTACHING TWO SILT FENCES



Filter Fabric

Posts

Filter Fabric

1. Place the end post of the second fence inside the end post of the first fence.

2. Rotate both posts at least 180 degrees in a clockwise direction to create a tight seal with the fabric material.

3. Cut the fabric near the bottom of the stakes to accommodate the 6" flap.

4. Drive both posts a minimum of 18 inches into the ground and bury the flap.

5. Compact backfill (particularly at splices) completely to prevent stormwater piping.

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



CITY OF AURORA

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

KANE-DUPAGE SOIL AND WATER CONSERVATION DISTRICT STANDARD NOTES

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

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

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

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

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

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

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

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

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

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

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

SOIL STABILIZATION TABLE

REQUIRED FOR ALL DISTURBED GRASS AREAS

CITY OF AURORA MIX	
24.93% ASAP PERENNIAL RYEGRASS	261 LBS./AC.
24.46% CADDYSHACK 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

PAVEMENT RESTORATION FOR RESIDENTIAL STREETS AND MINOR COLLECTORES

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

a) Water Mains:

1) Horizontal Separation:

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

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

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

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

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

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

2) Vertical Separation:

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

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

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

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

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

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

b) Water Service Lines:

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

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

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

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

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

NOTES :

- A STEEL PLATE SHALL BE PLACED OVER ANY TRENCH REMAINING OPEN TO TRAFFIC PRIOR TO THE INSTALLATION OF THE HOT-MIX BINDER AND SURFACE COURSES.
- THE ENTIRE STREET FROM CURB TO CURB OR JOINT TO JOINT SHALL BE RESURFACED UNLESS EXPRESSLY PERMITTED BY THE CITY ENGINEER OR HIS DESIGNEE. THE PERMANENT PATCH SHALL BE MILLED SQUARE OR RECTANGULAR AND SHALL ENCOMPASS THE TRENCH AREA WITH A MINIMUM OF FIVE FEET (5') BEYOND THE WIDEST OR LONGEST SAW CUT LIMITS OF THE TRENCH.
- THE EDGES OF THE EXISTING PAVEMENT SHALL BE SAW CUT AND PRIMED PRIOR TO THE PLACEMENT OF THE SURFACE COURSE.
- ANY SURFACE VARIATIONS 1/4" OR GREATER SHALL BE CORRECTED BY REMOVAL AND REPLACEMENT.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR TRAFFIC CONTROL IN ACCORDANCE WITH IDOT SPECIFICATIONS.
- ALL MATERIAL SHALL MEET CURRENT IDOT STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION.

REVISIONS		ARTERIAL AND MAJOR COLLECTOR PERMANENT PATCH DETAIL		
DATE:	04-18	BY:	DConvey	
SCALE:	NOT TO SCALE	CHECKED:	DF	DRAWING NUMBER:
DATE:	1/04	DRAWN:	NM	EXHIBIT II-C-3

CITY OF AURORA
ENGINEERING DIVISION
77 SOUTH BROADWAY
AURORA, ILLINOIS 60505

REVISIONS:

DESIGNED BY:	GL	CHECKED BY:	GL	SCALE:	N.T.S.
DRAWN BY:	SMC	APPROVED BY:	KM	DATE:	2024

PROJECT

MARION AVE., LAFAYETTE ST., AND SEMINARY AVE. SEWER SEPARATION

SHEET TITLE

STANDARD DETAILS

SHEET NUMBER

11

TOTAL SHEETS

11