

THE SOUTHWEST QUARTER OF THE NORTHEAST QUARTER, SECTION 06, TOWNSHIP 13 SOUTH, RANGE 64
WEST OF THE 6TH P.M., COUNTY OF EL PASO, STATE OF COLORADO

SHEET NUMBER
C1.1

SUMMARY OF APPROXIMATE QUANTITIES

Item Description	Unit	Quantity
UNCLASSIFIED EXCAVATION	CY	3813
SUBGRADE SOIL PREPARATION (6-INCH)	SY	3569
REMOVAL OF CULVERT	LF	37
REMOVAL OF BOLLARDS	EA	8
REMOVAL OF GRAVEL	SY	3897
RESET HYDRANT	EA	2
RESET FENCE	LF	297
AGGREGATE BASE COURSE (CLASS 6)	CY	594
ASPHALT CONCRETE PAVEMENT (GRADING SX)	TON	785
CONCRETE PAVEMENT (6 INCH)	SY	101
CONCRETE CURB RAMP (6-INCH)	SY	3
CONCRETE SIDEWALK (4-INCH)	SY	85
CURB AND GUTTER TYPE A (SPILL)	LF	323
CONCRETE CROSS PAN (8' WIDE, 9" THICK)	SY	11
BOLLARDS	EA	8
CLSM ENCASING	CY	5
DRAIN ROCK (#57 STONE)	TON	27
GEOTEXTILE NONWOVEN FABRIC	SY	147
12 INCH HDPE- DUAL WALL FLEXIBLE PIPE	LF	239
12 INCH PERFORATED HDPE FLEXIBLE PIPE	LF	212
18 INCH REINFORCED CONCRETE PIPE (COMPLETE IN PLACE)	LF	71
23 X14 INCH ELLIPTICAL REINFORCED CONCRETE PIPE (COMPLETE IN PLACE)	LF	67
24 INCH REINFORCED CONCRETE PIPE (COMPLETE IN PLACE)	LF	35
30 INCH REINFORCED CONCRETE (COMPLETE IN PLACE)	LF	244
38 X 24 INCH ELLIPTICAL REINFORCED CONCRETE PIPE (COMPLETE IN PLACE)	LF	314
36 INCH REINFORCED CONCRETE (COMPLETE IN PLACE)	LF	321
CDOT TYPE C INLET	EA	4
CDOT TYPE C INLET (WITH SLOPE PAVING)	EA	1
CDOT TYPE D INLET	EA	1
NYPLOPLAST AREA INLET	EA	1
PRE CAST SLAB MANHOLE	EA	5
BOX BASE MANHOLE	EA	1
ROOF DRAIN CONNECTION AND FITTING	EA	3
STORM CLEANOUT	EA	5
MSE BLOCK WALL	SF	630
STORM DRAIN INLET PROTECTION	EA	17
EROSION CONTROL BLANKET	SY	355
SEEDING AND MULCHING	ACRE	1
CONCRETE WASH OUT BASIN	EA	1
SILT FENCE	LF	812
VEHICLE TRACKING CONTROL	EA	1
SIGN POST AND PANEL (ADA PARKING SIGN)	EA	1
THERMOPLASTIC PAVEMENT MARKING	SF	100
EPOXY PAVEMENT MARKING	SF	3

MOBILIZATION	LS	1
CONSTRUCTION SURVEYING AND STAKING	LS	1
CONSTRUCTION TRAFFIC CONTROL	LS	1
MATERIALS AND SAMPLE TESTING	LS	1
CONSTRUCTION MANAGEMENT	LS	1



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SAQ

SHEET NUMBER
C1.3

**RWRF STORMWATER
IMPROVEMENTS
PREPARED FOR
WOODMEN HILLS
METROPOLITAN DISTRICT
EL PASO COUNTY
COLORADO**

KHA PROJECT 196013004	DATE 2026-08-10	SCALE	AS SHOW
		DESIGNED BY	ME0
		DRAWN BY	ME0
		CHECKED BY	KRK

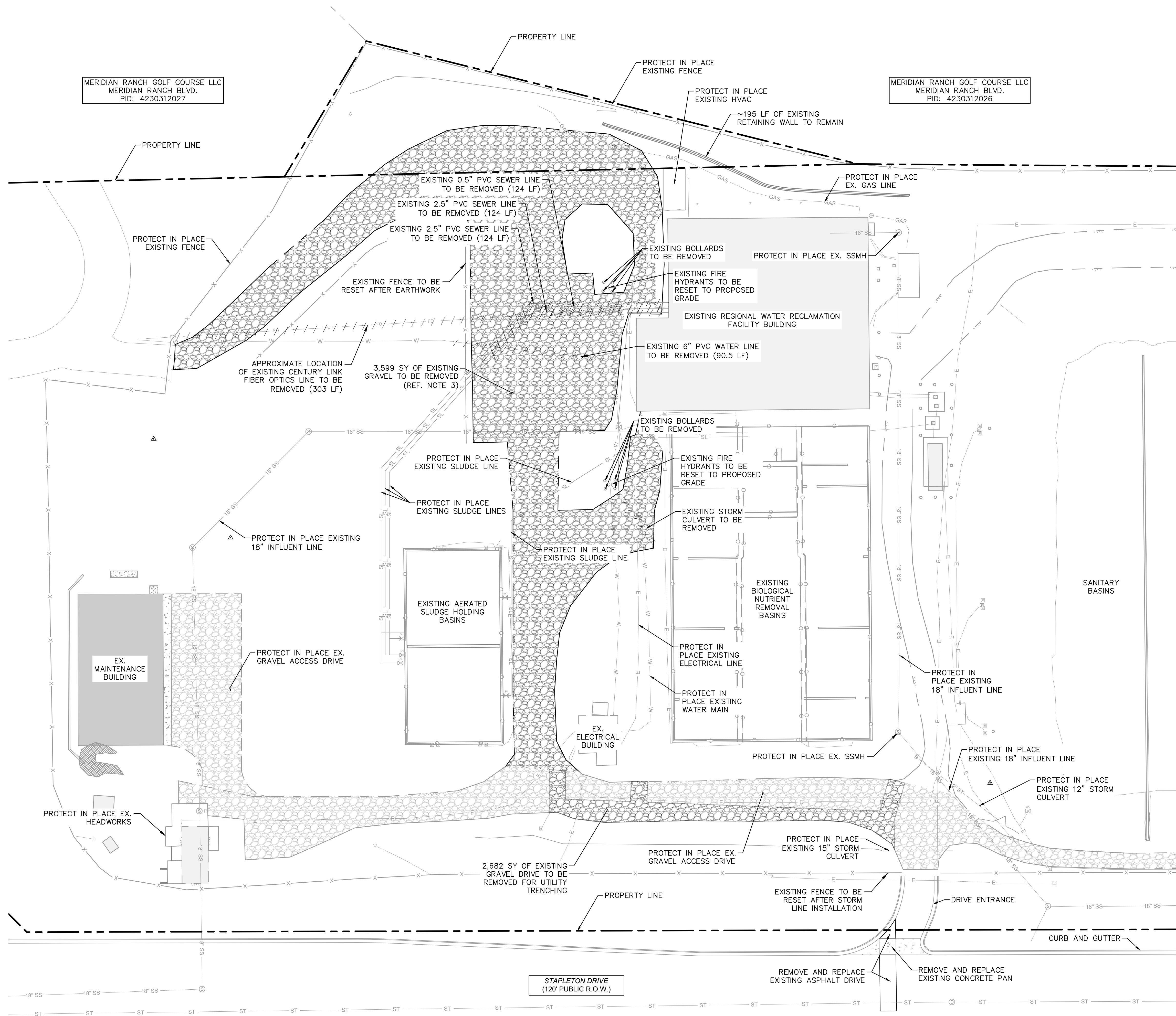
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PHONE: 719-453-0180
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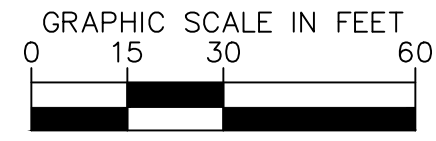
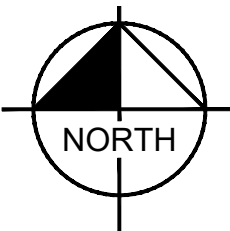


LEGEND

---	PROPERTY LINE
---	PARCEL LINE
X-X	EXISTING SITE FENCE
W-W	EXISTING WATER MAIN
18" SS	EXISTING 18" SANITARY LINE
SL-SL	EXISTING SLUDGE LINE
FO-FO	EXISTING FIBER OPTICS LINE
GAS-GAS	EXISTING GAS LINE
E-E	EXISTING ELECTRIC LINE
ST-ST	EXISTING STORM SEWER
////	DEMO EXISTING UTILITY LINE
[Pattern]	DEMO EXISTING GRAVEL

NOTES

1. ALL EXISTING UTILITIES TO REMAIN AND BE PROTECTED IN PLACE UNLESS OTHERWISE NOTED.
2. UTILITIES TO BE REMOVED ARE TO BE CAPPED IN PLACE IN ACCORDANCE WITH WOODMEN HILL METRO STANDARDS AND OVERSIGHT
3. CONTRACTOR TO DETERMINE IF REMOVED GRAVEL IS ADEQUATE TO BE USED AS SUBGRADE PREP. IF ADEQUATE, GRAVEL TO BE STOCKPILED AND STORED ON-SITE.



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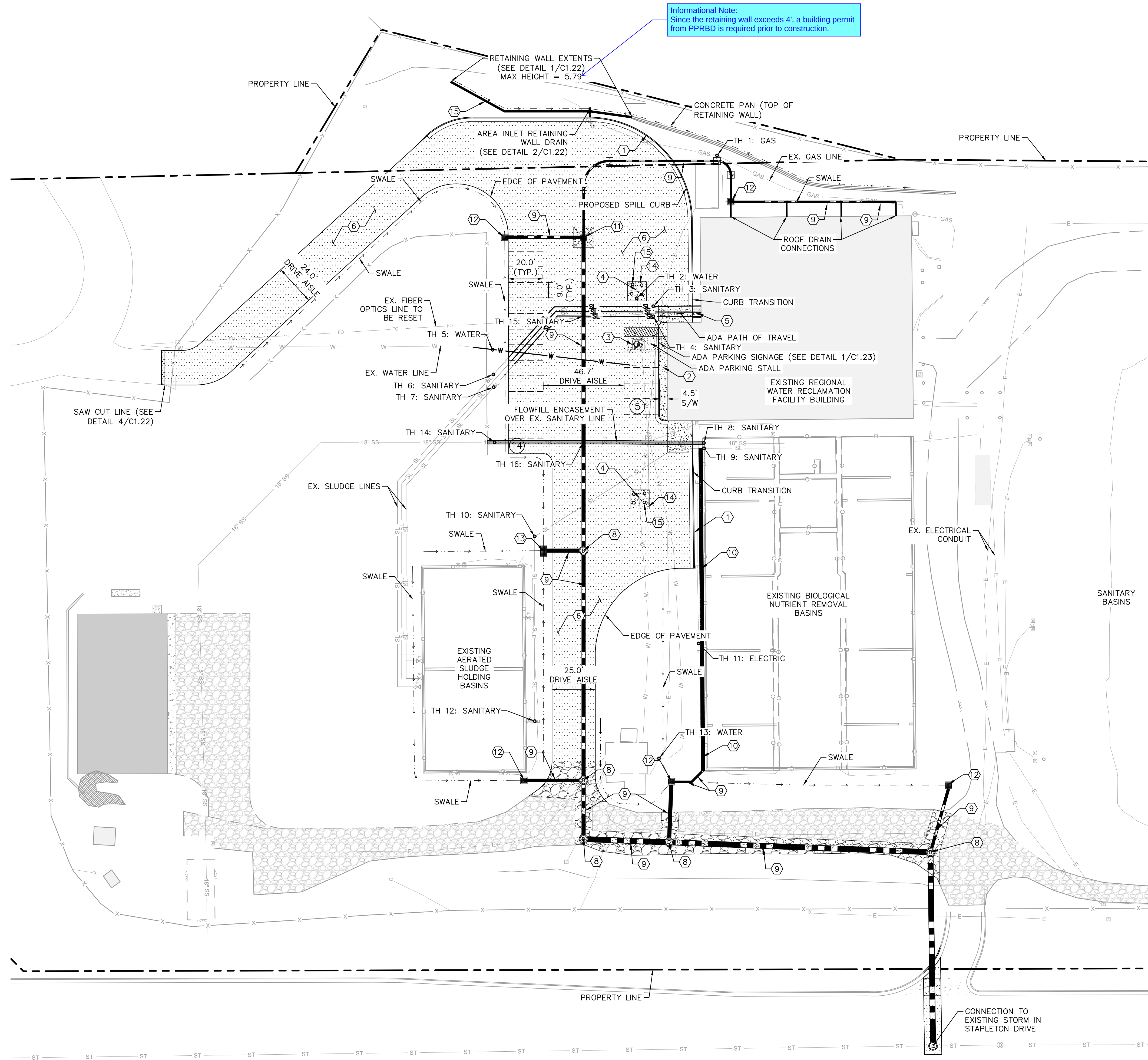
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RWRF STORMWATER
IMPROVEMENTS
PREPARED FOR
WOODMEN HILLS
METROPOLITAN DISTRICT
EL PASO COUNTY

EX. CONDITIONS & DEMO PLAN

SHEET NUMBER
C1.4

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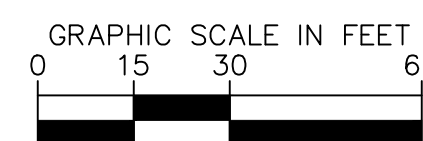
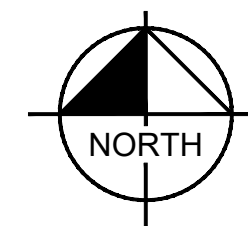
---	PROPERTY LINE
- - - -	PARCEL LINE
- x - x -	EXISTING SITE FENCE
- W - W -	EXISTING WATER MAIN
- 18" SS -	EXISTING 18" SANITARY LINE
- SL -	EXISTING SLUDGE LINE
- FO -	EXISTING FIBER OPTICS LINE
- GAS -	EXISTING GAS LINE
- E -	EXISTING ELECTRIC LINE
- ST -	EXISTING STORM SEWER
- - - - -	SWALE (REF. GRADING PLANS)
- - - - -	MSE BLOCK RETAINING WALL
- - - - -	PARKING DELINEATION (NO STRIPING)
- - - - -	SPILL CURB & GUTTER
[Pattern]	EXISTING GRAVEL DRIVE
[Pattern]	EXISTING CONCRETE SIDEWALK
[Pattern]	EXISTING CONCRETE PAN
[Pattern]	LANDSCAPING
[Pattern]	CONCRETE SIDEWALK/CONCRETE PAD
[Pattern]	ASPHALT DRIVE AREA
[Pattern]	FLOWFILL ENCASEMENT
[Pattern]	MILL & OVERLAY ASPHALT

POTHOLE LOG

DESCRIPTION	NORTHING	EASTING	DEPTH TO T/P	PIPE MATERIAL	PIPE SIZE
TH 1: GAS	1416227.7533	3257355.6836	41"	N/A	N/A
TH 2: WATER	1416145.2513	3257309.2266	62"	PVC DR18	6"
TH 3: SANITARY	1416140.6092	3257318.8413	96"	PVC SCHD 80	2.5"
TH 4: SANITARY	1416134.8170	3257318.8413	96"	PVC SCHD 80	2.5"
TH 5: WATER	1416115.4914	3257226.0692	64"	PVC DR18	8"
TH 6: SANITARY	1416101.2091	3257226.4627	96"	PVC SCHD 80	2.5"
TH 7: SANITARY	1416093.8783	3257226.6646	96"	PVC SCHD 80	2.5"
TH 8: SANITARY	1416061.6469	3257348.1179	21"	SDR 35 PVC	18"
TH 9: SANITARY	1416058.5664	3257348.1346	177"	C900 DR14 PVC	6"
TH 10: SANITARY	1416007.6798	3257250.3334	168"	C900 DR14 PVC	6"
TH 11: ELECTRIC	1415945.7593	3257345.1188	59"	N/A	N/A
TH 12: SANITARY	1415900.9503	3257250.3501	190"	C900 DR14 PVC	6"
TH 13: WATER	1415879.3922	3257322.1687	64"	POLY PIPE	2"
TH 14: SANITARY	1416062.0412	3257227.1412	42"	SDR 35 PVC	18"
TH 15: SANITARY	1416135.0083	3257278.5291	84"	PVC SCHD 80	2.5"
TH 16: SANITARY	1416062.0494	3257278.5653	39"	SDR 35 PVC	18"

KEYNOTES:

- PROPOSED EPC TYPE A SPILL CURB AND GUTTER PER EL PASO COUNTY STANDARD DRAWING 2-20 (REF SHEET C1.17 FOR DETAIL)
- PROPOSED CONCRETE SIDEWALK PER COLORADO SPRINGS STANDARD DRAWING D-18, DIMENSIONED PER PLAN
- PROPOSED ADA PARKING (REF. SHEET C1.23 FOR DETAIL)
- EXISTING HYDRANT TO BE RESET TO FINISHED GRADE
- PROPOSED TYPE 1 SIDEWALK CURB RAMP PER CITY OF COLORADO SPRINGS DRAWING D-8D (REF. SHEET C1.17 FOR DETAIL)
- PROPOSED ASPHALT PAVEMENT (SEE DETAIL 3/C1.22)
- PROPOSED STORM SEWER MANHOLE (REF. SHEETS C1.12 - C1.16 FOR SIZE AND MATERIAL)
- PROPOSED STORM SEWER PIPE (REF. SHEETS C1.12 - C1.16 FOR SIZE AND MATERIAL)
- PROPOSED FRENCH DRAIN (SEE DETAIL 5/C1.23)
- PROPOSED CDOT TYPE C INLET WITH CONCRETE APRON (REF. SHEET C1.18 FOR DETAIL)
- PROPOSED CDOT TYPE C AREA INLET (REF. SHEET C1.18 FOR DETAIL)
- PROPOSED CDOT TYPE D AREA INLET (REF. SHEET C1.18 FOR DETAIL)
- PROPOSED CONCRETE PAD
- PROPOSED RETAINING WALL (REF. GRADING PLAN FOR DETAILS)
- PROPOSED BOLLARD (SEE DETAIL 4/C1.23)



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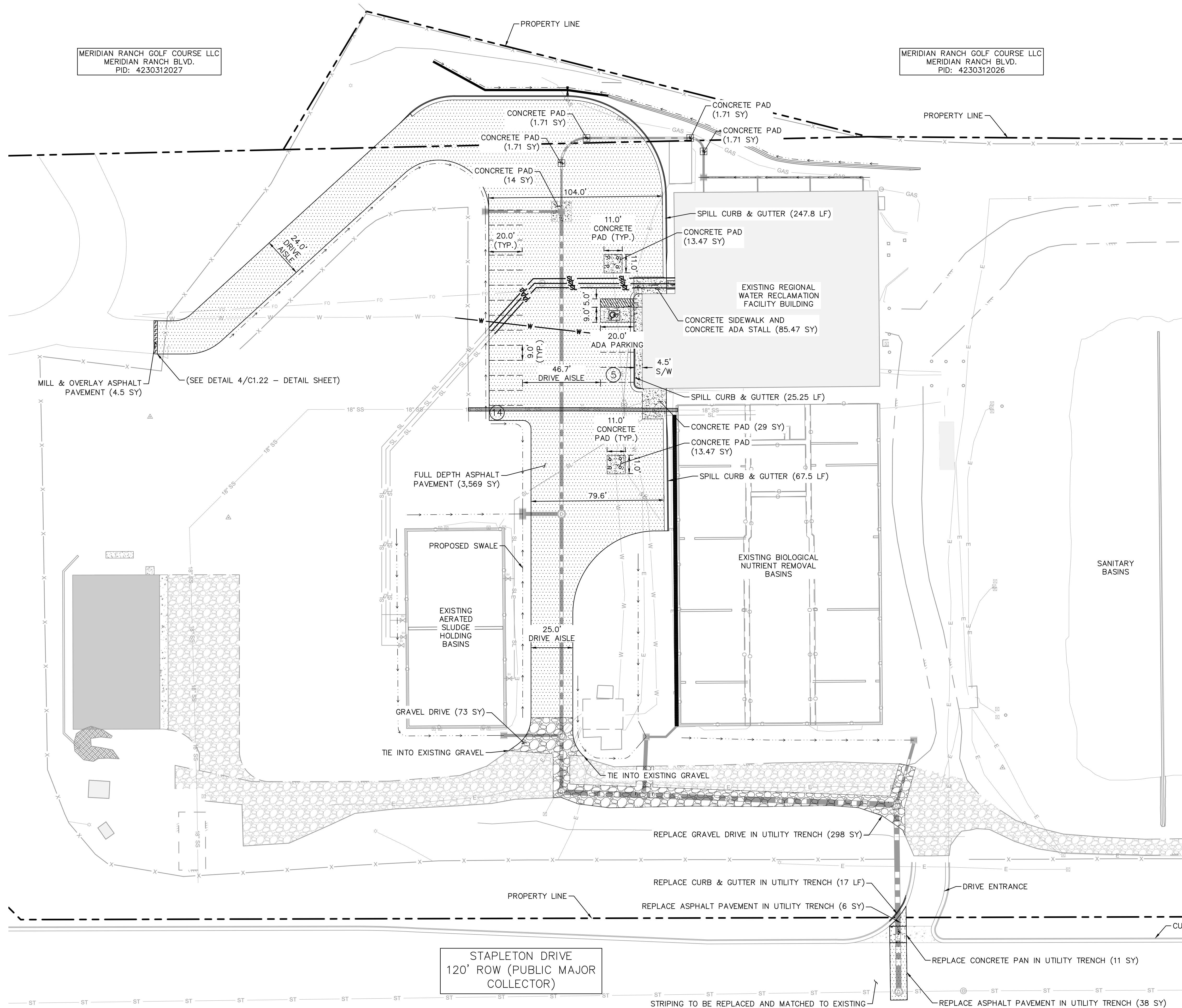
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196013004
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COLORADO
EL PASO COUNTY
RWRF STORMWATER
IMPROVEMENTS
PREPARED FOR
WOODMEN HILLS
METROPOLITAN DISTRICT

SITE PLAN

SHEET NUMBER
C1.5

PCD FILE NO.: CDR268

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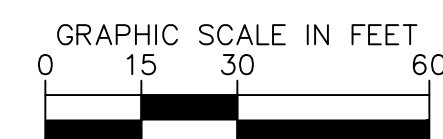
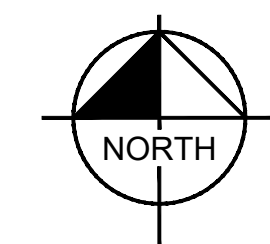


LEGEND

- PROPERTY LINE
- PARCEL LINE
- EXISTING SITE FENCE
- EXISTING WATER MAIN
- EXISTING 18" SANITARY LINE
- EXISTING SLUDGE LINE
- EXISTING FIBER OPTICS LINE
- EXISTING GAS LINE
- EXISTING ELECTRIC LINE
- EXISTING STORM SEWER
- SWALE (REF. GRADING PLANS)
- MSE BLOCK RETAINING WALL
- PARKING DELINEATION (NO STRIPING)
- SPILL CURB & GUTTER
- EXISTING GRAVEL DRIVE
- EXISTING CONCRETE SIDEWALK
- LANDSCAPING
- CONCRETE SIDEWALK/CONCRETE PAD
- ASPHALT DRIVE AREA
- FLOWFILL ENCASEMENT
- MILL & OVERLAY ASPHALT
- PROPOSED CONCRETE PAN REPLACEMENT
- PROPOSED GRAVEL DRIVE

NOTES

- STRIPING TO BE REPLACED AND MATCHED TO EXISTING



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No.	Revisions	By	Date

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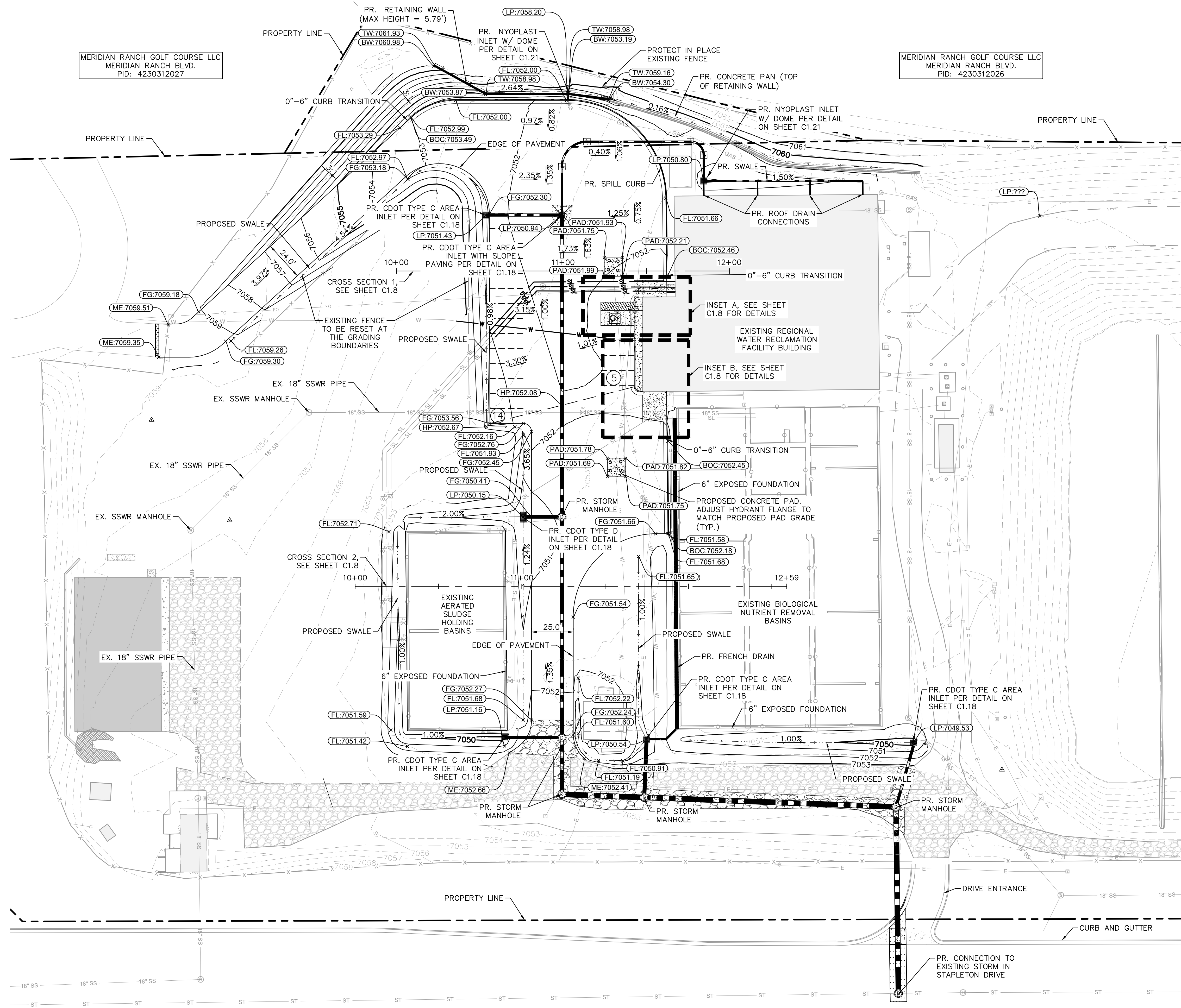
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PAVING PLAN

SHEET NUMBER
C1.6

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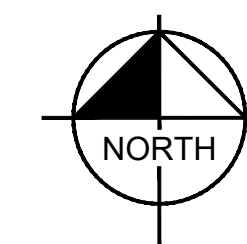


LEGEND

- SPILL CURB & GUTTER
- SWALE (REF. GRADING PLANS)
- MSE BLOCK RETAINING WALL
- INSET
- ASPHALT PAVEMENT
- CONCRETE SIDEWALK

ABBREVIATION LEGEND

- BW BOTTOM OF WALL AT FINISHED GRADE
- TW TOP OF WALL AT FINISHED GRADE
- FG FINISHED GRADE
- FL FLOWLINE
- LP LOW POINT
- HP HIGH POINT
- ME MATCH EXISTING
- BOC BACK OF CURB



GRAPHIC SCALE IN FEET
0 15 30 60



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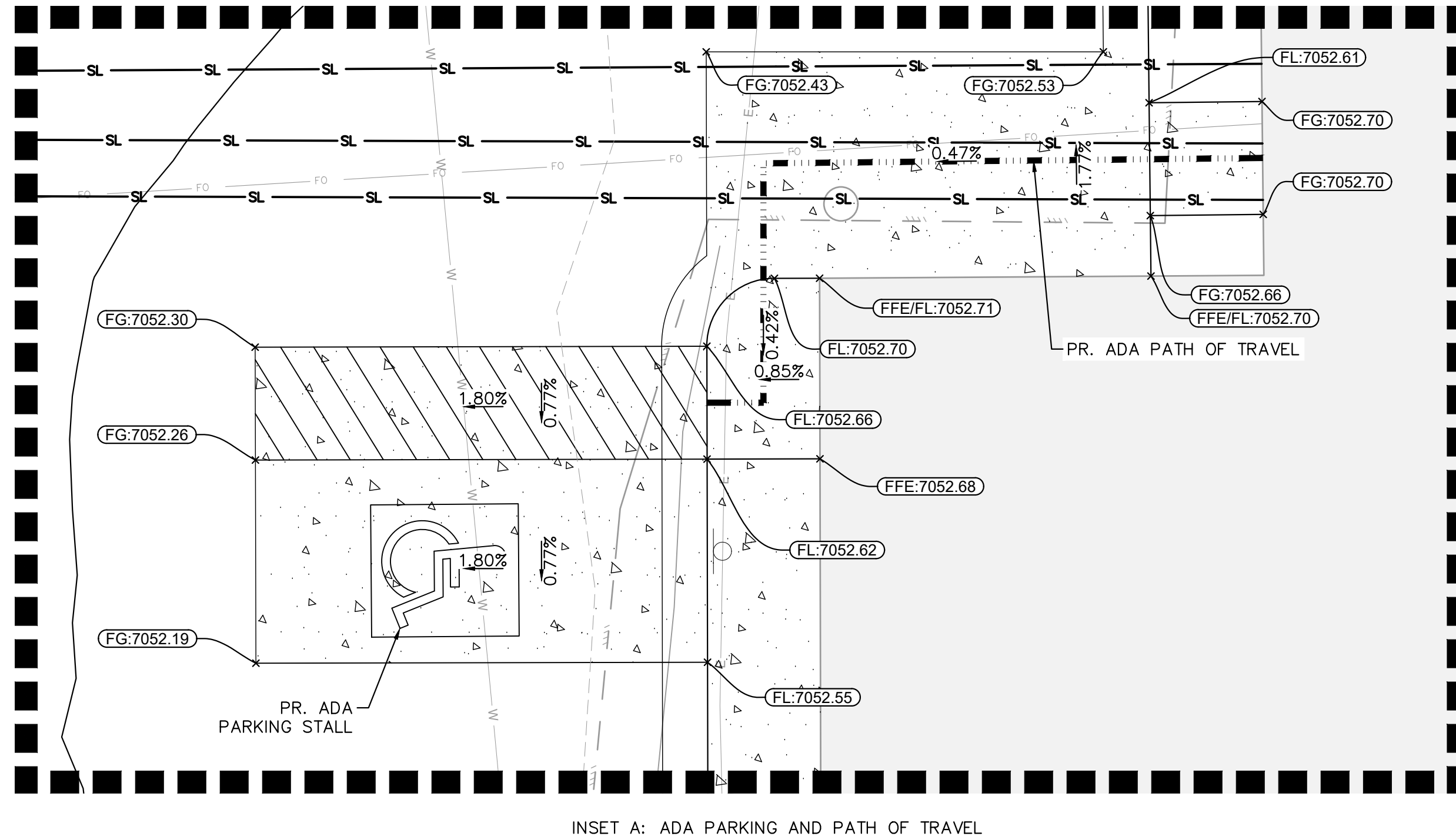
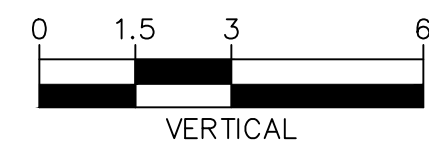
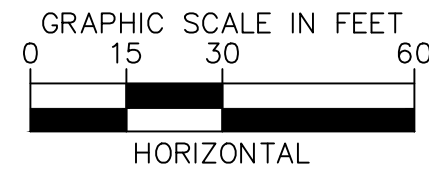
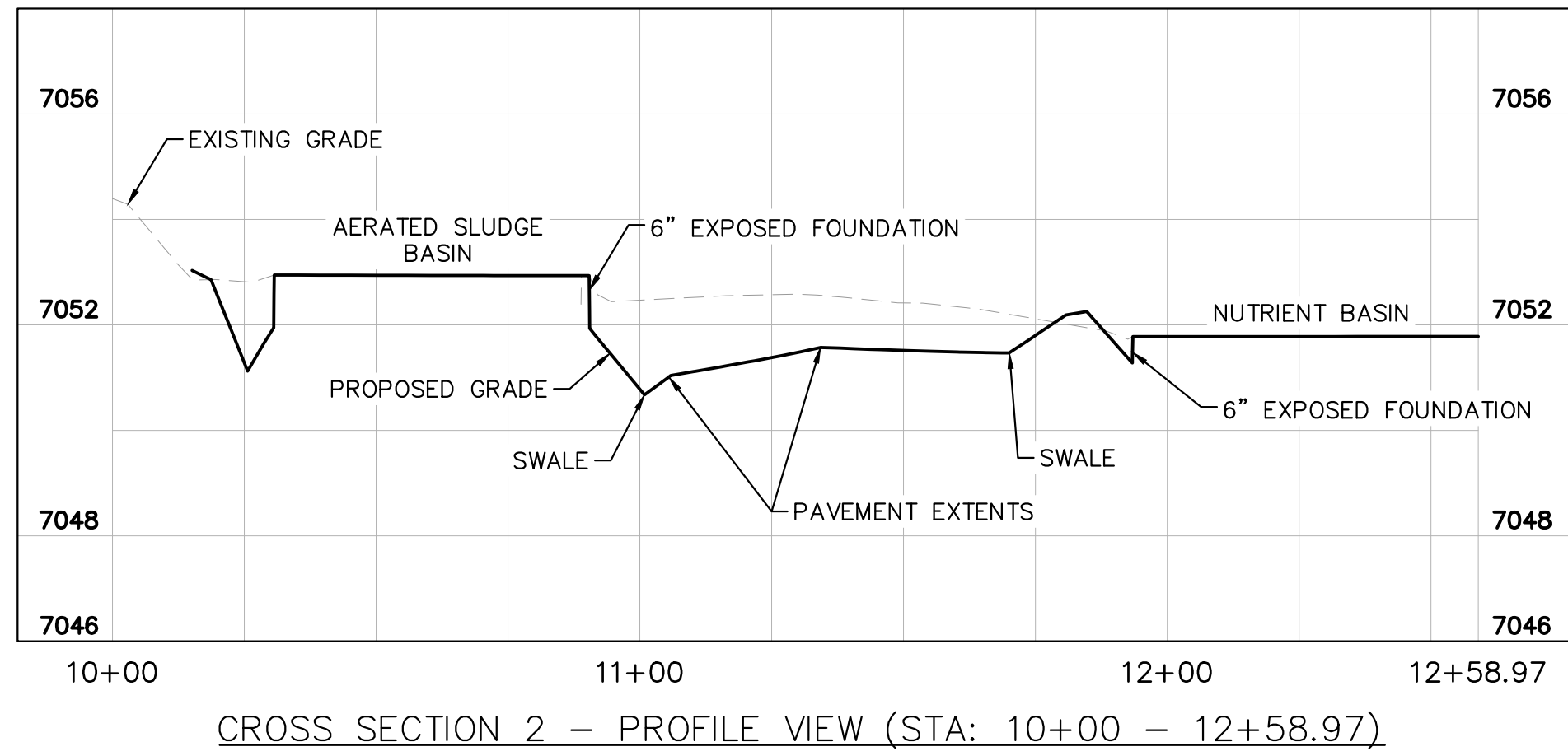
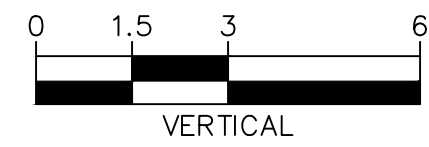
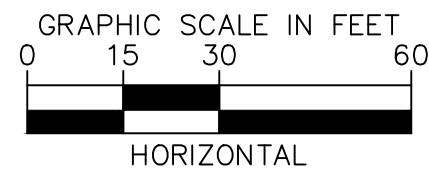
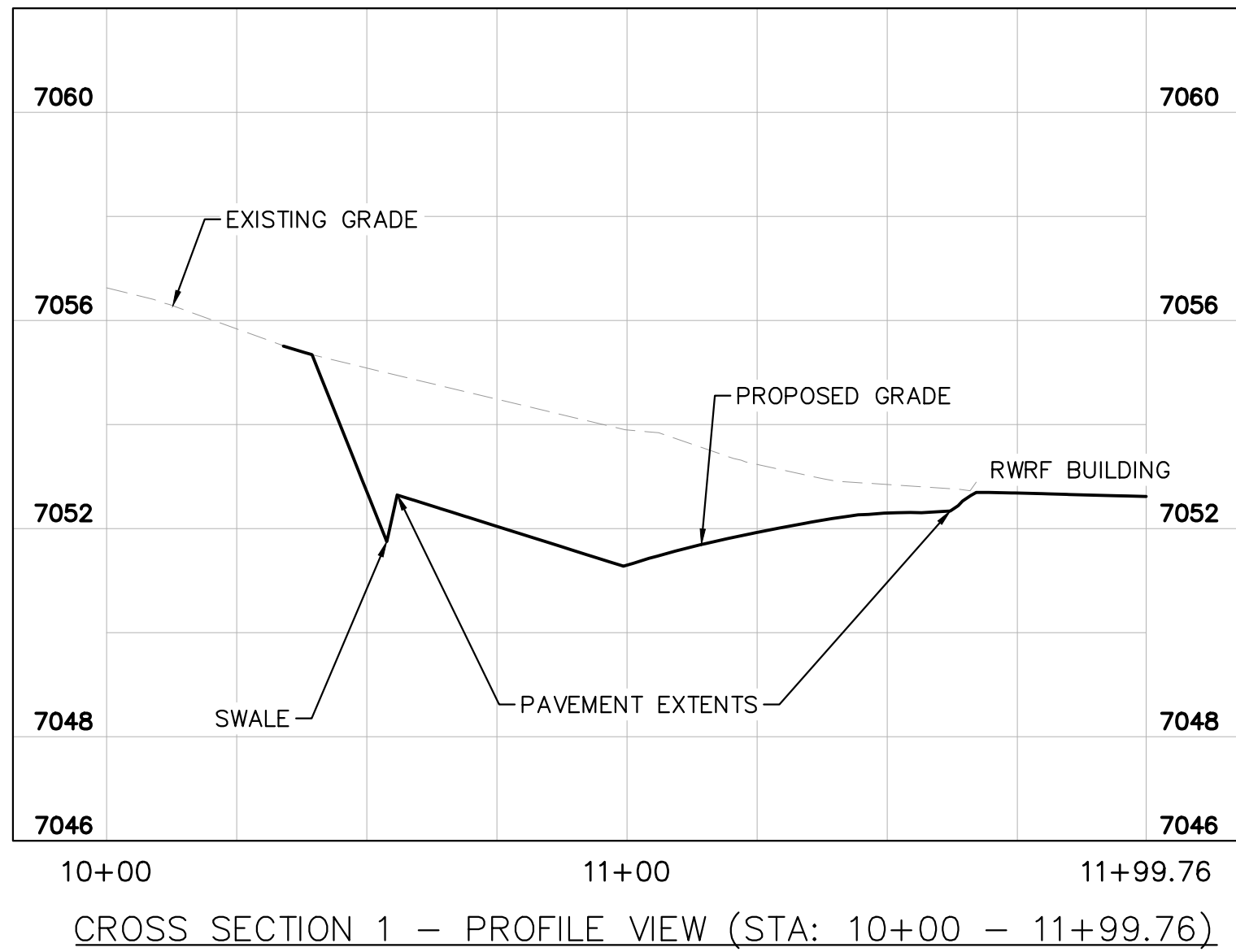
RWRF STORMWATER
IMPROVEMENTS
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EL PASO COUNTY
COLORADO

GRADING PLAN

SHEET NUMBER
C1.7

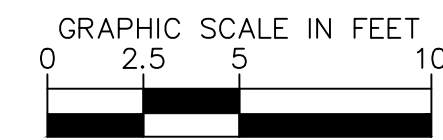
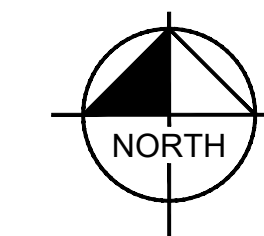
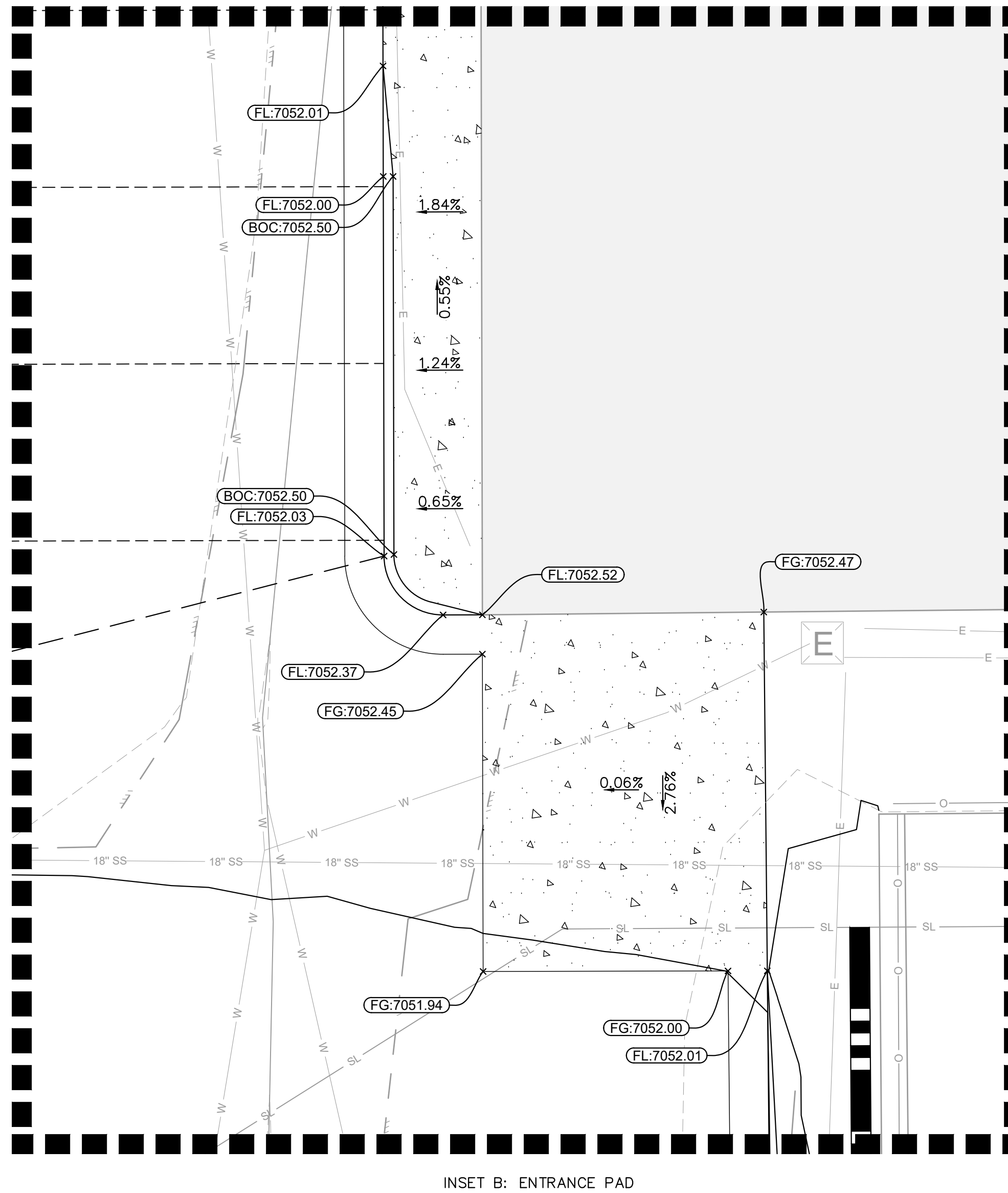
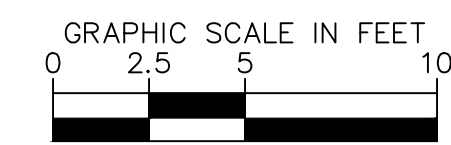
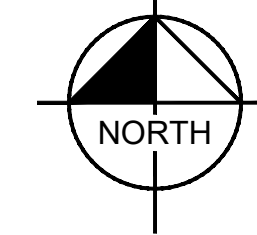
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LEGEND

- SPILL CURB & GUTTER
- SWALE (REF. GRADING PLANS)
- MSE BLOCK RETAINING WALL
- ASPHALT PAVEMENT
- CONCRETE SIDEWALK



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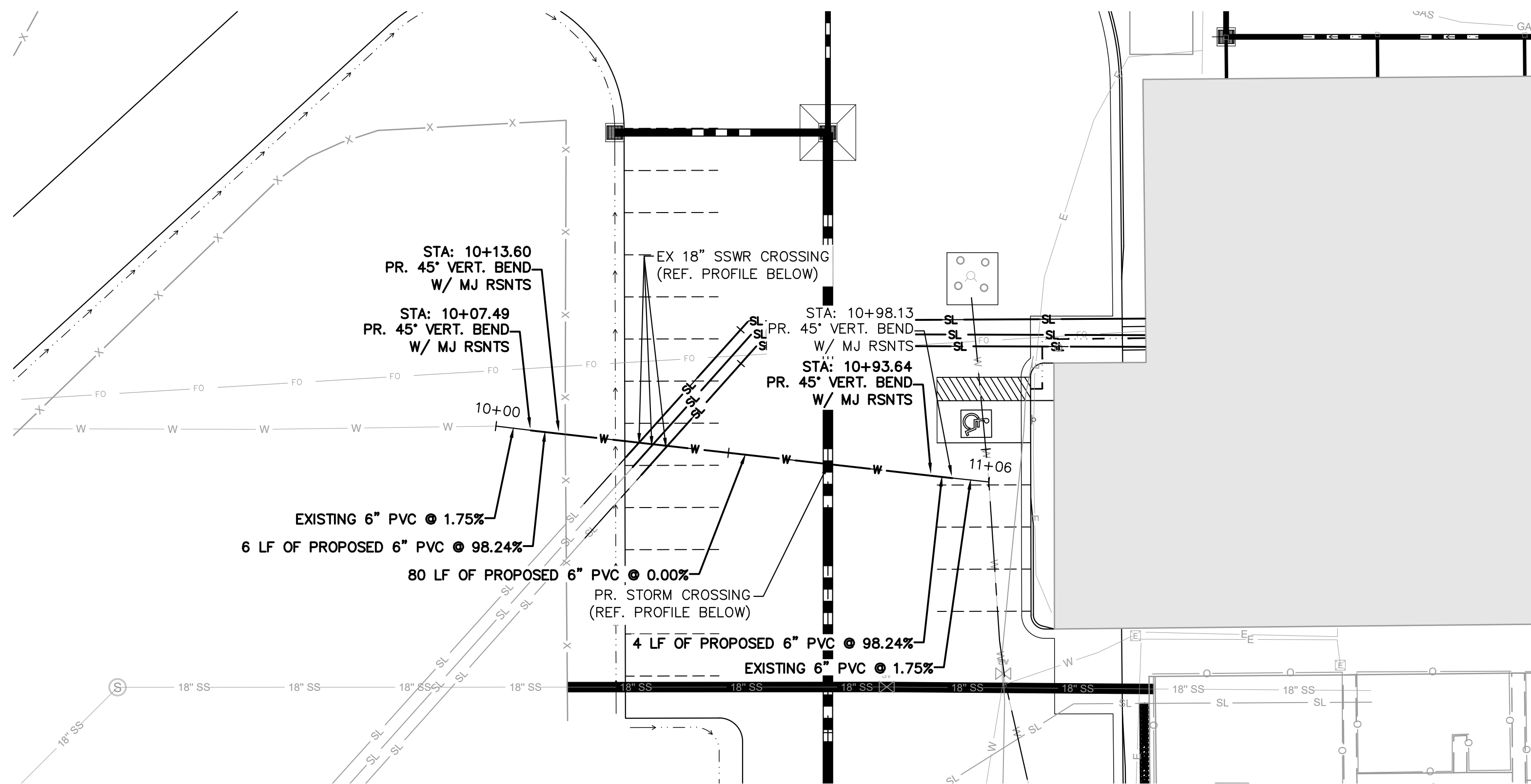
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CROSS SECTIONS & ADA INSET

SHEET NUMBER
C1.8

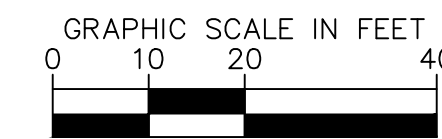
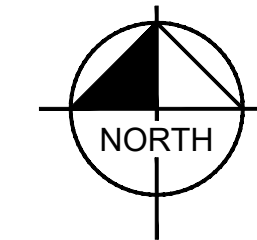
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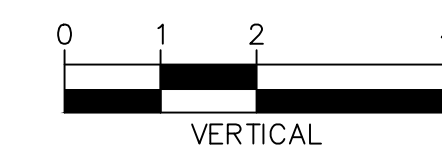
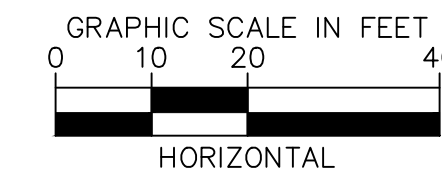
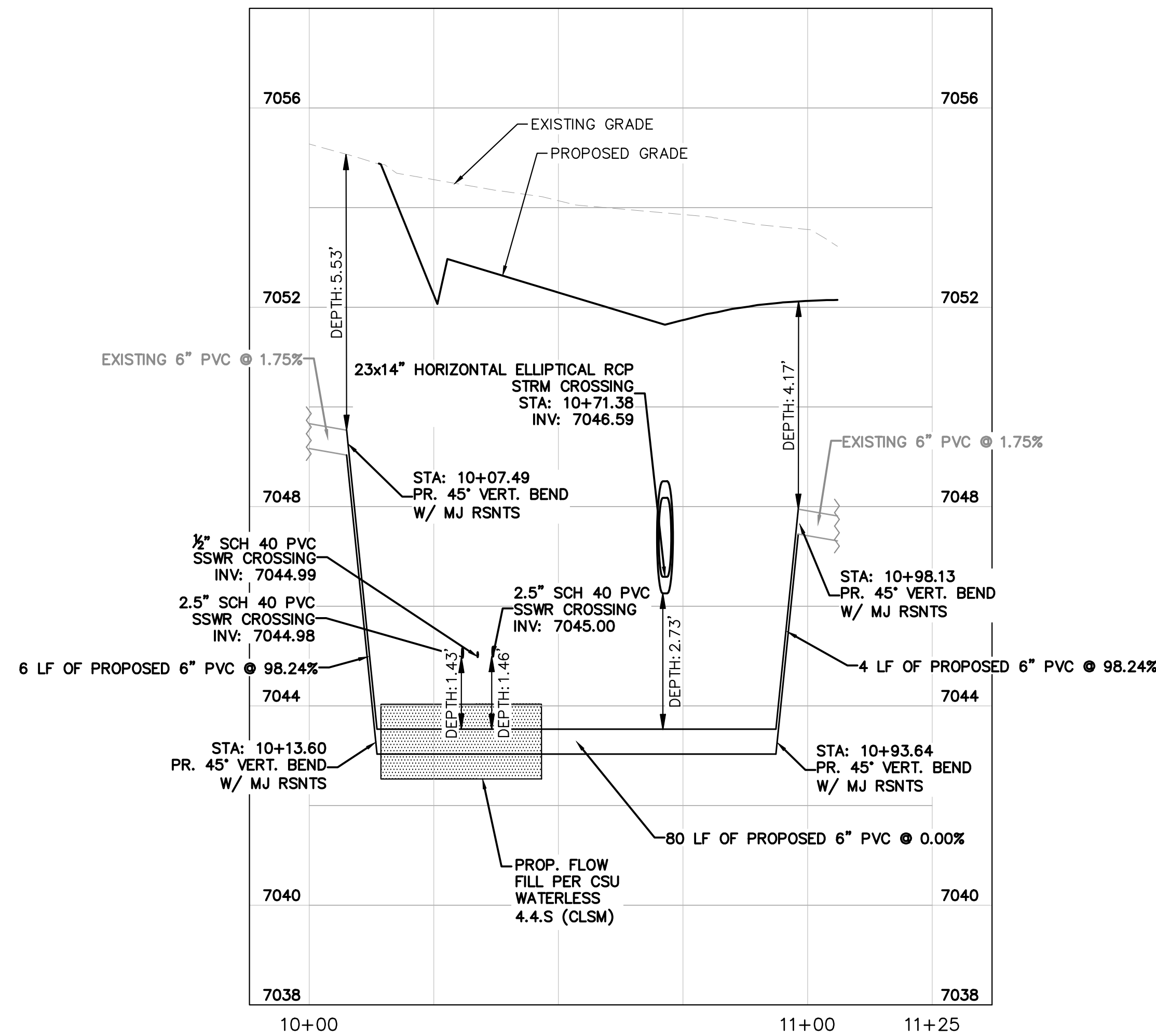


LEGEND

	PROPERTY LINE
	PARCEL LINE
	EXISTING SITE FENCE
	EXISTING WATER MAIN
	EXISTING 18" SANITARY LINE
	EXISTING SLUDGE LINE
	EXISTING FIBER OPTICS LINE
	EXISTING GAS LINE
	EXISTING ELECTRIC LINE
	EXISTING STORM SEWER
	PROPOSED SLUDGE LINE
	PROPOSED WATER LINE
	PROPOSED STORM LINE
	SWALE (REF. GRADING PLANS)
	MSE BLOCK RETAINING WALL
	PARKING DELINEATION (NO STRIPING)
	SPILL CURB & GUTTER



WATER LINE – PLAN VIEW (STA: 10+00 – 11+06)



WATER LINE – PROFILE VIEW (STA: 10+00 – 11+06)



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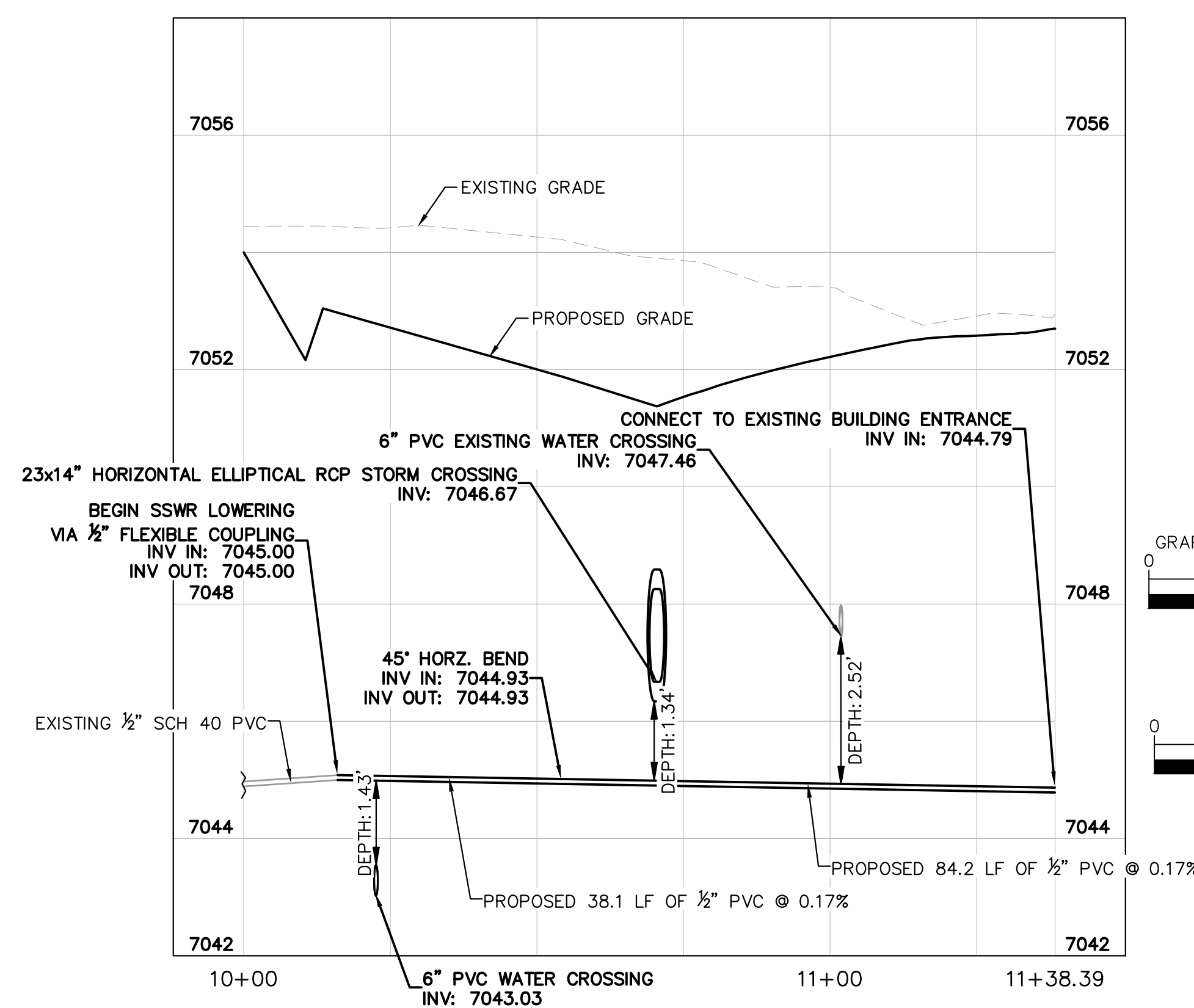
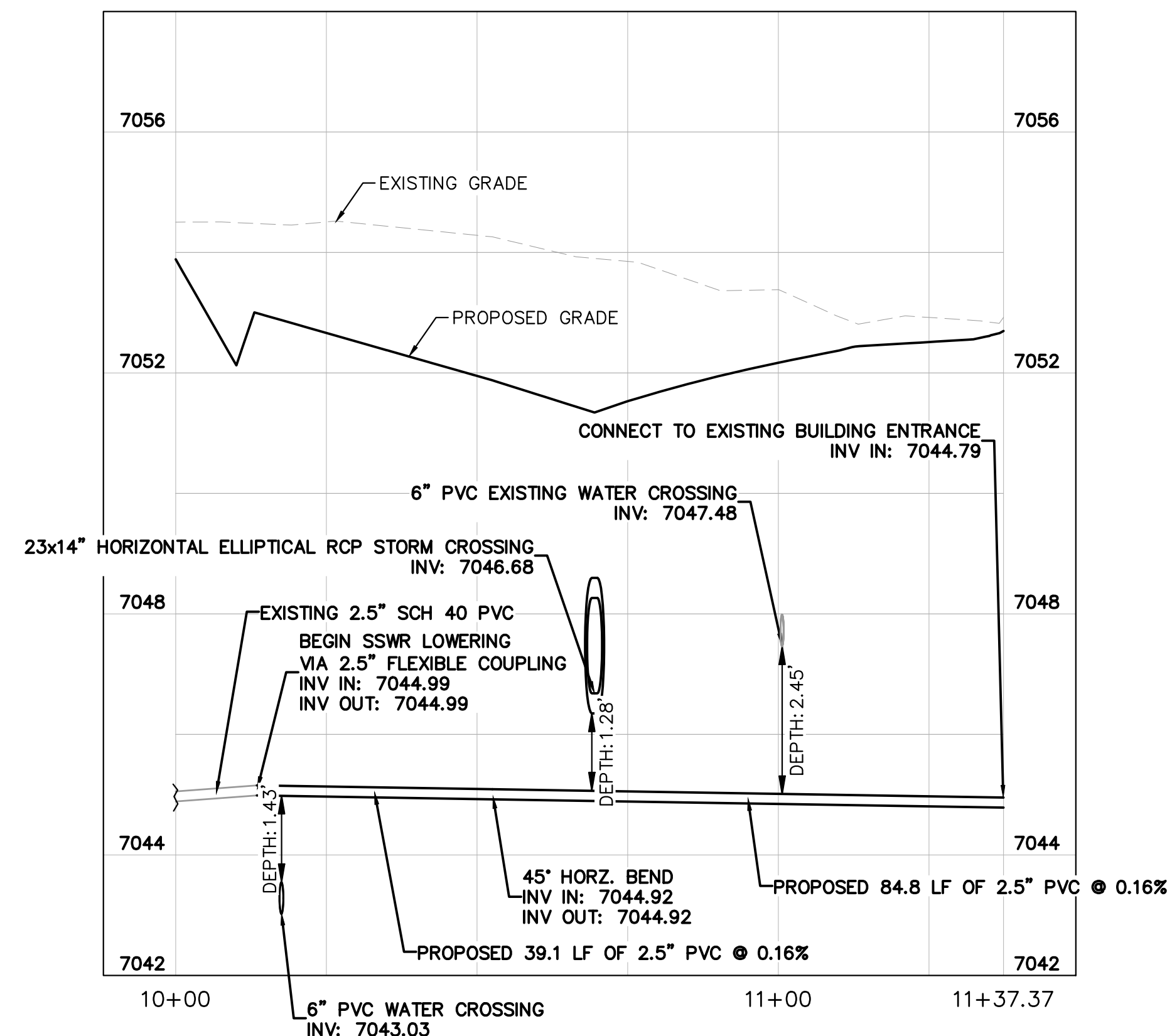
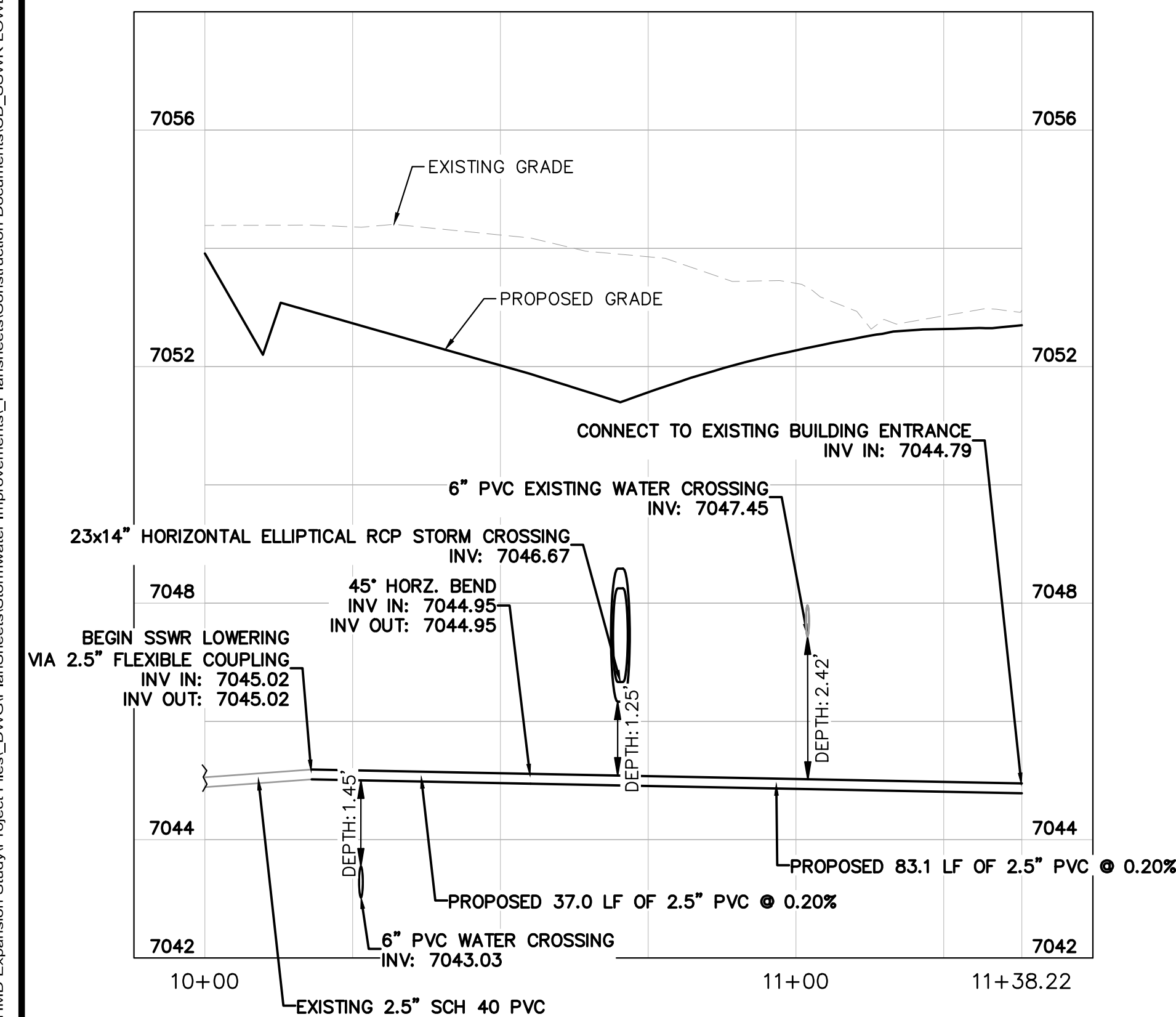
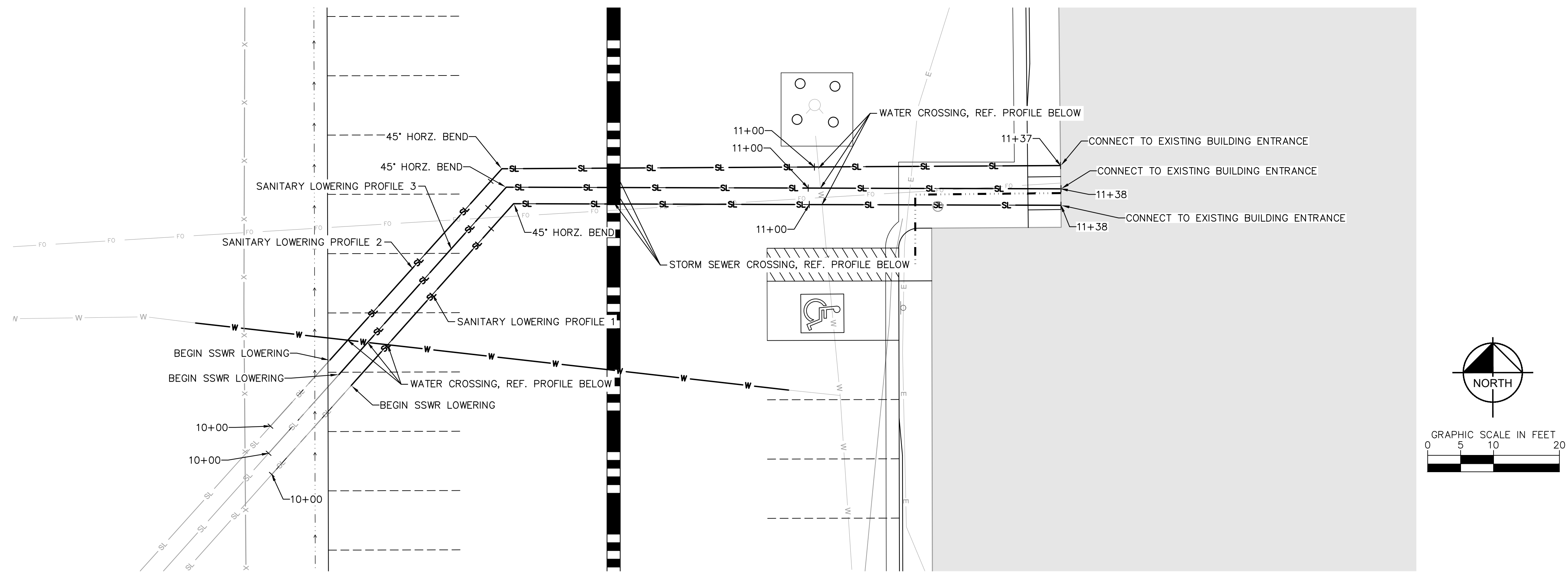
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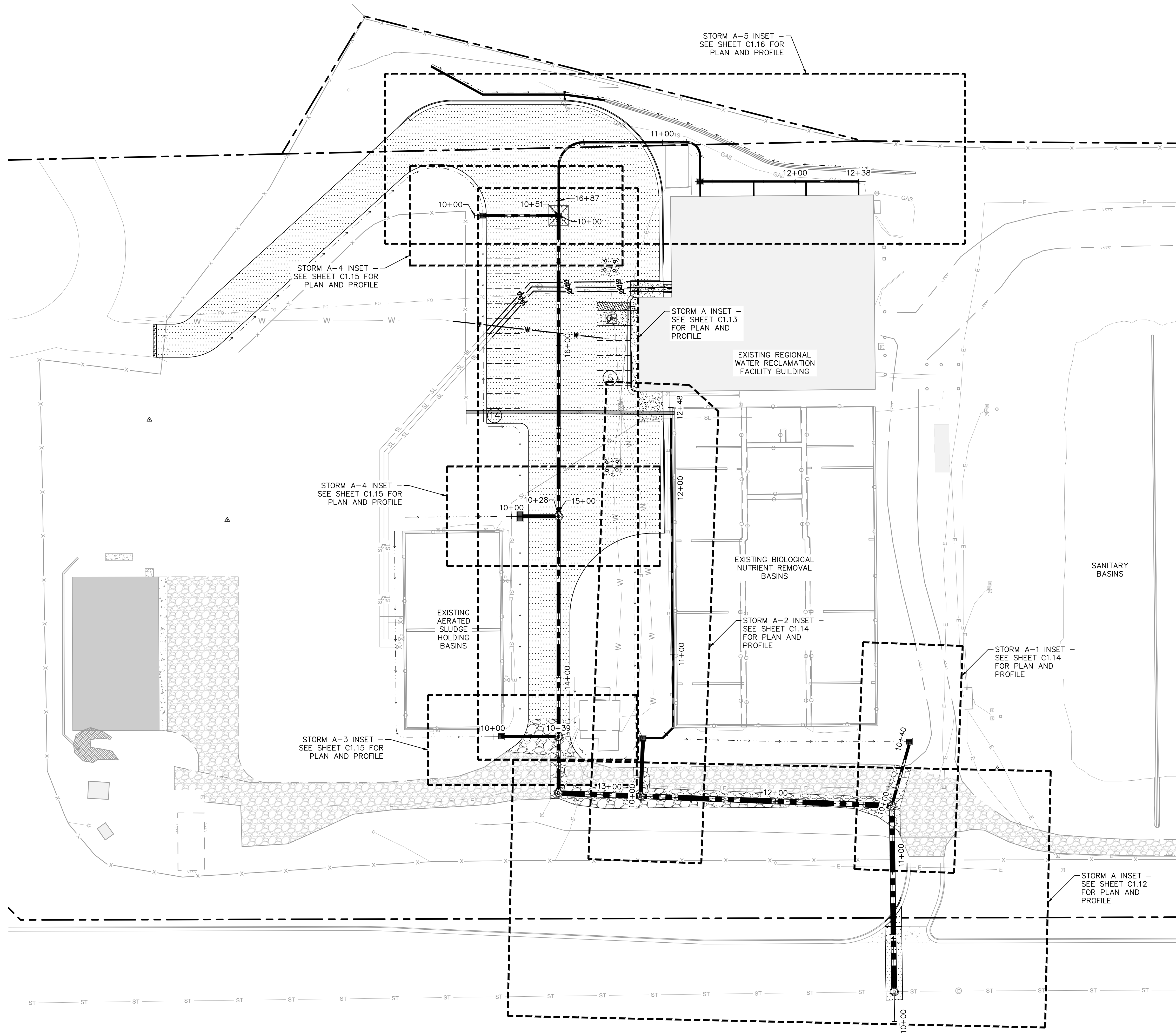
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WATER LOWERING PLAN &
PROFILE

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C1.9

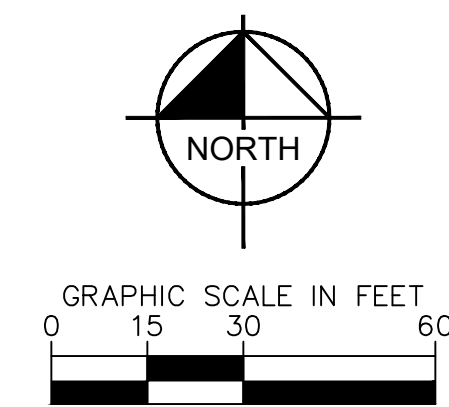


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LEGEND

- PROPOSED SPILL CURB & GUTTER
- PROPOSED SWALE (REF. GRADING PLANS)
- PROPOSED MSE BLOCK RETAINING WALL
- PROPERTY LINE



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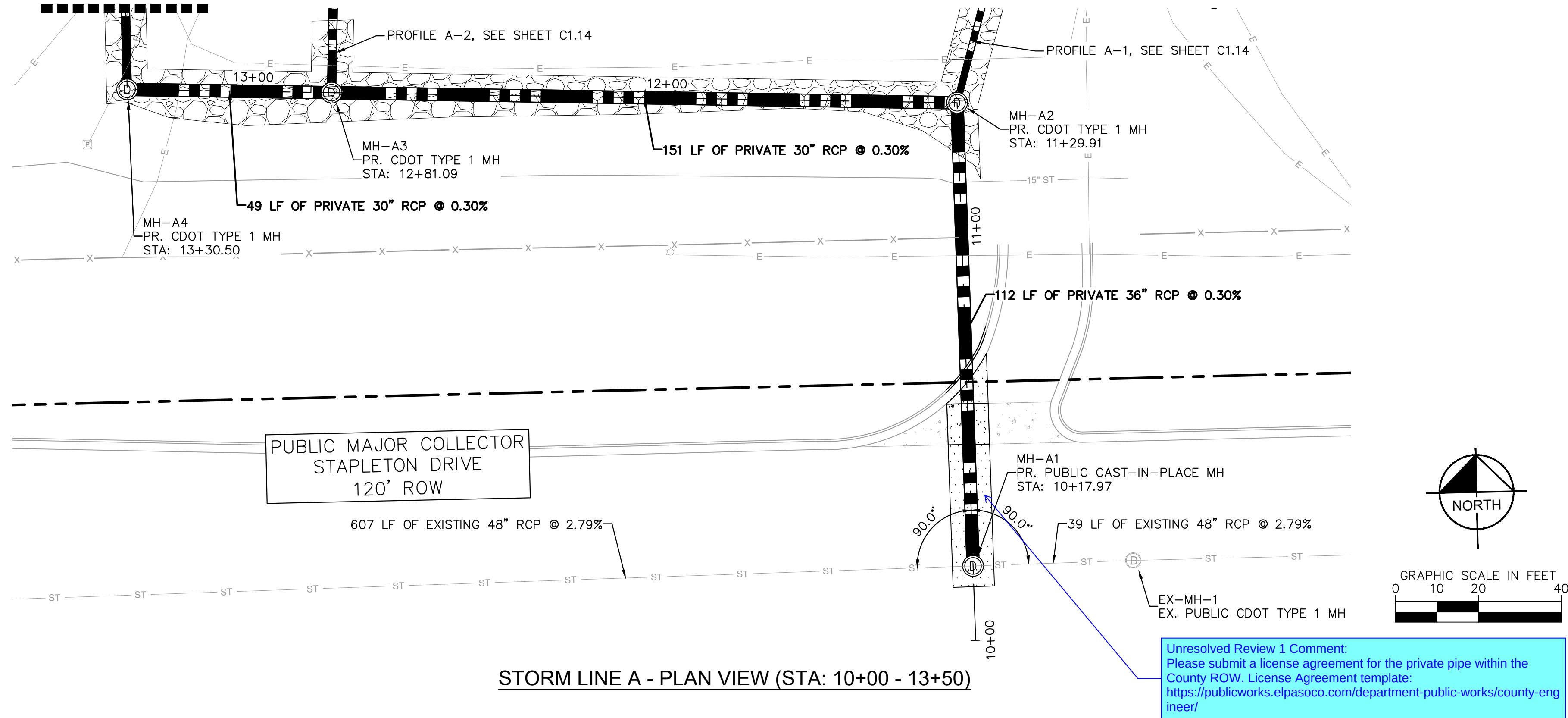
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IMPROVEMENTS
PREPARED FOR
WOODMEN HILLS
METROPOLITAN DISTRICT
EL PASO COUNTY
COLORADO

OVERALL STORM PLAN

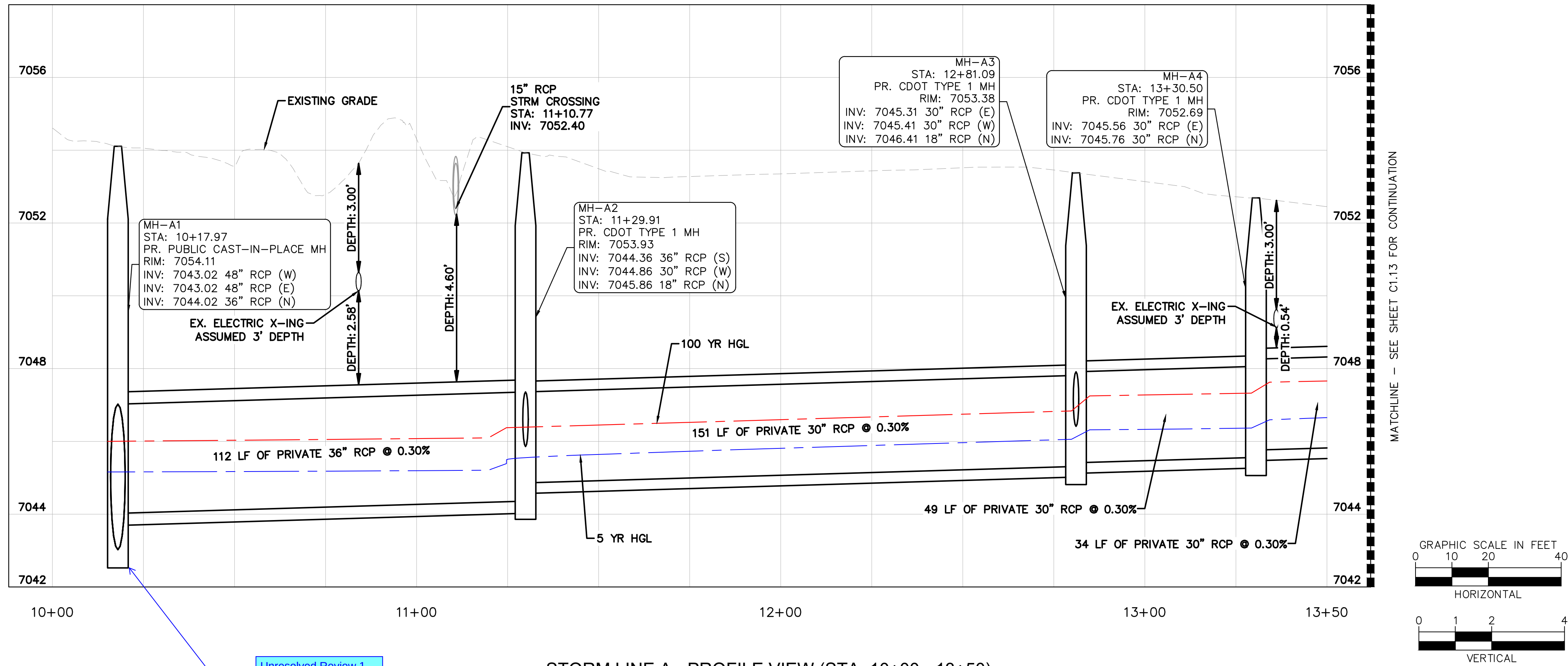
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MATCHLINE - SEE SHEET C1.13 FOR CONTINUATION



STORM LINE A - PLAN VIEW (STA: 10+00 - 13+50)



STORM LINE A - PROFILE VIEW (STA: 10+00 - 13+50)

LEGEND

- PROPERTY LINE
- EASEMENT LINE
- SETBACK LINE
- PROPOSED SANITARY LINE
- PROPOSED STORM LINE
- PROPOSED FIRE LINE
- PROPOSED WATER LINE
- EXISTING GAS LINE
- EXISTING WATER LINE
- EXISTING ELECTRIC LINE
- EXISTING STORM LINE
- 5-YR DESIGN STORM HGL
- 100-YR DESIGN STORM HGL

NOTES

- ALL PROPOSED STORM INFRASTRUCTURE IS TO BE CONSIDERED PRIVATE UNLESS OTHERWISE NOTED.
- PIPE BEDDING MATERIAL PER WHMD STANDARD SPECIFICATION 3.3

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COLORADO
EL PASO COUNTY

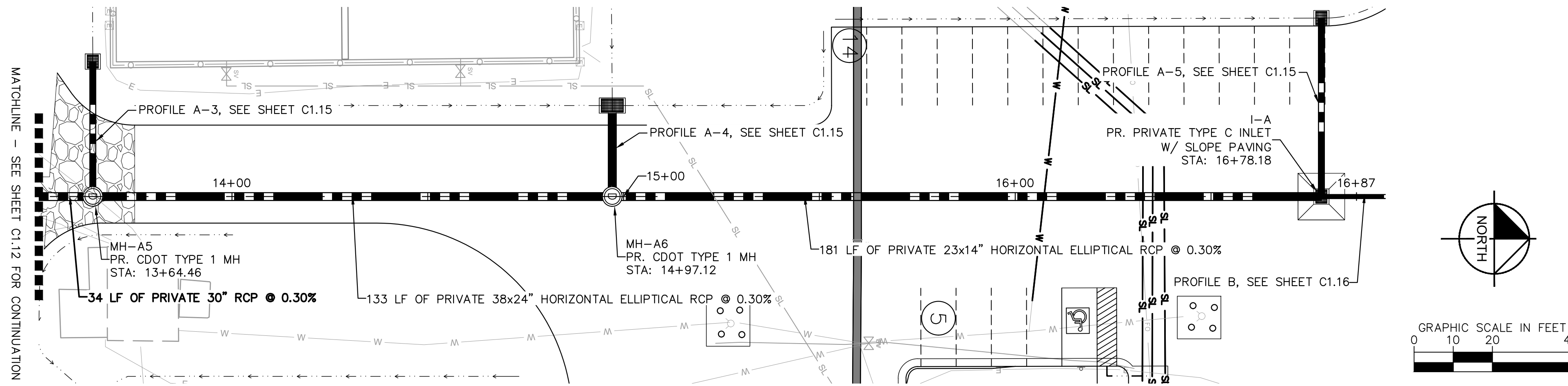
STORM PLAN AND PROFILE

SHEET NUMBER
C1.12



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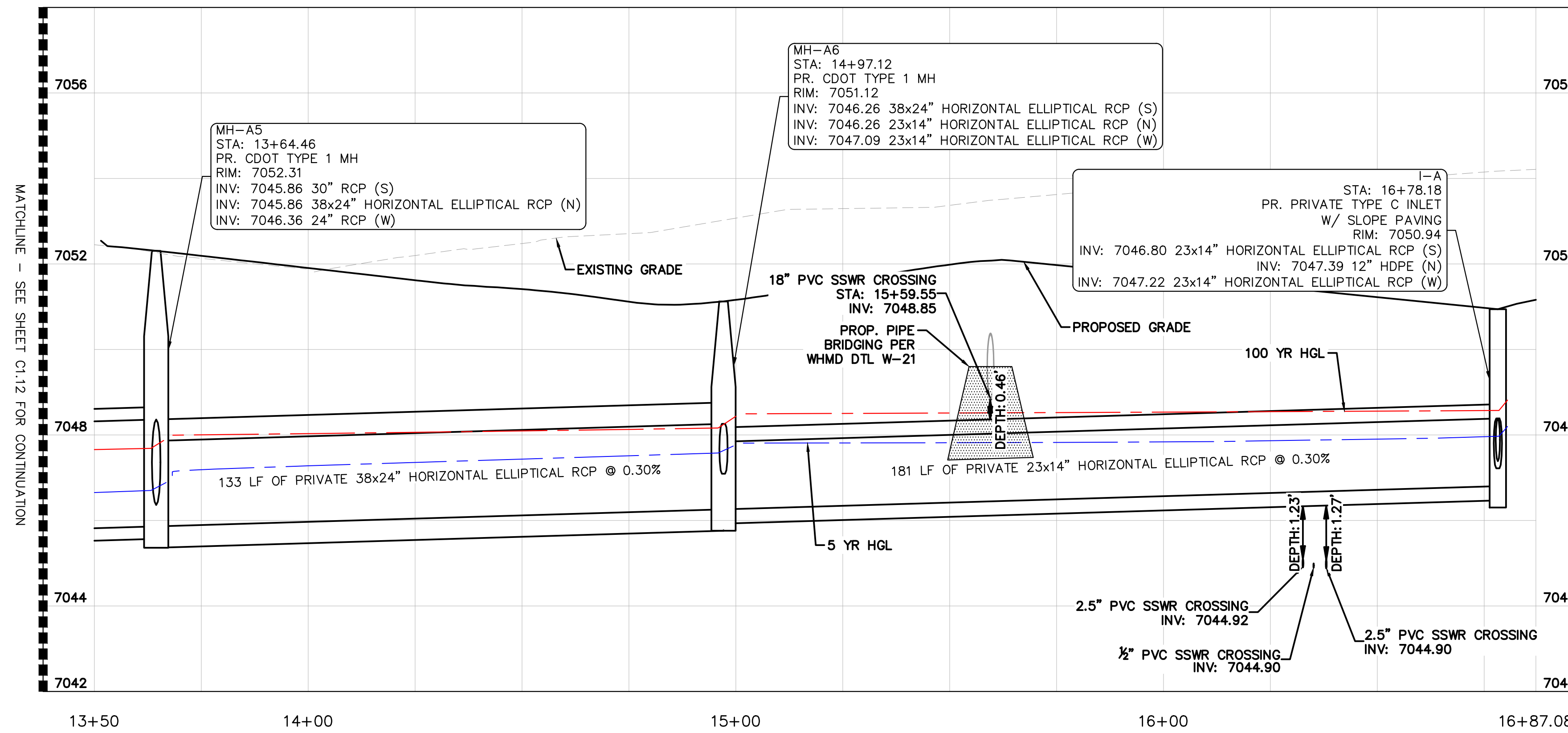
STORM LINE A - PLAN VIEW

LEGEND

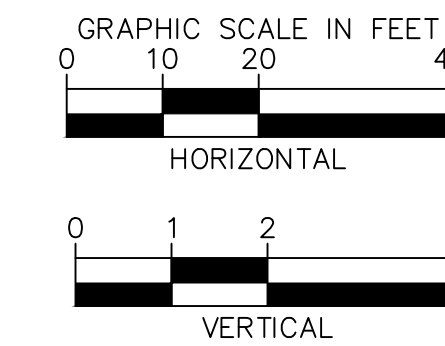
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	EASEMENT LINE
	SETBACK LINE
	PROPOSED SANITARY LINE
	PROPOSED STORM LINE
	PROPOSED WATER LINE
	PROPOSED FIRE LINE
	EXISTING GAS LINE
	EXISTING WATER LINE
	EXISTING ELECTRIC LINE
	EXISTING STORM LINE
	5-YR DESIGN STORM HGL
	100-YR DESIGN STORM HGL

NOTES

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- PIPE BEDDING MATERIAL PER WHMD STANDARD SPECIFICATION 3.3



STORM LINE A - PROFILE VIEW



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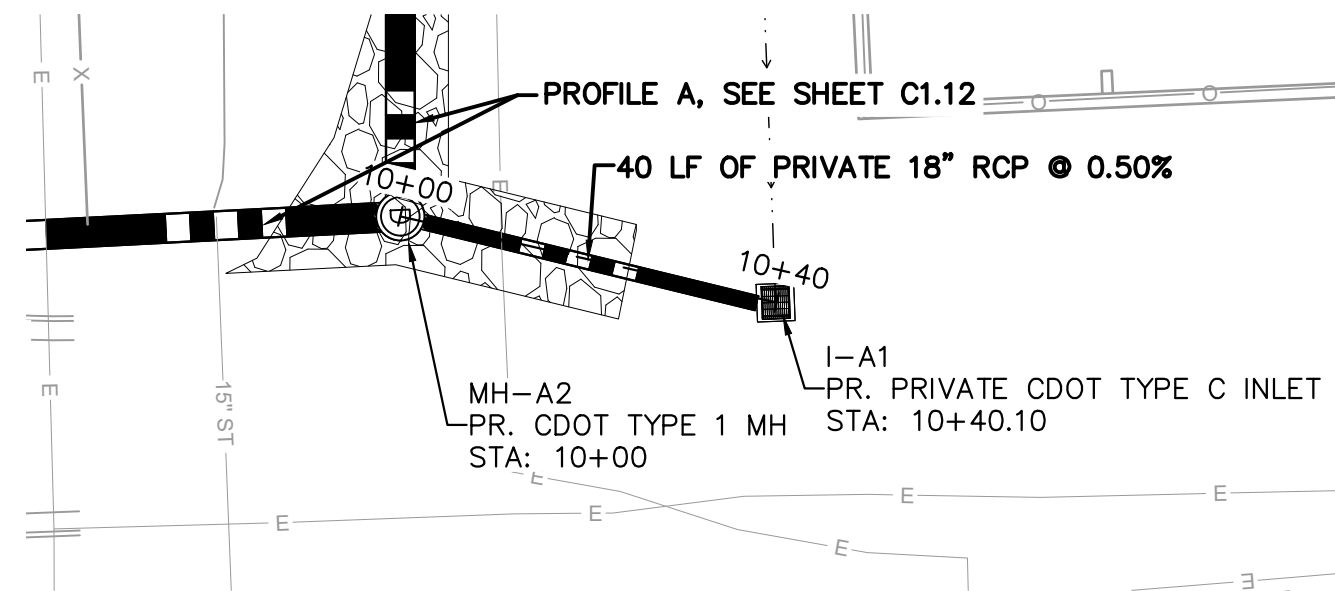
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METROPOLITAN DISTRICT
EL PASO COUNTY
COLORADO

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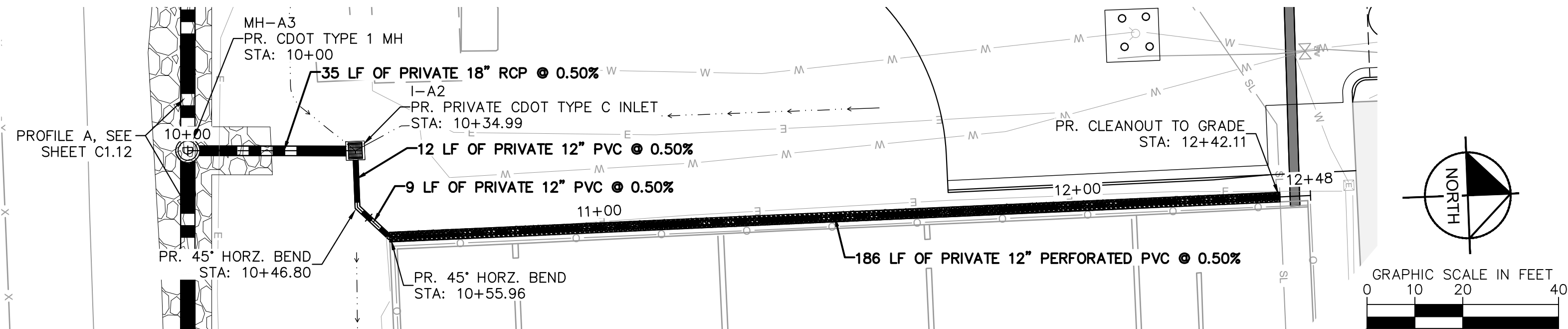
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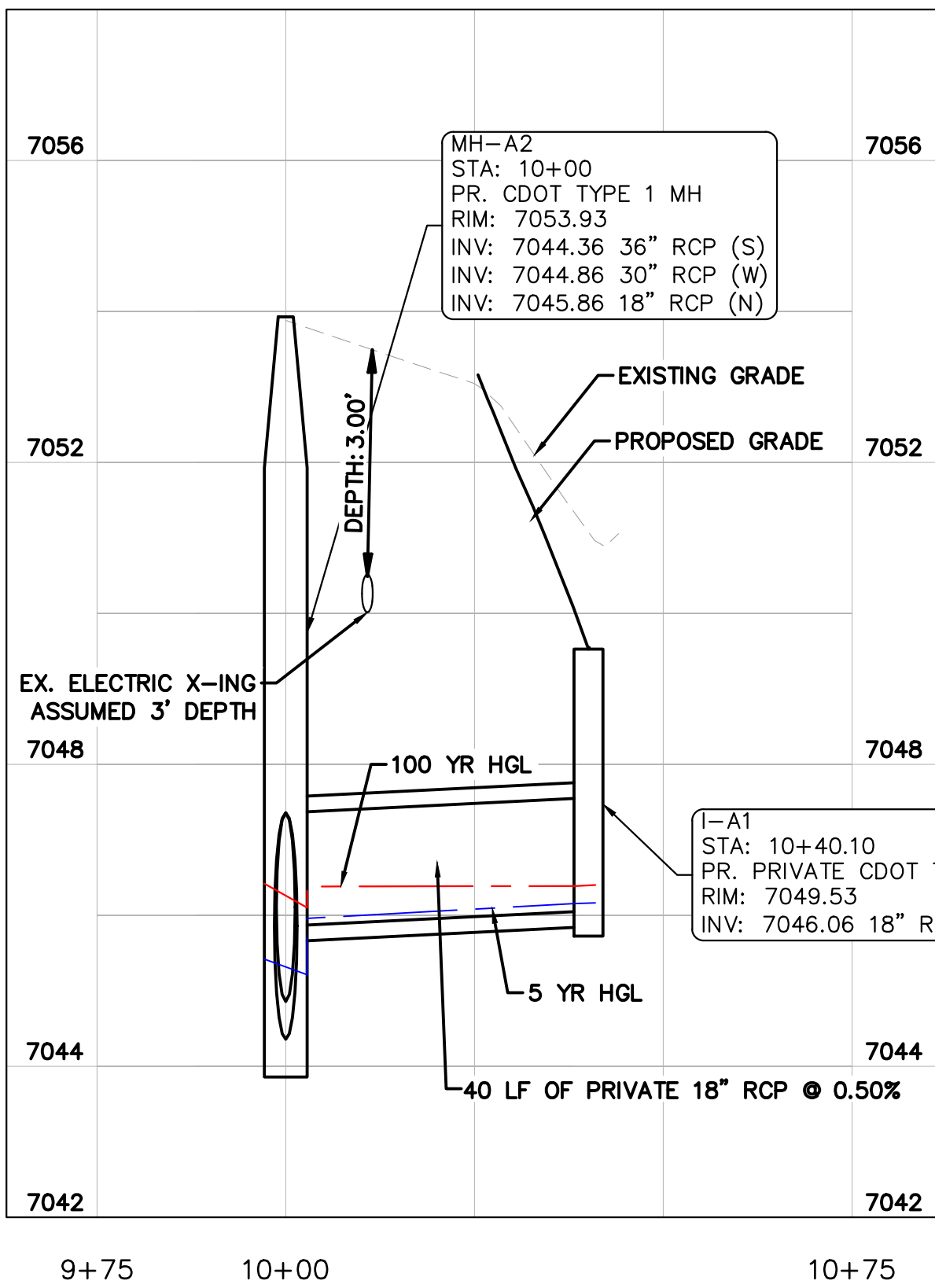
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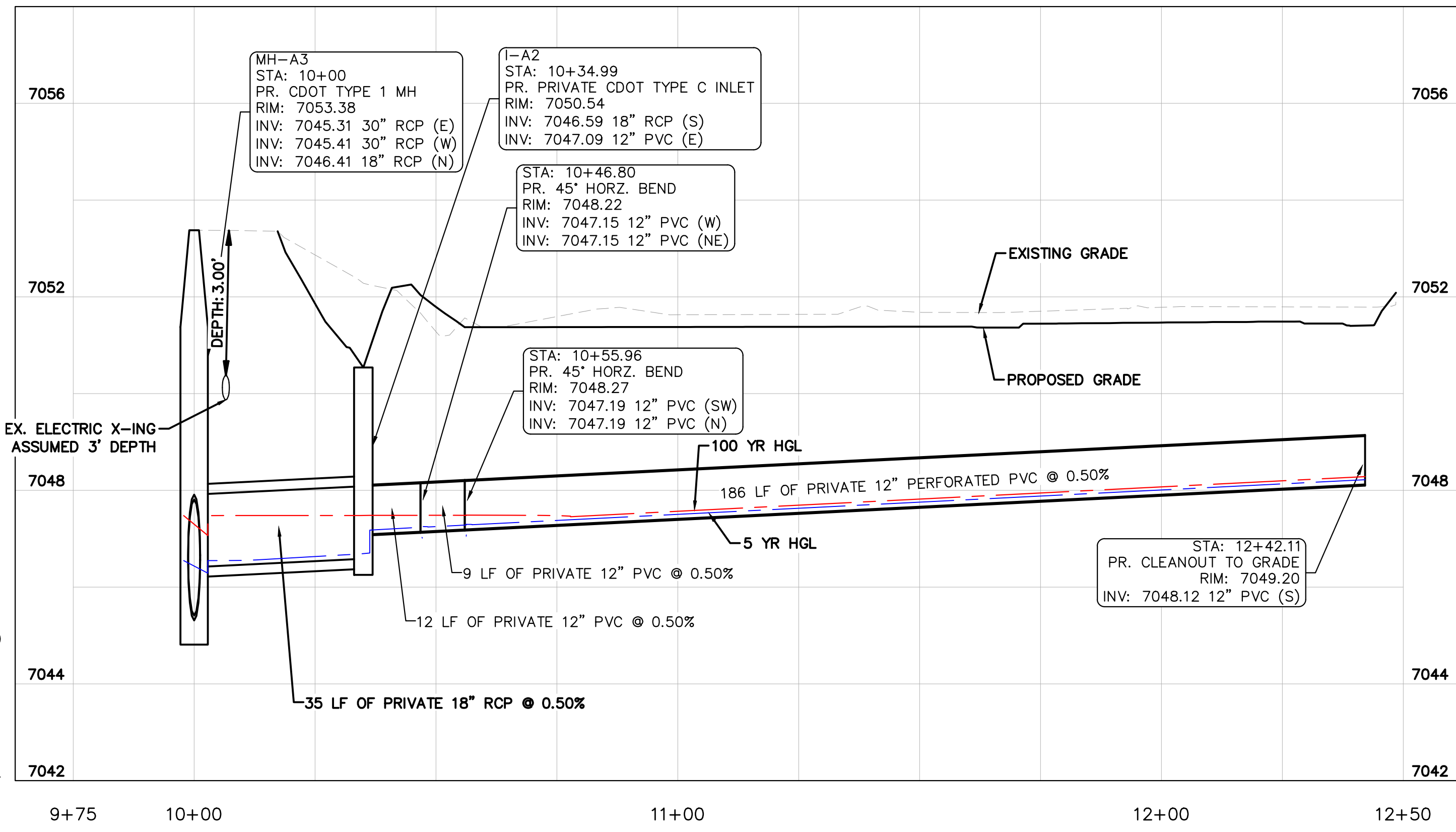
STORM LINE A.1 - PLAN VIEW



STORM LINE A.2 - PLAN VIEW



STORM LINE A.1 - PROFILE VIEW



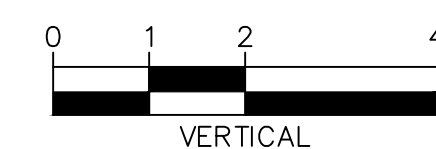
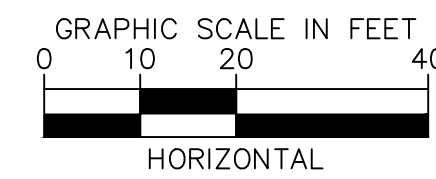
STORM LINE A.2 - PROFILE VIEW

LEGEND

---	PROPERTY LINE
---	EASEMENT LINE
---	SETBACK LINE
---	PROPOSED SANITARY LINE
---	PROPOSED STORM LINE
---	PROPOSED WATER LINE
---	PROPOSED FIRE LINE
---	EXISTING GAS LINE
---	EXISTING WATER LINE
---	EXISTING ELECTRIC LINE
---	EXISTING STORM LINE
---	5-YR DESIGN STORM HGL
---	100-YR DESIGN STORM HGL

NOTES

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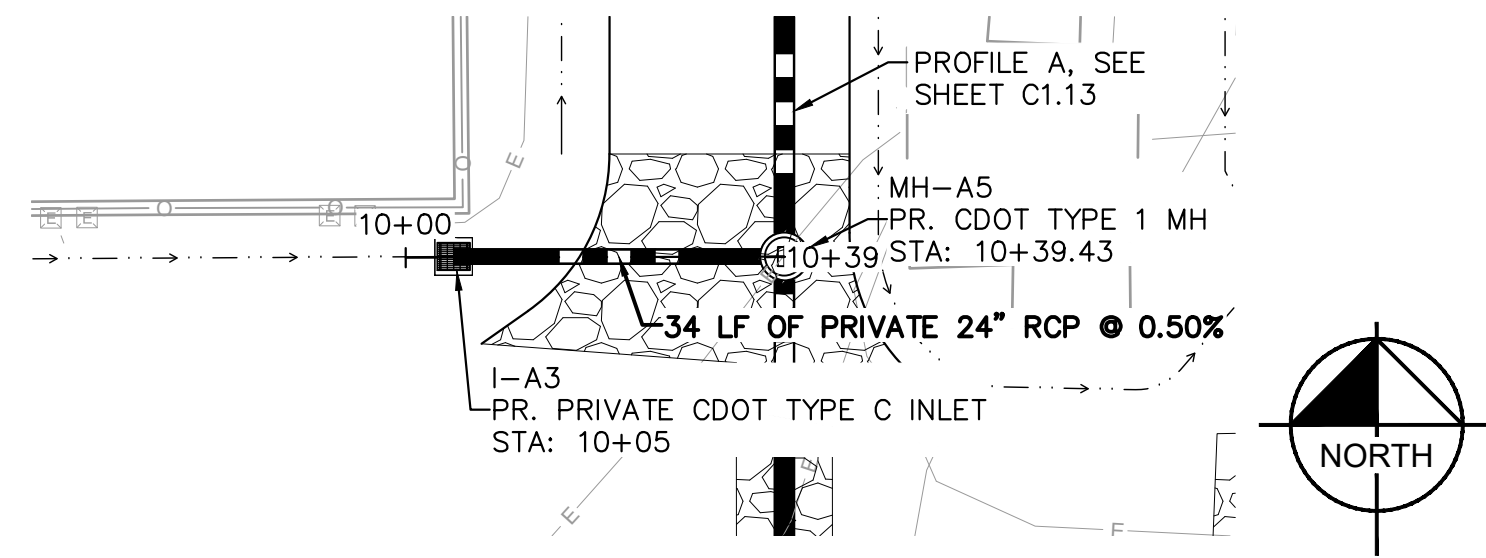
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COLORADO

STORM PLAN AND PROFILE

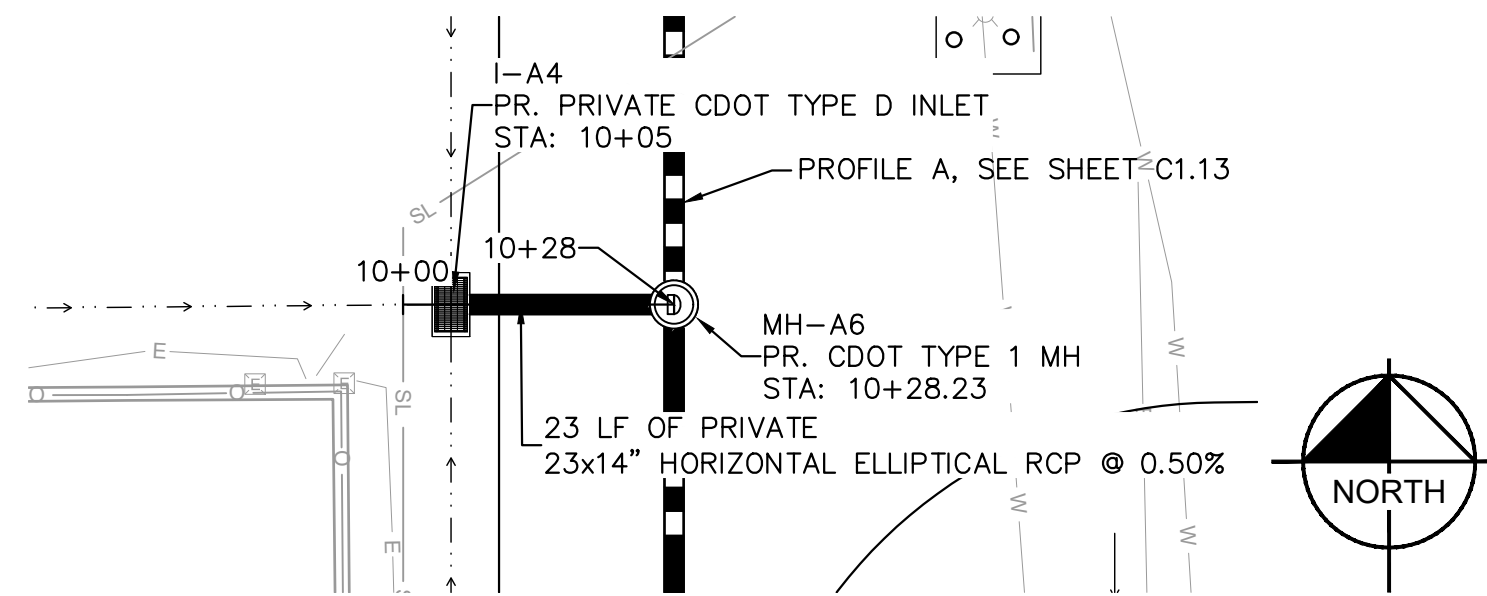
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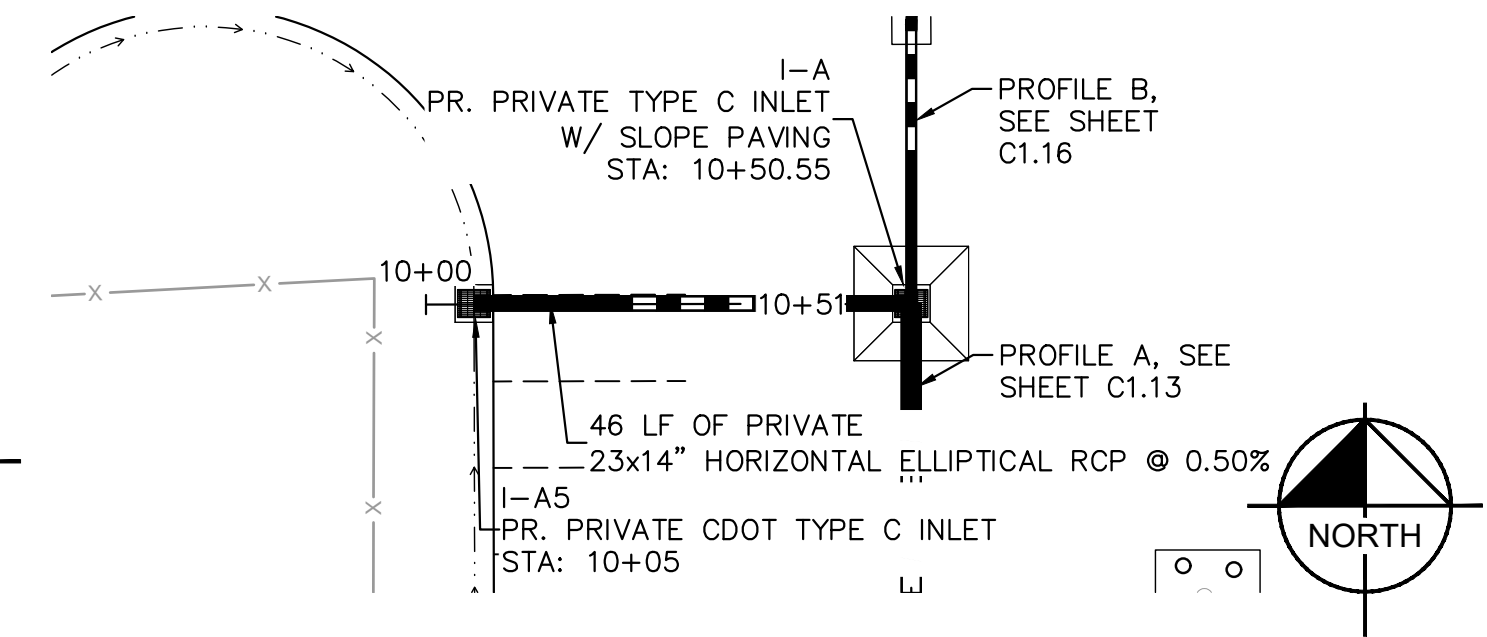
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STORM LINE A.3 - PLAN VIEW

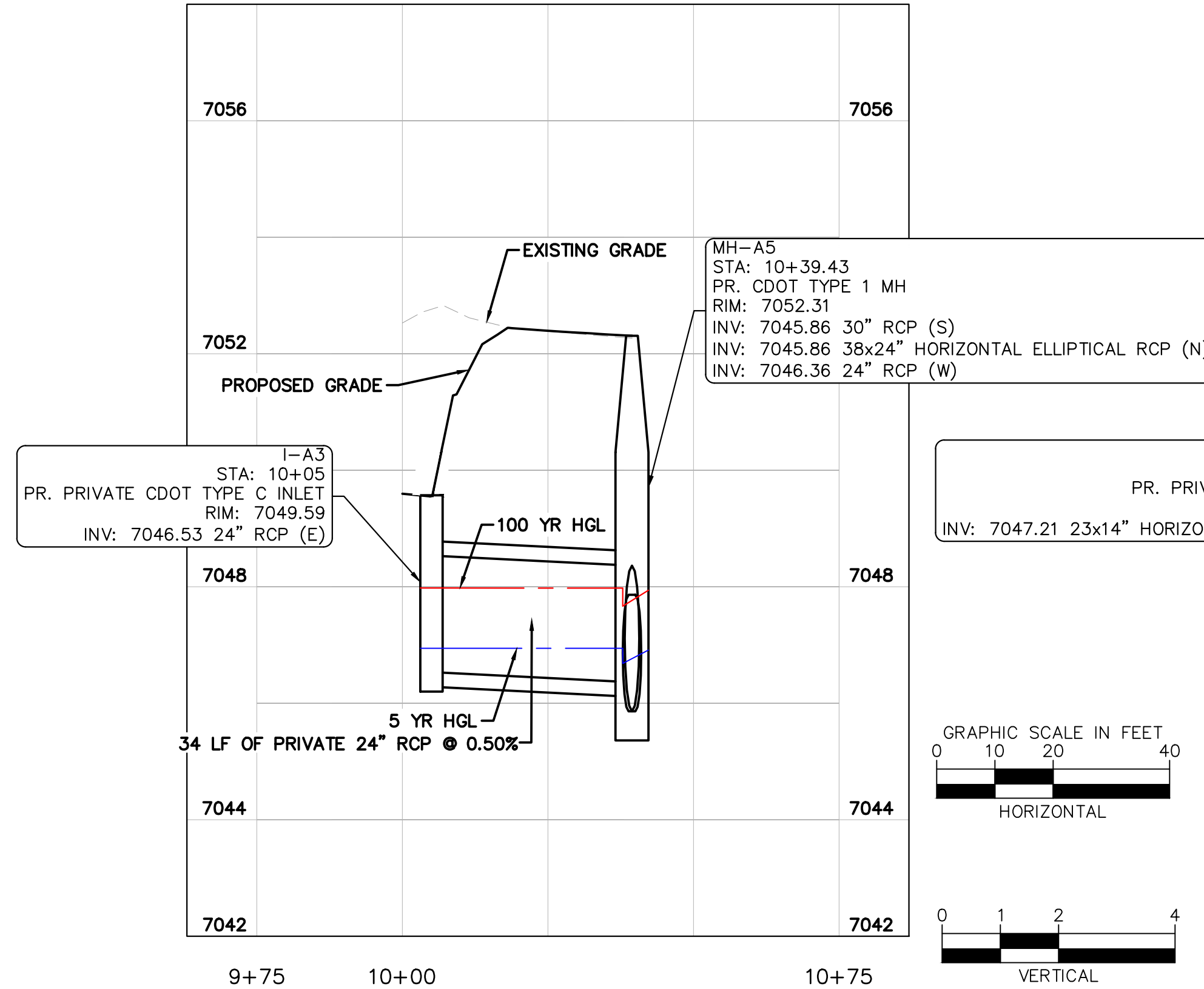


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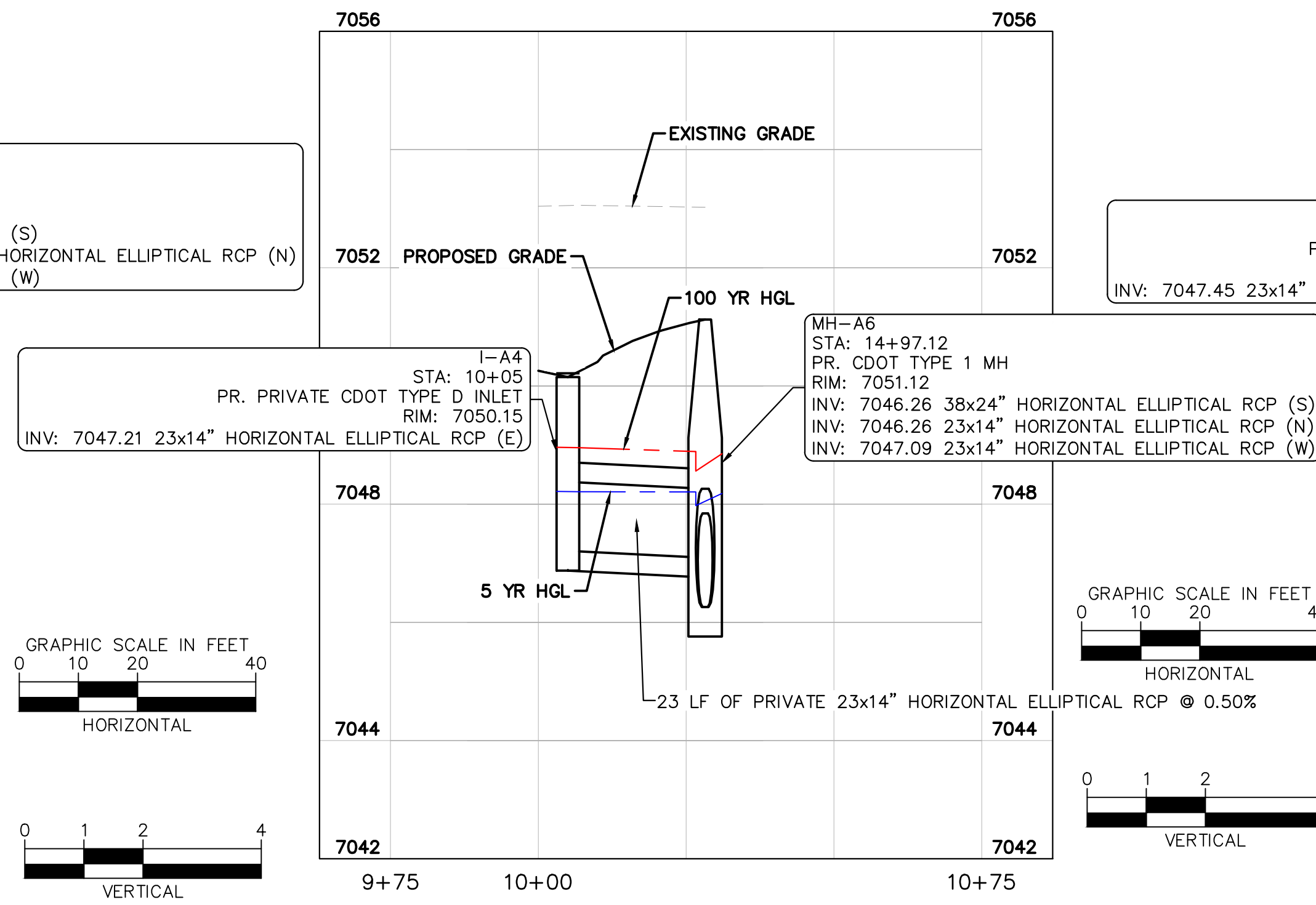


STORM LINE A.5 - PLAN VIEW

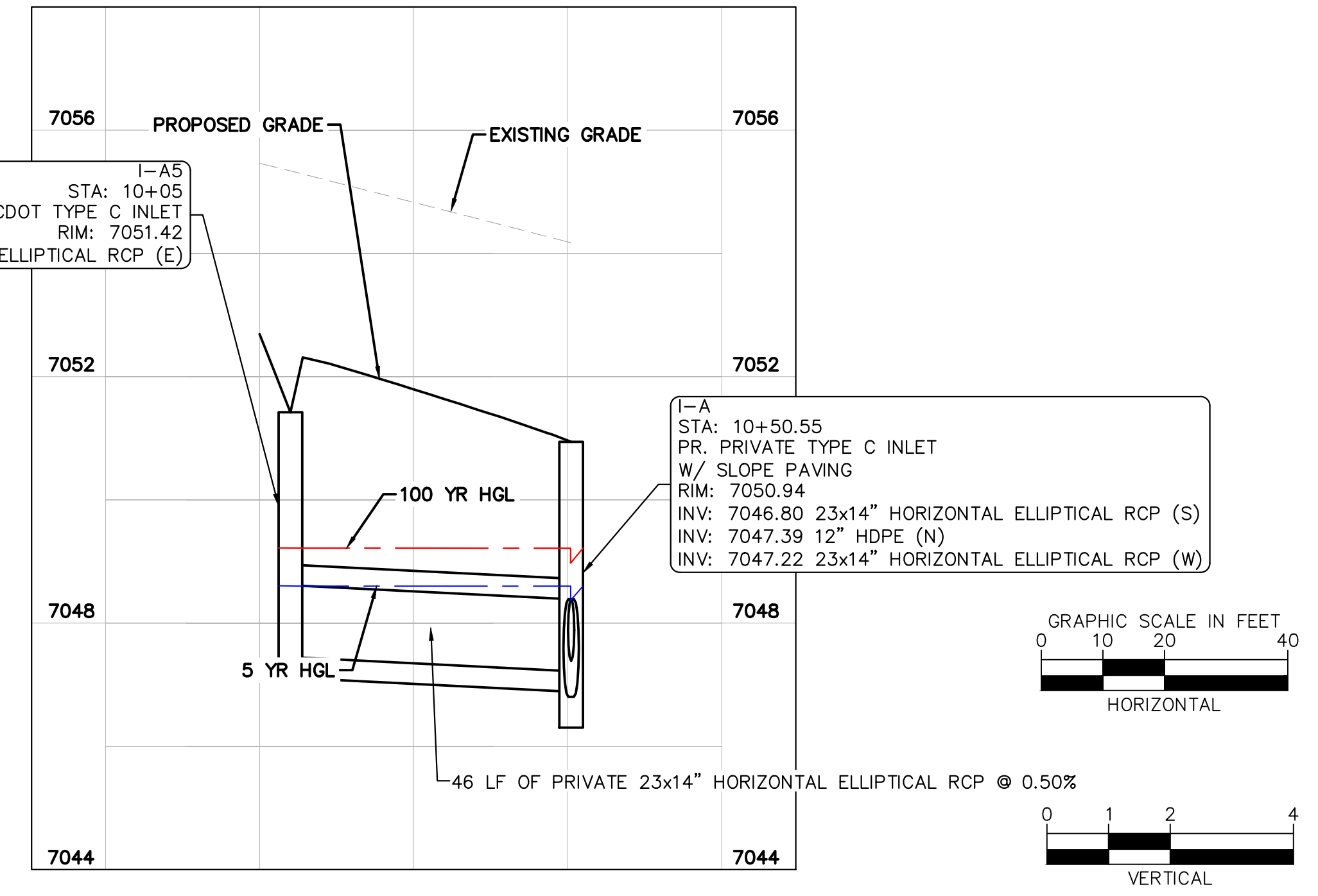
- LEGEND**
- PROPERTY LINE
 - EASEMENT LINE
 - SETBACK LINE
 - PROPOSED SANITARY LINE
 - PROPOSED STORM LINE
 - PROPOSED WATER LINE
 - PROPOSED FIRE LINE
 - EXISTING GAS LINE
 - EXISTING WATER LINE
 - EXISTING ELECTRIC LINE
 - EXISTING STORM LINE
 - 5-YR DESIGN STORM HGL
 - 100-YR DESIGN STORM HGL
- NOTES**
- ALL PROPOSED STORM INFRASTRUCTURE IS TO BE CONSIDERED PRIVATE UNLESS OTHERWISE NOTED.
 - PIPE BEDDING MATERIAL PER WHMD STANDARD SPECIFICATION 3.3



STORM LINE A.3 - PROFILE VIEW



STORM LINE A.4 - PROFILE VIEW



STORM LINE A.5 - PROFILE VIEW



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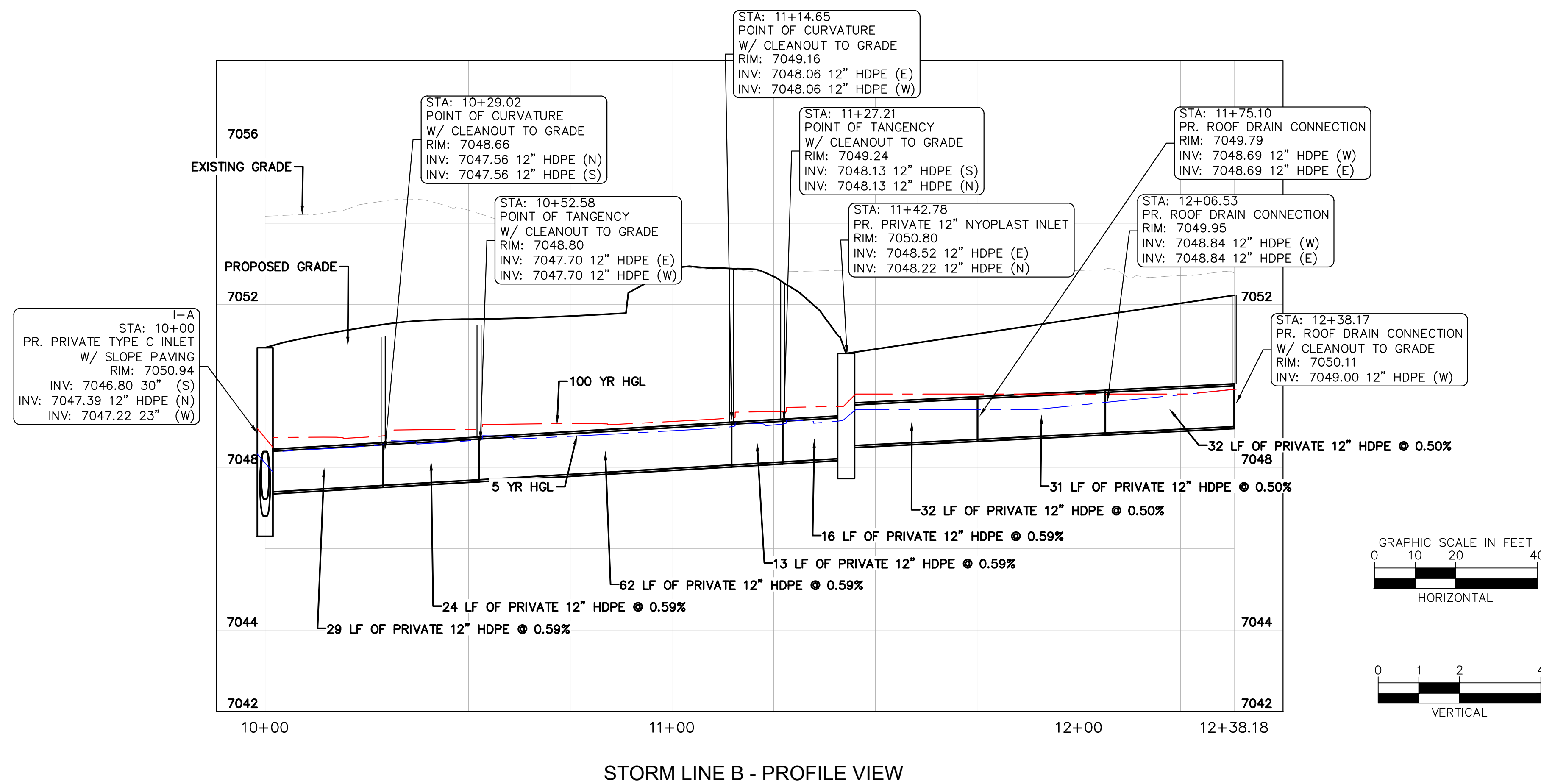
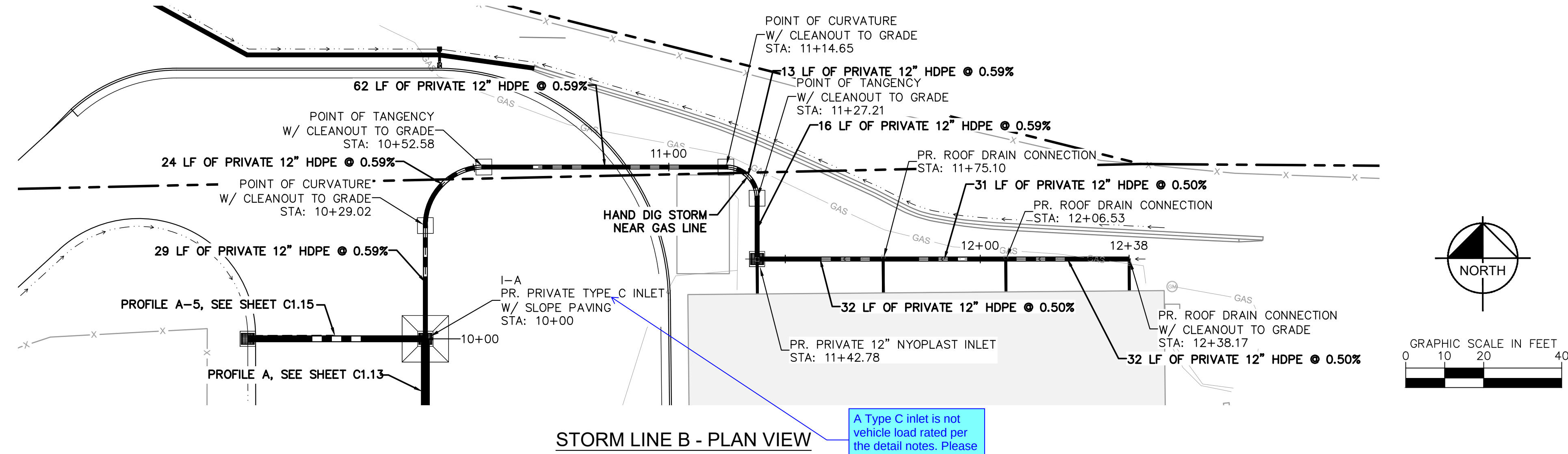
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SCALE	AS SHOWN
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IMPROVEMENTS
PREPARED FOR
WOODMEN HILLS
METROPOLITAN DISTRICT
EL PASO COUNTY

STORM PLAN AND PROFILE

SHEET NUMBER
C1.15

PCD FILE NO.: CDR268



LEGEND

	PROPERTY LINE
	EASEMENT LINE
	SETBACK LINE
	PROPOSED SANITARY LINE
	PROPOSED STORM LINE
	PROPOSED WATER LINE
	PROPOSED FIRE LINE
	EXISTING GAS LINE
	EXISTING WATER LINE
	EXISTING ELECTRIC LINE
	EXISTING STORM LINE
	5-YR DESIGN STORM HGL
	100-YR DESIGN STORM HGL

NOTES

1. ALL PROPOSED STORM INFRASTRUCTURE IS TO BE CONSIDERED PRIVATE UNLESS OTHERWISE NOTED.
2. PIPE BEDDING MATERIAL PER WHMD STANDARD SPECIFICATION 3.3

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CHECKED BY	KRK	

EL PASO COUNTY
METROPOLITAN DISTRICT
WOODMEN HILLS
PREPARED FOR
IMPROVEMENTS
TOWN OF STORMWATER

STORM PLAN & PROFILE

SHEET NUMBER
C1.16

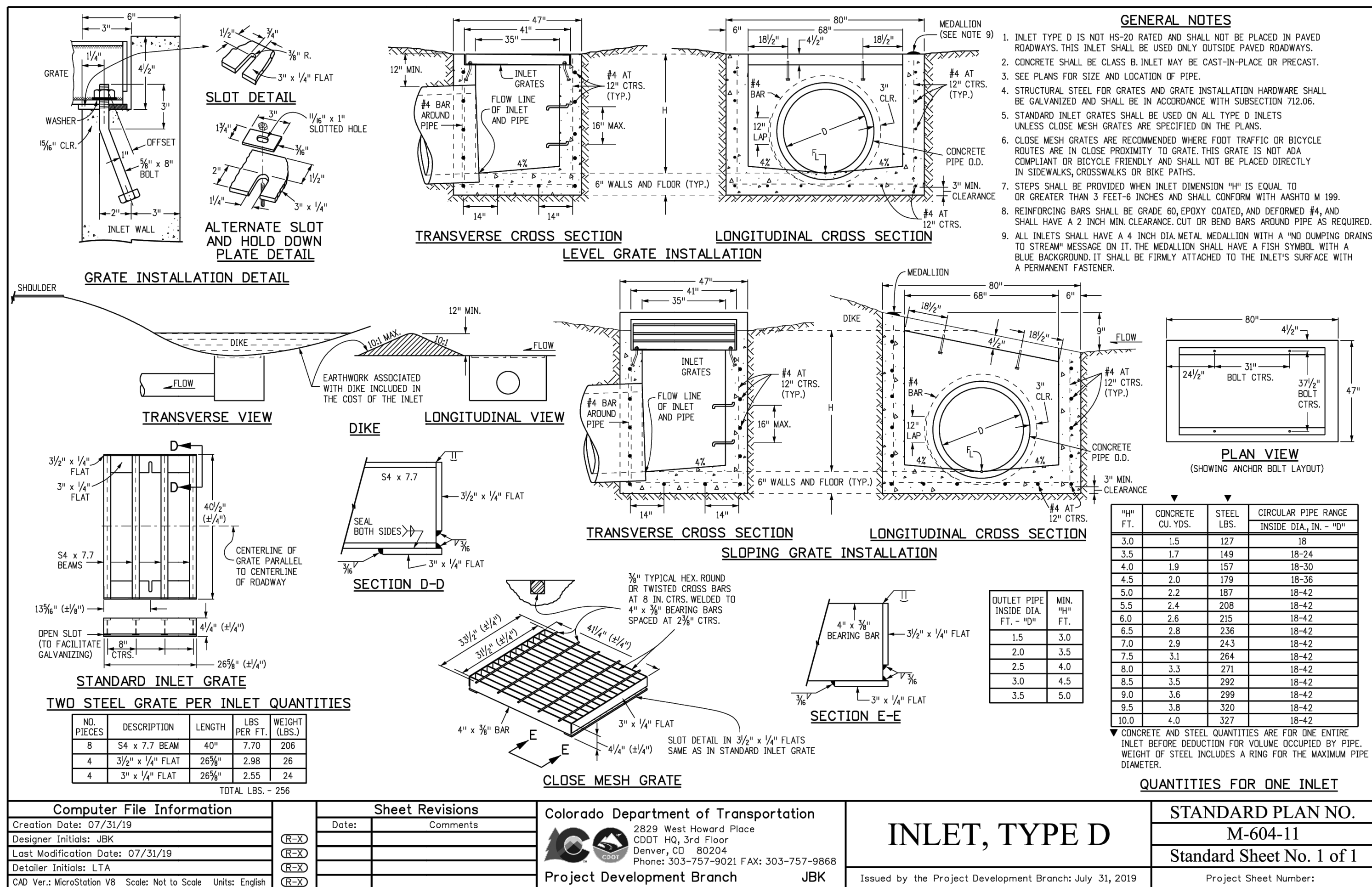
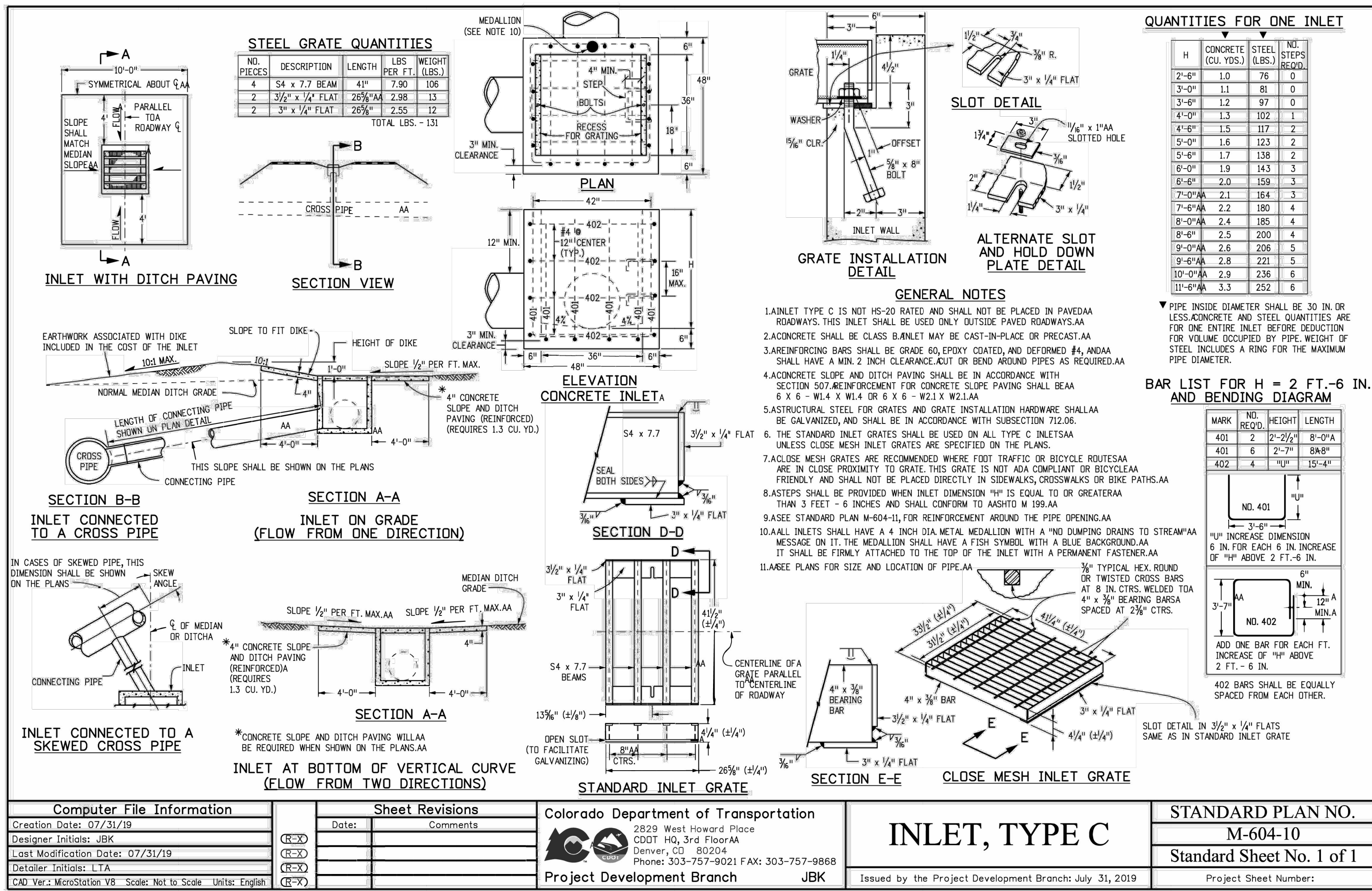


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No.

Revisions

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DATE

2026-08-10

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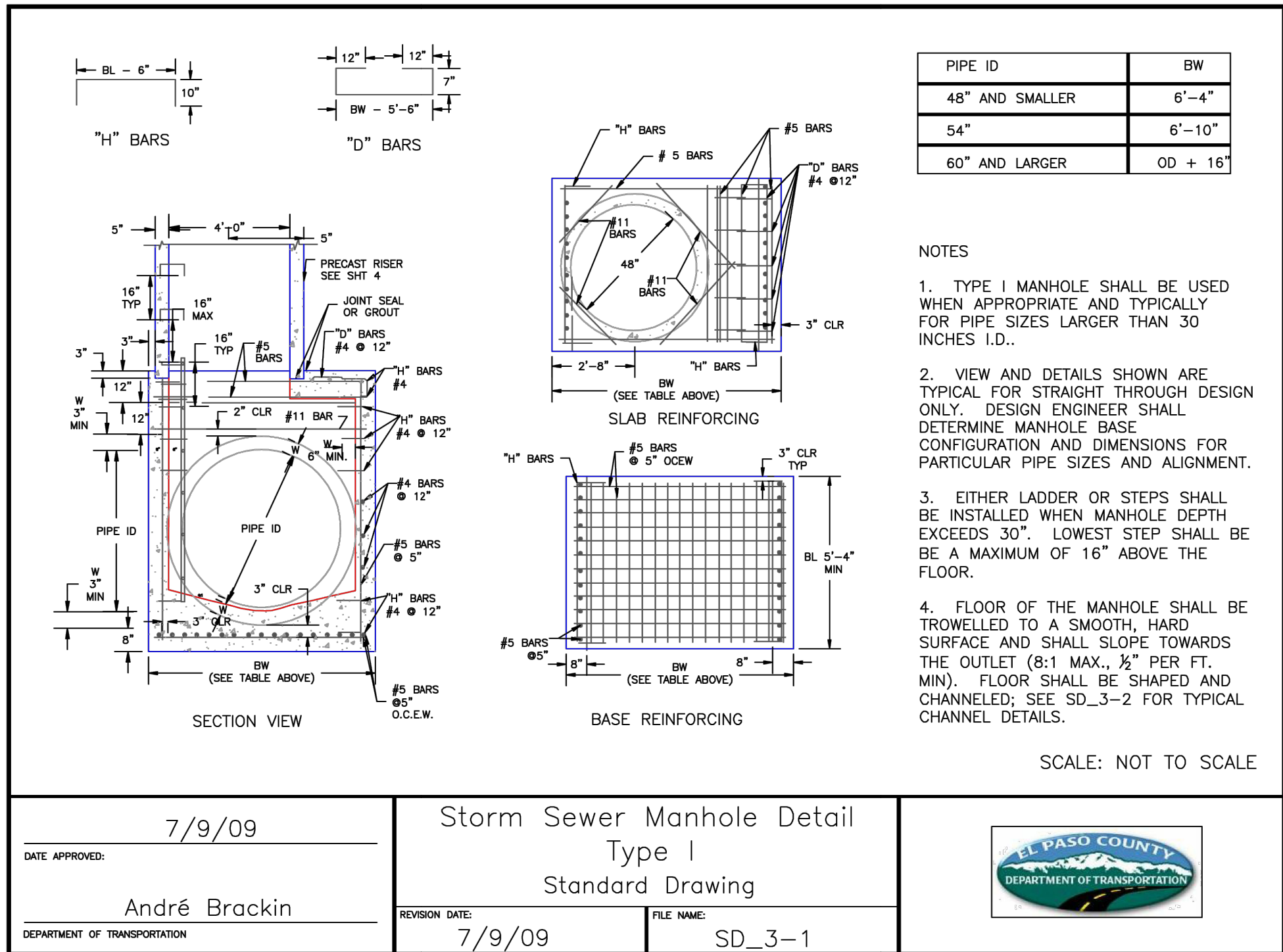
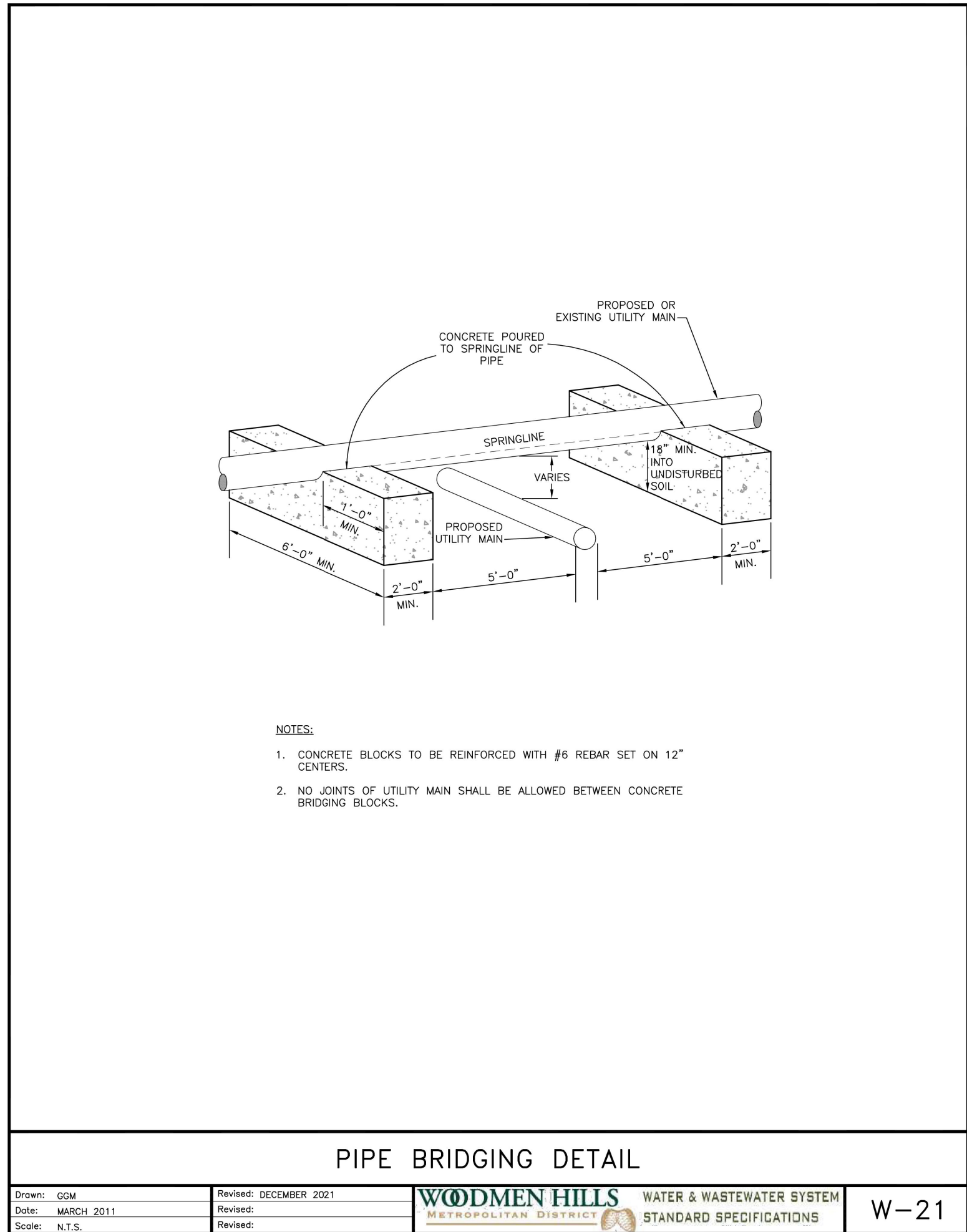
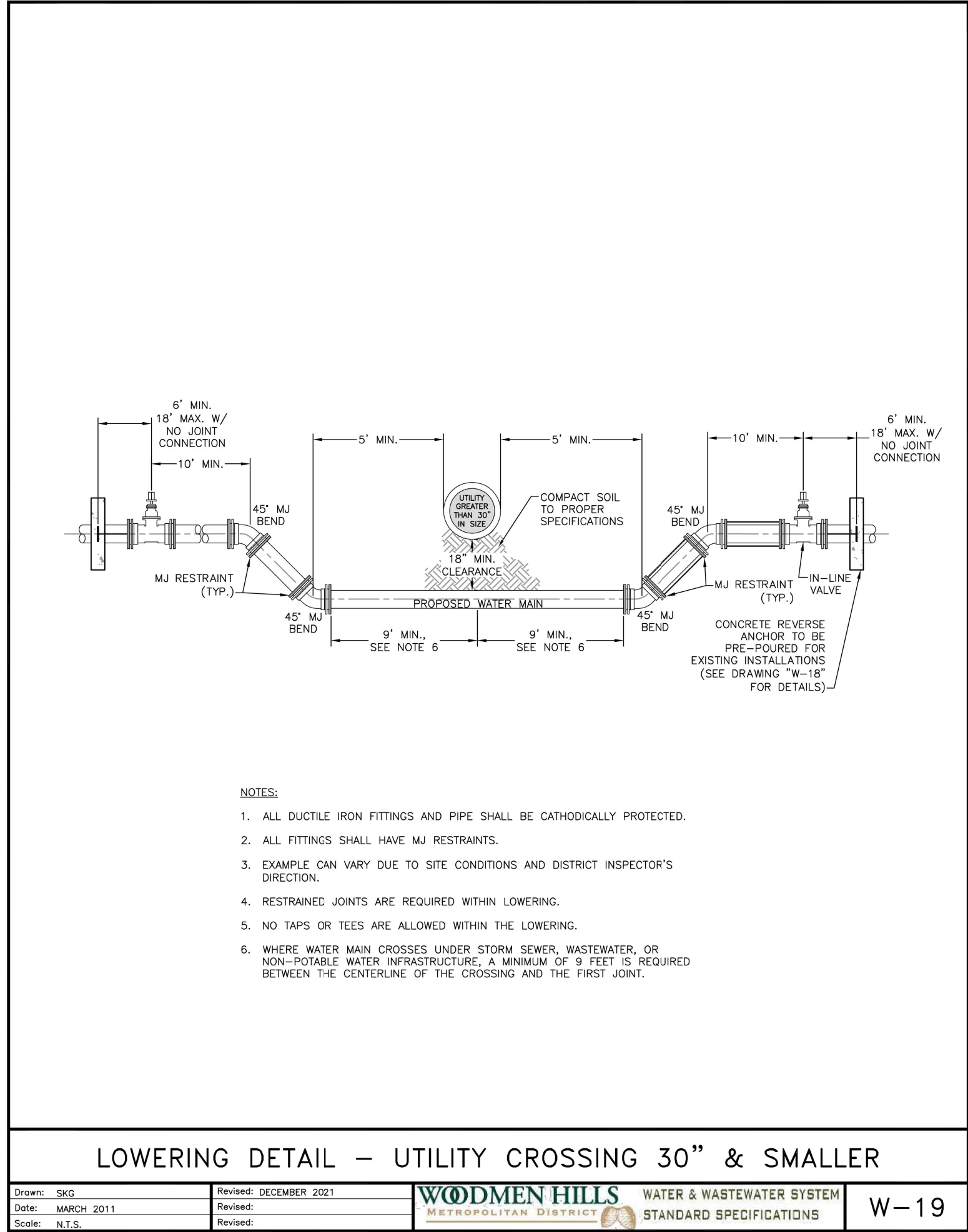
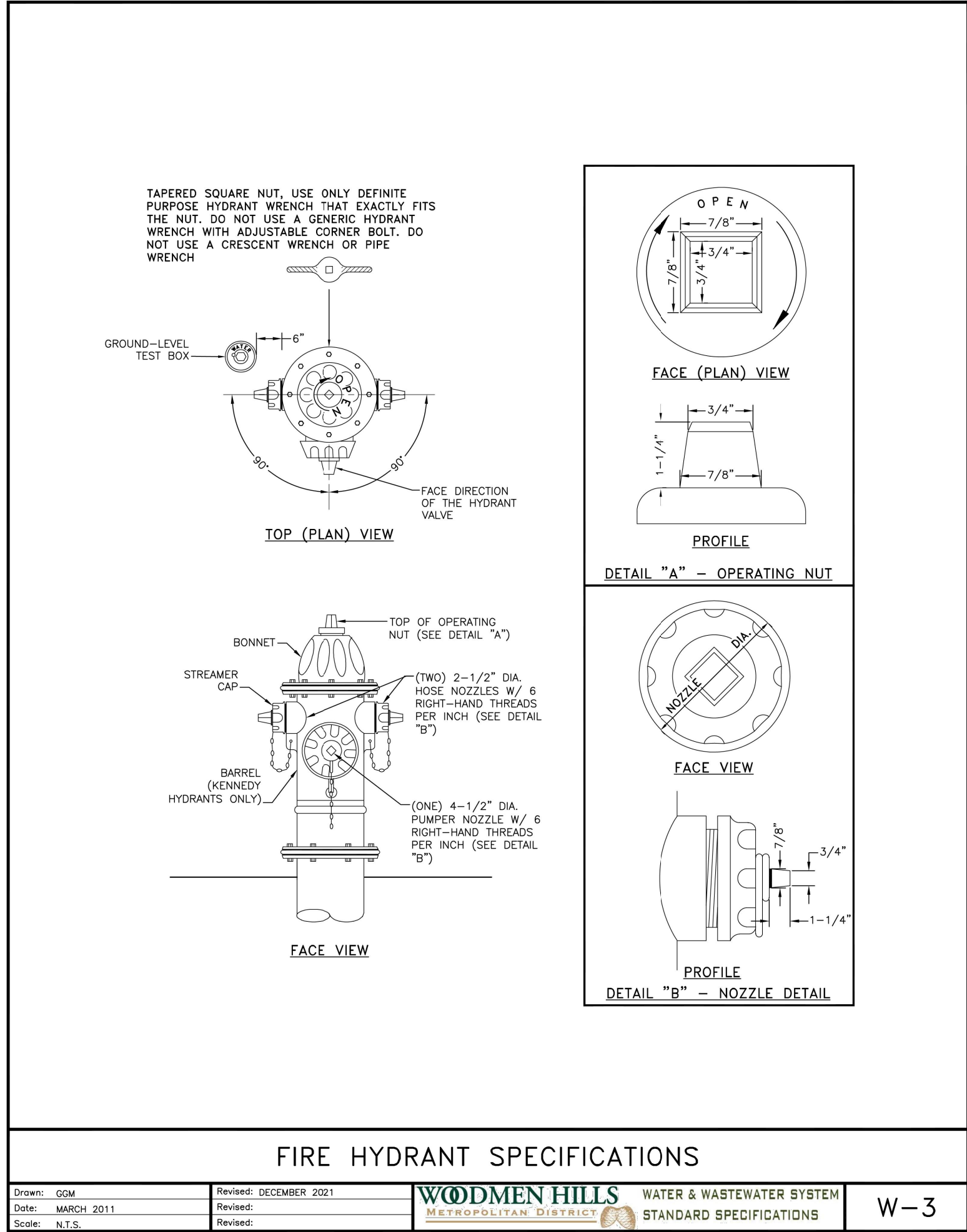
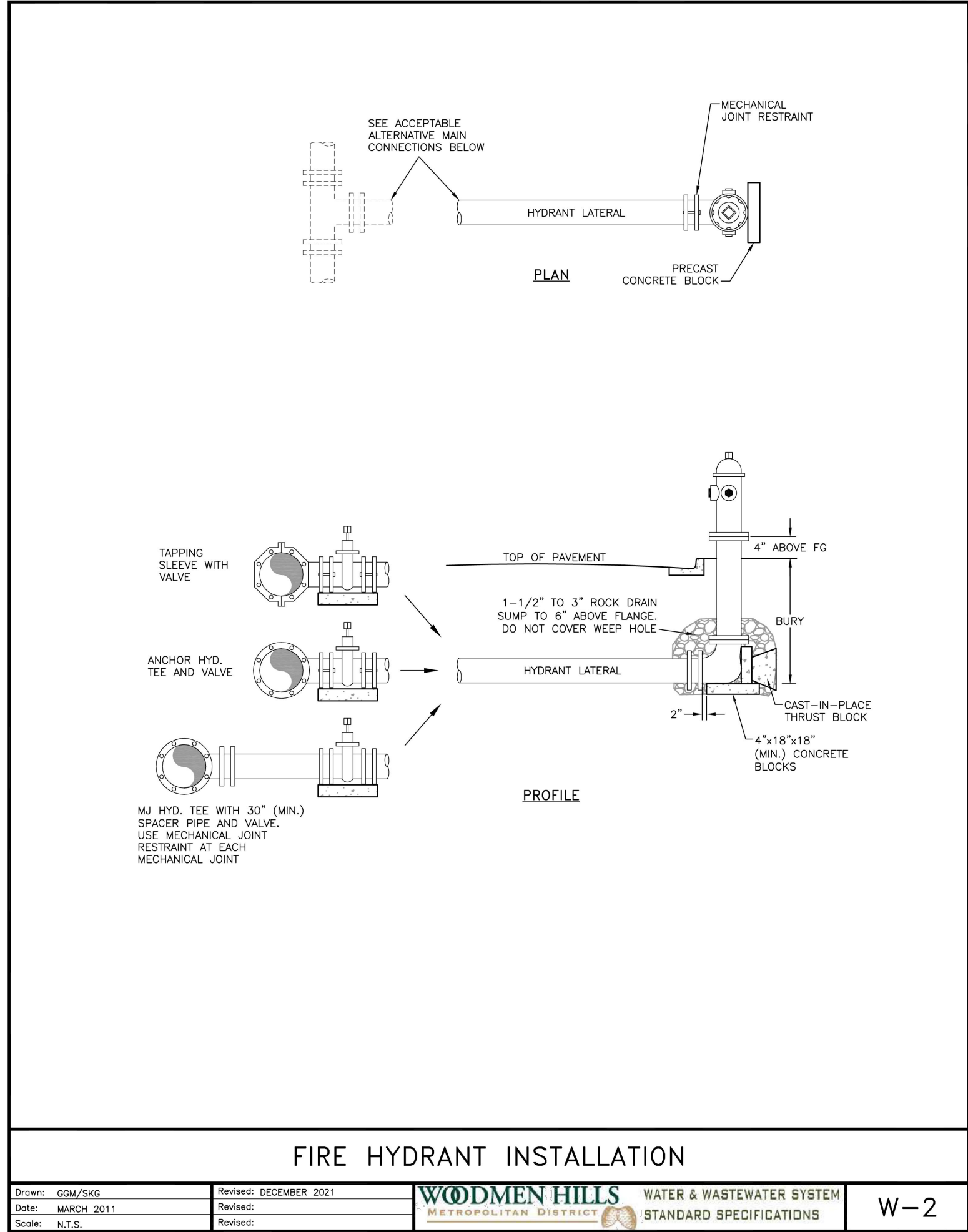
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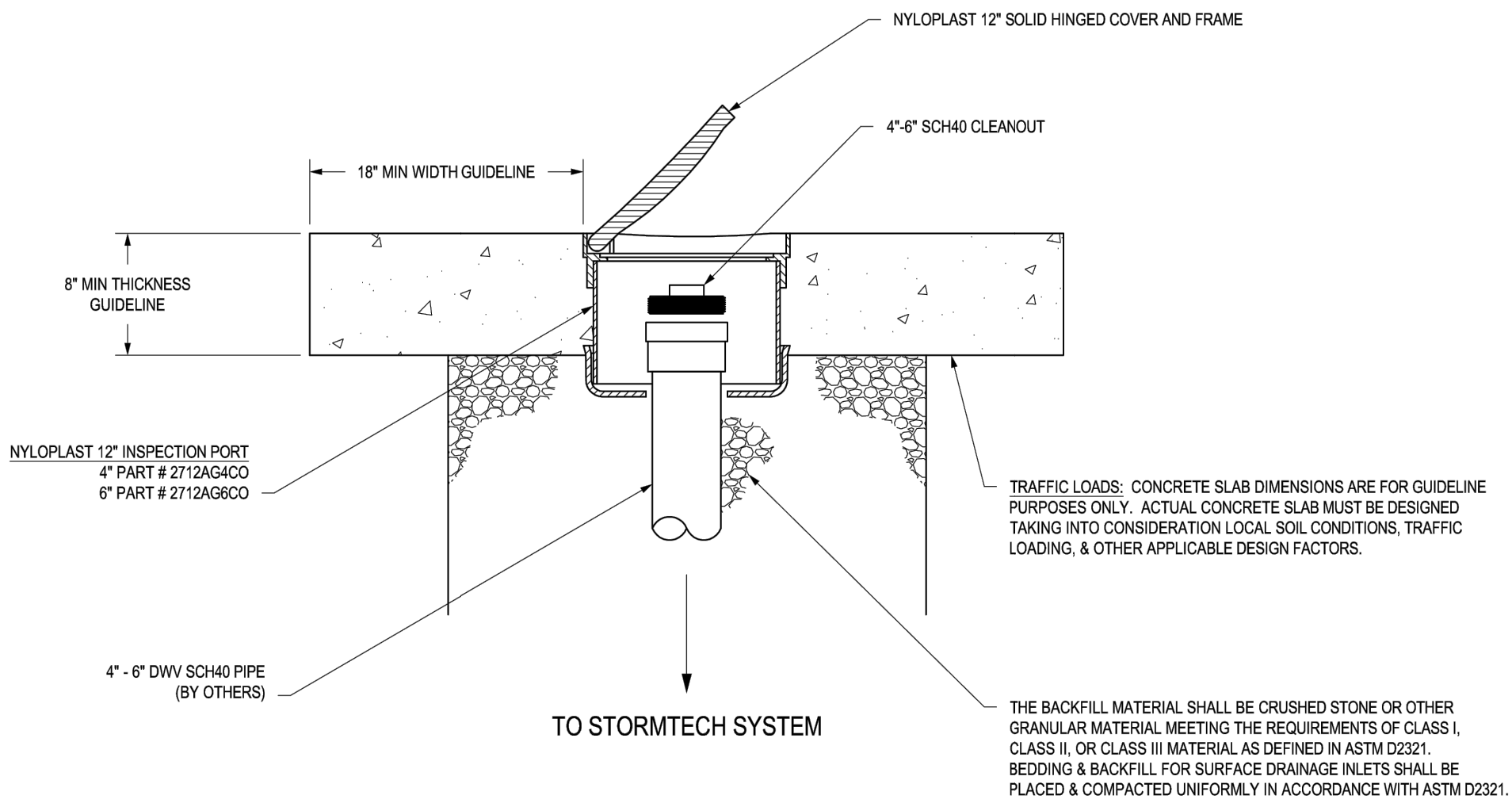
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METROPOLITAN DISTRICT
EL PASO COUNTY

DETAIL SHEET

SHEET NUMBER
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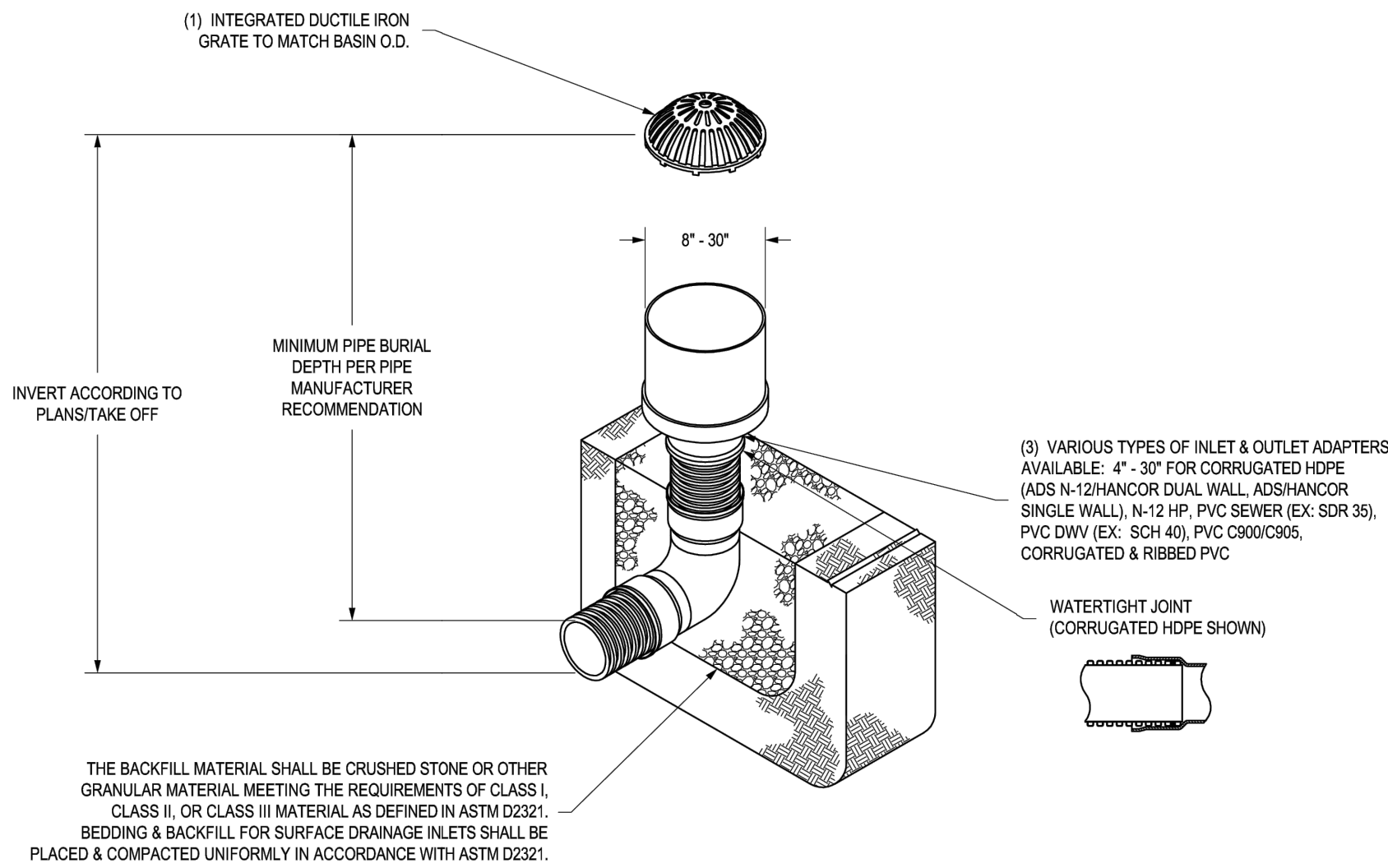
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NYLOPLAST 12" INSPECTION PORT: TRAFFIC RATED INSTALLATION



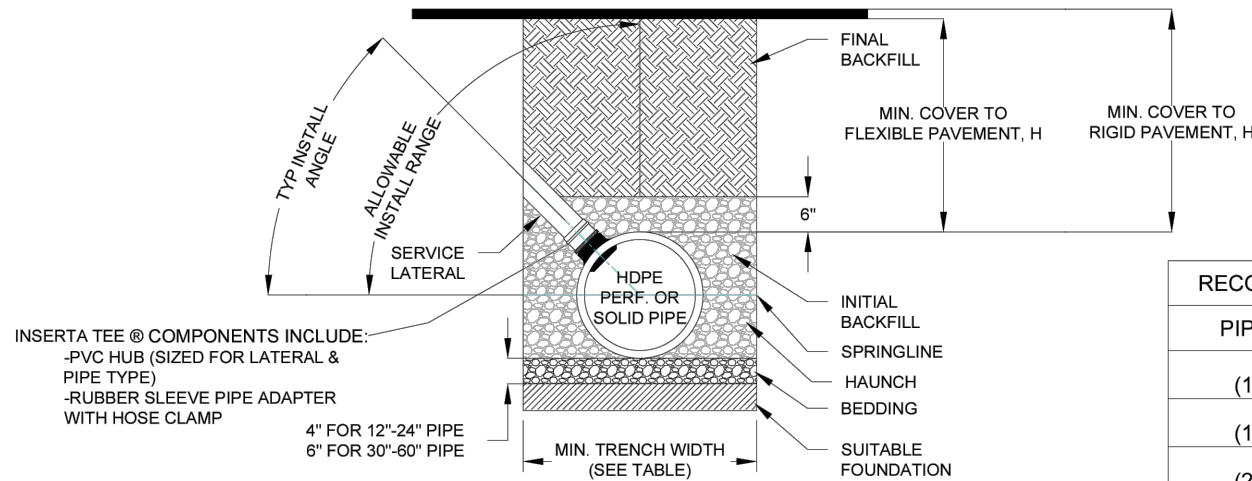
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		REVISED BY DATE 03-15-16	NMH	PROJECT NO./NAME		
DWG SIZE	A	SCALE	1:10	SHEET	1 OF 1	DWG NO. 7003-119-065 REV C

NYLOPLAST INLINE DRAIN WITH DOME GRATE



1 - 8" - 30" DOME GRATES SHALL BE DUCTILE IRON PER ASTM A536 GRADE 70-50-05. 2 - DRAINAGE CONNECTION SUB JOINT TIGHTNESS SHALL CONFORM TO ASTM D2122 FOR CORRUGATED HDPE (ADS N-12HANCOR DUAL WALL, N-12 HP, & PVC SEWER (EX. SDR 35)). 3 - 8" - 30" DOME GRATES HAVE NO LOAD RATING.		DRAWN BY DATE 03-25-10	EBG	MATERIAL	 3130 VERONA AVE BURLINGHAM, CT 06818 PH: (770) 932-2443 FAX: (770) 932-2490 www.nyloplast-us.com	TITLE INLINE DRAIN WITH DOME GRATE QUICK SPEC INSTALLATION DETAIL
		REVISED BY DATE 03-15-16	NMH	PROJECT NO./NAME		
DWG SIZE	A	SCALE	1:10	SHEET	1 OF 1	DWG NO. 7003-119-057 REV D

INSERTA TEE® DETAIL (HDPE)



RECOMMENDED MINIMUM TRENCH WIDTHS	
PIPE DIAM.	MIN. TRENCH WIDTH
4" (100mm)	21" (533mm)
6" (150mm)	23" (584mm)
8" (200mm)	26" (660mm)
10" (250mm)	29" (711mm)
12" (300mm)	30" (762mm)
15" (375mm)	34" (864mm)
18" (450mm)	39" (991mm)
24" (600mm)	48" (1219mm)
30" (750mm)	56" (1422mm)
36" (900mm)	64" (1626mm)
42" (1050mm)	72" (1829mm)
48" (1200mm)	80" (2032mm)
54" (1350mm)	88" (2235mm)
60" (1500mm)	96" (2438mm)

NOTES:

- ALL PIPE SYSTEMS SHALL BE INSTALLED IN ACCORDANCE WITH ASTM D2321, "STANDARD PRACTICE FOR UNDERGROUND INSTALLATION OF THERMOPLASTIC PIPE FOR SEWERS AND OTHER GRAVITY FLOW APPLICATIONS", LATEST EDITION.
- MEASURES SHOULD BE TAKEN TO PREVENT MIGRATION OF NATIVE FINES INTO BACKFILL MATERIAL, WHEN REQUIRED.
- THE INSERTA TEE CONNECTION CAN BE INSTALLED UP TO A VERTICAL ORIENTATION, BUT A 45° INSTALL ANGLE IS MOST COMMON. GREATER ANGLES ARE SUBJECT TO DESIGN ENGINEER APPROVAL AND MAY REQUIRE PREMIUM BACKFILL.
- FOUNDATION: WHERE THE TRENCH BOTTOM IS UNSTABLE, THE CONTRACTOR SHALL EXCAVATE TO A DEPTH REQUIRED BY THE ENGINEER AND REPLACE WITH SUITABLE MATERIAL AS SPECIFIED BY THE ENGINEER. AS AN ALTERNATIVE AND AT THE DISCRETION OF THE DESIGN ENGINEER, THE TRENCH BOTTOM MAY BE STABILIZED USING A GEOTEXTILE MATERIAL.
- BEDDING: SUITABLE MATERIAL SHALL BE CLASS I, II OR III. THE CONTRACTOR SHALL PROVIDE DOCUMENTATION FOR MATERIAL SPECIFICATION TO ENGINEER, UNLESS OTHERWISE NOTED BY THE ENGINEER. MINIMUM BEDDING THICKNESS SHALL BE 4" (100mm) FOR 4"-24" (100mm-600mm), 6" (150mm) FOR 30"-48" (750mm-1200mm).
- INITIAL BACKFILL: SUITABLE MATERIAL SHALL BE CLASS I, II OR III IN THE PIPE ZONE EXTENDING NOT LESS THAN 6" ABOVE CROWN OF PIPE. THE CONTRACTOR SHALL PROVIDE DOCUMENTATION FOR MATERIAL SPECIFICATION TO ENGINEER. MATERIAL SHALL BE INSTALLED AS REQUIRED IN ASTM D2321, LATEST EDITION.
- MINIMUM COVER: MINIMUM COVER, H, IN NON-TRAFFIC APPLICATIONS (GRASS OR LANDSCAPE AREAS) IS 12" FROM THE TOP OF PIPE TO GROUND SURFACE. ADDITIONAL COVER MAY BE REQUIRED TO PREVENT FLOATION. FOR TRAFFIC APPLICATIONS MINIMUM COVER, H, IS 12" UP TO 48" DIAMETER PIPE AND 24" OF COVER FOR 54"-60" DIAMETER PIPE, MEASURED FROM TOP OF PIPE TO BOTTOM OF FLEXIBLE PAVEMENT OR TO TOP OF RIGID PAVEMENT.

NOTE: FOR INSTALLATION INSTRUCTIONS, REFER TO DETAIL STD-1100. FOR PROTRUSION INFORMATION, REFER TO DETAIL STD-1101. FOR HOLE SAW INFORMATION, REFER TO DETAIL STD-1102.

ADVANCED DRAINAGE SYSTEMS, INC. (ADS) HAS PREPARED THIS DETAIL BASED ON INFORMATION PROVIDED TO ADS. THIS DRAWING IS INTENDED TO REPORT THE COMPONENTS AS REQUESTED. ADS HAS NOT PERFORMED ANY ENGINEERING OR DESIGN SERVICES FOR THIS PROJECT. NOR HAS ADS INDEPENDENTLY VERIFIED THE INFORMATION SUPPLIED. THE INSTALLATION DETAILS PROVIDED HEREIN ARE GENERAL RECOMMENDATIONS AND ARE NOT SPECIFIC FOR THIS PROJECT. THE DESIGN ENGINEER SHALL REVIEW THESE DETAILS PRIOR TO CONSTRUCTION. IT IS THE DESIGN ENGINEER'S RESPONSIBILITY TO ENSURE THE DETAILS PROVIDED HEREIN MEET OR EXCEEDS THE APPLICABLE NATIONAL, STATE, OR LOCAL REQUIREMENTS AND TO ENSURE THAT THE DETAILS PROVIDED HEREIN ARE ACCEPTABLE FOR THIS PROJECT.		 4640 TRUEMAN BLVD HILLIARD, OH 43026	07/19/23
INSERTA TEE DETAIL (HDPE)			ENG
DRAWING NUMBER	STD-1011		NTS

GENERAL NOTES:

- DETAILS ON THIS SHEET TO BE BY ADS OR OF EQUIVALENT STORM SOLUTION MANUFACTURER.

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KHA PROJECT 196013004	DATE 2026-08-10	SCALE AS SHOWN	DESIGNED BY MEG	DRAWN BY MEG	CHECKED BY KRK
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RWRF STORMWATER
IMPROVEMENTS
PREPARED FOR
WOODMEN HILLS
METROPOLITAN DISTRICT
COLORADO
EL PASO COUNTY

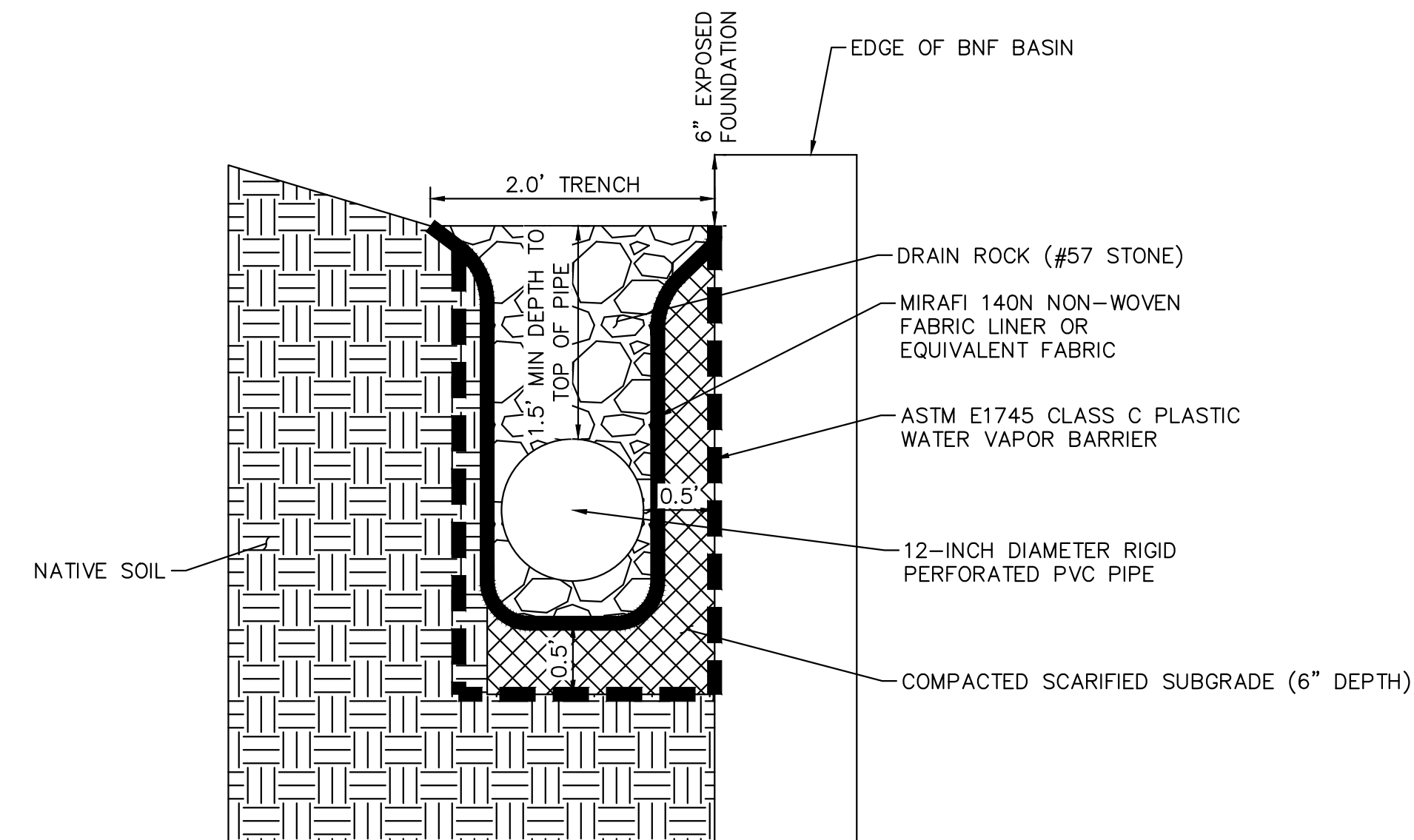
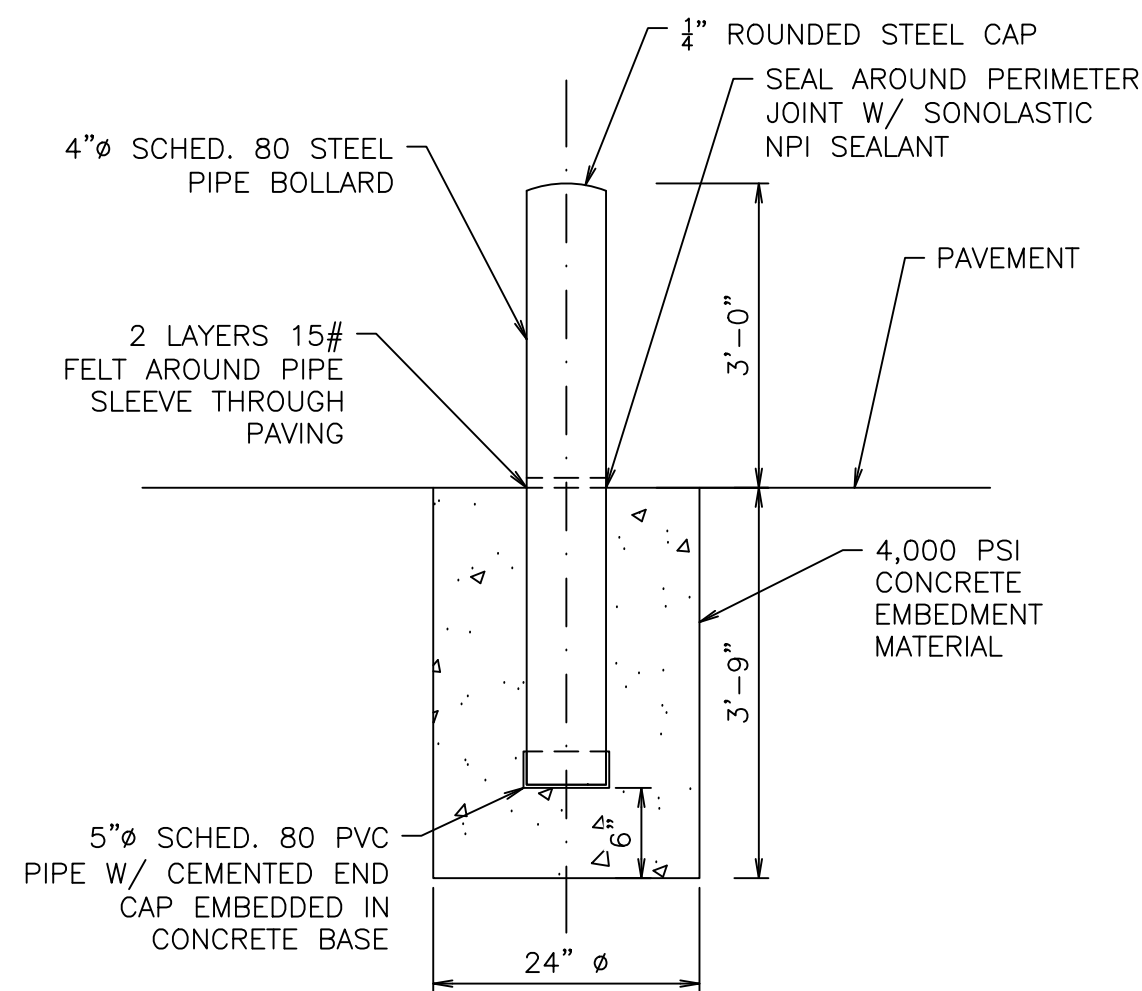
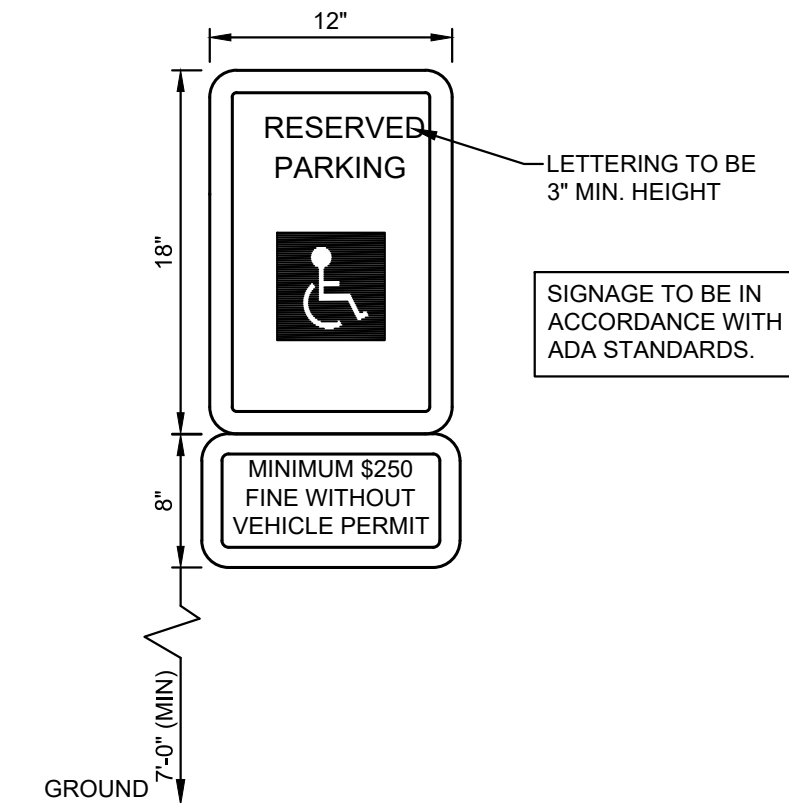
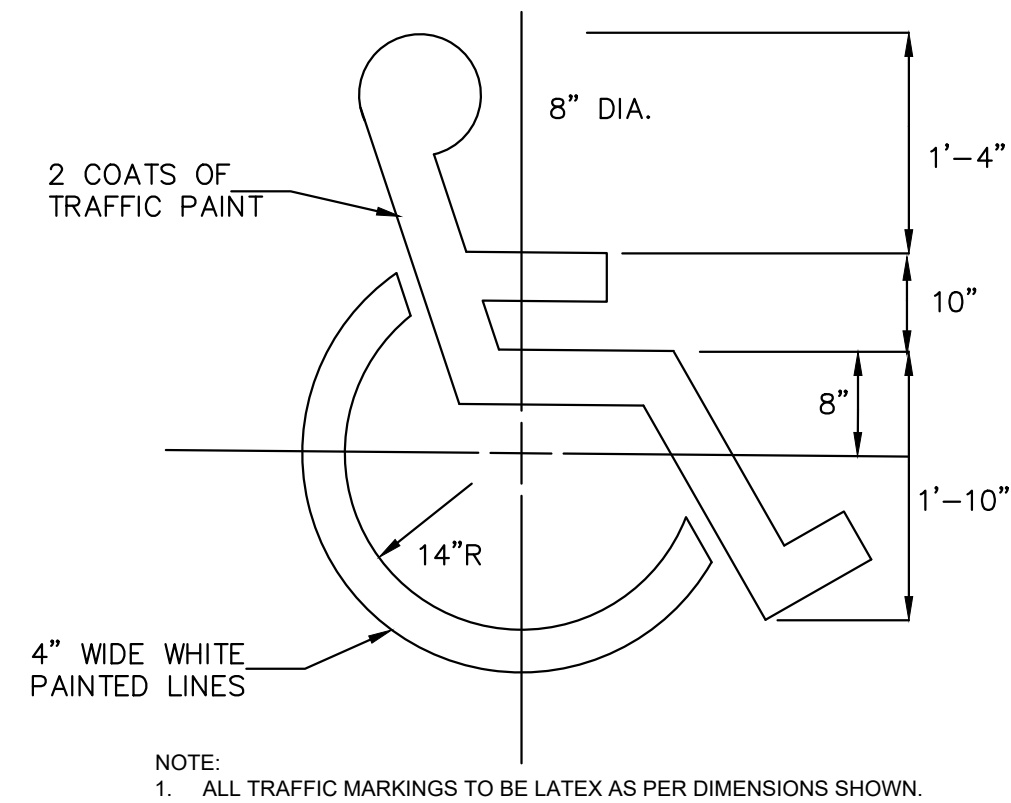
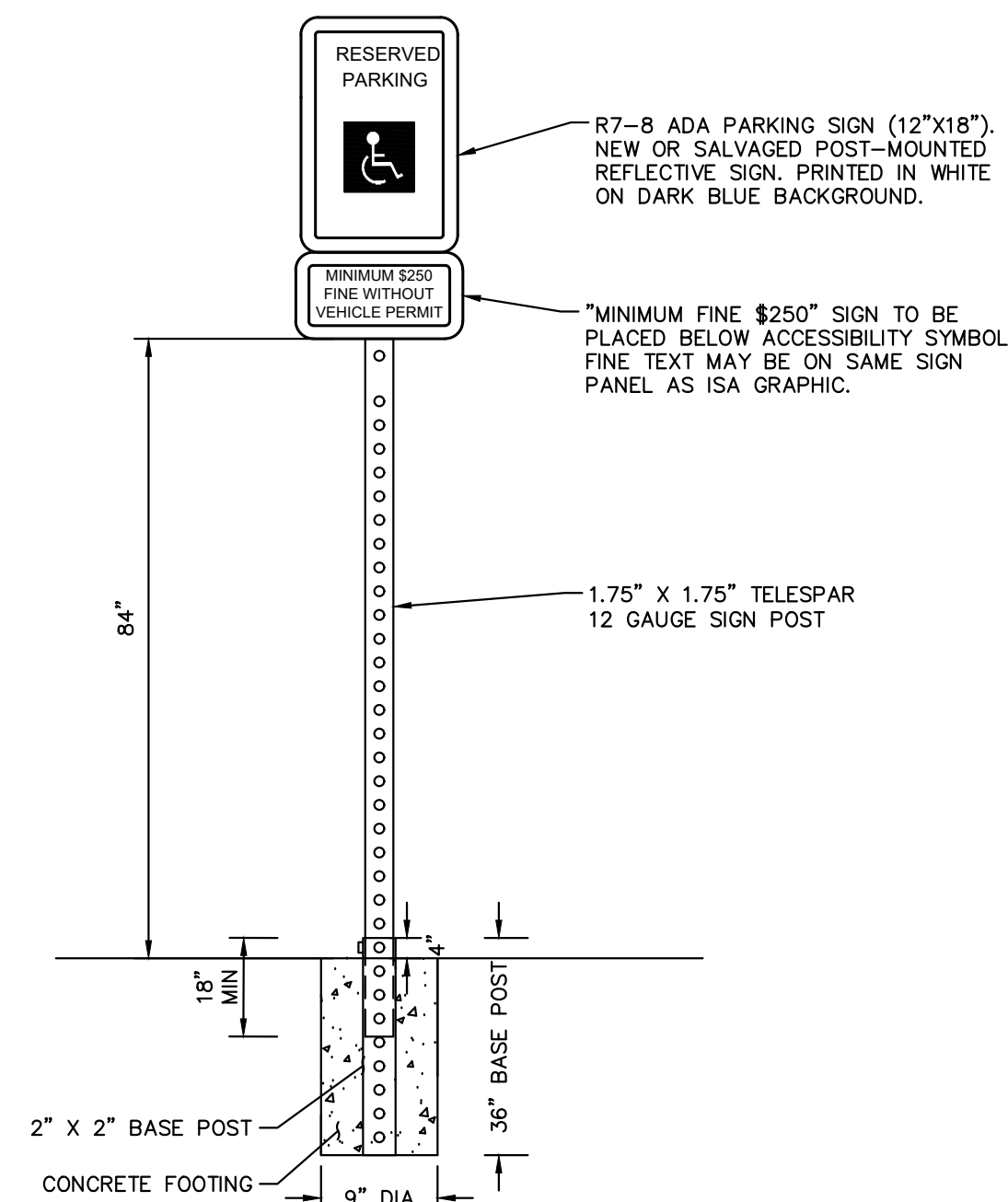
DETAIL SHEET

SHEET NUMBER
C1.21



Know what's below.
Call before you dig.

90% CONSTRUCTION DOCUMENTS



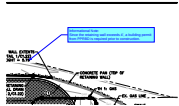
V2_Construction Drawings (Plans-Profiles).pdf Markup Summary

Joseph Sandstrom (6)



Subject: Cloud+
Page Label: [1] C1.1 COVER SHEET
Author: Joseph Sandstrom
Date: 8/27/2026 2:08:59 PM
Status:
Color: ■
Layer:
Space:

Any preliminary stickers must be removed prior to County approval.



Subject: Callout
Page Label: [5] C1.5 SITE PLAN
Author: Joseph Sandstrom
Date: 8/27/2026 7:35:00 AM
Status:
Color: ■
Layer:
Space:

Informational Note:
Since the retaining wall exceeds 4', a building permit from PPRBD is required prior to construction.



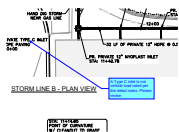
Subject: Callout
Page Label: [12] C1.12 STORM PLAN AND PROFILE
Author: Joseph Sandstrom
Date: 8/27/2026 1:23:05 PM
Status:
Color: ■
Layer:
Space:

Unresolved Review 1 Comment:
Provide detail for the cast in place manhole specific to what is proposed here and has dimensions.



Subject: Callout
Page Label: [12] C1.12 STORM PLAN AND PROFILE
Author: Joseph Sandstrom
Date: 8/27/2026 1:51:58 PM
Status:
Color: ■
Layer:
Space:

Unresolved Review 1 Comment:
Please submit a license agreement for the private pipe within the County ROW. License Agreement template:
<https://publicworks.elpasoco.com/departments-public-works/county-engineer/>



Subject: Callout
Page Label: [16] C1.16 STORM PLAN & PROFILE
Author: Joseph Sandstrom
Date: 8/27/2026 2:15:51 PM
Status:
Color: ■
Layer:
Space:

A Type C inlet is not vehicle load rated per the detail notes. Please revise.



Subject: Text Box
Page Label: [17] C1.17 DETAIL SHEET
Author: Joseph Sandstrom
Date: 8/27/2026 8:53:14 AM
Status:
Color: ■
Layer:
Space:

Unresolved Review 1 Comment:
Include county trench detail SD_4-20