

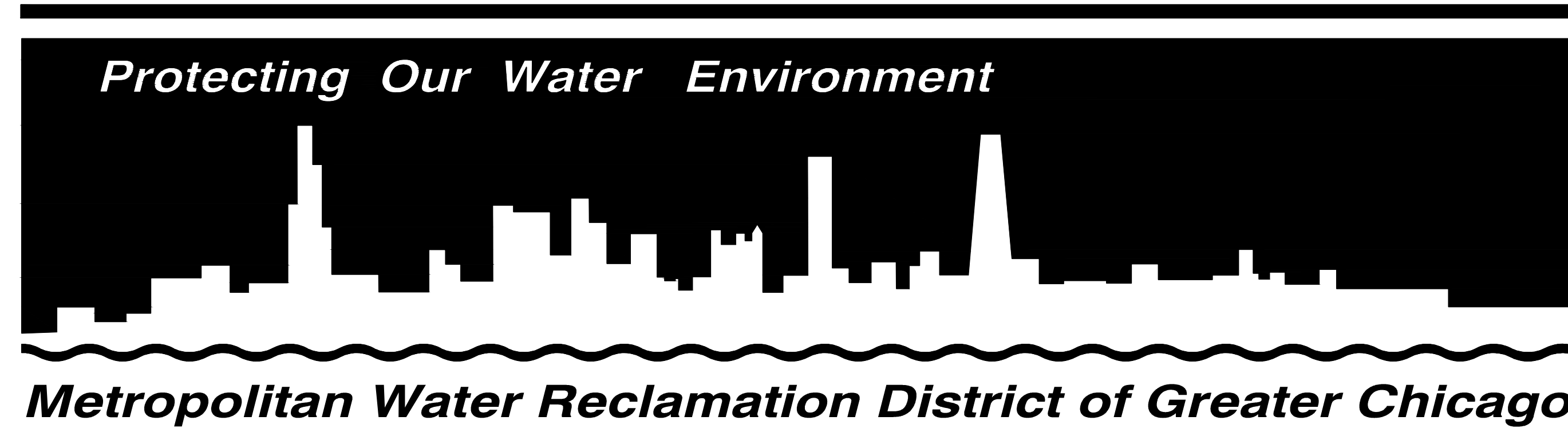
Contract Plans

for

Addison Creek Channel Improvements, SSA

Illinois

11-187-3F



Room 508, 100 East Erie Street

Chicago, Illinois 60611

Volume 3 of 3; Book 2 of 2

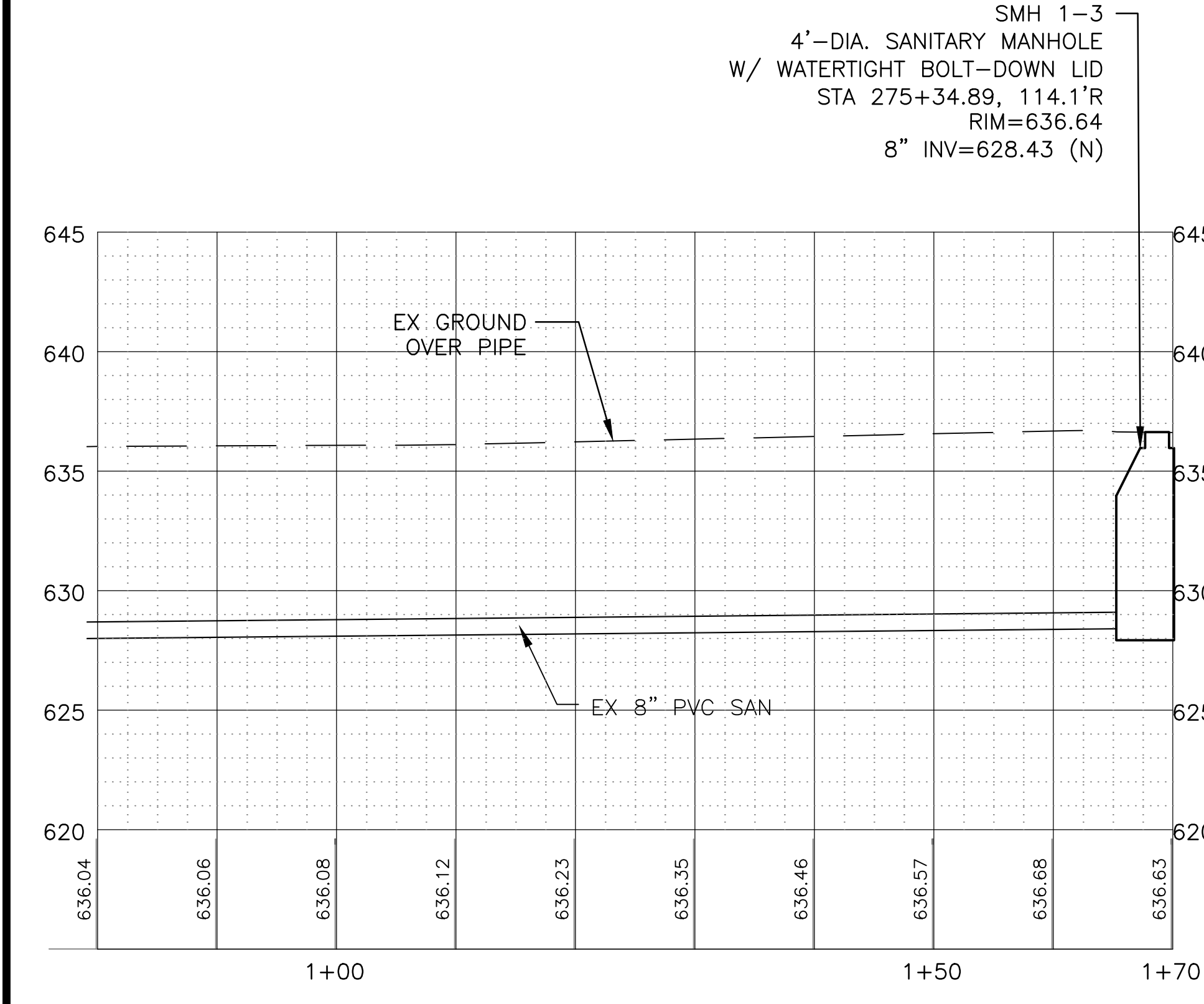
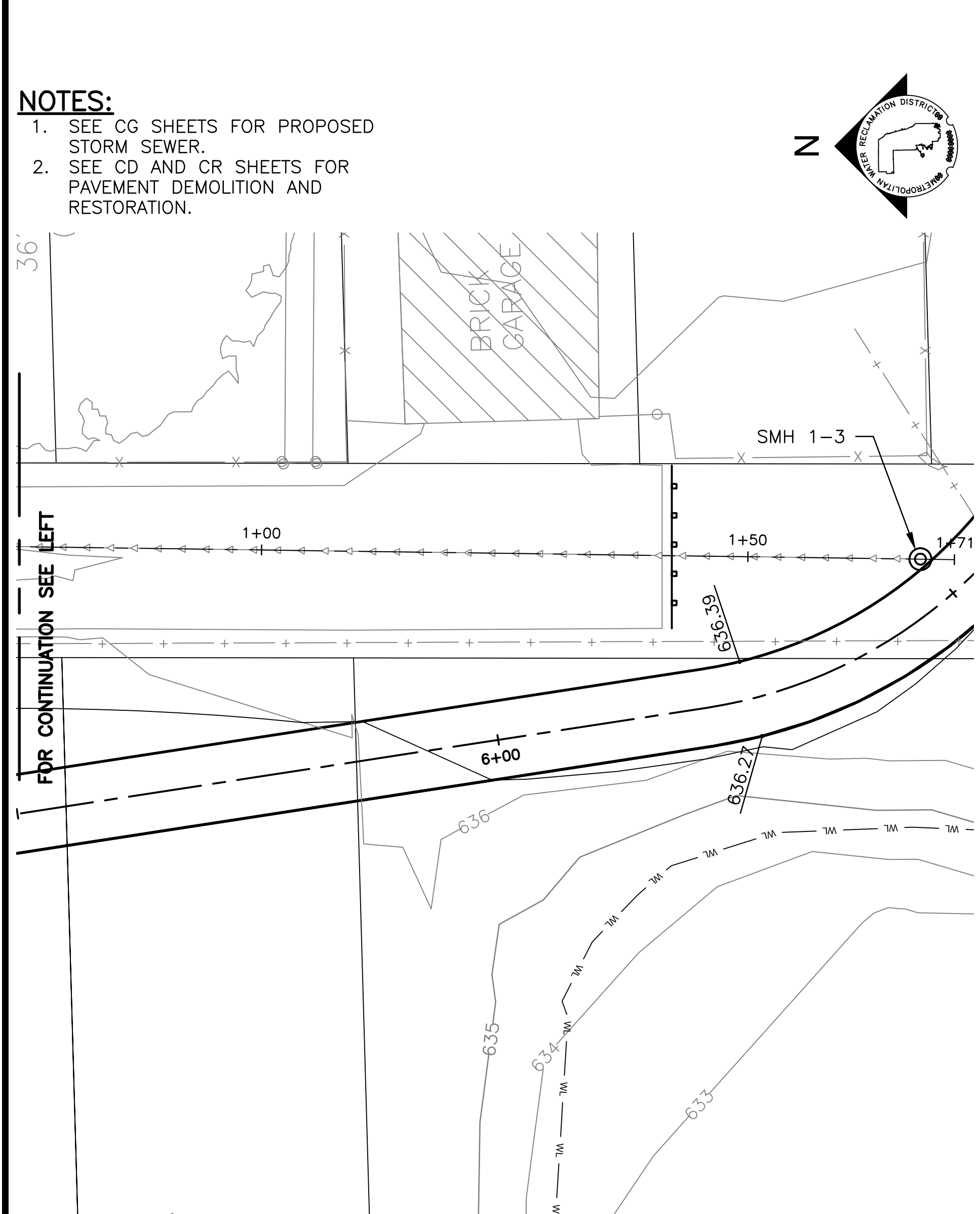
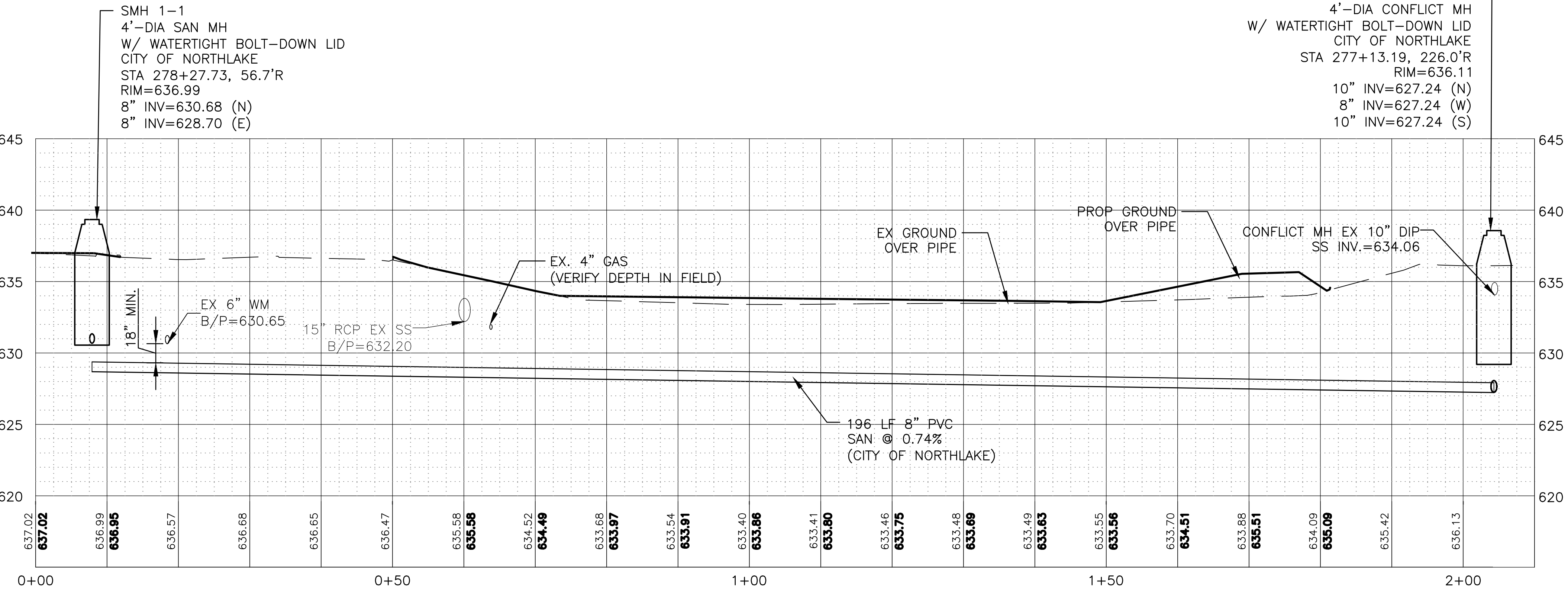
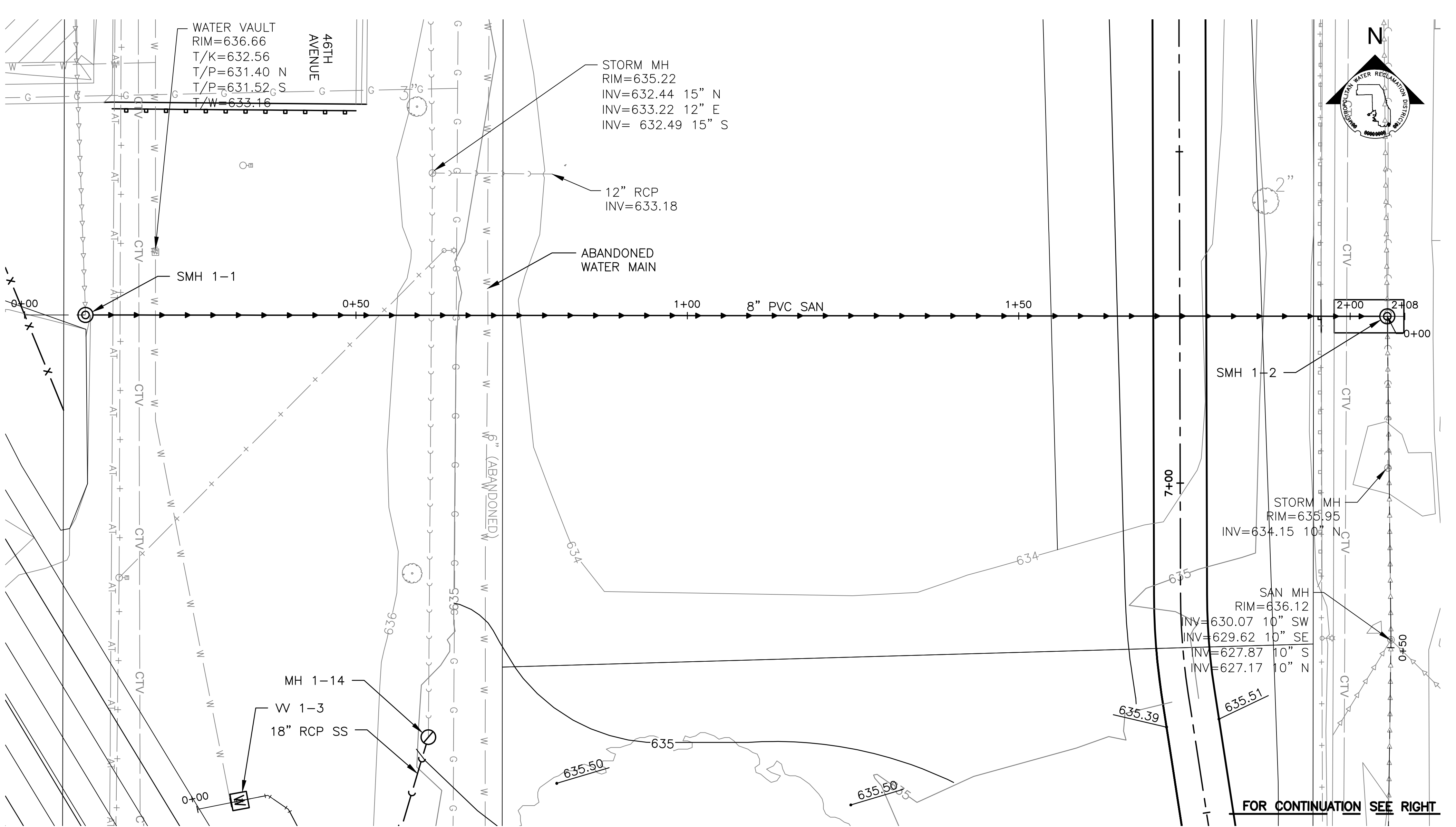
2022

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Hon. Barbara McGowan..... Vice-President
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Beverly Sanders..... Director of Human Resources
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NOTES:
 1. SEE CG SHEETS FOR PROPOSED STORM SEWER.
 2. SEE CD AND CR SHEETS FOR PAVEMENT DEMOLITION AND RESTORATION.

Rev.	Description	Appr.	Date

METROPOLITAN WATER RECLAMATION DISTRICT OF GREATER CHICAGO

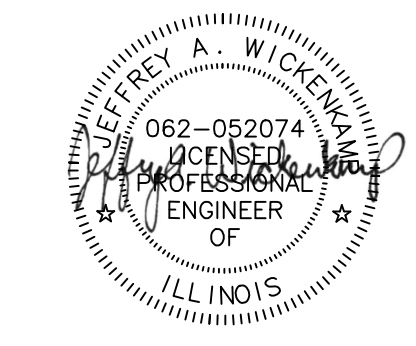
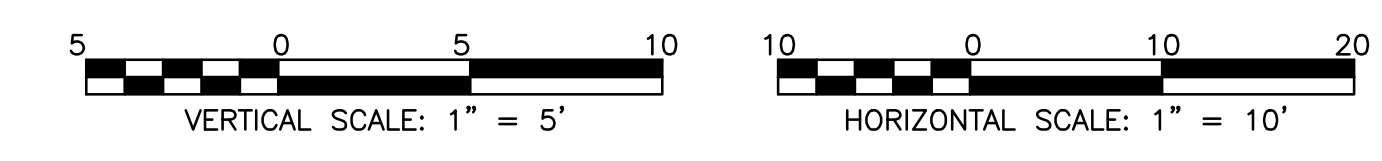
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 Correct: JAW

Scale: AS SHOWN
 Date: 2022

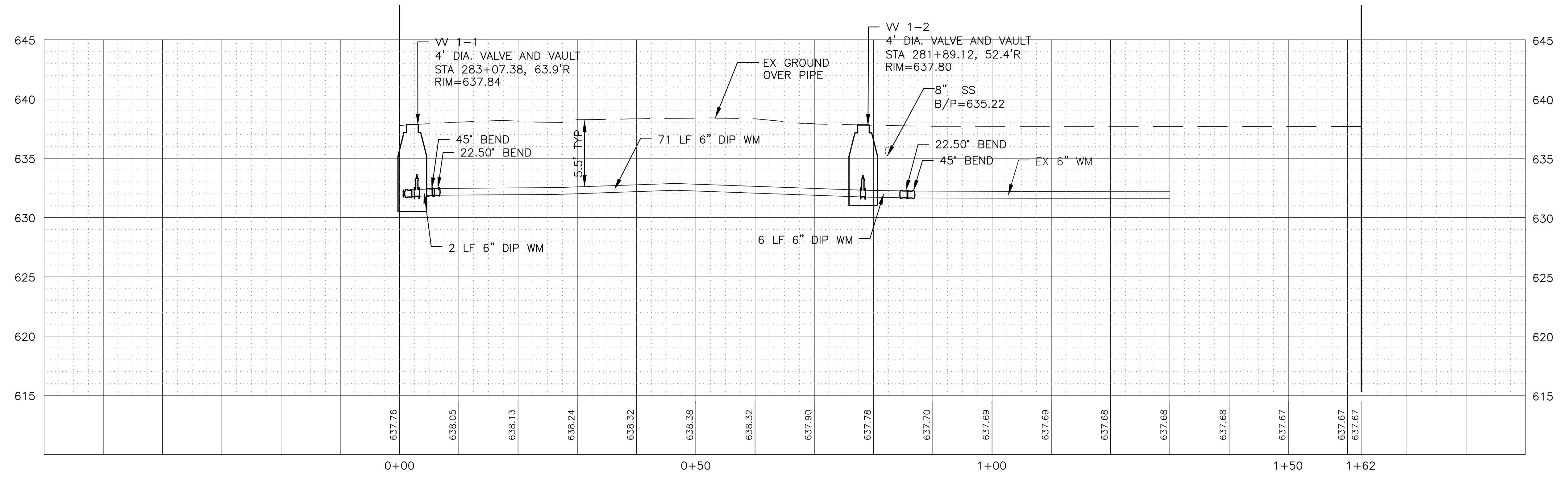
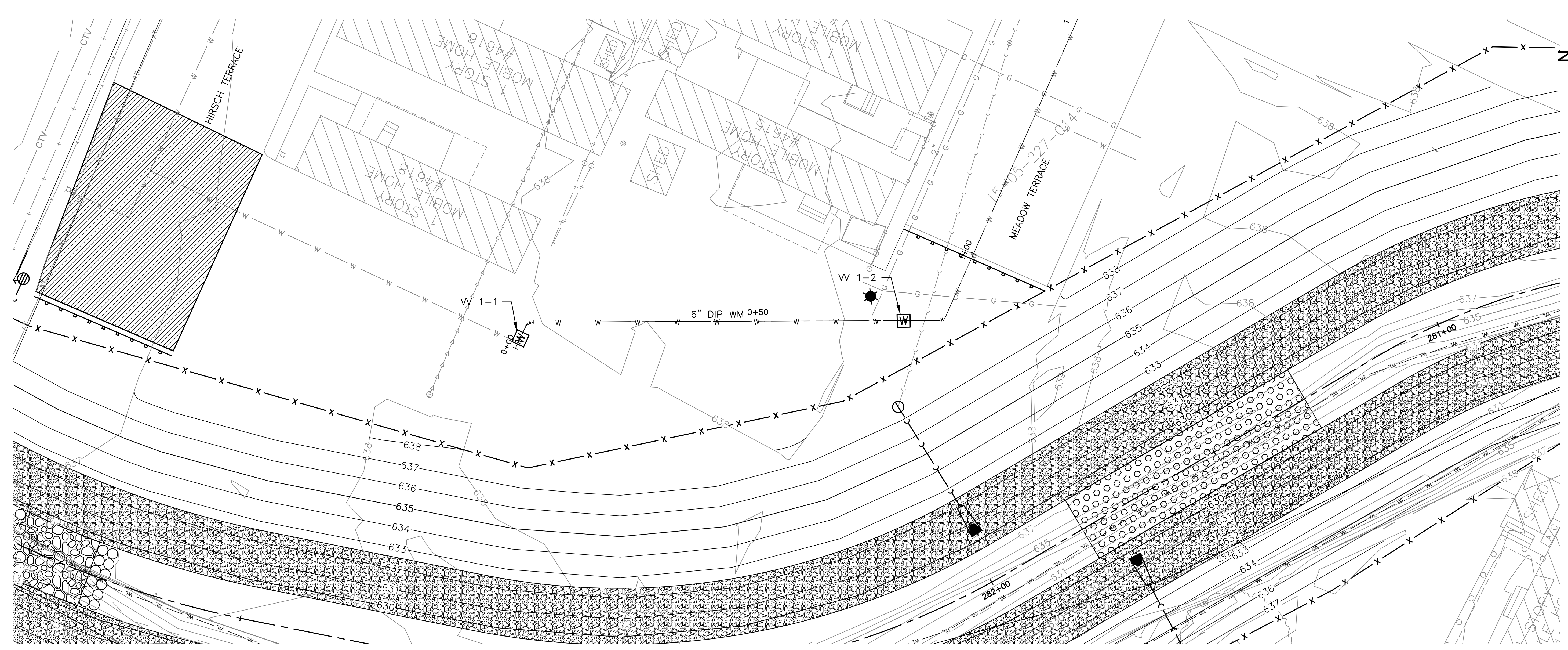
Hey and Associates, Inc.
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 8755 WEST HIGGINS ROAD, SUITE 835
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 OFFICE (773) 699-2000
 MOBILE (773) 699-2000
 CHICAGO@HEYANDASSOCIATES.COM
 ILLINOIS LICENSE NO. 184042829

CONTRACT 11-187-3F
 ADDISON CREEK CHANNEL IMPROVEMENTS

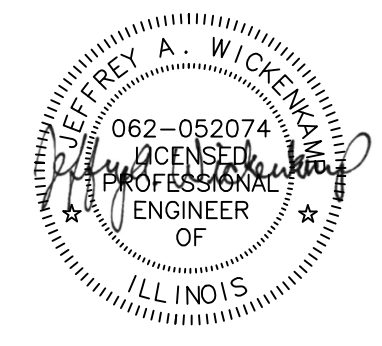
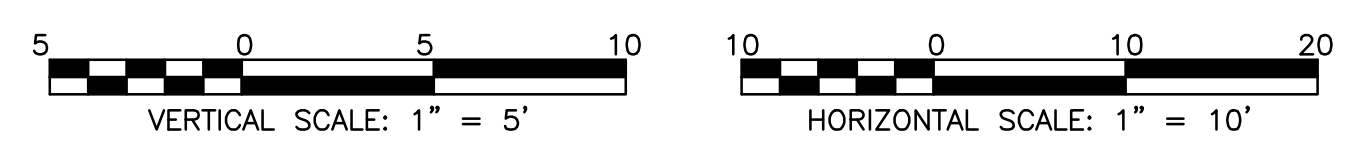
UTILITY PLAN - SAN. SEWER - REACH 1
 46TH AVE TO 46TH PL



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- NOTES:**
- SEE CG SHEETS FOR PROPOSED STORM SEWER.
 - SEE CD AND CR SHEETS FOR PAVEMENT DEMOLITION AND RESTORATION.



Rev.	Description	Appr.	Date

METROPOLITAN WATER RECLAMATION DISTRICT OF GREATER CHICAGO

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 Checked by: PML
 Drawn by: TCT
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Scale: AS SHOWN
 Date: 2022

Reviewed by: JAW

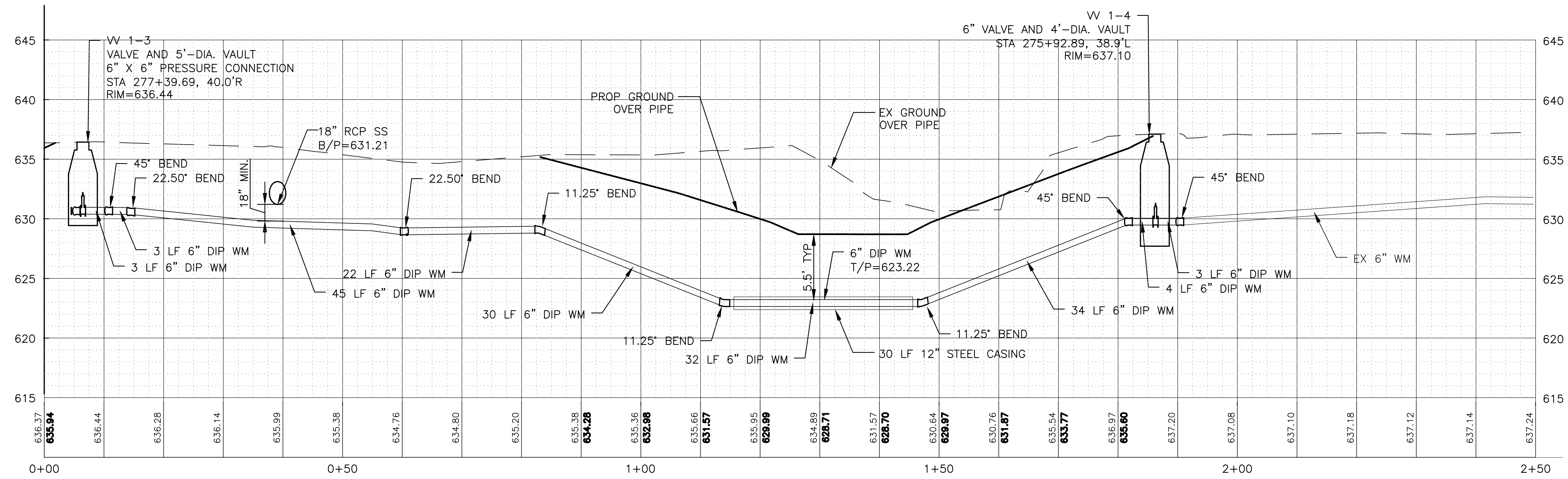
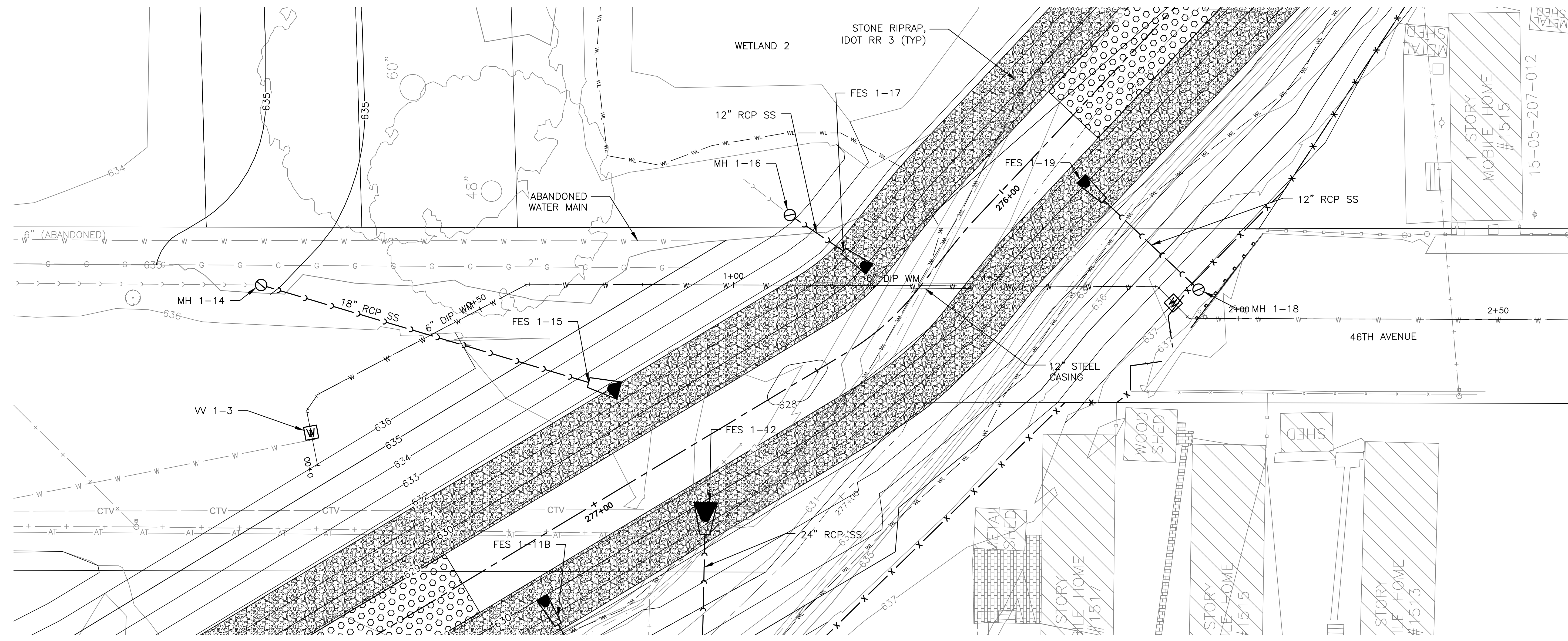
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CONTRACT 11-187-3F
 ADDISON CREEK CHANNEL IMPROVEMENTS

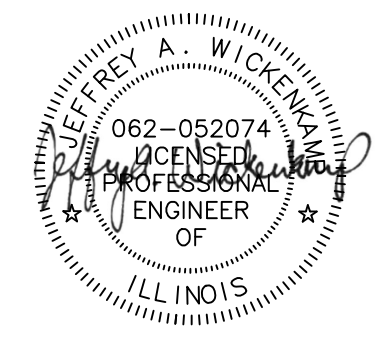
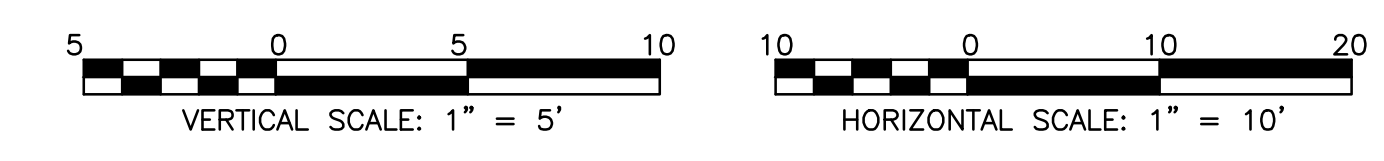
UTILITY PLAN - WATER MAIN - REACH 1
 MEADOWCREEK

Sheet Number:
CU-102
 Page Number: 273

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- NOTES:**
1. CONTRACTOR MAY PROPOSE TO DIRECTIONAL BORE WATER MAIN WITH CASING PIPE UNDER ADDISON CREEK IN LIEU OF OPEN CUT INSTALLATION. CONTRACTOR TO COORDINATE WITH ENGINEER.
 2. SEE CG SHEETS FOR PROPOSED STORM SEWER.
 3. SEE CD AND CR SHEETS FOR PAVEMENT DEMOLITION AND RESTORATION.



Rev.	Description	Appr.	Date

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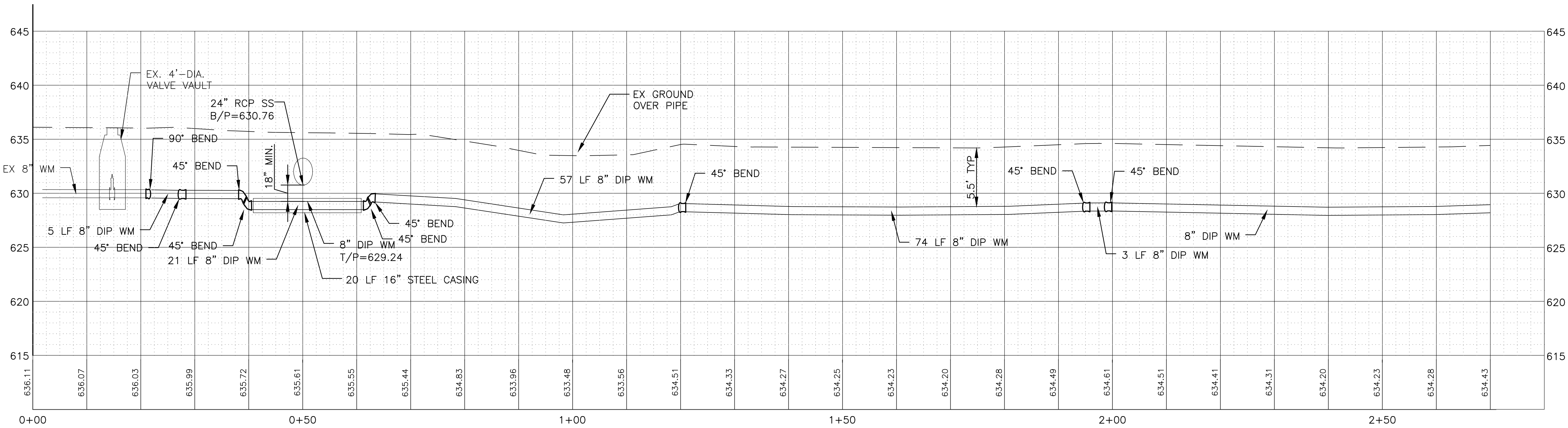
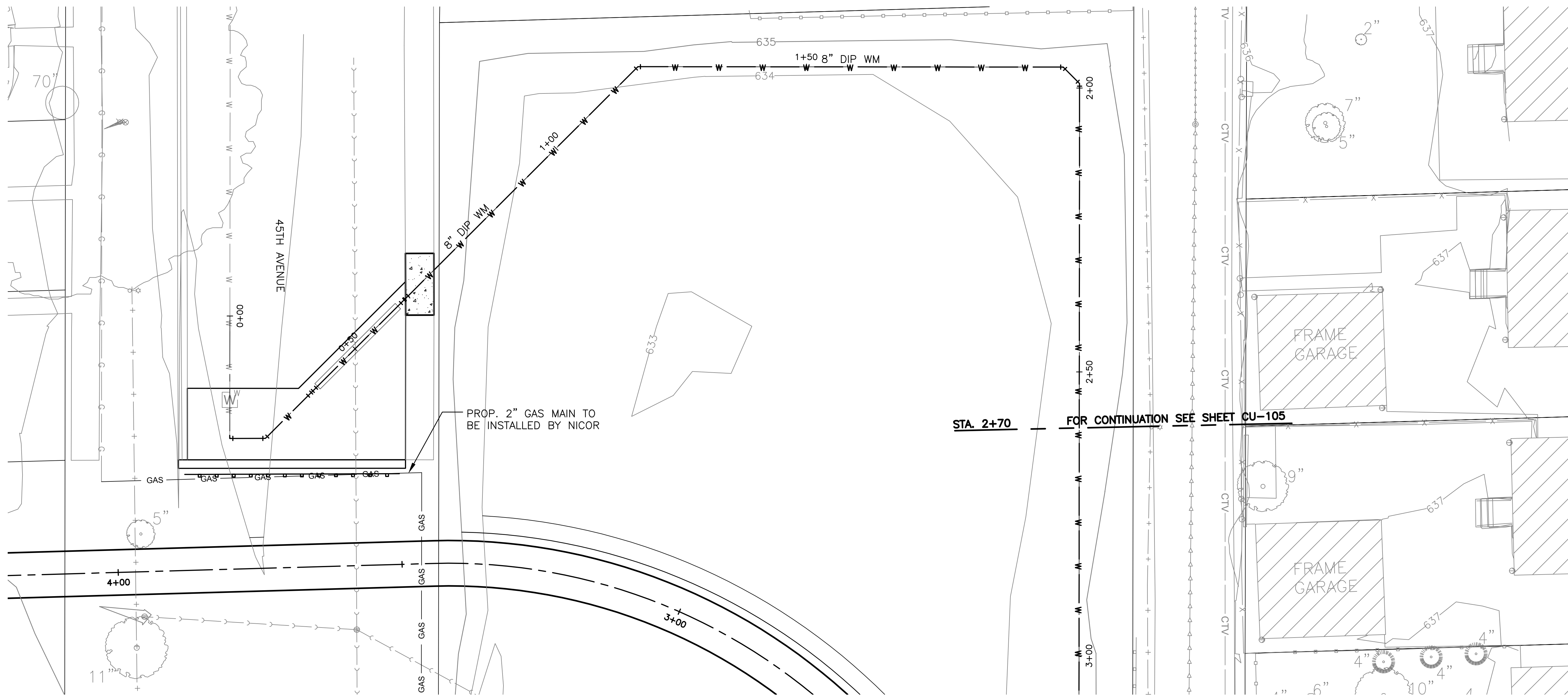
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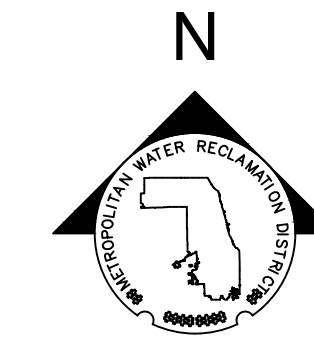
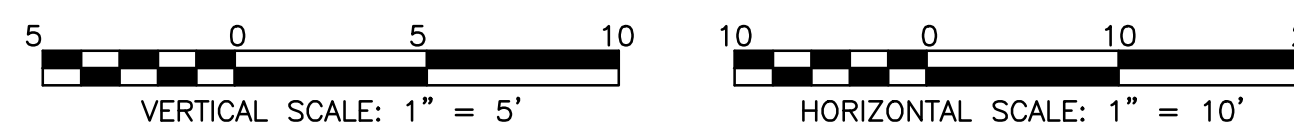
CONTRACT 11-187-3F
 ADDISON CREEK CHANNEL IMPROVEMENTS

UTILITY PLAN - WATER MAIN - REACH 1
 46TH AVE CREEK CROSSING

Sheet Number:
CU-103
 Page Number: 274



- NOTES:**
- SEE CG SHEETS FOR PROPOSED STORM SEWER.
 - SEE CD AND CR SHEETS FOR PAVEMENT DEMOLITION AND RESTORATION.



Rev.	Description	Appr.	Date

**METROPOLITAN WATER RECLAMATION DISTRICT
OF GREATER CHICAGO**

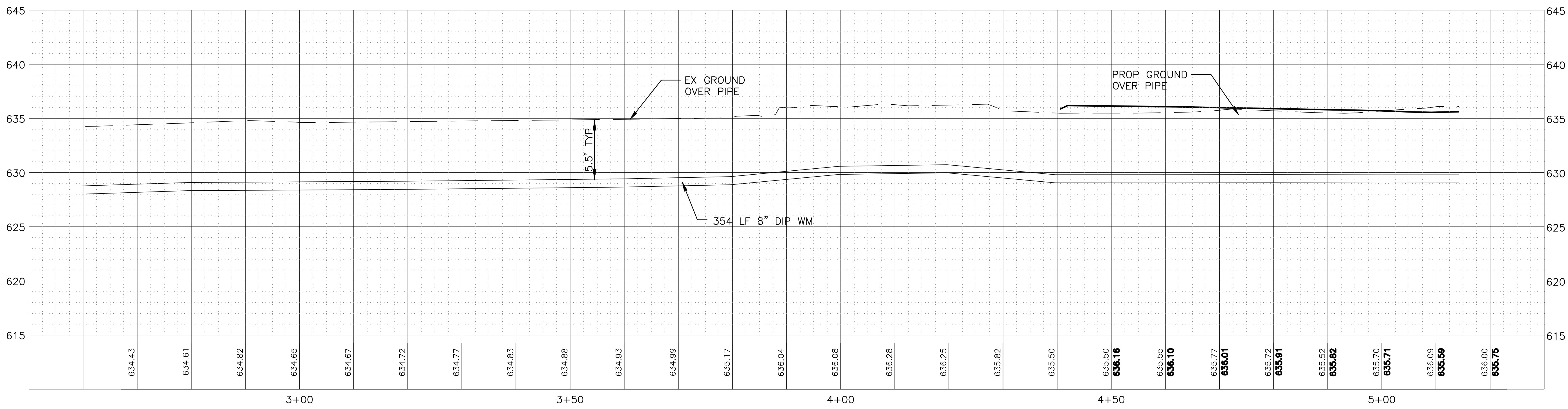
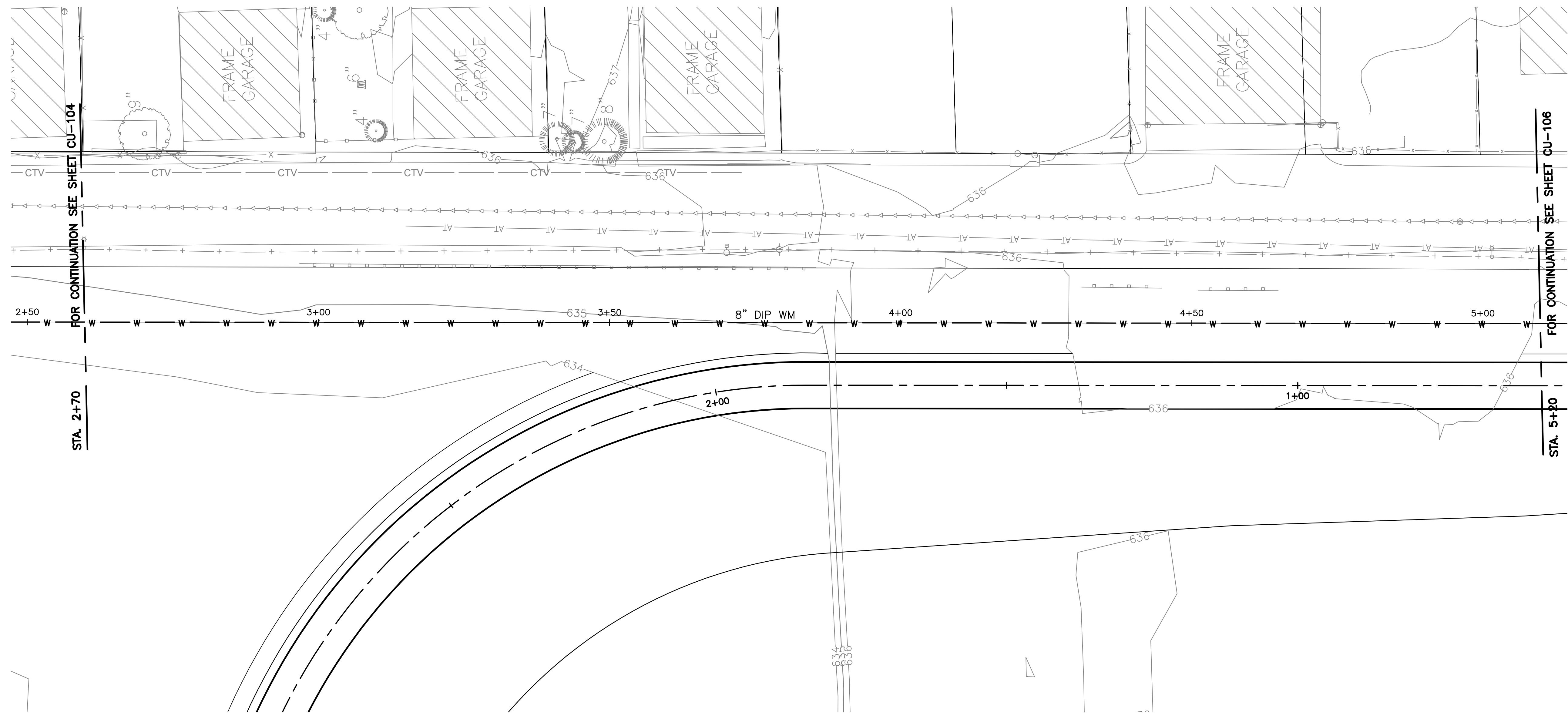
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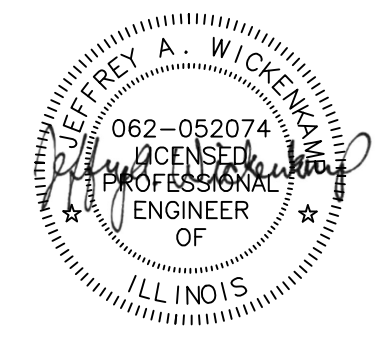
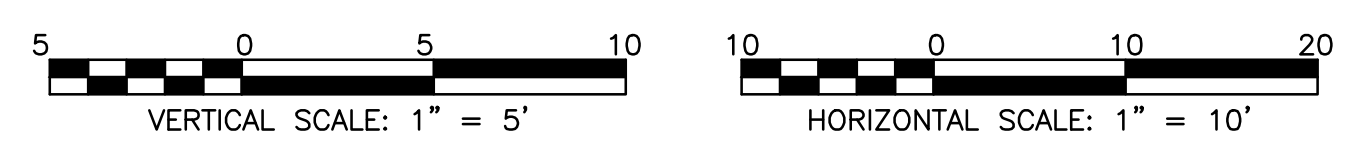
CONTRACT 11-187-3F
ADDISON CREEK CHANNEL IMPROVEMENTS

UTILITY PLAN - WATER MAIN - REACH 1
NORTHLAKE TRAIL AREA

Sheet Number:
CU-104
Page Number: 275



- NOTES:**
- SEE CG SHEETS FOR PROPOSED STORM SEWER.
 - SEE CD AND CR SHEETS FOR PAVEMENT DEMOLITION AND RESTORATION.



Rev.	Description	Appr.	Date

METROPOLITAN WATER RECLAMATION DISTRICT OF GREATER CHICAGO

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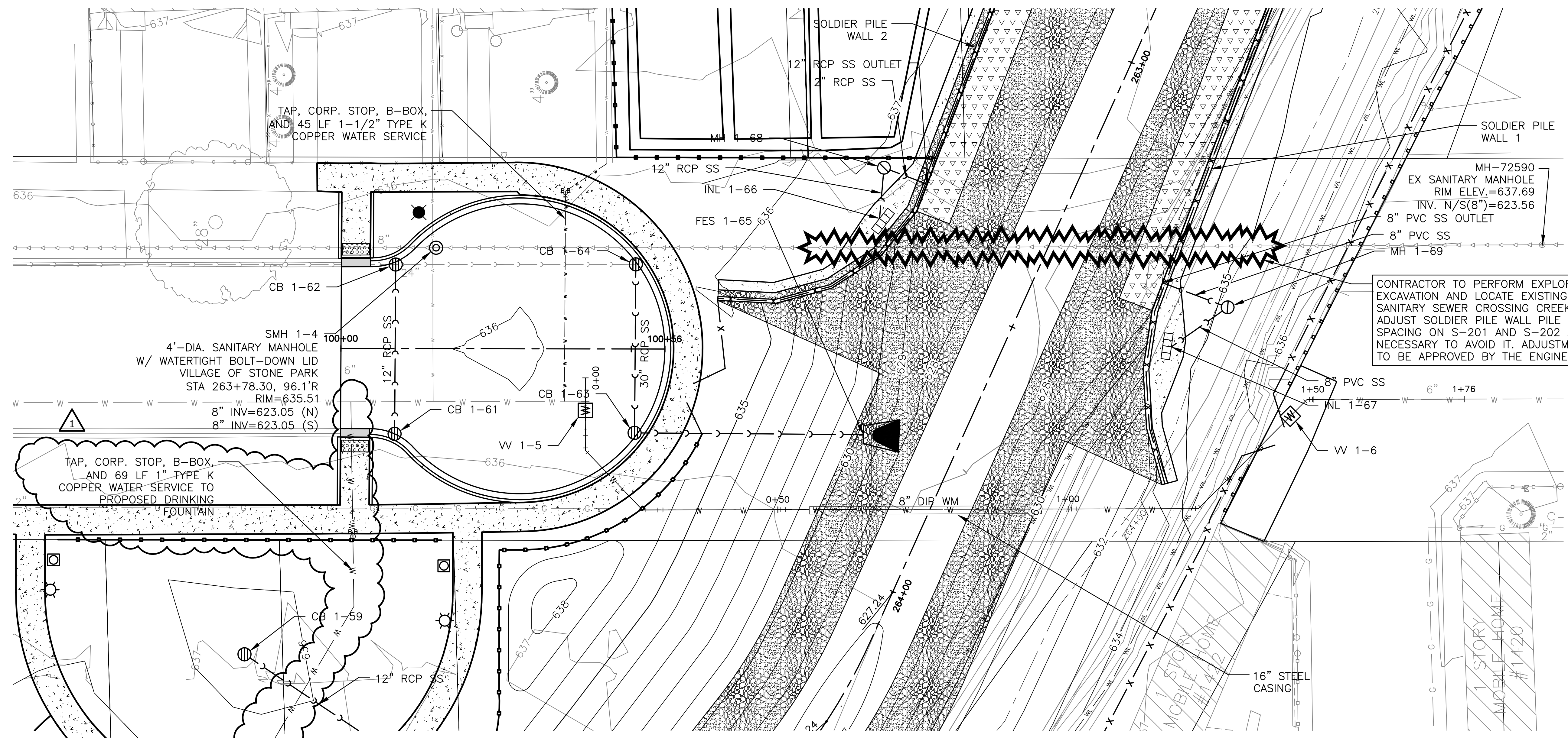
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SCALE: AS SHOWN
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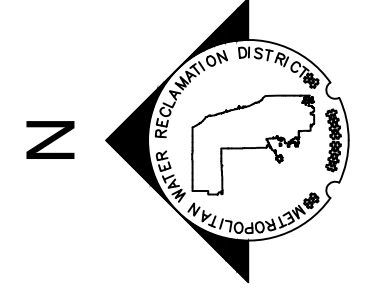
CONTRACT 11-187-3F
 ADDISON CREEK CHANNEL IMPROVEMENTS

UTILITY PLAN - WATER MAIN - REACH 1
 NORTHLAKE TRAIL AREA

Sheet Number:
CU-105
 Page Number: 276



CONTRACTOR TO PERFORM EXPLORATORY EXCAVATION AND LOCATE EXISTING SANITARY SEWER CROSSING CREEK AND ADJUST SOLDIER PILE WALL PILE SPACING ON S-201 AND S-202 AS NECESSARY TO AVOID IT. ADJUSTMENTS TO BE APPROVED BY THE ENGINEER.



Rev.	Description	Appr.	Date
1	ADDENDUM NO. 2	JAW	01/06/23

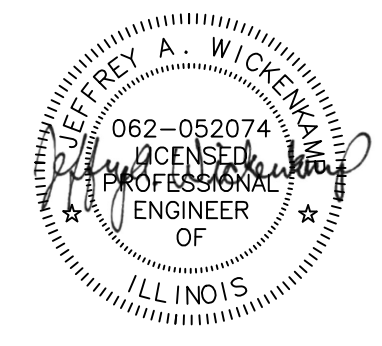
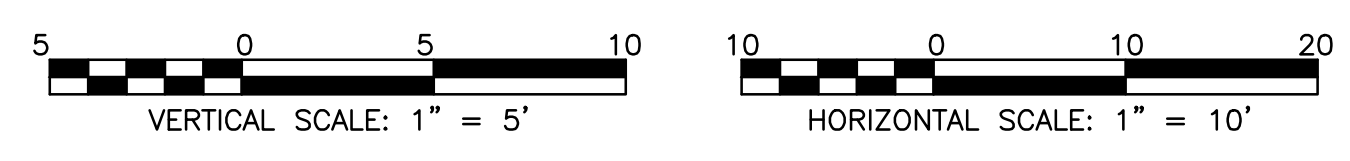
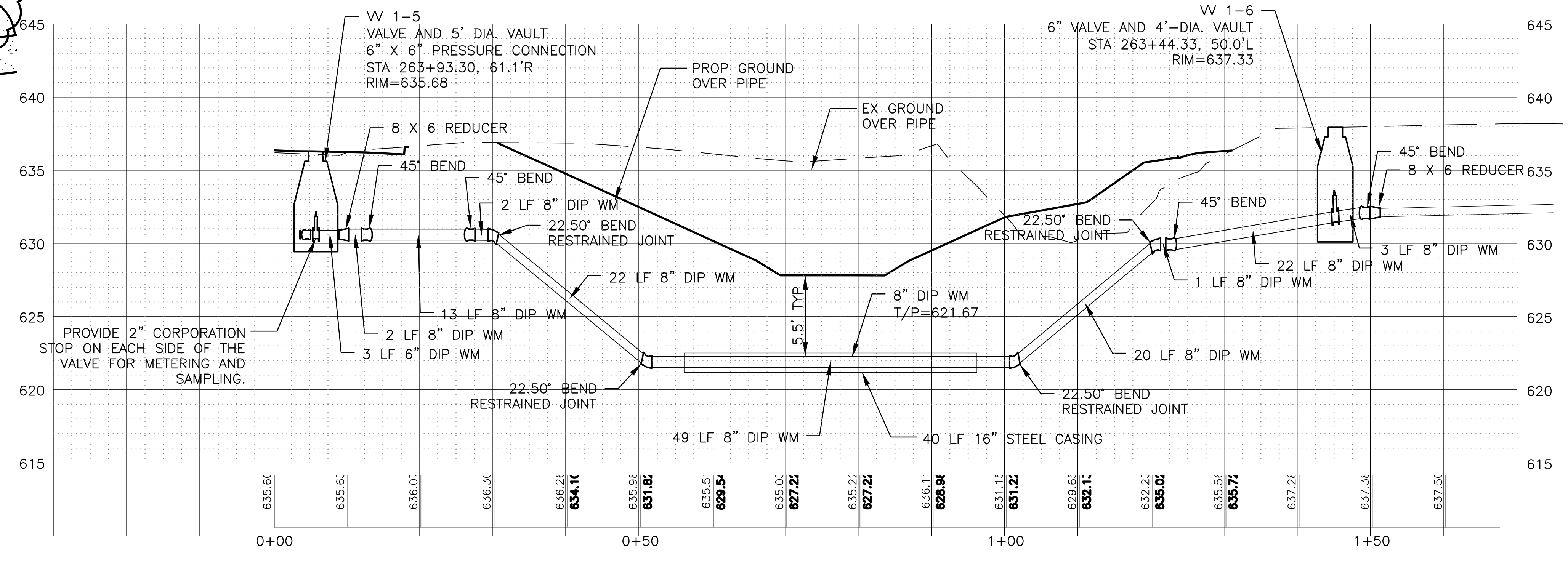
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 PROFESSIONAL DESIGN FIRM
 LICENSE NO. 18400289

- NOTES:**
- CONTRACTOR MAY PROPOSE TO DIRECTIONAL BORE WATER MAIN WITH CASING PIPE UNDER ADDISON CREEK IN LIEU OF OPEN CUT INSTALLATION. CONTRACTOR TO COORDINATE WITH ENGINEER.
 - SEE CG SHEETS FOR PROPOSED STORM SEWER.
 - SEE CD AND CR SHEETS FOR PAVEMENT DEMOLITION AND RESTORATION.

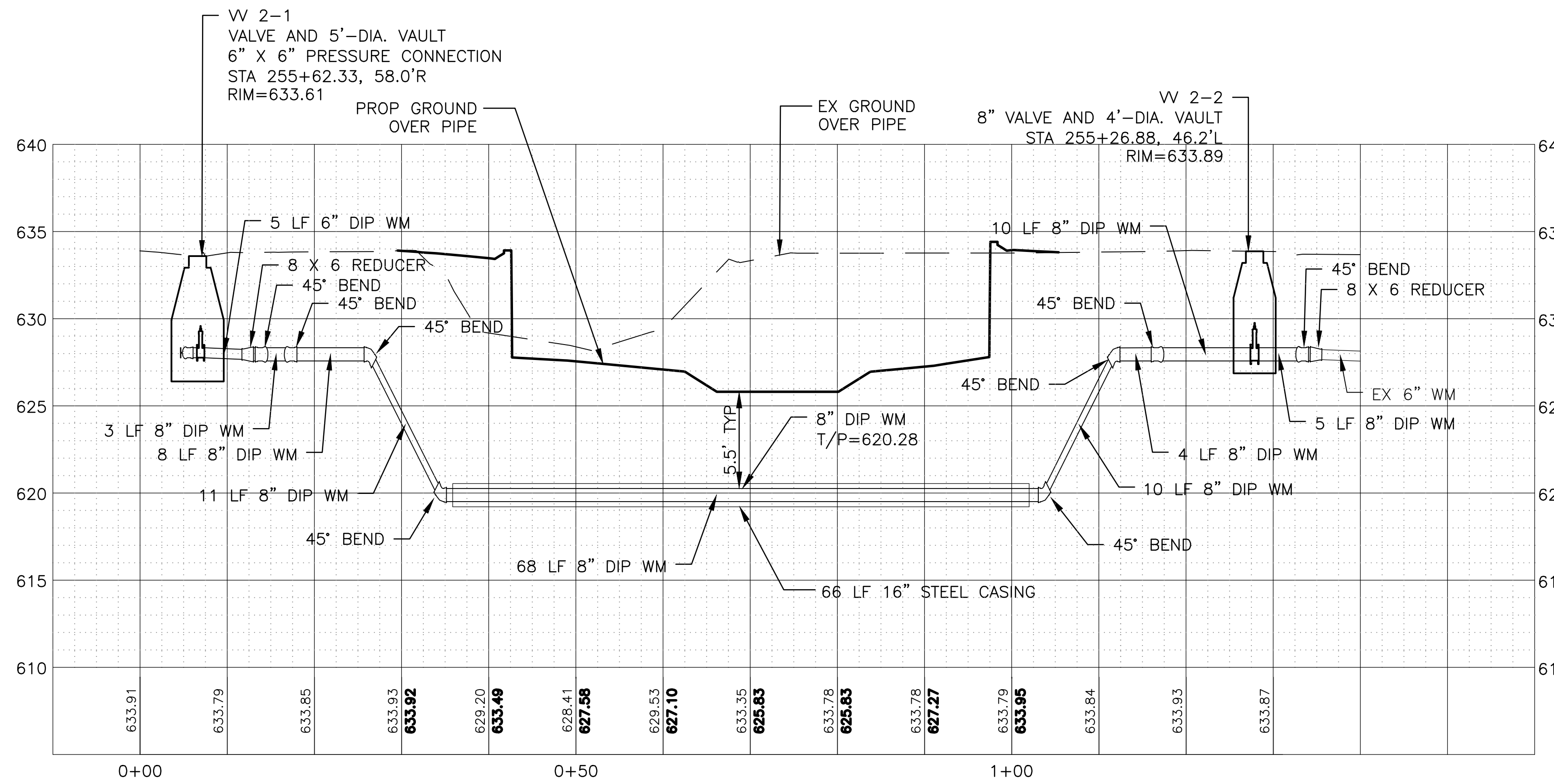


CONTRACT 11-187-3F
 ADDISON CREEK CHANNEL IMPROVEMENTS

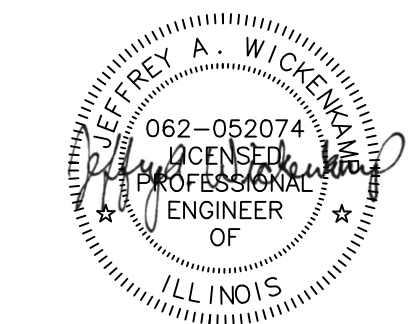
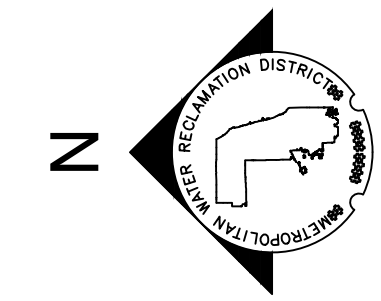
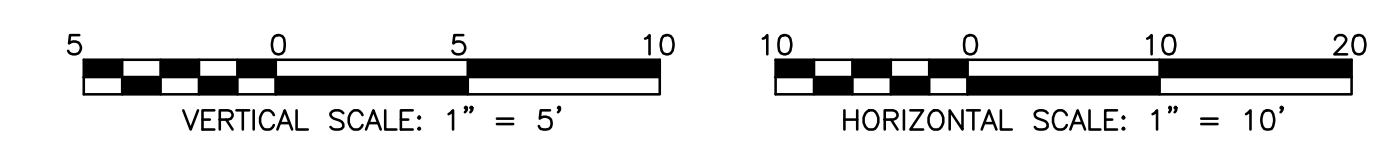
UTILITY PLAN - WATER MAIN - REACH 1
 STA. 264+00 TO STA. 263+50

Sheet Number:
CU-107

Page Number: 278



- NOTES:**
1. CONTRACTOR MAY PROPOSE TO DIRECTIONAL BORE WATER MAIN WITH CASING PIPE UNDER ADDISON CREEK IN LIEU OF OPEN CUT INSTALLATION. CONTRACTOR TO COORDINATE WITH ENGINEER.
 2. SEE CG SHEETS FOR PROPOSED STORM SEWER.
 3. SEE CD AND CR SHEETS FOR PAVEMENT DEMOLITION AND RESTORATION.



Rev.	Description	Appr.	Date

METROPOLITAN WATER RECLAMATION DISTRICT OF GREATER CHICAGO

Designed by: TCT
 Checked by: PML
 Drawn by: KSS
 Correct: JAW

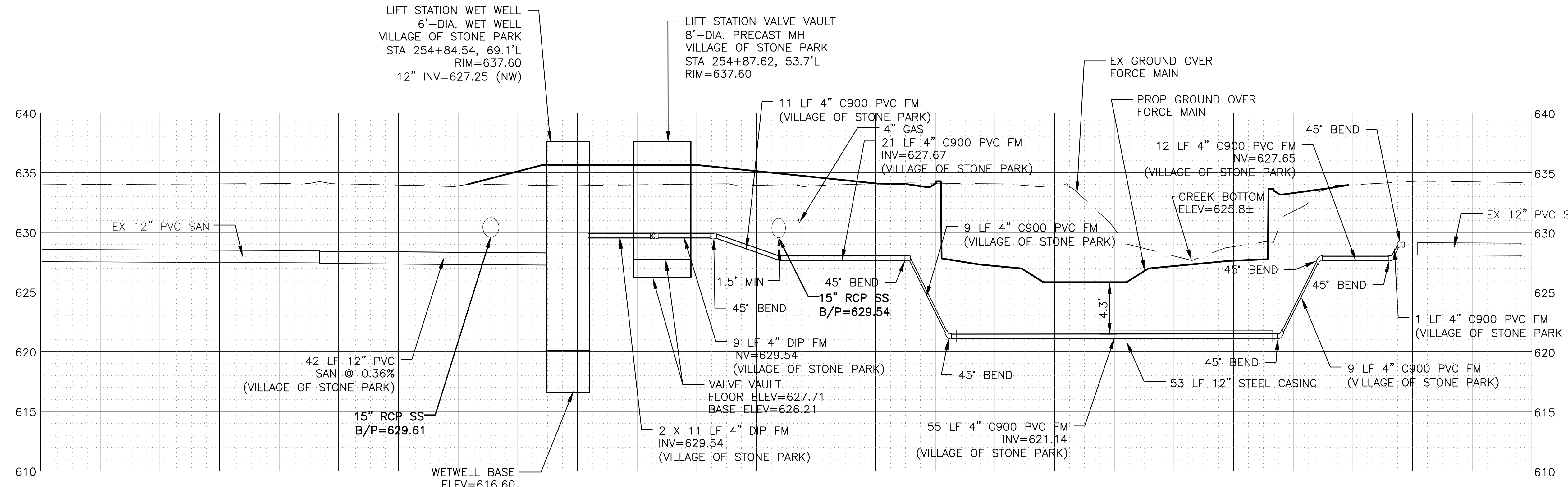
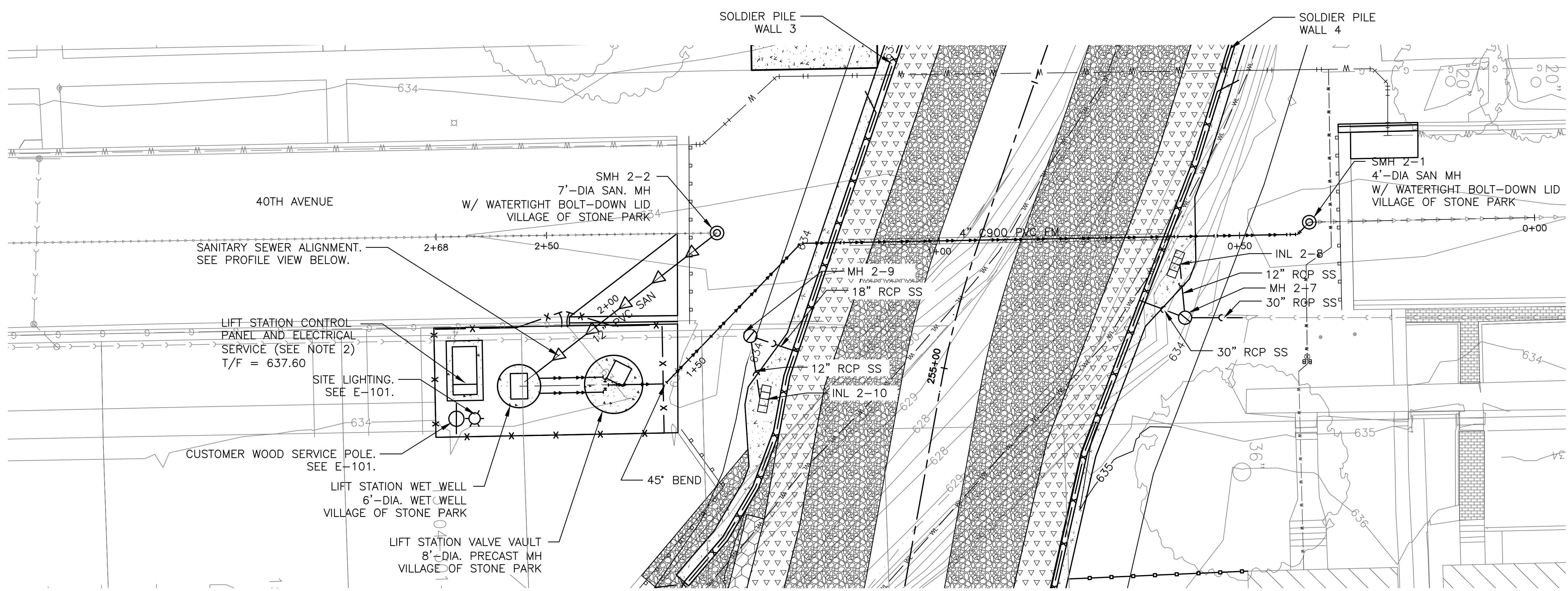
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 CHICAGO: (773) 699-9200
 CHICAGO@HEYASKE.COM
 LICENSE NO. 184002829

CONTRACT 11-187-3F
 ADDISON CREEK CHANNEL IMPROVEMENTS

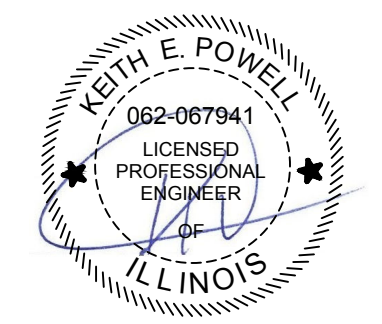
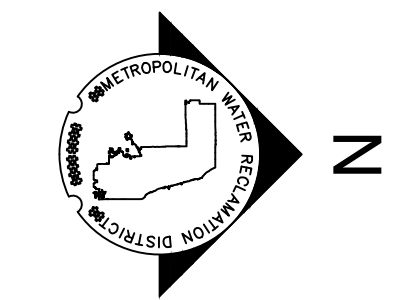
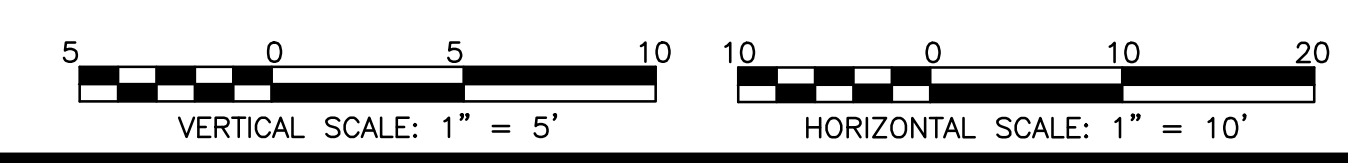
UTILITY PLAN - WATER MAIN - REACH 2
 STA. 255+50 TO STA. 255+00

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 PLOT DATE: 10/24/2022 12:13 PM PLOTTED BY: KYLE SOLNER



PROFILE VIEW OF SANITARY SEWER ALIGNMENT

- NOTES:**
1. PROVIDE THRUST BLOCKS AT ALL BENDS PER DETAIL 3 ON SHEET CU-501.
 2. PROVIDE CUSTOMER WOOD SERVICE POLE MATCHING REQUIREMENTS OF THE ELECTRIC UTILITY.
 3. REFER TO ELECTRICAL SHEETS FOR DETAILS.
 4. SEE CU-504 TO CU-506 FOR LIFT STATION DETAILS.
 5. SEE CR-106, CR-106A, AND CR-508.
 6. SEE CG-207 AND CG-408.



Rev.	Description	Appr.	Date

METROPOLITAN WATER RECLAMATION DISTRICT OF GREATER CHICAGO

Contract 11-187-3F
 ADDISON CREEK CHANNEL IMPROVEMENTS

Utility Plan - San. Sewer - Reach 2
 STA. 255+50 TO STA. 255+00

Engineering Enterprises, Inc.
 Consulting Engineers
 92 Wheeler Road
 Sugar Grove, Illinois 60554
 630.466.6700
 www.eeiweb.com
 ILLINOIS PROFESSIONAL ENGINEER
 LIC. # 184-022003

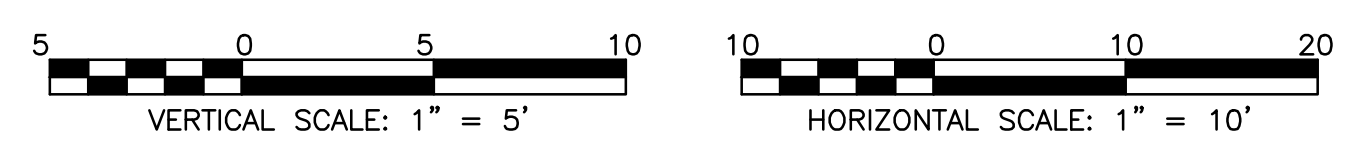
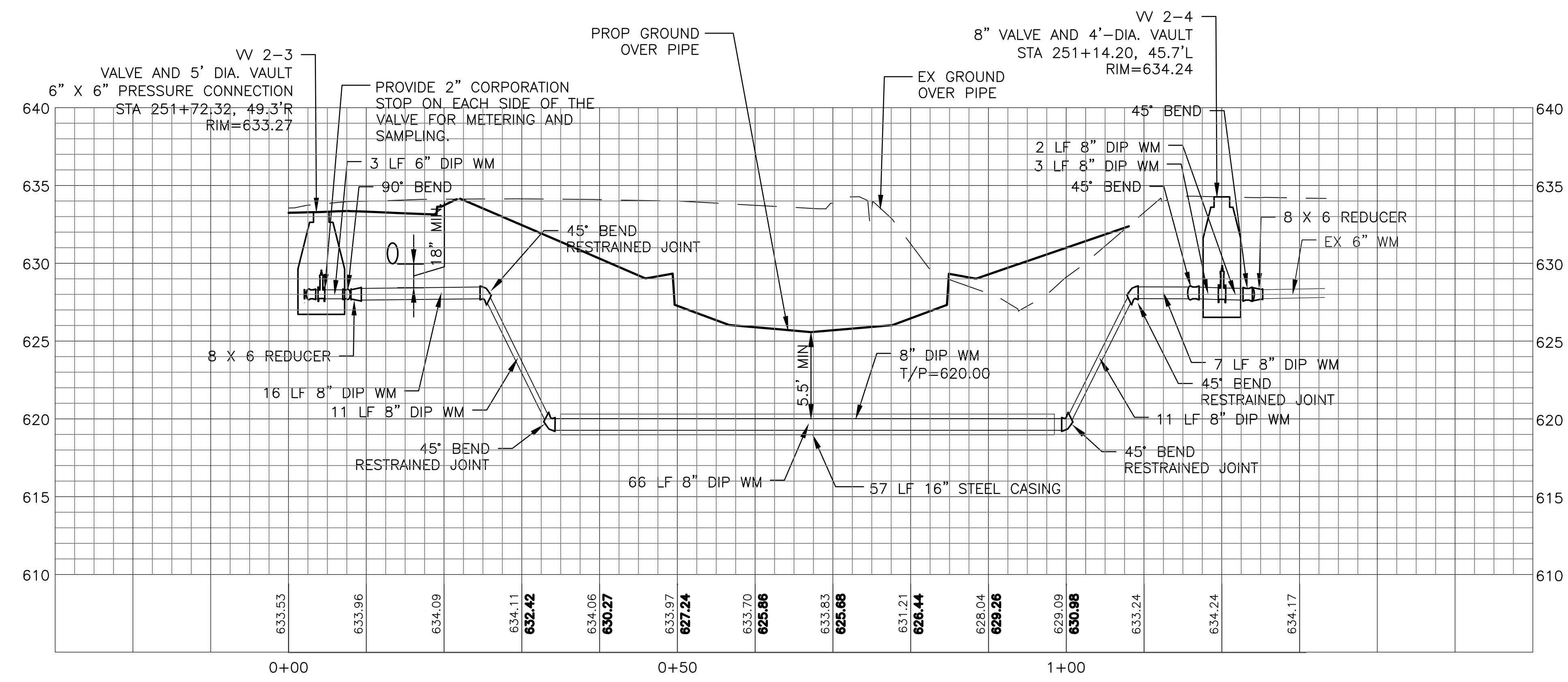
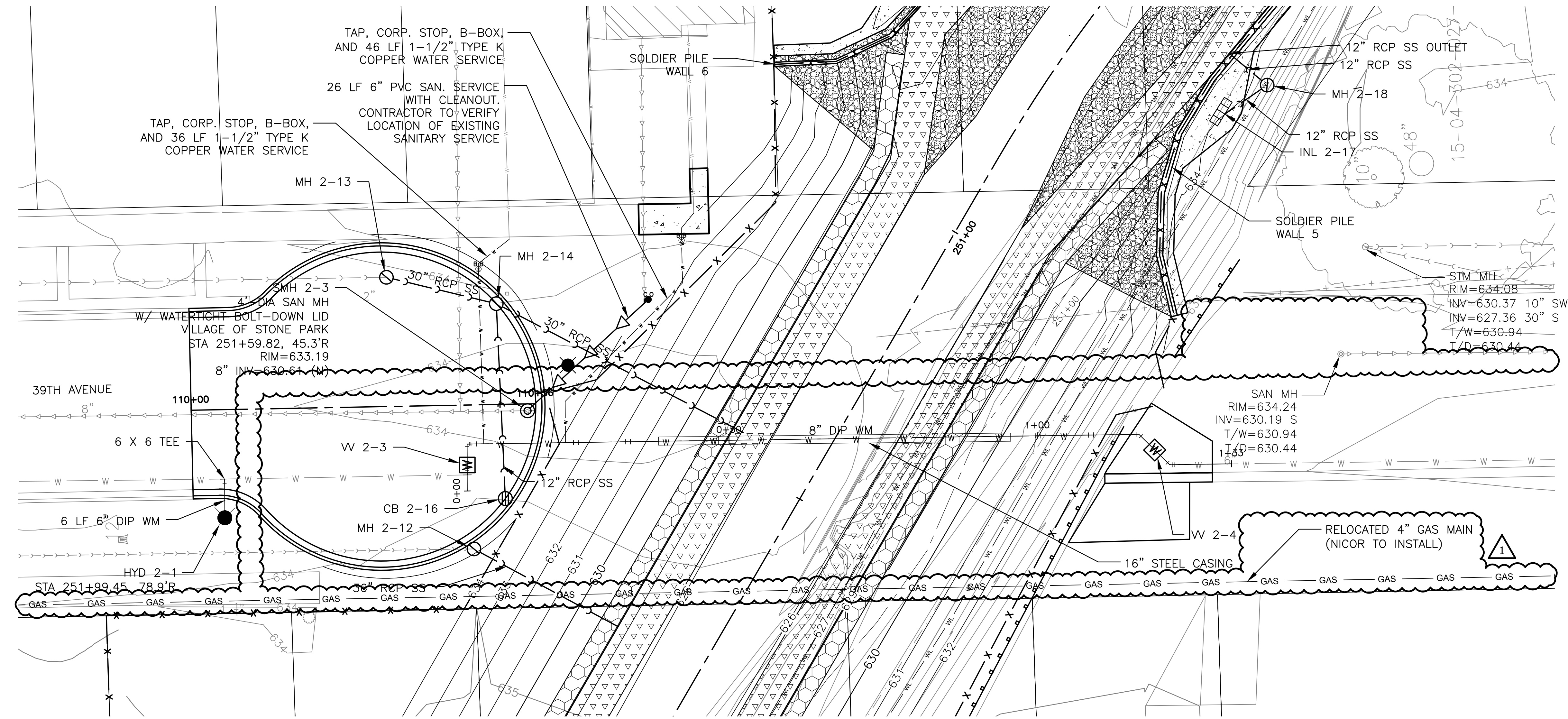
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Sheet Number:
CU-109

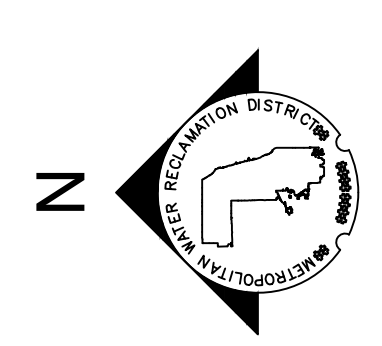
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- NOTES:**
- CONTRACTOR MAY PROPOSE TO DIRECTIONAL BORE WATER MAIN WITH CASING PIPE UNDER ADDISON CREEK IN LIEU OF OPEN CUT INSTALLATION. CONTRACTOR TO COORDINATE WITH ENGINEER.
 - SEE CG SHEETS FOR PROPOSED STORM SEWER.
 - SEE CD AND CR SHEETS FOR PAVEMENT DEMOLITION AND RESTORATION.



Rev.	Description	Appr.	Date
1	ADDENDUM NO. 8	JAW	05/24/23

METROPOLITAN WATER RECLAMATION DISTRICT OF GREATER CHICAGO

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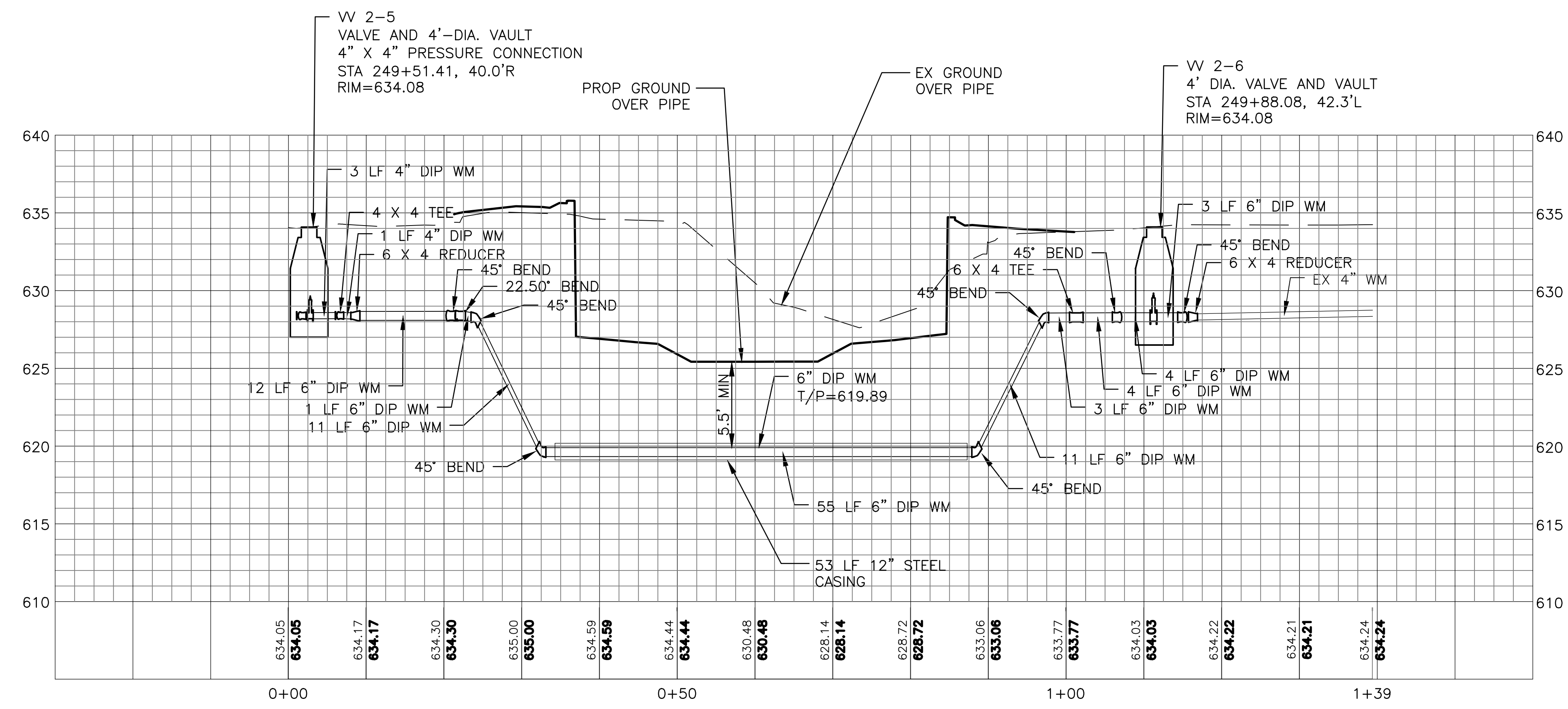
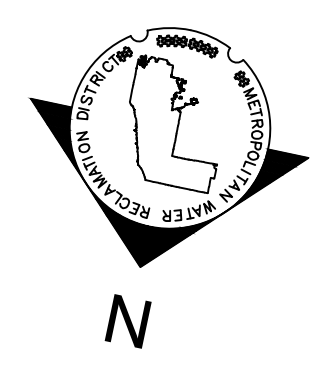
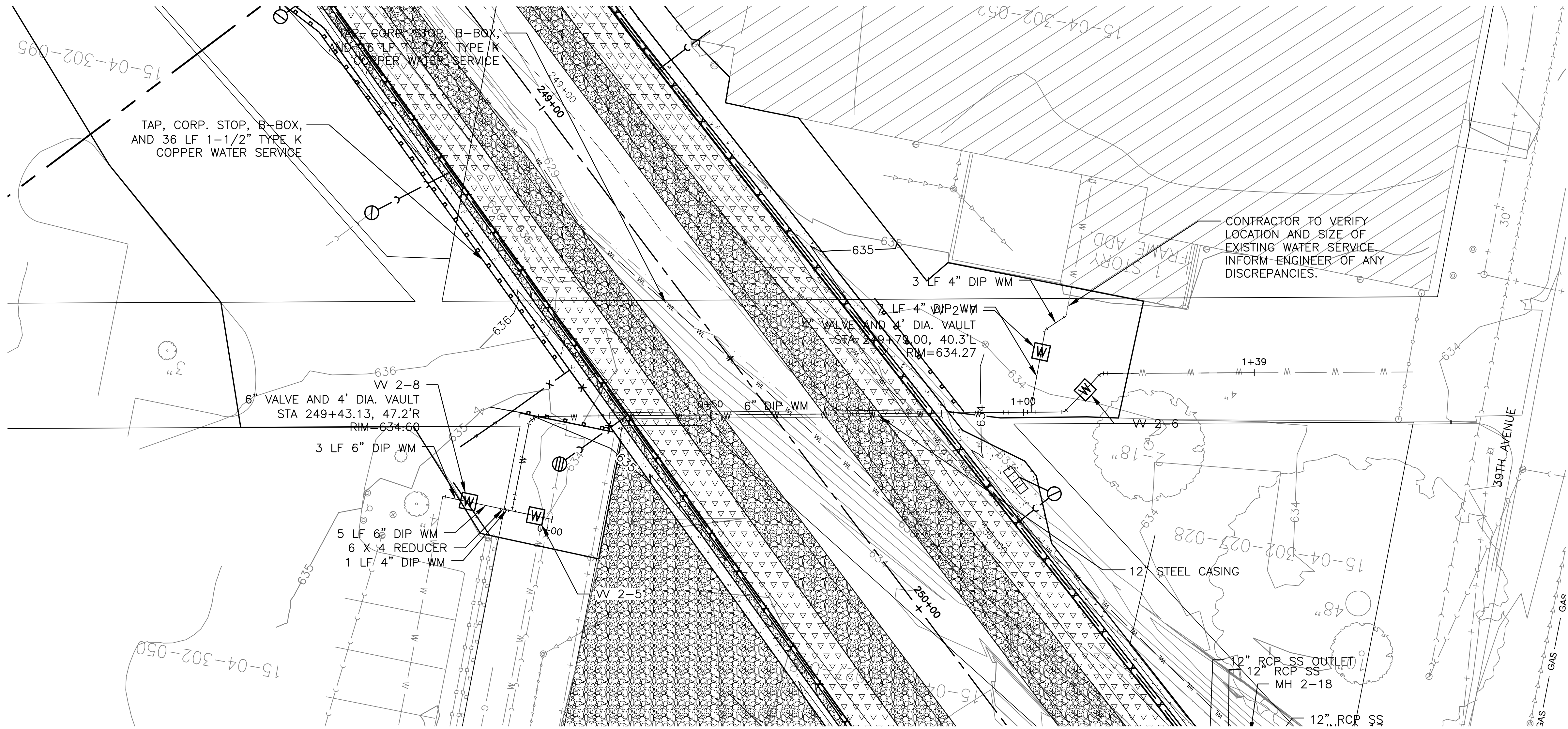
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Date: 2022

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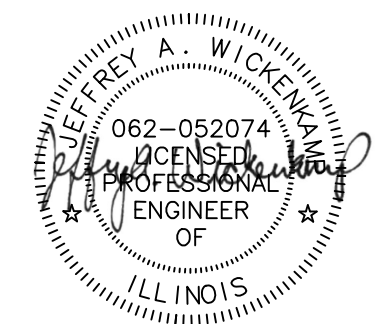
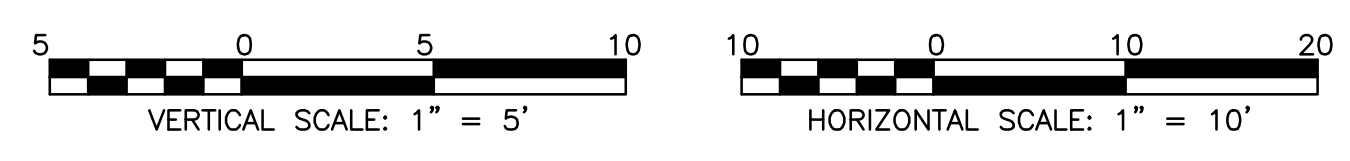
CONTRACT 11-187-3F
ADDISON CREEK CHANNEL IMPROVEMENTS

UTILITY PLAN - WATER MAIN - REACH 2
STA. 251+50 TO STA. 249+00

Sheet Number:
CU-110
Page Number: 281



- NOTES:**
- CONTRACTOR MAY PROPOSE TO DIRECTIONAL BORE WATER MAIN WITH CASING PIPE UNDER ADDISON CREEK IN LIEU OF OPEN CUT INSTALLATION. CONTRACTOR TO COORDINATE WITH ENGINEER.
 - SEE CG SHEETS FOR PROPOSED STORM SEWER.
 - SEE CD AND CR SHEETS FOR PAVEMENT DEMOLITION AND RESTORATION.



Rev.	Description	Appr.	Date

METROPOLITAN WATER RECLAMATION DISTRICT OF GREATER CHICAGO

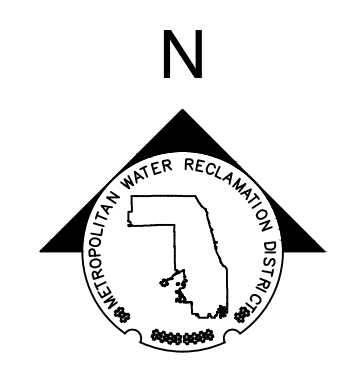
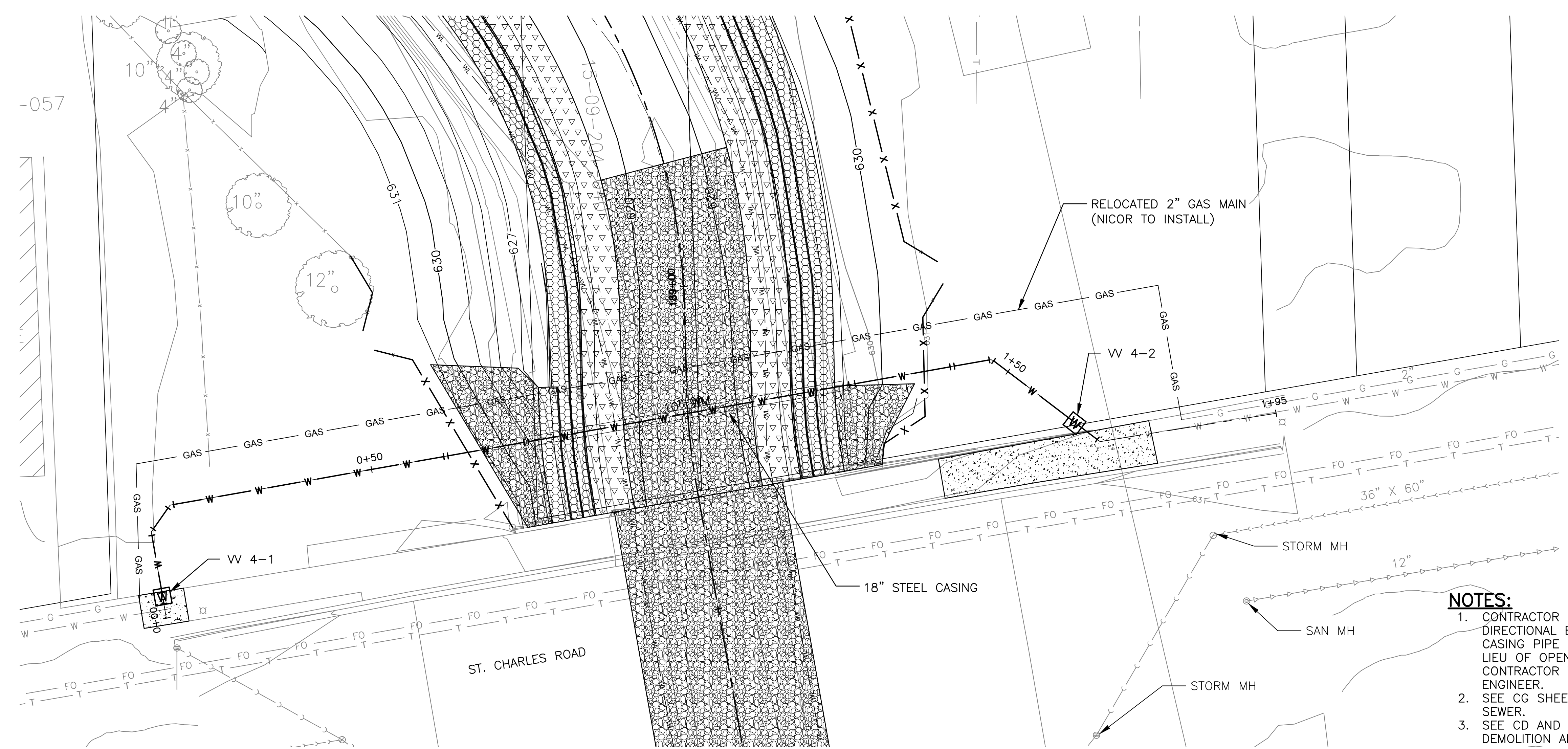
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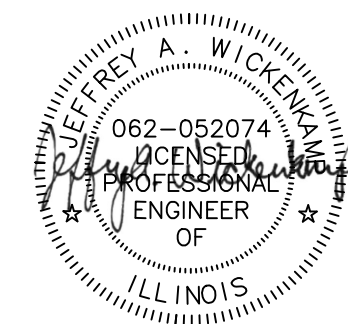
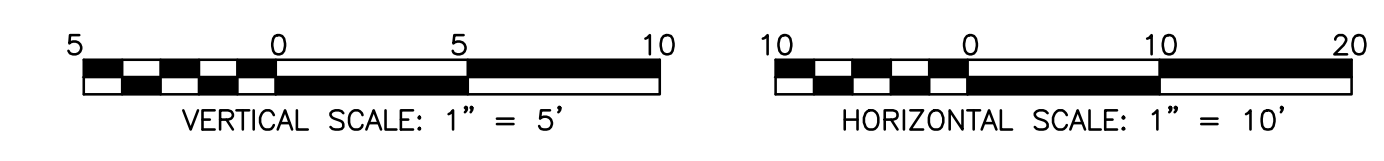
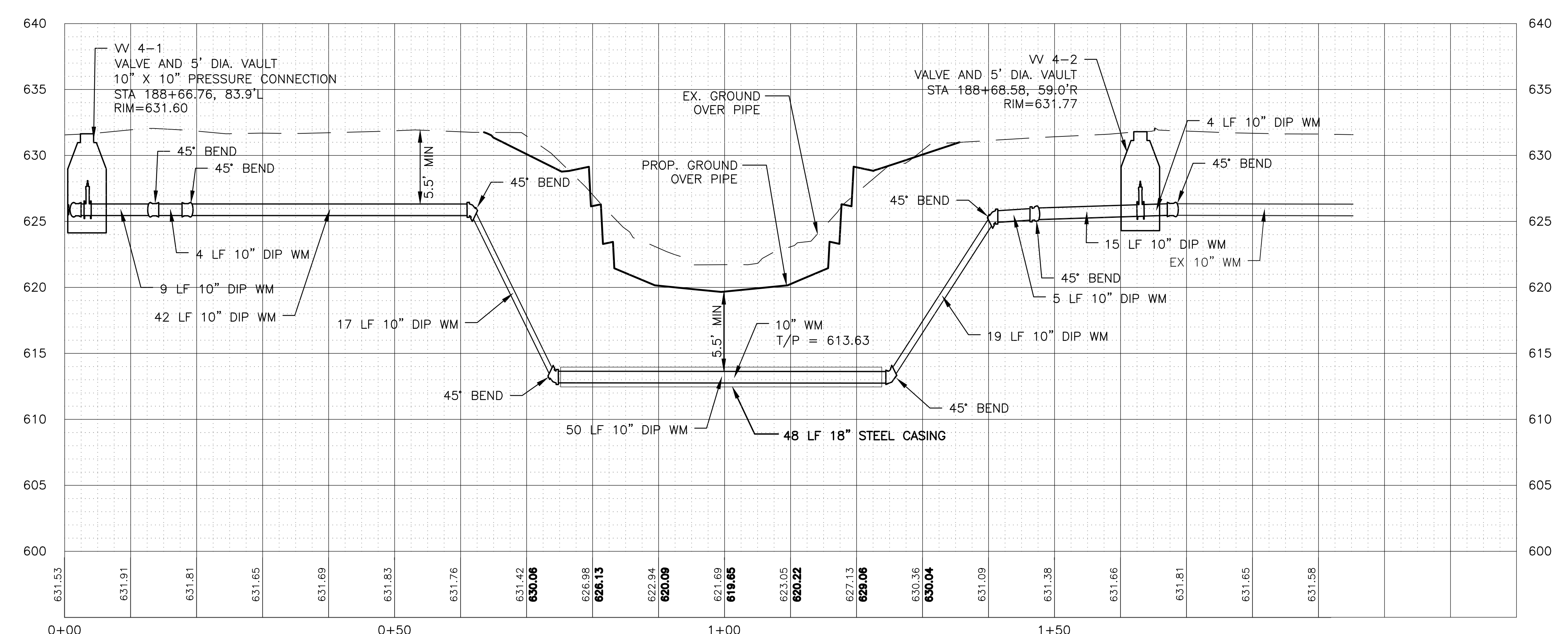
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CONTRACT 11-187-3F
 ADDISON CREEK CHANNEL IMPROVEMENTS

UTILITY PLAN - WATER MAIN - REACH 2
 STA. 249+40 TO STA. 249+55



- NOTES:**
1. CONTRACTOR MAY PROPOSE TO DIRECTIONAL BORE WATER MAIN WITH CASING PIPE UNDER ADDISON CREEK IN LIEU OF OPEN CUT INSTALLATION. CONTRACTOR TO COORDINATE WITH ENGINEER.
 2. SEE CG SHEETS FOR PROPOSED STORM SEWER.
 3. SEE CD AND CR SHEETS FOR PAVEMENT DEMOLITION AND RESTORATION.



Rev.	Description	Appr.	Date

METROPOLITAN WATER RECLAMATION DISTRICT OF GREATER CHICAGO

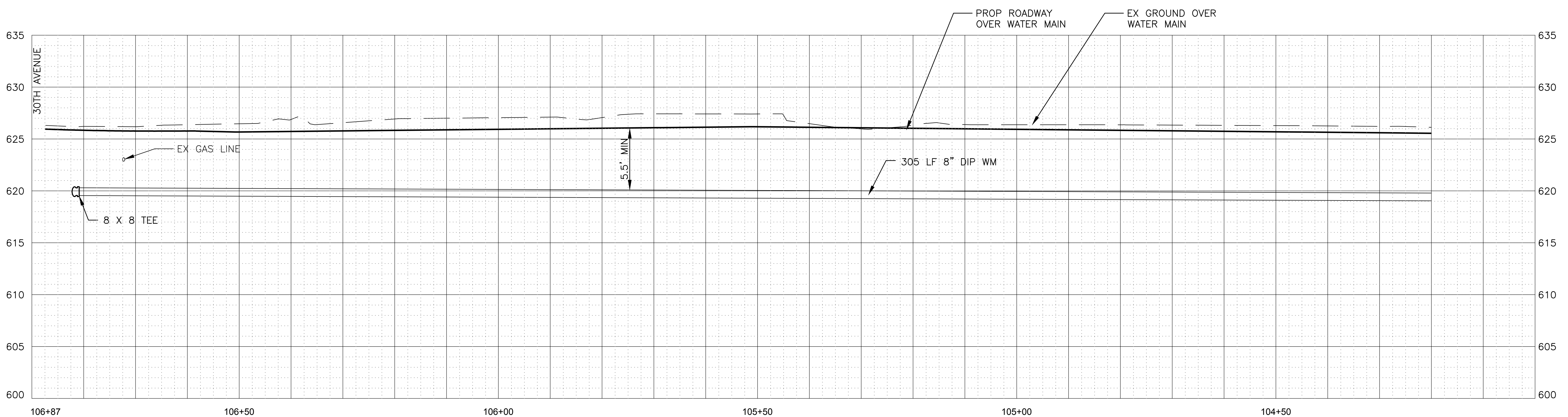
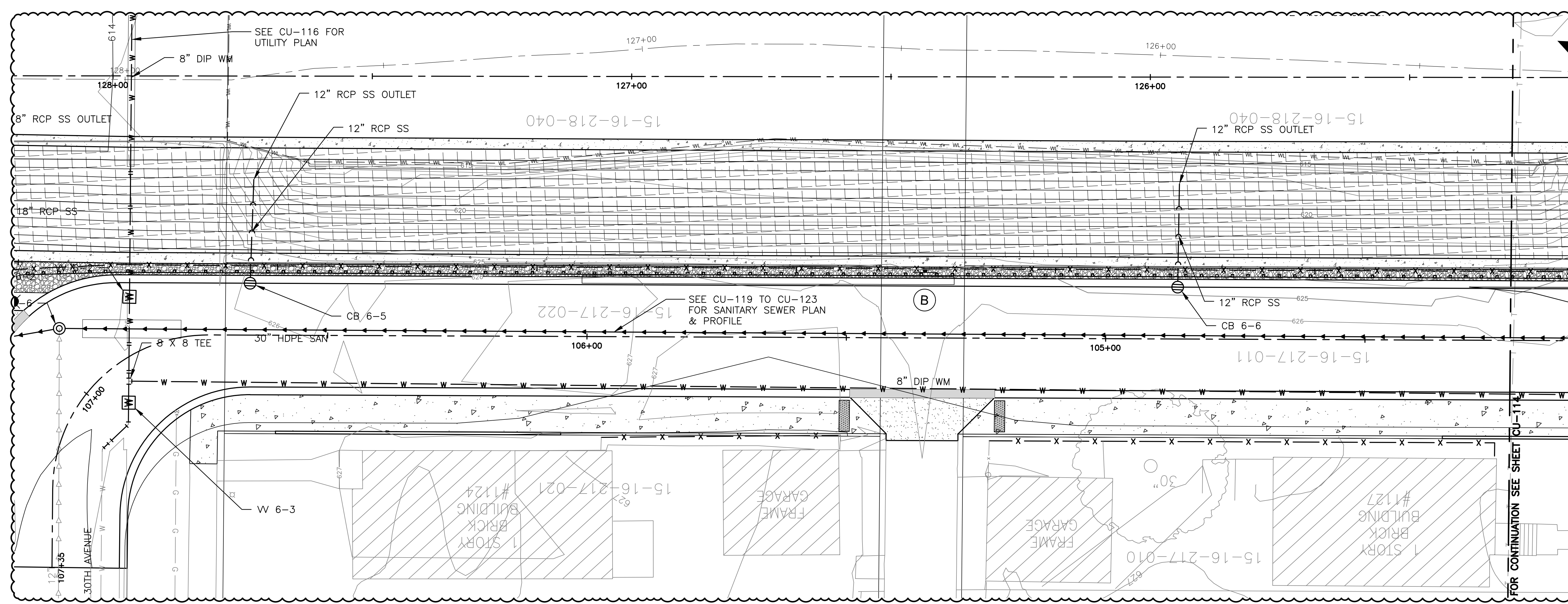
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 Checked by: PML
 Drawn by: KSS
 Correct: JAW

Scale: AS SHOWN
 Date: 2022

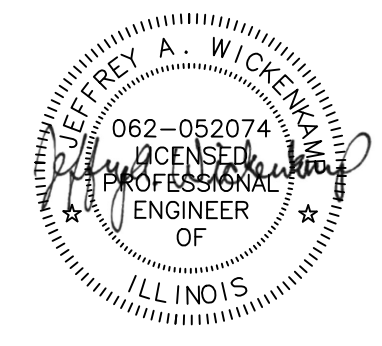
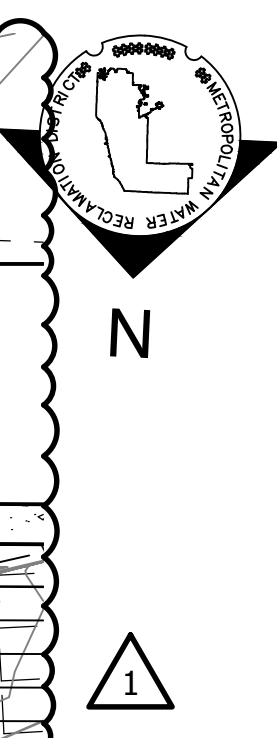
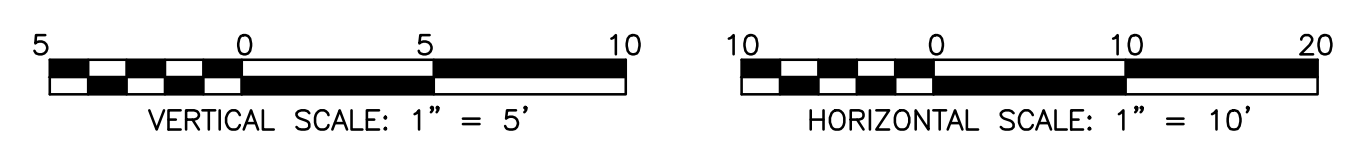
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 Engineering, Ecology and Landscape Architecture
 8755 WEST HEGAN ROAD, SUITE 835
 CHICAGO, ILLINOIS 60631
 OFFICE (773) 699-9200
 CHICAGO@HEYASAC.COM
 PROFESSIONAL DESIGN FIRM
 LICENSE NO. 184002829

CONTRACT 11-187-3F
 ADDISON CREEK CHANNEL IMPROVEMENTS

UTILITY PLAN - WATER MAIN - REACH 4
 STA. 189+10 TO STA. 188+70



- NOTES:**
1. SEE CG SHEETS FOR PROPOSED STORM SEWER.
 2. SEE CD AND CR SHEETS FOR PAVEMENT DEMOLITION AND RESTORATION.
 3. SEE SHEETS CG-223 AND CG-224 FOR ROADWAY PLAN AND PROFILE



Rev.	Description	Appr.	Date
1	ADDENDUM NO. 2	JAW	01/06/23

METROPOLITAN WATER RECLAMATION DISTRICT OF GREATER CHICAGO

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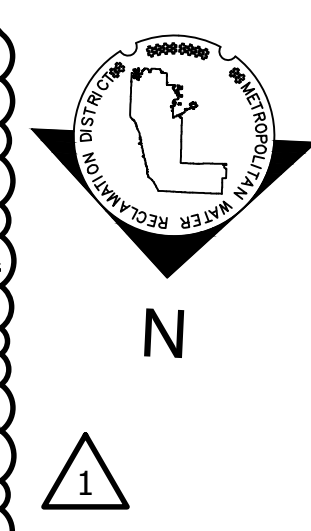
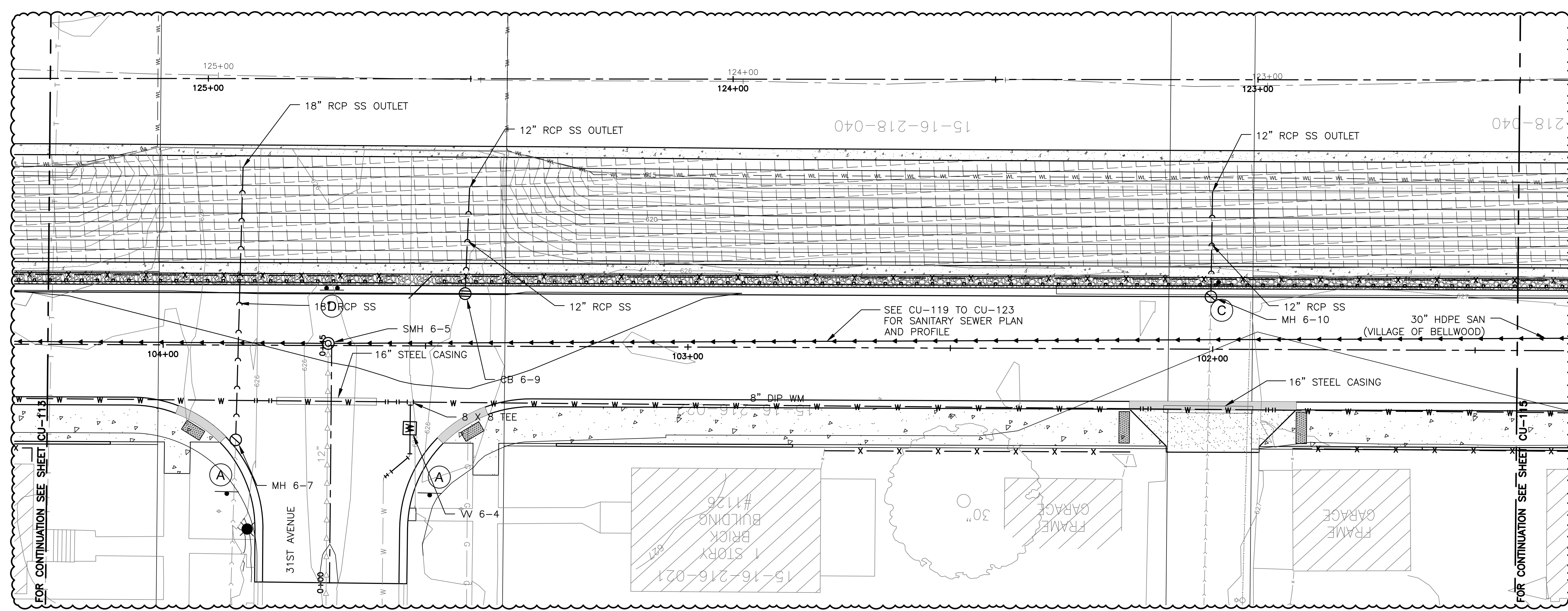
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CONTRACT 11-187-3F
 ADDISON CREEK CHANNEL IMPROVEMENTS

UTILITY PLAN - WATER MAIN - REACH 6
 STA. 128+00 TO STA. 125+30

Sheet Number:
CU-113
 Page Number: 284



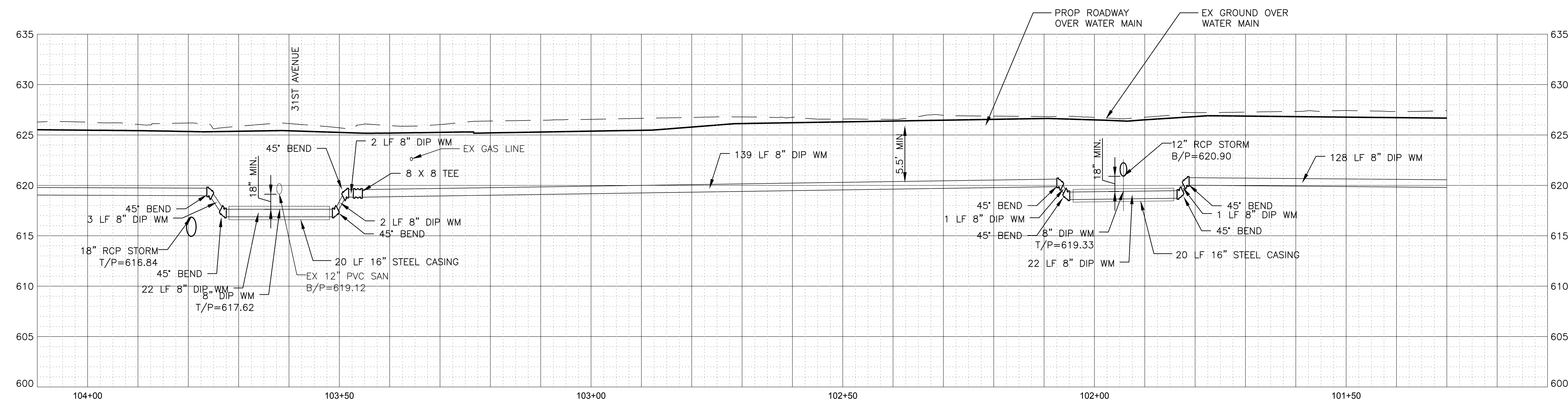
Rev.	Description	Appr.	Date
1	ADDENDUM NO. 2	JAW	01/06/23

**METROPOLITAN WATER RECLAMATION DISTRICT
OF GREATER CHICAGO**

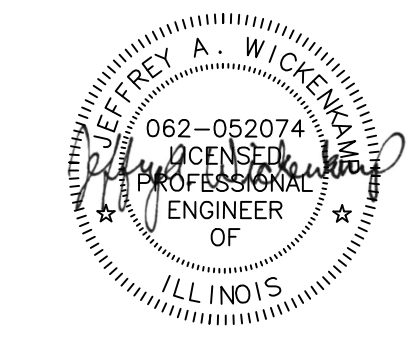
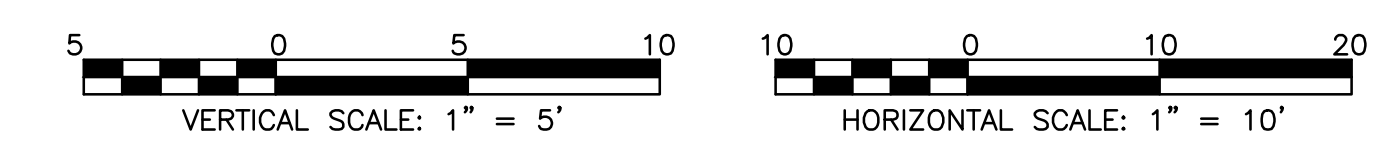
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 Checked by: PML
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 Date: 2022

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 CHICAGO@HEYASAC.COM
 PROFESSIONAL DESIGN FIRM
 LICENSE NO. 184004289



- NOTES:**
- SEE CG SHEETS FOR PROPOSED STORM SEWER.
 - SEE CD AND CR SHEETS FOR PAVEMENT DEMOLITION AND RESTORATION.
 - SEE SHEETS CG-223 AND CG-224 FOR ROADWAY PLAN AND PROFILE



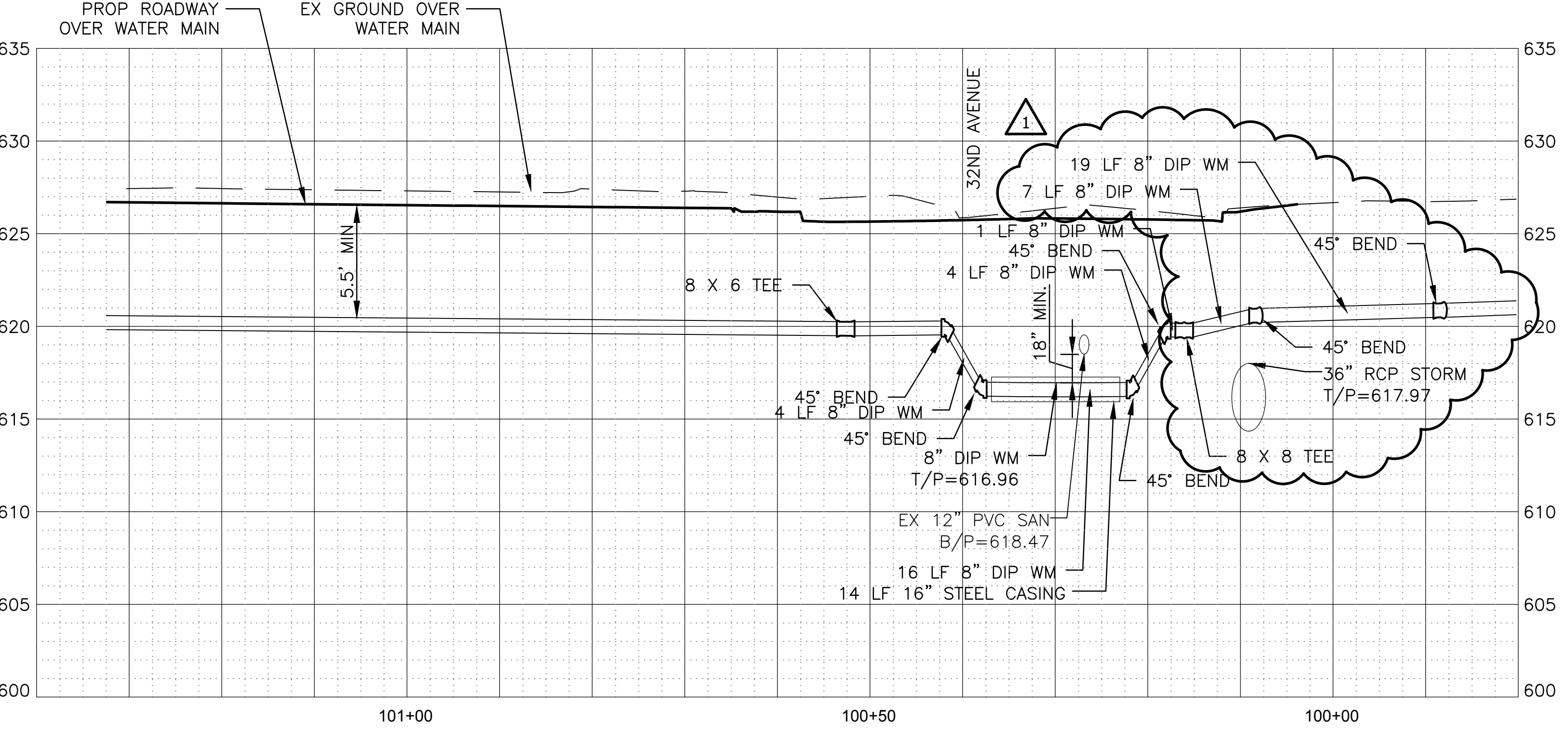
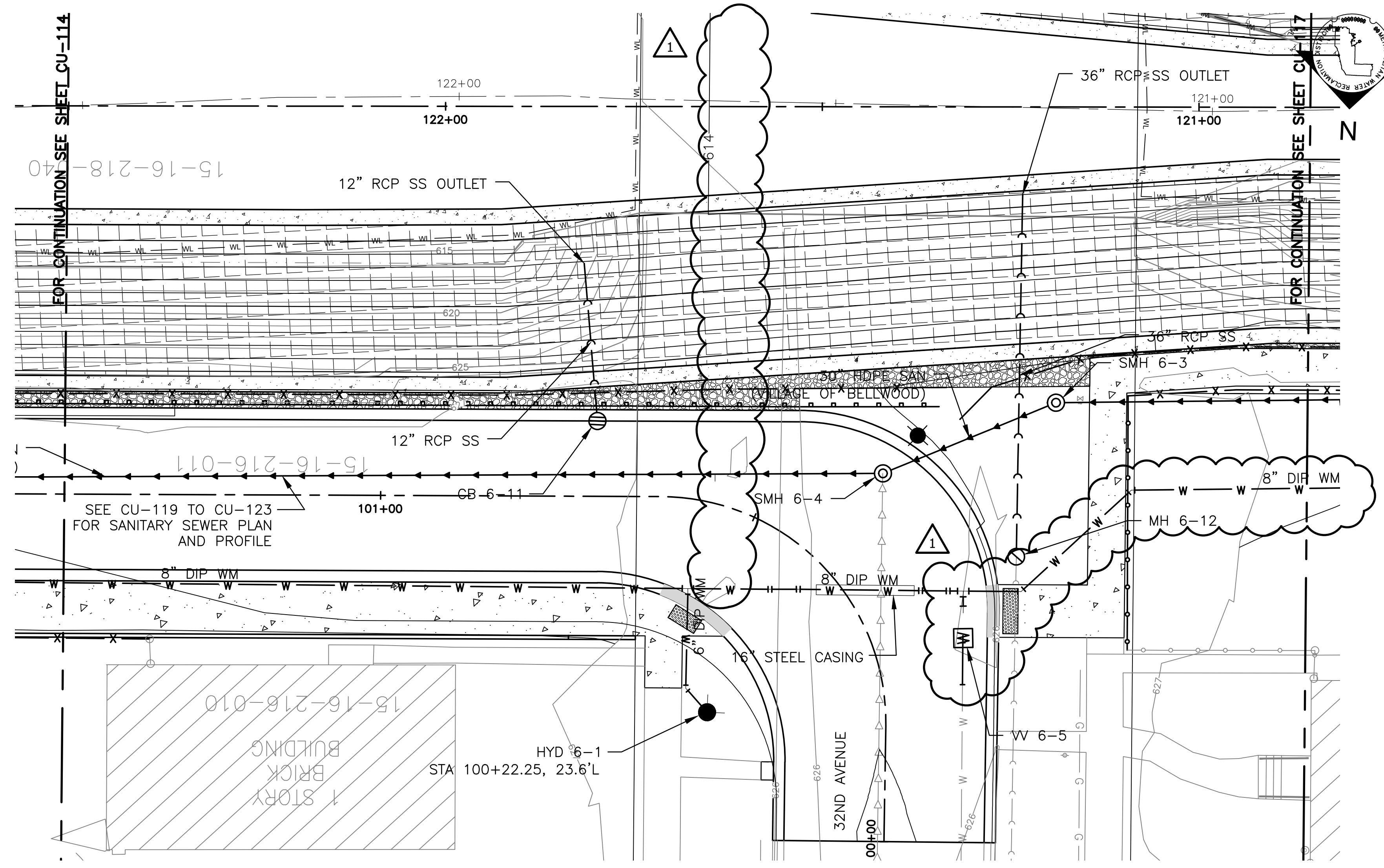
CONTRACT 11-187-3F
 ADDISON CREEK CHANNEL IMPROVEMENTS

UTILITY PLAN - WATER MAIN - REACH 6
 STA. 125+30 TO STA. 122+50

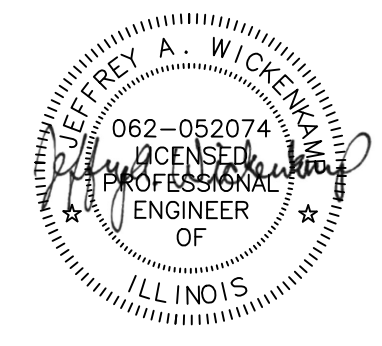
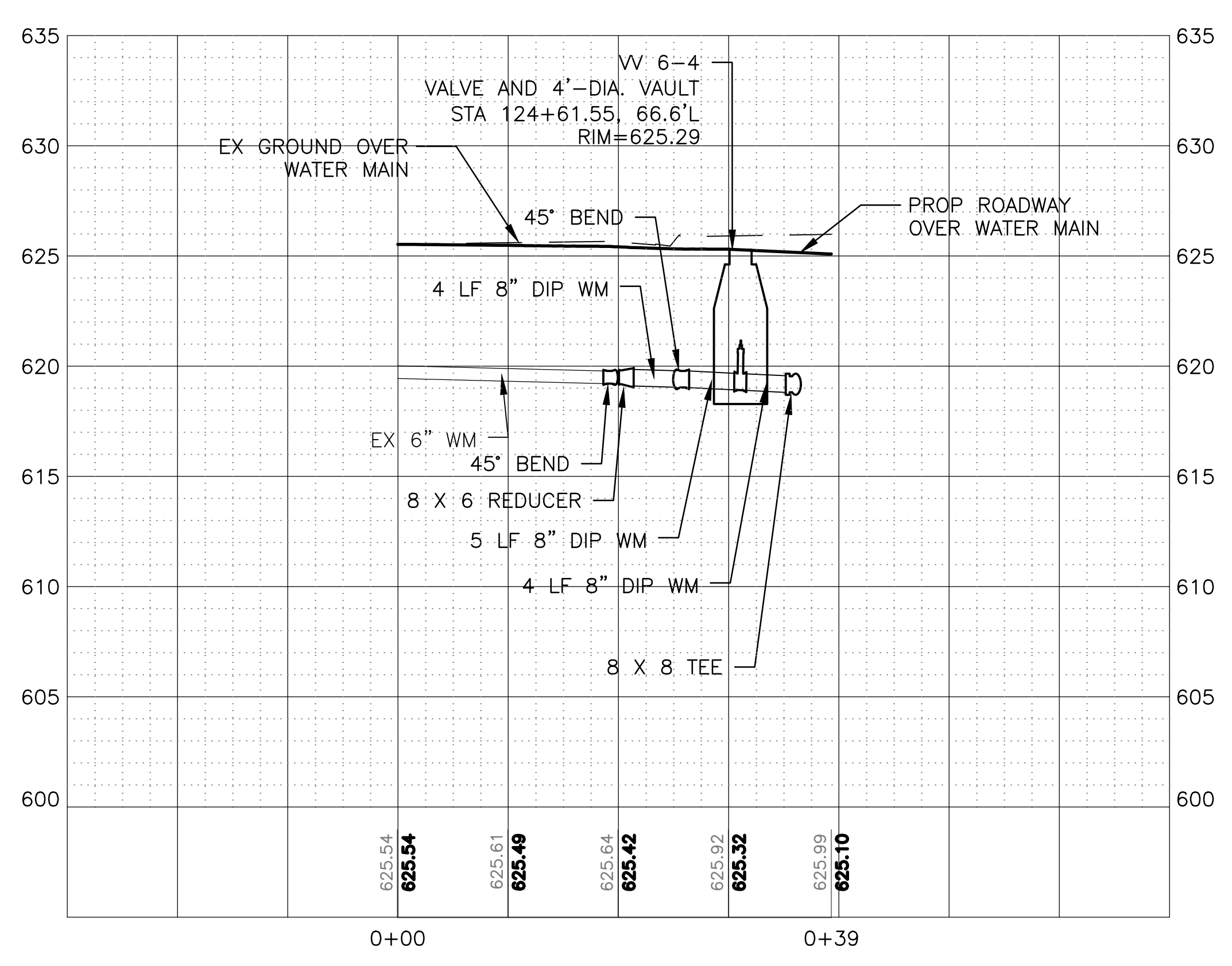
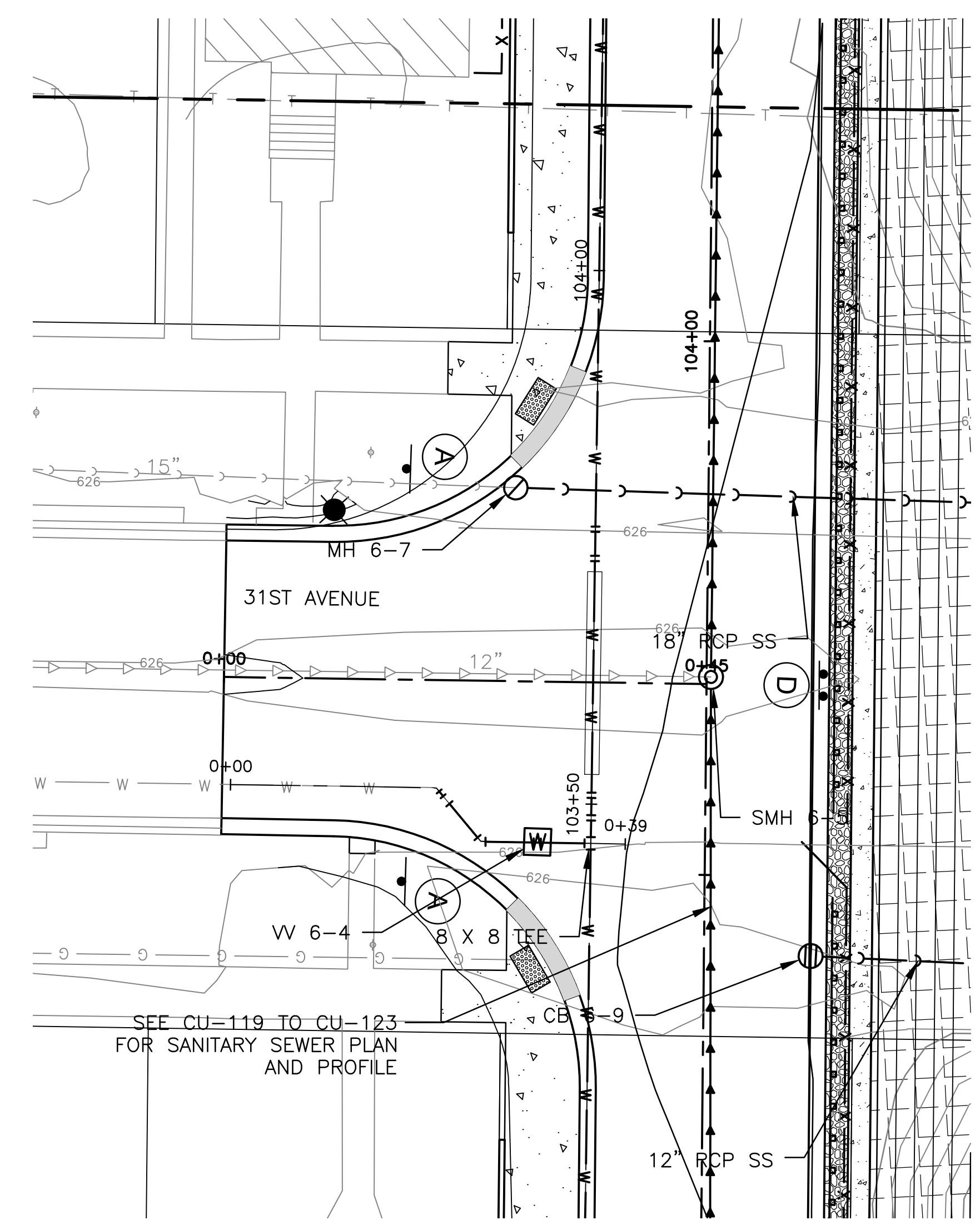
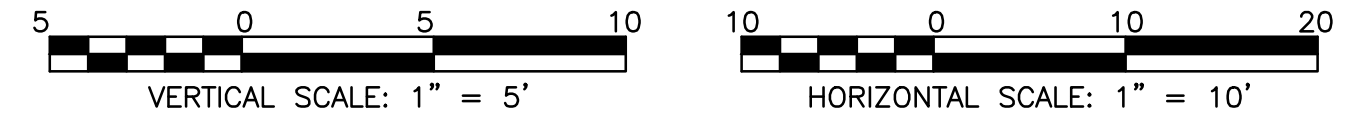
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CU-114

Page Number: 285

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- NOTES:**
1. SEE CG SHEETS FOR PROPOSED STORM SEWER.
 2. SEE CD AND CR SHEETS FOR PAVEMENT DEMOLITION AND RESTORATION.
 3. SEE SHEETS CG-223 AND CG-224 FOR ROADWAY PLAN AND PROFILE



Rev.	Description	Appr.	Date
1	ADDENDUM NO. 2	JAW	01/06/23

METROPOLITAN WATER RECLAMATION DISTRICT OF GREATER CHICAGO

Designed by: TCT
 Checked by: PML
 Drawn by: KSS
 Correct:

Scale: AS SHOWN
 Date: 2022

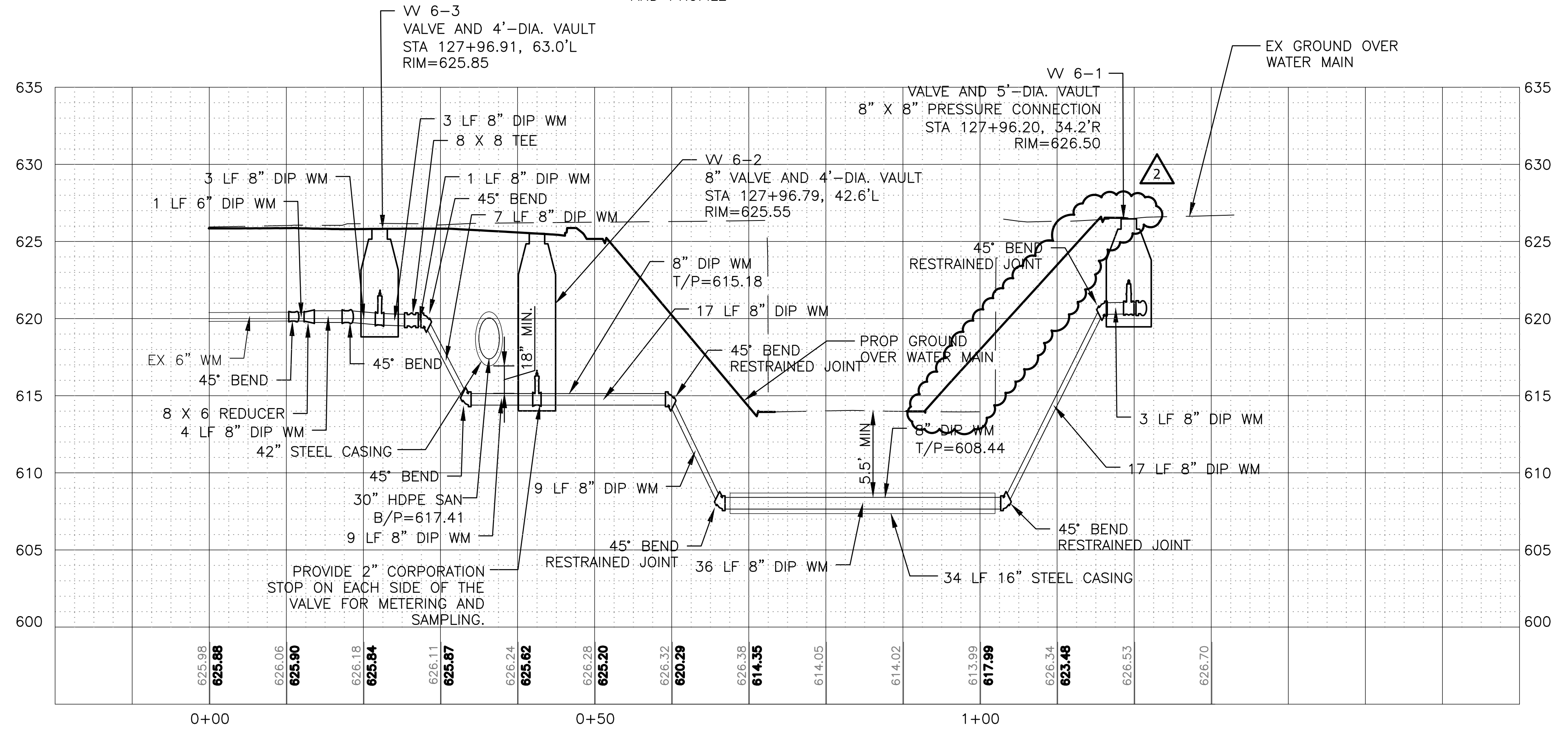
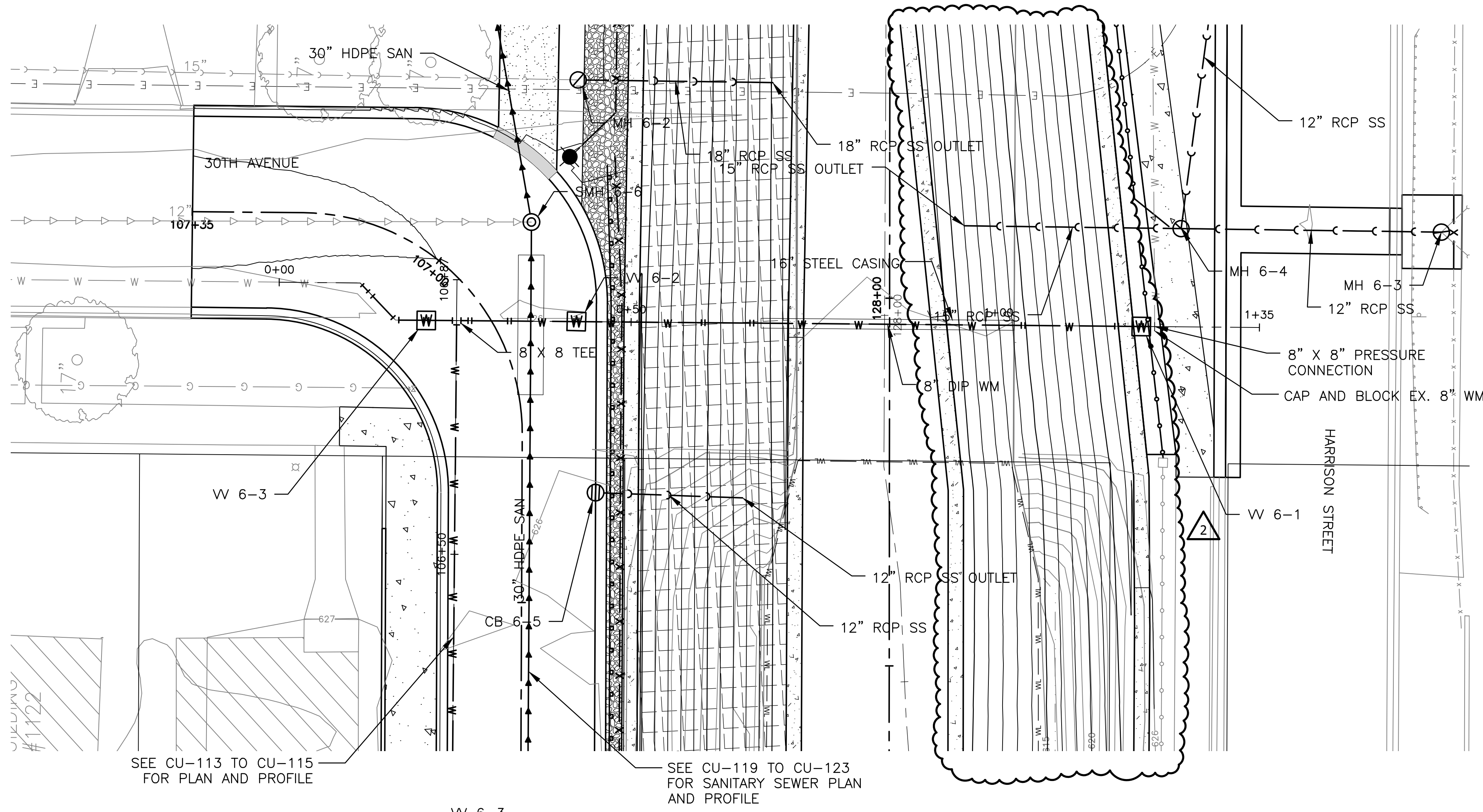
Hey and Associates, Inc.
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 CHICAGO@HEYASAC.COM
 PROFESSIONAL DESIGNER, P.E.
 LICENSE NO. 184002829

CONTRACT 11-187-3F
 ADDISON CREEK CHANNEL IMPROVEMENTS

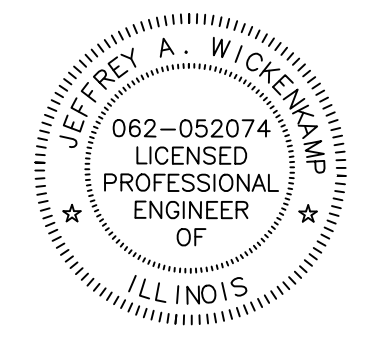
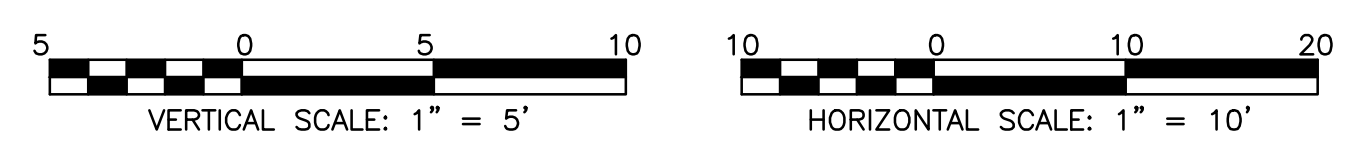
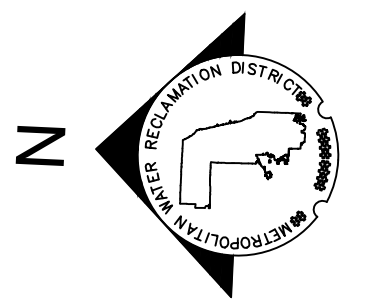
UTILITY PLAN - WATER MAIN - REACH 6
 STA. 122+50 TO STA. 121+30

Sheet Number:
CU-115

Page Number: 286



- NOTES:**
1. CONTRACTOR MAY PROPOSE TO DIRECTIONAL BORE WATER MAIN WITH CASING PIPE UNDER ADDISON CREEK IN LIEU OF OPEN CUT INSTALLATION. CONTRACTOR TO COORDINATE WITH ENGINEER.
 2. SEE CG SHEETS FOR PROPOSED STORM SEWER.
 3. SEE CD AND CR SHEETS FOR PAVEMENT DEMOLITION AND RESTORATION.



Rev.	Description	Appr.	Date
1	ADDENDUM NO. 2	JAW	01/06/23
2	ADDENDUM NO. 7	JAW	05/01/23

METROPOLITAN WATER RECLAMATION DISTRICT OF GREATER CHICAGO

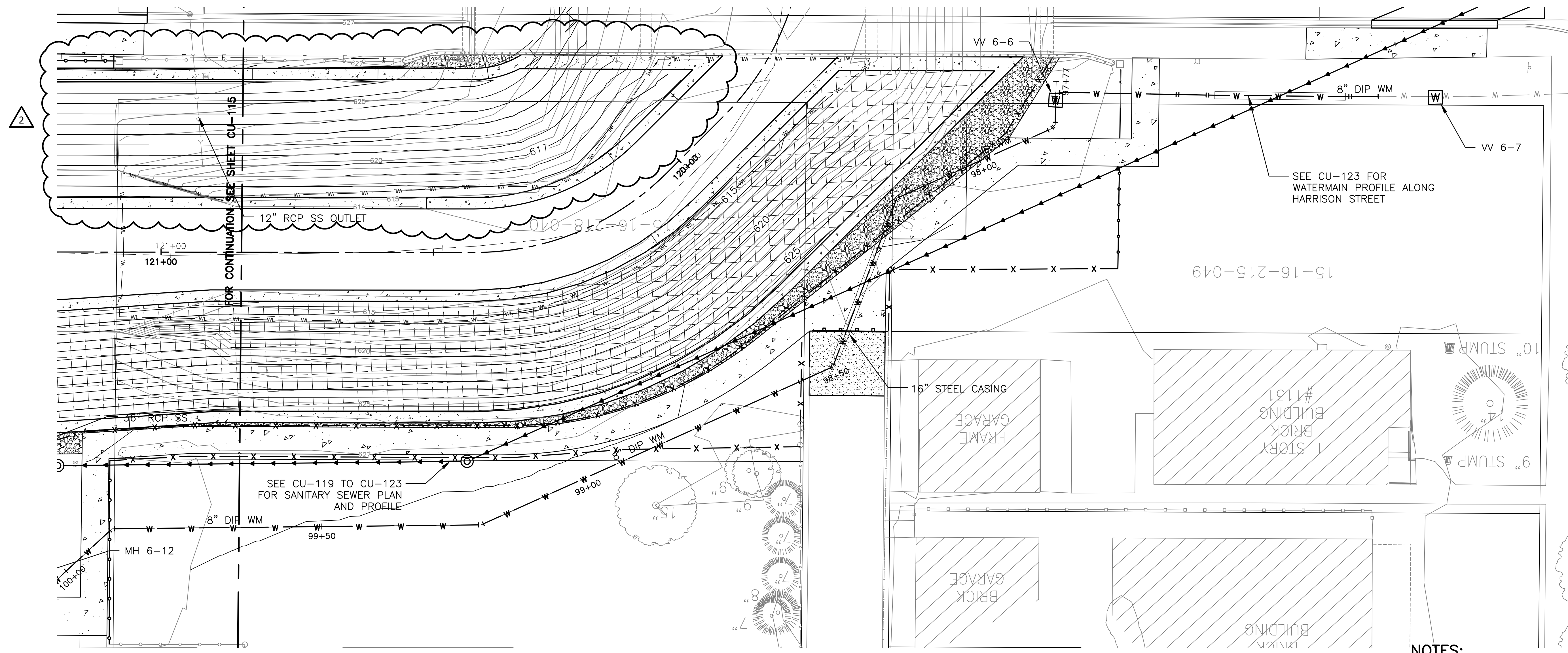
Hey and Associates, Inc.
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 CHICAGO@HEYASAC.COM

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 Reviewed by: JAW
 Date: 2022
 Correct:

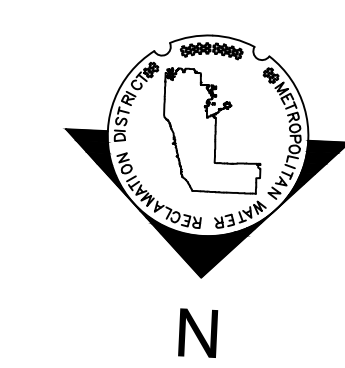
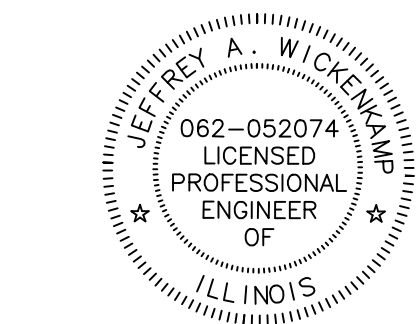
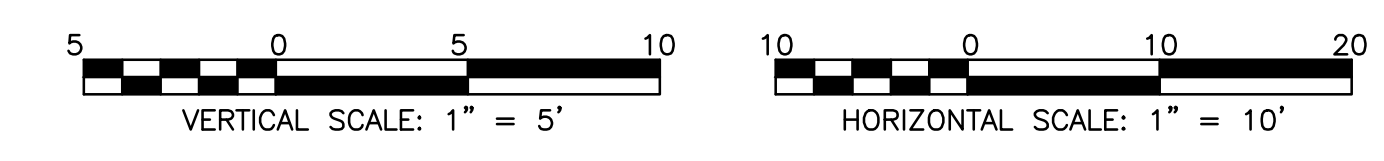
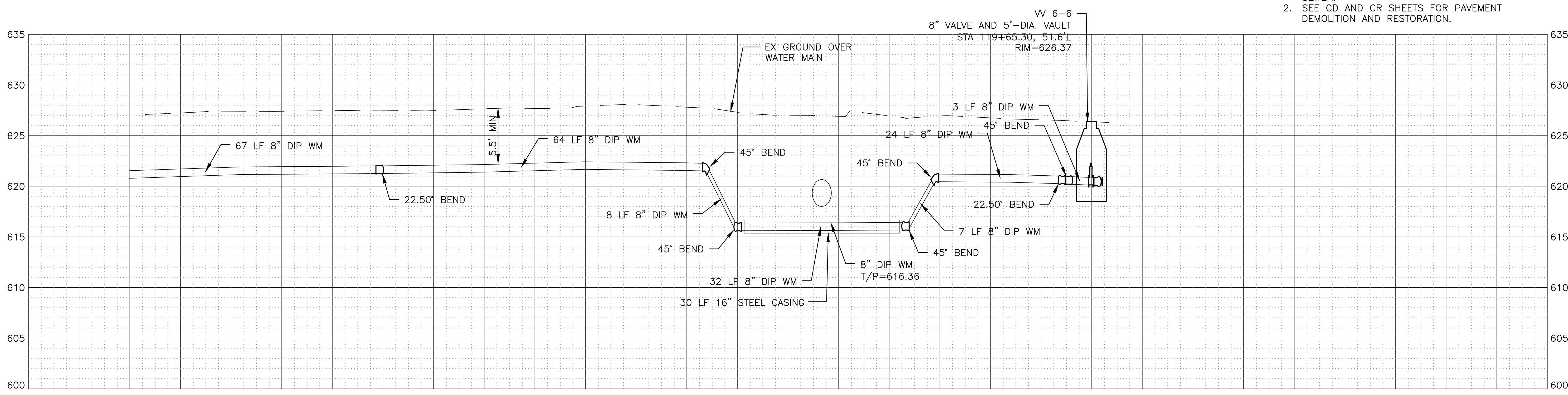
CONTRACT 11-187-3F
 ADDISON CREEK CHANNEL IMPROVEMENTS

UTILITY PLAN - WATER MAIN - REACH 6
 30TH AVENUE

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- NOTES:**
- SEE CG SHEETS FOR PROPOSED STORM SEWER.
 - SEE CD AND CR SHEETS FOR PAVEMENT DEMOLITION AND RESTORATION.



Rev.	Description	Appr.	Date
1	ADDENDUM NO. 2	JAW	01/06/23
2	ADDENDUM NO. 7	JAW	05/01/23

**METROPOLITAN WATER RECLAMATION DISTRICT
 OF GREATER CHICAGO**

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 Checked by: PML
 Drawn by: KSS
 Correct:

Scale: AS SHOWN
 Date: 2022

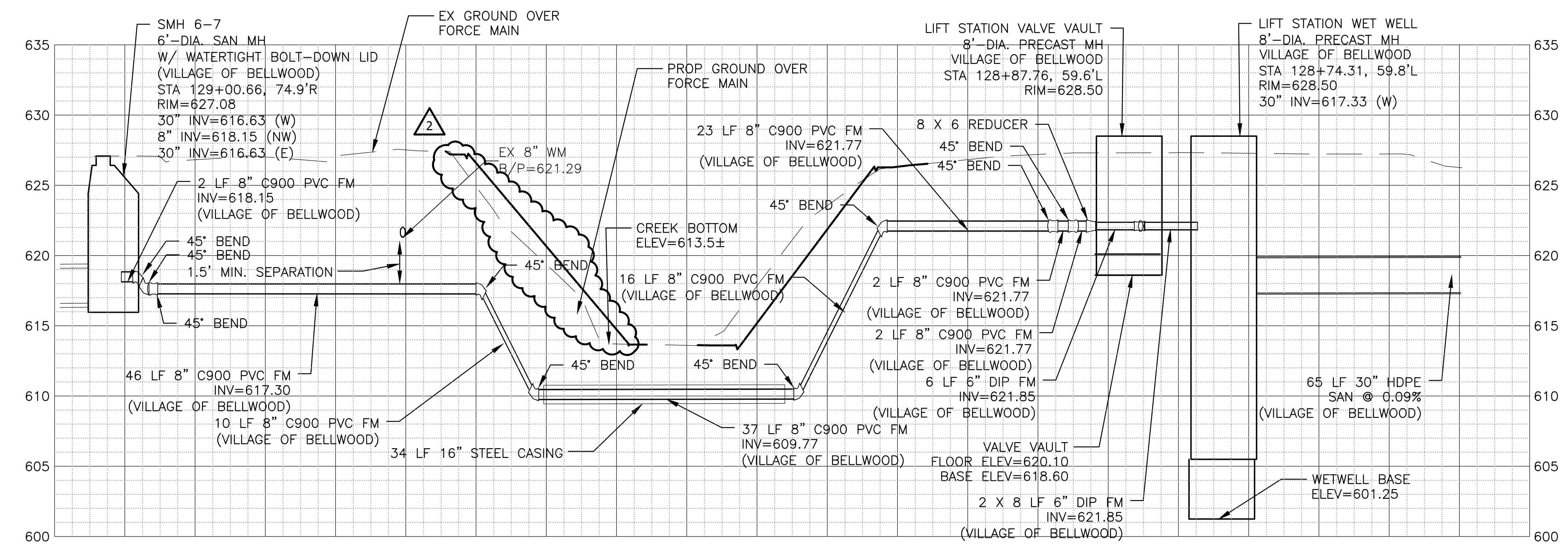
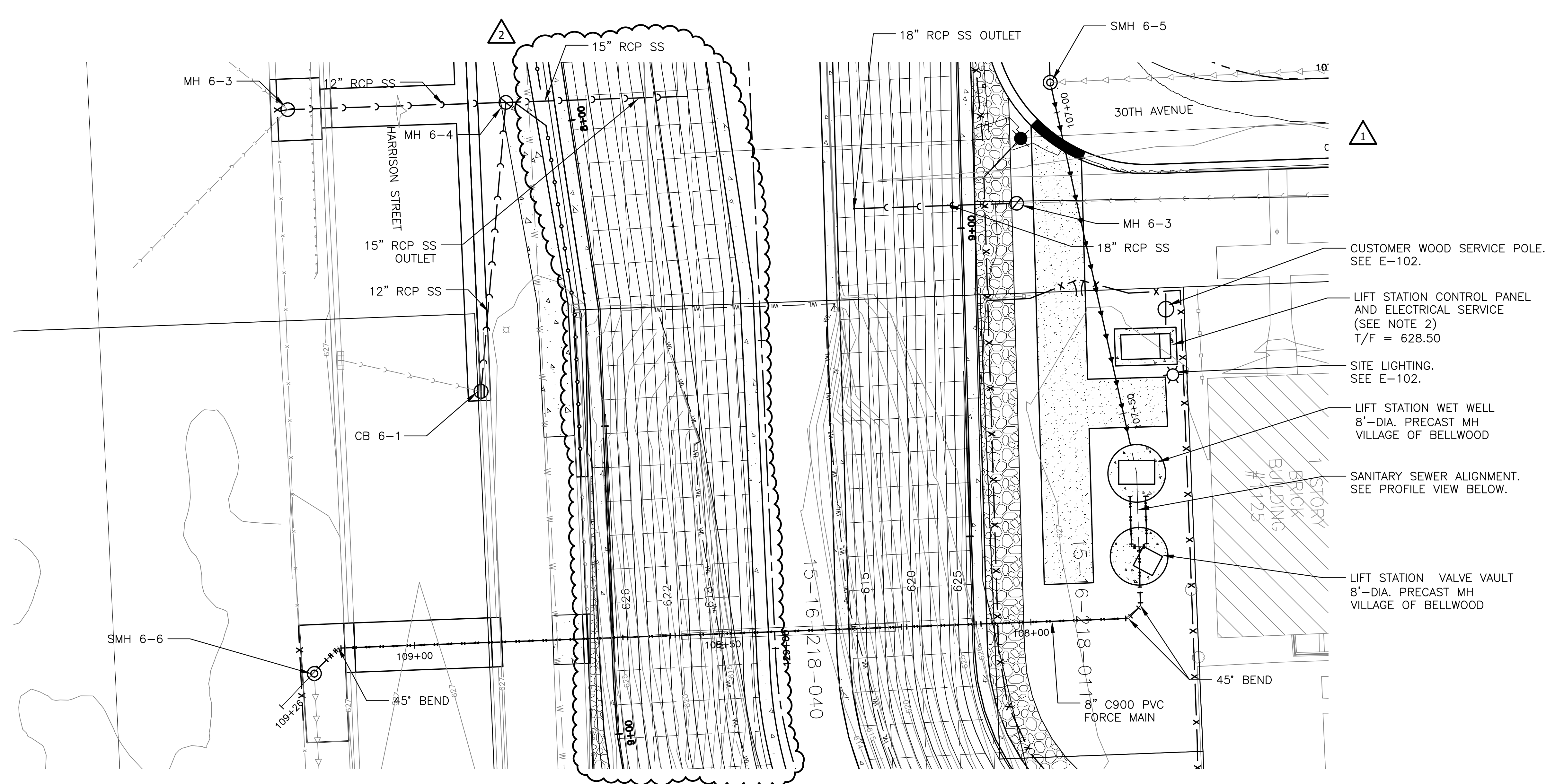
Hey and Associates, Inc.
 Engineering, Ecology and Landscape Architecture
 8755 WEST HIGGINS ROAD, SUITE 835
 CHICAGO, ILLINOIS 60631
 OFFICE (773) 699-9200
 CHICAGO@HEYANDASSOCIATES.COM
 PROFESSIONAL DESIGN FIRMS
 LICENSE NO. 184002429

CONTRACT 11-187-3F
 ADDISON CREEK CHANNEL IMPROVEMENTS

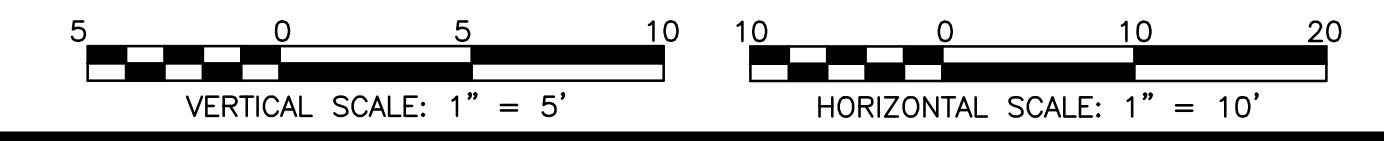
UTILITY PLAN - WATER MAIN - REACH 6
 32ND AVENUE

Sheet Number:
CU-117

Page Number: 288

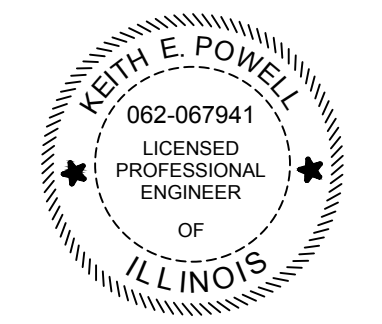
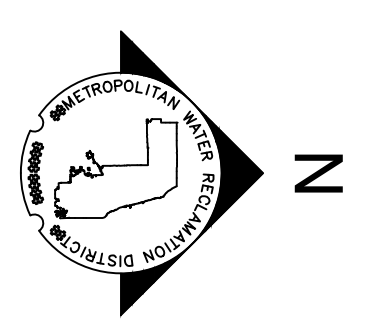


PROFILE VIEW OF SANITARY SEWER ALIGNMENT



NOTES:

1. PROVIDE THRUST BLOCKS AT ALL BENDS PER DETAIL 3 ON SHEET CU-501.
2. PROVIDE CUSTOMER WOOD SERVICE POLE MATCHING REQUIREMENTS OF THE ELECTRIC UTILITY.
3. REFER TO ELECTRICAL SHEETS FOR DETAILS.
4. SEE CU-507 TO CU-509 FOR LIFT STATION DETAILS.
5. SEE CR-119, CR-119A, AND CR-508.
6. SEE CG-221 AND CG-409.



Rev.	Description	Appr.	Date
1	ADDENDUM NO. 2	JAW	01/06/23
2	ADDENDUM NO. 7	JAW	05/01/23

METROPOLITAN WATER RECLAMATION DISTRICT OF GREATER CHICAGO

Engineering Enterprises, Inc.
 Consulting Engineers
 92 Wheeler Road
 Sugar Grove, Illinois 60554
 630.466.6700
 www.eeiweb.com

Scale: AS SHOWN
 Checked by: C.B.
 Reviewed by: S.T.D.
 Date: 2022

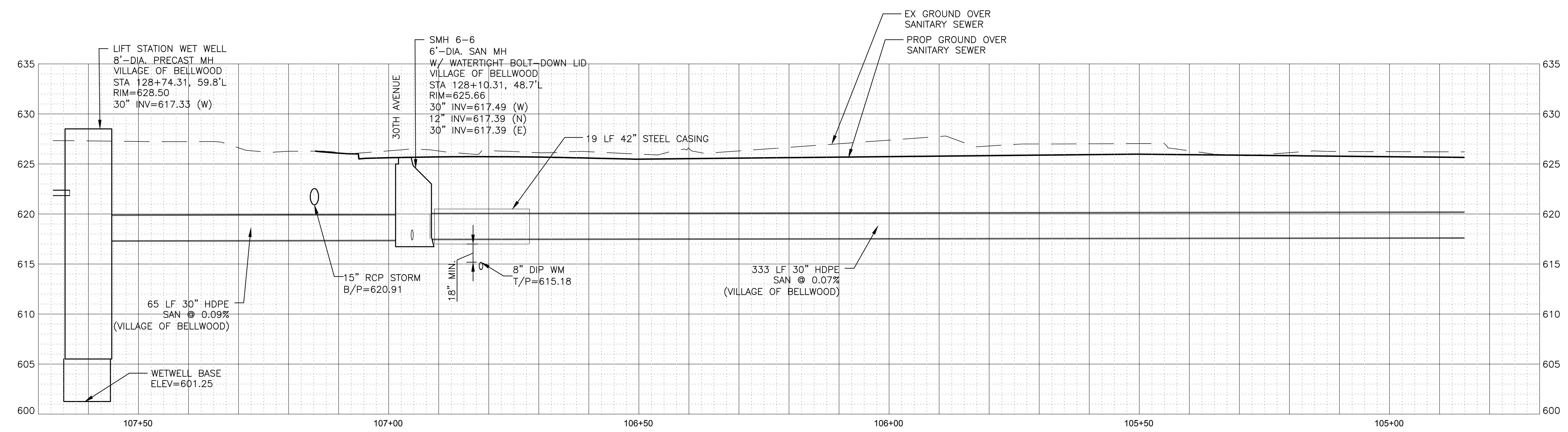
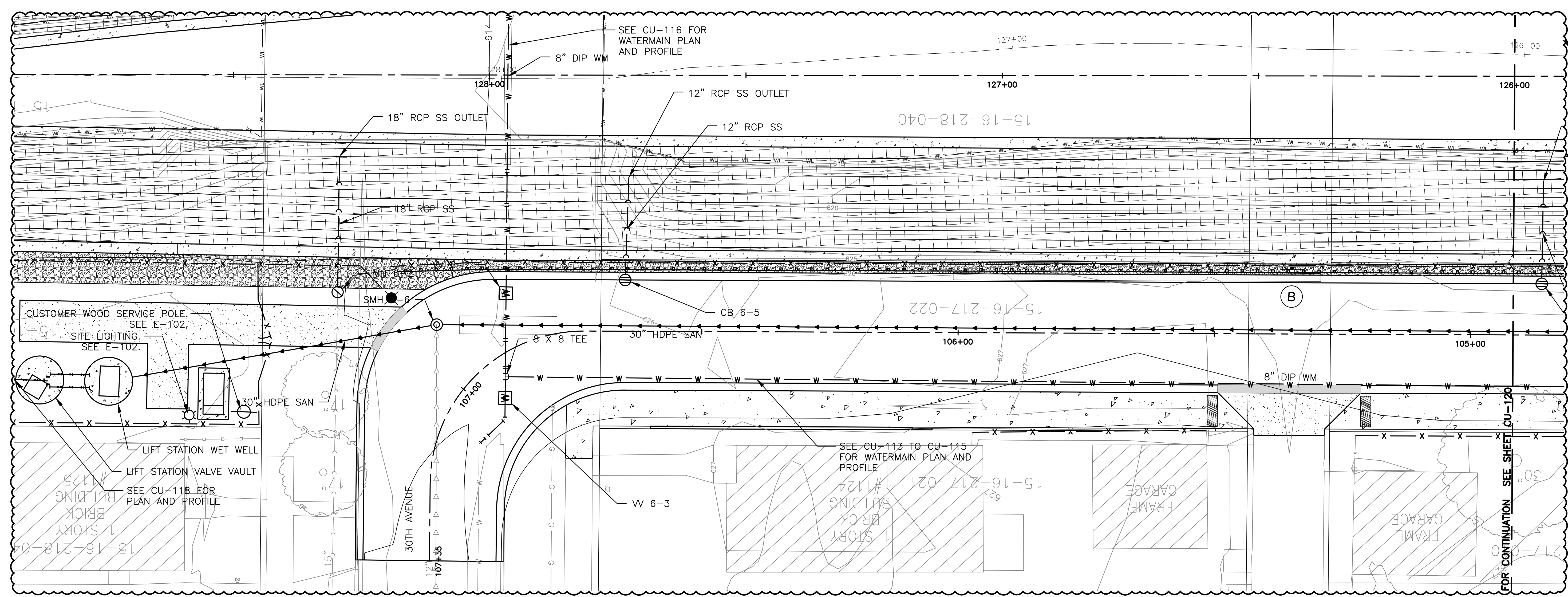
CONTRACT 11-187-3F
 ADDISON CREEK CHANNEL IMPROVEMENTS

UTILITY PLAN - SAN. SEWER - REACH 6
 STA. 129+00

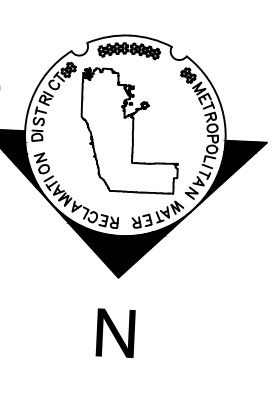
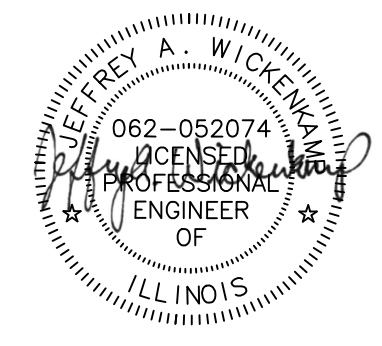
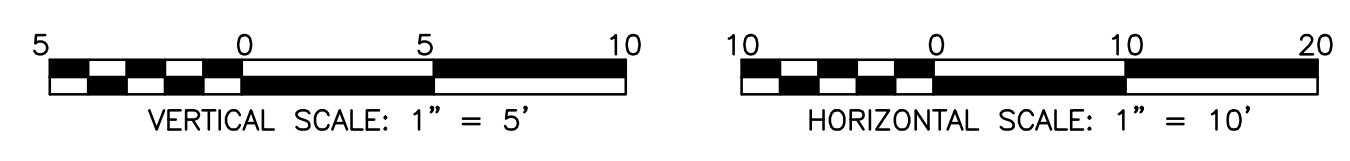
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Page Number: 289

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- NOTES:**
- SEE CG SHEETS FOR PROPOSED STORM SEWER.
 - SEE CD AND CR SHEETS FOR PAVEMENT DEMOLITION AND RESTORATION.
 - SEE SHEETS CG-223 AND CG-224 FOR ROADWAY PLAN AND PROFILE.



Rev.	Description	Appr.	Date
1	ADDENDUM NO. 2	JAW	01/06/23

METROPOLITAN WATER RECLAMATION DISTRICT OF GREATER CHICAGO

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 Drawn by: KSS
 Correct: JAW

Scale: AS SHOWN
 Date: 2022

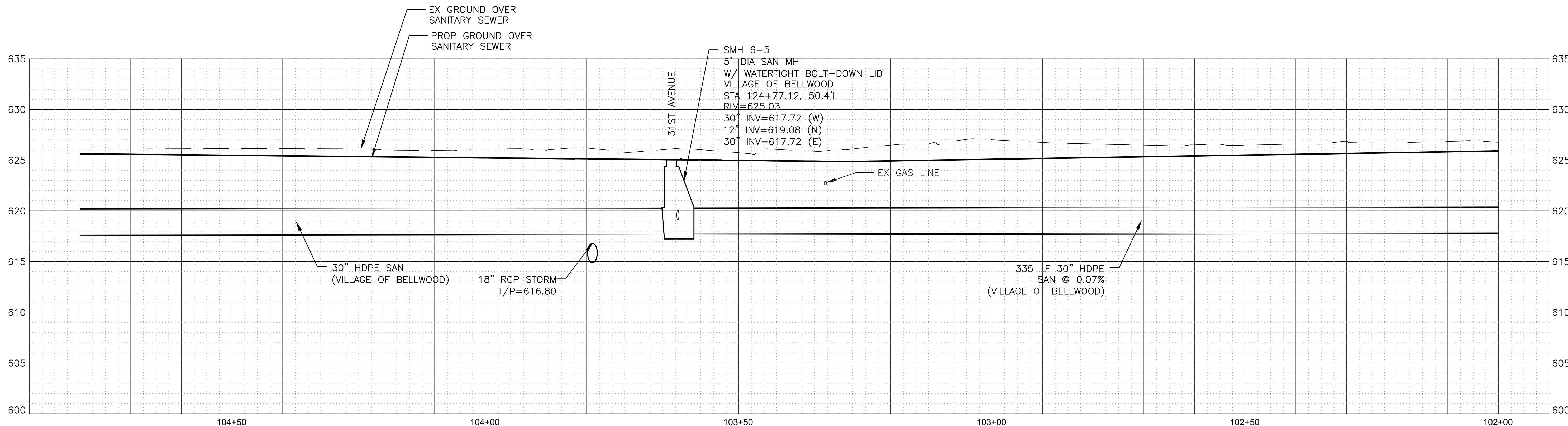
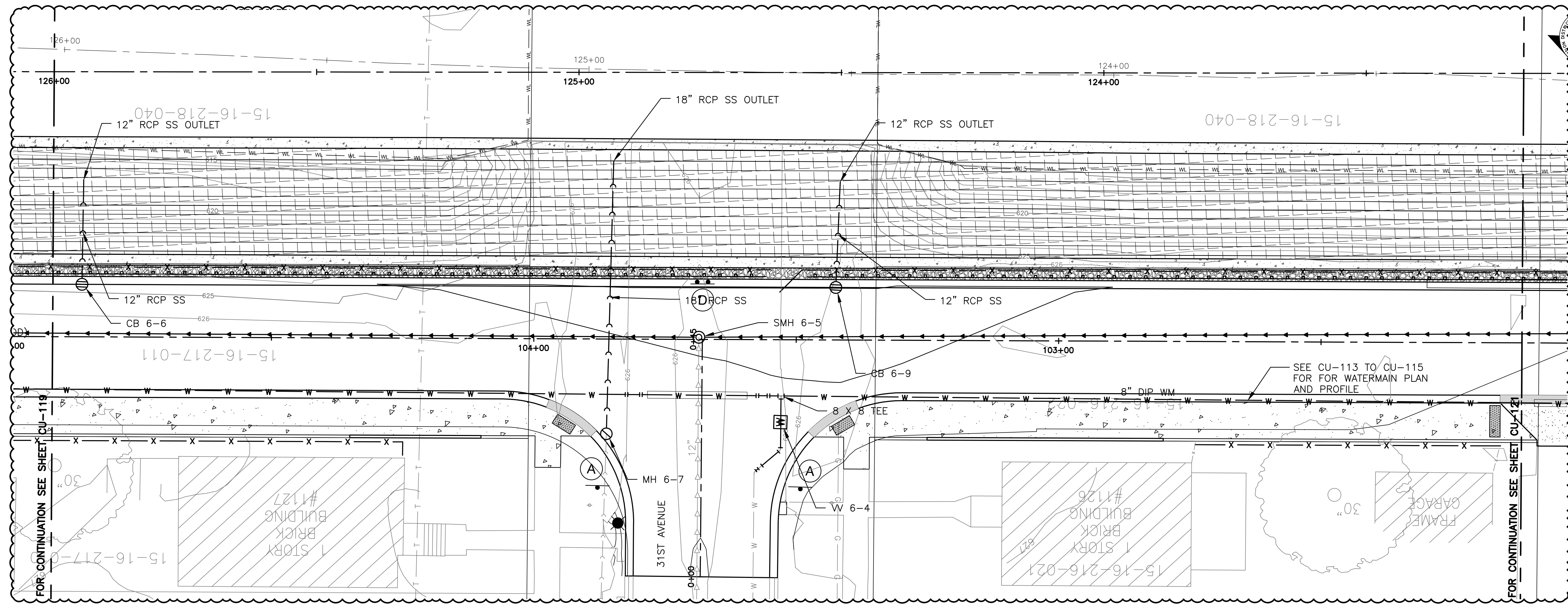
Hey and Associates, Inc.
 Engineering, Ecology and Landscape Architecture
 CHICAGO, ILLINOIS 60631
 OFFICE (773) 695-5200
 CHICAGO@HEYANDASSOCIATES.COM
 PROFESSIONAL DESIGN FIRMS LICENSE NO. 184002829

CONTRACT 11-187-3F
 ADDISON CREEK CHANNEL IMPROVEMENTS

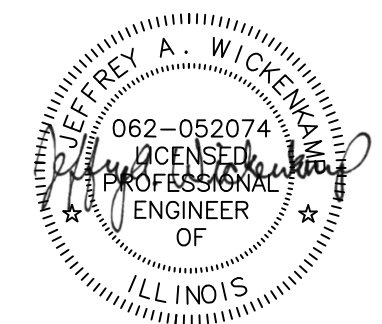
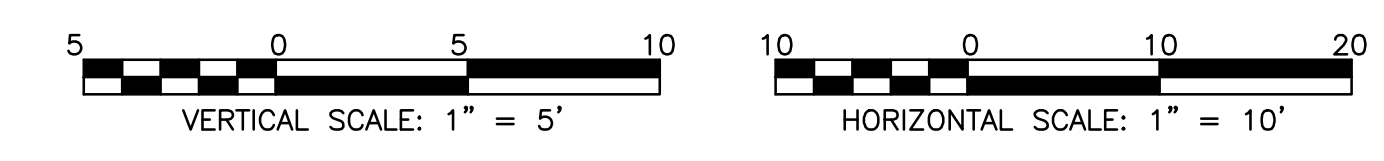
UTILITY PLAN - SAN. SEWER - REACH 6
 STA. 128+50 TO STA. 126+00

Sheet Number:
CU-119
 Page Number: 290

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- NOTES:**
- SEE CG SHEETS FOR PROPOSED STORM SEWER.
 - SEE CD AND CR SHEETS FOR PAVEMENT DEMOLITION AND RESTORATION.
 - SEE SHEETS CG-223 AND CG-224 FOR ROADWAY PLAN AND PROFILE.



Rev.	Description	Appr.	Date
1	ADDENDUM NO. 2	JAW	01/06/23

METROPOLITAN WATER RECLAMATION DISTRICT OF GREATER CHICAGO

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 Drawn by: CFR
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 Date: 2022

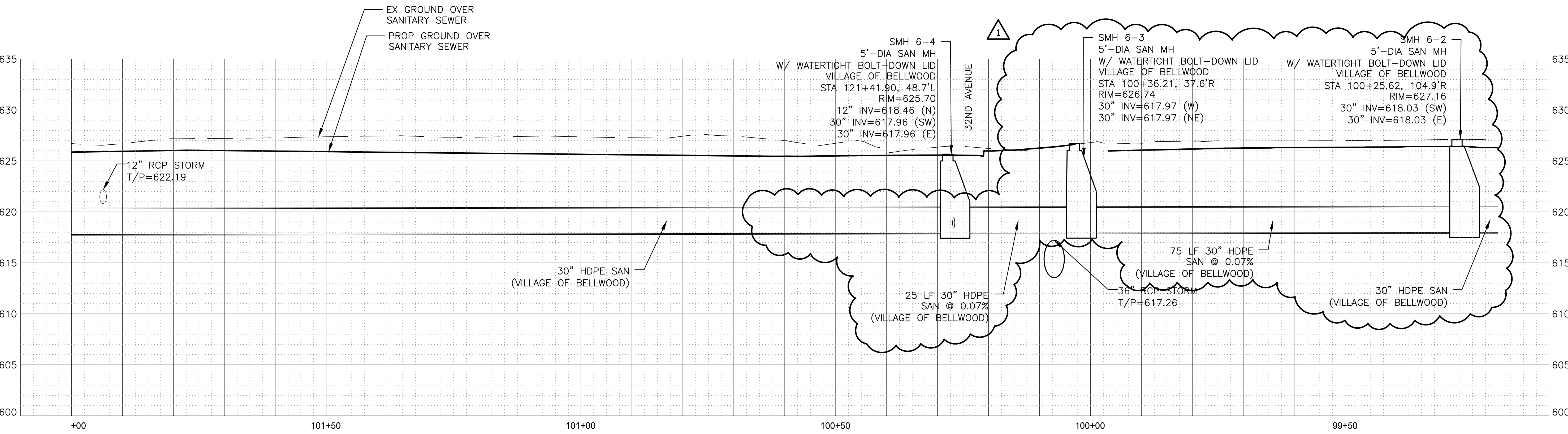
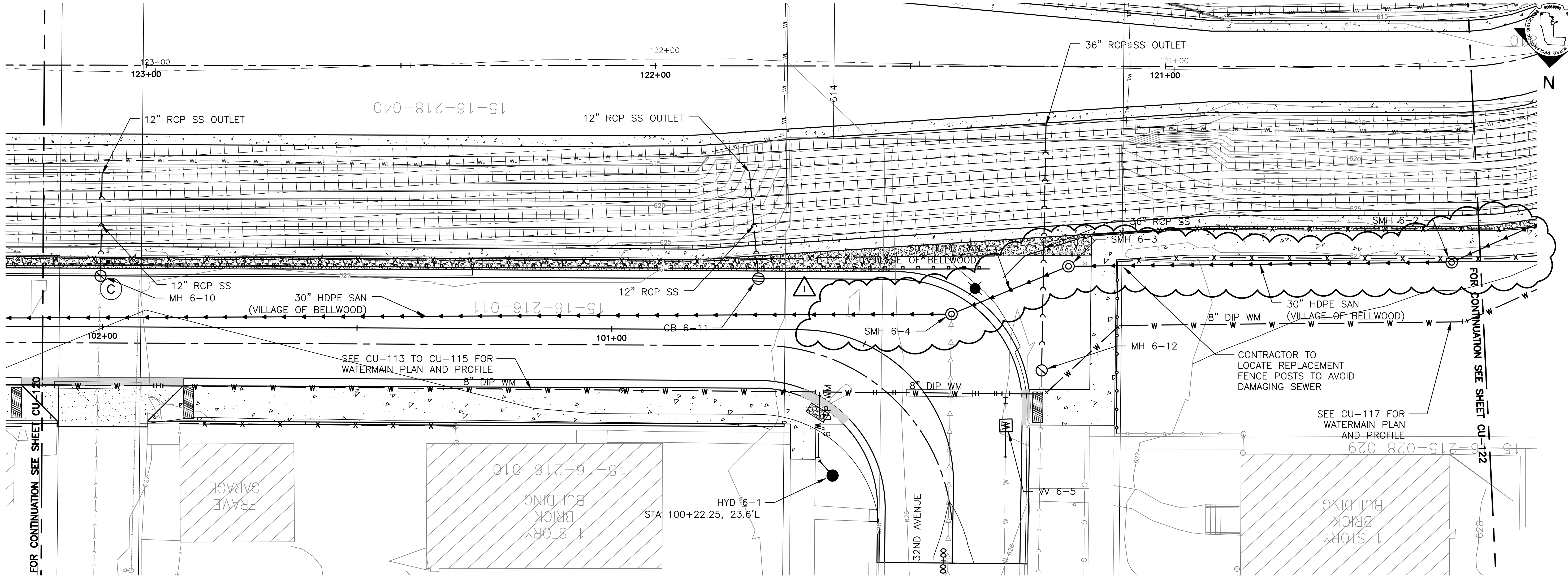
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 CHICAGO@HEYANDASSOCIATES.COM
 PROFESSIONAL DESIGN: FIRM LICENSE NO. 184002429

CONTRACT 11-187-3F
 ADDISON CREEK CHANNEL IMPROVEMENTS

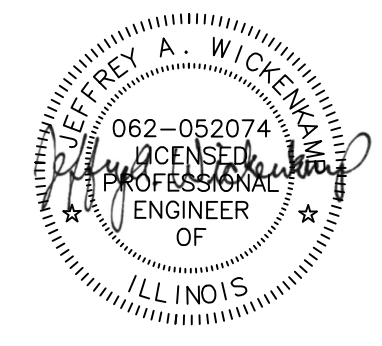
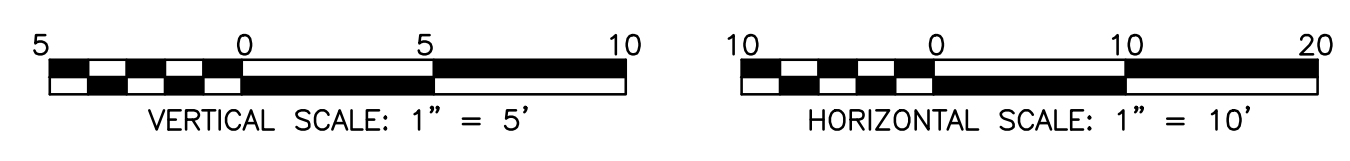
UTILITY PLAN - SAN. SEWER - REACH 6
 STA. 126+00 TO STA. 123+20

Sheet Number:
CU-120
 Page Number: 291

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- NOTES:**
- SEE CG SHEETS FOR PROPOSED STORM SEWER.
 - SEE CD AND CR SHEETS FOR PAVEMENT DEMOLITION AND RESTORATION.
 - SEE SHEETS CG-223 AND CG-224 FOR ROADWAY PLAN AND PROFILE



Rev.	Description	Appr.	Date
1	ADDENDUM NO. 2	JAW	01/06/23

METROPOLITAN WATER RECLAMATION DISTRICT OF GREATER CHICAGO

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 Checked by: PML
 Drawn by: KSS
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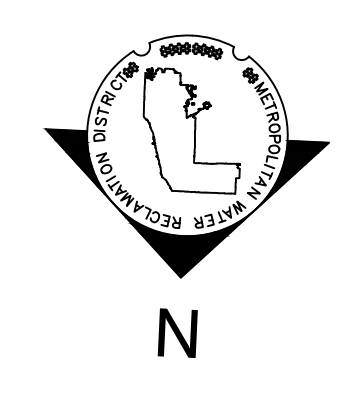
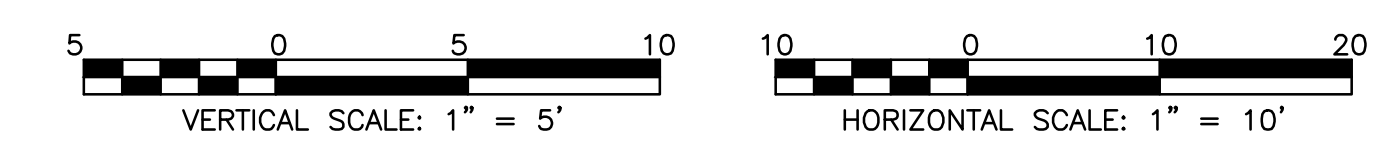
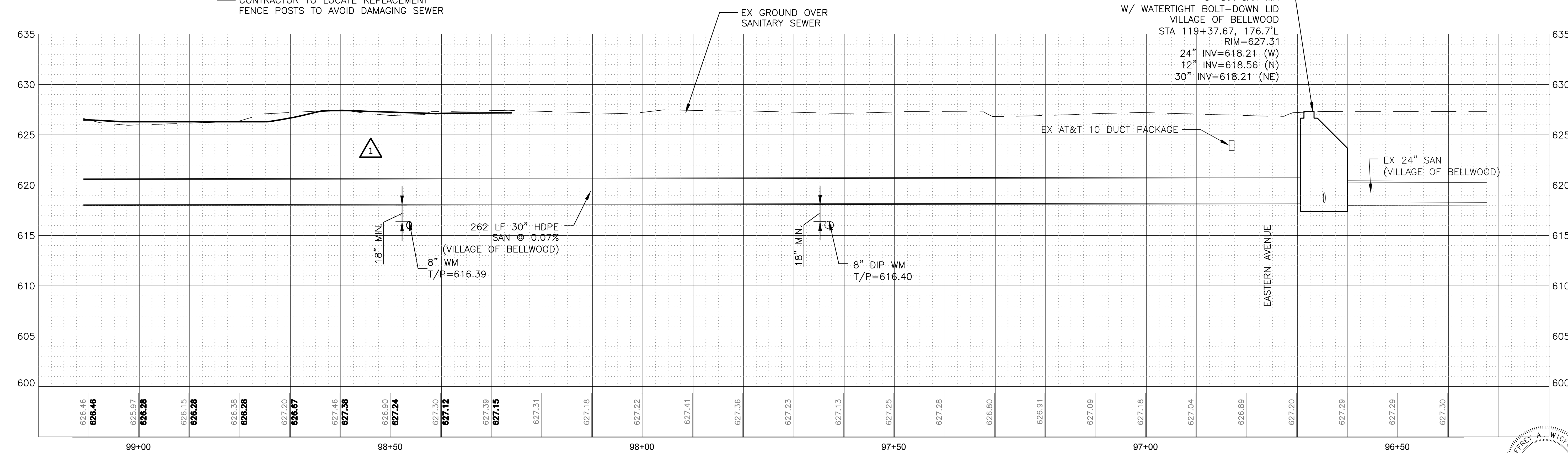
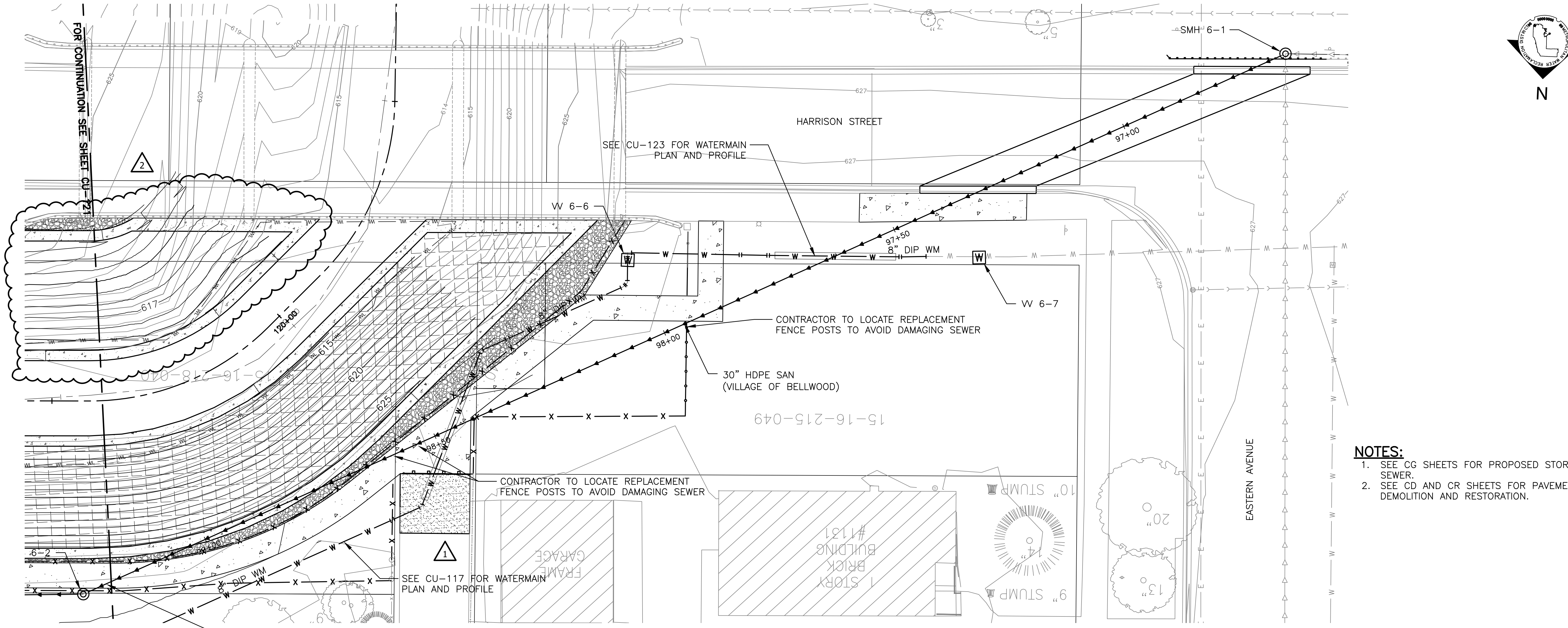
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 Date: 2022

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 Engineering, Ecology and Landscape Architecture
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 OFFICE (773) 695-9200
 CHICAGO@HEYASAC.COM
 LICENSE NO. 184002829

CONTRACT 11-187-3F
 ADDISON CREEK CHANNEL IMPROVEMENTS

UTILITY PLAN - SAN. SEWER - REACH 6
 STA. 123+20 TO STA. 120+40

Sheet Number:
CU-121
 Page Number: 292



- NOTES:**
- SEE CG SHEETS FOR PROPOSED STORM SEWER.
 - SEE CD AND CR SHEETS FOR PAVEMENT DEMOLITION AND RESTORATION.

Rev.	Description	Appr.	Date
1	ADDENDUM NO. 2	JAW	01/06/23
2	ADDENDUM NO. 7	JAW	05/07/23

METROPOLITAN WATER RECLAMATION DISTRICT OF GREATER CHICAGO

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 Engineering, Ecology and Landscape Architecture
 CHICAGO, ILLINOIS 60631
 OFFICE (773) 699-9200
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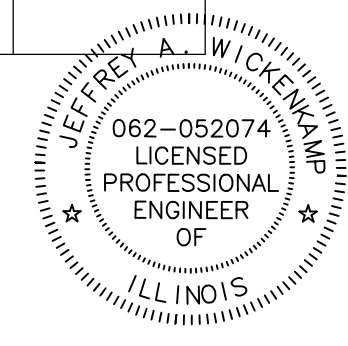
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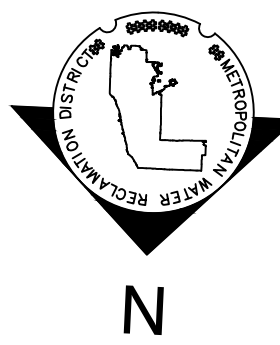
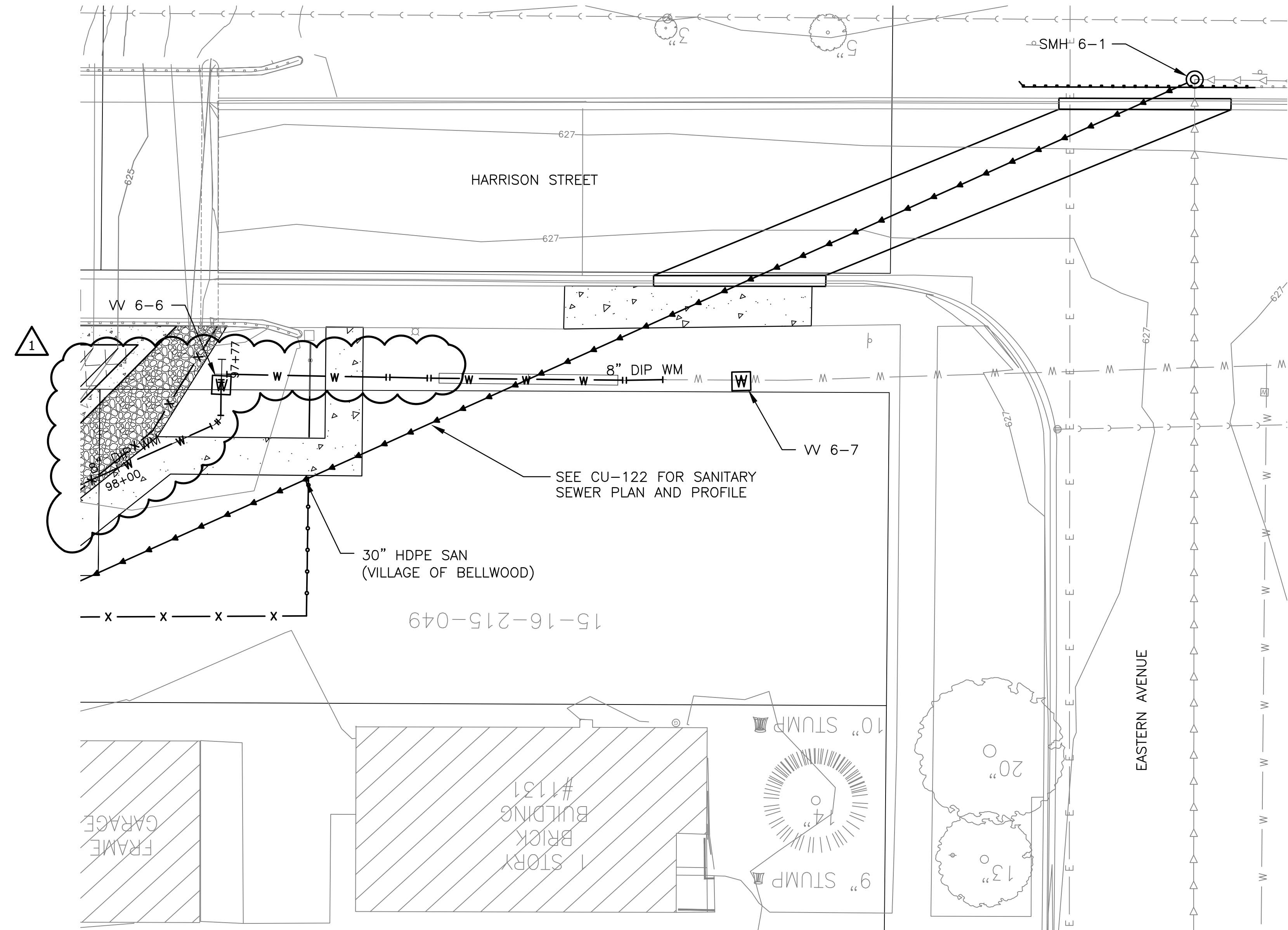
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 REVIEWED BY: JAW
 DATE: 2022

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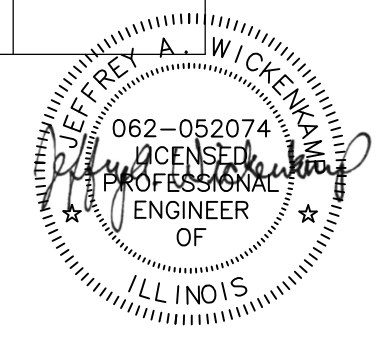
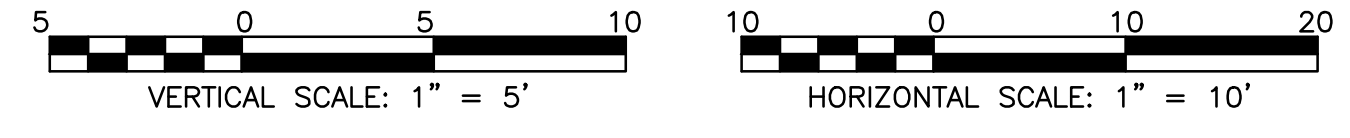
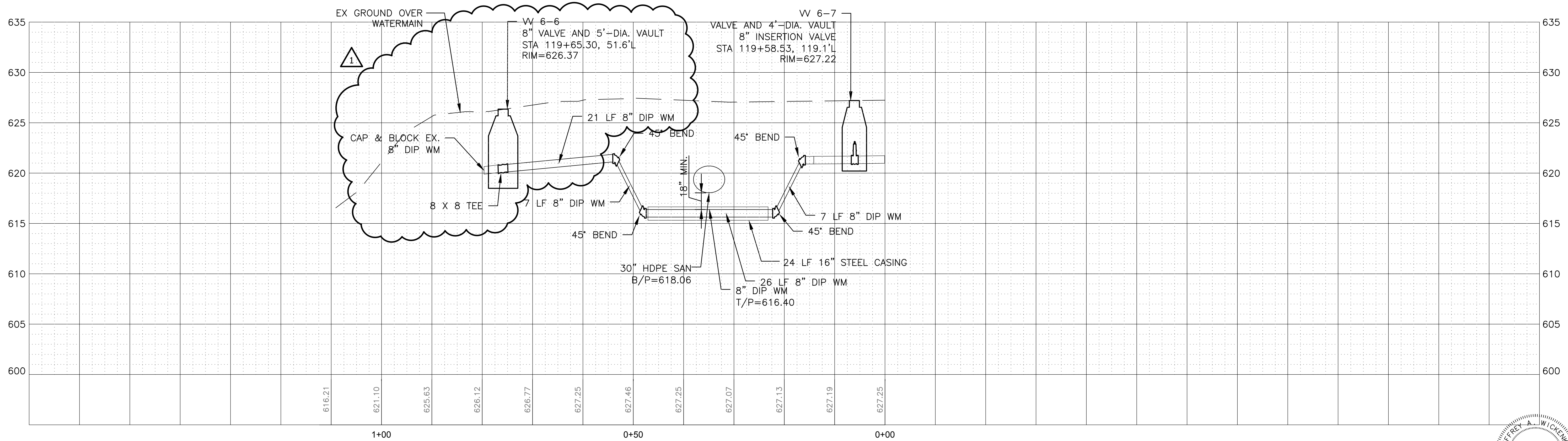
CONTRACT 11-187-3F
 ADDISON CREEK CHANNEL IMPROVEMENTS

UTILITY PLAN - SAN. SEWER - REACH 6
 STA. 120+40 TO STA. 119+36





- NOTES:**
1. SEE CG SHEETS FOR PROPOSED STORM SEWER.
 2. SEE CD AND CR SHEETS FOR PAVEMENT DEMOLITION AND RESTORATION.



Rev.	Description	Appr.	Date
1	ADDENDUM NO. 2	JAW	01/06/23

**METROPOLITAN WATER RECLAMATION DISTRICT
 OF GREATER CHICAGO**

Designed by: TCT
 Checked by: PML
 Drawn by: KSS
 Correct:

Scale: AS SHOWN
 Date: 2022

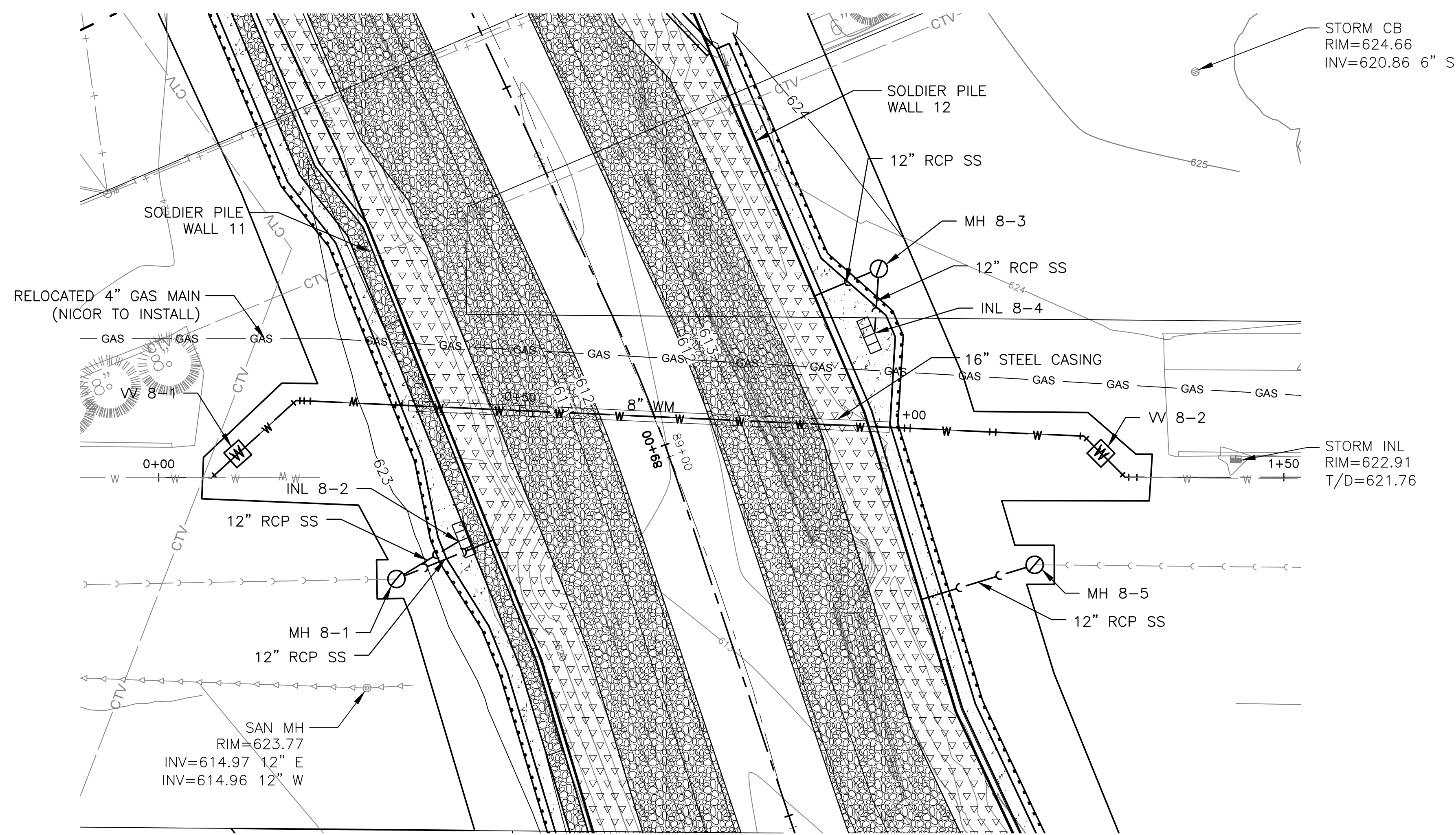
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 Engineering, Ecology and Landscape Architecture
 CHICAGO, ILLINOIS 60631
 OFFICE: (773) 699-5200
 Chicago@HEYASAC.COM
 PROFESSIONAL DESIGN FIRM
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CONTRACT 11-187-3F
 ADDISON CREEK CHANNEL IMPROVEMENTS

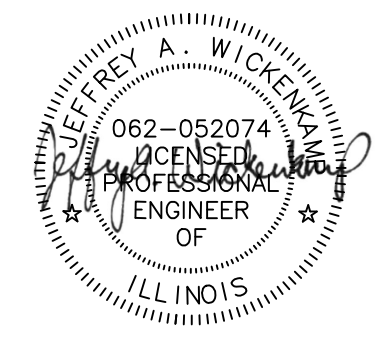
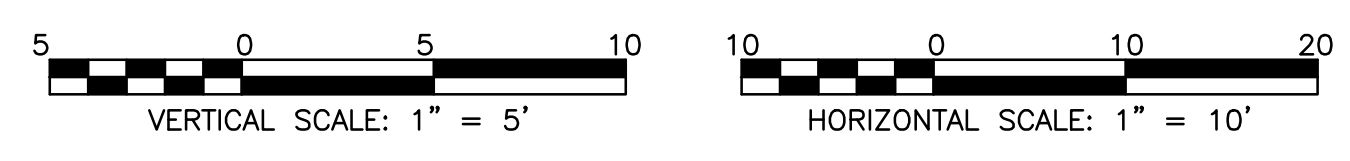
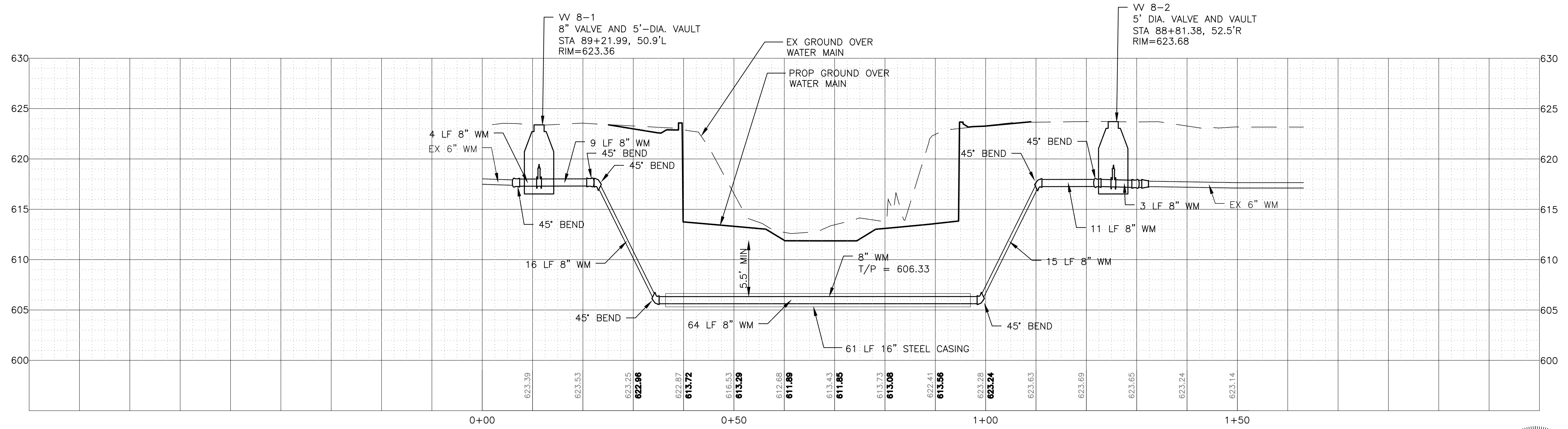
UTILITY PLAN - WATER MAIN - REACH 6
 HARRISON STREET

Sheet Number:
CU-123
 Page Number: 294

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 PLOT DATE: 9/26/2022 3:27 PM PLOTTED BY: KYLE SOLNER



- NOTES:**
1. CONTRACTOR MAY PROPOSE TO DIRECTIONAL BORE WATER MAIN WITH CASING PIPE UNDER ADDISON CREEK IN LIEU OF OPEN CUT INSTALLATION. CONTRACTOR TO COORDINATE WITH ENGINEER.
 2. SEE CG SHEETS FOR PROPOSED STORM SEWER.
 3. SEE CD AND CR SHEETS FOR PAVEMENT DEMOLITION AND RESTORATION.



Rev.	Description	Appr.	Date

**METROPOLITAN WATER RECLAMATION DISTRICT
OF GREATER CHICAGO**

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 Engineering, Ecology and Landscape Architecture
 8755 WEST HIGGINS ROAD, SUITE 835
 CHICAGO, ILLINOIS 60631
 OFFICE (773) 699-9200
 CHICAGO@HEYANSC.COM
 PROFESSIONAL DESIGN FIRM
 LICENSE NO. 184002829

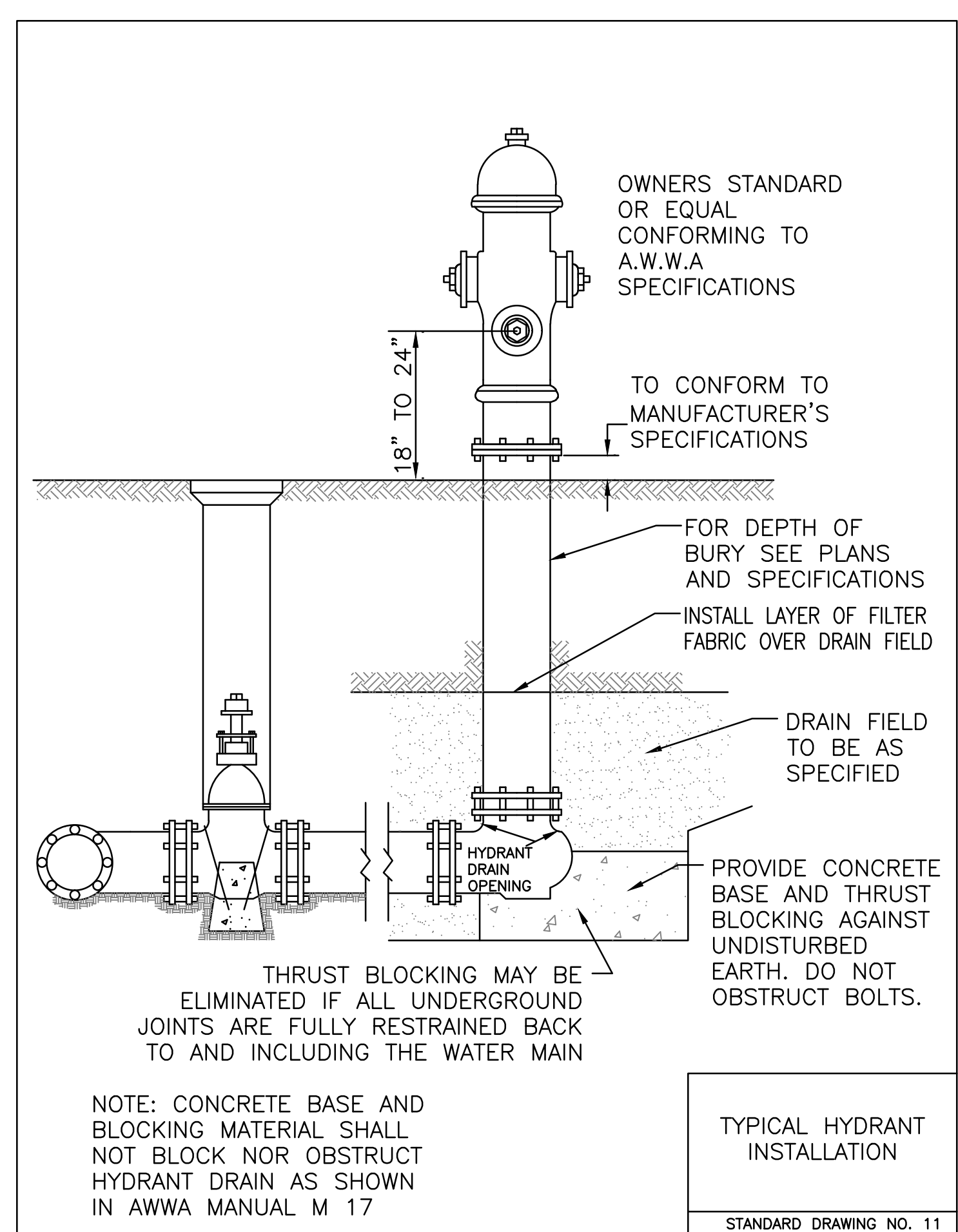
CONTRACT 11-187-3F
 ADDISON CREEK CHANNEL IMPROVEMENTS

UTILITY PLAN - WATER MAIN - REACH 8
 STA. 89+50 TO STA. 88+50

Sheet Number:
CU-124

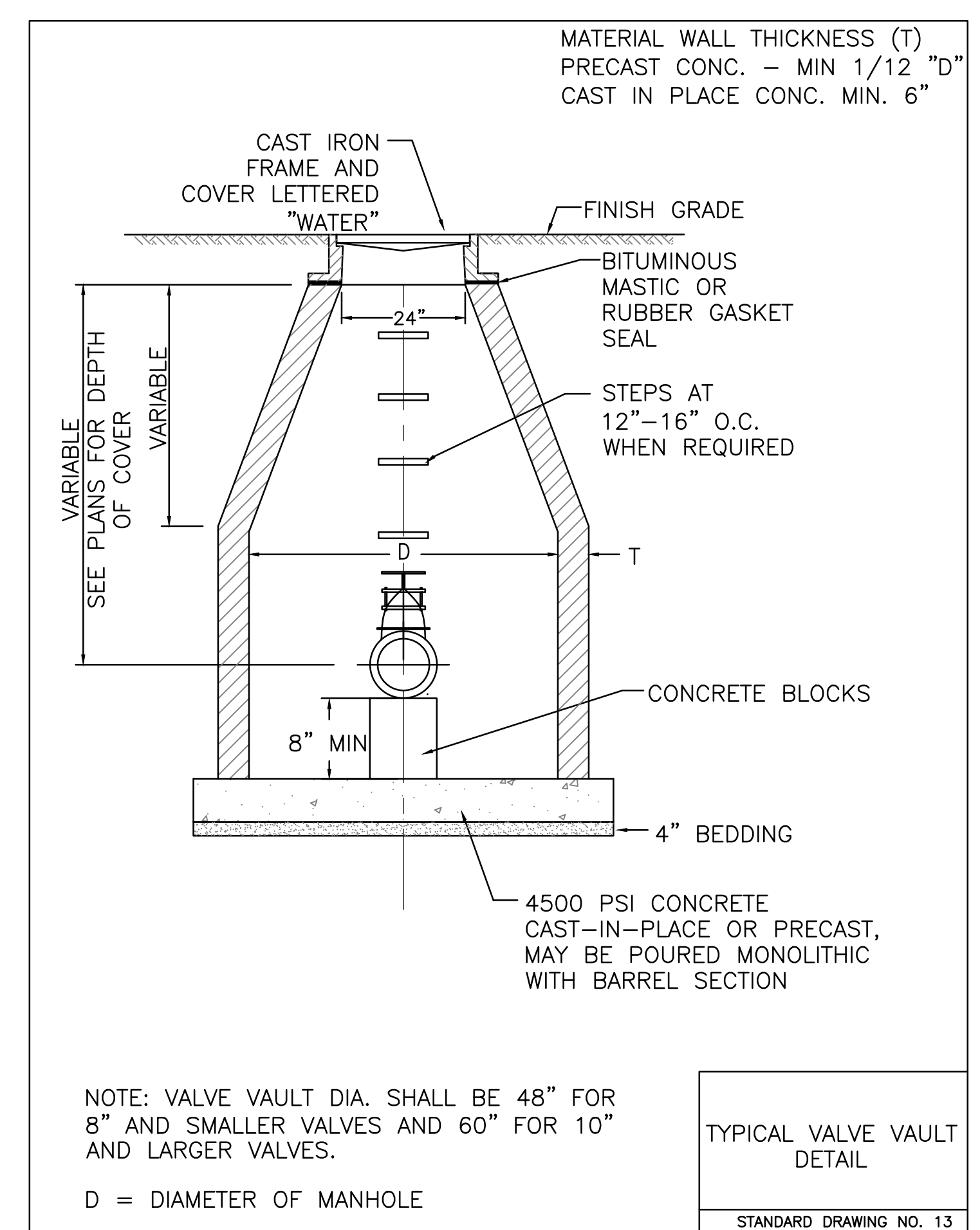
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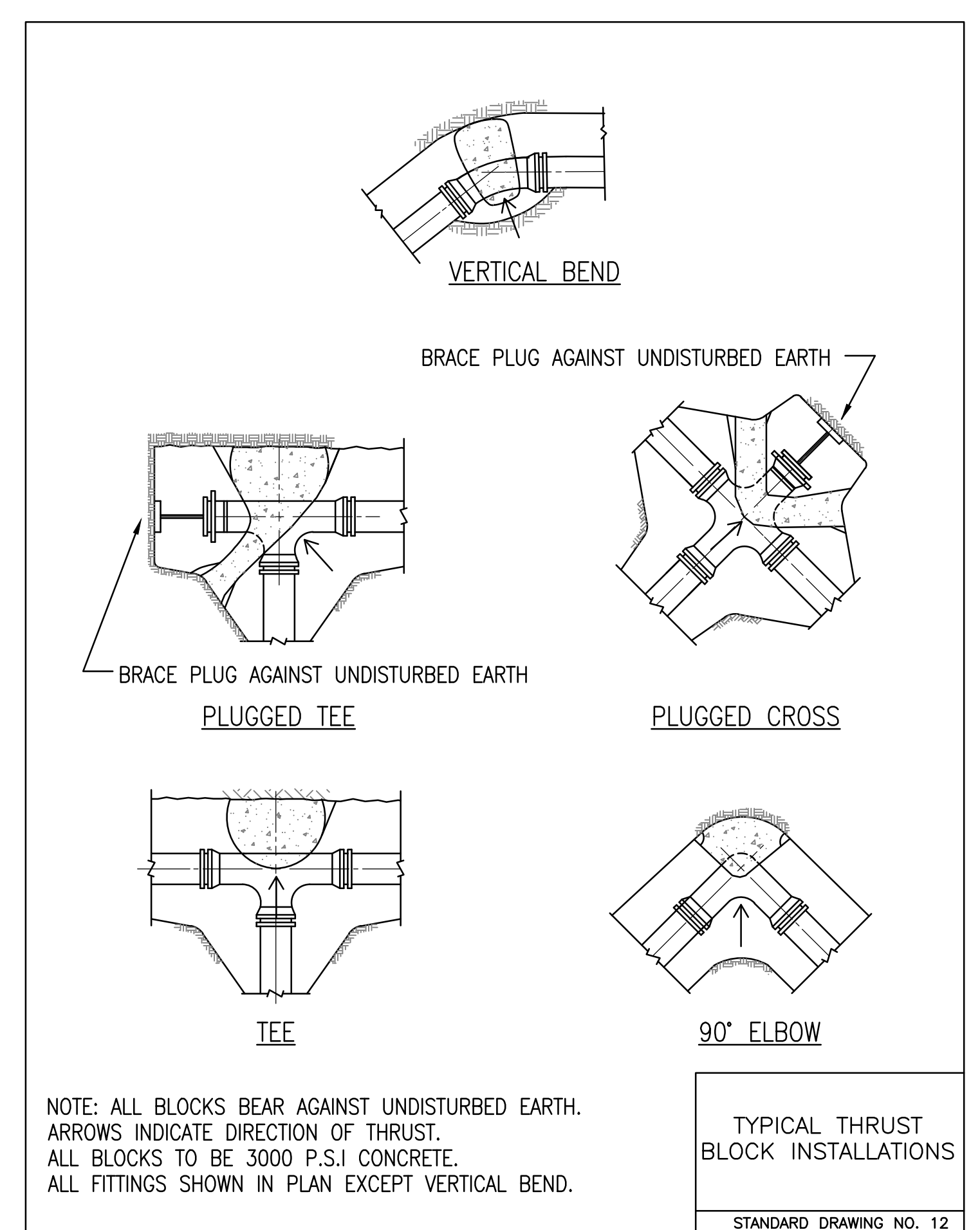
1 TYPICAL HYDRANT DETAIL
 SCALE: NTS

STANDARD DRAWING NO. 11
TYPICAL HYDRANT INSTALLATION



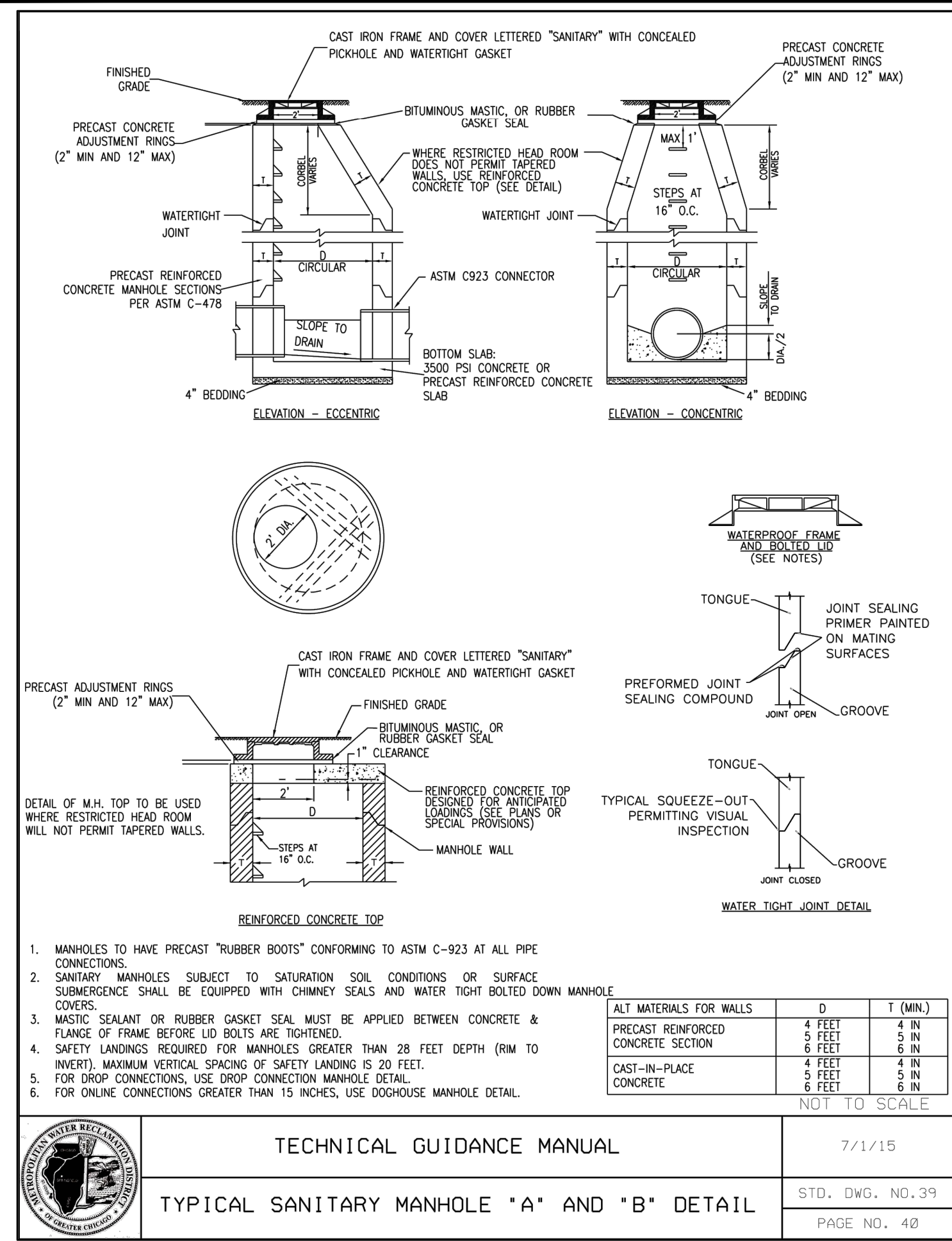
2 TYPICAL VALVE VAULT DETAIL
 SCALE: NTS

STANDARD DRAWING NO. 13
TYPICAL VALVE VAULT DETAIL



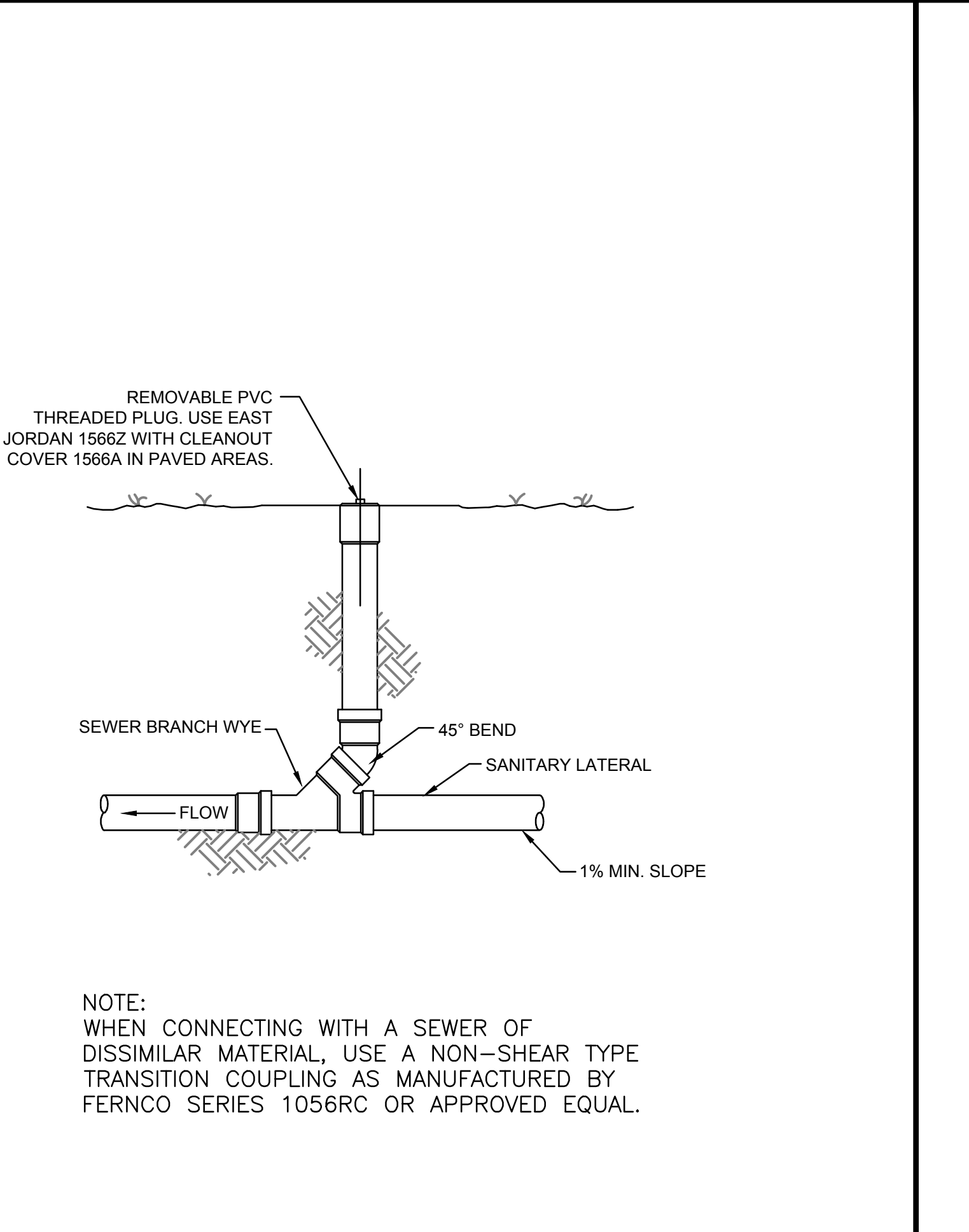
3 THRUST BLOCK DETAIL
 SCALE: NTS

STANDARD DRAWING NO. 12
TYPICAL THRUST BLOCK INSTALLATIONS

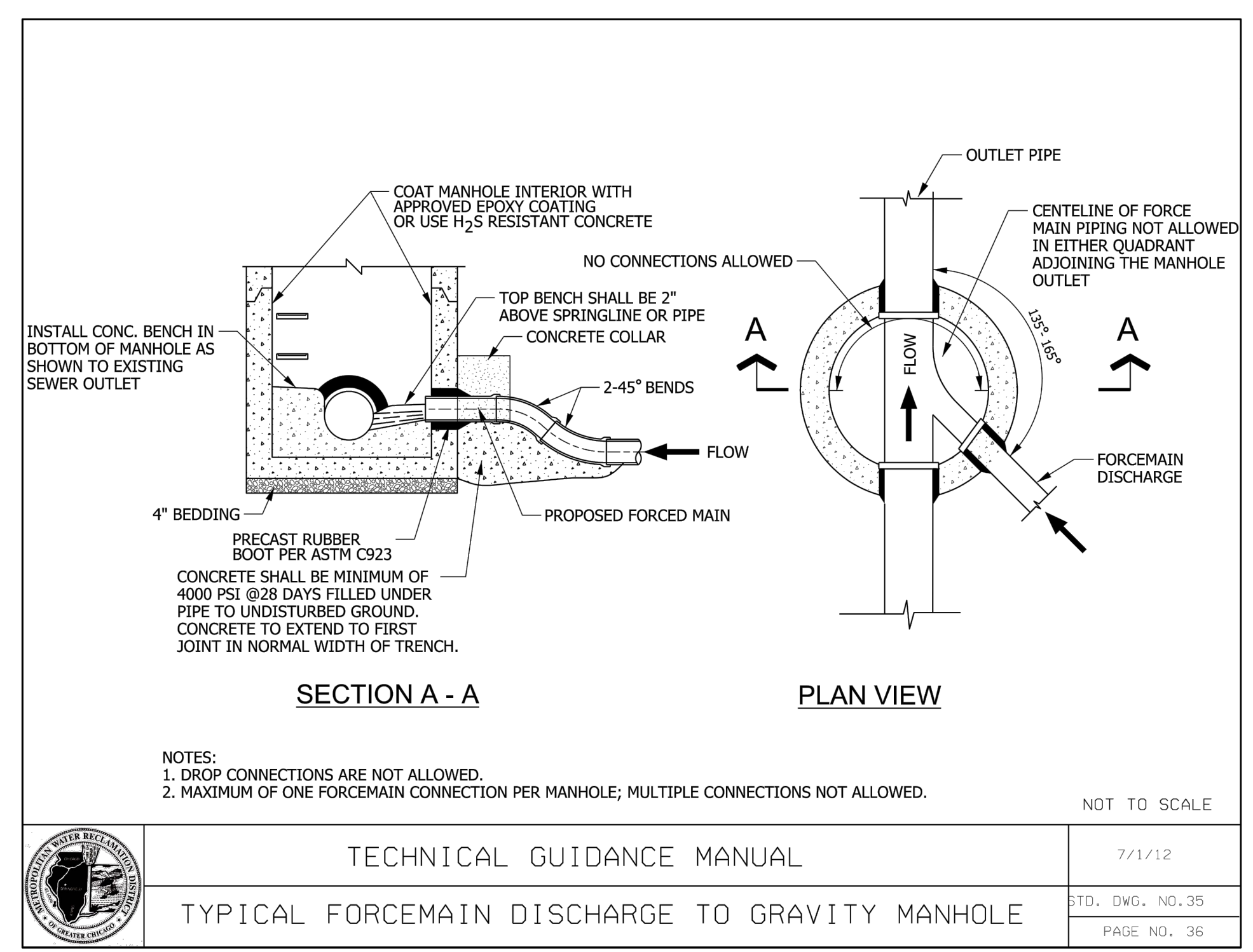


4 SANITARY MANHOLE DETAIL
 SCALE: NTS

TECHNICAL GUIDANCE MANUAL	7/1/15
TYPICAL SANITARY MANHOLE "A" AND "B" DETAIL	STD. DWG. NO. 39 PAGE NO. 40



5 SANITARY CLEANOUT
 SCALE: NTS



6 TYPICAL FORCEMAIN DISCHARGE TO GRAVITY MANHOLE
 SCALE: NTS

TECHNICAL GUIDANCE MANUAL	7/1/12
TYPICAL FORCEMAIN DISCHARGE TO GRAVITY MANHOLE	STD. DWG. NO. 35 PAGE NO. 36

Rev.	Description	Apr.	Date

METROPOLITAN WATER RECLAMATION DISTRICT OF GREATER CHICAGO

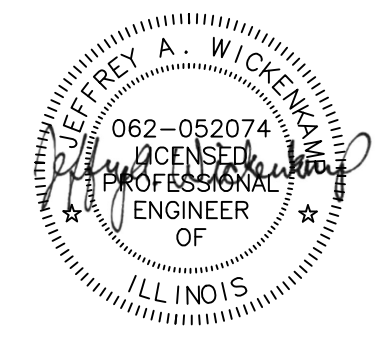
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 Engineering, Ecology and Landscape Architecture
 8755 WEST HERGAS ROAD, SUITE 835
 CHICAGO, ILLINOIS 60631
 OFFICE (773) 696-9200
 CHICAGO@HEYASAC.COM
 PROFESSIONAL DESIGN FIRM
 LICENSE NO. 18404287

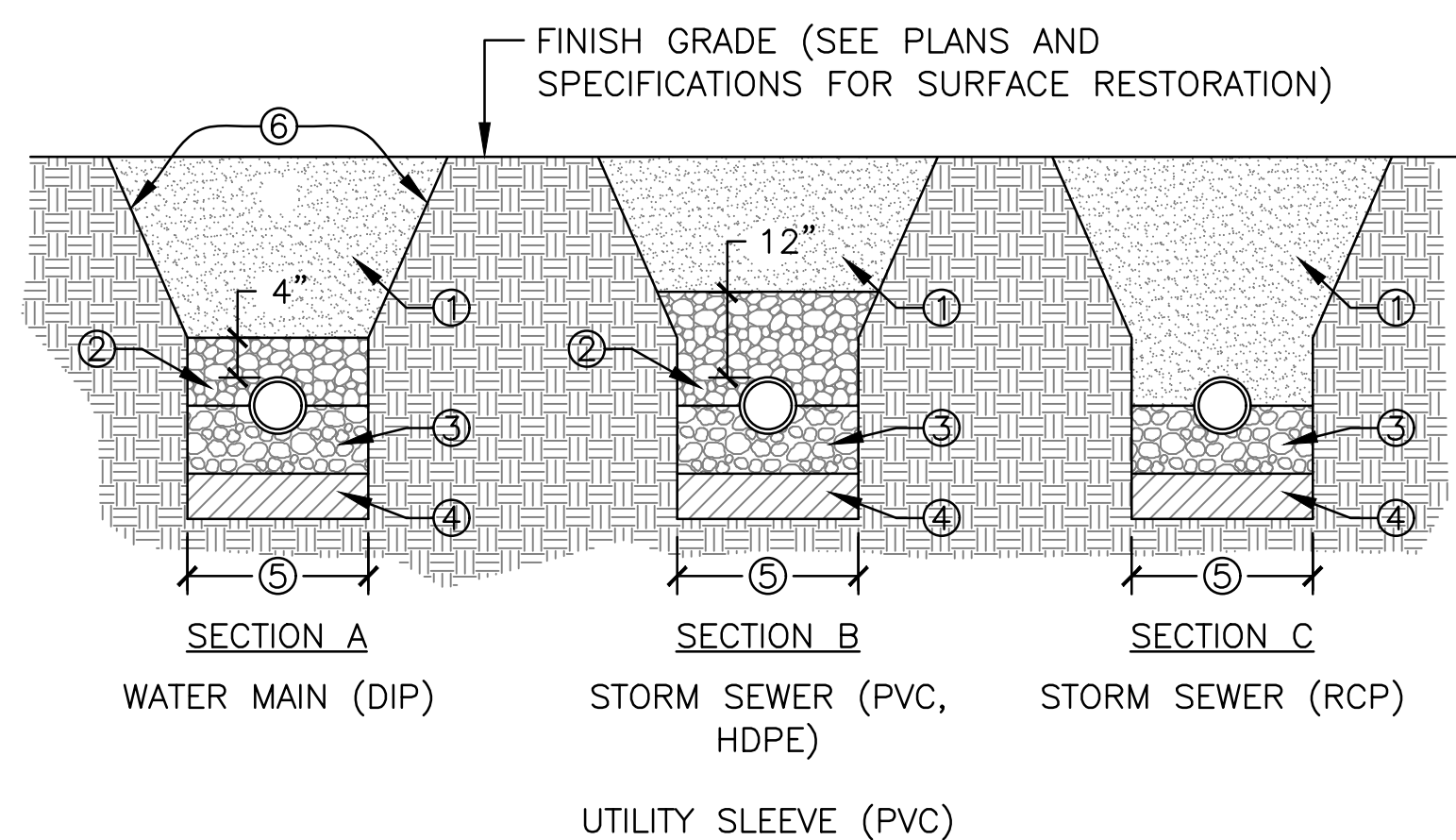
CONTRACT 11-187-3F
 ADDISON CREEK CHANNEL IMPROVEMENTS

UTILITY DETAILS

Sheet Number:	CU-501
Page Number:	296



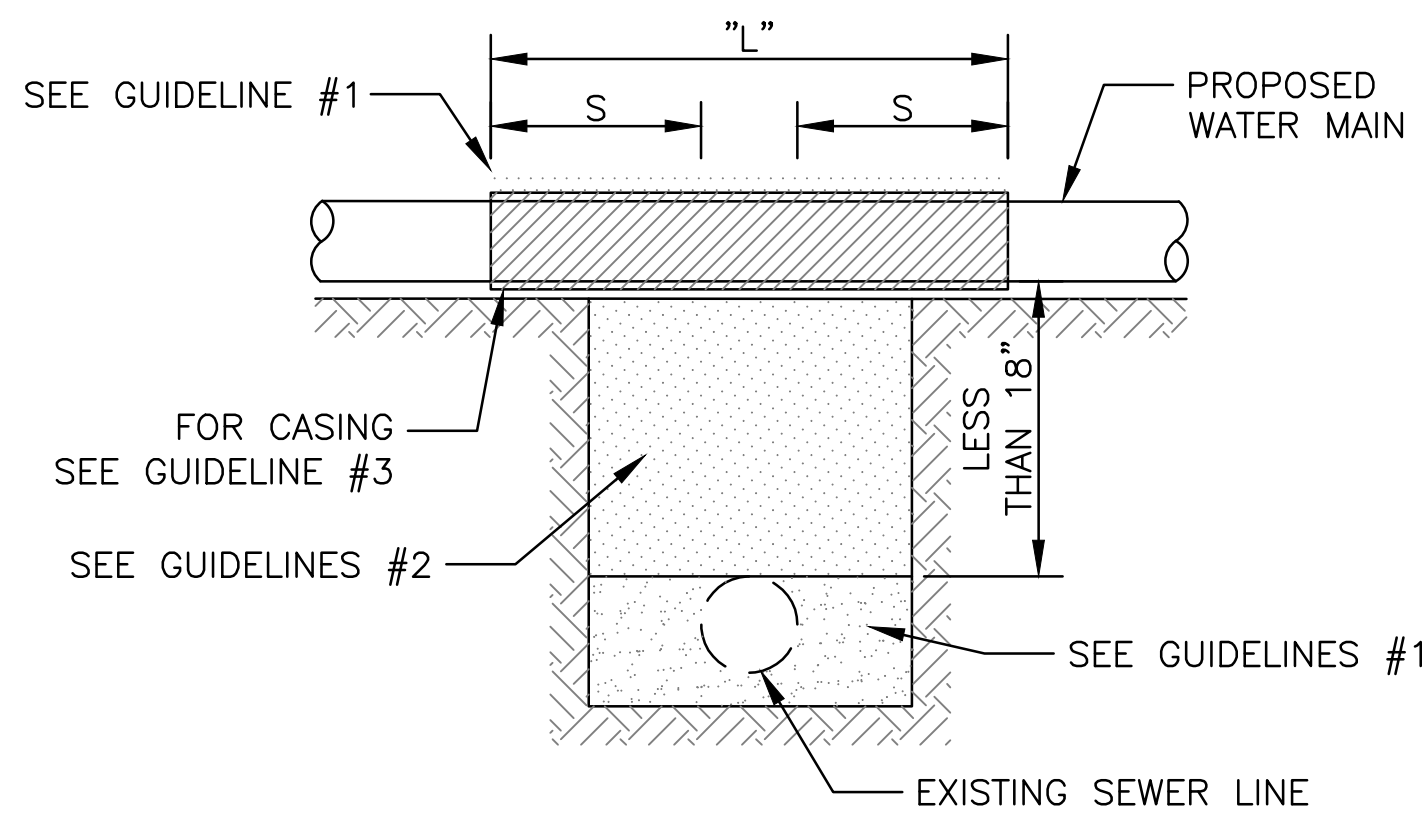
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*SEE DETAIL #1 ON SHEET CU-503 FOR QUALIFIED SEWER (SANITARY SEWER) TRENCH DETAIL

1 TYPICAL TRENCH DETAIL
SCALE: NTS

- ① TRENCH BACKFILL TO SUBGRADE AND WITHIN 2 FEET OF PROPOSED PAVEMENT, DRIVEWAY, CURB AND GUTTER OR SIDEWALK. TRENCH BACKFILL MATERIALS SHALL BE IDOT APPROVED GRADATION:
 - AGGREGATE TYPE A1
 - AGGREGATE TYPE A10
 - AGGREGATE TYPE A11
 COMPACTED TO 90% OF MODIFIED PROCTOR DENSITY. IN NON-STRUCTURAL AREAS BACKFILL WITH SUBSOIL TYPE S1.
- ② INITIAL BACKFILL TO DEPTH AS INDICATED. MATERIAL SHALL BE IDOT APPROVED GRADATION:
 - AGGREGATE TYPE A1
 - AGGREGATE TYPE A2
- ③ PIPE BEDDING SHALL BE AGGREGATE TYPE A5 FROM 4 INCHES BELOW HORIZONTAL CENTER OF PIPE
- ④ UNSUITABLE MATERIAL TO BE REMOVED WHERE DIRECTED BY THE ENGINEER AND REPLACED WITH COMPACTED SUITABLE MATERIAL.
- ⑤ TRENCH WIDTH:
 - PIPE O.D. + 12 INCHES MIN. (FOR PAYMENT PURPOSES)
 - PIPE I.D. + 18 INCHES MAX. (FOR PAYMENT PURPOSES)
 - OR AS NOTED IN STANDARD SPECIFICATIONS FOR WATER AND SEWER MAIN CONSTRUCTION IN ILLINOIS
- ⑥ CONTRACTORS SHALL COMPLY WITH THE LATEST OSHA STANDARDS INCLUDING, BUT NOT LIMITED TO:
 - SLOPING AND BENCHING TRENCHING WALLS
 - TRENCH SUPPORT AND SHORING SYSTEMS
 - SHIELD SYSTEMS AND HAZARDOUS ATMOSPHERES.



NOTE:
 "S" THE LENGTH NECESSARY TO PROVIDE 10 FEET OF SEPARATION AS MEASURED PERPENDICULAR TO THE EXISTING SEWER LINE.

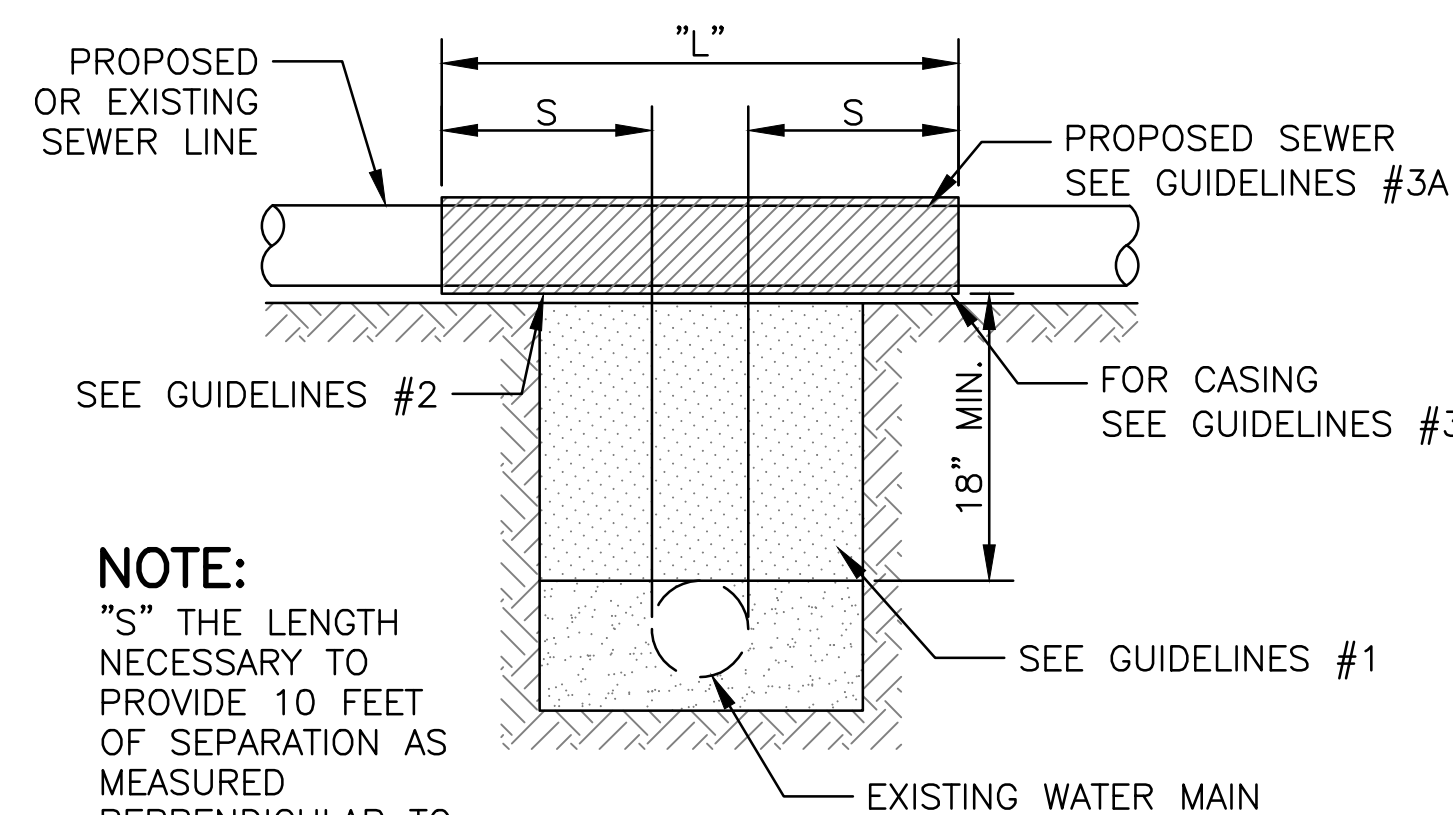
GUIDELINES

1. OMIT SELECT GRANULAR EMBEDMENT AND GRANULAR BACKFILL TO ONE (1) FOOT OVER TOP OF WATER MAIN AND USE SELECT EXCAVATED MATERIAL (CLASS IV) AND COMPACT THE LENGTH OF "L" FEET.
2. IF SELECT GRANULAR BACKFILL EXISTS: REMOVE WITHIN WIDTH OF EXISTING SEWER LINE TRENCH AND REPLACE WITH SELECT EXCAVATED MATERIAL (CLASS IV) AND COMPACT.
3. CONSTRUCT "L" FEET OF WATER MAIN MATERIAL FOR CASING OF PROPOSED WATER MAIN AND SEAL ENDS OF CASING.
4. POINT LOADS SHALL NOT BE ALLOWED BETWEEN WATER MAIN CASING AND SEWER.

2 WATER MAIN VERTICAL SEPARATION DETAIL
SCALE: NTS

PROPOSED SEWER LINE WITH 18" MINIMUM VERTICAL SEPARATION ABOVE EXISTING WATER MAIN

NOTE: COMPACTION REQUIREMENTS REFER TO ARTICLE 20-4 OF THE "STANDARD SPECIFICATIONS FOR WATER & SEWER CONSTRUCTION IN ILLINOIS", 6TH EDITION



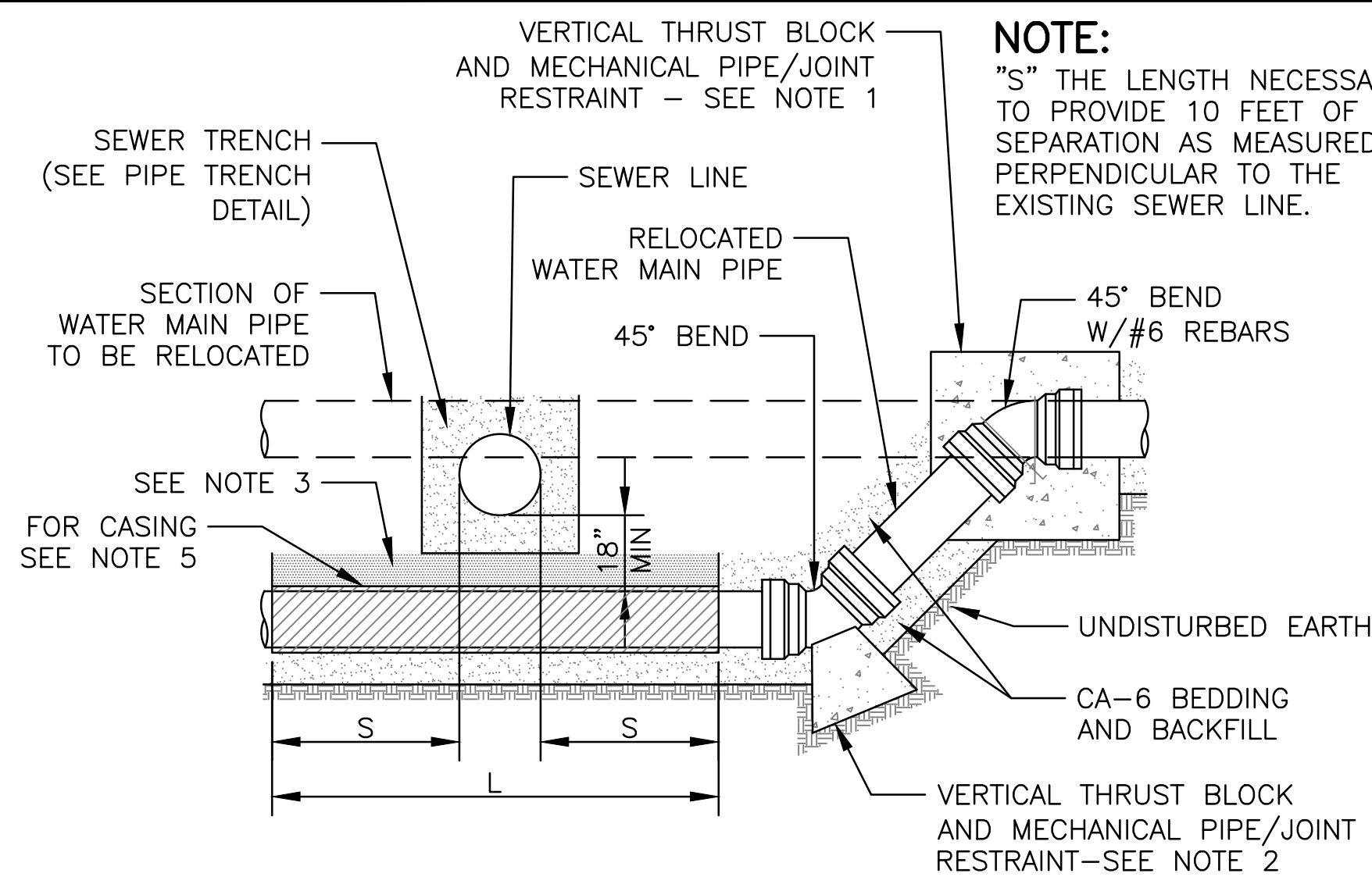
NOTE:

"S" THE LENGTH NECESSARY TO PROVIDE 10 FEET OF SEPARATION AS MEASURED PERPENDICULAR TO THE EXISTING WATER MAIN.

GUIDELINES

1. IF SELECT GRANULAR BACKFILL EXISTS: REMOVE WITHIN WIDTH OF PROPOSED SEWER TRENCH AND REPLACE WITH SELECT EXCAVATED MATERIAL (CLASS IV) AND COMPACT.
2. OMIT SELECT GRANULAR EMBEDMENT AND GRANULAR BACKFILL TO ONE (1) FOOT OVER TOP OF SEWER AND USE SELECT EXCAVATED MATERIAL (CLASS IV) AND COMPACT THE LENGTH OF "L" FEET.
3. A) CONSTRUCT "L" FEET OF PROPOSED SEWER OF WATER MAIN MATERIAL AND PRESSURE TEST, OR; B) USE "L" FEET OF WATER MAIN MATERIAL FOR CASING OF PROPOSED SEWER AND SEAL ENDS OF CASING.

3 VERTICAL SEPARATION DETAIL
SCALE: NTS



NOTE:
 "S" THE LENGTH NECESSARY TO PROVIDE 10 FEET OF SEPARATION AS MEASURED PERPENDICULAR TO THE EXISTING SEWER LINE.

NOTES:

1. THRUST BLOCKS AND PIPE/JOINT RESTRAINTS ARE TO BE PROVIDED AT ALL BENDS.
2. OMIT SELECT GRANULAR EMBEDMENT AND GRANULAR BACKFILL TO ONE (1) FOOT OVER TOP OF WATER MAIN AND USE SELECT EXCAVATED MATERIAL (CLASS IV) AND COMPACT THE LENGTH OF "L".
3. IF SELECT GRANULAR BACKFILL EXISTS, REMOVE WITHIN WIDTH OF SEWER LINE TRENCH AND REPLACE WITH SELECT EXCAVATED MATERIAL (CLASS IV) AND COMPACT.
4. PROVIDE ADEQUATE SUPPORT FOR SEWER LINE TO PREVENT DAMAGE DUE TO SETTLEMENT.
5. USE "L" FEET OF WATER MAIN MATERIAL FOR CASING OF PROPOSED WATER MAIN AND SEAL ENDS OF CASING.
6. COMPACTION REQUIREMENTS REFER TO ARTICLE 20-4 OF THE "STANDARD SPECIFICATIONS FOR WATER & SEWER CONSTRUCTION IN ILLINOIS", 6TH EDITION.

STEPS:

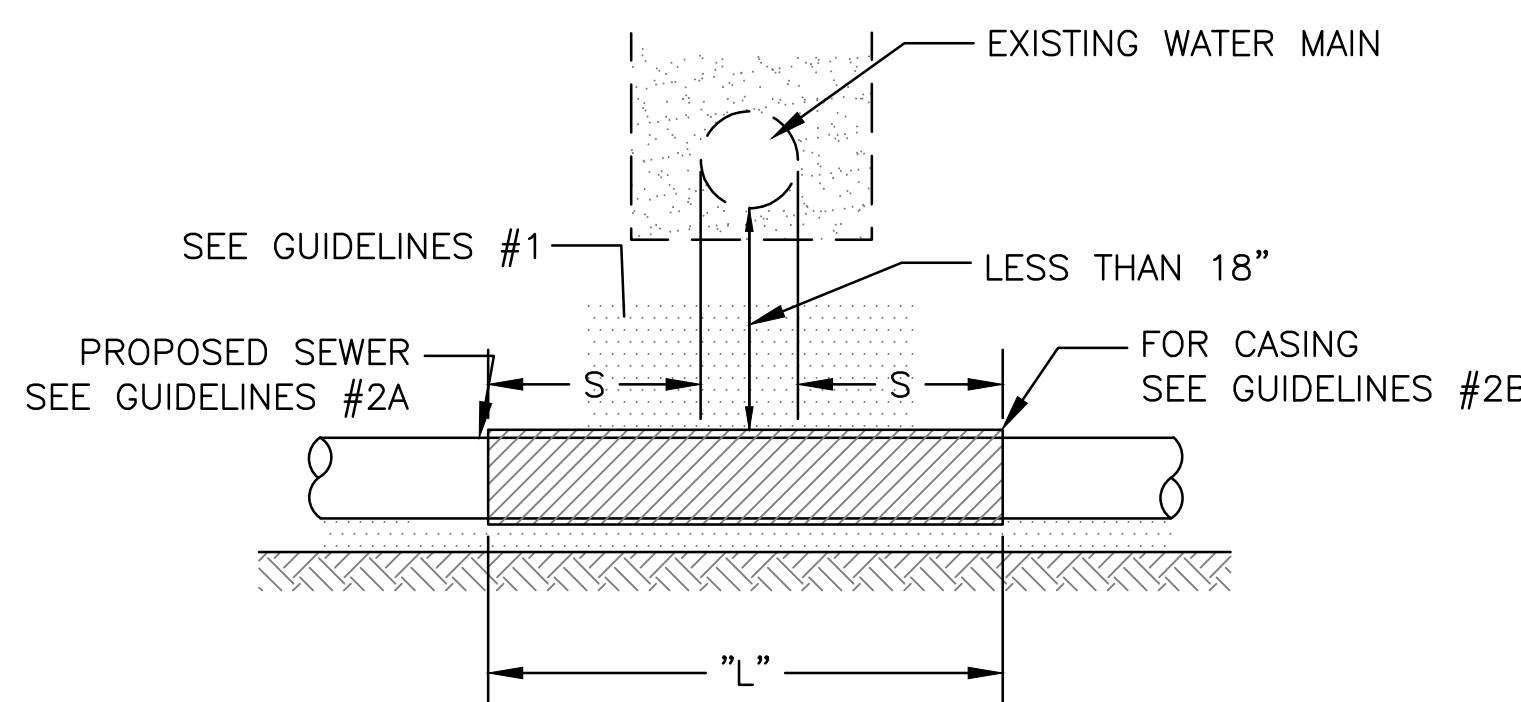
- ① INSTALL PRESSURE CONNECTION & VALVE.
- ② INSTALL 12" LINE STOP.
- ③ INSTALL WATER MAIN ON NEW VERTICAL & HORIZONTAL ALIGNMENT. INSTALL TEMPORARY CAP, DO NOT CONNECT TO EX. WATER MAIN, PRESSURE TEST, FLUSH WITH 2" WHIP, AND DISINFECT.
- ④ REMOVE TEMPORARY CAP. CLOSE LINE STOP AND NORTH VALVE. 4 HR SHUT-DOWN MAX. CONNECT TO EX. WATER MAIN WITH 45° ELBOW. INSTALL THRUST BLOCKING. 4 HR SHUT-DOWN MAX.
- ⑤ CAP EX. WATER MAIN. INSTALL THRUST BLOCKING. 4 HR SHUT-DOWN MAX.
- ⑥ ABANDON OR REMOVE EX. WATER MAIN AS NECESSARY. FILL WITH CLSM IF ABANDONED.

⊞ THRUST BLOCKING

4 WATERMAIN RELOCATION
SCALE: NTS

PROPOSED SEWER LINE BELOW EXISTING WATER MAIN WITH LESS THAN 18" MINIMUM VERTICAL SEPARATION

NOTE: COMPACTION REQUIREMENTS REFER TO ARTICLE 20-4 OF THE "STANDARD SPECIFICATIONS FOR WATER & SEWER CONSTRUCTION IN ILLINOIS", 6TH EDITION



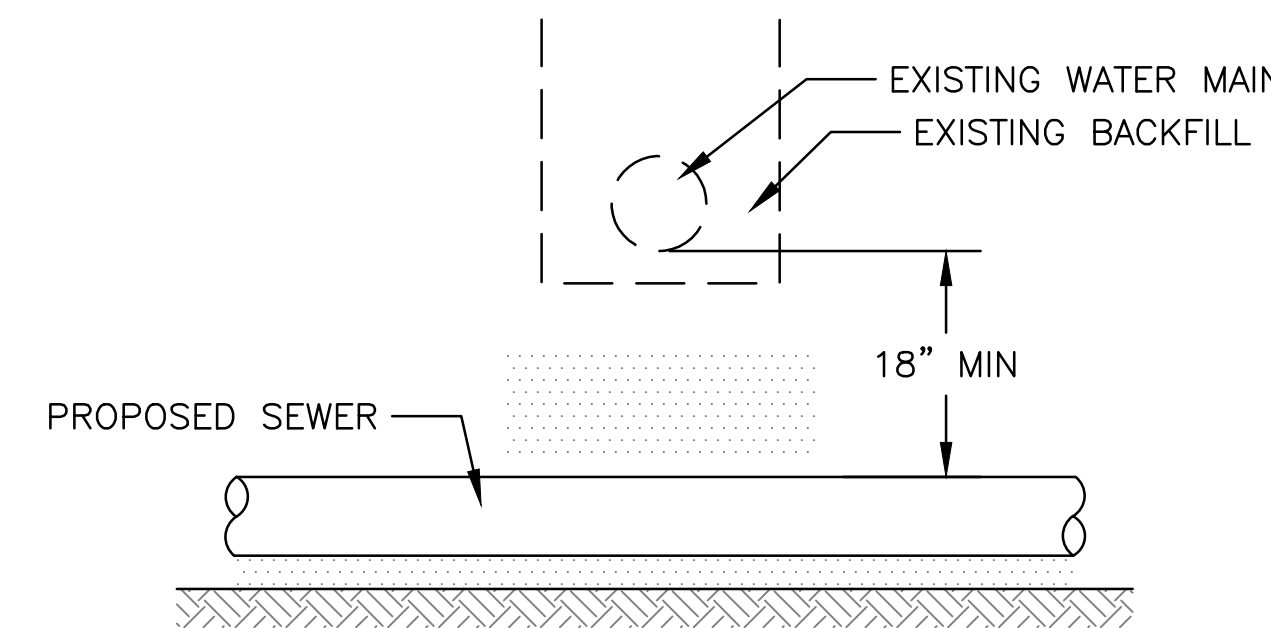
NOTE:
 "S" THE LENGTH NECESSARY TO PROVIDE 10 FEET OF SEPARATION AS MEASURED PERPENDICULAR TO THE EXISTING WATER MAIN.

GUIDELINES

1. OMIT SELECT GRANULAR EMBEDMENT AND GRANULAR BACKFILL TO ONE (1) FOOT OVER TOP OF SEWER AND USE SELECT EXCAVATED MATERIAL (CLASS IV) AND COMPACT FOR "S" FEET ON EACH SIDE OF WATER MAIN.
2. A) CONSTRUCT "L" FEET OF PROPOSED SEWER OF WATER MAIN MATERIAL AND PRESSURE TEST, OR; B) USE "L" FEET OF WATER MAIN MATERIAL FOR CASING OF PROPOSED SEWER AND SEAL ENDS OF CASING.
3. PROVIDE ADEQUATE SUPPORT FOR EXISTING WATER MAIN TO PREVENT DAMAGE DUE TO SETTLEMENT OF SEWER TRENCH.

5 VERTICAL SEPARATION SEWER BELOW DETAIL
SCALE: NTS

PROPOSED SEWER LINE BELOW EXISTING WATER MAIN WITH 18" MINIMUM VERTICAL SEPARATION.



GUIDELINES

1. PROVIDE ADEQUATE SUPPORT FOR EXISTING WATER MAIN TO PREVENT DAMAGE DUE TO SETTLEMENT OF SEWER TRENCH

6 VERTICAL SEPARATION NO PIPE PROTECTION DETAIL
SCALE: NTS

Rev.	Description	Appr.	Date

METROPOLITAN WATER RECLAMATION DISTRICT OF GREATER CHICAGO

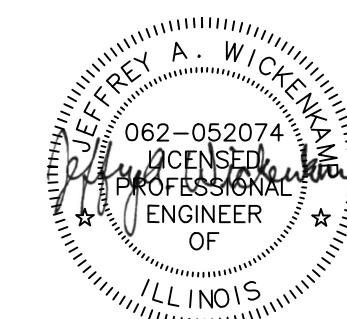
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 Engineering, Ecology and Landscape Architecture
 8755 WEST HERCULES ROAD, SUITE 835
 CHICAGO, ILLINOIS 60631
 OFFICE (773) 696-9200
 CHICAGO@HEYASAC.COM

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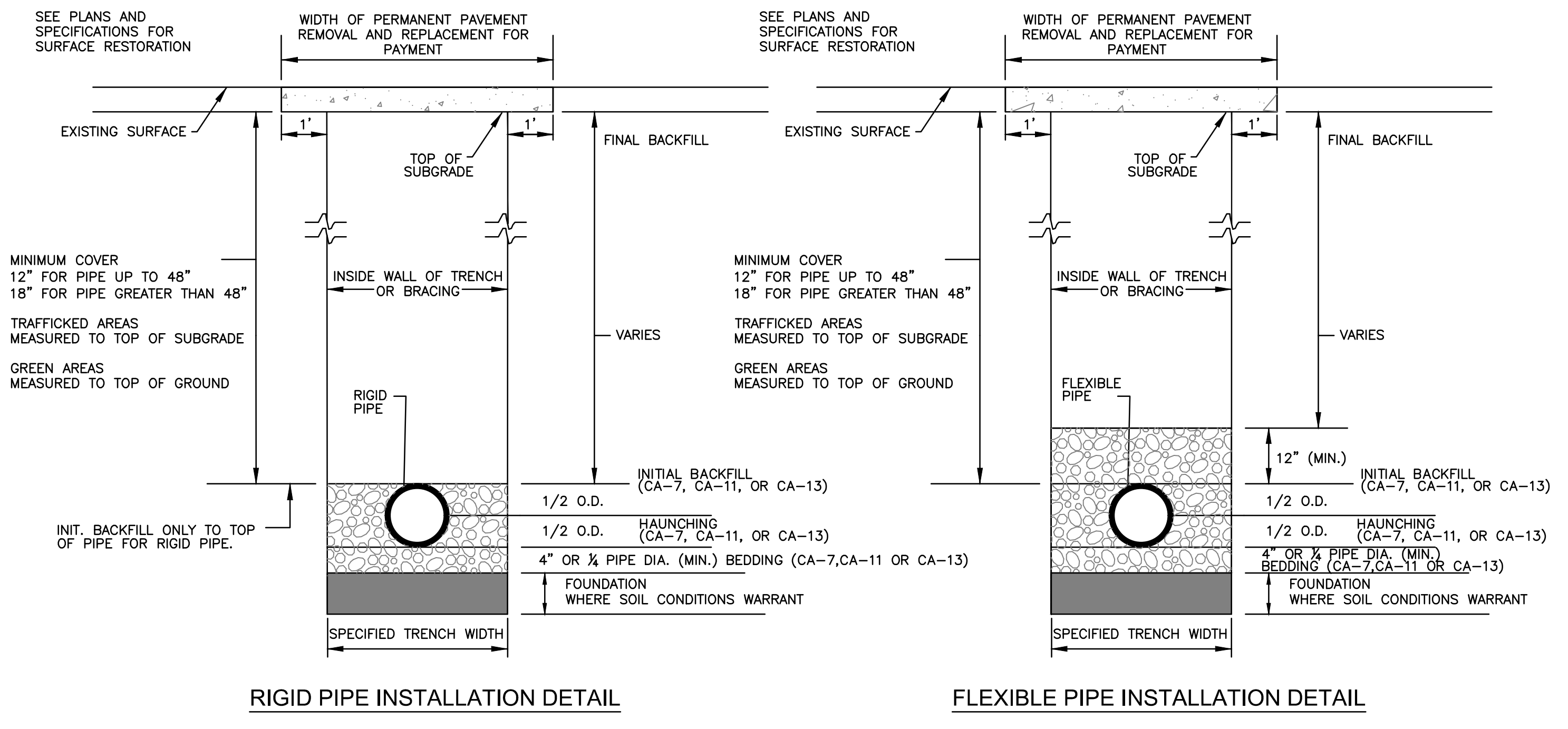
CONTRACT 11-187-3F
 ADDISON CREEK CHANNEL IMPROVEMENTS

UTILITY DETAILS

Sheet Number:
CU-502
 Page Number: 297

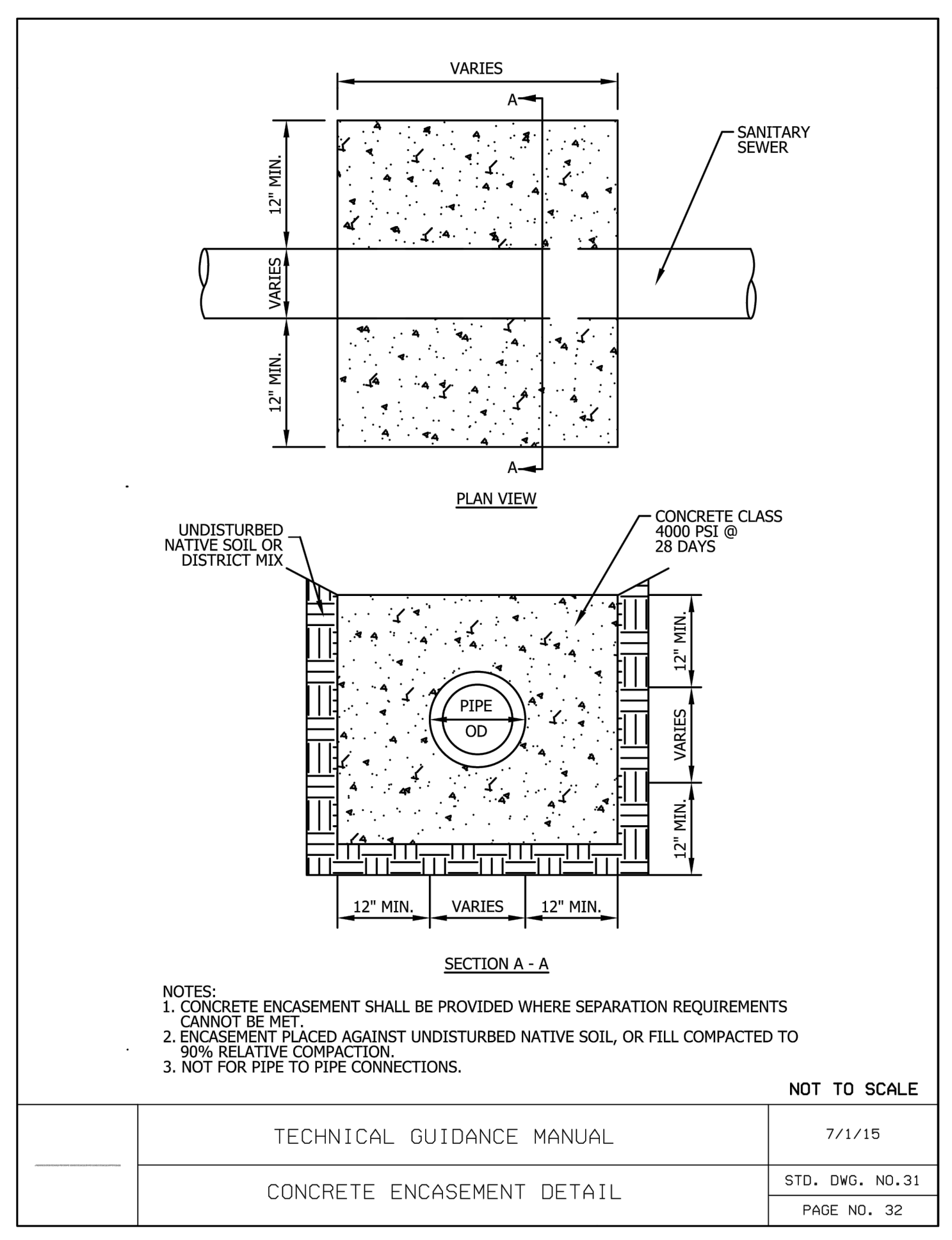


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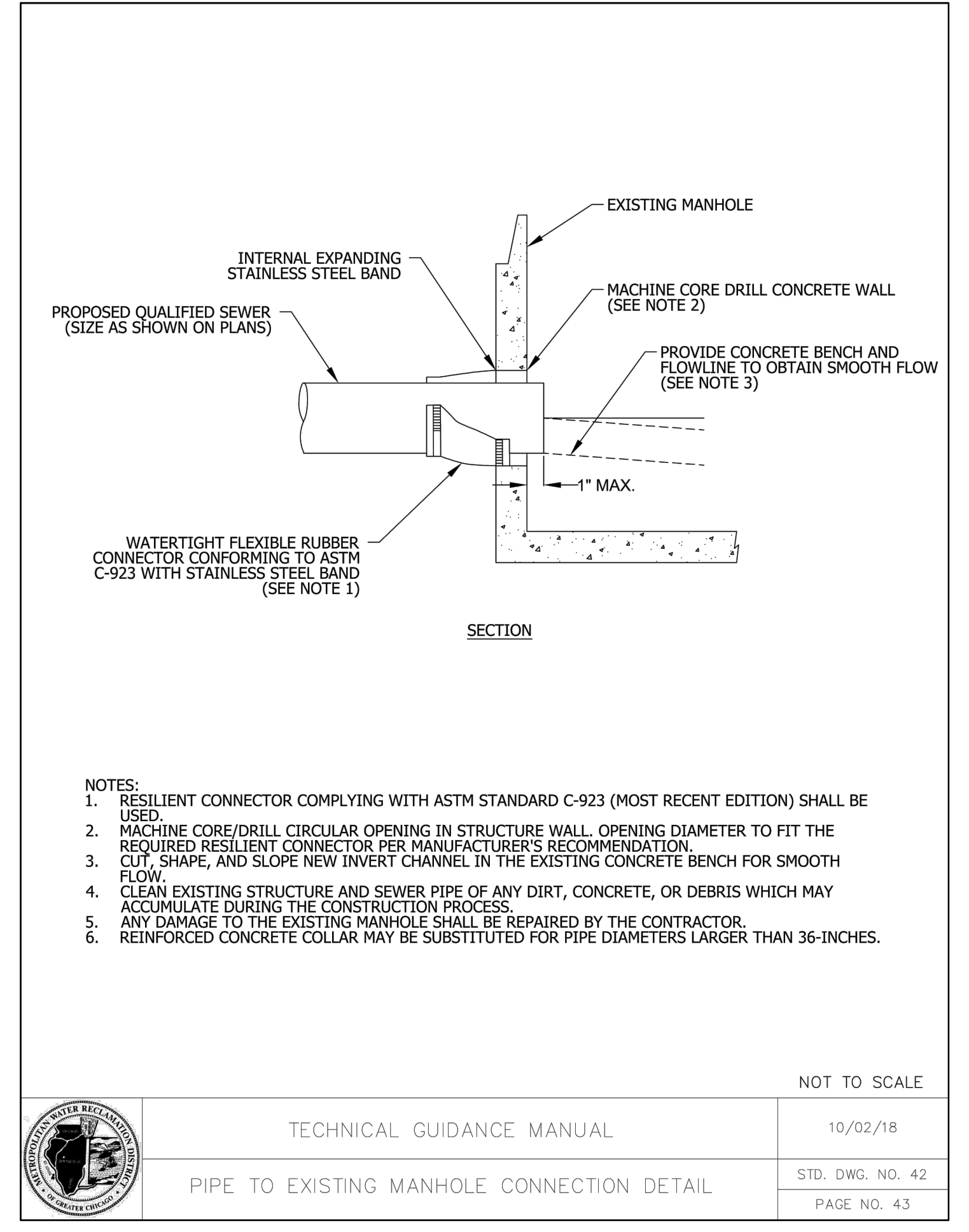


NOTES:
 1. FOR QUALIFIED SEWER CONSTRUCTION ONLY.
 2. SHORING, OR EQUIVALENT PROTECTIVE SYSTEM, REQUIRED FOR TRENCHES OF 5' DEPTH OR GREATER, OR AS REQUIRED BY MUNICIPALITY.

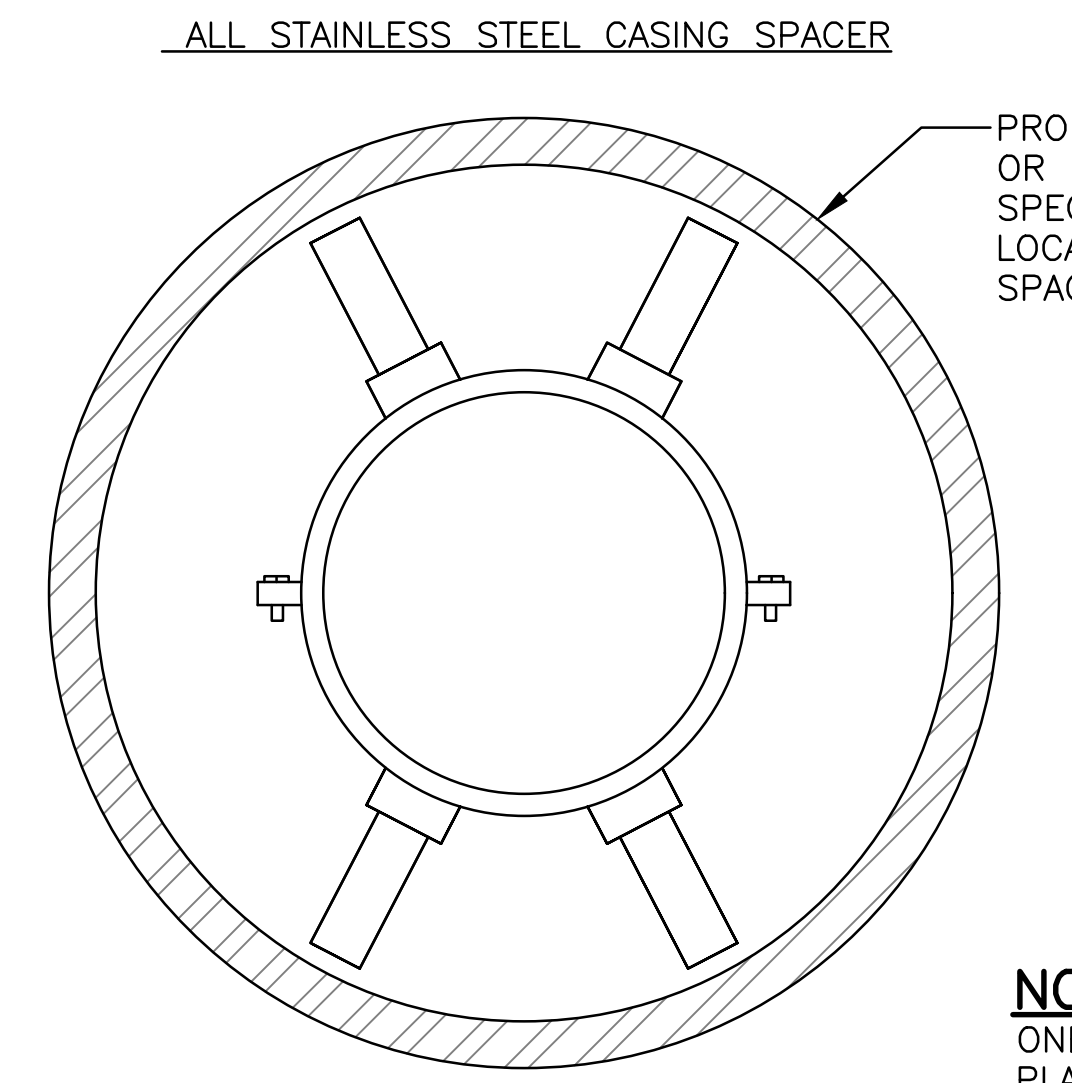
1 RIGID AND FLEXIBLE PIPE INSTALLATION - QUALIFIED SEWER
 SCALE: NTS



2 CONCRETE ENCASEMENT DETAIL
 SCALE: NTS



3 PIPE TO EXISTING MANHOLE CONNECTION DETAIL
 SCALE: NTS



CASING PIPE REQUIREMENTS:

- CASING PIPE SHALL BE NEW WELDED STEEL PIPE CAPABLE OF WITHSTANDING A MIN. FORCE OF 35,000 PSI AND SHALL MEET THE REQUIREMENTS OF ASTM-139, GRADE B.
- THE FOLLOWING TABLE SHALL DETERMINE THE DIAMETER SIZE AND WALL THICKNESS OF THE STEEL CASING PIPE:

PIPE DIA.	CASING DIA.	MIN. WALL THICKNESS
4"	12"	0.250"
6"	12"	0.250"
8"	16"	0.282"
10"	20"	0.344"
30" (HDPE)	42"	0.625"

- ENDS OF CASING PIPE SHALL BE SEALED WITH BRICK AND MORTAR PRIOR TO BACKFILLING.
- ALTERNATE CASING PIPE MATERIALS MUST BE WATER MAIN QUALITY.

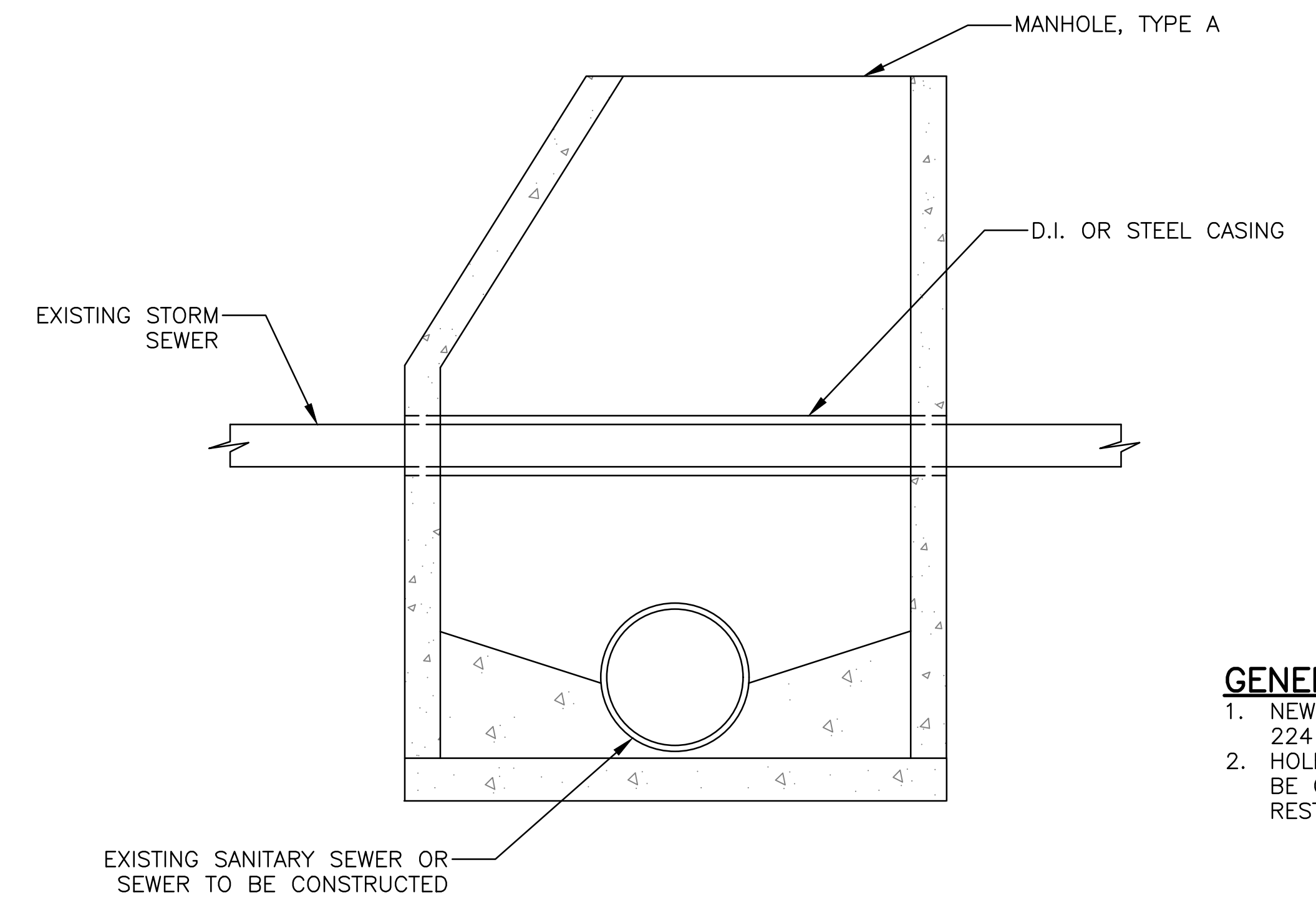
MATERIAL SPECIFICATIONS:

- SHELL & RISER TO BE A MIN. 14 GAUGE T 304 STAINLESS STEEL
- FASTENERS TO BE 5/16" T 304 STAINLESS STEEL
- LINER TO BE PVC 090 THICK 85-90 DUROMETER
- RUNNERS TO BE ULTRA HIGH MOLECULAR WEIGHT POLYMER

NOTE:
 ONE SPACER SHALL BE PLACED NOT MORE THAN TWO FEET FROM EACH END OF CASING. SUBSEQUENT SPACERS SHALL BE PLACED AT 10' INTERVALS WITHIN THE CASING.

CENTERED: POSITIONS CARRIER IN CENTER OF CASING. PROVIDES RESTRAINT AGAINST MOVEMENT. BEST MECHANICALLY RESTRAINED PIPE JOINTS.

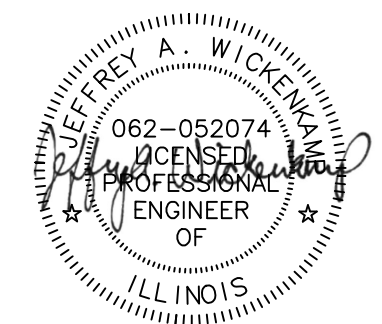
4 CASING PIPE & ALL STAINLESS STEEL CASING SPACER DETAIL
 SCALE: NTS



5 CONFLICT MANHOLE DETAIL
 SCALE: NTS

GENERAL NOTES:

- NEW PVC SANITARY SEWER TO BE ASTM 2241.
- HOLES FOR STORM CASING AND MAIN TO BE CORED INTO STRUCTURE WALLS & RESTORED WITH HYDRAULIC CEMENT.



Rev.	Description	Appr.	Date

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Designed by: TCT
 Checked by: PML
 Drawn by: KSS
 Correct: JAW

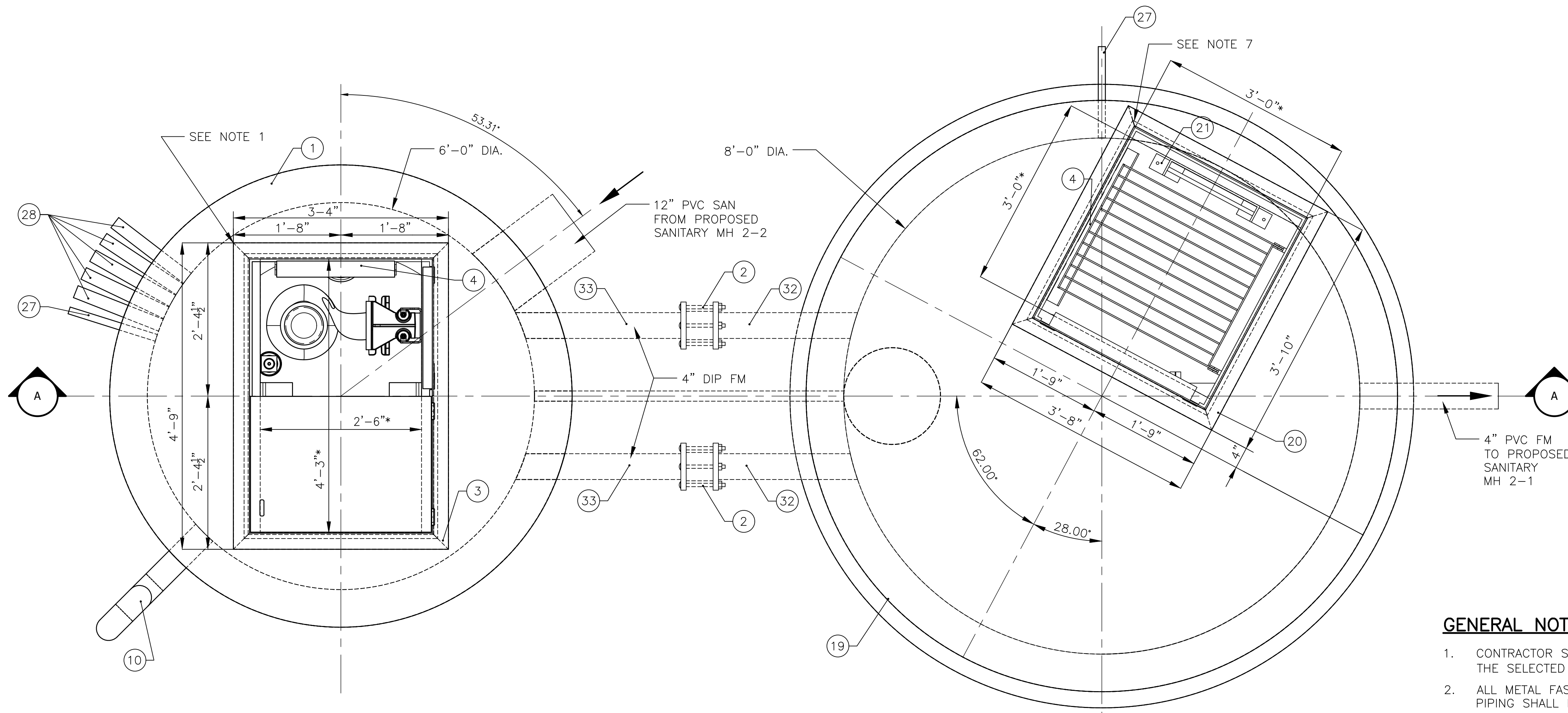
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Hey and Associates, Inc.
 Engineering, Ecology and Landscape Architecture
 8755 WEST HIGGINS ROAD, SUITE 835
 CHICAGO, ILLINOIS 60631
 OFFICE (773) 699-2000
 CELL (773) 699-2000
 CHICAGO@HEYASAC.COM
 ILLINOIS LICENSE NO. 18406287

CONTRACT 11-187-3F
 ADDISON CREEK CHANNEL IMPROVEMENTS

UTILITY DETAILS

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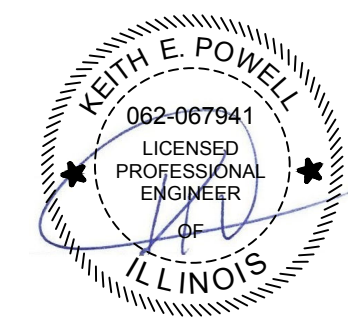
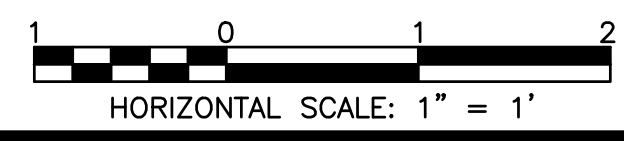
PLAN AT - ELEV 637.60

1 LIFT STATION - REACH 2
 SCALE: 1"=1'

ITEM NO.	PART NUMBER	DESCRIPTION
1	CONCRETE WET WELL	
2	4" FLANGE ADAPTER	DUCTILE IRON
3	AHD-30x51	H-20 LOAD RATED
4	SAFETY GRATE	
5	UPPER GUIDE RAIL SUPPORTS	FOR 2" RAIL SYSTEM
6	4" MTM ELBOW	
7	4" MTM SEALING FLANGE	
8	S4NRC - S4NVX	HYDROMATIC OR APPROVED EQUAL SEWAGE PUMP
9	2" GUIDE RAIL	DUCTILE IRON
10	4" VENT PIPING	DUCTILE IRON
11	FLOAT: OFF LEVEL	SUBMERSIBLE LEVEL SWITCH
12	FLOAT: PUMP No. 1 ON	SUBMERSIBLE LEVEL SWITCH
13	FLOAT: PUMP No. 2 ON	SUBMERSIBLE LEVEL SWITCH
14	FLOAT: ALARM LEVEL	SUBMERSIBLE LEVEL SWITCH
15	FLOAT MOUNTING BRACKET	STAINLESS STEEL
16	ANCHOR	1016s CAST IRON, WITH STAINLESS STEEL CHAIN FOR LEVEL CONTROL MOUNTING
17	VEGAPULS WL61	RADAR LEVEL SENSOR
18	RADAR MOUNTING BRACKET	STAINLESS STEEL
19	CONCRETE VALVE VAULT	
20	AHS-36x36	HEAVY DUTY ALUM. HATCH H2O LOADING
21	LADDER	ALUMINUM LADDER
22	SH30i OR APPROVED EQUAL	1/3 HP, 115 V SUMP PUMP
23	1-1/2" SUMP DISCHARGE	SCH 80 PVC
24	1-1/2" CHECK VALVE	SCH 80 PVC
25	4" S.R. ELBOW	DUCTILE IRON
26	4" PLUG VALVE	DUCTILE IRON
27	CONDUIT	SEE NOTE 3
28	CONDUIT	SEE NOTE 3
29	4" BLIND FLANGE	DUCTILE IRON
30	4" DIP TEE	DUCTILE IRON
31	4" SWING FLEX CHECK VALVE	DUCTILE IRON
32	4" PIEP SPOOL PE/PE	DUCTILE IRON
33	4" PIPE SPOOL FLG/PE	DUCTILE IRON

GENERAL NOTES:

- CONTRACTOR SHALL CONFIRM SIZE AND LOCATION OF THE WET WELL HATCH PER THE SELECTED HATCH AND PUMP MANUFACTURERS' RECOMMENDATIONS.
- ALL METAL FASTENINGS INSIDE WET WELL SHALL BE TYPE 316 STAINLESS STEEL. PIPING SHALL BE COATED IN ACCORDANCE WITH THE SPECIFICATIONS.
- REFER TO THE ELECTRICAL DRAWINGS AND SPECIFICATIONS FOR DETAILS.
- THE QUANTITIES AND SIZES SPECIFIED ON THE DRAWINGS SHALL BE CONFIRMED PRIOR TO ORDERING ANY ITEMS.
- THE WET WELL AND VALVE VAULT SHALL BE WATERTIGHT, AND ALL PENETRATIONS SHALL HAVE A WATERTIGHT SEAL.
- PRIOR TO CONSTRUCTION OF THE WET WELL AND VALVE VAULT, THE CONTRACTOR SHALL SUBMIT SHOP DRAWINGS OF THE WET WELL AND VALVE VAULT LAYOUTS WHICH SHALL INCLUDE PUMPS, PIPING, VALVES, ACCESS HATCHES, ELEVATIONS AND DIMENSIONS.
- CONTRACTOR SHALL CONFIRM SIZE AND LOCATION OF THE VALVE VAULT ACCESS HATCH PER THE SELECTED ACCESS HATCH MANUFACTURER'S RECOMMENDATIONS



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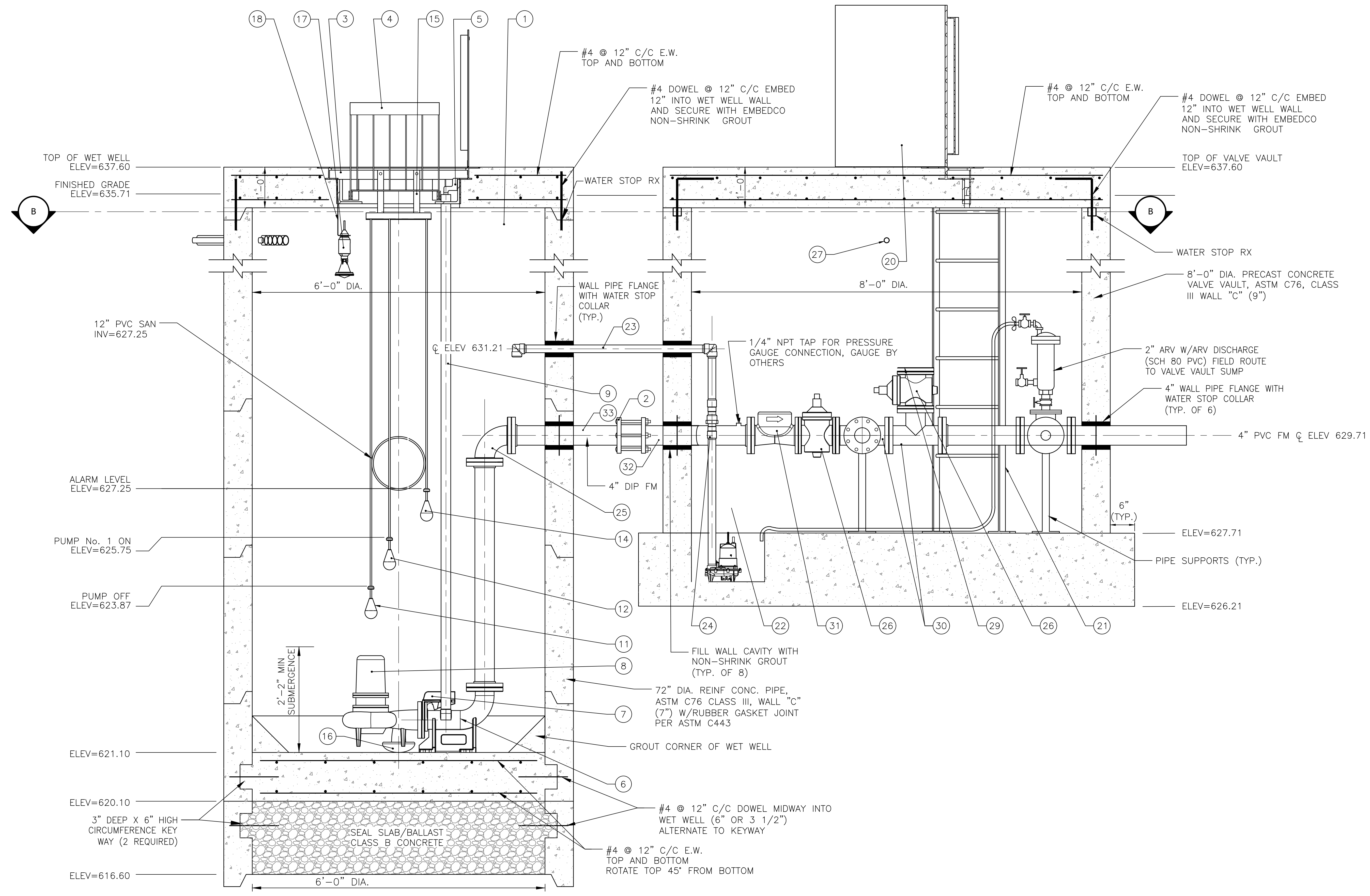
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CONTRACT 11-187-3F
 ADDISON CREEK CHANNEL IMPROVEMENTS

LIFT STATION DETAILS

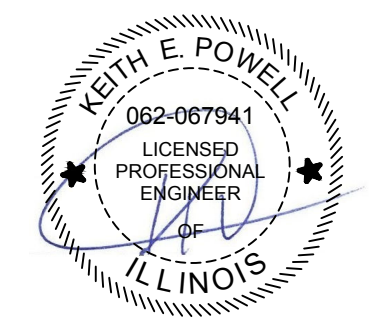
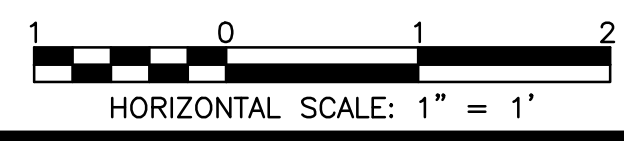
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SECTION A-A

1 LIFT STATION - REACH 2
 SCALE: 1" = 1'



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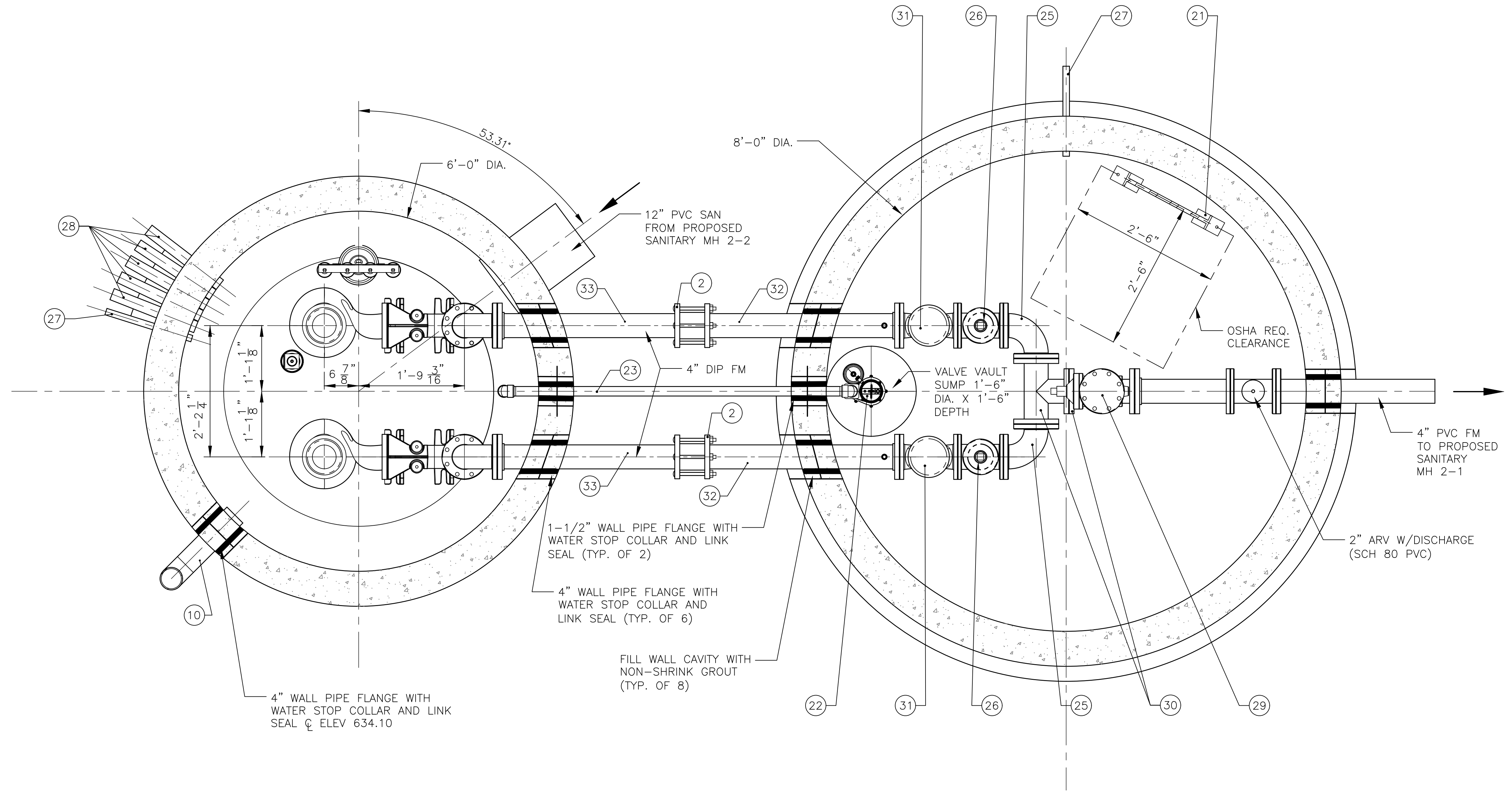
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 Date: 2022
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CONTRACT 11-187-3F
 ADDISON CREEK CHANNEL IMPROVEMENTS

LIFT STATION DETAILS

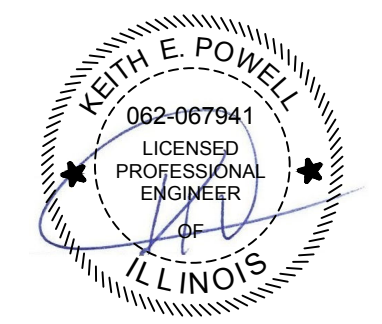
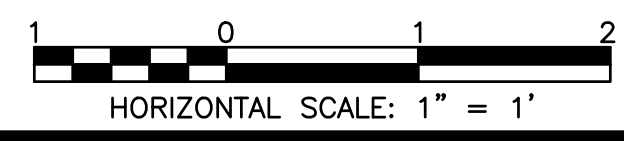
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SECTION B-B

1 LIFT STATION - REACH 2
 SCALE: 1"=1'



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 L.C. # 184-022003

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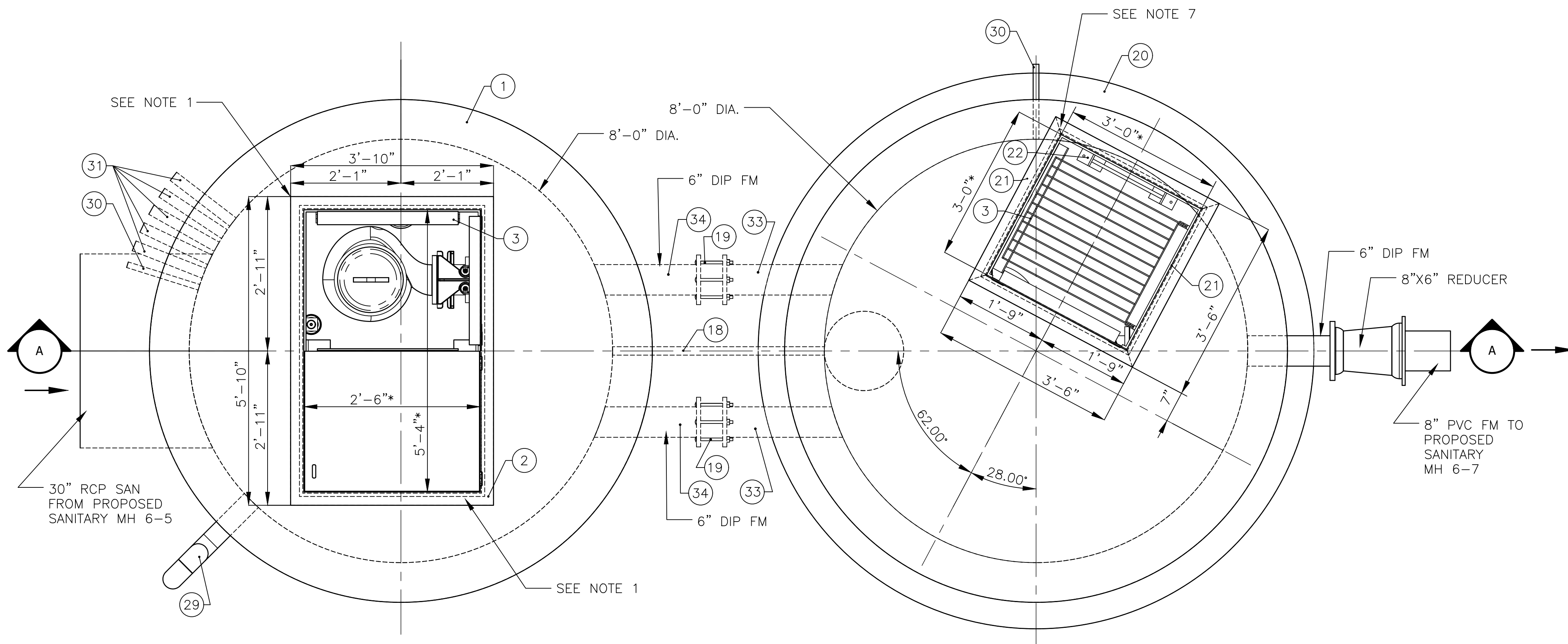
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 ADDISON CREEK CHANNEL IMPROVEMENTS

LIFT STATION DETAILS

Sheet Number:
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Page Number: 301

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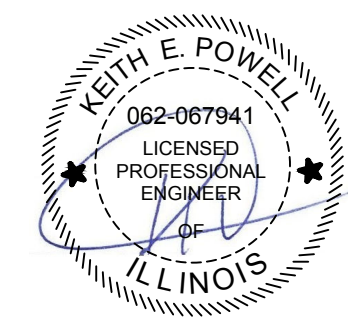
1 LIFT STATION - REACH 6
 SCALE: 3/4"=1'

GENERAL NOTES:

- CONTRACTOR SHALL CONFIRM SIZE AND LOCATION OF THE WET WELL HATCH PER THE SELECTED HATCH AND PUMP MANUFACTURERS' RECOMMENDATIONS.
- ALL METAL FASTENINGS INSIDE WET WELL SHALL BE TYPE 316 STAINLESS STEEL. PIPING SHALL BE COATED IN ACCORDANCE WITH THE SPECIFICATIONS.
- REFER TO THE ELECTRICAL DRAWINGS AND SPECIFICATIONS FOR DETAILS.
- THE QUANTITIES AND SIZES SPECIFIED ON THE DRAWINGS SHALL BE CONFIRMED PRIOR TO ORDERING ANY ITEMS.
- THE WET WELL AND VALVE VAULT SHALL BE WATERTIGHT, AND ALL PENETRATIONS SHALL HAVE A WATERTIGHT SEAL.
- PRIOR TO CONSTRUCTION OF THE WET WELL AND VALVE VAULT, THE CONTRACTOR SHALL SUBMIT SHOP DRAWINGS OF THE WET WELL AND VALVE VAULT LAYOUTS WHICH SHALL INCLUDE PUMPS, PIPING, VALVES, ACCESS HATCHES, ELEVATIONS AND DIMENSIONS.
- CONTRACTOR SHALL CONFIRM SIZE AND LOCATION OF THE VALVE VAULT ACCESS HATCH PER THE SELECTED ACCESS HATCH MANUFACTURER'S RECOMMENDATIONS



ITEM NO.	PART NUMBER	DESCRIPTION
1	CONCRETE WET WELL	
2	APD300-40x64	DUPLEX ALUMINUM ACCESS HATCH
3	SAFETY GRATE	
4	UPPER GUIDE RAIL SUPPORTS	FOR 2" RAIL SYSTEM
5	INTERMEDIATE GUIDE RAIL SUPPORT	2" GUIDE RAILS
6	S6LXP	HYDROMATIC OR APPROVED EQUAL SEWAGE PUMP
7	6" MTM ELBOW	
8	6" MTM SEALING FLANGE	
9	2" GUIDE RAIL	SCHED. 40 STAINLESS STEEL PIPE
10	FLOAT MOUNTING BRACKET	STAINLESS STEEL, TO BE SHIPPED LOOSE - CONTRACTOR TO INSTALL IN FIELD
11	FLOAT: OFF LEVEL	METROPOLITAN SUBMERSIBLE LEVEL SWITCH
12	FLOAT: PUMP No. 1 ON	METROPOLITAN SUBMERSIBLE LEVEL SWITCH
13	FLOAT: ALARM LEVEL	METROPOLITAN SUBMERSIBLE LEVEL SWITCH
14	ARV DISCHARGE	SCH 80 PVC
15	ANCHOR	10lbs CAST IRON, WITH STAINLESS STEEL CHAIN FOR LEVEL CONTROL MOUNTING
16	VEGAPULS WL61	RADAR LEVEL SENSOR
17	RADAR MOUNTING BRACKET	STAINLESS STEEL
18	1 1/2" SUMP PUMP DISCAHRGE	SCH 80 PVC
19	6" FLANGE ADAPTER	DUCTILE IRON
20	CONCRETE VALVE VAULT	
21	APS300-36x36	36"x36" OPENING
22	LADDER	ALUMINUM LADDER
23	SH30i	1/3 HP, 115 V SUMP PUMP
24	6" S.R. ELBOW	DUCTILE IRON FITTING
25	1.50" CHECK VALVE	
26	6" PLUG VALVE	DUCTILE IRON
27	6" BLIND FLANGE	DUCTILE IRON
28	6" TEE	DUCTILE IRON
29	4" VENT PIPING	DUCTILE IRON
30	CONDUIT	SEE NOTE 3
31	CONDUIT	SEE NOTE 3
32	6" SWING FLEX CHECK VALVE	DUCTILE IRON
33	6" PIPE SPOOL PE/PE	DUCTILE IRON
34	6" PIPE SPOOL PE/FLG	DUCTILE IRON



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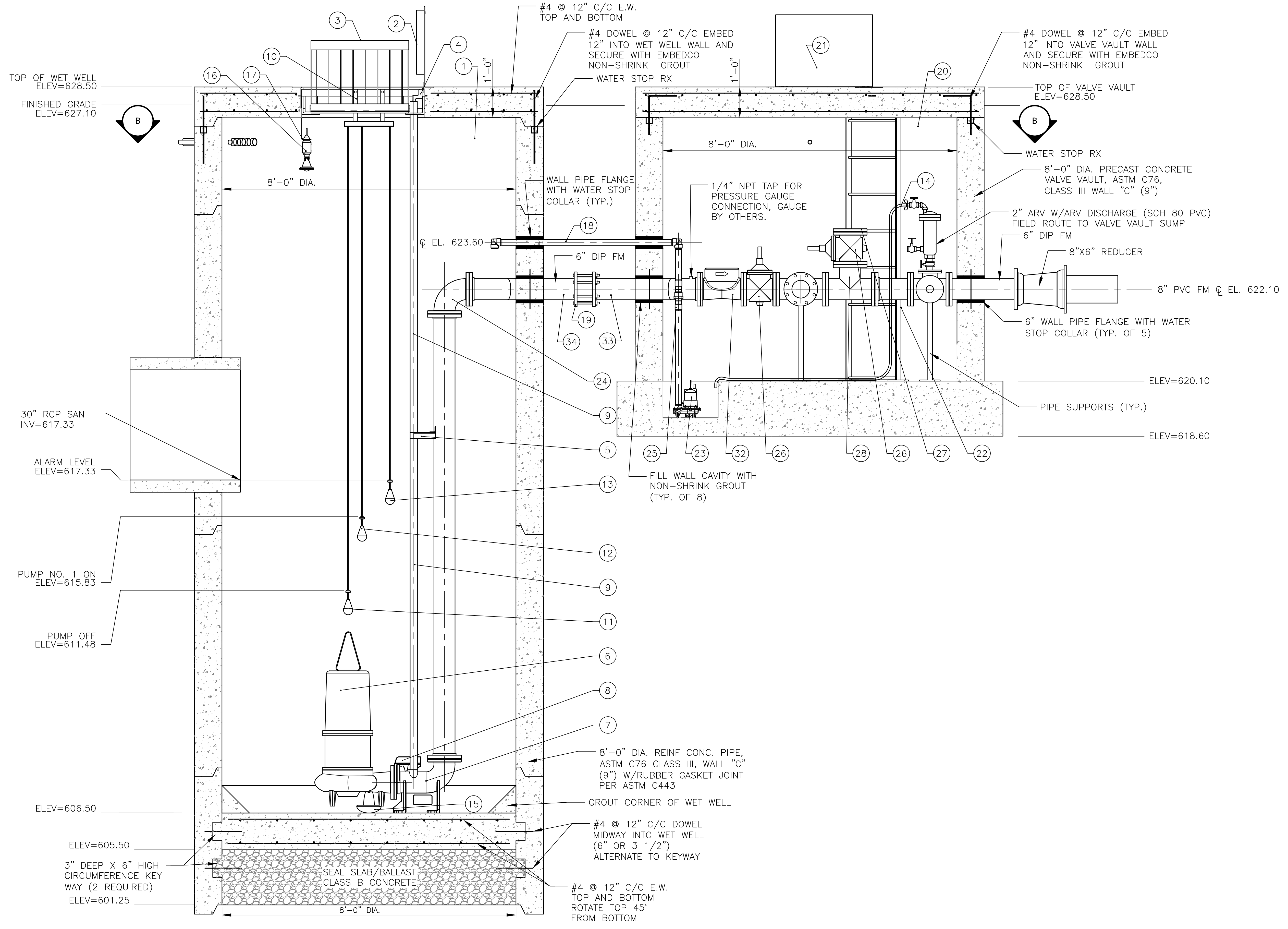
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 Reviewed by: S.T.D.
 Date: 2022
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CONTRACT 11-187-3F
 ADDISON CREEK CHANNEL IMPROVEMENTS

LIFT STATION DETAILS

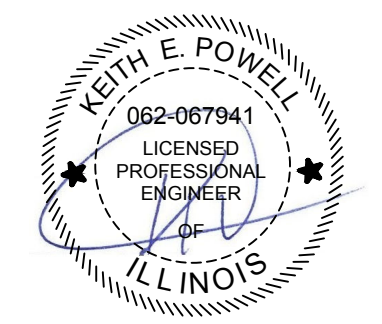
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SECTION A-A

1 LIFT STATION - REACH 6
 SCALE: 3/4" = 1'



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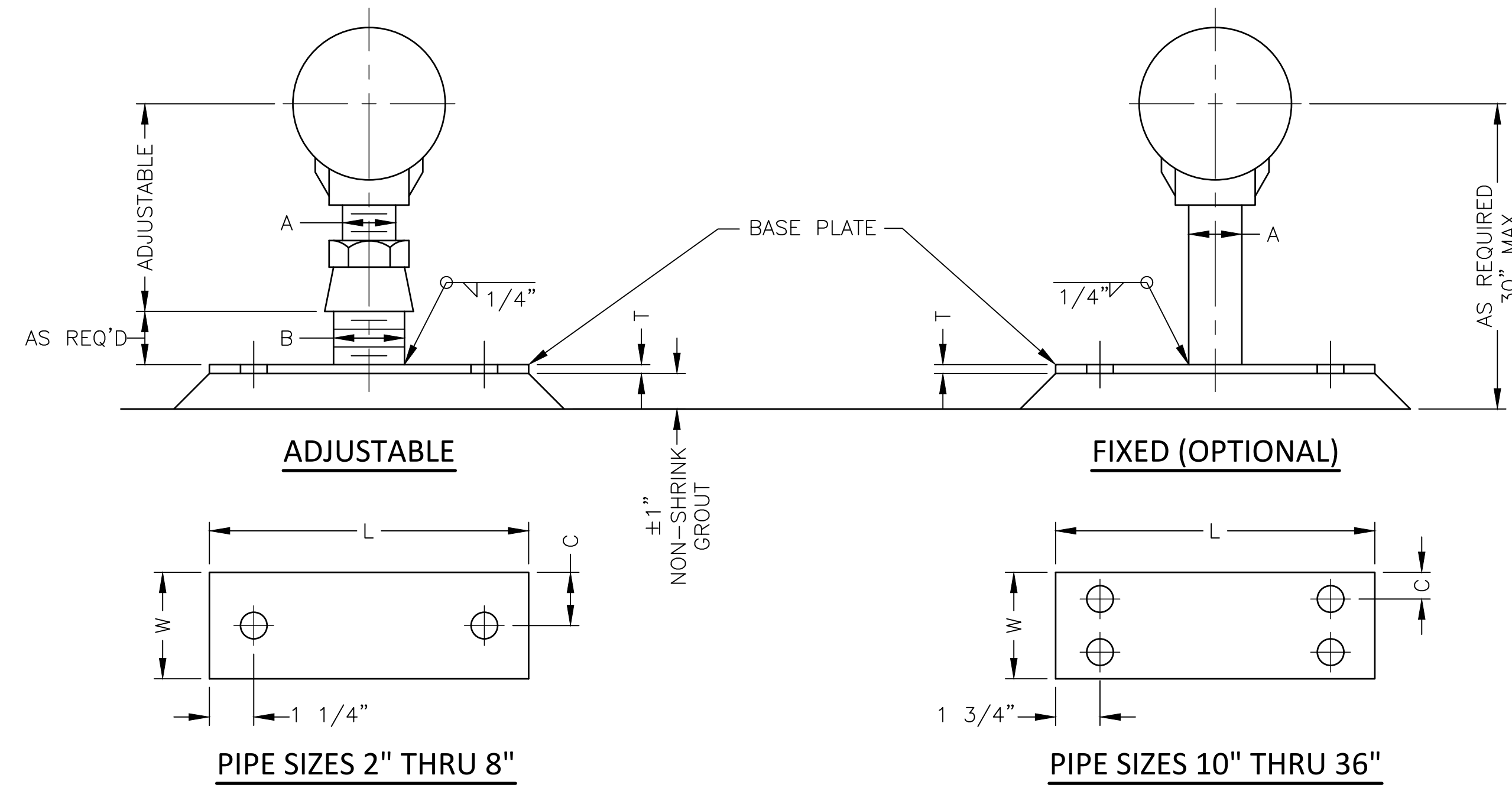
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CONTRACT 11-187-3F
 ADDISON CREEK CHANNEL IMPROVEMENTS

LIFT STATION DETAILS

Sheet Number:
CU-508

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PIPE SIZES 2" THRU 8"

PIPE SIZES 10" THRU 36"

BASE PLATES

SUPPORT DIMENSIONS						
NOM. PIPE SIZE	MAX. PIPE O.D.	A PIPE SIZE	B PIPE SIZE	L x W x T	C	ANCHOR BOLT DIA.
3"	4"	1 1/2"	2"	9 3/4" x 3" x 1/4"	1 1/2"	3/4"
4"	4 1/2"	2 1/2"	3"	9 3/4" x 3" x 1/4"	1 1/2"	3/4"
5"	5 5/8"	2 1/2"	3"	10 3/8" x 3" x 1/4"	1 1/2"	3/4"
6"	7"	2 1/2"	3"	13 3/8" x 6" x 1/4"	3"	3/8"
8"	9 1/2"	2 1/2"	3"	15 3/8" x 6" x 1/4"	3"	3/8"
10"	11 1/8"	2 1/2"	3"	18 3/8" x 8" x 1/4"	1 1/2"	1"
12"	13 1/2"	2 1/2"	3"	20 3/8" x 8" x 1/4"	1 1/2"	1"
14"	14"	3"	4"	22 3/8" x 10" x 1/4"	2"	1"
16"	16"	3"	4"	24 3/8" x 10" x 1/4"	2"	1"
18"	18"	4"	6"	26 3/8" x 12" x 1/4"	2 1/2"	1"
20"	20"	4"	6"	28 3/8" x 12" x 1/4"	2 1/2"	1"
22"	22"	4"	6"	30 3/8" x 12" x 1/4"	2 1/2"	1"
24"	24"	4"	6"	32 3/8" x 12" x 1/4"	2 1/2"	1"
26"	26"	4"	6"	35 3/8" x 12" x 1/4"	2 1/2"	1"
30"	30"	4"	6"	38 3/8" x 12" x 1/4"	2 1/2"	1"
32"	32"	4"	6"	40 3/8" x 12" x 1/4"	2 1/2"	1"
36"	36"	4"	6"	44 3/8" x 12" x 1/4"	2 1/2"	1"

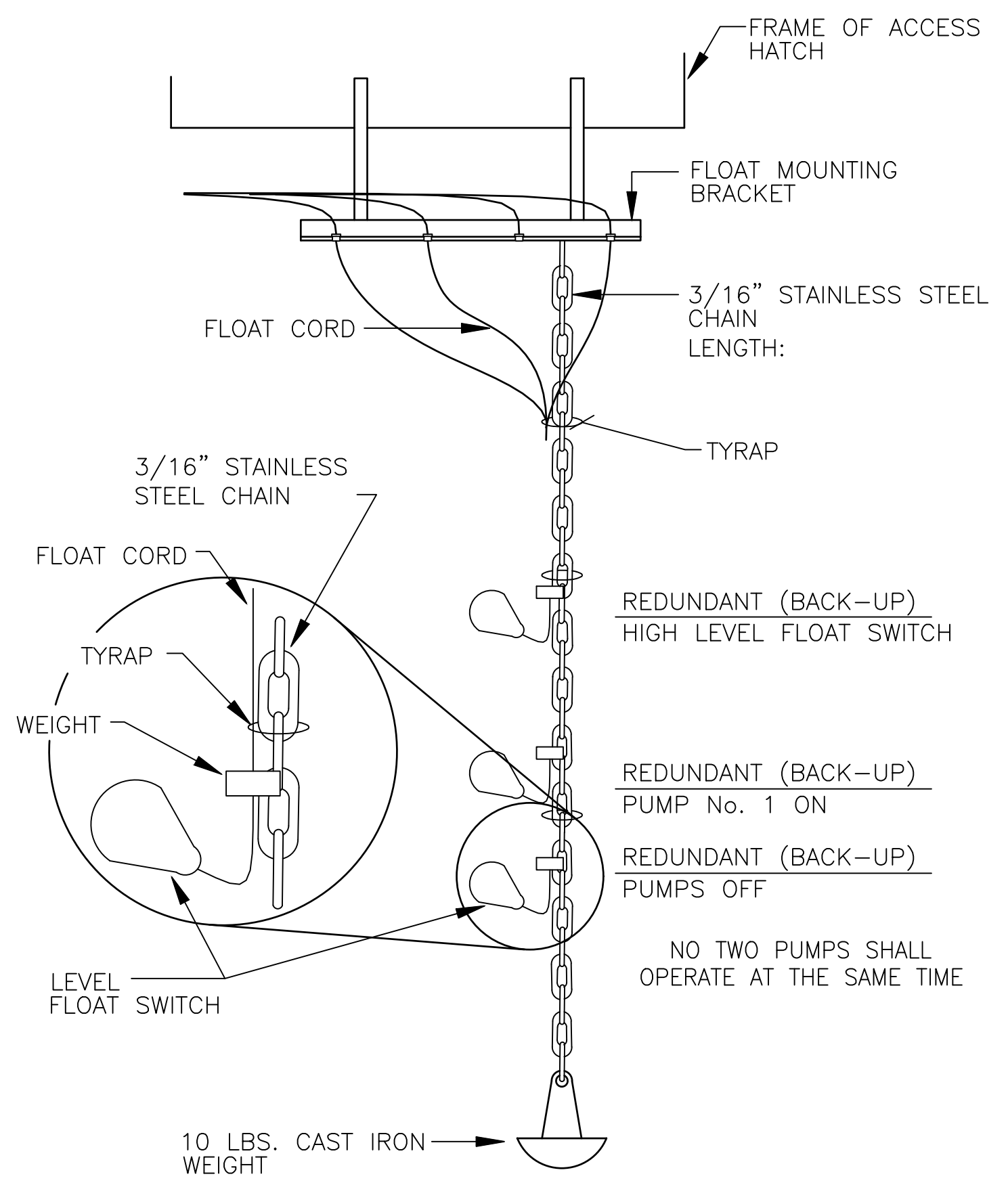
PIPE SUPPORT SPACING

PIPE SIZE	PIPE MATERIAL				
	PVC	COPPER	STEEL	DUCTILE IRON	CAST IRON
1/2"	*2'-6"	5'-0"	5'-0"	-----	-----
3/4"	*2'-6"	5'-0"	6'-0"	-----	-----
1"	*3'-0"	5'-0"	7'-0"	-----	-----
1 1/4"	*3'-0"	6'-0"	7'-0"	-----	-----
1 1/2"	*3'-6"	7'-0"	9'-0"	-----	-----
2"	*3'-6"	8'-0"	10'-0"	-----	-----
2 1/2"	4'-0"	8'-0"	11'-0"	-----	-----
3"	4'-0"	9'-0"	12'-0"	12'-0"	12'-0"
4"	4'-0"	10'-0"	12'-0"	14'-0"	12'-0"
6"	4'-0"	10'-0"	12'-0"	14'-0"	12'-0"
8"	4'-0"	10'-0"	12'-0"	14'-0"	12'-0"
10"	4'-0"	10'-0"	12'-0"	14'-0"	12'-0"
12"	4'-0"	10'-0"	12'-0"	14'-0"	12'-0"
LARGER THAN 12"	4'-0"	10'-0"	12'-0"	14'-0"	12'-0"

NOTES:

- ADDITIONAL SUPPORTS SHALL BE PROVIDED NEAR CHANGES IN DIRECTION, BRANCH LINES AND ON EACH SIDE OF 3" OR LARGER VALVES.
- EACH RUN OF PIPE SHALL HAVE AT LEAST TWO (2) SUPPORTS.
- * FOR SCHEDULE 40 PIPE OR TEMPERATURES LESS THAN 150°F, SPACING MAY INCREASED AS DIRECTED BY ENGINEER.

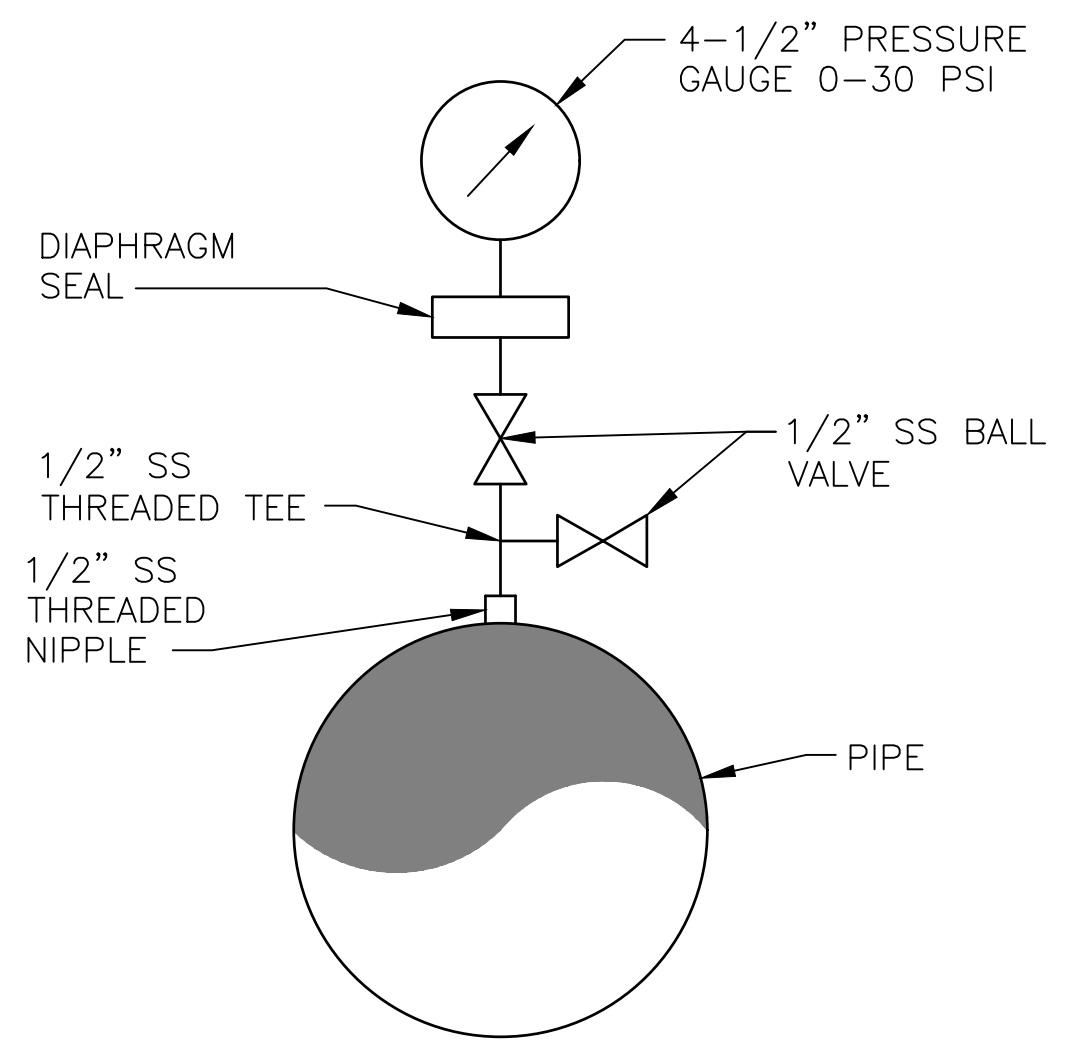
2 PIPE SUPPORT TYPE B
SCALE: NTS



NOTES:

- THIS DETAIL IS FOR GENERAL INFORMATION ONLY FLOAT SWITCHES MAY NOT BE SHOWN IN ACTUAL POSITIONS
- WHEN CHANGING FLOAT LEVELS, PULL CHAIN, ANCHOR, AND FLOATS OUT OF WET WELL. CUT NECESSARY TYRAPs AND READJUST THE LEVEL OF THE FLOAT. WHEN PROPER LEVEL IS ACHIEVED, RE-FASTEN FLOAT CORD TO CHAIN WITH NEW TYRAPs. PLACE ENTIRE UNIT BACK INTO WET WELL.

1 CHAIN AND ANCHOR LEVEL CONTROL MOUNTING DETAIL
SCALE: NTS



3 PRESSURE GAUGE ASSEMBLY DETAIL
SCALE: NTS

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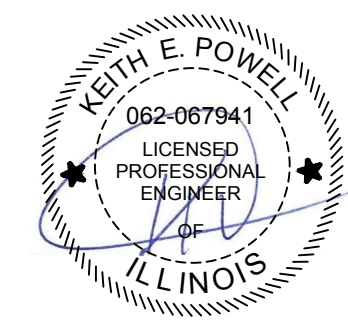
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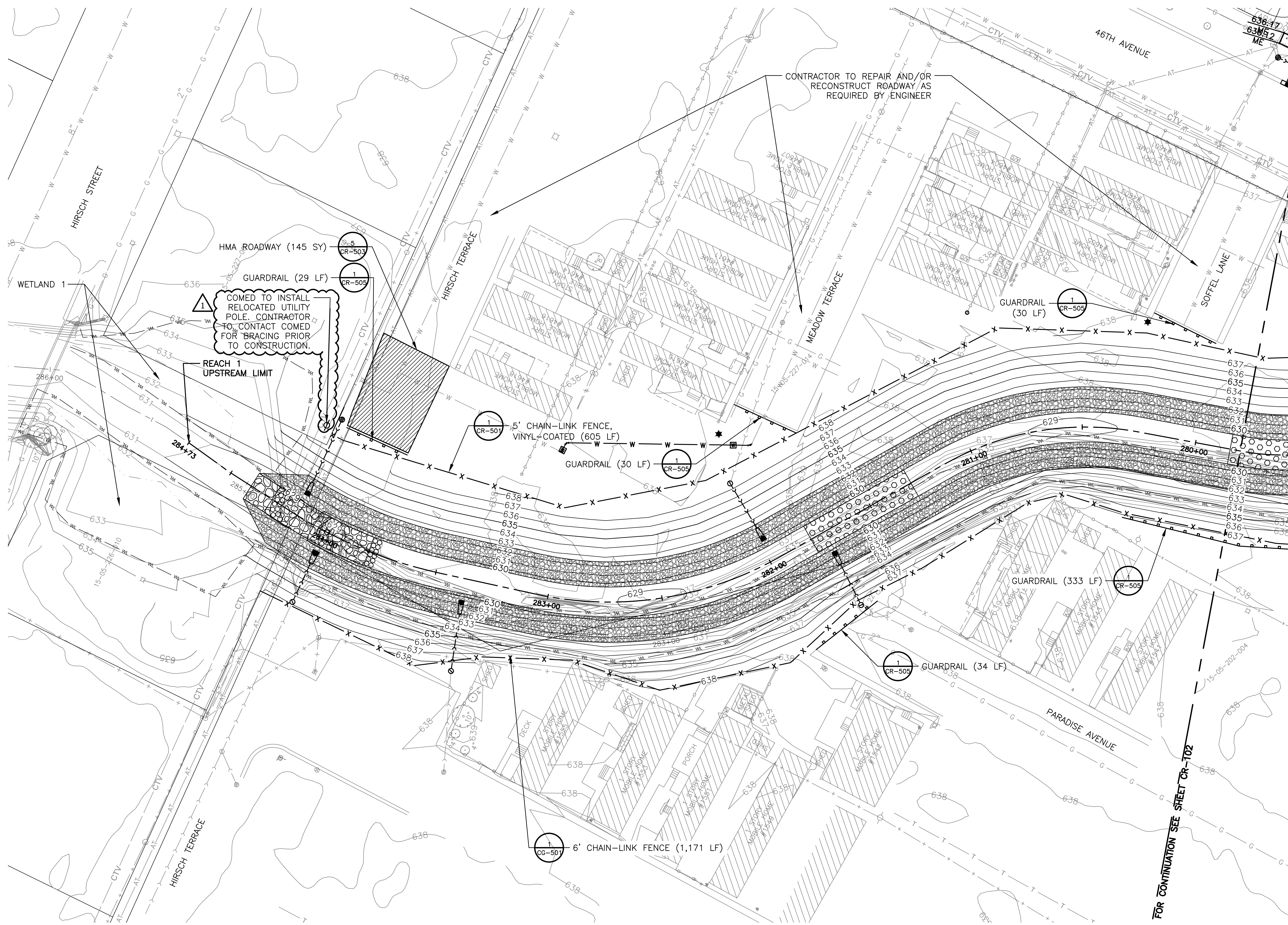
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CONTRACT 11-187-3F
 ADDISON CREEK CHANNEL IMPROVEMENTS

LIFT STATION DETAILS

Sheet Number:
CU-510
 Page Number: 305



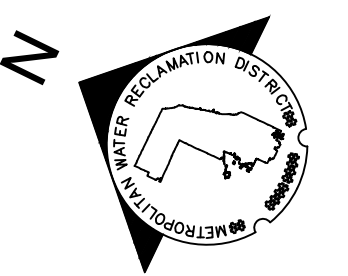


LEGEND

- HMA ROADWAY
- PCC SIDEWALK
- GUARDRAIL
- CHAIN-LINK FENCE
- REMOVABLE BOLLARD

NOTES:

1. CONTRACTOR TO RESTORE AREAS DAMAGED OR IMPACTED BY CONSTRUCTION ACCESS, AND STAGING IN-KIND IN ACCORDANCE WITH THE ENGINEER.
2. SEE LANDSCAPE SHEETS FOR LANDSCAPING.



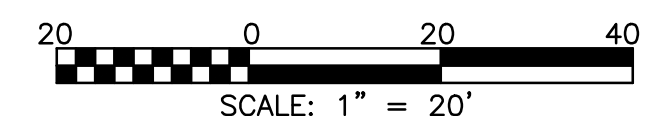
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1	ADDENDUM NO. 7	JAW	05/01/23

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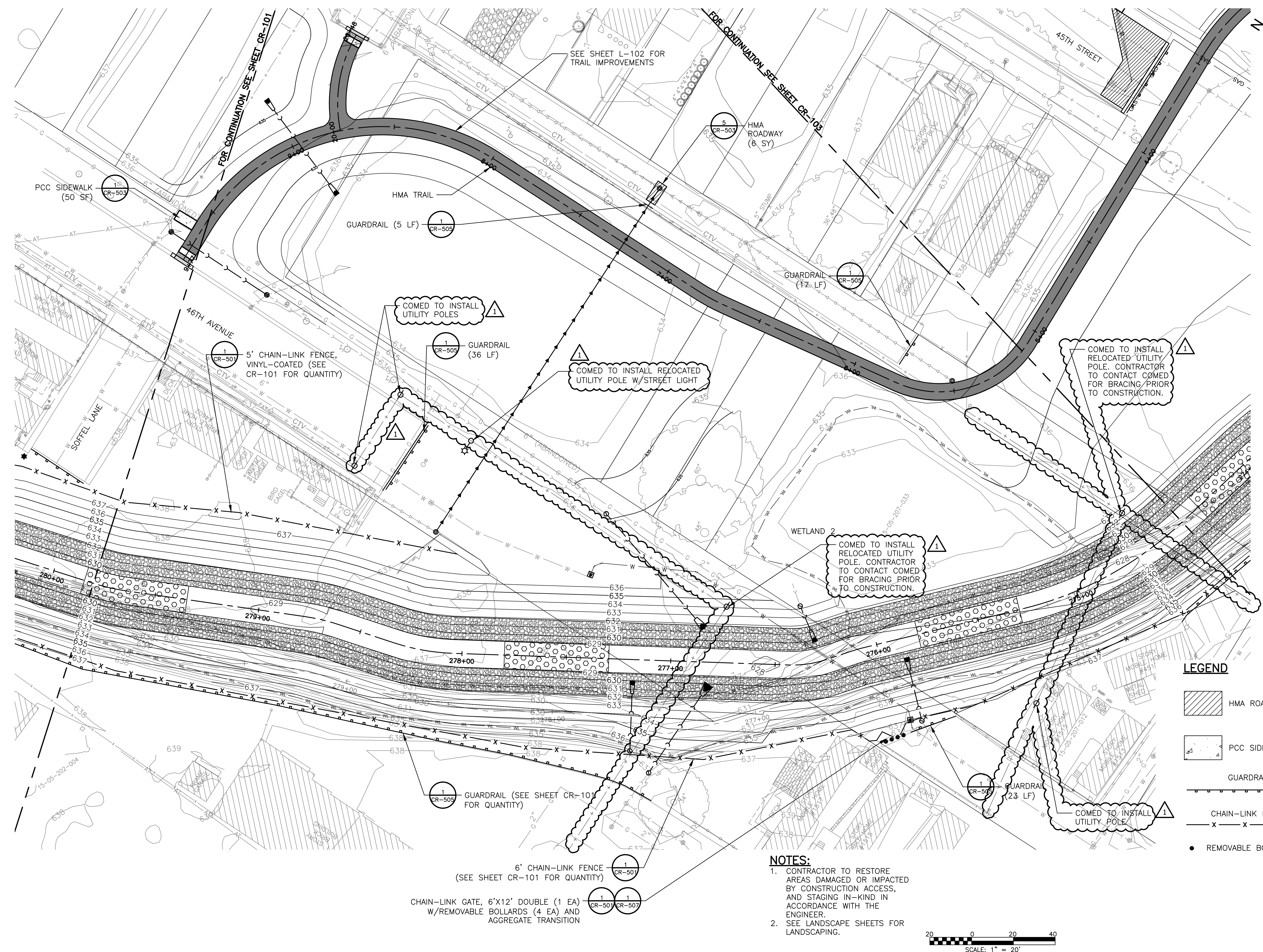
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CONTRACT 11-187-3F
 ADDISON CREEK CHANNEL IMPROVEMENTS
RESTORATION PLAN - REACH 1
 STA. 284+72 TO STA. 279+80

Sheet Number:
CR-101
 Page Number: 306



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 Engineering, Ecology and Landscape Architecture
 CHICAGO, ILLINOIS 60631
 OFFICE (773) 699-9200
 CHICAGO@HEYASAC.COM
 PROFESSIONAL DESIGN FIRM
 LICENSE NO. 18404289

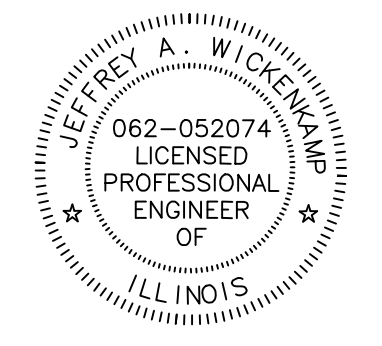
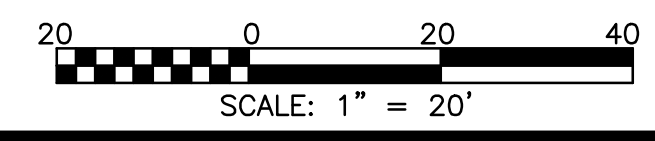


LEGEND

- HMA ROADWAY
- PCC SIDEWALK
- GUARDRAIL
- CHAIN-LINK FENCE
- REMOVABLE BOLLARD

NOTES:

- CONTRACTOR TO RESTORE AREAS DAMAGED OR IMPACTED BY CONSTRUCTION ACCESS, AND STAGING IN-KIND IN ACCORDANCE WITH THE ENGINEER.
- SEE LANDSCAPE SHEETS FOR LANDSCAPING.



Rev.	Description	Appr.	Date
1	ADDENDUM NO. 7	JAW	05/01/23

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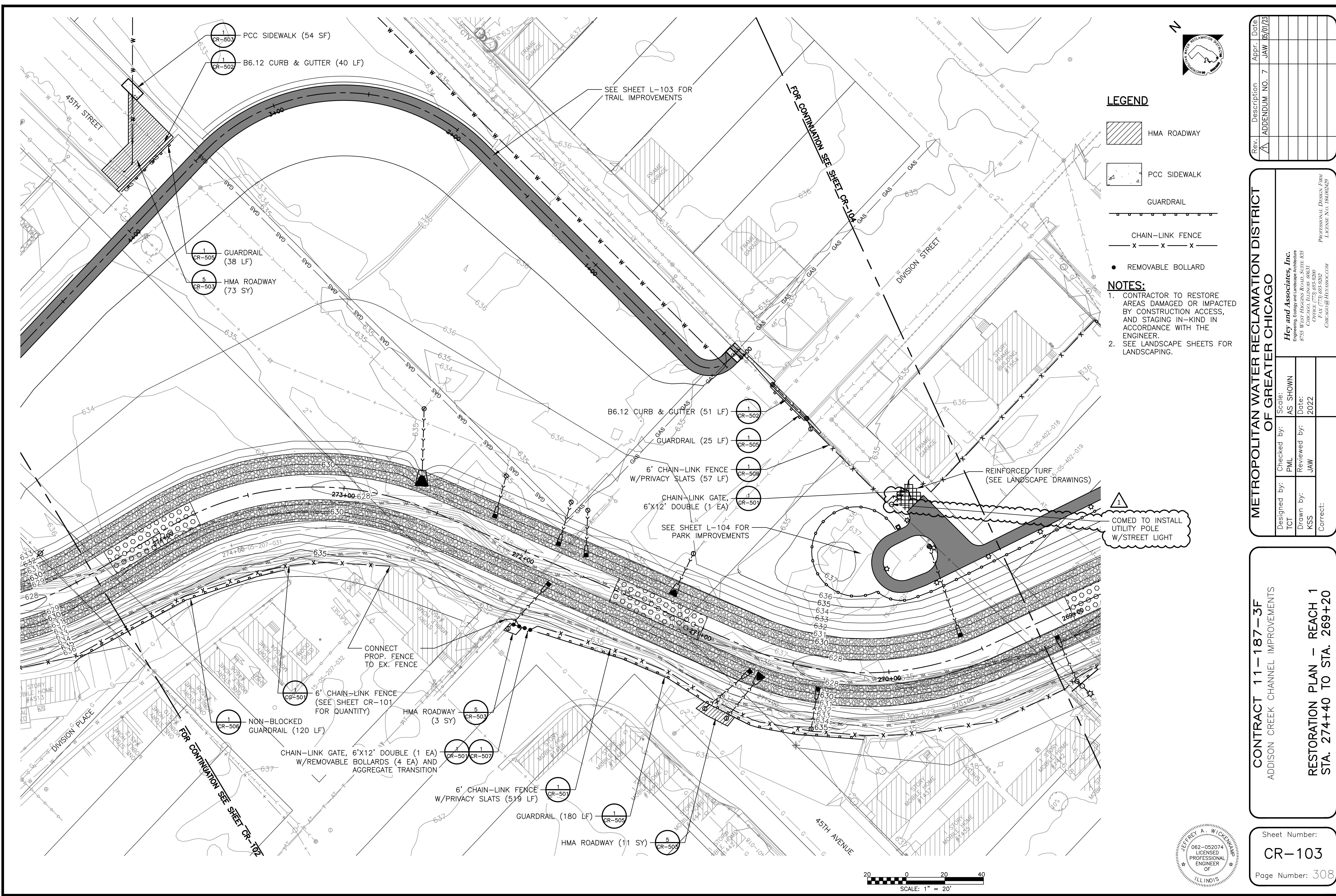
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 Engineering, Ecology and Landscape Architecture
 CHICAGO, ILLINOIS 60631
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CONTRACT 11-187-3F
 ADDISON CREEK CHANNEL IMPROVEMENTS

RESTORATION PLAN - REACH 1
 STA. 279+80 TO STA. 274+40

Sheet Number:
CR-102
 Page Number: 307

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1 CR-803 PCC SIDEWALK (54 SF)
1 CR-502 B6.12 CURB & GUTTER (40 LF)

1 CR-505 GUARDRAIL (38 LF)
5 CR-503 HMA ROADWAY (73 SY)

B6.12 CURB & GUTTER (51 LF)
1 CR-502
GUARDRAIL (25 LF)
1 CR-505
6' CHAIN-LINK FENCE W/PRIVACY SLATS (57 LF)
1 CR-509
CHAIN-LINK GATE, 6'X12' DOUBLE (1 EA)
1 CR-501

1 CR-509 NON-BLOCKED GUARDRAIL (120 LF)
1 CR-501
6' CHAIN-LINK FENCE (SEE SHEET CR-101 FOR QUANTITY)
1 CR-501

CHAIN-LINK GATE, 6'X12' DOUBLE (1 EA) W/REMOVABLE BOLLARDS (4 EA) AND AGGREGATE TRANSITION
1 CR-501
1 CR-507

6' CHAIN-LINK FENCE W/PRIVACY SLATS (519 LF)
1 CR-501

GUARDRAIL (180 LF)
1 CR-505

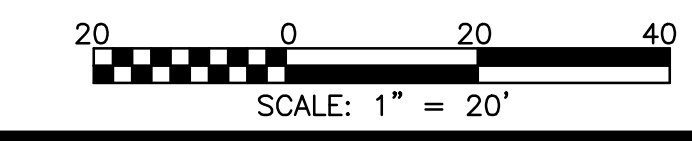
HMA ROADWAY (11 SY)
5 CR-503

LEGEND

- HMA ROADWAY
- PCC SIDEWALK
- GUARDRAIL
- CHAIN-LINK FENCE
- REMOVABLE BOLLARD

NOTES:

- CONTRACTOR TO RESTORE AREAS DAMAGED OR IMPACTED BY CONSTRUCTION ACCESS, AND STAGING IN-KIND IN ACCORDANCE WITH THE ENGINEER.
- SEE LANDSCAPE SHEETS FOR LANDSCAPING.



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1	ADDENDUM NO. 7	JAW	05/07/23

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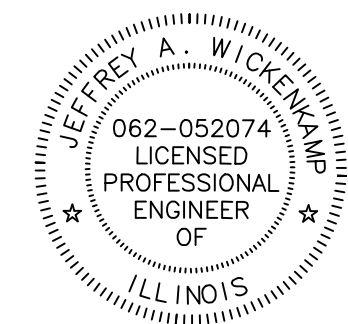
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Chicago@HEYASAC.COM
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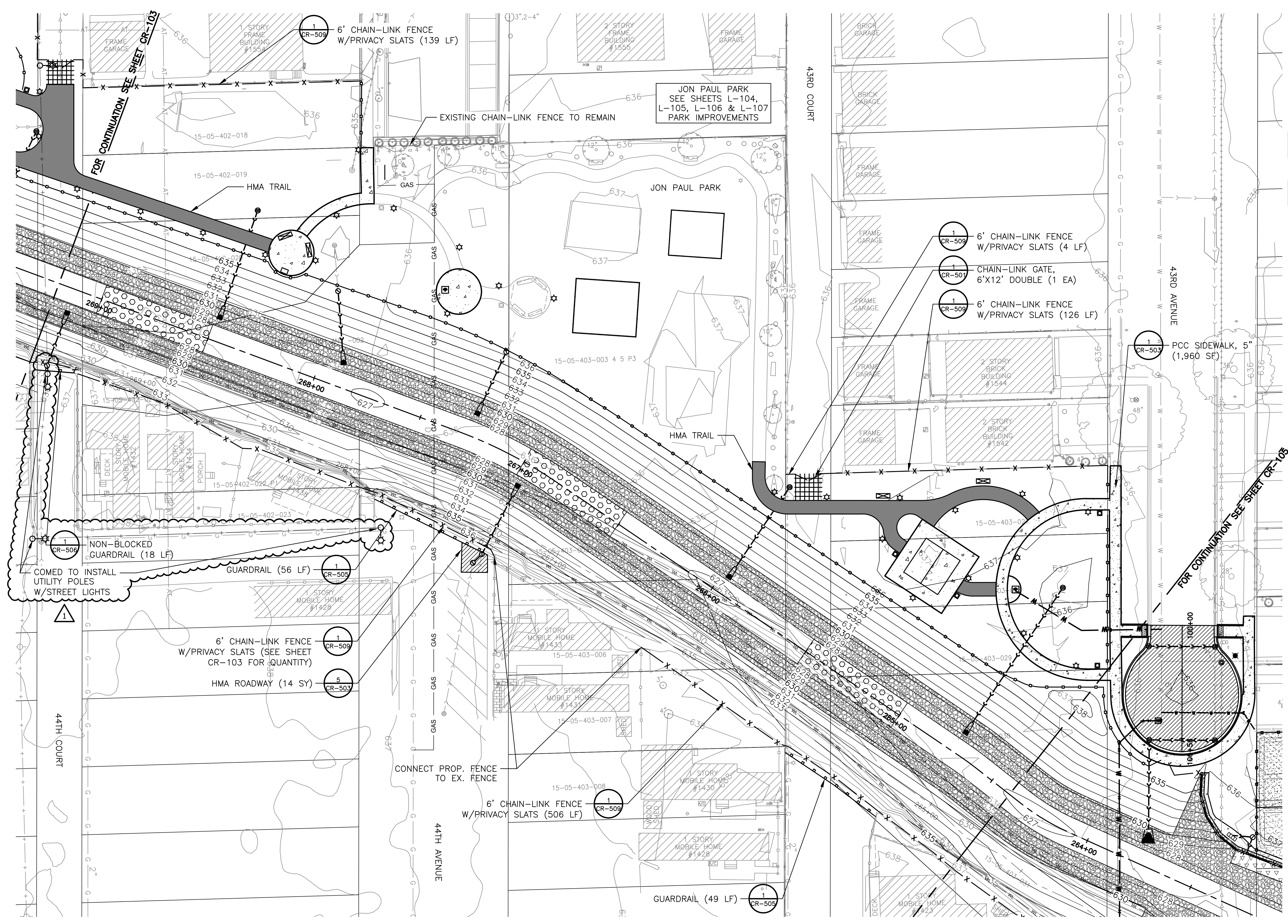
CONTRACT 11-187-3F
ADDISON CREEK CHANNEL IMPROVEMENTS

RESTORATION PLAN - REACH 1
STA. 274+40 TO STA. 269+20

Sheet Number:
CR-103

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 Engineering, Ecology and Landscape Architecture
 8755 WEST HERGANS ROAD, SUITE 835
 CHICAGO, ILLINOIS 60631
 OFFICE (773) 699-9200
 CHICAGO@HEYANDASSOCIATES.COM

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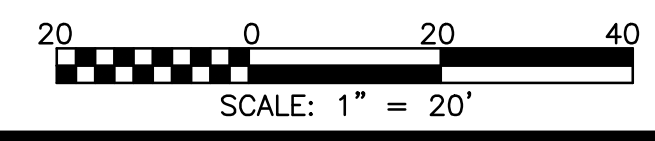
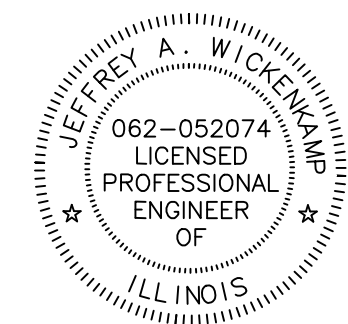
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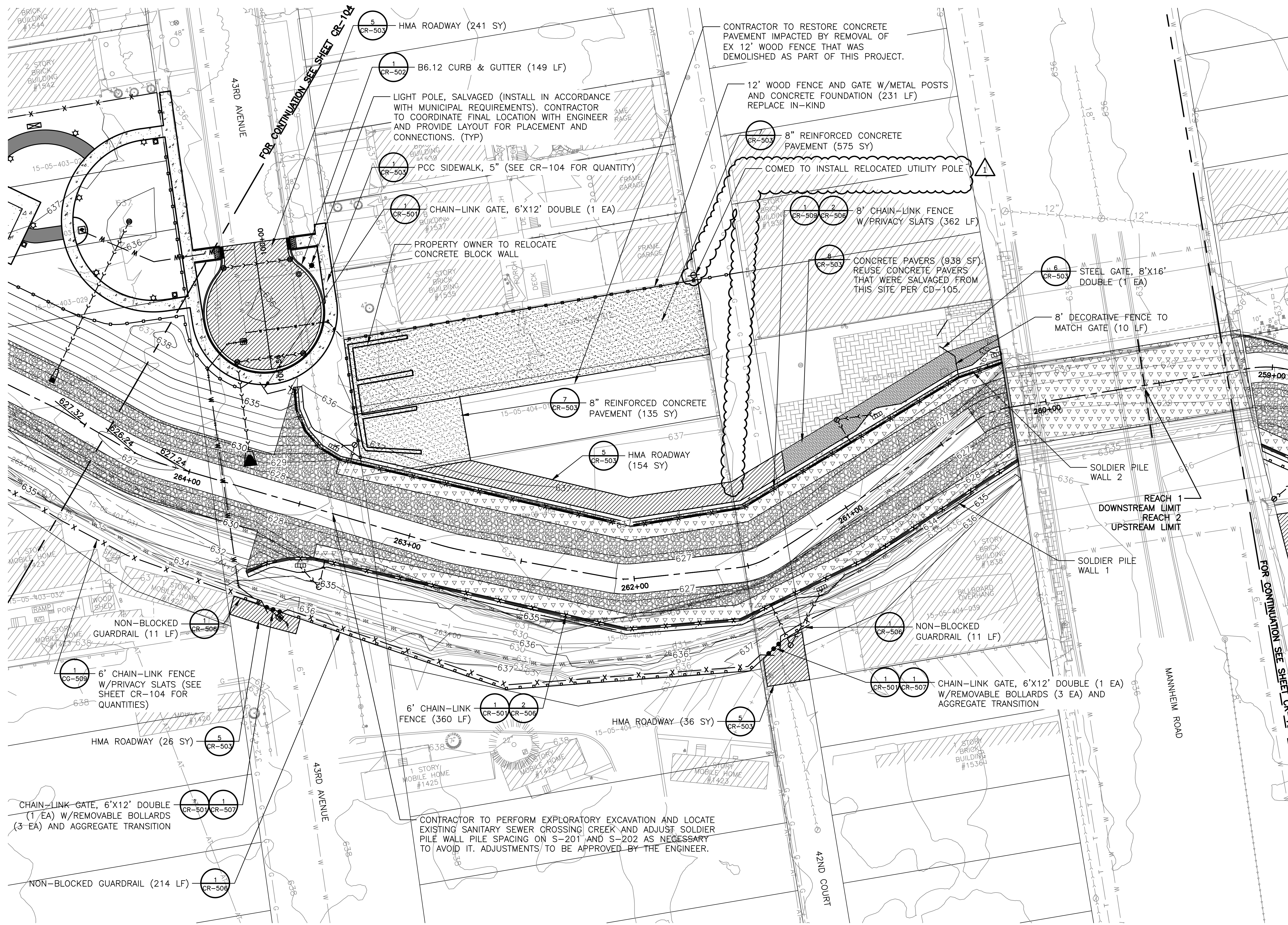
CONTRACT 11-187-3F
 ADDISON CREEK CHANNEL IMPROVEMENTS

RESTORATION PLAN - REACH 1
 STA. 269+20 TO STA. 264+40

Sheet Number:
CR-104

Page Number: 309



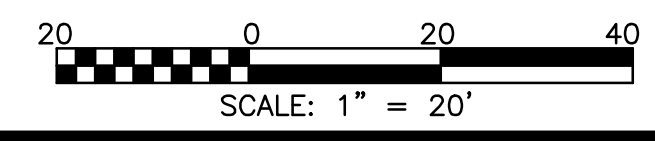
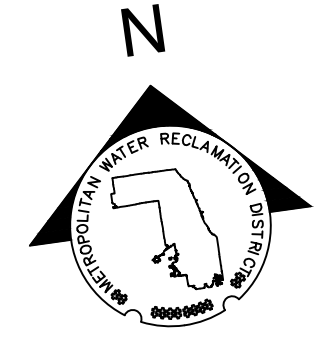


LEGEND

- HMA ROADWAY
- PCC SIDEWALK
- CONCRETE PAVEMENT
- CONCRETE PAVERS
- GUARDRAIL
- CHAIN-LINK FENCE
- REMOVABLE BOLLARD

NOTES:

1. CONTRACTOR TO RESTORE AREAS DAMAGED OR IMPACTED BY CONSTRUCTION ACCESS, AND STAGING IN-KIND IN ACCORDANCE WITH THE ENGINEER.
2. SEE LANDSCAPE SHEETS FOR LANDSCAPING.



Rev.	Description	Appr.	Date
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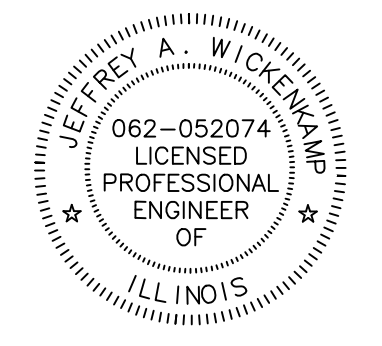
**METROPOLITAN WATER RECLAMATION DISTRICT
 OF GREATER CHICAGO**

Designed by:	TCT	Checked by:	PML	Scale:	AS SHOWN
Drawn by:	KSS	Reviewed by:	JAW	Date:	2022
Correct:					

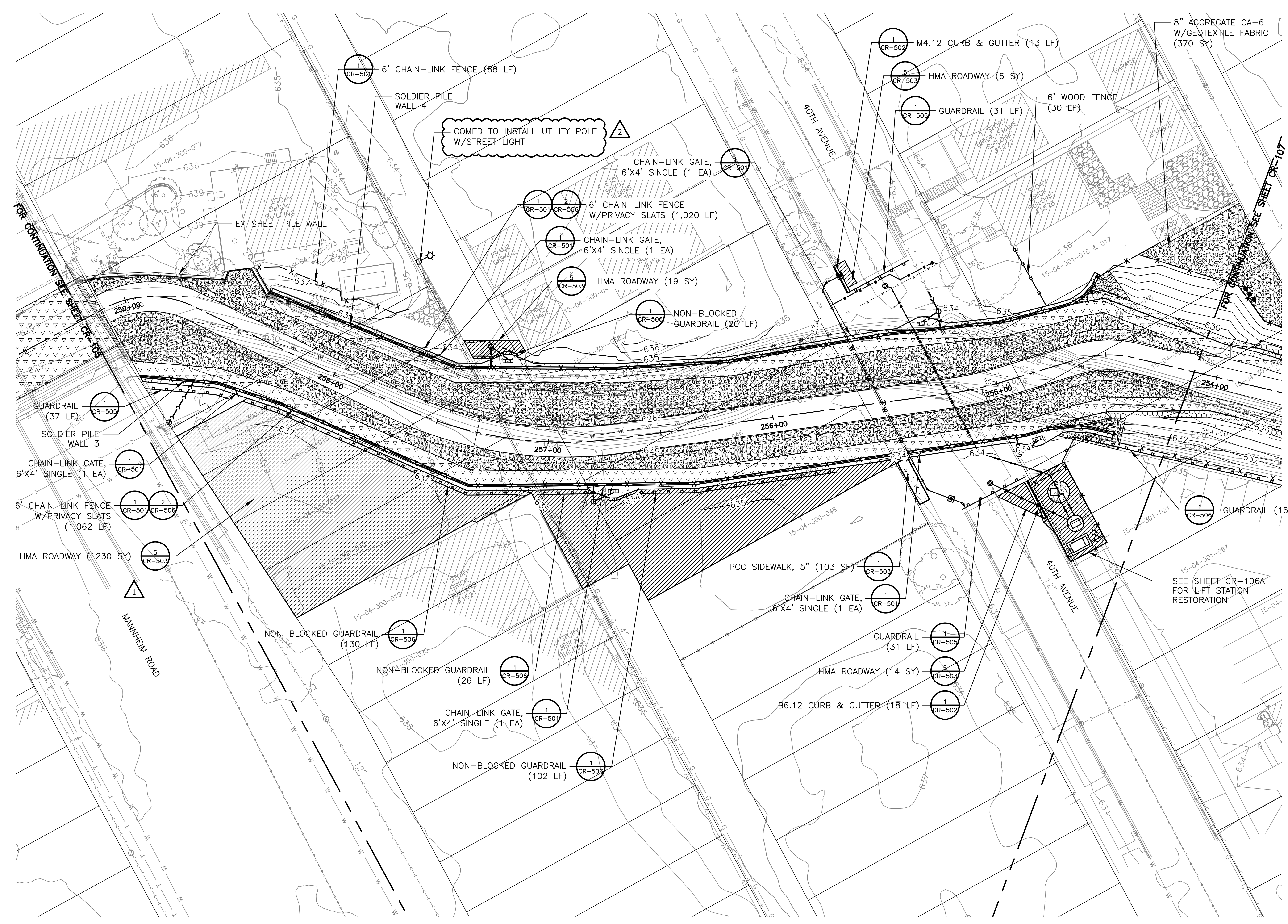
**CONTRACT 11-187-3F
 ADDISON CREEK CHANNEL IMPROVEMENTS**

**RESTORATION PLAN - REACH 1
 STA. 264+40 TO STA. 259+20**

Sheet Number:
CR-105
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 Engineering, Ecology and Landscape Architecture
 CHICAGO, ILLINOIS 60631
 OFFICE (773) 699-9200
 CHICAGO@HEYANDASSOCIATES.COM
 LICENSE NO. 18406289



LEGEND

- HMA ROADWAY
- PCC SIDEWALK
- GUARDRAIL
- CHAIN-LINK FENCE
- WOOD FENCE
- REMOVABLE BOLLARD

NOTES:

1. CONTRACTOR TO RESTORE AREAS DAMAGED OR IMPACTED BY CONSTRUCTION ACCESS, AND STAGING IN-KIND IN ACCORDANCE WITH THE ENGINEER.
2. SEE LANDSCAPE SHEETS FOR LANDSCAPING.



Rev.	Description	Appr.	Date
1	ADDENDUM NO. 2	JAW	01/06/23
2	ADDENDUM NO. 7	JAW	05/01/23

**METROPOLITAN WATER RECLAMATION DISTRICT
 OF GREATER CHICAGO**

Designed by:	TCT	Checked by:	PML	Scale:	AS SHOWN
Drawn by:	KSS	Reviewed by:	JAW	Date:	2022
Correct:					

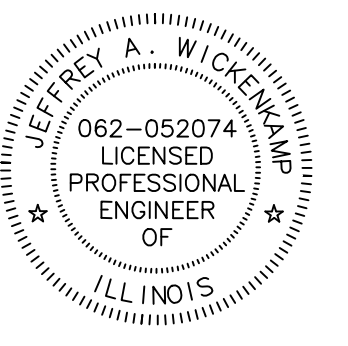
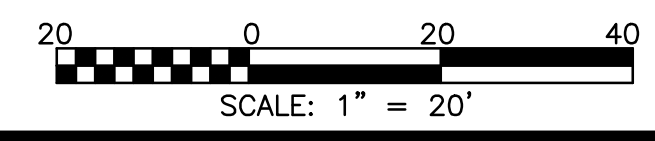
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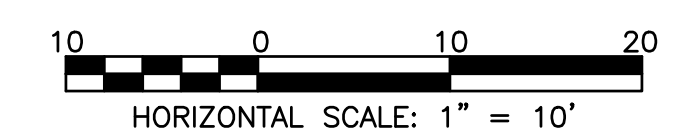
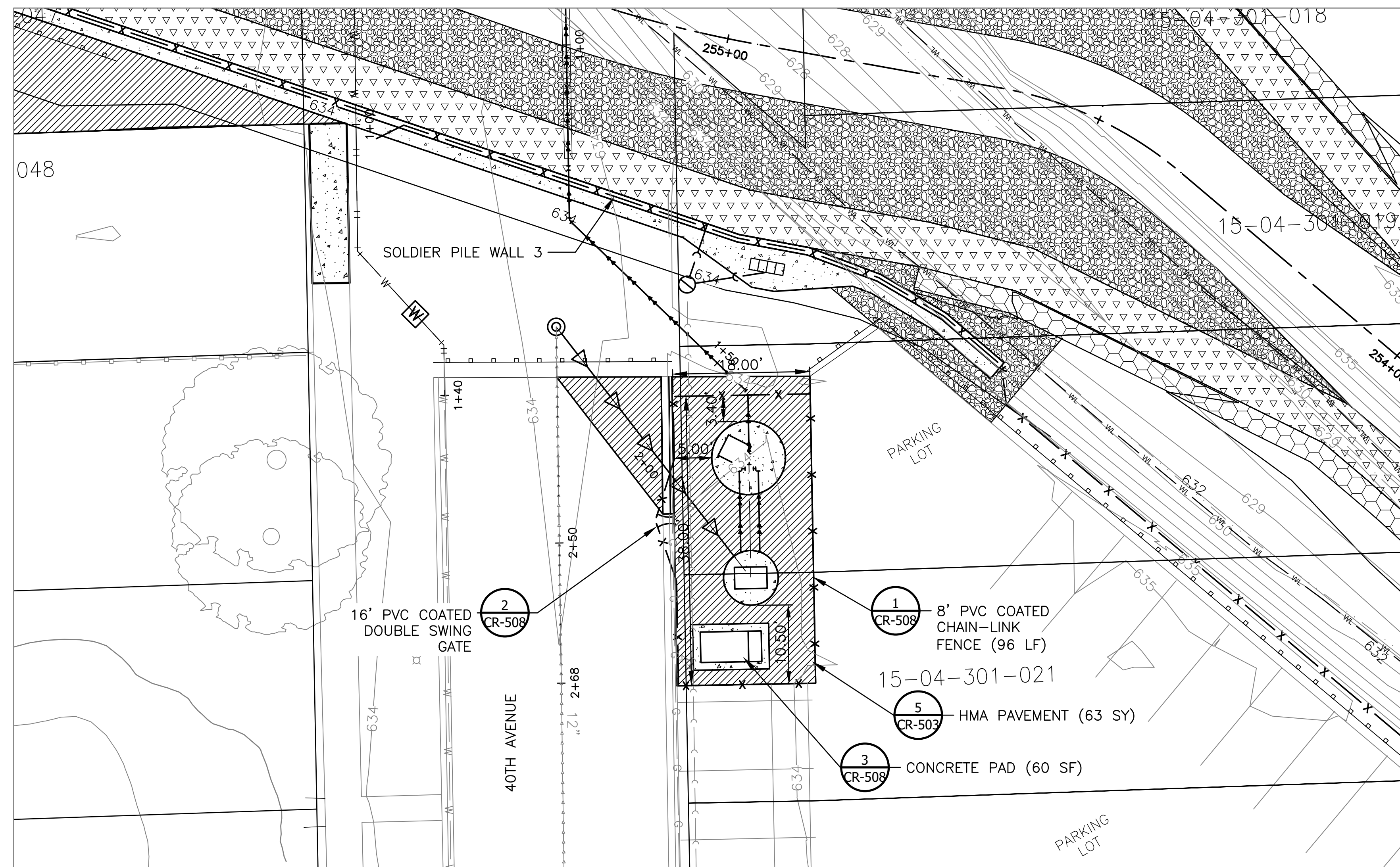
CONTRACT 11-187-3F
 ADDISON CREEK CHANNEL IMPROVEMENTS

RESTORATION PLAN - REACH 2
 STA. 259+20 TO STA. 254+20

Sheet Number:
CR-106

Page Number: 311



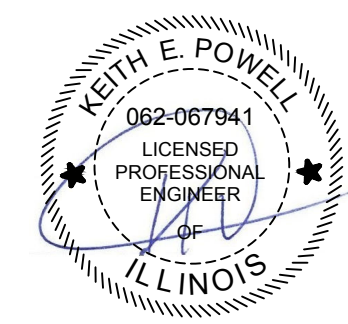


LEGEND

- HMA PAVEMENT
- CONCRETE PAD
- CHAIN-LINK FENCE

NOTES:

1. ALL DIMENSIONS, ELEVATIONS AND LOCATIONS OF PROPOSED STRUCTURES ARE FOR LAYOUT PURPOSES ONLY. ACTUAL DIMENSIONS, ELEVATIONS AND LOCATIONS ARE SUBJECT TO FIELD MODIFICATIONS DEPENDENT UPON CONSTRUCTION SEQUENCING AND FIELD DETERMINATIONS.
2. CONTRACTOR TO CONFIRM LOCATIONS OF UTILITIES, STRUCTURES ETC. PRIOR TO COMMENCING CONSTRUCTION. ANY AND ALL DIFFICULTIES AND CONFLICTS TO BE BROUGHT TO FIELD ENGINEER'S ATTENTION IMMEDIATELY.
3. THE DISTURBED AREA SHALL BE RESTORED TO LIKE OR BETTER THAN ORIGINAL CONDITIONS.
4. CURB PROTECTION SHALL BE PROVIDE AS REQUIRED. CURB PROTECTION WILL BE INCIDENTAL FOR THE LIFT STATION.
5. ALL NUTS, BOLTS, SPRINGS, WASHERS AND RESTRAINED JOINTS SHALL BE STAINLESS STEEL.
6. ALL PIPING, VALVES, FITTINGS AND APPURTENANCES SHALL BE COATED IN ACCORDANCE WITH THE SPECIFICATIONS.
7. CONTRACTOR SHALL PROVIDE A MOBILIZATION PLAN (SHOWING THE LOCATION OF CONSTRUCTION EQUIPMENT, MATERIALS, FACILITIES, TRAILERS, ETC.). THIS WORK SHALL BE CONSIDERED INCIDENTAL FOR THE LIFT STATION. BUSINESS PARKING LOTS AND RESIDENTIAL PARKING SPACES CANNOT BE USED AS TEMPORARY STORAGE AREAS.
8. CONTRACTOR TO RESTORE AREAS DAMAGED OR IMPACTED BY CONSTRUCTION ACCESS, AND STAGINING IN-KIND IN ACCORDANCE WITH THE ENGINEER.
9. SEE LANDSCAPE SHEETS FOR LANDSCAPING.



Rev.	Description	Appr.	Date

**METROPOLITAN WATER RECLAMATION DISTRICT
OF GREATER CHICAGO**

Designed by: K.E.P.	Checked by: C.B.	Scale: AS SHOWN
Drawn by: J.P.S.	Reviewed by: S.T.D.	Date: 2022
Correct:		

Engineering Enterprises, Inc.
 Consulting Engineers
 92 Wheeler Road
 Sugar Grove, Illinois 60554
 630.466.6700
 www.eeiweb.com

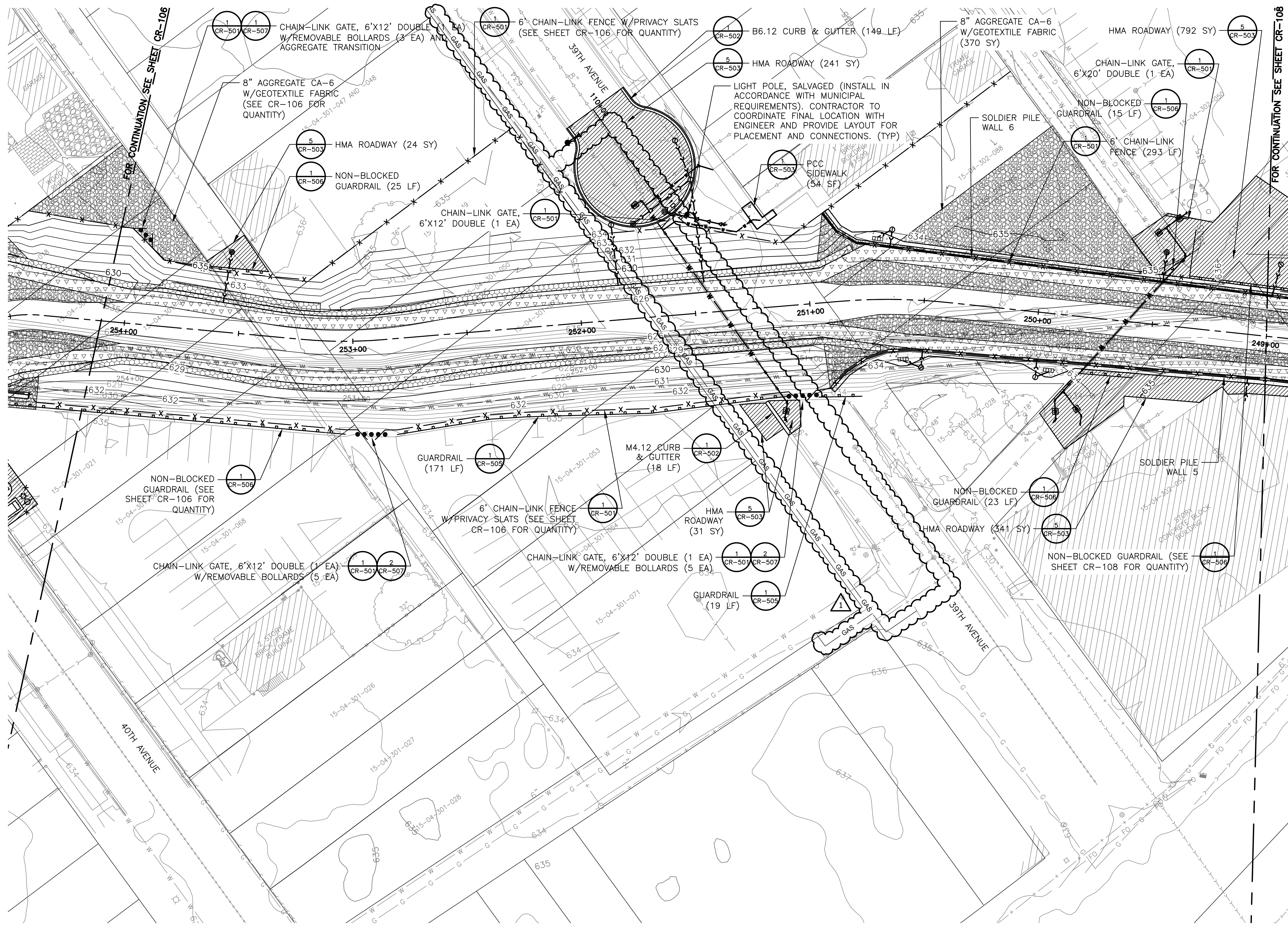
ILLINOIS PROFESSIONAL ENGINEER
 LIC. # 194-022003

CONTRACT 11-187-3F
 ADDISON CREEK CHANNEL IMPROVEMENTS

RESTORATION PLAN - REACH 2
 LIFT STATION SITE

Sheet Number:
CR-106A

Page Number: 312

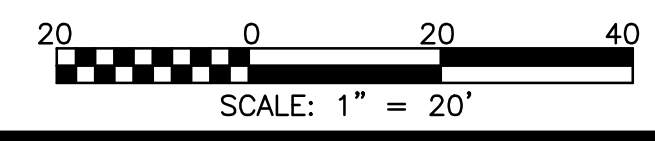
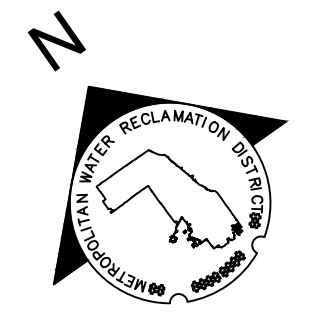


LEGEND

- HMA ROADWAY
- PCC SIDEWALK
- GUARDRAIL
- CHAIN-LINK FENCE
- WOOD FENCE
- REMOVABLE BOLLARD

NOTES:

1. CONTRACTOR TO RESTORE AREAS DAMAGED OR IMPACTED BY CONSTRUCTION ACCESS, AND STAGING IN-KIND IN ACCORDANCE WITH THE ENGINEER.
2. SEE LANDSCAPE SHEETS FOR LANDSCAPING.



Rev.	Description	Appr.	Date
1	ADDENDUM NO. 8	JAW	05/24/23

METROPOLITAN WATER RECLAMATION DISTRICT OF GREATER CHICAGO

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 Engineering, Ecology and Landscape Architecture
 8755 WEST HIGGINS ROAD, SUITE 835
 CHICAGO, ILLINOIS 60631
 OFFICE (773) 699-2000
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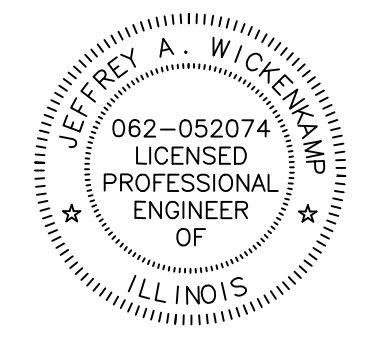
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 Date: 2022
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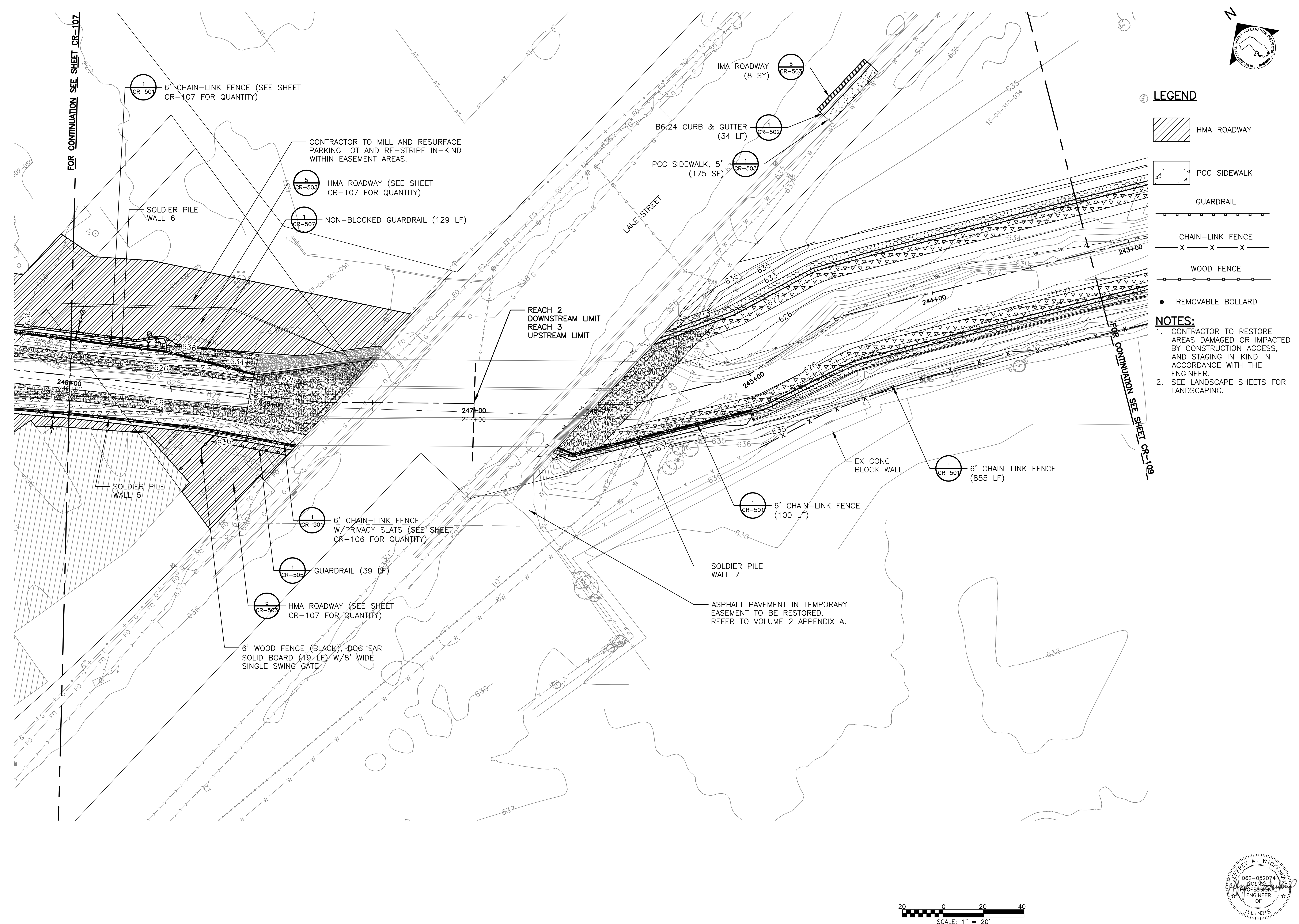
CONTRACT 11-187-3F
 ADDISON CREEK CHANNEL IMPROVEMENTS

RESTORATION PLAN - REACH 2
 STA. 254+20 TO STA. 249+00

Sheet Number:
CR-107

Page Number: 313

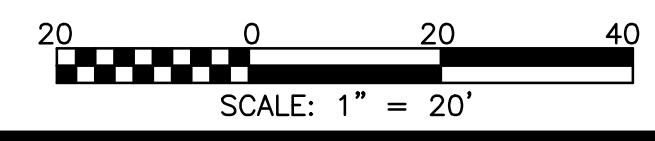
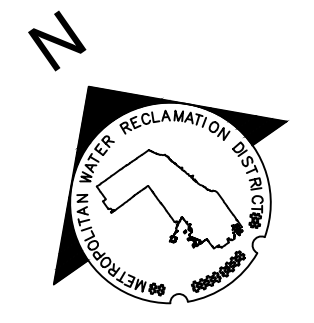




LEGEND

- HMA ROADWAY
- PCC SIDEWALK
- GUARDRAIL
- CHAIN-LINK FENCE
- WOOD FENCE
- REMOVABLE BOLLARD

- NOTES:**
- CONTRACTOR TO RESTORE AREAS DAMAGED OR IMPACTED BY CONSTRUCTION ACCESS, AND STAGING IN-KIND IN ACCORDANCE WITH THE ENGINEER.
 - SEE LANDSCAPE SHEETS FOR LANDSCAPING.



Rev.	Description	Appr.	Date

METROPOLITAN WATER RECLAMATION DISTRICT OF GREATER CHICAGO

Contract 11-187-3F
 ADDISON CREEK CHANNEL IMPROVEMENTS

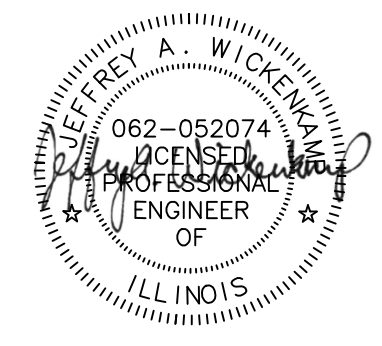
RESTORATION PLAN - REACH 2 & 3
 STA. 249+00 TO STA. 243+20

Designed by: TCT/KSS
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 Correct: JAW

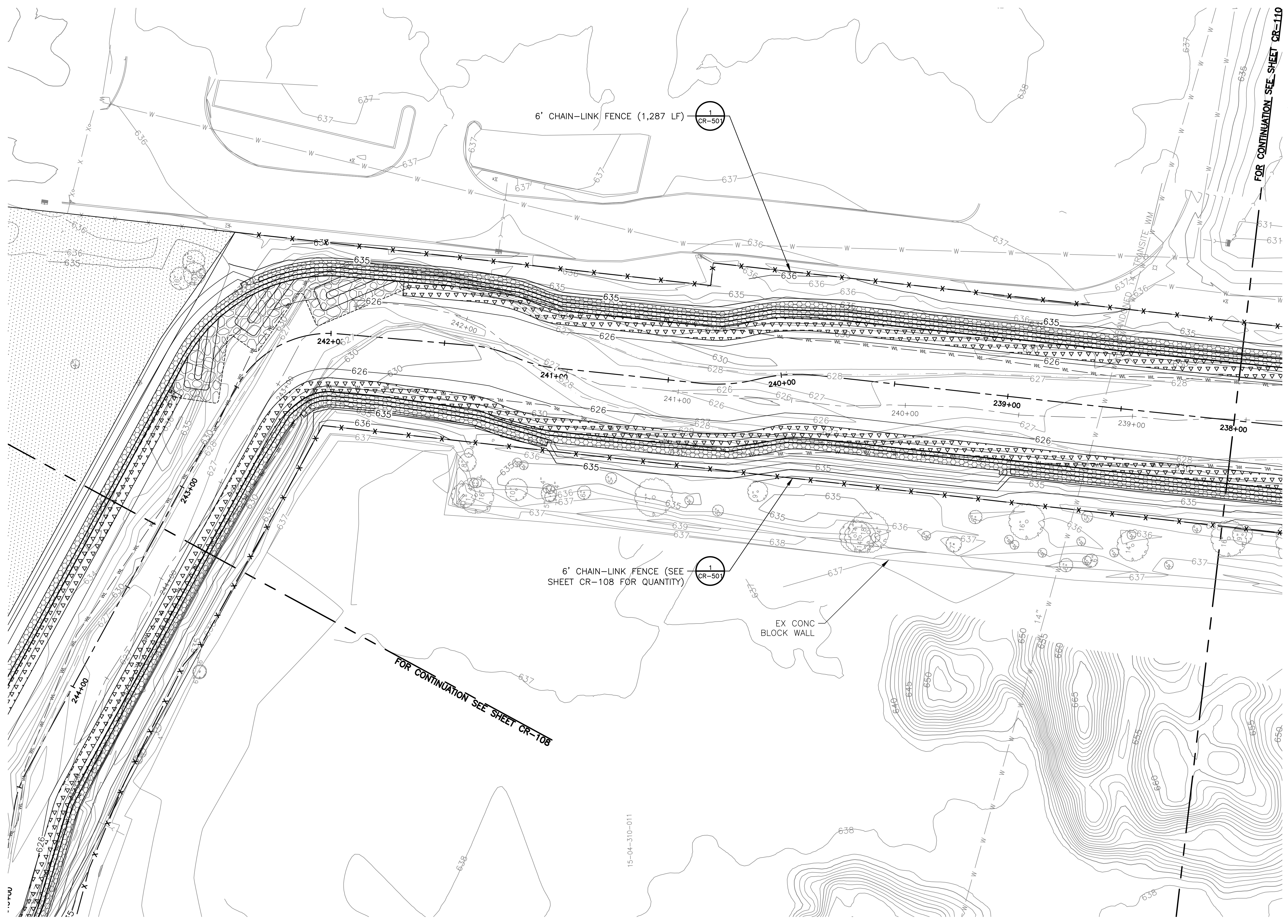
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Reviewed by: JAW
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 CHICAGO, ILLINOIS 60631
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 CHICAGO@HEYANDASSOCIATES.COM
 PROFESSIONAL DESIGN FIRM
 LICENSE NO. 184002429



Sheet Number:
CR-108
 Page Number: 314

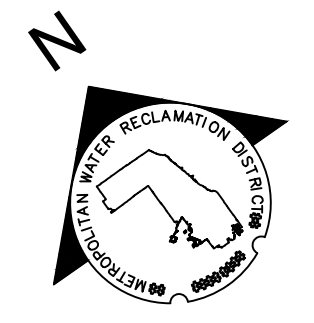


LEGEND

CHAIN-LINK FENCE
 — x — x — x —

NOTES:

1. CONTRACTOR TO RESTORE AREAS DAMAGED OR IMPACTED BY CONSTRUCTION ACCESS, AND STAGING IN-KIND IN ACCORDANCE WITH THE ENGINEER.
2. SEE LANDSCAPE SHEETS FOR LANDSCAPING.



Rev.	Description	Appr.	Date

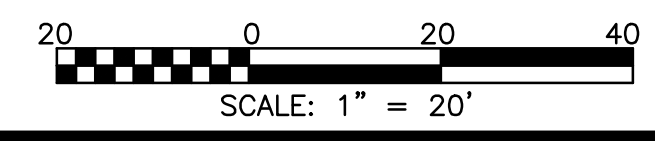
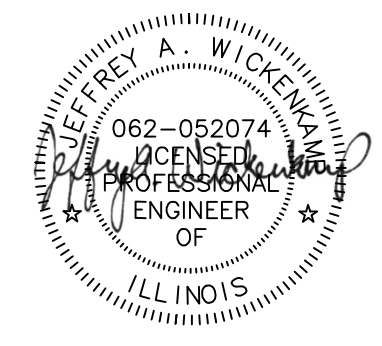
METROPOLITAN WATER RECLAMATION DISTRICT OF GREATER CHICAGO

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Correct:		

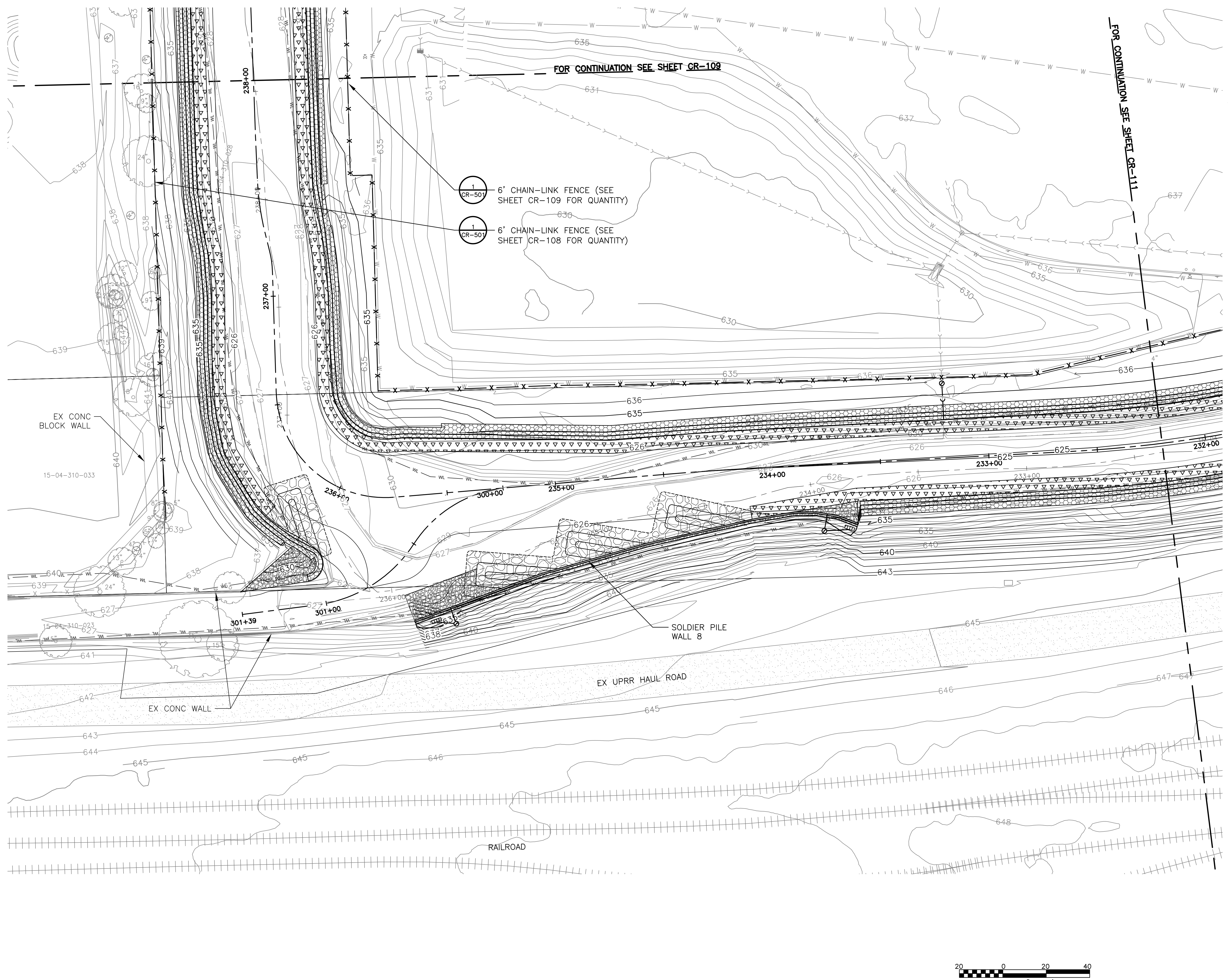
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CONTRACT 11-187-3F
 ADDISON CREEK CHANNEL IMPROVEMENTS
RESTORATION PLAN - REACH 3
 STA. 243+20 TO STA. 238+00

Sheet Number:
CR-109
 Page Number: 315



15-04-310-011



LEGEND

CHAIN-LINK FENCE
 X X X

NOTES:

1. CONTRACTOR TO RESTORE AREAS DAMAGED OR IMPACTED BY CONSTRUCTION ACCESS, AND STAGING IN-KIND IN ACCORDANCE WITH THE ENGINEER.
2. SEE LANDSCAPE SHEETS FOR LANDSCAPING.

Rev.	Description	Appr.	Date

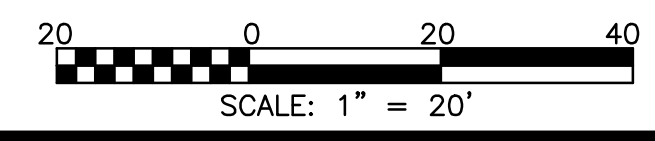
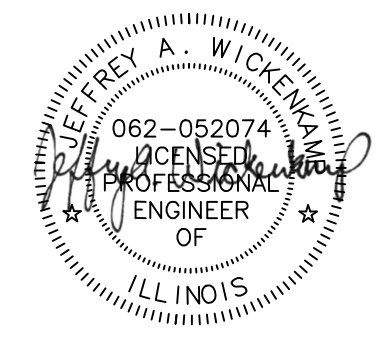
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 OF GREATER CHICAGO**

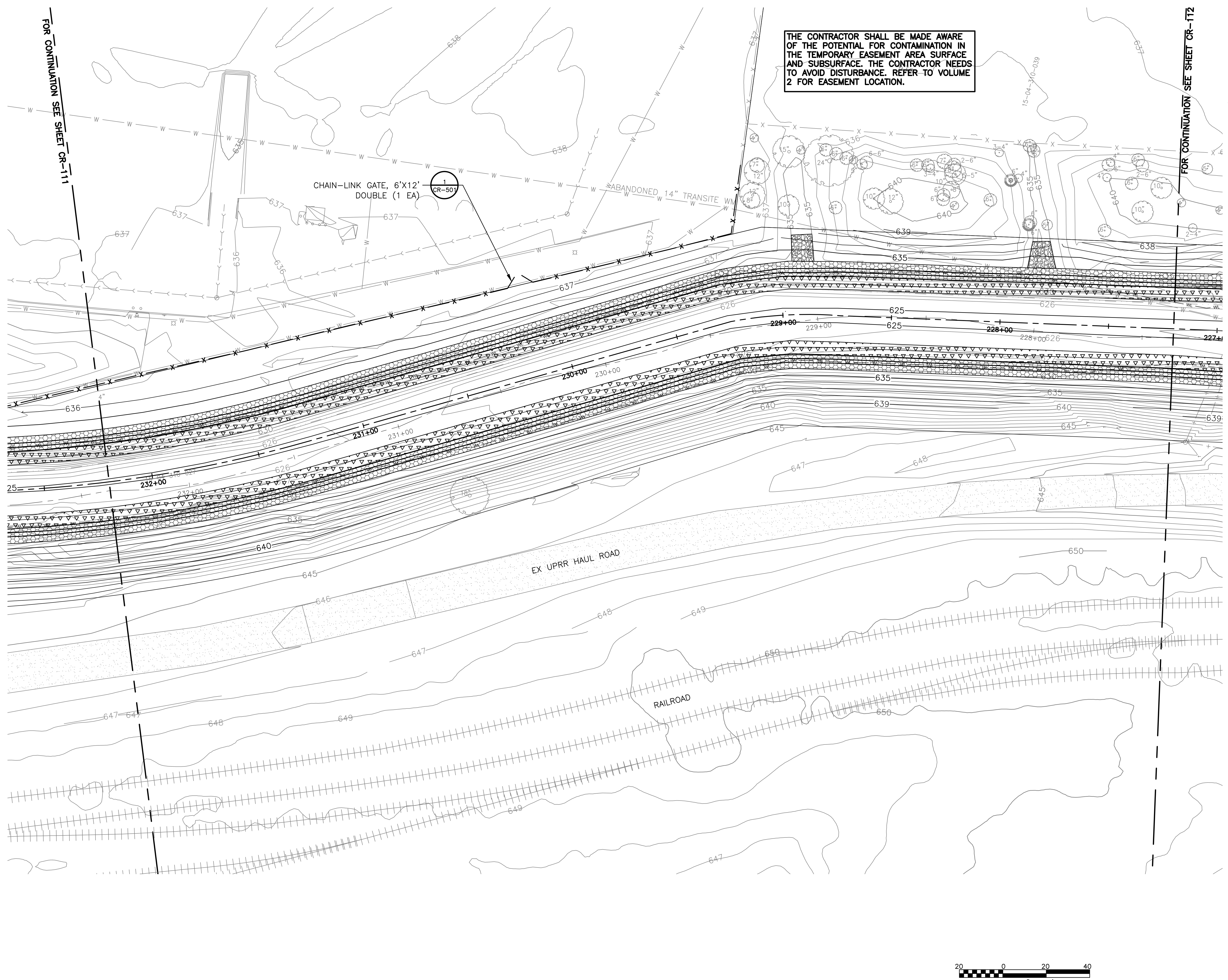
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Correct:		

CONTRACT 11-187-3F
 ADDISON CREEK CHANNEL IMPROVEMENTS
RESTORATION PLAN - REACH 3
 STA. 238+00 TO STA. 232+20

Sheet Number:
CR-110
 Page Number: 316

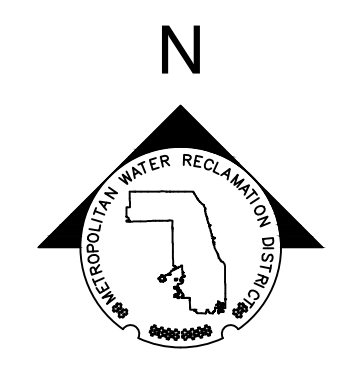




FOR CONTINUATION SEE SHEET CR-111

FOR CONTINUATION SEE SHEET CR-112

THE CONTRACTOR SHALL BE MADE AWARE OF THE POTENTIAL FOR CONTAMINATION IN THE TEMPORARY EASEMENT AREA SURFACE AND SUBSURFACE. THE CONTRACTOR NEEDS TO AVOID DISTURBANCE. REFER TO VOLUME 2 FOR EASEMENT LOCATION.



LEGEND

CHAIN-LINK FENCE
 X X X

NOTES:

1. CONTRACTOR TO RESTORE AREAS DAMAGED OR IMPACTED BY CONSTRUCTION ACCESS, AND STAGING IN-KIND IN ACCORDANCE WITH THE ENGINEER.
2. SEE LANDSCAPE SHEETS FOR LANDSCAPING.

Rev.	Description	Appr.	Date

METROPOLITAN WATER RECLAMATION DISTRICT OF GREATER CHICAGO

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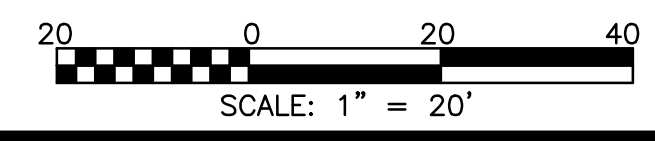
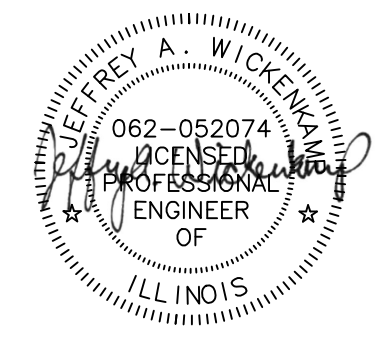
Reviewed by: JAW

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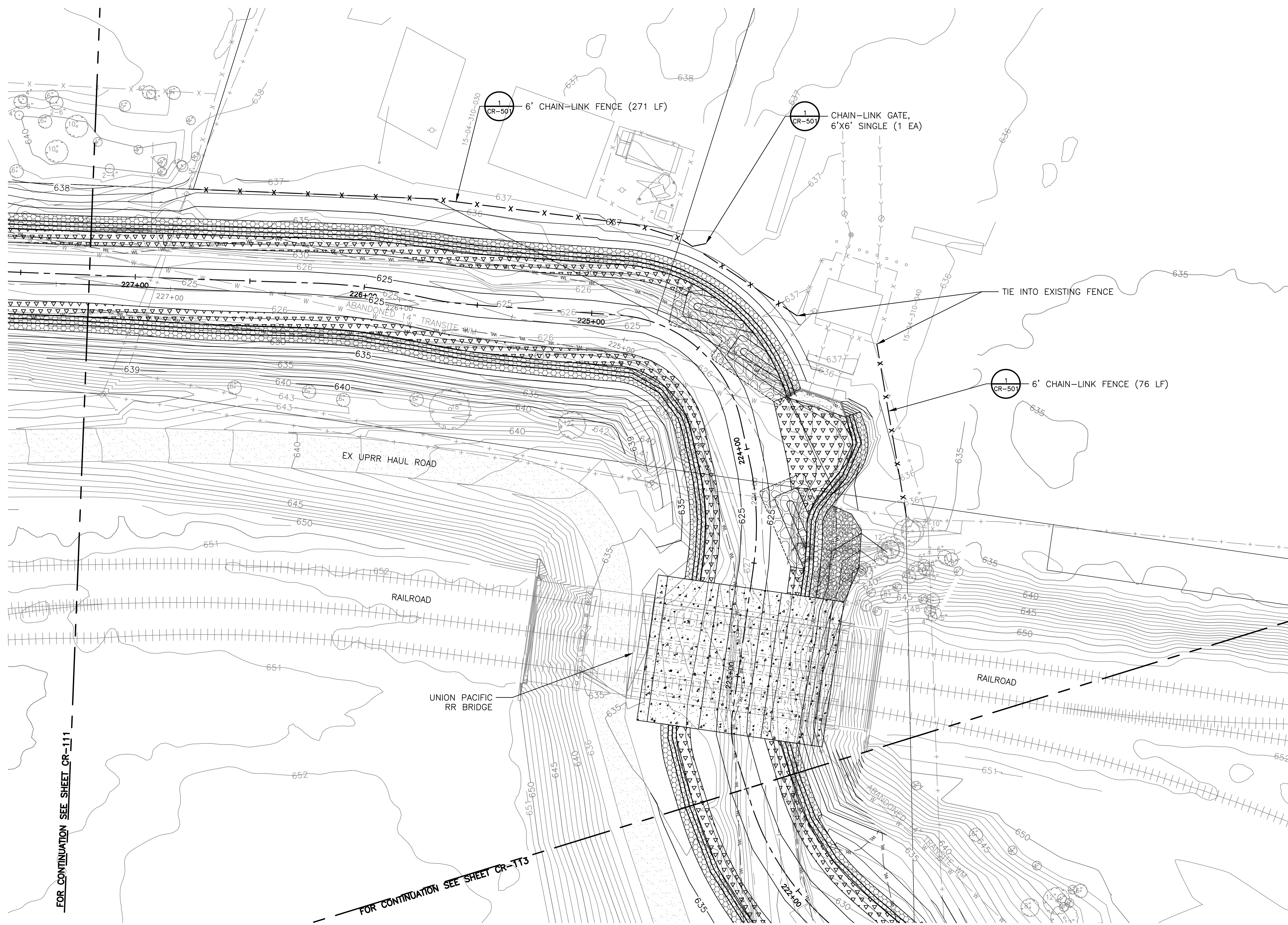
CONTRACT 11-187-3F
 ADDISON CREEK CHANNEL IMPROVEMENTS

RESTORATION PLAN - REACH 3
 STA. 232+20 TO STA. 227+20

Sheet Number:
CR-111
 Page Number: 317

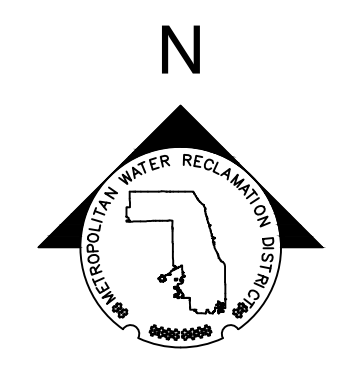


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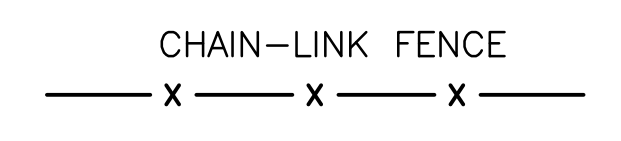


FOR CONTINUATION SEE SHEET CR-111

FOR CONTINUATION SEE SHEET CR-113



LEGEND



NOTES:

- CONTRACTOR TO RESTORE AREAS DAMAGED OR IMPACTED BY CONSTRUCTION ACCESS, AND STAGING IN-KIND IN ACCORDANCE WITH THE ENGINEER.
- SEE LANDSCAPE SHEETS FOR LANDSCAPING.

Rev.	Description	Appr.	Date

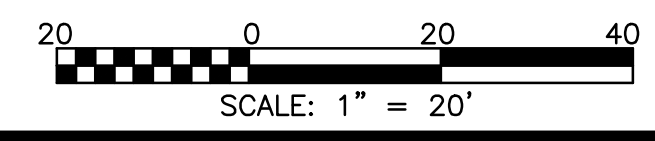
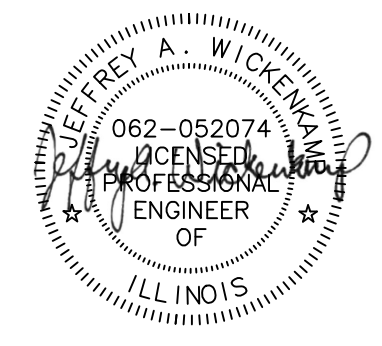
**METROPOLITAN WATER RECLAMATION DISTRICT
 OF GREATER CHICAGO**

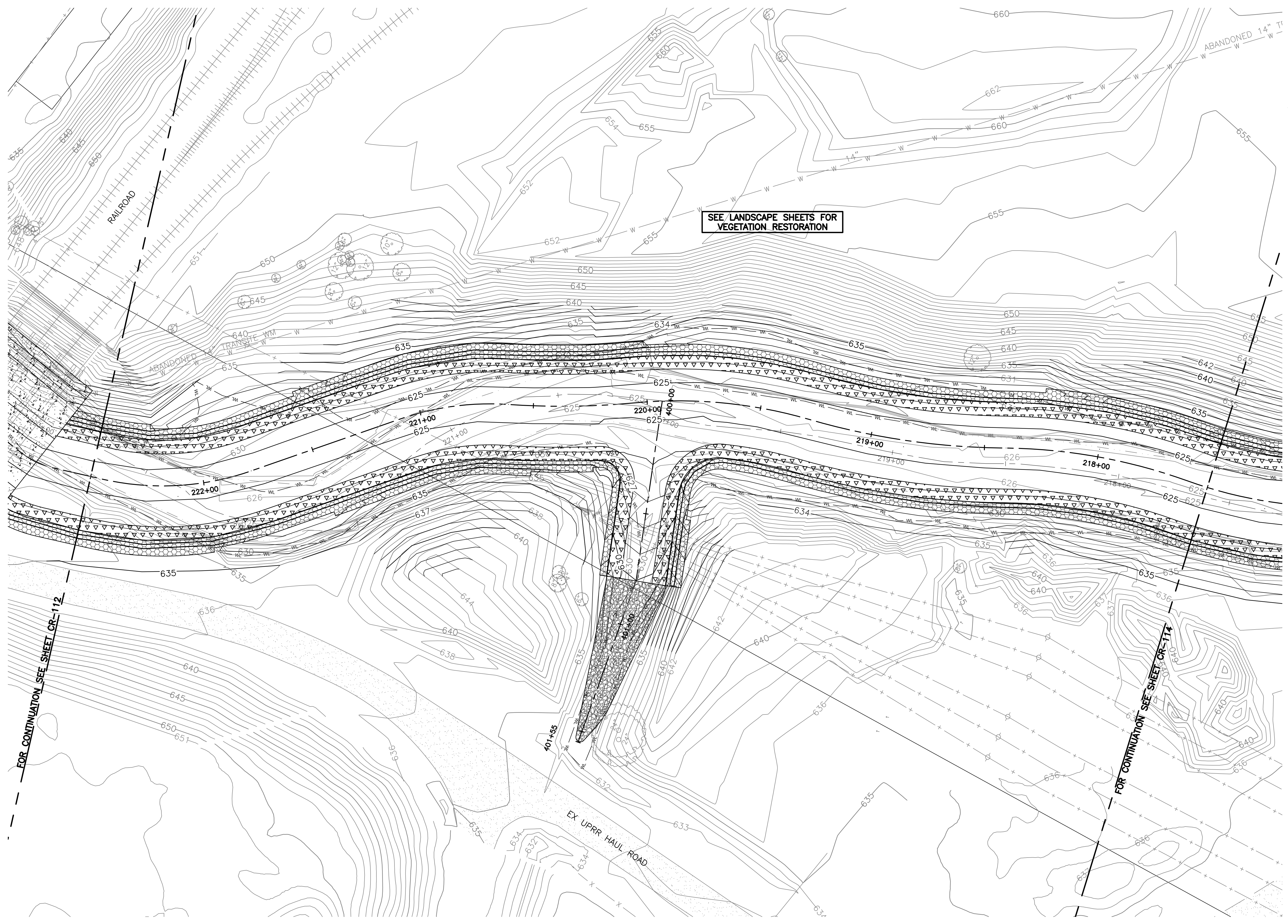
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Correct:					

CONTRACT 11-187-3F
 ADDISON CREEK CHANNEL IMPROVEMENTS
RESTORATION PLAN - REACH 3
 STA. 227+20 TO STA. 222+50

Sheet Number:
CR-112
 Page Number: 318



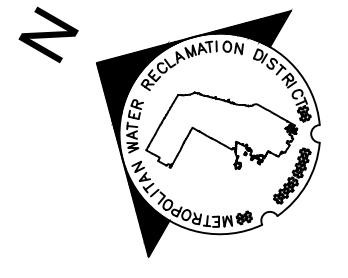


LEGEND

CHAIN-LINK FENCE
 — x — x — x —

NOTE:

- CONTRACTOR TO RESTORE AREAS DAMAGED OR IMPACTED BY CONSTRUCTION ACCESS, AND STAGING IN-KIND IN ACCORDANCE WITH THE ENGINEER.



Rev.	Description	Appr.	Date

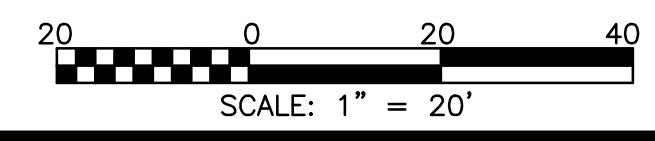
METROPOLITAN WATER RECLAMATION DISTRICT OF GREATER CHICAGO

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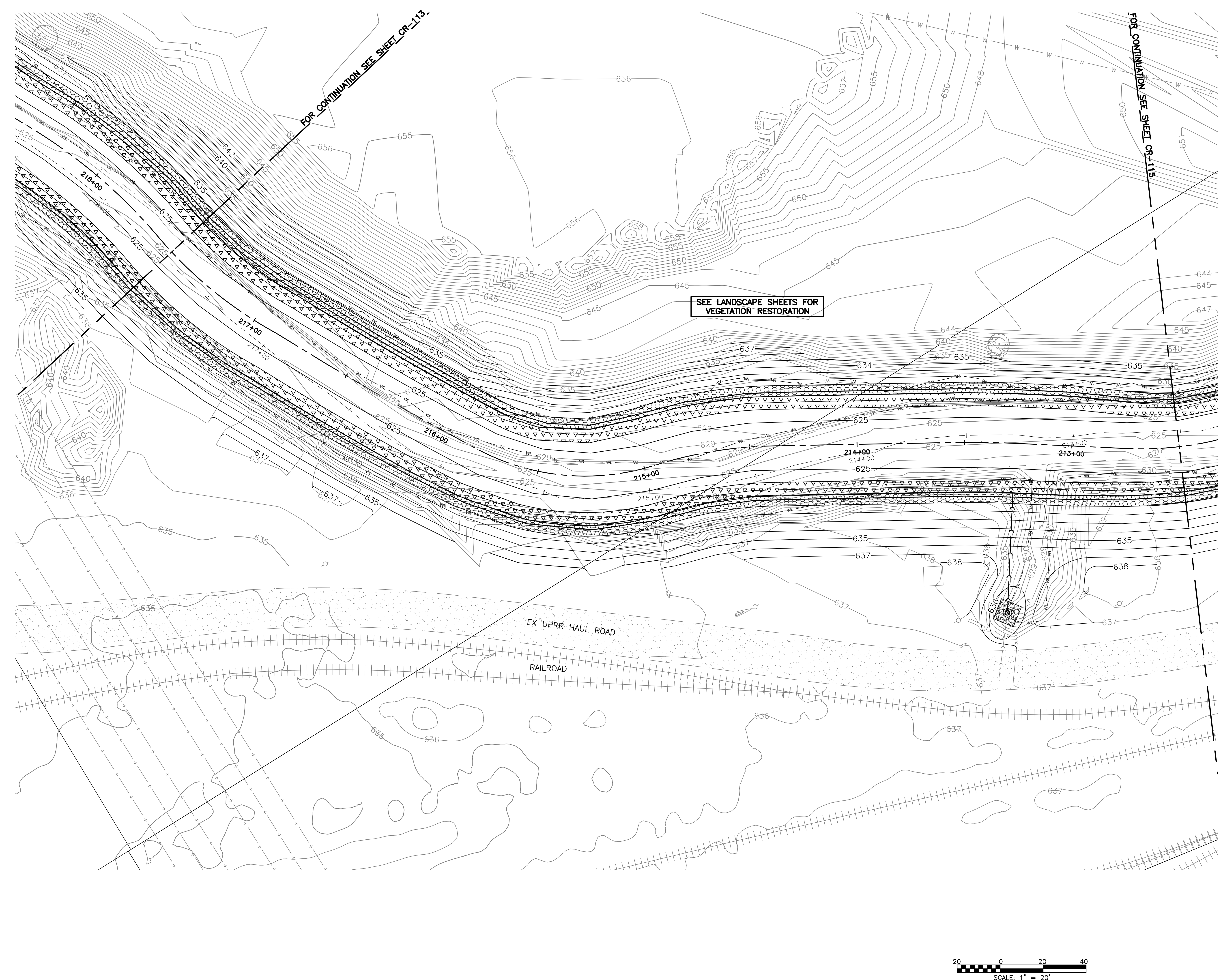
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CONTRACT 11-187-3F
 ADDISON CREEK CHANNEL IMPROVEMENTS

RESTORATION PLAN - REACH 3
 STA. 222+50 TO STA. 217+50



Sheet Number:
CR-113
 Page Number: 319



LEGEND

6' CHAIN-LINK FENCE
 X X X

NOTE:

- CONTRACTOR TO RESTORE AREAS DAMAGED OR IMPACTED BY CONSTRUCTION ACCESS, AND STAGING IN-KIND IN ACCORDANCE WITH THE ENGINEER.



Rev.	Description	Appr.	Date

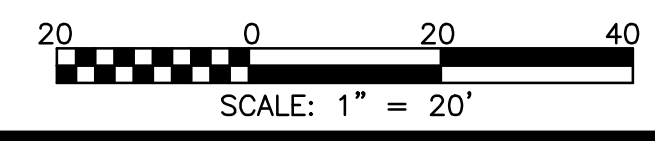
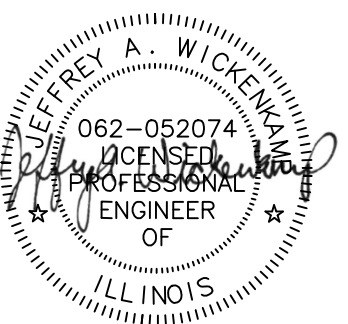
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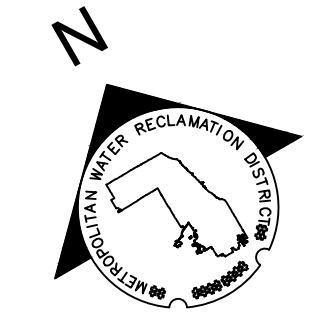
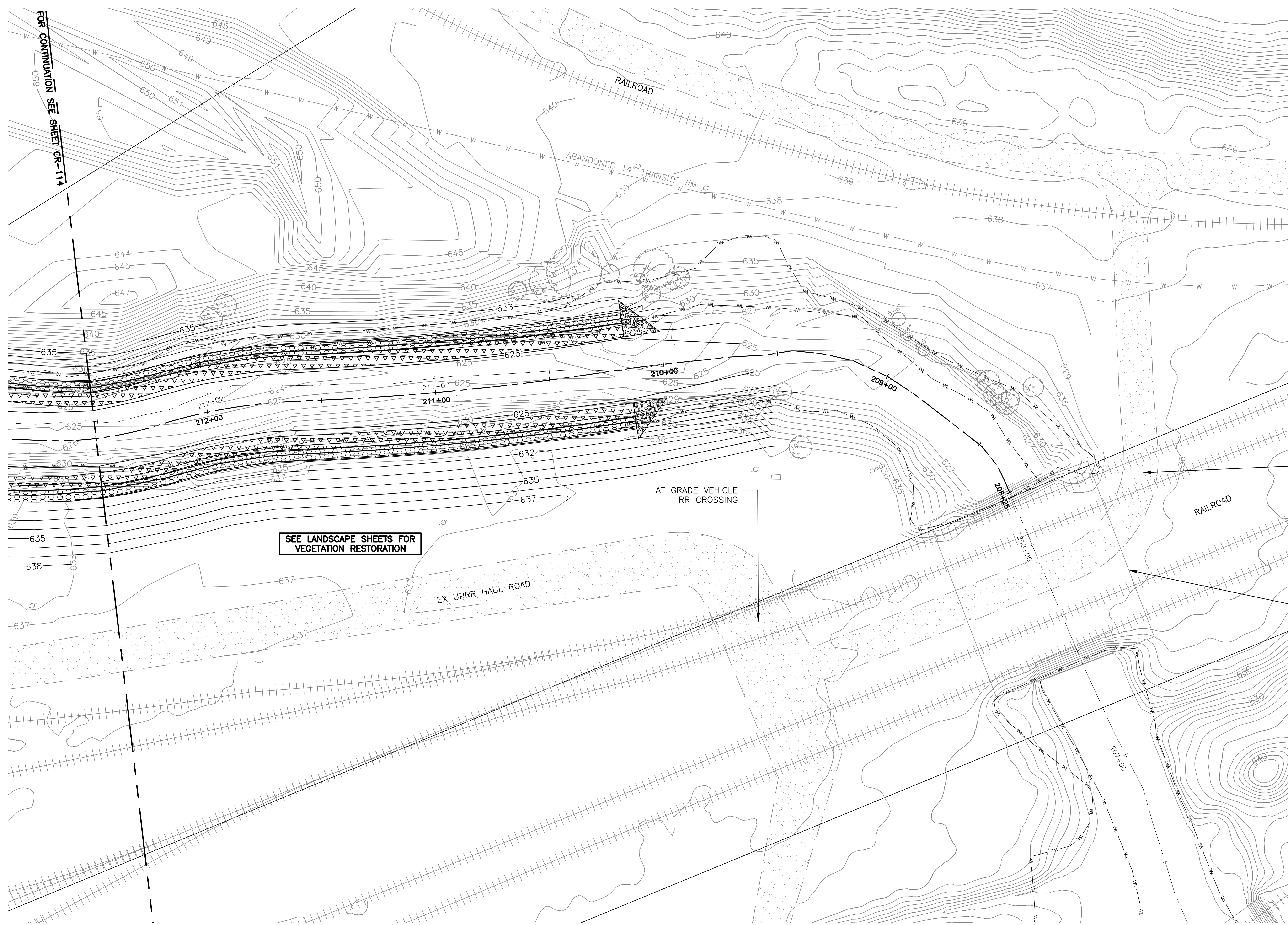
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CONTRACT 11-187-3F
 ADDISON CREEK CHANNEL IMPROVEMENTS
RESTORATION PLAN - REACH 3
 STA. 217+50 TO STA. 212+50

Sheet Number:
CR-114
 Page Number: 320





LEGEND

CHAIN-LINK FENCE
 X X X

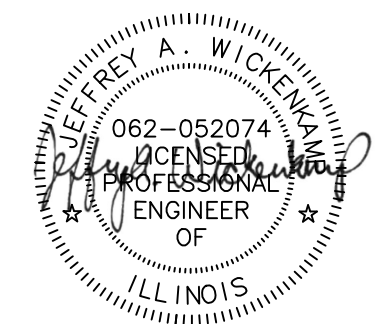
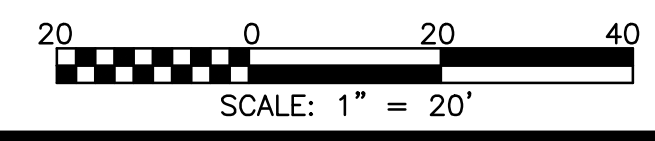
NOTE:

- CONTRACTOR TO RESTORE AREAS DAMAGED OR IMPACTED BY CONSTRUCTION ACCESS, AND STAGING IN-KIND IN ACCORDANCE WITH THE ENGINEER.

SEE LANDSCAPE SHEETS FOR VEGETATION RESTORATION

AT GRADE VEHICLE RR CROSSING

UNION PACIFIC RR BRIDGE



Rev.	Description	Appr.	Date

METROPOLITAN WATER RECLAMATION DISTRICT OF GREATER CHICAGO

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 Checked by: PML
 Drawn by: KSS
 Correct: JAW

Scale: AS SHOWN
 Date: 2022

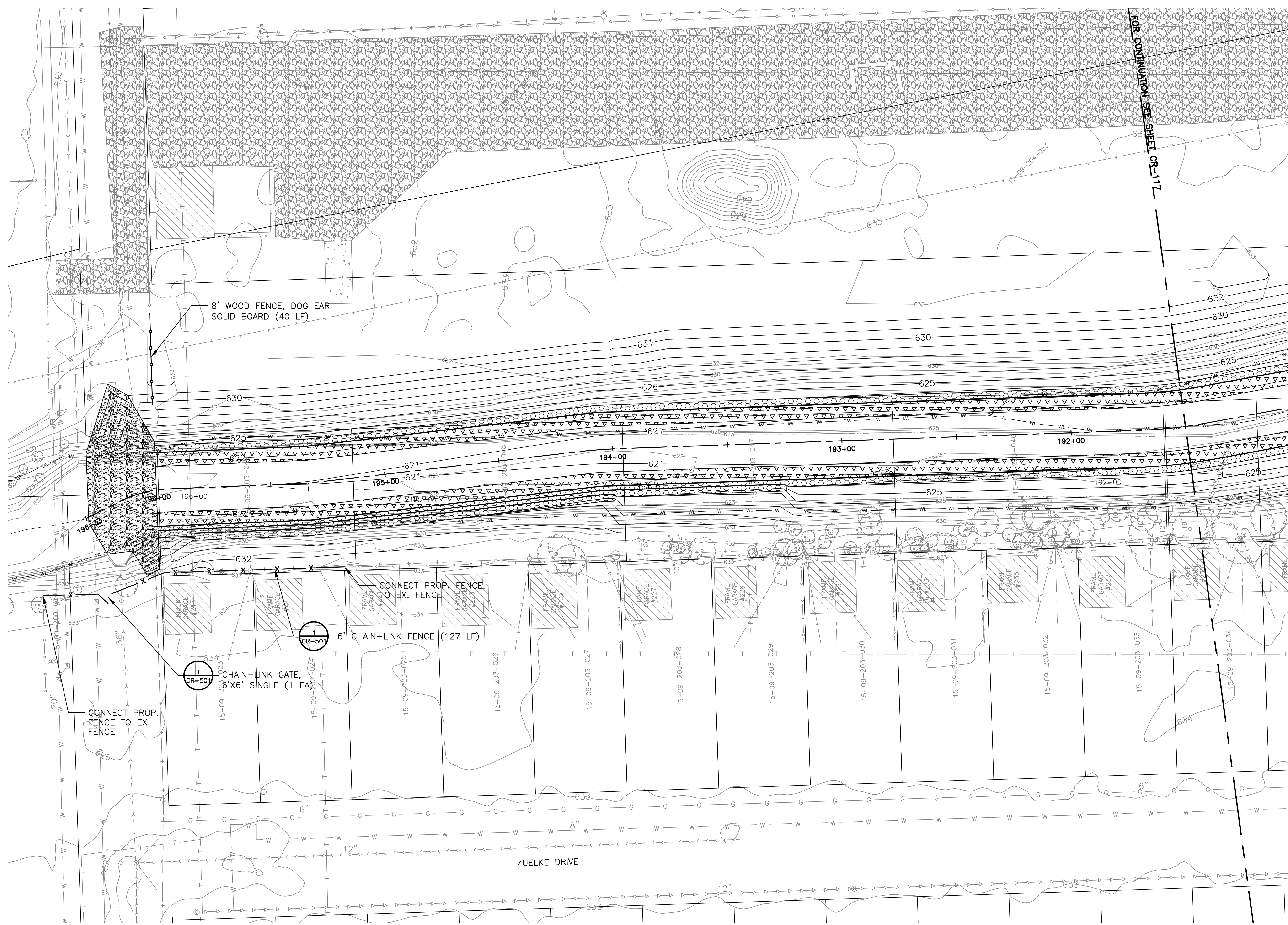
Hey and Associates, Inc.
 Engineering, Ecology and Landscape Architecture
 CHICAGO, ILLINOIS 60631
 OFFICE (773) 699-9200
 CHICAGO@HEYASAC.COM
 PROFESSIONAL DESIGN FIRM
 LICENSE NO. 18400429

CONTRACT 11-187-3F
 ADDISON CREEK CHANNEL IMPROVEMENTS

RESTORATION PLAN - REACH 3
 STA. 212+50 TO STA. 209+50

Sheet Number:
CR-115

Page Number: 321

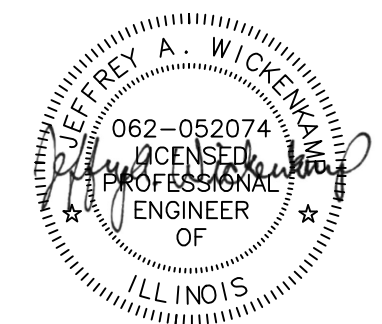
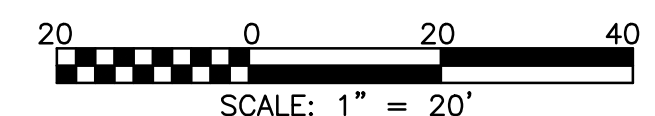


LEGEND

- HMA PAVEMENT
- PCC SIDEWALK
- CHAIN-LINK FENCE
- WOOD FENCE
- REMOVABLE BOLLARD

NOTES:

1. CONTRACTOR TO RESTORE AREAS DAMAGED OR IMPACTED BY CONSTRUCTION ACCESS, AND STAGING IN-KIND IN ACCORDANCE WITH THE ENGINEER.
2. SEE LANDSCAPE SHEETS FOR LANDSCAPING.



Rev.	Description	Appr.	Date

METROPOLITAN WATER RECLAMATION DISTRICT OF GREATER CHICAGO

Designed by: TCT	Checked by: PML	Scale: AS SHOWN
Drawn by: KSS	Reviewed by: JAW	Date: 2022
Correct:		Professional Design Firm LICENSE NO. 184002429

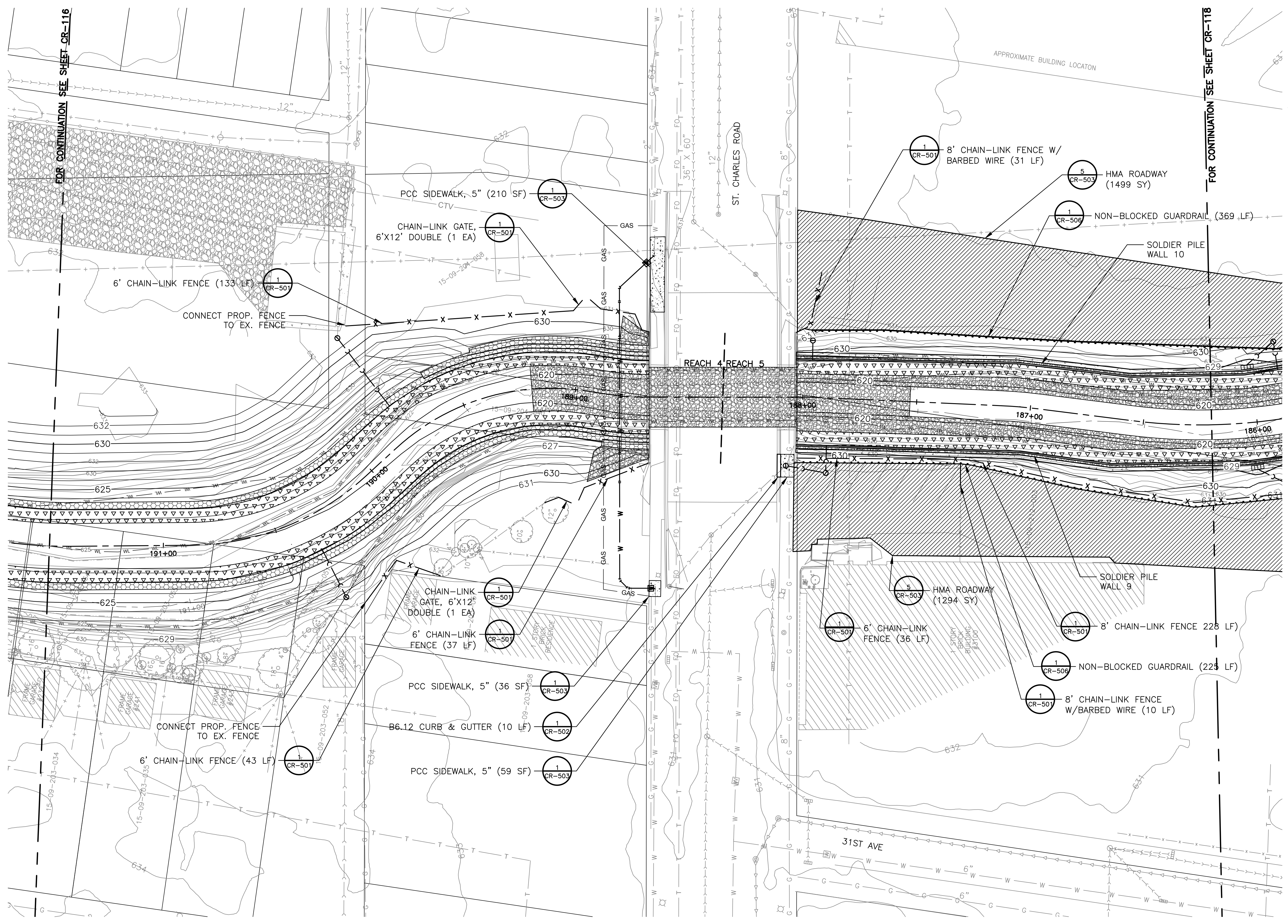
CONTRACT 11-187-3F
 ADDISON CREEK CHANNEL IMPROVEMENTS

RESTORATION PLAN - REACH 4
 STA. 196+33 TO STA. 191+50

Sheet Number:
CR-116

Page Number: 322

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 Engineering, Ecology and Landscape Architecture
 CHICAGO, ILLINOIS 60631
 OFFICE (773) 699-9200
 CHICAGO@HEYASAC.COM

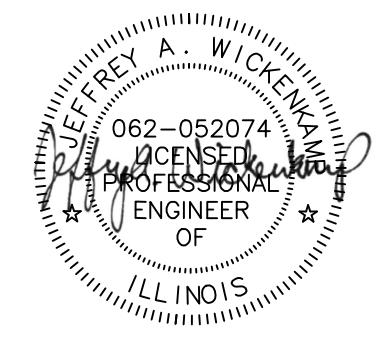
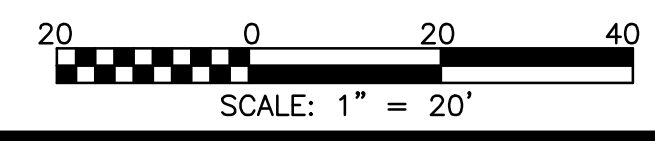
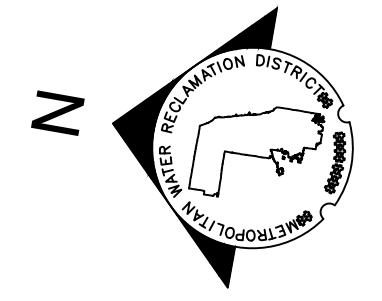


LEGEND

- HMA PAVEMENT
- PCC SIDEWALK
- CONCRETE PAVEMENT
- CHAIN-LINK FENCE
- REMOVABLE BOLLARD

NOTES:

1. CONTRACTOR TO RESTORE AREAS DAMAGED OR IMPACTED BY CONSTRUCTION ACCESS, AND STAGING IN-KIND IN ACCORDANCE WITH THE ENGINEER.
2. REPLACEMENT FENCING SHALL MATCH EXISTING FENCE AS DIRECTED BY ENGINEER.
3. SEE LANDSCAPE SHEETS FOR LANDSCAPING.



Rev.	Description	Appr.	Date

**METROPOLITAN WATER RECLAMATION DISTRICT
 OF GREATER CHICAGO**

Designed by: TCT	Checked by: PML	Scale: AS SHOWN
Drawn by: KSS	Reviewed by: JAW	Date: 2022
Correct:		

Hey and Associates, Inc.
 Engineering, Ecology and Landscape Architecture
 8755 WEST HERGANS ROAD, SUITE 835
 CHICAGO, ILLINOIS 60631
 OFFICE (773) 699-9200
 CHICAGO@HEYASAC.COM
 PROFESSIONAL DESIGN FIRM
 LICENSE NO. 18400249

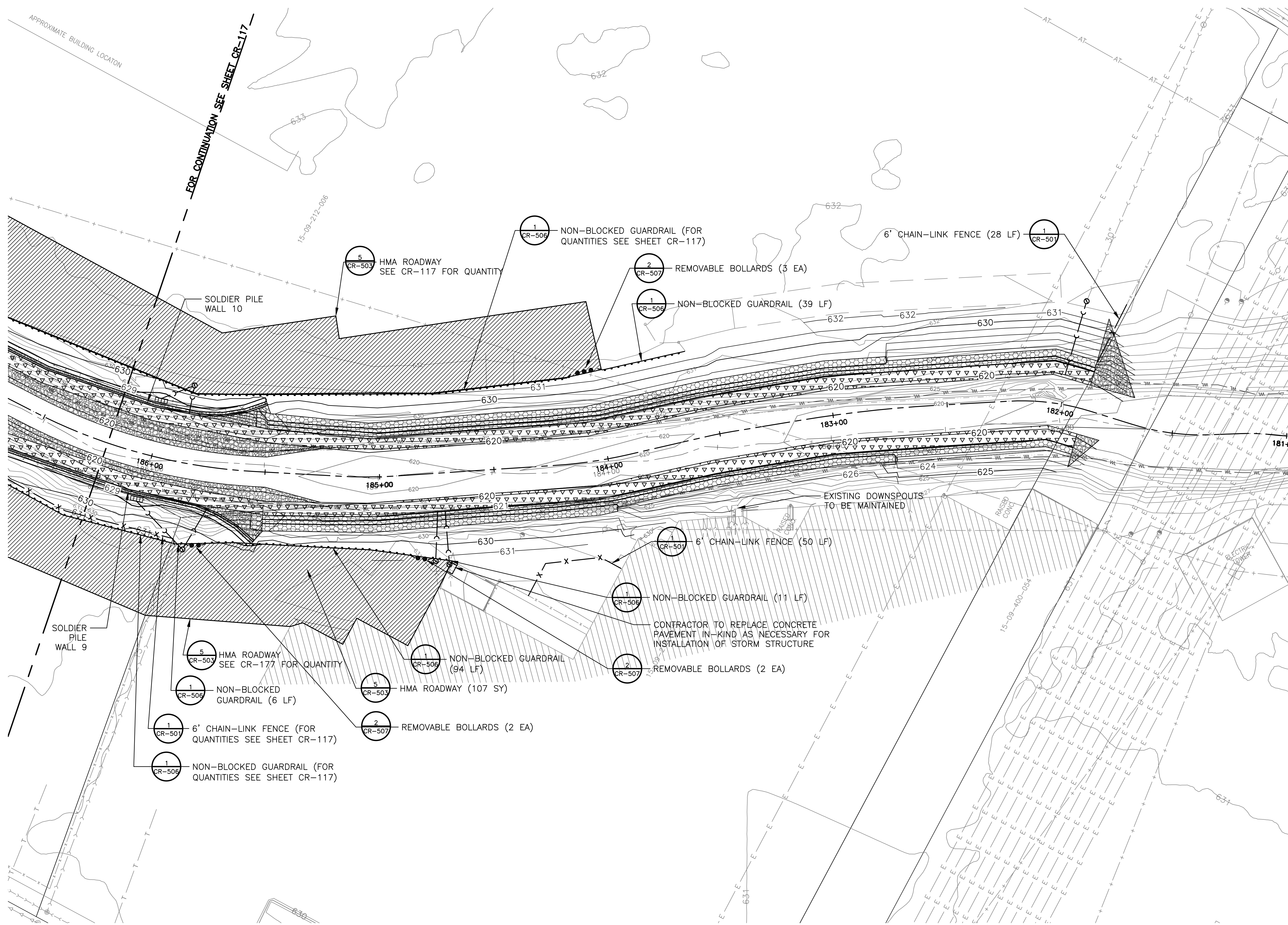
CONTRACT 11-187-3F
 ADDISON CREEK CHANNEL IMPROVEMENTS

RESTORATION PLAN - REACH 4 & 5
 STA. 191+50 TO STA. 186+20

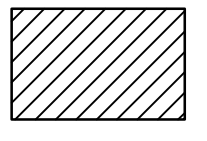
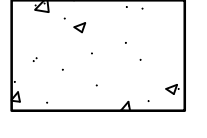
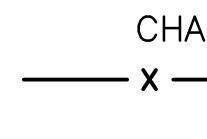

Sheet Number:
CR-117

Page Number: 323

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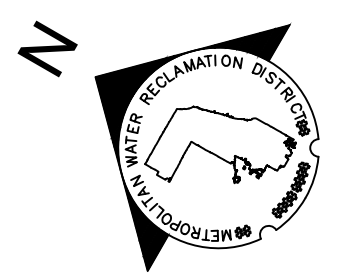


LEGEND

-  HMA PAVEMENT
-  PCC SIDEWALK
-  CHAIN-LINK FENCE
-  REMOVABLE BOLLARD

NOTES:

1. CONTRACTOR TO RESTORE AREAS DAMAGED OR IMPACTED BY CONSTRUCTION ACCESS, AND STAGING IN-KIND IN ACCORDANCE WITH THE ENGINEER.
2. SEE LANDSCAPE SHEETS FOR LANDSCAPING.



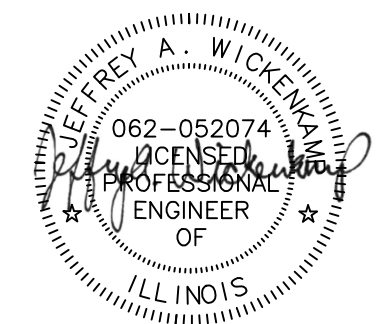
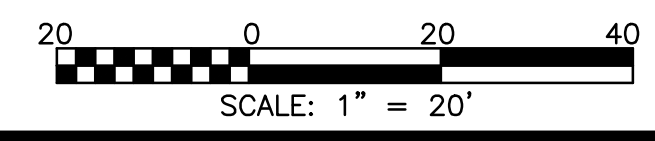
Rev.	Description	Appr.	Date

**METROPOLITAN WATER RECLAMATION DISTRICT
 OF GREATER CHICAGO**

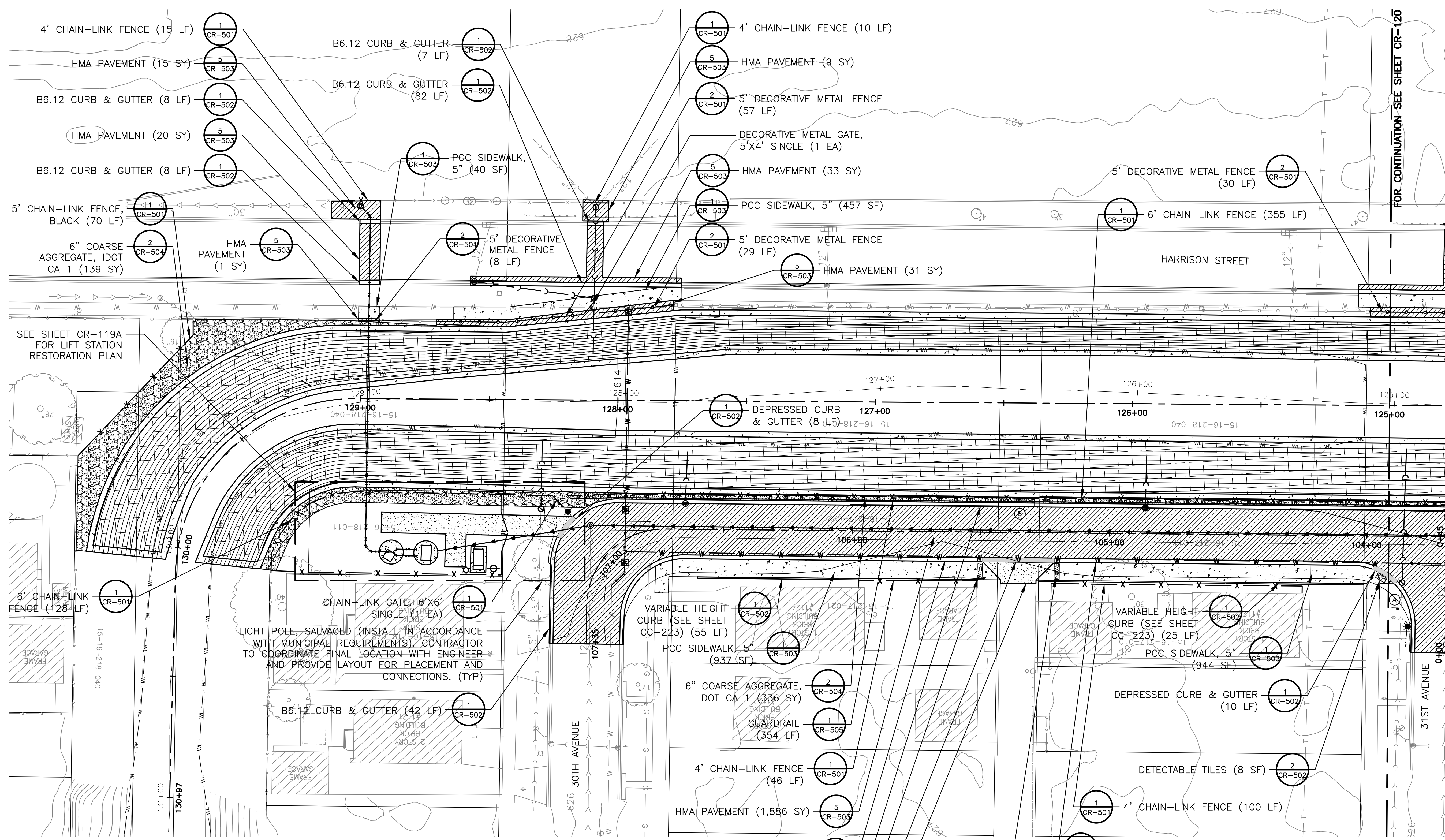
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Drawn by: KSS	Reviewed by: JAW	Date: 2022
Correct:		Professional Design Firm LICENSE NO. 18400249

CONTRACT 11-187-3F
 ADDISON CREEK CHANNEL IMPROVEMENTS
RESTORATION PLAN - REACH 5
 STA. 186+20 TO STA. 181+00

Sheet Number:
CR-118
 Page Number: 324



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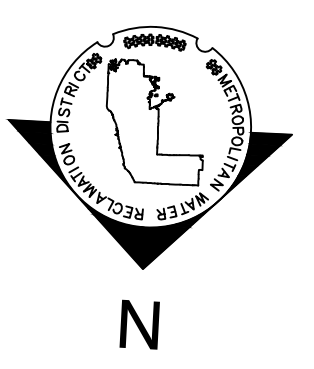


LEGEND

- HMA PAVEMENT
- PCC SIDEWALK
- CONCRETE PAVEMENT
- COARSE AGGREGATE IDOT CA 1
- GUARDRAIL
- CHAIN-LINK FENCE
- DECORATIVE METAL FENCE

NOTES:

- CONTRACTOR TO RESTORE AREAS DAMAGED OR IMPACTED BY CONSTRUCTION ACCESS, AND STAGING IN-KIND IN ACCORDANCE WITH THE ENGINEER.
- SEE LANDSCAPE SHEETS FOR LANDSCAPING.



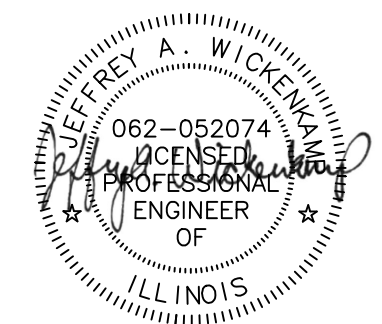
Rev.	Description	Appr.	Date

METROPOLITAN WATER RECLAMATION DISTRICT OF GREATER CHICAGO

Designed by: TCT	Checked by: PML	Scale: AS SHOWN
Drawn by: KSS	Reviewed by: JAW	Date: 2022
Correct:		

CONTRACT 11-187-3F
ADDISON CREEK CHANNEL IMPROVEMENTS
RESTORATION PLAN - REACH 6
STA. 130+97 TO STA. 125+00

Sheet Number:
CR-119
Page Number: 325

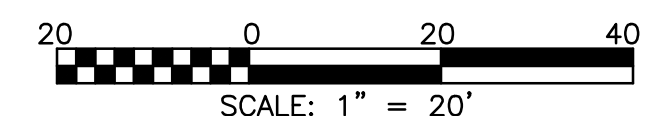


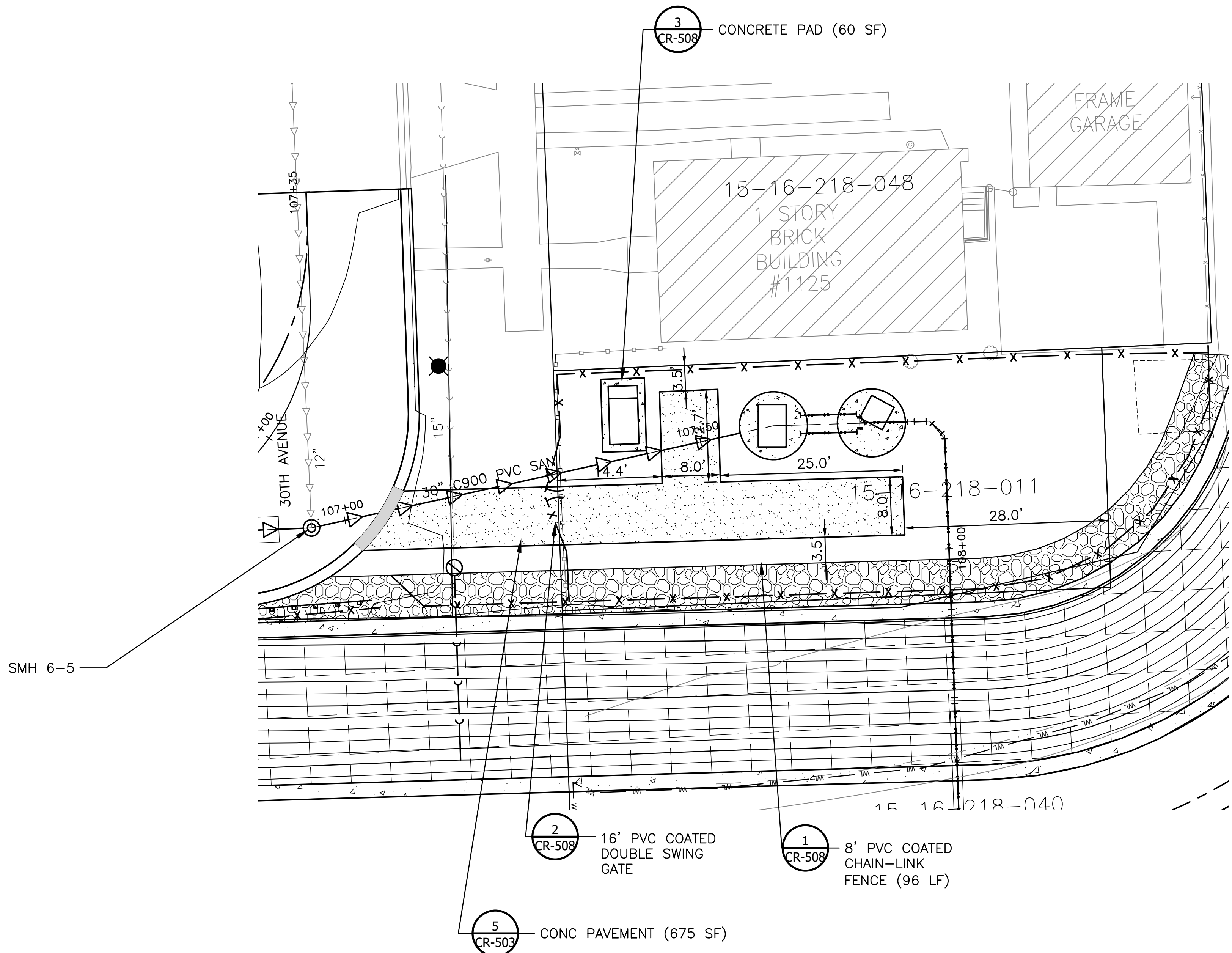
SIGN LEGEND

- (A) DO NOT ENTER: R5-1, 30"x30" (2 EA.)
- (B) ONE WAY (Left Arrow): R6-2L, 18"x24" (1 EA.)
- (C) ONE WAY (Right Arrow): R6-2R, 18"x24" (1 EA.)
- (D) TWO WAY (Double Arrow): W1-7, 36"x18" (1 EA.)

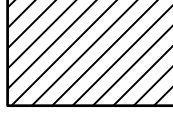
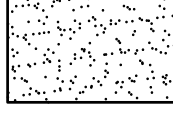

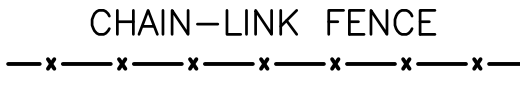
SIGN ON PORTABLE OR PERMANENT SUPPORT (4 EA.)
TYPE III BARRICADE (1 EA.)

- B6.12 CURB & GUTTER (163 LF)
- B6.12 CURB & GUTTER (704 LF)
- DETECTABLE TILES (12 SF)
- DEPRESSED CURB & GUTTER (28 LF)
- PCC ALLEY PAVEMENT (164 SF)



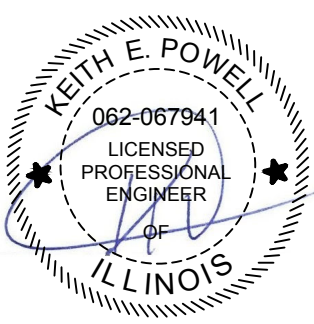
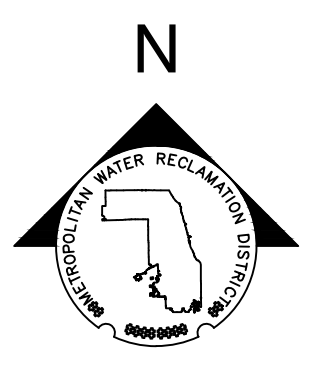
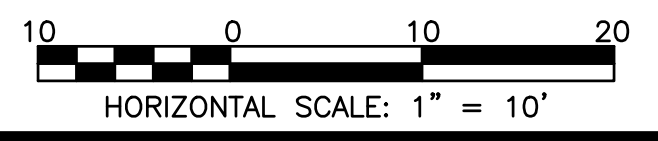


LEGEND

-  HMA PAVEMENT
-  CONCRETE PAVEMENT
-  CONCRETE PAD
-  CHAIN-LINK FENCE

NOTES:

1. ALL DIMENSIONS, ELEVATIONS AND LOCATIONS OF PROPOSED STRUCTURES ARE FOR LAYOUT PURPOSES ONLY. ACTUAL DIMENSIONS, ELEVATIONS AND LOCATIONS ARE SUBJECT TO FIELD MODIFICATIONS DEPENDENT UPON CONSTRUCTION SEQUENCING AND FIELD DETERMINATIONS.
2. CONTRACTOR TO CONFIRM LOCATIONS OF UTILITIES, STRUCTURES ETC. PRIOR TO COMMENCING CONSTRUCTION. ANY AND ALL DIFFICULTIES AND CONFLICTS TO BE BROUGHT TO FIELD ENGINEER'S ATTENTION IMMEDIATELY.
3. THE DISTURBED AREA SHALL BE RESTORED TO LIKE OR BETTER THAN ORIGINAL CONDITIONS.
4. CURB PROTECTION SHALL BE PROVIDED AS REQUIRED. CURB PROTECTION WILL BE INCIDENTAL FOR THE LIFT STATION.
5. ALL NUTS, BOLTS, SPRINGS, WASHERS AND RESTRAINED JOINTS SHALL BE STAINLESS STEEL.
6. REFER TO THE ELECTRICAL SHEETS FOR DETAILS.
7. ALL PIPING, VALVES, FITTINGS AND APPURTENANCES SHALL BE COATED IN ACCORDANCE WITH THE SPECIFICATIONS.
8. CONTRACTOR SHALL PROVIDE A MOBILIZATION PLAN (SHOWING THE LOCATION OF CONSTRUCTION EQUIPMENT, MATERIALS, FACILITIES, TRAILERS, ETC.). THIS WORK SHALL BE CONSIDERED INCIDENTAL FOR THE LIFT STATION.
9. CONTRACTOR TO RESTORE AREAS DAMAGED OR IMPACTED BY CONSTRUCTION ACCESS, AND STAGING IN-KIND IN ACCORDANCE WITH THE ENGINEER.
10. SEE LANDSCAPE SHEETS FOR LANDSCAPING.



Rev.	Description	Appr.	Date

**METROPOLITAN WATER RECLAMATION DISTRICT
OF GREATER CHICAGO**

Engineering Enterprises, Inc.
 Consulting Engineers
 92 Wheeler Road
 Sugar Grove, Illinois 60554
 630.466.6700
 www.eeiweb.com

DESIGNED BY: K.E.P.
 CHECKED BY: C.B.
 DRAWN BY: J.P.S.
 CORRECT:

SCALE: AS SHOWN
 DATE: 2022

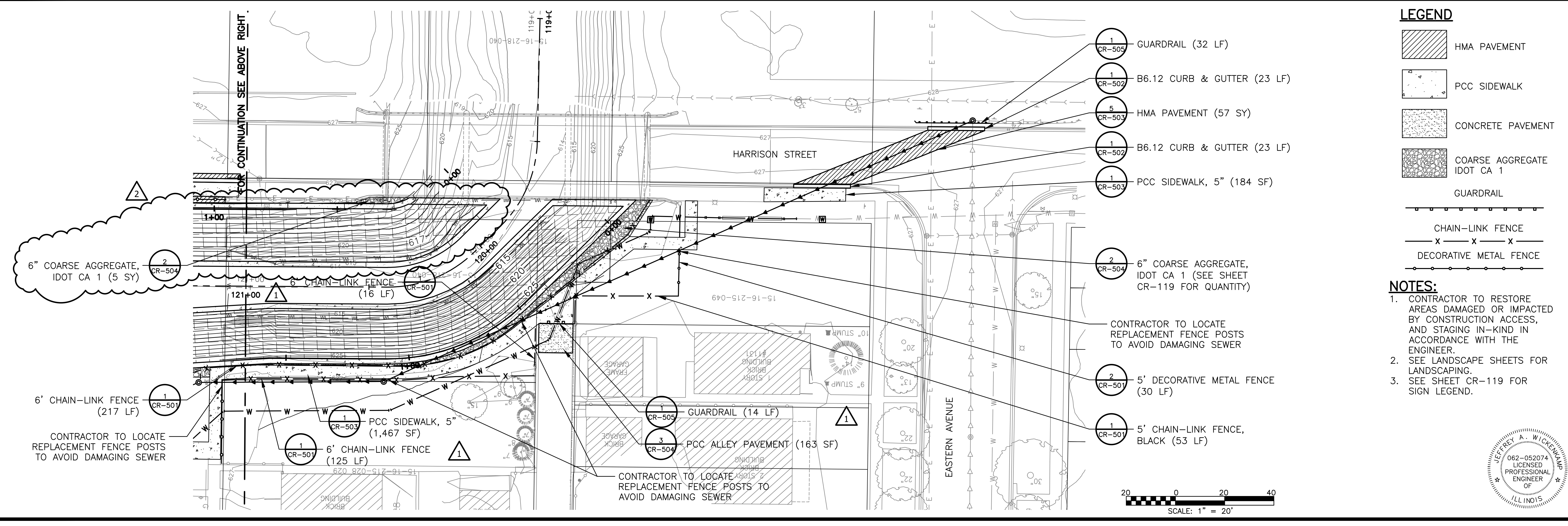
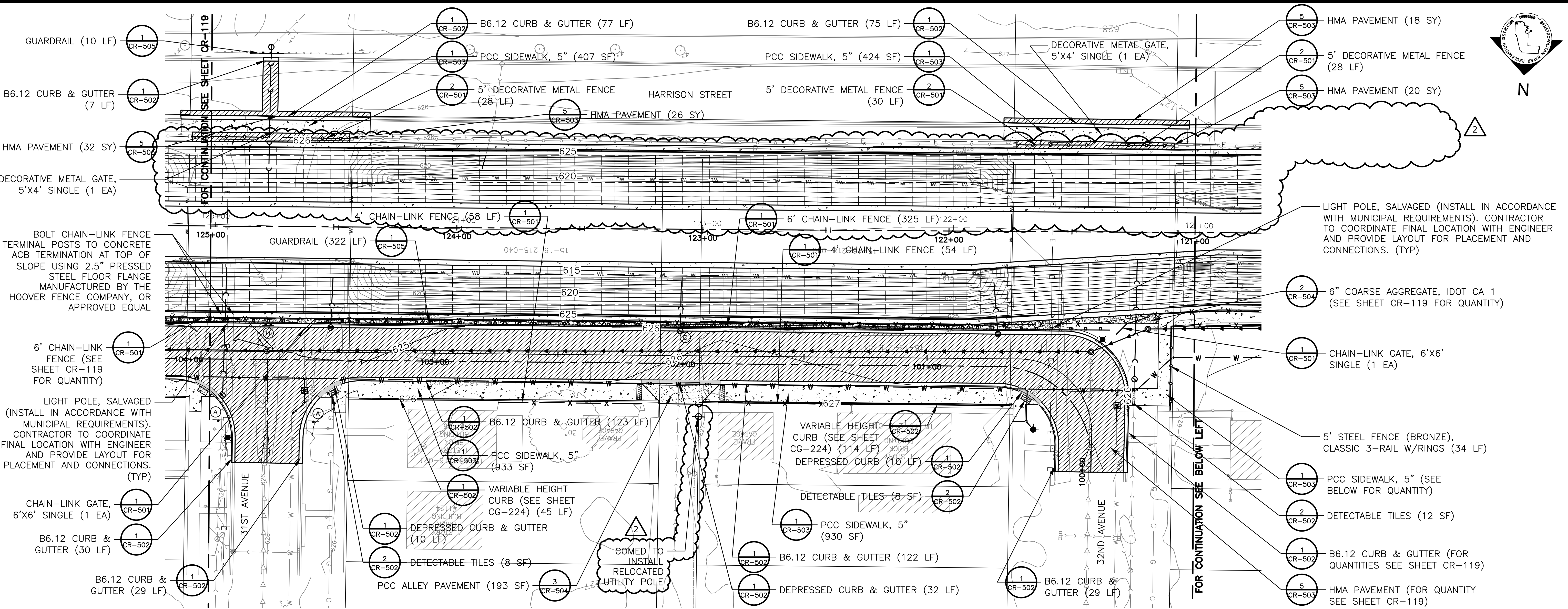
CONTRACT 11-187-3F
 ADDISON CREEK CHANNEL IMPROVEMENTS

**RESTORATION PLAN - REACH 6
LIFT STATION SITE**

Sheet Number:
CR-119A

Page Number: 326

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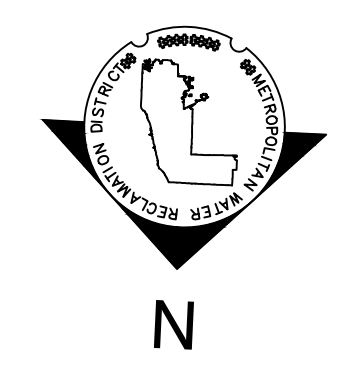
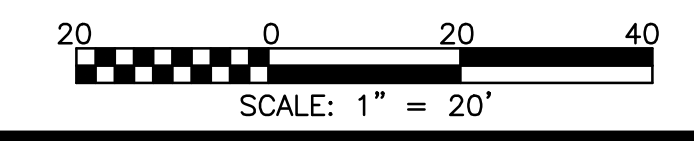


LEGEND

- HMA PAVEMENT
- PCC SIDEWALK
- CONCRETE PAVEMENT
- COARSE AGGREGATE IDOT CA 1
- GUARDRAIL
- CHAIN-LINK FENCE
- DECORATIVE METAL FENCE

NOTES:

- CONTRACTOR TO RESTORE AREAS DAMAGED OR IMPACTED BY CONSTRUCTION ACCESS, AND STAGING IN-KIND IN ACCORDANCE WITH THE ENGINEER.
- SEE LANDSCAPE SHEETS FOR LANDSCAPING.
- SEE SHEET CR-119 FOR SIGN LEGEND.



Rev.	Description	Appr.	Date
1	ADDENDUM NO. 2	JAW	01/06/23
2	ADDENDUM NO. 7	JAW	05/01/23

METROPOLITAN WATER RECLAMATION DISTRICT OF GREATER CHICAGO

Scale: AS SHOWN

Designed by: TCT
 Checked by: PML
 Drawn by: KSS
 Reviewed by: JAW
 Correct:

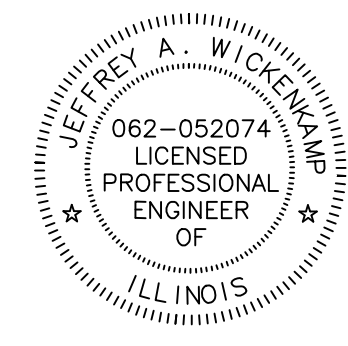
Hey and Associates, Inc.
 Engineering, Ecology and Landscape Architecture
 8755 WEST HIGGINS ROAD, SUITE 835
 CHICAGO, ILLINOIS 60631
 OFFICE (773) 699-9200
 CHICAGO@HEYASOC.COM
 PROFESSIONAL DESIGN FIRMS LICENSE NO. 18404249

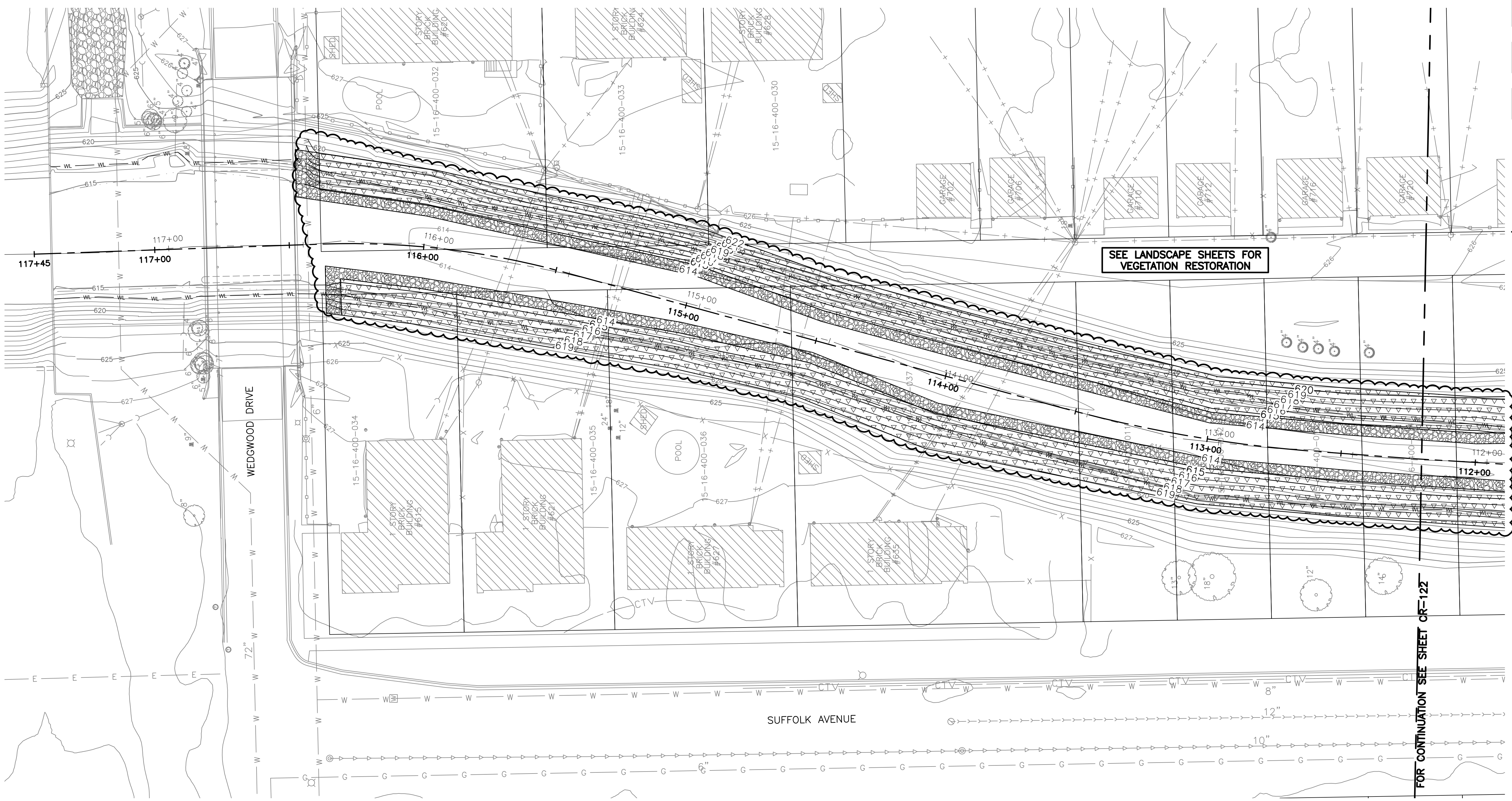
CONTRACT 11-187-3F
 ADDISON CREEK CHANNEL IMPROVEMENTS

RESTORATION PLAN - REACH 6
 STA. 125+00 TO STA. 119+00

Sheet Number:
CR-120

Page Number: 327





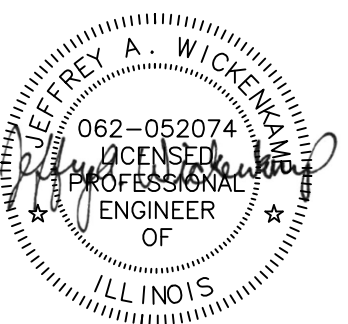
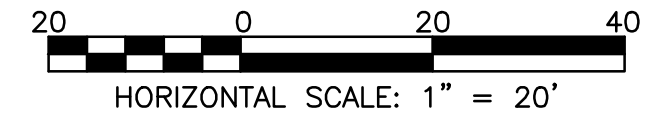
LEGEND

- HMA ROADWAY
- PCC SIDEWALK
- CONCRETE PAVERS
- GUARDRAIL
- CHAIN-LINK FENCE

NOTE:
 CONTRACTOR TO RESTORE AREAS DAMAGED OR IMPACTED BY CONSTRUCTION ACCESS, AND STAGING IN-KIND IN ACCORDANCE WITH THE ENGINEER.

SEE LANDSCAPE SHEETS FOR VEGETATION RESTORATION

FOR CONTINUATION SEE SHEET CR-122



**METROPOLITAN WATER RECLAMATION DISTRICT
 OF GREATER CHICAGO**

CONTRACT 11-187-3F
 ADDISON CREEK CHANNEL IMPROVEMENTS

RESTORATION PLAN - REACH 7
 STA. 117+45 TO STA. 112+20

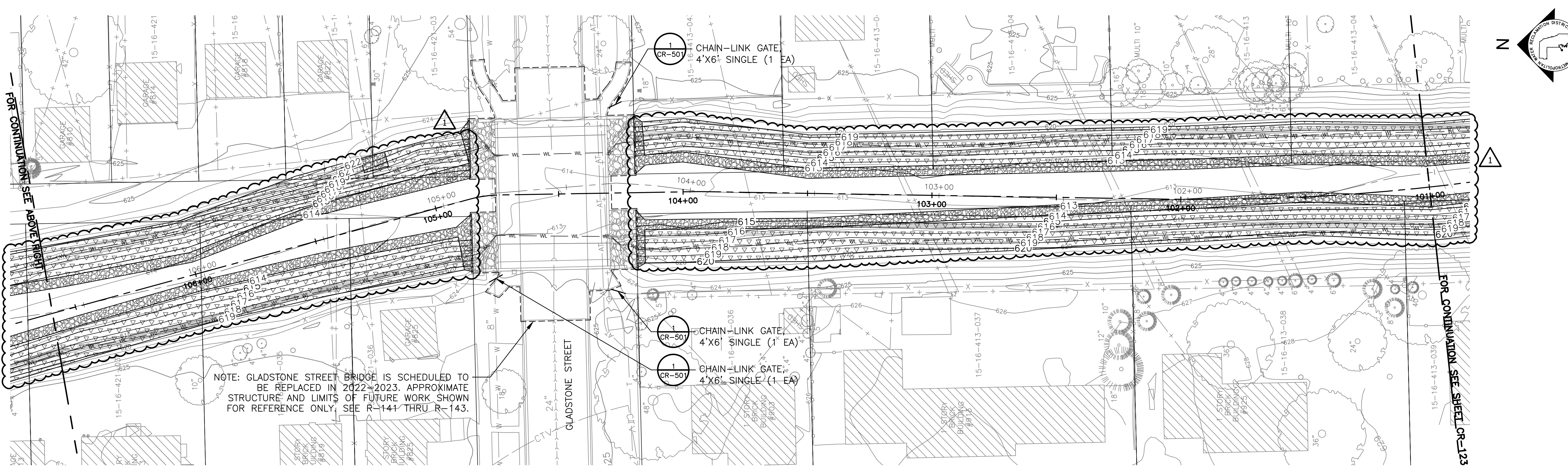
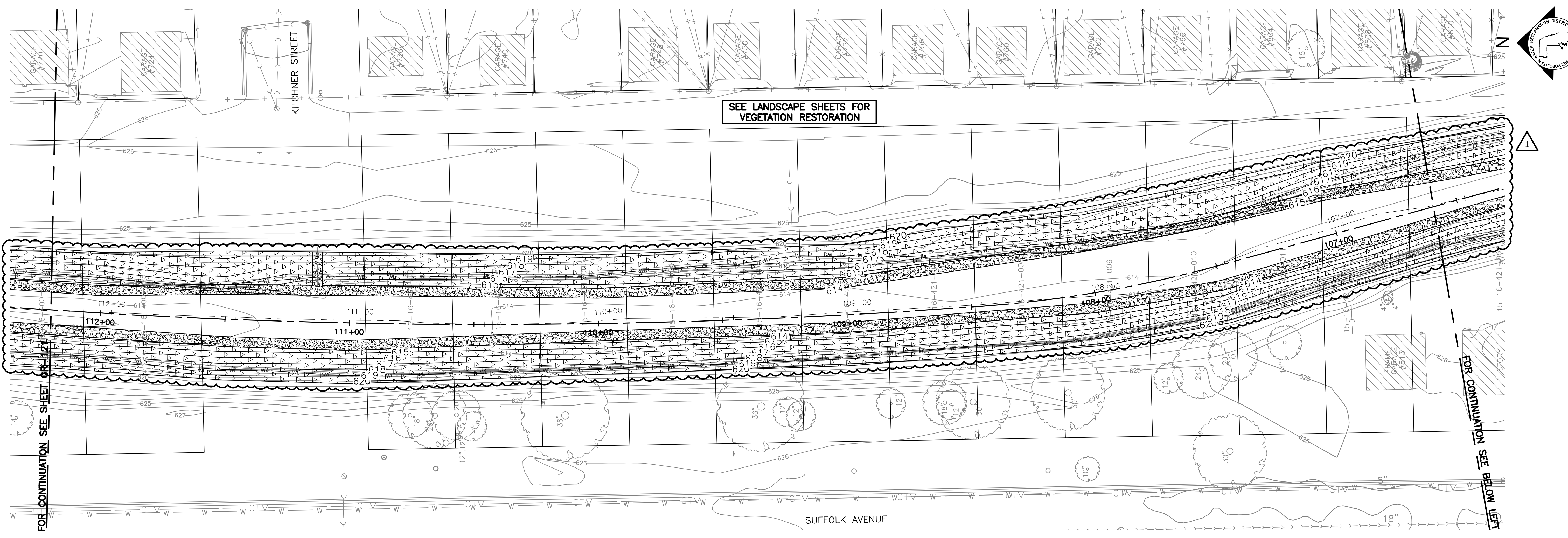
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Designed by:	TRP	Checked by:	PML	Scale:	AS SHOWN
Drawn by:	KSS	Reviewed by:	JAW	Date:	2022
Correct:					

Hey and Associates, Inc.
 Engineering, Ecology and Landscape Architecture
 CHICAGO, ILLINOIS 60631
 OFFICE (773) 699-9200
 CHICAGO@HEYANDASSOCIATES.COM

PROFESSIONAL DESIGN FIRM
 LICENSE NO. 184006289

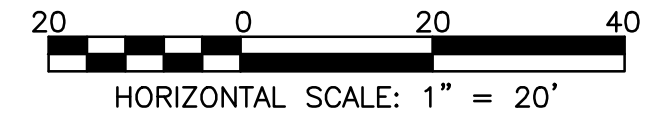
Rev.	Description	Appr.	Date
1	ADDENDUM NO. 4	JAW	01/25/23



LEGEND

	HMA ROADWAY		CONCRETE PAVERS		GUARDRAIL
	PCC SIDEWALK		CHAIN-LINK FENCE		

- NOTES:**
- CONTRACTOR TO RESTORE AREAS DAMAGED OR IMPACTED BY CONSTRUCTION ACCESS, AND STAGING IN-KIND IN ACCORDANCE WITH THE ENGINEER.
 - SEE LANDSCAPE SHEETS FOR LANDSCAPING.



Rev.	Description	Appr.	Date
1	ADDENDUM NO. 4	JAW	01/25/23

METROPOLITAN WATER RECLAMATION DISTRICT OF GREATER CHICAGO

Designed by: TRP
 Checked by: PML
 Drawn by: KSS
 Correct:

Scale: AS SHOWN
 Date: 2022

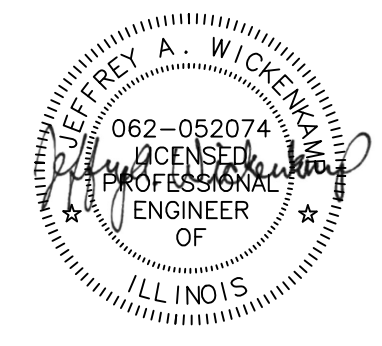
Hey and Associates, Inc.
 Engineering, Ecology and Landscape Architecture
 8755 WEST HERGAS ROAD, SUITE 835
 CHICAGO, ILLINOIS 60631
 OFFICE (773) 699-9200
 CHICAGO@HEYASOC.COM
 PROFESSIONAL DESIGN FIRM
 LICENSE NO. 18400287

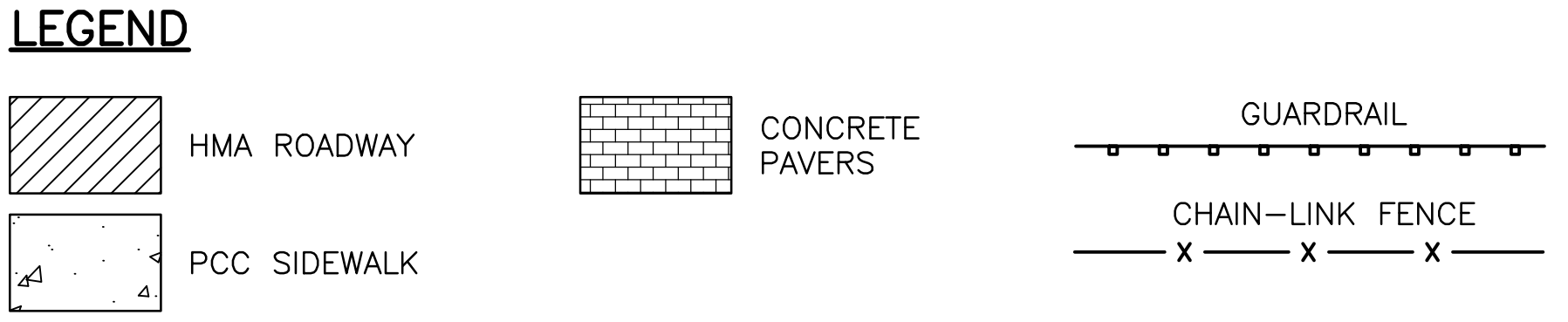
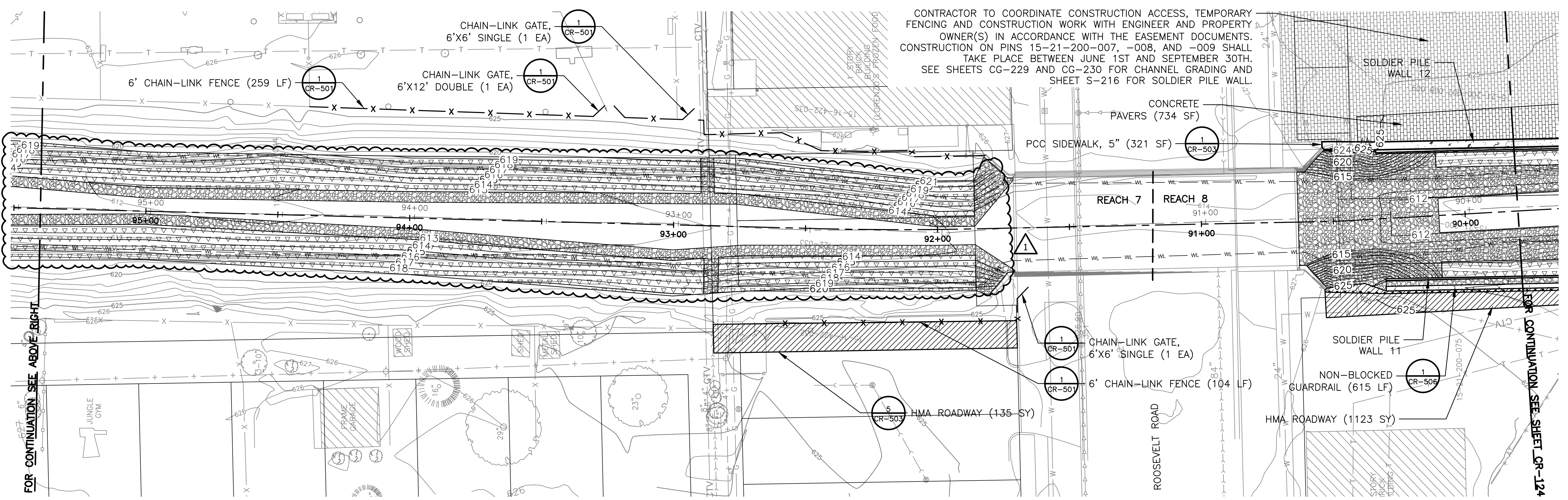
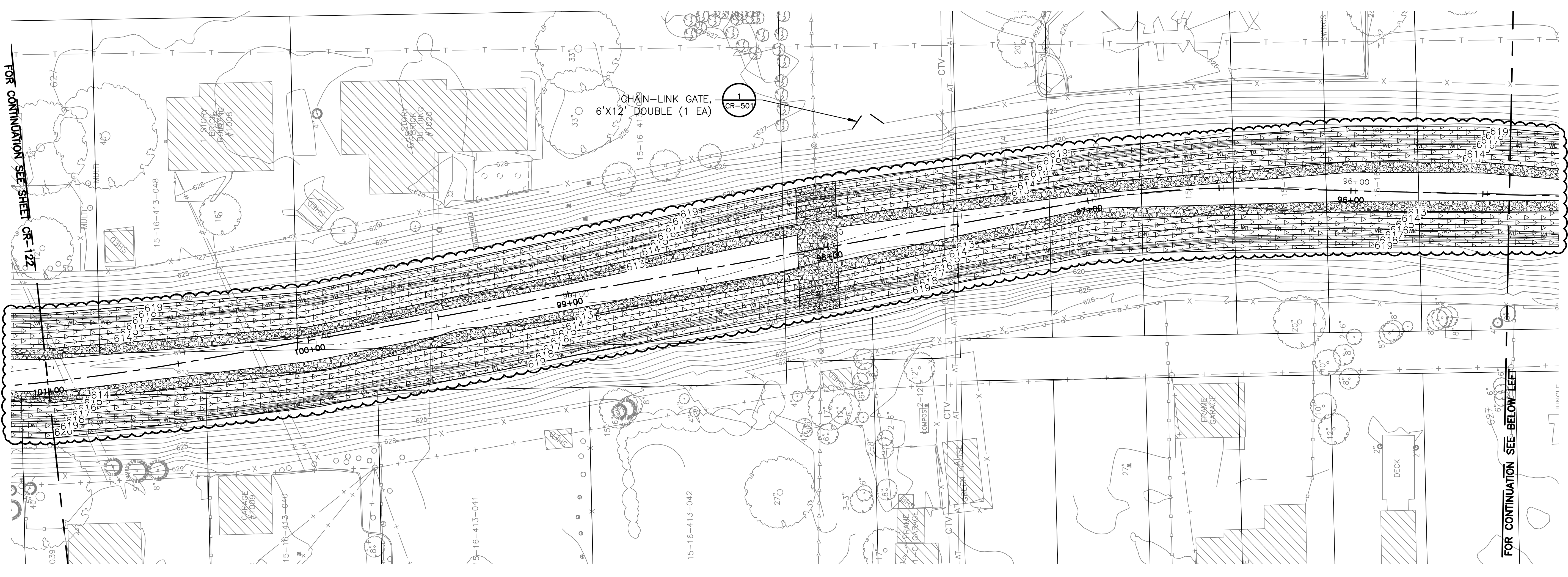
CONTRACT 11-187-3F
 ADDISON CREEK CHANNEL IMPROVEMENTS

RESTORATION PLAN - REACH 7
 STA. 112+20 TO STA. 101+00

Sheet Number:
CR-122

Page Number: 329

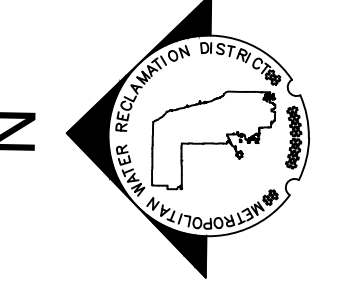
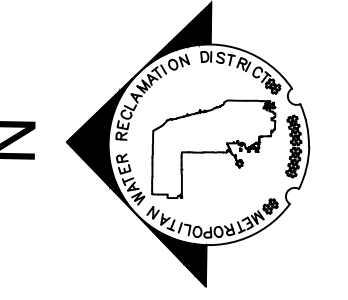
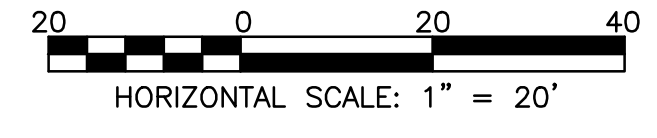




NOTES:

- CONTRACTOR TO RESTORE AREAS DAMAGED OR IMPACTED BY CONSTRUCTION ACCESS, AND STAGING IN-KIND IN ACCORDANCE WITH THE ENGINEER.
- SEE LANDSCAPE SHEETS FOR LANDSCAPING.

CONTRACTOR TO COORDINATE CONSTRUCTION ACCESS, TEMPORARY FENCING AND CONSTRUCTION WORK WITH ENGINEER AND PROPERTY OWNER(S) IN ACCORDANCE WITH THE EASEMENT DOCUMENTS. CONSTRUCTION ON PINS 15-21-200-007, -008, AND -009 SHALL TAKE PLACE BETWEEN JUNE 1ST AND SEPTEMBER 30TH. SEE SHEETS CG-229 AND CG-230 FOR CHANNEL GRADING AND SHEET S-216 FOR SOLDIER PILE WALL.



Rev.	Description	Appr.	Date
1	ADDENDUM NO. 4	JAW	01/25/23

METROPOLITAN WATER RECLAMATION DISTRICT OF GREATER CHICAGO

Hey and Associates, Inc.
 Engineering, Ecology and Landscape Architecture
 8755 WEST HERGAS ROAD, SUITE 835
 CHICAGO, ILLINOIS 60631
 OFFICE (773) 699-9200
 CHICAGO@HEYASAC.COM

Professional Design Firm
 LICENSE NO. 184002829

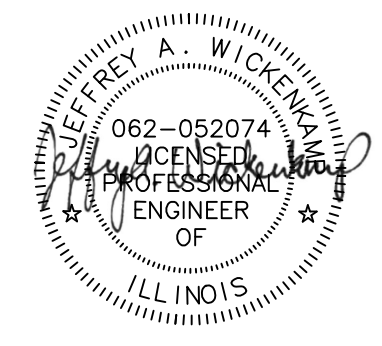
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Correct:					

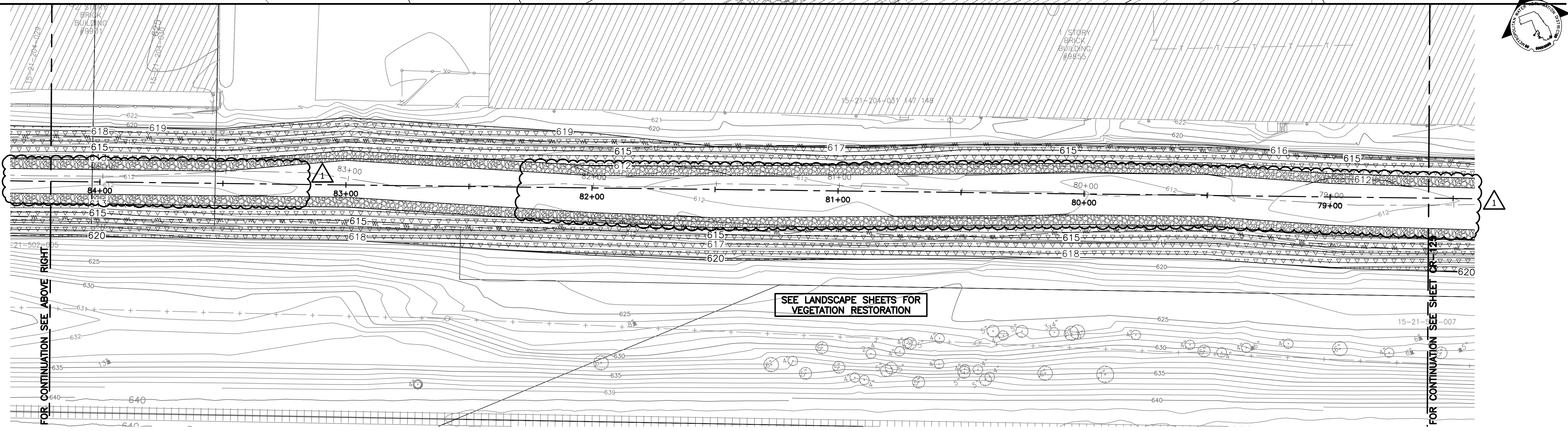
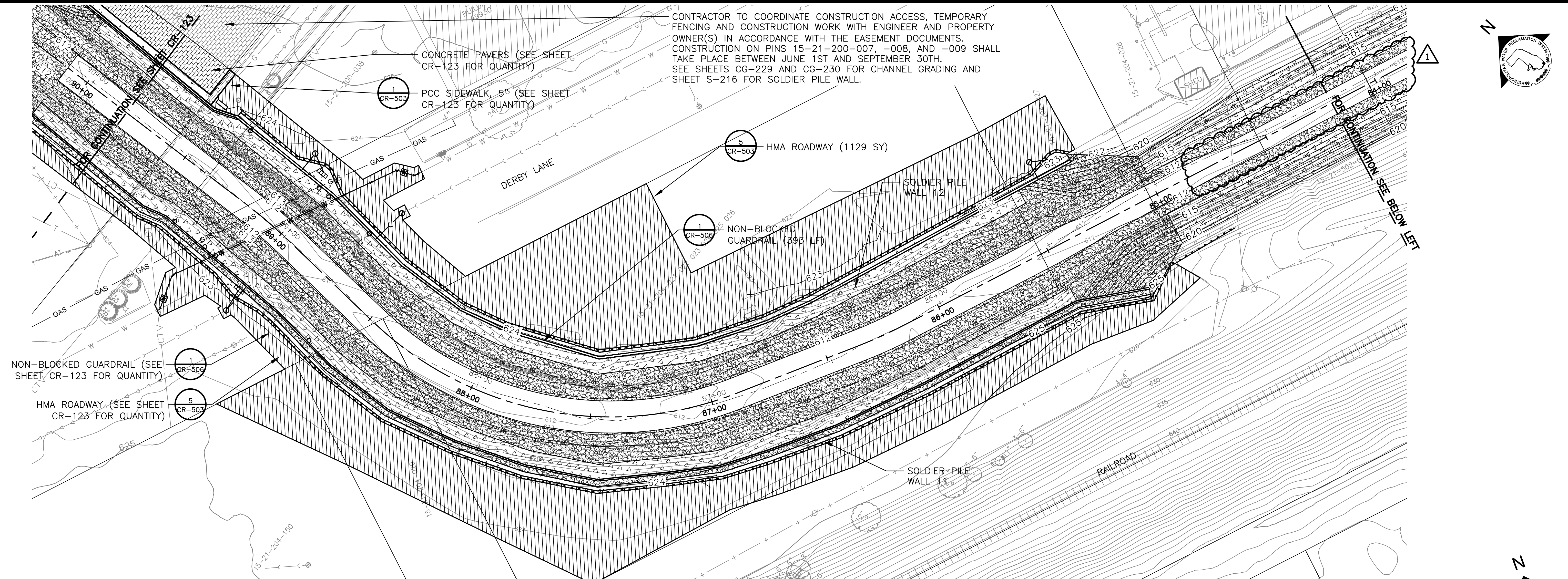
CONTRACT 11-187-3F
 ADDISON CREEK CHANNEL IMPROVEMENTS

RESTORATION PLAN - REACH 7 & 8
 STA. 101+00 TO STA. 89+80

Sheet Number:
CR-123

Page Number: 330

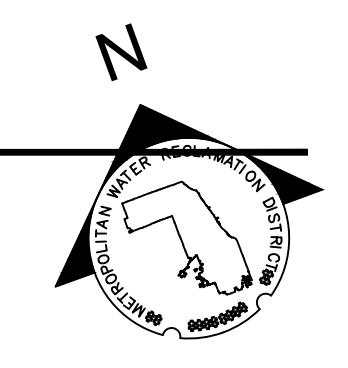




LEGEND

	HMA ROADWAY		CONCRETE PAVERS		GUARDRAIL
	PCC SIDEWALK		CHAIN-LINK FENCE		

- NOTES:**
- CONTRACTOR TO RESTORE AREAS DAMAGED OR IMPACTED BY CONSTRUCTION ACCESS, AND STAGING IN-KIND IN ACCORDANCE WITH THE ENGINEER.
 - SEE LANDSCAPE SHEETS FOR LANDSCAPING.



Rev.	Description	Appr.	Date
1	ADDENDUM NO. 4	JAW	01/25/23

METROPOLITAN WATER RECLAMATION DISTRICT OF GREATER CHICAGO

Hey and Associates, Inc.
Engineering, Ecology and Landscape Architecture
8755 WEST HIGGINS ROAD, SUITE 835
CHICAGO, ILLINOIS 60631
OFFICE (773) 695-5200
Chicago@HEYASAC.COM
PROFESSIONAL DESIGN FIRM LICENSE NO. 16460289

Designed by:	TRP	Checked by:	PML	Scale:	AS SHOWN
Drawn by:	KSS	Reviewed by:	JAW	Date:	2022
Correct:					

CONTRACT 11-187-3F
ADDISON CREEK CHANNEL IMPROVEMENTS

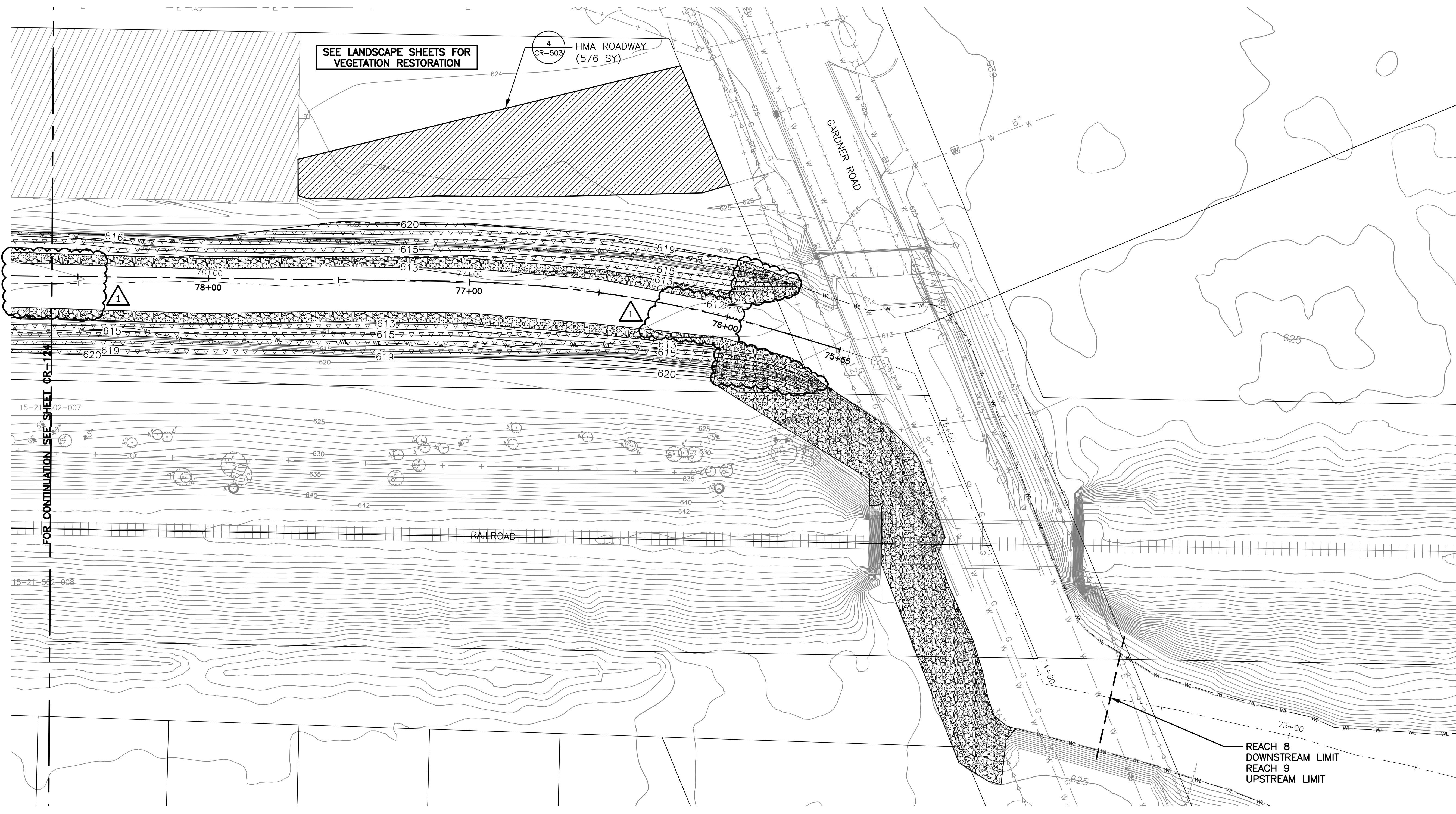
RESTORATION PLAN - REACH 8
STA. 89+80 TO STA. 78+60

Sheet Number:
CR-124

Page Number: **331**

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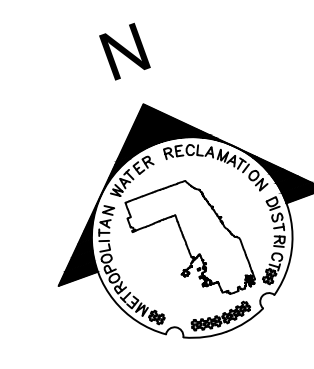


SEE LANDSCAPE SHEETS FOR VEGETATION RESTORATION

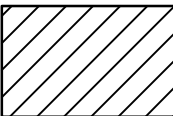
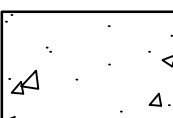
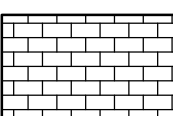


4 CR-503 HMA ROADWAY (576 SY)

FOR CONTINUATION SEE SHEET CR-124

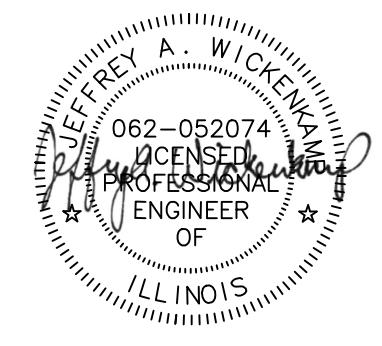
REACH 8
DOWNSTREAM LIMIT
REACH 9
UPSTREAM LIMIT



LEGEND

-  HMA ROADWAY
-  PCC SIDEWALK
-  CONCRETE PAVERS
-  GUARDRAIL
-  CHAIN-LINK FENCE

NOTE:
CONTRACTOR TO RESTORE AREAS DAMAGED OR IMPACTED BY CONSTRUCTION ACCESS, AND STAGING IN-KIND IN ACCORDANCE WITH THE ENGINEER.



Rev.	Description	Appr.	Date
1	ADDENDUM NO. 4	JAW	01/25/23

METROPOLITAN WATER RECLAMATION DISTRICT OF GREATER CHICAGO

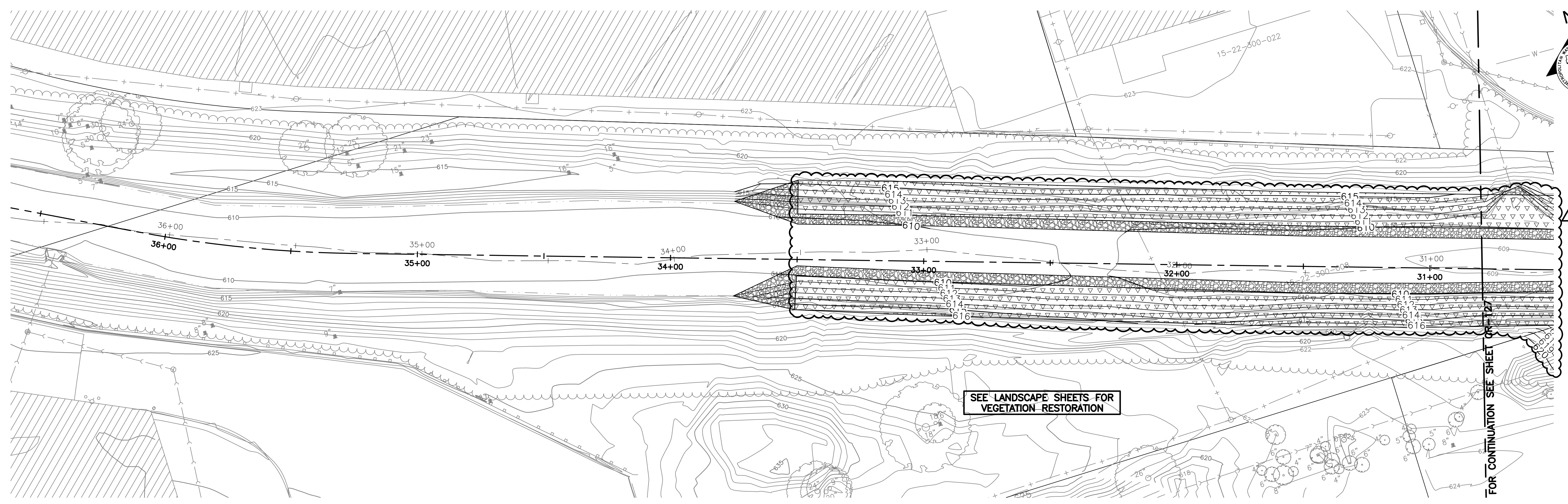
Designed by: TRP	Checked by: PML	Scale: AS SHOWN
Drawn by: KSS	Reviewed by: JAW	Date: 2022
Correct:	Hey and Associates, Inc. Engineering, Ecology and Landscape Architecture 8755 WEST HEGANS ROAD, SUITE 835 CHICAGO, ILLINOIS 60631 OFFICE (773) 695-9200 CHICAGO@HEYANDASSOCIATES.COM LICENSE NO. 184002829	

CONTRACT 11-187-3F
ADDISON CREEK CHANNEL IMPROVEMENTS

RESTORATION PLAN - REACH 8
STA. 78+60 TO STA. 75+55

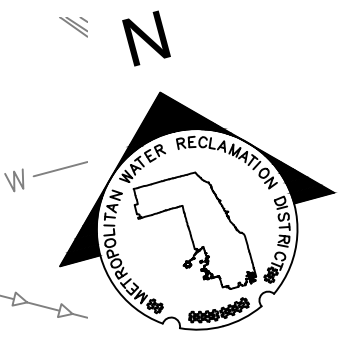
Sheet Number:
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Page Number: 332



SEE LANDSCAPE SHEETS FOR VEGETATION RESTORATION

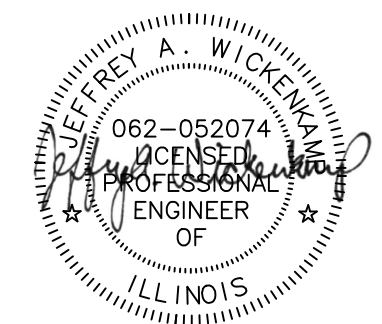
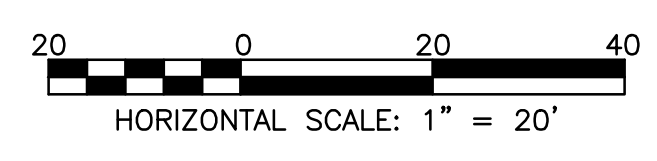
FOR CONTINUATION SEE SHEET CR-127



LEGEND

- HMA ROADWAY
- GUARDRAIL
- PCC SIDEWALK
- CHAIN-LINK FENCE

NOTE:
 CONTRACTOR TO RESTORE AREAS DAMAGED OR IMPACTED BY CONSTRUCTION ACCESS, AND STAGING IN-KIND IN ACCORDANCE WITH THE ENGINEER.



Rev.	Description	Appr.	Date
1	ADDENDUM NO. 4	JAW	01/25/23

METROPOLITAN WATER RECLAMATION DISTRICT OF GREATER CHICAGO

Designed by: TRP	Checked by: PML	Scale: AS SHOWN
Drawn by: KSS	Reviewed by: JAW	Date: 2022
Correct:		

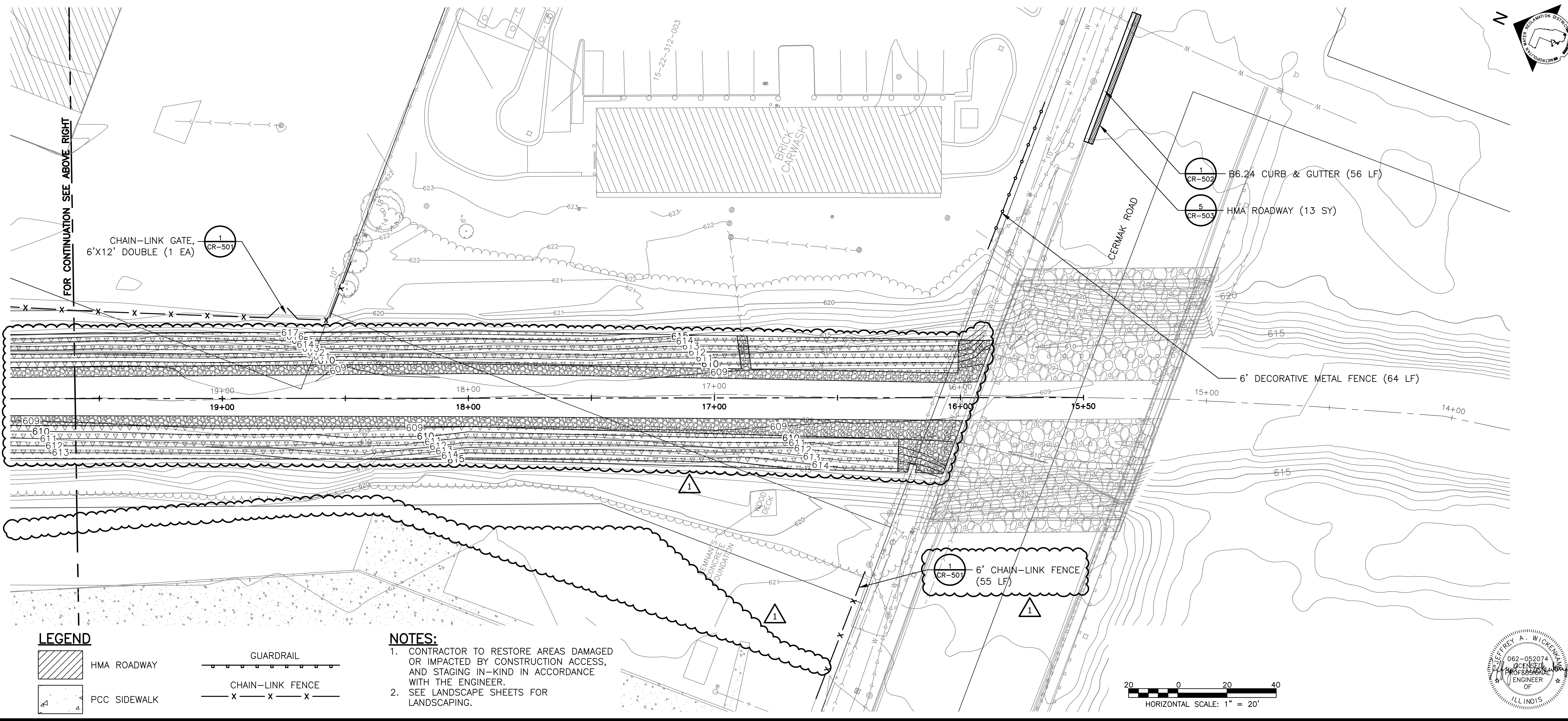
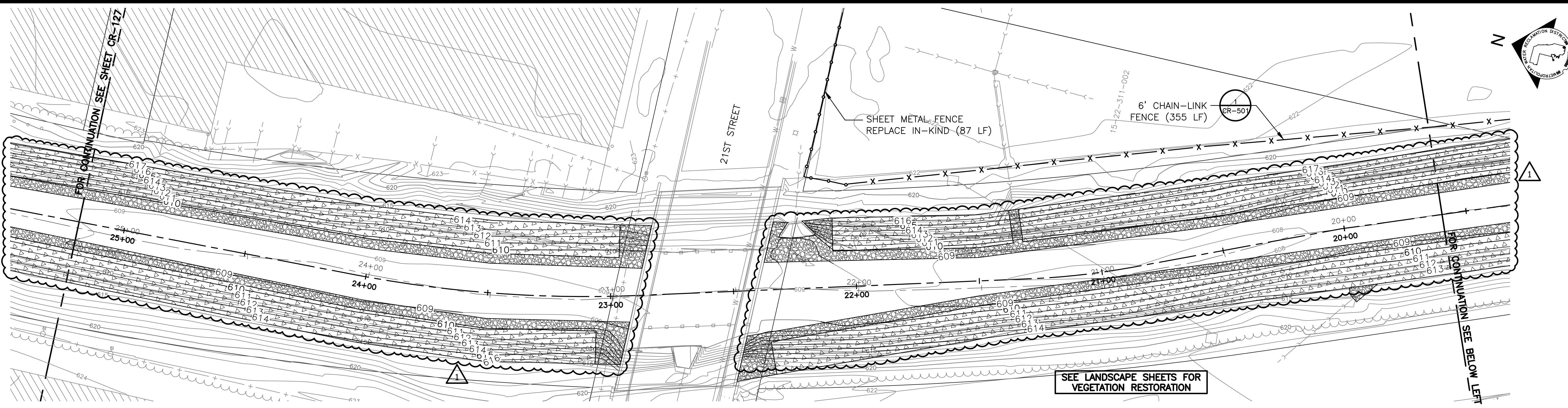
Hey and Associates, Inc.
 Engineering, Ecology and Landscape Architecture
 8755 WEST HEGANS ROAD, SUITE 835
 CHICAGO, ILLINOIS 60631
 OFFICE (773) 695-9200
 CHICAGO@HEYANSC.COM
 PROFESSIONAL DESIGN FIRM
 LICENSE NO. 184002829

CONTRACT 11-187-3F
 ADDISON CREEK CHANNEL IMPROVEMENTS

RESTORATION PLAN - REACH 9
 STA. 36+50 TO STA. 30+80

Sheet Number:
CR-126
 Page Number: 333

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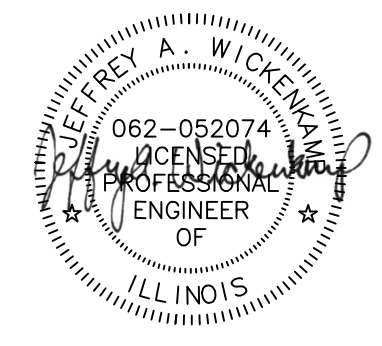


LEGEND

	HMA ROADWAY		GUARDRAIL
	PCC SIDEWALK		CHAIN-LINK FENCE

NOTES:

- CONTRACTOR TO RESTORE AREAS DAMAGED OR IMPACTED BY CONSTRUCTION ACCESS, AND STAGING IN-KIND IN ACCORDANCE WITH THE ENGINEER.
- SEE LANDSCAPE SHEETS FOR LANDSCAPING.



Rev.	Description	Appr.	Date
1	ADDENDUM NO. 4	JAW	01/25/23

METROPOLITAN WATER RECLAMATION DISTRICT OF GREATER CHICAGO

Hey and Associates, Inc.
 Engineering, Ecology and Landscape Architecture
 CHICAGO, ILLINOIS 60631
 OFFICE: (773) 699-9200
 CHICAGO: (773) 699-9200
 CHICAGO: (773) 699-9200
 CHICAGO: (773) 699-9200

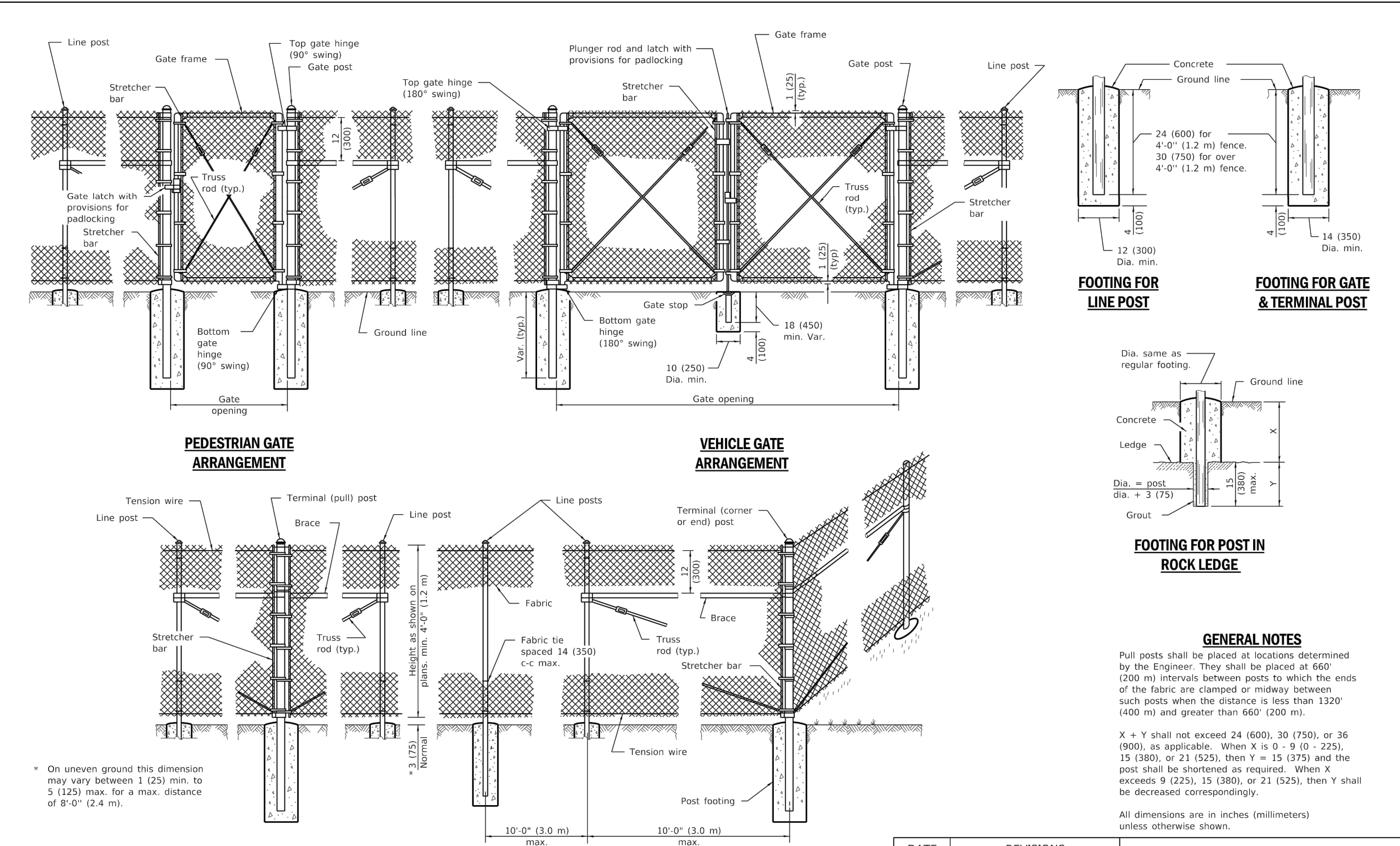
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TRP		PML	
Drawn by:	Date:	Reviewed by:	2022
KSS		JAW	
Correct:			

CONTRACT 11-187-3F
 ADDISON CREEK CHANNEL IMPROVEMENTS

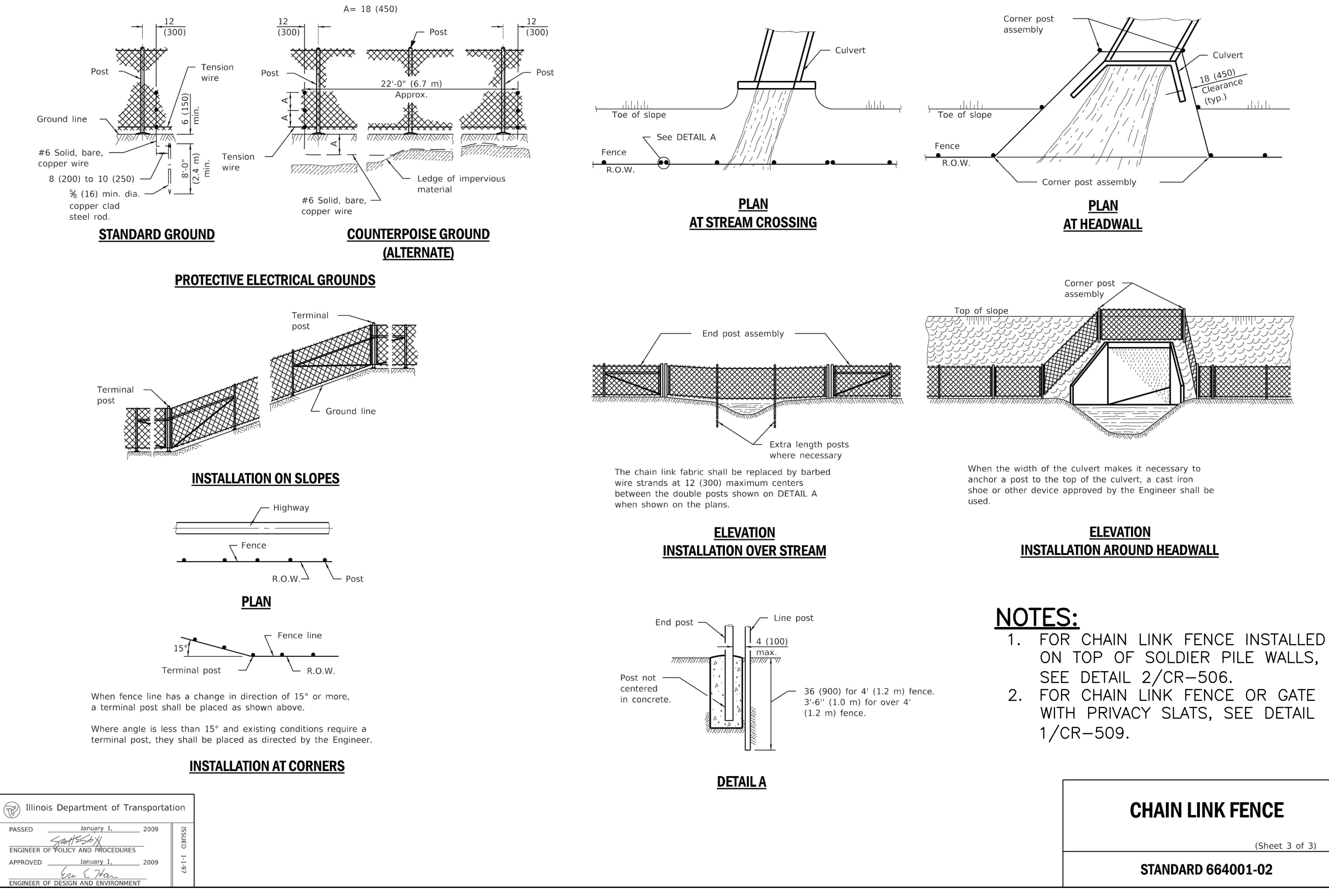
RESTORATION PLAN - REACH 9
 STA. 25+20 TO STA. 15+50

Sheet Number:
CR-128

Page Number: 335



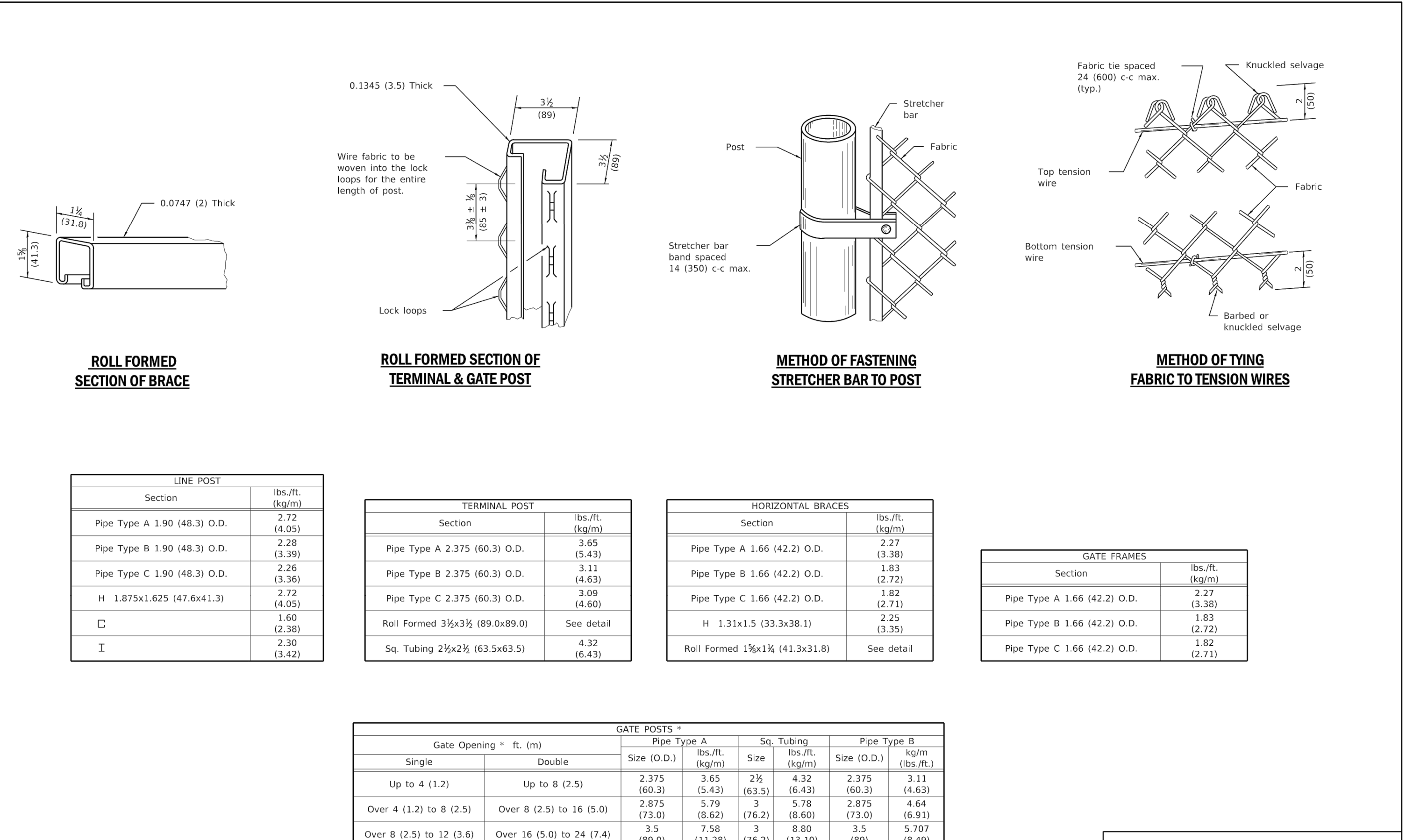
Illinois Department of Transportation
 PASSED January 1, 2009
 ENGINEER OF POLICY AND PROCEDURES
 APPROVED January 1, 2009
 ENGINEER OF DESIGN AND ENVIRONMENT



Illinois Department of Transportation
 PASSED January 1, 2009
 ENGINEER OF POLICY AND PROCEDURES
 APPROVED January 1, 2009
 ENGINEER OF DESIGN AND ENVIRONMENT

DATE	REVISIONS
1-1-09	Switched units to English (metric).
1-1-99	Rev. "plans" to "plans" in LINE POST ARRANGEMENT.

CHAIN LINK FENCE
 STANDARD 664001-02
 (Sheet 1 of 3)



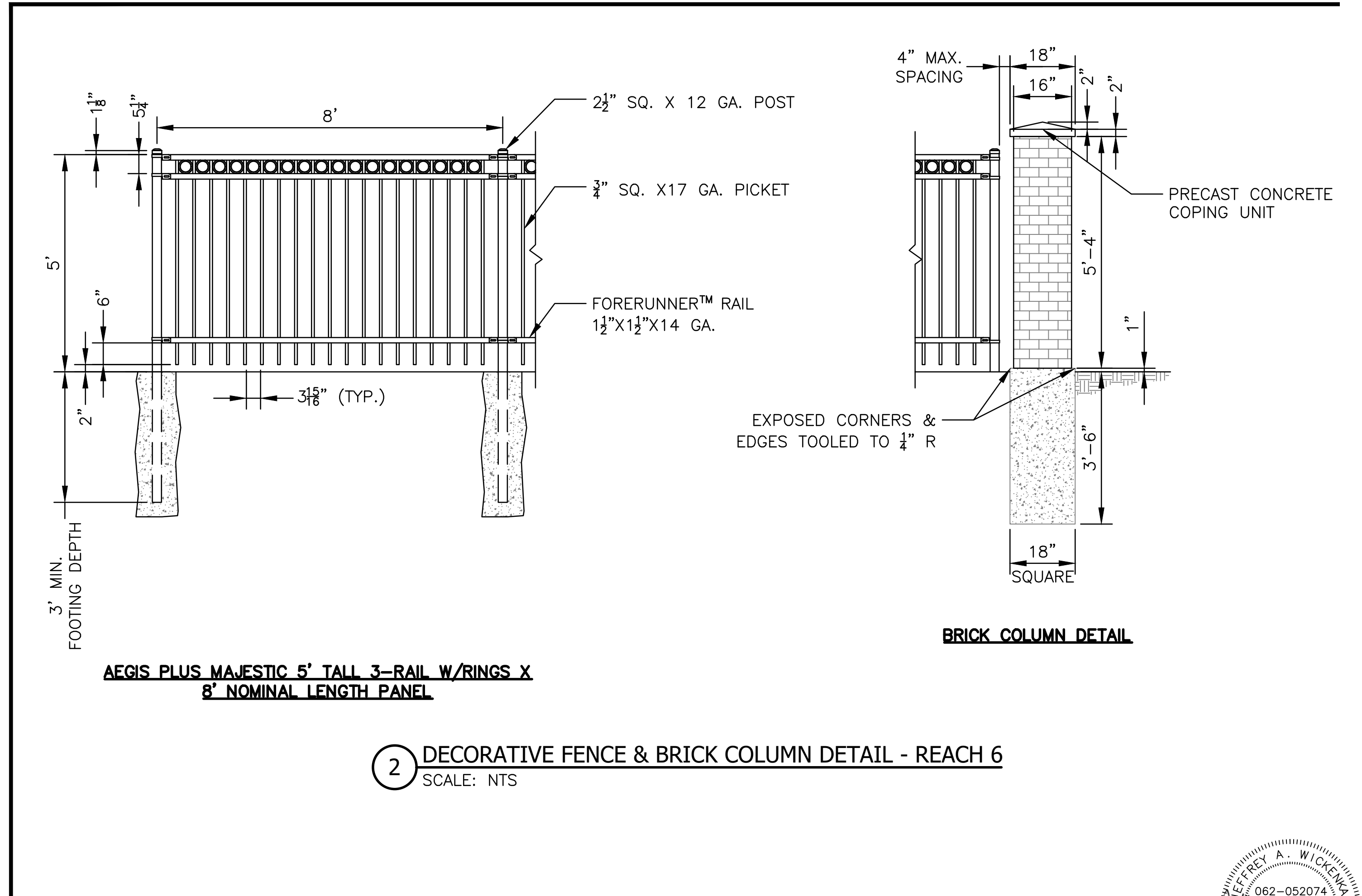
Illinois Department of Transportation
 PASSED January 1, 2009
 ENGINEER OF POLICY AND PROCEDURES
 APPROVED January 1, 2009
 ENGINEER OF DESIGN AND ENVIRONMENT

LINE POST	
Section	lbs./ft. (kg/m)
Pipe Type A 1.90 (48.3) O.D.	2.72 (4.03)
Pipe Type B 1.90 (48.3) O.D.	2.28 (3.39)
Pipe Type C 1.90 (48.3) O.D.	2.26 (3.36)
H 1.875x1.625 (47.6x41.3)	2.72 (4.05)
□	1.60 (2.38)
I	2.30 (3.42)

GATE POSTS *		Pipe Type A		Pipe Type B	
Gate Opening * ft. (m)	Section	lbs./ft. (kg/m)	Size (O.D.)	lbs./ft. (kg/m)	Size (O.D.)
Up to 4 (1.2)	Single	2.375 (60.3)	2 1/2 (63.5)	2.375 (60.3)	3.11 (60.3)
	Double	2.875 (73.0)	3 (76.2)	2.875 (73.0)	4.64 (69.3)
Over 4 (1.2) to 8 (2.5)	Single	3.5 (89.0)	3 (76.2)	3.5 (89.0)	5.707 (84.9)
	Double	4.32 (63.5)	3 (76.2)	4.32 (63.5)	6.931 (84.9)

* The 3 1/2 x 3 1/2 (89.0 x 89.0) roll formed section as detailed may be used as gate posts for single gate up to 6' (1.8 m) and double gate up to 12' (3.6 m).

CHAIN LINK FENCE
 STANDARD 664001-02
 (Sheet 2 of 3)



2 DECORATIVE FENCE & BRICK COLUMN DETAIL - REACH 6
 SCALE: NTS

Illinois Department of Transportation
 PASSED January 1, 2009
 ENGINEER OF POLICY AND PROCEDURES
 APPROVED January 1, 2009
 ENGINEER OF DESIGN AND ENVIRONMENT

CHAIN LINK FENCE
 STANDARD 664001-02
 (Sheet 3 of 3)

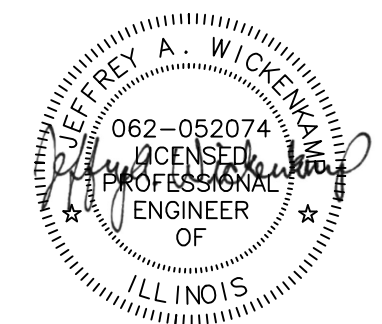
1 CHAIN-LINK FENCE DETAIL
 SCALE: NTS

Rev.	Description	Appr.	Date

Metropolitan Water Reclamation District of Greater Chicago
 Hey and Associates, Inc.
 Engineering, Ecology and Landscape Architecture
 8755 WEST HERGANS ROAD, SUITE 835
 CHICAGO, ILLINOIS 60631
 OFFICE (773) 699-9200
 PROFESSIONAL DESIGN FIRMS
 LICENSE NO. 184002829
 CHICAGO@HEYASAC.COM

Designed by:	Checked by:	Scale:	AS SHOWN
TCT	PML		
Drawn by:	Reviewed by:	Date:	2022
KSS	JAW		
Correct:			

CONTRACT 11-187-3F
 ADDISON CREEK CHANNEL IMPROVEMENTS
RESTORATION DETAILS
 Sheet Number: CR-501
 Page Number: 336



CONCRETE CURB AND GUTTER DETAIL
 SCALE: NTS

REVISIONS

DATE	REVISIONS
1-1-18	Revised General Note for tie bar spacing to 36 (900) cts.
1-1-15	Added B-6.06 (B-15.15) barrier curb and gutter to table (corner islands only).

PERPENDICULAR CURB RAMPS FOR SIDEWALKS
 SCALE: NTS

REVISIONS

DATE	REVISIONS
1-1-19	Removed "15-foot rule", added "Blended transitions" and placement tolerances for detectable warnings.
1-1-18	Omitted diagonal slope at turning spaces and lower landings.

1 CONCRETE CURB AND GUTTER DETAIL
 SCALE: NTS

2 PERPENDICULAR CURB RAMPS
 SCALE: NTS

CONCRETE CURB TYPE B AND COMBINATION CONCRETE CURB AND GUTTER
 (Sheet 1 of 2)

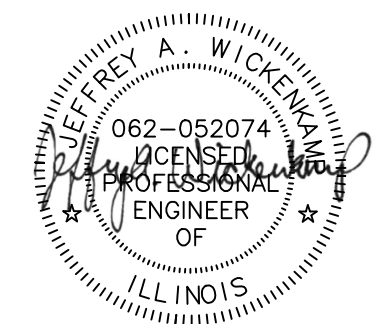
REVISIONS

DATE	REVISIONS
1-1-18	Revised General Note for tie bar spacing to 36 (900) cts.
1-1-15	Added B-6.06 (B-15.15) barrier curb and gutter to table (corner islands only).

PERPENDICULAR CURB RAMPS FOR SIDEWALKS
 (Sheet 2 of 2)

REVISIONS

DATE	REVISIONS
1-1-19	Removed "15-foot rule", added "Blended transitions" and placement tolerances for detectable warnings.
1-1-18	Omitted diagonal slope at turning spaces and lower landings.



Rev.	Description	Appr.	Date

HEY AND ASSOCIATES, INC.
 Engineering, Ecology and Landscape Architecture
 CHICAGO, ILLINOIS 60631
 OFFICE: (773) 699-2000
 CHICAGO@HEYASKE.COM
 PROFESSIONAL DESIGN: FIRM LICENSE NO. 18404287

METROPOLITAN WATER RECLAMATION DISTRICT OF GREATER CHICAGO

Designed by: TCT
 Checked by: PML
 Scale: AS SHOWN

Drawn by: KSS
 Reviewed by: JAW
 Date: 2022

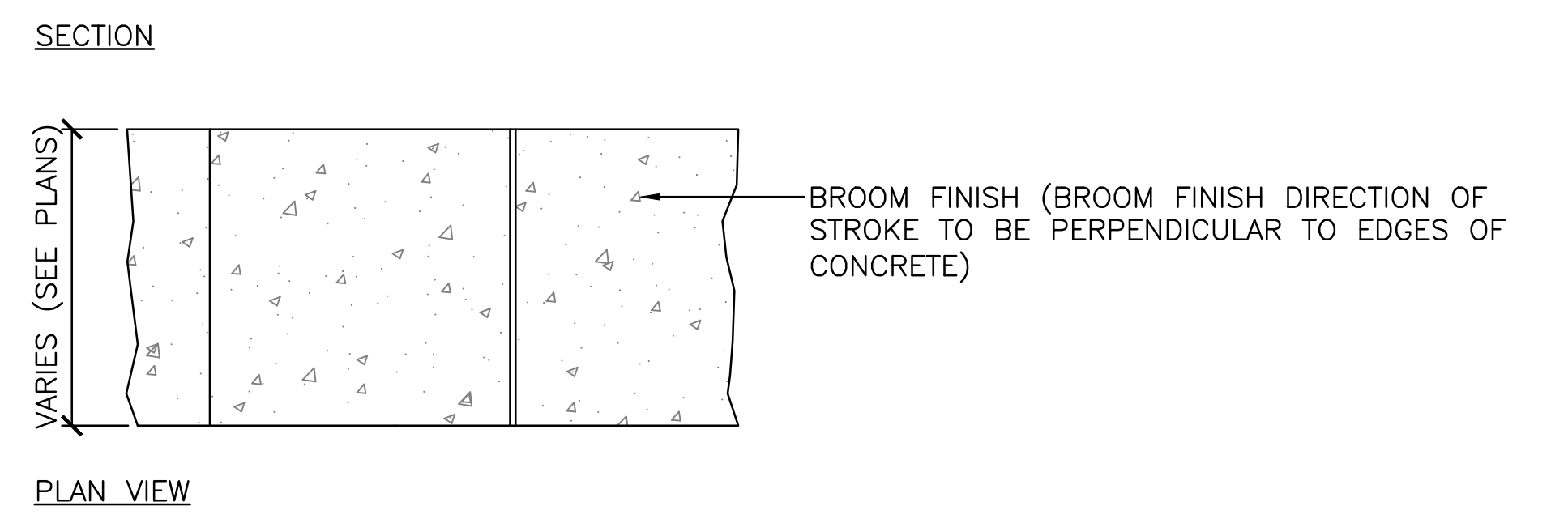
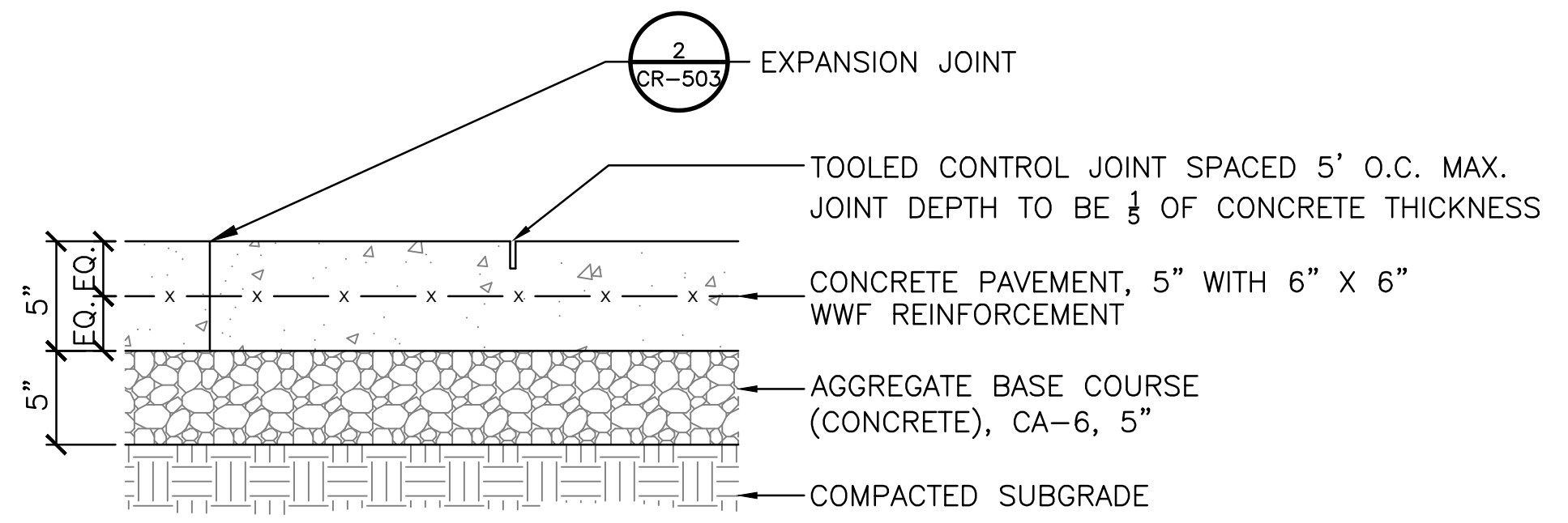
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CONTRACT 11-187-3F
 ADDISON CREEK CHANNEL IMPROVEMENTS

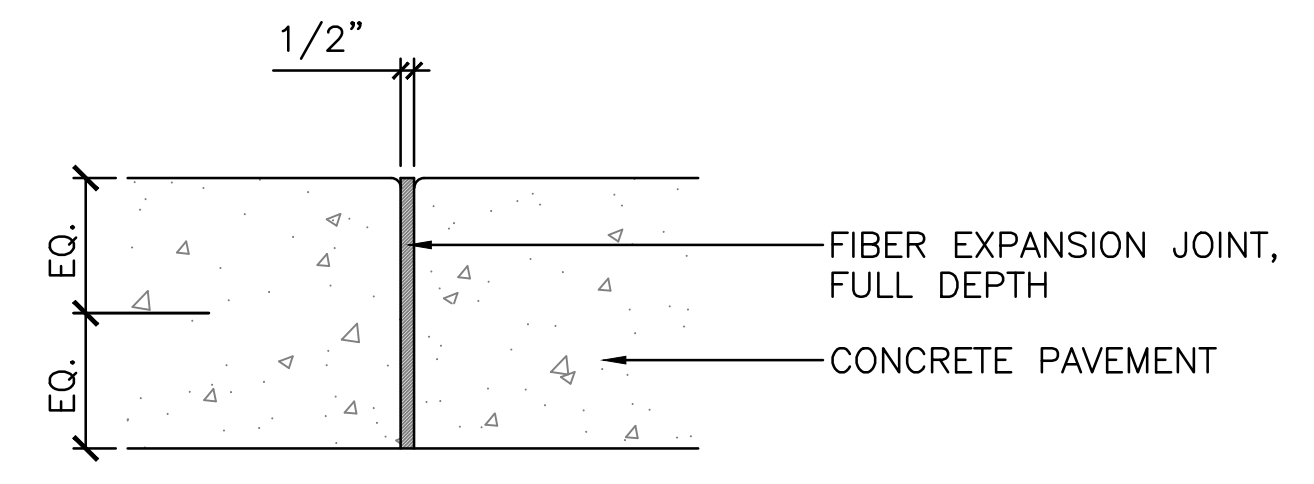
RESTORATION DETAILS

Sheet Number: CR-502
 Page Number: 337

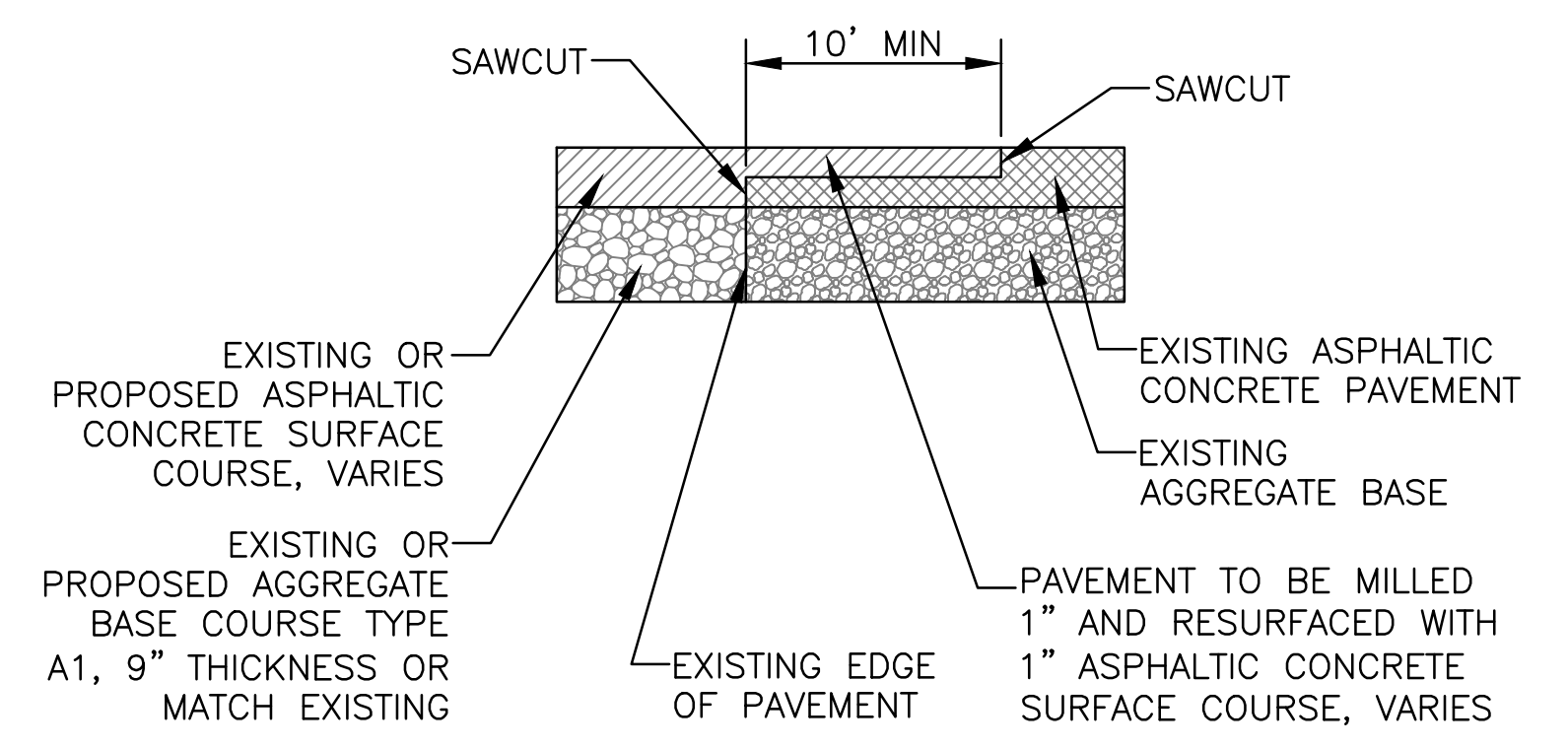
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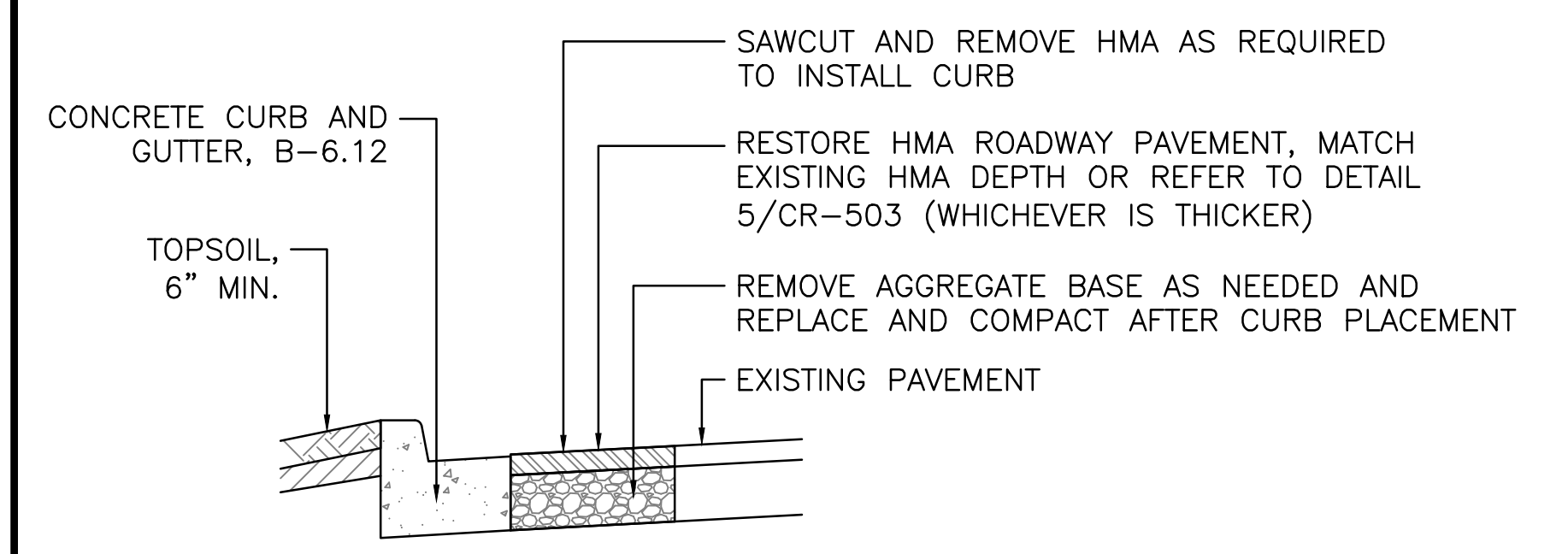
1 CONCRETE SIDEWALK DETAIL
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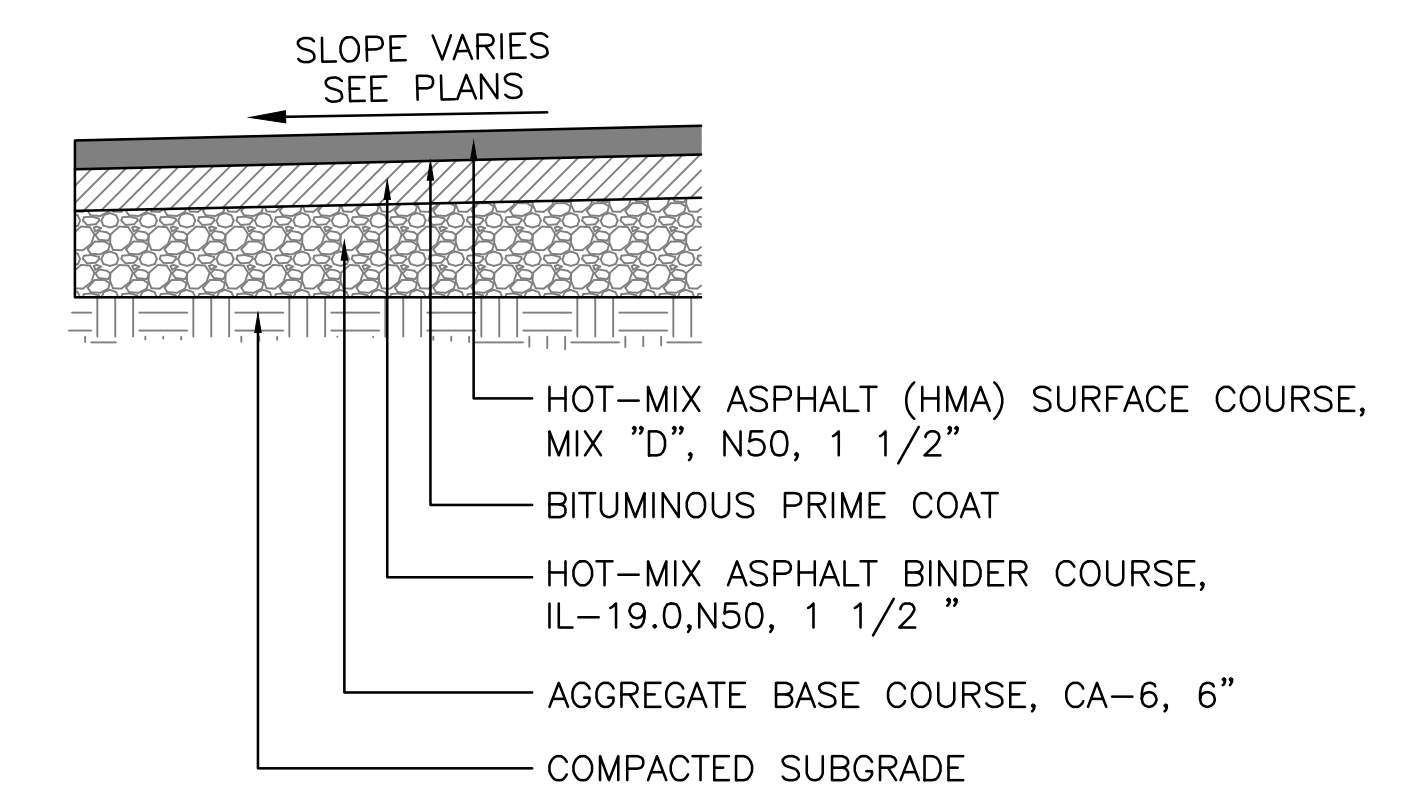
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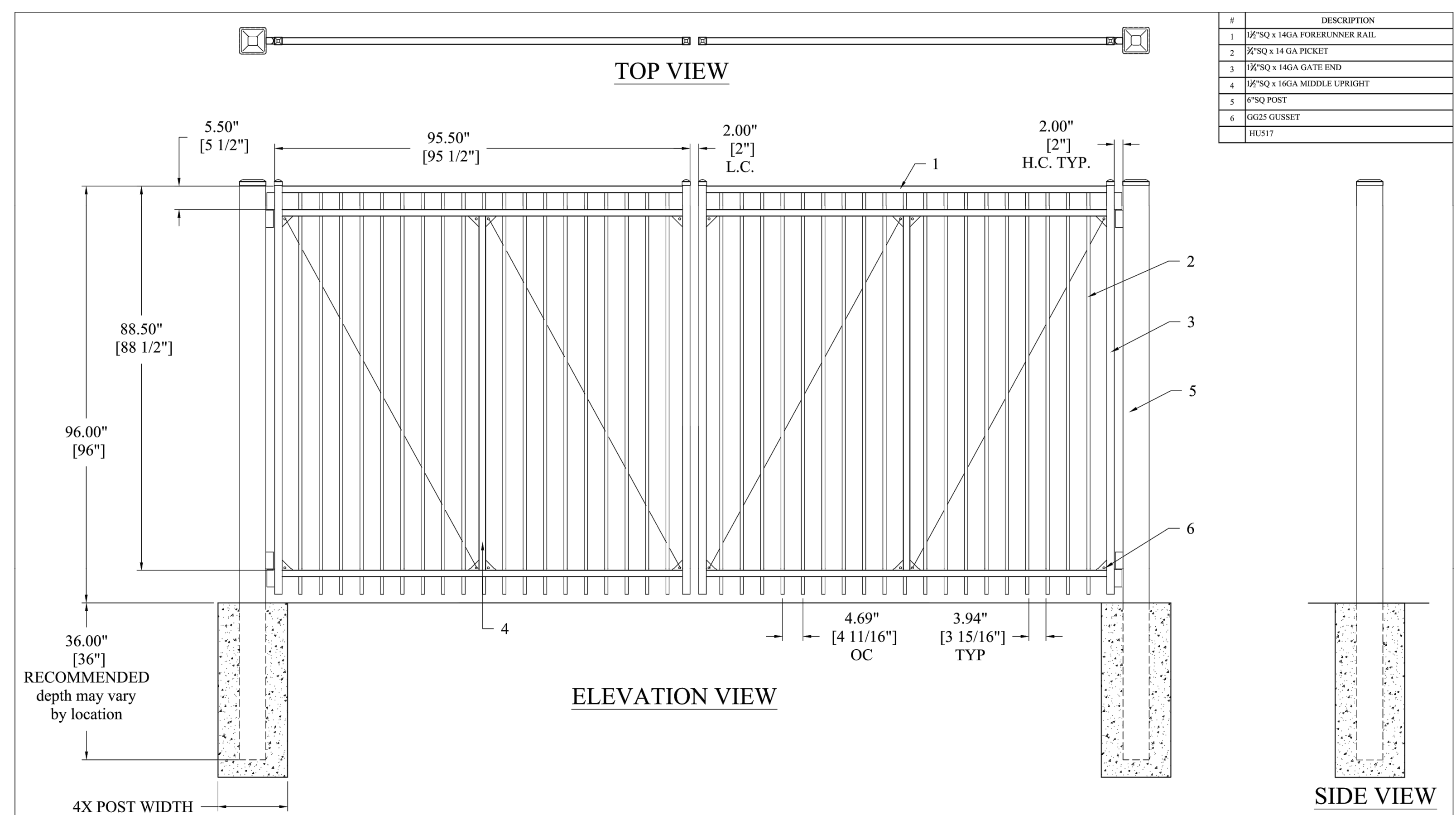
3 BUTT JOINT DETAIL
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4 SAW CUTS FOR NEW CURB DETAIL
 SCALE: NTS



5 HMA PAVEMENT RESTORATION
 SCALE: NTS



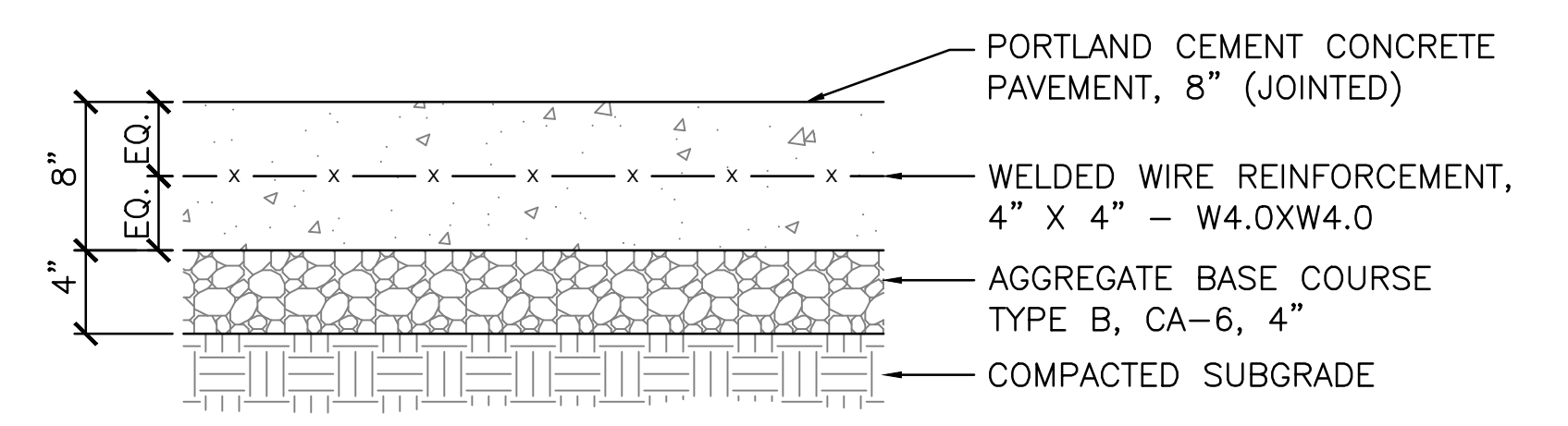
6 STEEL GATE DETAIL
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REV	DATE	AUTHOR	DESCRIPTION
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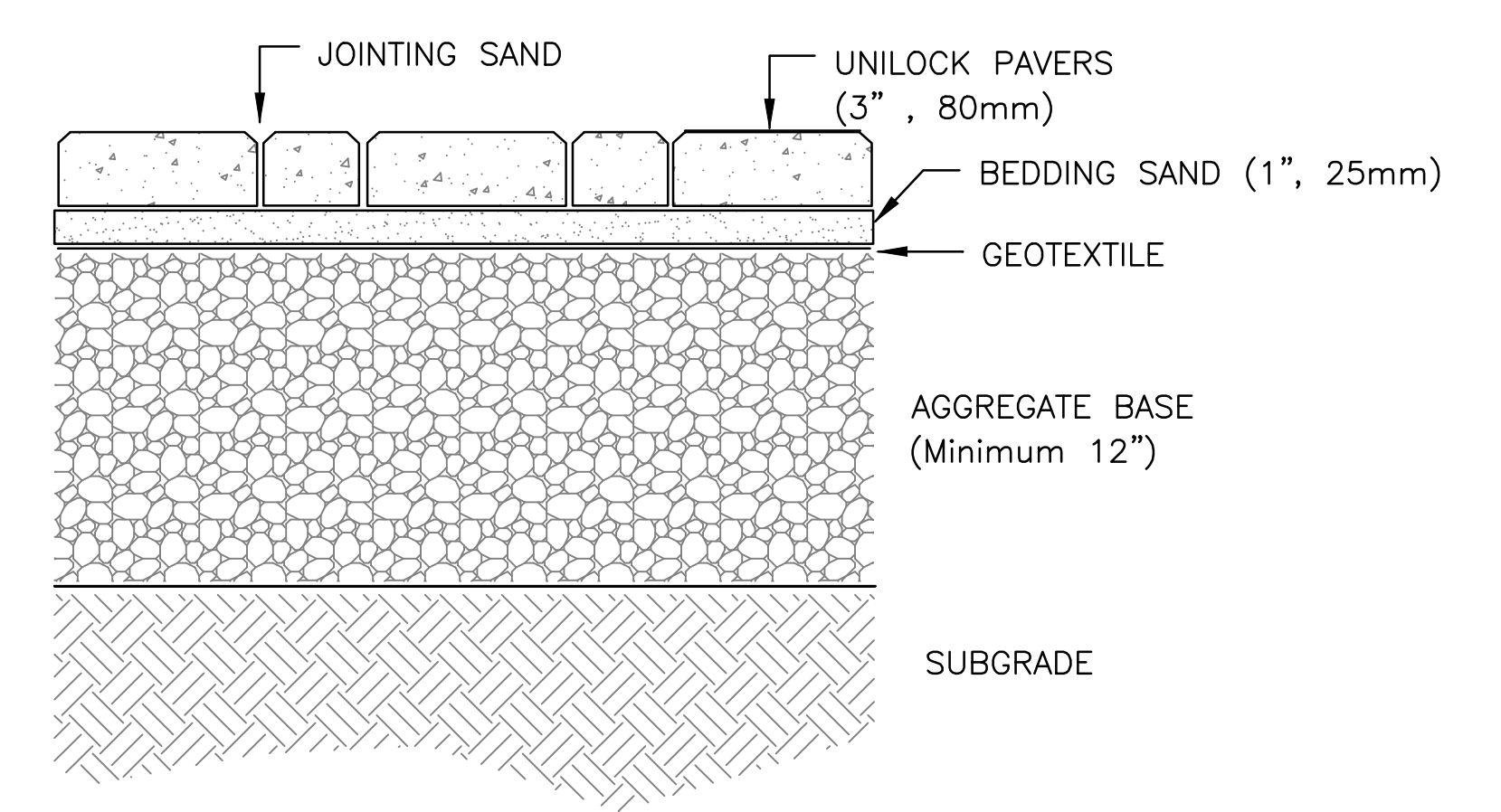
AMERISTAR

1000 N. Milgo
 Tulsa, OK 74116
 1-800-333-3422
 www.ameristarframe.com

TITLE: MONTAGE COMM. STEEL GATE
 DATE: 04/16/2019 SHEET: 1 of 1
 DRN BY: KMc REV: G
 DRAWING NO: 1WMO394-98



7 8" REINFORCED CONCRETE PAVEMENT DETAIL
 SCALE: NTS



8 CONCRETE PAVER DETAIL
 SCALE: NTS

Rev.	Description	Appr.	Date

METROPOLITAN WATER RECLAMATION DISTRICT
 OF GREATER CHICAGO

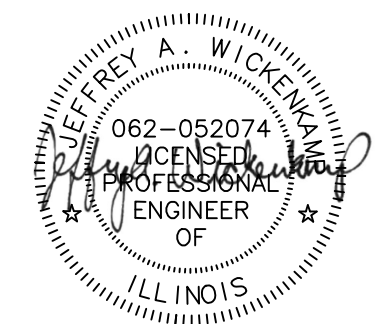
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 Correct: JAW

Scale: AS SHOWN
 Date: 2022

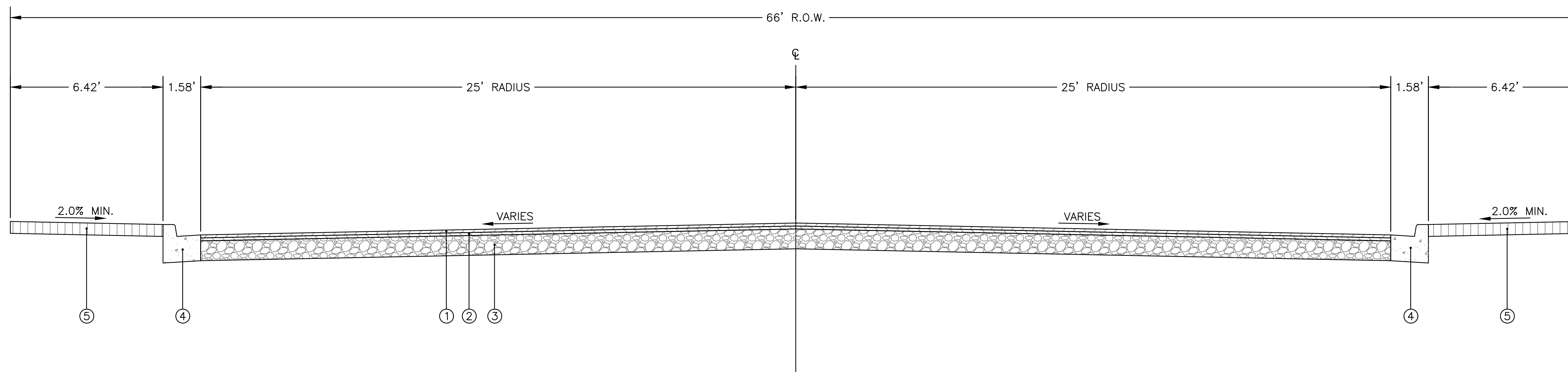
Hey and Associates, Inc.
 Engineering, Ecology and Landscape Architecture
 8755 WEST HERCULES ROAD, SUITE 835
 CHICAGO, ILLINOIS 60631
 OFFICE (773) 699-9200
 CHICAGO@HEYANSC.COM
 LICENSE NO. 18406287

CONTRACT 11-187-3F
 ADDISON CREEK CHANNEL IMPROVEMENTS

RESTORATION DETAILS



PLOT DATE: 9/23/2022 5:01 PM PLOTTED BY: KYLE SOLNER
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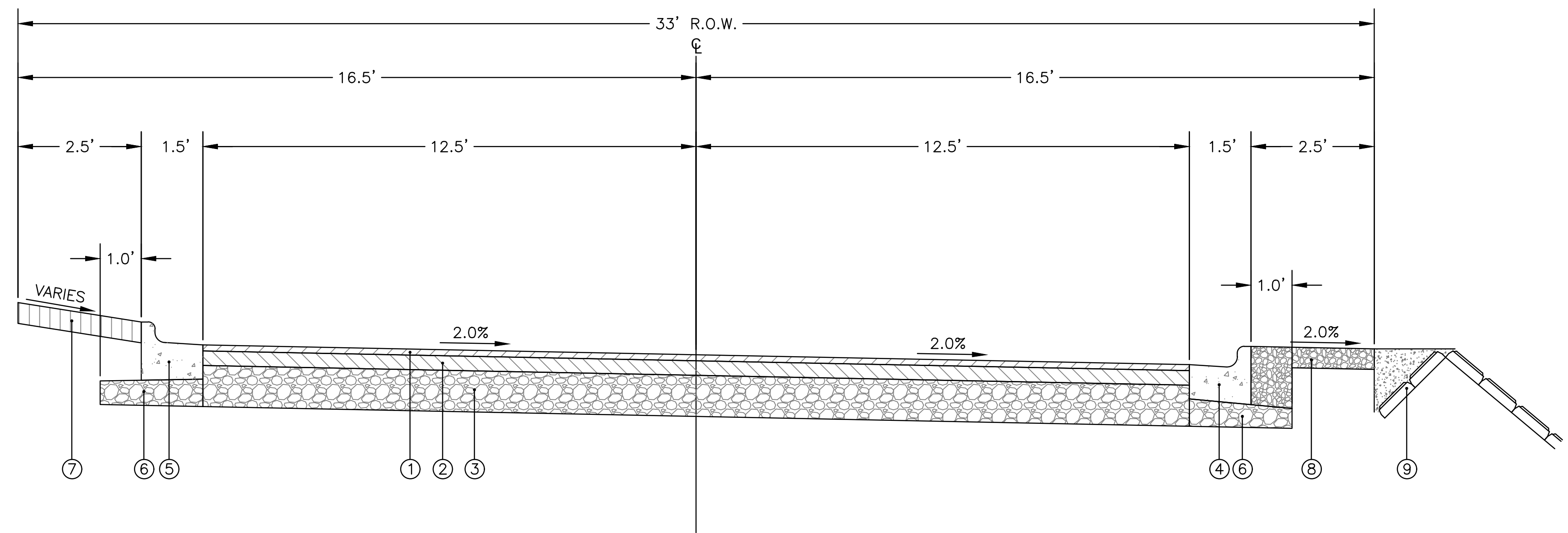


- ① PROP. HOT-MIX ASPHALT SURFACE COURSE, MIX C, N50 (IL-9.5), 1-1/2"
- ② PROP. HOT-MIX ASPHALT BINDER COURSE, IL-19, N50, 1-1/2"
- ③ PROP. AGGREGATE BASE COURSE, TYPE B, 10"
- ④ PROP. P.C.C. CURB AND GUTTER, TYPE B-6.12
- ⑤ TOPSOIL, 6" AND IDOT CLASS 2A SEEDING

ROADWAY NAME	HOT-MIX ASPHALT MIXTURE REQUIREMENTS		
	MIXTURE TYPE	AC TYPE	AIR VOIDS
39TH STREET	HOT-MIX ASPHALT SURFACE COURSE, MIX "C", N50 (IL 9.5)	PG 58-28	4% @ 50GYR.
43RD STREET	HOT-MIX ASPHALT BINDER COURSE, IL-19, N50	PG 58-28	4% @ 50GYR.

THE UNIT WEIGHT USED TO CALCULATE ALL HMA MIXTURE QUANTITIES IS 112 LBS/SQ.YD./IN.

1 CUL-DE-SAC TYPICAL SECTION (STONE PARK)
 SCALE: NTS

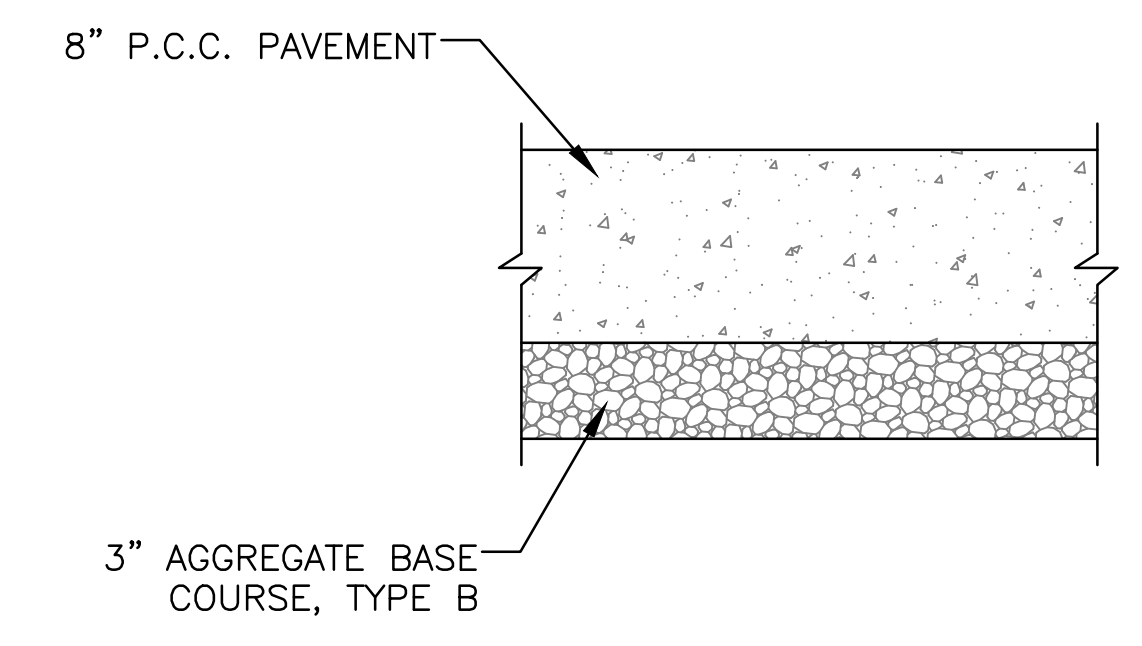


- ① PROP. HOT-MIX ASPHALT SURFACE COURSE, MIX D, N50 (IL-9.5), 1-3/4"
- ② PROP. HOT-MIX ASPHALT BINDER COURSE, IL-19, N50, 4-1/4"
- ③ PROP. AGGREGATE BASE COURSE, TYPE B, 12"
- ④ PROP. P.C.C. CURB AND GUTTER, TYPE B-6.12
- ⑤ PROP. P.C.C. CURB AND GUTTER, TYPE B-6.12, REVERSE PITCH
- ⑥ PROP. AGGREGATE BASE COURSE, TYPE B, VARIES, INCIDENTAL TO THE COST OF B-6.12 CURB AND GUTTER
- ⑦ TOPSOIL, 6" AND IDOT CLASS 2A SEEDING
- ⑧ COARSE AGGREGATE, IDOT CA 1, 6"
- ⑨ ARTICULATING CONCRETE BLOCK

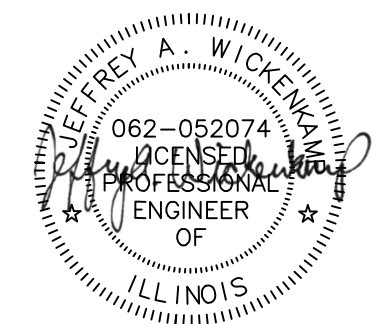
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	AC TYPE	AIR VOIDS
HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N50 (IL 9.5)	PG 58-28	4% @ 50GYR.
HOT-MIX ASPHALT BINDER COURSE, IL-19, N50	PG 58-28	4% @ 50GYR.

THE UNIT WEIGHT USED TO CALCULATE ALL HMA MIXTURE QUANTITIES IS 112 LBS/SQ.YD./IN.

2 TYPICAL VILLAGE OF BELLWOOD ROADWAY SECTION
 SCALE: NTS



3 VILLAGE OF BELLWOOD ALLEY TYPICAL SECTION
 SCALE: NTS



Rev.	Description	Appr.	Date

METROPOLITAN WATER RECLAMATION DISTRICT OF GREATER CHICAGO

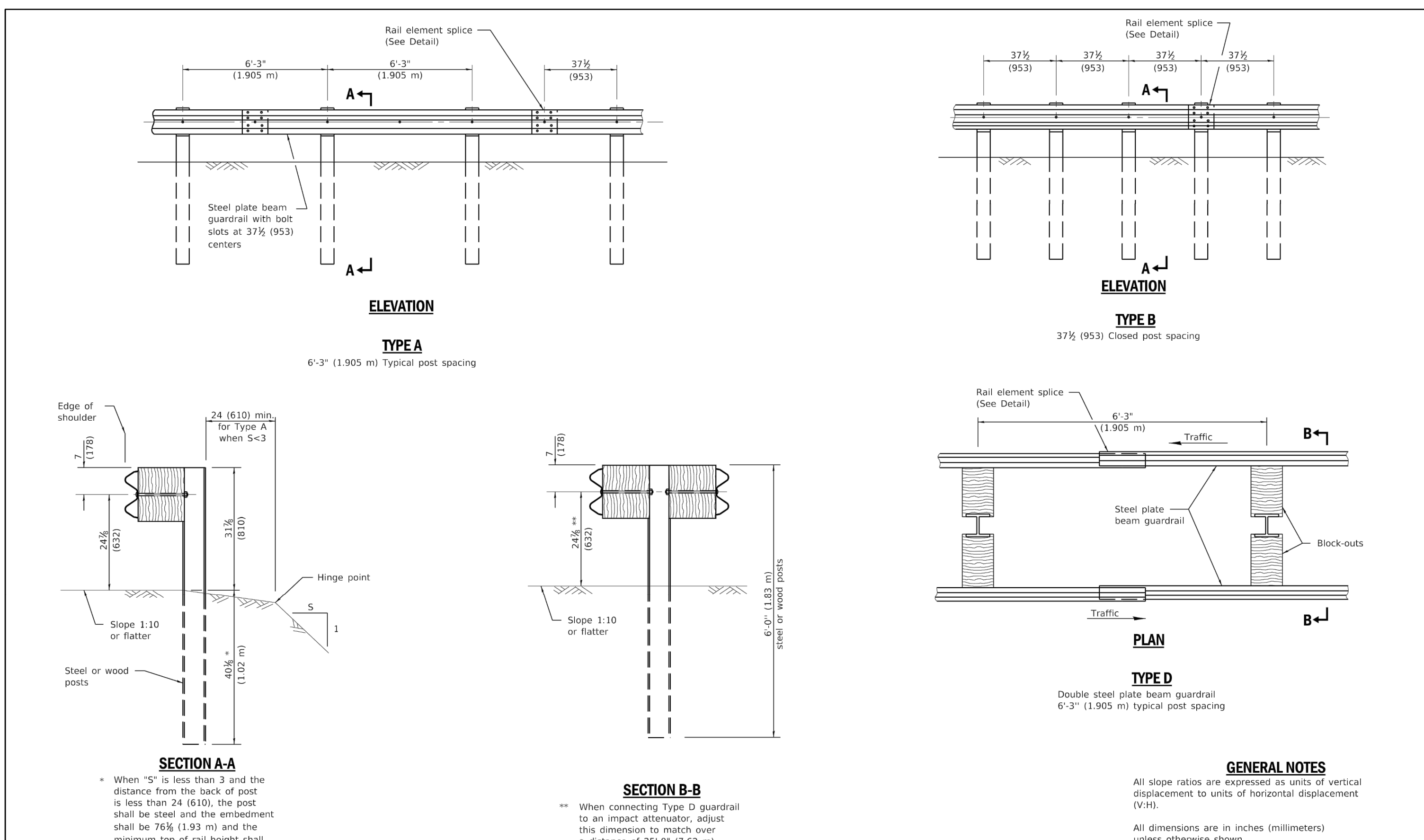
Hey and Associates, Inc.
 Engineering, Ecology and Landscape Architecture
 8755 WEST HERCULES ROAD, SUITE 835
 CHICAGO, ILLINOIS 60631
 OFFICE (773) 699-2000
 CHICAGO@HEYANDASSOCIATES.COM
 PROFESSIONAL DESIGN FIRM
 LICENSE NO. 184002429

Designed by: TCT
 Checked by: PML
 Drawn by: KSS
 Correct: JAW

Scale: AS SHOWN
 Date: 2022

CONTRACT 11-187-3F
 ADDISON CREEK CHANNEL IMPROVEMENTS

RESTORATION DETAILS

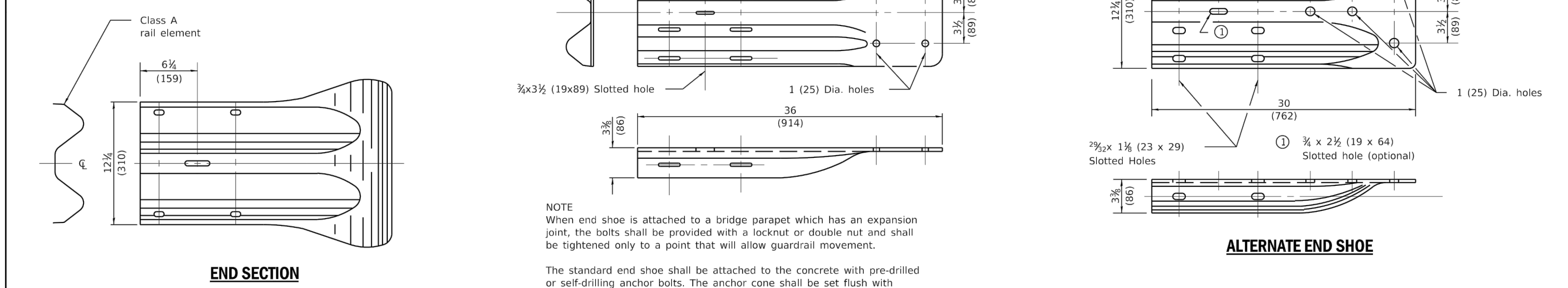
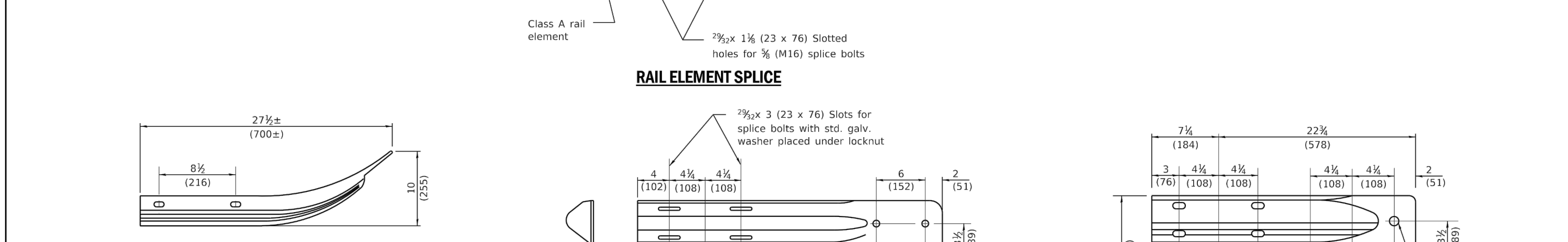
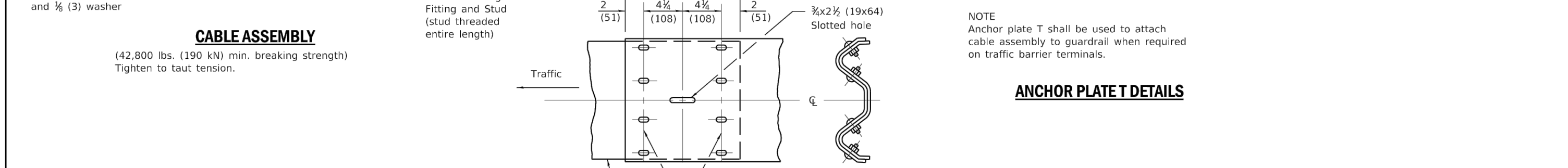
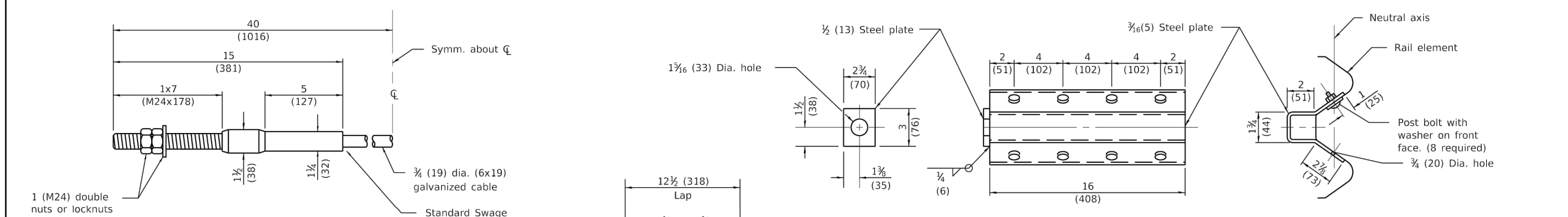


GENERAL NOTES
 All slope ratios are expressed as units of vertical displacement to units of horizontal displacement (V:H).
 All dimensions are in inches (millimeters) unless otherwise shown.

SECTION A-A
 * When "S" is less than 3 and the distance from the back of post is less than 24 (610), the post shall be steel and the embedment shall be 76 1/2 (193) mm and the minimum top of rail height shall be 31 (787).

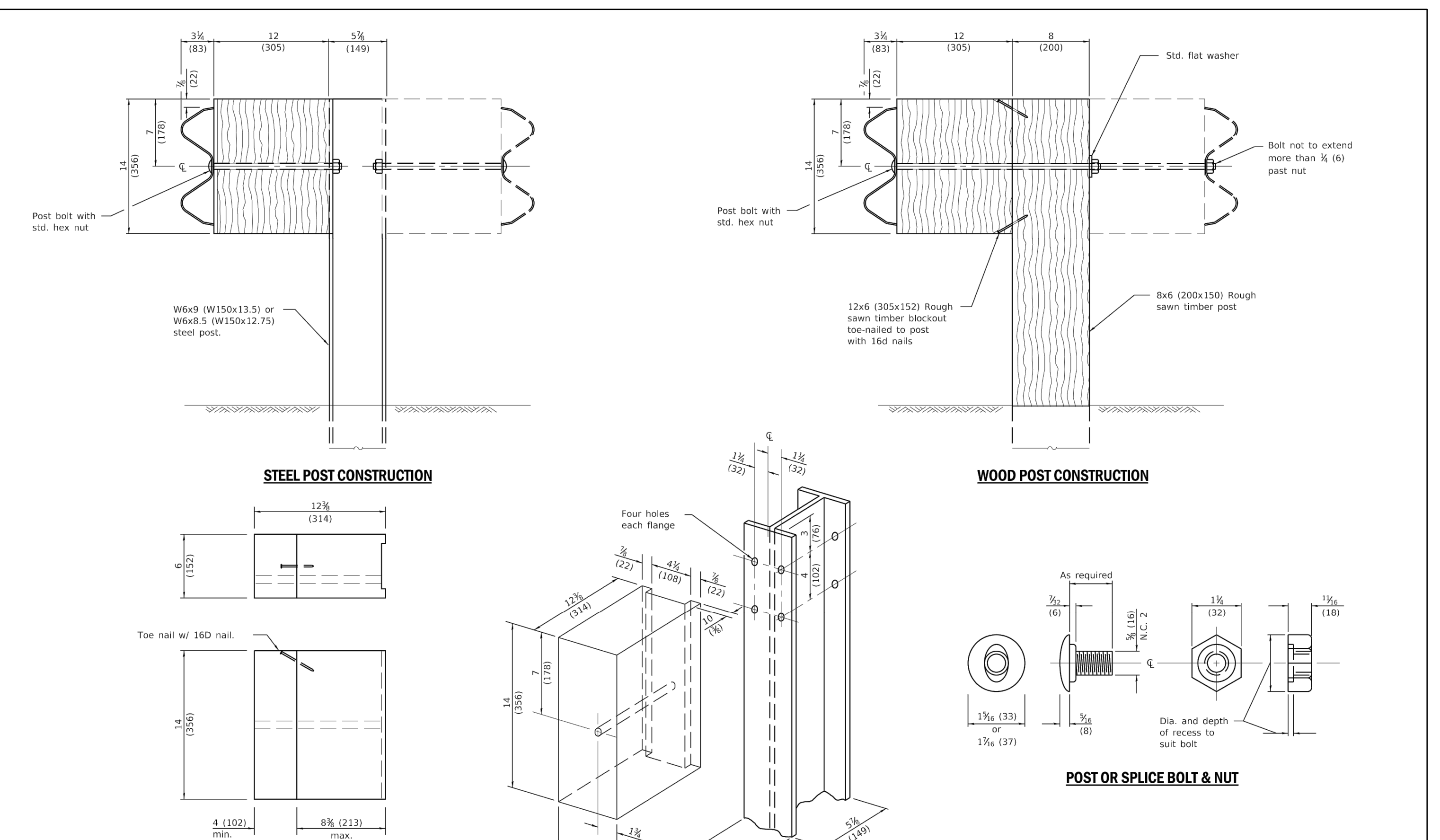
SECTION B-B
 ** When connecting Type D guardrail to an impact attenuator, adjust this dimension to match over a distance of 25'-0" (7.62 m) from point of connection if necessary.

DATE	REVISIONS
1-1-18	Revised steel post to have four holes in each flange.
1-1-17	Added detail for leave-out. Rev. 'D' to less than 6 (150) for guardrail behind curb.



STEEL PLATE BEAM GUARDRAIL
 STANDARD 630001-12
 (Sheet 3 of 4)

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 APPROVED January 1, 2018
 MARIANNE M. BROWN
 ENGINEER OF DESIGN AND ENVIRONMENT



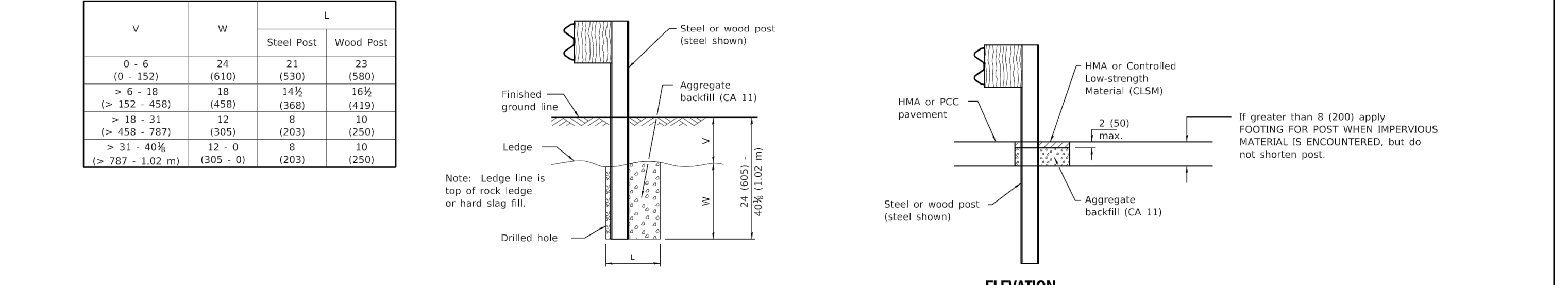
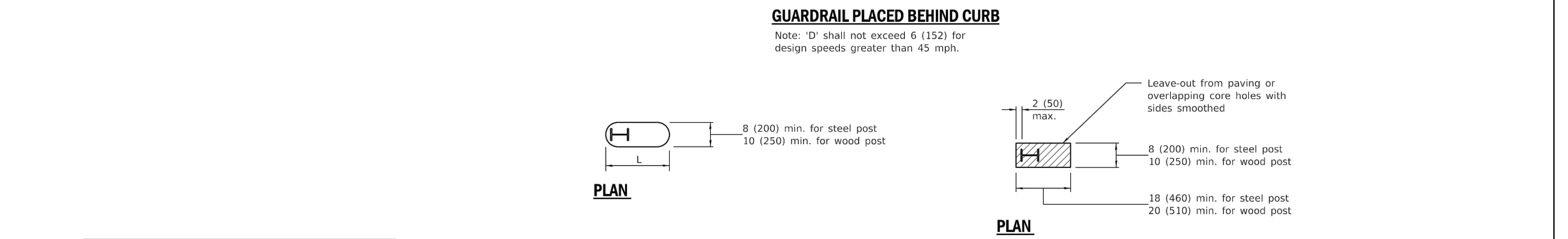
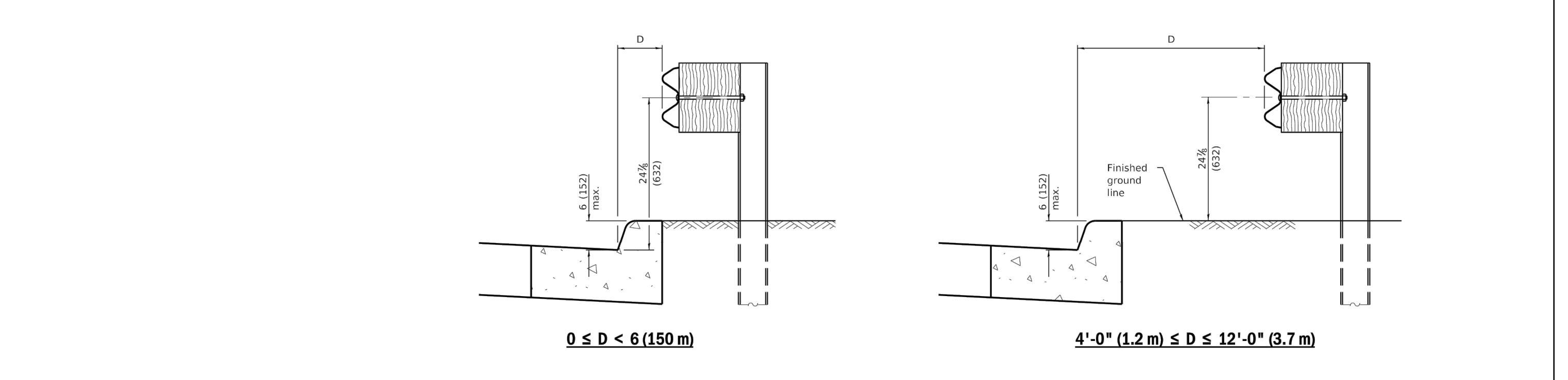
STEEL POST CONSTRUCTION
 W6x9 (W150x13.5) or W6x8.5 (W150x12.75) steel post.

WOOD POST CONSTRUCTION
 12x6 (305x152) Rough sawn timber post
 8x6 (200x150) Rough sawn timber post

POST OR SPLICE BOLT & NUT
 As required
 1/2 (12.7) N.C. 2
 1 1/4 (31.8) or 1 1/2 (38.1)

WOOD BLOCK-OUT AND STEEL POST DETAILS
 Note: All holes 1/2 (20) dia.

STEEL PLATE BEAM GUARDRAIL
 STANDARD 630001-12
 (Sheet 2 of 4)



STEEL PLATE BEAM GUARDRAIL
 STANDARD 630001-12
 (Sheet 4 of 4)

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 ENGINEER OF DESIGN AND ENVIRONMENT

RESTORATION DETAILS

Scale: AS SHOWN
 Designed by: TCT
 Checked by: PML
 Drawn by: KSS
 Reviewed by: JAW
 Date: 2022

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 MICHAEL BROWN
 ENGINEER OF POLICY AND PROCEDURES
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Rev.	Description	Appr.	Date

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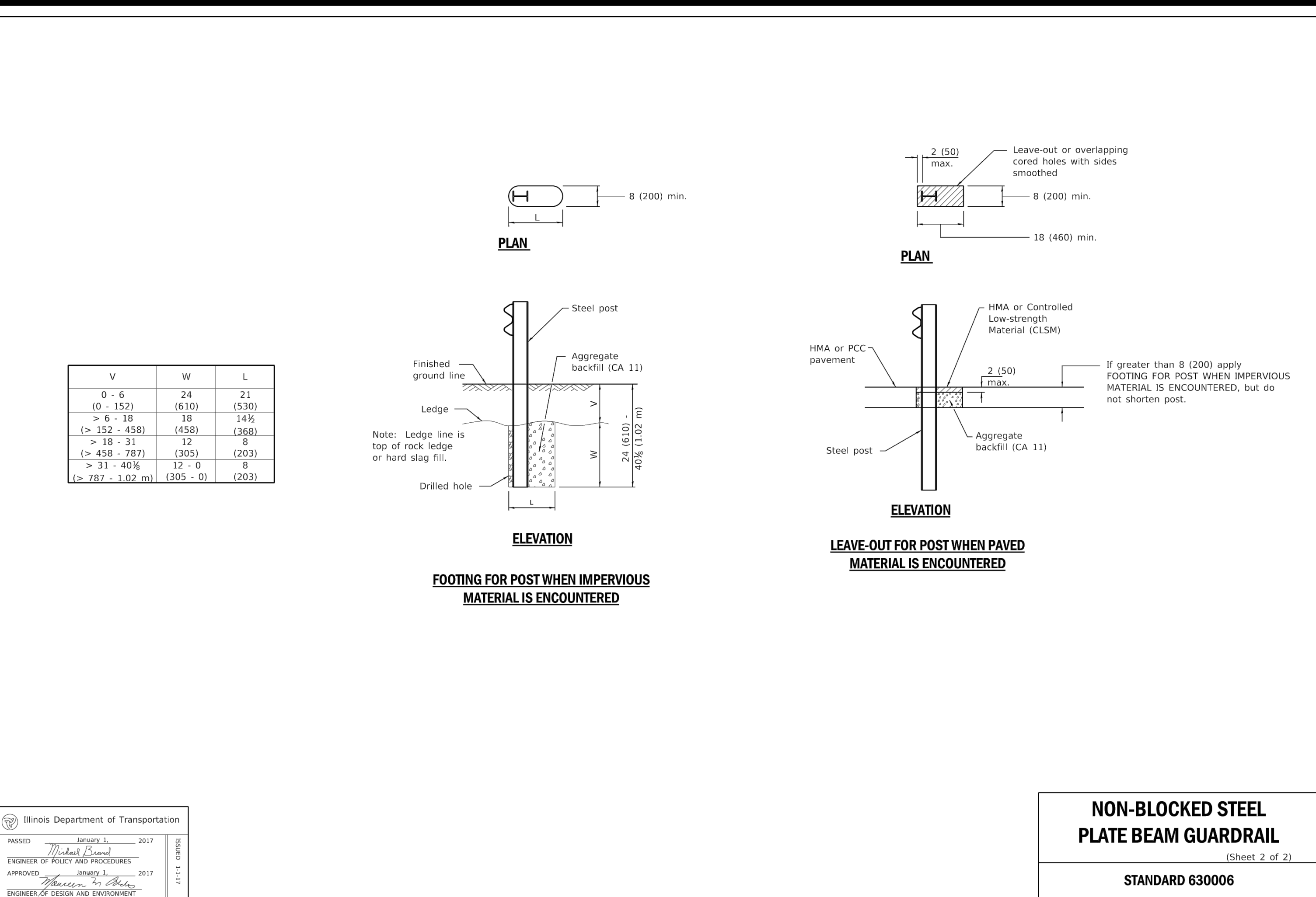
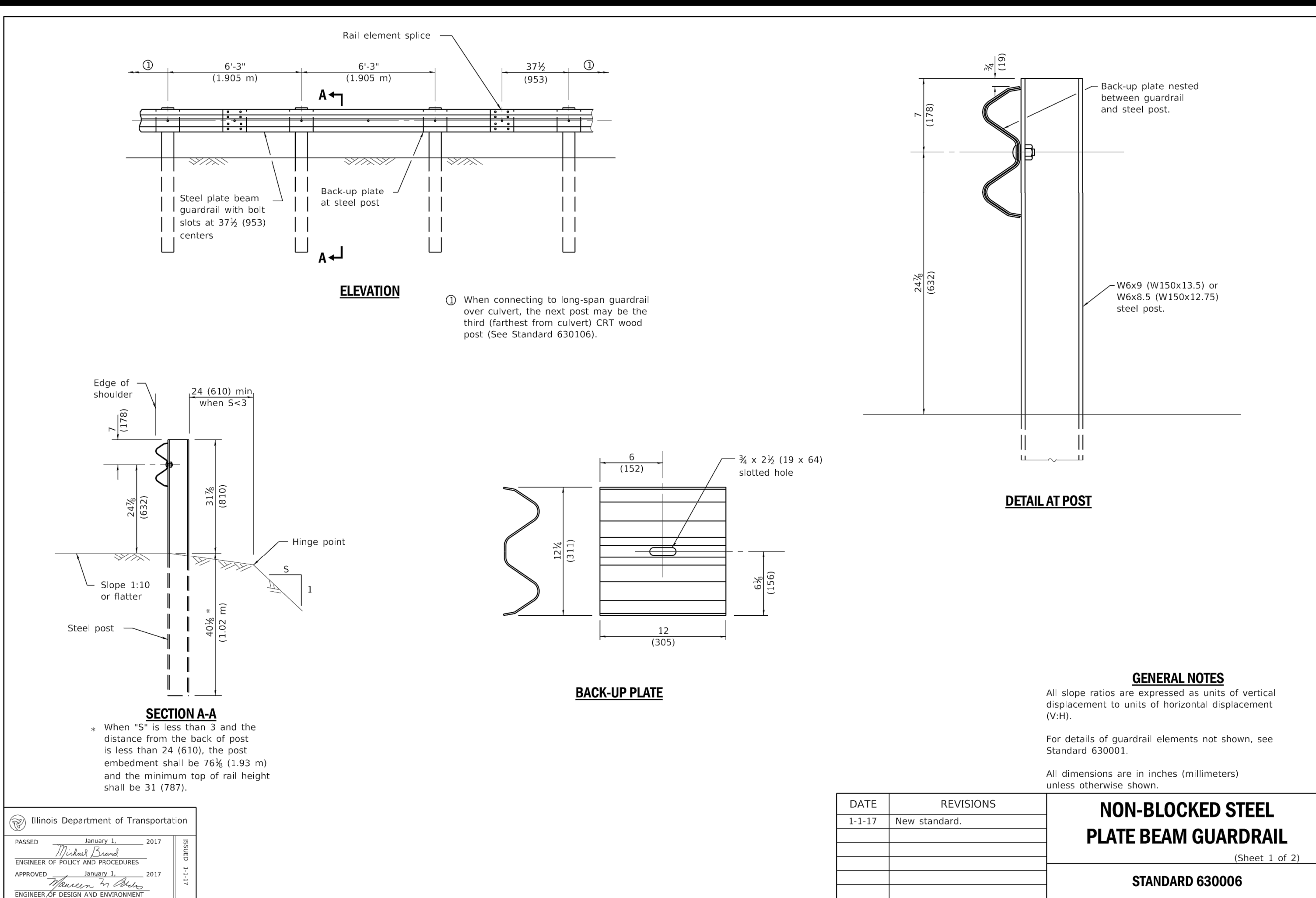
Hey and Associates, Inc.
 Engineering, Ecology and Landscape Architecture
 CHICAGO, ILLINOIS 60631
 OFFICE (773) 699-2000
 CHICAGO@HEYASAC.COM
 HEYASAC.COM
 PROFESSIONAL DESIGN FIRM LICENSE NO. 184002429

CONTRACT 11-187-3F
 ADDISON CREEK CHANNEL IMPROVEMENTS

Restoration Details

Sheet Number: CR-505
 Page Number: 340

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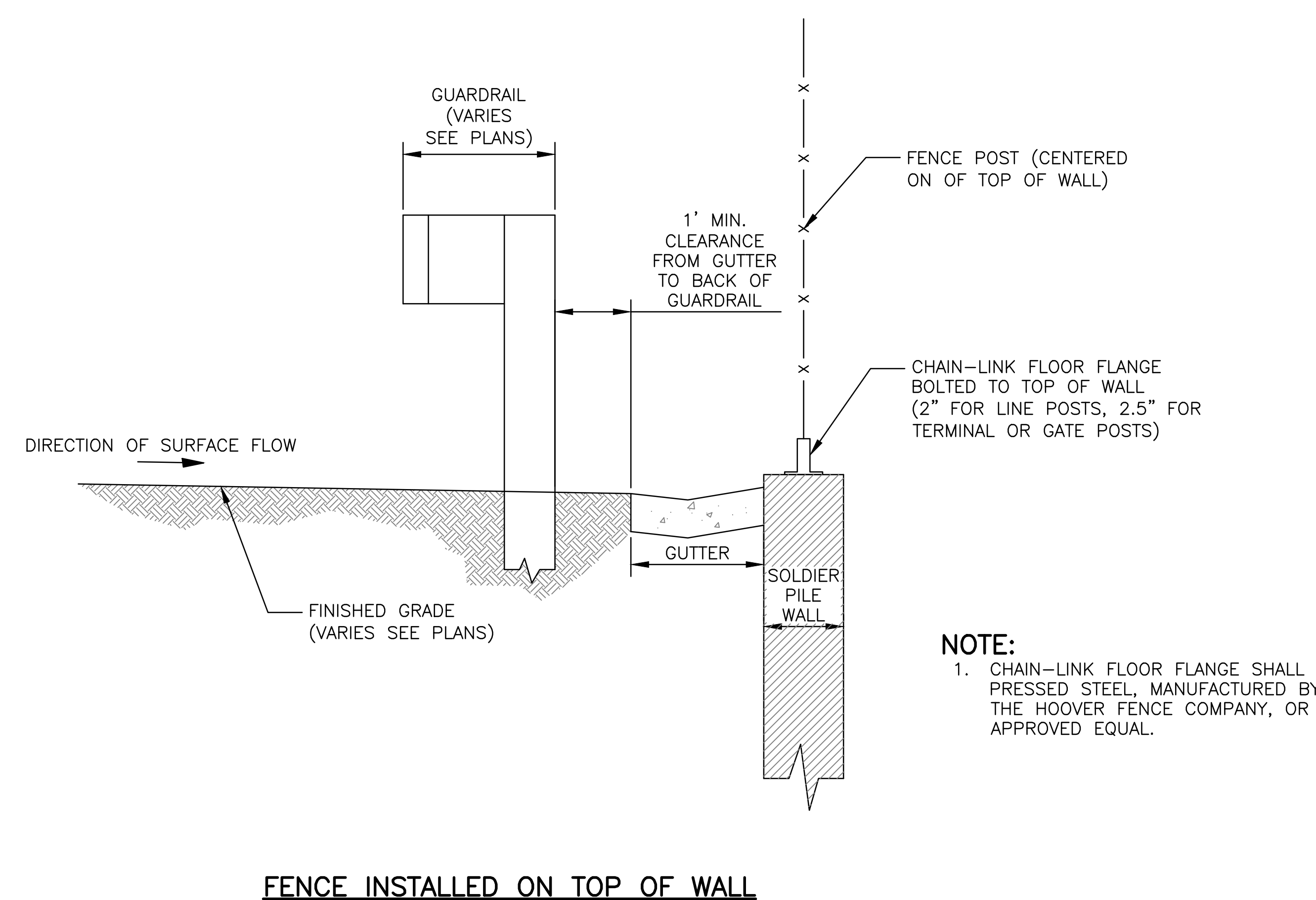
DATE	REVISIONS
1-1-17	New standard.

NON-BLOCKED STEEL PLATE BEAM GUARDRAIL
 (Sheet 1 of 2)
 STANDARD 630006

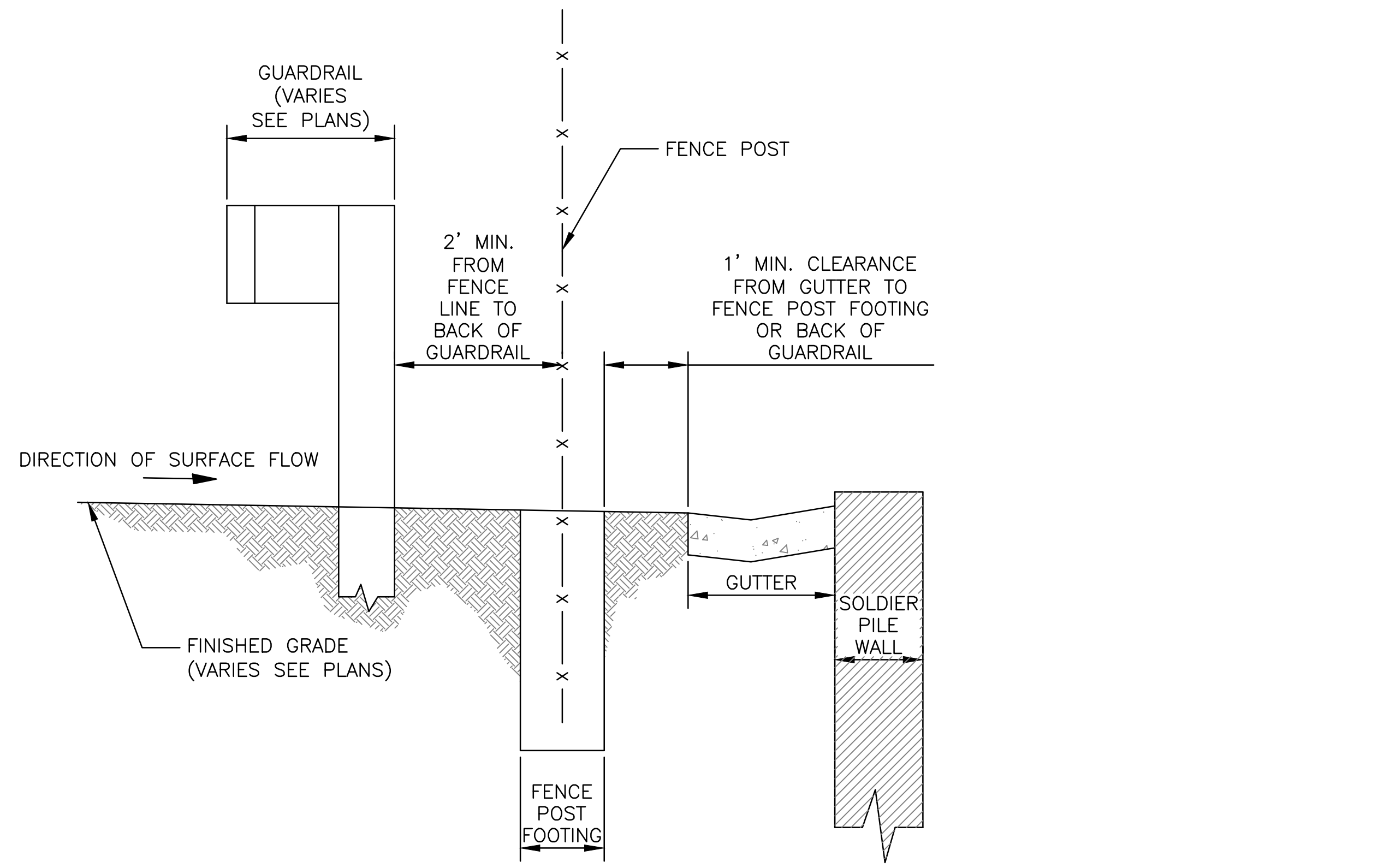
DATE	REVISIONS
1-1-17	New standard.

NON-BLOCKED STEEL PLATE BEAM GUARDRAIL
 (Sheet 2 of 2)
 STANDARD 630006

1 NON-BLOCKED STEEL PLATE BEAM GUARDRAIL
 SCALE: NTS



FENCE INSTALLED ON TOP OF WALL



FENCE AND/OR GUARDRAIL BEHIND SOLDIER PILE WALLS

2 FENCE AND/OR GUARDRAIL INSTALLATION ALONG SOLDIER PILE WALL DETAIL
 SCALE: NTS

Rev.	Description	Appr.	Date

METROPOLITAN WATER RECLAMATION DISTRICT OF GREATER CHICAGO

Designed by: TCT
 Checked by: PML
 Drawn by: KSS
 Correct: JAW

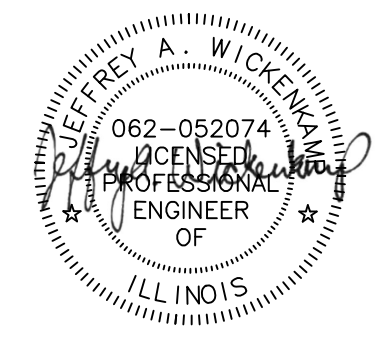
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 Date: 2022

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 Engineering, Ecology and Landscape Architecture
 8755 WEST HERGANS ROAD, SUITE 835
 CHICAGO, ILLINOIS 60631
 OFFICE (773) 695-2000
 CHICAGO@HEYANDASSOCIATES.COM
 HEYANDASSOCIATES.COM
 PROFESSIONAL DESIGN FIRM
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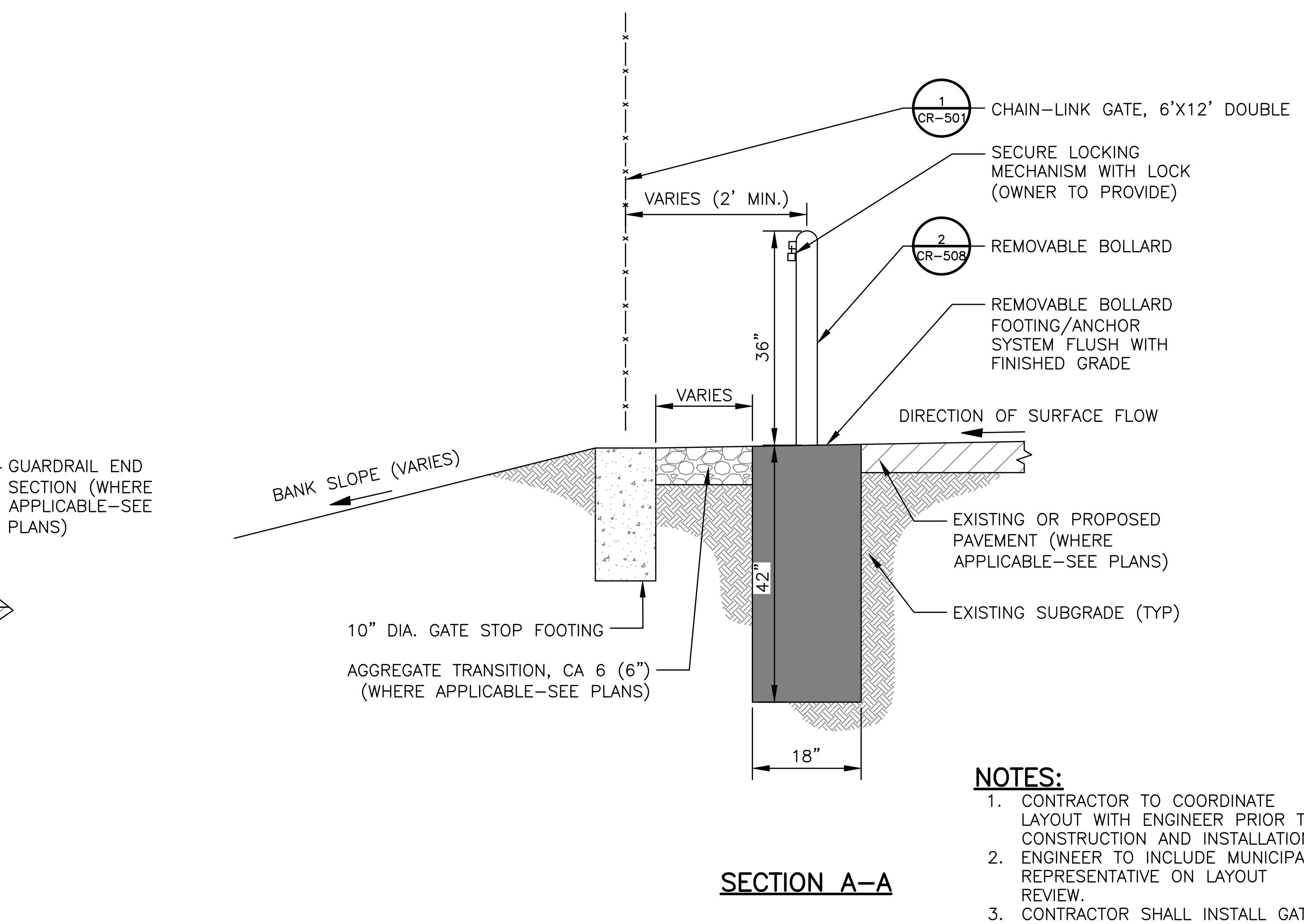
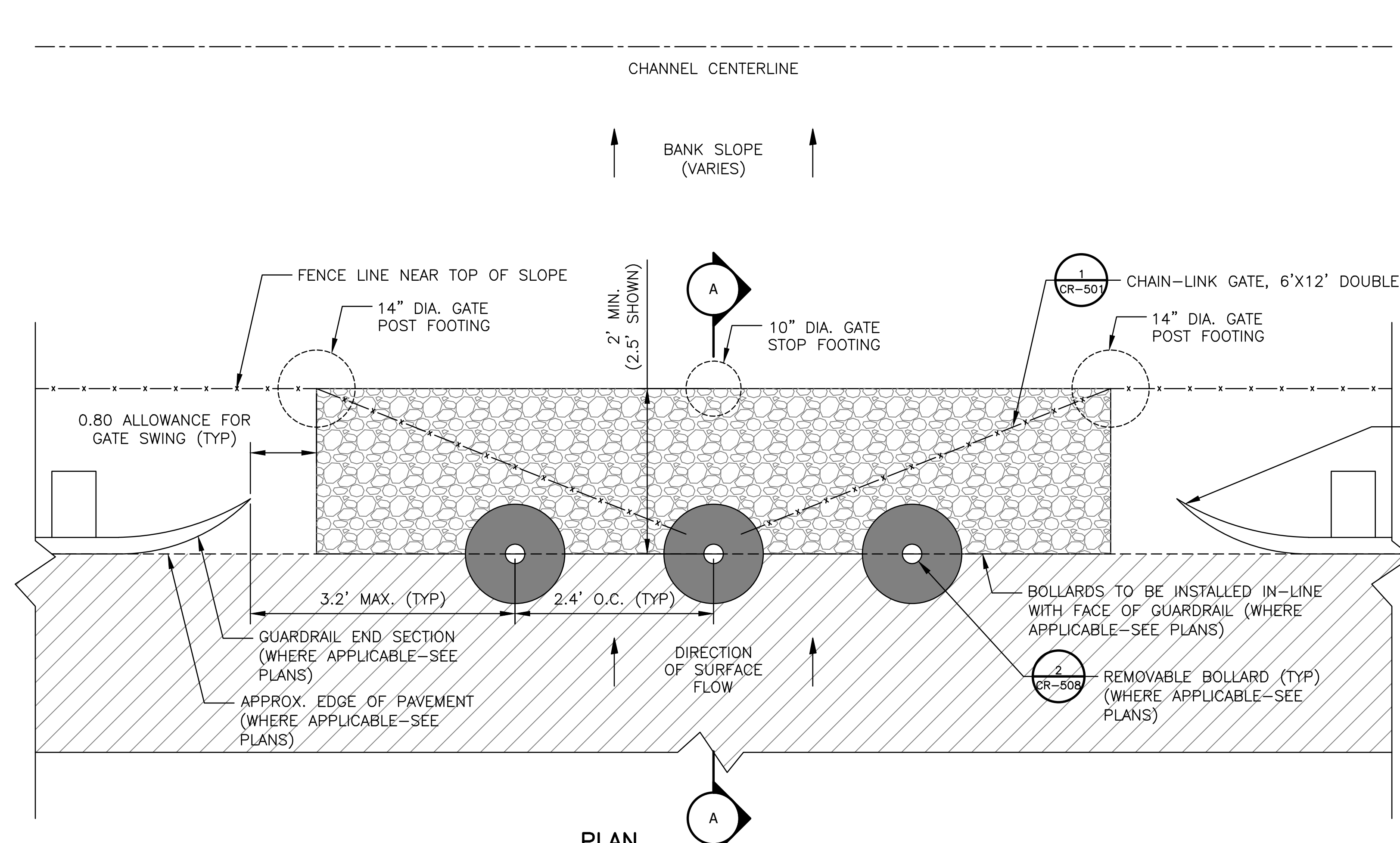
CONTRACT 11-187-3F
 ADDISON CREEK CHANNEL IMPROVEMENTS

RESTORATION DETAILS

Sheet Number:
CR-506
 Page Number: 341

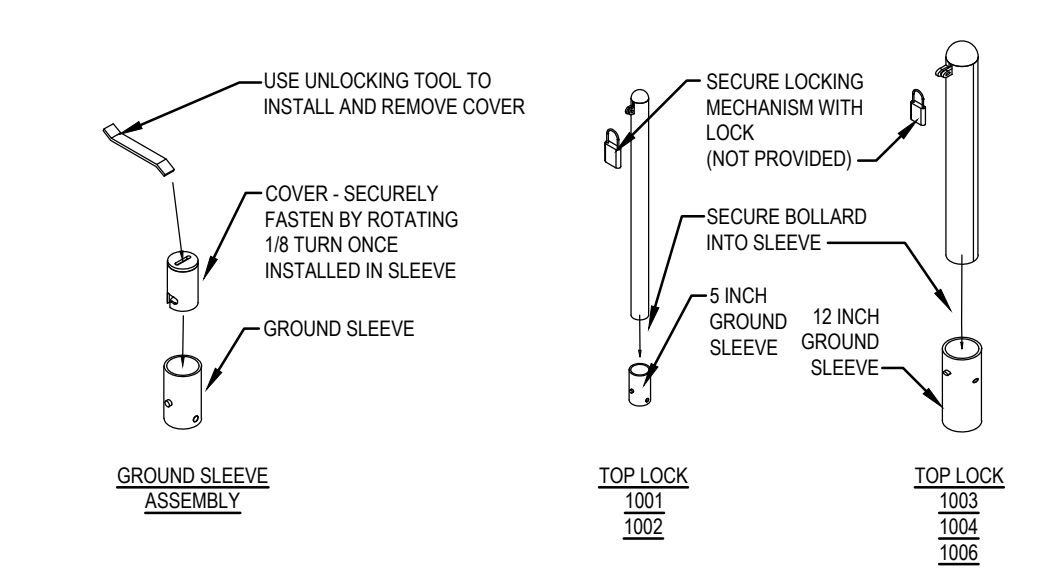


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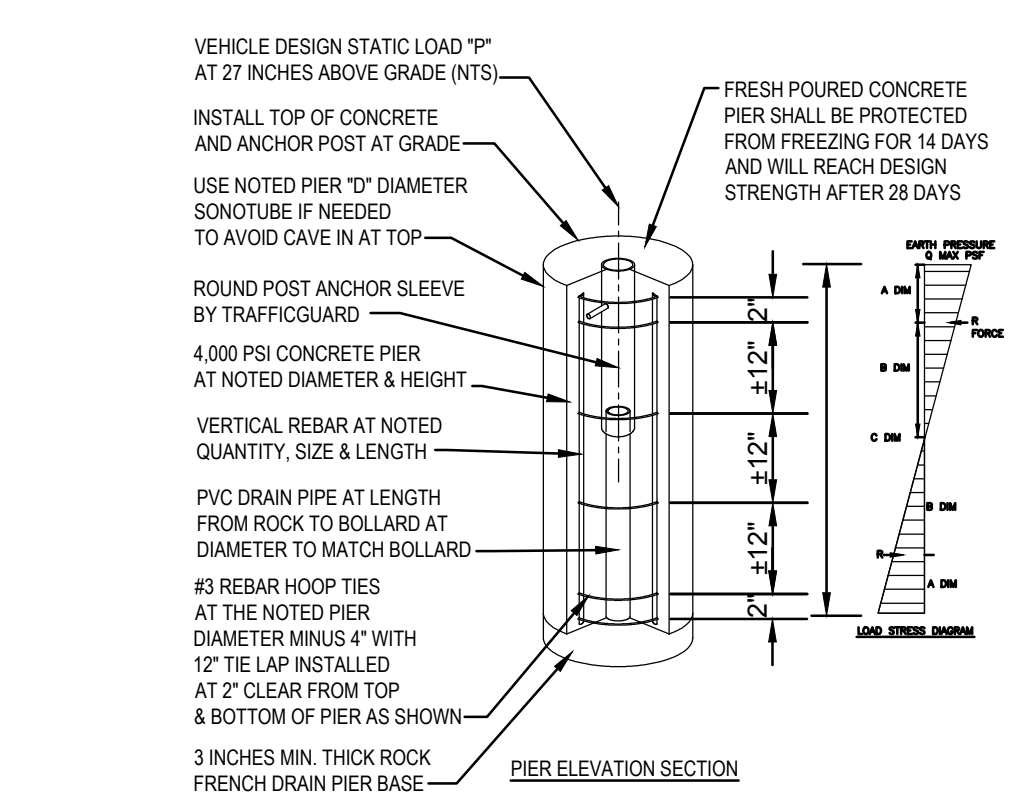
1 GATE W/ REMOVABLE BOLLARDS AND/OR AGGREGATE TRANSITION
 SCALE: NTS

- NOTES:**
- CONTRACTOR TO COORDINATE LAYOUT WITH ENGINEER PRIOR TO CONSTRUCTION AND INSTALLATION.
 - ENGINEER TO INCLUDE MUNICIPAL REPRESENTATIVE ON LAYOUT REVIEW.
 - CONTRACTOR SHALL INSTALL GATE TO ENSURE FULL OPENING WIDTH AT A MINIMUM.



- NOTES:**
- INSTALLATION TO BE COMPLETED IN ACCORDANCE WITH MANUFACTURER'S SPECIFICATIONS.
 - ALL DIMENSIONS ARE CONSIDERED TRUE AND REFLECT MANUFACTURER'S SPECIFICATIONS.
 - DO NOT SCALE DRAWING.

ROUND POST TOP LOCK
 ROUND POST TOP LOCK (36" POST HEIGHT, 3.5" OD), ASSEMBLY DETAIL
 TRAFFICGUARD OR APPROVED EQUAL



- NOTES:**
- THIS IS A GUIDELINE FOR ESTIMATING. SITE SPECIFIC CONDITIONS SHOULD BE VERIFIED.
 - INSTALLATION TO BE COMPLETED IN ACCORDANCE WITH MANUFACTURER'S SPECIFICATIONS.
 - ALL DIMENSIONS ARE CONSIDERED TRUE AND REFLECT MANUFACTURER'S SPECIFICATIONS.
 - DO NOT SCALE DRAWING.

ROUND POST TOP LOCK
 ROUND POST TOP LOCK (36" POST HEIGHT, 3.5" OD), FOOTING / ANCHOR SYSTEM DETAILS
 TRAFFICGUARD OR APPROVED EQUAL

2 REMOVABLE BOLLARD DETAIL
 SCALE: NTS

DESIGN AND CONSTRUCTION DATA SCHEDULE

- THE DESIGN LOAD IS A STATIC LOAD "P" LOCATED AT 27 INCHES ABOVE GRADE THAT SHOULD CAUSE FAILURE OF THE BOLLARD.
- THE EARTH PRESSURE VALUE IS SHOWN AT DESIGN LOAD AND THE OWNER SHOULD VERIFY THAT THE EARTH IS ADEQUATE TO WITHSTAND THE NOTED EARTH DESIGN PRESSURE.
- ANCHORAGE SYSTEMS BY OTHERS THAN TRAFFICGUARD MAY CAUSE PREMATURE FAILURE OF THE BOLLARD BY ROTATION OF ANCHORAGE AT DESIGN LOAD.

DESIGN FORMULA: EARTH PRESSURE MAXIMUM $Q_{max} = 3688 P / (DB(A+B))$

NOTE: CONCRETE, FORM, ROCK, PVC DRAIN AND REBAR PROVIDED BY OTHERS

DESIGN LOAD P	BOLLARD Out Dia	1/4 Dia	EARTH "Q" MAX.	PIER HT. "C" MAX.	VERT. REBAR LENGTH	HOOP TIES	PIER CONCRETE	FRENCH DRAIN "D"	PIER "E"	
600 #	1.910"	1.620"	992 PSF	42 INCH	38 INCH	3	6 EA	6 Cu Ft	1.2 CF	8"
1200 #	2.440"	2.064"	1984 PSF	42 INCH	38 INCH	3	6 EA	6 Cu Ft	1.2 CF	8"
3000 #	3.500"	3.068"	2976 PSF	42 INCH	38 INCH	4	6 EA	6 Cu Ft	0.5 CF	18"
6000 #	4.500"	4.028"	4408 PSF	42 INCH	38 INCH	4	6 EA	6 Cu Ft	0.5 CF	18"
8000 #	4.500"	4.028"	2967 PSF	54 INCH	50 INCH	4	7 EA	8 Cu Ft	0.5 CF	18"
10000 #	5.563"	5.047"	4444 PSF	54 INCH	50 INCH	4	7 EA	8 Cu Ft	0.5 CF	18"
10000 #	5.563"	5.047"	3600 PSF	60 INCH	56 INCH	4	8 EA	9 Cu Ft	0.5 CF	18"
10000 #	5.563"	5.047"	2976 PSF	66 INCH	62 INCH	4	8 EA	10 Cu Ft	0.5 CF	18"
15000 #	6.625"	6.065"	3750 PSF	72 INCH	68 INCH	4	9 EA	11 Cu Ft	0.5 CF	18"
15000 #	6.625"	6.065"	3195 PSF	78 INCH	72 INCH	4	9 EA	12 Cu Ft	0.5 CF	18"
15000 #	6.625"	6.065"	3240 PSF	60 INCH	56 INCH	8	8 EA	25 Cu Ft	1.8 CF	30"
15000 #	6.625"	6.065"	3333 PSF	54 INCH	50 INCH	8	7 EA	32 Cu Ft	1.8 CF	36"

- NOTES:**
- INSTALLATION TO BE COMPLETED IN ACCORDANCE WITH MANUFACTURER'S SPECIFICATIONS.
 - ALL DIMENSIONS ARE CONSIDERED TRUE AND REFLECT MANUFACTURER'S SPECIFICATIONS.
 - DO NOT SCALE DRAWING.

ROUND POST TOP LOCK
 ROUND POST TOP LOCK (36" POST HEIGHT, 3.5" OD), DESIGN & CONSTRUCTION DATA
 TRAFFICGUARD OR APPROVED EQUAL

Rev.	Description	Appr.	Date

METROPOLITAN WATER RECLAMATION DISTRICT OF GREATER CHICAGO

Scale: AS SHOWN

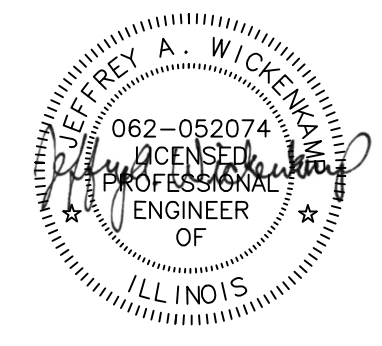
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 Engineering, Ecology and Landscape Architecture
 8755 WEST HERGAS ROAD, SUITE 835
 CHICAGO, ILLINOIS 60631
 OFFICE (773) 699-2000
 CHICAGO@HEYANDASSOCIATES.COM
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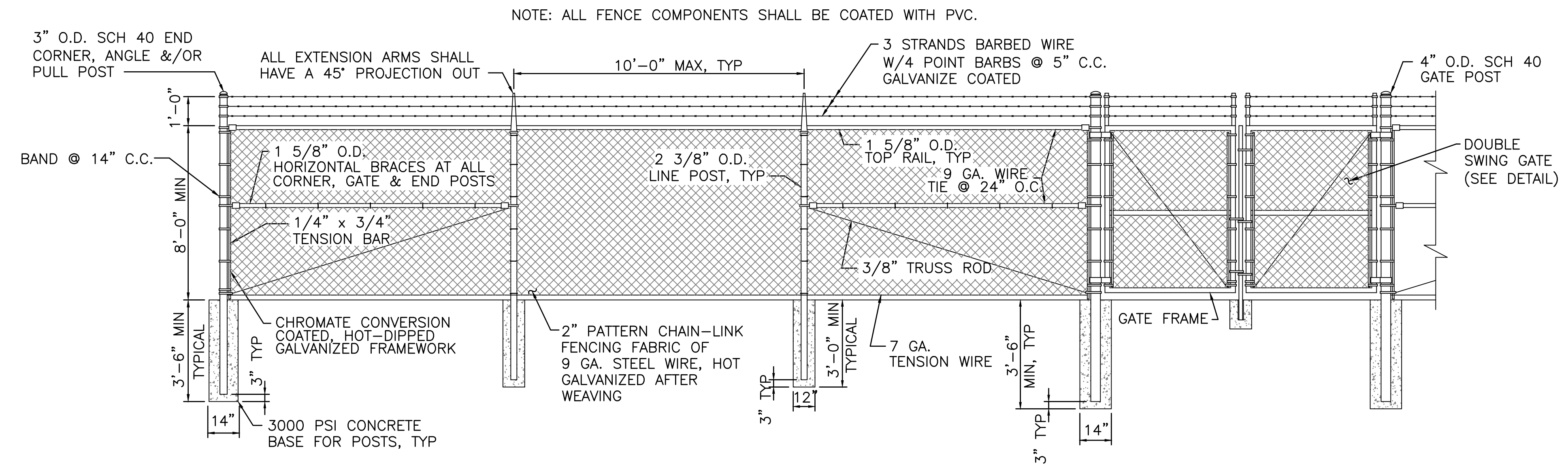
CONTRACT 11-187-3F
 ADDISON CREEK CHANNEL IMPROVEMENTS

RESTORATION DETAILS

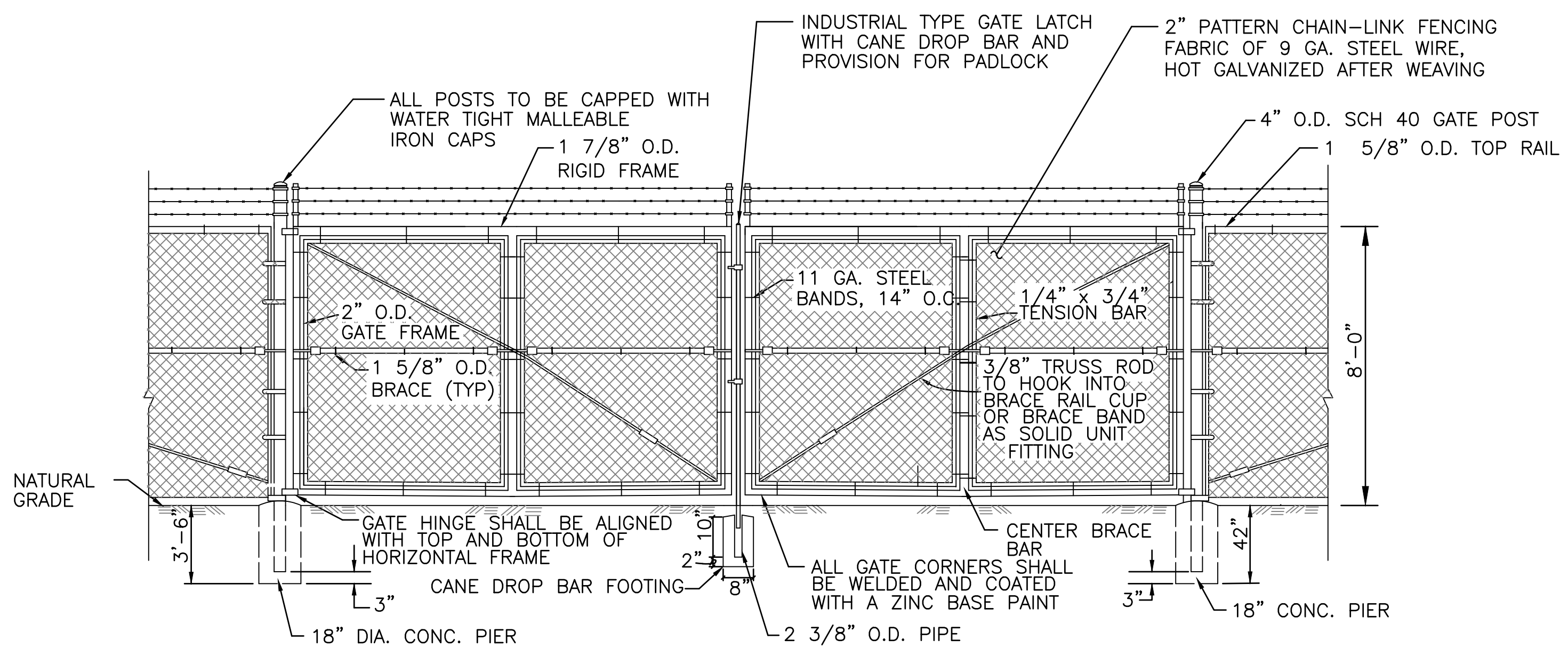
Sheet Number: **CR-507**
 Page Number: 342



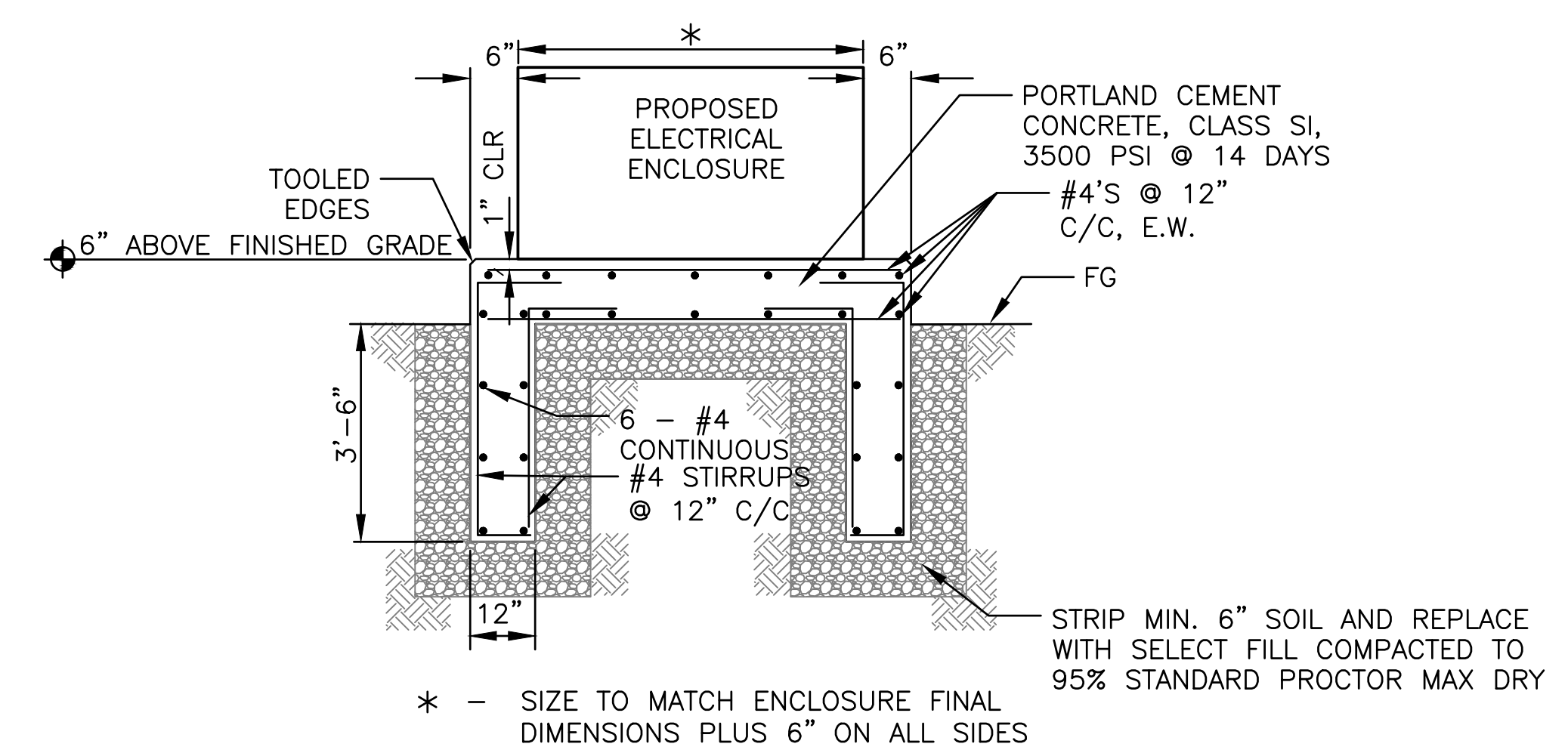
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1 8' PVC COATED CHAIN-LINK FENCE
 SCALE: NTS



2 16' PVC COATED DOUBLE SWING GATE
 SCALE: NTS



- NOTES:
1. VERIFY PAD AND FOUNDATION DIMENSIONS WITH ELECTRICAL ENCLOSURE MANUFACTURER.
 2. PITCH CONCRETE OUTSIDE OF ELECTRICAL ENCLOSURE TO PROMOTE POSITIVE DRAINAGE OFF PAD.
 3. APPLY UST SEALANT TAPE, AS MANUFACTURED BY EM SEAL, BETWEEN THE BOTTOM OF THE ELECTRICAL ENCLOSURE AND THE TOP OF THE CONCRETE PAD. AFTER ELECTRICAL ENCLOSURE IS SET, APPLY UV RESISTANCE SILICONE CAULK TO SEAL THE SPACE BETWEEN THE ELECTRICAL ENCLOSURE AND CONCRETE PAD.
 4. COORDINATE WITH ELECTRICAL ENCLOSURE MANUFACTURER ON CONDUIT AND ANCHOR BOLT LOCATIONS.

3 CONCRETE PAD WITH FOUNDATION
 SCALE: NTS

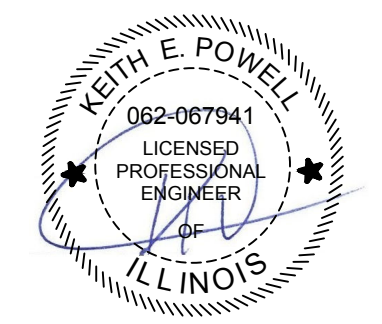
METROPOLITAN WATER RECLAMATION DISTRICT
 OF GREATER CHICAGO

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K.E.P.	C.B.	AS SHOWN
Drawn by:	Reviewed by:	Date:
J.P.S.	S.T.D.	2022
Correct:		

CONTRACT 11-187-3F
 ADDISON CREEK CHANNEL IMPROVEMENTS

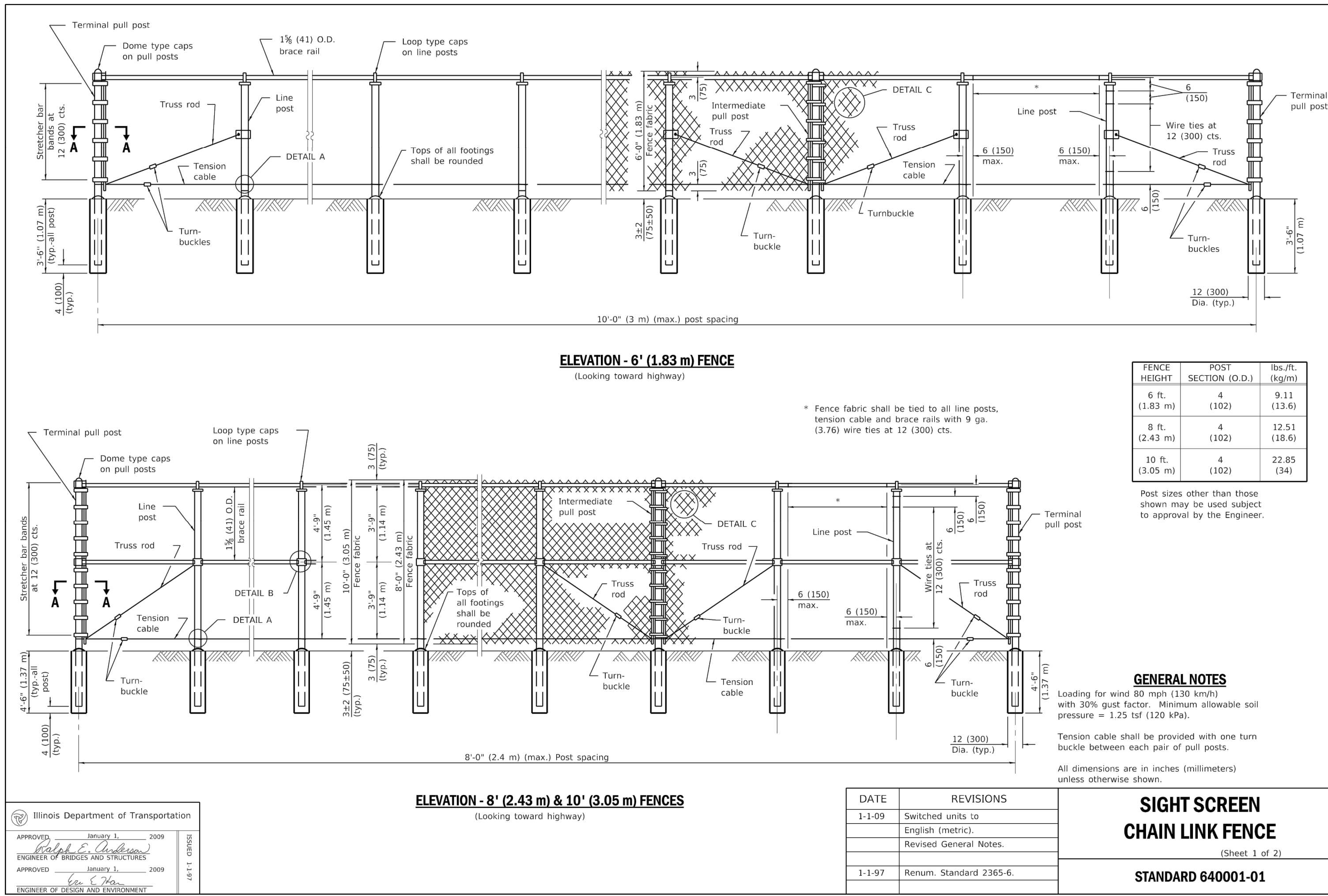
RESTORATION DETAILS

Sheet Number:
CR-508
 Page Number: 343



Engineering Enterprises, Inc.
 Consulting Engineers
 92 Wheeler Road
 Sugar Grove, Illinois 60554
 630.466.6700
 www.eeiweb.com
 ILLINOIS PROFESSIONAL
 ENGINEER
 LIC # 184-022003

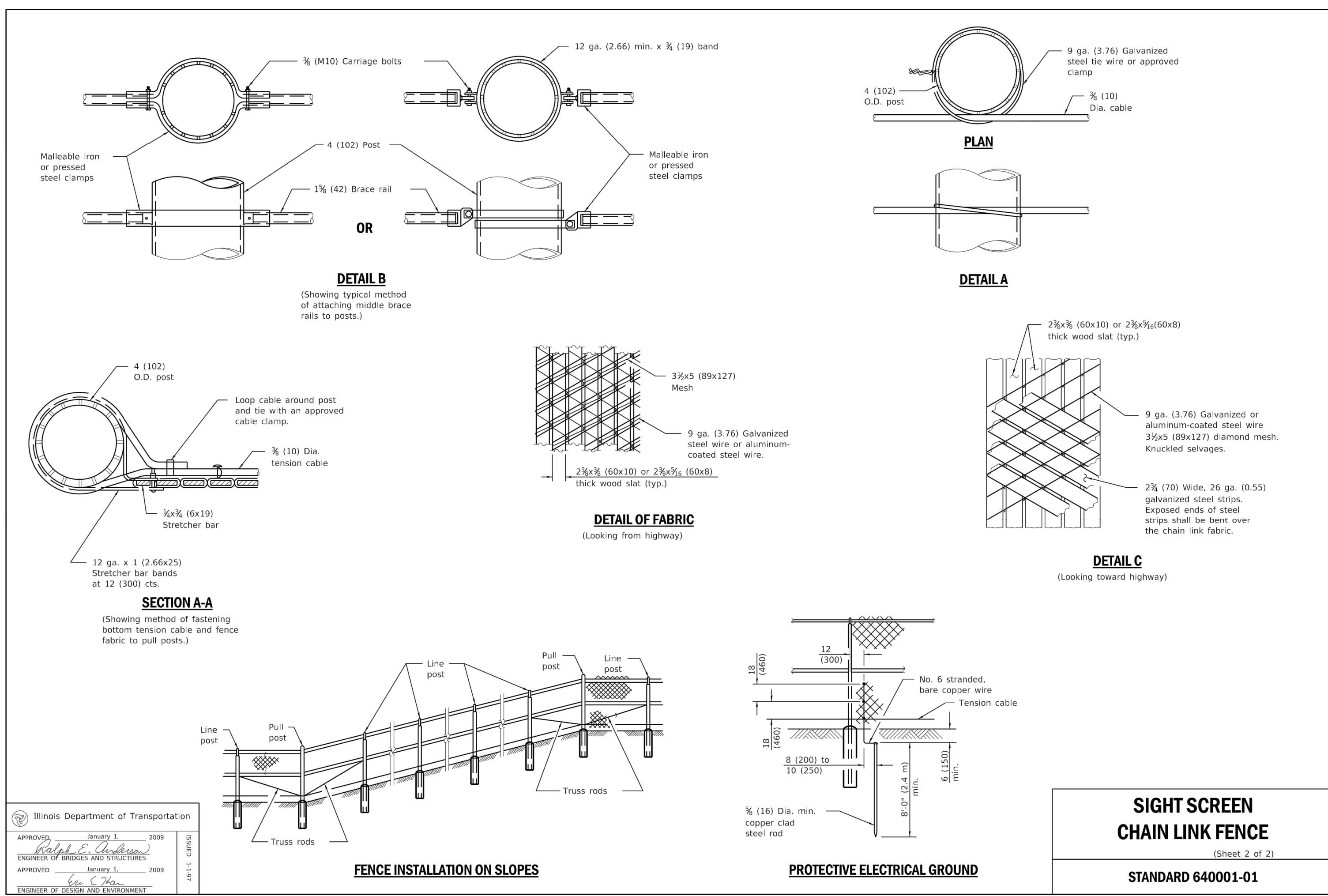
Rev.	Description	Appr.	Date



Illinois Department of Transportation
 APPROVED January 3, 2009
 ENGINEER OF BRIDGES AND STRUCTURES
 APPROVED January 3, 2009
 ENGINEER OF DESIGN AND ENVIRONMENT

DATE	REVISIONS
1-1-09	Switched units to English (metric). Revised General Notes.
1-1-97	Renum. Standard 2365-6.

SIGHT SCREEN CHAIN LINK FENCE
 (Sheet 1 of 2)
STANDARD 640001-01



1 SIGHT SCREEN CHAIN LINK FENCE
 SCALE: NTS

Illinois Department of Transportation
 APPROVED January 3, 2009
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 APPROVED January 3, 2009
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METROPOLITAN WATER RECLAMATION DISTRICT OF GREATER CHICAGO

Designed by: PML
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 Drawn by: CER
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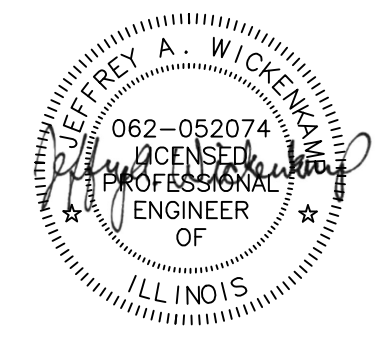
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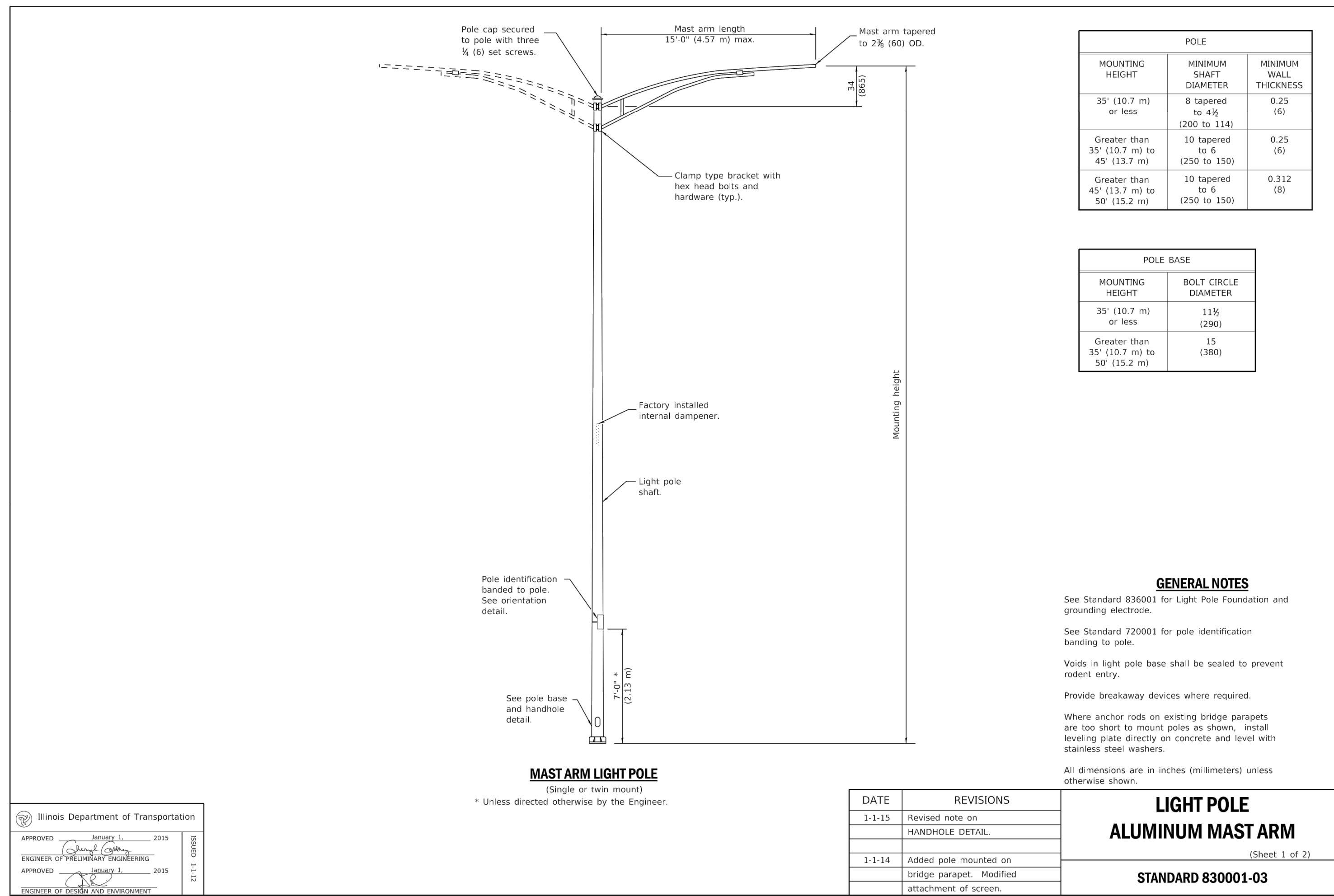
CONTRACT 11-187-3F
 ADDISON CREEK CHANNEL IMPROVEMENTS

RESTORATION DETAILS

Sheet Number:
CR-509
 Page Number: 344



Rev.	Description	Appr.	Date



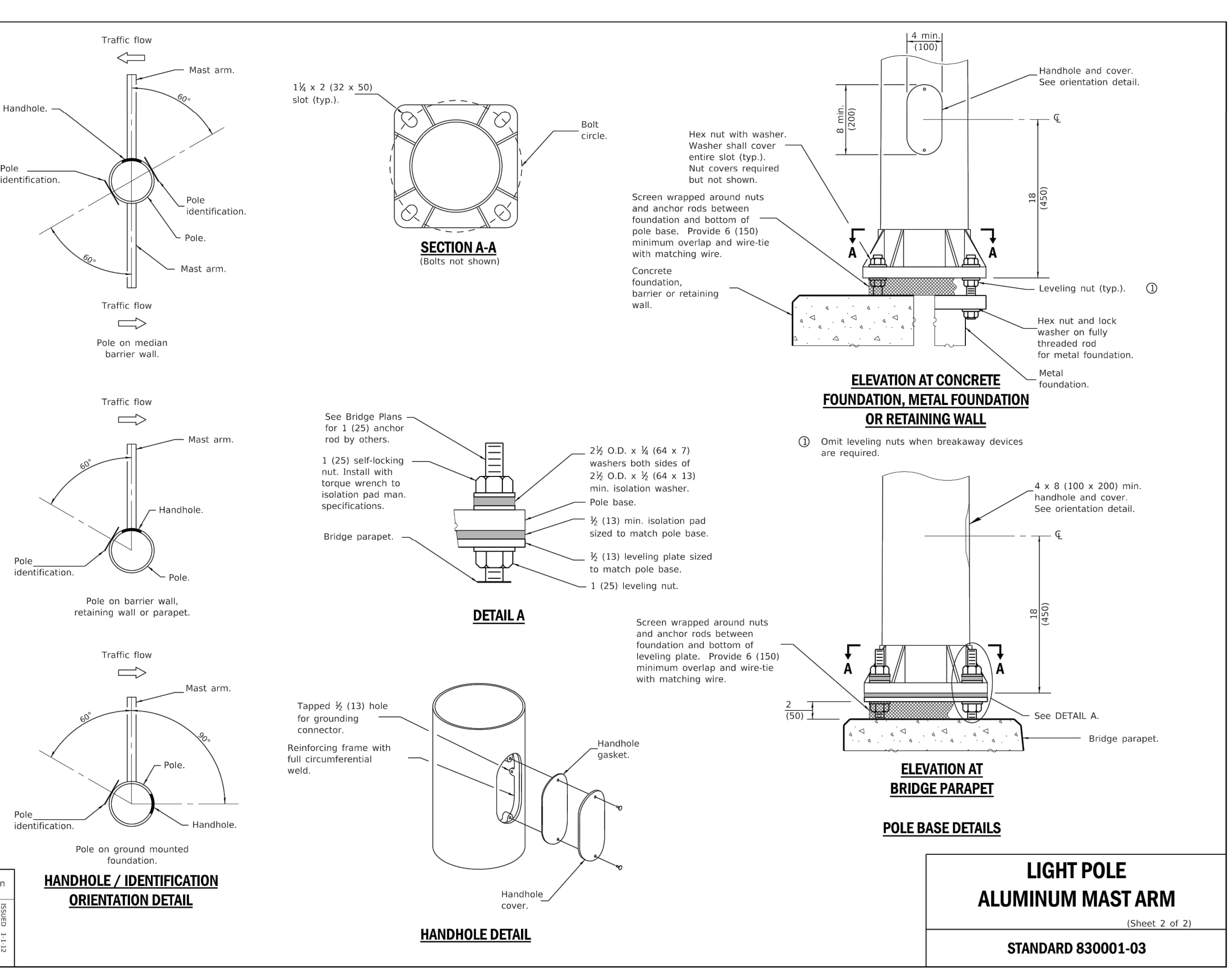
Illinois Department of Transportation
APPROVED: [Signature] 2015
ENGINEER OF PROFESSIONAL ENGINEERING
APPROVED: [Signature] 2015
ENGINEER OF DESIGN AND ENVIRONMENT

DATE	REVISIONS
1-1-15	Revised note on HANDHOLE DETAIL.
1-1-14	Added pole mounted on bridge parapet. Modified attachment of screen.

LIGHT POLE ALUMINUM MAST ARM
(Sheet 1 of 2)
STANDARD 830001-03

Illinois Department of Transportation
APPROVED: [Signature] 2015
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1 LIGHT POLE ALUMINUM MAST ARM
SCALE: NTS



Rev.	Description	Appr.	Date

METROPOLITAN WATER RECLAMATION DISTRICT OF GREATER CHICAGO

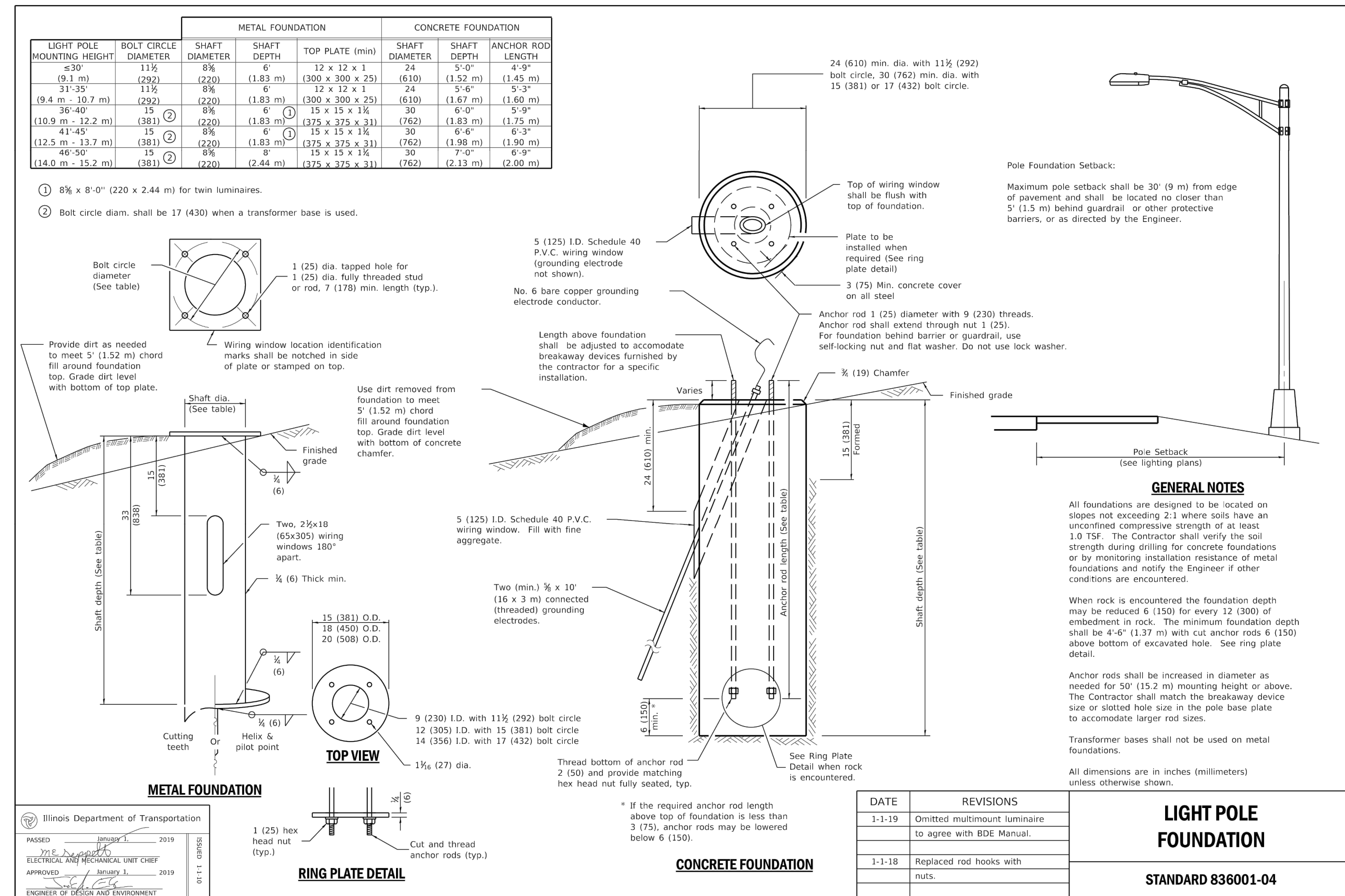
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Scale: AS SHOWN

Engineering Enterprises, Inc.
Consulting Engineers
92 Wheeler Road
Sugar Grove, Illinois 60554
630.466.6700
www.eeiweb.com

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Reviewed by: JAW
Date: 2022

Correct:

Illinois Professional Engineer License No. 062-052074
A. WICKENHAUSE
ILLINOIS PROFESSIONAL ENGINEER



Illinois Department of Transportation
PASSED: [Signature] 2019
ELECTRICAL AND MECHANICAL UNIT CHIEF
APPROVED: [Signature] 2019
ENGINEER OF DESIGN AND ENVIRONMENT

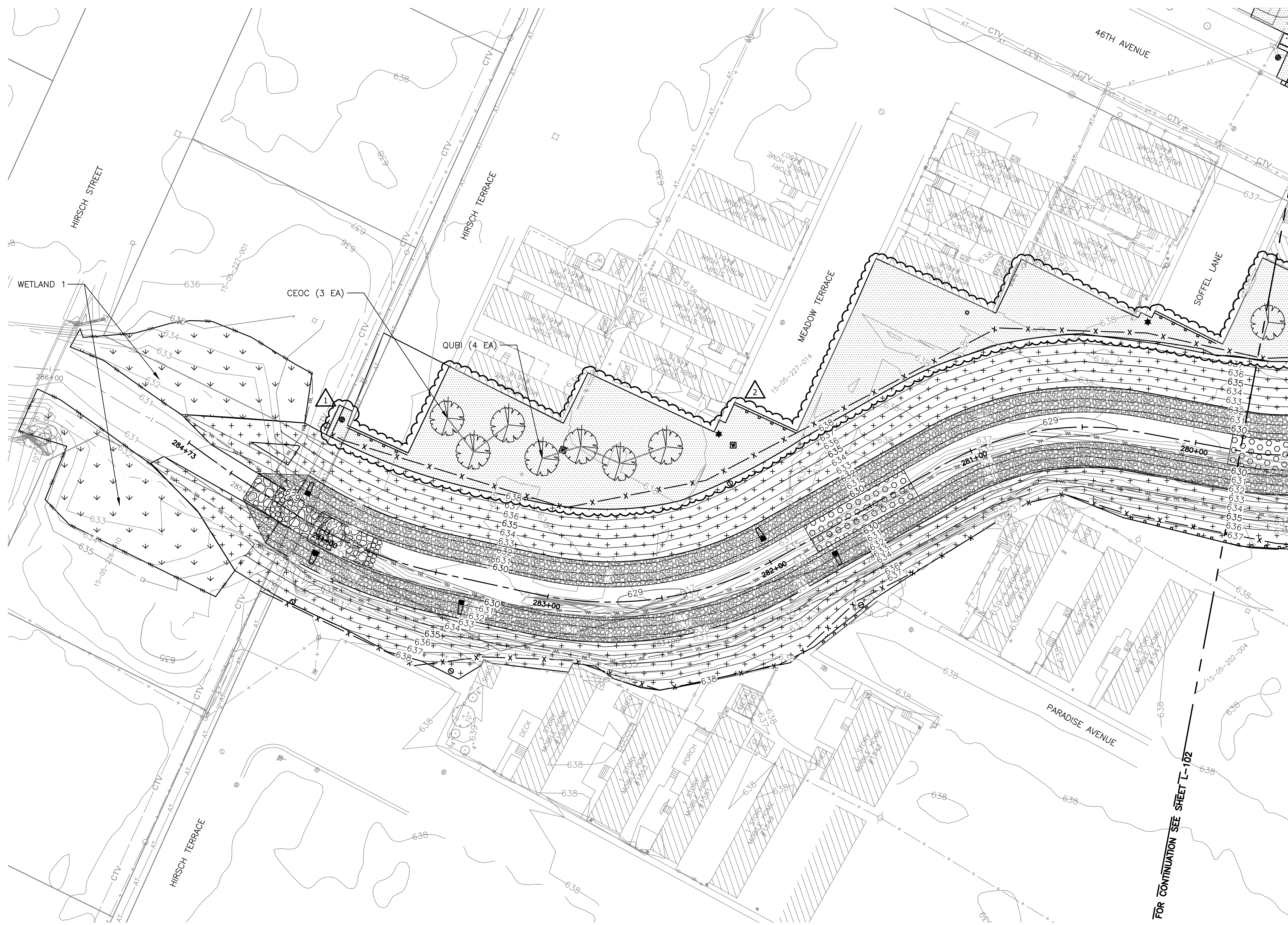
DATE	REVISIONS
1-1-19	Omitted multimount luminaire to agree with BDE Manual.
1-1-18	Replaced rod hooks with nuts.

2 LIGHT POLE FOUNDATION
SCALE: NTS

CONTRACT 11-187-3F
ADDISON CREEK CHANNEL IMPROVEMENTS

RESTORATION DETAILS

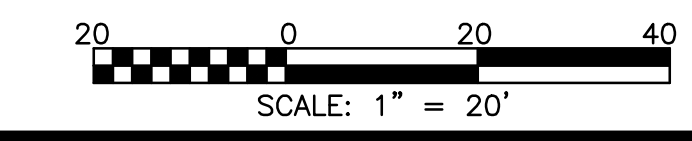
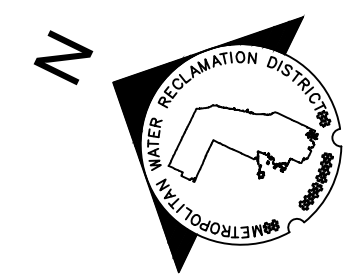
Sheet Number: CR-510
Page Number: 345



LANDSCAPE LEGEND

- EXISTING WETLAND
- TURF SEED
6 IN. TOPSOIL
EROSION CONTROL
BLANKET
- STREAMBANK SEED
6 IN. TOPSOIL
EROSION CONTROL
BLANKET
- SOD, SALT TOLERANT
6 IN. TOPSOIL
- PERENNIAL PLANTS
(SEE DETAIL 2 SHEET
L-501)
- HMA TRAIL
- PCC SIDEWALK
- PROPOSED TREE
(SEE DETAIL 1 SHEET
L-501)
- PROPOSED EVERGREEN
TREE (SEE DETAIL 1
SHEET L-501)
- PROPOSED SHRUB
(SEE DETAIL 1 SHEET
L-501)
- PROPOSED TRASH
RECEPTACLE
- PROPOSED OR
REINSTALLED DRINKING
FOUNTAIN
- PROPOSED BENCH
- WOOD FENCE

NOTES:
 1. REFER TO L-501 FOR PLANTING SCHEDULE AND SEEDING SCHEDULE.
 2. CONTRACTOR TO INSTALL A TOTAL OF 275 SIGNS AS SHOWN ON DETAIL 4 ON SHEET L-501 AT LOCATIONS DIRECTED BY THE ENGINEER.



Rev.	Description	Appr.	Date
1	ADDENDUM NO. 7	TRP	05/07/23
2	ADDENDUM NO. 8	TRP	05/24/23

**METROPOLITAN WATER RECLAMATION DISTRICT
OF GREATER CHICAGO**

Scale: AS SHOWN

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Drawn by: KSS	Reviewed by: JAW	
Correct:		

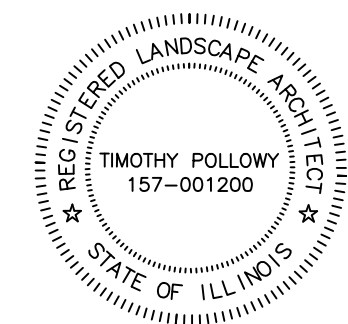
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 Engineering, Ecology and Landscape Architecture
 CHICAGO, ILLINOIS 60631
 OFFICE (773) 699-9200
 CHICAGO@HEYANDASSOCIATES.COM
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 LICENSE NO. 184004289

CONTRACT 11-187-3F
 ADDISON CREEK CHANNEL IMPROVEMENTS

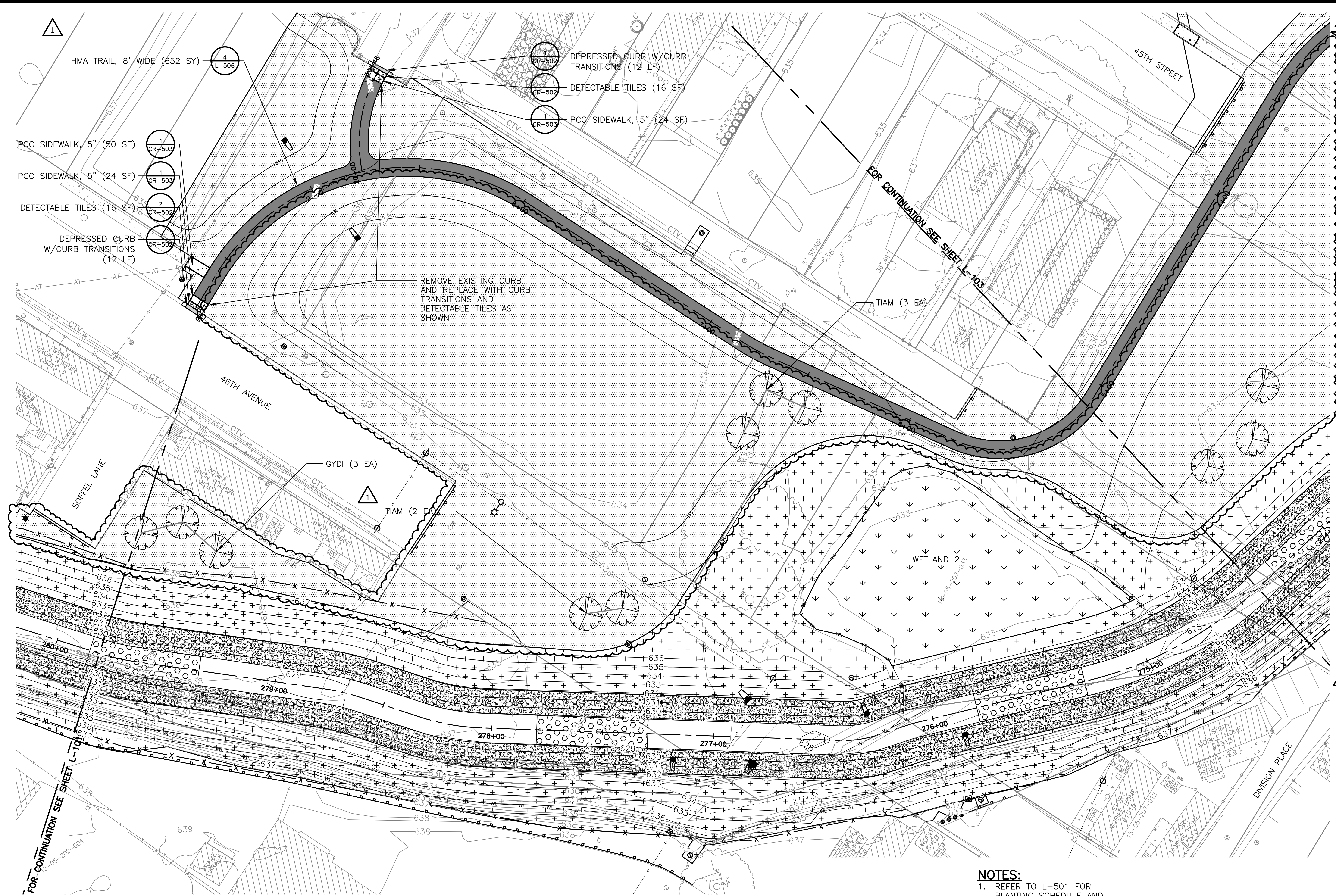
LANDSCAPE PLAN - REACH 1
 STA. 284+72 TO STA. 279+80

Sheet Number:
L-101

Page Number: 346



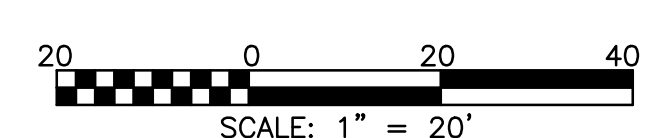
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 PLOT DATE: 5/23/2023 2:02 PM PLOTTED BY: KYLE SOLNER



LANDSCAPE LEGEND

- | | | | | | |
|----------------------------------------------------------|----------------------------------------------------------------|---------------------------------------------------|------------------------------------------------|----------------------------------------------------------|-------------------------------------------------|
| EXISTING WETLAND | STREAMBANK SEED
6 IN. TOPSOIL
EROSION CONTROL
BLANKET | PERENNIAL PLANTS
(SEE DETAIL 2 SHEET
L-501) | PCC SIDEWALK | PROPOSED EVERGREEN
TREE (SEE DETAIL 1
SHEET L-501) | PROPOSED TRASH
RECEPTACLE |
| TURF SEED
6 IN. TOPSOIL
EROSION CONTROL
BLANKET | SOD, SALT TOLERANT
6 IN. TOPSOIL | HMA TRAIL | PROPOSED TREE
(SEE DETAIL 1 SHEET
L-501) | PROPOSED SHRUB
(SEE DETAIL 1 SHEET
L-501) | PROPOSED OR
REINSTALLED
DRINKING FOUNTAIN |
| | | | | PROPOSED BENCH | WOOD FENCE |

- NOTES:**
- REFER TO L-501 FOR PLANTING SCHEDULE AND SEEDING SCHEDULE.
 - CONTRACTOR TO INSTALL A TOTAL OF 275 SIGNS AS SHOWN ON DETAIL 4 ON SHEET L-501 AT LOCATIONS DIRECTED BY THE ENGINEER.



Rev.	Description	Appr.	Date
1	ADDENDUM NO. 7	TRP	05/07/23
2	ADDENDUM NO. 8	TRP	05/24/23

**METROPOLITAN WATER RECLAMATION DISTRICT
OF GREATER CHICAGO**

Scale: AS SHOWN

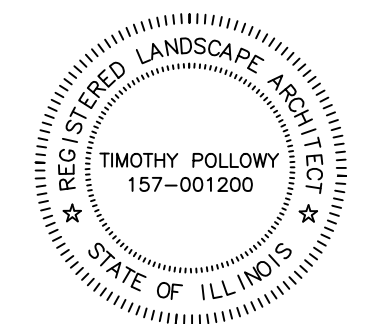
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Correct:	Date: 2022

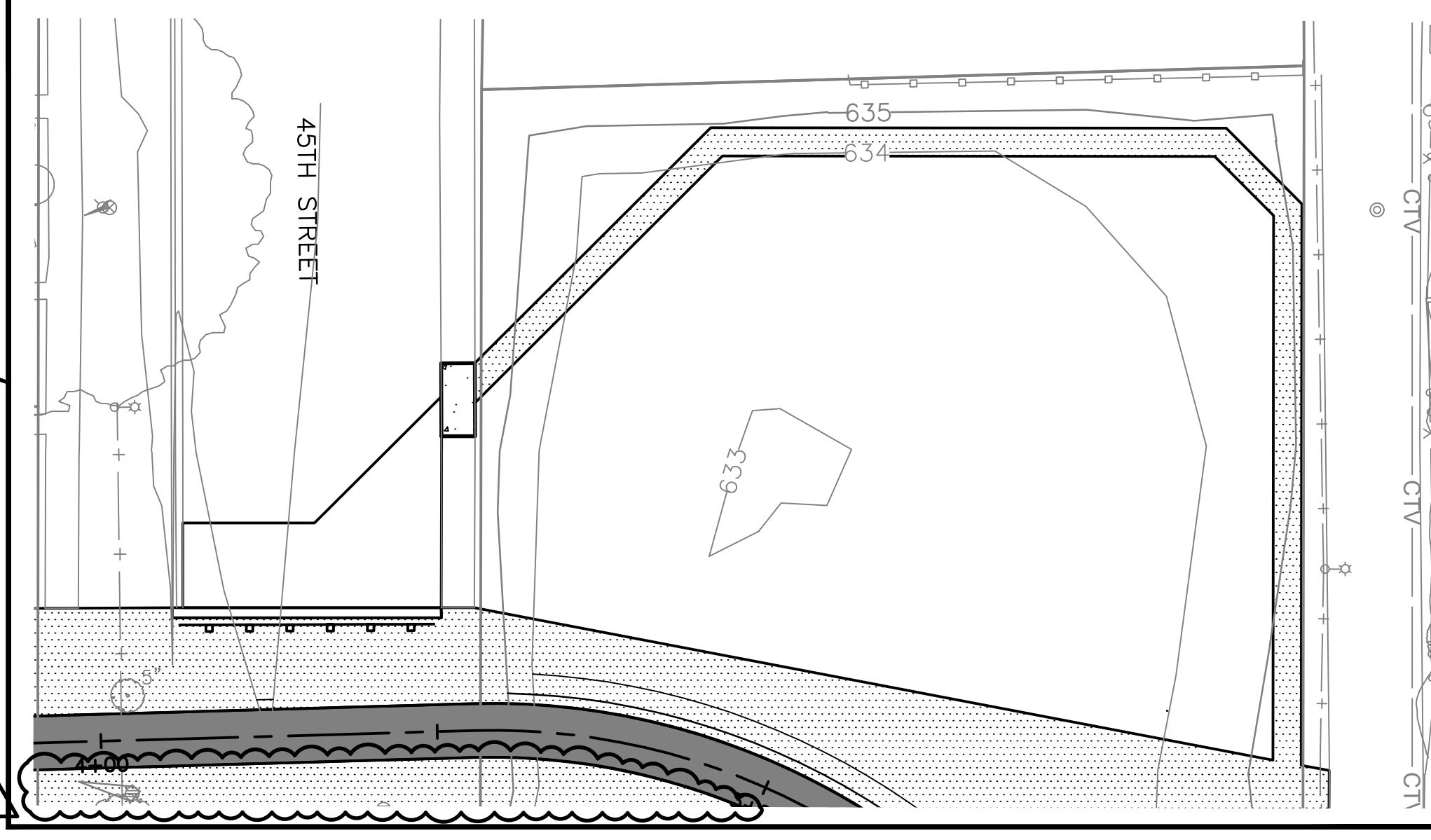
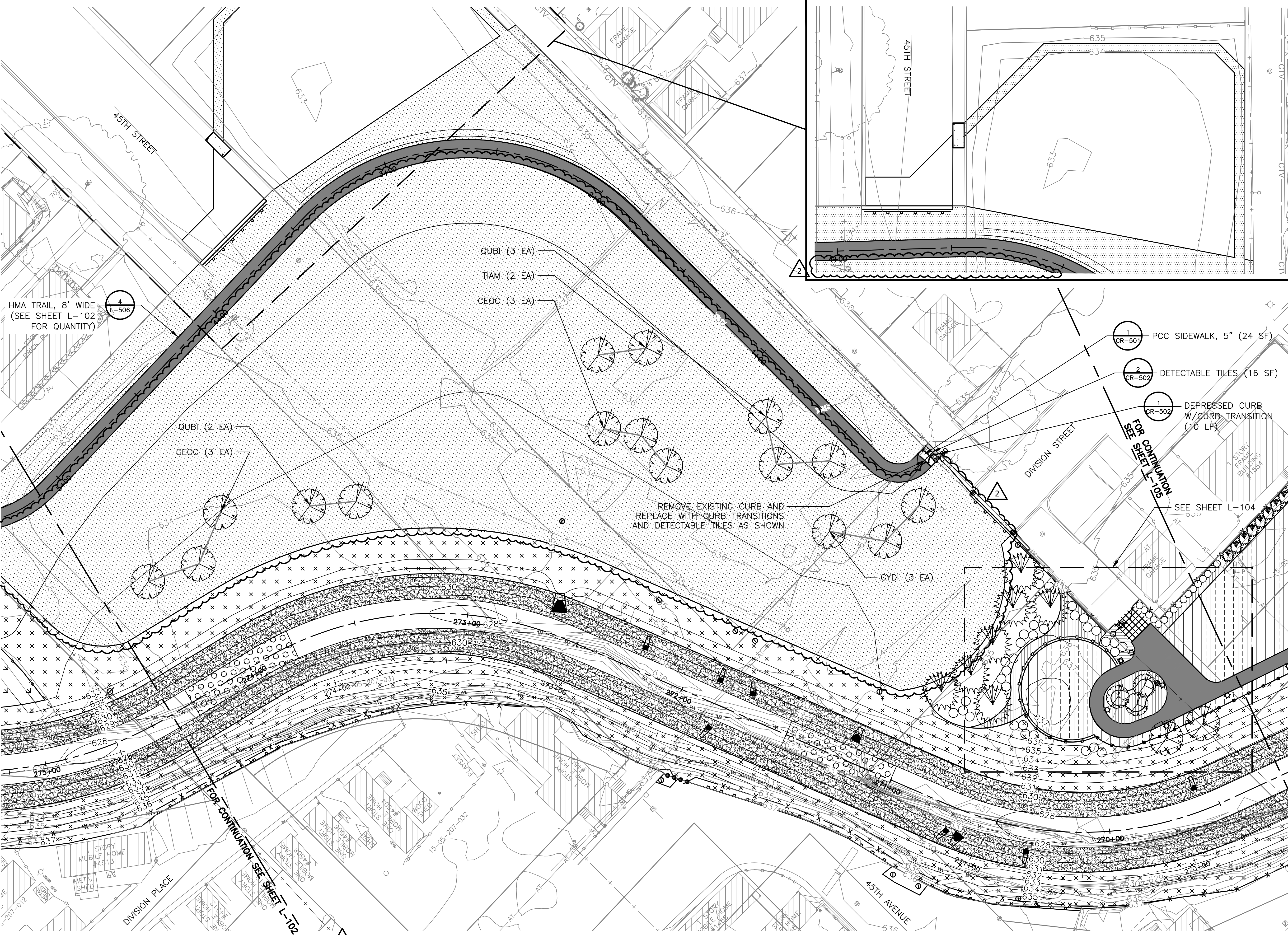
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 Engineering, Ecology and Landscape Architecture
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 CHICAGO@HEYASAC.COM
 PROFESSIONAL DESIGNER, FIRM LICENSE NO. 184002829

CONTRACT 11-187-3F
 ADDISON CREEK CHANNEL IMPROVEMENTS

LANDSCAPE PLAN - REACH 1
 STA. 279+80 TO STA. 274+40

Sheet Number:
L-102
 Page Number: 347





LANDSCAPE LEGEND

- EXISTING WETLAND
- TURF SEED
6 IN. TOPSOIL
EROSION CONTROL
BLANKET
- STREAMBANK SEED
6 IN. TOPSOIL
EROSION CONTROL
BLANKET
- SOD, SALT TOLERANT
6 IN. TOPSOIL
- PERENNIAL PLANTS
(SEE DETAIL 2 SHEET
L-501)
- HMA TRAIL
- PCC SIDEWALK
- PROPOSED TREE
(SEE DETAIL 1 SHEET
L-501)
- PROPOSED EVERGREEN
TREE (SEE DETAIL 1
SHEET L-501)
- PROPOSED SHRUB
(SEE DETAIL 1 SHEET
L-501)
- PROPOSED TRASH
RECEPTACLE
- PROPOSED OR
REINSTALLED DRINKING
FOUNTAIN
- PROPOSED BENCH
- WOOD FENCE

- NOTES:**
- REFER TO L-501 FOR PLANTING SCHEDULE AND SEEDING SCHEDULE.
 - CONTRACTOR TO INSTALL A TOTAL OF 275 SIGNS AS SHOWN ON DETAIL 4 ON SHEET L-501 AT LOCATIONS DIRECTED BY THE ENGINEER.

Rev.	Description	Appr.	Date
1	ADDENDUM NO. 7	TRP	05/07/23
2	ADDENDUM NO. 8	TRP	05/24/23

**METROPOLITAN WATER RECLAMATION DISTRICT
OF GREATER CHICAGO**

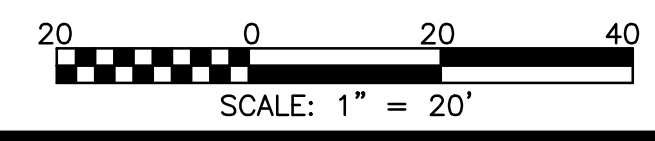
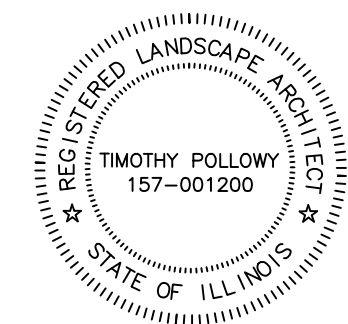
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 OFFICE (773) 699-9200
 CHICAGO@HEYASNC.COM

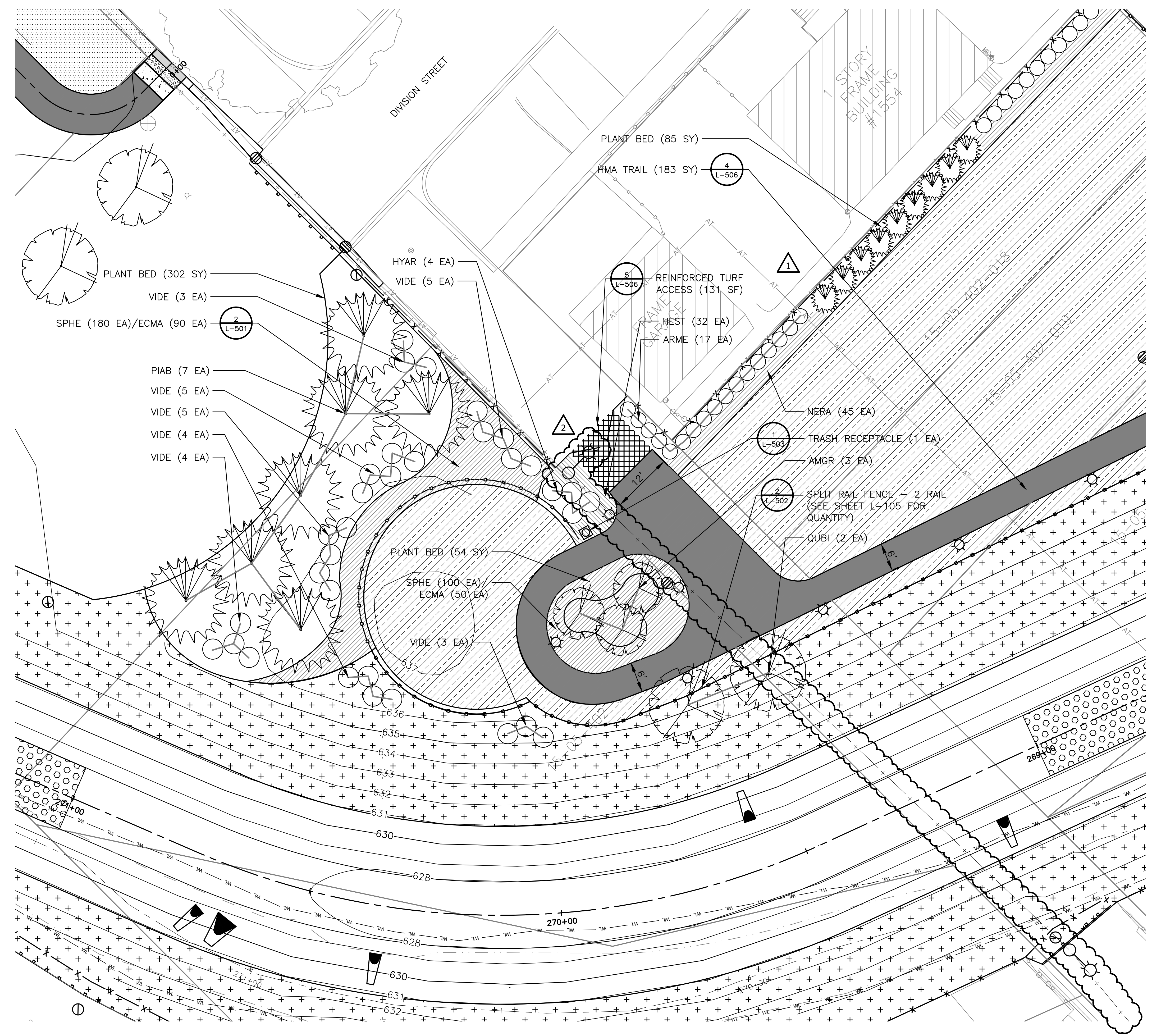
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Designed by:	TRP	Checked by:	AS SHOWN
Drawn by:	KSS	Reviewed by:	JAW
Correct:			

CONTRACT 11-187-3F
 ADDISON CREEK CHANNEL IMPROVEMENTS

LANDSCAPE PLAN - REACH 1
 STA. 274+40 TO STA. 269+20

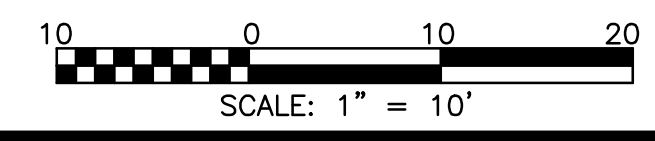
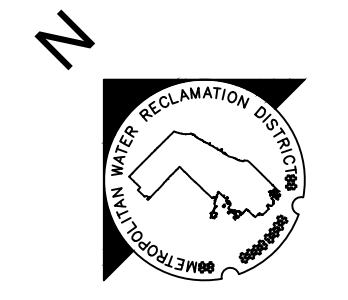




LANDSCAPE LEGEND

- EXISTING WETLAND
- TURF SEED
6 IN. TOPSOIL
EROSION CONTROL
BLANKET
- STREAMBANK SEED
6 IN. TOPSOIL
EROSION CONTROL
BLANKET
- SOD, SALT TOLERANT
6 IN. TOPSOIL
- PERENNIAL PLANTS
(SEE DETAIL 2 SHEET
L-501)
- HMA TRAIL
- PCC SIDEWALK
- PROPOSED TREE
(SEE DETAIL 1 SHEET
L-501)
- PROPOSED EVERGREEN
TREE (SEE DETAIL 1
SHEET L-501)
- PROPOSED SHRUB
(SEE DETAIL 1 SHEET
L-501)
- PROPOSED TRASH
RECEPTACLE
- PROPOSED OR
REINSTALLED DRINKING
FOUNTAIN
- PROPOSED BENCH
- WOOD FENCE

NOTES:
 1. REFER TO L-501 FOR PLANTING SCHEDULE AND SEEDING SCHEDULE.
 2. CONTRACTOR TO INSTALL A TOTAL OF 275 SIGNS AS SHOWN ON DETAIL 4 ON SHEET L-501 AT LOCATIONS DIRECTED BY THE ENGINEER.



Rev.	Description	Appr.	Date
1	ADDENDUM NO. 2	TRP	01/06/23
2	ADDENDUM NO. 7	TRP	05/01/23

METROPOLITAN WATER RECLAMATION DISTRICT OF GREATER CHICAGO

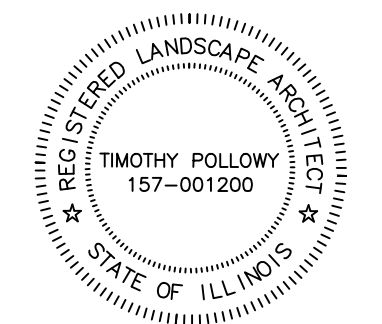
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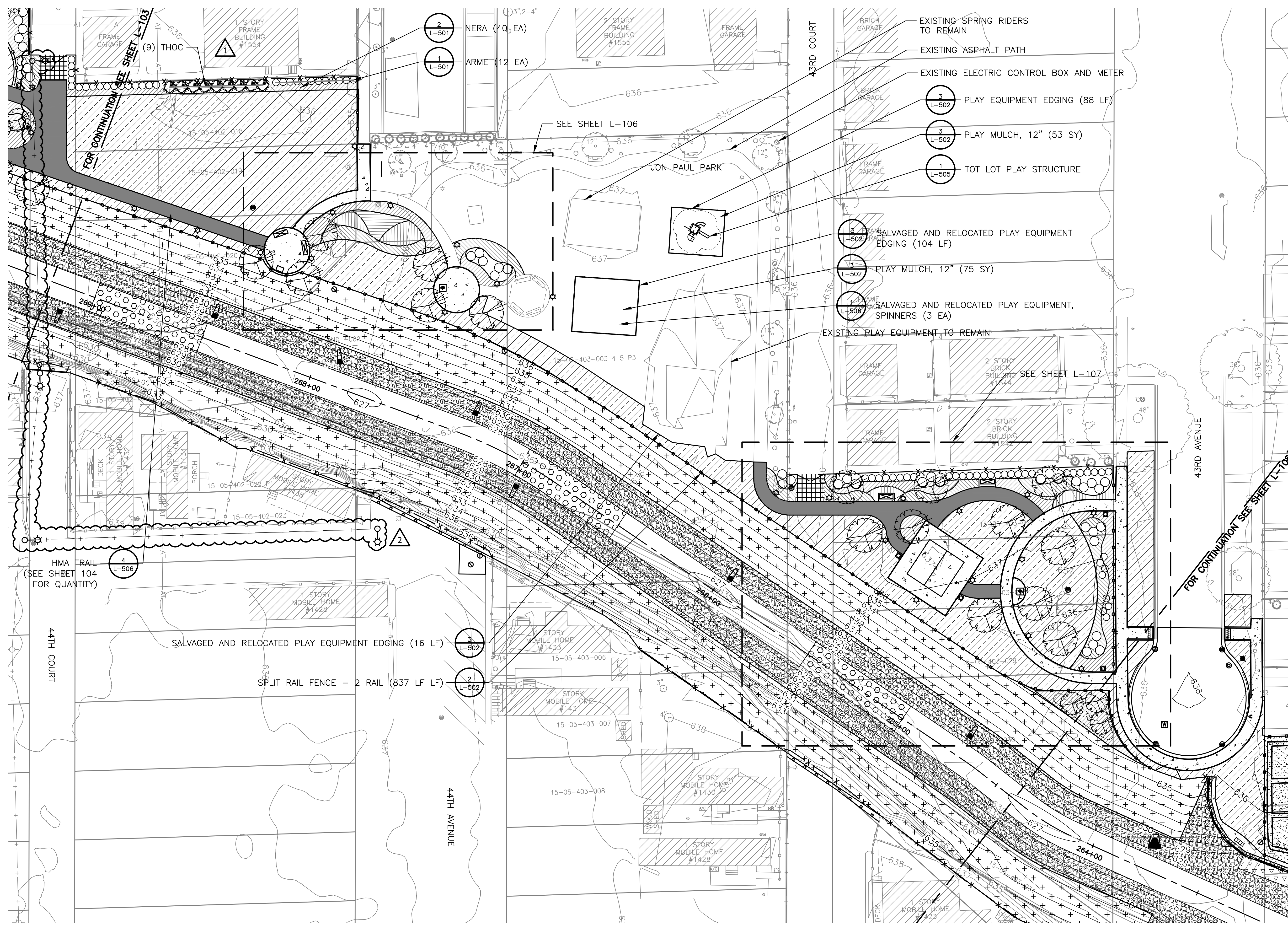
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 OFFICE: (773) 699-9200
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CONTRACT 11-187-3F
 ADDISON CREEK CHANNEL IMPROVEMENTS

LANDSCAPE PLAN - REACH 1 - DETAIL
 STA. 271+00 TO STA. 269+00

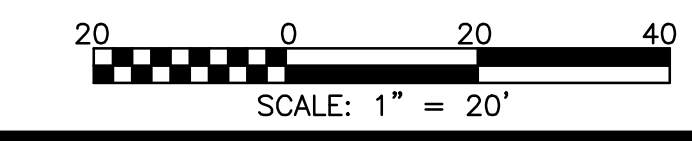
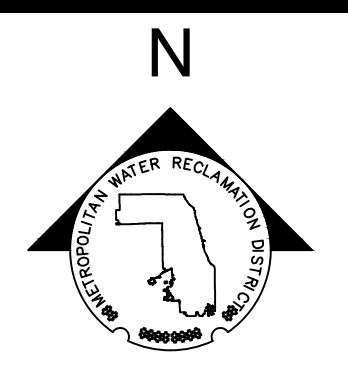




LANDSCAPE LEGEND

- EXISTING WETLAND
- TURF SEED
6 IN. TOPSOIL
EROSION CONTROL
BLANKET
- STREAMBANK SEED
6 IN. TOPSOIL
EROSION CONTROL
BLANKET
- SOD, SALT TOLERANT
6 IN. TOPSOIL
- PERENNIAL PLANTS
(SEE DETAIL 2 SHEET
L-501)
- HMA TRAIL
- PCC SIDEWALK
- PROPOSED TREE
(SEE DETAIL 1 SHEET
L-501)
- PROPOSED EVERGREEN
TREE (SEE DETAIL 1
SHEET L-501)
- PROPOSED SHRUB
(SEE DETAIL 1 SHEET
L-501)
- PROPOSED TRASH
RECEPTACLE
- PROPOSED OR
REINSTALLED DRINKING
FOUNTAIN
- PROPOSED BENCH
- WOOD FENCE

NOTES:
 1. REFER TO L-501 FOR PLANTING SCHEDULE AND SEEDING SCHEDULE.
 2. CONTRACTOR TO INSTALL A TOTAL OF 275 SIGNS AS SHOWN ON DETAIL 4 ON SHEET L-501 AT LOCATIONS DIRECTED BY THE ENGINEER.



Rev.	Description	Appr.	Date
1	ADDENDUM NO. 2	TRP	01/06/23
2	ADDENDUM NO. 7	TRP	05/01/23

**METROPOLITAN WATER RECLAMATION DISTRICT
OF GREATER CHICAGO**

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 Checked by: TRP
 Drawn by: KSS
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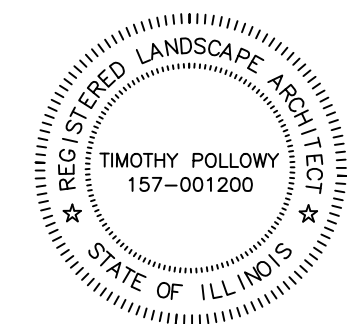
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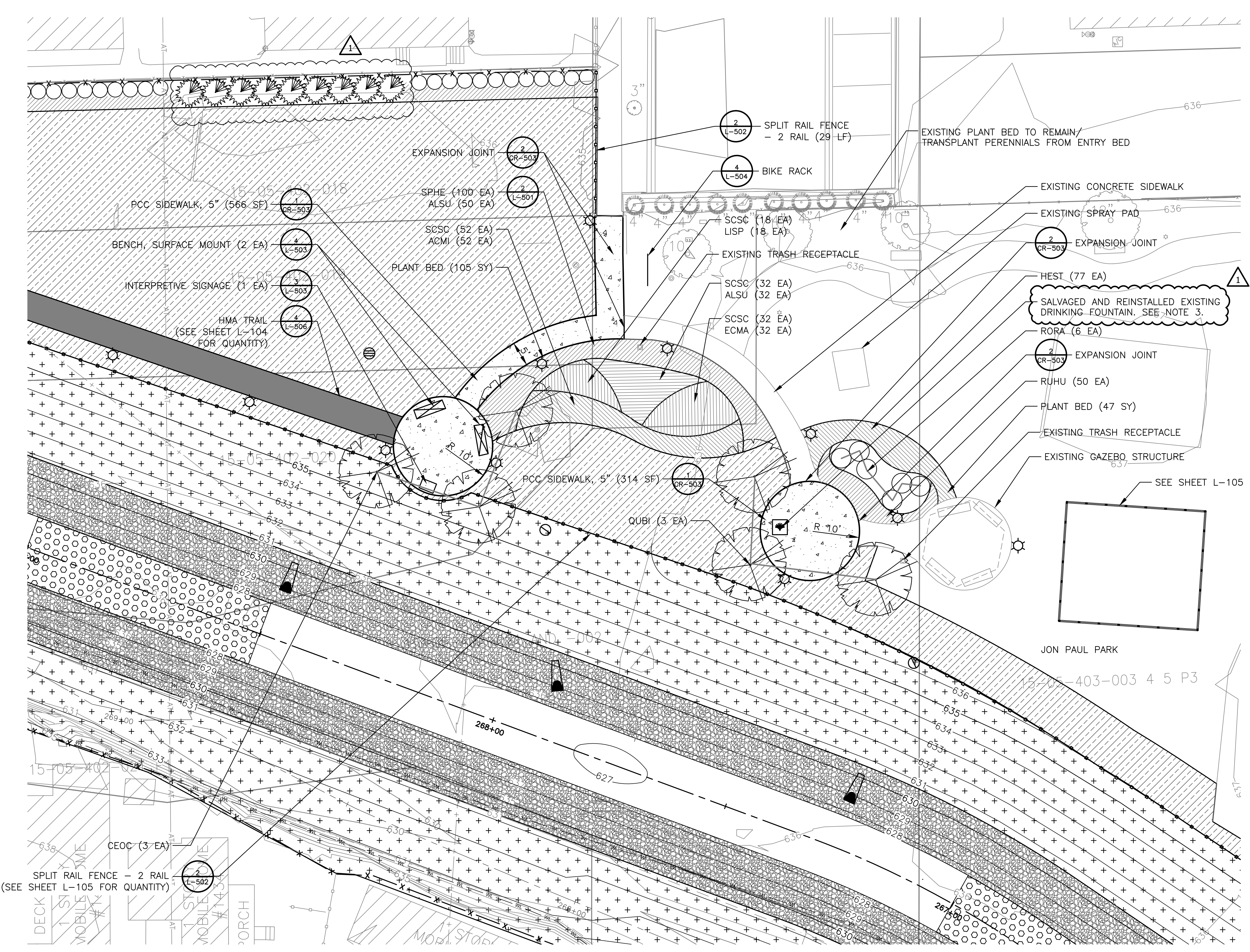
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 LICENSE NO. 184002829

CONTRACT 11-187-3F
 ADDISON CREEK CHANNEL IMPROVEMENTS

LANDSCAPE PLAN - REACH 1
 STA. 269+20 TO STA. 264+40

Sheet Number:
L-105
 Page Number: 350

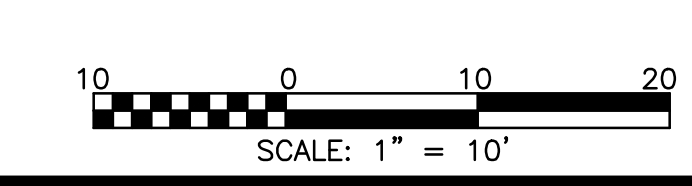
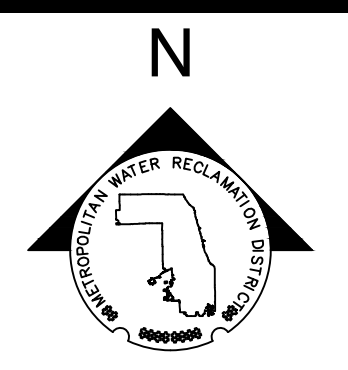




LANDSCAPE LEGEND

- EXISTING WETLAND
- TURF SEED
6 IN. TOPSOIL
EROSION CONTROL
BLANKET
- STREAMBANK SEED
6 IN. TOPSOIL
EROSION CONTROL
BLANKET
- SOD, SALT TOLERANT
6 IN. TOPSOIL
- PERENNIAL PLANTS
(SEE DETAIL 2 SHEET
L-501)
- HMA TRAIL
- PCC SIDEWALK
- PROPOSED TREE
(SEE DETAIL 1 SHEET
L-501)
- PROPOSED EVERGREEN
TREE (SEE DETAIL 1
SHEET L-501)
- PROPOSED SHRUB
(SEE DETAIL 1 SHEET
L-501)
- PROPOSED TRASH
RECEPTACLE
- PROPOSED OR
REINSTALLED DRINKING
FOUNTAIN
- PROPOSED BENCH
- WOOD FENCE

- NOTES:**
1. REFER TO L-501 FOR PLANTING SCHEDULE AND SEEDING SCHEDULE.
 2. CONTRACTOR TO INSTALL A TOTAL OF 275 SIGNS AS SHOWN ON DETAIL 4 ON SHEET L-501 AT LOCATIONS DIRECTED BY THE ENGINEER.
 3. CONTRACTOR TO VERIFY EXISTING WATER DISTRIBUTION LINES FOR DRINKING FOUNTAIN AND SUBMIT SHOP DRAWINGS OF PROPOSED PIPING AND APPURTENANCES FOR THE PROPOSED RELOCATION IN ACCORDANCE WITH THE SPECIFICATIONS. DRINKING FOUNTAIN TO BE CONNECTED TO EXISTING WATER SERVICE FOR THE EXISTING DRINKING FOUNTAIN TO BE REMOVED AND SALVAGED.



Rev.	Description	Appr.	Date
1	ADDENDUM NO. 2	TRP	01/06/23

**METROPOLITAN WATER RECLAMATION DISTRICT
OF GREATER CHICAGO**

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 Engineering, Ecology and Landscape Architecture
 CHICAGO, ILLINOIS 60631
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 CHICAGO@HEYANDASSOCIATES.COM

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 Checked by: TRP
 Drawn by: KSS
 Correct:

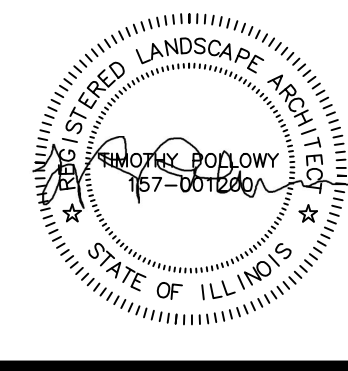
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CONTRACT 11-187-3F
 ADDISON CREEK CHANNEL IMPROVEMENTS

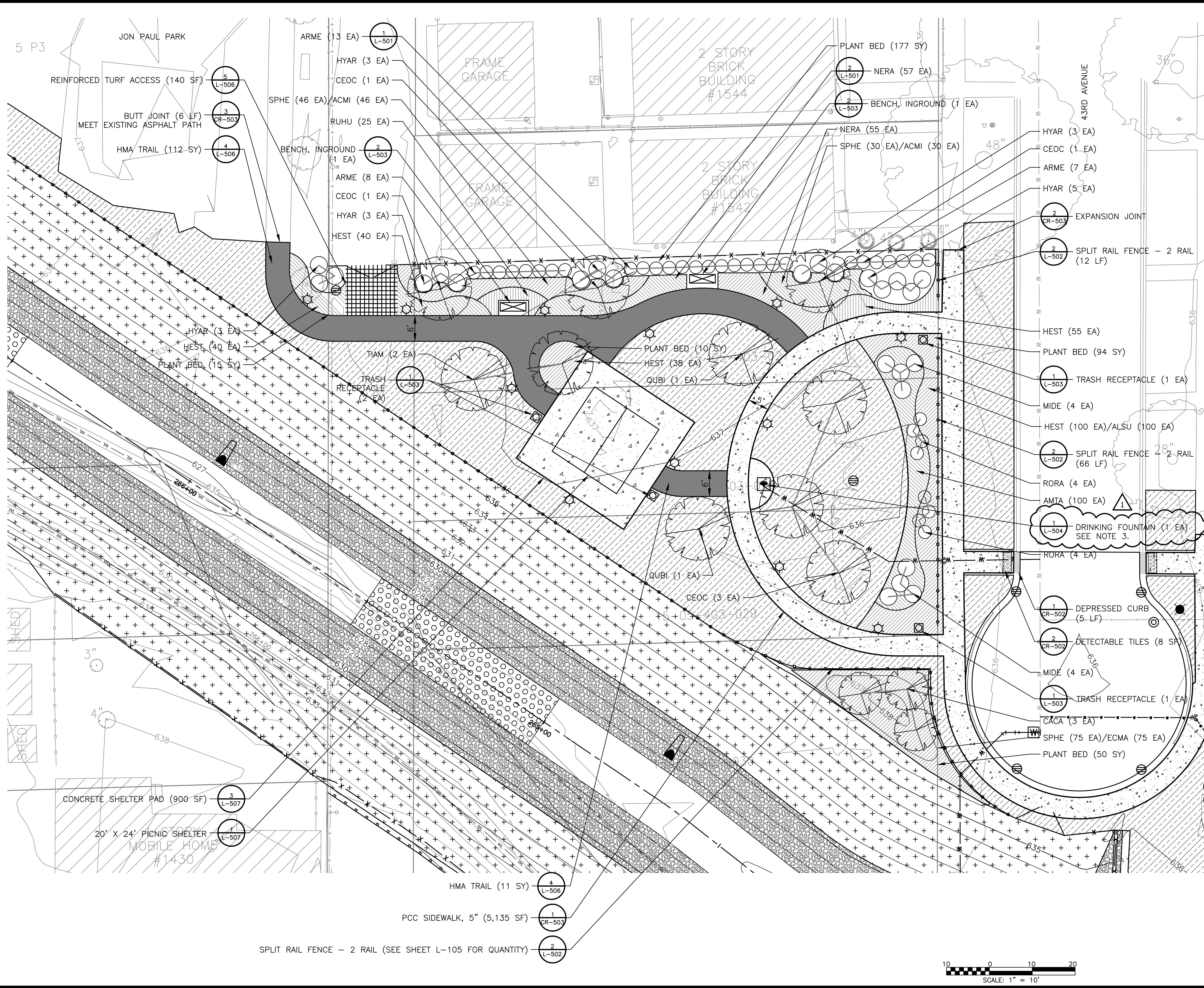
LANDSCAPE PLAN - REACH 1 - DETAIL
 STA. 267+00 TO STA. 268+00

Sheet Number:
L-106

Page Number: 351



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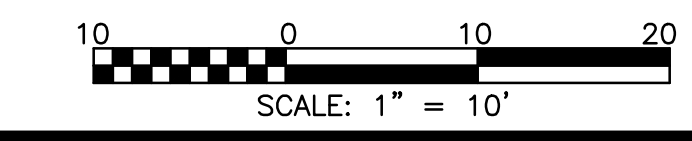
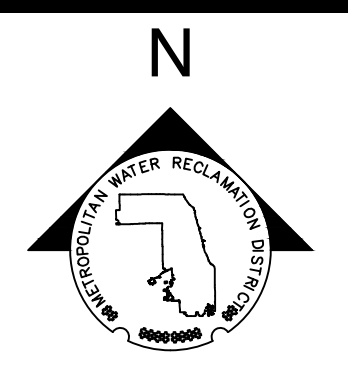


LANDSCAPE LEGEND

- EXISTING WETLAND
- TURF SEED
6 IN. TOPSOIL
EROSION CONTROL
BLANKET
- STREAMBANK SEED
6 IN. TOPSOIL
EROSION CONTROL
BLANKET
- SOD, SALT TOLERANT
6 IN. TOPSOIL
- PERENNIAL PLANTS
(SEE DETAIL 2 SHEET
L-501)
- HMA TRAIL
- PCC SIDEWALK
- PROPOSED TREE
(SEE DETAIL 1 SHEET
L-501)
- PROPOSED EVERGREEN
TREE (SEE DETAIL 1
SHEET L-501)
- PROPOSED SHRUB
(SEE DETAIL 1 SHEET
L-501)
- PROPOSED TRASH
RECEPTACLE
- PROPOSED OR
REINSTALLED DRINKING
FOUNTAIN
- PROPOSED BENCH
- WOOD FENCE

NOTES:

- REFER TO L-501 FOR PLANTING SCHEDULE AND SEEDING SCHEDULE.
- CONTRACTOR TO INSTALL A TOTAL OF 275 SIGNS AS SHOWN ON DETAIL 4 ON SHEET L-501 AT LOCATIONS DIRECTED BY THE ENGINEER.
- CONTRACTOR TO SUBMIT SHOP DRAWINGS OF PROPOSED PIPING AND APPURTENANCES FOR THE PROPOSED DRINKING FOUNTAIN IN ACCORDANCE WITH THE SPECIFICATIONS. DRINKING FOUNTAIN TO BE CONNECTED TO NEW WATER SERVICE SHOWN ON SHEET CU-107.



Rev.	Description	Appr.	Date
1	ADDENDUM NO. 2	TRP	01/06/23

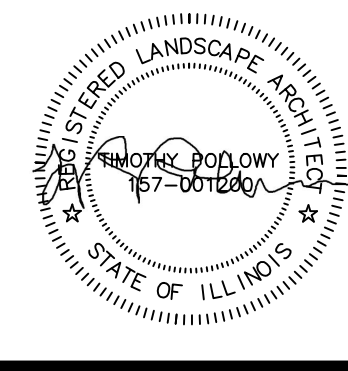
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		Drawn by: KSS	Reviewed by: JAW	Date: 2022
		Correct:		

CONTRACT 11-187-3F
 ADDISON CREEK CHANNEL IMPROVEMENTS

LANDSCAPE PLAN - REACH 1 - DETAIL
 STA. 266+00 TO STA. 264+00

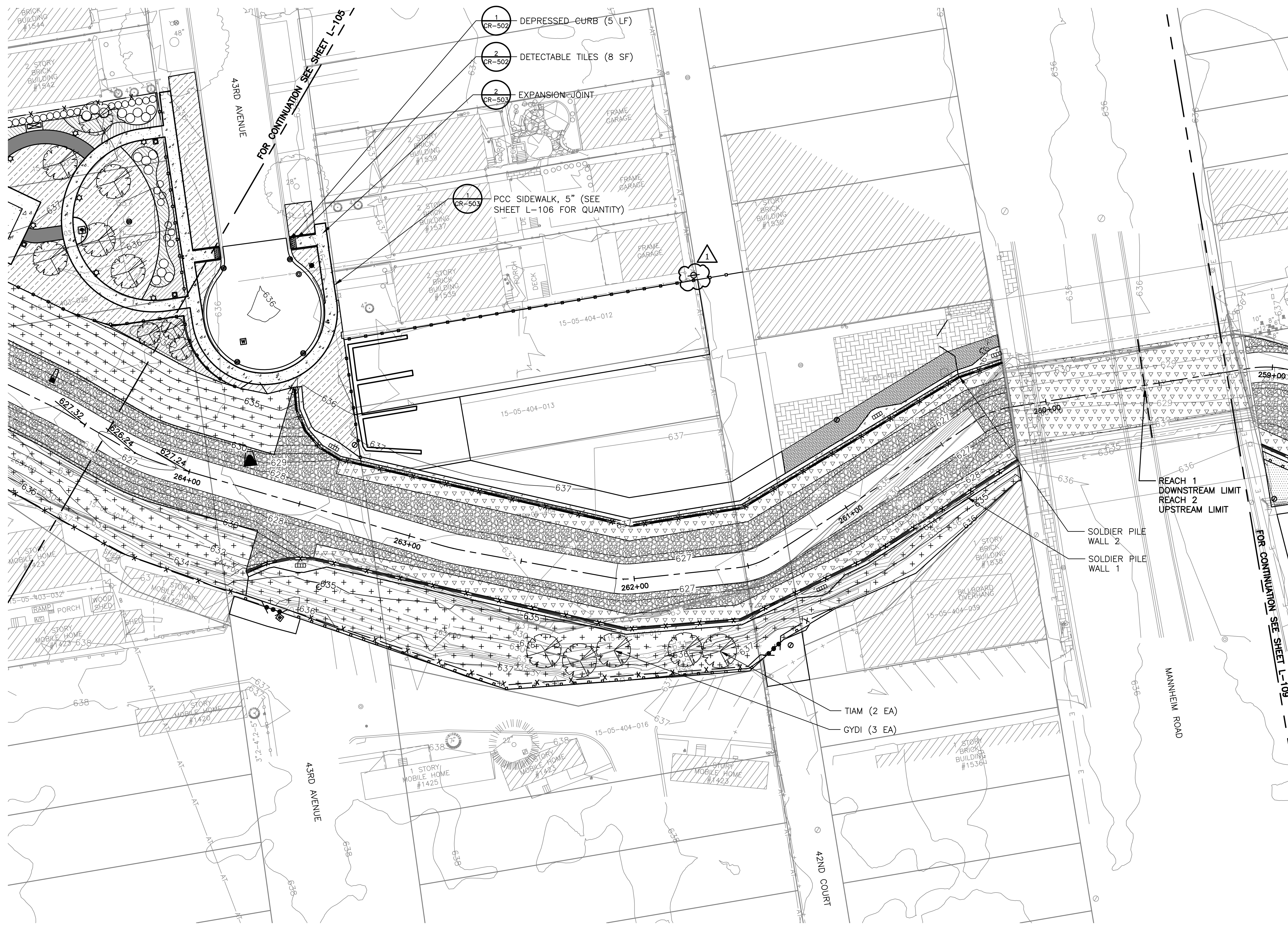
Sheet Number:
L-107

Page Number: 352



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 CHICAGO: (773) 699-9200
 CHICAGO: HEYANDASSOCIATES.COM

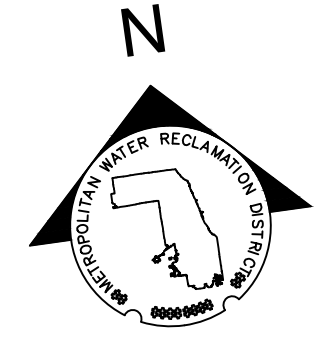
Professional Design Firm
 LICENSE NO. 18400289



LANDSCAPE LEGEND

- EXISTING WETLAND
- TURF SEED
6 IN. TOPSOIL
EROSION CONTROL
BLANKET
- STREAMBANK SEED
6 IN. TOPSOIL
EROSION CONTROL
BLANKET
- SOD, SALT TOLERANT
6 IN. TOPSOIL
- PERENNIAL PLANTS
(SEE DETAIL 2 SHEET
L-501)
- HMA TRAIL
- PCC SIDEWALK
- PROPOSED TREE
(SEE DETAIL 1 SHEET
L-501)
- PROPOSED EVERGREEN
TREE (SEE DETAIL 1
SHEET L-501)
- PROPOSED SHRUB
(SEE DETAIL 1 SHEET
L-501)
- PROPOSED TRASH
RECEPTACLE
- PROPOSED OR
REINSTALLED DRINKING
FOUNTAIN
- PROPOSED BENCH
- WOOD FENCE

NOTES:
 1. REFER TO L-501 FOR PLANTING SCHEDULE AND SEEDING SCHEDULE.
 2. CONTRACTOR TO INSTALL A TOTAL OF 275 SIGNS AS SHOWN ON DETAIL 4 ON SHEET L-501 AT LOCATIONS DIRECTED BY THE ENGINEER.



Rev.	Description	Appr.	Date
1	ADDENDUM NO. 7	TRP	05/01/23

METROPOLITAN WATER RECLAMATION DISTRICT OF GREATER CHICAGO

Contract 11-187-3F
 ADDISON CREEK CHANNEL IMPROVEMENTS

LANDSCAPE PLAN - REACH 1
 STA. 264+40 TO STA. 259+20

Designed by: TRP
 Drawn by: KSS
 Correct: JAW

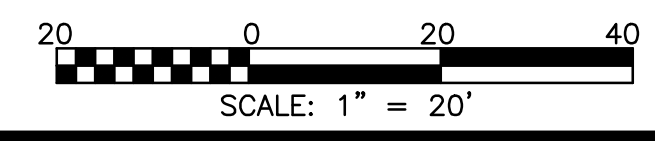
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 Date: 2022

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 PROFESSIONAL DESIGN FIRM
 LICENSE NO. 18400287

Sheet Number:
L-108

Page Number: 353





LANDSCAPE LEGEND

- EXISTING WETLAND
- TURF SEED
6 IN. TOPSOIL
EROSION CONTROL
BLANKET
- STREAMBANK SEED
6 IN. TOPSOIL
EROSION CONTROL
BLANKET

NOTES:

1. REFER TO L-501 FOR PLANTING SCHEDULE AND SEEDING SCHEDULE.
2. CONTRACTOR TO INSTALL A TOTAL OF 275 SIGNS AS SHOWN ON DETAIL 4 ON SHEET L-501 AT LOCATIONS DIRECTED BY THE ENGINEER.

Rev.	Description	Appr.	Date
1	ADDENDUM NO. 7	TRP	05/01/23

**METROPOLITAN WATER RECLAMATION DISTRICT
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 Engineering, Ecology and Landscape Architecture
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 CHICAGO, ILLINOIS 60631
 OFFICE (773) 699-9200
 CHICAGO@HEYANDASSOCIATES.COM

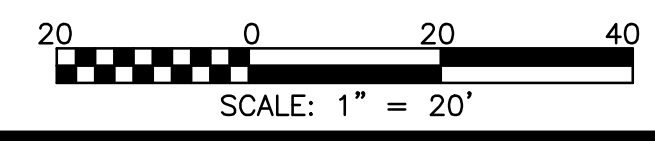
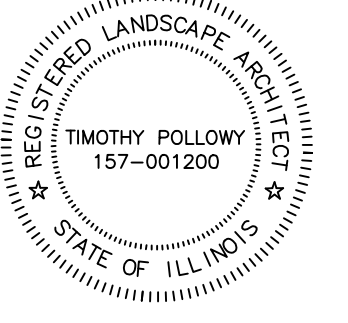
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 Correct: JAW

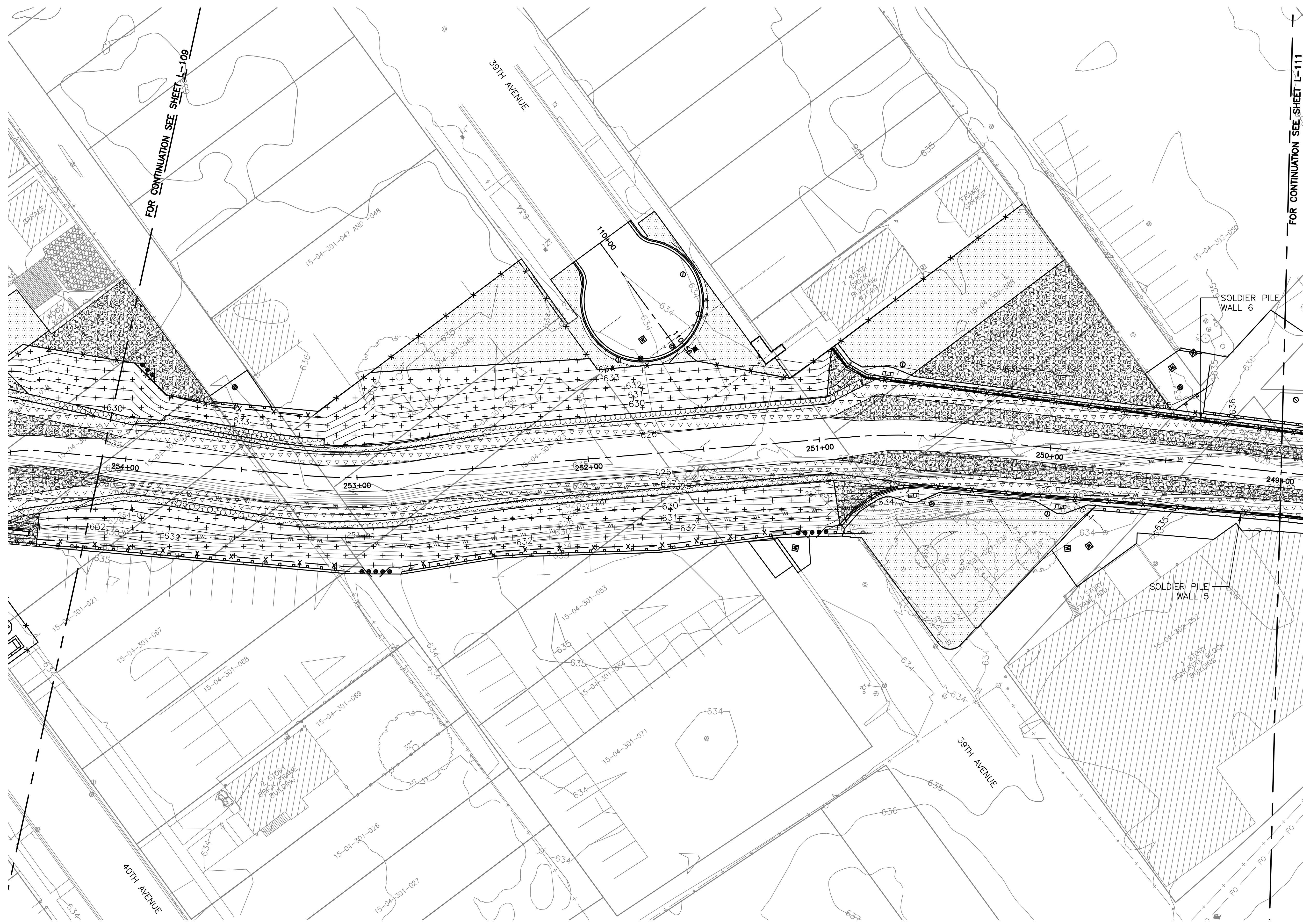
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 Reviewed by: JAW
 Date: 2022

CONTRACT 11-187-3F
 ADDISON CREEK CHANNEL IMPROVEMENTS

LANDSCAPE PLAN - REACH 2
 STA. 259+20 TO STA. 250+20

Sheet Number:
L-109
 Page Number: 354





LANDSCAPE LEGEND

- EXISTING WETLAND
- TURF SEED
6 IN. TOPSOIL
EROSION CONTROL
BLANKET
- STREAMBANK SEED
6 IN. TOPSOIL
EROSION CONTROL
BLANKET

- NOTES:**
- REFER TO L-501 FOR PLANTING SCHEDULE AND SEEDING SCHEDULE.
 - CONTRACTOR TO INSTALL A TOTAL OF 275 SIGNS AS SHOWN ON DETAIL 4 ON SHEET L-501 AT LOCATIONS DIRECTED BY THE ENGINEER.



FOR CONTINUATION SEE SHEET L-109

FOR CONTINUATION SEE SHEET L-111

Rev.	Description	Appr.	Date

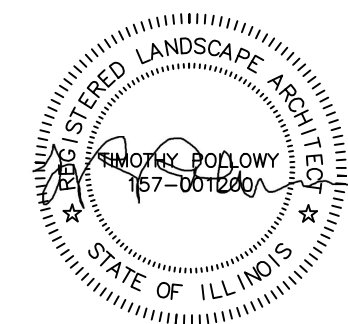
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 OF GREATER CHICAGO**

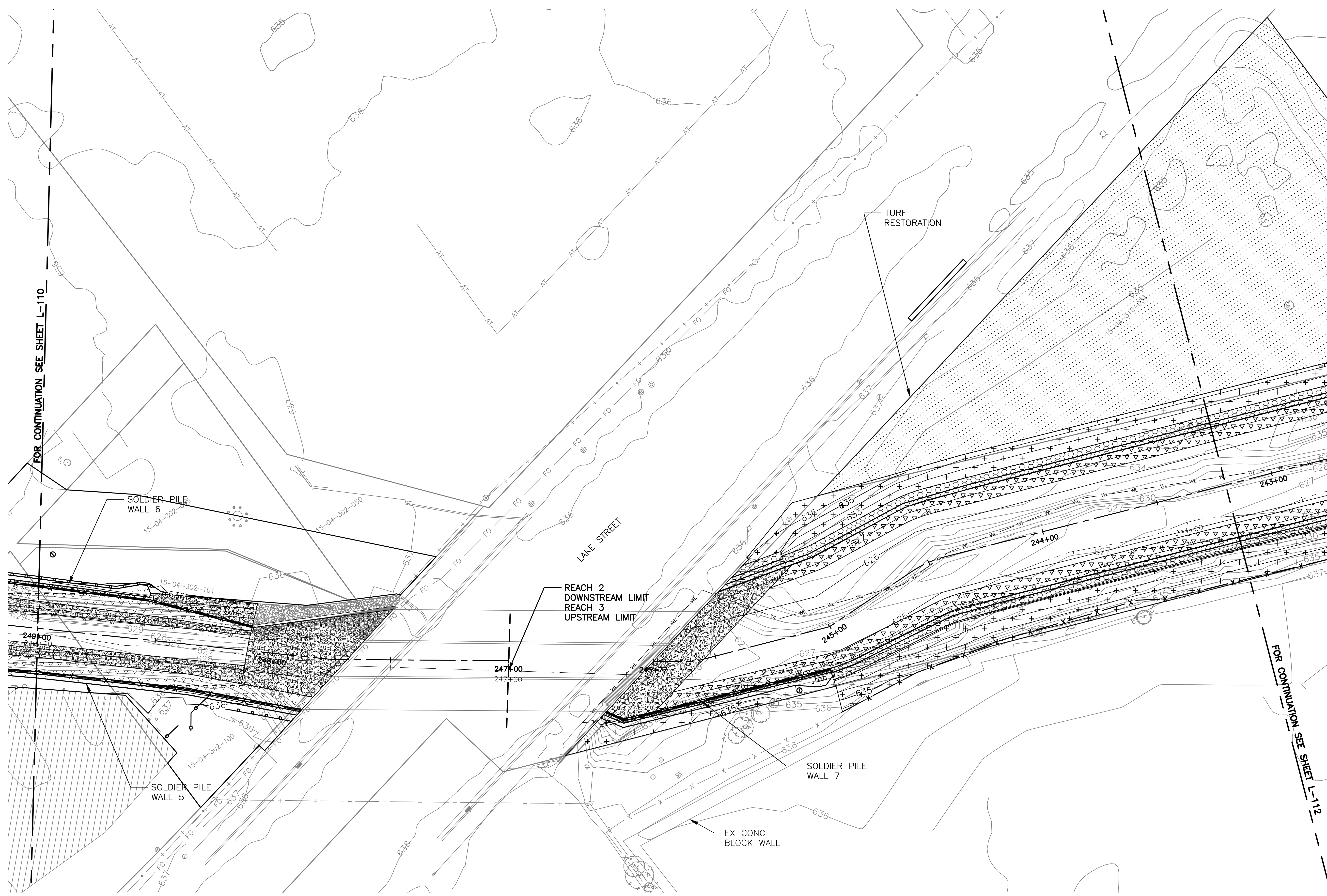
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Correct:		

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 CHICAGO, ILLINOIS 60631
 OFFICE (773) 699-9200
 CHICAGO@HEYANDASSOCIATES.COM
 LICENSE NO. 184004289

CONTRACT 11-187-3F
 ADDISON CREEK CHANNEL IMPROVEMENTS
LANDSCAPE PLAN - REACH 2
 STA. 254+20 TO STA. 249+00

Sheet Number:
L-110
 Page Number: 355





LANDSCAPE LEGEND

- EXISTING WETLAND
- TURF SEED
6 IN. TOPSOIL
EROSION CONTROL
BLANKET
- STREAMBANK SEED
6 IN. TOPSOIL
EROSION CONTROL
BLANKET

- NOTES:**
- REFER TO L-501 FOR PLANTING SCHEDULE AND SEEDING SCHEDULE.
 - CONTRACTOR TO INSTALL A TOTAL OF 275 SIGNS AS SHOWN ON DETAIL 4 ON SHEET L-501 AT LOCATIONS DIRECTED BY THE ENGINEER.

Rev.	Description	Appr.	Date

**METROPOLITAN WATER RECLAMATION DISTRICT
OF GREATER CHICAGO**

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 Engineering, Ecology and Landscape Architecture
 CHICAGO, ILLINOIS 60631
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 LICENSE NO. 18406289

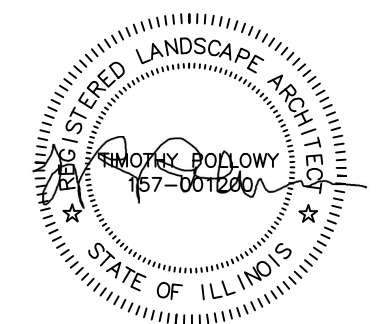
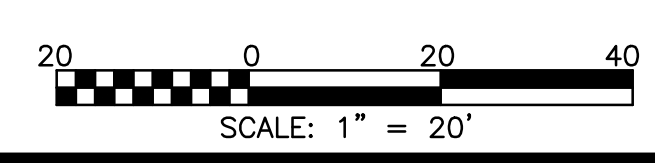
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Correct:		

CONTRACT 11-187-3F
 ADDISON CREEK CHANNEL IMPROVEMENTS

LANDSCAPE PLAN - REACH 2 & 3
 STA. 249+00 TO STA. 243+20

Sheet Number:
L-111

Page Number: 356





LANDSCAPE LEGEND

- EXISTING WETLAND
- STREAMBANK SEED
- 6 IN. TOPSOIL
- EROSION CONTROL BLANKET

NOTES:

1. REFER TO L-501 FOR PLANTING SCHEDULE AND SEEDING SCHEDULE.
2. CONTRACTOR TO INSTALL A TOTAL OF 275 SIGNS AS SHOWN ON DETAIL 4 ON SHEET L-501 AT LOCATIONS DIRECTED BY THE ENGINEER.



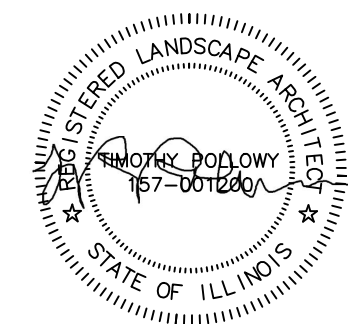
Rev.	Description	Appr.	Date

METROPOLITAN WATER RECLAMATION DISTRICT OF GREATER CHICAGO

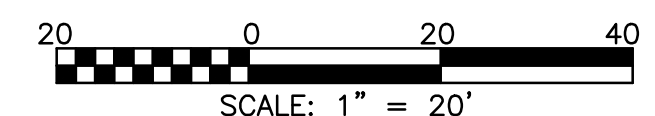
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CONTRACT 11-187-3F
 ADDISON CREEK CHANNEL IMPROVEMENTS
LANDSCAPE PLAN - REACH 3
 STA. 243+20 TO STA. 238+00

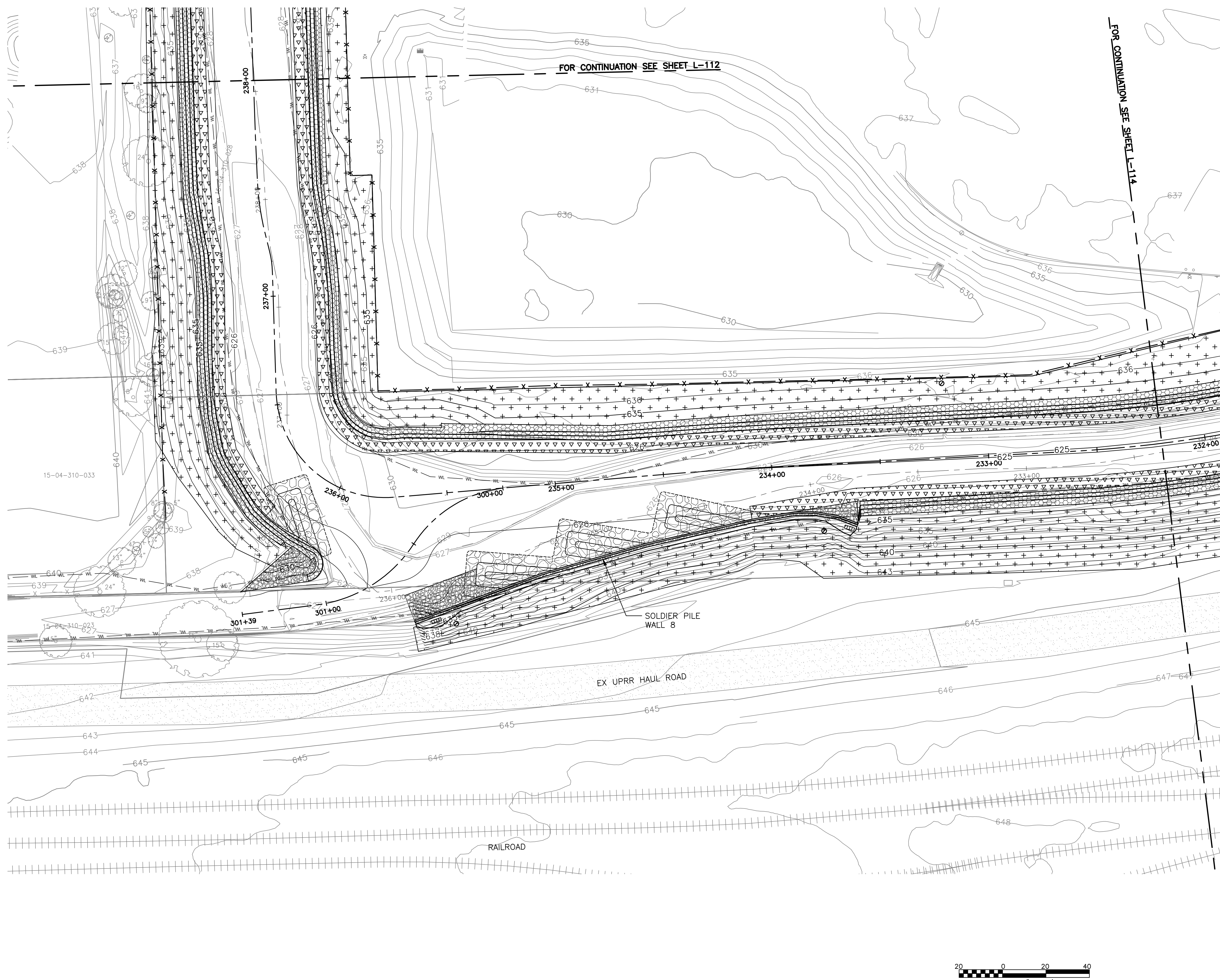
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L-112
 Page Number: 357



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 CHICAGO@HEYASNC.COM
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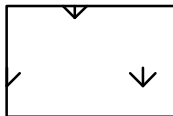
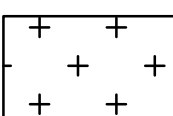
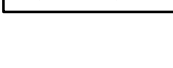



FOR CONTINUATION SEE SHEET L-112

FOR CONTINUATION SEE SHEET L-114



LANDSCAPE LEGEND

-  EXISTING WETLAND
-  STREAMBANK SEED
-  6 IN. TOPSOIL
-  EROSION CONTROL BLANKET

- NOTES:**
1. REFER TO L-501 FOR PLANTING SCHEDULE AND SEEDING SCHEDULE.
 2. CONTRACTOR TO INSTALL A TOTAL OF 275 SIGNS AS SHOWN ON DETAIL 4 ON SHEET L-501 AT LOCATIONS DIRECTED BY THE ENGINEER.

Rev.	Description	Appr.	Date

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 Engineering, Ecology and Landscape Architecture
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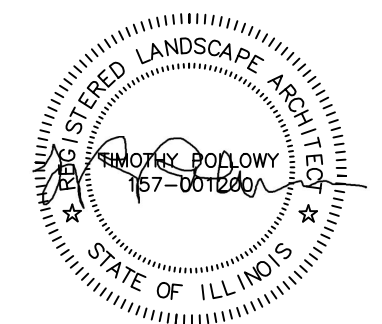
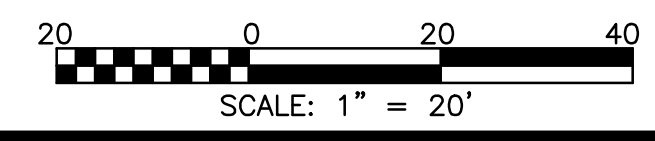
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 DATE: 2022

CONTRACT 11-187-3F
 ADDISON CREEK CHANNEL IMPROVEMENTS

LANDSCAPE PLAN - REACH 3
 STA. 238+00 TO STA. 232+20

Sheet Number:
L-113

Page Number: 358

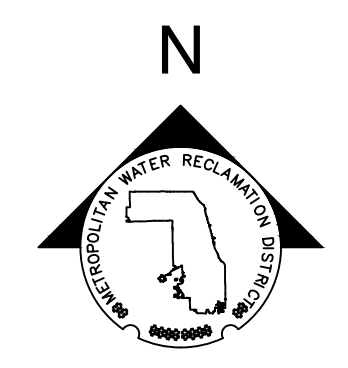


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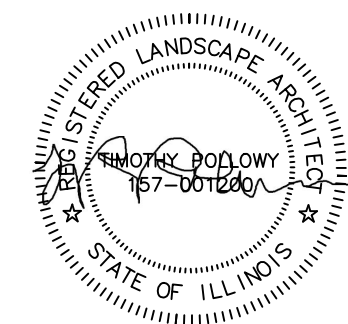
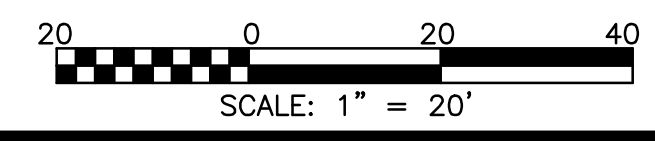
FOR CONTINUATION SEE SHEET L-115



LANDSCAPE LEGEND

- EXISTING WETLAND
- STREAMBANK SEED
- 6 IN. TOPSOIL
- EROSION CONTROL BLANKET

- NOTES:**
- REFER TO L-501 FOR PLANTING SCHEDULE AND SEEDING SCHEDULE.
 - CONTRACTOR TO INSTALL A TOTAL OF 275 SIGNS AS SHOWN ON DETAIL 4 ON SHEET L-501 AT LOCATIONS DIRECTED BY THE ENGINEER.



Rev.	Description	Appr.	Date

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 OFFICE (773) 699-9200
 CHICAGO@HEYANDASSOCIATES.COM
 LICENSE NO. 184002829

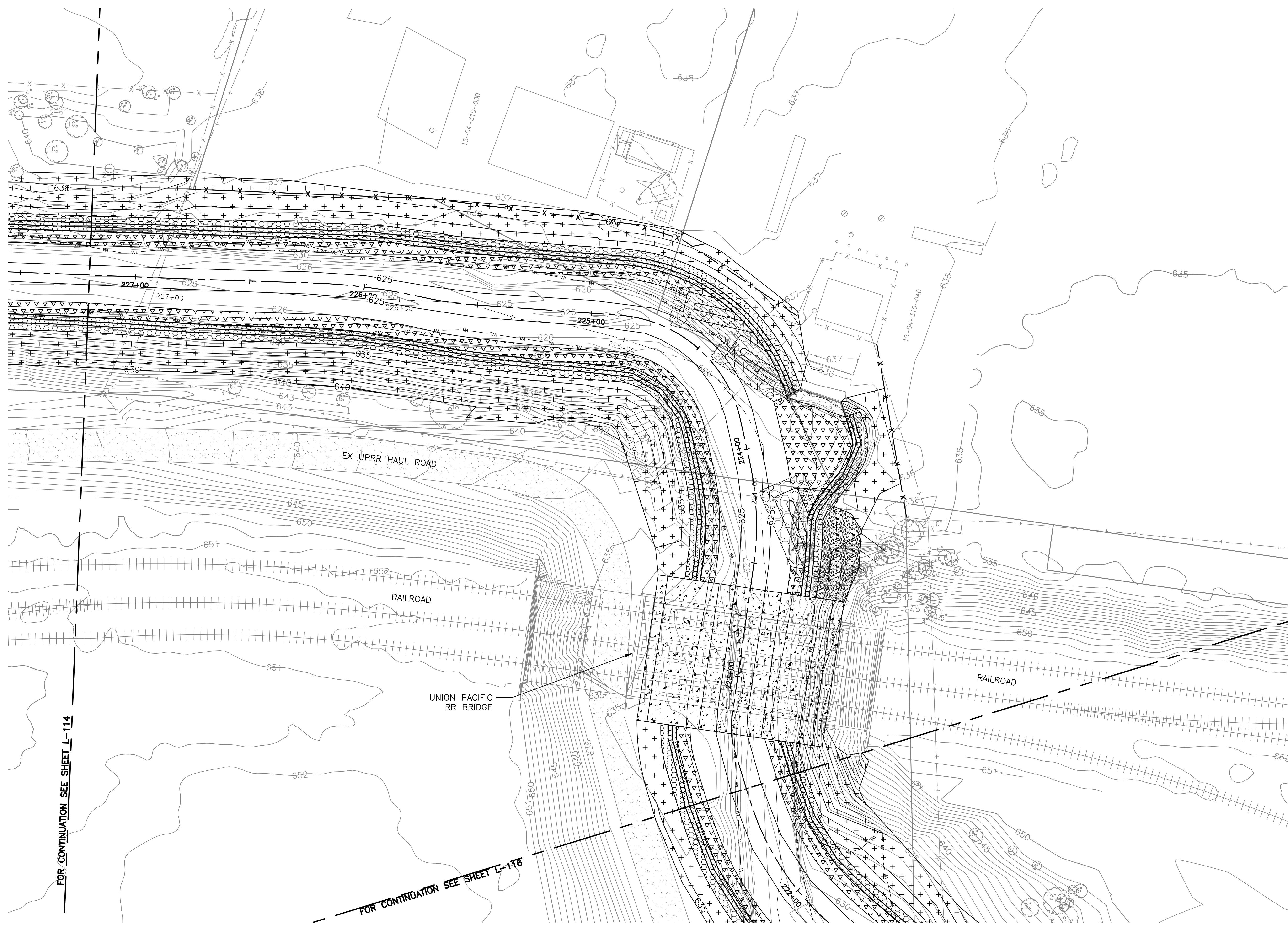
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Drawn by: KSS	Reviewed by: JAW	Date: 2022
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CONTRACT 11-187-3F
 ADDISON CREEK CHANNEL IMPROVEMENTS

LANDSCAPE PLAN - REACH 3
 STA. 232+20 TO STA. 227+20

Sheet Number:
L-114

Page Number: 359



FOR CONTINUATION SEE SHEET L-114

FOR CONTINUATION SEE SHEET L-116

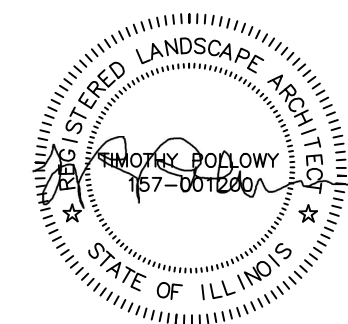
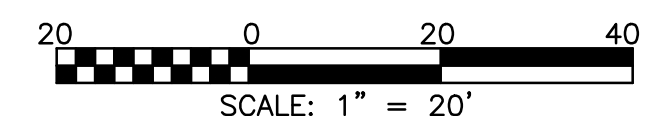


LANDSCAPE LEGEND

- EXISTING WETLAND
- STREAMBANK SEED
- 6 IN. TOPSOIL EROSION CONTROL BLANKET

NOTES:

1. REFER TO L-501 FOR PLANTING SCHEDULE AND SEEDING SCHEDULE.
2. CONTRACTOR TO INSTALL A TOTAL OF 275 SIGNS AS SHOWN ON DETAIL 4 ON SHEET L-501 AT LOCATIONS DIRECTED BY THE ENGINEER.



Rev.	Description	Appr.	Date

METROPOLITAN WATER RECLAMATION DISTRICT OF GREATER CHICAGO

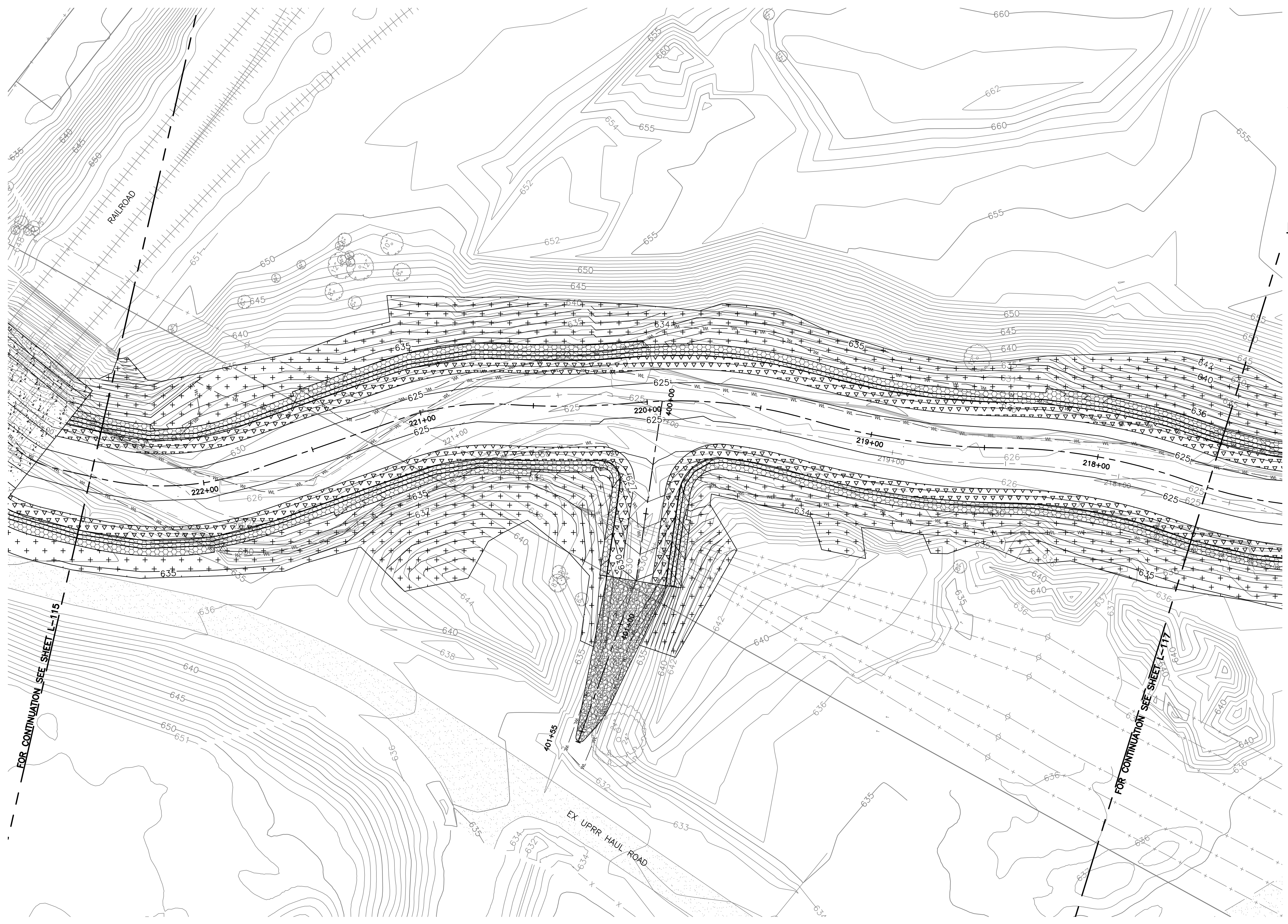
Hey and Associates, Inc.
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Correct:		

CONTRACT 11-187-3F
 ADDISON CREEK CHANNEL IMPROVEMENTS

LANDSCAPE PLAN - REACH 3
 STA. 227+20 TO STA. 222+50

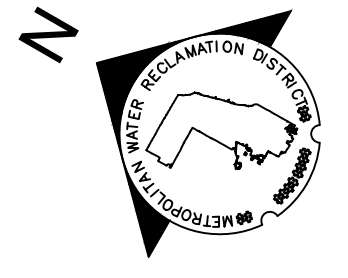
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L-115
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LANDSCAPE LEGEND

- EXISTING WETLAND
- STREAMBANK SEED
- 6 IN. TOPSOIL
- EROSION CONTROL BLANKET

- NOTES:**
- REFER TO L-501 FOR PLANTING SCHEDULE AND SEEDING SCHEDULE.
 - CONTRACTOR TO INSTALL A TOTAL OF 275 SIGNS AS SHOWN ON DETAIL 4 ON SHEET L-501 AT LOCATIONS DIRECTED BY THE ENGINEER.

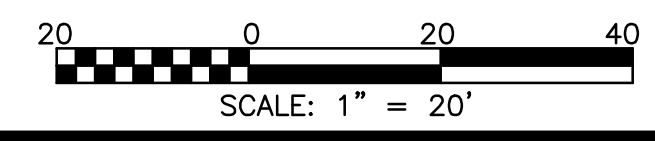
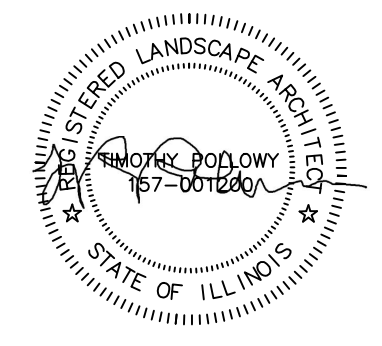


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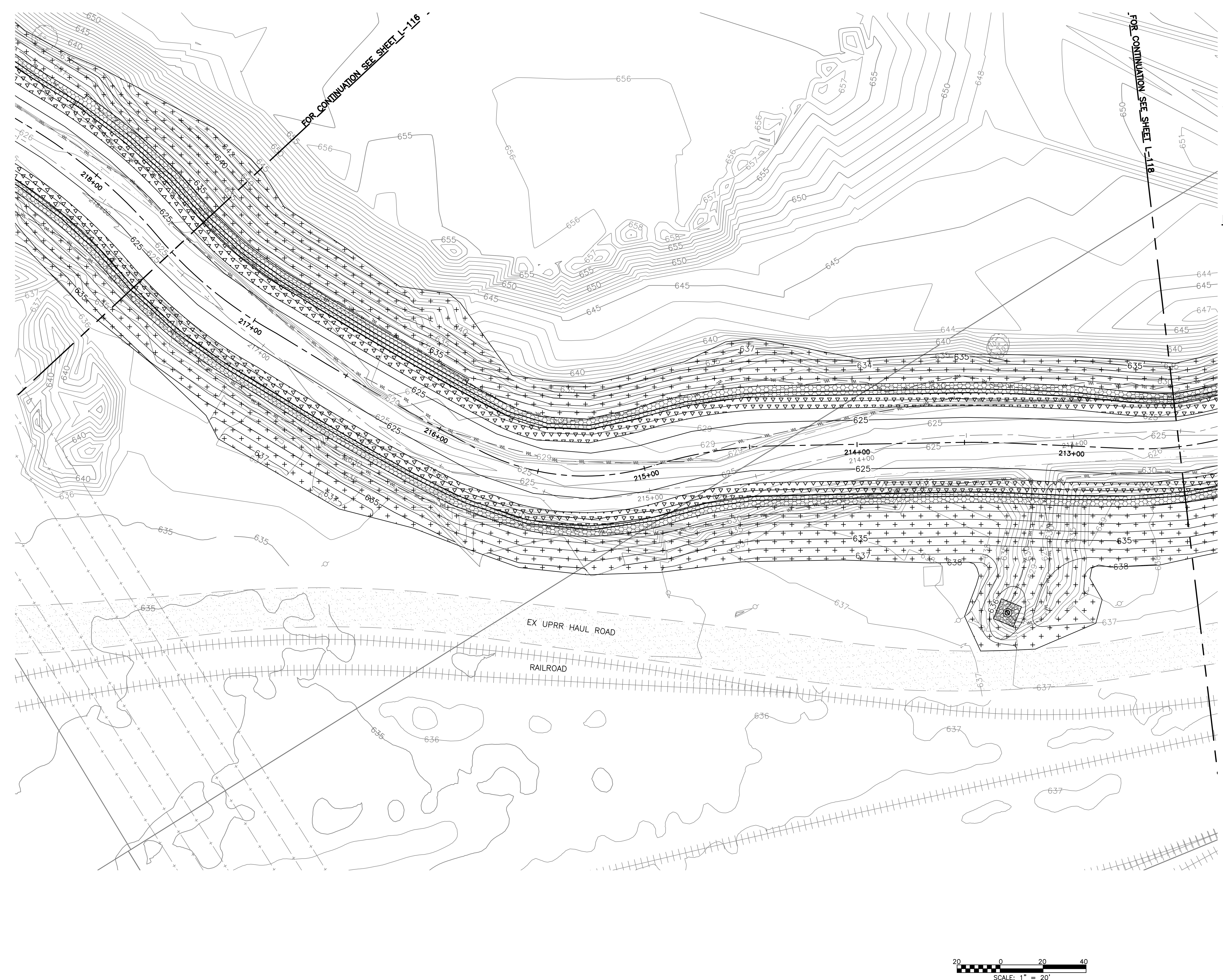
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 ADDISON CREEK CHANNEL IMPROVEMENTS
LANDSCAPE PLAN - REACH 3
 STA. 222+50 TO STA. 217+50



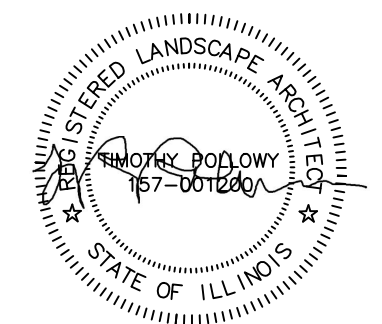
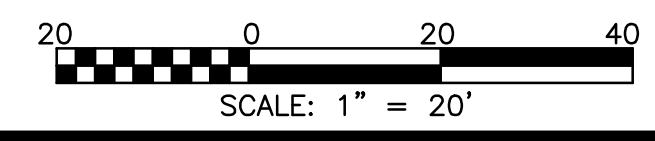
Sheet Number:
L-116
 Page Number: 361



LANDSCAPE LEGEND

- EXISTING WETLAND
- STREAMBANK SEED
- 6 IN. TOPSOIL
- EROSION CONTROL BLANKET

- NOTES:**
- REFER TO L-501 FOR PLANTING SCHEDULE AND SEEDING SCHEDULE.
 - CONTRACTOR TO INSTALL A TOTAL OF 275 SIGNS AS SHOWN ON DETAIL 4 ON SHEET L-501 AT LOCATIONS DIRECTED BY THE ENGINEER.



Rev.	Description	Appr.	Date

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 Engineering, Ecology and Landscape Architecture
 8755 WEST HERGAS ROAD, SUITE 835
 CHICAGO, ILLINOIS 60631
 OFFICE (773) 699-9200
 CHICAGO@HEYANSC.COM
 PROFESSIONAL DESIGN FIRM
 LICENSE NO. 16400287

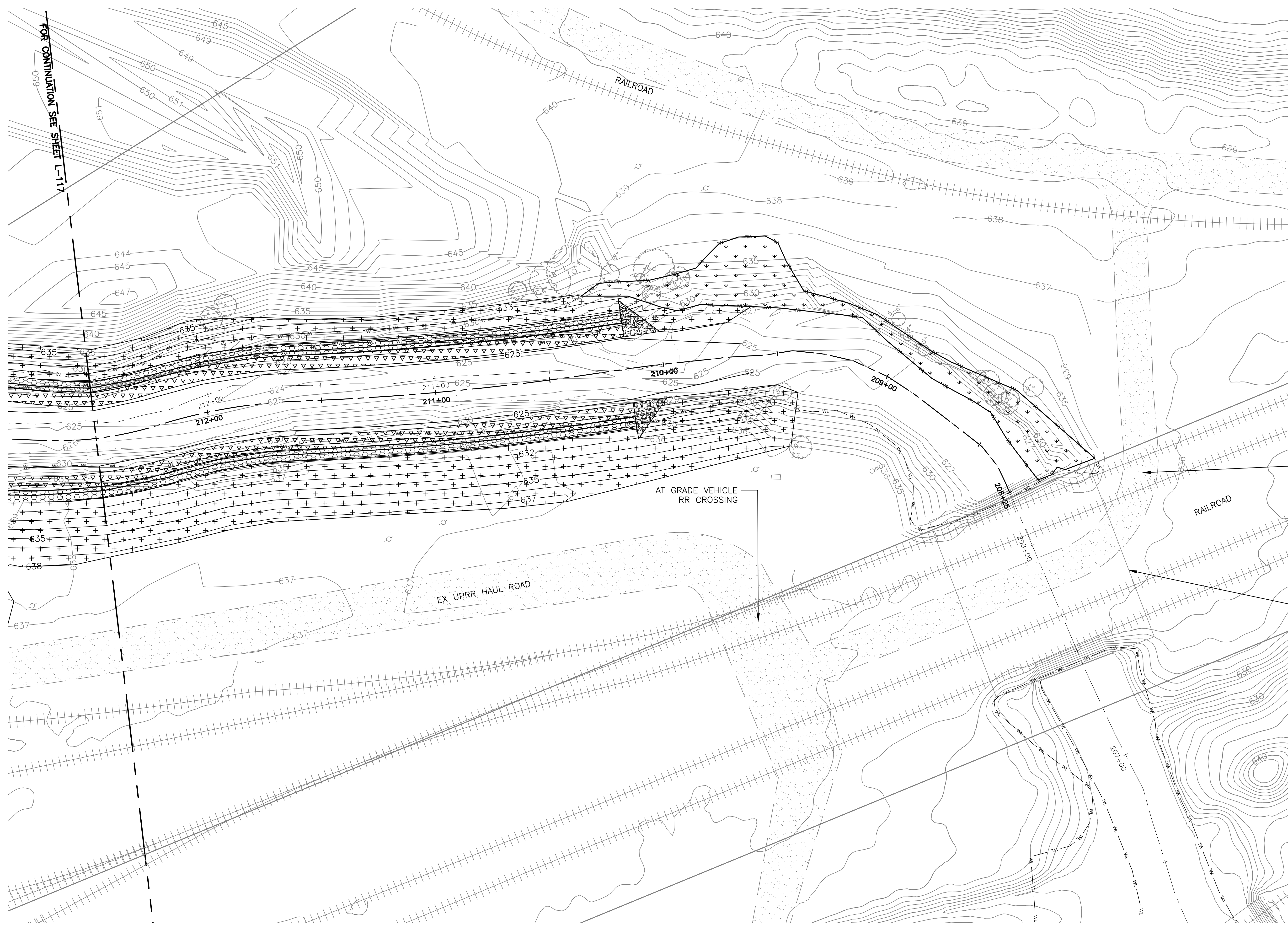
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CONTRACT 11-187-3F
 ADDISON CREEK CHANNEL IMPROVEMENTS

LANDSCAPE PLAN - REACH 3
 STA. 217+50 TO STA. 212+50

Sheet Number:
L-117

Page Number: 362



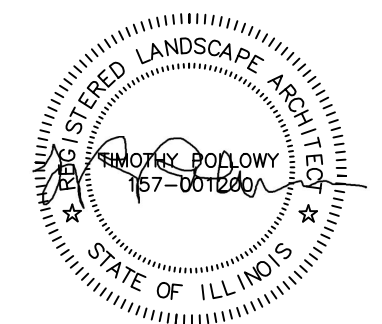
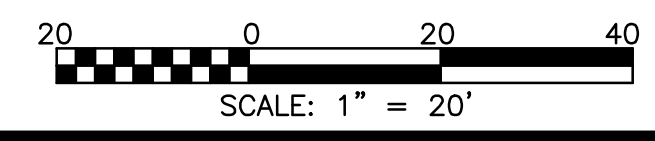
LANDSCAPE LEGEND

- EXISTING WETLAND
- STREAMBANK SEED
- 6 IN. TOPSOIL
- EROSION CONTROL BLANKET

- NOTES:**
- REFER TO L-501 FOR PLANTING SCHEDULE AND SEEDING SCHEDULE.
 - CONTRACTOR TO INSTALL A TOTAL OF 275 SIGNS AS SHOWN ON DETAIL 4 ON SHEET L-501 AT LOCATIONS DIRECTED BY THE ENGINEER.

AT GRADE VEHICLE RR CROSSING

UNION PACIFIC RR BRIDGE



Rev.	Description	Appr.	Date

METROPOLITAN WATER RECLAMATION DISTRICT OF GREATER CHICAGO

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 Engineering, Ecology and Landscape Architecture
 CHICAGO, ILLINOIS 60631
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 CHICAGO@HEYANDASSOCIATES.COM
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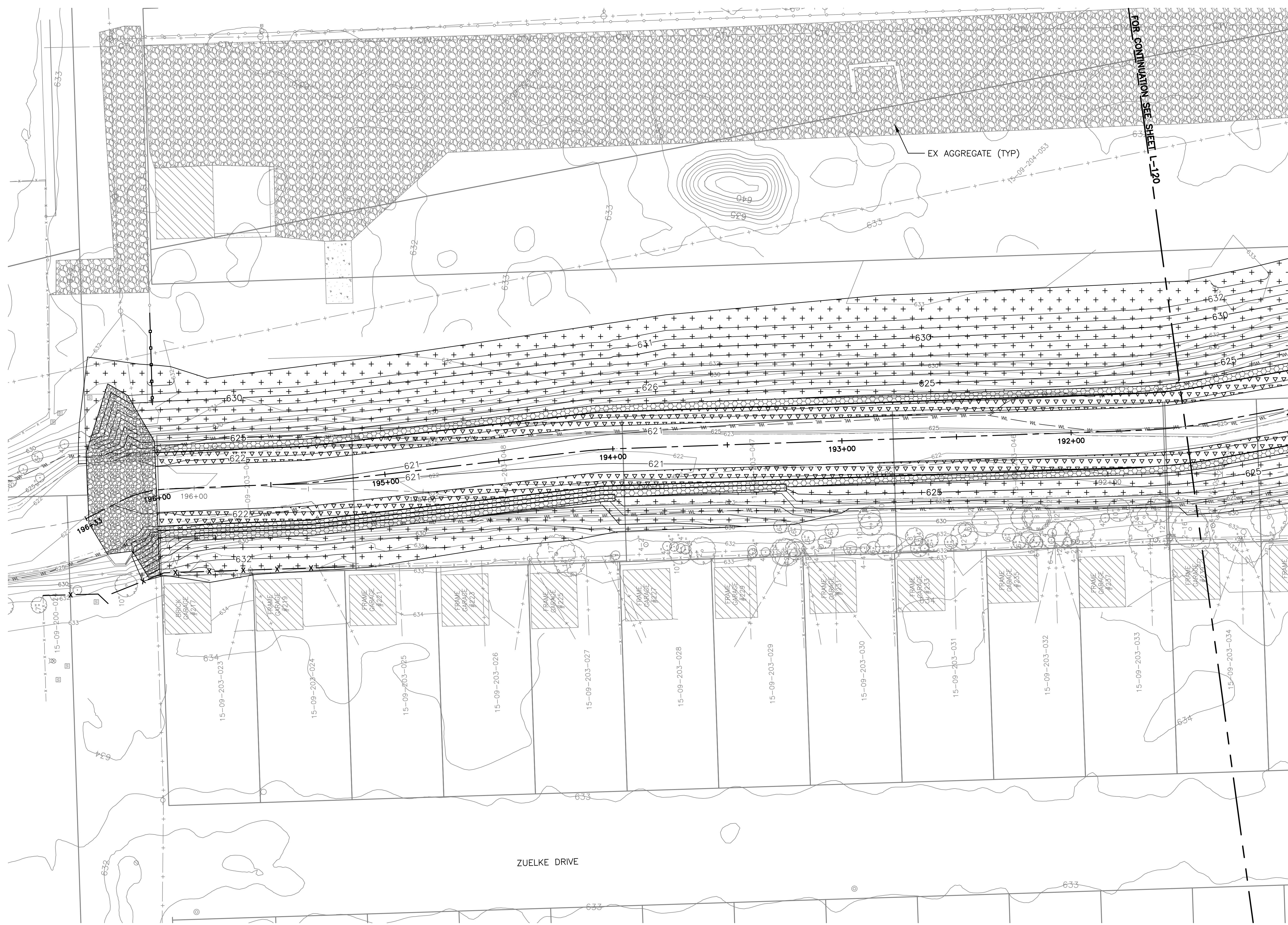
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CONTRACT 11-187-3F
 ADDISON CREEK CHANNEL IMPROVEMENTS

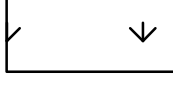
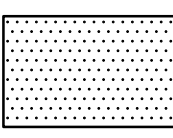
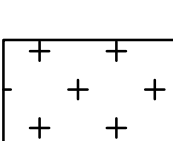
LANDSCAPE PLAN - REACH 3
 STA. 212+50 TO STA. 209+50

Sheet Number:
L-118

Page Number: **363**



LANDSCAPE LEGEND

-  EX AGGREGATE (TYP)
-  TURF SEED
6 IN. TOPSOIL
EROSION CONTROL
BLANKET
-  STREAMBANK SEED
6 IN. TOPSOIL
EROSION CONTROL
BLANKET

- NOTES:**
1. REFER TO L-501 FOR PLANTING SCHEDULE AND SEEDING SCHEDULE.
 2. CONTRACTOR TO INSTALL A TOTAL OF 275 SIGNS AS SHOWN ON DETAIL 4 ON SHEET L-501 AT LOCATIONS DIRECTED BY THE ENGINEER.



Rev.	Description	Appr.	Date

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OF GREATER CHICAGO**

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 Reviewed by: JAW
 Date: 2022

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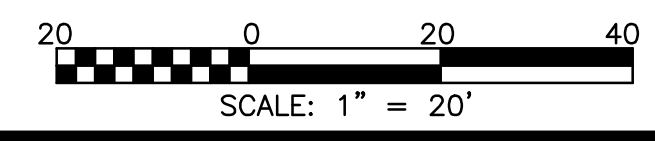
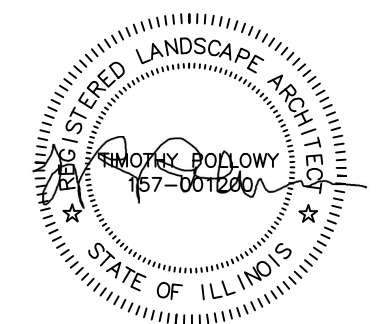
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 OFFICE (773) 699-9200
 CHICAGO@HEYANDASSOCIATES.COM
 LICENSE NO. 184042829

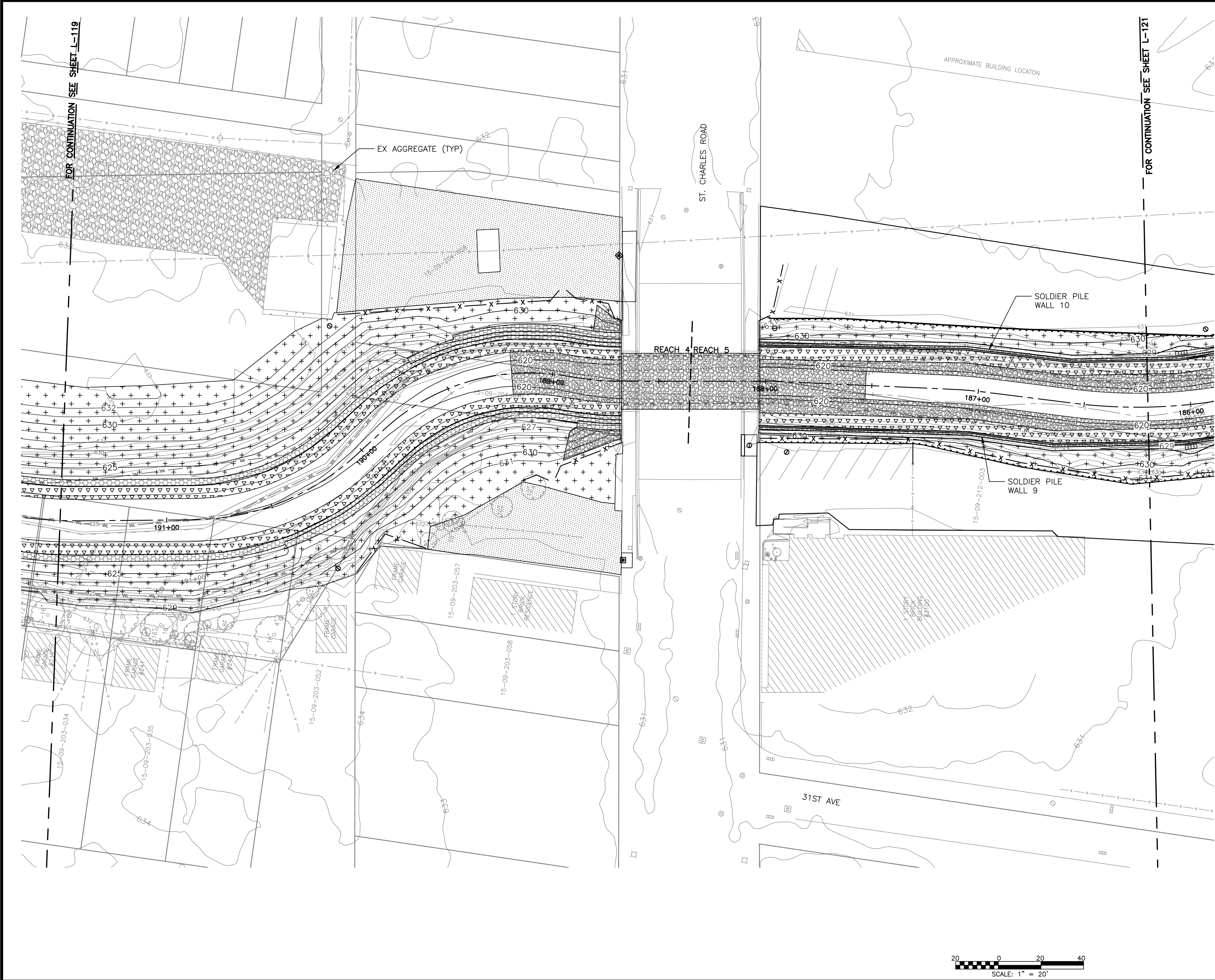
CONTRACT 11-187-3F
 ADDISON CREEK CHANNEL IMPROVEMENTS

LANDSCAPE PLAN - REACH 4
 STA. 196+33 TO STA. 191+50

Sheet Number:
L-119

Page Number: 364



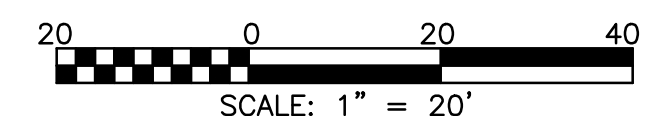
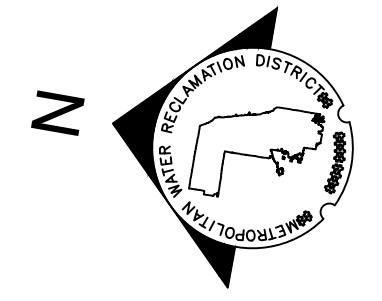


LANDSCAPE LEGEND

- EXISTING WETLAND
- TURF SEED
6 IN. TOPSOIL
EROSION CONTROL
BLANKET
- STREAMBANK SEED
6 IN. TOPSOIL
EROSION CONTROL
BLANKET

NOTES:

1. REFER TO L-501 FOR PLANTING SCHEDULE AND SEEDING SCHEDULE.
2. CONTRACTOR TO INSTALL A TOTAL OF 275 SIGNS AS SHOWN ON DETAIL 4 ON SHEET L-501 AT LOCATIONS DIRECTED BY THE ENGINEER.



Rev.	Description	Appr.	Date

METROPOLITAN WATER RECLAMATION DISTRICT OF GREATER CHICAGO

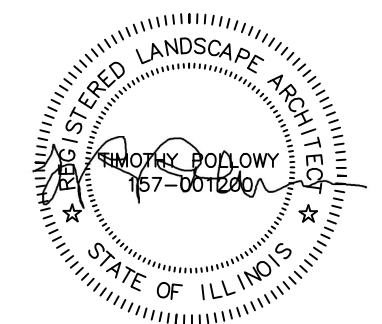
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8755 WEST HERGANS ROAD, SUITE 835
CHICAGO, ILLINOIS 60631
OFFICE (773) 699-9200
CHICAGO@HEYANSC.COM
PROFESSIONAL DESIGN: FIRM LICENSE NO. 18400429

CONTRACT 11-187-3F
ADDISON CREEK CHANNEL IMPROVEMENTS

LANDSCAPE PLAN - REACH 4 & 5
STA. 191+50 TO STA. 186+20

Sheet Number: L-120
Page Number: 365

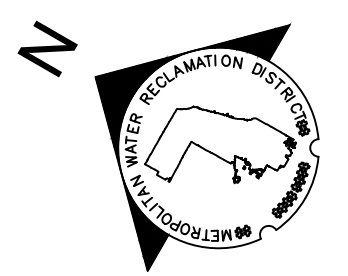




LANDSCAPE LEGEND

- EXISTING WETLAND
- TURF SEED
6 IN. TOPSOIL
EROSION CONTROL
BLANKET
- STREAMBANK SEED
6 IN. TOPSOIL
EROSION CONTROL
BLANKET

- NOTES:**
- REFER TO L-501 FOR PLANTING SCHEDULE AND SEEDING SCHEDULE.
 - CONTRACTOR TO INSTALL A TOTAL OF 275 SIGNS AS SHOWN ON DETAIL 4 ON SHEET L-501 AT LOCATIONS DIRECTED BY THE ENGINEER.



Rev.	Description	Appr.	Date

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 CHICAGO@HEYANDASSOCIATES.COM
 LICENSE NO. 184004289

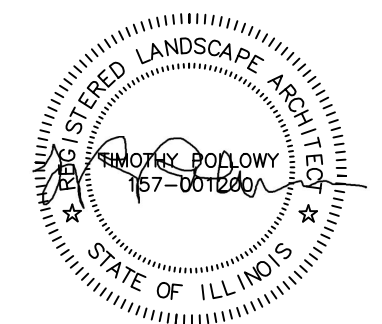
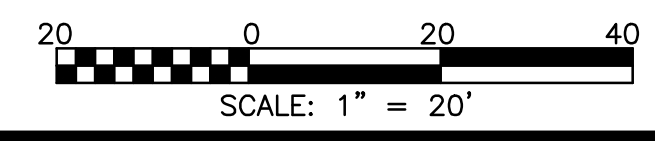
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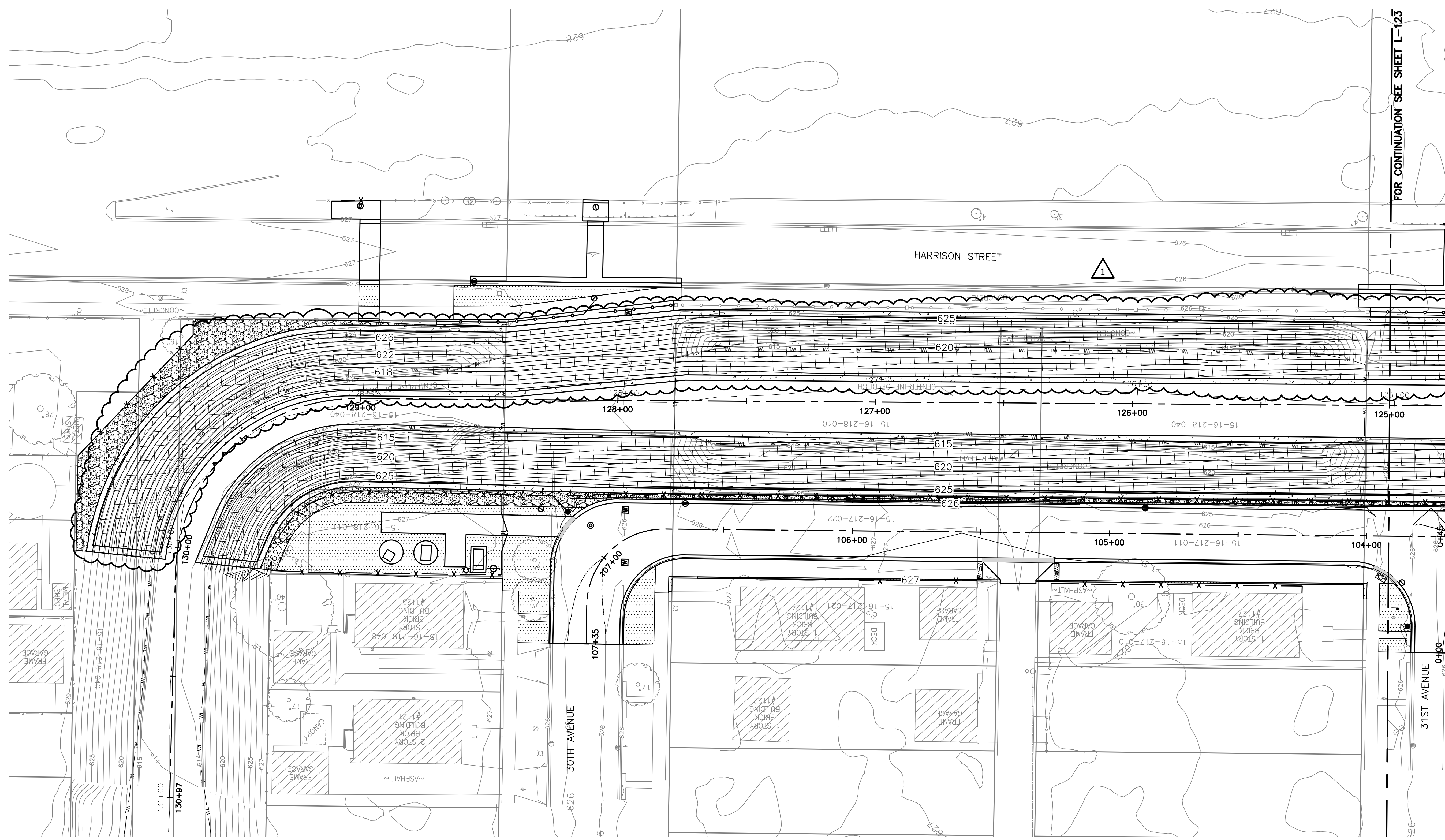
CONTRACT 11-187-3F
 ADDISON CREEK CHANNEL IMPROVEMENTS

LANDSCAPE PLAN - REACH 5
 STA. 186+20 TO STA. 181+00

Sheet Number:
L-121

Page Number: 366

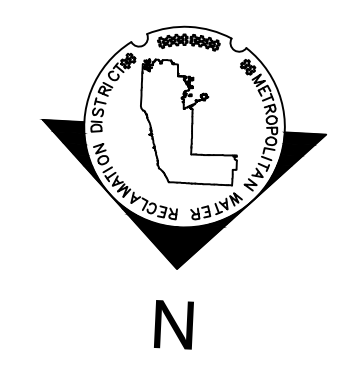




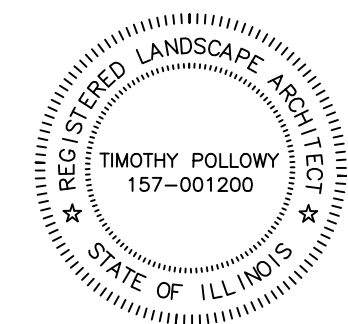
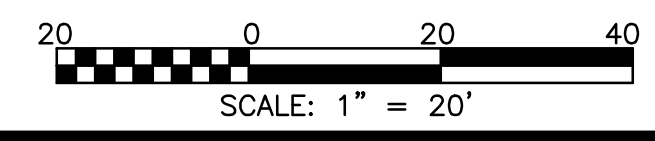
LANDSCAPE LEGEND

- TURF SEED
- 6 IN. TOPSOIL
- EROSION CONTROL
- BLANKET

- NOTES:**
1. REFER TO L-501 FOR PLANTING SCHEDULE AND SEEDING SCHEDULE.
 2. CONTRACTOR TO INSTALL A TOTAL OF 275 SIGNS AS SHOWN ON DETAIL 4 ON SHEET L-501 AT LOCATIONS DIRECTED BY THE ENGINEER.



FOR CONTINUATION SEE SHEET L-123



Rev.	Description	Appr.	Date
1	ADDENDUM NO. 7	JAW	05/01/23

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 Engineering, Ecology and Landscape Architecture
 8755 WEST HIGGINS ROAD, SUITE 835
 CHICAGO, ILLINOIS 60631
 OFFICE (773) 699-9200
 CHICAGO@HEYANDASSOCIATES.COM
 PROFESSIONAL DESIGN FIRM
 LICENSE NO. 184002829

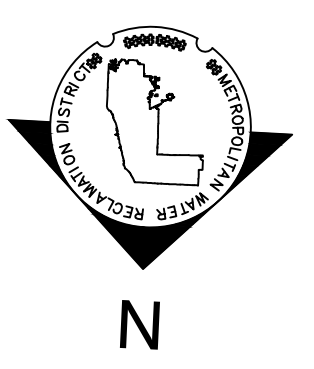
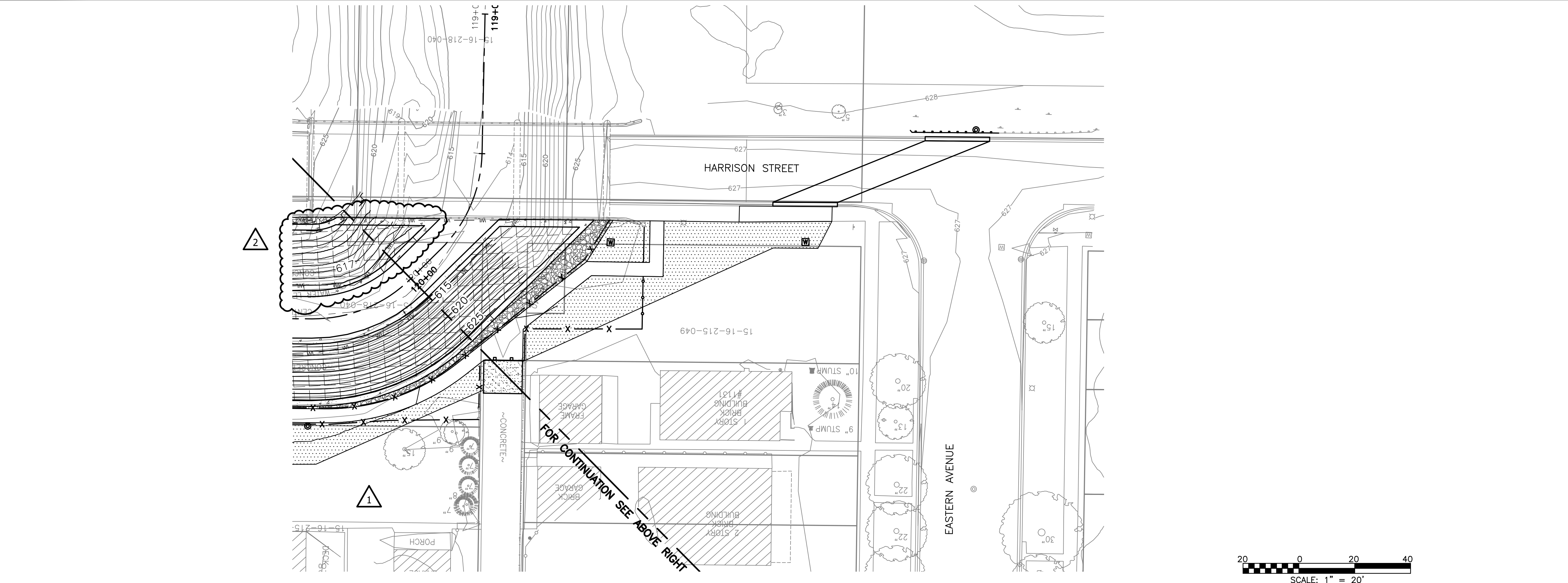
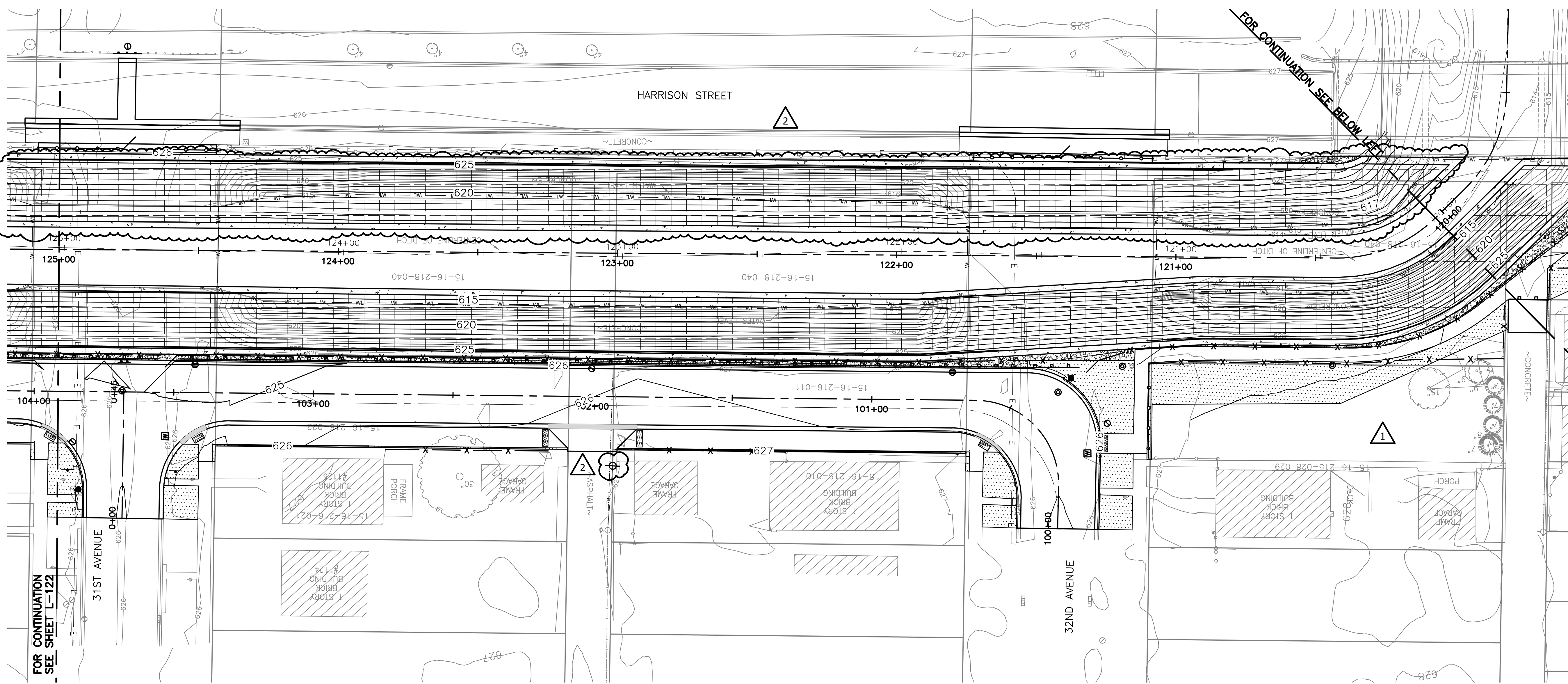
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CONTRACT 11-187-3F
 ADDISON CREEK CHANNEL IMPROVEMENTS

LANDSCAPE PLAN - REACH 6
 STA. 130+97 TO STA. 125+00

Sheet Number:
L-122

Page Number: 367

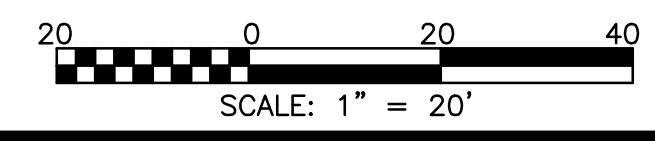


LANDSCAPE LEGEND

- TURF SEED
- 6 IN. TOPSOIL
- EROSION CONTROL
- BLANKET

NOTES:

1. REFER TO L-501 FOR PLANTING SCHEDULE AND SEEDING SCHEDULE.
2. CONTRACTOR TO INSTALL A TOTAL OF 275 SIGNS AS SHOWN ON DETAIL 4 ON SHEET L-501 AT LOCATIONS DIRECTED BY THE ENGINEER.



Rev.	Description	Appr.	Date
1	ADDENDUM NO. 2	TRP	01/06/23
2	ADDENDUM NO. 7	TRP	05/01/23

**METROPOLITAN WATER RECLAMATION DISTRICT
OF GREATER CHICAGO**

Designed by: TRP	Checked by: TRP	Scale: AS SHOWN
Drawn by: KSS	Reviewed by: JAW	Date: 2022
Correct:		

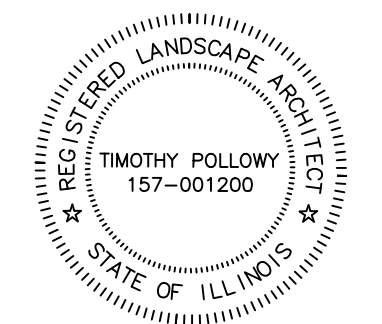
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 8755 WEST HIGGINS ROAD, SUITE 835
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 OFFICE (773) 699-9200
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 LICENSE NO. 184002829

CONTRACT 11-187-3F
 ADDISON CREEK CHANNEL IMPROVEMENTS

LANDSCAPE PLAN - REACH 6
 STA. 125+00 TO STA. 119+00

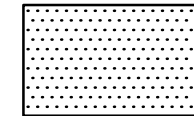
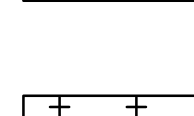
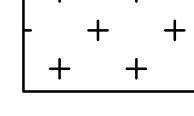
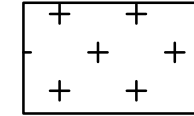

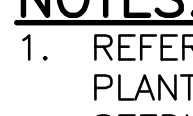
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Page Number: 368





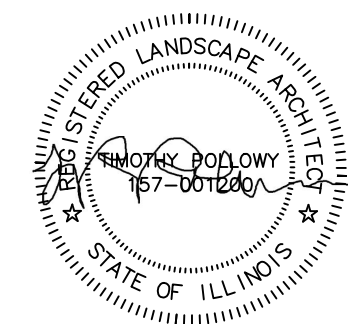
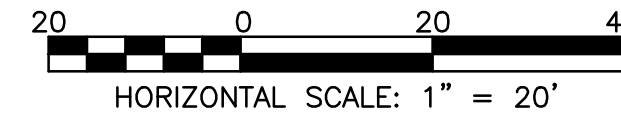
LANDSCAPE LEGEND

-  TURF SEED
-  6 IN. TOPSOIL
-  EROSION CONTROL BLANKET
-  STREAMBANK SEED
-  6 IN. TOPSOIL
-  EROSION CONTROL BLANKET

NOTES:

1. REFER TO L-501 FOR PLANTING SCHEDULE AND SEEDING SCHEDULE.
2. CONTRACTOR TO INSTALL A TOTAL OF 275 SIGNS AS SHOWN ON DETAIL 4 ON SHEET L-501 AT LOCATIONS DIRECTED BY THE ENGINEER.

FOR CONTINUATION SEE SHEET L-125



**METROPOLITAN WATER RECLAMATION DISTRICT
 OF GREATER CHICAGO**

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Drawn by: KSS	Reviewed by: JAW	Date: 2022
Correct:		

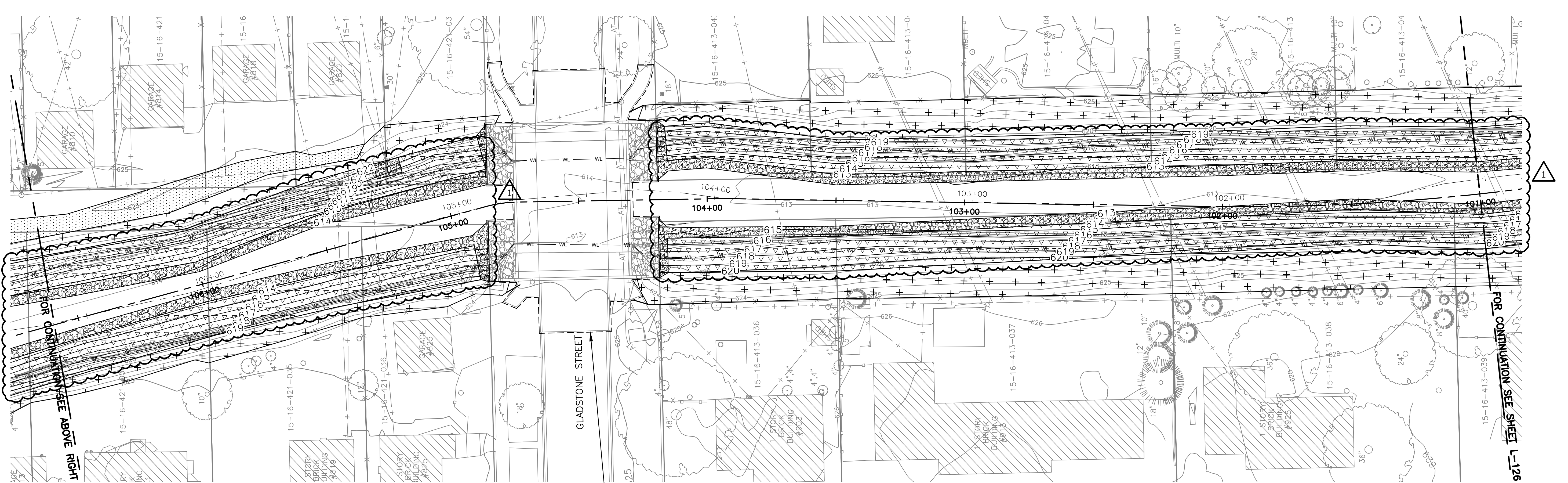
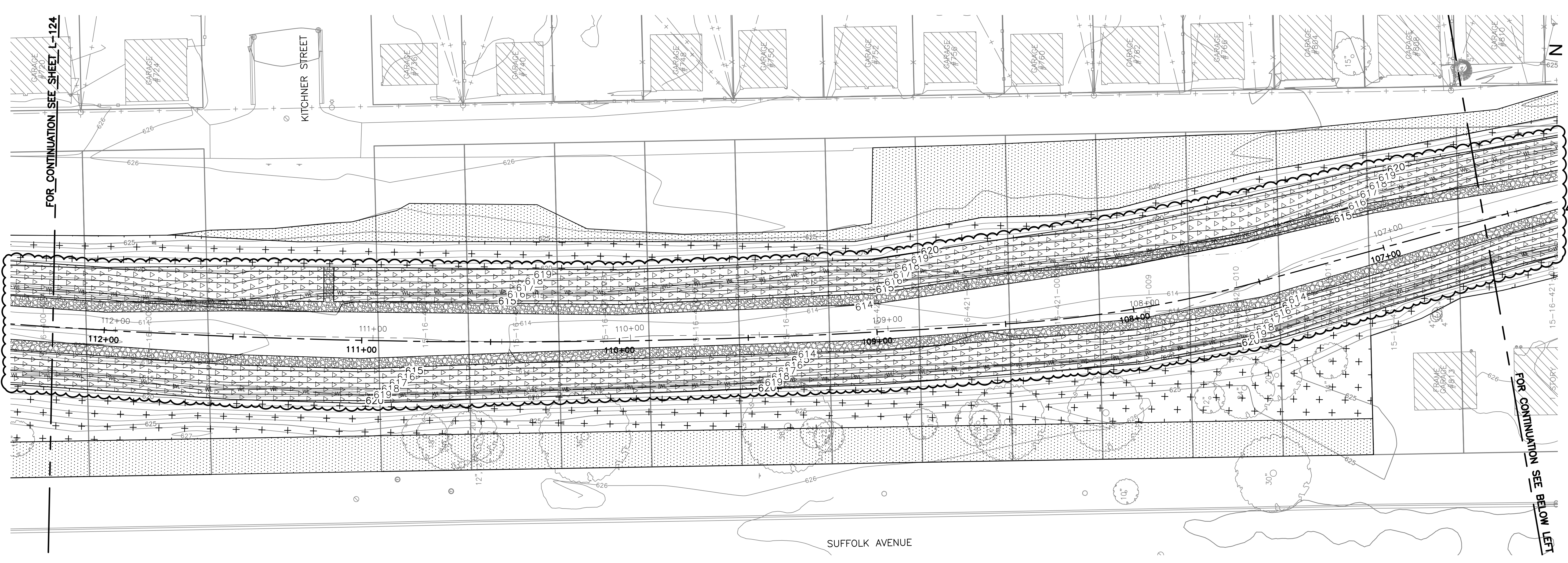
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CONTRACT 11-187-3F
 ADDISON CREEK CHANNEL IMPROVEMENTS

LANDSCAPE PLAN - REACH 7
 STA. 117+45 TO STA. 112+20

Sheet Number:
L-124
 Page Number: 369

Rev.	Description	Appr.	Date
1	ADDENDUM NO. 4	TRP	01/25/23



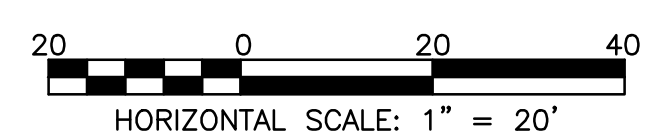
LANDSCAPE LEGEND

- TURF SEED
- 6 IN. TOPSOIL
- EROSION CONTROL BLANKET
- STREAMBANK SEED
- 6 IN. TOPSOIL
- EROSION CONTROL BLANKET

NOTES:

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- CONTRACTOR TO INSTALL A TOTAL OF 275 SIGNS AS SHOWN ON DETAIL 4 ON SHEET L-501 AT LOCATIONS DIRECTED BY THE ENGINEER.

NOTE: GLADSTONE STREET BRIDGE IS SCHEDULED TO BE REPLACED IN 2022-2023. APPROXIMATE STRUCTURE AND LIMITS OF FUTURE WORK SHOWN FOR REFERENCE ONLY. SEE R-141 THRU R-143.



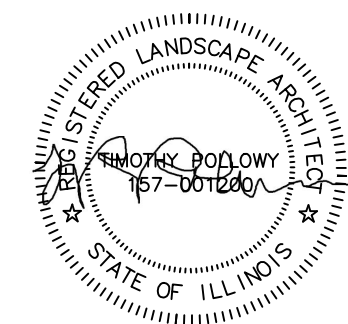
Rev.	Description	Appr.	Date
1	ADDENDUM NO. 4	TRP	01/25/23

METROPOLITAN WATER RECLAMATION DISTRICT OF GREATER CHICAGO	
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TRP	AS SHOWN
Drawn by:	Date: 2022
KSS	JAW
Correct:	

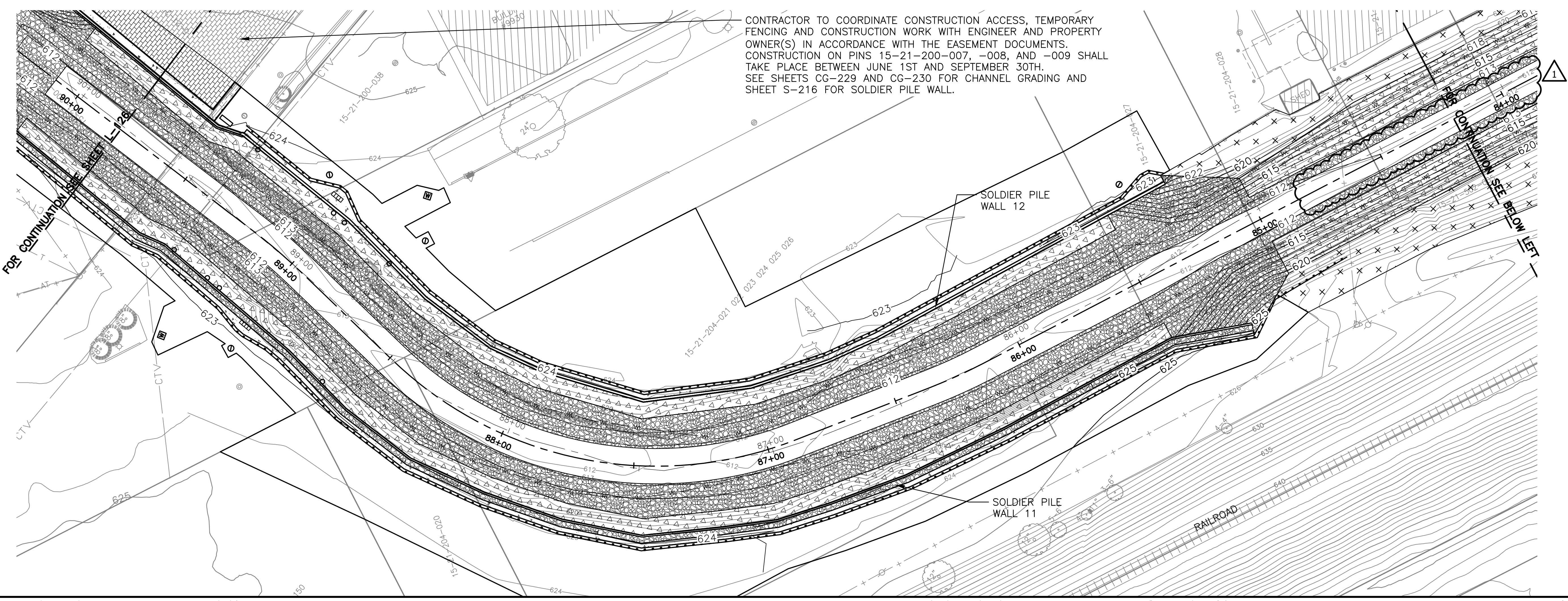
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CONTRACT 11-187-3F
 ADDISON CREEK CHANNEL IMPROVEMENTS
LANDSCAPE PLAN - REACH 7
 STA. 112+20 TO STA. 101+00

Sheet Number:
L-125
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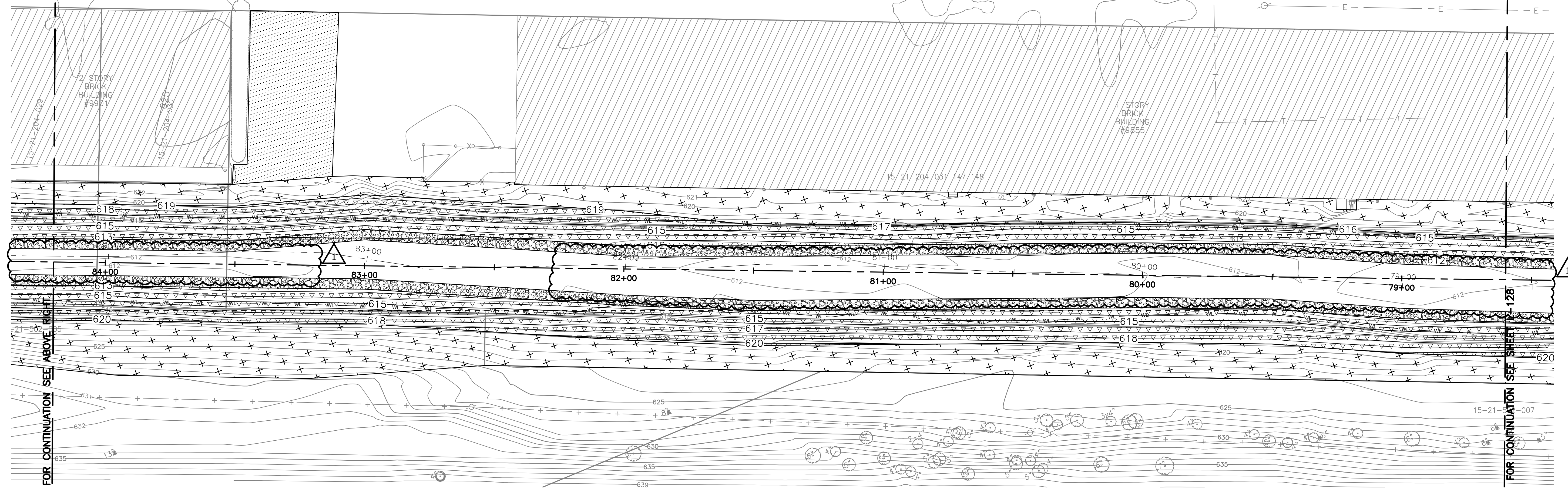
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CONTRACTOR TO COORDINATE CONSTRUCTION ACCESS, TEMPORARY FENCING AND CONSTRUCTION WORK WITH ENGINEER AND PROPERTY OWNER(S) IN ACCORDANCE WITH THE EASEMENT DOCUMENTS. CONSTRUCTION ON PINS 15-21-200-007, -008, AND -009 SHALL TAKE PLACE BETWEEN JUNE 1ST AND SEPTEMBER 30TH. SEE SHEETS CG-229 AND CG-230 FOR CHANNEL GRADING AND SHEET S-216 FOR SOLDIER PILE WALL.



Rev.	Description	Appr.	Date
1	ADDENDUM NO. 4	TRP	01/25/23



METROPOLITAN WATER RECLAMATION DISTRICT OF GREATER CHICAGO

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 Reviewed by: JAW

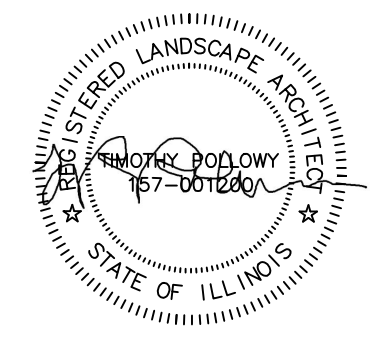
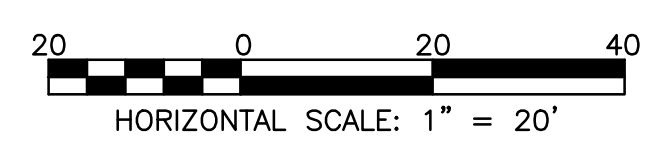
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LANDSCAPE LEGEND

- TURF SEED
- 6 IN. TOPSOIL
- EROSION CONTROL BLANKET
- STREAMBANK SEED
- 6 IN. TOPSOIL
- EROSION CONTROL BLANKET

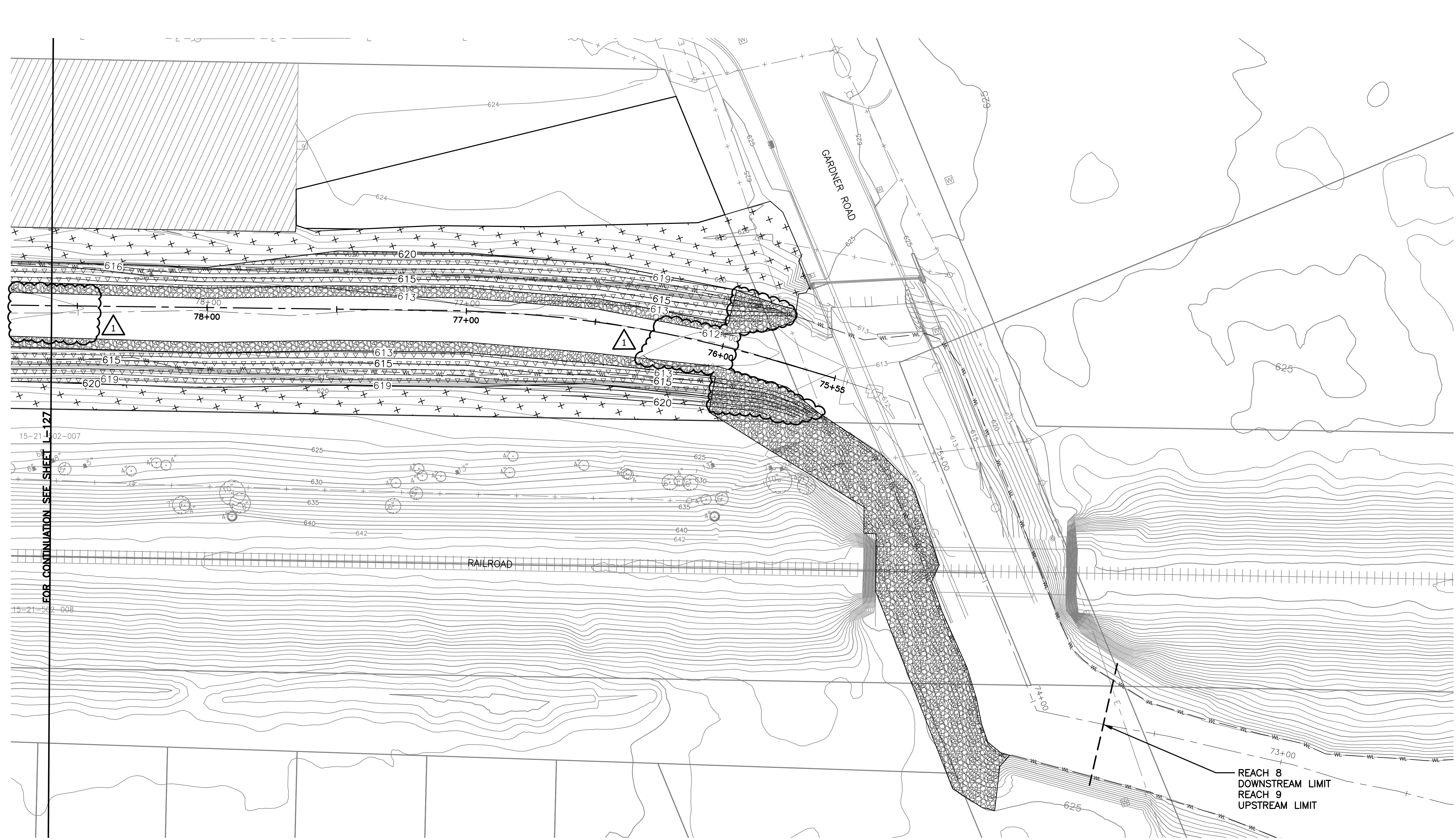
- NOTES:**
- REFER TO L-501 FOR PLANTING SCHEDULE AND SEEDING SCHEDULE.
 - CONTRACTOR TO INSTALL A TOTAL OF 275 SIGNS AS SHOWN ON DETAIL 4 ON SHEET L-501 AT LOCATIONS DIRECTED BY THE ENGINEER.



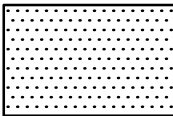
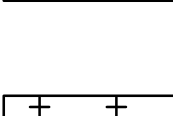
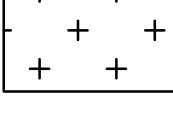


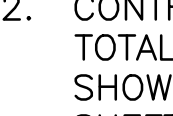
CONTRACT 11-187-3F
 ADDISON CREEK CHANNEL IMPROVEMENTS

LANDSCAPE PLAN - REACH 8
 STA. 89+80 TO STA. 78+60

Sheet Number:
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 Page Number: 372



LANDSCAPE LEGEND

-  TURF SEED
-  6 IN. TOPSOIL
-  EROSION CONTROL BLANKET
-  STREAMBANK SEED
-  6 IN. TOPSOIL
-  EROSION CONTROL BLANKET

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METROPOLITAN WATER RECLAMATION DISTRICT OF GREATER CHICAGO

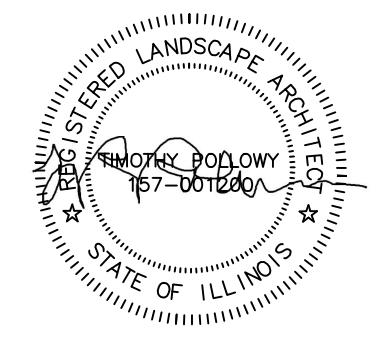
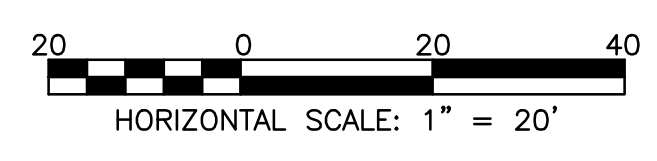
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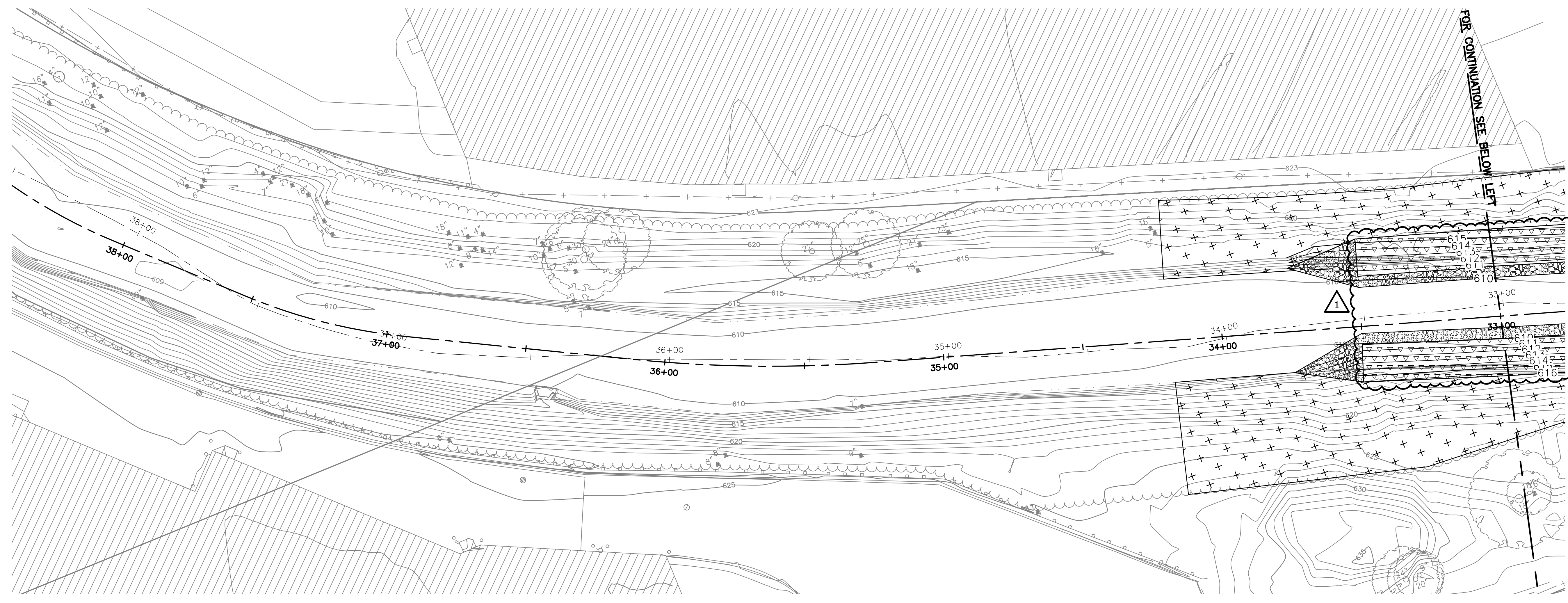
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CONTRACT 11-187-3F
 ADDISON CREEK CHANNEL IMPROVEMENTS

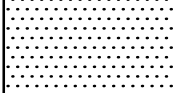
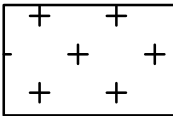
LANDSCAPE PLAN - REACH 8
 STA. 78+60 TO STA. 75+55

Sheet Number:
L-128
 Page Number: 373



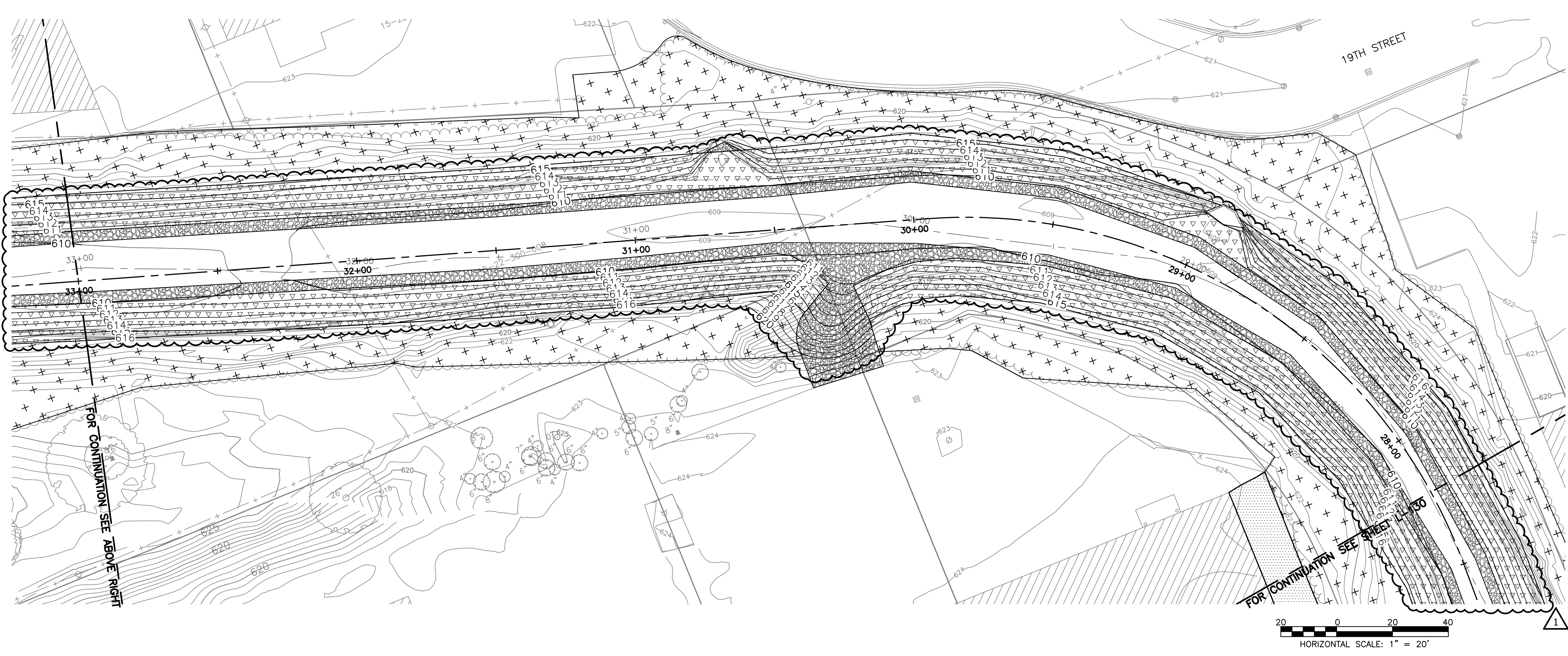


LANDSCAPE LEGEND

-  TURF SEED
6 IN. TOPSOIL
EROSION CONTROL
BLANKET
-  STREAMBANK SEED
6 IN. TOPSOIL
EROSION CONTROL
BLANKET

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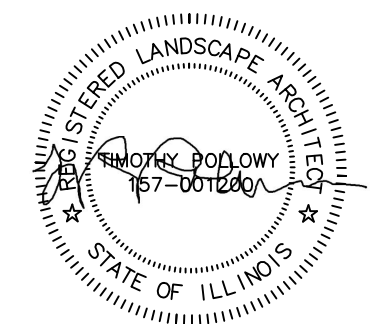
**METROPOLITAN WATER RECLAMATION DISTRICT
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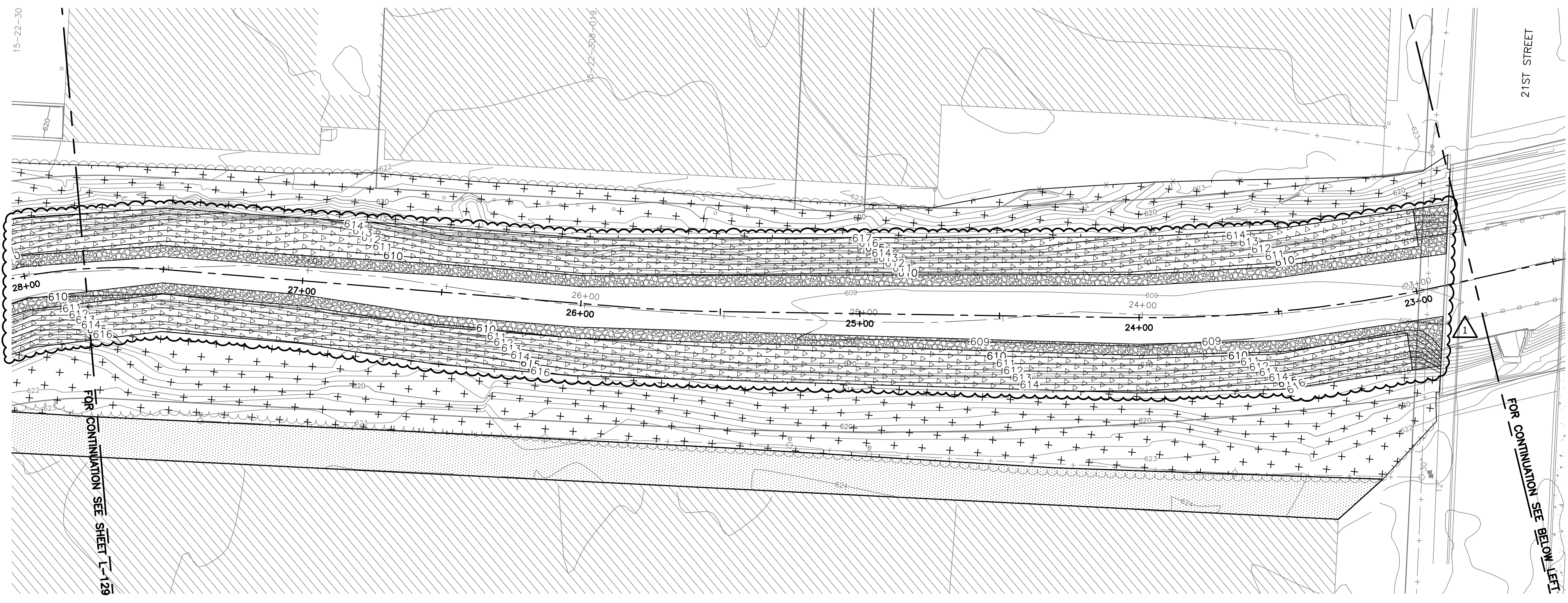
CONTRACT 11-187-3F
ADDISON CREEK CHANNEL IMPROVEMENTS

LANDSCAPE PLAN - REACH 9
STA. 38+00 TO STA. 27+80

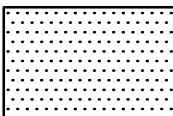
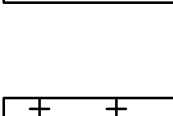
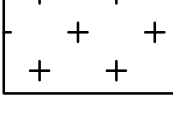


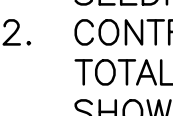
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Page Number: 374



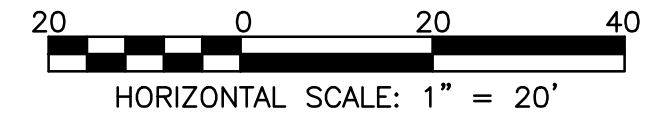
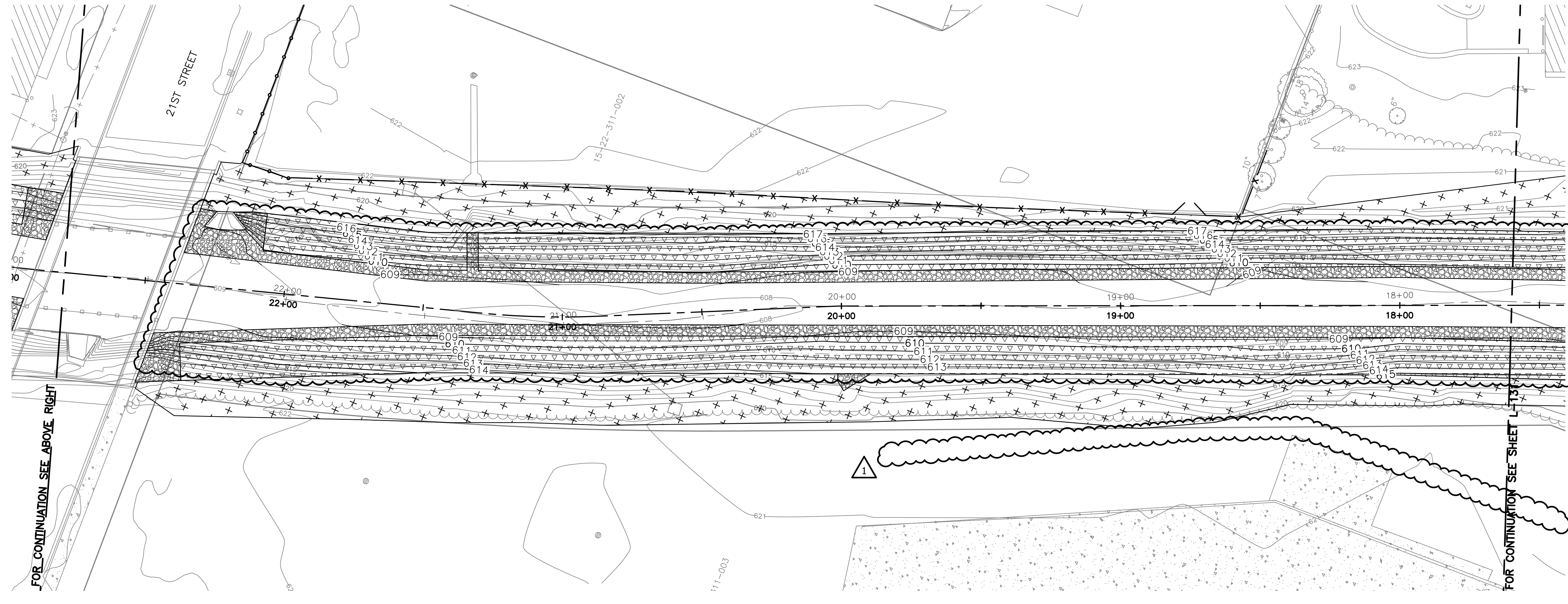
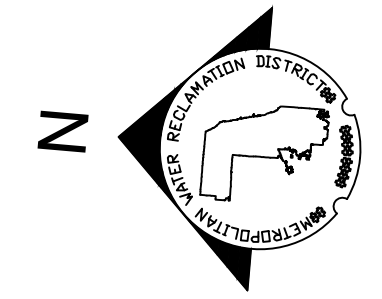
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Engineering, Ecology and Landscape Architecture
CHICAGO, ILLINOIS 60631
OFFICE (773) 699-9200
Chicago@HEYASAC.COM
LICENSE NO. 18404289



LANDSCAPE LEGEND

-  TURF SEED
-  6 IN. TOPSOIL
-  EROSION CONTROL BLANKET
-  STREAMBANK SEED
-  6 IN. TOPSOIL
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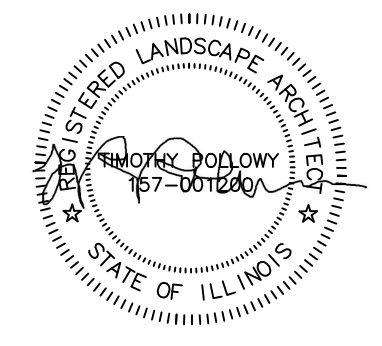
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Drawn by:	KSS	Reviewed by:	JAW
Scale:	AS SHOWN	Date:	2022

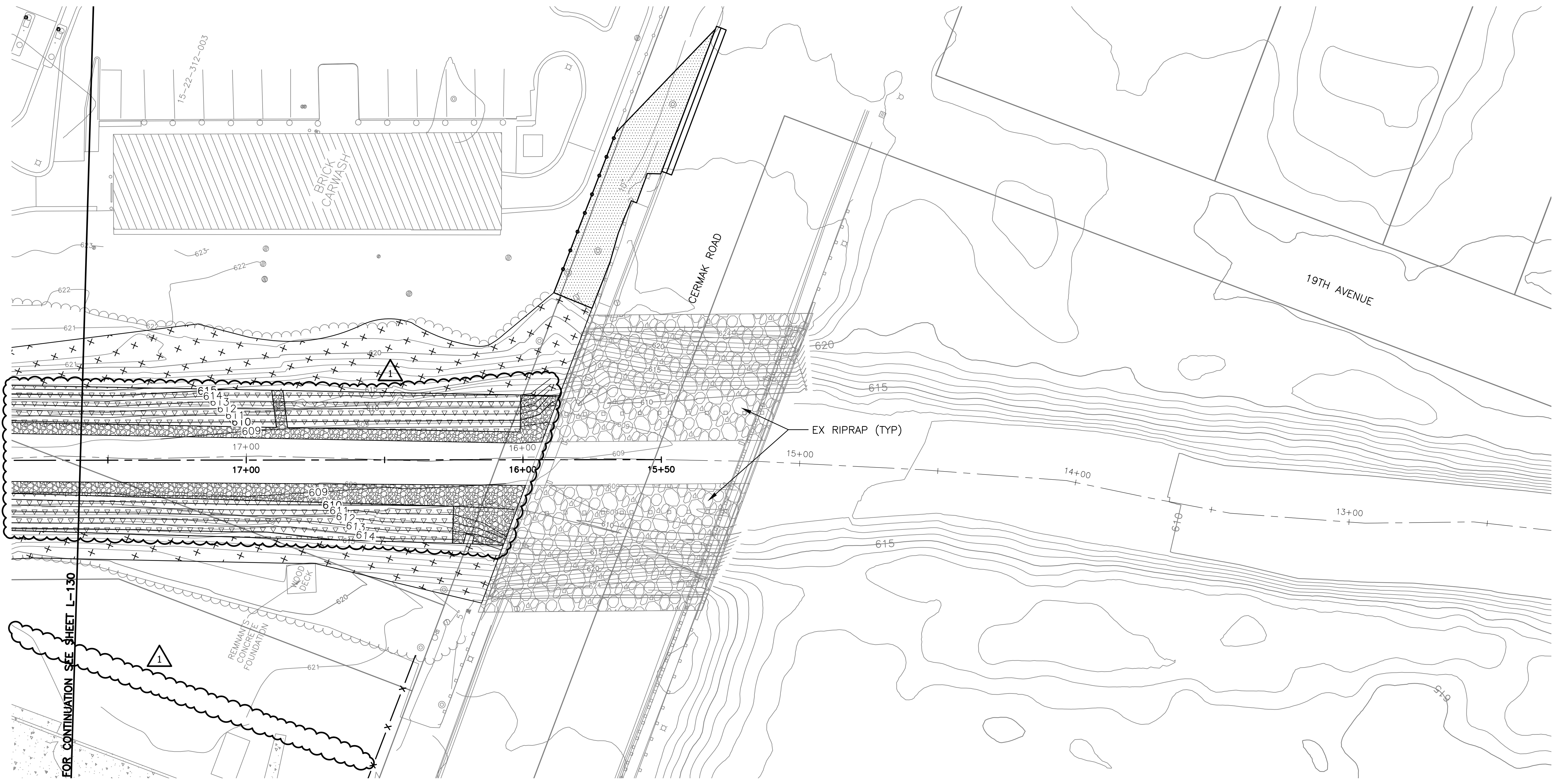
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LANDSCAPE PLAN - REACH 9
 STA. 27+80 TO STA. 17+60

Sheet Number:
L-130
 Page Number: 375

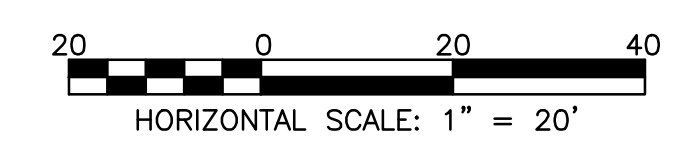
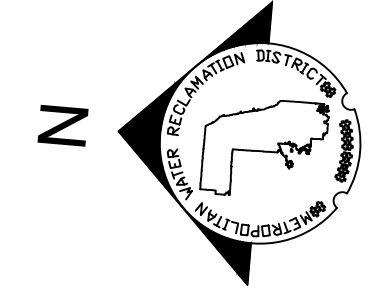




LANDSCAPE LEGEND

- TURF SEED
- 6 IN. TOPSOIL
- EROSION CONTROL BLANKET
- STREAMBANK SEED
- 6 IN. TOPSOIL
- EROSION CONTROL BLANKET

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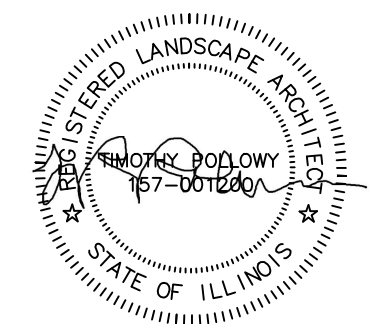
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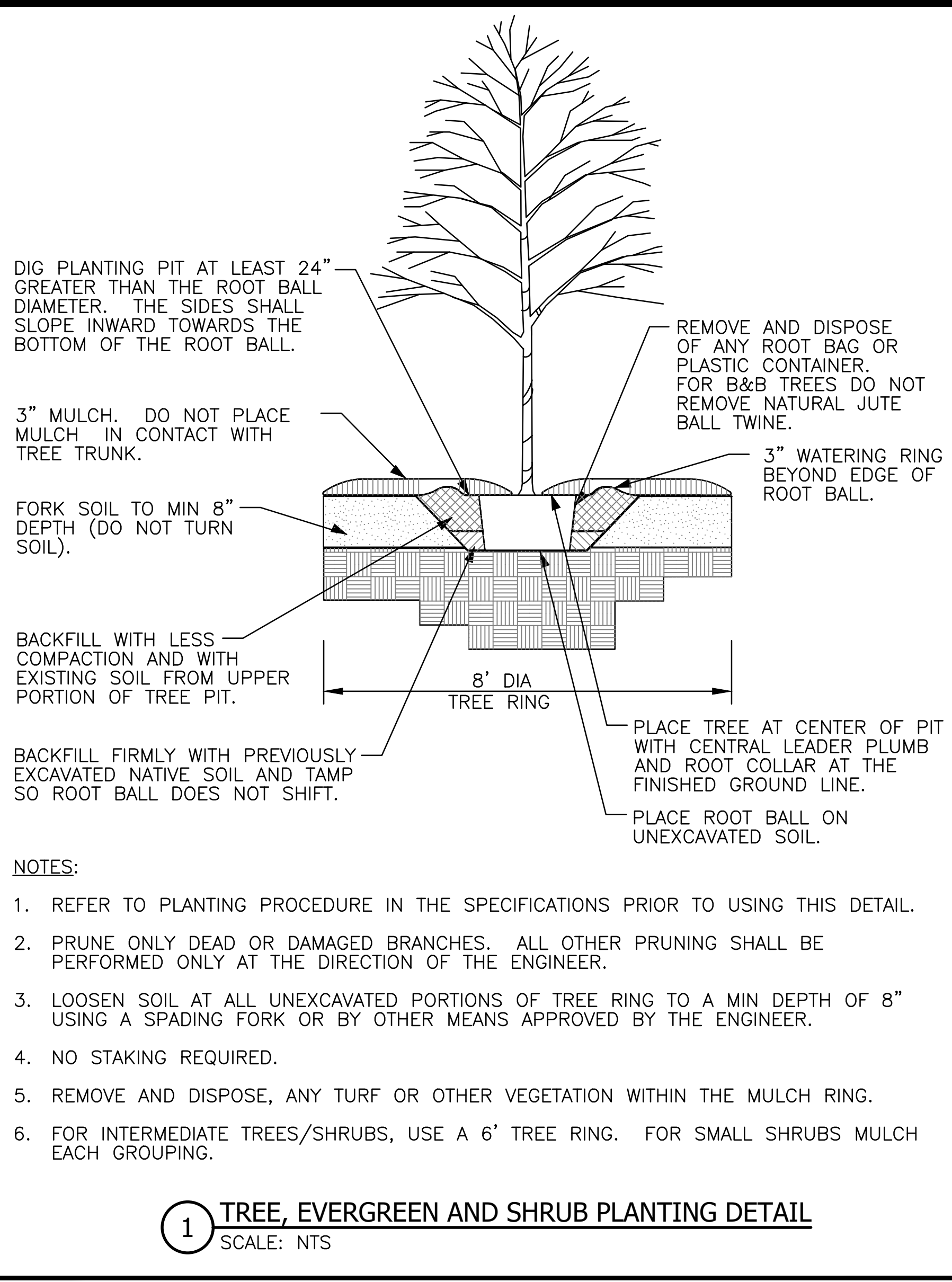
CONTRACT 11-187-3F
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LANDSCAPE PLAN - REACH 9
 STA. 17+60 TO STA. 15+50

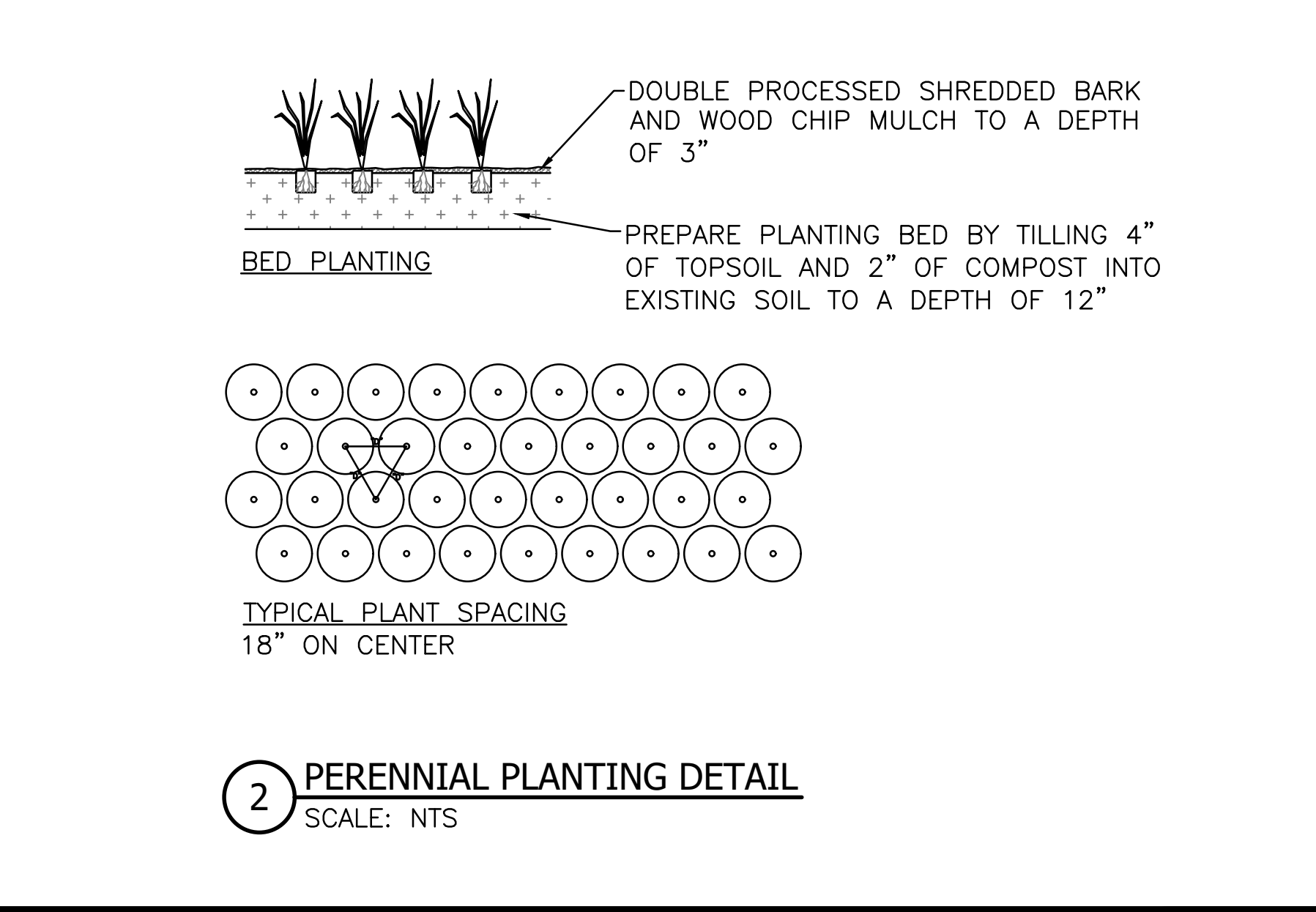
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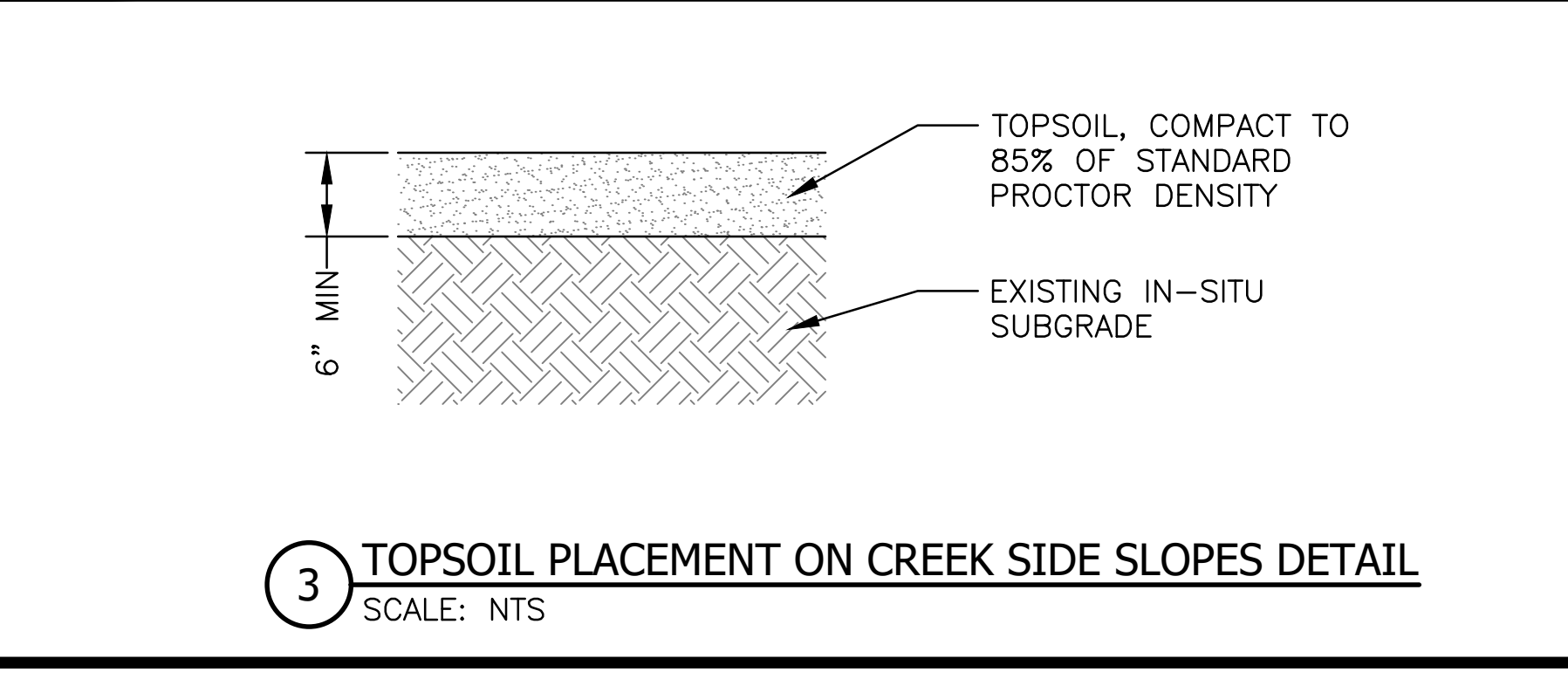




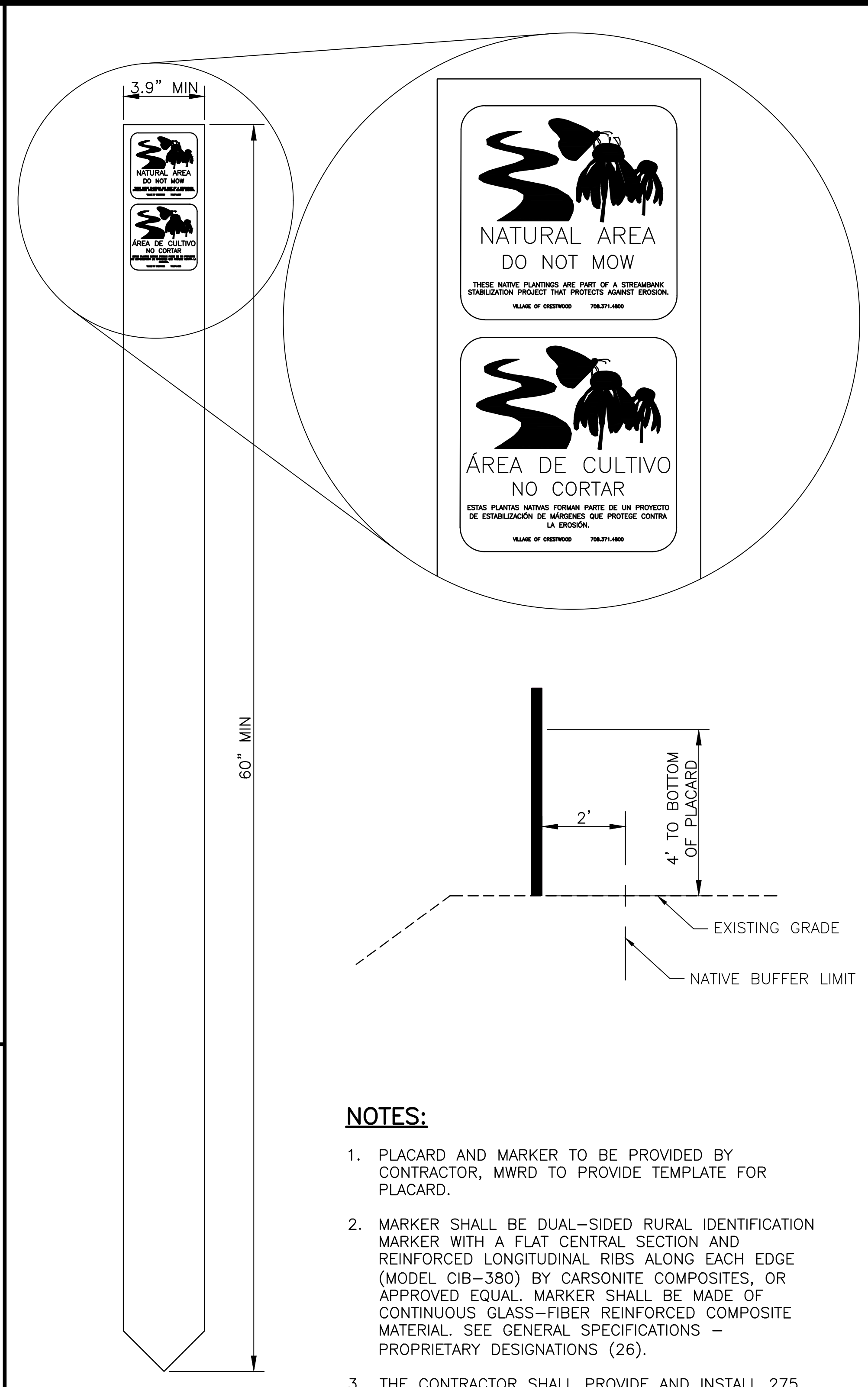
1 TREE, EVERGREEN AND SHRUB PLANTING DETAIL
 SCALE: NTS



2 PERENNIAL PLANTING DETAIL
 SCALE: NTS



3 TOPSOIL PLACEMENT ON CREEK SIDE SLOPES DETAIL
 SCALE: NTS



4 NATIVE VEGETATION PLACARD DETAIL
 SCALE: NTS

- NOTES:**
1. PLACARD AND MARKER TO BE PROVIDED BY CONTRACTOR, MWRD TO PROVIDE TEMPLATE FOR PLACARD.
 2. MARKER SHALL BE DUAL-SIDED RURAL IDENTIFICATION MARKER WITH A FLAT CENTRAL SECTION AND REINFORCED LONGITUDINAL RIBS ALONG EACH EDGE (MODEL CIB-380) BY CARSONITE COMPOSITES, OR APPROVED EQUAL. MARKER SHALL BE MADE OF CONTINUOUS GLASS-FIBER REINFORCED COMPOSITE MATERIAL. SEE GENERAL SPECIFICATIONS - PROPRIETARY DESIGNATIONS (26).
 3. THE CONTRACTOR SHALL PROVIDE AND INSTALL 275 NATIVE VEGETATION SIGNS. THE LOCATIONS OF THE SIGNS WILL BE DETERMINED BY THE RESIDENT ENGINEER DURING CONSTRUCTION.
 4. PLACARD SHALL BE GREEN WITH WHITE TEXT. MARKERS SHALL BE WHITE.

PLANTING SCHEDULE

Code	Botanic Name	Common Name	Size	Qty
Shade Trees				
CEOC	Celtis occidentalis	Hackberry	2.5" cal. BB	18
GYDI	Gymnocladus dioicus	Kentucky Coffee Tree	2.5" cal. BB	9
QUBI	Quercus bicolor	Swamp White Oak	2.5" cal. BB	16
TIAM	Tilia americana 'Redmond'	Redmond Linden	2.5" cal. BB	11
Ornamental Trees				
AMGR	Amelanchier x grandiflora 'Autumn Brilliance'	Autumn Brilliance Serviceberry	8' ht. BB	3
CACA	Carpinus caroliniana	American Hornbeam	2" cal. BB	3
Evergreens				
PIAB	Picea abies	Norway Spruce	8' ht. BB	7
THOC	Thuja occidentalis 'Nigra'	Dark Green Arborvitae	6' ht. BB	9
Shrubs				
ARME	Aronia melanocarpa	Black Chokeberry	30" ht. BB/CT	57
HYAR	Hydrangea arborescens 'Annabelle'	Annabelle Hydrangea	18" ht. #5 cont.	21
MIDE	Microbiota decussata	Russian Arborvitae	15" sprd. #2 cont.	8
RORA	Rosa Knock Out Pink Double	Rosa 'Radtkopink'	15" ht. #3 cont.	14
VIDE	Viburnum dentatum	Arrowwood Viburnum	30" ht. BB/CT	29
Perennials				
ACMI	Achillea millefolium 'Moonshine'	Moonshine Yarrow	6" ht. #1 cont.	128
ALSU	Allium 'Summer Beauty'	Summer Beauty Onion	6" ht. #1 cont.	182
AMTA	Amsonia tabernaemontana 'Blue Ice'	Blue Star	6" ht. #1 cont.	100
ECMA	Echinacea 'Magnus'	Magnus Coneflower	6" ht. #1 cont.	247
HEST	Hemerocallis 'Stella D'oro	Stella D'oro Daylily	6" ht. #1 cont.	382
LISP	Liatris spicata 'Kobold'	Kobold Gayfeather	6" ht. #1 cont.	18
NERA	Nepeta racemosa 'Walker's Low'	Walker's Low Catmint	6" ht. #1 cont.	197
RUHU	Ruellia humilis	Wild Petunia	6" ht. #1 cont.	75
SCSC	Schizachyrium scoparium	Little Bluestem	12" ht. #1 cont.	134
SPHE	Sporobolus heterolepis	Prairie Dropseed	6" ht. #1 cont.	531

SEEDING SCHEDULE

Botanic Name	Common Name	Ounces/Acre
Steambank Seed Mix		
Bromus kalmii	Prairie Brome	16
Elymus canadensis	Canada Wild Rye	32
Elymus virginicus	Virginia Wild Rye	48
Panicum virgatum	Switch Grass	48
Schizachyrium scoparium	Little Bluestem	32
Lolium multiflorum	Annual Rye Grass	480
Turf Seed Mix		
Fine Fescue Mix		200
Perennial Rye Mix		50
Total:	250	100%

- a. Fine Fescue Mix shall be a blend of creeping red, chewing, hard and sheep's fescue; acceptable commercial blends include Highlands Fescue Mix, Legend fine Fescue Blend and Greenskeeper National Links Mixture.
- b. Perennial Rye Mix shall be a blend of at least three improved cultivars selected for disease resistance.

Rev.	Description	Appr.	Date
1	ADDENDUM NO. 2	TRP	01/06/23

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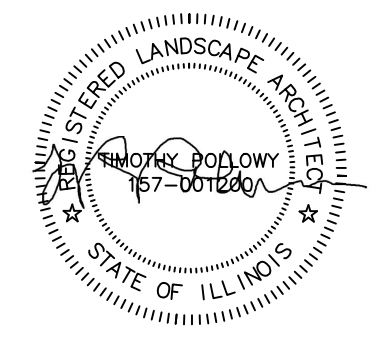
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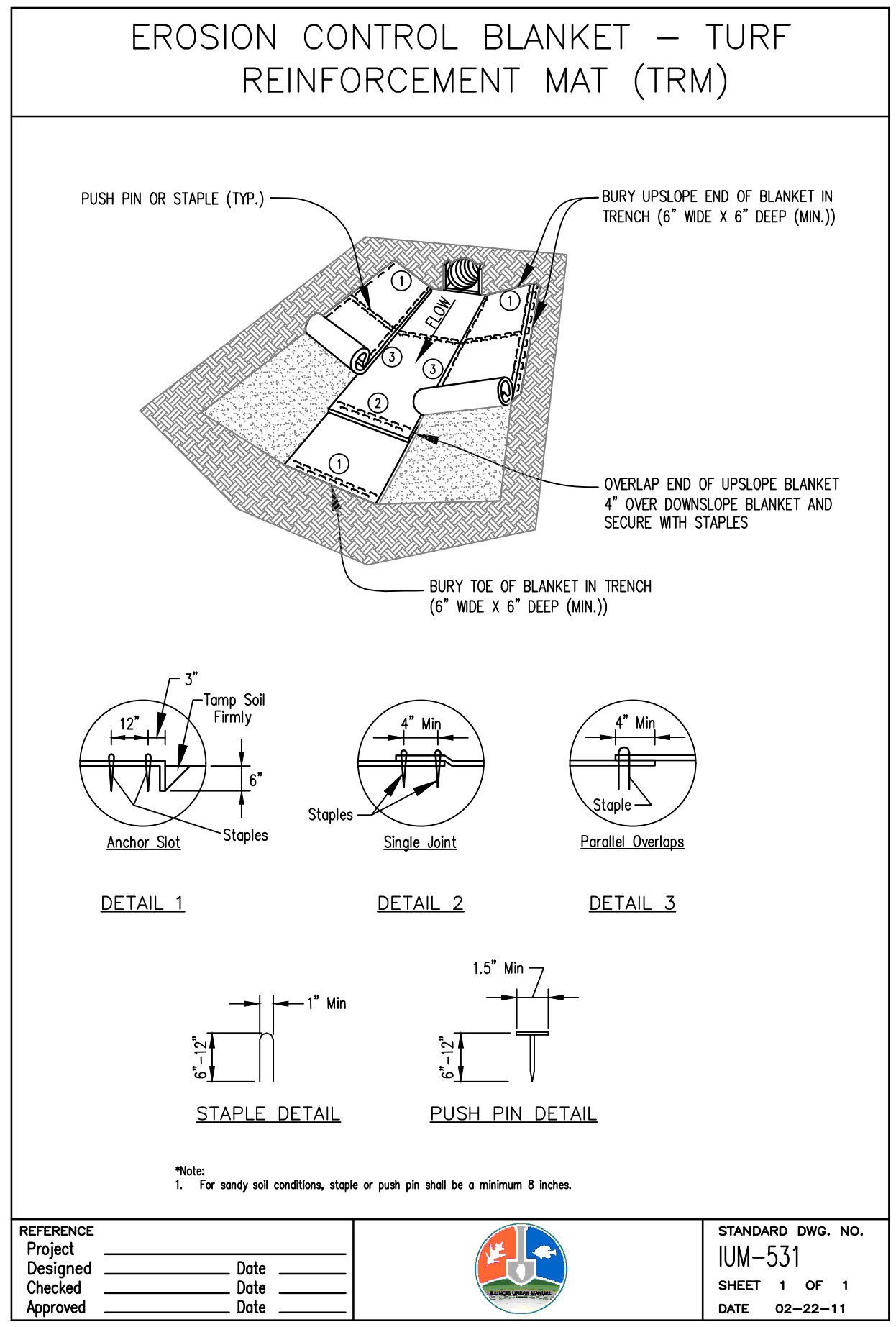
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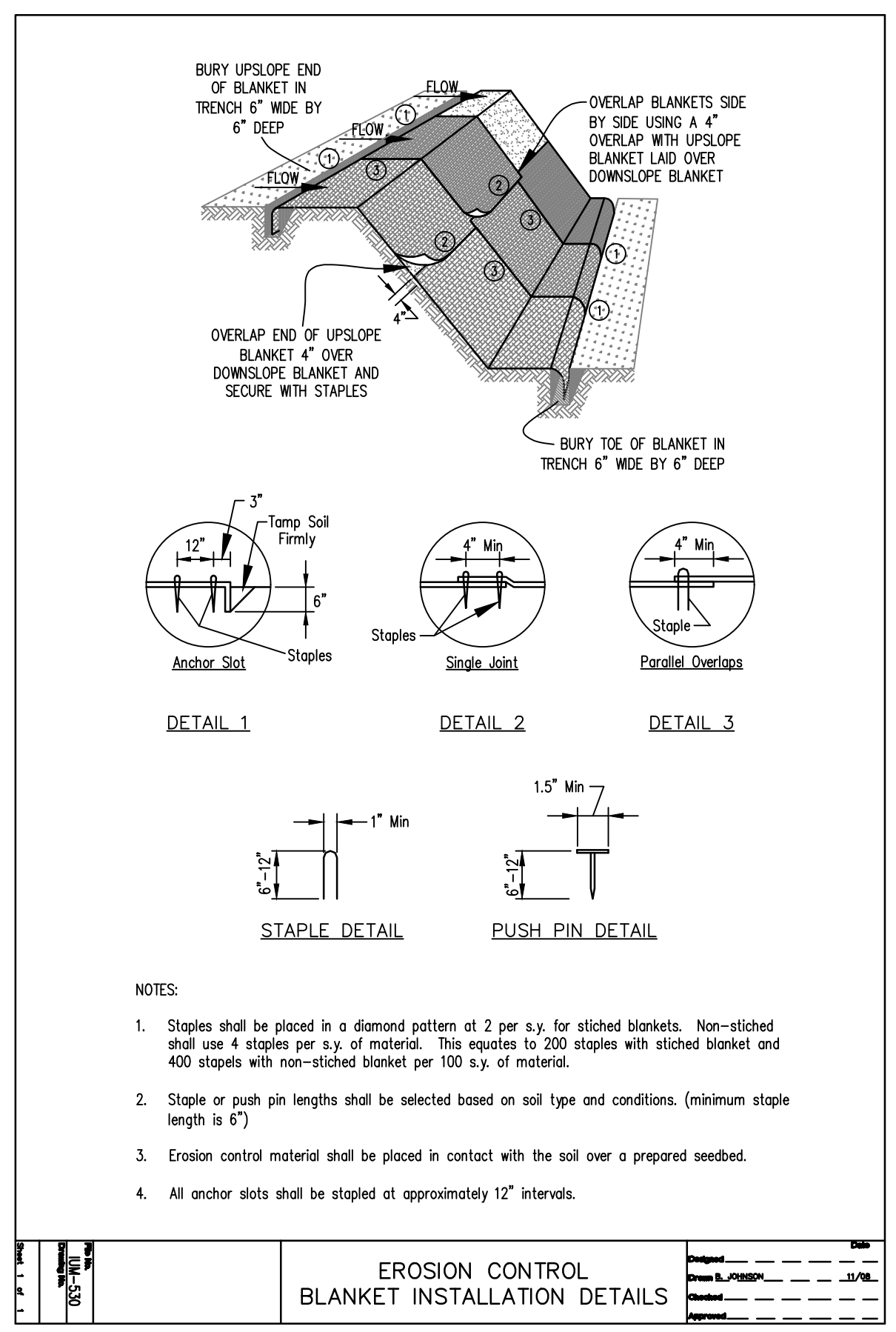
CONTRACT 11-187-3F
 ADDISON CREEK CHANNEL IMPROVEMENTS

LANDSCAPE DETAILS

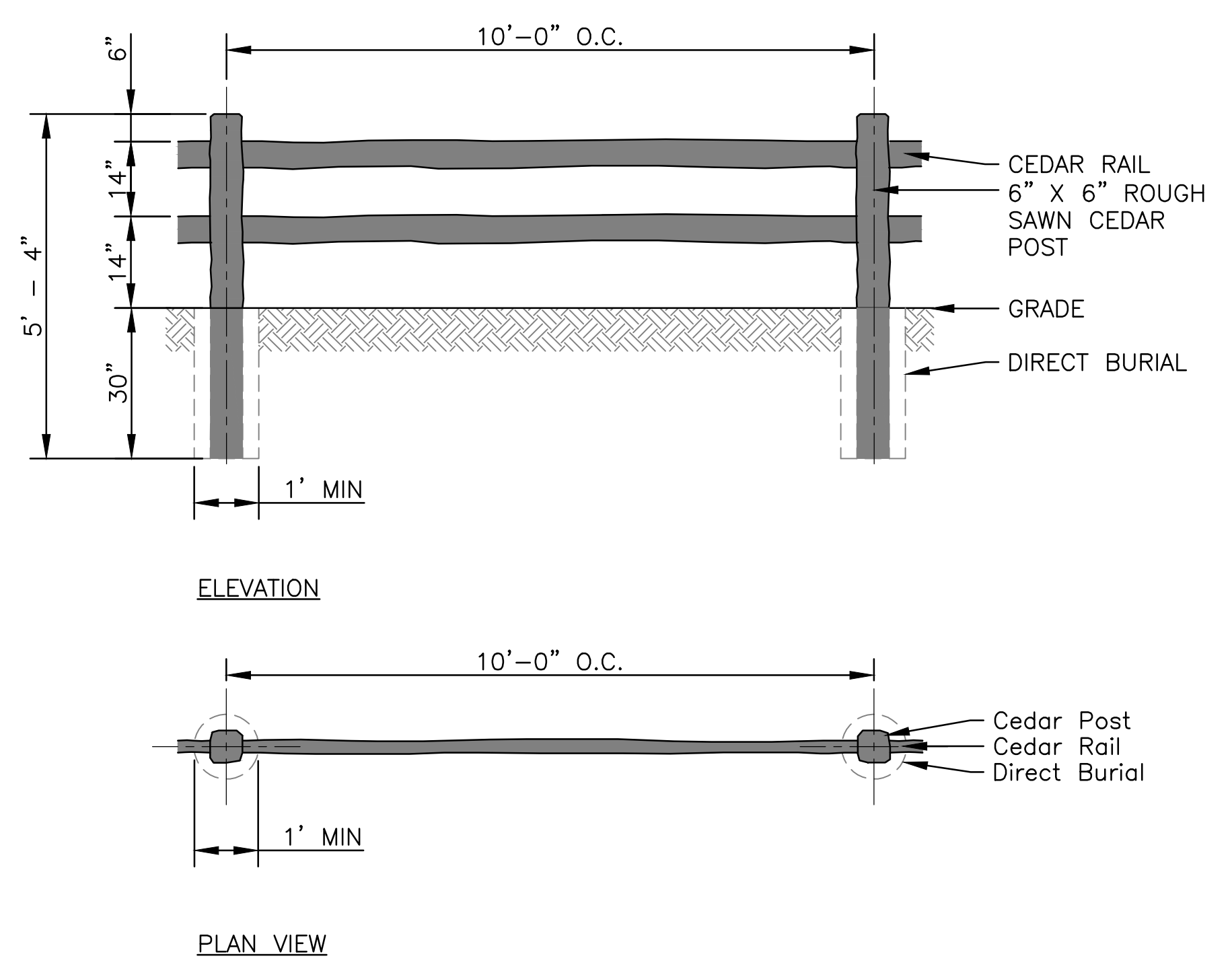




1 EROSION CONTROL BLANKET DETAIL
SCALE: NTS



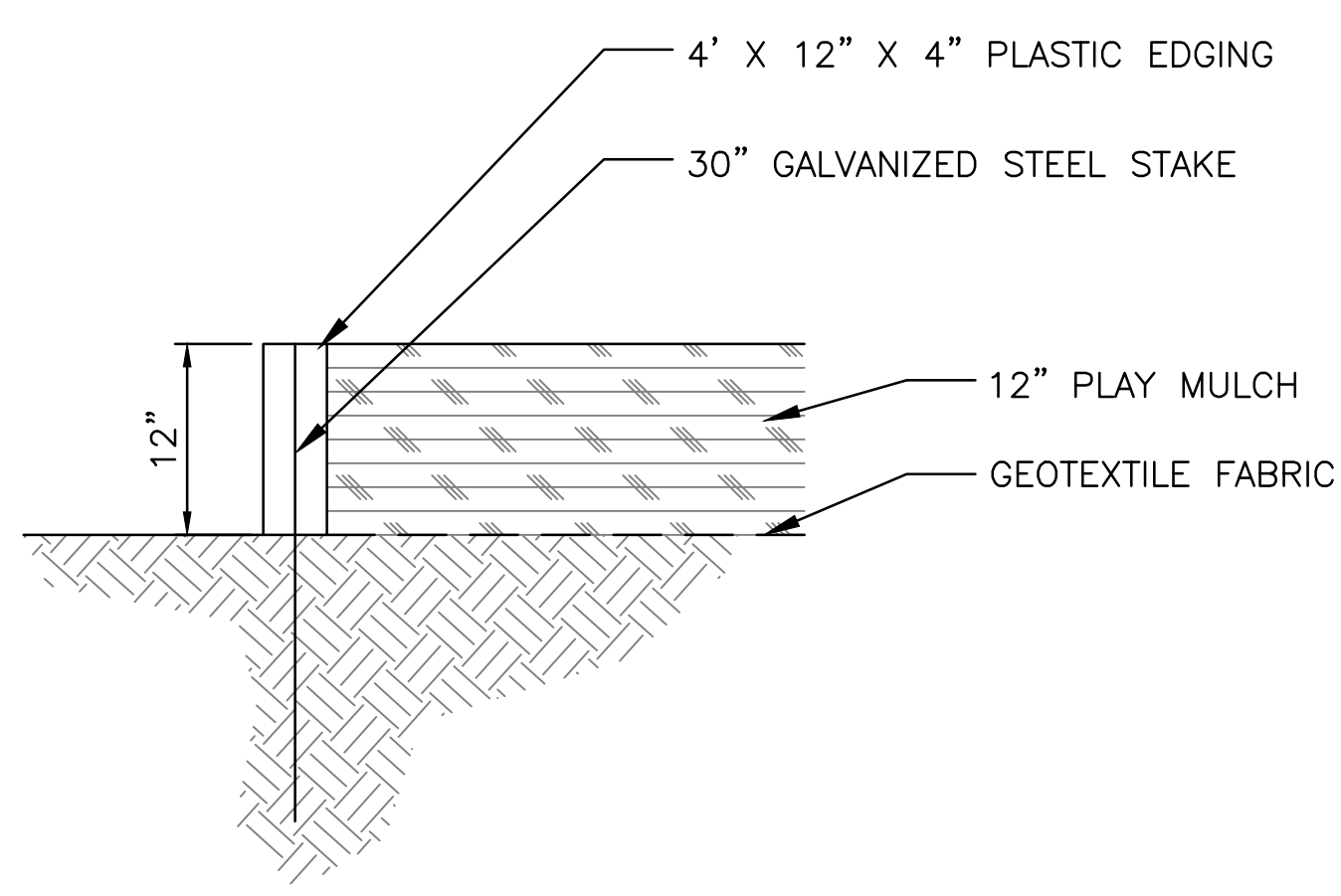
EROSION CONTROL BLANKET INSTALLATION DETAILS



NOTES:

1. CONTRACTOR SHALL SUBMIT AND PROVIDE DATA FOR FENCE POSTS, RAILS, AND ALL OTHER ACCESSORIES REQUIRED.
2. PRIOR TO INSTALLATION OF THE FENCE, SAMPLES OF THE POSTS, RAILS, AND ALL ACCESSORIES SHALL BE PROVIDED TO THE ENGINEER FOR APPROVAL.

2 SPLIT RAIL FENCE, 2-RAIL DETAIL
SCALE: NTS



3 PLAY EQUIPMENT EDGING DETAIL
SCALE: NTS

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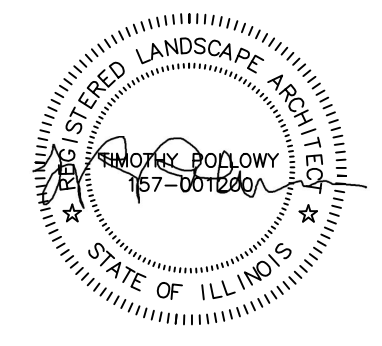
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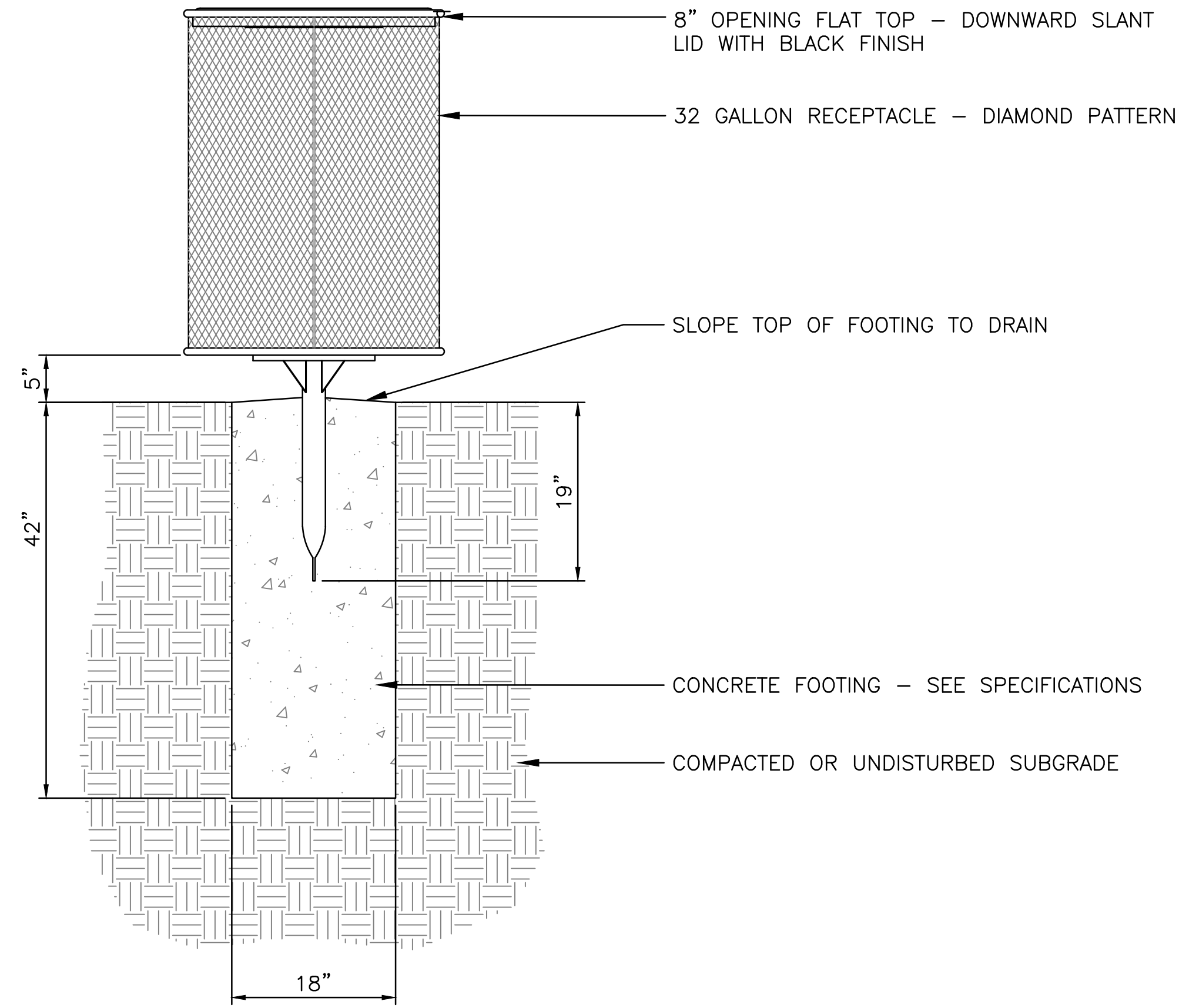
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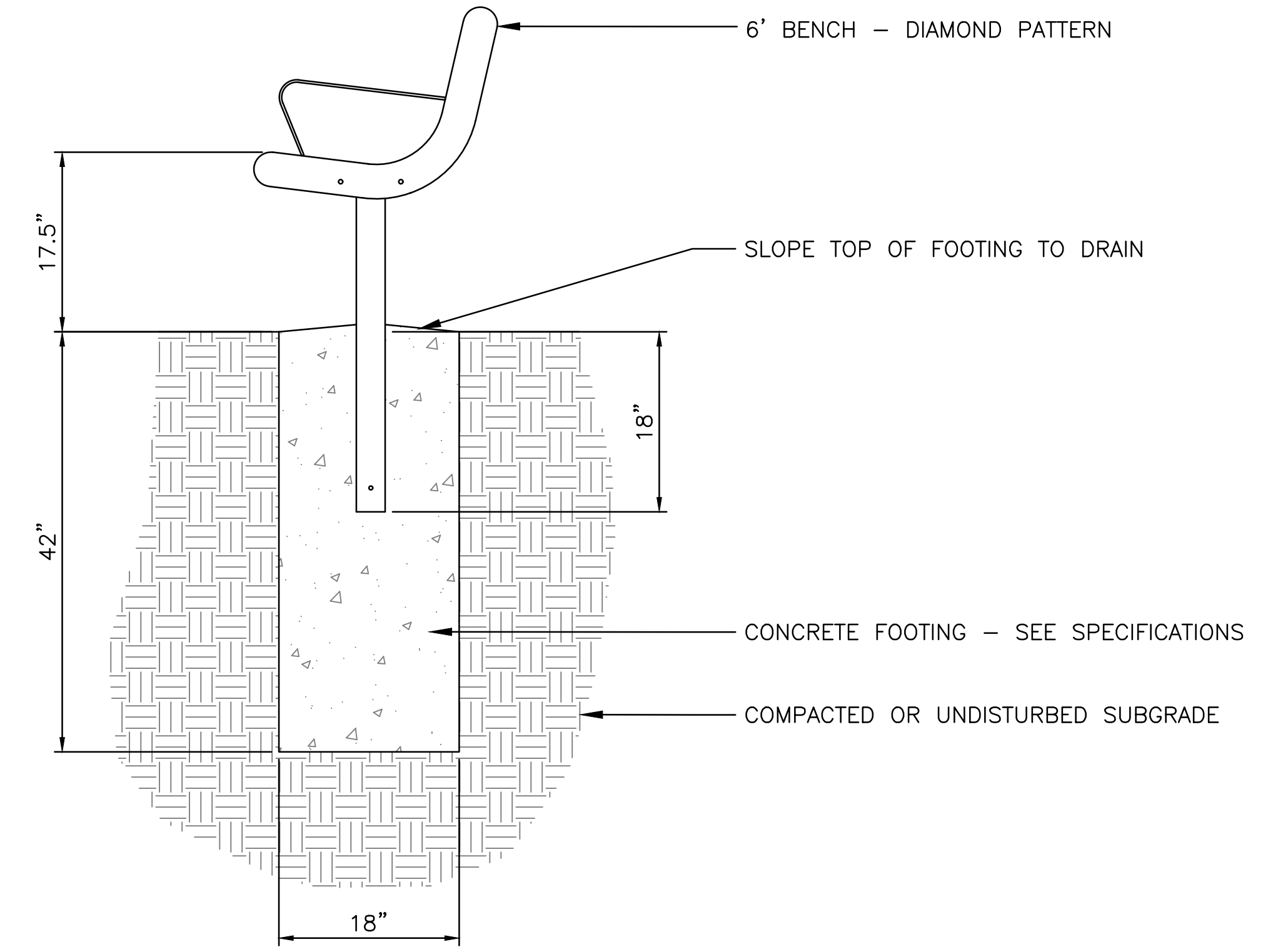
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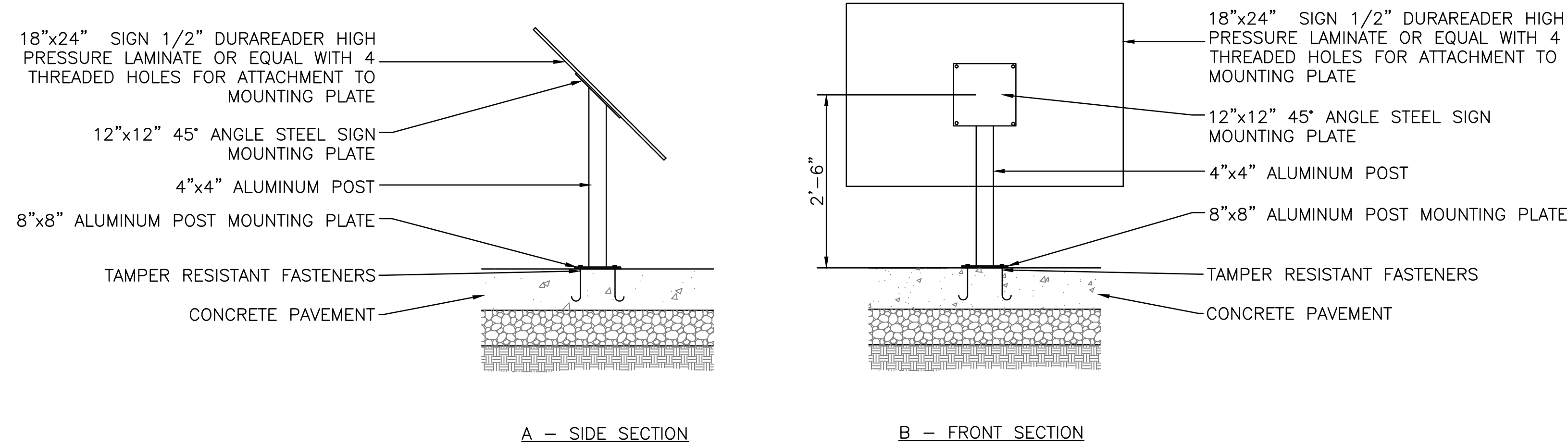
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1 TRASH RECEPTACLE DETAIL
SCALE: NTS

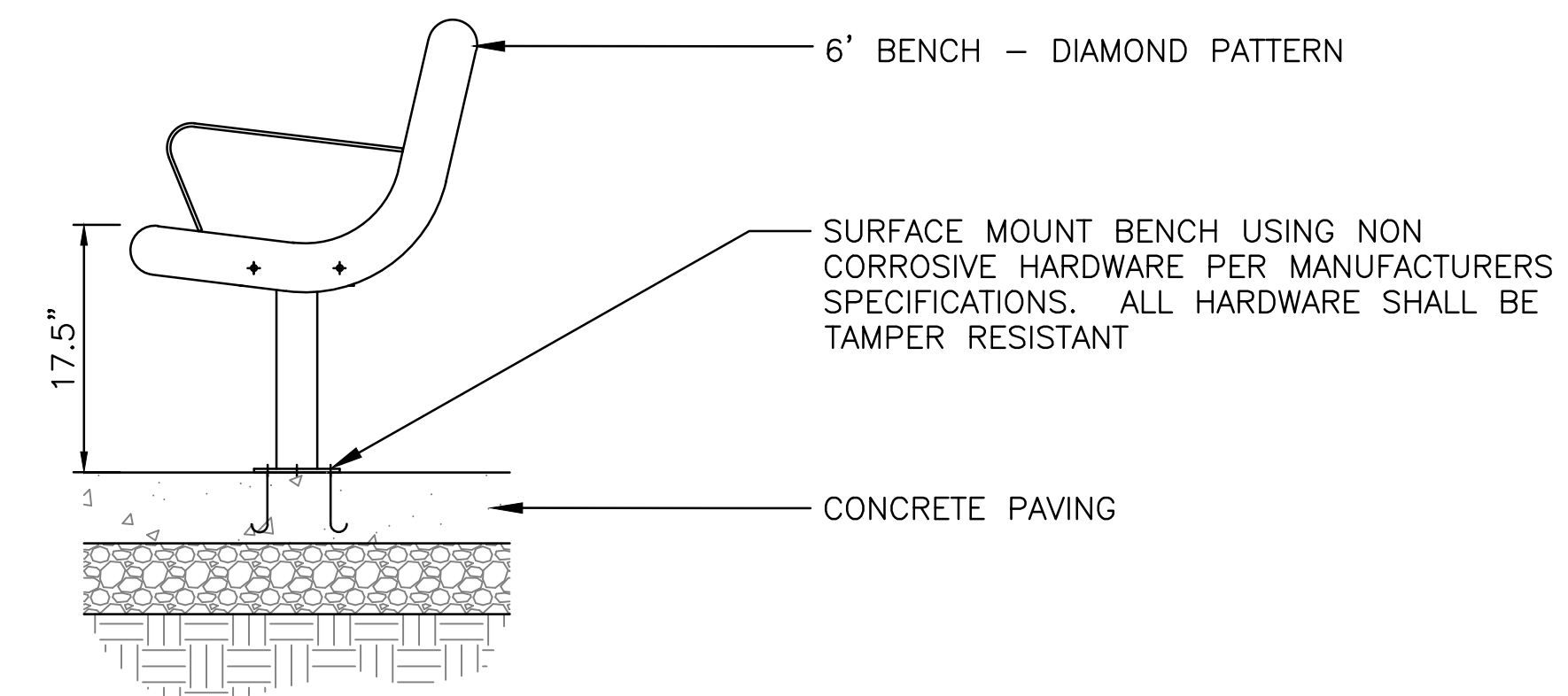


2 BENCH - INGROUND DETAIL
SCALE: NTS



3 INTERPRETIVE SIGN DETAIL
SCALE: NTS

- NOTES:
 1. POST AND MOUNTING PLATES TO BE POWDERCOATED.
 2. SIGNAGE GRAPHICS TO BE PROVIDED BY OWNER
 3. SIGNAGE TO INCLUDE GRAFFITI RESISTANT COATING



4 BENCH - SURFACE MOUNT DETAIL
SCALE: NTS

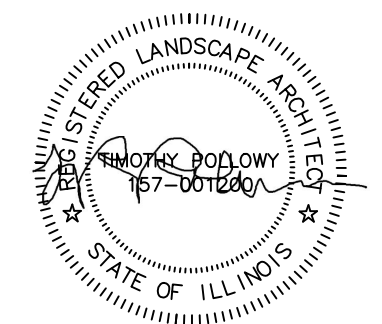
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 CHICAGO@HEYANSC.COM
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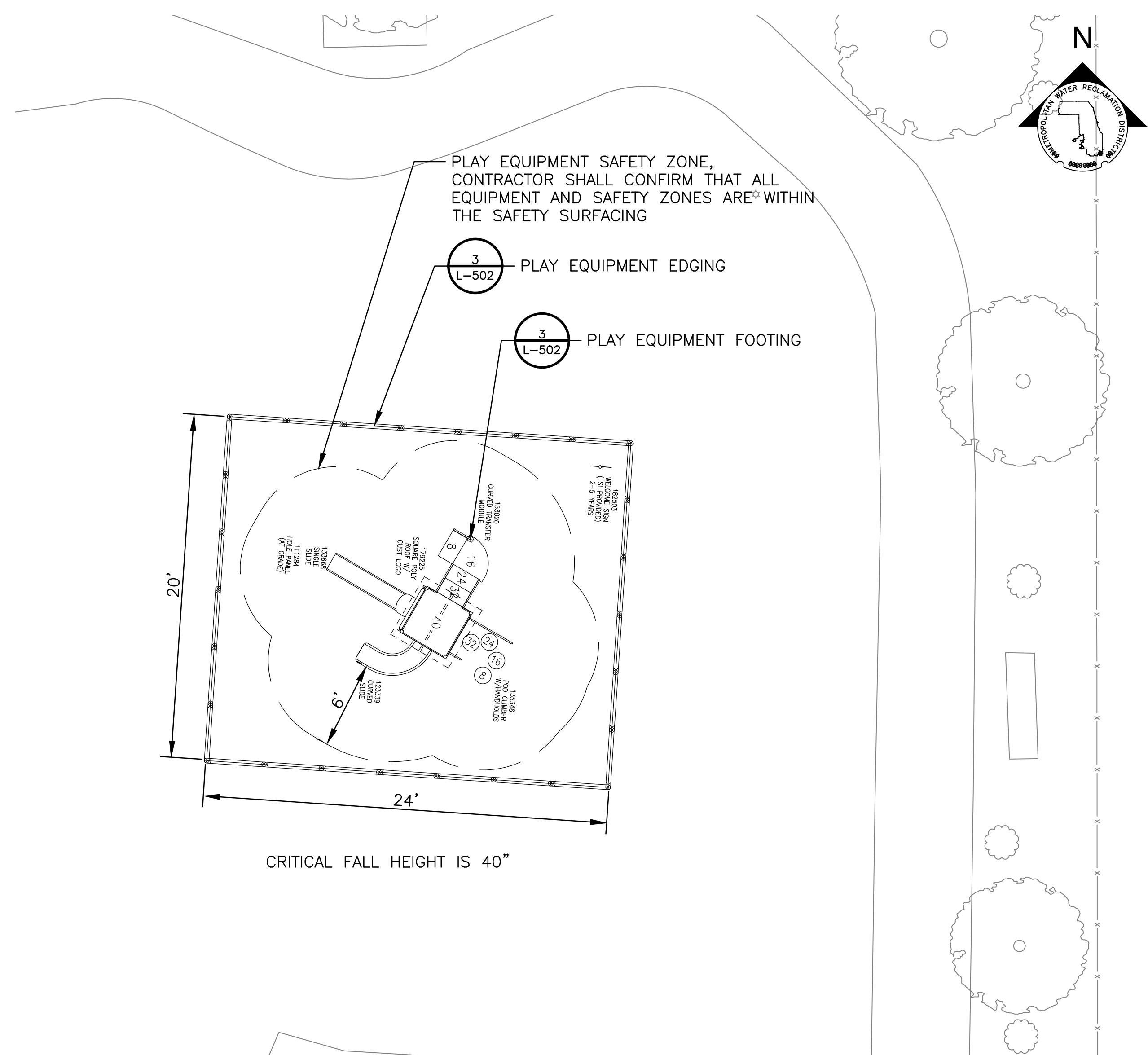
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 ADDISON CREEK CHANNEL IMPROVEMENTS

LANDSCAPE DETAILS



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PLAN VIEW
 SCALE: 1"=5'



3D VIEW

NOTES:

- BEFORE ANY EXCAVATION ON THE SITE CALL J.U.L.I.E. AT 811 TO LOCATE ANY EXISTING UTILITIES ON THE SITE. THE CONTRACTOR SHALL BE FAMILIAR WITH THE LOCATIONS OF ALL BURIED UTILITIES IN THE AREAS OF WORK BEFORE STARTING OPERATIONS. THE CONTRACTOR SHALL BE LIABLE FOR COST OF REPAIRING OR REPLACING ANY UNDERGROUND CONDUITS, CABLES OR PIPING DAMAGED DURING THE INSTALLATION OF THIS WORK.
- IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO PERFORM LAYOUT OF ALL PROJECT ELEMENTS AND POINTS FOR REVIEW BY ENGINEER PRIOR TO CONSTRUCTION.
- ALL FOOTINGS SHALL BE A MINIMUM OF 42" DEEP BELOW FINISHED GRADE. WHERE THE CONSTRUCTION DOCUMENTS OR MANUFACTURER SPECIFIES DEEPER FOOTINGS, THOSE DIMENSIONS SUPERCEDE THIS NOTE.
- NO EXCAVATIONS ARE TO BE LEFT OPEN TO INCLEMENT WEATHER, RAIN, SNOW, ETC. WHICH WOULD NECESSITATE FURTHER EXCAVATION AND ADDITIONAL SUBGRADE MATERIALS.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR ALL MATERIALS AND QUANTITIES AS REQUIRED TO COMPLETE THE WORK IN ACCORDANCE WITH THE PLANS AND SPECIFICATIONS. THE CONTRACTOR WILL NOTIFY THE ENGINEER IN WRITING OF ANY DISCREPANCIES OR CHANGES REQUIRED TO COMPLETE THE WORK BEFORE ANY ACTION MAY BE TAKEN. ALL CHANGES OR CHANGE ORDERS MUST BE APPROVED BY THE ENGINEER BEFORE ANY CHANGES ARE EXECUTED.

AMENITIES SCHEDULE

ITEM	QUANTITY	MANUFACTURER	MODEL	
CURVED SLIDE 40" DECK	1	LANDSCAPE STRUCTURES	123339A	OR APPROVED EQUAL
SINGLE SLIDE 40" DECK	1	LANDSCAPE STRUCTURES	133668A	OR APPROVED EQUAL
POD CLIMBER 40" DECK	1	LANDSCAPE STRUCTURES	135346D	OR APPROVED EQUAL
HOLE PANEL	1	LANDSCAPE STRUCTURES	111284A	OR APPROVED EQUAL
SQUARE POLY ROOF CUSTOM LOGO PANELS	1	LANDSCAPE STRUCTURES	179225A	OR APPROVED EQUAL
CURVED TRANSFER MODULE 40" DECK	1	LANDSCAPE STRUCTURES	153020B	OR APPROVED EQUAL
SQUARE TENDERDECK	1	LANDSCAPE STRUCTURES	111237A	OR APPROVED EQUAL
129" POST FOR ROOF	4	LANDSCAPE STRUCTURES	111396C	OR APPROVED EQUAL
WELCOME SIGN AGES 2-5 YEARS (DIRECT BURY)	1	LANDSCAPE STRUCTURES	182503A	OR APPROVED EQUAL
TUFFTIMBERS 4"	26	LANDSCAPE STRUCTURES	119214A	OR APPROVED EQUAL
30" GALVANIZED STAKE	26	LANDSCAPE STRUCTURES	100626A	OR APPROVED EQUAL

FINISHES SHALL BE POWDERCOAT/SEE SPECIFICATIONS FOR COLOR AND ADDITIONAL INFORMATION

1 TOT LOT PLAY STRUCTURE DETAIL
 SCALE: NTS

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 Engineering, Ecology and Landscape Architecture
 8755 WEST HERCULES ROAD, SUITE 835
 CHICAGO, ILLINOIS 60631
 OFFICE (773) 695-9200
 CHICAGO@HEYANDASSOCIATES.COM
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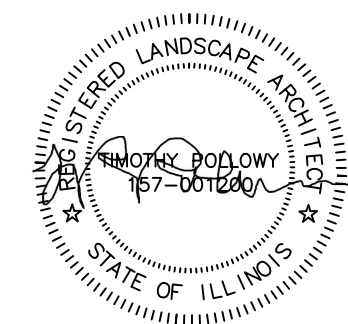
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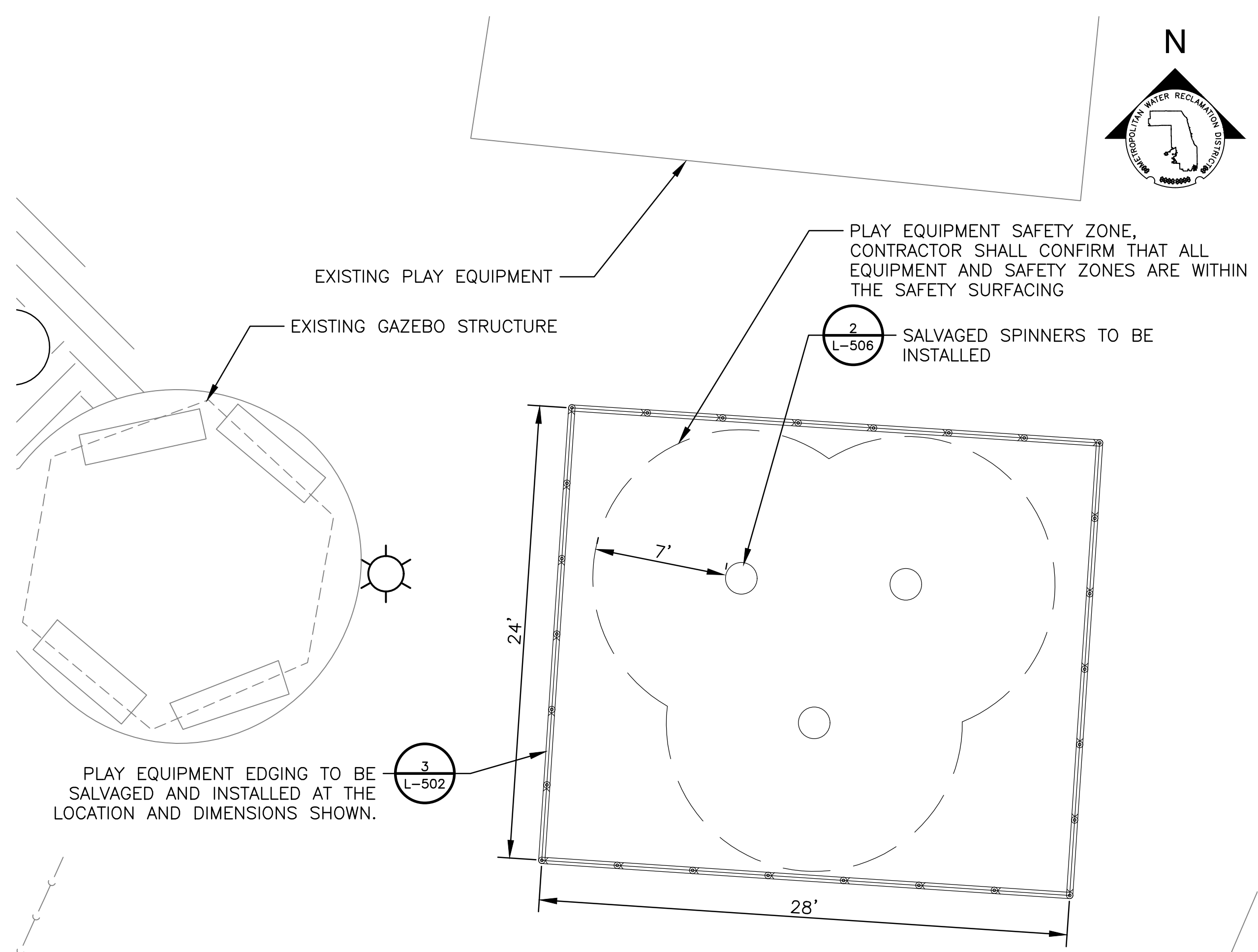
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LANDSCAPE DETAILS

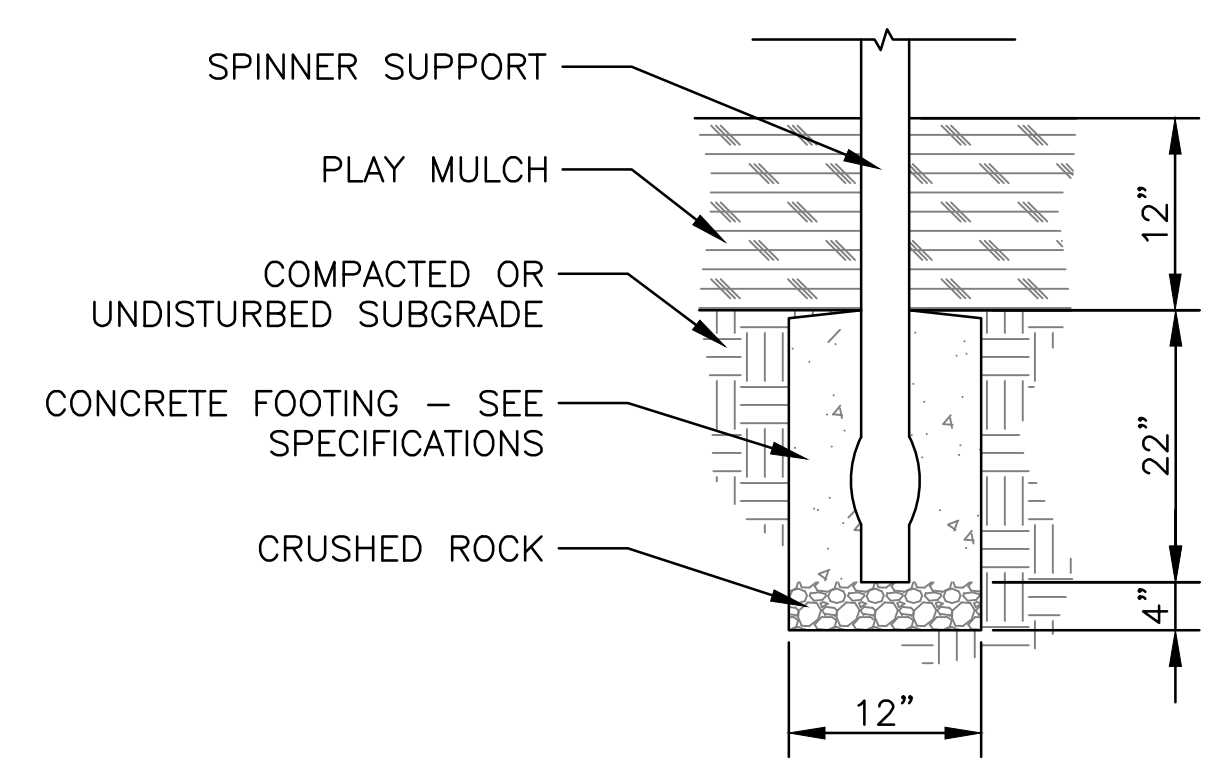
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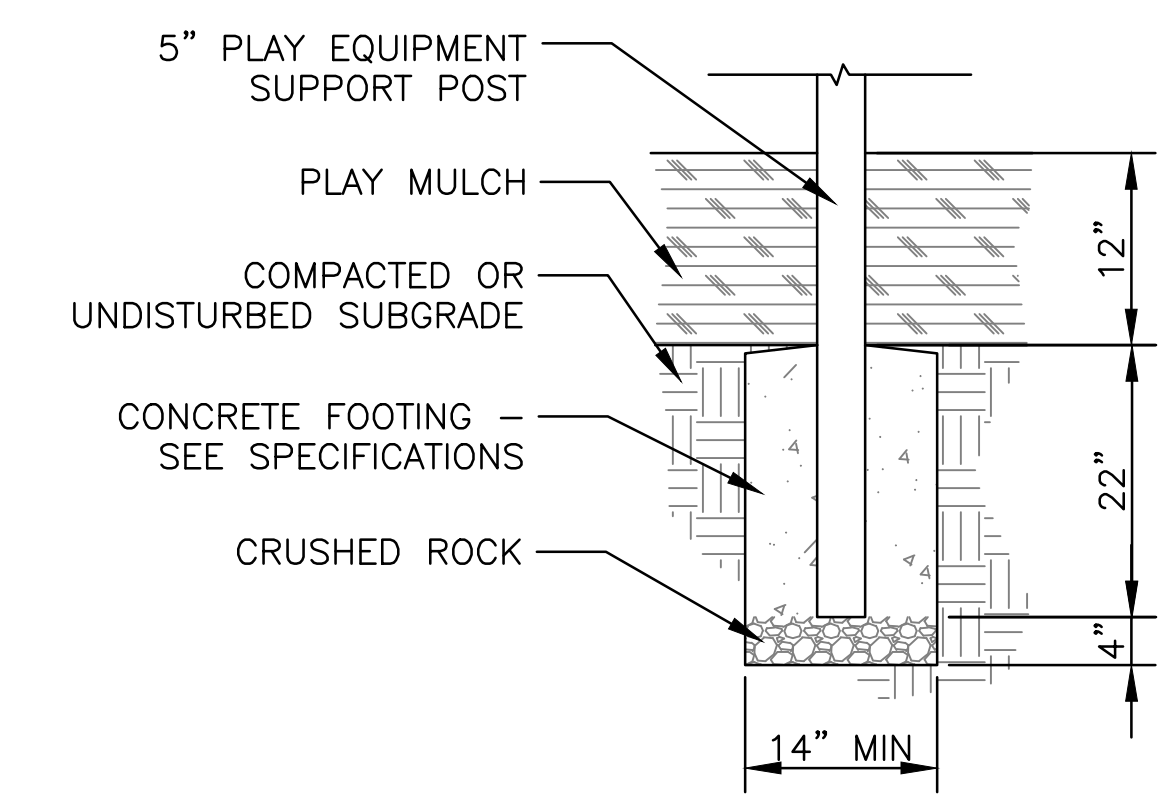
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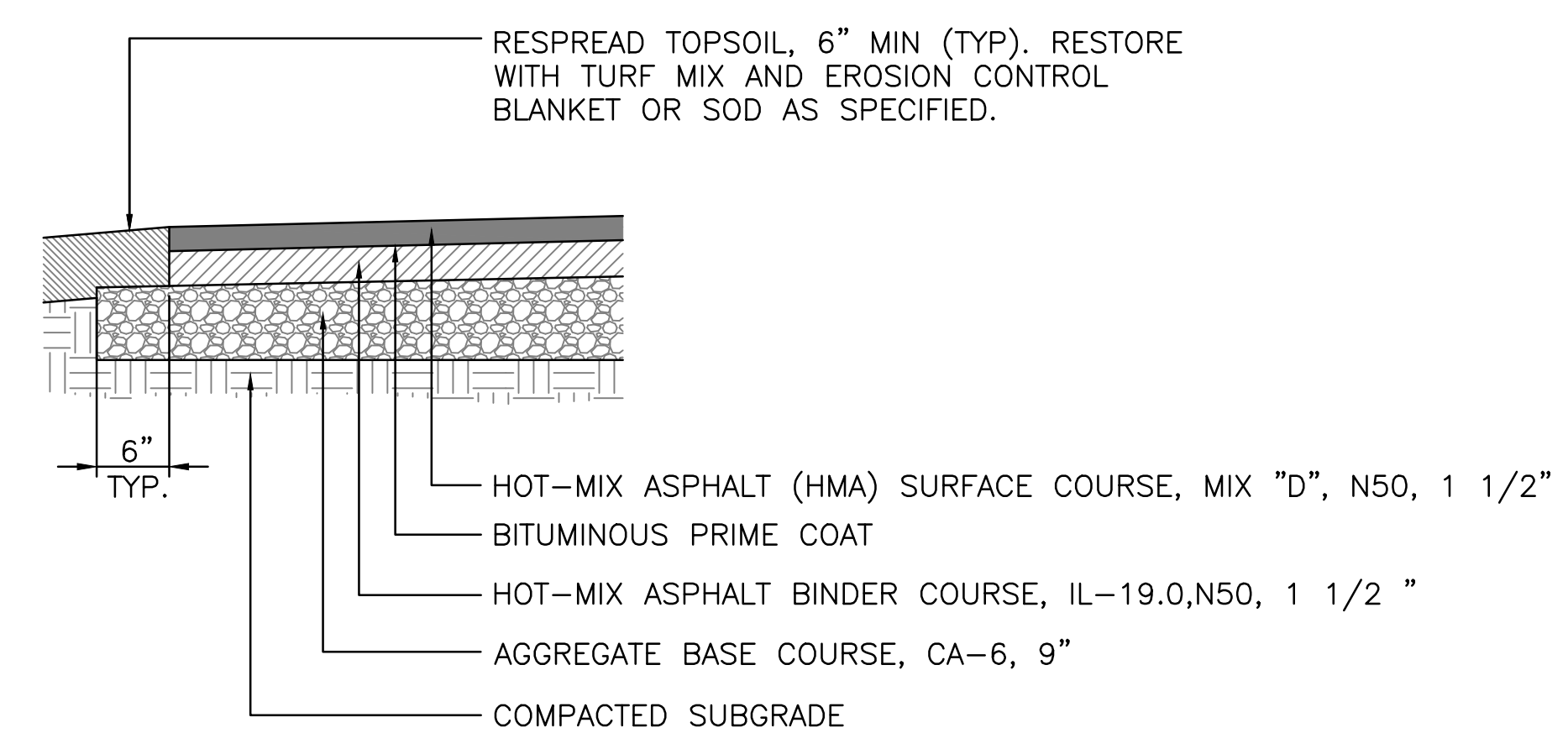
1 SALVAGED AND RELOCATED PLAY EQUIPMENT, SPINNERS
 SCALE: 1" = 5'



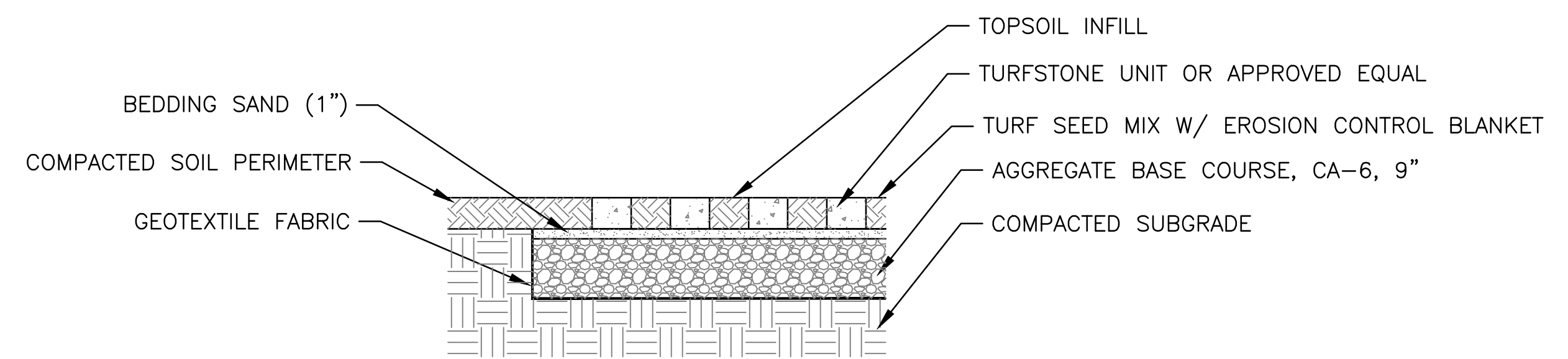
2 SPINNERS FOOTING DETAIL
 SCALE: NTS



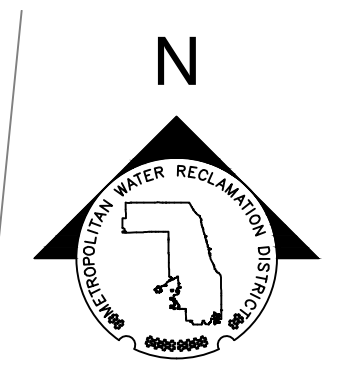
3 TOT LOT FOOTING DETAIL
 SCALE: NTS



4 HMA TRAIL DETAIL
 SCALE: NTS



5 REINFORCED TURF ACCESS DETAIL
 SCALE: NTS



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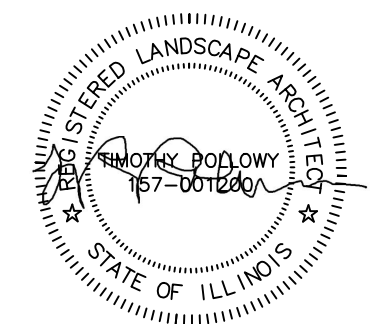
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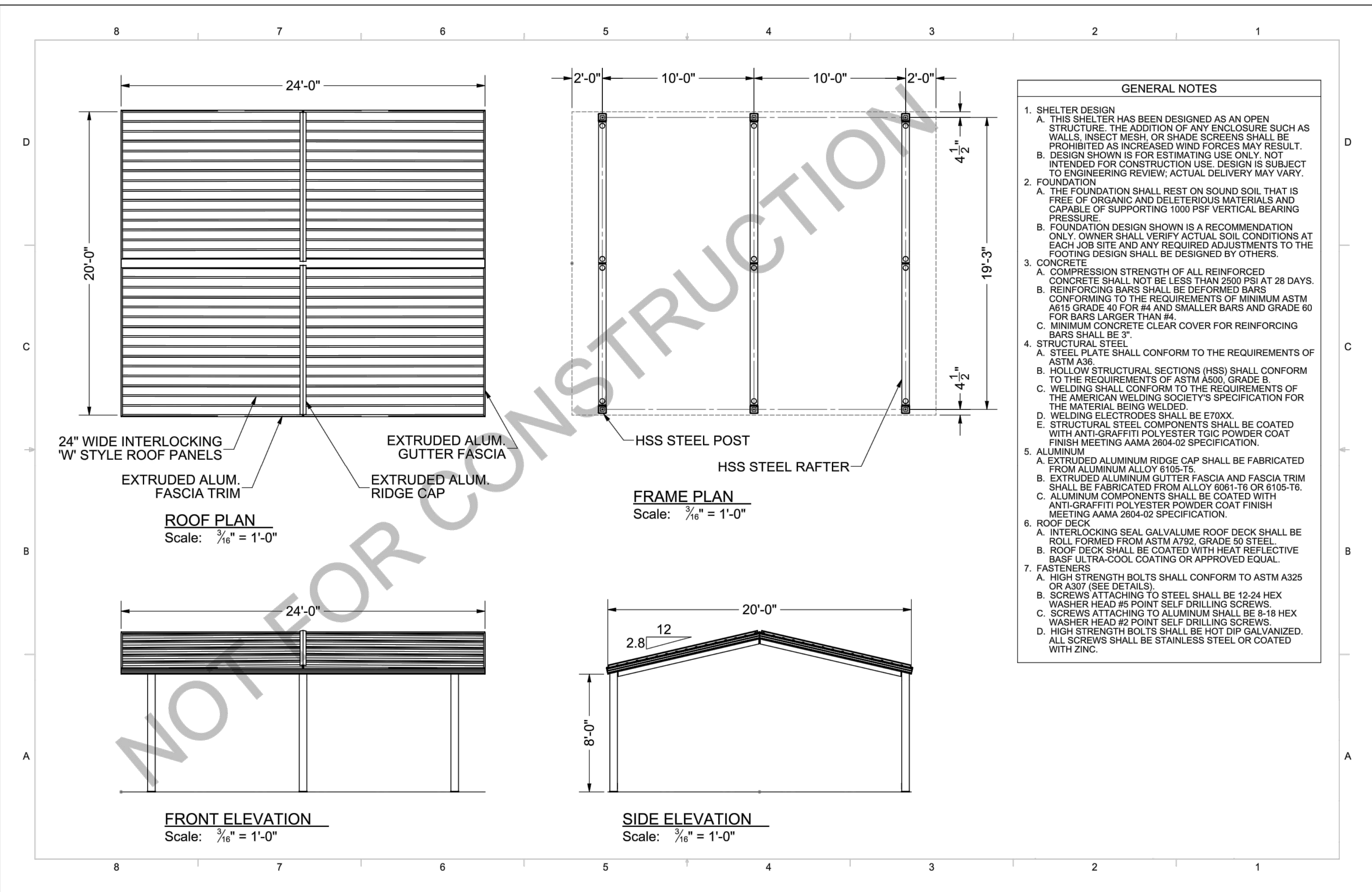
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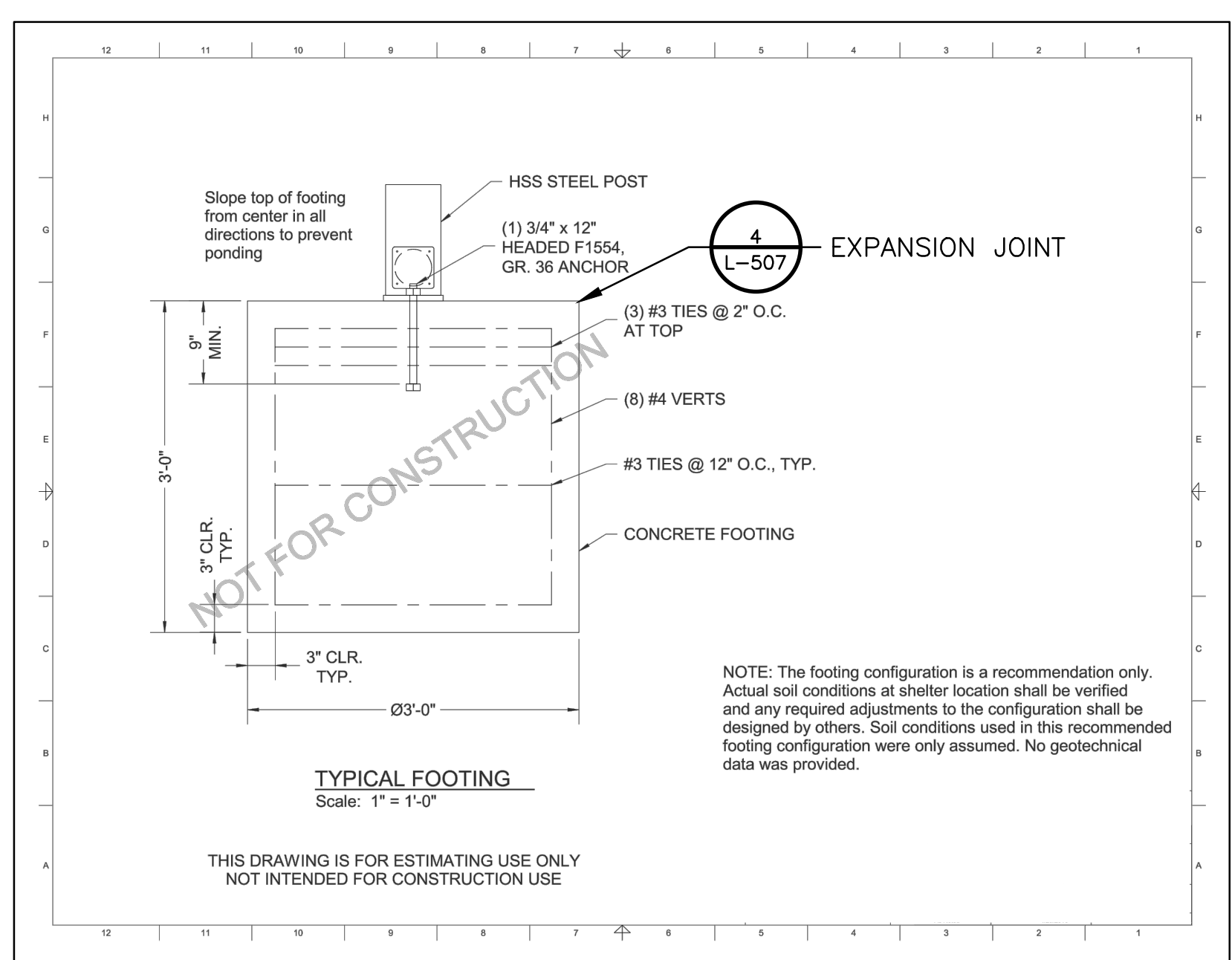
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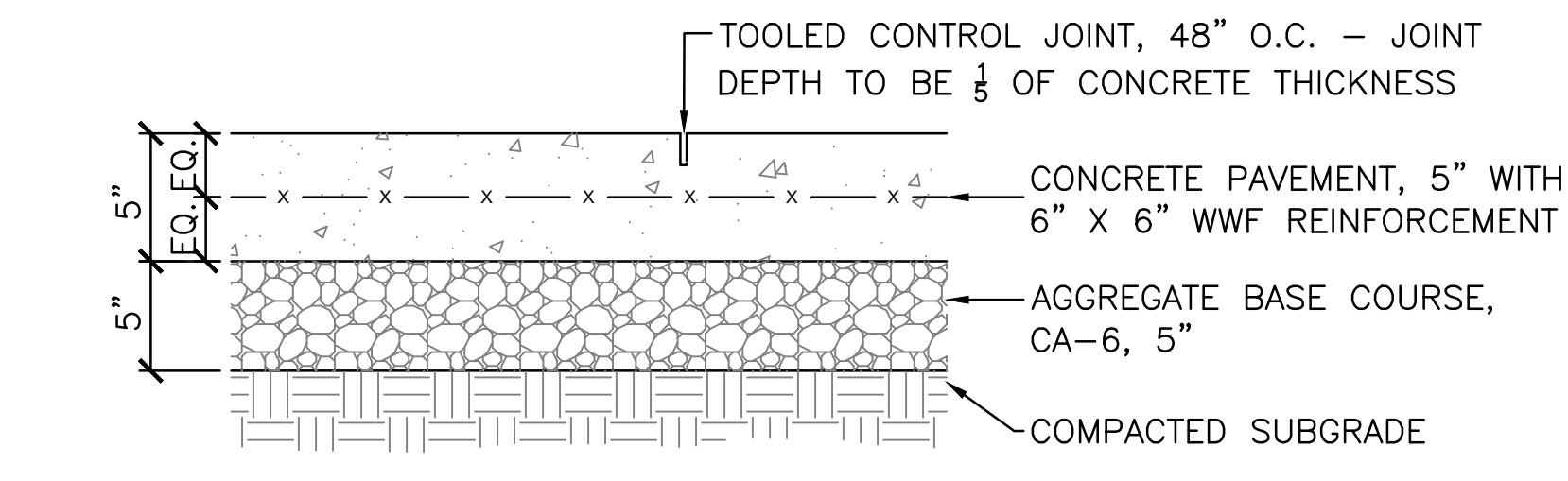


1 PICNIC SHELTER DETAIL
 SCALE: NTS



2 PICNIC SHELTER FOOTING DETAIL
 SCALE: NTS

NOTE: AMERICANA BUILDING PRODUCTS OR APPROVED EQUAL



3 CONCRETE SHELTER PAD DETAIL
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