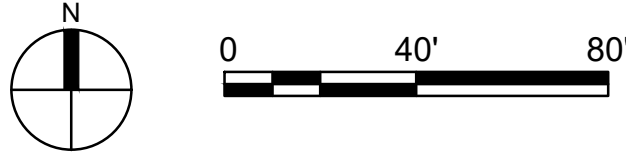


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KStebbing
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1 CART PATH PLAN WEST
SCALE: 1"=40'



LEGEND

- CONSTRUCTION LIMITS
- PROPOSED BITUMINOUS PAVEMENT
- PROPOSED GRAVEL PAVEMENT
- GRASS SEEDING AREAS
- SF SILT FENCE
- SEDIMENT CONTROL LOG
- PROPOSED STORM SEWER PIPE
- PROPOSED CONTOUR
- PROPOSED FLARED END SECTION
- PROPOSED CATCH BASIN/MANHOLE
- PROTECT INLET W/ SILT FENCE SEE DETAIL 1/C500

KEY NOTES

- INSTALL SALVAGED GRAVEL TO MATCH
- REFER TO GOLF COURSE PLANS FOR SEEDING MIXES + ADDITIONAL RESTORATION INFORMATION
- CONNECT EXISTING DRAINAGE LATERAL TO NEW WORK OR COORDINATE NEW DRAINAGE LATERALS WITH THESE PLANS
- POTENTIAL FOR NON-COURSE RELATED UTILITIES EXISTS IN THIS AREA. CONTRACTOR TO EMPLOY PRIVATE UTILITY LOCATOR PRIOR TO BEGINNING WORK.

GENERAL NOTES

- UTILITIES SHOWN HERE ARE FOR INFORMATIONAL USE ONLY AND ARE NOT GUARANTEED IN THEIR ACCURACY. VERIFY WORK. NOTIFY ENGINEER OF ANY/ALL DISCREPANCIES IMMEDIATELY.
- UTILITIES MUST BE LOCATED PRIOR TO EXCAVATION OR GRADING ON ANY SITE. CALL GOPHER SATE ONE CALL AT 1-800-252-1166 AS SOON AS POSSIBLE TO SCHEDULE UTILITY LOCATIONS FOR THIS SITE.
- PROTECT ALL EXISTING IMPROVEMENT NOT NOTED FOR REMOVAL. CONTRACTOR TO REPAIR/REPLACE DAMAGES DUE TO THEIR WORK.
- REFERENCE SHEET CP201 TO CP204 FOR STORM SEWER PROFILES. REFERENCE SHEET C500 & C501 FOR CONSTRUCTION DETAILS.
- PROPOSED PIPE MATERIALS SHALL BE PVC SDR 35 OR DUAL-WALL HDPE MEETING ASTM F2648.



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STORMWATER
INFRASTRUCTURE
IMPROVEMENTS

WOODHILL COUNTRY CLUB
200 WOODHILL RD
WAYZATA, MINNESOTA

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PRINT NAME: KYLE STEBBING, PE

SIGNATURE: *KStebbing*
DATE: 6/6/2025 LICENSE NO. 61855

REVISION LOG

NO.	DATE	DESCRIPTION OF REVISIONS

CONSTRUCTION DOCUMENTS

DESIGNED: KS	DRAWN: KS	CHECKED BY: AT
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DRAWING TITLE

CART PATH
PLAN

DRAWING NO.

CS106

PAGE: 15 OF 24

PLOTTED: 4/21/2025	COMM. NO. 17701
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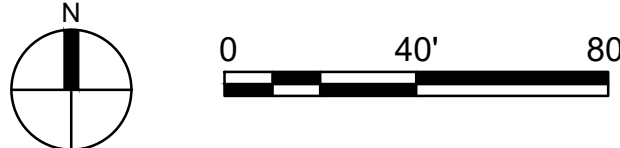
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Jun 06, 2025 - 2:48pm
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1 CART PATH PLAN EAST
SCALE: 1"=40'



LEGEND

- CONSTRUCTION LIMITS
- PROPOSED BITUMINOUS PAVEMENT
- PROPOSED GRAVEL PAVEMENT
- GRASS SEEDING AREAS
- SF SILT FENCE
- SEDIMENT CONTROL LOG
- PROPOSED STORM SEWER PIPE
- PROPOSED CONTOUR
- PROPOSED FLARED END SECTION
- PROPOSED CATCH BASIN/MANHOLE
- PROTECT INLET W/ SILT FENCE SEE DETAIL 1/C500

KEY NOTES

- 1 INSTALL SALVAGED GRAVEL TO MATCH
- 2 REFER TO GOLF COURSE PLANS FOR SEEDING MIXES + ADDITIONAL RESTORATION INFORMATION
- 3 CONNECT EXISTING DRAINAGE LATERAL TO NEW WORK OR COORDINATE NEW DRAINAGE LATERALS WITH THESE PLANS
- 4 POTENTIAL FOR NON-COURSE RELATED UTILITIES EXISTS IN THIS AREA. CONTRACTOR TO EMPLOY PRIVATE UTILITY LOCATOR PRIOR TO BEGINNING WORK.

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4. REFERENCE SHEET CP201 TO CP204 FOR STORM SEWER PROFILES. REFERENCE SHEET C500 & C501 FOR CONSTRUCTION DETAILS.
5. PROPOSED PIPE MATERIALS SHALL BE PVC SDR 35 OR DUAL-WALL HDPE MEETING ASTM F2648.

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SIGNATURE:

DATE: 6/6/2025 LICENSE NO. 61855

REVISION LOG

NO.	DATE	DESCRIPTION OF REVISIONS

CONSTRUCTION DOCUMENTS

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DRAWING TITLE

CART PATH
PLAN

DRAWING NO.

CS107

PAGE: 16 OF 24

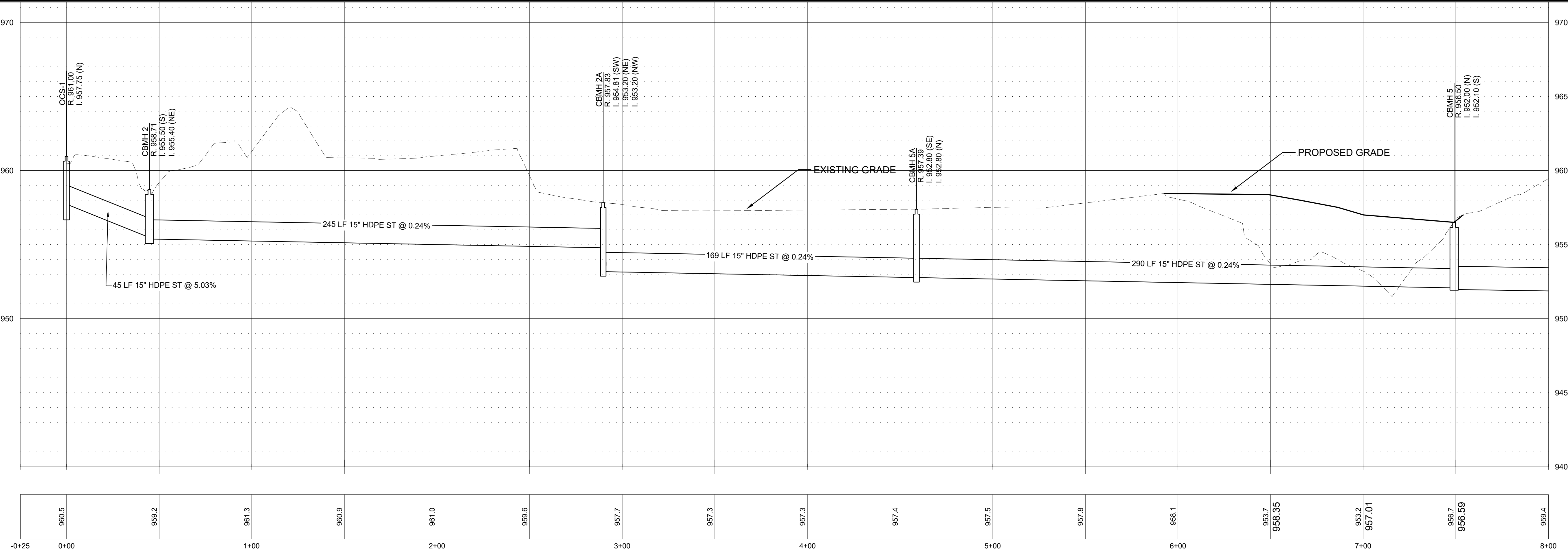
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4/21/2025

COMM. NO.
17701

KEY MAP

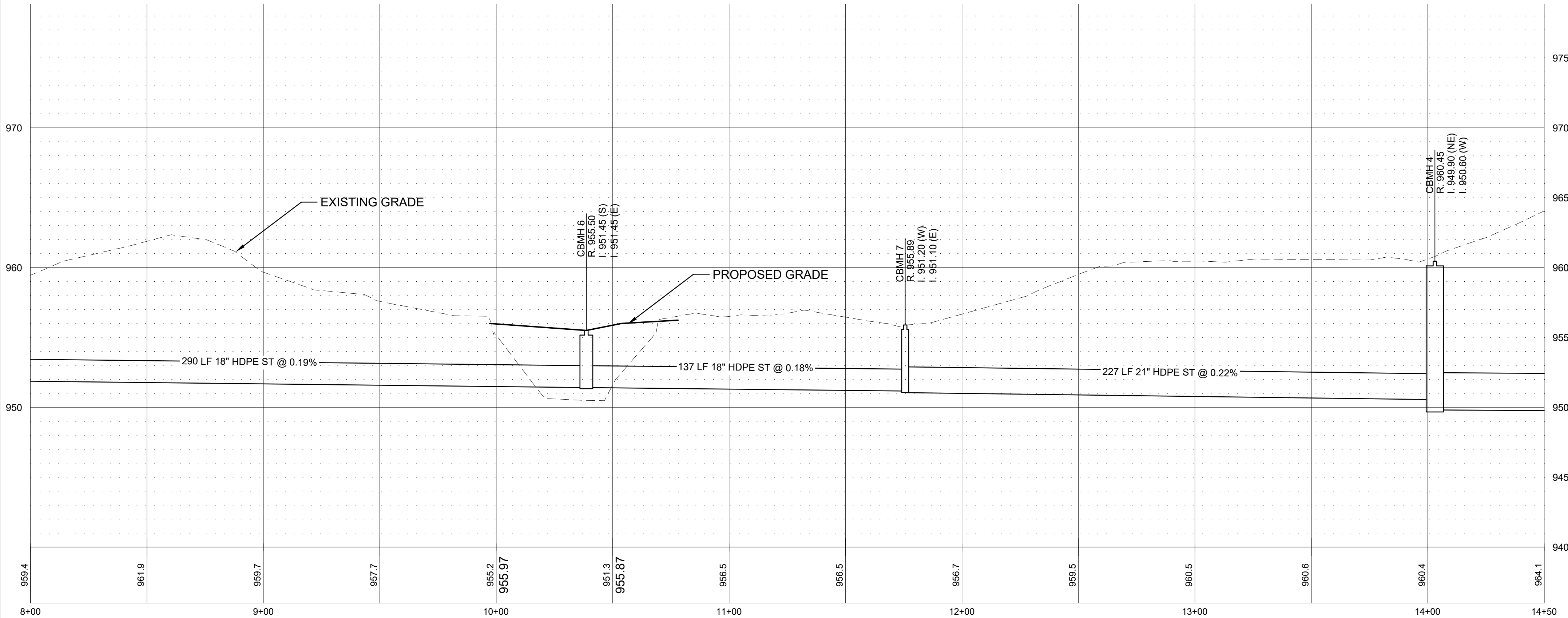
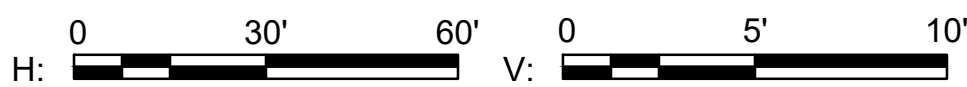


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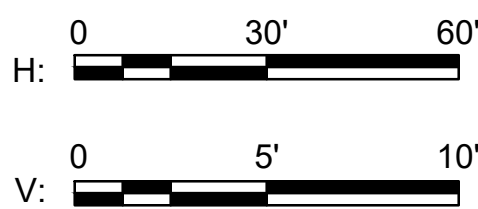
1 STORM SEWER PROFILE STA. 0+00' TO 8+00'

SCALE: HORIZONTAL: 1"=30', VERTICAL: 1"=5'



2 STORM SEWER PROFILE STA. 8+00' TO 14+50.00'

SCALE: HORIZONTAL: 1"=30', VERTICAL: 1"=5'



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SIGNATURE: *K. Stebbing*

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STORM SEWER PROFILE OCS 1 TO FES 8

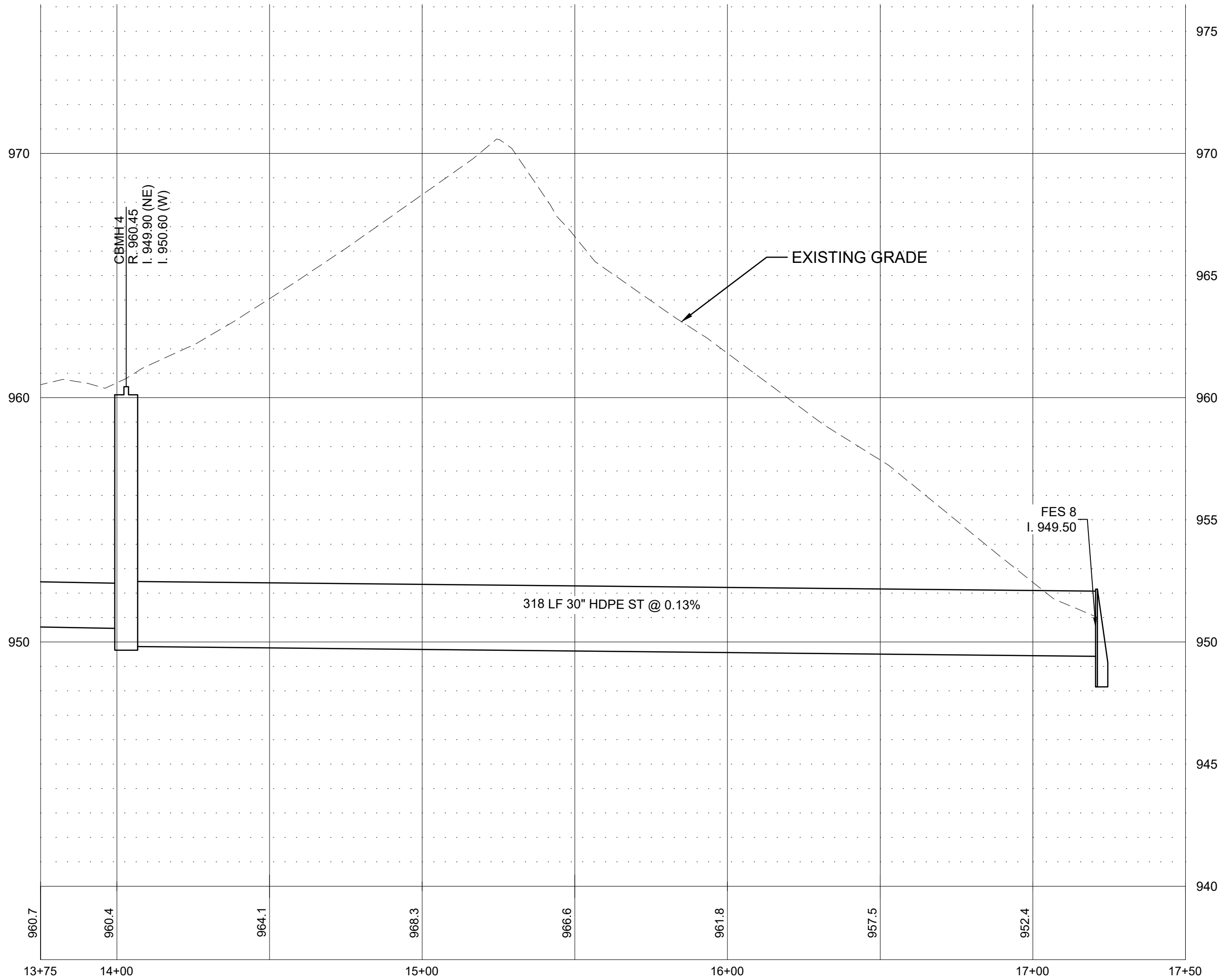
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CP201

PAGE: 17 OF 24

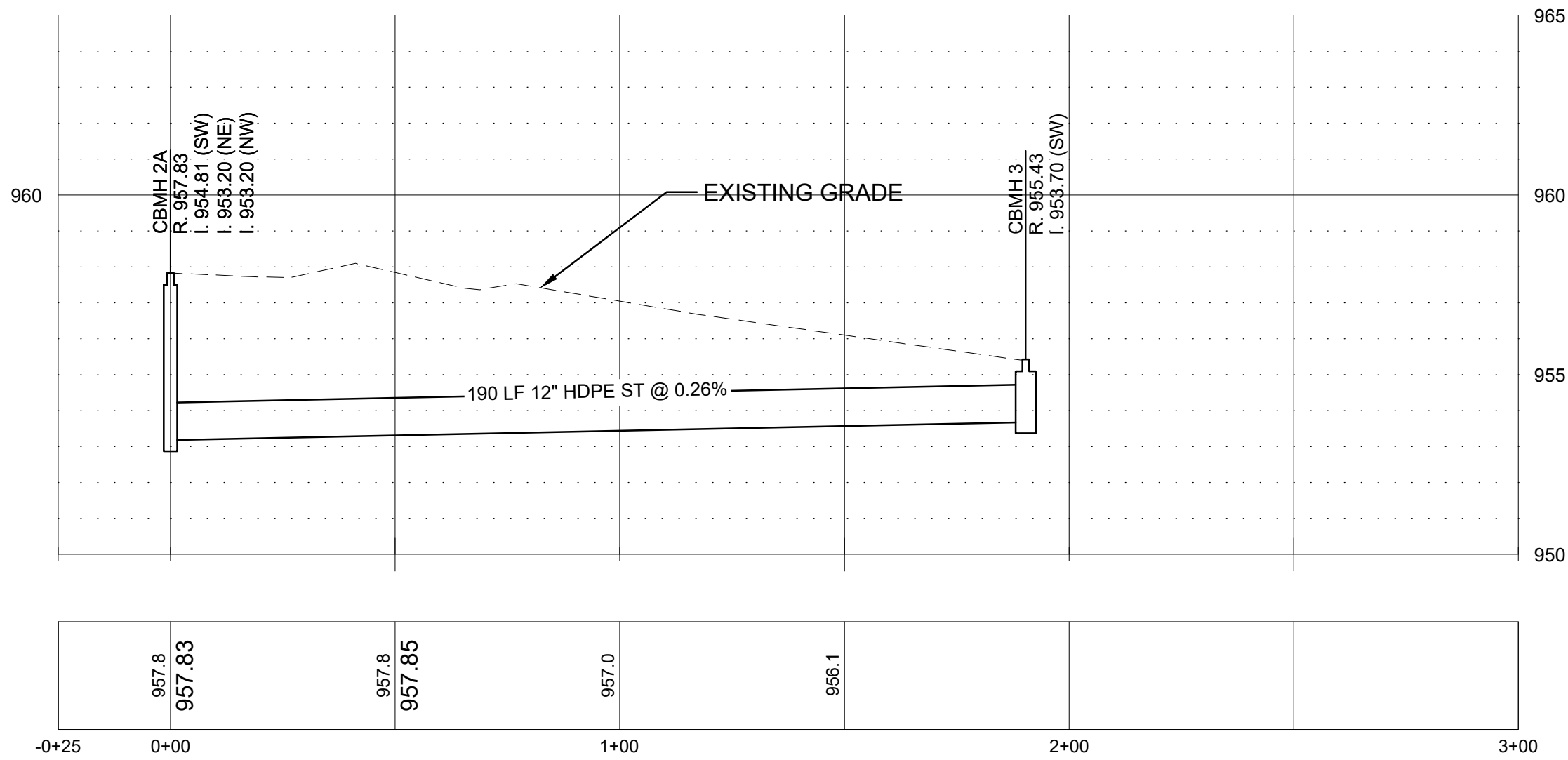
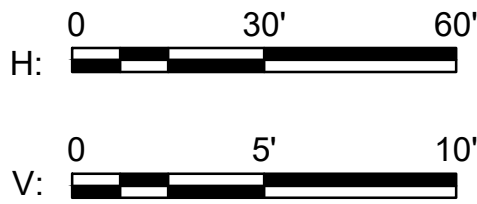
PLOTTED: 4/21/2025	COMM. NO. 17701
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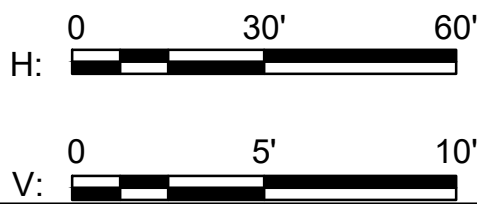
1 STORM SEWER PROFILE STA. 13+75' TO STA. 17+50'

SCALE: HORIZONTAL: 1"=30', VERTICAL: 1"=5'



1 STORM SEWER PROFILE CBMH 3 - CBMH 2A

SCALE: HORIZONTAL: 1"=30', VERTICAL: 1"=5'



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SIGNATURE: *KSteb*

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DRAWING TITLE

STORM SEWER
PROFILE OCS 1
TO FES 8

DRAWING NO.

CP202

PAGE: 18 OF 24

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4/21/2025

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SIGNATURE: *Kyle Stebbing*

DATE: 6/6/2025 LICENSE NO. 61855

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NO.	DATE	DESCRIPTION OF REVISIONS

CONSTRUCTION DOCUMENTS

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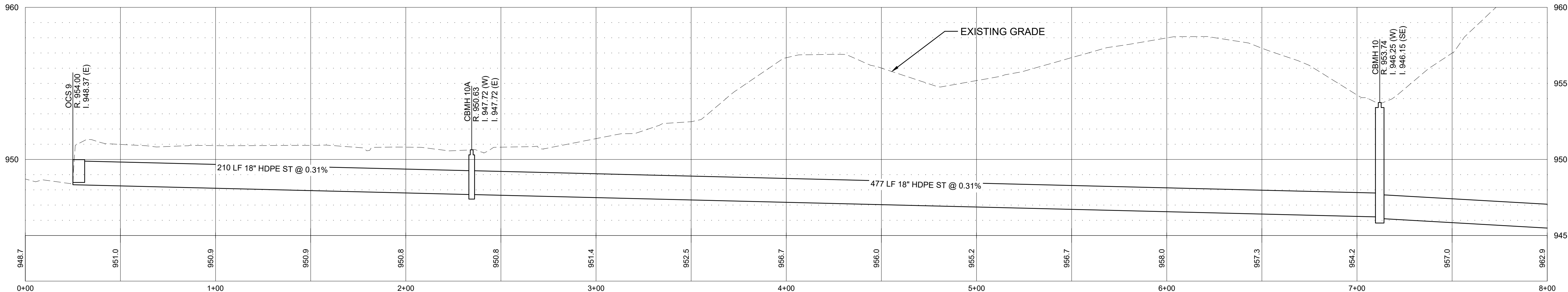
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PAGE: 19 OF 24

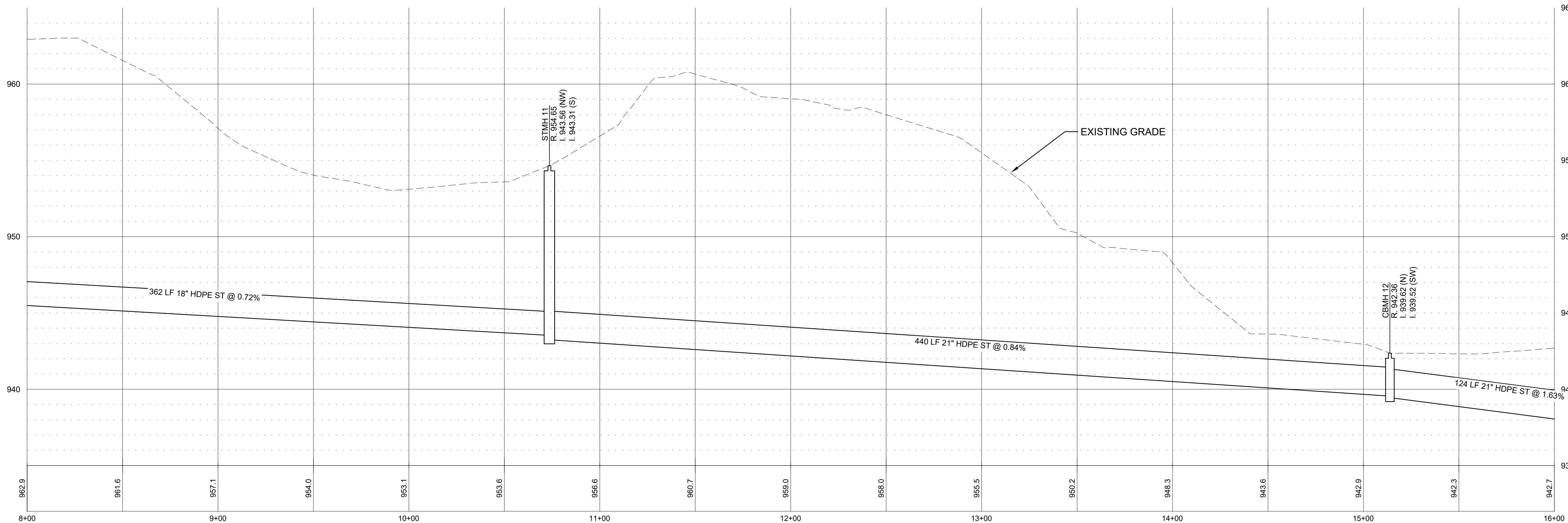
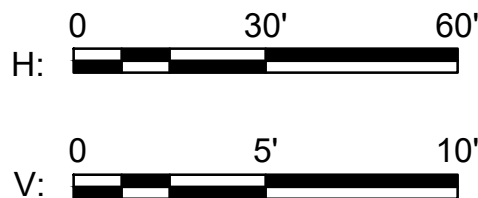
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4/21/2025

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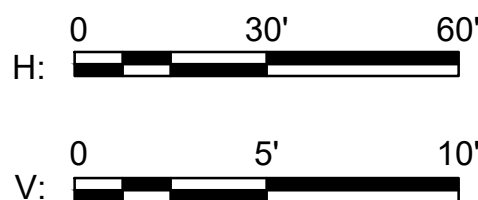
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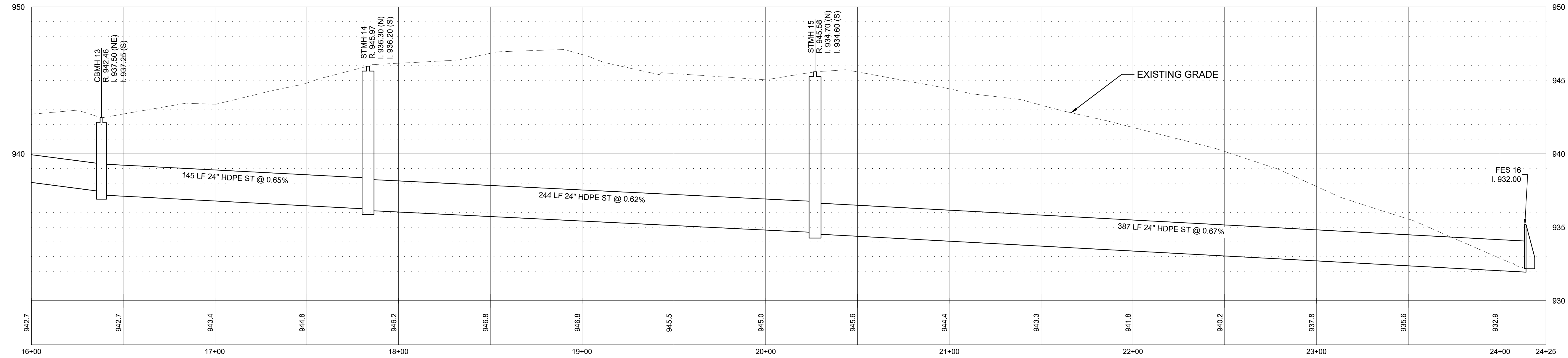
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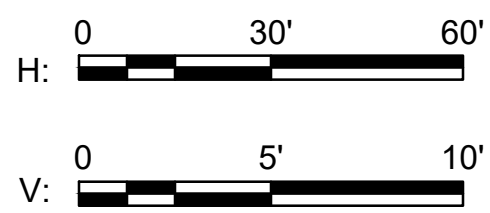


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1 STORM SEWER PROFILE STA. 16+00' TO STA. 24+25.00'
SCALE: HORIZONTAL: 1"=30', VERTICAL: 1"=5'



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STORM SEWER
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TO FES 16

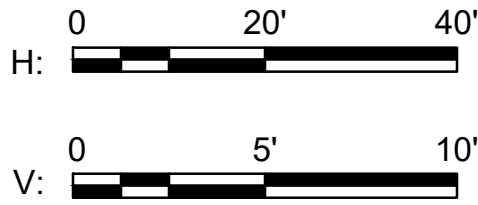
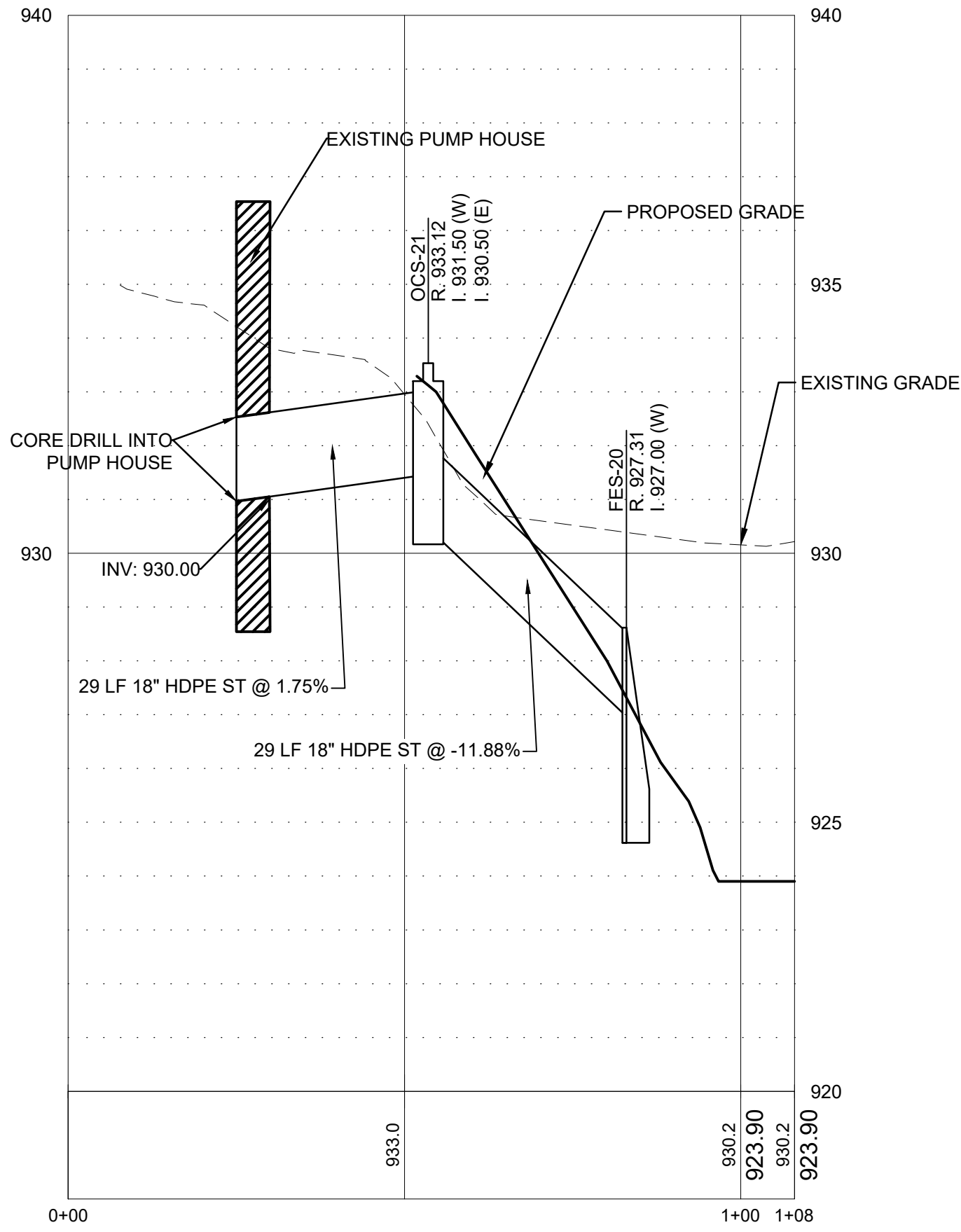
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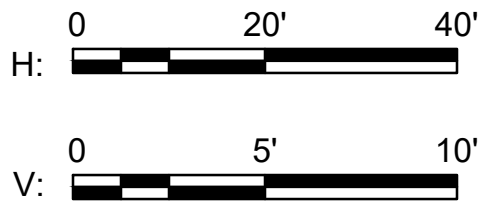
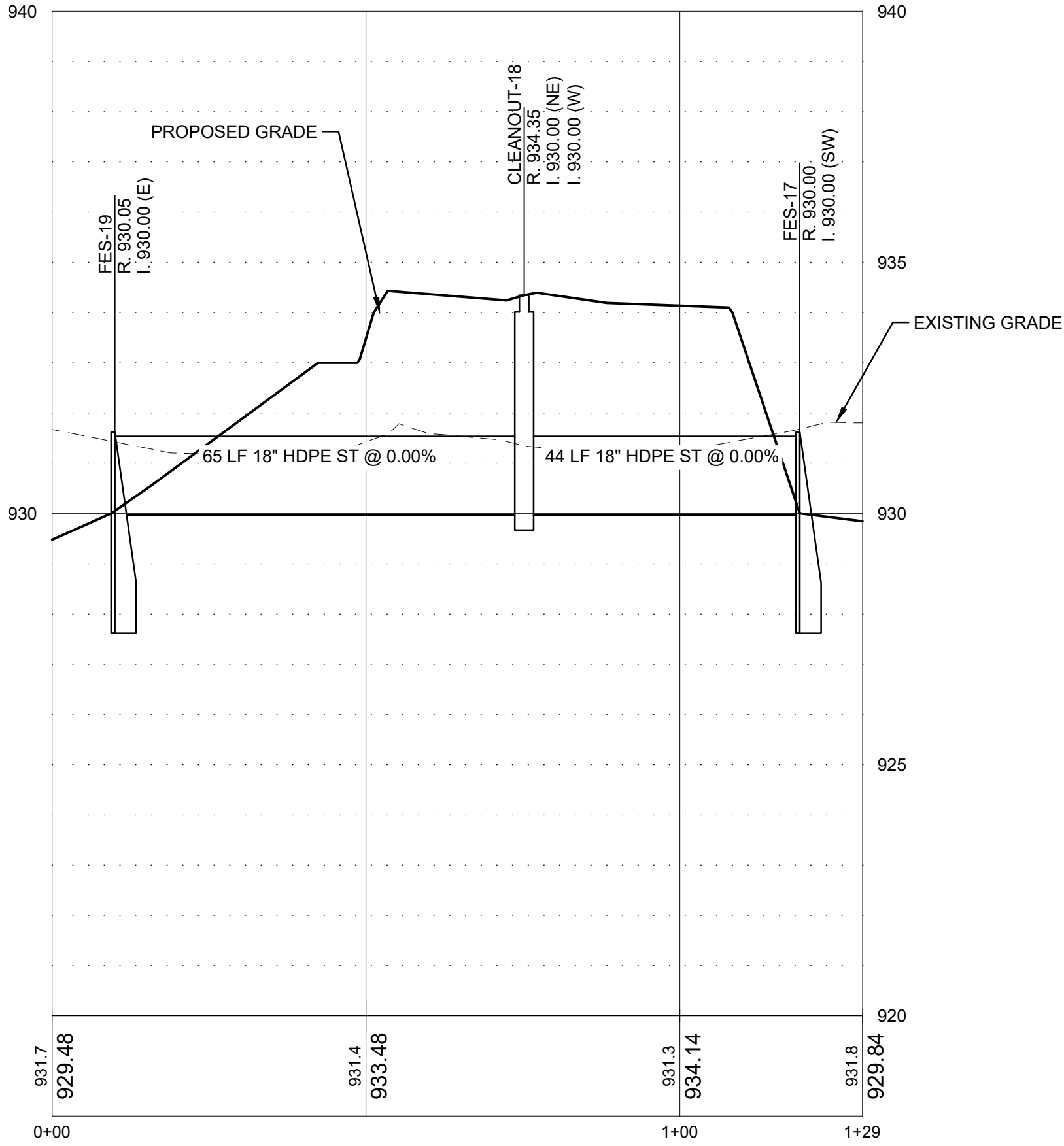
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1 STORM SEWER PROFILE FES-20 TO PUMP HOUSE
SCALE: HORIZONTAL: 1"=20', VERTICAL: 1"=5'



2 STORM SEWER PROFILE FES-17 TO FES-19
SCALE: HORIZONTAL: 1"=20', VERTICAL: 1"=5'



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SIGNATURE: *KStebbing*

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DRAWING TITLE

STORM SEWER
PROFILES -
PUMP HOUSE

DRAWING NO.

CP205

PAGE: 21 OF 24

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PRINT NAME: KYLE STEBBING, PE

SIGNATURE: KSE

DATE: 6/6/2025 LICENSE NO. 61855

REVISION LOG

NO.	DATE	DESCRIPTION OF REVISIONS

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DRAWING TITLE

CIVIL DETAILS

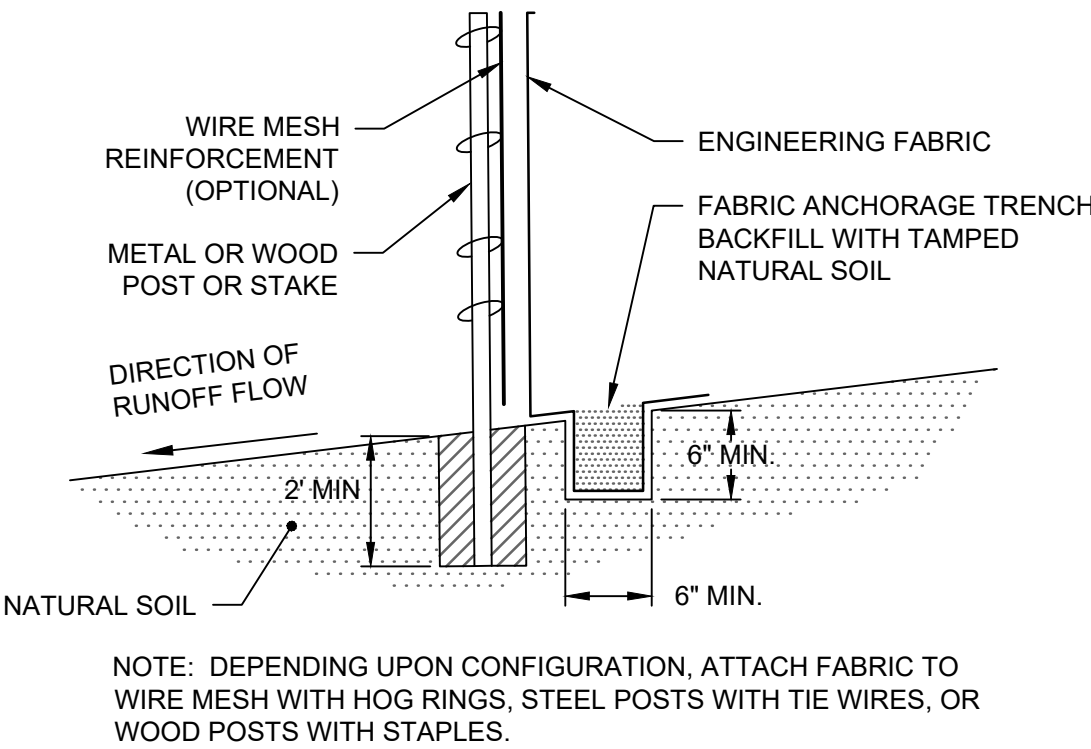
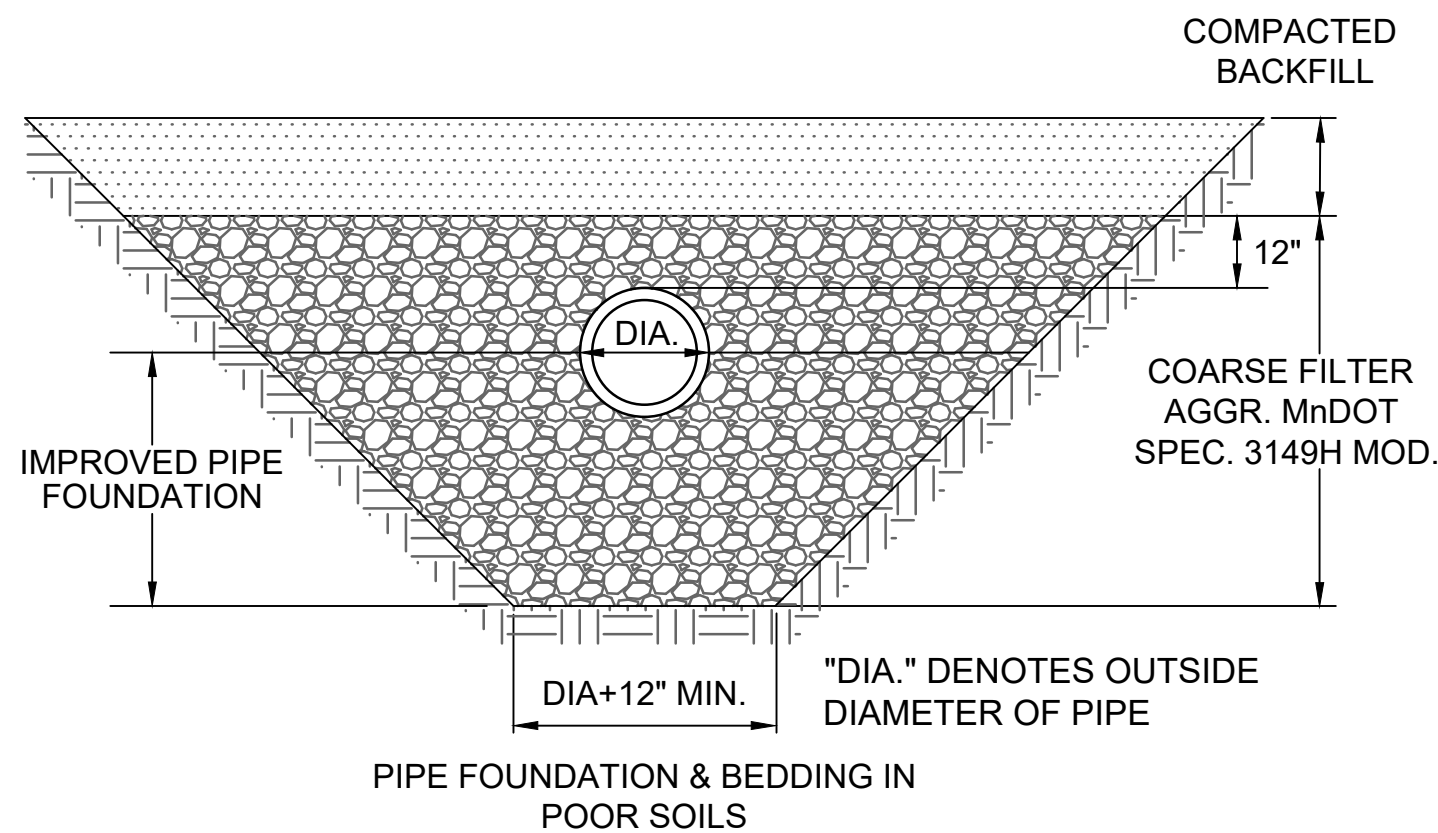
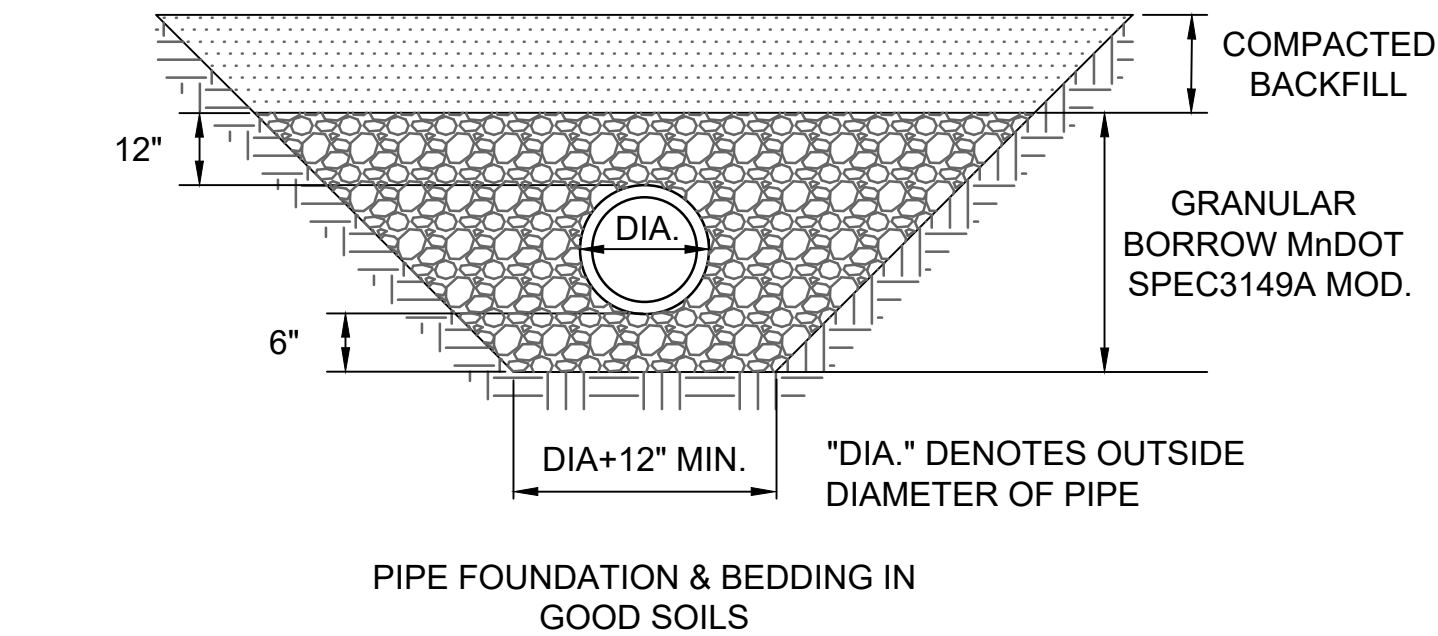
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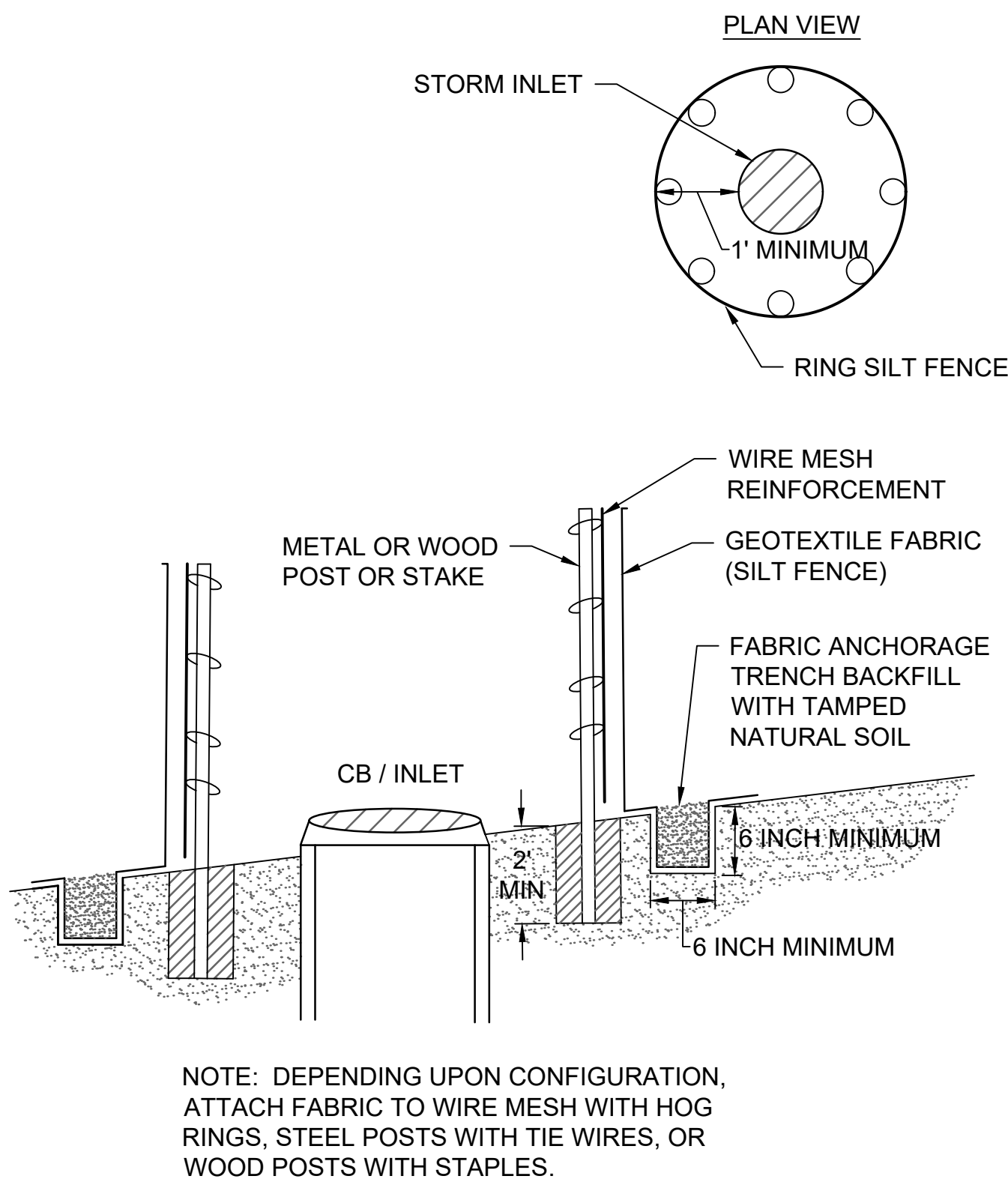
PAGE: 22 OF 24

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4/21/2025

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17701



TYPICAL INSTALLATION



TYPICAL INSTALLATION

1 INLET PROTECTION W/ SILT FENCE

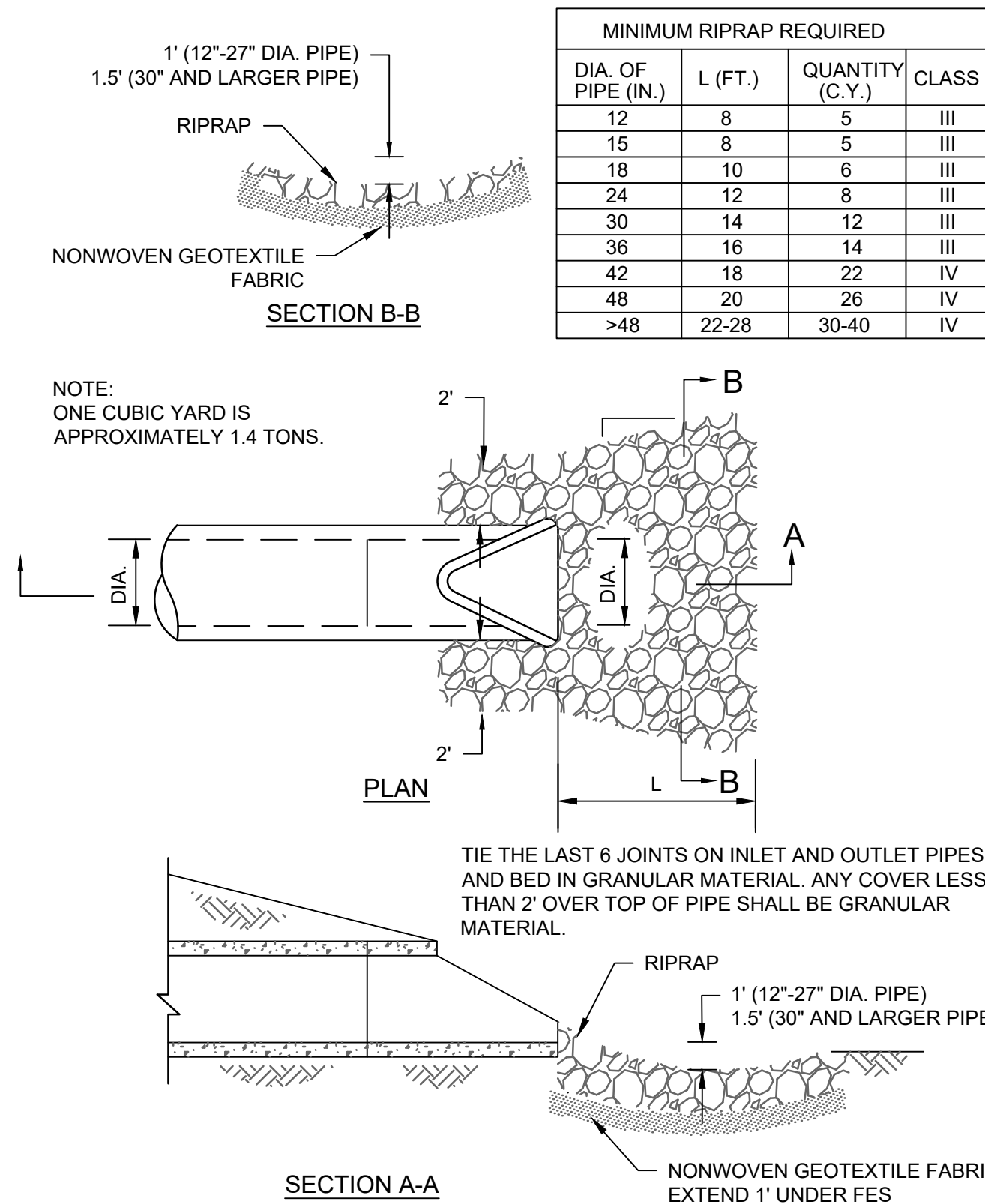
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2 SILT FENCE DETAIL

SCALE: N.T.S.

3 PIPE BEDDING DETAIL

SCALE: N.T.S.



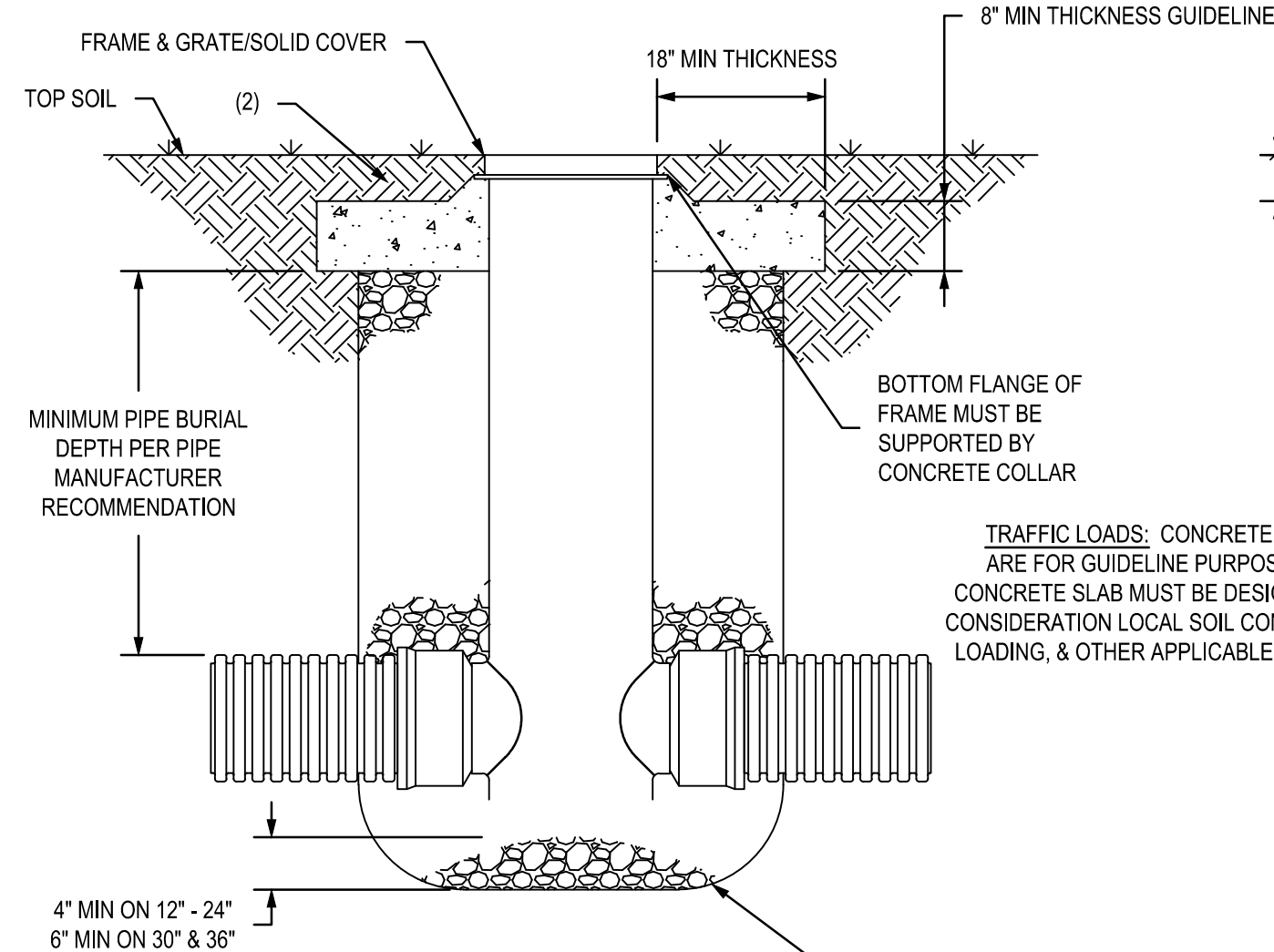
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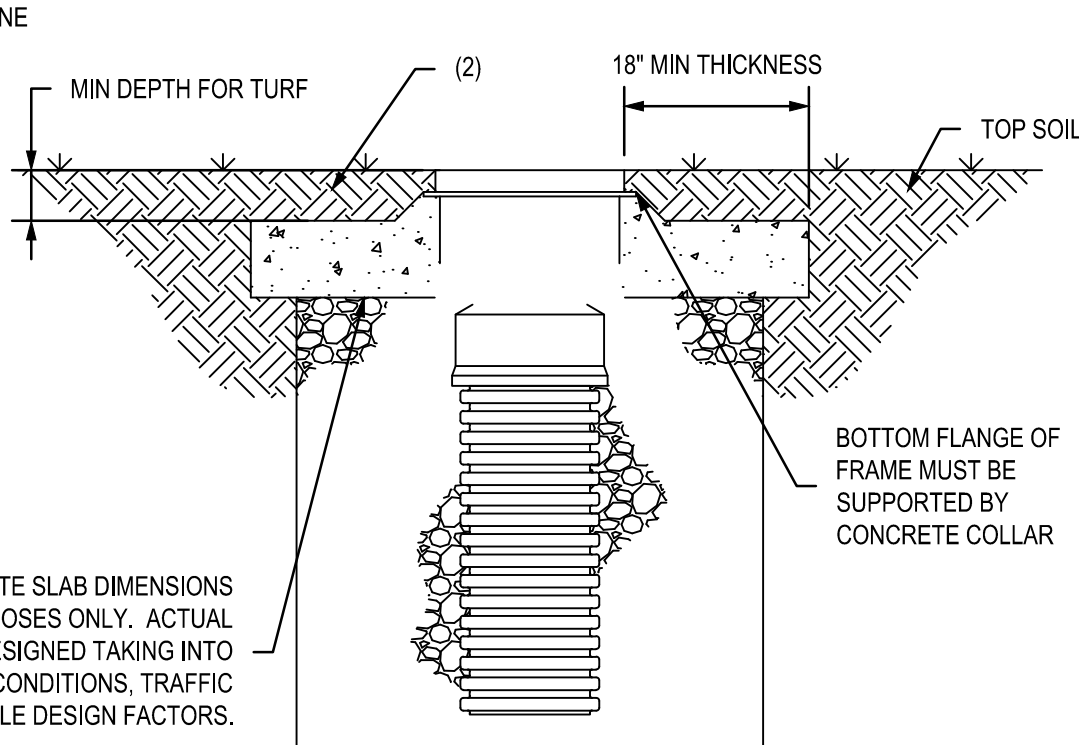
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Klebbing
Jun 06, 2025 - 2:59pm
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NYLOPLAST TURF TRAFFIC INSTALLATION

12" - 36" DRAIN BASIN



12" - 30" INLINE DRAIN



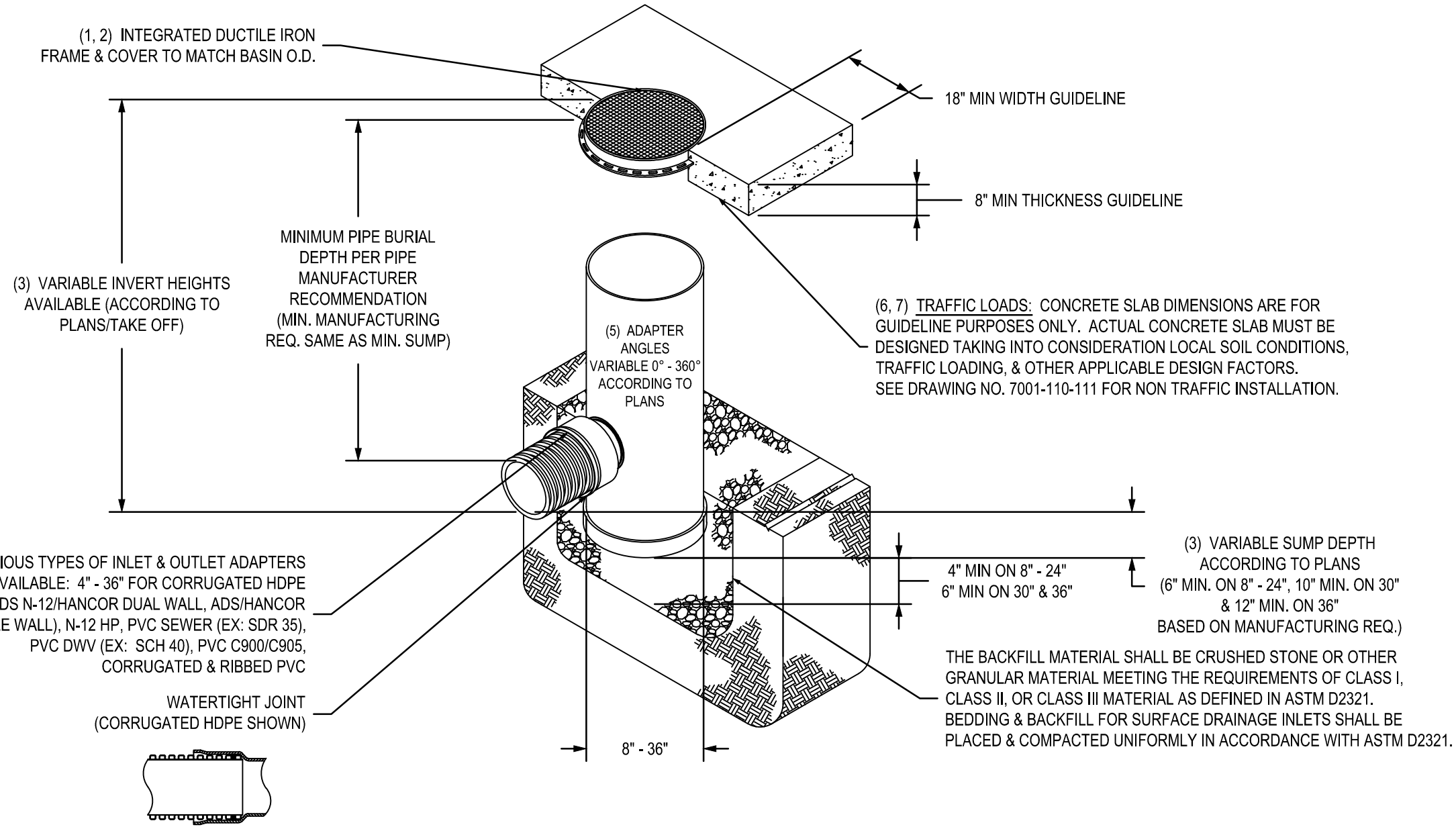
1. GRATES/SOLID COVERS SHALL MEET H-20 LOAD RATING FOR 30" PEDESTRIAN & 12" - 30" STANDARD & SOLID
2. DESIGN SHOULD ACCOUNT FOR ROOT DEPTH TO ALLOW TURF TO GROW AND PREVENT EROSION AROUND GRATE SO THAT HAZARDS DO NOT FORM.
3. 36" DRAIN BASIN REQUIRES 36"x30" REDUCING CONE. REDUCING CONE REQUIRES 2.25FT MINIMUM FROM GRADE TO TOP OF PIPE.

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DRAWN BY	EBC	MATERIAL
DATE	01-05-09	
REVISED BY	NMH	PROJECT NO./NAME
DATE	06-12-18	
DWG SIZE	A	SCALE 1:25 SHEET 1 OF 1

ADS Nyloplast	3130 VERONA AVE BUFORD, GA 30518 PHN (770) 932-2443 FAX (770) 932-2490 www.nyloplast-us.com
TITLE	DRAIN BASIN & INLINE DRAIN TURF TRAFFIC INSTALLATION
DWG NO.	7001-110-340
REV	G

NYLOPLAST DRAIN BASIN WITH SOLID COVER



- 1 - 8" - 30" SOLID COVERS SHALL BE DUCTILE IRON PER ASTM A536 GRADE 70-50-05.
- 2 - 12" - 30" FRAMES SHALL BE DUCTILE IRON PER ASTM A536 GRADE 70-50-05.
- 3 - DRAIN BASIN TO BE CUSTOM MANUFACTURED ACCORDING TO PLAN DETAILS. RISERS ARE NEEDED FOR BASINS OVER 84" DUE TO SHIPPING RESTRICTIONS. SEE DRAWING NO. 7001-110-065.
- 4 - DRAINAGE CONNECTION STUB JOINT TIGHTNESS SHALL CONFORM TO ASTM D3212 FOR CORRUGATED HDPE (ADS N-12/HANCOR DUAL WALL, N-12 HP, & PVC SEWER (4" - 36").
- 5 - ADAPTERS CAN BE MOUNTED ON ANY ANGLE 0° TO 360°. TO DETERMINE MINIMUM ANGLE BETWEEN ADAPTERS SEE DRAWING NO. 7001-110-012.
- 6 - 12" - 30" SOLID COVERS SHALL MEET H-20 LOAD RATING.
- 7 - 8" & 10" SOLID COVERS ARE RATED FOR LIGHT DUTY APPLICATIONS ONLY. NO CONCRETE COLLAR NEEDED FOR LIGHT DUTY RATING.

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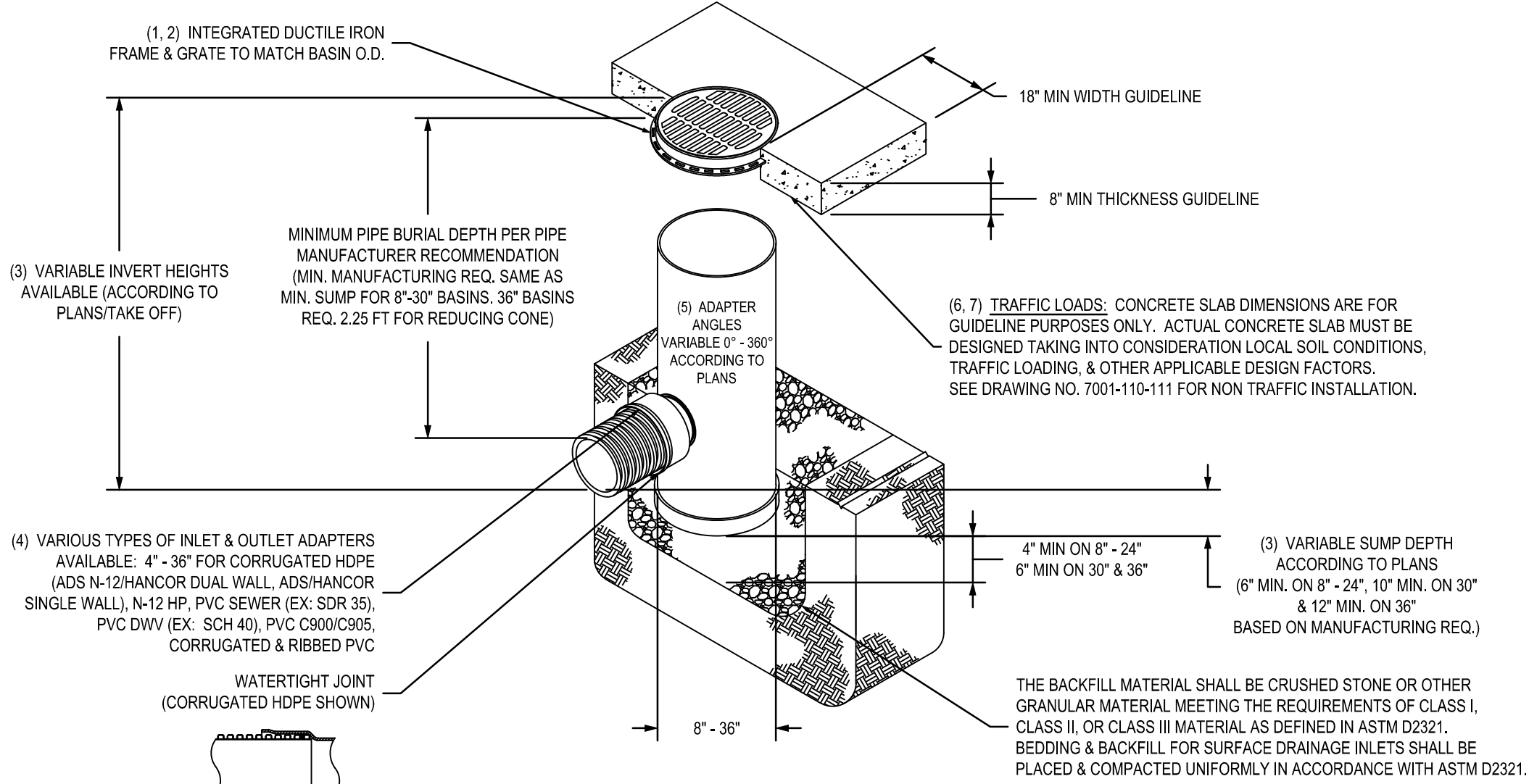
DRAWN BY	EBC	MATERIAL
DATE	09-14-07	
REVISED BY	NMH	PROJECT NO./NAME
DATE	06-12-18	
DWG SIZE	A	SCALE 1:40 SHEET 1 OF 1

ADS Nyloplast	3130 VERONA AVE BUFORD, GA 30518 PHN (770) 932-2443 FAX (770) 932-2490 www.nyloplast-us.com
TITLE	DRAIN BASIN WITH SOLID COVER QUICK SPEC INSTALLATION DETAIL
DWG NO.	7001-110-298
REV	E

1 STORM INLET/MANHOLE TURF TRAFFIC INSTALLATION

SCALE: N.T.S.

NYLOPLAST DRAIN BASIN WITH STANDARD GRATE



- 1 - 8" - 30" STANDARD GRATES SHALL BE DUCTILE IRON PER ASTM A536 GRADE 70-50-05.
- 2 - 12" - 30" FRAMES SHALL BE DUCTILE IRON PER ASTM A536 GRADE 70-50-05.
- 3 - DRAIN BASIN TO BE CUSTOM MANUFACTURED ACCORDING TO PLAN DETAILS. RISERS ARE NEEDED FOR BASINS OVER 84" DUE TO SHIPPING RESTRICTIONS. SEE DRAWING NO. 7001-110-065.
- 4 - DRAINAGE CONNECTION STUB JOINT TIGHTNESS SHALL CONFORM TO ASTM D3212 FOR CORRUGATED HDPE (ADS N-12/HANCOR DUAL WALL, N-12 HP, & PVC SEWER (4" - 36").
- 5 - ADAPTERS CAN BE MOUNTED ON ANY ANGLE 0° TO 360°. TO DETERMINE MINIMUM ANGLE BETWEEN ADAPTERS SEE DRAWING NO. 7001-110-012.
- 6 - 12" - 30" STANDARD GRATES SHALL MEET H-20 LOAD RATING.
- 7 - 8" & 10" STANDARD GRATES ARE RATED FOR LIGHT DUTY APPLICATIONS ONLY. NO CONCRETE COLLAR NEEDED FOR LIGHT DUTY RATING.

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DRAWN BY	EBC	MATERIAL
DATE	1-23-06	
REVISED BY	NMH	PROJECT NO./NAME
DATE	06-12-18	
DWG SIZE	A	SCALE 1:40 SHEET 1 OF 1

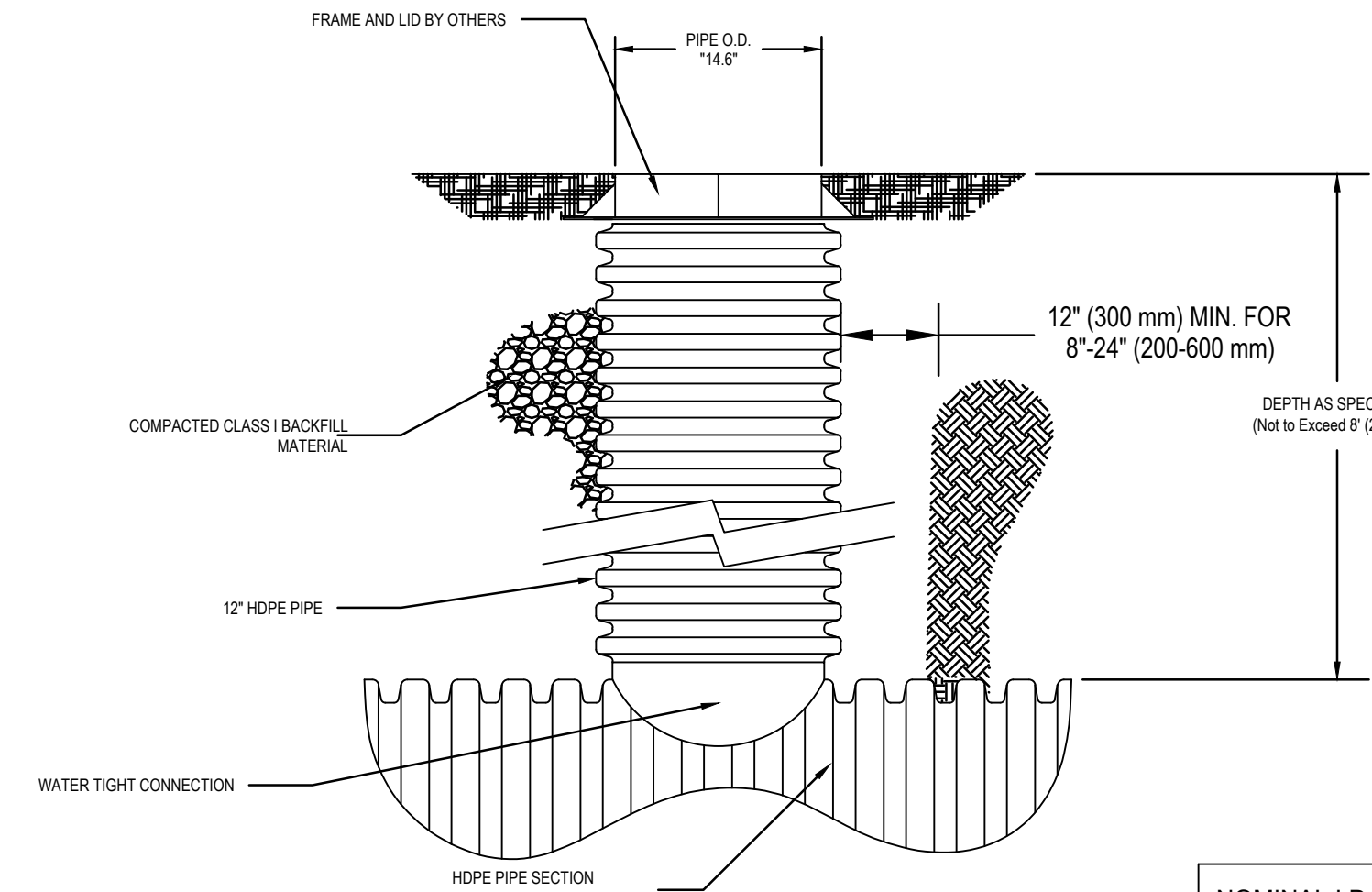
ADS Nyloplast	3130 VERONA AVE BUFORD, GA 30518 PHN (770) 932-2443 FAX (770) 932-2490 www.nyloplast-us.com
TITLE	DRAIN BASIN WITH STANDARD GRATE QUICK SPEC INSTALLATION DETAIL
DWG NO.	7001-110-144
REV	J

3 STORM INLET DETAIL

SCALE: N.T.S.

2 STORM MANHOLE DETAIL

SCALE: N.T.S.



NOMINAL I.D.	PIPE O.D. "X"
12" (300mm)	14.6" (371mm)
15" (375mm)	17.8" (452mm)
18" (450mm)	21.5" (538mm)
24" (600mm)	28.2" (716mm)

4 CLEANOUT DETAIL

SCALE: N.T.S.



ANDERSON

13605 1st Avenue N. #100
Plymouth, MN 55441 | ae-mn.com
P 763.412.4000 | F 763.412.4090
Anderson Engineering of Minnesota, LLC

STORMWATER
INFRASTRUCTURE
IMPROVEMENTS

WOODHILL COUNTRY CLUB
200 WOODHILL RD
WAYZATA, MINNESOTA

I HEREBY CERTIFY THAT THIS PLAN, SPECIFICATION, OR REPORT WAS PREPARED BY ME OR UNDER MY DIRECT SUPERVISION AND THAT I AM A DULY LICENSED PROFESSIONAL ENGINEER UNDER THE LAWS OF THE STATE OF MINNESOTA.

PRINT NAME: KYLE STEBBING, PE

SIGNATURE: *Kyle Stebbing*

DATE: 6/6/2025 LICENSE NO. 61855

REVISION LOG

NO.	DATE	DESCRIPTION OF REVISIONS

CONSTRUCTION DOCUMENTS

DESIGNED:	DRAWN:	CHECKED BY:
KS	KS	AT

DRAWING TITLE

CIVIL DETAILS

DRAWING NO.

C501

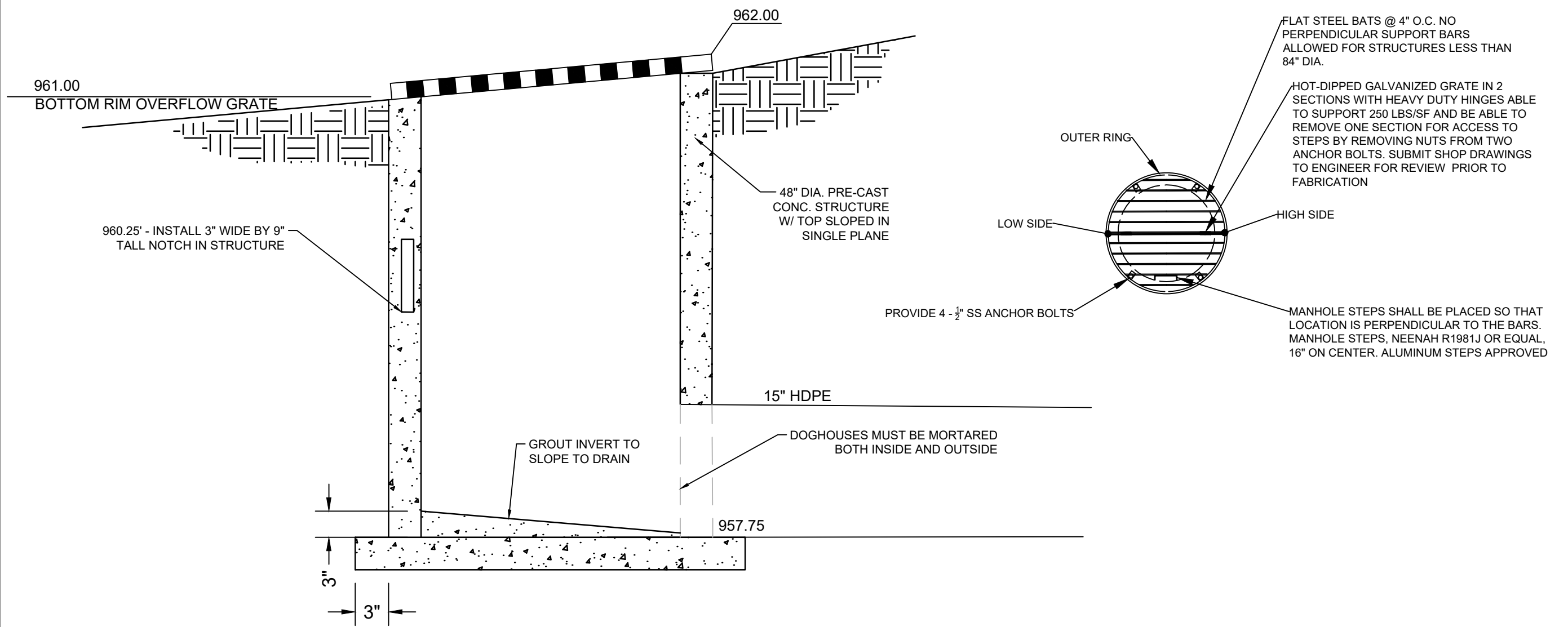
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PLOTTED:	COMM. NO.
4/21/2025	17701

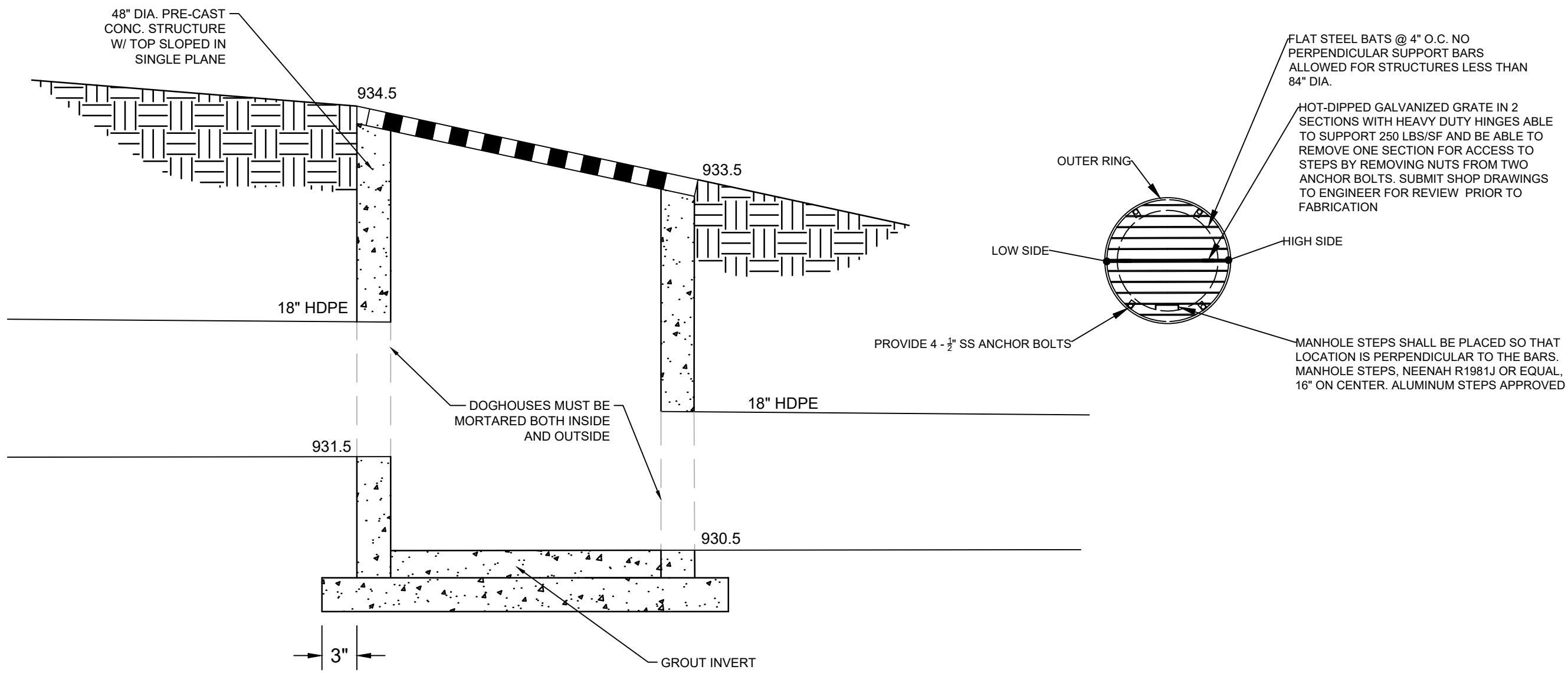
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KStebbing

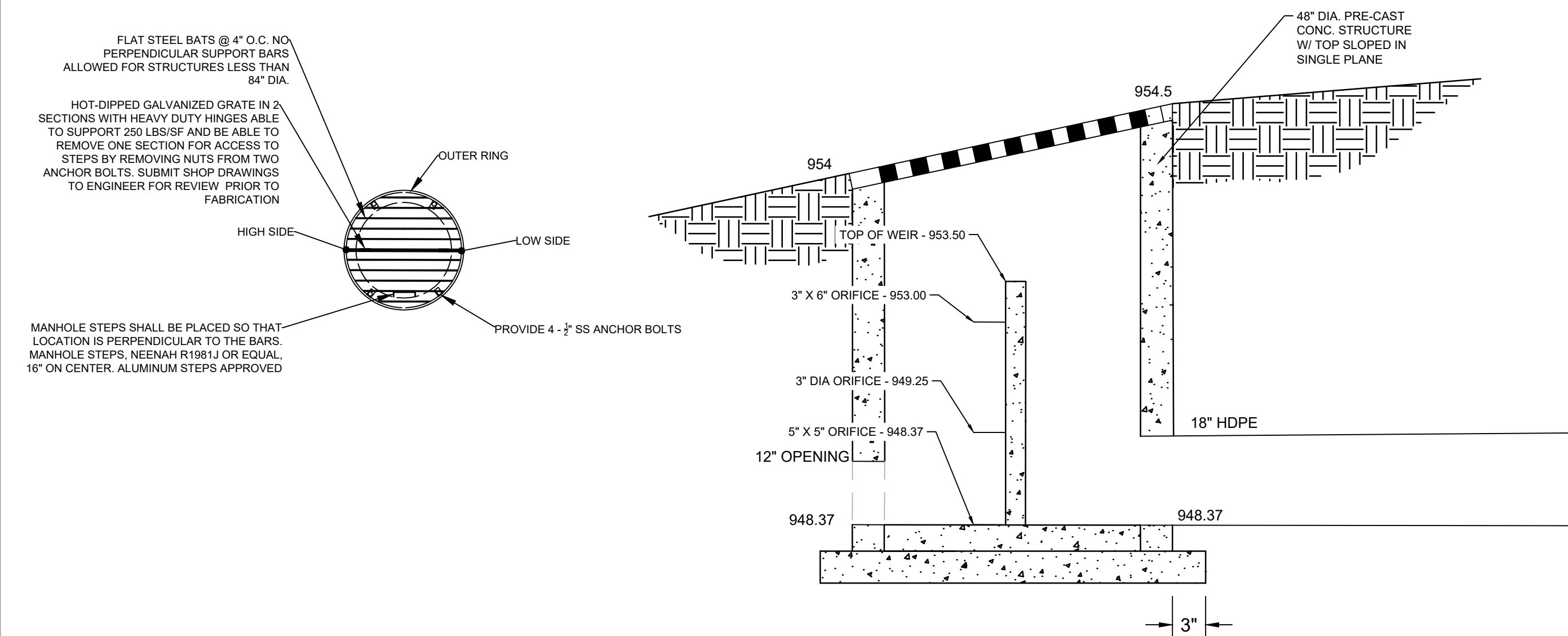
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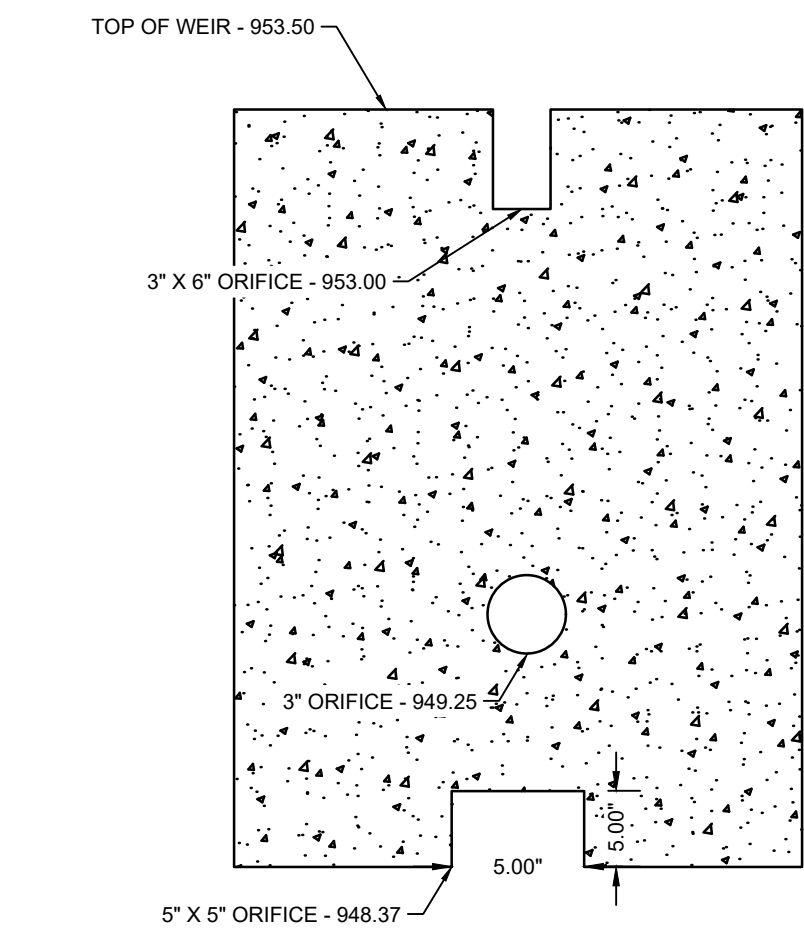
1 OCS-1 DETAIL
SCALE: N.T.S.



2 OCS-21 DETAIL
SCALE: N.T.S.



3 OCS-9 DETAIL
SCALE: N.T.S.



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PRINT NAME: KYLE STEBBING, PE

SIGNATURE: *KStebbing*

DATE: 6/6/2025 LICENSE NO. 61855

REVISION LOG

NO.	DATE	DESCRIPTION OF REVISIONS

CONSTRUCTION DOCUMENTS

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KS	KS	AT

DRAWING TITLE

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DRAWING NO.

C502

PAGE: 24 OF 24

PLOTTED:	COMM. NO.
4/21/2025	17701