



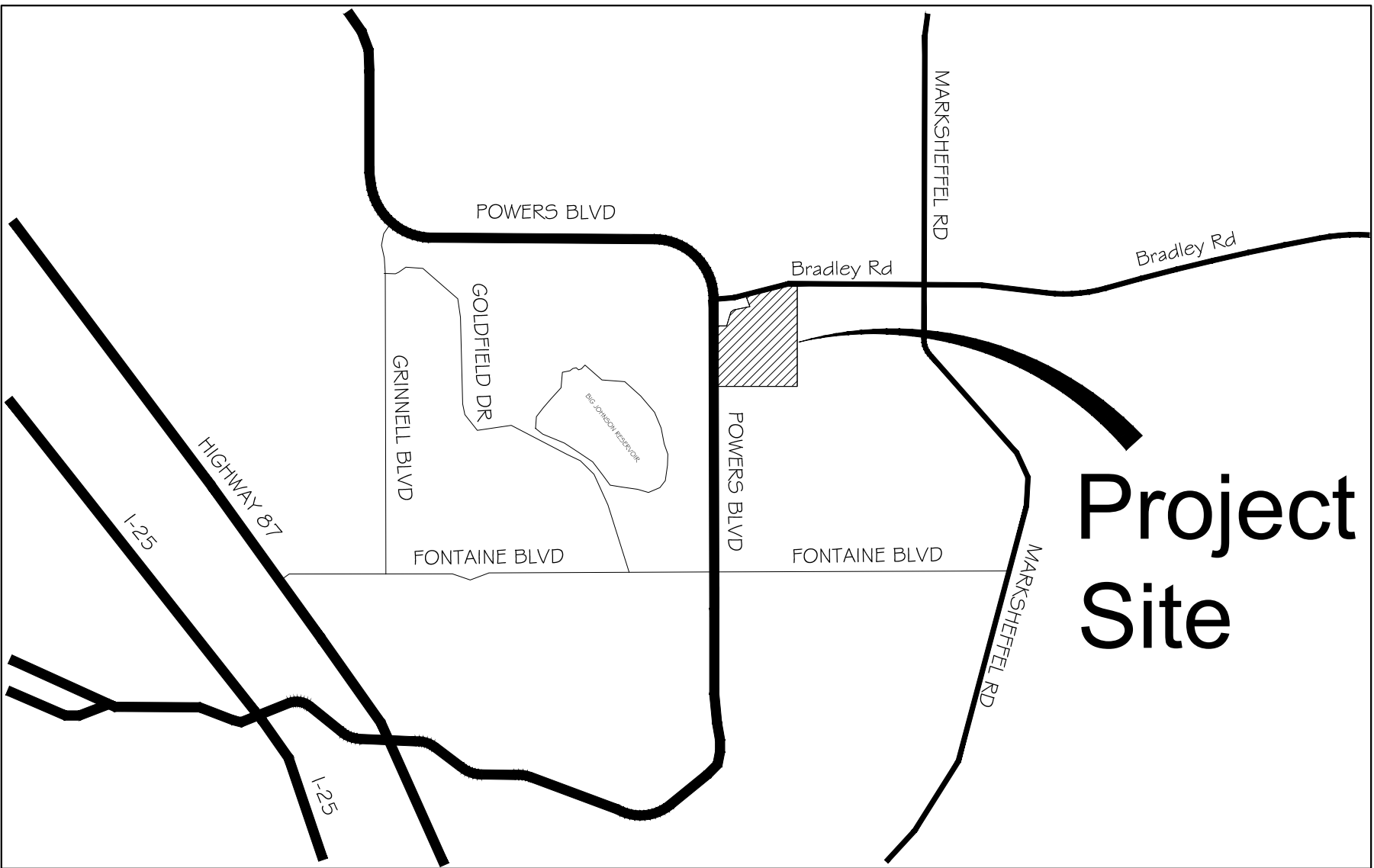
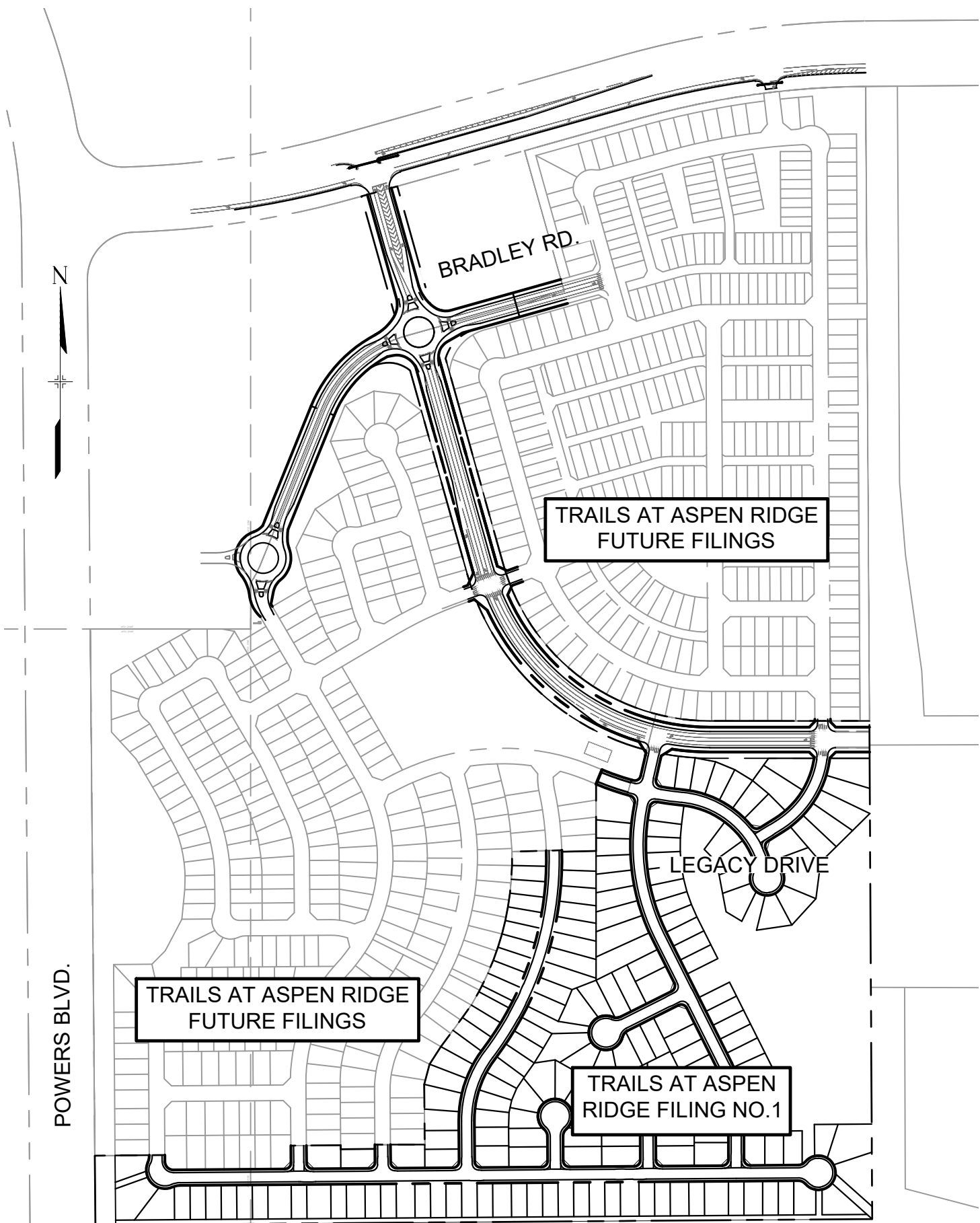
# TRAILS AT ASPEN RIDGE FILING NO.1

EL PASO COUNTY, CO

## ROADWAY & STORM IMPROVEMENT PLANS

JULY, 2019

SHEET NAME		SHEET No.
TS01	TITLE SHEET	1
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RM01-B	BRADLEY ROAD REMOVAL PLAN	4
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SN01-B	BRADLEY ROAD SIGNAGE & STRIPING PLAN	17
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VICINITY MAP  
N.T.S.

### STATEMENT:

EL PASO COUNTY RECOGNIZES THE DESIGN ENGINEER AS HAVING RESPONSIBILITY FOR THE DESIGN. THE CITY HAS LIMITED ITS SCOPE OF REVIEW ACCORDINGLY. RESUBMITTAL REQUIRED IF CONSTRUCTION HAS NOT COMMENCED WITHIN 180 DAYS AFTER REVIEW DATE.

### SIGNAGE AND STRIPING REVIEW:

TRAFFIC ENGINEERING DATE

### OWNER/DEVELOPER

NAME DATE  
COLA, LLC

### ENGINEER'S STATEMENT:

THESE DETAILED PLANS AND SPECIFICATIONS WERE PREPARED UNDER MY DIRECTION AND SUPERVISION. SAID DETAILED PLANS AND SPECIFICATIONS HAVE BEEN PREPARED ACCORDING TO THE CRITERION ESTABLISHED BY THE CITY FOR DETAILED DRAINAGE PLANS AND SPECIFICATIONS, AND SAID DETAILED PLANS AND SPECIFICATIONS ARE IN CONFORMITY WITH THE MASTER PLAN OF THE DRAINAGE BASIN. SAID DETAILED DRAINAGE PLANS AND SPECIFICATIONS MEET THE PURPOSE FOR WHICH THE PARTICULAR DRAINAGE FACILITY(S) IS DESIGNED. I ACCEPT RESPONSIBILITY FOR ANY LIABILITY CAUSED BY ANY NEGLIGENT ACTS, ERRORS OR OMISSIONS ON MY PART IN PREPARATION OF THE DETAILED DRAINAGE PLANS AND SPECIFICATIONS.

By: \_\_\_\_\_ Date: \_\_\_\_\_

NICOLE SCHANEL, PE #52434  
FOR AND ON BEHALF OF MATRIX DESIGN GROUP, INC.

### EL PASO COUNTY:

COUNTY PLAN REVIEW IS PROVIDED ONLY FOR GENERAL CONFORMANCE WITH COUNTY DESIGN CRITERIA. THE COUNTY IS NOT RESPONSIBLE FOR THE ACCURACY AND ADEQUACY OF THE DESIGN, DIMENSIONS, AND/OR ELEVATIONS WHICH SHALL BE CONFIRMED AT THE JOB SITE. THE COUNTY THROUGH THE APPROVAL OF THIS DOCUMENT ASSUMES NO RESPONSIBILITY FOR COMPLETENESS AND/OR ACCURACY OF THIS DOCUMENT.

FILED IN ACCORDANCE WITH THE REQUIREMENTS OF THE EL PASO COUNTY LAND DEVELOPMENT CODE, DRAINAGE CRITERIA MANUAL, VOLUMES 1 AND 2, AND ENGINEERING CRITERIA MANUAL AS AMENDED.

IN ACCORDANCE WITH ECM SECTION 1.12, THESE CONSTRUCTION DOCUMENTS WILL BE VALID FOR CONSTRUCTION FOR A PERIOD OF 2 YEARS FROM THE DATE SIGNED BY THE EL PASO COUNTY ENGINEER. IF CONSTRUCTION HAS NOT STARTED WITHIN THOSE 2 YEARS, THE PLANS WILL NEED TO BE RESUBMITTED FOR APPROVAL, INCLUDING PAYMENT OF REVIEW FEES AT THE PLANNING AND COMMUNITY DEVELOPMENT DIRECTORS DISCRETION.

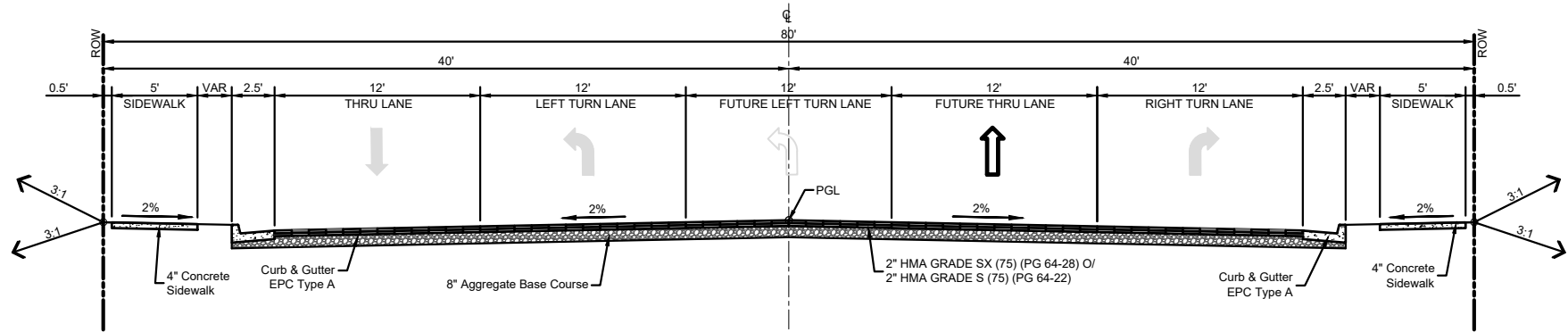
JENNIFER IRVINE, P.E. DATE  
COUNTY ENGINEER / ECM ADMINISTRATOR

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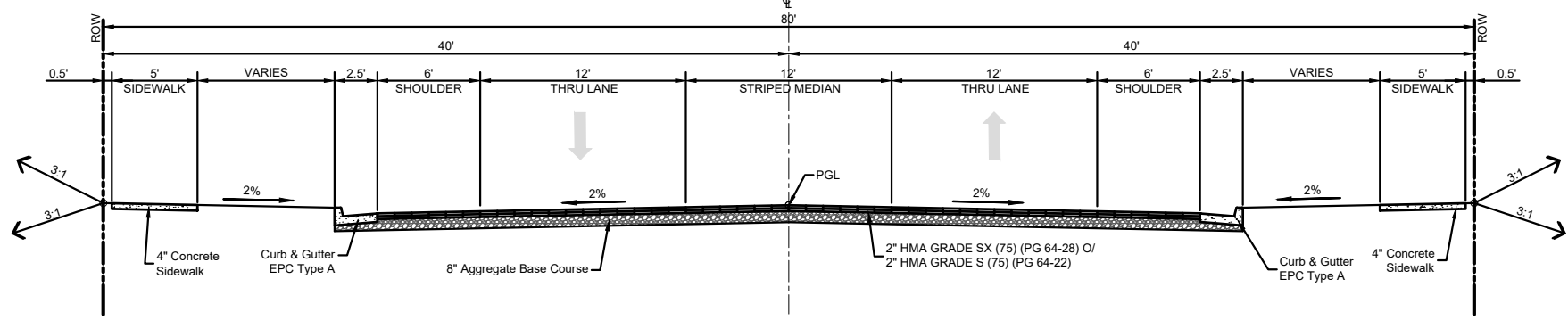






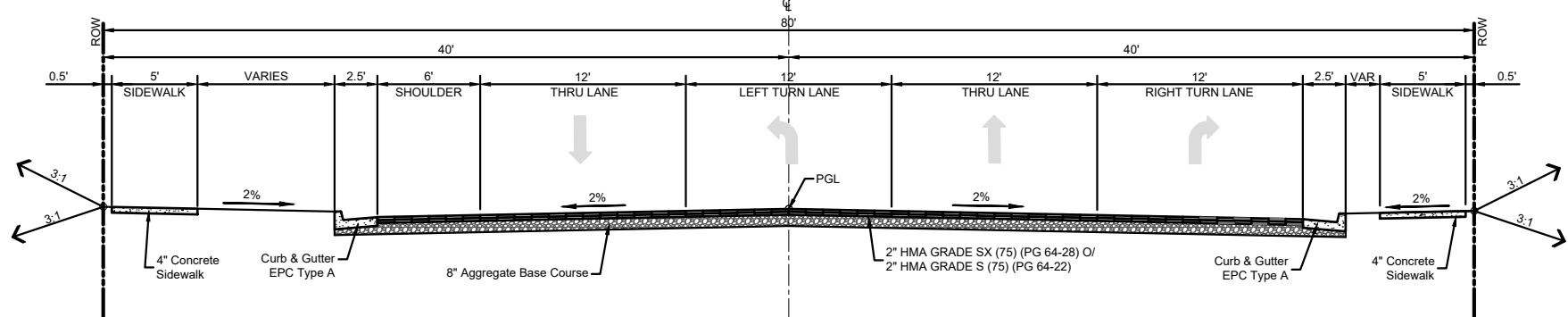
TYPICAL SECTION  
LEGACY DRIVE  
STA. 3+12.49 to STA. 5+00.76

NOTE:  
STA. 3+12.49 TO STA. 5+00.76 TRANSITION TO ROUNDABOUT.  
STA. 5+00.76 TO STA. 5+15.38 SEE ROUNDABOUT LAYOUT PLAN.



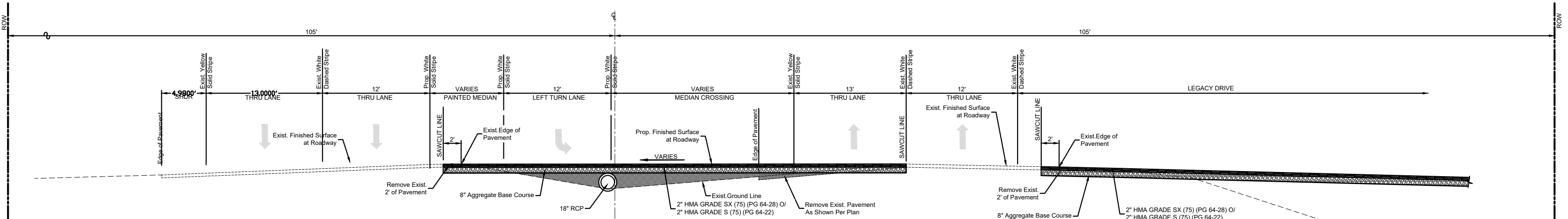
TYPICAL SECTION  
LEGACY DRIVE  
STA. 9+63.29 to STA. 12+62.10  
STA. 16+63.83 to STA. 20+50.35  
STA. 24+09.88 to STA. 28+56.54

NOTE:  
STA. 9+63.29 TO STA. 12+62.10 TRANSITION FROM ROUNDABOUT.  
STA. 12+62.10 TO STA. 14+30.70 LEFT TURN LANE TRANSITION.  
STA. 14+30.70 TO STA. 16+63.83 LEFT TURN LANE TRANSITION.  
STA. 16+63.83 TO STA. 18+56.54 LEFT TURN LANE TRANSITION.  
STA. 18+56.54 TO STA. 20+50.35 LEFT TURN LANE TRANSITION.  
STA. 20+50.35 TO STA. 21+91.67 LEFT TURN LANE TRANSITION.



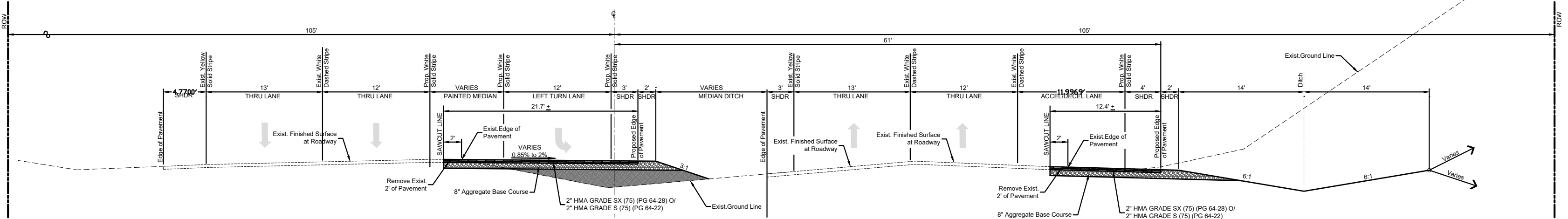
TYPICAL SECTION  
LEGACY DRIVE  
STA. 14+30.70 to STA. 15+73.65  
STA. 21+91.67 to STA. 23+31.77

NOTE:  
STA. 14+30.70 TO STA. 15+73.65 TRANSITION FROM ROUNDABOUT.  
STA. 15+73.65 TO STA. 16+63.83 LEFT TURN LANE TRANSITION.  
STA. 16+63.83 TO STA. 18+56.54 LEFT TURN LANE TRANSITION.  
STA. 18+56.54 TO STA. 20+50.35 LEFT TURN LANE TRANSITION.  
STA. 20+50.35 TO STA. 21+91.67 LEFT TURN LANE TRANSITION.



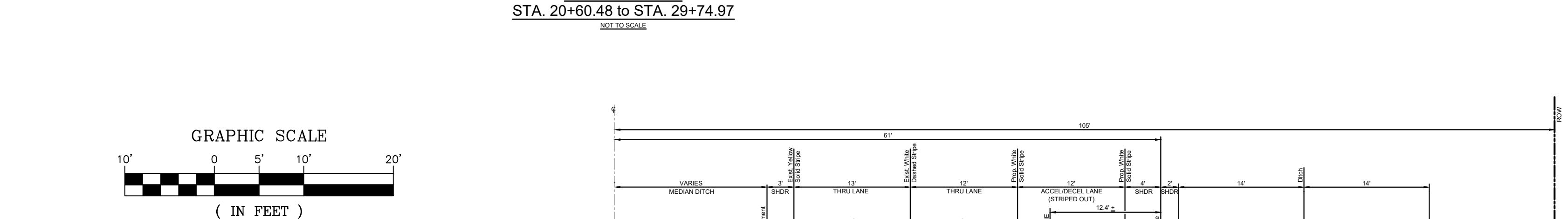
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BRADLEY ROAD  
STA. 15+76.76 to STA. 19+80.96

NOT TO SCALE



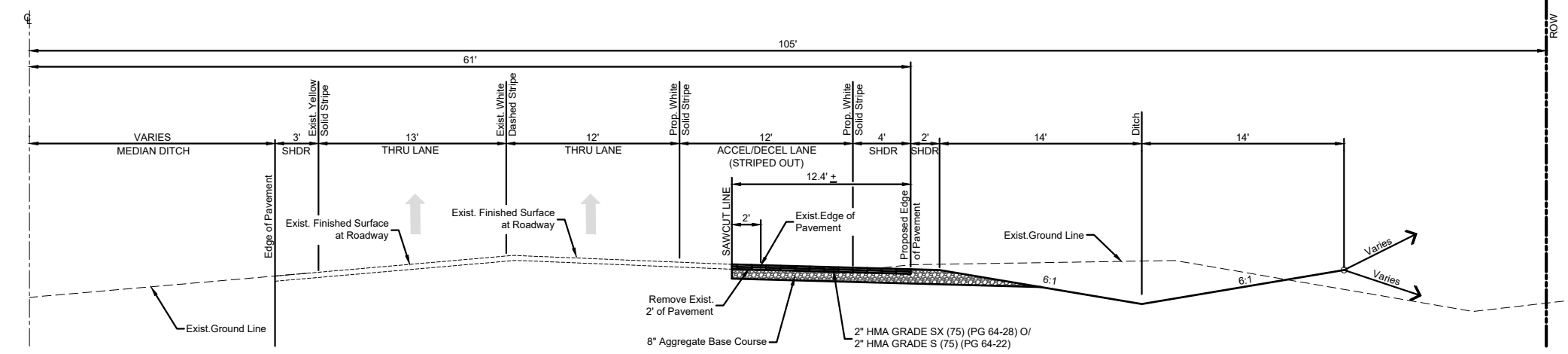
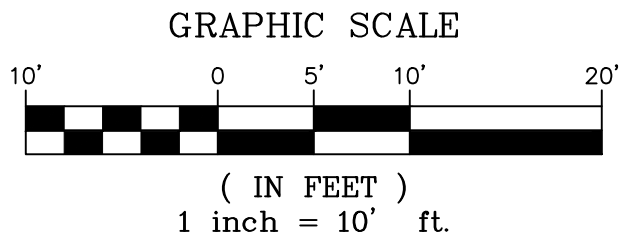
TYPICAL SECTION  
BRADLEY ROAD  
STA. 20+60.48 to STA. 29+74.97

NOT TO SCALE



TYPICAL SECTION  
BRADLEY ROAD  
STA. 20+60.48 to STA. 29+74.97

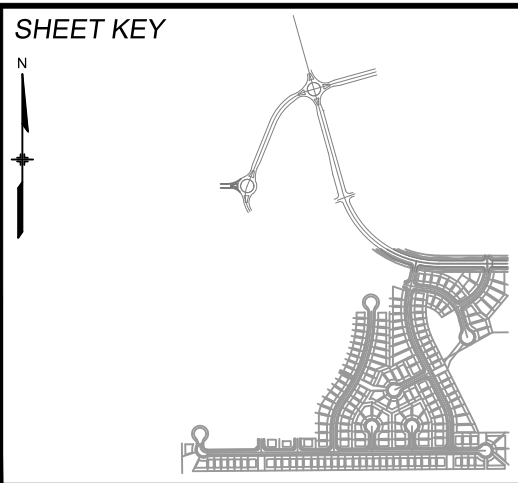
NOT TO SCALE



TYPICAL SECTION  
BRADLEY ROAD  
STA. 29+74.97 to STA. 36+64.55

NOT TO SCALE

REFERENCE DRAWINGS			
No.	DATE	DESCRIPTION	BY
COMPUTER FILE MANAGEMENT			
FILE NAME: S:\19.886.011 (Trails at Aspen Ridge - F1)\100 Dwg\104 Plan Sets\Construction Plans\Road & Storm Plans\TY01.dwg			
CTB FILE: ----			
PLOT DATE: July 2, 2019 2:16:02 PM			
THIS DRAWING IS CURRENT AS OF PLOT DATE AND MAY BE SUBJECT TO CHANGE.			



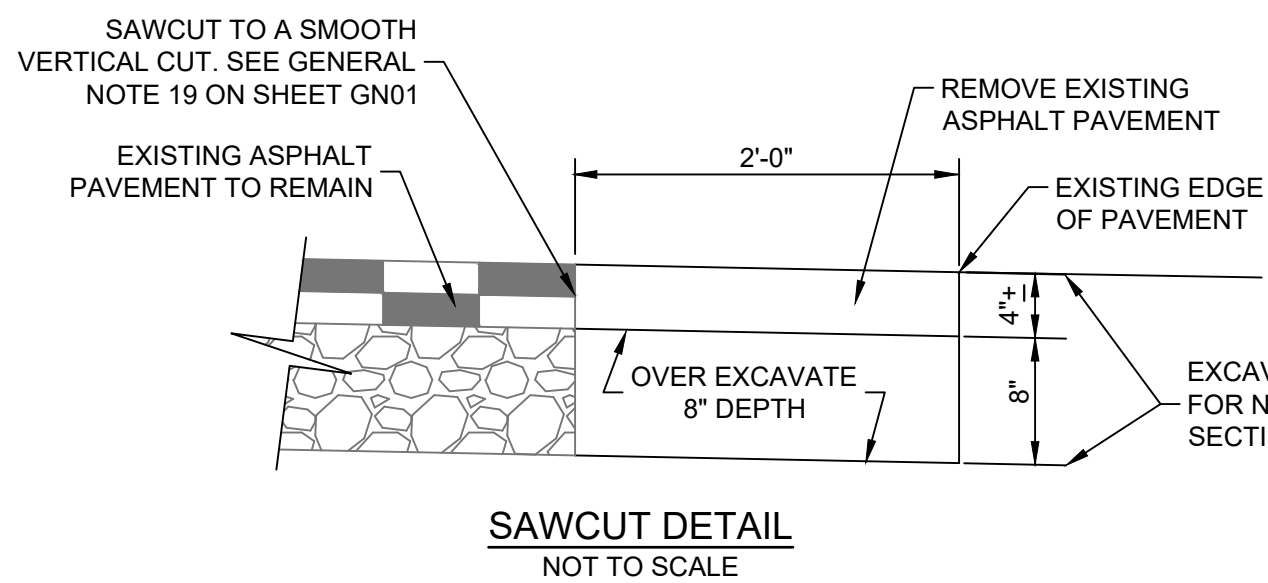
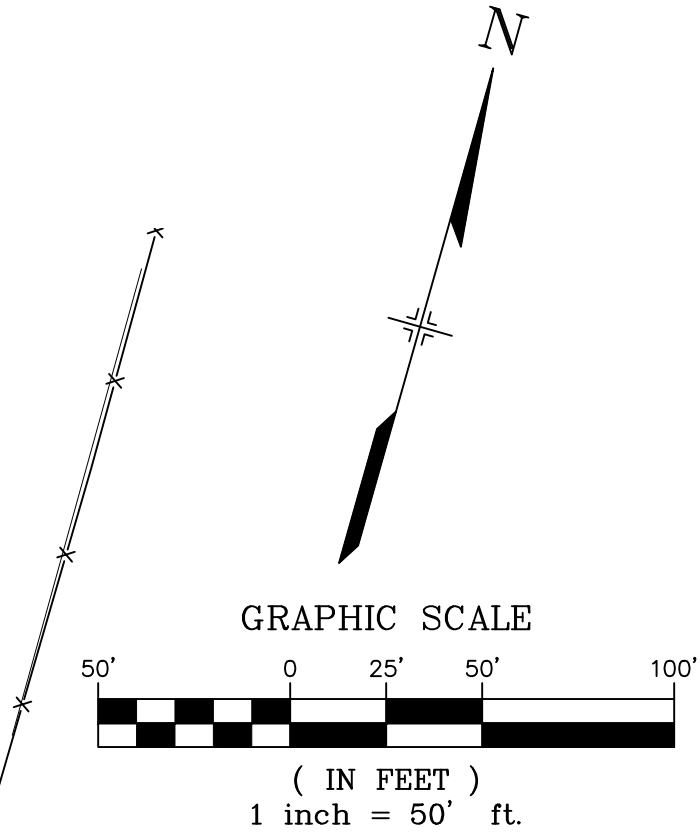
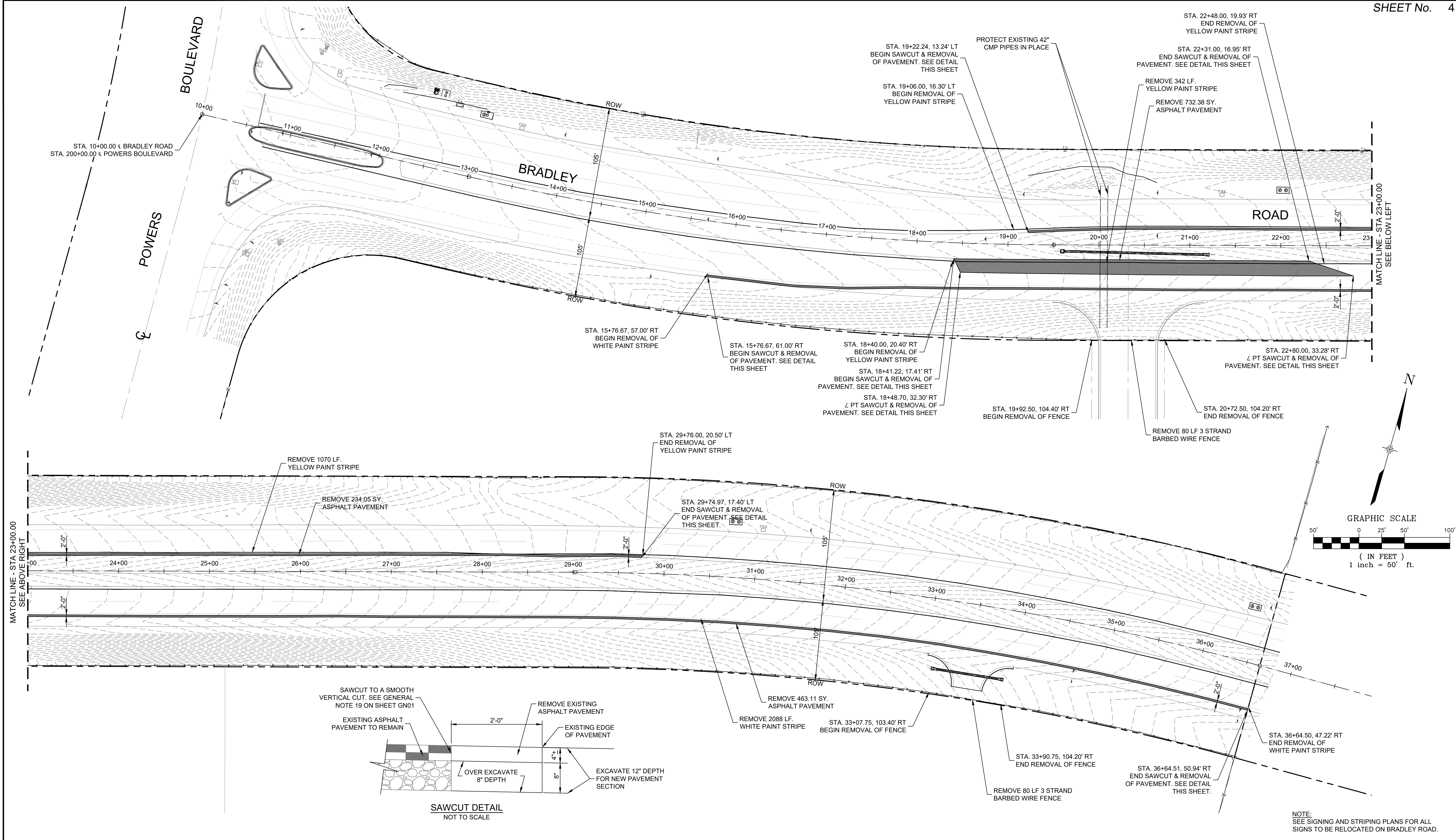
BENCHMARK COLORADO SPRINGS UTILITIES (FIMS) MONUMENT F206 A BERNTSEN TOP SECURITY MONUMENT SYSTEM WITH A 3.5-INCH DIAMETER ALUMINUM CAP IN A ROAD BOX, LOCATED ON THE NORTHWEST CORNER OF FONTAINE BOULEVARD AND POWERS BOULEVARD. ELEVATION - 5897.89' U.S. SURVEY FT	BASIS OF BEARING BEARINGS ARE BASED ON THE NORTH LINE OF THE NORTHWEST QUARTER OF SECTION 9, TOWNSHIP 15 SOUTH, RANGE 65 WEST OF THE 6TH P.M. SAID LINE BEARS S89°51'23"E FROM THE NORTHWEST CORNER OF SAID SECTION 9 (2 1/2" AULM. CAP PLS 17664) TO THE N 1/4 CORNER OF SAID SECTION 9 (3 1/4" AULM. CAP PLS 10377)
---	--



SEAL <b>PRELIMINARY</b> THIS DRAWING HAS NOT BEEN APPROVED BY GOVERNING AGENCIES AND IS SUBJECT TO CHANGE	FOR AND ON BEHALF OF MATRIX DESIGN GROUP, INC. PROJECT No. 19.886.011
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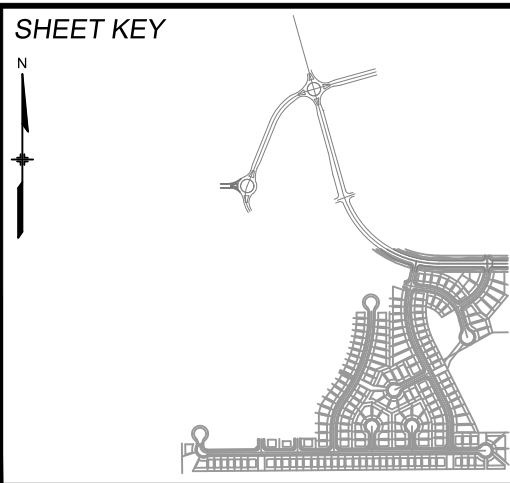
TRAILS AT ASPEN RIDGE			
FILING NO. 1 ROADWAY & STORM IMPROVEMENT PLANS			
LEGACY DRIVE PLAN & PROFILE			
DESIGNED BY: NMS	SCALE: HORIZ 1" = 40'	DATE ISSUED: JULY, 2019	DRAWING No. TY01
CHECKED BY: NMS	VERT. 1" = 8'	SHEET 3 OF 71	





NOTE:  
SEE SIGNING AND STRIPING PLANS FOR ALL  
SIGNS TO BE RELOCATED ON BRADLEY ROAD.

REFERENCE DRAWINGS			
No.	DATE	DESCRIPTION	BY
COMPUTER FILE MANAGEMENT			
FILE NAME: S:\19.886.011 (Trails at Aspen Ridge - F1)\100 Dwg\104 Plan Sets\Construction Plans\Road & Storm Plans\RM01-Bradley Road.dwg			
CTB FILE: ----			
PLOT DATE: July 2, 2019 1:18:14 PM			
THIS DRAWING IS CURRENT AS OF PLOT DATE AND MAY BE SUBJECT TO CHANGE.			



**BENCHMARK**  
COLORADO SPRINGS UTILITIES (FIMS) MONUMENT F206  
A BERNTSEN TOP SECURITY MONUMENT SYSTEM WITH A 3.5-INCH DIAMETER ALUMINUM CAP IN A ROAD BOX, LOCATED ON THE NORTHWEST CORNER OF FONTAINE BOULEVARD AND POWERS BOULEVARD.  
ELEVATION - 5897.89' U.S. SURVEY FT

**BASIS OF BEARING**  
BEARINGS ARE BASED ON THE NORTH LINE OF THE NORTHWEST QUARTER OF SECTION 9, TOWNSHIP 15 SOUTH, RANGE 65 WEST OF THE 6TH P.M. SAID LINE BEARS S89°51'23"E FROM THE NORTHWEST CORNER OF SAID SECTION 9 (2 1/2" AULM. CAP PLS 17664) TO THE N 1/4 CORNER OF SAID SECTION 9 (3 1/4" AULM. CAP PLS 10377)



SEAL

**PRELIMINARY**  
THIS DRAWING HAS NOT  
BEEN APPROVED BY  
GOVERNING AGENCIES AND  
IS SUBJECT TO CHANGE

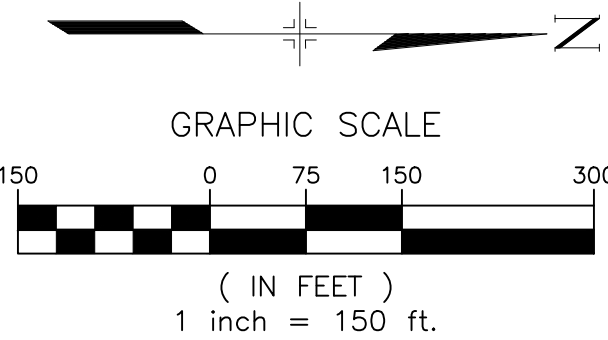
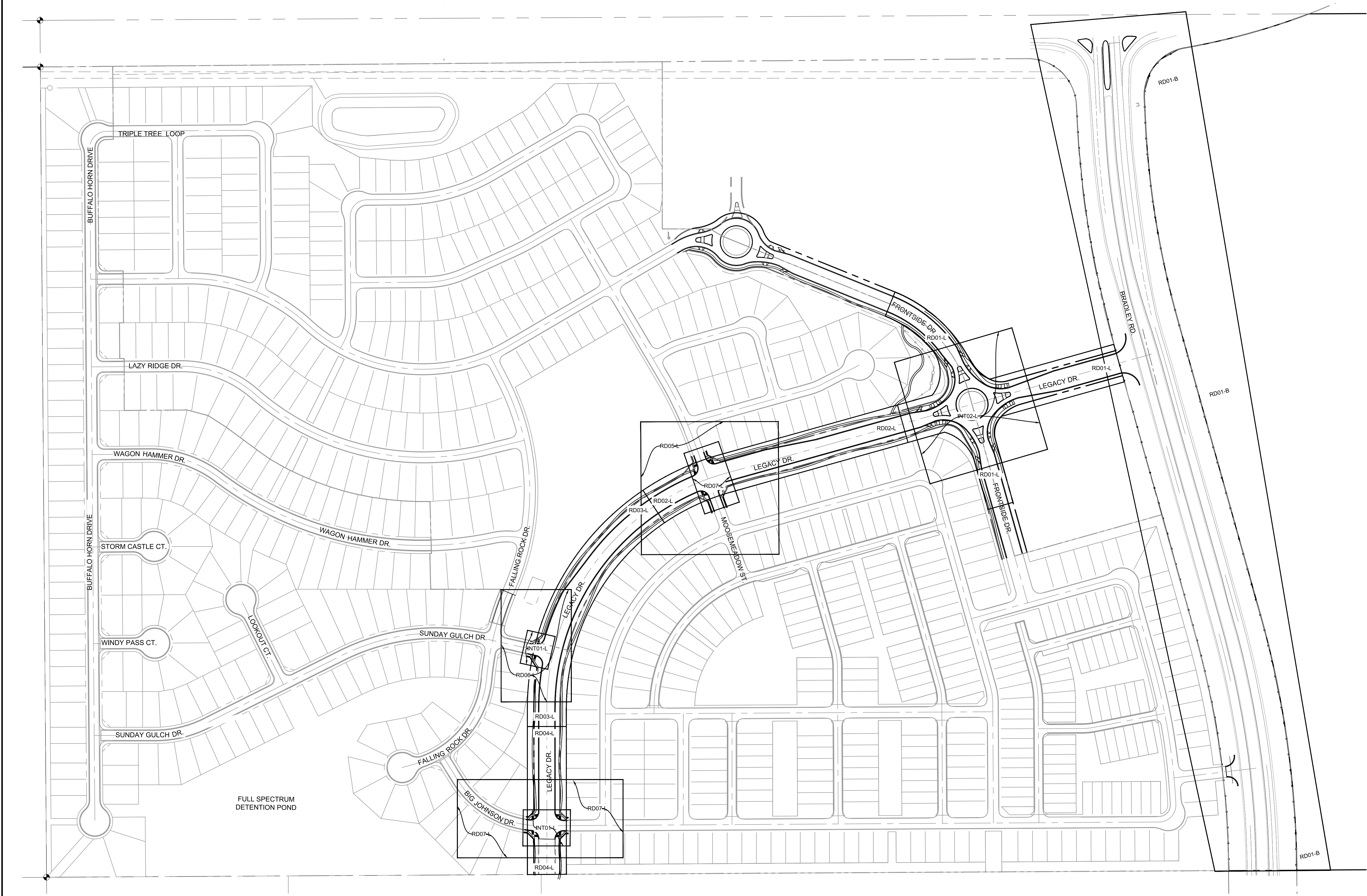
FOR AND ON BEHALF OF  
MATRIX DESIGN GROUP, INC.  
PROJECT No. 19.886.011

TRAILS AT ASPEN RIDGE			
FILING NO. 1 ROADWAY & STORM IMPROVEMENT PLANS			
BRADLEY ROAD PROJECT DEMOLITION			
DESIGNED BY: NMS	SCALE: HORIZ 1" = 50'	DATE ISSUED: JULY, 2019	DRAWING No.
CHECKED BY: NMS	VERT. N.A.	SHEET 4 OF 71	RM01-B





Know what's below.  
Call before you dig.



REFERENCE DRAWINGS			
No.	DATE	DESCRIPTION	BY
COMPUTER FILE MANAGEMENT			
FILE NAME: S:\19.886.011 (Trails at Aspen Ridge - F1)\100 Dwg\104 Plan Sets\Construction Plans\Road & Storm Plans\RD00.dwg			
CTB FILE: ----			
PLOT DATE: July 2, 2019 1:19:22 PM			
THIS DRAWING IS CURRENT AS OF PLOT DATE AND MAY BE SUBJECT TO CHANGE.			

**BENCHMARK**  
COLORADO SPRINGS UTILITIES (FIMS) MONUMENT F206  
A BERNTSEN TOP SECURITY MONUMENT SYSTEM WITH A 3.5-INCH DIAMETER ALUMINUM CAP IN A ROAD BOX, LOCATED ON THE NORTHWEST CORNER OF FONTAINE BOULEVARD AND POWERS BOULEVARD.  
ELEVATION - 5897.89' U.S. SURVEY FT

**BASIS OF BEARING**  
BEARINGS ARE BASED ON THE NORTH LINE OF THE NORTHWEST QUARTER OF SECTION 9, TOWNSHIP 15 SOUTH, RANGE 65 WEST OF THE 6TH P.M. SAID LINE BEARS S89°51'23"E FROM THE NORTHWEST CORNER OF SAID SECTION 9 (2 1/2" AULM. CAP PLS 17664) TO THE N 1/4 CORNER OF SAID SECTION 9 (3 1/4" AULM. CAP PLS 10377)

PREPARED BY:



SEAL

**PRELIMINARY**  
THIS DRAWING HAS NOT  
BEEN APPROVED BY  
GOVERNING AGENCIES AND  
IS SUBJECT TO CHANGE

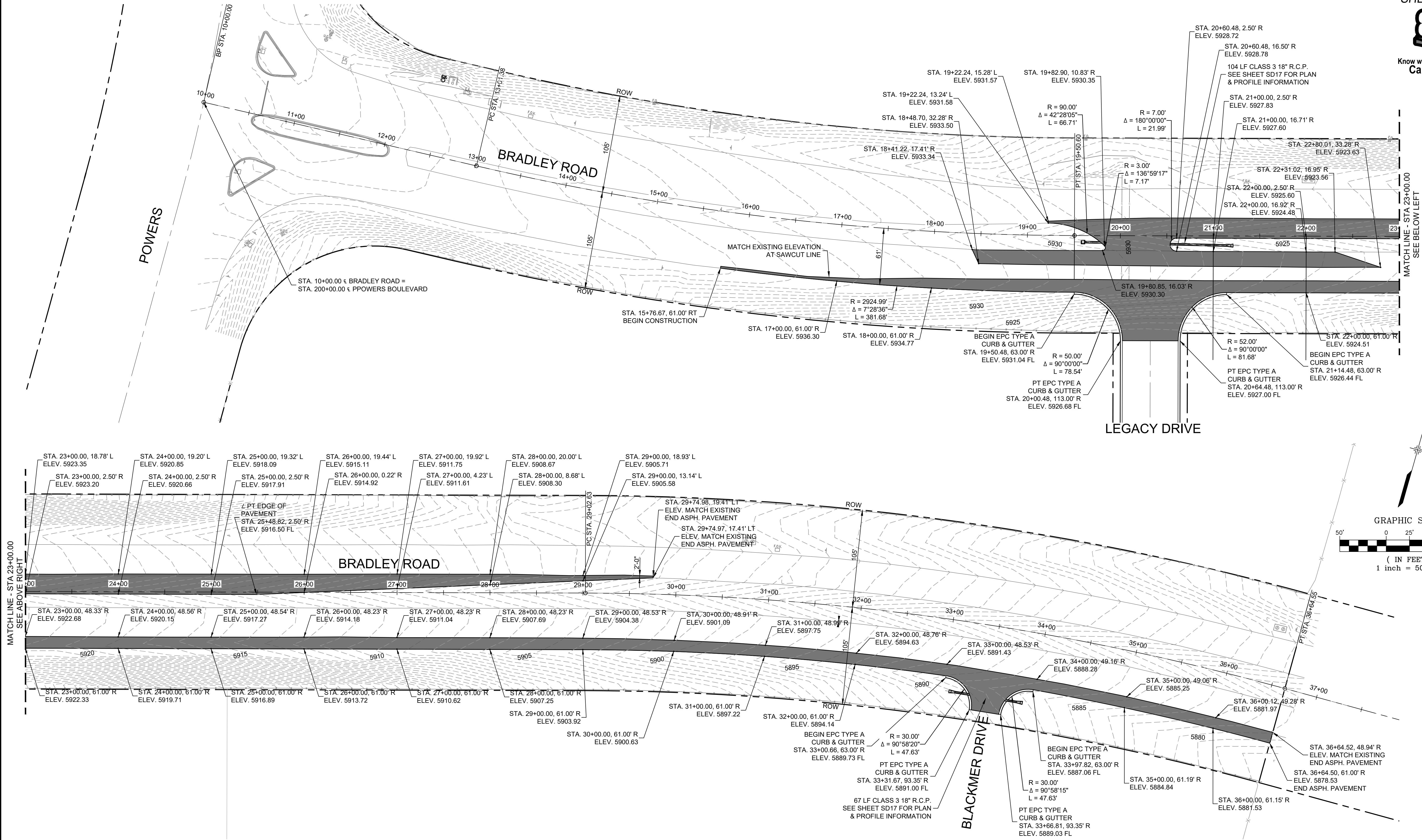
FOR AND ON BEHALF OF  
MATRIX DESIGN GROUP, INC.  
PROJECT No. 19.886.011

TRAILS AT ASPEN RIDGE			
FILING NO. 1 ROADWAY & STORM IMPROVEMENT PLANS			
ROAD SHEET KEY			
DESIGNED BY: KMZ	SCALE	DATE ISSUED:	JULY, 2019
DRAWN BY: LCB	HORIZ 1" = 150'		
CHECKED BY: NMS	VERT. N.A.	SHEET	5 OF 71
			DRAWING No. RDX1-B

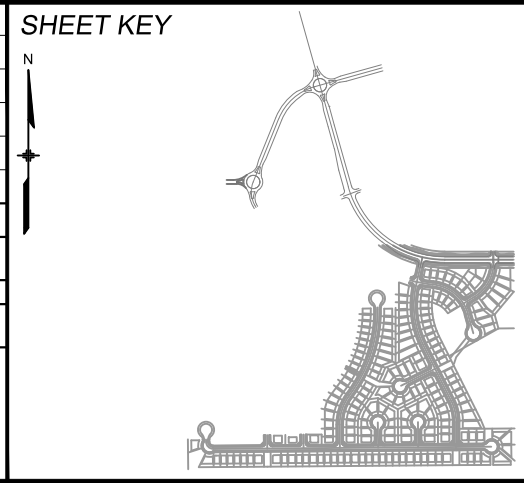




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REFERENCE DRAWINGS			
No.	DATE	DESCRIPTION	BY
COMPUTER FILE MANAGEMENT			
FILE NAME: S:\19.886.011 (Trails at Aspen Ridge - F1)\100 Dwg\104 Plan Sets\Construction Plans\Road & Storm Plans\RD01-B.dwg			
CTB FILE: ---			
PLOT DATE: July 2, 2019 1:20:20 PM			
THIS DRAWING IS CURRENT AS OF PLOT DATE AND MAY BE SUBJECT TO CHANGE.			



**BENCHMARK**  
COLORADO SPRINGS UTILITIES (FIMS) MONUMENT F206  
A BERTSEN TOP SECURITY MONUMENT SYSTEM WITH A 3.5-INCH DIAMETER ALUMINUM CAP IN A ROAD BOX, LOCATED ON THE NORTHWEST CORNER OF FONTAINE BOULEVARD AND POWERS BOULEVARD.  
ELEVATION - 5897.89' U.S. SURVEY FT

**BASIS OF BEARING**  
BEARINGS ARE BASED ON THE NORTH LINE OF THE NORTHWEST QUARTER OF SECTION 9, TOWNSHIP 15 SOUTH, RANGE 65 WEST OF THE 6TH P.M. SAID LINE BEARS S89°51'23"E FROM THE NORTHWEST CORNER OF SAID SECTION 9 (2 1/2" AULM. CAP PLS 17664) TO THE N 1/4 CORNER OF SAID SECTION 9 (3 1/4" AULM. CAP PLS 10377)



**PRELIMINARY**  
THIS DRAWING HAS NOT BEEN APPROVED BY GOVERNING AGENCIES AND IS SUBJECT TO CHANGE

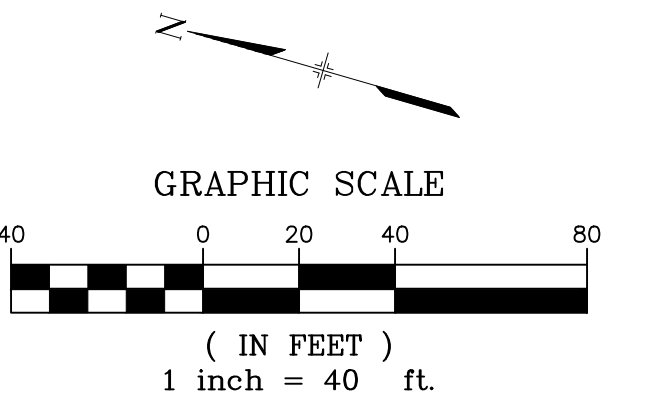
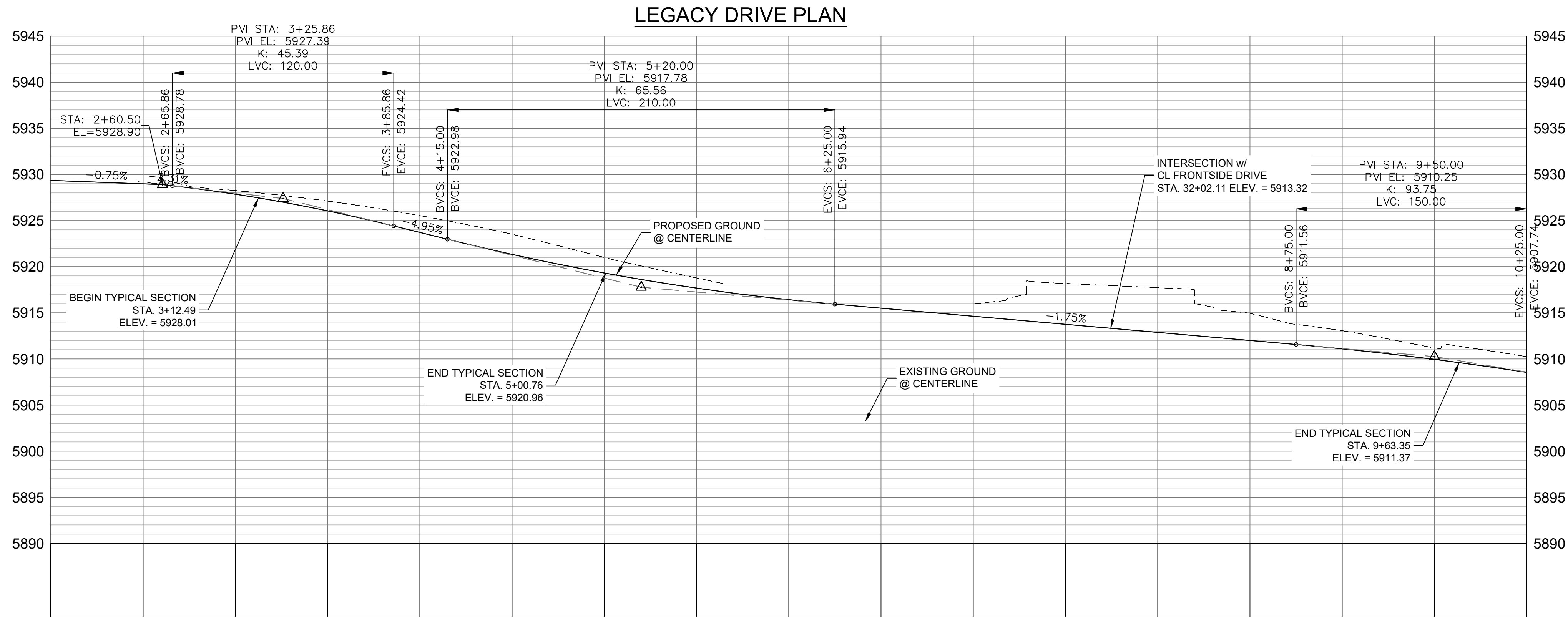
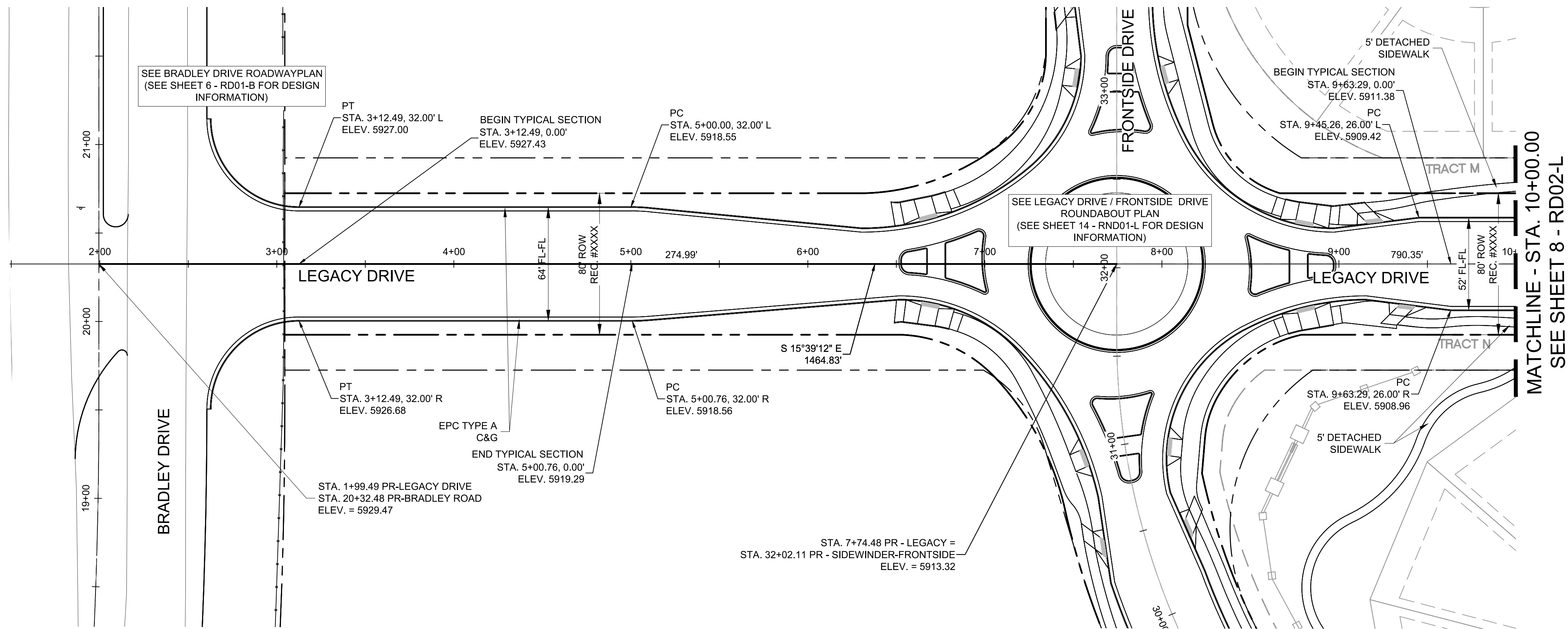
FOR AND ON BEHALF OF  
MATRIX DESIGN GROUP, INC.  
PROJECT No. 19.886.011

TRAILS AT ASPEN RIDGE			
FILING NO. 1 ROADWAY & STORM IMPROVEMENT PLANS			
BRADLEY ROAD ROADWAY PLAN			
DESIGNED BY: NMS	SCALE: HORIZ 1" = 50'	DATE ISSUED: JULY, 2019	DRAWING No. RD01-B
DRAWN BY: TJC	VERT. N.A.	SHEET 6 OF 71	
CHECKED BY: NMS			





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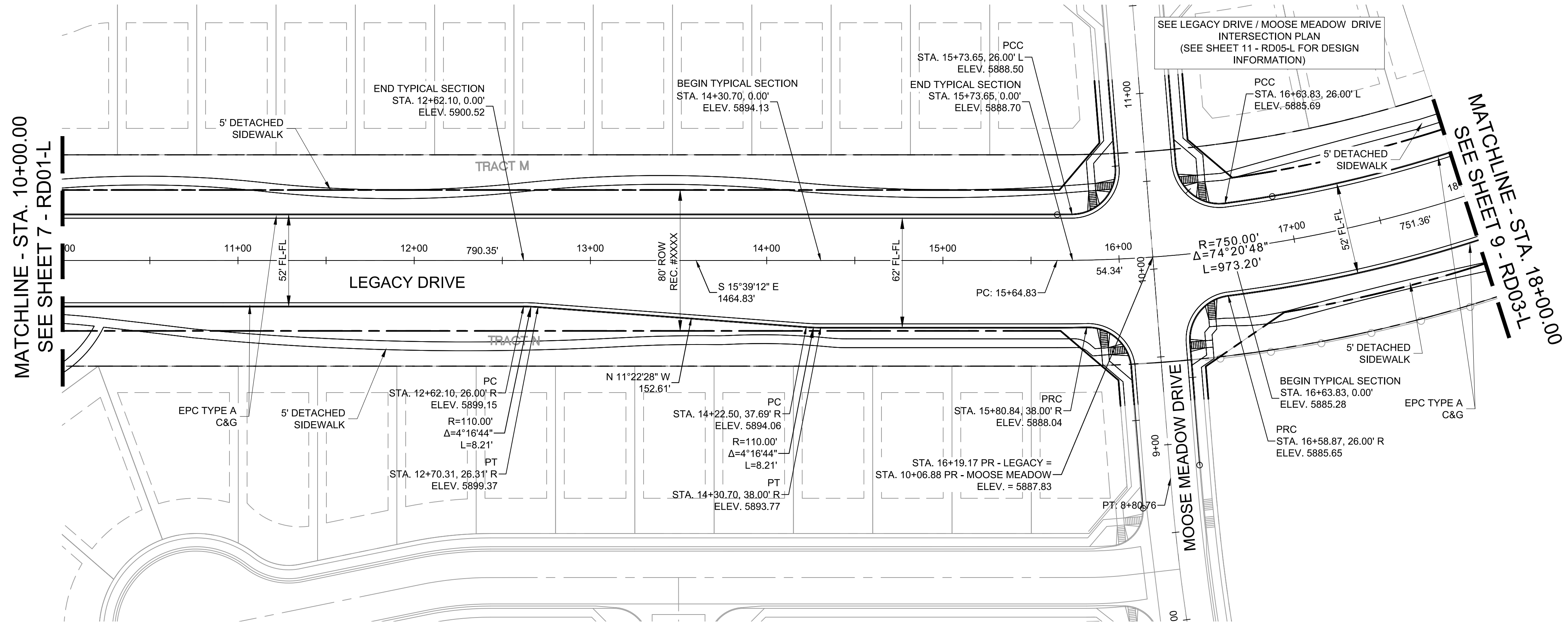


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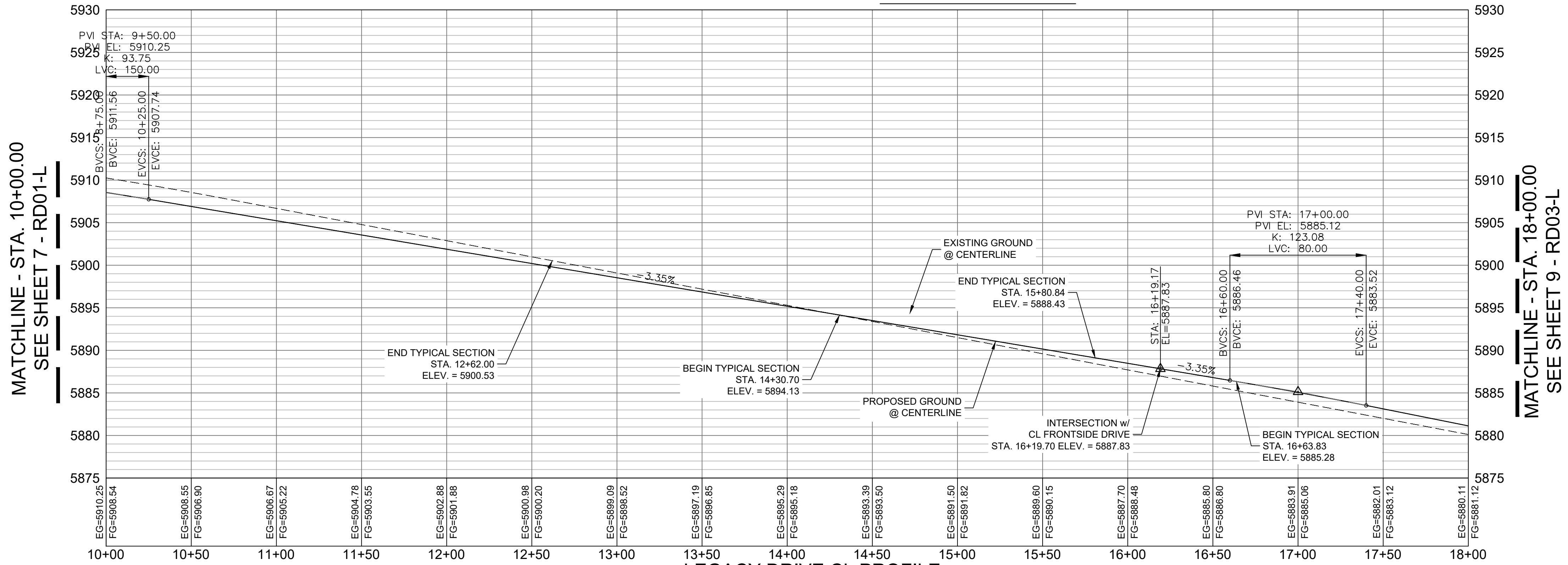
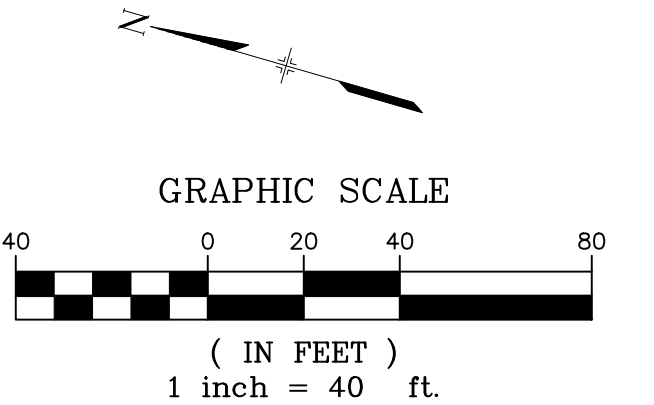




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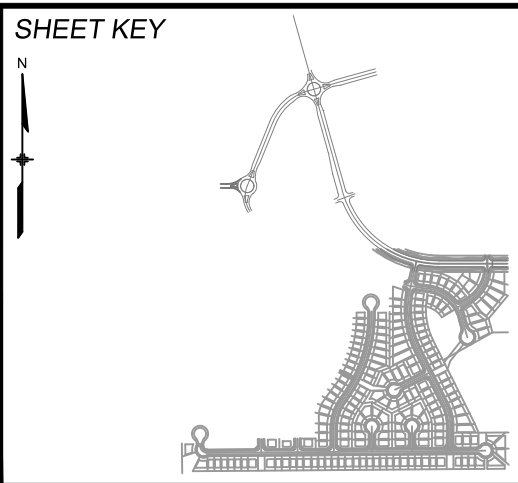
LEGACY DRIVE PLAN



LEGACY DRIVE CL PROFILE

HORIZ: 1" = 40'  
VERT: 1" = 8'

REFERENCE DRAWINGS			
No.	DATE	DESCRIPTION	BY
COMPUTER FILE MANAGEMENT			
FILE NAME: S:\19.886.011 (Trails at Aspen Ridge - F1)\100 Dwg\104 Plan Sets\Construction Plans\Road & Storm Plans\RD01-Legacy Road.dwg			
CTB FILE: ---			
PLOT DATE: July 2, 2019 2:17:13 PM			
THIS DRAWING IS CURRENT AS OF PLOT DATE AND MAY BE SUBJECT TO CHANGE.			



**BENCHMARK**  
COLORADO SPRINGS UTILITIES (FIMS) MONUMENT F206  
A BERTSEN TOP SECURITY MONUMENT SYSTEM WITH A 3.5-INCH DIAMETER ALUMINUM CAP IN A ROAD BOX, LOCATED ON THE NORTHWEST CORNER OF FONTAINE BOULEVARD AND POWERS BOULEVARD.  
ELEVATION - 5897.89' U.S. SURVEY FT

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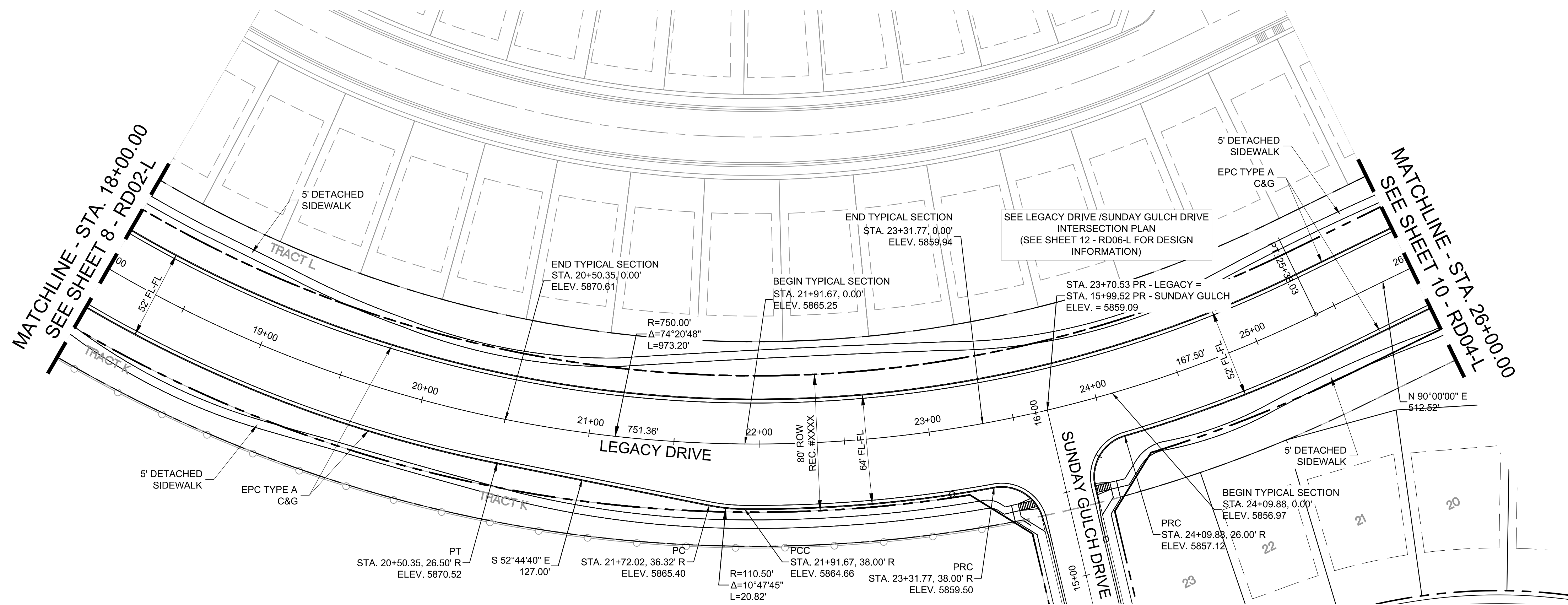


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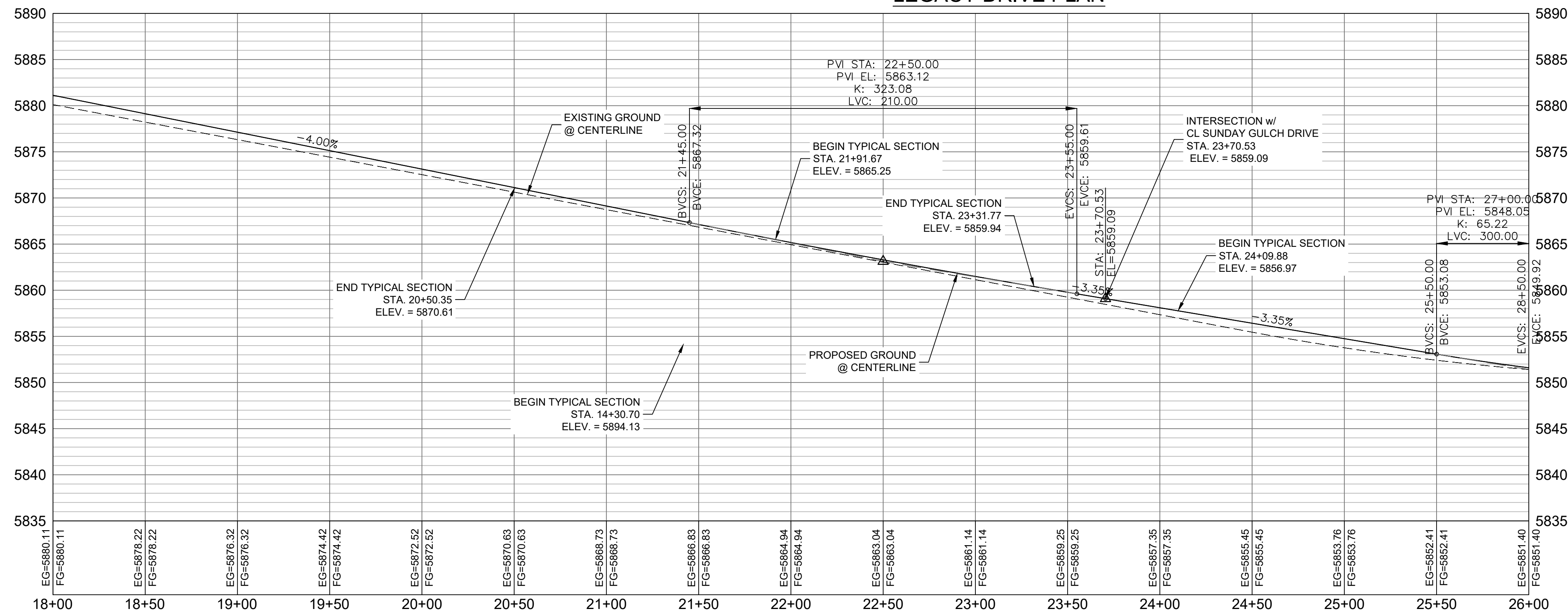
FOR AND ON BEHALF OF  
MATRIX DESIGN GROUP, INC.  
PROJECT No. 19.886.011

TRAILS AT ASPEN RIDGE			
FILING NO. 1 ROADWAY & STORM IMPROVEMENT PLANS			
LEGACY DRIVE PLAN & PROFILE			
DESIGNED BY: NMS	SCALE: 1" = 40'	DATE ISSUED: JULY, 2019	DRAWING No.
CHECKED BY: NMS	VERT. 1" = 8'	SHEET	8 OF 71
			RD02-L

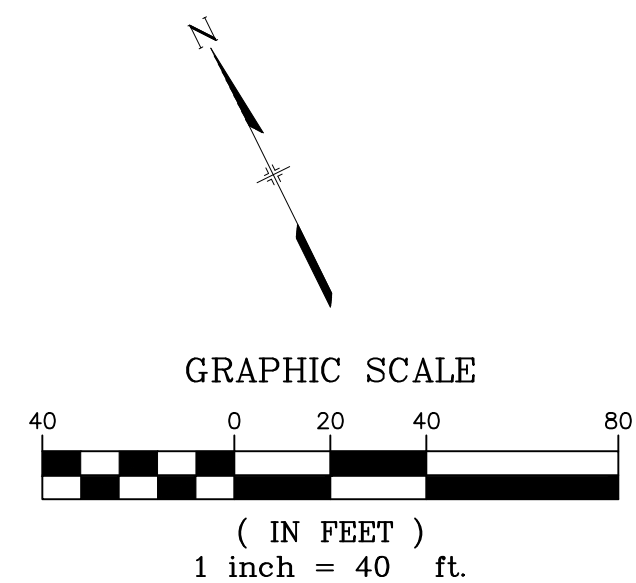


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LEGACY DRIVE PLAN



LEGACY DRIVE CL PROFILE

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FILE NAME: S:\19.886.011 (Trails at Aspen Ridge - F1)\100 Dwg\104 Plan Sets\Construction Plans\Road & Storm Plans\RD01-Legacy Road.dwg			
CTB FILE: ----			
PLOT DATE: July 2, 2019 1:21:53 PM			
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SHEET KEY			

BENCHMARK			
COLORADO SPRINGS UTILITIES (FIMS) MONUMENT F206 A BERNTSEN TOP SECURITY MONUMENT SYSTEM WITH A 3.5-INCH DIAMETER ALUMINUM CAP IN A ROAD BOX, LOCATED ON THE NORTHWEST CORNER OF FONTAINE BOULEVARD AND POWERS BOULEVARD. ELEVATION - 5897.89' U.S. SURVEY FT			

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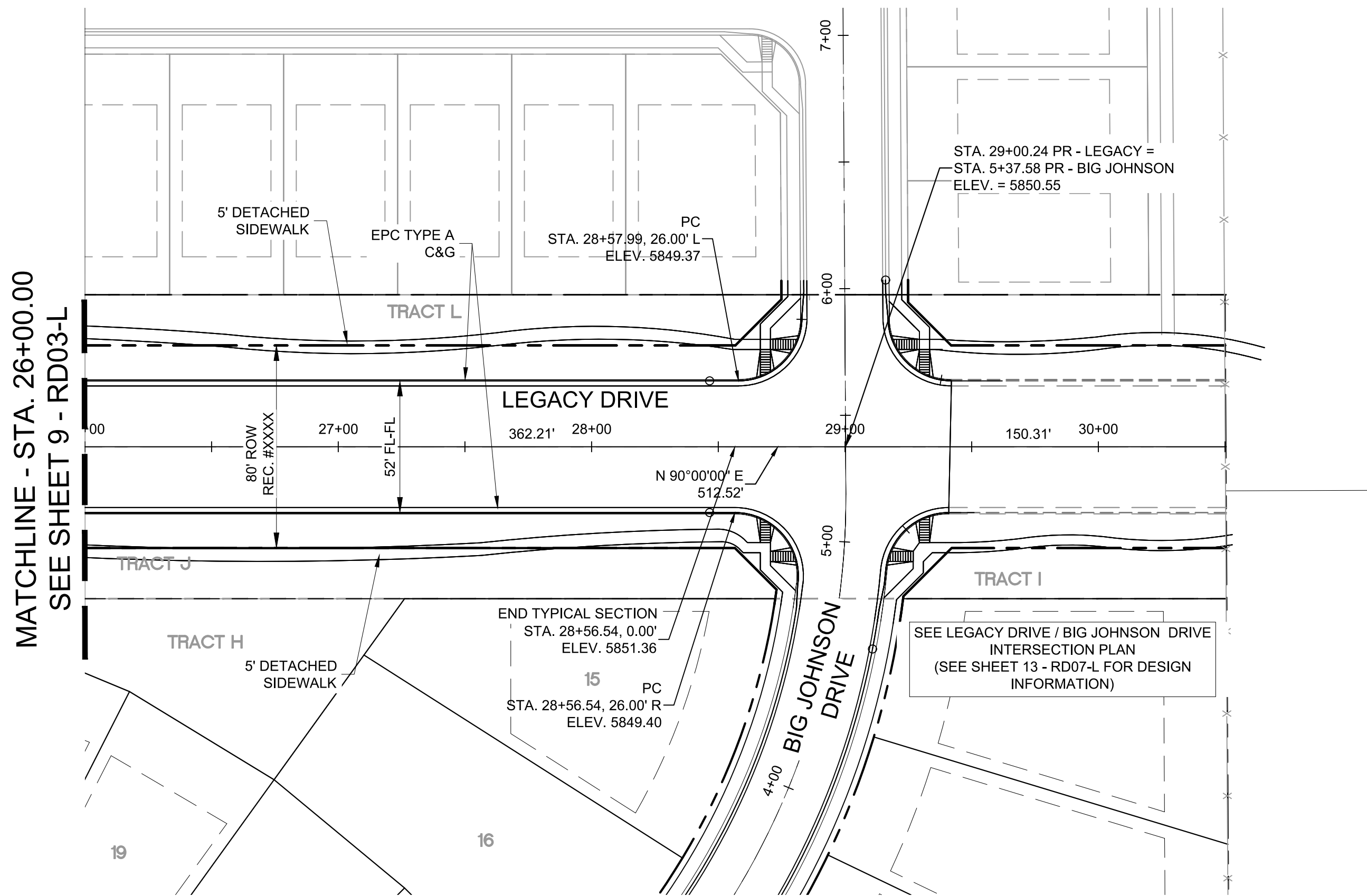
PREPARED BY:			

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<b>PRELIMINARY</b> THIS DRAWING HAS NOT BEEN APPROVED BY GOVERNING AGENCIES AND IS SUBJECT TO CHANGE			

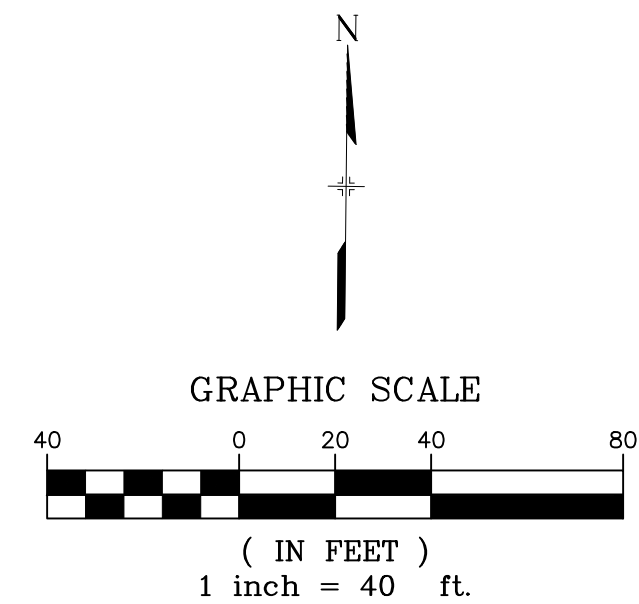
TRAILS AT ASPEN RIDGE			
FILING NO. 1 ROADWAY & STORM IMPROVEMENT PLANS			
LEGACY DRIVE PLAN & PROFILE			

DESIGNED BY:		SCALE		DATE ISSUED:		DRAWING No.	
NMS	TJC	HORIZ 1" = 40'	VERT. 1" = 8'	JULY, 2019		RD03-L	

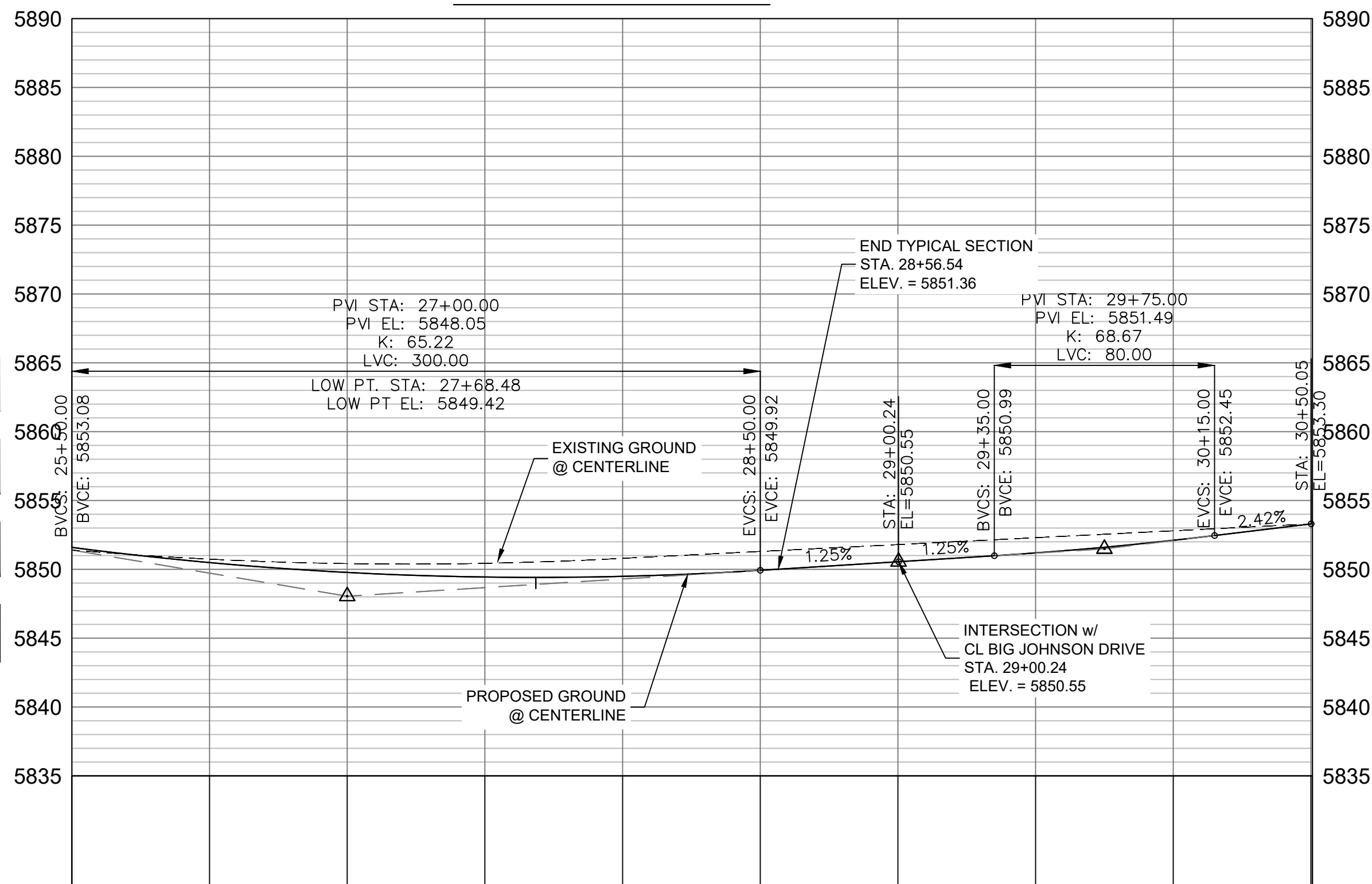




LEGACY DRIVE PLAN



MATCHLINE - STA. 26+00.00  
SEE SHEET 9 - RD03-L



LEGACY DRIVE CL PROFILE

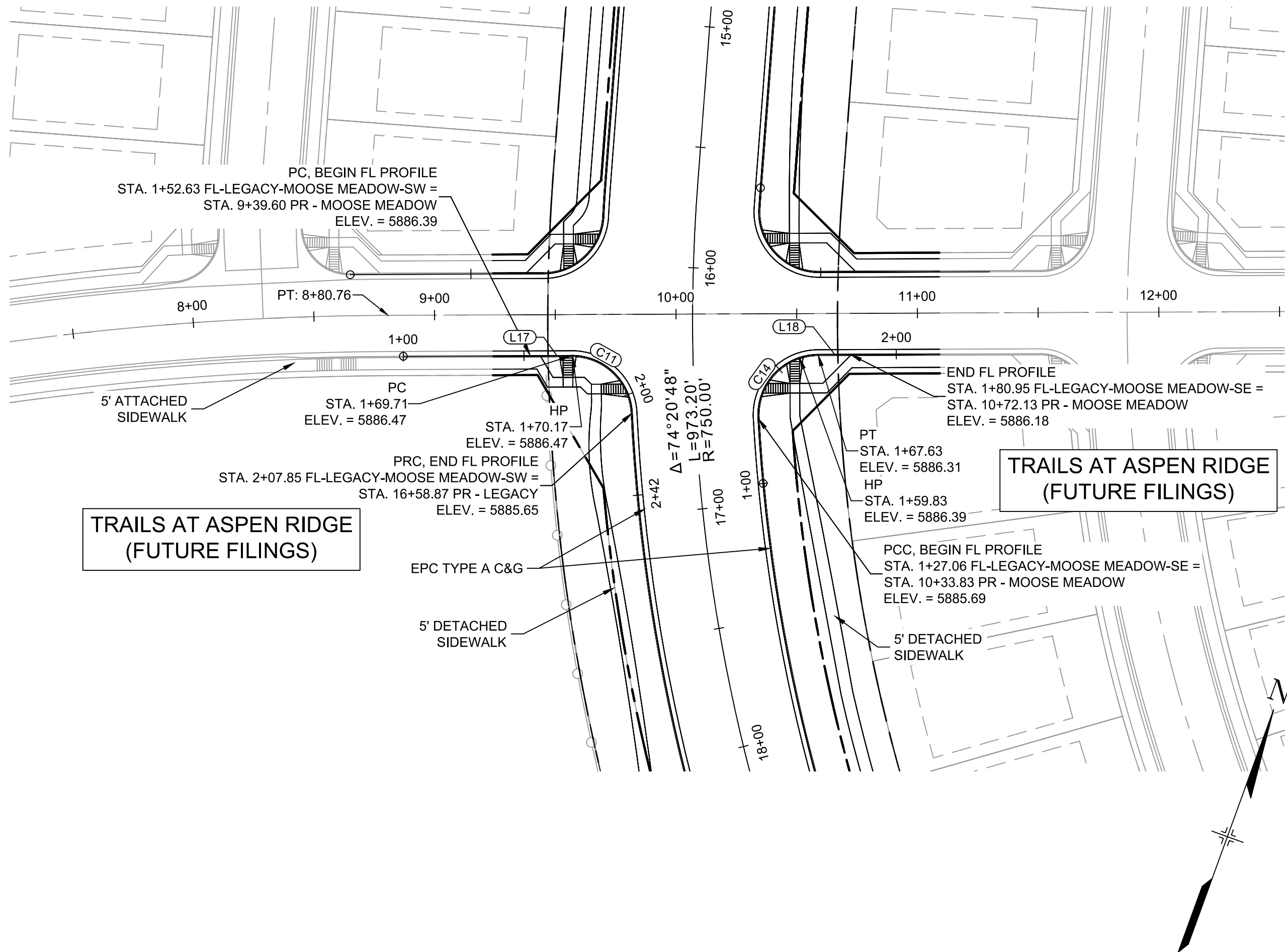
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VERT: 1" = 8'

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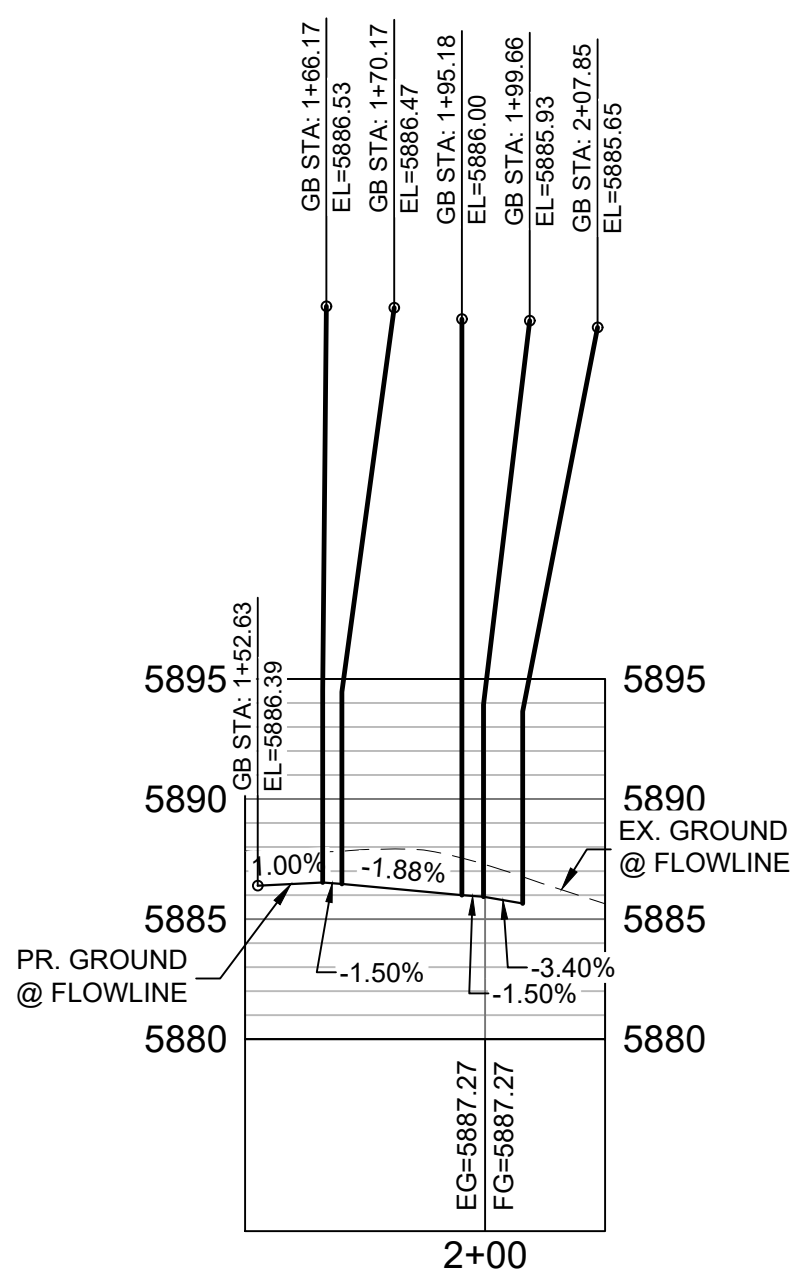
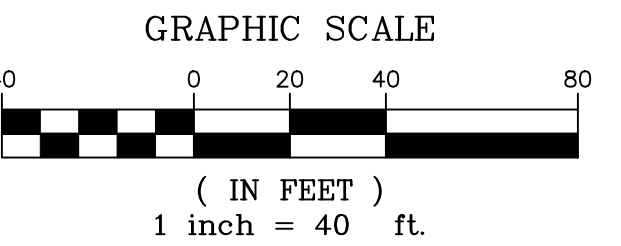
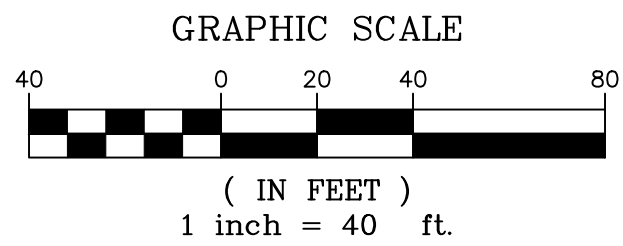
Know what's below.  
Call before you dig.



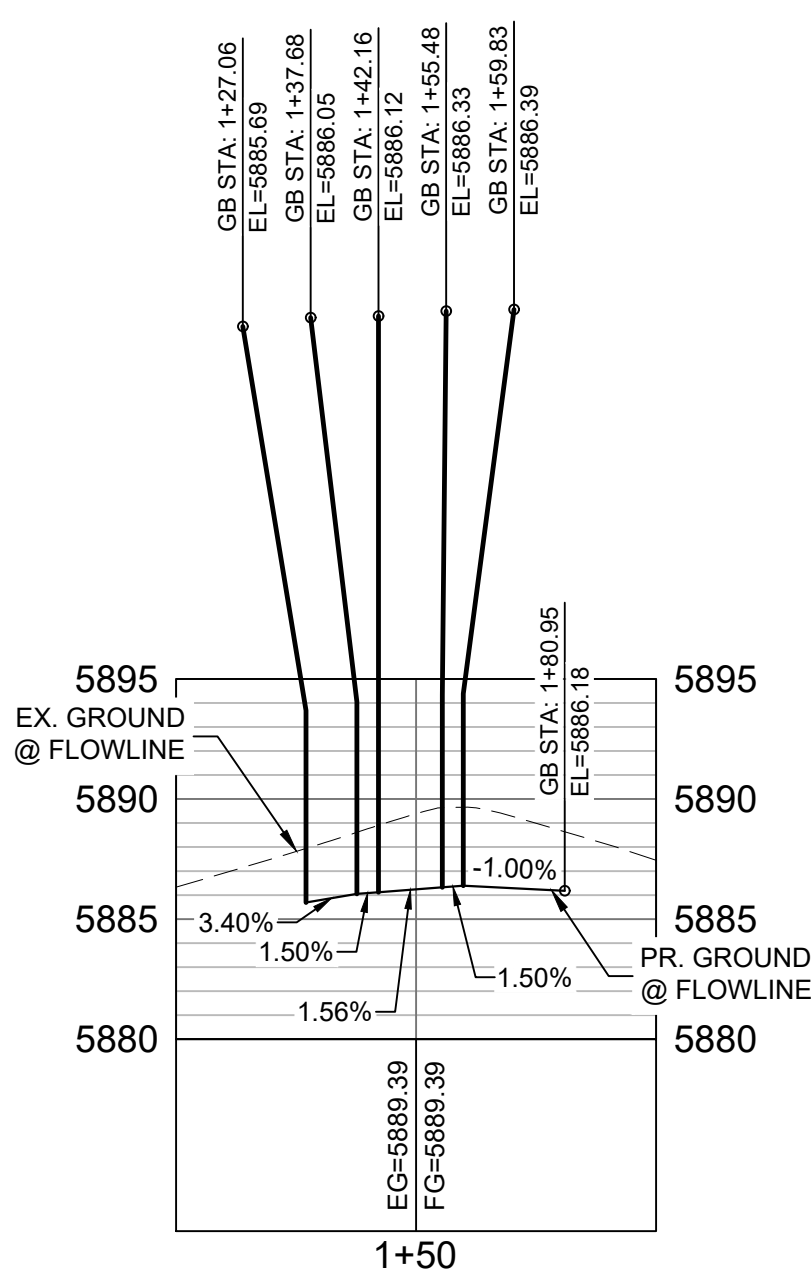
TRAILS AT ASPEN RIDGE  
(FUTURE FILINGS)

TRAILS AT ASPEN RIDGE  
(FUTURE FILINGS)

TRAILS AT ASPEN RIDGE  
(FUTURE FILINGS)



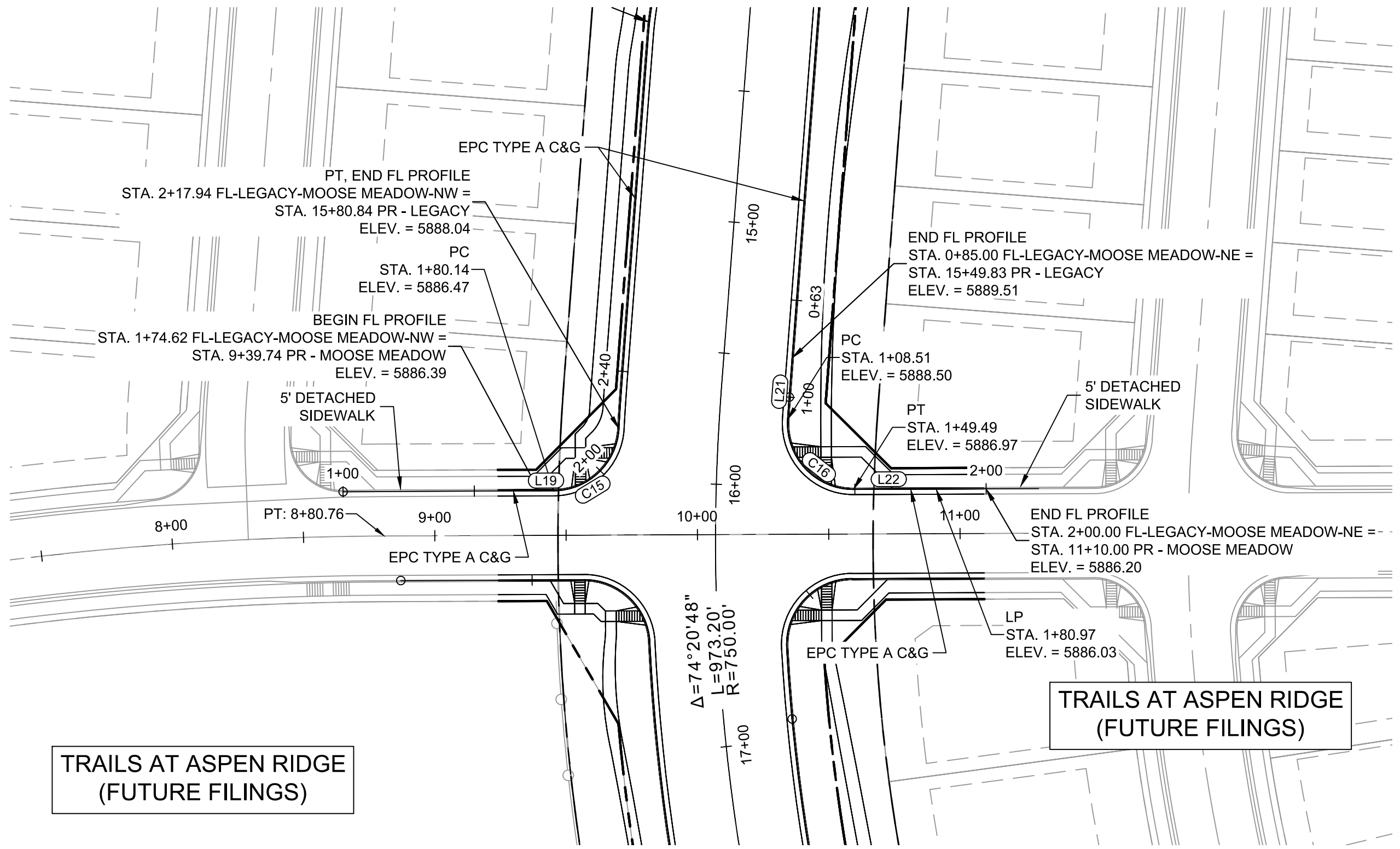
MOOSE MEADOW SW FLOWLINE  
PROFILE  
HORIZ: 1" = 40'  
VERT: 1" = 8'



MOOSE MEADOW SE FLOWLINE  
PROFILE  
HORIZ: 1" = 40'  
VERT: 1" = 8'

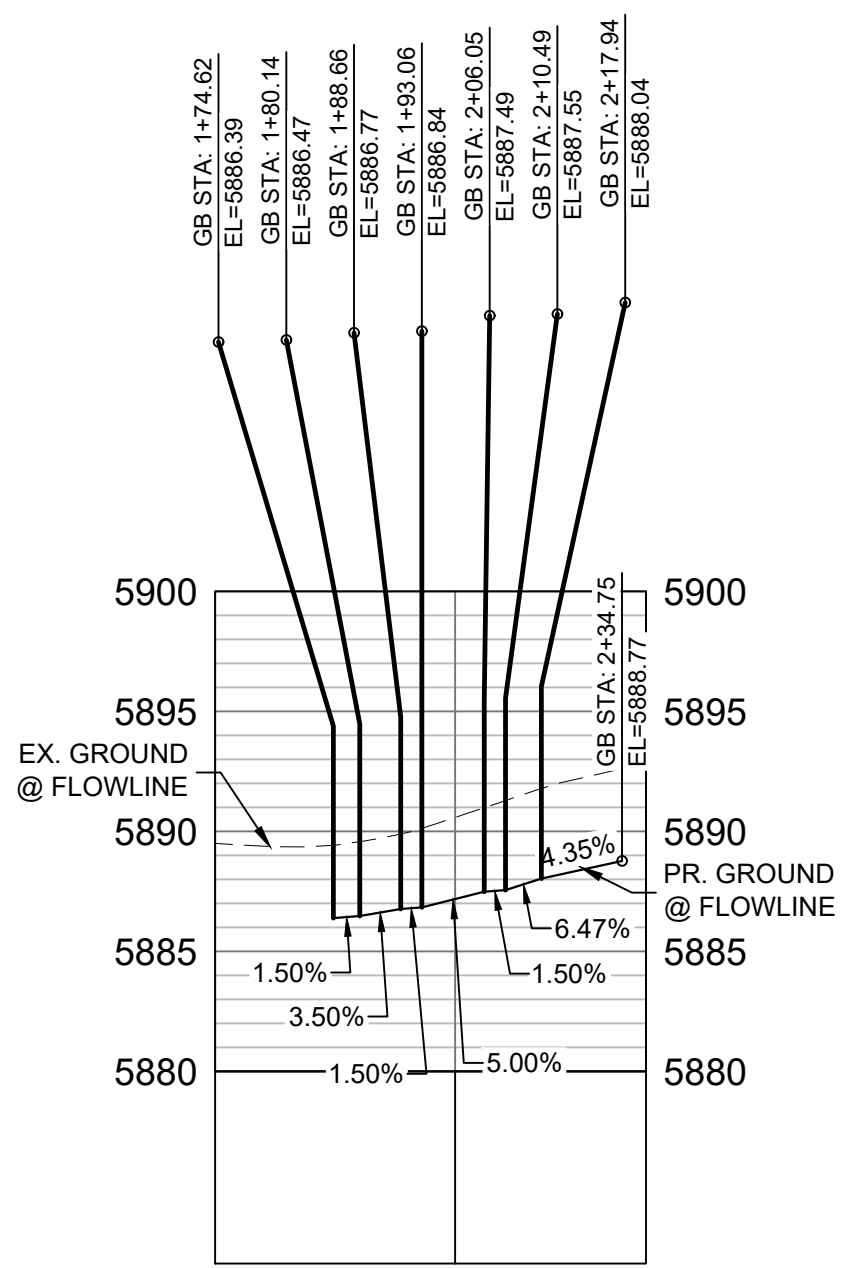
LINE TABLE		
LINE #	BEARING	DISTANCE
L17	N69°44'49"E	17.08
L18	N69°45'39"E	13.32

CURVE TABLE			
CURVE #	ARC LENGTH	RADIUS	ANGLE
C11	38.14	25.00	87°24'07"
C14	40.57	25.00	92°58'38"

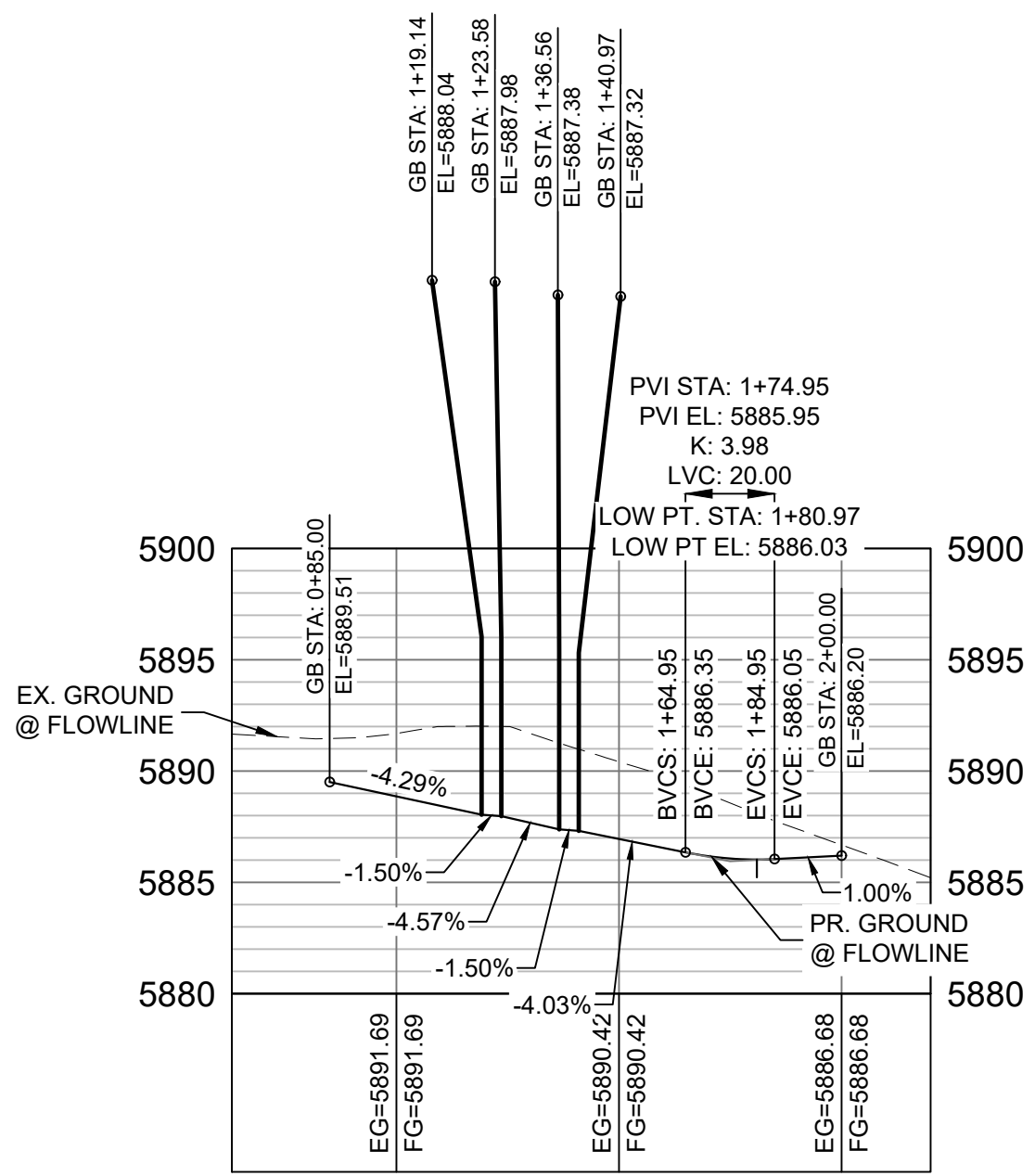


TRAILS AT ASPEN RIDGE  
(FUTURE FILINGS)

TRAILS AT ASPEN RIDGE  
(FUTURE FILINGS)



MOOSE MEADOW NW FLOWLINE  
PROFILE  
HORIZ: 1" = 40'  
VERT: 1" = 8'

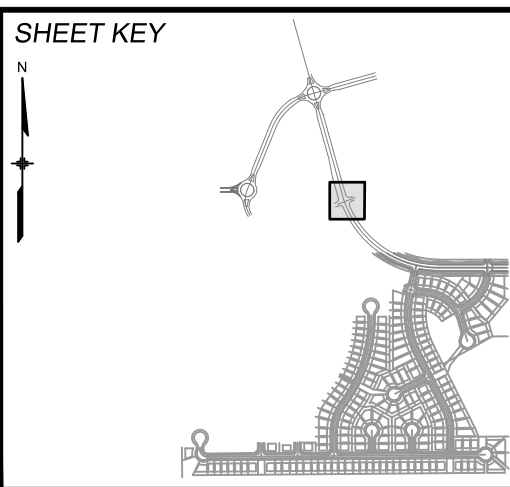


MOOSE MEADOW NE FLOWLINE  
PROFILE  
HORIZ: 1" = 40'  
VERT: 1" = 8'

LINE TABLE		
LINE #	BEARING	DISTANCE
L19	N69°43'14"E	5.52
L21	S15°46'20"E	23.51
L22	N69°45'39"E	50.51

CURVE TABLE			
CURVE #	ARC LENGTH	RADIUS	ANGLE
C15	37.80	25.00	86°37'59"
C16	40.98	25.00	93°54'44"

REFERENCE DRAWINGS			
No.	DATE	DESCRIPTION	BY
COMPUTER FILE MANAGEMENT			
FILE NAME: S:\19.886.011 (Trails at Aspen Ridge - F1)\100 Dwg\104 Plan Sets\Construction Plans\Road & Storm Plans\RD01-Legacy Road.dwg			
CTB FILE: ---			
PLOT DATE: July 2, 2019 1:22:21 PM			
THIS DRAWING IS CURRENT AS OF PLOT DATE AND MAY BE SUBJECT TO CHANGE.			



BENCHMARK  
COLORADO SPRINGS UTILITIES (FIMS) MONUMENT F206  
A BERNTSEN TOP SECURITY MONUMENT SYSTEM WITH A 3.5-INCH DIAMETER ALUMINUM CAP IN A ROAD BOX, LOCATED ON THE NORTHWEST CORNER OF FONTAINE BOULEVARD AND POWERS BOULEVARD.  
ELEVATION - 5897.89' U.S. SURVEY FT

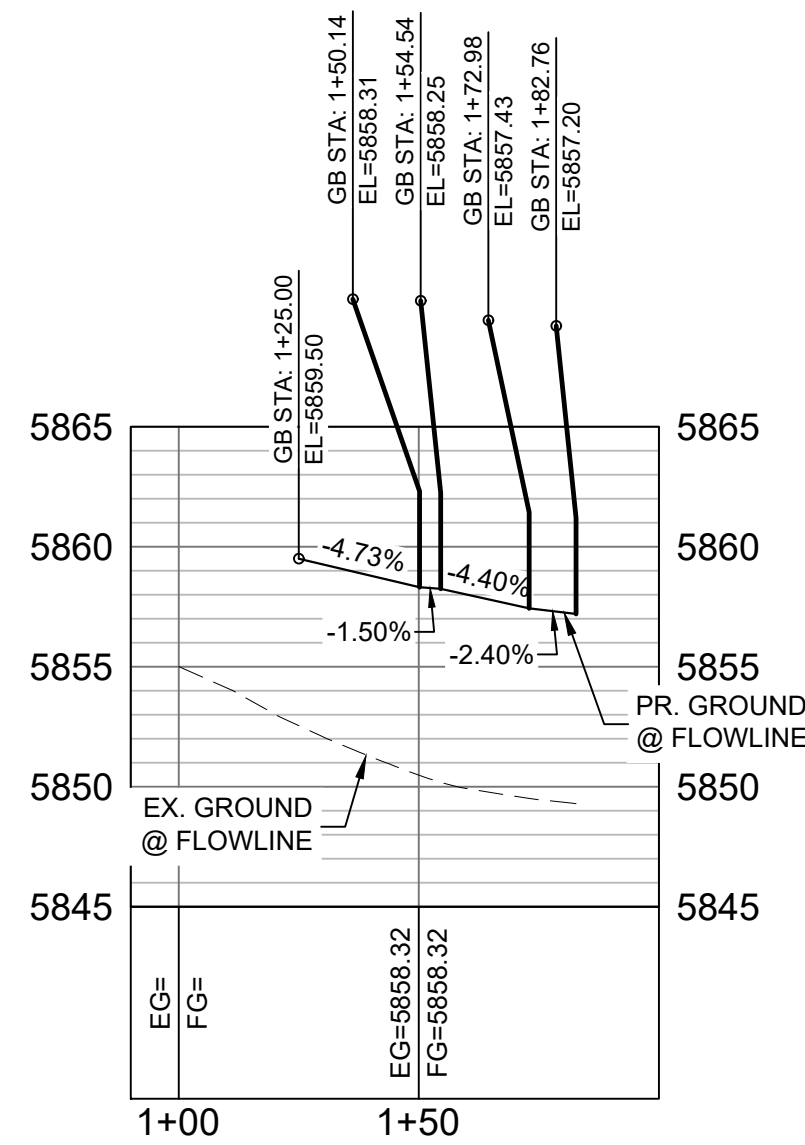
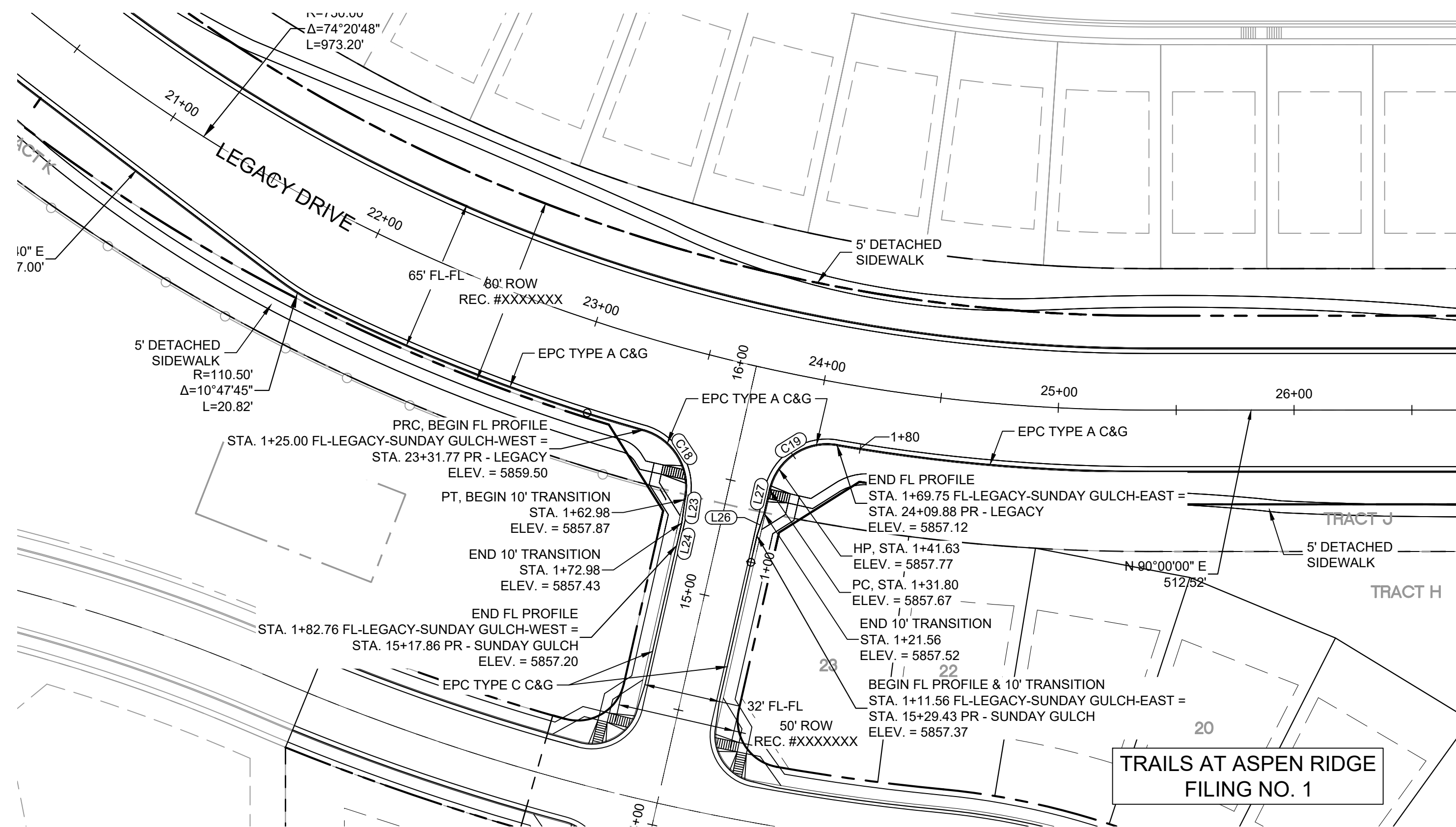
BASIS OF BEARING  
BEARINGS ARE BASED ON THE NORTH LINE OF THE NORTHWEST QUARTER OF SECTION 9, TOWNSHIP 15 SOUTH, RANGE 65 WEST OF THE 6TH P.M. SAID LINE BEARS S89°51'23"E FROM THE NORTHWEST CORNER OF SAID SECTION 9 (2 1/2' AULM. CAP PLS 17664) TO THE N 1/4 CORNER OF SAID SECTION 9 (3 1/2' AULM. CAP PLS 10377)



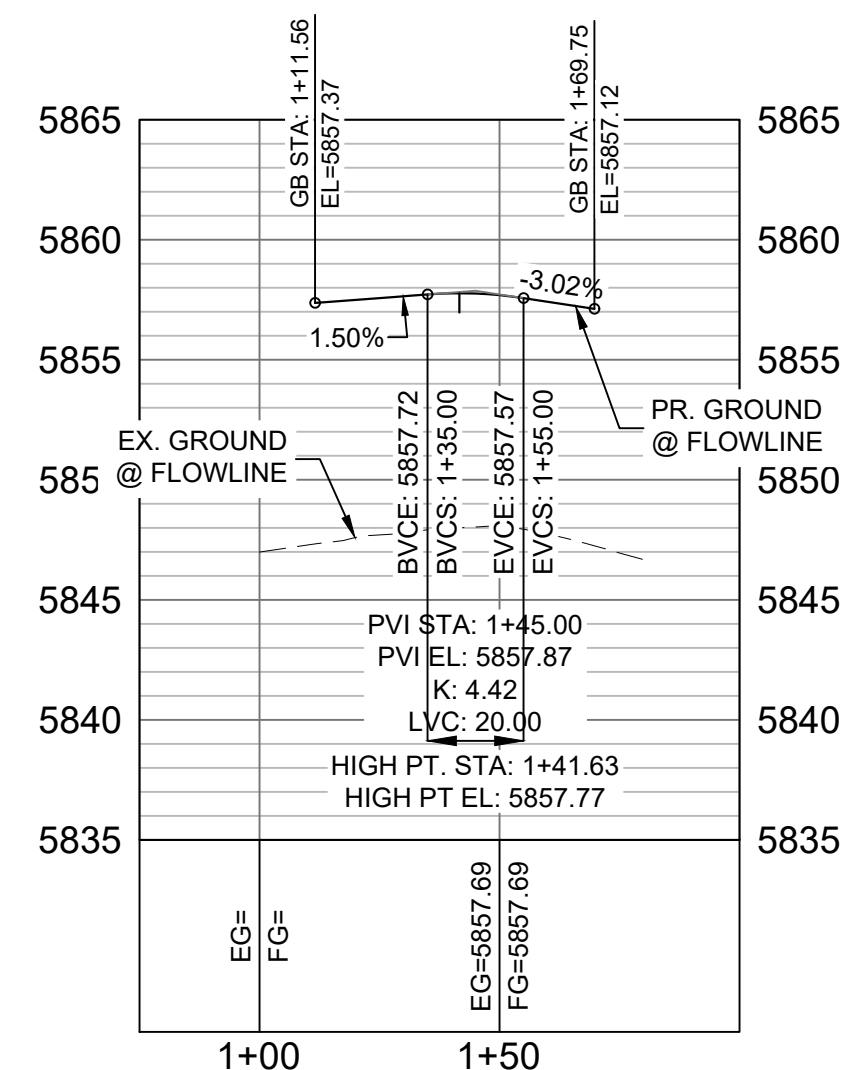
SEAL	
<b>PRELIMINARY</b> THIS DRAWING HAS NOT BEEN APPROVED BY GOVERNING AGENCIES AND IS SUBJECT TO CHANGE	
FOR AND ON BEHALF OF MATRIX DESIGN GROUP, INC. PROJECT No. 19.886.011	

TRAILS AT ASPEN RIDGE			
FILING NO. 1 ROADWAY & STORM IMPROVEMENT PLANS			
CURB RETURN DETAILS LEGACY DRIVE & MOOSE MEADOW DRIVE			
DESIGNED BY: NMS	SCALE: 1" = 40'	DATE ISSUED: JUNE, 2019	DRAWING No. RD01-1
CHUBB RETURN DETAIL	VERT. 1" = 8'	SHEET 3 OF 50	



Know what's below.  
Call before you dig.

SUNDAY GULCH SW FLOWLINE PROFILE

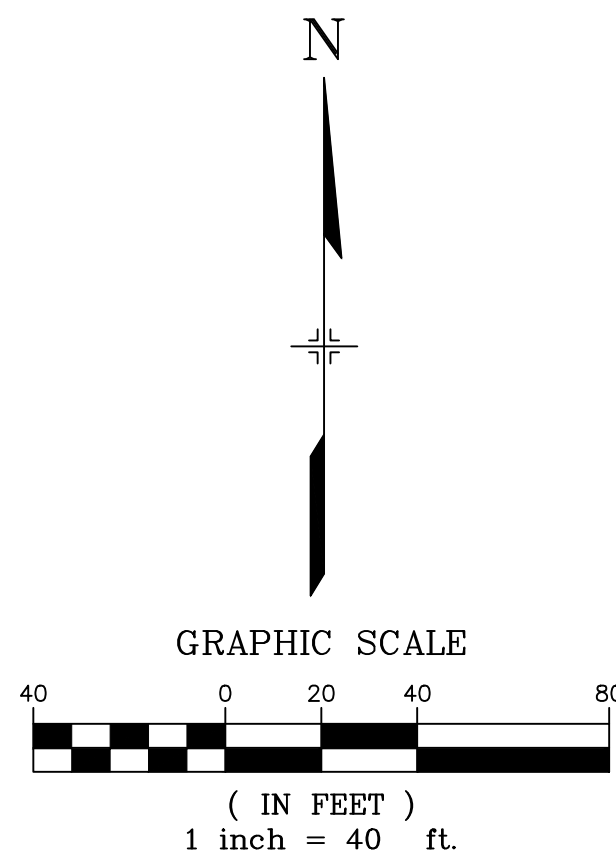
HORIZ: 1" = 40'  
VERT: 1" = 8'

SUNDAY GULCH SE FLOWLINE PROFILE

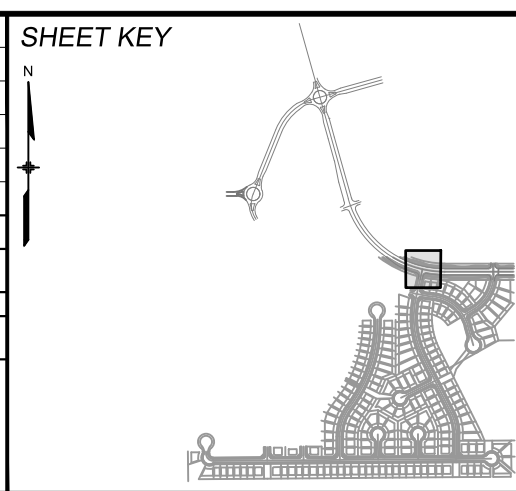
HORIZ: 1" = 40'  
VERT: 1" = 8'

LINE TABLE		
LINE #	BEARING	DISTANCE
L23	S08°00'56"W	10.00
L24	S12°47'44"W	9.78
L26	N17°34'33"E	10.00
L27	N12°47'44"E	10.23

CURVE TABLE			
CURVE #	ARC LENGTH	RADIUS	ANGLE
C18	37.98	25.00	87°02'20"
C19	37.96	25.00	86°59'40"



REFERENCE DRAWINGS			
No.	DATE	DESCRIPTION	BY
COMPUTER FILE MANAGEMENT			
FILE NAME: S:\19.886.011 (Trails at Aspen Ridge - F1)\100 Dwg\104 Plan Sets\Construction Plans\Road & Storm Plans\RD01-Legacy Road.dwg			
CTB FILE: ----			
PLOT DATE: July 2, 2019 1:22:33 PM			
THIS DRAWING IS CURRENT AS OF PLOT DATE AND MAY BE SUBJECT TO CHANGE.			



**BENCHMARK**  
COLORADO SPRINGS UTILITIES (FIMS) MONUMENT F206  
A BERNTSEN TOP SECURITY MONUMENT SYSTEM WITH A 3.5-INCH DIAMETER ALUMINUM CAP IN A ROAD BOX, LOCATED ON THE NORTHWEST CORNER OF FONTAINE BOULEVARD AND POWERS BOULEVARD.  
ELEVATION - 5897.89' U.S. SURVEY FT

**BASIS OF BEARING**  
BEARINGS ARE BASED ON THE NORTH LINE OF THE NORTHWEST QUARTER OF SECTION 9, TOWNSHIP 15 SOUTH, RANGE 65 WEST OF THE 6TH P.M. SAID LINE BEARS S89°51'23"E FROM THE NORTHWEST CORNER OF SAID SECTION 9 (2 1/2' AULM. CAP PLS 17664) TO THE N 1/4 CORNER OF SAID SECTION 9 (3 1/4' AULM. CAP PLS 10377)

PREPARED BY:

**Matrix**  
DESIGN GROUP

SEAL

**PRELIMINARY**  
THIS DRAWING HAS NOT  
BEEN APPROVED BY  
GOVERNING AGENCIES AND  
IS SUBJECT TO CHANGE

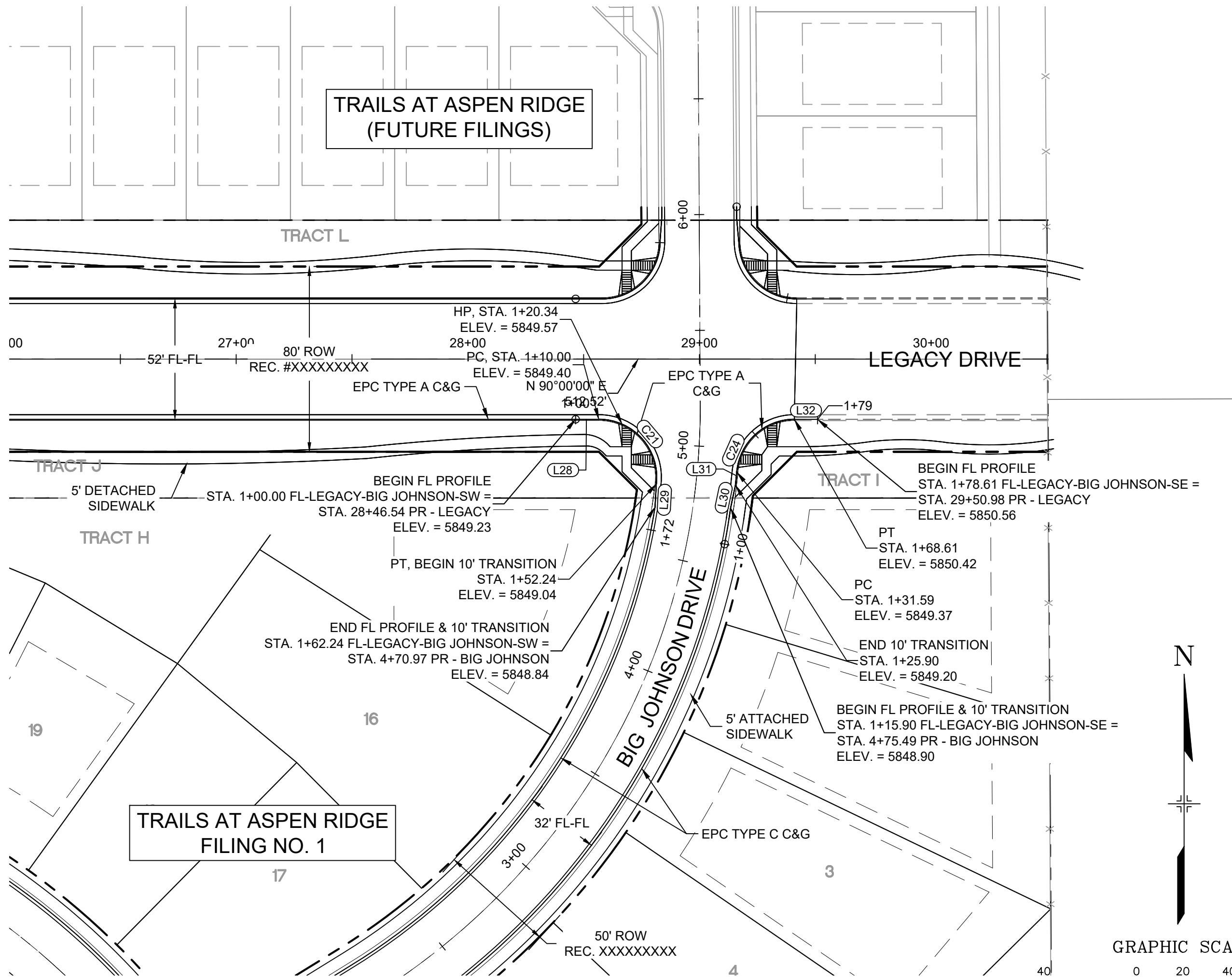
FOR AND ON BEHALF OF  
MATRIX DESIGN GROUP, INC.  
PROJECT No. 19.886.011

DESIGNED BY: NMS	SCALE	DATE ISSUED: JULY, 2019	DRAWING No.
DRAWN BY: AAL	HORIZ 1" = 40'		RD06-L
CHECKED BY: NMS	VERT. 1" = 8'	SHEET 12 OF 71	

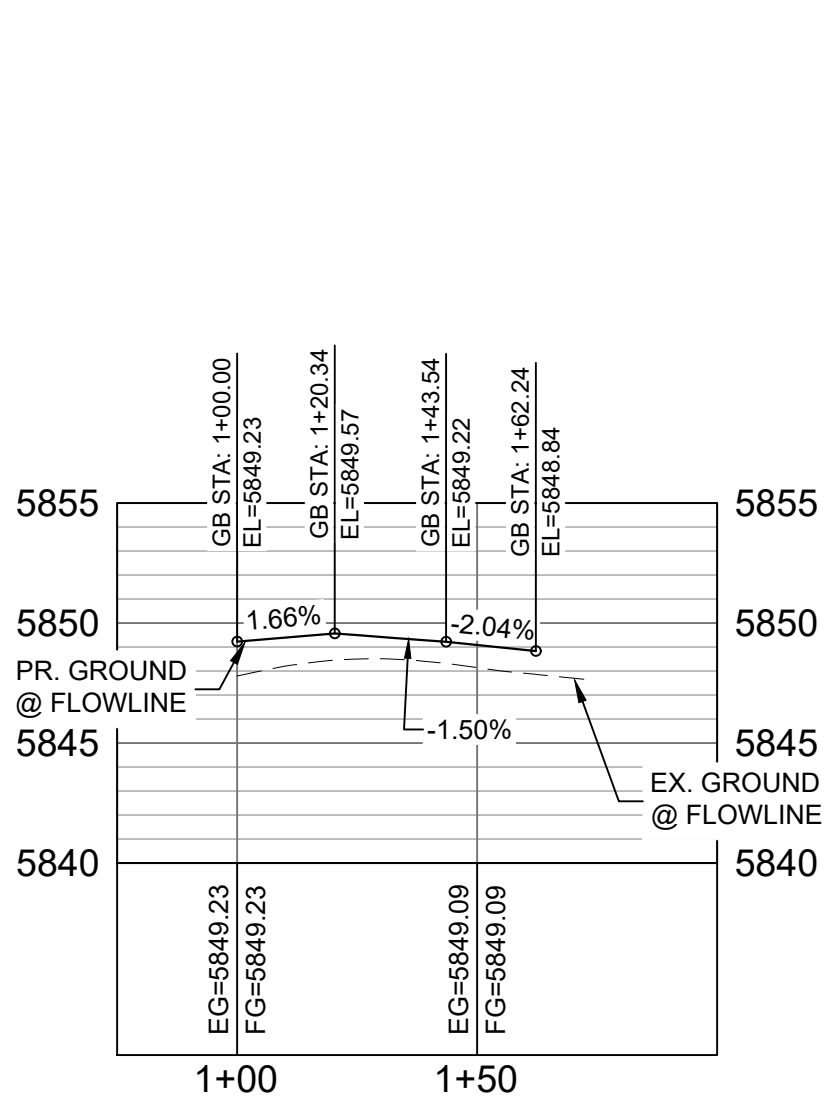
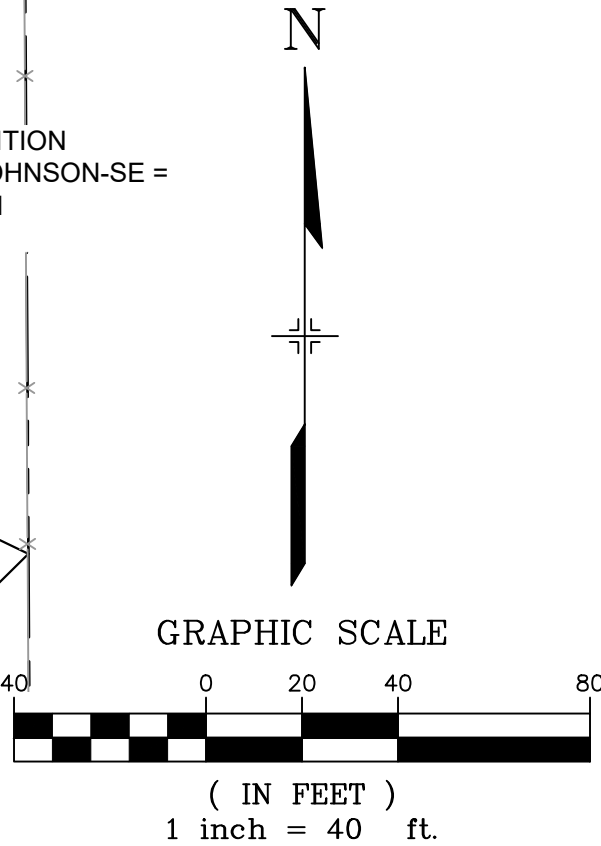
## TRAILS AT ASPEN RIDGE

FILING NO. 1  
ROADWAY & STORM IMPROVEMENT PLANSCURB RETURN DETAILS  
LEGACY DRIVE & SUNDAY GULCH DRIVE

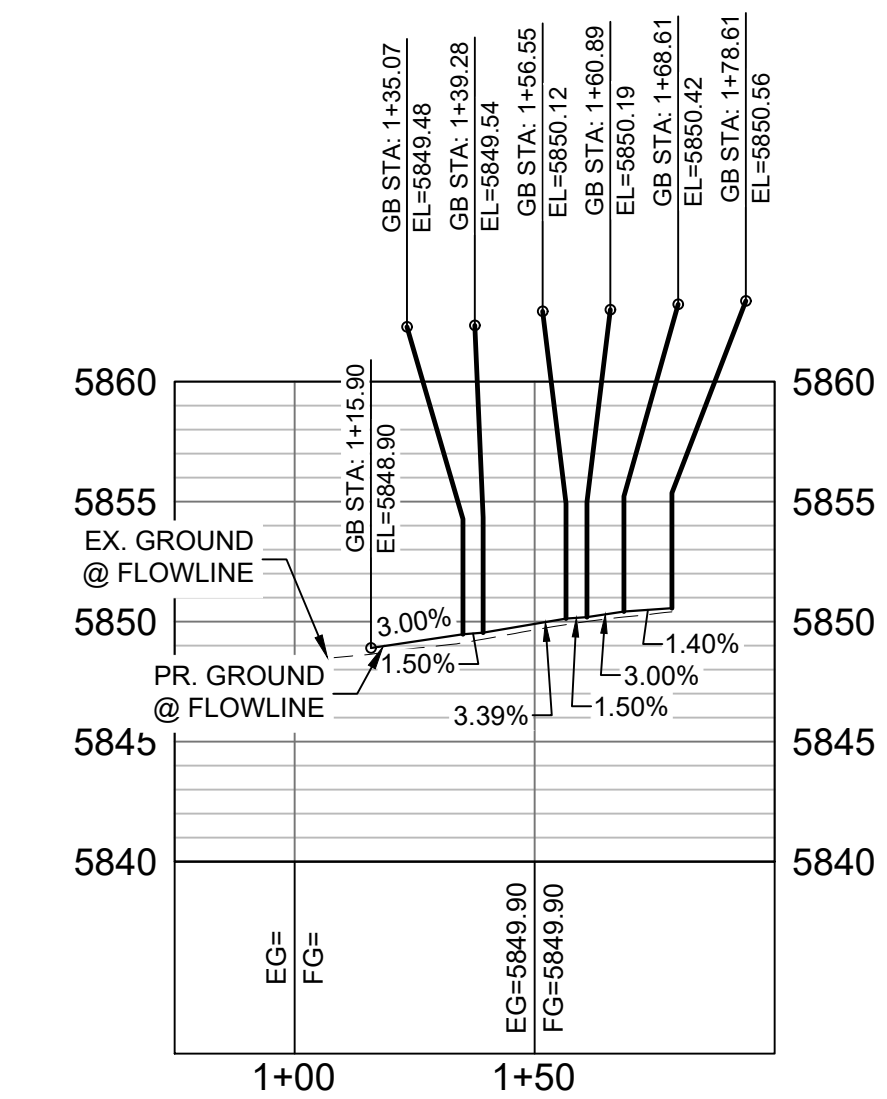




TRAILS AT ASPEN RIDGE  
FILING NO. 1



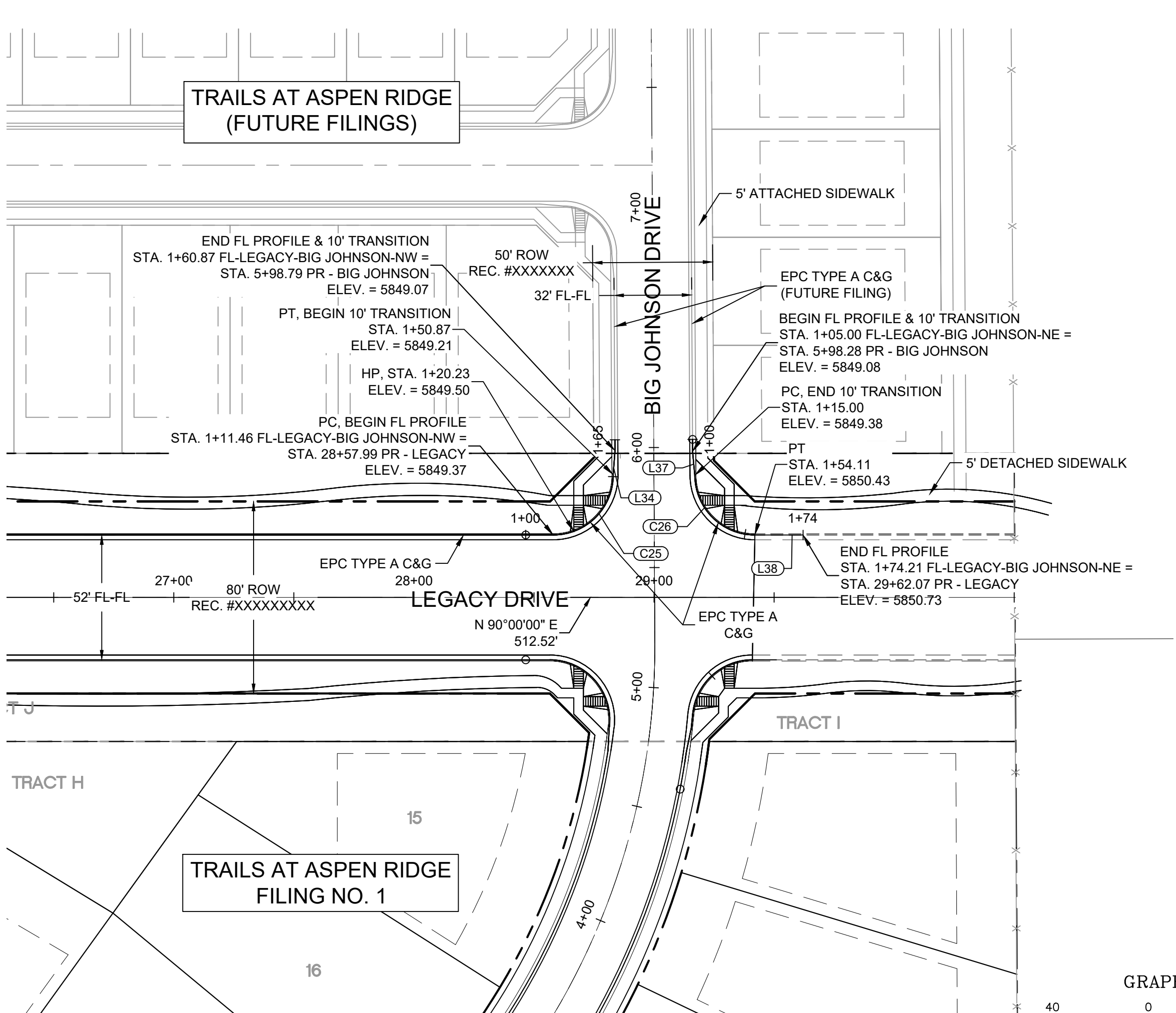
BIG JOHNSON SW FLOWLINE PROFILE  
HORIZ: 1" = 40'  
VERT: 1" = 8'



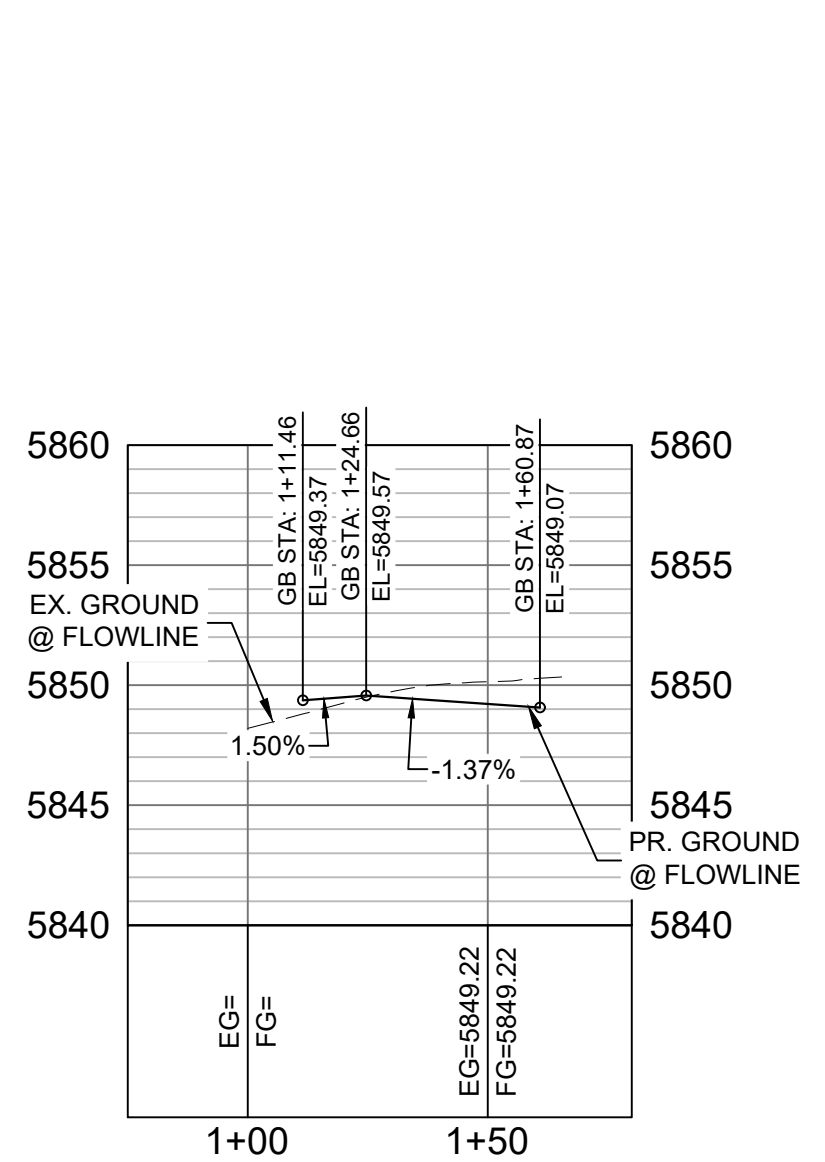
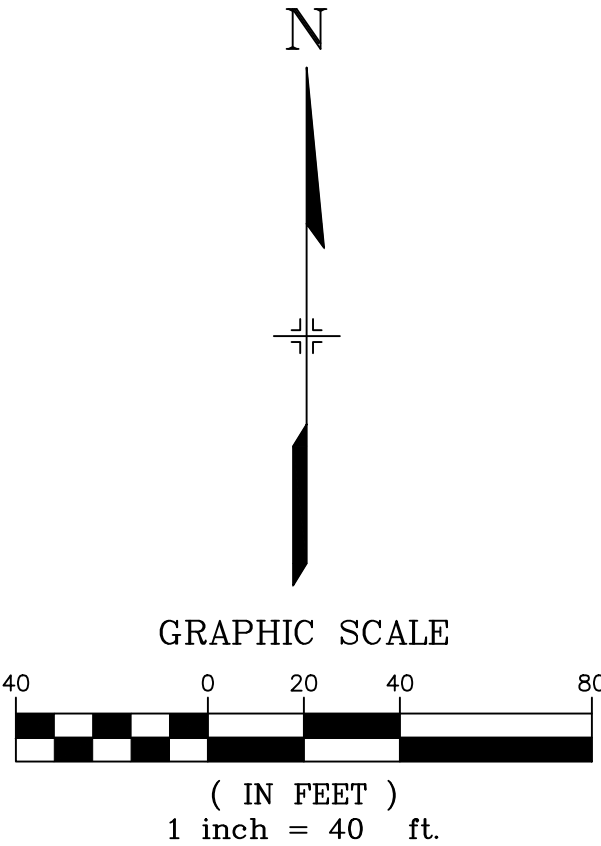
BIG JOHNSON SE FLOWLINE PROFILE  
HORIZ: 1" = 40'  
VERT: 1" = 8'

LINE TABLE		
LINE #	BEARING	DISTANCE
L28	N90°00'00"E	10.00
L29	S03°07'44"W	10.00
L30	N11°49'49"E	10.00
L31	N05°39'16"E	5.68
L32	N90°00'00"E	10.00

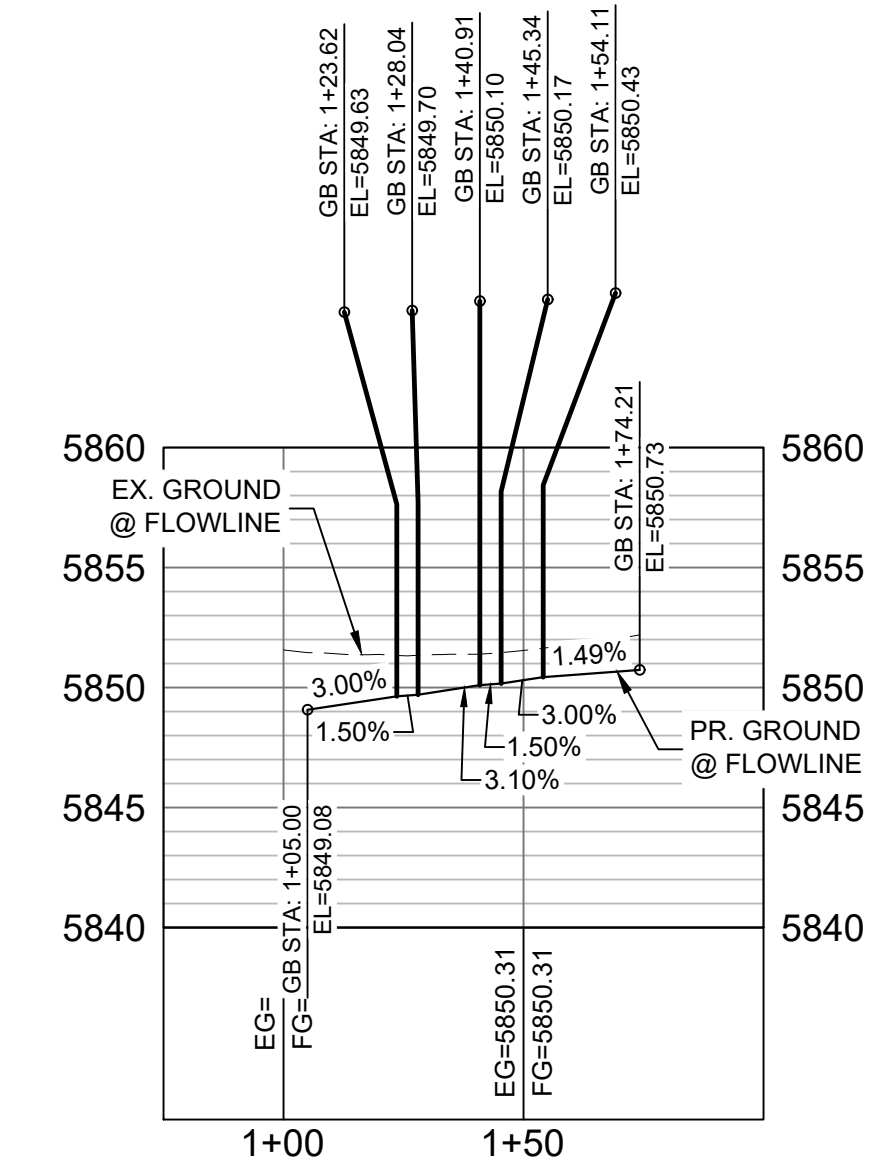
CURVE TABLE			
CURVE #	ARC LENGTH	RADIUS	ANGLE
C21	42.24	25.00	96°48'18"
C24	37.03	25.00	84°51'32"



TRAILS AT ASPEN RIDGE  
FILING NO. 1



BIG JOHNSON NW FLOWLINE PROFILE  
HORIZ: 1" = 40'  
VERT: 1" = 8'

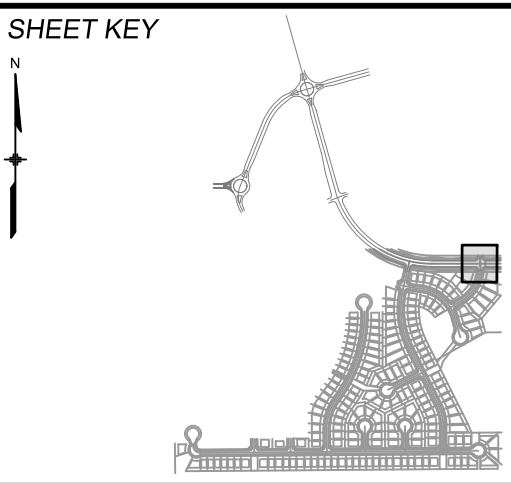


BIG JOHNSON NE FLOWLINE PROFILE  
HORIZ: 1" = 40'  
VERT: 1" = 8'

LINE TABLE		
LINE #	BEARING	DISTANCE
L34	N04°17'19"E	10.00
L37	S05°13'42"E	10.00
L38	N90°00'00"E	20.10

CURVE TABLE			
CURVE #	ARC LENGTH	RADIUS	ANGLE
C25	39.41	25.00	90°19'32"
C26	39.11	25.00	89°38'00"

REFERENCE DRAWINGS			
No.	DATE	DESCRIPTION	BY
COMPUTER FILE MANAGEMENT			
FILE NAME: S:\19.886.011 (Trails at Aspen Ridge - F1)\100 Dwg\104 Plan Sets\Construction Plans\Road & Storm Plans\RD01-Legacy Road.dwg			
CTB FILE: ---			
PLOT DATE: July 2, 2019 1:22:52 PM			
THIS DRAWING IS CURRENT AS OF PLOT DATE AND MAY BE SUBJECT TO CHANGE.			



BENCHMARK  
COLORADO SPRINGS UTILITIES (FIMS) MONUMENT F206  
A BERNTSEN TOP SECURITY MONUMENT SYSTEM WITH A 3.5-INCH DIAMETER ALUMINUM CAP IN A ROAD BOX, LOCATED ON THE NORTHWEST CORNER OF FONTAINE BOULEVARD AND POWERS BOULEVARD.  
ELEVATION - 5897.89' U.S. SURVEY FT

BASIS OF BEARING  
BEARINGS ARE BASED ON THE NORTH LINE OF THE NORTHWEST QUARTER OF SECTION 9, TOWNSHIP 15 SOUTH, RANGE 65 WEST OF THE 6TH P.M. SAID LINE BEARS S89°51'23"E FROM THE NORTHWEST CORNER OF SAID SECTION 9 (2 1/2' AULM. CAP PLS 17664) TO THE N 1/4 CORNER OF SAID SECTION 9 (3 1/2' AULM. CAP PLS 10377)



SEAL			
<b>PRELIMINARY</b> THIS DRAWING HAS NOT BEEN APPROVED BY GOVERNING AGENCIES AND IS SUBJECT TO CHANGE			
FOR AND ON BEHALF OF MATRIX DESIGN GROUP, INC. PROJECT No. 19.886.011			

TRAILS AT ASPEN RIDGE			
FILING NO. 1 ROADWAY & STORM IMPROVEMENT PLANS			
CURB RETURN DETAIL LEGACY DRIVE & BIG JOHNSON DRIVE			
DESIGNED BY: NMS	SCALE: HORIZ 1" = 40'	DATE ISSUED: JULY, 2019	DRAWING No. RD07-L
CHECKED BY: NMS	VERT. 1" = 8'	SHEET 13 OF 71	





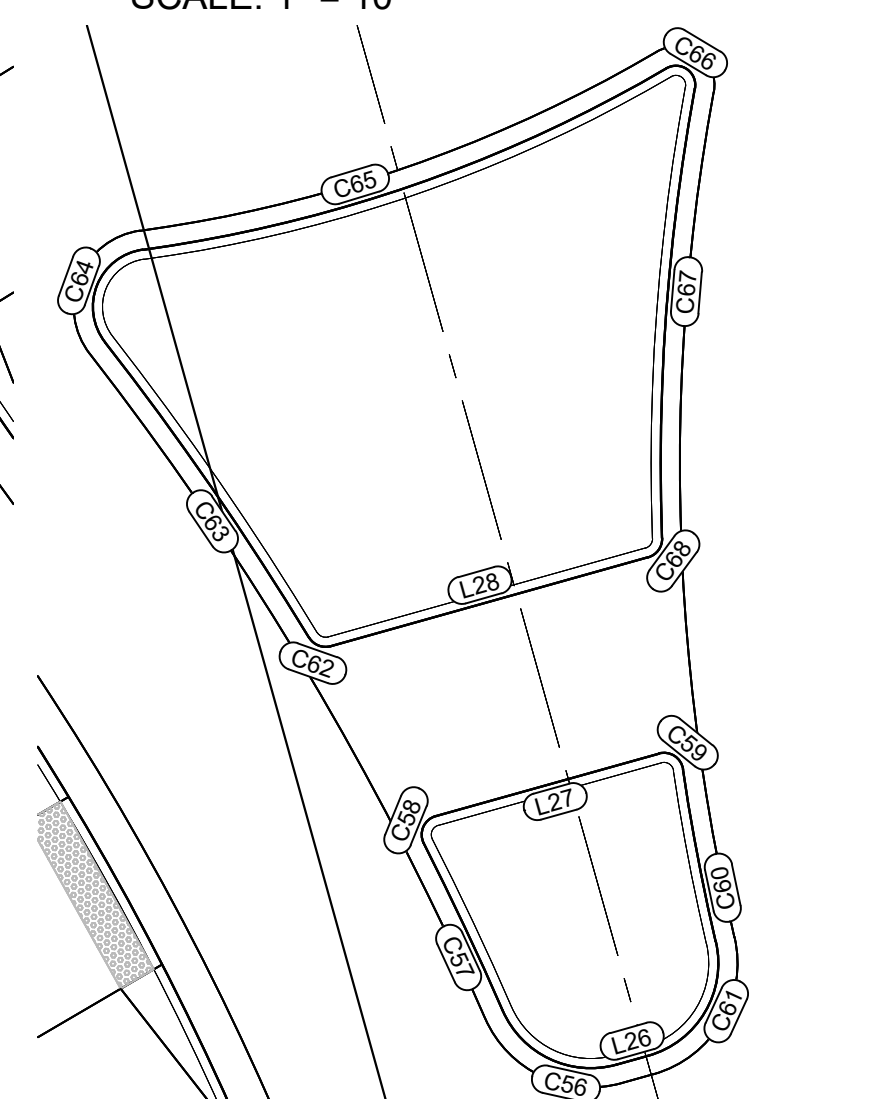
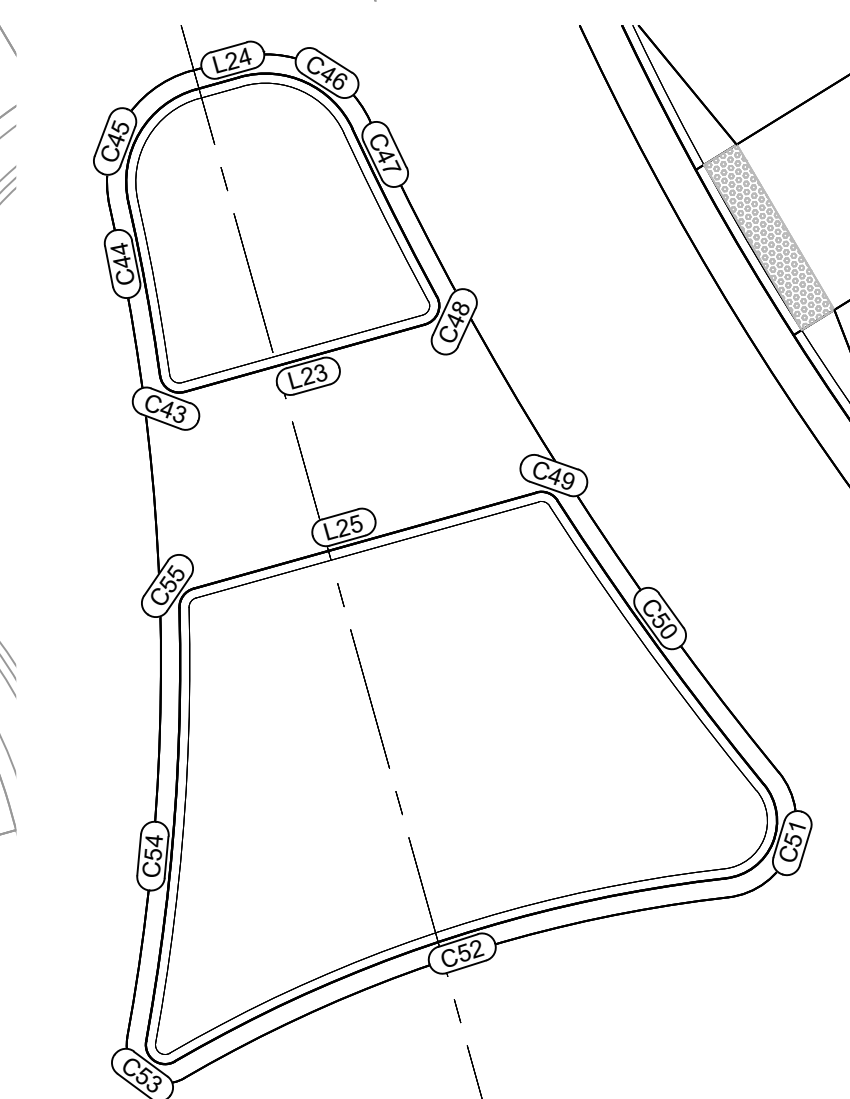
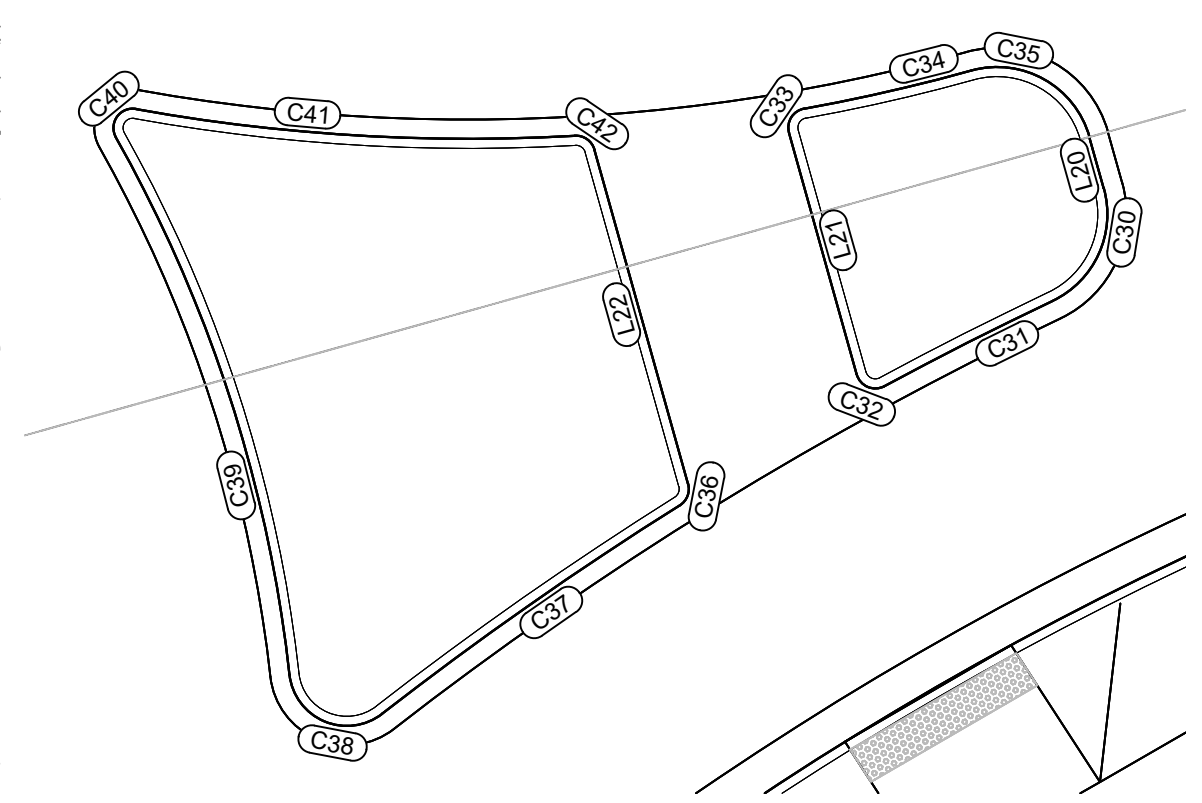
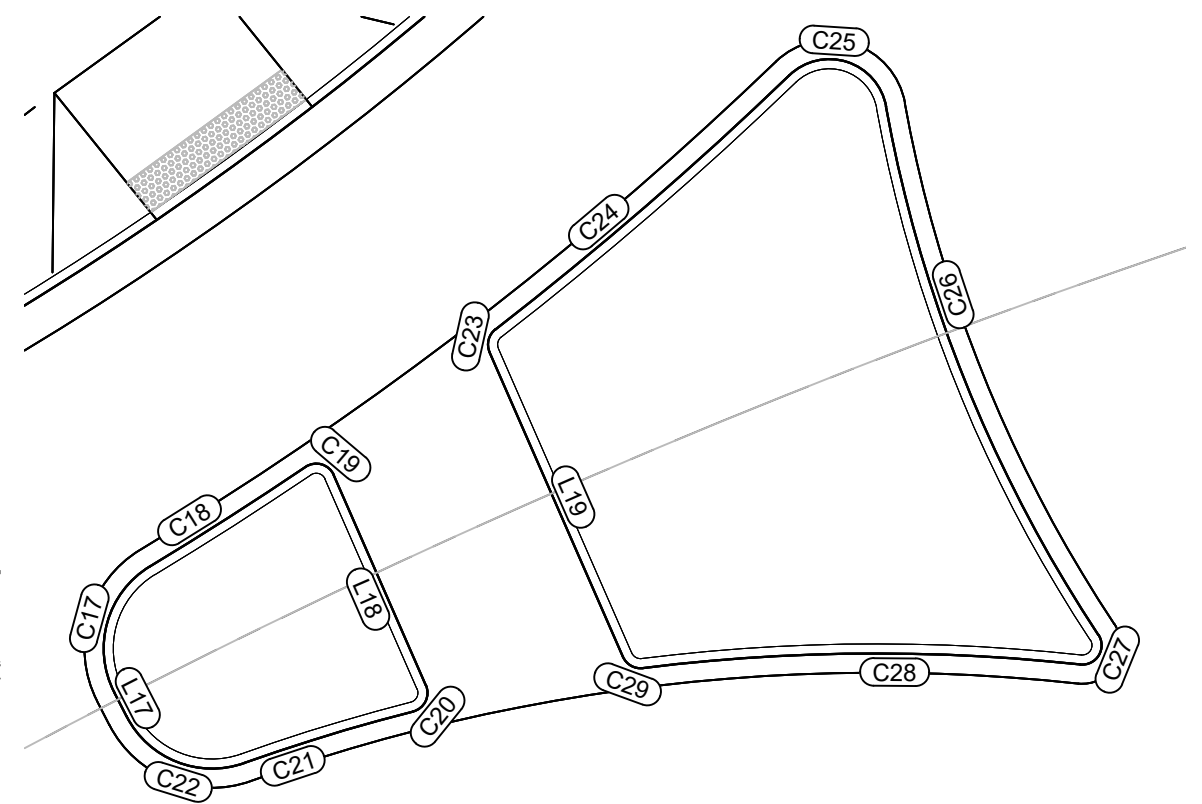
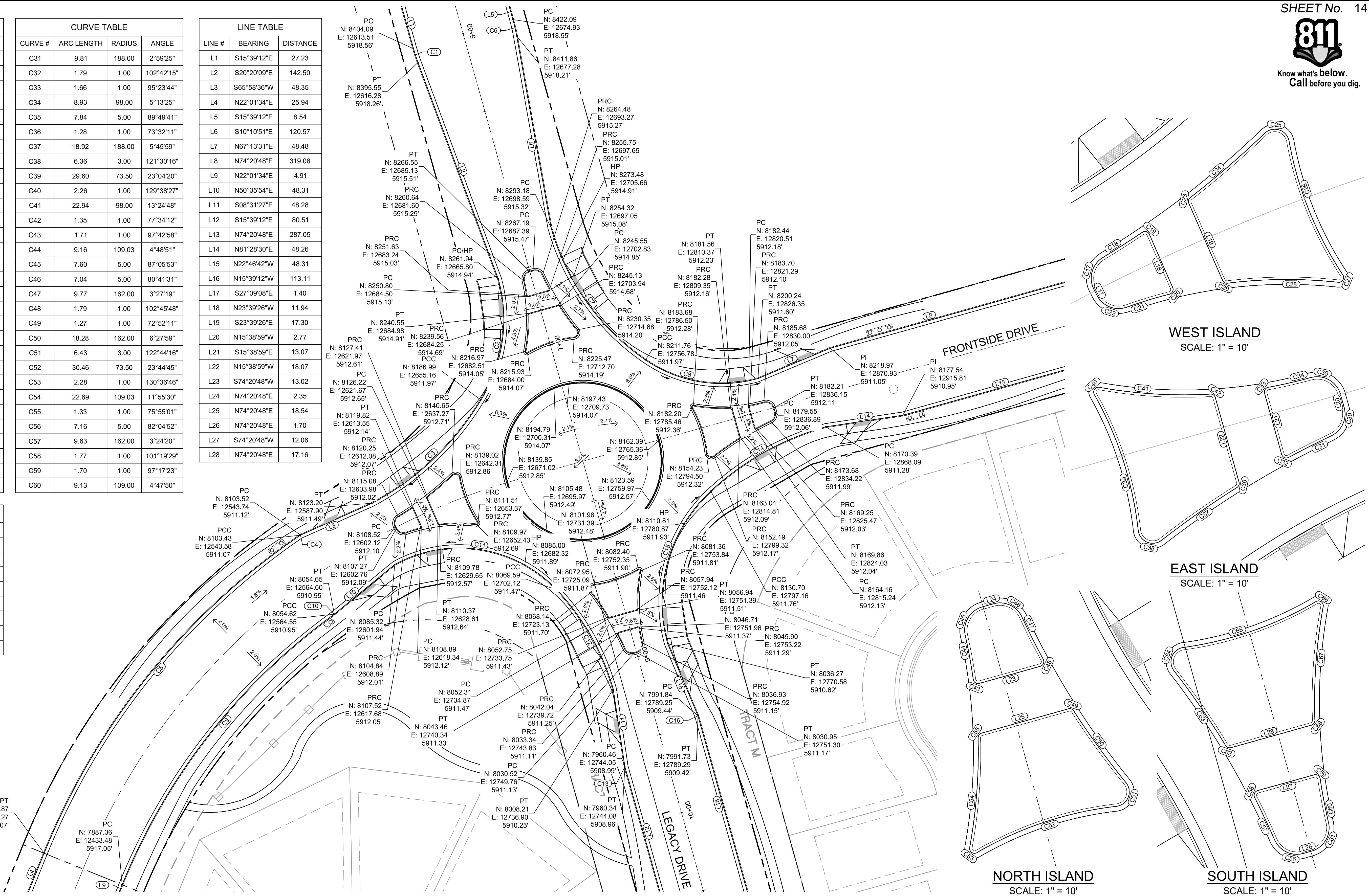
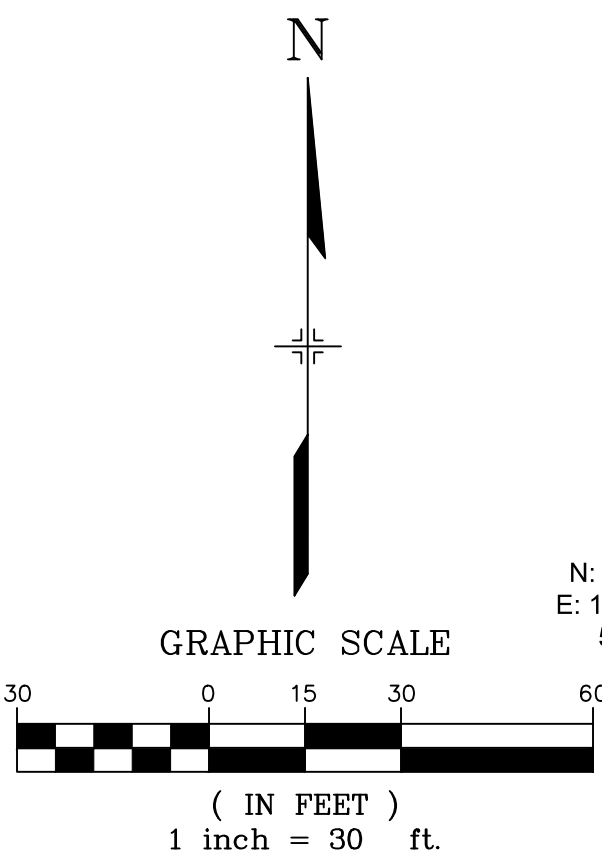
Know what's below.  
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CURVE TABLE			
CURVE #	ARC LENGTH	RADIUS	ANGLE
C1	8.99	110.00	4°40'50"
C2	77.90	94.03	47°28'05"
C3	93.85	173.00	31°04'51"
C4	0.18	1.00	10°17'57"
C5	256.05	435.88	33°39'27"
C6	10.51	110.00	5°28'21"
C7	102.12	147.00	39°48'14"
C8	72.71	83.00	50°11'34"
C9	215.31	383.88	32°08'07"
C10	0.06	1.00	3°33'22"
C11	109.10	83.00	75°18'40"
C12	71.24	147.00	27°46'02"
C13	0.12	1.00	7°07'45"
C14	82.04	173.00	27°10'12"
C15	103.09	94.00	62°50'01"
C16	0.12	1.00	7°07'30"
C17	7.51	5.00	86°02'01"
C18	9.61	188.00	2°55'40"
C19	1.75	1.00	100°23'21"
C20	1.73	1.00	99°23'07"
C21	9.19	98.00	5°22'18"
C22	7.20	5.00	82°29'29"
C23	1.32	1.00	75°53'16"
C24	20.24	188.00	6°10'08"
C25	6.48	3.00	123°40'20"
C26	29.85	73.50	23°16'15"
C27	2.26	1.00	129°44'29"
C28	22.83	98.00	13°20'43"
C29	1.28	1.00	73°29'02"
C30	7.01	5.00	80°17'10"

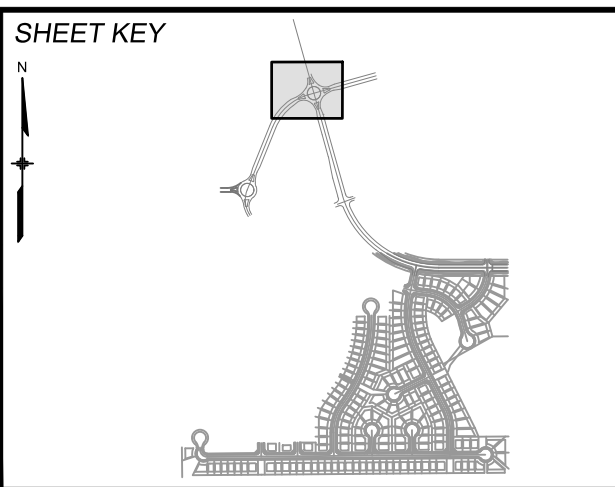
CURVE TABLE			
CURVE #	ARC LENGTH	RADIUS	ANGLE
C31	9.81	188.00	2°59'25"
C32	1.79	1.00	102°42'15"
C33	1.66	1.00	95°23'44"
C34	8.93	98.00	5°13'25"
C35	7.84	5.00	89°49'41"
C36	1.28	1.00	73°32'11"
C37	18.92	188.00	5°45'59"
C38	6.36	3.00	121°30'16"
C39	29.60	73.50	23°04'20"
C40	2.26	1.00	129°38'27"
C41	22.94	98.00	13°24'48"
C42	1.35	1.00	77°34'12"
C43	1.71	1.00	97°42'58"
C44	9.16	109.03	4°48'51"
C45	7.60	5.00	87°05'53"
C46	7.04	5.00	80°41'31"
C47	9.77	162.00	3°27'19"
C48	1.79	1.00	102°45'48"
C49	1.27	1.00	72°52'11"
C50	18.28	162.00	6°27'59"
C51	6.43	3.00	122°44'16"
C52	30.46	73.50	23°44'45"
C53	2.28	1.00	130°36'46"
C54	22.69	109.03	11°55'30"
C55	1.33	1.00	75°55'01"
C56	7.16	5.00	82°04'52"
C57	9.63	162.00	3°24'20"
C58	1.77	1.00	101°19'29"
C59	1.70	1.00	97°17'23"
C60	9.13	109.00	4°47'50"

LINE TABLE		
LINE #	BEARING	DISTANCE
L1	S15°39'12"E	27.23
L2	S20°20'09"E	142.50
L3	S65°58'36"W	48.35
L4	N22°01'34"E	25.94
L5	S15°39'12"E	8.54
L6	S10°10'51"E	120.57
L7	N67°13'31"E	48.48
L8	N74°20'48"E	319.08
L9	N22°01'34"E	4.91
L10	N50°35'54"E	48.31
L11	S08°31'27"E	48.28
L12	S15°39'12"E	80.51
L13	N74°20'48"E	287.05
L14	N81°28'30"E	48.26
L15	N22°46'42"W	48.31
L16	N15°39'12"W	113.11
L17	S27°09'08"E	1.40
L18	N23°39'26"W	11.94
L19	S23°39'26"E	17.30
L20	N15°38'59"W	2.77
L21	S15°38'59"E	13.07
L22	N15°38'59"W	18.07
L23	S74°20'48"W	13.02
L24	N74°20'48"E	2.35
L25	N74°20'48"E	18.54
L26	N74°20'48"E	1.70
L27	S74°20'48"W	12.06
L28	N74°20'48"E	17.16

CURVE TABLE			
CURVE #	ARC LENGTH	RADIUS	ANGLE
C61	7.64	5.00	87°30'27"
C62	1.30	1.00	74°20'11"
C63	18.70	162.00	6°36'54"
C64	6.29	3.00	120°08'25"
C65	29.04	73.50	22°38'09"
C66	2.28	1.00	130°47'23"
C67	23.53	109.00	12°21'57"
C68	1.33	1.00	76°21'02"



REFERENCE DRAWINGS			
No.	DATE	DESCRIPTION	BY
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CTB FILE: ---			
PLOT DATE: July 2, 2019 1:26:56 PM			
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**BENCHMARK**  
COLORADO SPRINGS UTILITIES (FIMS) MONUMENT F206  
A BERNTSEN TOP SECURITY MONUMENT SYSTEM WITH A 3.5-INCH DIAMETER ALUMINUM CAP IN A ROAD BOX, LOCATED ON THE NORTHWEST CORNER OF FONTAINE BOULEVARD AND POWERS BOULEVARD.  
ELEVATION - 5897.89' U.S. SURVEY FT

**BASIS OF BEARING**  
BEARINGS ARE BASED ON THE NORTH LINE OF THE NORTHWEST QUARTER OF SECTION 9, TOWNSHIP 15 SOUTH, RANGE 65 WEST OF THE 6TH P.M. SAID LINE BEARS S89°51'23"E FROM THE NORTHWEST CORNER OF SAID SECTION 9 (2 1/2' AULM. CAP PLS 17664) TO THE N 1/4 CORNER OF SAID SECTION 9 (3 1/4' AULM. CAP PLS 10377)

PREPARED BY:

**Matrix**  
DESIGN GROUP

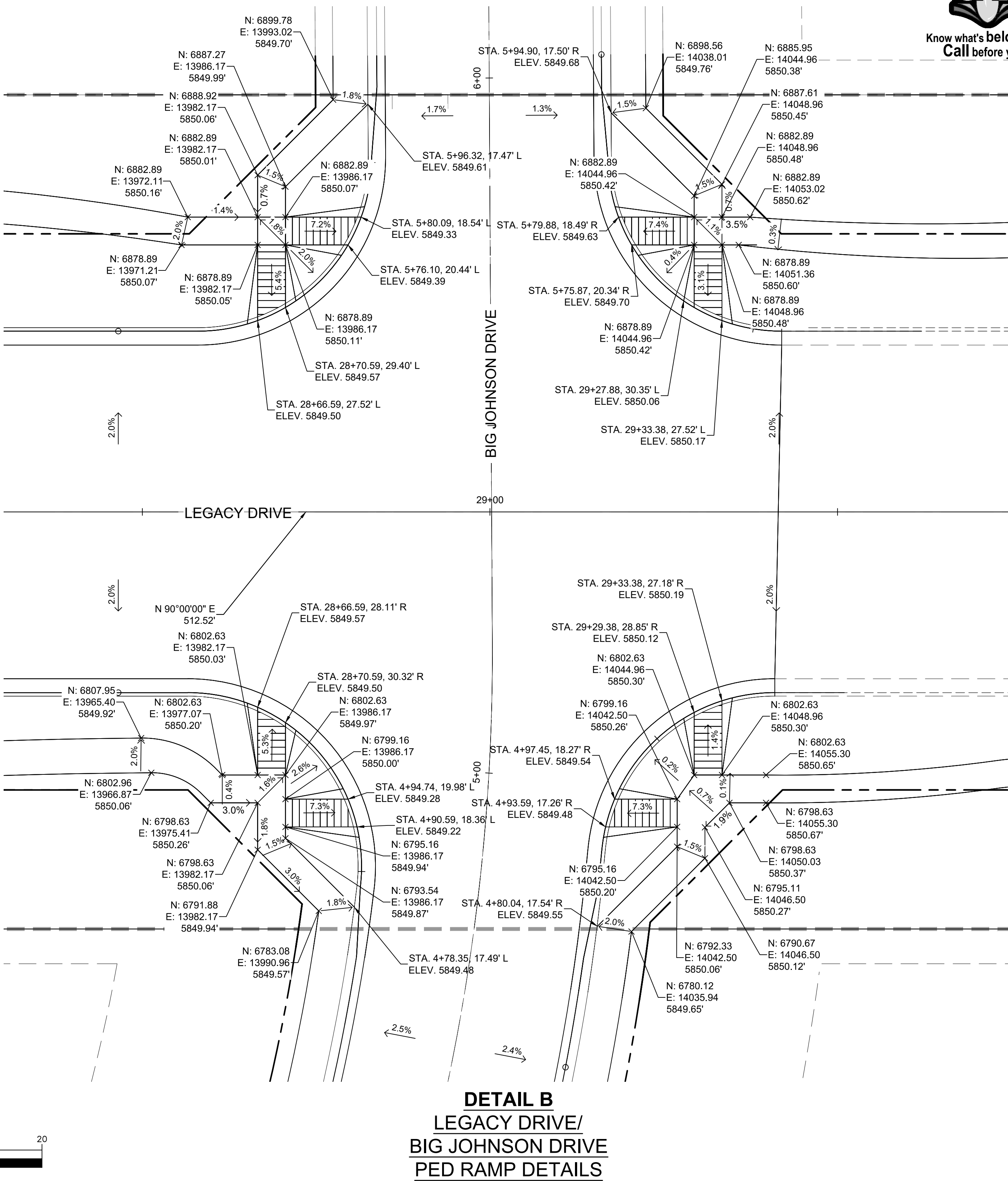
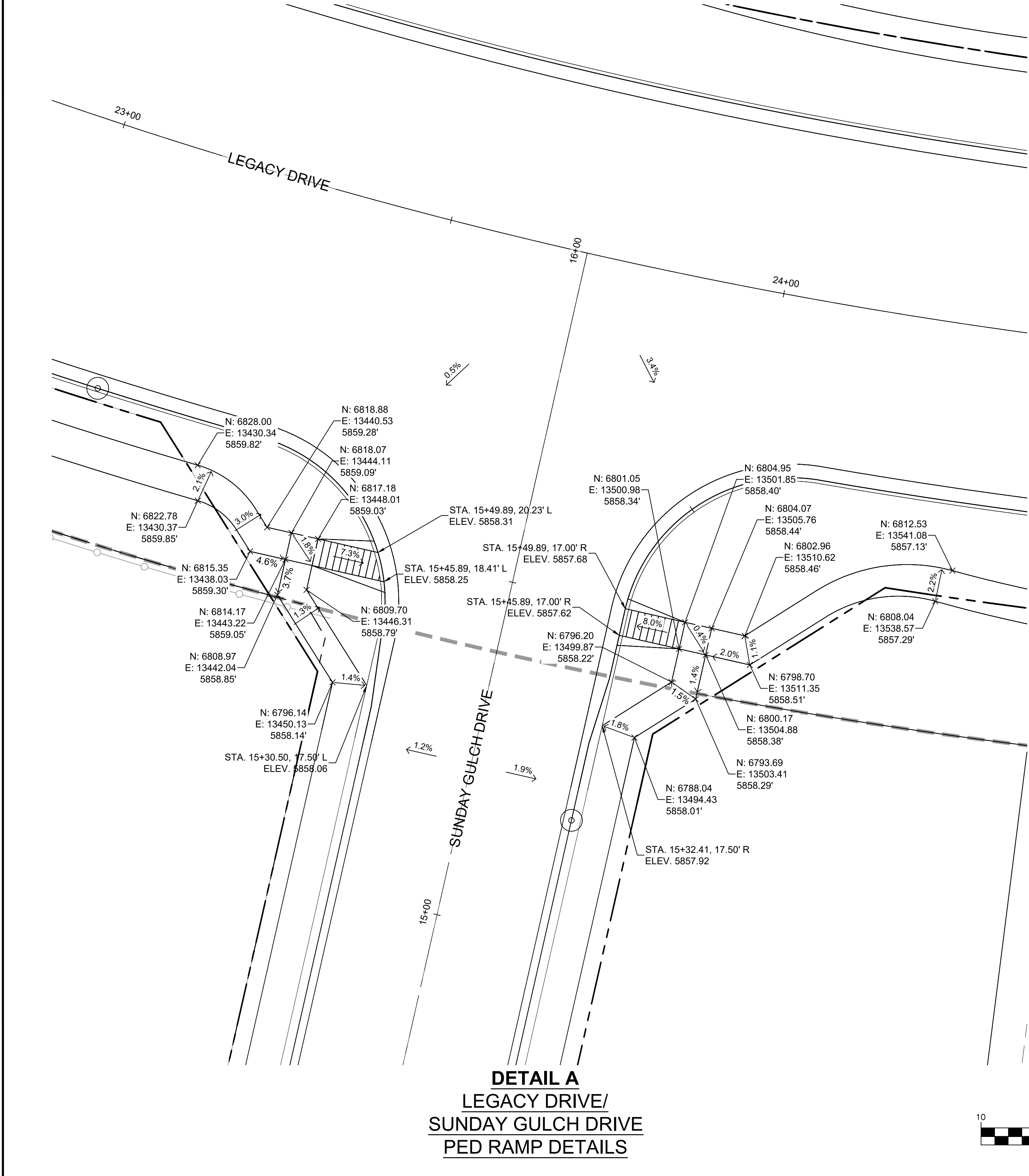
SEAL

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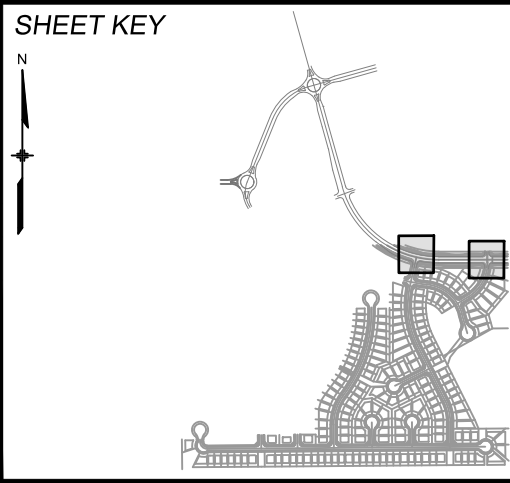
FOR AND ON BEHALF OF  
MATRIX DESIGN GROUP, INC.  
PROJECT No. 19.886.011

TRAILS AT ASPEN RIDGE			
FILING NO. 1 ROADWAY & STORM IMPROVEMENT PLANS			
LEGACY ROAD ROUNDABOUT DETAILS			
DESIGNED BY: NMS	SCALE: 1" = 20'	DATE ISSUED: JULY, 2019	DRAWING No.
CHECKED BY: NMS	VERT. N/A	SHEET 14 OF 71	RND01-L





REFERENCE DRAWINGS			
No.	DATE	DESCRIPTION	BY
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**BENCHMARK**  
COLORADO SPRINGS UTILITIES (FIMS) MONUMENT F206  
A BERNTSEN TOP SECURITY MONUMENT SYSTEM WITH A 3.5-INCH DIAMETER ALUMINUM CAP IN A ROAD BOX, LOCATED ON THE NORTHWEST CORNER OF FONTAINE BOULEVARD AND POWERS BOULEVARD.  
ELEVATION - 5897.89' U.S. SURVEY FT

**BASIS OF BEARING**  
BEARINGS ARE BASED ON THE NORTH LINE OF THE NORTHWEST QUARTER OF SECTION 9, TOWNSHIP 15 SOUTH, RANGE 65 WEST OF THE 6TH P.M. SAID LINE BEARS S89°51'23"E FROM THE NORTHWEST CORNER OF SAID SECTION 9 (2 1/2' AULM. CAP PLS 17664) TO THE N 1/4 CORNER OF SAID SECTION 9 (3 1/4' AULM. CAP PLS 10377)



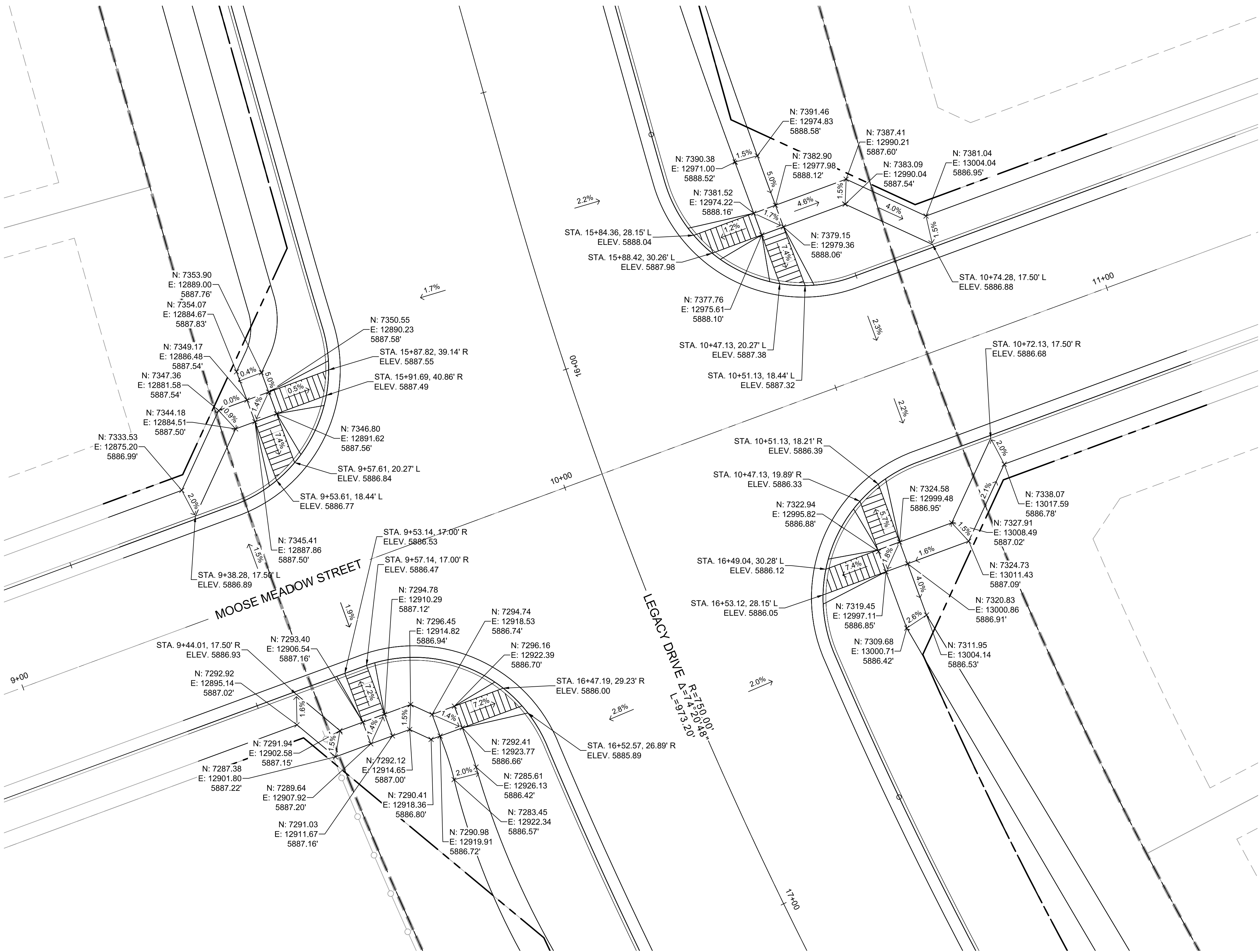
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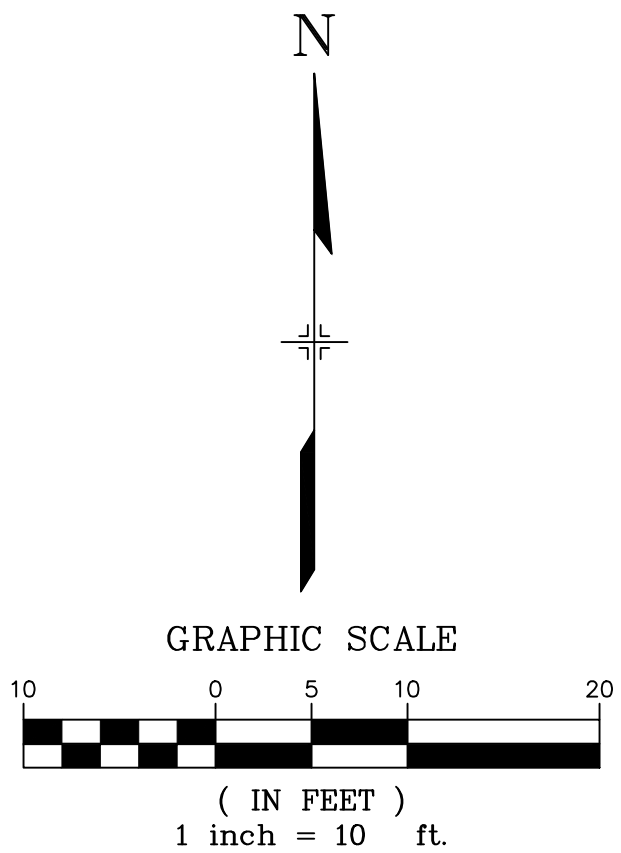
FOR AND ON BEHALF OF  
MATRIX DESIGN GROUP, INC.  
PROJECT No. 19.886.011

TRAILS AT ASPEN RIDGE			
FILING NO. 1 ROADWAY & STORM IMPROVEMENT PLANS			
INTERSECTION DETAIL SUNDAY GULCH DRIVE/BIG JOHNSON DRIVE			
DESIGNED BY: NMS	SCALE: HORIZ 1" = 10'	DATE ISSUED: JULY, 2019	DRAWING No. INT01-L
CHECKED BY: NMS	VERT. N/A	SHEET 15 OF 71	

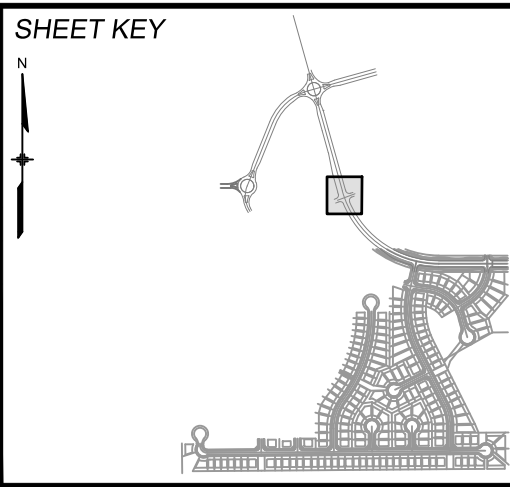




**DETAIL C**  
**LEGACY DRIVE/**  
**MOOSE MEADOW STREET**  
**PED RAMP DETAILS**



REFERENCE DRAWINGS			
No.	DATE	DESCRIPTION	BY
REVISIONS			
COMPUTER FILE MANAGEMENT			
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**BENCHMARK**  
COLORADO SPRINGS UTILITIES (FIMS) MONUMENT F206  
A BERNTSEN TOP SECURITY MONUMENT SYSTEM WITH A 3.5-INCH DIAMETER ALUMINUM CAP IN A ROAD BOX, LOCATED ON THE NORTHWEST CORNER OF FONTAINE BOULEVARD AND POWERS BOULEVARD.  
ELEVATION - 5897.89' U.S. SURVEY FT

**BASIS OF BEARING**  
BEARINGS ARE BASED ON THE NORTH LINE OF THE NORTHWEST QUARTER OF SECTION 9, TOWNSHIP 15 SOUTH, RANGE 65 WEST OF THE 6TH P.M. SAID LINE BEARS S89°51'23"E FROM THE NORTHWEST CORNER OF SAID SECTION 9 (2 1/2" AULM. CAP PLS 17664) TO THE N 1/4 CORNER OF SAID SECTION 9 (3 1/4" AULM. CAP PLS 10377)



**SEAL**

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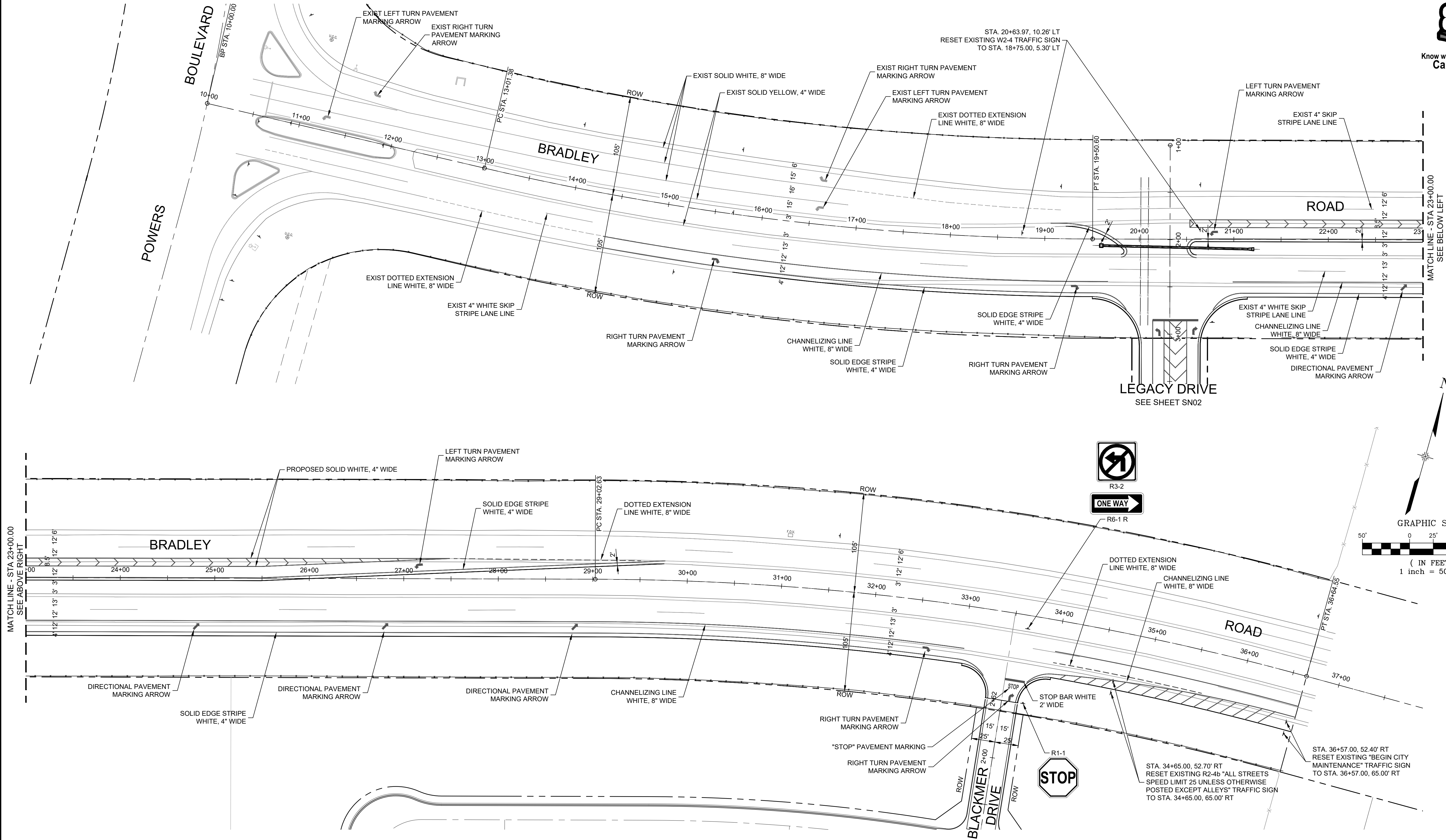
FOR AND ON BEHALF OF  
MATRIX DESIGN GROUP, INC.  
PROJECT No. 19.886.011

TRAILS AT ASPEN RIDGE			
FILING NO. 1 ROADWAY & STORM IMPROVEMENT PLANS			
INTERSECTION DETAIL MOOSE MEADOW DRIVE			
DESIGNED BY: NMS	SCALE: 1" = 10'	DATE ISSUED: JULY, 2019	DRAWING No.
CHECKED BY: NMS	VERT. N/A	SHEET 16 OF 71	INT02-L

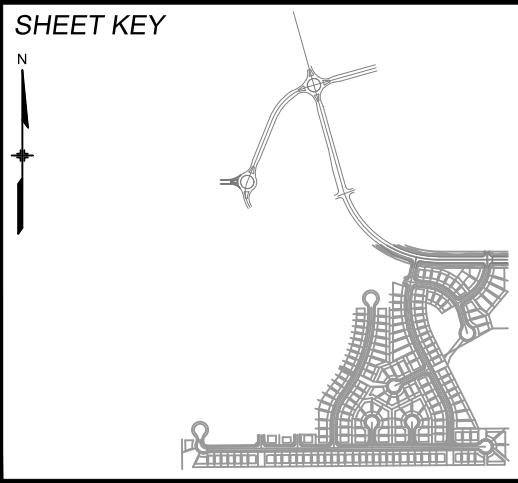




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**BENCHMARK**  
COLORADO SPRINGS UTILITIES (FIMS) MONUMENT F206  
A BERNTSEN TOP SECURITY MONUMENT SYSTEM WITH A 3.5-INCH DIAMETER ALUMINUM CAP IN A ROAD BOX, LOCATED ON THE NORTHWEST CORNER OF FONTAINE BOULEVARD AND POWERS BOULEVARD.  
ELEVATION - 5897.89' U.S. SURVEY FT

**BASIS OF BEARING**  
BEARINGS ARE BASED ON THE NORTH LINE OF THE NORTHWEST QUARTER OF SECTION 9, TOWNSHIP 15 SOUTH, RANGE 65 WEST OF THE 6TH P.M. SAID LINE BEARS S89°51'23"E FROM THE NORTHWEST CORNER OF SAID SECTION 9 (2 1/2" AULM. CAP PLS 17664) TO THE N 1/4 CORNER OF SAID SECTION 9 (3 1/4" AULM. CAP PLS 10377)



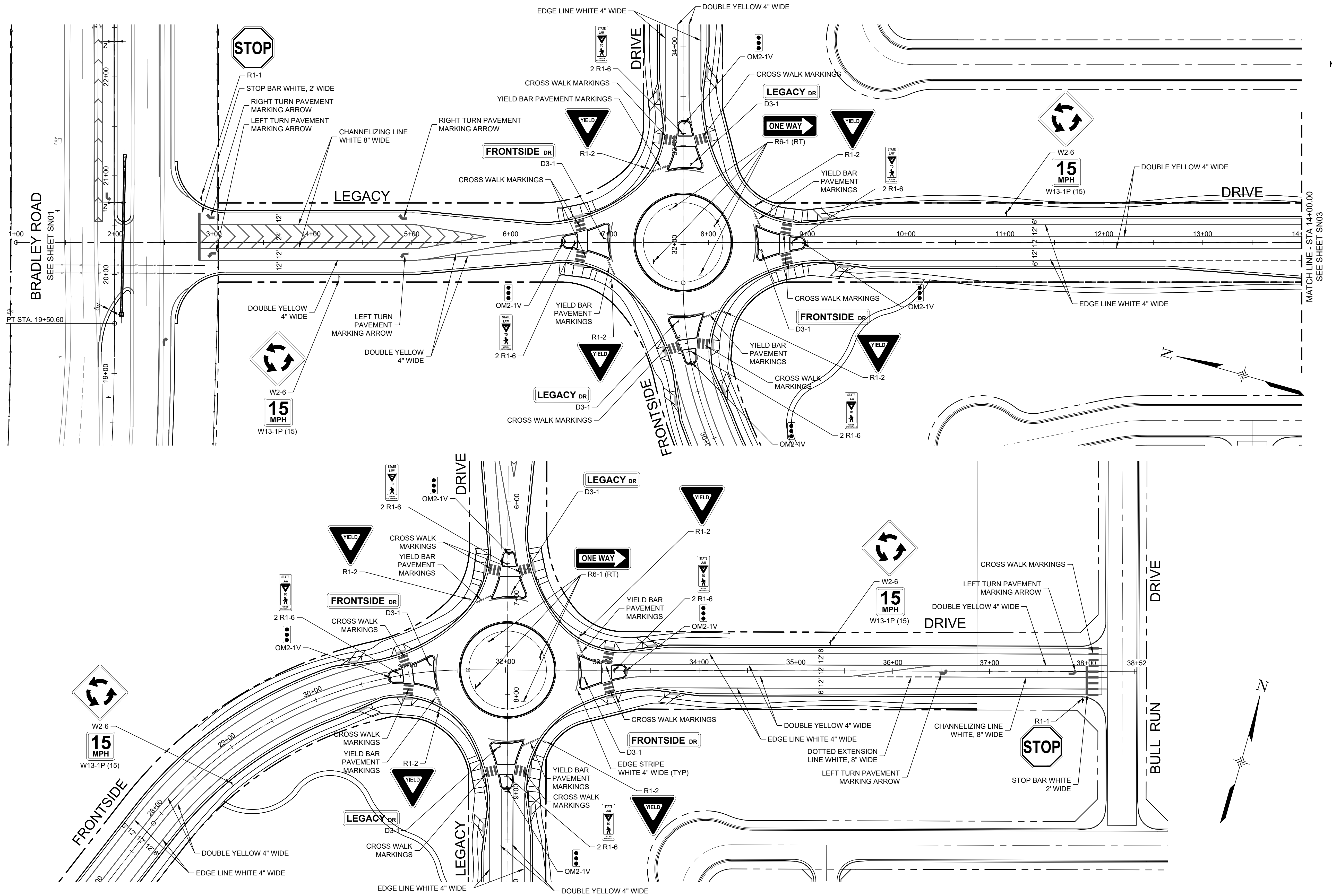
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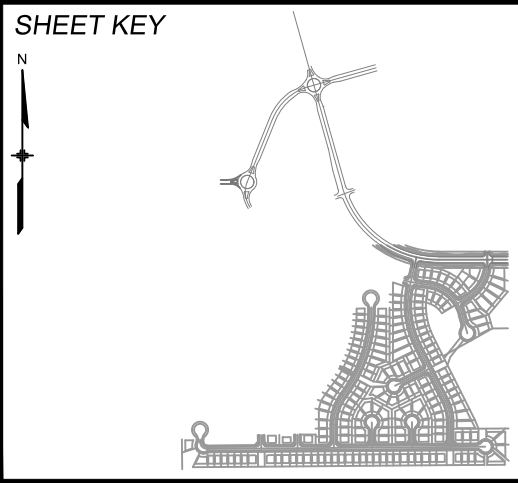
FOR AND ON BEHALF OF  
MATRIX DESIGN GROUP, INC.  
PROJECT No. 19.886.011

TRAILS AT ASPEN RIDGE			
FILING NO. 1 ROADWAY & STORM IMPROVEMENT PLANS			
BRADLEY ROAD SIGNING & STRIPING			
DESIGNED BY: NMS	SCALE: 1" = 50'	DATE ISSUED: JULY, 2019	DRAWING No.
DRAWN BY: TJC	HORIZ. N.A.	SHEET 17 OF 71	SN01-B
CHECKED BY: NMS	VERT. N.A.		





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No.	DATE	DESCRIPTION	BY
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PLOT DATE: July 2, 2019 1:28:49 PM			
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**BENCHMARK**  
COLORADO SPRINGS UTILITIES (FIMS) MONUMENT F206  
A BERNTSEN TOP SECURITY MONUMENT SYSTEM WITH A 3.5-INCH DIAMETER ALUMINUM CAP IN A ROAD BOX. LOCATED ON THE NORTHWEST CORNER OF FONTAINE BOULEVARD AND POWERS BOULEVARD.  
ELEVATION - 5897.89' U.S. SURVEY FT

**BASIS OF BEARING**  
BEARINGS ARE BASED ON THE NORTH LINE OF THE NORTHWEST QUARTER OF SECTION 9, TOWNSHIP 15 SOUTH, RANGE 65 WEST OF THE 6TH P.M. SAID LINE BEARS S89°51'23"E FROM THE NORTHWEST CORNER OF SAID SECTION 9 (2 1/2' AULM. CAP PLS 17664) TO THE N 1/4 CORNER OF SAID SECTION 9 (3 3/4' AULM. CAP PLS 10377)



**SEAL**

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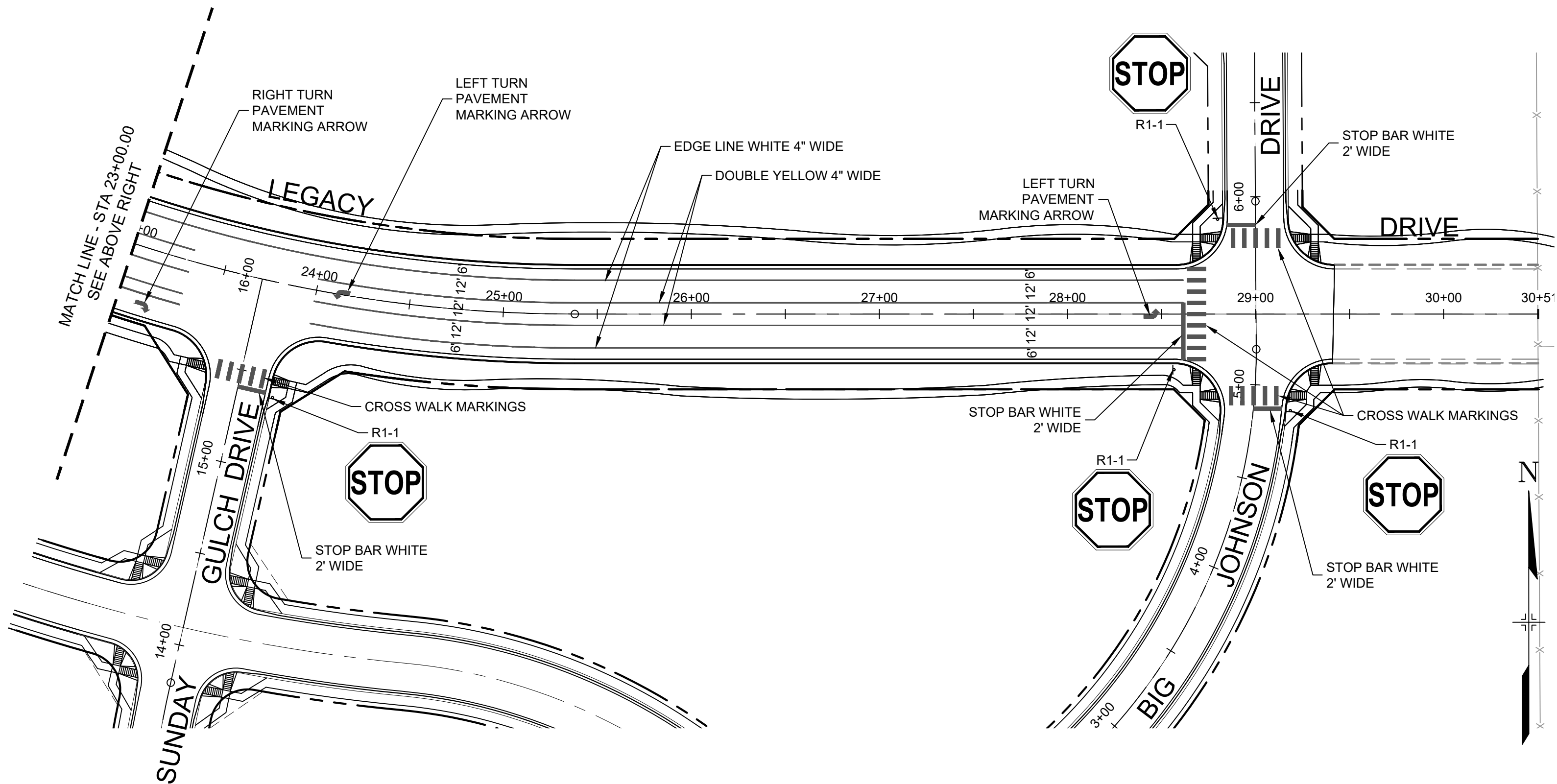
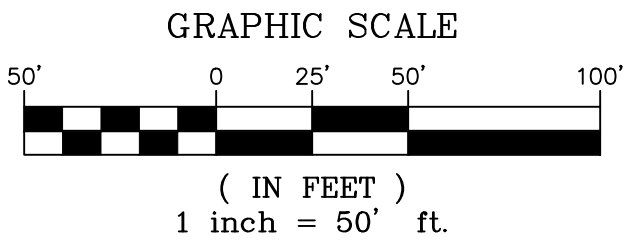
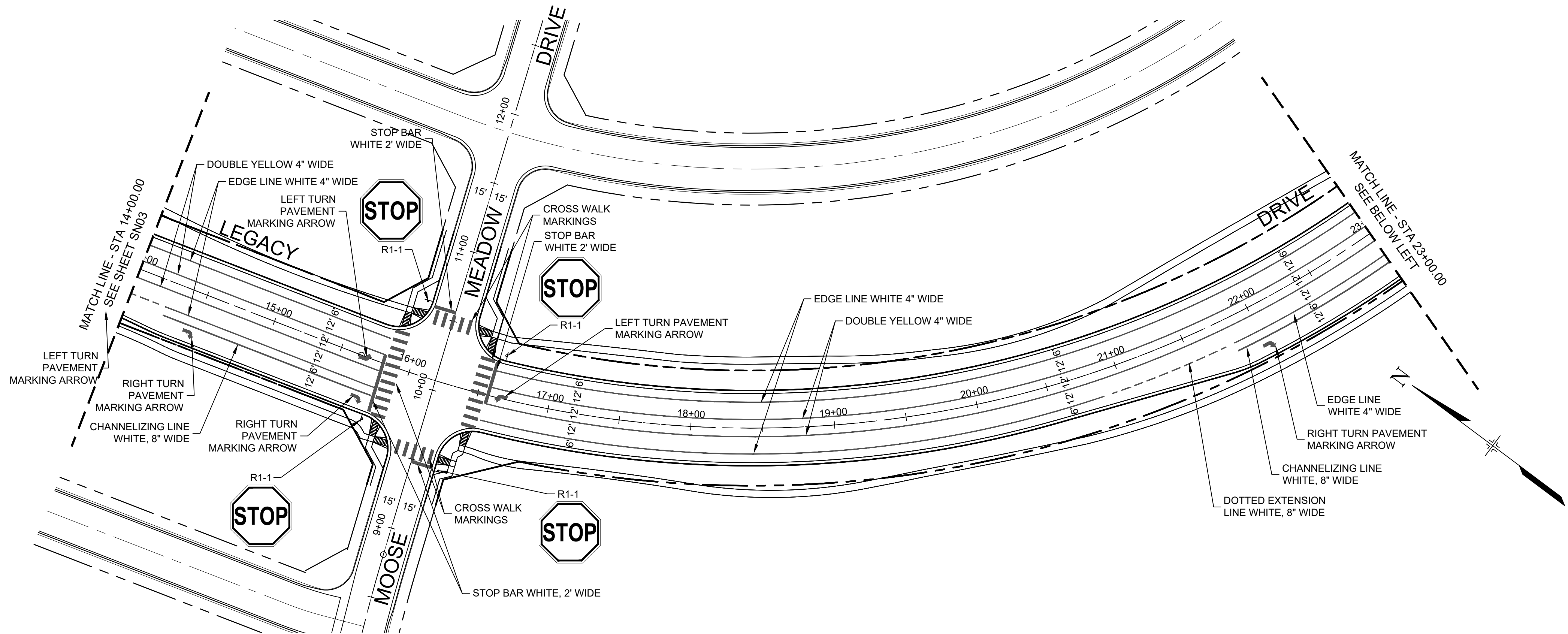
FOR AND ON BEHALF OF  
MATRIX DESIGN GROUP, INC.  
PROJECT No. 19.886.011

TRAILS AT ASPEN RIDGE			
FILING NO. 1 ROADWAY & STORM IMPROVEMENT PLANS			
LEGACY DRIVE SIGNING & STRIPING			
DESIGNED BY: NMS	SCALE: 1" = 50'	DATE ISSUED: JULY, 2019	DRAWING No.
CHECKED BY: NMS	HORIZ. 1" = 50'	SHEET 18 OF 71	SN01-L

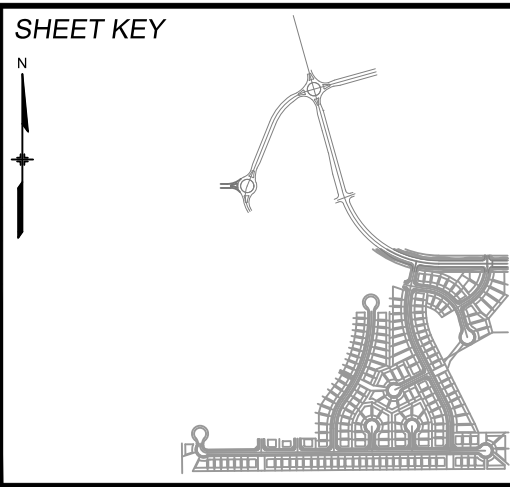




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**BENCHMARK**  
COLORADO SPRINGS UTILITIES (FIMS) MONUMENT F206  
A BERNTSEN TOP SECURITY MONUMENT SYSTEM WITH A 3.5-INCH DIAMETER ALUMINUM CAP IN A ROAD BOX, LOCATED ON THE NORTHWEST CORNER OF FONTAINE BOULEVARD AND POWERS BOULEVARD,  
ELEVATION - 5897.89' U.S. SURVEY FT

**BASIS OF BEARING**  
BEARINGS ARE BASED ON THE NORTH LINE OF THE NORTHWEST QUARTER OF SECTION 9, TOWNSHIP 15 SOUTH, RANGE 65 WEST OF THE 6TH P.M. SAID LINE BEARS S89°51'23"E FROM THE NORTHWEST CORNER OF SAID SECTION 9 (2 1/2' AULM. CAP PLS 17664) TO THE N 1/4 CORNER OF SAID SECTION 9 (3 1/4' AULM. CAP PLS 10377)

PREPARED BY:

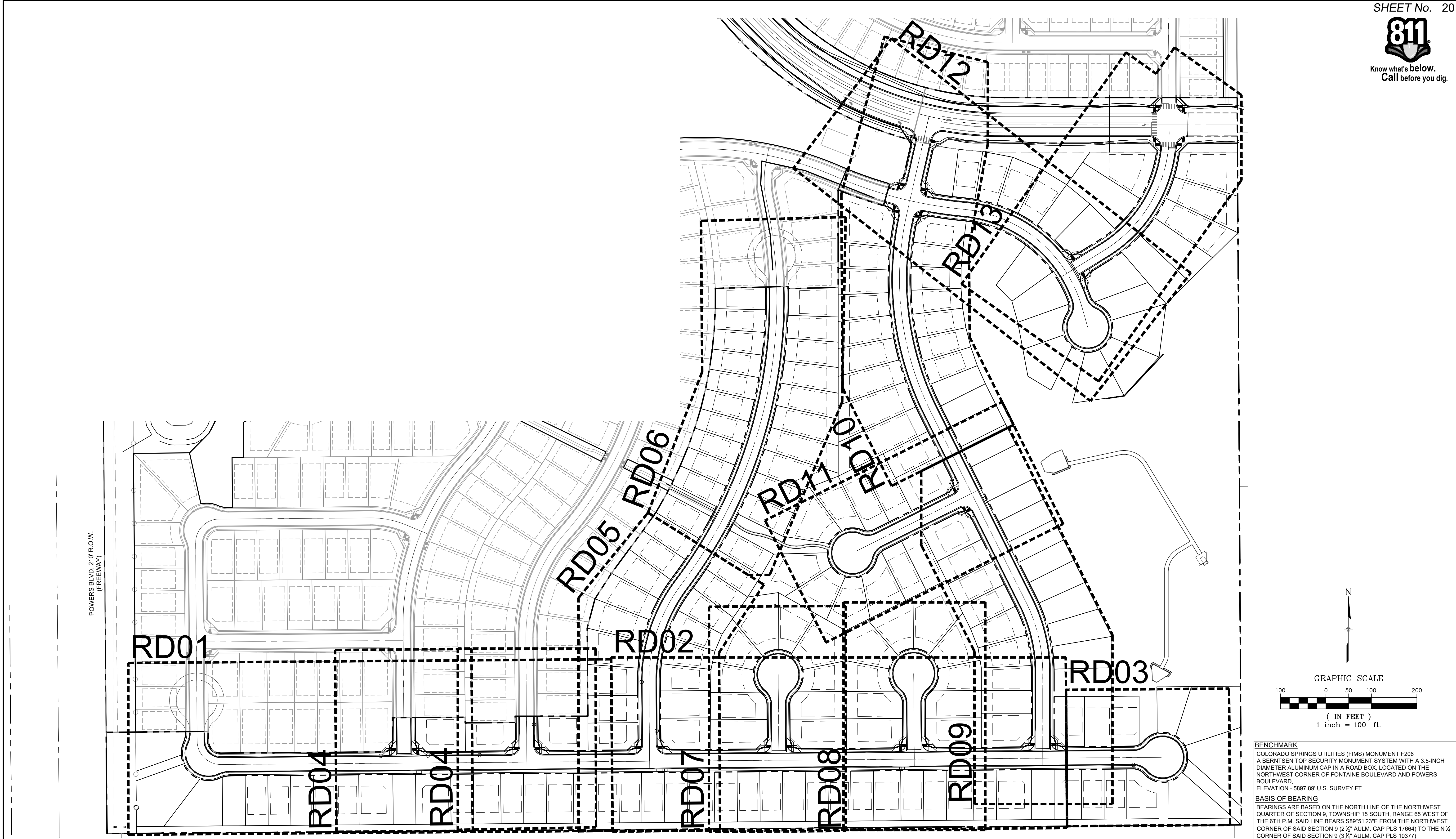
SEAL

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FOR AND ON BEHALF OF  
MATRIX DESIGN GROUP, INC.  
PROJECT No. 19.886.011

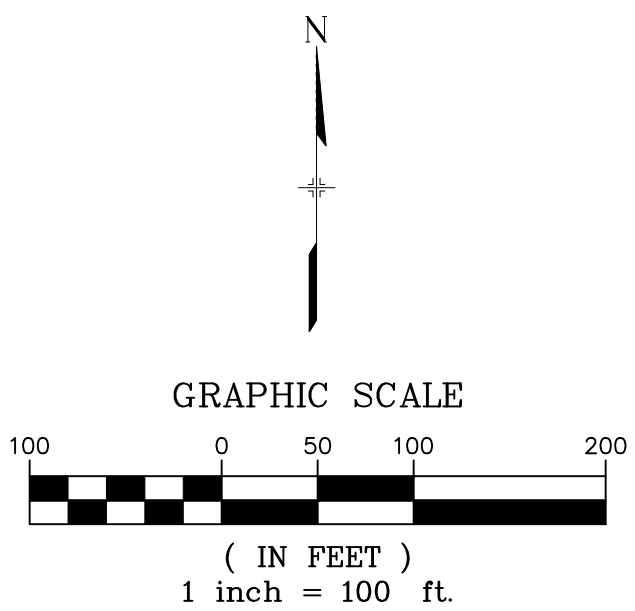
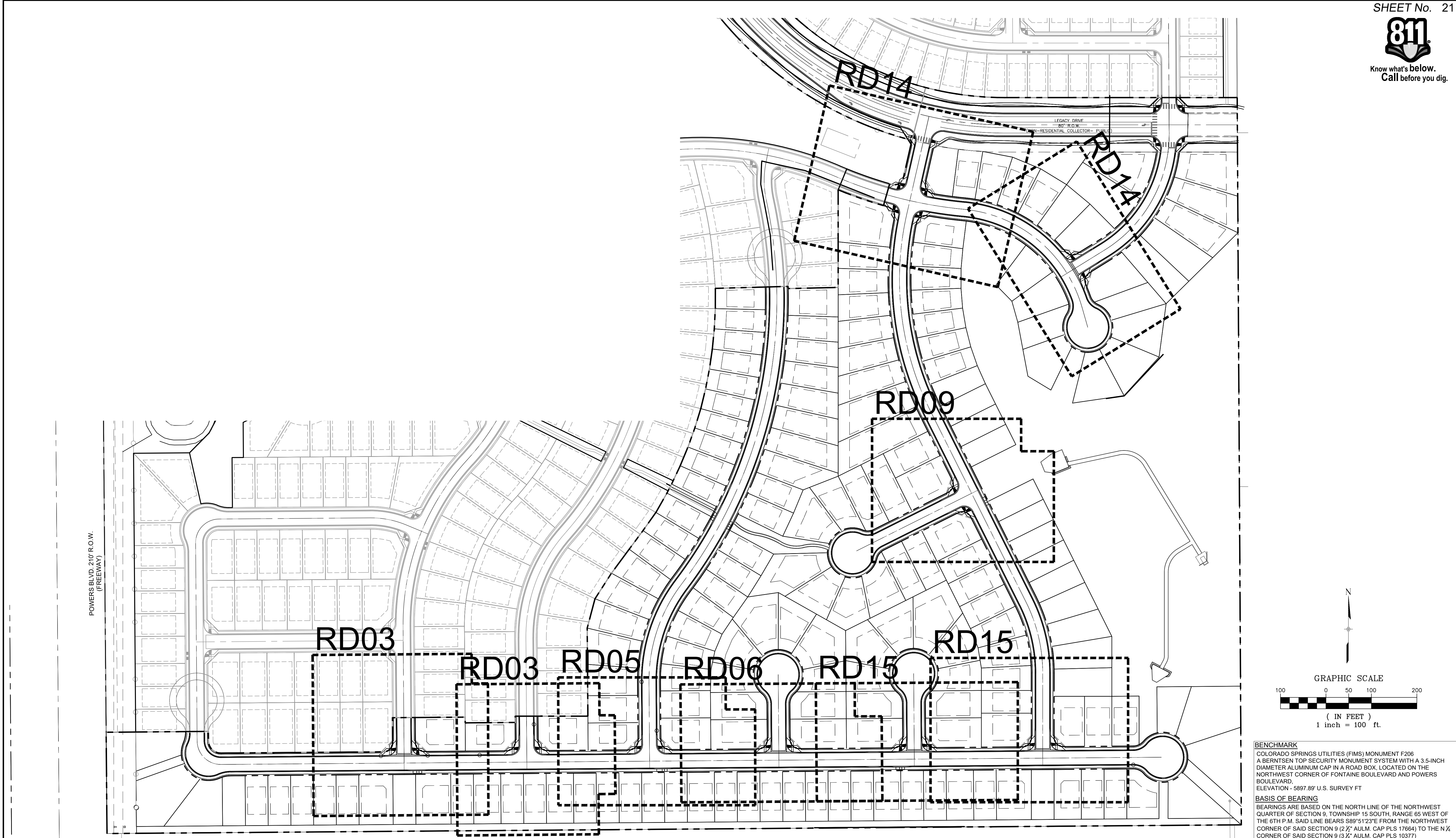
TRAILS AT ASPEN RIDGE			
FILING NO. 1 ROADWAY & STORM IMPROVEMENT PLANS			
LEGACY DRIVE SIGNING & STRIPING			
DESIGNED BY: NMS	SCALE: 1" = 50'	DATE ISSUED: JULY, 2019	DRAWING No.
DRAWN BY: TJC	HORIZ	SHEET	19 OF 71
CHECKED BY: NMS	VERT.		SN02-L





				<b>DESIGN DATA:</b> SIDEWALKS: WIDTH 5' LOCATION: ATTACHED <input checked="" type="checkbox"/> DETACHED <input checked="" type="checkbox"/> DESIGN SPEED: 25 MPH CURB TYPE <input checked="" type="checkbox"/> A <input type="checkbox"/> B <input checked="" type="checkbox"/> C <input type="checkbox"/> D <input type="checkbox"/> E ROW WIDTH 50' FL-FL 32' STREET TYPE RESIDENTIAL		<b>PAVEMENT:</b> TYPE: HMA <input type="checkbox"/> PCC <input type="checkbox"/> THICKNESS: _____  <b>COMPOSITE SECTION:</b> HMA _____ BASE _____		<b>SHEET KEY</b> 	<b>REVIEW:</b> STREET DESIGN: CURB & GUTTER REVIEW _____ DATE: _____ FINAL REVIEW _____ DATE: _____ DRAINAGE DESIGN: BY: _____ DATE: _____ TRAFFIC DESIGN: BY: _____ DATE: _____  "Filed in accordance with Section 7.7.906 (Drainage Ordinance) of the code of the City of Colorado Springs, 2001 as amended."	<b>PREPARED BY:</b> 	<b>SEAL</b>   FOR AND ON BEHALF OF MATRIX DESIGN GROUP, INC. PROJECT No. 19.886.011	<b>TRAILS AT ASPEN RIDGE</b>																											
												FILING NO. 1 ROADWAY & STORMDRAIN IMPROVEMENT PLANS																											
												KEY MAP INTERNAL ROADWAY PLAN & PROFILE SHEETS																											
<table><tr><th>No.</th><th>DATE</th><th>DESCRIPTION</th><th>BY</th></tr><tr><td colspan="4">REVISIONS</td></tr></table> <b>COMPUTER FILE MANAGEMENT</b> FILE NAME: S:\19.886.011 (Trails at Aspen Ridge - F1)\100 Dwg\104 Plan Sets\Construction Plans\Road & Storm Plans\RD-MAP.dwg CTB FILE: ---- PLOT DATE: July 2, 2019 2:06:40 PM THIS DRAWING IS CURRENT AS OF PLOT DATE AND MAY BE SUBJECT TO CHANGE.				No.	DATE	DESCRIPTION	BY	REVISIONS												<table><tr><th>DESIGNED BY:</th><th>NMS</th><th>SCALE</th><th>DATE ISSUED:</th><th>JULY, 2019</th><th>DRAWING No.</th></tr><tr><td>DRAWN BY:</td><td>TJC</td><td>HORIZ 1"=40'</td><td>SHEET</td><td>20 OF 71</td><td>MAP01</td></tr><tr><td>CHECKED BY:</td><td>NMS</td><td>VERT. 1"=8'</td><td></td><td></td><td></td></tr></table>		DESIGNED BY:	NMS	SCALE	DATE ISSUED:	JULY, 2019	DRAWING No.	DRAWN BY:	TJC	HORIZ 1"=40'	SHEET	20 OF 71	MAP01	CHECKED BY:	NMS	VERT. 1"=8'			
No.	DATE	DESCRIPTION	BY																																				
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DRAWN BY:	TJC	HORIZ 1"=40'	SHEET	20 OF 71	MAP01																																		
CHECKED BY:	NMS	VERT. 1"=8'																																					



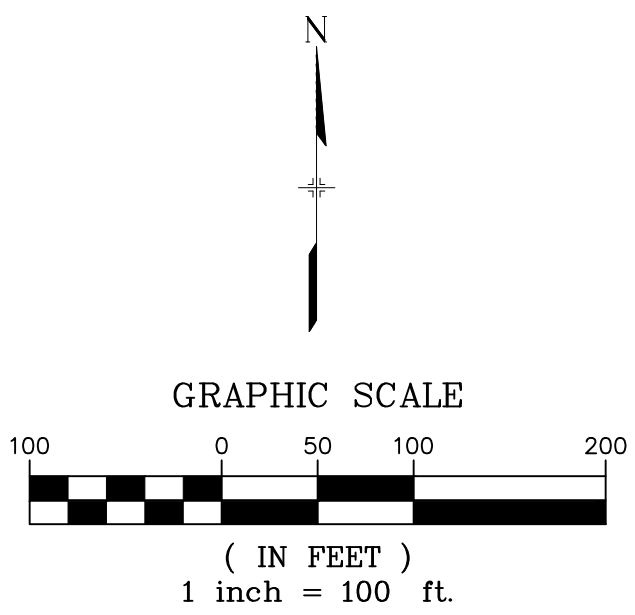
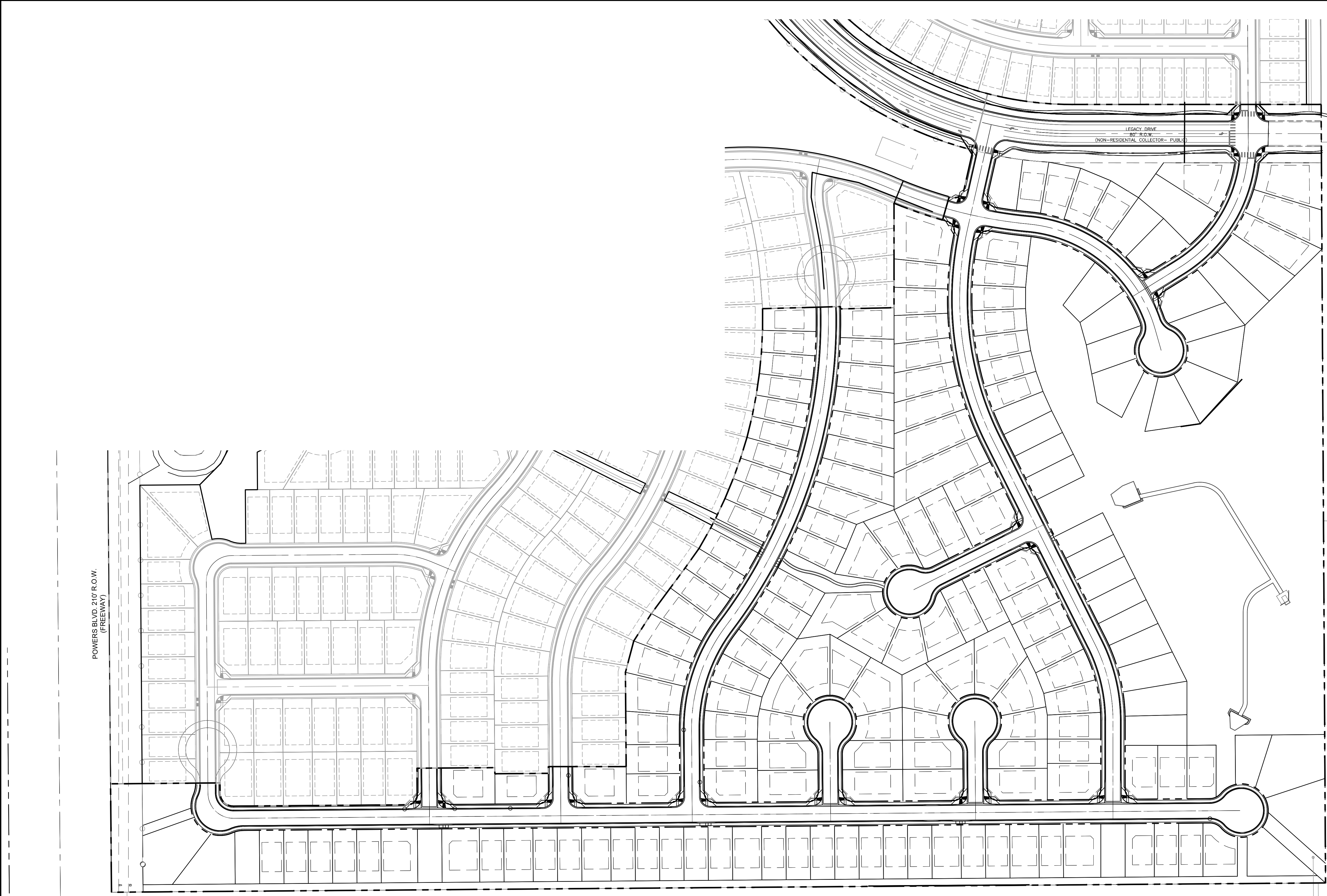


**BENCHMARK**  
COLORADO SPRINGS UTILITIES (FIMS) MONUMENT F206  
A BERTSEN TOP SECURITY MONUMENT SYSTEM WITH A 3.5-INCH  
DIAMETER ALUMINUM CAP IN A ROAD BOX, LOCATED ON THE  
NORTHWEST CORNER OF FONTAINE BOULEVARD AND POWERS  
BOULEVARD,  
ELEVATION - 5897.89' U.S. SURVEY FT

**BASIS OF BEARING**  
BEARINGS ARE BASED ON THE NORTH LINE OF THE NORTHWEST  
QUARTER OF SECTION 9, TOWNSHIP 15 SOUTH, RANGE 65 WEST OF  
THE 6TH P.M. SAID LINE BEARS S89°51'23"E FROM THE NORTHWEST  
CORNER OF SAID SECTION 9 (2 1/2" AULM. CAP PLS 17664) TO THE N 1/4  
CORNER OF SAID SECTION 9 (3 1/2" AULM. CAP PLS 10377)

<table><tr><td>No.</td><td>DATE</td><td>DESCRIPTION</td><td>BY</td></tr><tr><td colspan="4">REVISIONS</td></tr></table>				No.	DATE	DESCRIPTION	BY	REVISIONS				<p><b>DESIGN DATA:</b></p> <table><tr><td>SIDEWALKS: WIDTH</td><td>5'</td><td>PAVEMENT:</td><td>TYPE: HMA <input type="checkbox"/> PCC <input type="checkbox"/></td></tr><tr><td>LOCATION: ATTACHED</td><td><input checked="" type="checkbox"/></td><td>THICKNESS:</td><td></td></tr><tr><td>DETACHED</td><td><input checked="" type="checkbox"/></td><td></td><td></td></tr><tr><td>DESIGN SPEED:</td><td>25 MPH</td><td></td><td></td></tr><tr><td>CURB TYPE</td><td><input checked="" type="checkbox"/> A <input type="checkbox"/> B <input checked="" type="checkbox"/> C <input type="checkbox"/> D <input type="checkbox"/> E</td><td>COMPOSITE SECTION:</td><td>HMA <input type="checkbox"/> BASE <input type="checkbox"/></td></tr><tr><td>ROW WIDTH</td><td>50' FL-FL 32'</td><td></td><td></td></tr><tr><td>STREET TYPE</td><td>RESIDENTIAL</td><td></td><td></td></tr></table>				SIDEWALKS: WIDTH	5'	PAVEMENT:	TYPE: HMA <input type="checkbox"/> PCC <input type="checkbox"/>	LOCATION: ATTACHED	<input checked="" type="checkbox"/>	THICKNESS:		DETACHED	<input checked="" type="checkbox"/>			DESIGN SPEED:	25 MPH			CURB TYPE	<input checked="" type="checkbox"/> A <input type="checkbox"/> B <input checked="" type="checkbox"/> C <input type="checkbox"/> D <input type="checkbox"/> E	COMPOSITE SECTION:	HMA <input type="checkbox"/> BASE <input type="checkbox"/>	ROW WIDTH	50' FL-FL 32'			STREET TYPE	RESIDENTIAL			<p><b>SHEET KEY</b></p>				<p>REVIEW:</p> <table><tr><td>STREET DESIGN:</td><td></td><td>DATE:</td><td></td></tr><tr><td>CURB &amp; GUTTER REVIEW</td><td></td><td>DATE:</td><td></td></tr><tr><td>FINAL REVIEW</td><td></td><td>DATE:</td><td></td></tr><tr><td>DRAINAGE DESIGN:</td><td></td><td>DATE:</td><td></td></tr><tr><td>BY:</td><td></td><td>DATE:</td><td></td></tr><tr><td>TRAFFIC DESIGN:</td><td></td><td>DATE:</td><td></td></tr><tr><td>BY:</td><td></td><td>DATE:</td><td></td></tr></table> <p><small>"Filed in accordance with Section 7.7.906 (Drainage Ordinance) of the code of the City of Colorado Springs, 2001 as amended.</small></p>				STREET DESIGN:		DATE:		CURB & GUTTER REVIEW		DATE:		FINAL REVIEW		DATE:		DRAINAGE DESIGN:		DATE:		BY:		DATE:		TRAFFIC DESIGN:		DATE:		BY:		DATE:		<p>PREPARED BY:</p>				<p>SEAL</p>				<p><b>TRAILS AT ASPEN RIDGE</b></p> <p>FILING NO. 1</p> <p>ROADWAY &amp; STORMDRAIN IMPROVEMENT PLANS</p> <p><b>KEY MAP</b></p> <p>CURB RETURN FLOW LINE PROFILE SHEETS</p>			
No.	DATE	DESCRIPTION	BY																																																																																								
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<p>FILE NAME: S:\19.886.011 (Trails at Aspen Ridge - F1)\100 Dwg\104 Plan Sets\Construction Plans\Road &amp; Storm Plans\RD-MAP.dwg</p> <p>CTB FILE: ----</p> <p>PLOT DATE: July 2, 2019 2:06:56 PM</p> <p><small>THIS DRAWING IS CURRENT AS OF PLOT DATE AND MAY BE SUBJECT TO CHANGE.</small></p>												<p>FOR AND ON BEHALF OF MATRIX DESIGN GROUP, INC. PROJECT No. 19.886.011</p>				<table><tr><td>DESIGNED BY:</td><td>NMS</td><td>SCALE</td><td></td><td>DATE ISSUED:</td><td>JULY, 2019</td><td>DRAWING No.</td><td></td></tr><tr><td>DRAWN BY:</td><td>TJC</td><td>HORIZ</td><td>1"=40'</td><td>SHEET</td><td>21 OF 71</td><td>MAP01</td><td></td></tr><tr><td>CHECKED BY:</td><td>NMS</td><td>VERT.</td><td>1"=8'</td><td></td><td></td><td></td><td></td></tr></table>				DESIGNED BY:	NMS	SCALE		DATE ISSUED:	JULY, 2019	DRAWING No.		DRAWN BY:	TJC	HORIZ	1"=40'	SHEET	21 OF 71	MAP01		CHECKED BY:	NMS	VERT.	1"=8'																																																				
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CHECKED BY:	NMS	VERT.	1"=8'																																																																																								



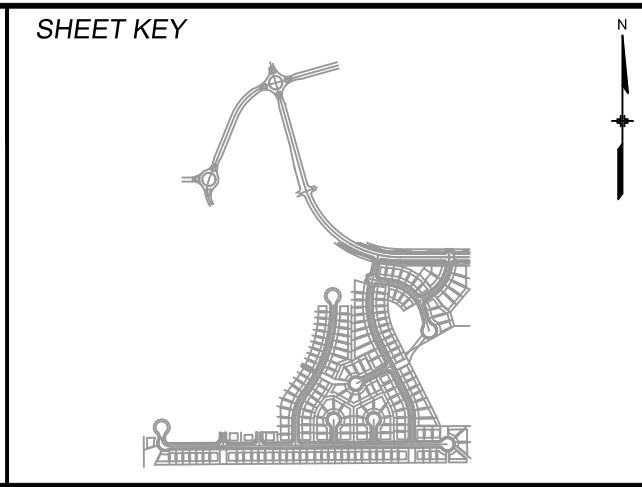


**BENCHMARK**  
COLORADO SPRINGS UTILITIES (FIMS) MONUMENT F206  
A BERTSEN TOP SECURITY MONUMENT SYSTEM WITH A 3.5-INCH  
DIAMETER ALUMINUM CAP IN A ROAD BOX, LOCATED ON THE  
NORTHWEST CORNER OF FONTAINE BOULEVARD AND POWERS  
BOULEVARD,  
ELEVATION - 5897.89' U.S. SURVEY FT

**BASIS OF BEARING**  
BEARINGS ARE BASED ON THE NORTH LINE OF THE NORTHWEST  
QUARTER OF SECTION 9, TOWNSHIP 15 SOUTH, RANGE 65 WEST OF  
THE 6TH P.M. SAID LINE BEARS S89°51'23"E FROM THE NORTHWEST  
CORNER OF SAID SECTION 9 (2 1/2" AULM. CAP PLS 17664) TO THE N 1/4  
CORNER OF SAID SECTION 9 (3 1/2" AULM. CAP PLS 10377)

No.	DATE	DESCRIPTION		BY
REVISIONS				
COMPUTER FILE MANAGEMENT				
FILE NAME:		S:\19.886.011 (Trails at Aspen Ridge - F1)\100 Dwg\104 Plan Sets\		
CTB FILE:		----		
PLOT DATE:		July 2, 2019 2:07:08 PM		
THIS DRAWING IS CURRENT AS OF PLOT DATE AND MAY BE SUBJECT TO CHANGE				

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DETACHED	<input checked="" type="checkbox"/>
DESIGN SPEED:	25 MPH
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ROW WIDTH	50' FL-FL 32'
STREET TYPE	RESIDENTIAL
PAVEMENT:	TYPE: HMA <input type="checkbox"/> PCC <input type="checkbox"/>
THICKNESS:	
COMPOSITE SECTION:	HMA <input type="checkbox"/> BASE <input type="checkbox"/>



REVIEW:	
STREET DESIGN:	
CURB & GUTTER REVIEW	DATE: _____
FINAL REVIEW	DATE: _____
DRAINAGE DESIGN:	DATE: _____
BY: _____	
TRAFFIC DESIGN:	DATE: _____
BY: _____	
"Filed in accordance with Section 7.7.906 (Drainage Ordinance) of the code of the City of Colorado Springs, 2001 as amended."	

PREPARED BY:

SEAL

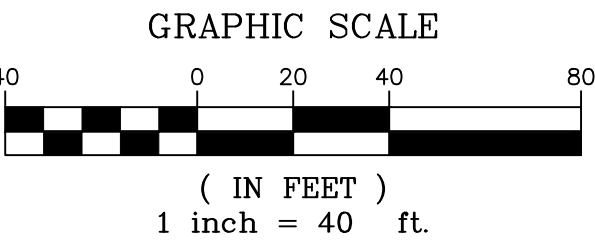
FOR AND ON BEHALF OF  
MATRIX DESIGN GROUP, INC.  
PROJECT No. 19.886.011

TRAILS AT ASPEN RIDGE			
FILING NO. 1			
ROADWAY & STORMDRAIN IMPROVEMENT PLANS			
KEY MAP			
PEDESTRIAN RAMP DETAIL SHEETS			
DESIGNED BY: NMS	SCALE	DATE ISSUED:	JULY, 2019
DRAWN BY: TJC	HORIZ 1"=40'		
CHECKED BY: NMS	VERT. 1"=8'	SHEET	22 OF 71
			DRAWING No. MAP01



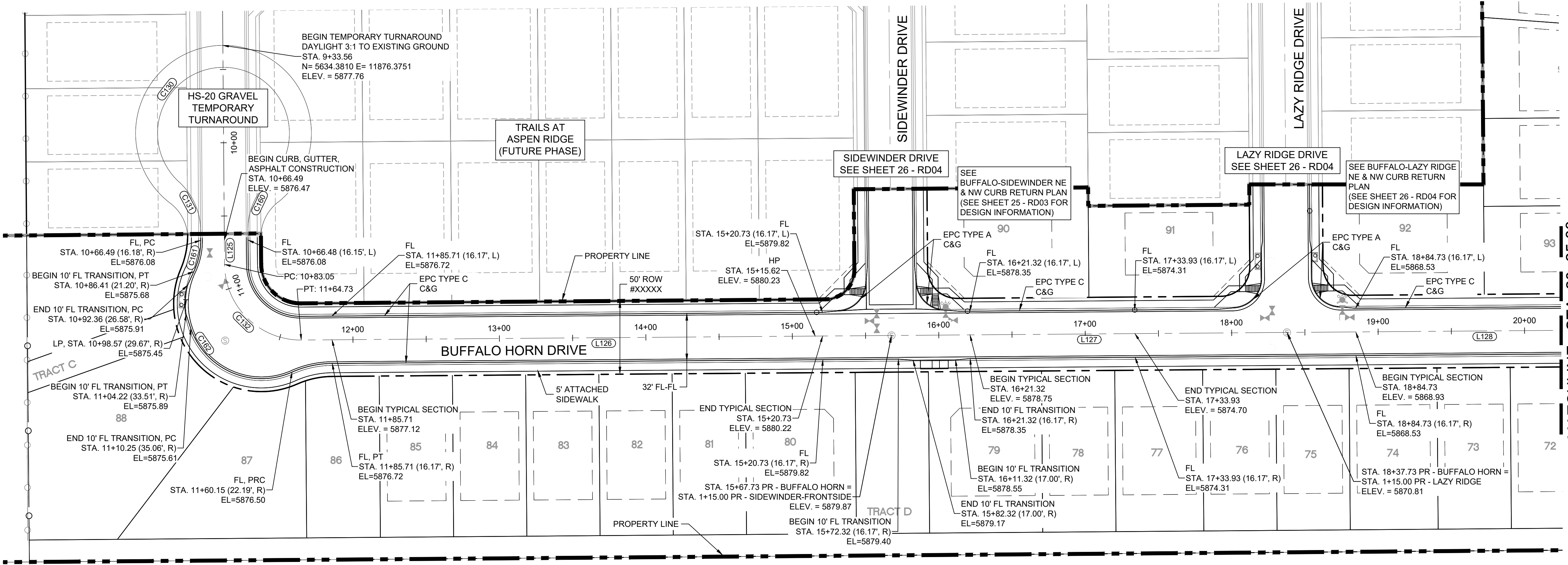


Know what's below.  
Call before you dig.

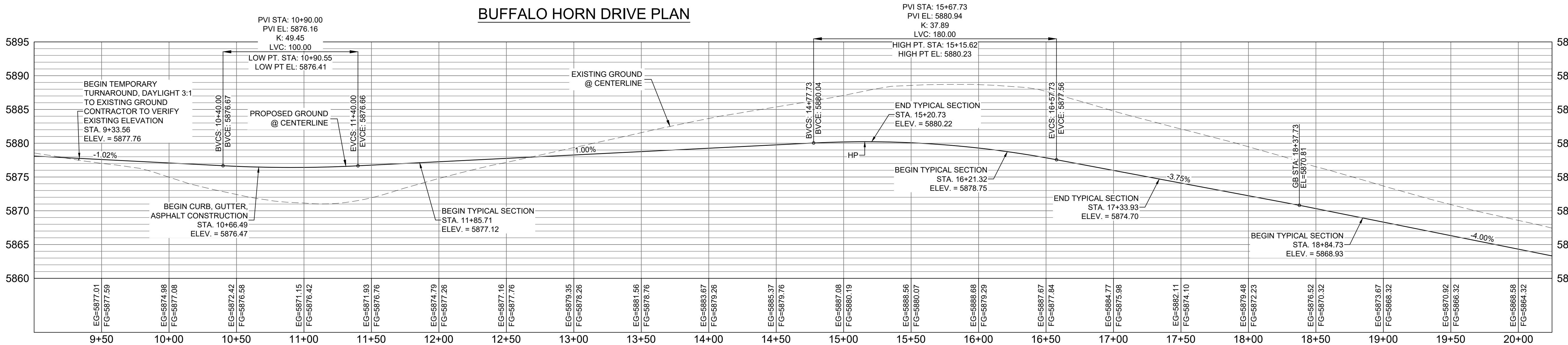


LINE TABLE		
LINE #	BEARING	DISTANCE
L125	S00°26'32"E	20.94
L126	N89°33'35"E	403.00
L127	N89°33'35"E	270.00
L128	N89°33'35"E	270.00

CURVE TABLE			
CURVE #	ARC LENGTH	RADIUS	DELTA ANGLE
C130	215.49	45.00	274°22'14"
C131	37.06	45.00	47°11'07"
C132	81.68	52.00	89°59'53"
C160	37.06	45.00	47°11'07"
C161	22.03	48.83	25°50'31"
C162	124.45	51.17	139°21'09"



BUFFALO HORN DRIVE PLAN



BUFFALO HORN DRIVE CL PROFILE

HORIZ: 1" = 40'  
VERT: 1" = 8'

**BENCHMARK**  
COLORADO SPRINGS UTILITIES (FIMS) MONUMENT F206  
A BERTSEN TOP SECURITY MONUMENT SYSTEM WITH A 3.5-INCH  
DIAMETER ALUMINUM CAP IN A ROAD BOX, LOCATED ON THE  
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BOULEVARD,  
ELEVATION - 5897.89' U.S. SURVEY FT

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CORNER OF SAID SECTION 9 (3 1/2" AULM. CAP PLS 10377)

No.	DATE	DESCRIPTION	BY
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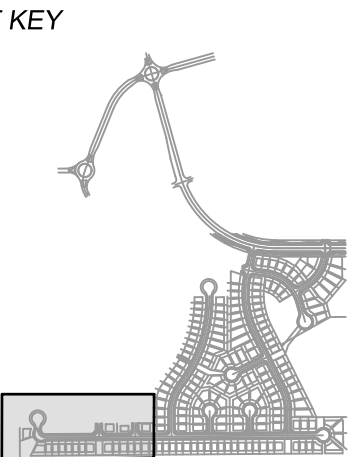
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LOCATION: ATTACHED ☒ DETACHED ☐  
DESIGN SPEED: 25 MPH  
CURB TYPE ☒ A ☐ B ☐ C ☐ D ☐ E  
ROW WIDTH 50' FL-FL 32'  
STREET TYPE RESIDENTIAL

PAVEMENT:  
TYPE: HMA ☐ PCC ☐  
THICKNESS: \_\_\_\_\_

COMPOSITE SECTION:  
HMA \_\_\_\_\_ BASE \_\_\_\_\_

SHEET KEY



REVIEW:

STREET DESIGN:  
CURB & GUTTER REVIEW \_\_\_\_\_ DATE: \_\_\_\_\_  
FINAL REVIEW \_\_\_\_\_ DATE: \_\_\_\_\_

DRAINAGE DESIGN:  
BY: \_\_\_\_\_ DATE: \_\_\_\_\_

TRAFFIC DESIGN:  
BY: \_\_\_\_\_ DATE: \_\_\_\_\_

"Filed in accordance with Section 7.7.906 (Drainage Ordinance) of the code of the City of Colorado Springs, 2001 as amended.



SEAL

FOR AND ON BEHALF OF  
MATRIX DESIGN GROUP, INC.  
PROJECT No. 19.886.011

TRAILS AT ASPEN RIDGE

FILING NO. 1  
ROADWAY & STORMDRAIN IMPROVEMENT PLANS

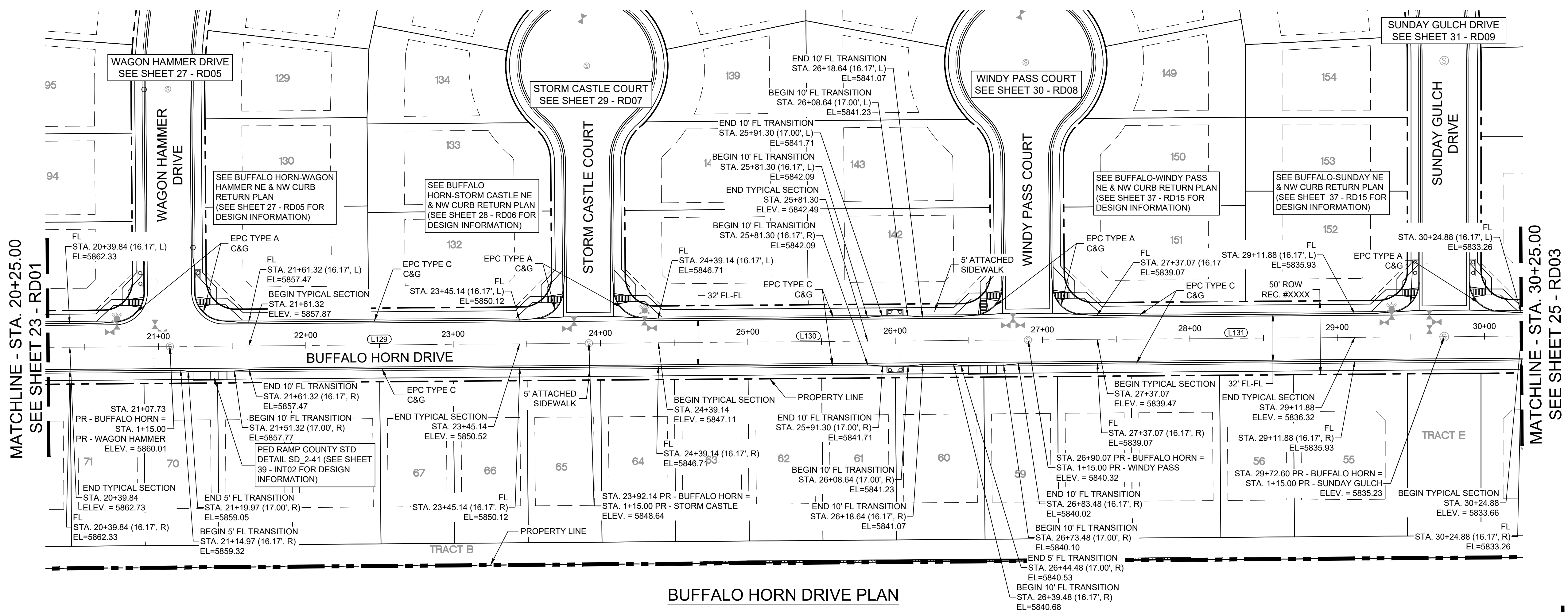
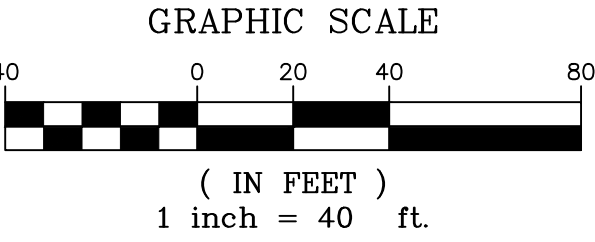
ROADWAY PLAN & PROFILE

DESIGNED BY: NMS	SCALE: 1"=40'	DATE ISSUED: JULY, 2019	DRAWING No. RD01
DRAWN BY: TJC	HORIZ: 1"=40'		
CHECKED BY: NMS	VERT: 1"=8'	SHEET 23 OF 71	





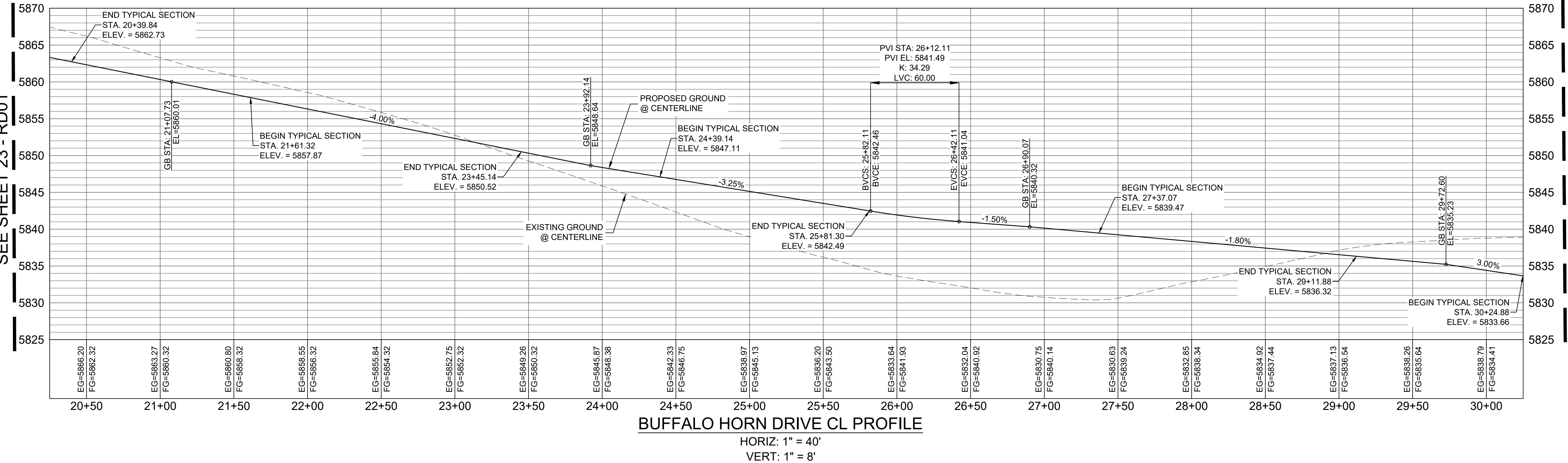
Know what's below.  
Call before you dig.



LINE TABLE		
LINE #	BEARING	DISTANCE
L129	N89°33'35"E	284.41
L130	N89°33'35"E	297.94
L131	N89°33'35"E	282.52

MATCHLINE - STA. 20+25.00  
SEE SHEET 23 - RD01

MATCHLINE - STA. 30+25.00  
SEE SHEET 25 - RD03



**BENCHMARK**  
COLORADO SPRINGS UTILITIES (FIMS) MONUMENT F206  
A BERTSEN TOP SECURITY MONUMENT SYSTEM WITH A 3.5-INCH  
DIAMETER ALUMINUM CAP IN A ROAD BOX, LOCATED ON THE  
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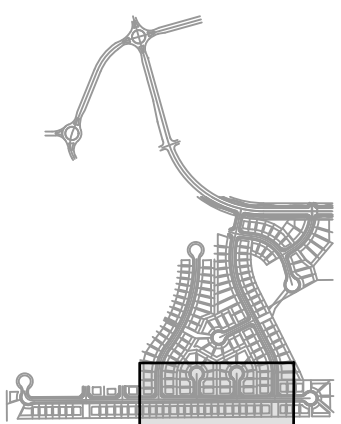
No.	DATE	DESCRIPTION	BY
REVISIONS			
COMPUTER FILE MANAGEMENT			
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PLOT DATE: July 2, 2019 2:09:00 PM			
THIS DRAWING IS CURRENT AS OF PLOT DATE AND MAY BE SUBJECT TO CHANGE.			

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LOCATION: ATTACHED ☒ DETACHED ☐  
DESIGN SPEED: 25 MPH  
CURB TYPE ☒ A ☐ B ☐ C ☐ D ☐ E  
ROW WIDTH 50' FL-FL 32'  
STREET TYPE RESIDENTIAL

PAVEMENT:  
TYPE: HMA ☐ PCC ☐  
THICKNESS: \_\_\_\_\_

COMPOSITE SECTION:  
HMA \_\_\_\_\_ BASE \_\_\_\_\_

SHEET KEY



REVIEW:

STREET DESIGN:  
CURB & GUTTER REVIEW \_\_\_\_\_ DATE: \_\_\_\_\_  
FINAL REVIEW \_\_\_\_\_ DATE: \_\_\_\_\_

DRAINAGE DESIGN:  
BY: \_\_\_\_\_ DATE: \_\_\_\_\_

TRAFFIC DESIGN:  
BY: \_\_\_\_\_ DATE: \_\_\_\_\_

"Filed in accordance with Section 7.7.906 (Drainage Ordinance) of the code of the City of Colorado Springs, 2001 as amended."



SEAL

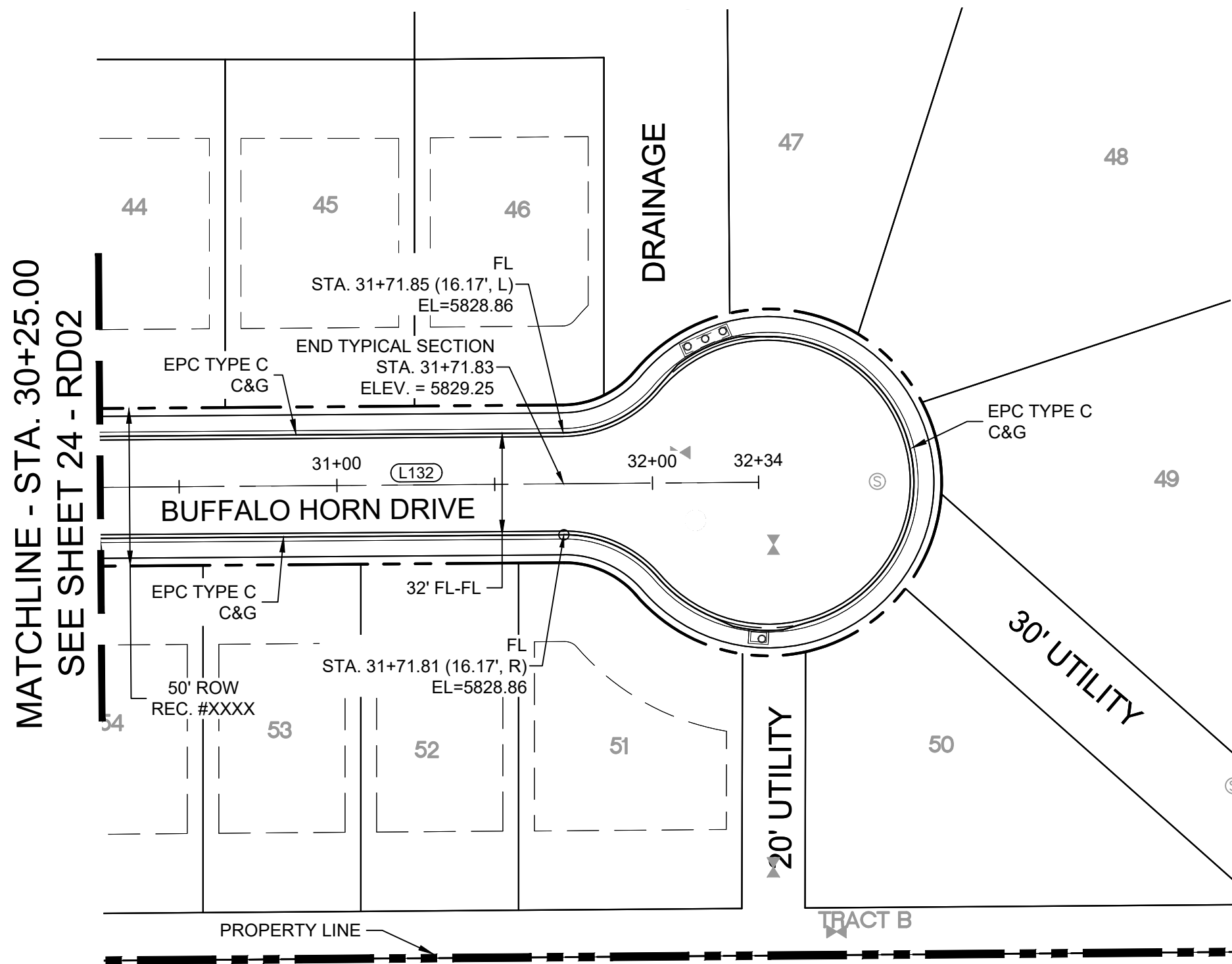
FOR AND ON BEHALF OF  
MATRIX DESIGN GROUP, INC.  
PROJECT No. 19.886.011

TRAILS AT ASPEN RIDGE				
FILING NO. 1 ROADWAY & STORMDRAIN IMPROVEMENT PLANS				
ROADWAY PLAN & PROFILE				
DESIGNED BY: NMS	SCALE	DATE ISSUED:	JULY, 2019	DRAWING No.
DRAWN BY: TJC	HORIZ 1"=40'	SHEET	24 OF 71	RD02
CHECKED BY: NMS	VERT. 1"=8'			

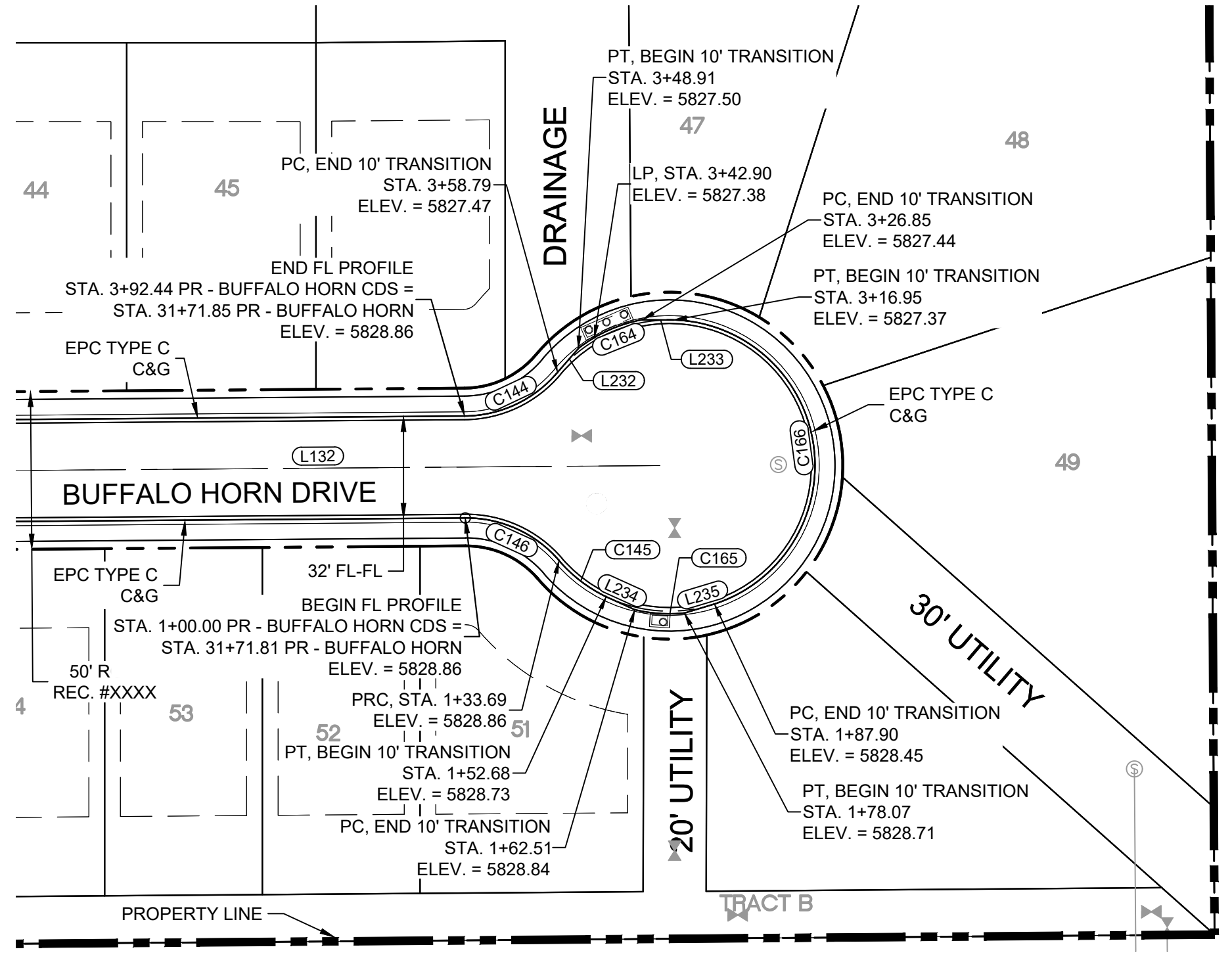




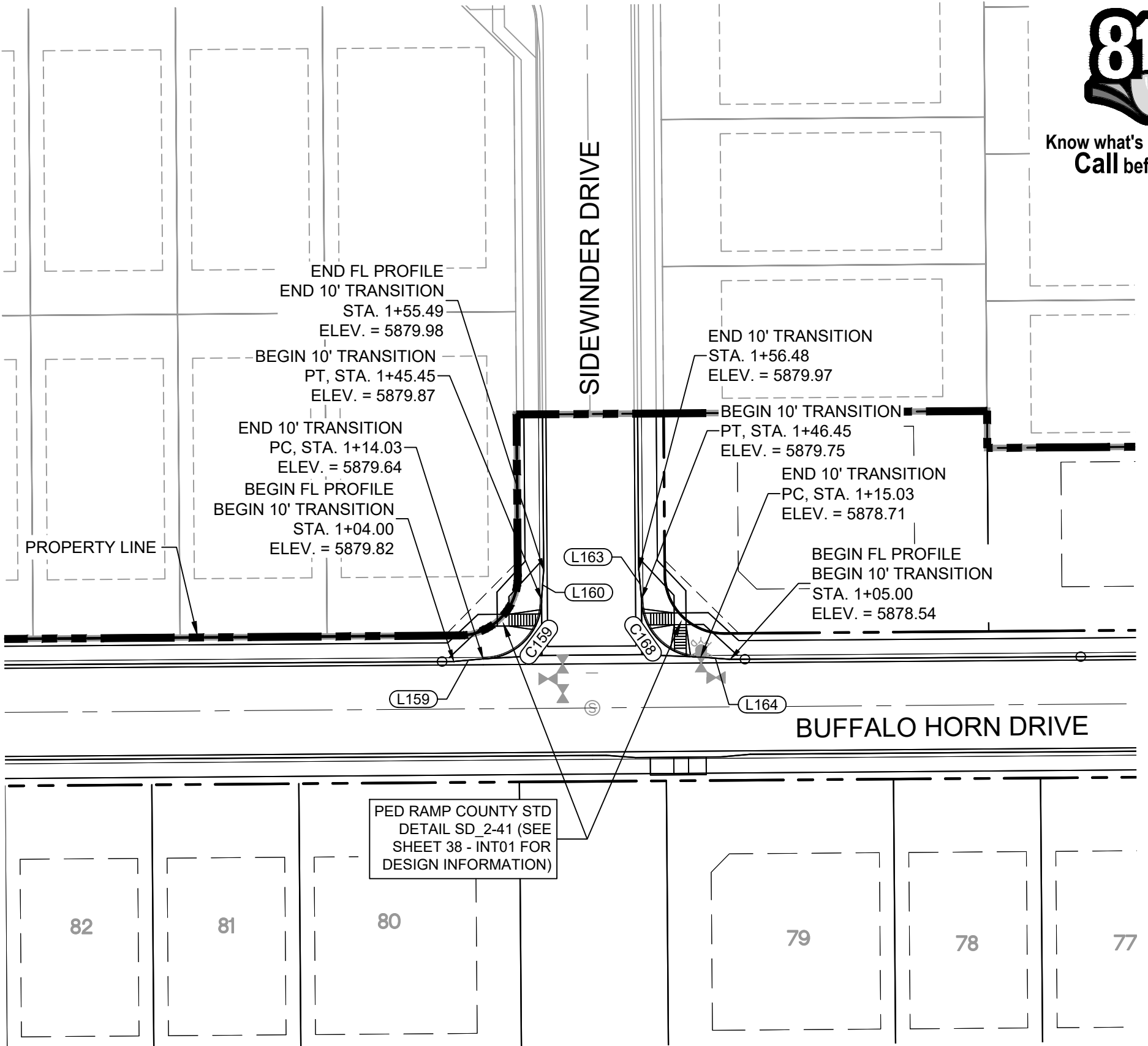
Know what's below.  
Call before you dig.



BUFFALO HORN DRIVE PLAN



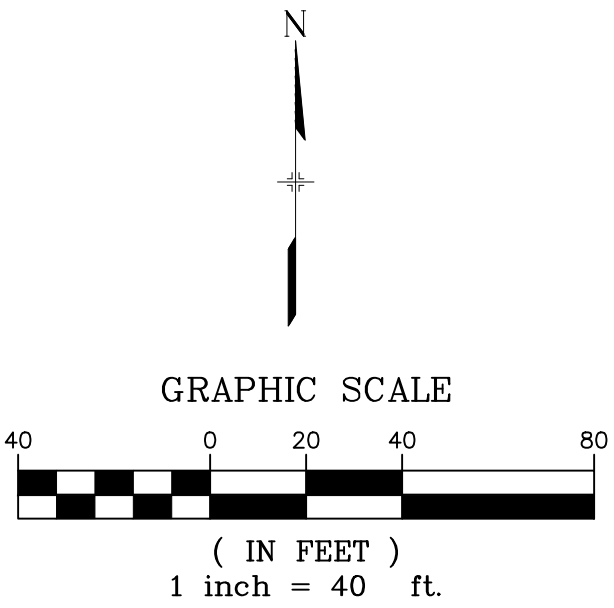
BUFFALO HORN DRIVE CDS FL PLAN



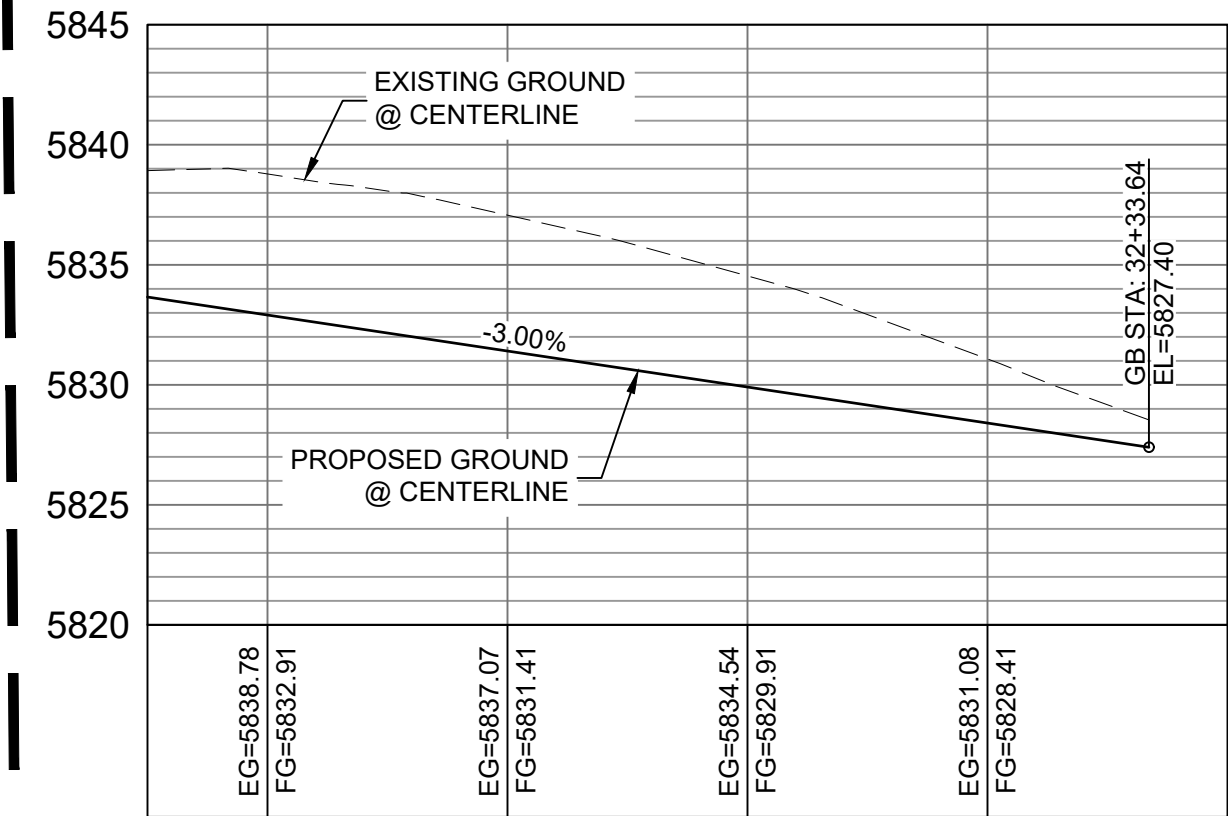
BUFFALO HORN DRIVE/  
SIDERINDER DRIVE  
CURB RETURNS PLAN

LINE TABLE		
LINE #	BEARING	DISTANCE
L132	N89°33'35"E	261.04
L232	N41°15'54"E	10.00
L233	S89°34'46"E	10.00
L234	S65°37'06"E	9.93
L235	N73°16'19"E	9.93

CURVE TABLE			
CURVE #	ARC LENGTH	RADIUS	DELTA ANGLE
C144	33.66	38.83	49°39'34"
C145	19.00	46.17	23°34'39"
C146	33.69	38.83	49°42'01"
C164	22.45	47.00	27°22'19"
C165	15.85	47.00	19°19'10"
C166	129.06	46.17	160°10'16"

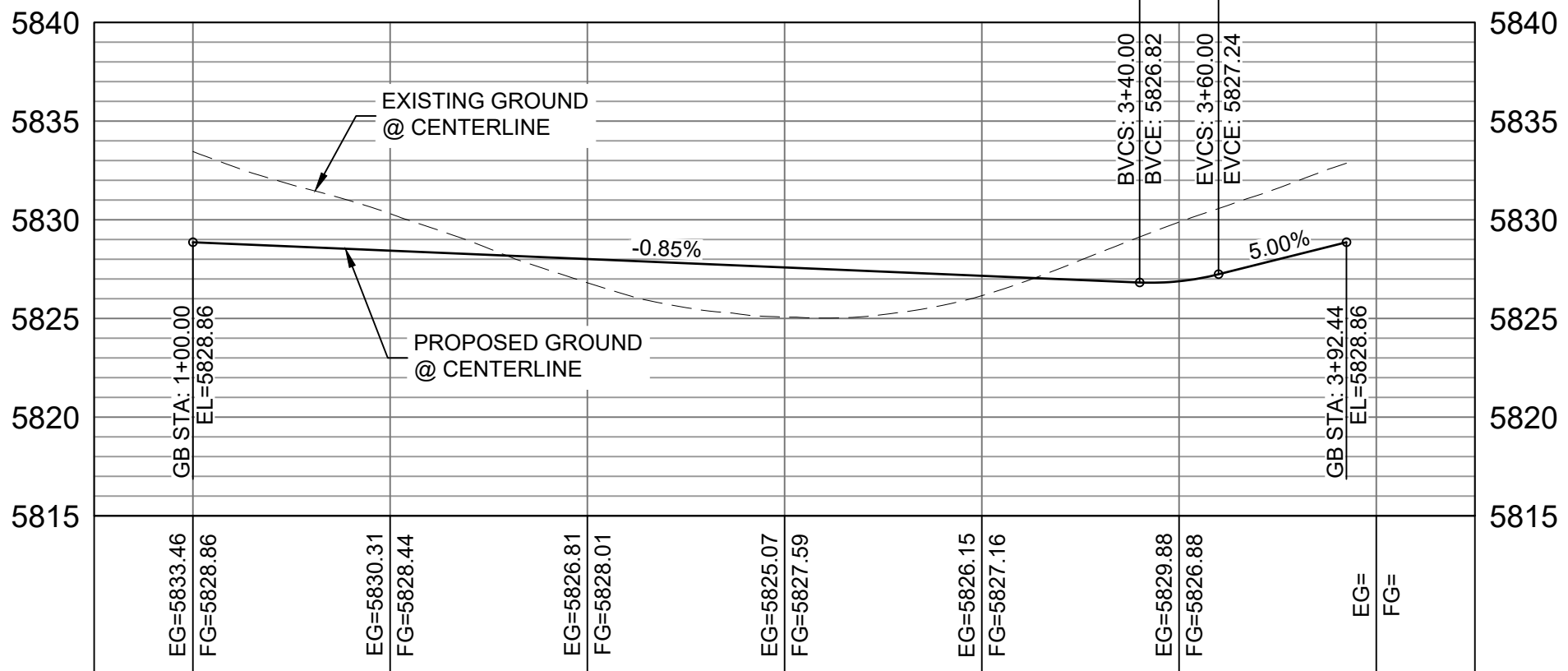


MATCHLINE - STA. 30+25.00  
SEE SHEET 24 - RD02



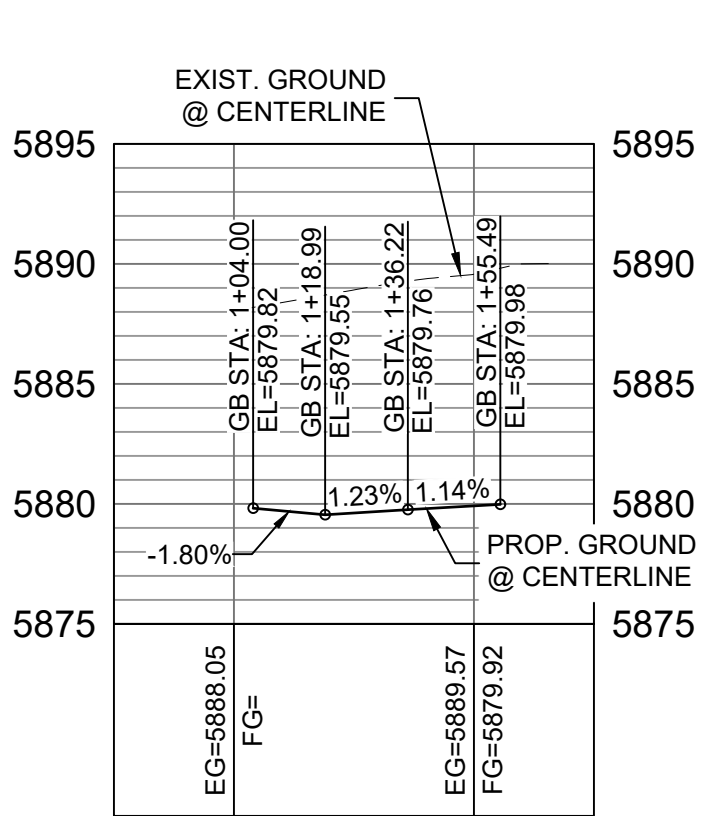
BUFFALO HORN DRIVE CL PROFILE

HORIZ: 1" = 40'  
VERT: 1" = 8'



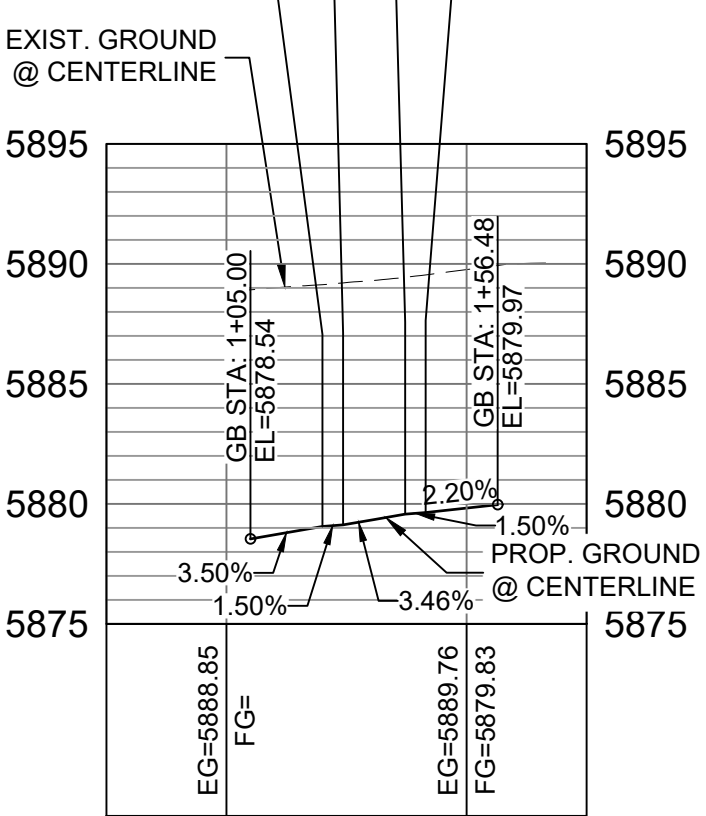
BUFFALO HORN DRIVE CDS FL  
PROFILE

HORIZ: 1" = 40'  
VERT: 1" = 8'



BUFFALO HORN DRIVE /  
SIDERINDER DRIVE NW FL  
CURB RETURN PROFILE

HORIZ: 1" = 40'  
VERT: 1" = 8'



BUFFALO HORN DRIVE /  
SIDERINDER DRIVE NE FL  
CURB RETURN PROFILE

HORIZ: 1" = 40'  
VERT: 1" = 8'

LINE TABLE		
LINE #	BEARING	DISTANCE
L159	N84°47'46"E	10.03
L160	N04°19'24"E	10.03
L163	N05°12'14"W	10.03
L164	N85°40'36"W	10.03

CURVE TABLE			
CURVE #	ARC LENGTH	RADIUS	DELTA ANGLE
C159	31.42	20.00	90°00'00"
C168	31.42	20.00	90°00'00"

**BENCHMARK**  
COLORADO SPRINGS UTILITIES (FIMS) MONUMENT F206  
A BERTSEN TOP SECURITY MONUMENT SYSTEM WITH A 3.5-INCH  
DIAMETER ALUMINUM CAP IN A ROAD BOX, LOCATED ON THE  
NORTHWEST CORNER OF FONTAINE BOULEVARD AND POWERS  
BOULEVARD,  
ELEVATION - 5897.89' U.S. SURVEY FT

**BASIS OF BEARING**  
BEARINGS ARE BASED ON THE NORTH LINE OF THE NORTHWEST  
QUARTER OF SECTION 9, TOWNSHIP 15 SOUTH, RANGE 65 WEST OF  
THE 6TH P.M. SAID LINE BEARS S89°51'23"E FROM THE NORTHWEST  
CORNER OF SAID SECTION 9 (2 1/2" AULM. CAP PLS 17664) TO THE N 1/4  
CORNER OF SAID SECTION 9 (3 1/2" AULM. CAP PLS 10377)

No.	DATE	DESCRIPTION	BY
COMPUTER FILE MANAGEMENT			
FILE NAME: S:\19 886.011 (Trails at Aspen Ridge - F1)\100 Dwg\104 Plan Sets\Construction Plans\Road & Storm Plans\RD01-04.dwg			
CTB FILE: COMM-TECH_D-SIZE_BW.ctb			
PLOT DATE: July 2, 2019 2:09:55 PM			
THIS DRAWING IS CURRENT AS OF PLOT DATE AND MAY BE SUBJECT TO CHANGE.			

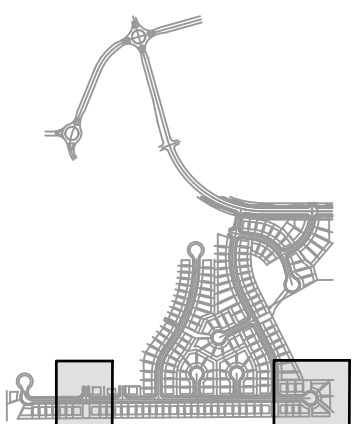
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SIDEWALKS: WIDTH 5'  
LOCATION: ATTACHED ☒ DETACHED ☐  
DESIGN SPEED: 25 MPH  
CURB TYPE ☒ A ☐ B ☐ C ☐ D ☐ E  
ROW WIDTH 50' FL-FL 32'  
STREET TYPE RESIDENTIAL

PAVEMENT:  
TYPE: HMA ☐ PCC ☐  
THICKNESS: \_\_\_\_\_

COMPOSITE SECTION:  
HMA \_\_\_\_\_ BASE \_\_\_\_\_

SHEET KEY



REVIEW:

STREET DESIGN:  
CURB & GUTTER REVIEW \_\_\_\_\_ DATE: \_\_\_\_\_  
FINAL REVIEW \_\_\_\_\_ DATE: \_\_\_\_\_  
DRAINAGE DESIGN:  
BY: \_\_\_\_\_ DATE: \_\_\_\_\_  
TRAFFIC DESIGN:  
BY: \_\_\_\_\_ DATE: \_\_\_\_\_

"Filed in accordance with Section 7.7.906 (Drainage Ordinance) of the code of the City of Colorado Springs, 2001 as amended.

PREPARED BY:



SEAL

FOR AND ON BEHALF OF  
MATRIX DESIGN GROUP, INC.  
PROJECT No. 19.886.011

TRAILS AT ASPEN RIDGE

FILING NO. 1  
ROADWAY & STORMDRAIN IMPROVEMENT PLANS

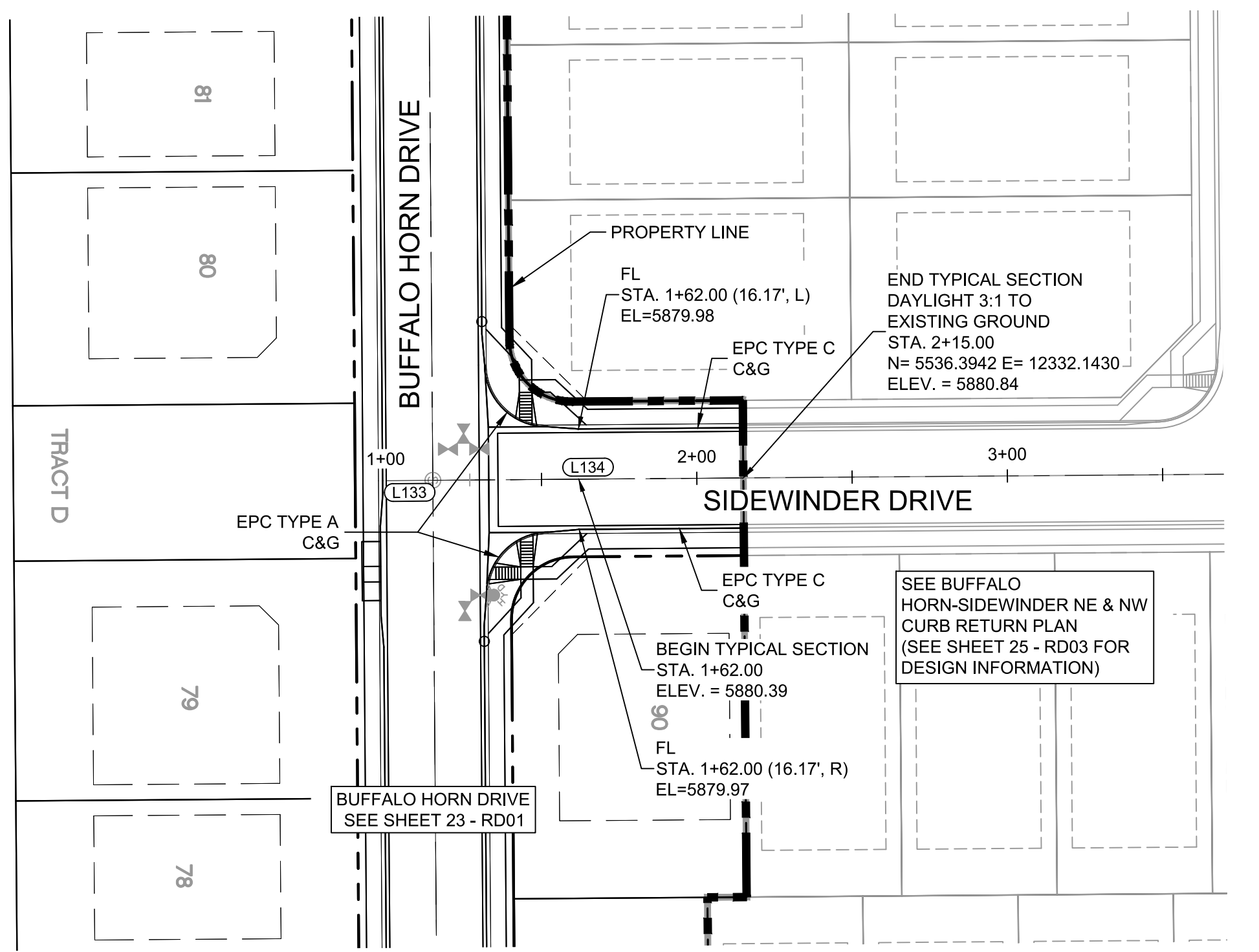
ROADWAY PLAN & PROFILE

DESIGNED BY: NMS SCALE: 1"=40' DATE ISSUED: JULY, 2019 DRAWING No. RD03  
DRAWN BY: TJC HORIZ: 1"=40' SHEET 25 OF 71  
CHECKED BY: NMS VERT: 1"=8'

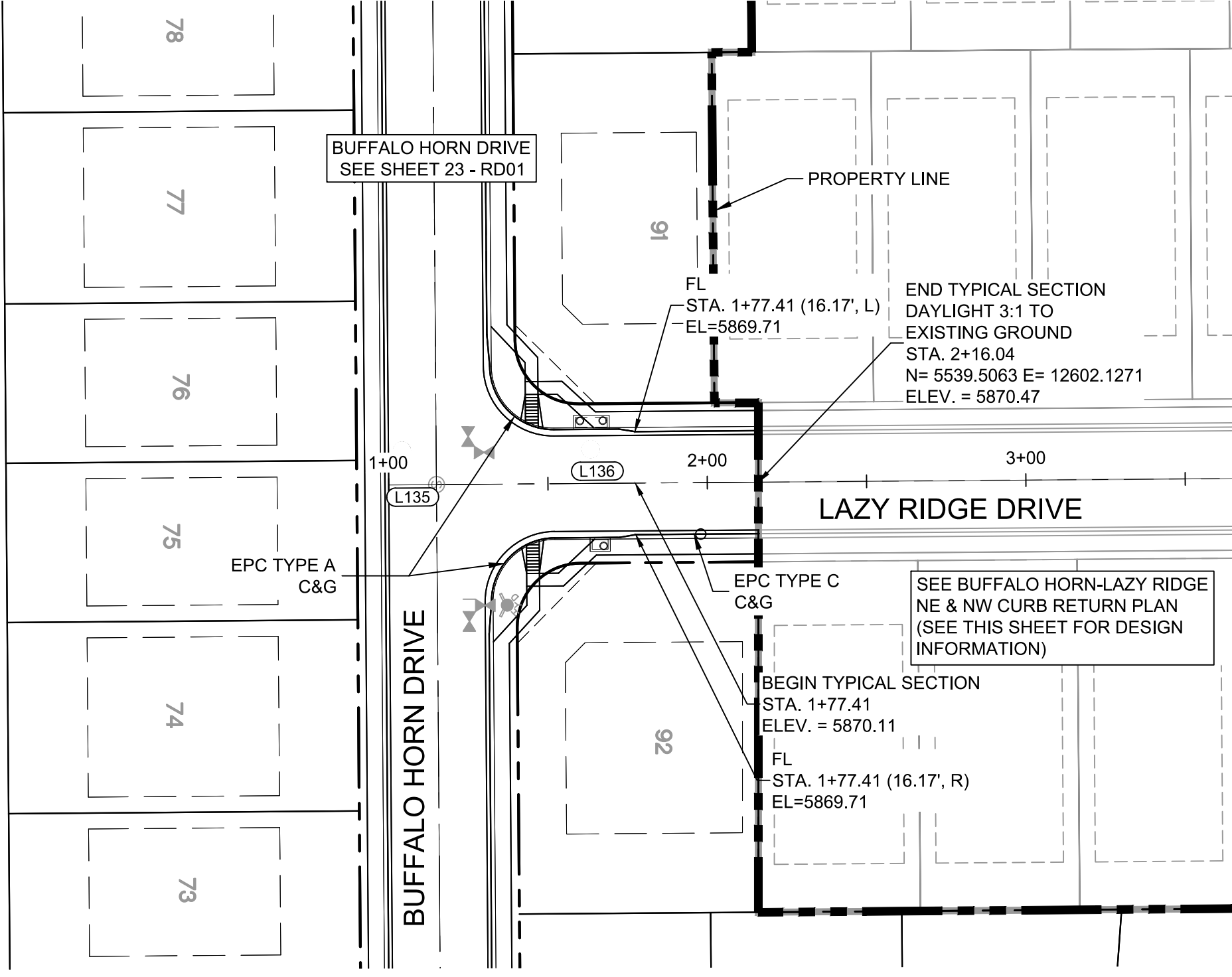




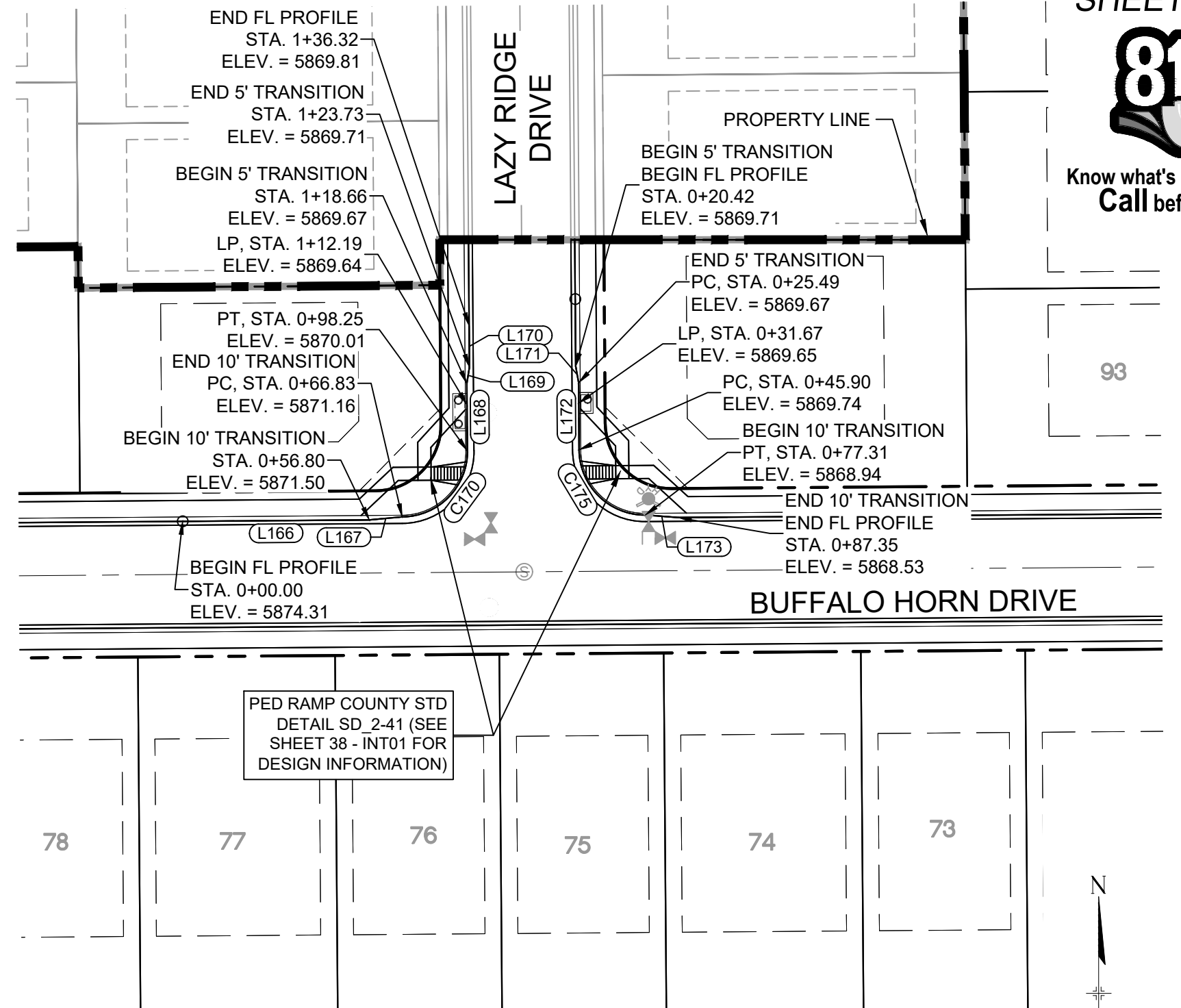
Know what's below.  
Call before you dig.



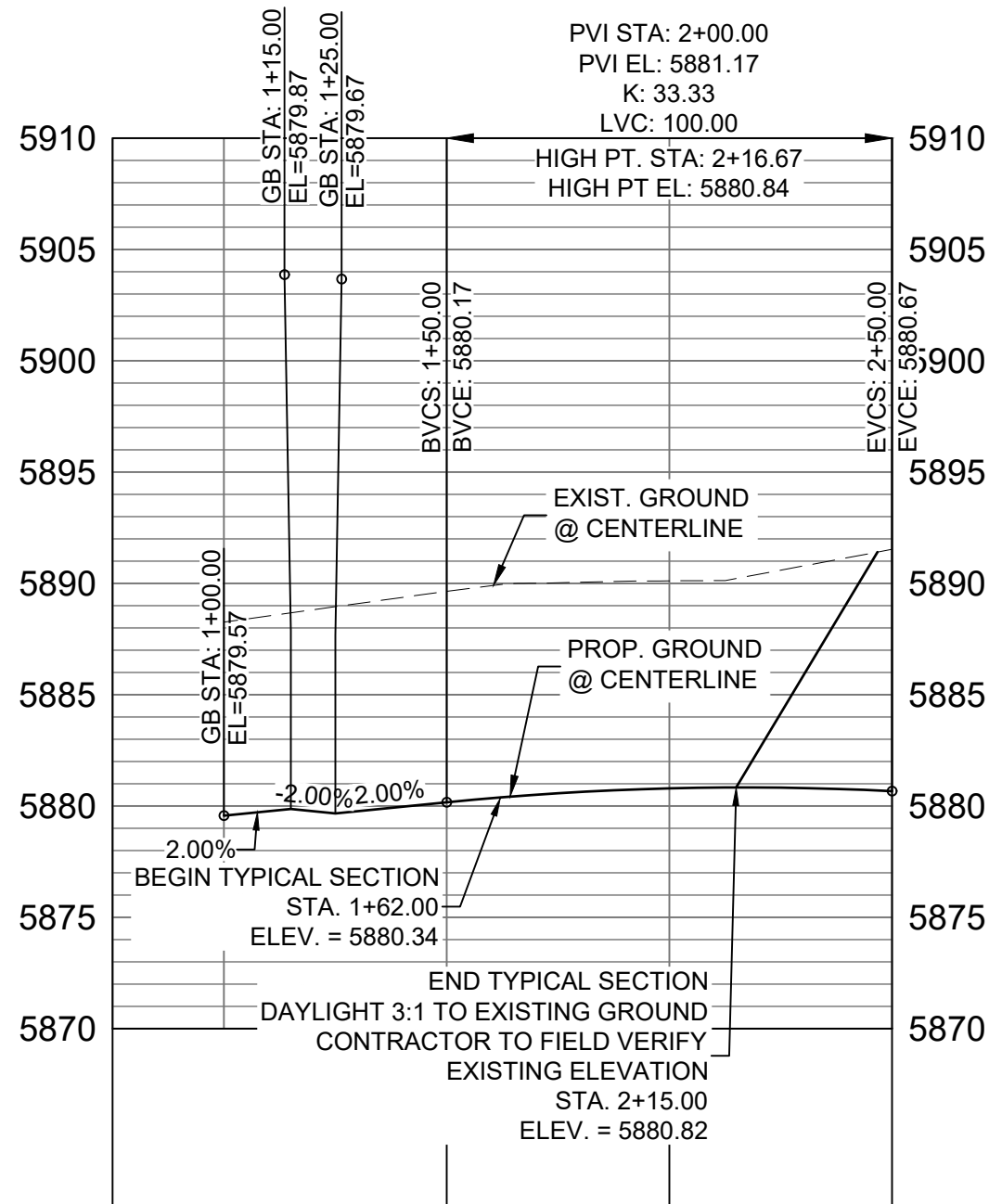
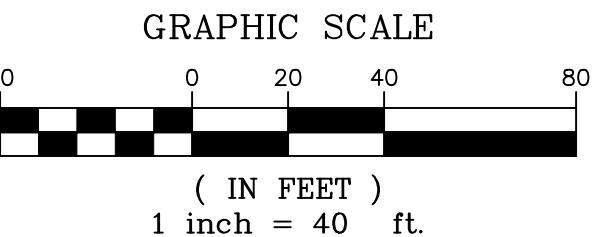
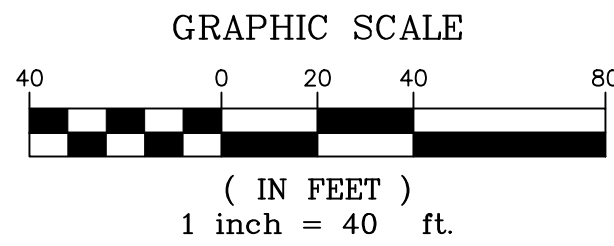
SIDEWINDER DRIVE PLAN



LAZY RIDGE DRIVE PLAN



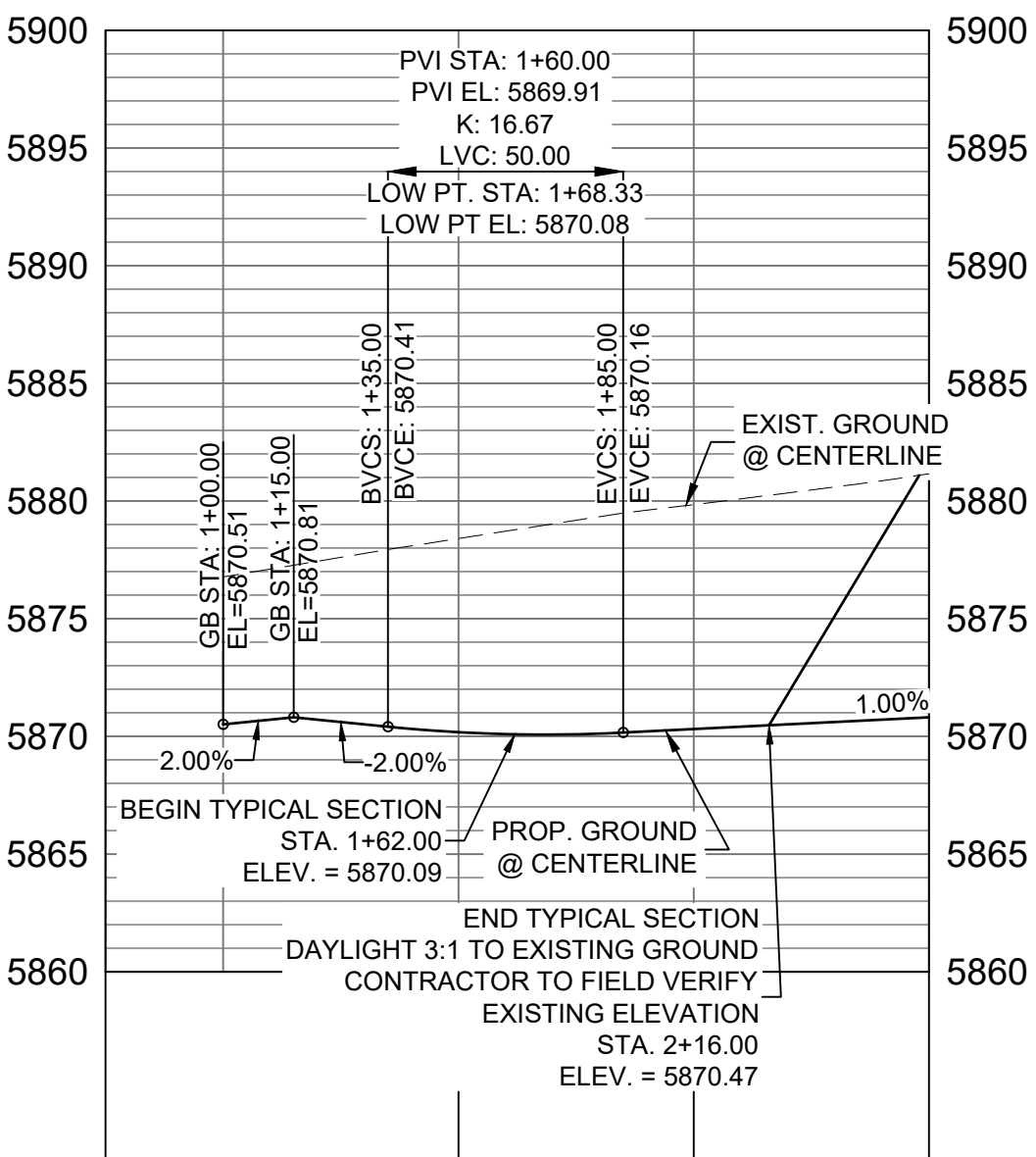
BUFFALO HORN DRIVE /  
LAZY RIDGE DRIVE  
CURB RETURNS PLAN



SIDEWINDER DRIVE CL PROFILE

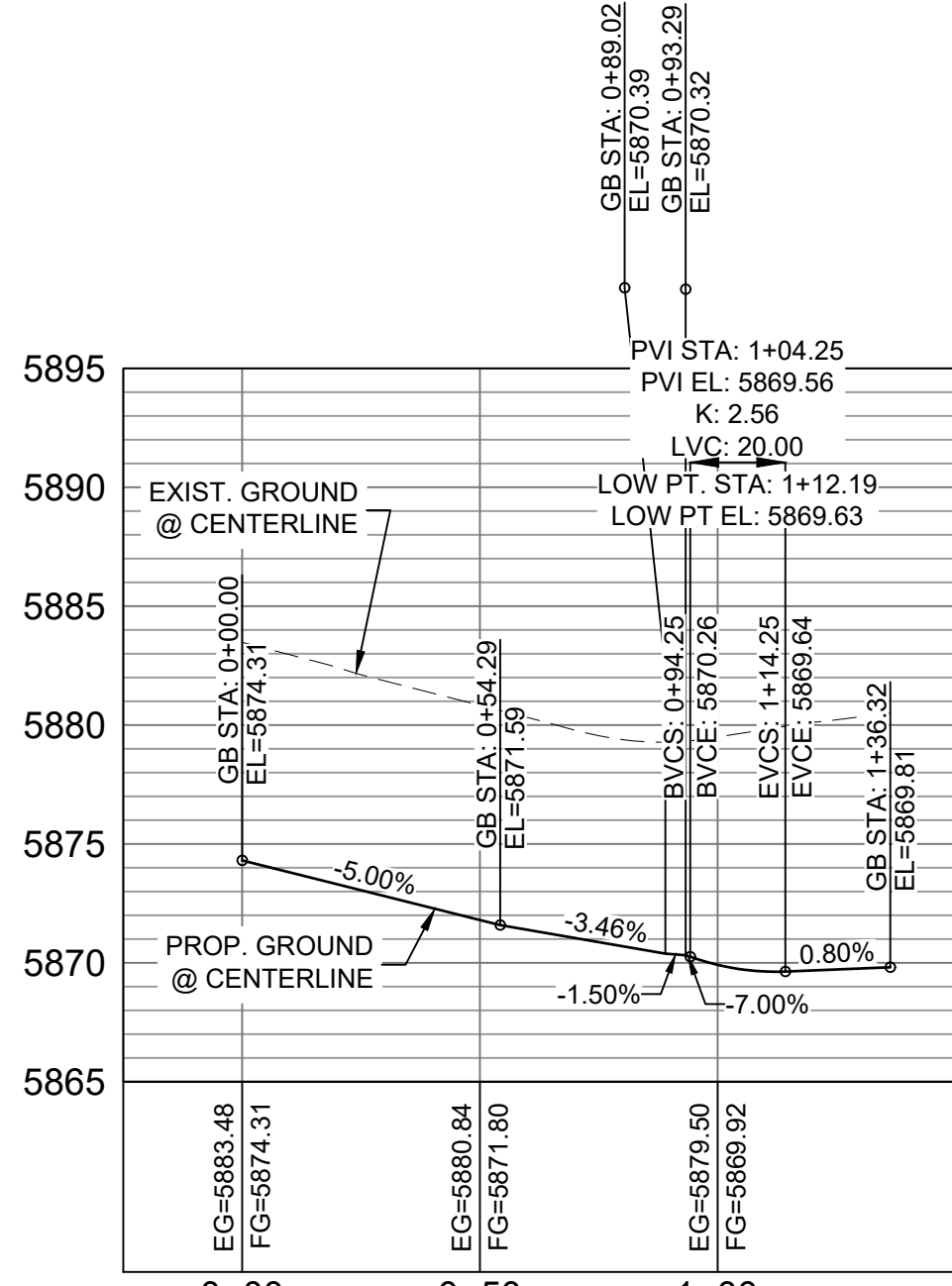
HORIZ: 1" = 40'  
VERT: 1" = 8'

LINE TABLE		
LINE #	BEARING	DISTANCE
L133	N00°26'25"W	15.00
L134	N00°26'25"W	100.00
L135	N00°26'25"W	15.00
L136	N00°26'25"W	101.04



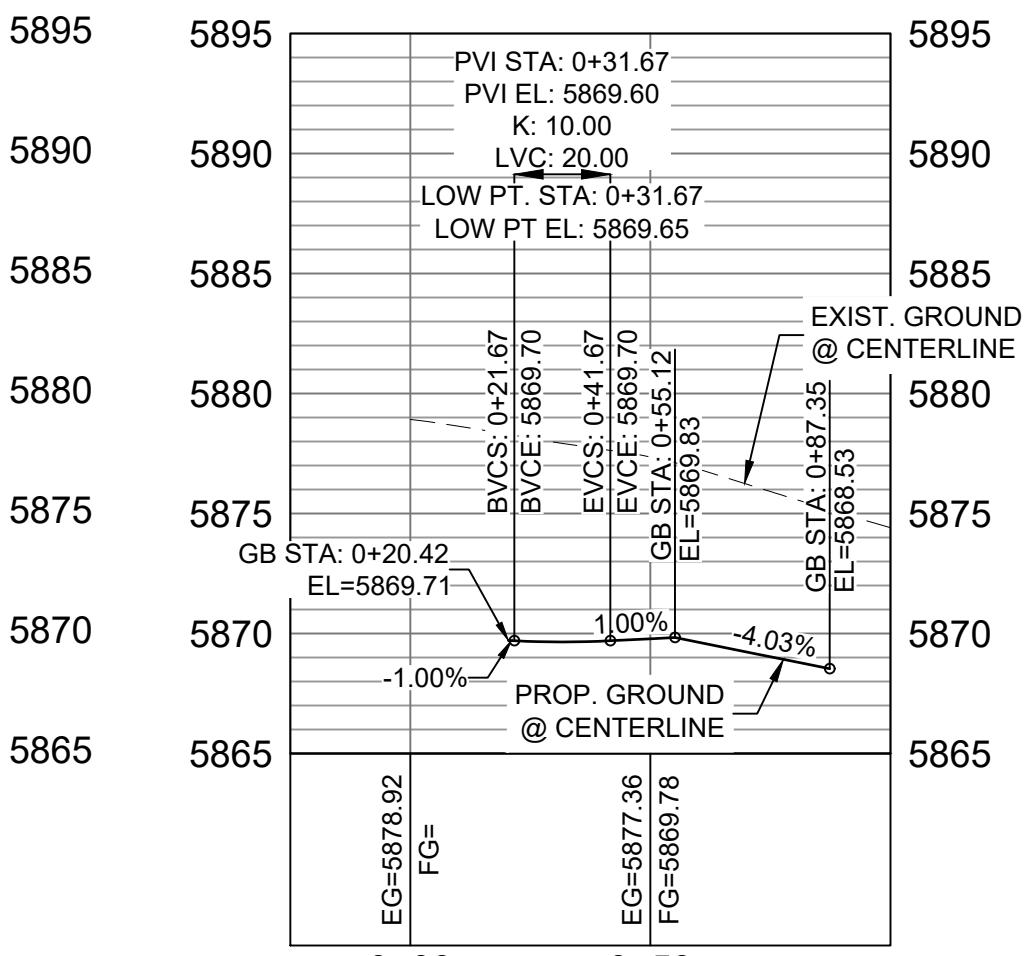
LAZY RIDGE DRIVE CL PROFILE

HORIZ: 1" = 40'  
VERT: 1" = 8'



BUFFALO HORN DRIVE /  
LAZY RIDGE DRIVE NW FL  
CURB RETURN PROFILE

HORIZ: 1" = 40'  
VERT: 1" = 8'



BUFFALO HORN DRIVE /  
LAZY RIDGE DRIVE NE FL  
CURB RETURN PROFILE

HORIZ: 1" = 40'  
VERT: 1" = 8'

LINE TABLE		
LINE #	BEARING	DISTANCE
L166	N89°33'35"E	56.80
L167	N84°47'46"E	10.03
L168	N00°26'25"W	20.41
L169	N09°01'19"E	5.07
L170	N00°26'25"W	12.59
L171	S09°54'09"E	5.07
L172	S00°26'25"E	20.41
L173	S85°40'36"E	10.03

CURVE TABLE			
CURVE #	ARC LENGTH	RADIUS	DELTA ANGLE
C170	31.42	20.00	90°00'00"
C175	31.42	20.00	90°00'00"

**BENCHMARK**  
COLORADO SPRINGS UTILITIES (FIMS) MONUMENT F206  
A BERNTSEN TOP SECURITY MONUMENT SYSTEM WITH A 3.5-INCH  
DIAMETER ALUMINUM CAP IN A ROAD BOX, LOCATED ON THE  
NORTHWEST CORNER OF FONTAINE BOULEVARD AND POWERS  
BOULEVARD,  
ELEVATION - 5897.89' U.S. SURVEY FT

**BASIS OF BEARING**  
BEARINGS ARE BASED ON THE NORTH LINE OF THE NORTHWEST  
QUARTER OF SECTION 9, TOWNSHIP 15 SOUTH, RANGE 65 WEST OF  
THE 6TH P.M. SAID LINE BEARS S89°51'23"E FROM THE NORTHWEST  
CORNER OF SAID SECTION 9 (2 1/2" AULM. CAP PLS 17664) TO THE N 1/4  
CORNER OF SAID SECTION 9 (3 1/2" AULM. CAP PLS 10377)

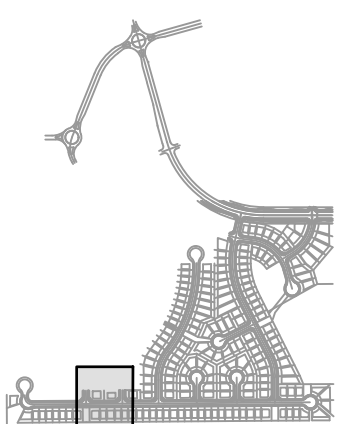
No.	DATE	DESCRIPTION	BY
COMPUTER FILE MANAGEMENT			
FILE NAME: S:\19 886.011\Trails at Aspen Ridge - F1\100 Dwg\104 Plan Sets\Construction Plans\Road & Storm Plans\RD01-04.dwg			
CTB FILE: COMM-TECH_D-SIZE_BW.ctb			
PLOT DATE: July 2, 2019 2:10:47 PM			
THIS DRAWING IS CURRENT AS OF PLOT DATE AND MAY BE SUBJECT TO CHANGE.			

**DESIGN DATA:**  
SIDEWALKS: WIDTH 5'  
LOCATION: ATTACHED ☒ DETACHED ☐  
DESIGN SPEED: 25 MPH  
CURB TYPE ☒ A ☐ B ☐ C ☐ D ☐ E  
ROW WIDTH 50' FL-FL 32'  
STREET TYPE RESIDENTIAL

PAVEMENT:  
TYPE: HMA ☐ PCC ☐  
THICKNESS: \_\_\_\_\_

COMPOSITE SECTION:  
HMA \_\_\_\_\_ BASE \_\_\_\_\_

SHEET KEY



REVIEW:  
STREET DESIGN:  
CURB & GUTTER REVIEW \_\_\_\_\_ DATE: \_\_\_\_\_  
FINAL REVIEW \_\_\_\_\_ DATE: \_\_\_\_\_  
DRAINAGE DESIGN:  
BY: \_\_\_\_\_ DATE: \_\_\_\_\_  
TRAFFIC DESIGN:  
BY: \_\_\_\_\_ DATE: \_\_\_\_\_

"Filed in accordance with Section 7.7.906 (Drainage Ordinance) of the code of the City of Colorado Springs, 2001 as amended.

PREPARED BY:



SEAL

FOR AND ON BEHALF OF  
MATRIX DESIGN GROUP, INC.  
PROJECT No. 19.886.011

TRAILS AT ASPEN RIDGE

FILING NO. 1  
ROADWAY & STORMDRAIN IMPROVEMENT PLANS

ROADWAY PLAN & PROFILE

DESIGNED BY: NMS	SCALE: 1"=40'	DATE ISSUED: JULY, 2019	DRAWING No. RD04
DRAWN BY: TJC	HORIZ: 1"=40'		
CHECKED BY: NMS	VERT: 1"=8'	SHEET 26 OF 71	

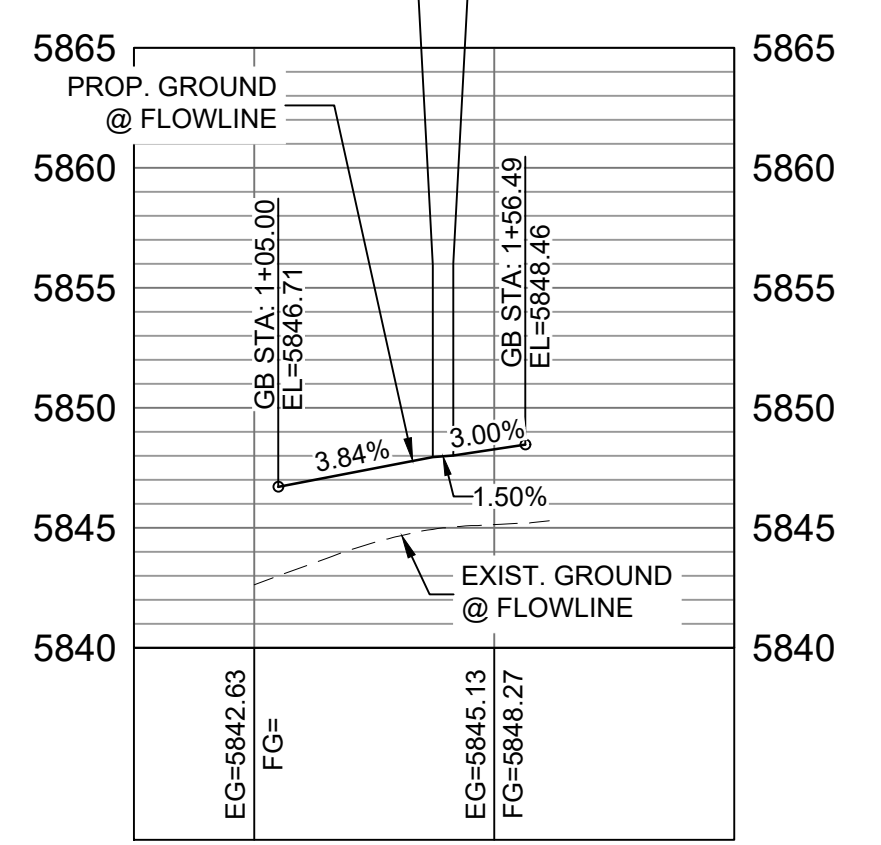
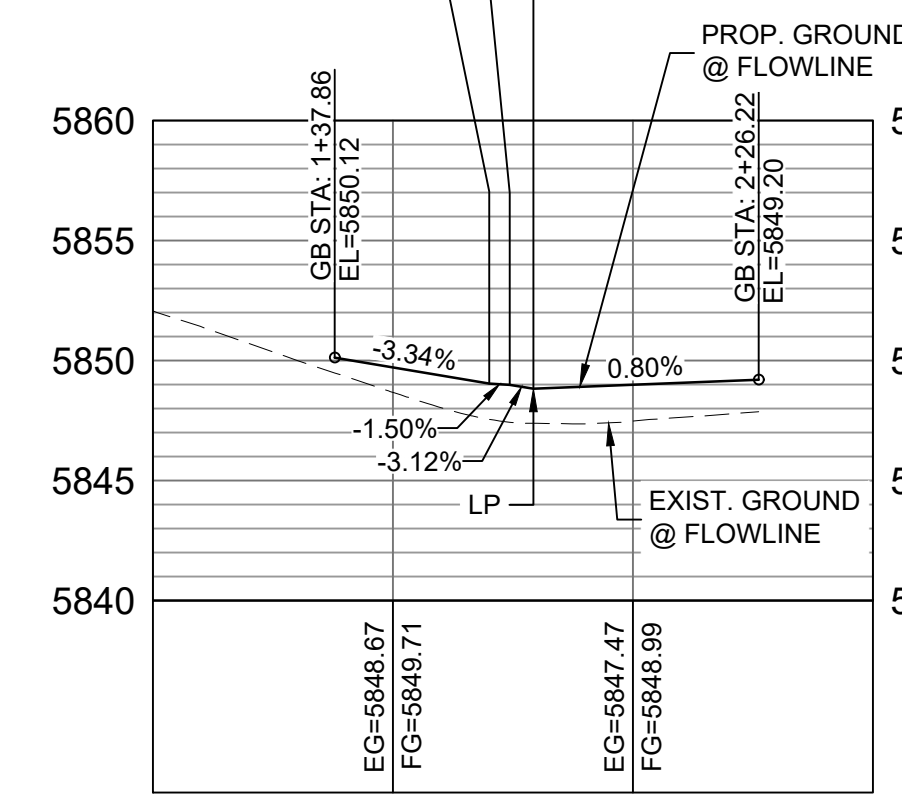
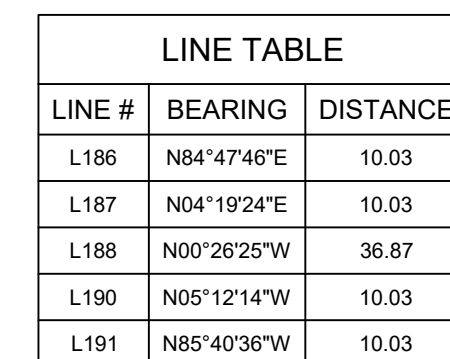
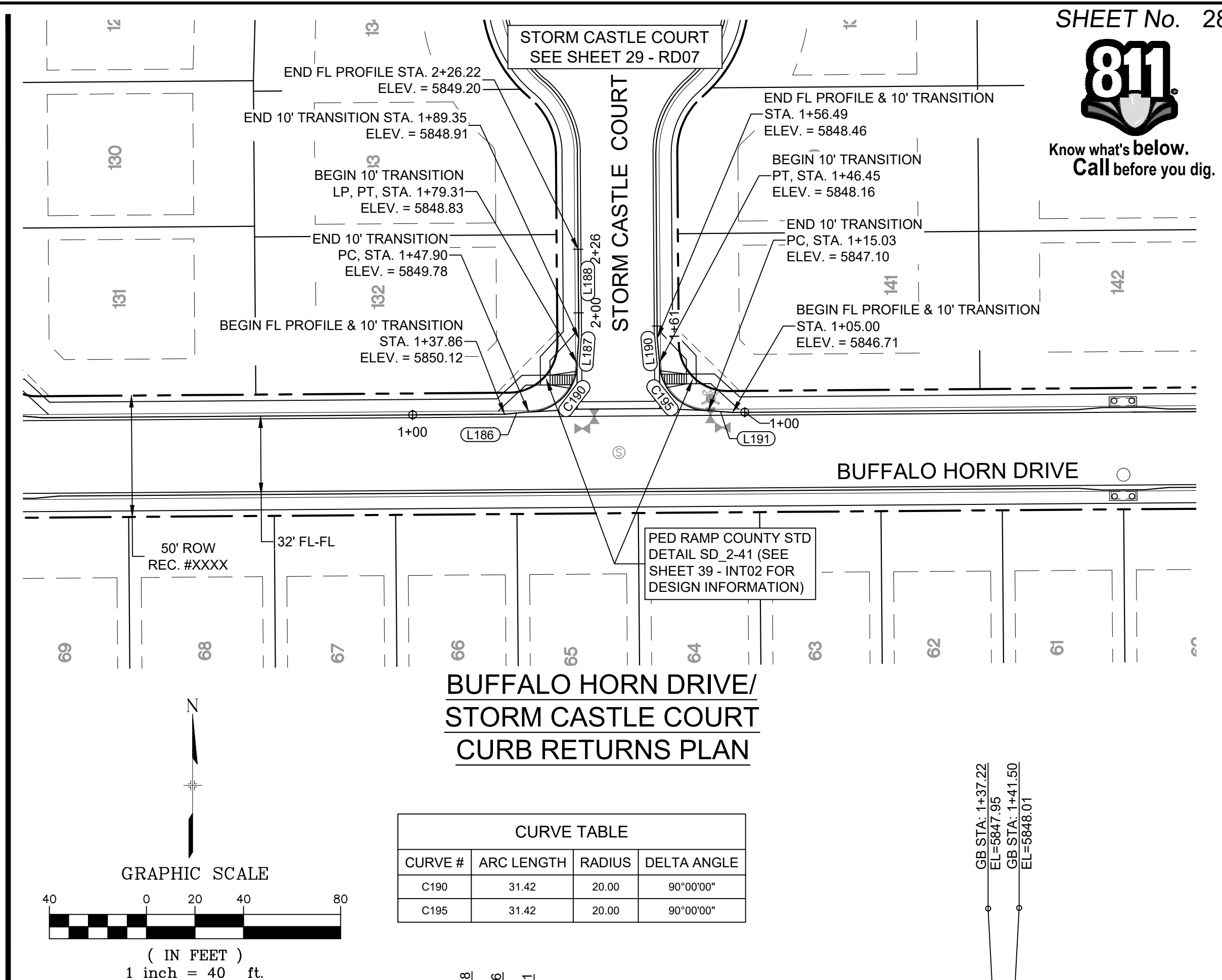
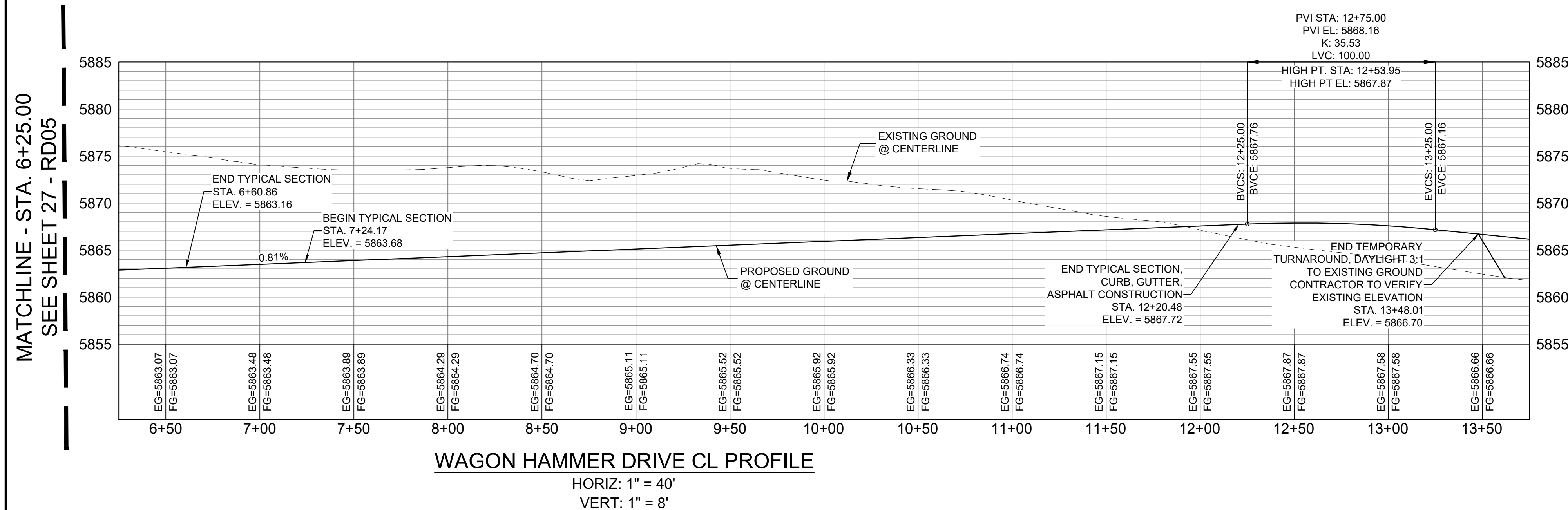
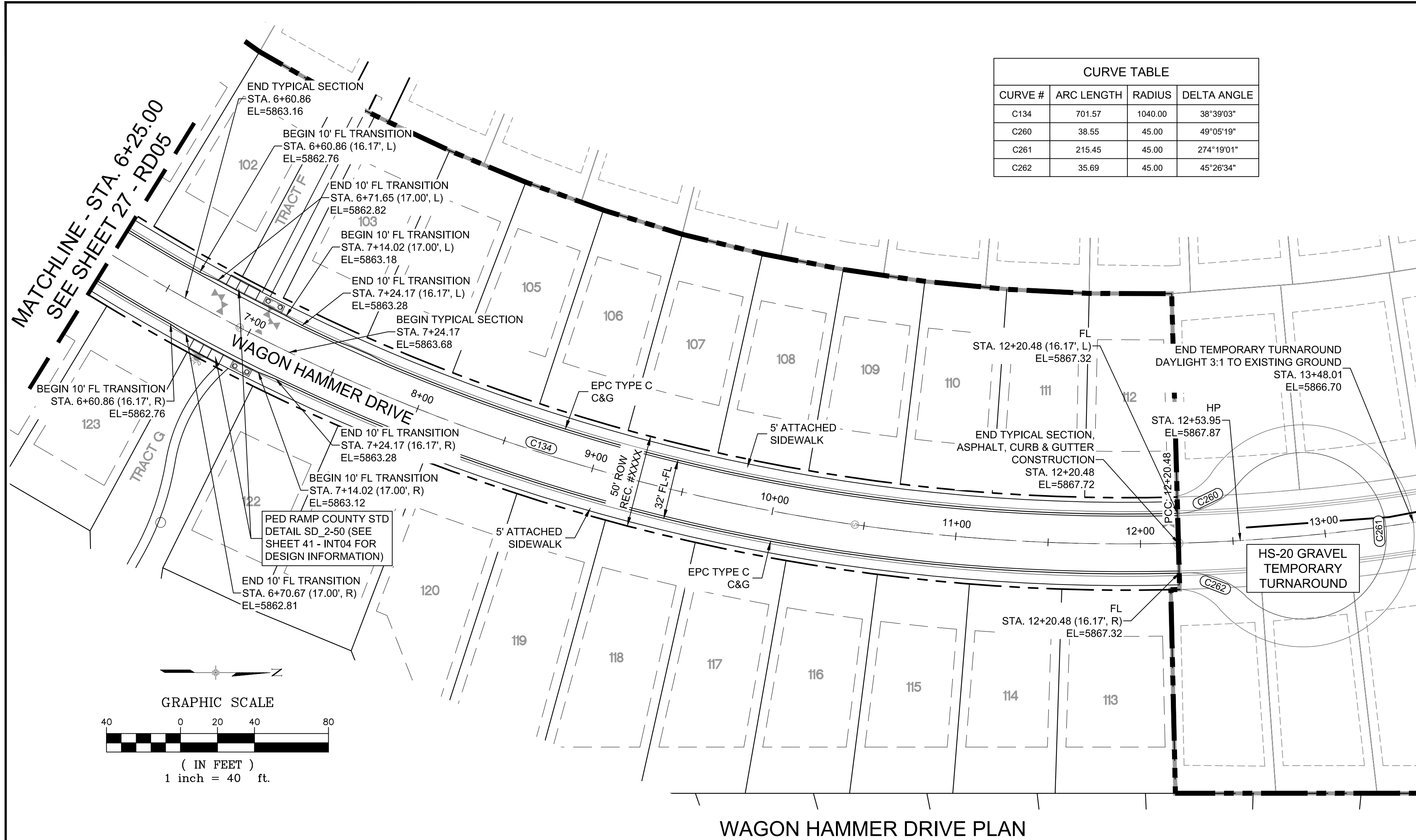








Know what's **below**.  
**Call** before you dig.



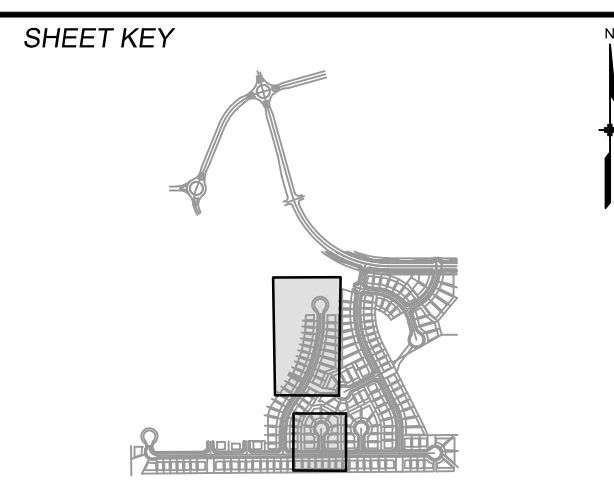
BUFFALO HORN DRIVE /  
STORM CASTLE COURT E FL  
CURB RETURN PROFILE

HORIZ: 1" = 40'  
VERT: 1" = 8'

**BENCHMARK**  
COLORADO SPRINGS UTILITIES (FIMS) MONUMENT F206  
A BERTINSEN TOP SECURITY MONUMENT SYSTEM WITH A 3.5-INCH  
DIAMETER ALUMINUM CAP IN A ROAD BOUL. LOCATED ON THE  
NORTHWEST CORNER OF FOUNTAINE BOULEVARD AND POWERS  
BOULEVARD.  
ELEVATION - 5897.89' U.S. SURVEY FT

**BASIS OF BEARING**  
BEARINGS ARE BASED ON THE NORTH LINE OF THE NORTHWEST  
QUARTER OF SECTION 9, TOWNSHIP 15 SOUTH, RANGE 66 WEST OF  
THE 10TH PRINCIPAL MERIDIAN, 95°12'00" FROM THE NORTHWEST  
CORNER OF SAID SECTION 9 (2 1/2" AULM. CAP PLS 17664) TO THE N 1/4  
CORNER OF SAID SECTION 9 (3 1/2" AULM. CAP PLS 10377)

No.	DATE	DESCRIPTION	BY
<b>REVISIONS</b>			
<b>COMPUTER FILE MANAGEMENT</b>			
FILE NAME: S:\19.886\011 (Trails at Aspen Ridge - F1)\100 Dwg\104 Plan Sets\Construction Plans\Road & Storm Plans\RD05-08.dwg			
CTB FILE: COMM-TECH_D-SIZE_BW.ctb			
PLOT DATE: July 2, 2019 1:39:12 PM			
THIS DRAWING IS CURRENT AS OF PLOT DATE AND MAY BE SUBJECT TO CHANGE.			



REVIEW:

STREET DESIGN:

CURB & GUTTER REVIEW \_\_\_\_\_ DATE: \_\_\_\_\_

FINAL REVIEW \_\_\_\_\_ DATE: \_\_\_\_\_

DRAINAGE DESIGN:

BY: \_\_\_\_\_ DATE: \_\_\_\_\_

TRAFFIC DESIGN:

BY: \_\_\_\_\_ DATE: \_\_\_\_\_

*"Filed in accordance with Section 7.7.906 (Drainage Ordinance) of the code of the City of Colorado Springs, 2001 as amended.*

PREPARED BY:



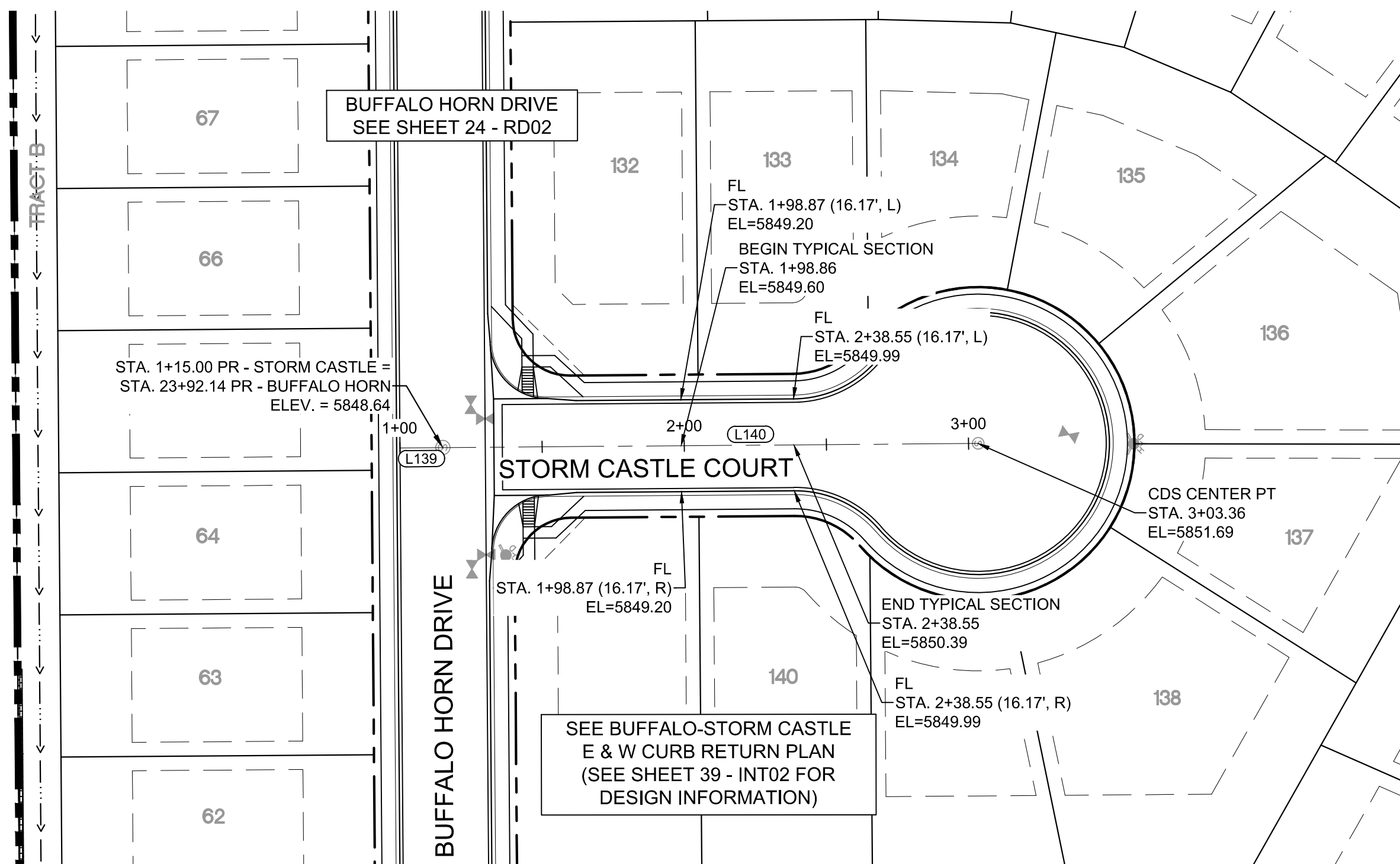
SEAL

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FOR AND ON BEHALF OF  
MATRIX DESIGN GROUP, INC.  
PROJECT No. 19.886.011

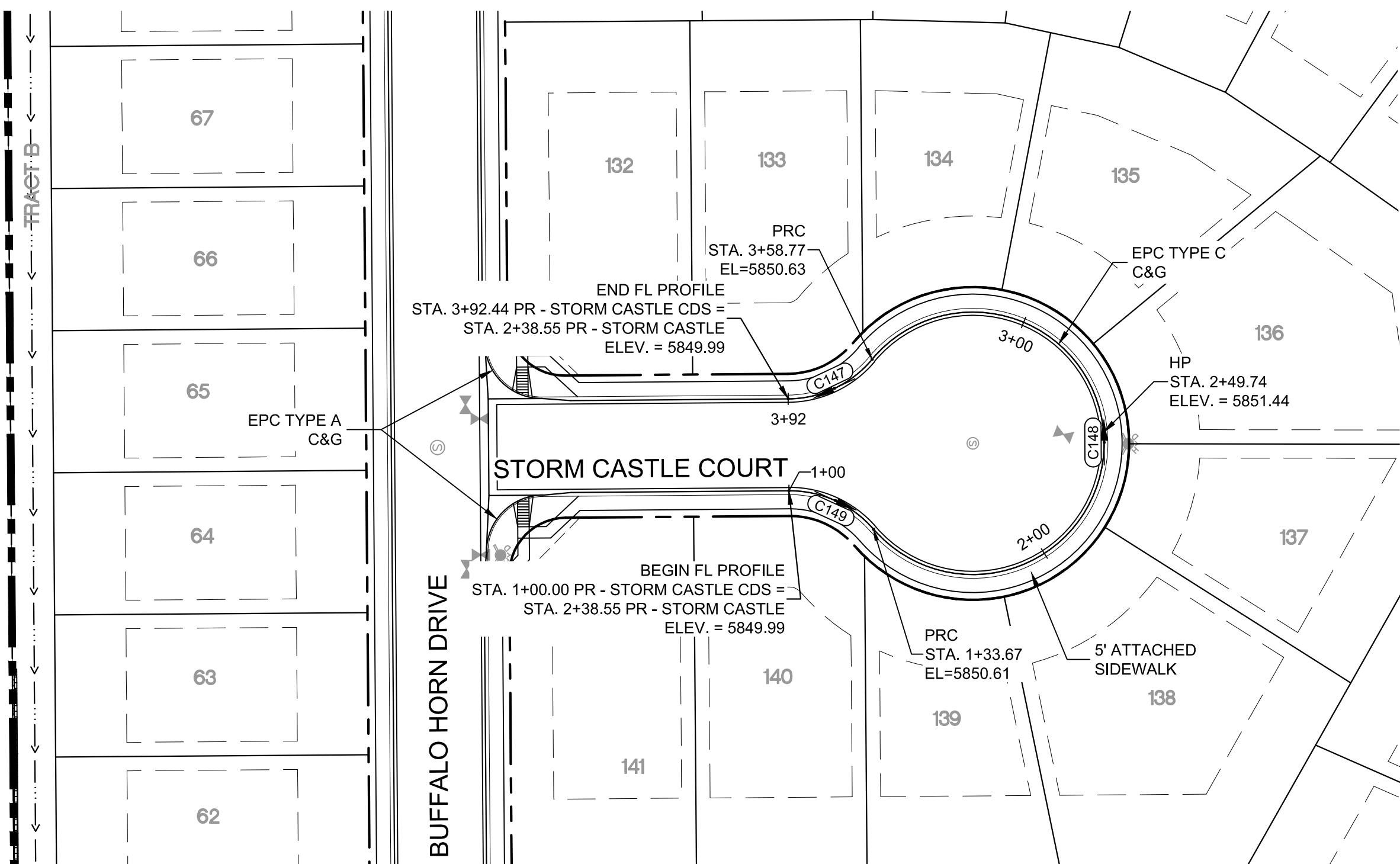
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<h2 style="text-align: center;">FILING NO. 1 ROADWAY &amp; STORMDRAIN IMPROVEMENT PLANS</h2>			
<h3 style="text-align: center;">ROADWAY PLAN &amp; PROFILE</h3>			
DESIGNED BY:	NMS	SCALE	DATE ISSUED:
DRAWN BY:	TJC	HORIZ 1"=40'	JULY, 2019
CHECKED BY:	NMS	VERT. 1"=8'	28 OF 71
			DRAWING No. RD06



Know what's below.  
Call before you dig.

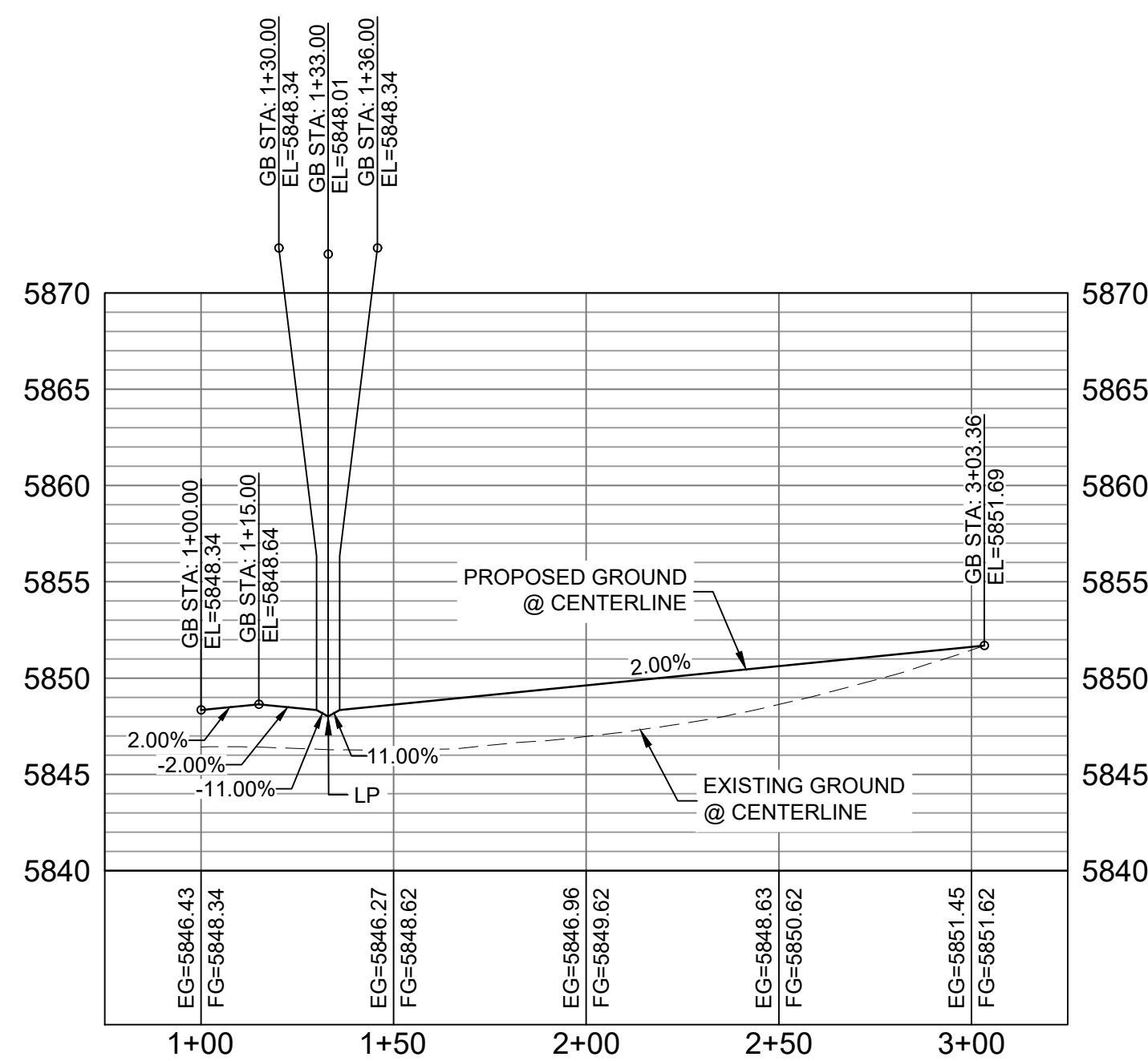
STORM CASTLE COURT PLAN

LINE TABLE		
LINE #	BEARING	DISTANCE
L139	N00°26'25"W	15.00
L140	N00°26'25"W	188.36

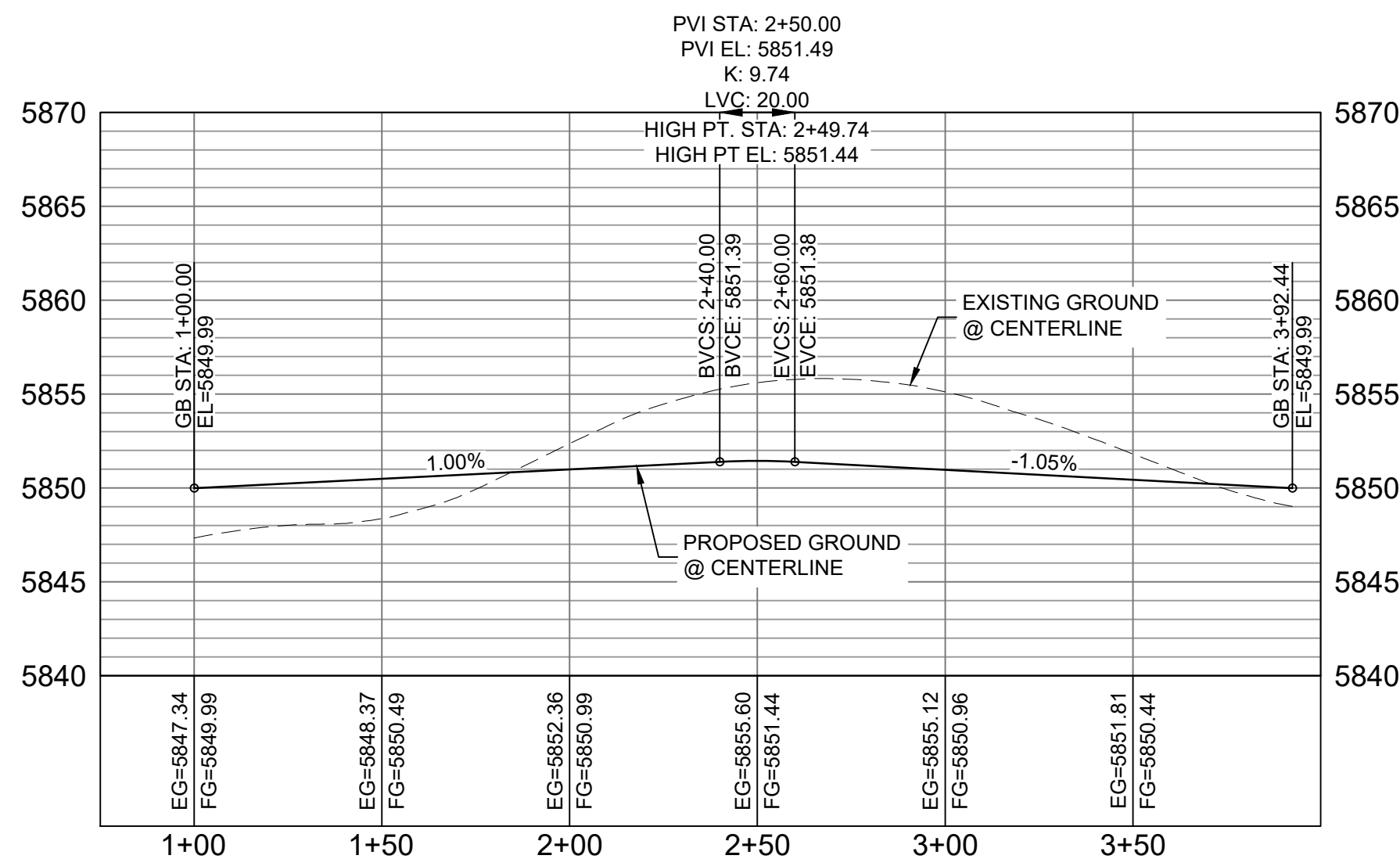
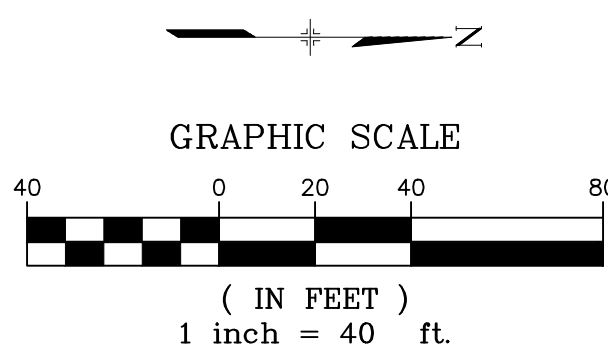


STORM CASTLE COURT CDS PLAN

CURVE TABLE			
CURVE #	ARC LENGTH	RADIUS	DELTA ANGLE
C147	33.67	38.83	49°40'47"
C148	225.10	46.17	279°21'34"
C149	33.67	38.83	49°40'47"



STORM CASTLE COURT CL PROFILE

HORIZ: 1" = 40'  
VERT: 1" = 8'

STORM CASTLE COURT CDS FL PROFILE

HORIZ: 1" = 40'  
VERT: 1" = 8'

**BENCHMARK**  
COLORADO SPRINGS UTILITIES (FIMS) MONUMENT F206  
A BERNTSEN TOP SECURITY MONUMENT SYSTEM WITH A 3.5-INCH  
DIAMETER ALUMINUM CAP IN A ROAD BOX, LOCATED ON THE  
NORTHWEST CORNER OF FONTAINE BOULEVARD AND POWERS  
BOULEVARD,  
ELEVATION - 5897.89' U.S. SURVEY FT

**BASIS OF BEARING**  
BEARINGS ARE BASED ON THE NORTH LINE OF THE NORTHWEST  
QUARTER OF SECTION 9, TOWNSHIP 15 SOUTH, RANGE 65 WEST OF  
THE 6TH P.M. SAID LINE BEARS S89°51'23"E FROM THE NORTHWEST  
CORNER OF SAID SECTION 9 (2 1/4" AULM. CAP PLS 17664) TO THE N 1/4  
CORNER OF SAID SECTION 9 (3 1/4" AULM. CAP PLS 10377)

No.	DATE	DESCRIPTION	BY
COMPUTER FILE MANAGEMENT			
FILE NAME: S:\19.886.011 (Trails at Aspen Ridge - F1)\100 Dwg\104 Plan Sets\Construction Plans\Road & Storm Plans\RD05-08.dwg			
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THIS DRAWING IS CURRENT AS OF PLOT DATE AND MAY BE SUBJECT TO CHANGE.			

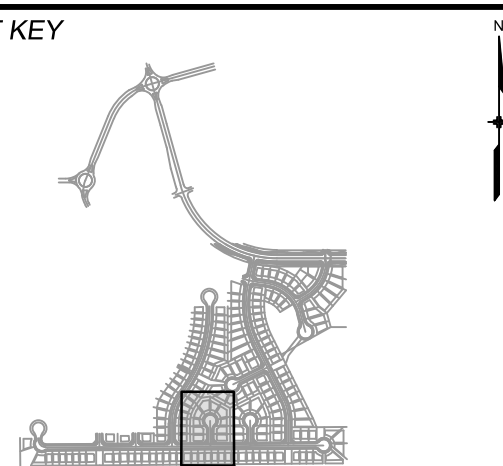
## DESIGN DATA:

SIDEWALKS: WIDTH 5'  
LOCATION: ATTACHED ☒ DETACHED ☐  
DESIGN SPEED: 25 MPH  
CURB TYPE ☒ A ☐ B ☐ C ☐ D ☐ E  
ROW WIDTH 50' FL-FL 32'  
STREET TYPE RESIDENTIAL

PAVEMENT:  
TYPE: HMA ☐ PCC ☐  
THICKNESS:

COMPOSITE SECTION:  
HMA ☐ BASE ☐

## SHEET KEY



## REVIEW:

STREET DESIGN:  
CURB & GUTTER REVIEW \_\_\_\_\_ DATE: \_\_\_\_\_  
FINAL REVIEW \_\_\_\_\_ DATE: \_\_\_\_\_  
DRAINAGE DESIGN:  
BY: \_\_\_\_\_ DATE: \_\_\_\_\_  
TRAFFIC DESIGN:  
BY: \_\_\_\_\_ DATE: \_\_\_\_\_

\*Filed in accordance with Section 7.7.906 (Drainage Ordinance) of the code of the City of Colorado Springs, 2001 as amended.

PREPARED BY:

**Matrix**  
DESIGN GROUP

## SEAL

FOR AND ON BEHALF OF  
MATRIX DESIGN GROUP, INC.  
PROJECT No. 19.886.011

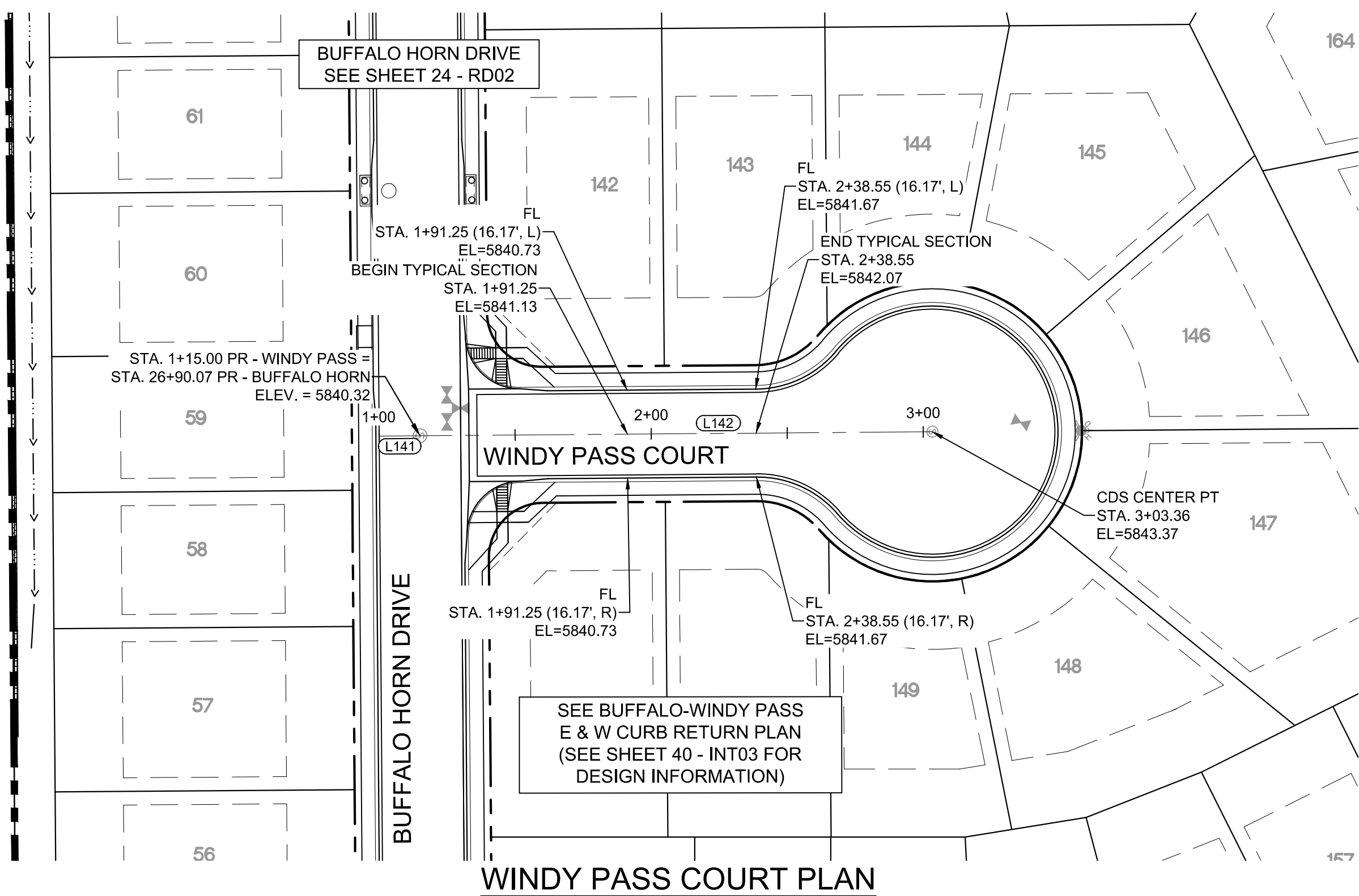
## TRAILS AT ASPEN RIDGE

FILING NO. 1  
ROADWAY & STORMDRAIN IMPROVEMENT PLANS

## ROADWAY PLAN &amp; PROFILE

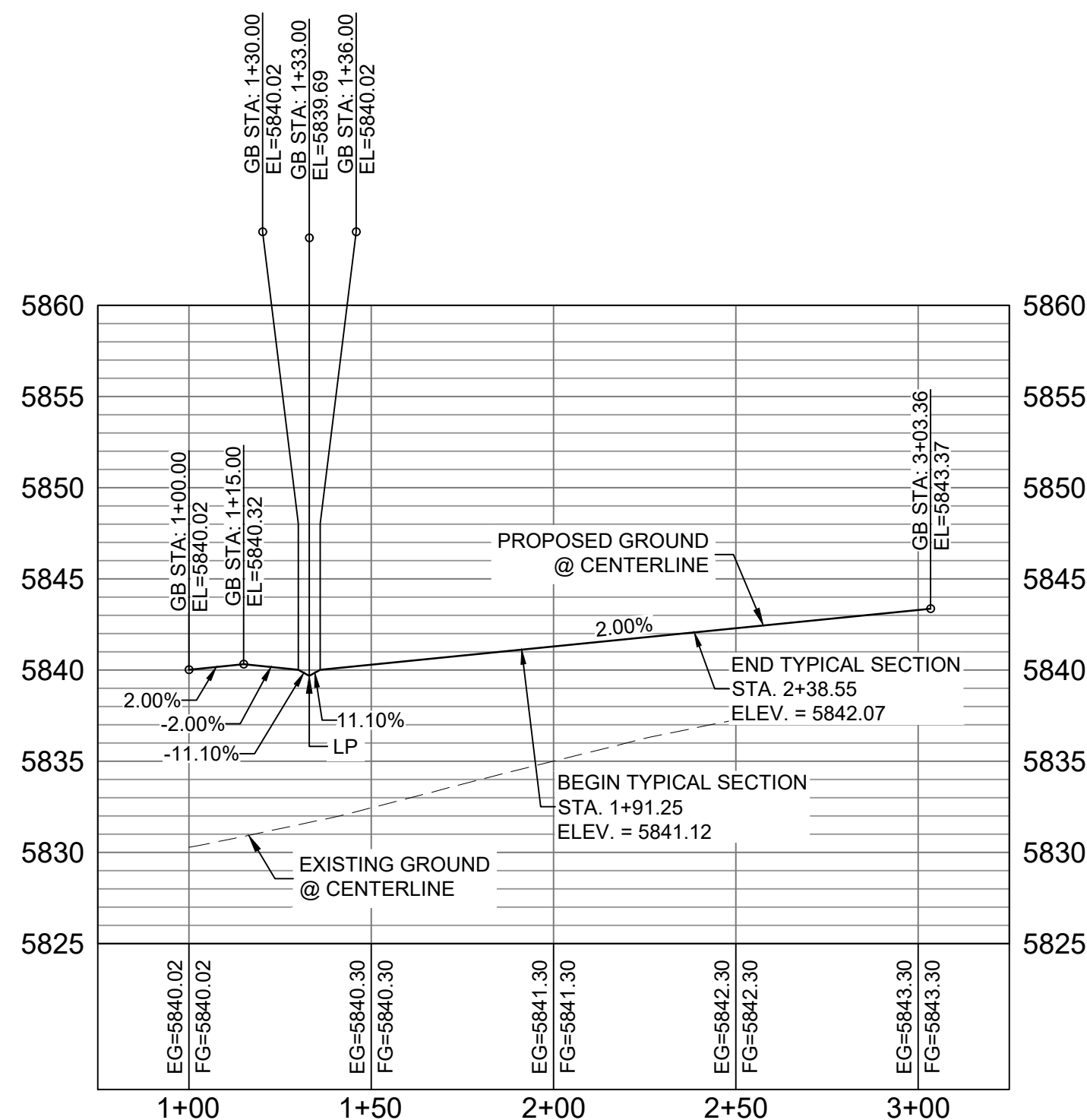
DESIGNED BY:	NMS	SCALE	DATE ISSUED:	JULY, 2019	DRAWING No.
DRAWN BY:	TJC	HORIZ: 1"=40'	SHEET	29 OF 71	RD07
CHECKED BY:	NMS	VERT: 1"=8'			



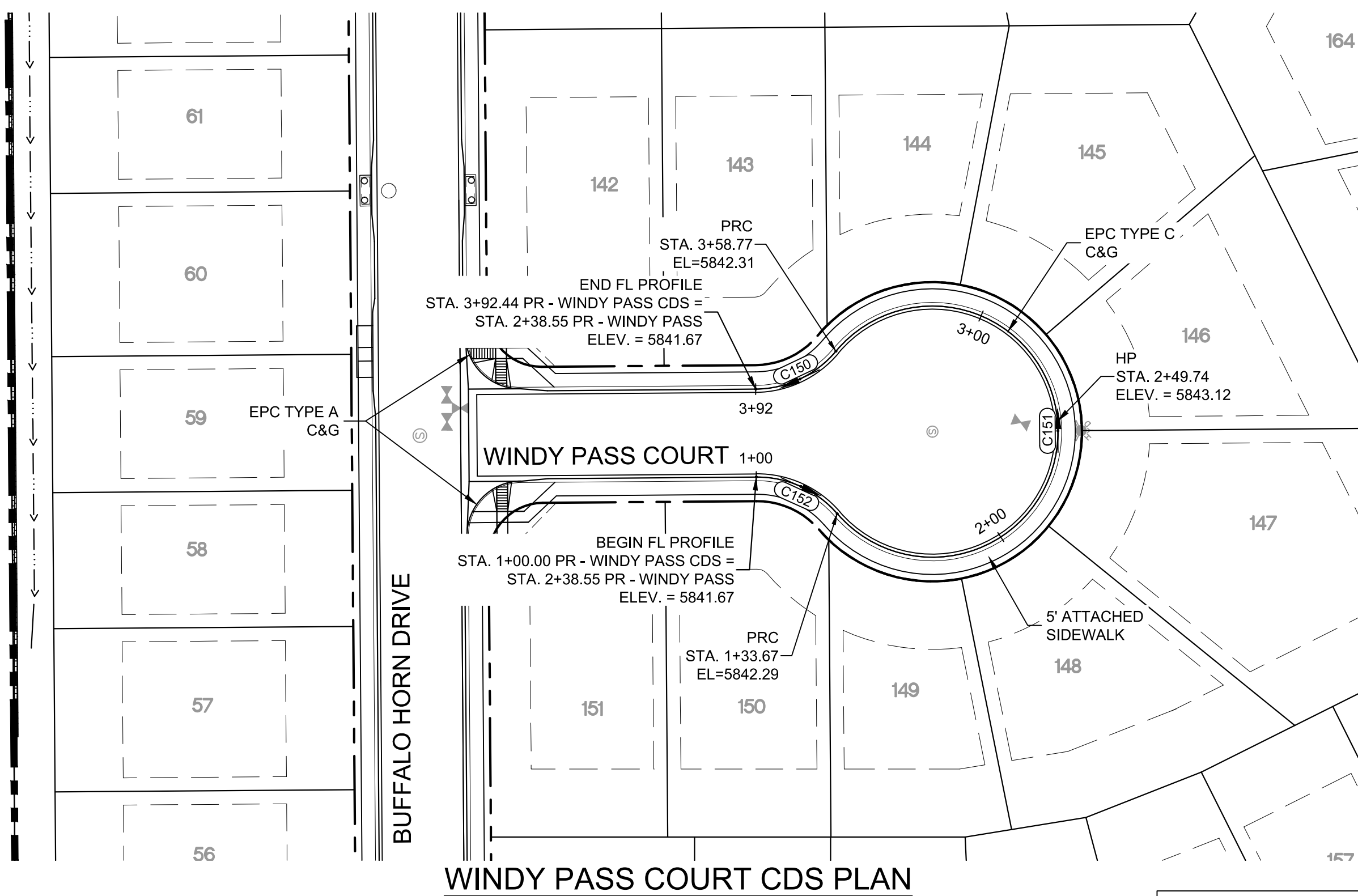
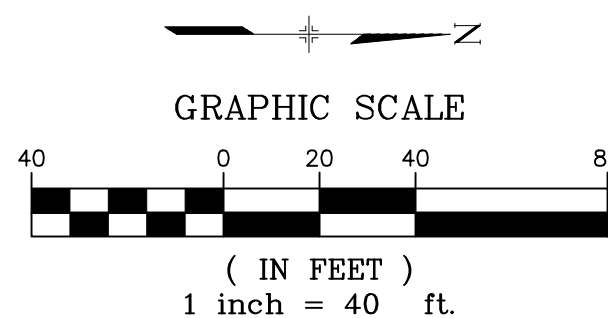
Know what's below.  
Call before you dig.

WINDY PASS COURT PLAN

LINE TABLE		
LINE #	BEARING	DISTANCE
L141	N00°26'25"W	15.00
L142	N00°26'25"W	188.36

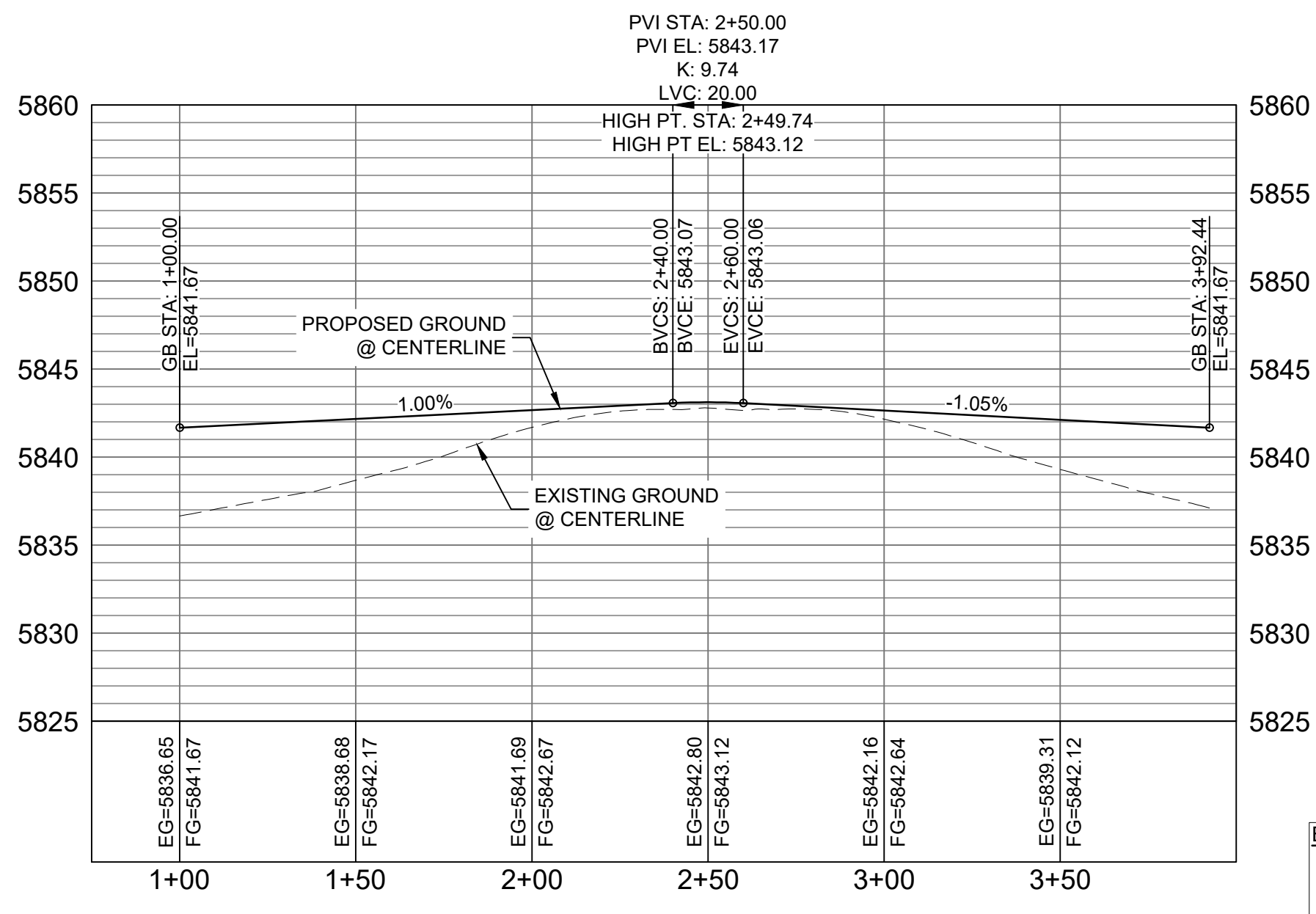


WINDY PASS COURT CL PROFILE

HORIZ: 1" = 40'  
VERT: 1" = 8'

WINDY PASS COURT CDS PLAN

CURVE TABLE			
CURVE #	ARC LENGTH	RADIUS	DELTA ANGLE
C150	33.67	38.83	49°40'47"
C151	225.10	46.17	279°21'34"
C152	33.67	38.83	49°40'47"



WINDY PASS COURT CDS CL PROFILE

HORIZ: 1" = 40'  
VERT: 1" = 8'

**BENCHMARK**  
COLORADO SPRINGS UTILITIES (FIMS) MONUMENT F206  
A BERNTSEN TOP SECURITY MONUMENT SYSTEM WITH A 3.5-INCH  
DIAMETER ALUMINUM CAP IN A ROAD BOX, LOCATED ON THE  
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ELEVATION - 5897.89' U.S. SURVEY FT

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QUARTER OF SECTION 9, TOWNSHIP 15 SOUTH, RANGE 65 WEST OF  
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CORNER OF SAID SECTION 9 (2 1/2" AULM. CAP PLS 17664) TO THE N 1/4  
CORNER OF SAID SECTION 9 (3 1/2" AULM. CAP PLS 10377)

No.	DATE	DESCRIPTION	BY
COMPUTER FILE MANAGEMENT			
FILE NAME: S:\19.886.011 (Trails at Aspen Ridge - F1)\100 Dwg\104 Plan Sets\Construction Plans\Road & Storm Plans\RD05-08.dwg			
CTB FILE: COMM-TECH D-SIZE_BW.ctb			
PLOT DATE: July 2, 2019 1:40:14 PM			
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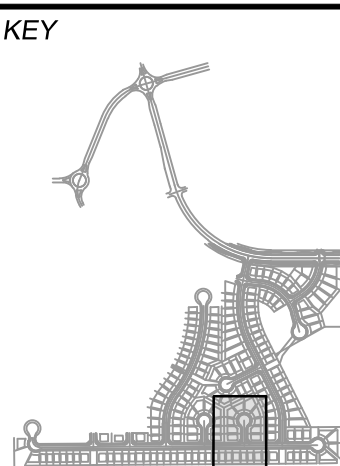
## DESIGN DATA:

SIDEWALKS: WIDTH 5'  
LOCATION: ATTACHED ☒ DETACHED ☐  
DESIGN SPEED: 25 MPH  
CURB TYPE ☒ A ☐ B ☐ C ☐ D ☐ E  
ROW WIDTH 50' FL-FL 32'  
STREET TYPE RESIDENTIAL

PAVEMENT:  
TYPE: HMA ☐ PCC ☐  
THICKNESS:

COMPOSITE SECTION:  
HMA ☐ BASE ☐

## SHEET KEY



## REVIEW:

STREET DESIGN:  
CURB & GUTTER REVIEW \_\_\_\_\_ DATE: \_\_\_\_\_  
FINAL REVIEW \_\_\_\_\_ DATE: \_\_\_\_\_  
DRAINAGE DESIGN:  
BY: \_\_\_\_\_ DATE: \_\_\_\_\_  
TRAFFIC DESIGN:  
BY: \_\_\_\_\_ DATE: \_\_\_\_\_

\*Filed in accordance with Section 7.7.906 (Drainage Ordinance) of the code of the City of Colorado Springs, 2001 as amended.

PREPARED BY:

**Matrix**  
DESIGN GROUP

## SEAL

FOR AND ON BEHALF OF  
MATRIX DESIGN GROUP, INC.  
PROJECT No. 19.886.011

## TRAILS AT ASPEN RIDGE

FILING NO. 1  
ROADWAY & STORMDRAIN IMPROVEMENT PLANS

## ROADWAY PLAN &amp; PROFILE

DESIGNED BY:	NMS	SCALE	DATE ISSUED:	JULY, 2019	DRAWING No.
DRAWN BY:	TJC	HORIZ: 1"=40'	SHEET	30 OF 71	RD08
CHECKED BY:	NMS	VERT: 1"=8'			

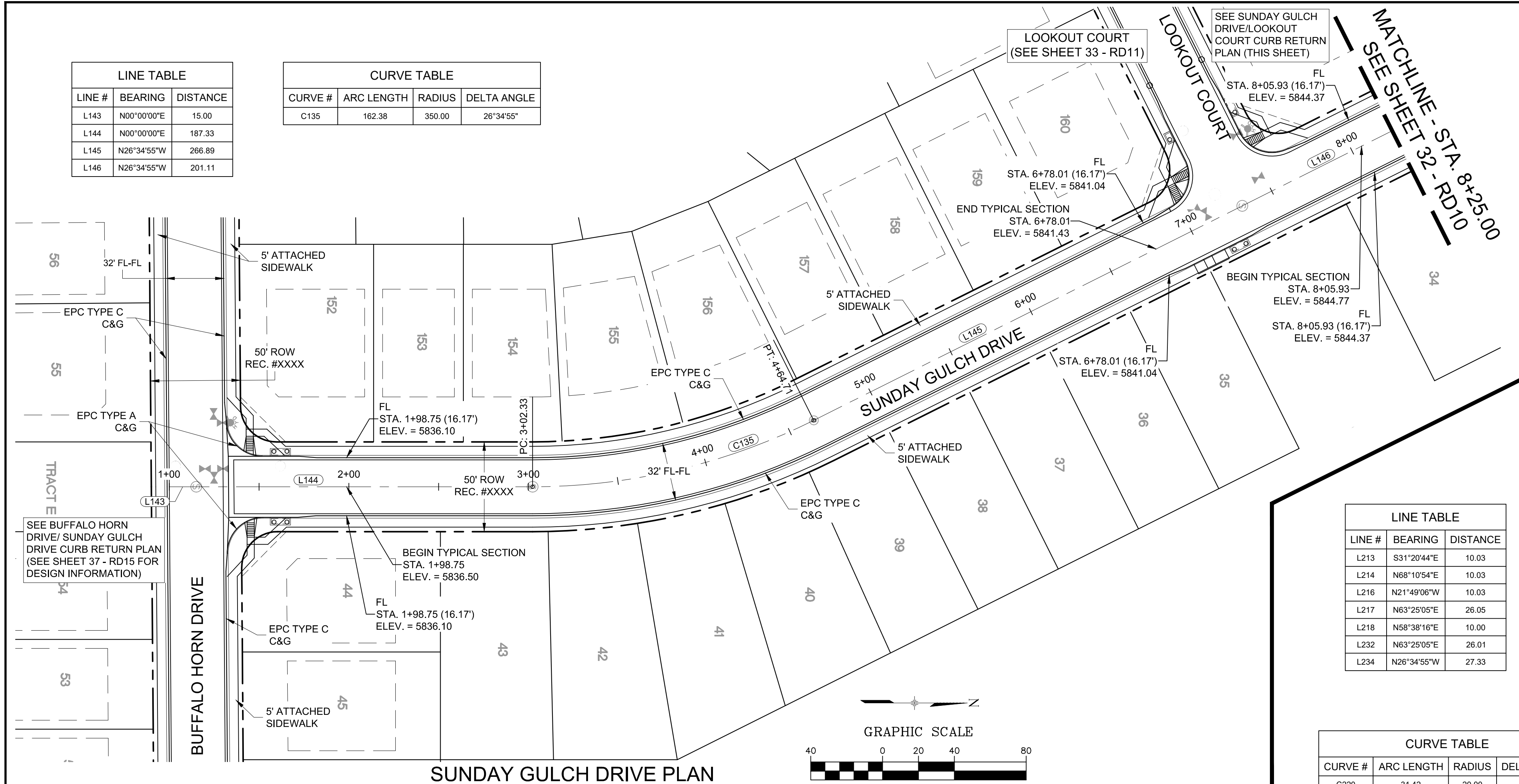




Know what's **below**.  
**Call** before you dig.

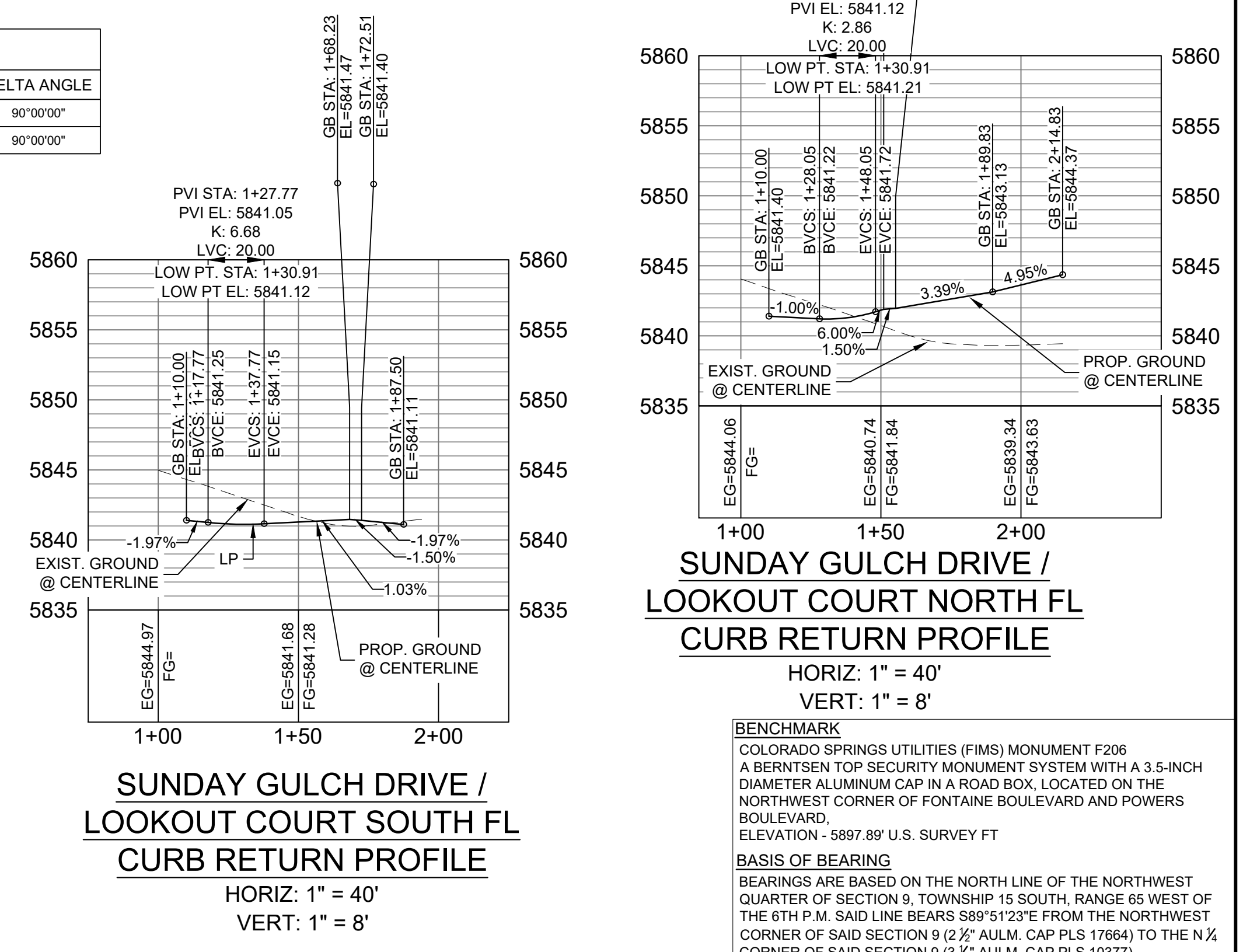
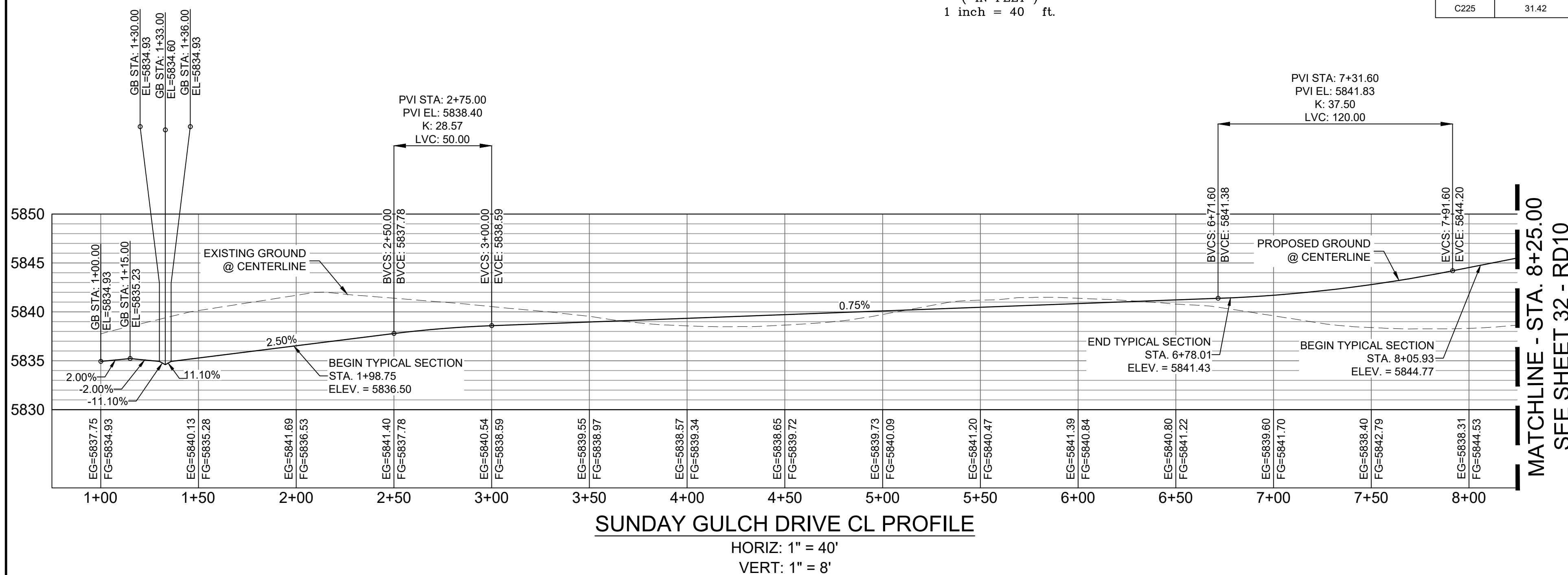
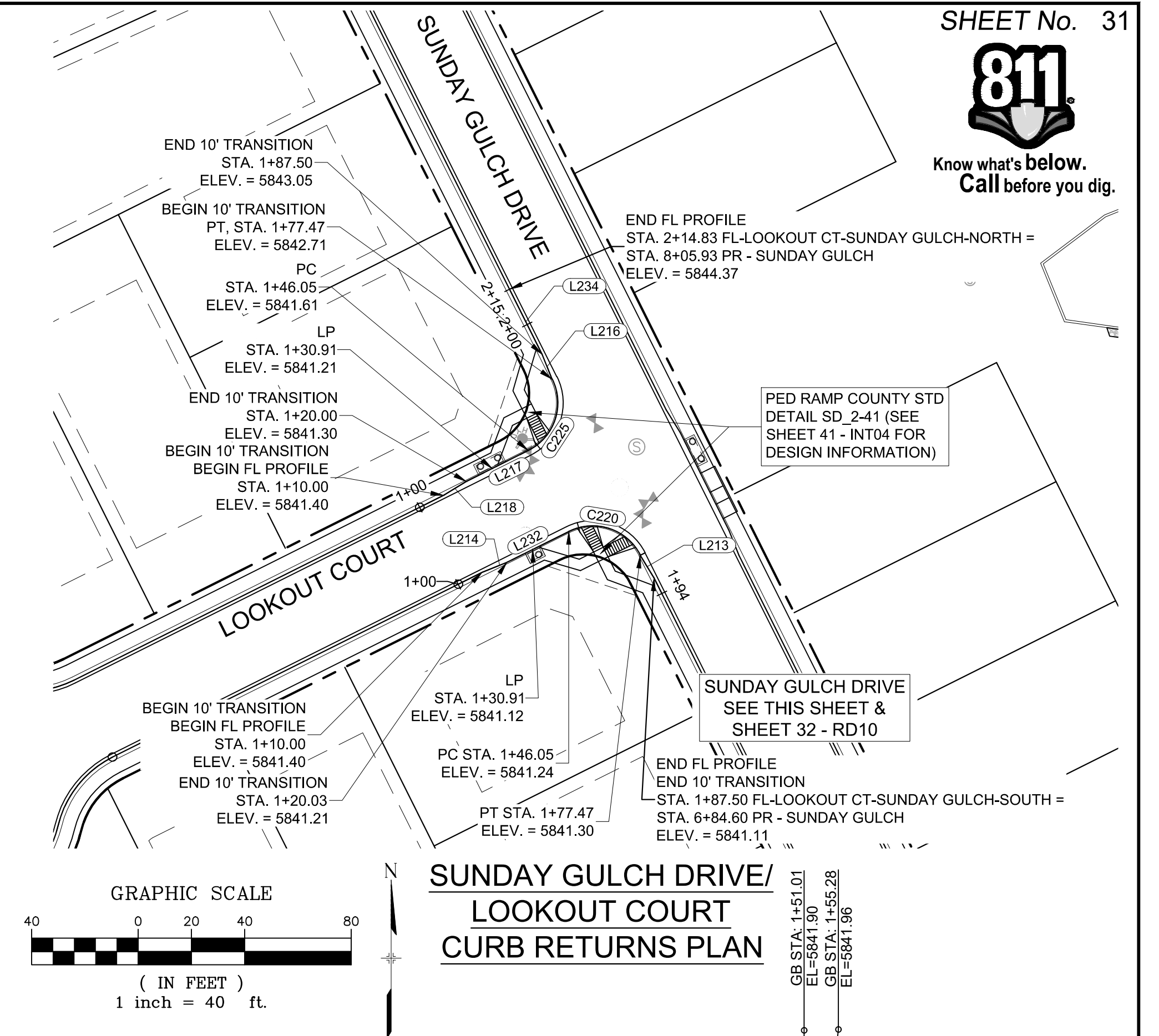
LINE TABLE		
LINE #	BEARING	DISTANCE
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L144	N00°00'00"E	187.33
L145	N26°34'55"W	266.89
L146	N26°34'55"W	201.11

CURVE TABLE			
CURVE #	ARC LENGTH	RADIUS	DELTA ANGLE
C135	162.38	350.00	26°34'55"



LINE TABLE		
LINE #	BEARING	DISTANCE
L213	S31°20'44"E	10.03
L214	N68°10'54"E	10.03
L216	N21°49'06"W	10.03
L217	N63°25'05"E	26.05
L218	N58°38'16"E	10.00
L232	N63°25'05"E	26.01
L234	N26°34'55"W	27.33

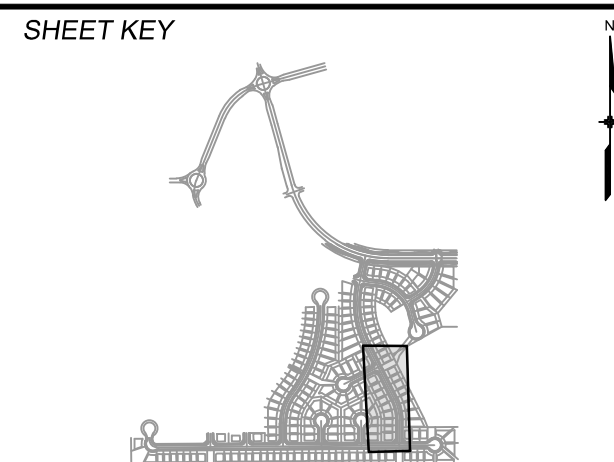
CURVE TABLE			
CURVE #	ARC LENGTH	RADIUS	DELTA ANGLE
C220	31.42	20.00	90°00'00"
C225	31.42	20.00	90°00'00"



**DESIGN DATA:**  
 SIDEWALKS: WIDTH 5'  
 LOCATION: ATTACHED ☒ DETACHED ☐  
 DESIGN SPEED: 25 MPH  
 CURB TYPE ☒ A ☐ B ☐ C ☐ D ☐ E  
 ROW WIDTH 50' FL-FL 32'  
 STREET TYPE RESIDENTIAL

PAVEMENT: \_\_\_\_\_  
 TYPE: HMA ☐ PCC ☐  
 THICKNESS: \_\_\_\_\_

COMPOSITE SECTION  
 HMA \_\_\_\_\_ BASE \_\_\_\_\_



REVIEW: \_\_\_\_\_

STREET DESIGN: \_\_\_\_\_

CURB & GUTTER REVIEW \_\_\_\_\_ DATE: \_\_\_\_\_

FINAL REVIEW \_\_\_\_\_ DATE: \_\_\_\_\_

DRAINAGE DESIGN: \_\_\_\_\_

BY: \_\_\_\_\_ DATE: \_\_\_\_\_

TRAFFIC DESIGN: \_\_\_\_\_

BY: \_\_\_\_\_ DATE: \_\_\_\_\_

*"Filed in accordance with Section 7.7.906 (Drainage Ordinance) of the code of the City of Colorado Springs, 2011, as amended."*

PREPARED BY



SEAL

---

FOR AND ON BEHALF OF  
MATRIX DESIGN GROUP, INC.  
PROJECT No. 19.886.011

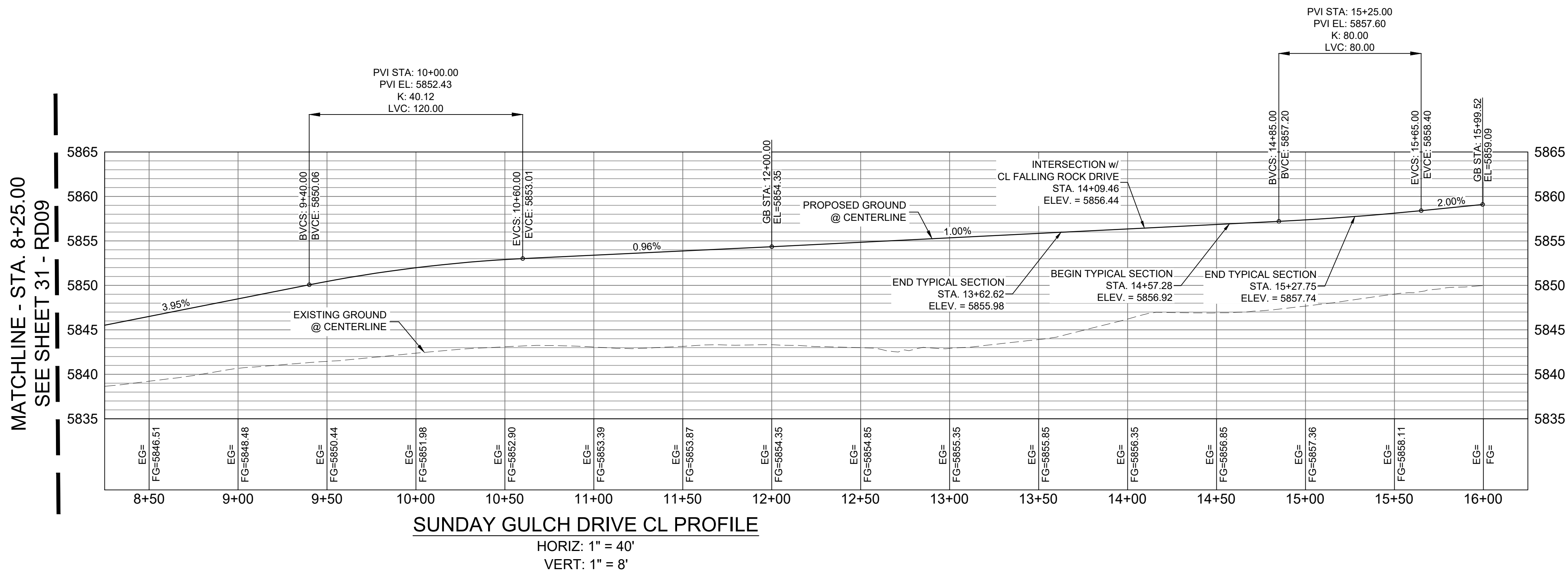
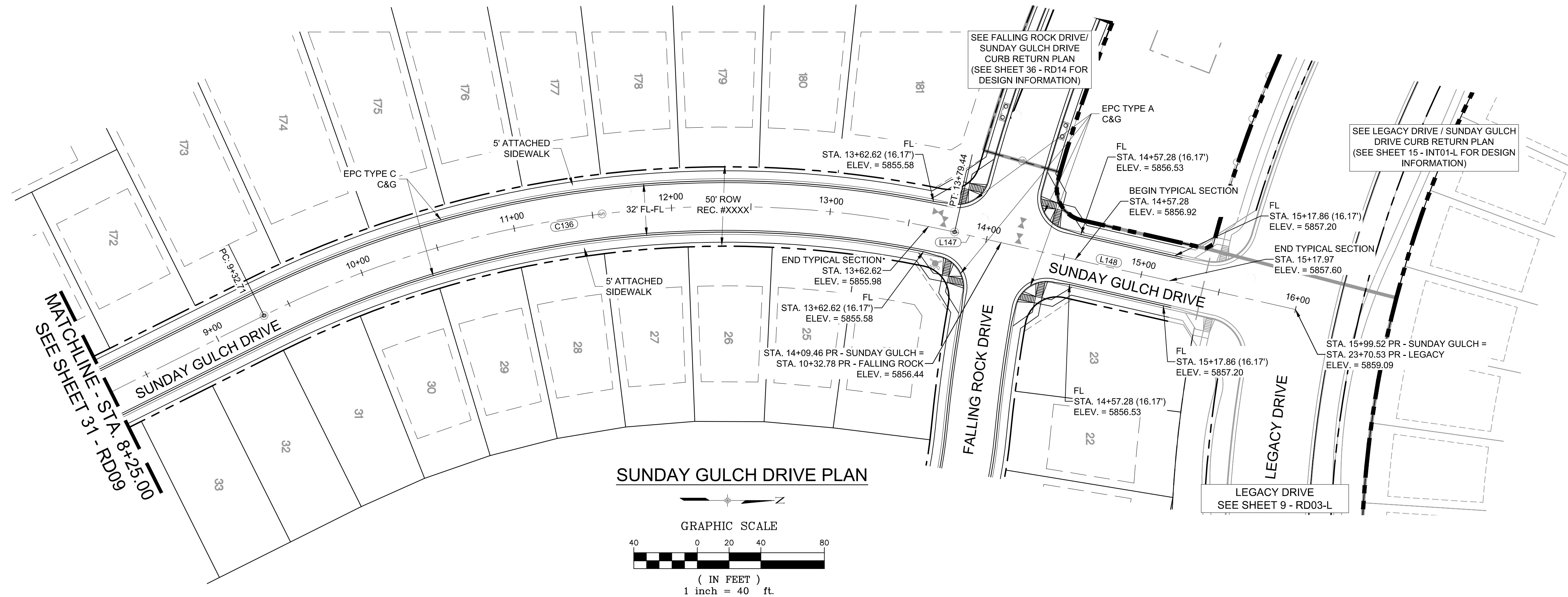
## TRAILS AT ASPEN RIDGE

FILING NO. 1  
ROADWAY & STORMDRAIN IMPROVEMENT PLANS

## ROADWAY PLAN & PROFILE

DESIGNED BY:	NMS	SCALE	DATE ISSUED:	JULY, 2019	DRAWING No.  <b>RD09</b>
DRAWN BY:	TJC	HORIZ. 1"=40'			
CHECKED BY:	NMS	VERT. 1"=8'	SHEET	31 OF 71	



Know what's below.  
Call before you dig.

LINE TABLE		
LINE #	BEARING	DISTANCE
L147	N12°47'44"E	30.03
L148	N12°47'44"E	190.06

CURVE TABLE			
CURVE #	ARC LENGTH	RADIUS	DELTA ANGLE
C136	446.72	650.00	39°22'39"

**BENCHMARK**  
COLORADO SPRINGS UTILITIES (FIMS) MONUMENT F206  
A BERNTSEN TOP SECURITY MONUMENT SYSTEM WITH A 3.5-INCH  
DIAMETER ALUMINUM CAP IN A ROAD BOX, LOCATED ON THE  
NORTHWEST CORNER OF FONTAINE BOULEVARD AND POWERS  
BOULEVARD,  
ELEVATION - 5897.89' U.S. SURVEY FT

**BASIS OF BEARING**  
BEARINGS ARE BASED ON THE NORTH LINE OF THE NORTHWEST  
QUARTER OF SECTION 9, TOWNSHIP 15 SOUTH, RANGE 65 WEST OF  
THE 6TH P.M. SAID LINE BEARS S89°51'23"E FROM THE NORTHWEST  
CORNER OF SAID SECTION 9 (2 1/2" AULM. CAP PLS 17664) TO THE N 1/4  
CORNER OF SAID SECTION 9 (3 1/4" AULM. CAP PLS 10377)

No.	DATE	DESCRIPTION	BY
COMPUTER FILE MANAGEMENT			
FILE NAME: S:\19.886.011 (Trails at Aspen Ridge - F1)\100 Dwg\104 Plan Sets\Construction Plans\Road & Storm Plans\RD09-12.dwg			
CTB FILE: July 2, 2019 1:42:29 PM			
PLOT DATE: July 2, 2019 1:42:29 PM			
THIS DRAWING IS CURRENT AS OF PLOT DATE AND MAY BE SUBJECT TO CHANGE.			

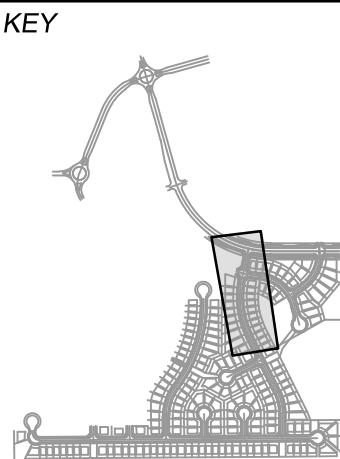
## DESIGN DATA:

SIDEWALKS: WIDTH 5'  
LOCATION: ATTACHED ☒ DETACHED ☐  
DESIGN SPEED: 25 MPH  
CURB TYPE ☒ A ☐ B ☐ C ☐ D ☐ E  
ROW WIDTH 50' FL-FL 32'  
STREET TYPE RESIDENTIAL

PAVEMENT:  
TYPE: HMA ☐ PCC ☐  
THICKNESS: \_\_\_\_\_

COMPOSITE SECTION:  
HMA \_\_\_\_\_ BASE \_\_\_\_\_

## SHEET KEY



## REVIEW:

STREET DESIGN:  
CURB & GUTTER REVIEW \_\_\_\_\_ DATE: \_\_\_\_\_  
FINAL REVIEW \_\_\_\_\_ DATE: \_\_\_\_\_  
DRAINAGE DESIGN:  
BY: \_\_\_\_\_ DATE: \_\_\_\_\_  
TRAFFIC DESIGN:  
BY: \_\_\_\_\_ DATE: \_\_\_\_\_

\*Filed in accordance with Section 7.7.906 (Drainage Ordinance) of the code of the City of Colorado Springs, 2001 as amended.

PREPARED BY:



## SEAL

FOR AND ON BEHALF OF  
MATRIX DESIGN GROUP, INC.  
PROJECT No. 19.886.011

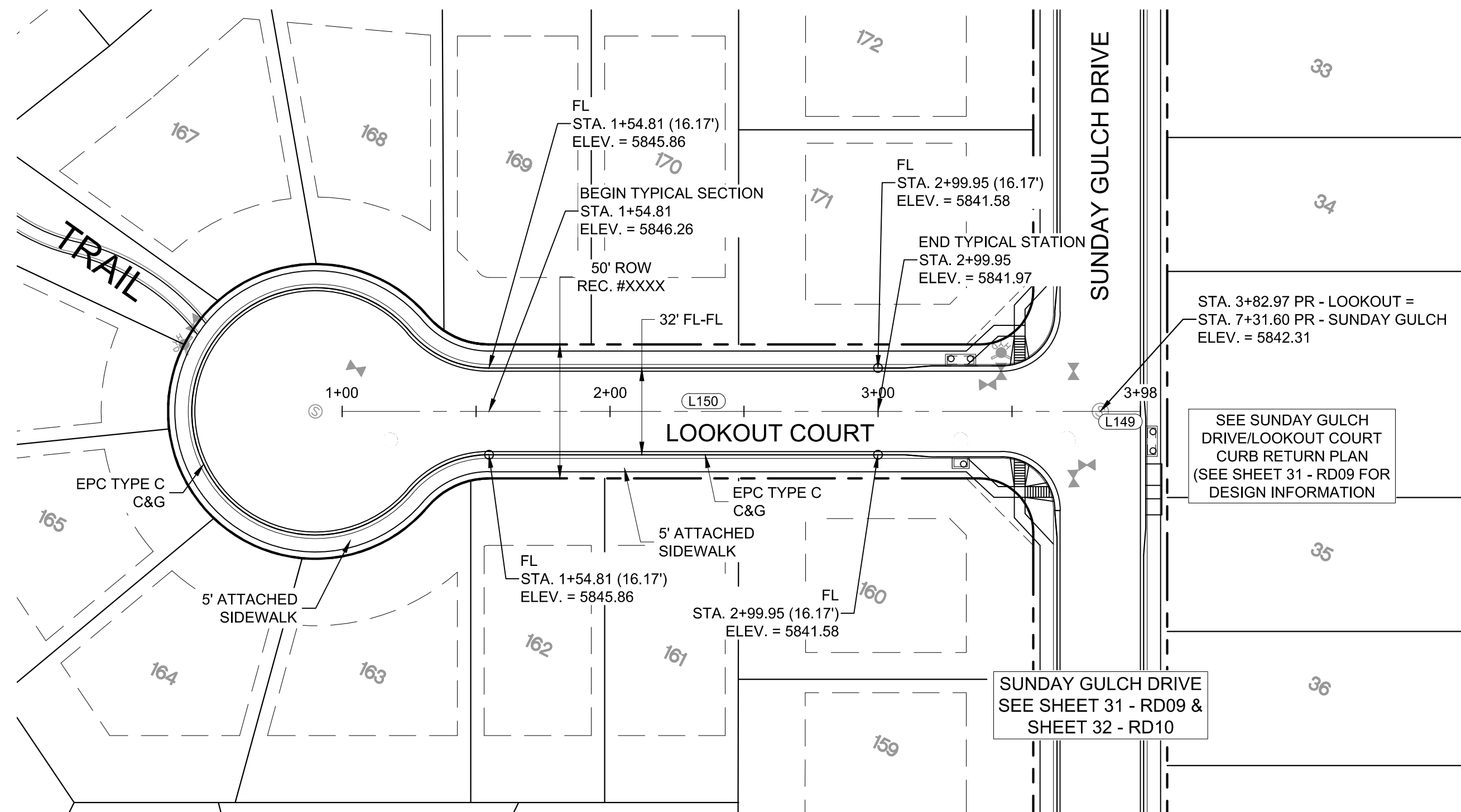
## TRAILS AT ASPEN RIDGE

FILING NO. 1  
ROADWAY & STORMDRAIN IMPROVEMENT PLANS

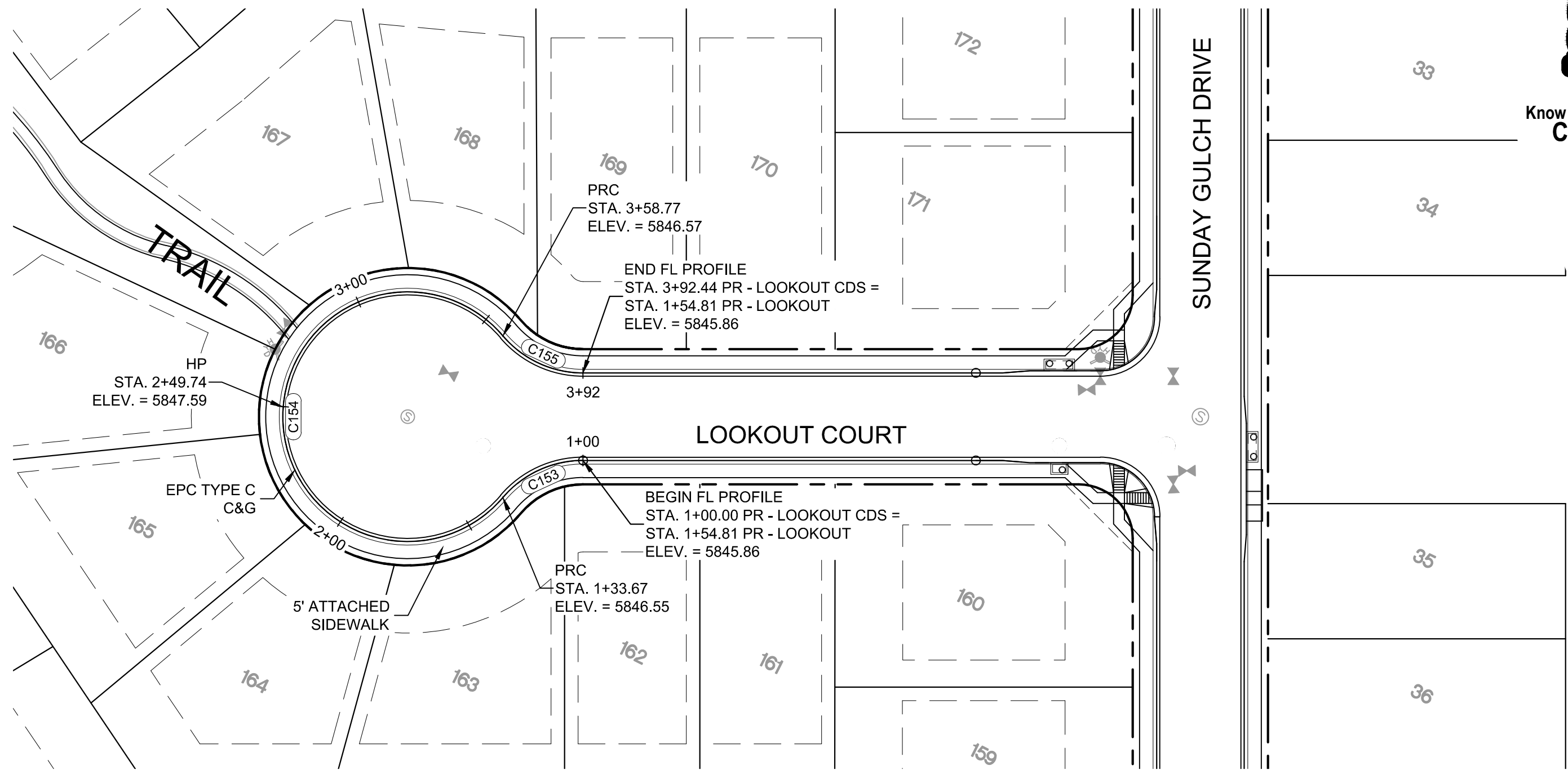
## ROADWAY PLAN &amp; PROFILE

DESIGNED BY: NMS	SCALE: 1"=40'	DATE ISSUED: JULY, 2019	DRAWING No. RD10
CHECKED BY: NMS	VERT. 1"=8'	SHEET 32 OF 71	

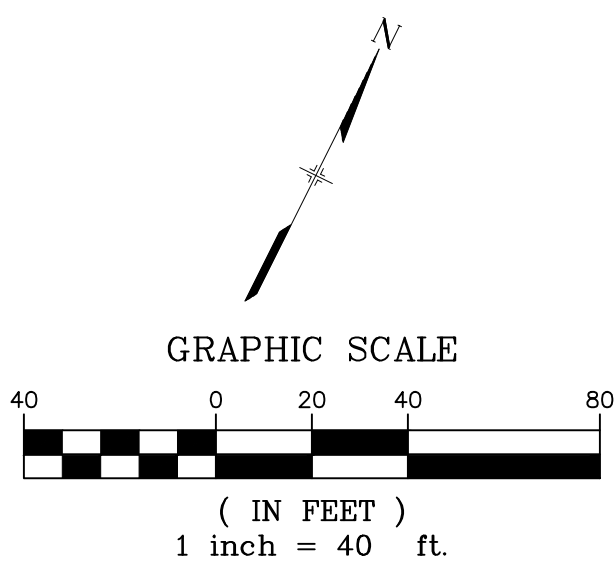
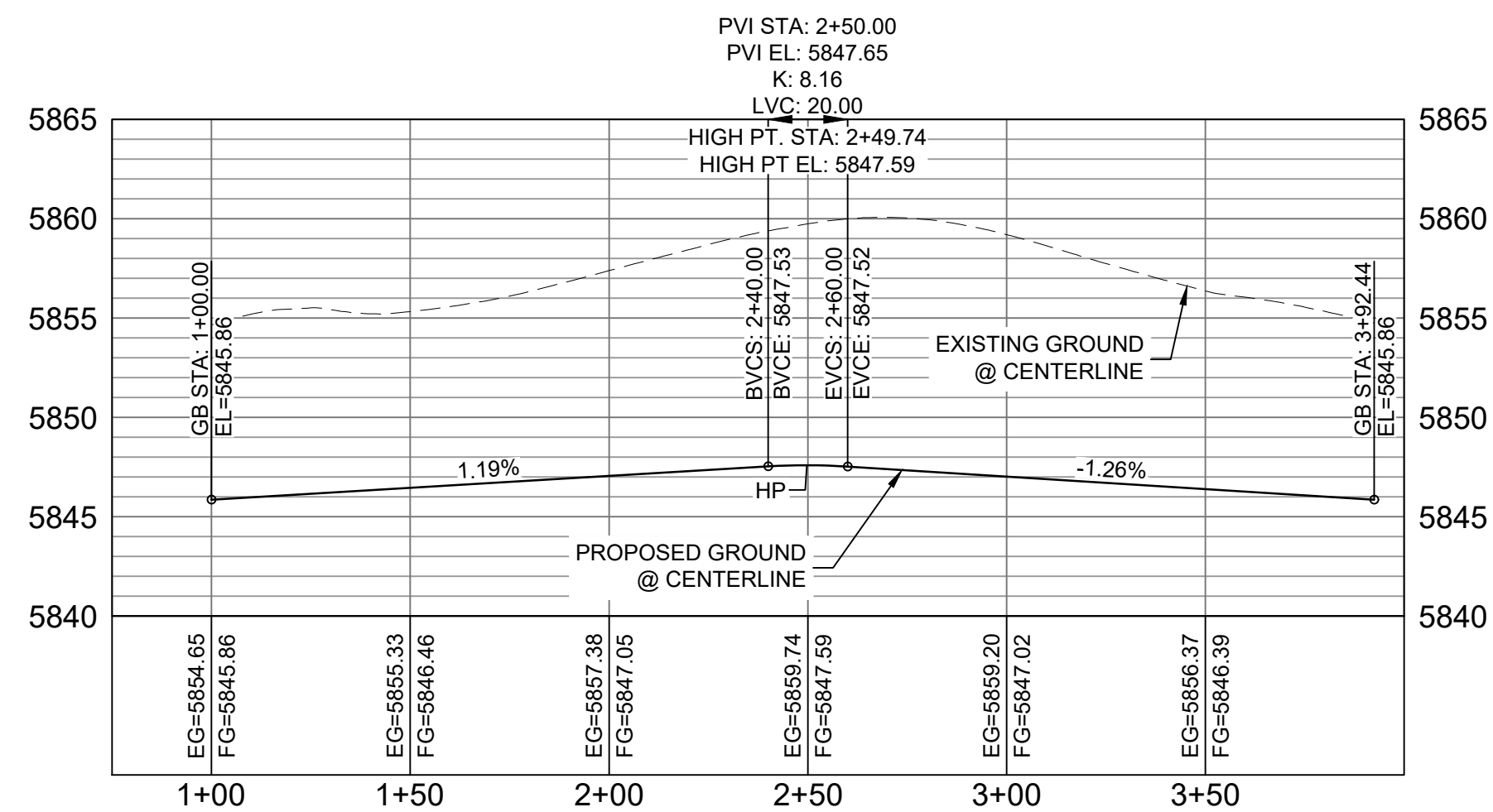
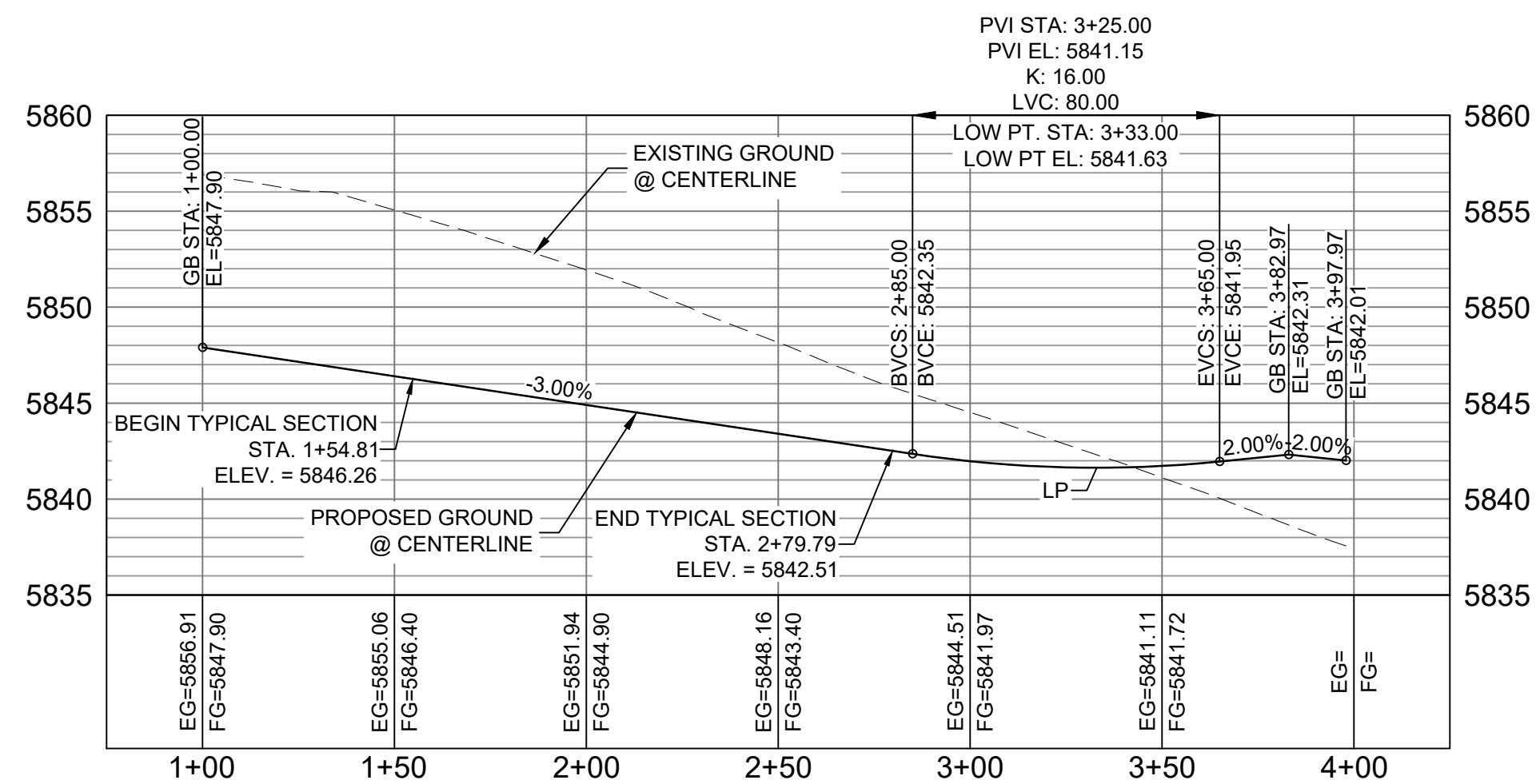


Know what's below.  
Call before you dig.

LINE TABLE		
LINE #	BEARING	DISTANCE
L149	N63°25'05"E	15.00
L150	N63°25'05"E	282.97



CURVE TABLE			
CURVE #	ARC LENGTH	RADIUS	DELTA ANGLE
C153	33.67	38.83	49°40'47"
C154	225.10	46.17	279°21'34"
C155	33.67	38.83	49°40'47"



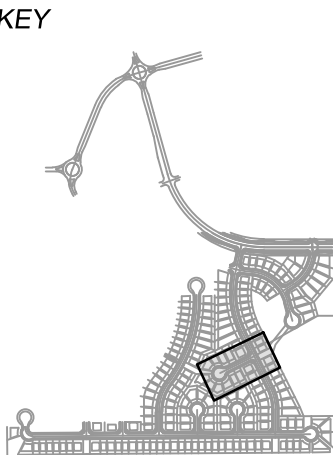
**BENCHMARK**  
COLORADO SPRINGS UTILITIES (FIMS) MONUMENT F206  
A BERNTSEN TOP SECURITY MONUMENT SYSTEM WITH A 3.5-INCH DIAMETER ALUMINUM CAP IN A ROAD BOX, LOCATED ON THE NORTHWEST CORNER OF FONTAINE BOULEVARD AND POWERS BOULEVARD,  
ELEVATION - 5897.89' U.S. SURVEY FT

**BASIS OF BEARING**  
BEARINGS ARE BASED ON THE NORTH LINE OF THE NORTHWEST QUARTER OF SECTION 9, TOWNSHIP 15 SOUTH, RANGE 65 WEST OF THE 6TH P.M. SAID LINE BEARS S89°51'23"E FROM THE NORTHWEST CORNER OF SAID SECTION 9 (2 1/2" AULM. CAP PLS 17664) TO THE N 1/4 CORNER OF SAID SECTION 9 (3 1/2" AULM. CAP PLS 10377)

No.	DATE	DESCRIPTION	BY
COMPUTER FILE MANAGEMENT			
FILE NAME: S:\19.886.011 (Trails at Aspen Ridge - F1)\100 Dwg\104 Plan Sets\Construction Plans\Road & Storm Plans\RD09-12.dwg			
CTB FILE: July 2, 2019 1:43:20 PM			
PLOT DATE: July 2, 2019 1:43:20 PM			
THIS DRAWING IS CURRENT AS OF PLOT DATE AND MAY BE SUBJECT TO CHANGE.			

**DESIGN DATA:**  
SIDEWALKS: WIDTH 5'  
LOCATION: ATTACHED ☒ DETACHED ☐  
DESIGN SPEED: 25 MPH  
CURB TYPE ☒ A ☐ B ☐ C ☐ D ☐ E  
ROW WIDTH 50' FL-FL 32'  
STREET TYPE RESIDENTIAL  
PAVEMENT: TYPE: HMA ☐ PCC ☐  
THICKNESS:  
COMPOSITE SECTION: HMA ☐ BASE ☐

SHEET KEY



**REVIEW:**  
STREET DESIGN:  
CURB & GUTTER REVIEW \_\_\_\_\_ DATE: \_\_\_\_\_  
FINAL REVIEW \_\_\_\_\_ DATE: \_\_\_\_\_  
DRAINAGE DESIGN:  
BY: \_\_\_\_\_ DATE: \_\_\_\_\_  
TRAFFIC DESIGN:  
BY: \_\_\_\_\_ DATE: \_\_\_\_\_  
\*Filed in accordance with Section 7.7.906 (Drainage Ordinance) of the code of the City of Colorado Springs, 2001 as amended.

PREPARED BY:

**Matrix**  
DESIGN GROUP

SEAL

FOR AND ON BEHALF OF  
MATRIX DESIGN GROUP, INC.  
PROJECT No. 19.886.011

## TRAILS AT ASPEN RIDGE

FILING NO. 1  
ROADWAY & STORMDRAIN IMPROVEMENT PLANS

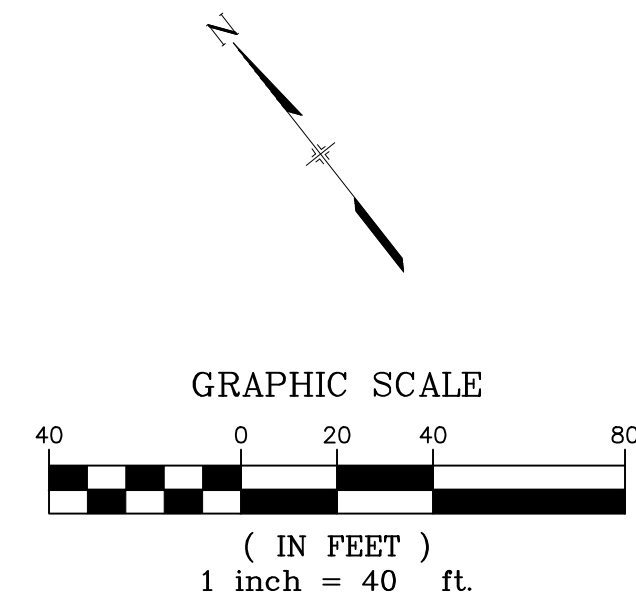
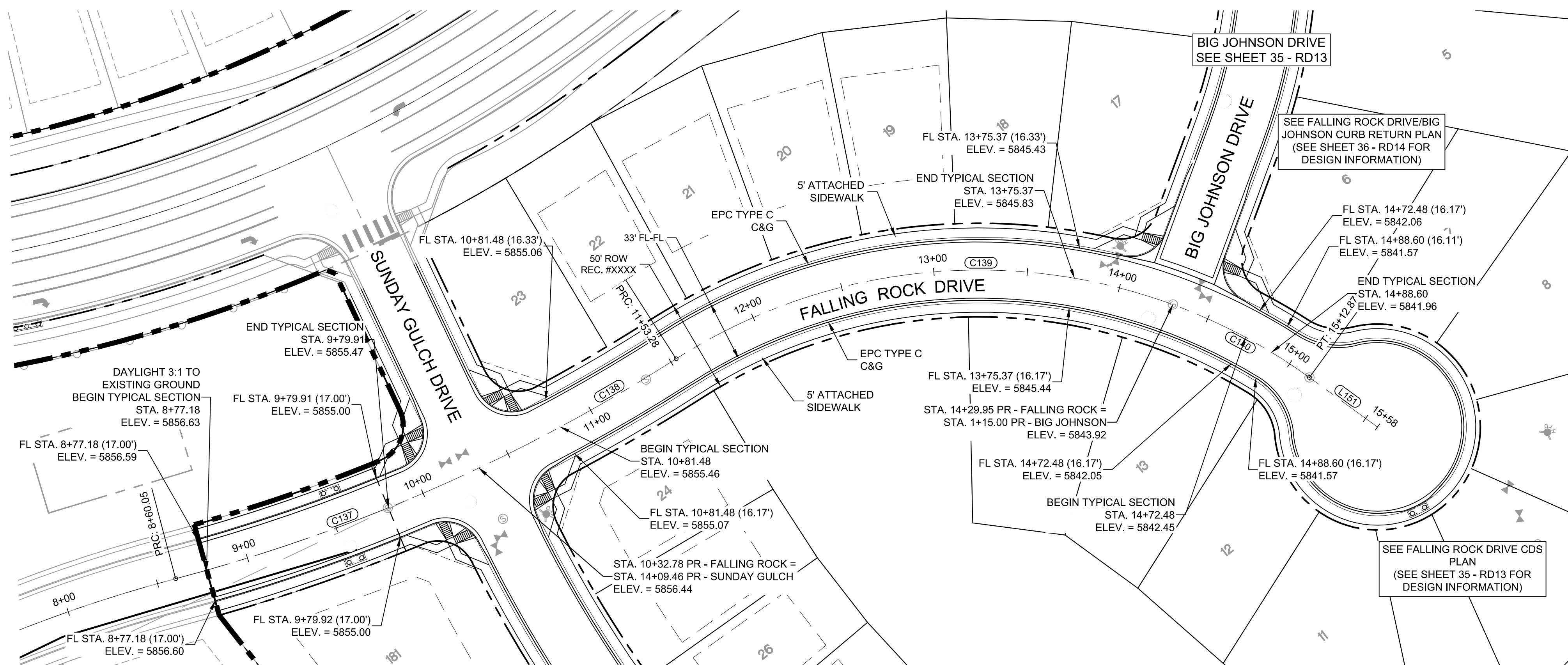
## ROADWAY PLAN &amp; PROFILE

DESIGNED BY:	NMS	SCALE	DATE ISSUED:	JULY, 2019	DRAWING No.
CHECKED BY:	NMS	HORIZ. 1"=40'	SHEET	33 OF 71	RD11
		VERT. 1"=8'			



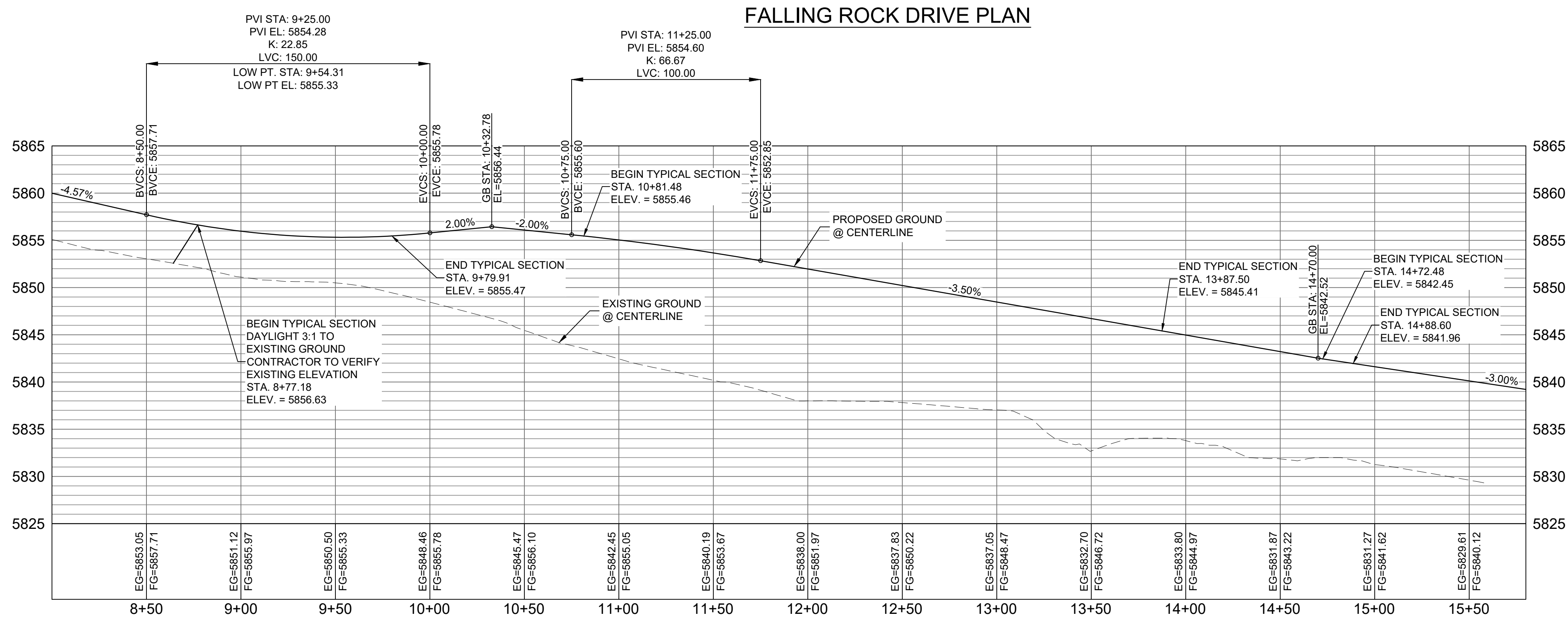


Know what's below.  
Call before you dig.



LINE TABLE		
LINE #	BEARING	DISTANCE
L151	S15°53'58"E	44.94

CURVE TABLE			
CURVE #	ARC LENGTH	RADIUS	DELTA ANGLE
C137	155.60	940.00	9°29'04"
C138	120.50	940.00	7°20'42"
C139	276.67	300.00	52°50'26"
C140	82.92	300.00	15°50'13"



FALLING ROCK DRIVE CL PROFILE

HORIZ: 1" = 40'  
VERT: 1" = 8'

**BENCHMARK**  
COLORADO SPRINGS UTILITIES (FIMS) MONUMENT F206  
A BERNITSEN TOP SECURITY MONUMENT SYSTEM WITH A 3.5-INCH  
DIAMETER ALUMINUM CAP IN A ROAD BOX, LOCATED ON THE  
NORTHWEST CORNER OF FONTAINE BOULEVARD AND POWERS  
BOULEVARD,  
ELEVATION - 5897.89' U.S. SURVEY FT

**BASIS OF BEARING**  
BEARINGS ARE BASED ON THE NORTH LINE OF THE NORTHWEST  
QUARTER OF SECTION 9, TOWNSHIP 15 SOUTH, RANGE 65 WEST OF  
THE 6TH P.M. SAID LINE BEARS S89°51'23"E FROM THE NORTHWEST  
CORNER OF SAID SECTION 9 (2 1/2" AULM. CAP PLS 17664) TO THE N 1/4  
CORNER OF SAID SECTION 9 (3 1/2" AULM. CAP PLS 10377)

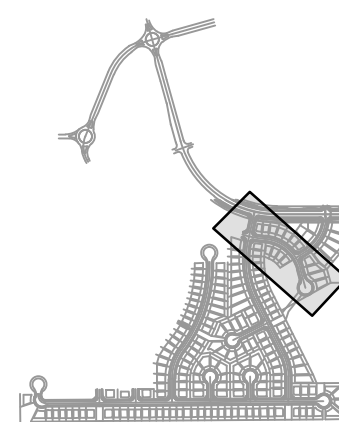
## DESIGN DATA:

SIDEWALKS: WIDTH 5'  
LOCATION: ATTACHED ☒ DETACHED ☐  
DESIGN SPEED: 25 MPH  
CURB TYPE ☒ A ☐ B ☐ C ☐ D ☐ E  
ROW WIDTH 50' FL-FL 32'  
STREET TYPE RESIDENTIAL

PAVEMENT:  
TYPE: HMA ☐ PCC ☐  
THICKNESS:

COMPOSITE SECTION:  
HMA ☐ BASE ☐

## SHEET KEY



## REVIEW:

STREET DESIGN:  
CURB & GUTTER REVIEW \_\_\_\_\_ DATE: \_\_\_\_\_  
FINAL REVIEW \_\_\_\_\_ DATE: \_\_\_\_\_  
DRAINAGE DESIGN:  
BY: \_\_\_\_\_ DATE: \_\_\_\_\_  
TRAFFIC DESIGN:  
BY: \_\_\_\_\_ DATE: \_\_\_\_\_

\*Filed in accordance with Section 7.7.906 (Drainage Ordinance) of the code of the City of Colorado Springs, 2001 as amended.

PREPARED BY:

**Matrix**  
DESIGN GROUP

## SEAL

FOR AND ON BEHALF OF  
MATRIX DESIGN GROUP, INC.  
PROJECT No. 19.886.011

## TRAILS AT ASPEN RIDGE

FILING NO. 1  
ROADWAY & STORMDRAIN IMPROVEMENT PLANS

## ROADWAY PLAN &amp; PROFILE

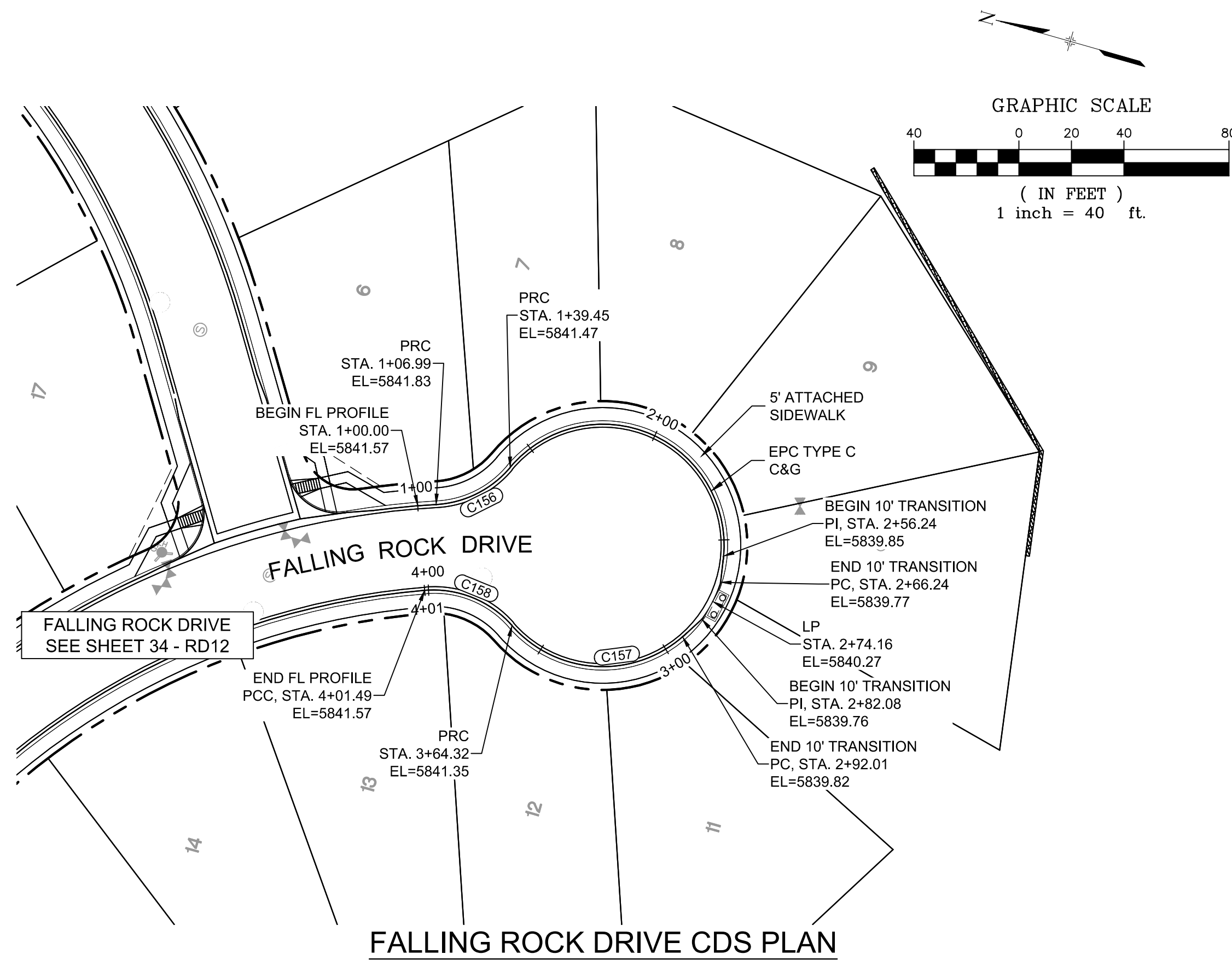
DESIGNED BY:	NMS	SCALE:	DATE ISSUED:	JULY, 2019	DRAWING No.
DRAWN BY:	TJC	HORIZ:	1"=40'		RD12
CHECKED BY:	NMS	VERT:	1"=8'	SHEET	34 OF 71

No.	DATE	DESCRIPTION	BY
COMPUTER FILE MANAGEMENT			
FILE NAME: S:\19.886.011 (Trails at Aspen Ridge - F1)\100 Dwg\104 Plan Sets\Construction Plans\Road & Storm Plans\RD09-12.dwg			
CTB FILE: ---			
PLOT DATE: July 2, 2019 1:43:45 PM			
THIS DRAWING IS CURRENT AS OF PLOT DATE AND MAY BE SUBJECT TO CHANGE.			



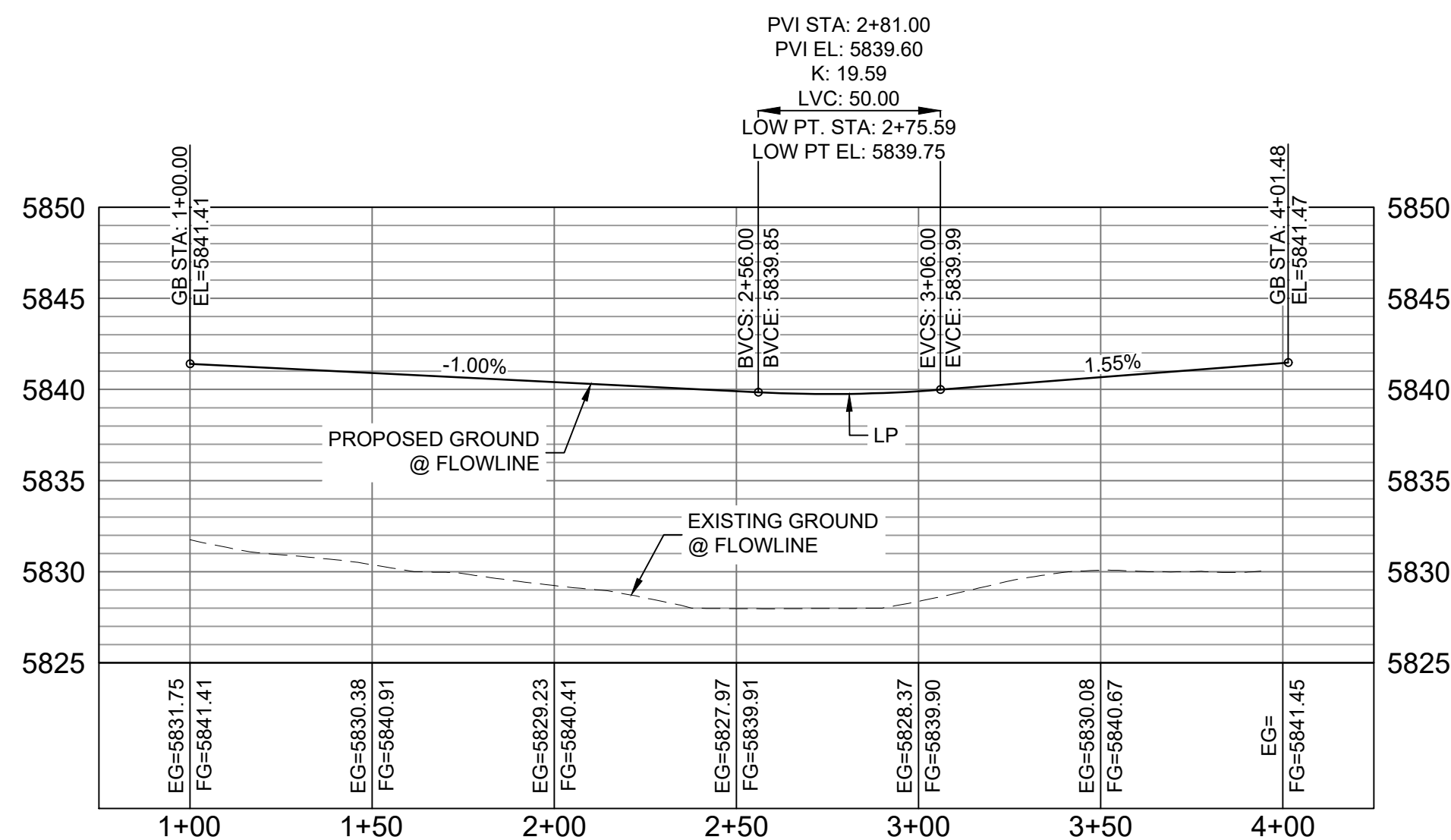


Know what's below.  
Call before you dig.



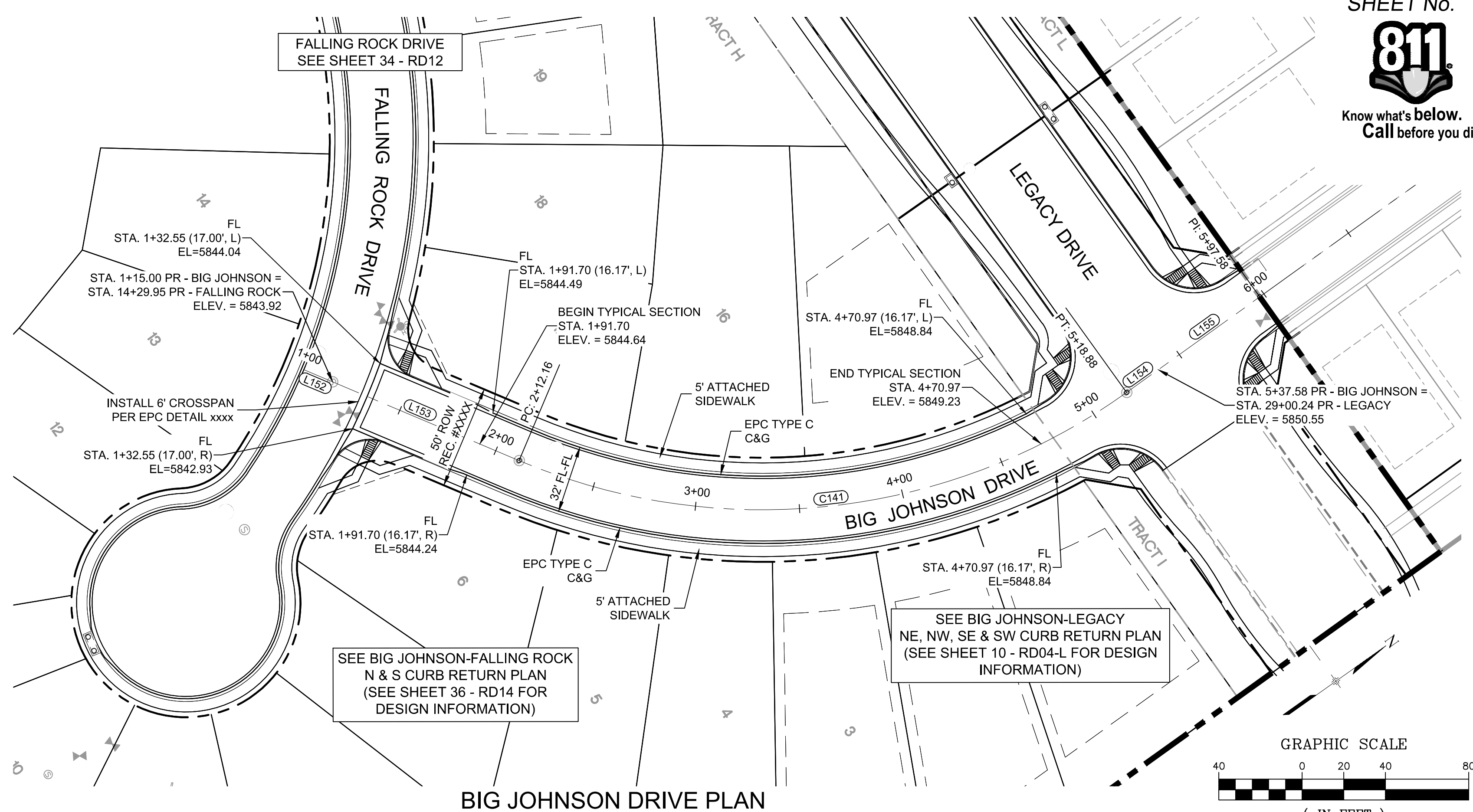
LINE TABLE		
LINE #	BEARING	DISTANCE

CURVE TABLE			
CURVE #	ARC LENGTH	RADIUS	DELTA ANGLE
C156	32.45	40.00	46°29'11"
C157	72.23	46.17	89°38'41"
C158	37.17	40.00	53°14'57"



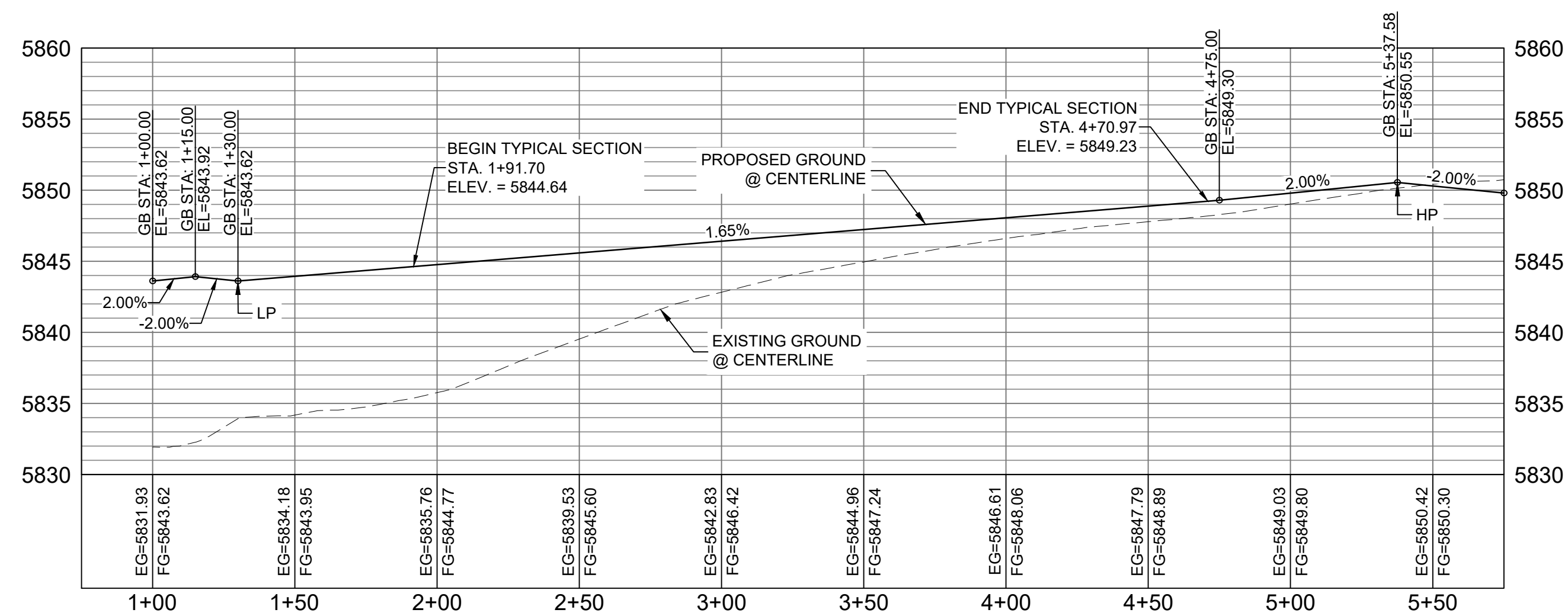
FALLING ROCK CDS FL PROFILE

HORIZ: 1" = 40'  
VERT: 1" = 8'



LINE TABLE		
LINE #	BEARING	DISTANCE
L152	N8°15'49"E	15.00
L153	N8°15'49"E	97.16
L154	N00°18'57"W	18.70
L155	N00°18'57"W	60.00

CURVE TABLE			
CURVE #	ARC LENGTH	RADIUS	DELTA ANGLE
C141	306.72	300.00	58°34'46"



HORIZ: 1" = 40'  
VERT: 1" = 8'

**BENCHMARK**  
COLORADO SPRINGS UTILITIES (FIMS) MONUMENT F206  
A BERNTSEN TOP SECURITY MONUMENT SYSTEM WITH A 3.5-INCH DIAMETER ALUMINUM CAP IN A ROAD BOX, LOCATED ON THE NORTHWEST CORNER OF FONTAINE BOULEVARD AND POWERS BOULEVARD,  
ELEVATION - 5897.89' U.S. SURVEY FT

**BASIS OF BEARING**  
BEARINGS ARE BASED ON THE NORTH LINE OF THE NORTHWEST QUARTER OF SECTION 9, TOWNSHIP 15 SOUTH, RANGE 65 WEST OF THE 6TH P.M. SAID LINE BEARS S89°51'23"E FROM THE NORTHWEST CORNER OF SAID SECTION 9 (2 1/2" AULM. CAP PLS 17664) TO THE N 1/4 CORNER OF SAID SECTION 9 (3 1/2" AULM. CAP PLS 10377)

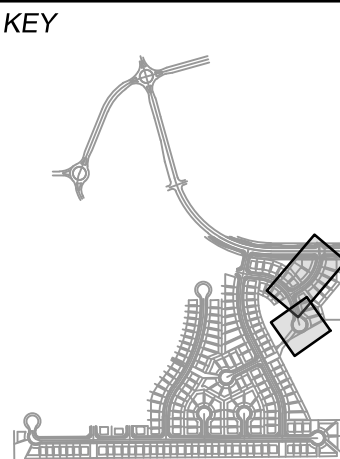
## DESIGN DATA:

SIDEWALKS: WIDTH 5'  
LOCATION: ATTACHED ☒ DETACHED ☐  
DESIGN SPEED: 25 MPH  
CURB TYPE ☒ A ☐ B ☐ C ☐ D ☐ E  
ROW WIDTH 50' FL-FL 32'  
STREET TYPE RESIDENTIAL

PAVEMENT:  
TYPE: HMA ☐ PCC ☐  
THICKNESS:

COMPOSITE SECTION:  
HMA ☐ BASE ☐

## SHEET KEY



## REVIEW:

STREET DESIGN:  
CURB & GUTTER REVIEW \_\_\_\_\_ DATE: \_\_\_\_\_  
FINAL REVIEW \_\_\_\_\_ DATE: \_\_\_\_\_  
DRAINAGE DESIGN:  
BY: \_\_\_\_\_ DATE: \_\_\_\_\_  
TRAFFIC DESIGN:  
BY: \_\_\_\_\_ DATE: \_\_\_\_\_

\*Filed in accordance with Section 7.7.906 (Drainage Ordinance) of the code of the City of Colorado Springs, 2001 as amended.

PREPARED BY:

**Matrix**  
DESIGN GROUP

## SEAL

FOR AND ON BEHALF OF  
MATRIX DESIGN GROUP, INC.  
PROJECT No. 19.886.011

## TRAILS AT ASPEN RIDGE

FILING NO. 1  
ROADWAY & STORMDRAIN IMPROVEMENT PLANS

## ROADWAY PLAN &amp; PROFILE

DESIGNED BY: NMS  
DRAWN BY: TJC  
CHECKED BY: NMS

SCALE  
HORIZ: 1"=40'  
VERT: 1"=8'

DATE ISSUED: JULY, 2019  
SHEET 35 OF 71

DRAWING No. RD13

No.	DATE	DESCRIPTION	BY
REVISIONS			

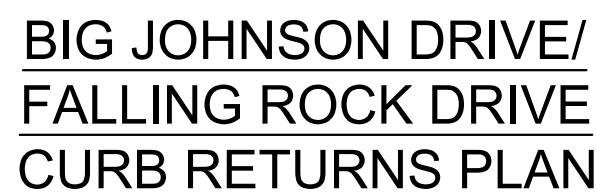
## COMPUTER FILE MANAGEMENT

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CTB FILE: July 2, 2019 1:45:24 PM  
PLOT DATE: July 2, 2019 1:45:24 PM  
THIS DRAWING IS CURRENT AS OF PLOT DATE AND MAY BE SUBJECT TO CHANGE.





CURVE TABLE			
CURVE #	ARC LENGTH	RADIUS	DELTA ANGLE
C229	17.57	957.00	1°03'07"
C230	30.49	20.00	87°20'00"
C235	32.30	20.00	92°32'26"
C240	30.85	20.00	88°23'08"
C245	32.29	20.00	92°29'29"

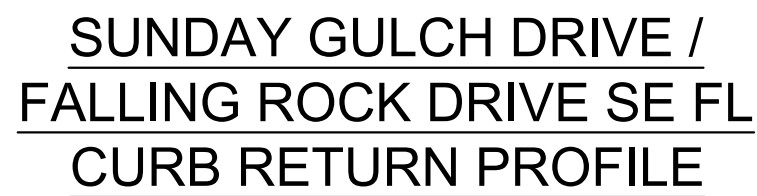
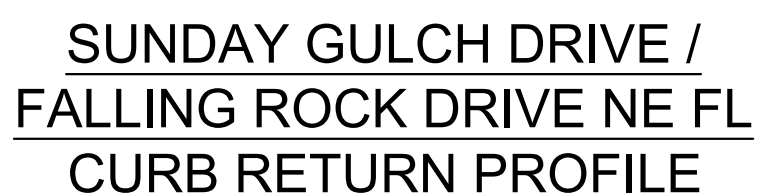
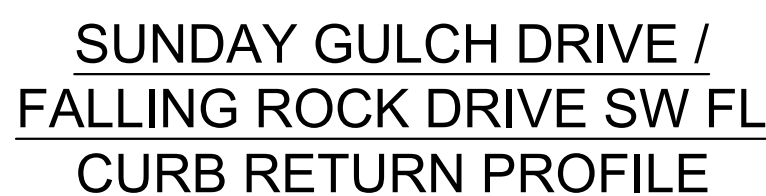
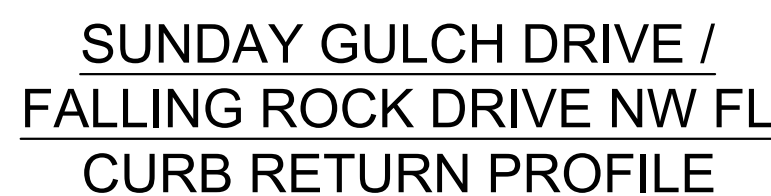


CURVE TABLE			
CURVE #	ARC LENGTH	RADIUS	DELTA ANGLE
C250	29.22	20.00	83°41'48"
C255	29.22	20.00	83°41'48"



**BENCHMARK**  
COLORADO SPRINGS UTILITIES (FIMS) MONUMENT F206  
A BERTNSSEN TOP SECURITY MONUMENT SYSTEM WITH A 3.5-INCH  
DIAMETER ALUMINUM CAP IN A ROAD BOX, LOCATED ON THE  
NORTHWEST CORNER OF FONTAINE BOULEVARD AND POWERS  
BOULEVARD.  
ELEVATION - 5897.89' U.S. SURVEY FT

**BASIS OF BEARING**  
BEARINGS ARE BASED ON THE NORTH LINE OF THE NORTHWEST  
QUARTER OF SECTION 9, TOWNSHIP 1S SOUTH, RANGE 65 WEST OF  
T6S R65E BLM. BEARING S 61°23'28" FROM THE NORTHWEST  
CORNER OF SAID SECTION 9 (2 1/2' AULM. CAP PLS 17664) TO THE N 1/4  
CORNER OF SAID SECTION 9 (3 1/2' AULM. CAP PLS 10377)



No.	DATE	DESCRIPTION	BY
<b>REVISIONS</b>			
<b>COMPUTER FILE MANAGEMENT</b>			
FILE NAME: S:\19.886.011 (Trails at Aspen Ridge - F1)\100 Dwg\104 Plan Sets\Construction Plans\Road & Storm Plans\RD13-15.dwg			
CTB FILE:			
PLOT DATE: July 2, 2019 1:46:17 PM			
THIS DRAWING IS CURRENT AS OF PLOT DATE AND MAY BE SUBJECT TO CHANGE.			

SIDEWALKS: WIDTH 5' PAVEMENT: \_\_\_\_\_  
 LOCATION: ATTACHED ☒ TYPE: HMA ☐ . PCC ☐  
 DETACHED ☐ THICKNESS: \_\_\_\_\_  
 DESIGN SPEED: 25 MPH  
 CURB TYPE ☒ A ☐ B ☐ C ☐ D ☐ E COMPOSITE SECTION:  
 ROW WIDTH 50' FL-FL 32' HMA \_\_\_\_\_ BASE \_\_\_\_\_  
 STREET TYPE RESIDENTIAL

STREET DESIGN:  
CURB & GUTTER REVIEW \_\_\_\_\_ DATE: \_\_\_\_\_  
FINAL REVIEW \_\_\_\_\_ DATE: \_\_\_\_\_  
DRAINAGE DESIGN:  
BY: \_\_\_\_\_ DATE: \_\_\_\_\_  
TRAFFIC DESIGN:  
BY: \_\_\_\_\_ DATE: \_\_\_\_\_

**Matrix**  
DESIGN GROUP

FOR AND ON BEHALF OF  
MATRIX DESIGN GROUP, INC  
PROJECT No. 19.886.011

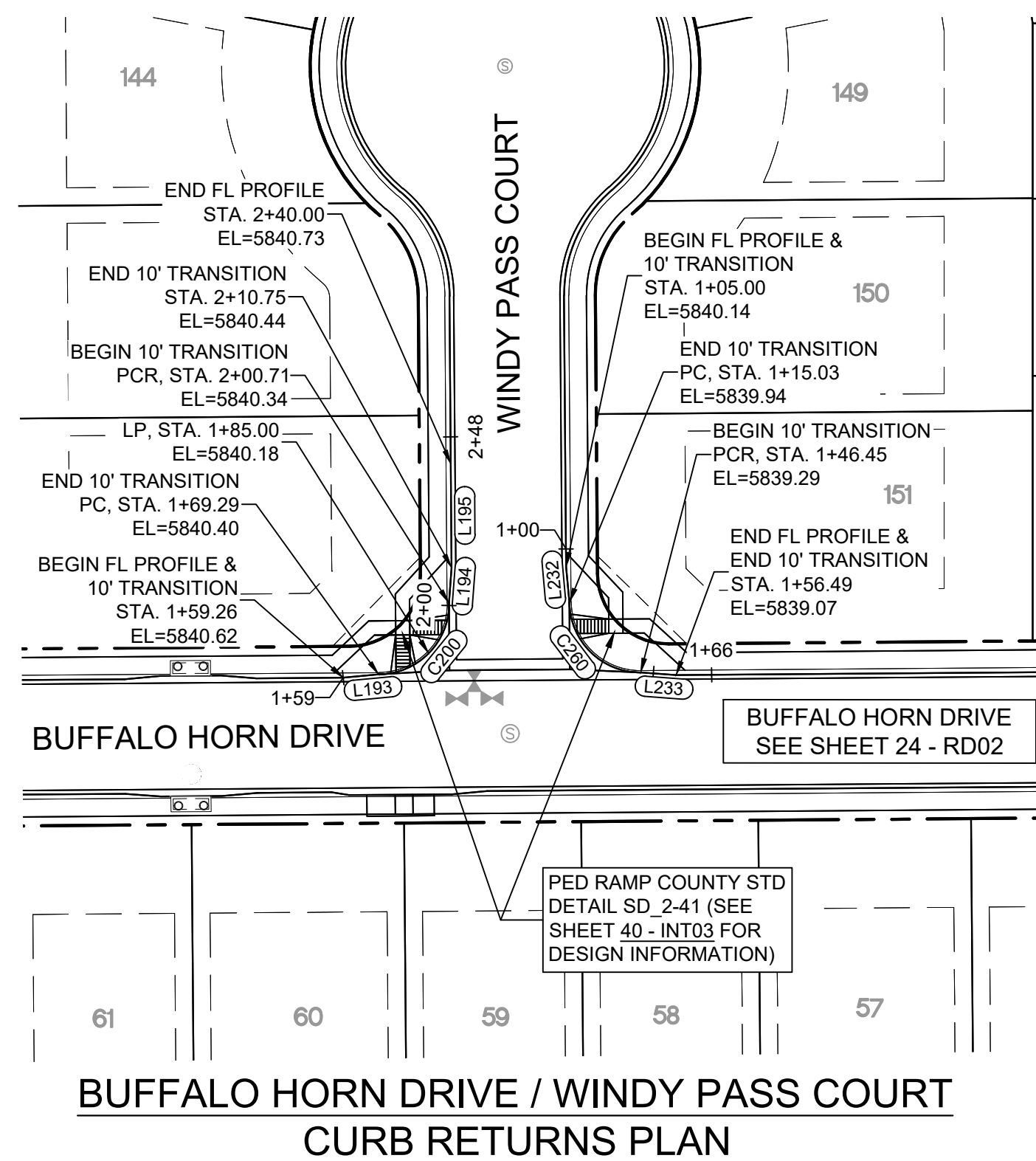
## ROADWAY PLAN & PROFILE

DESIGNED BY:	NMS	SCALE	DATE ISSUED:	JULY, 2019	DRAWING No.  <b>RD14</b>
DRAWN BY:	TJC	HORIZ. 1"=40'			
CHECKED BY:	NMS	VERT. 1"=8'	SHEET	36 OF 71	



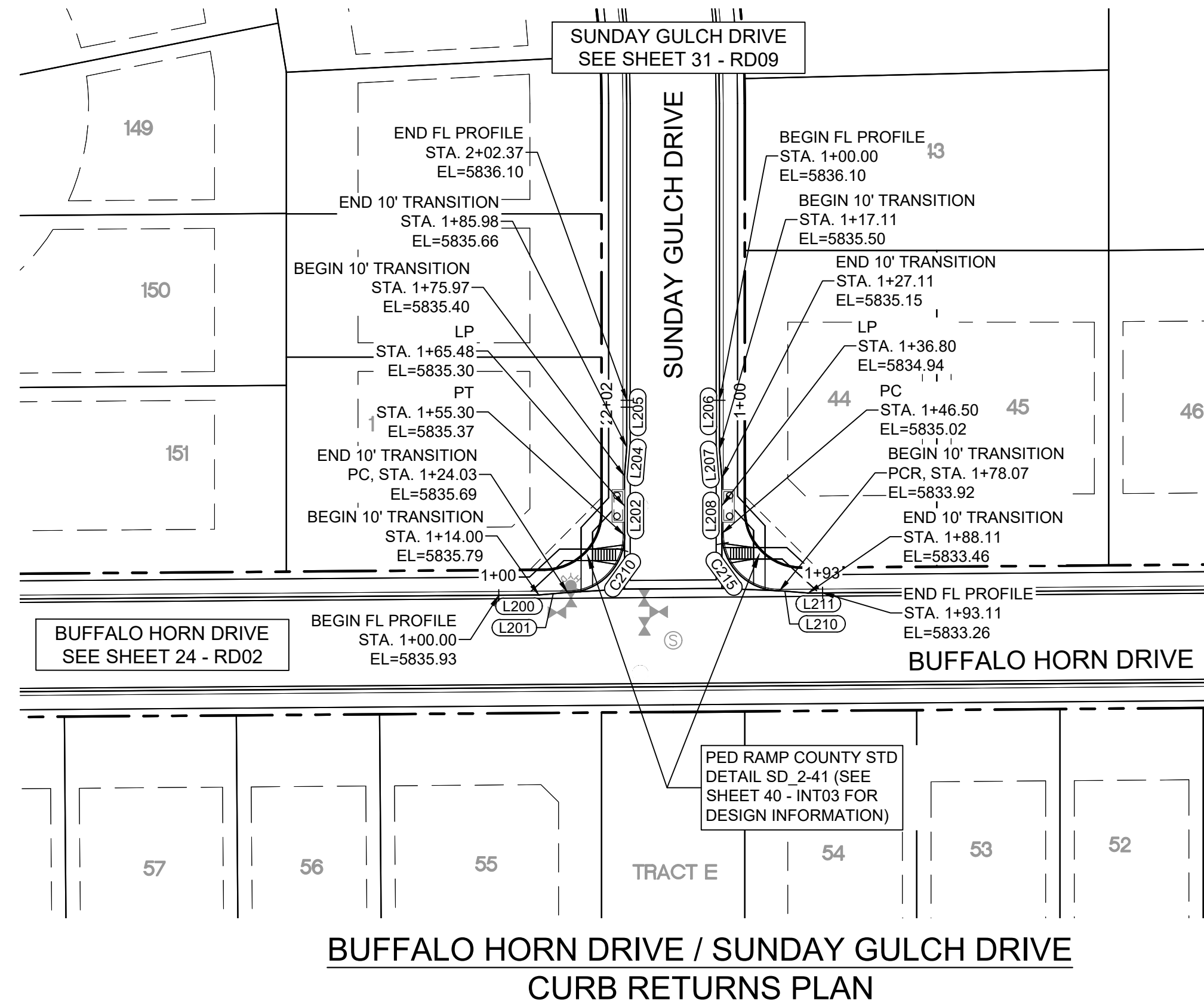


Know what's below.  
Call before you dig.



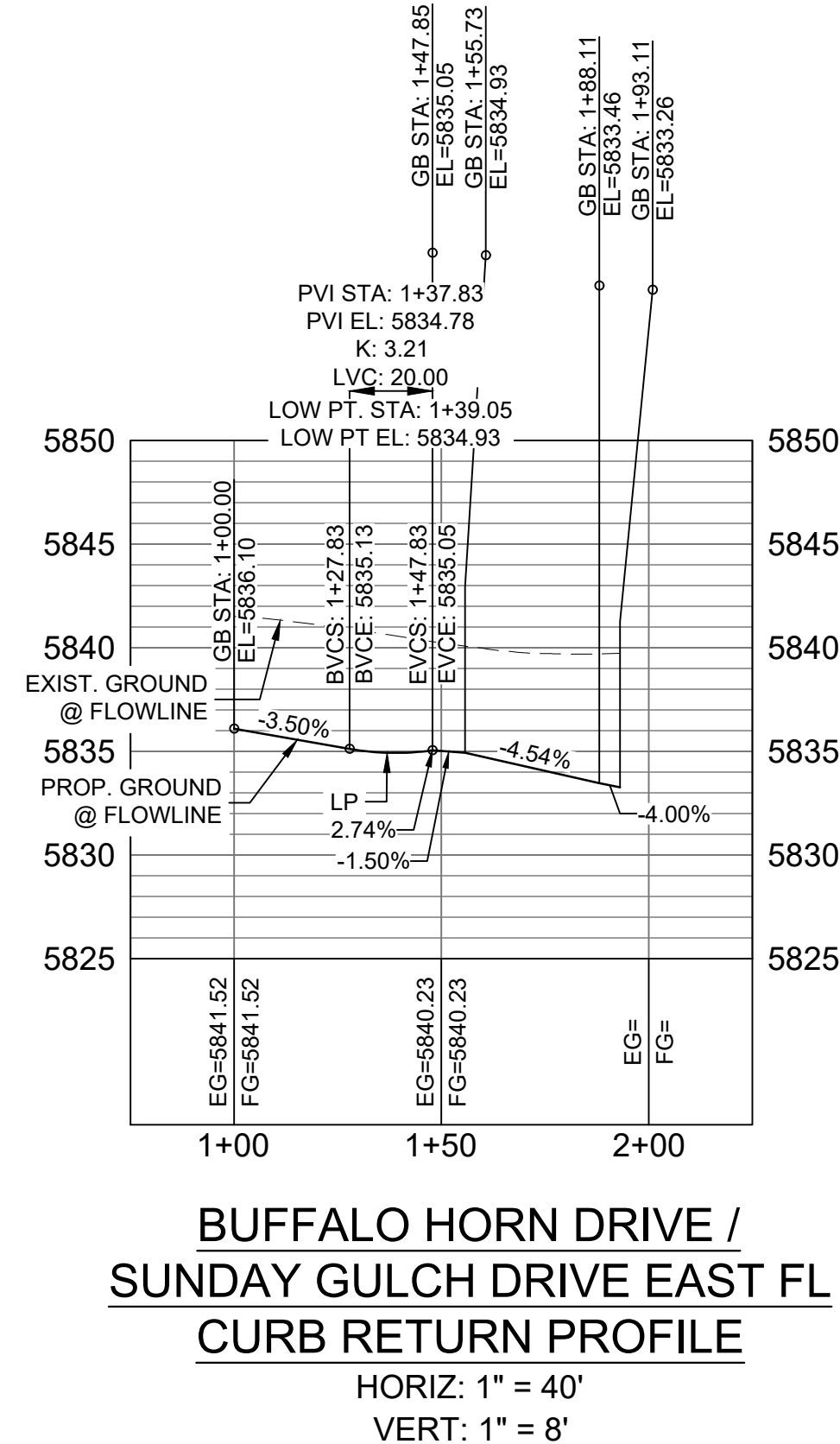
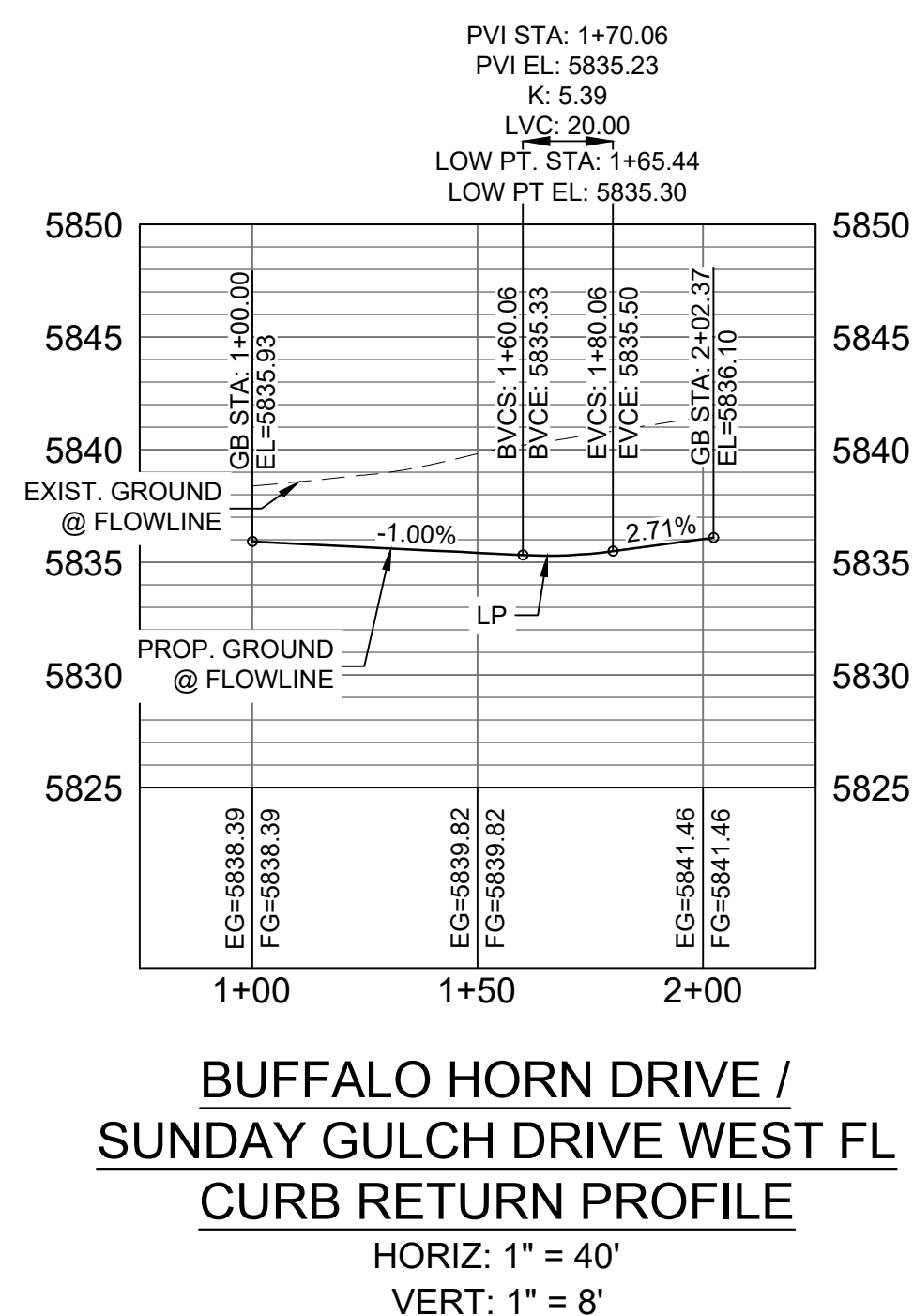
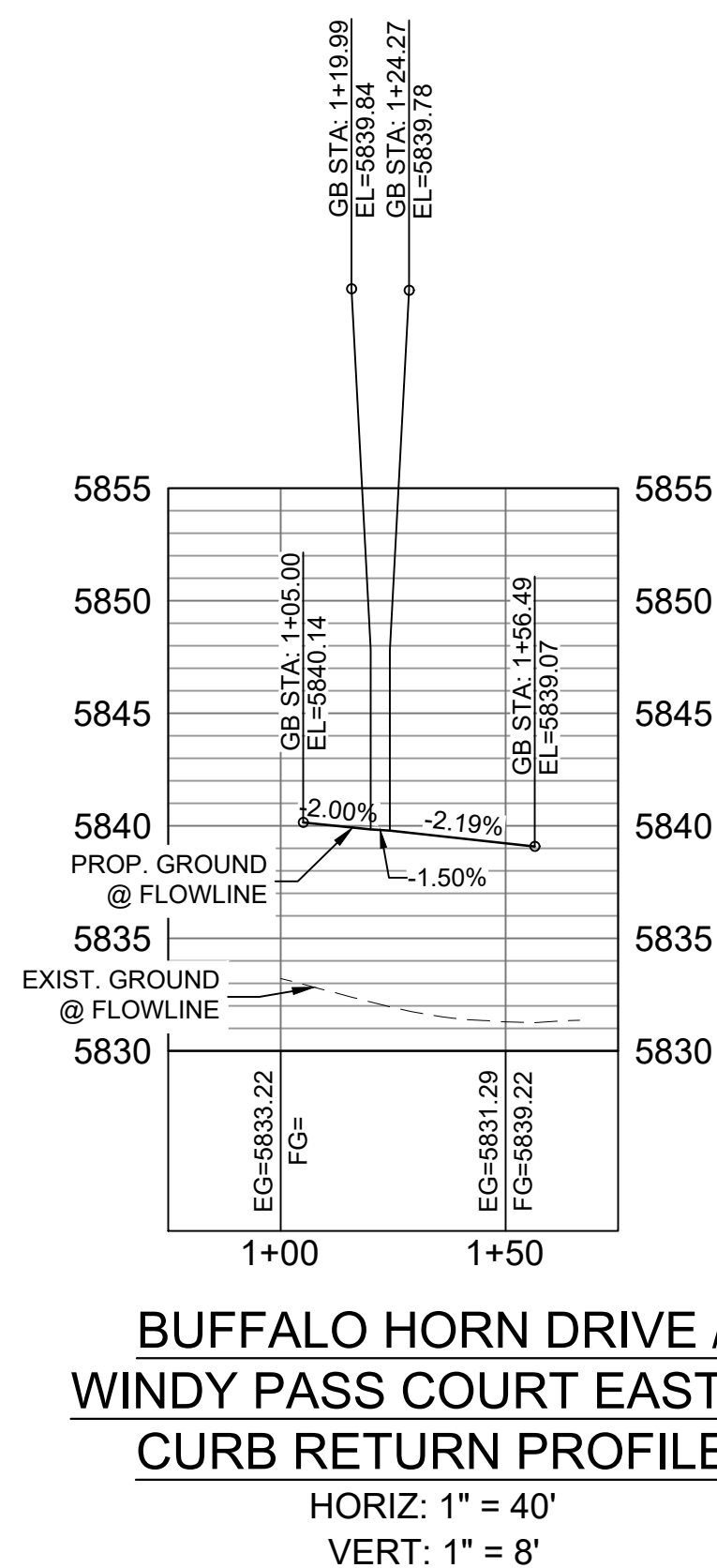
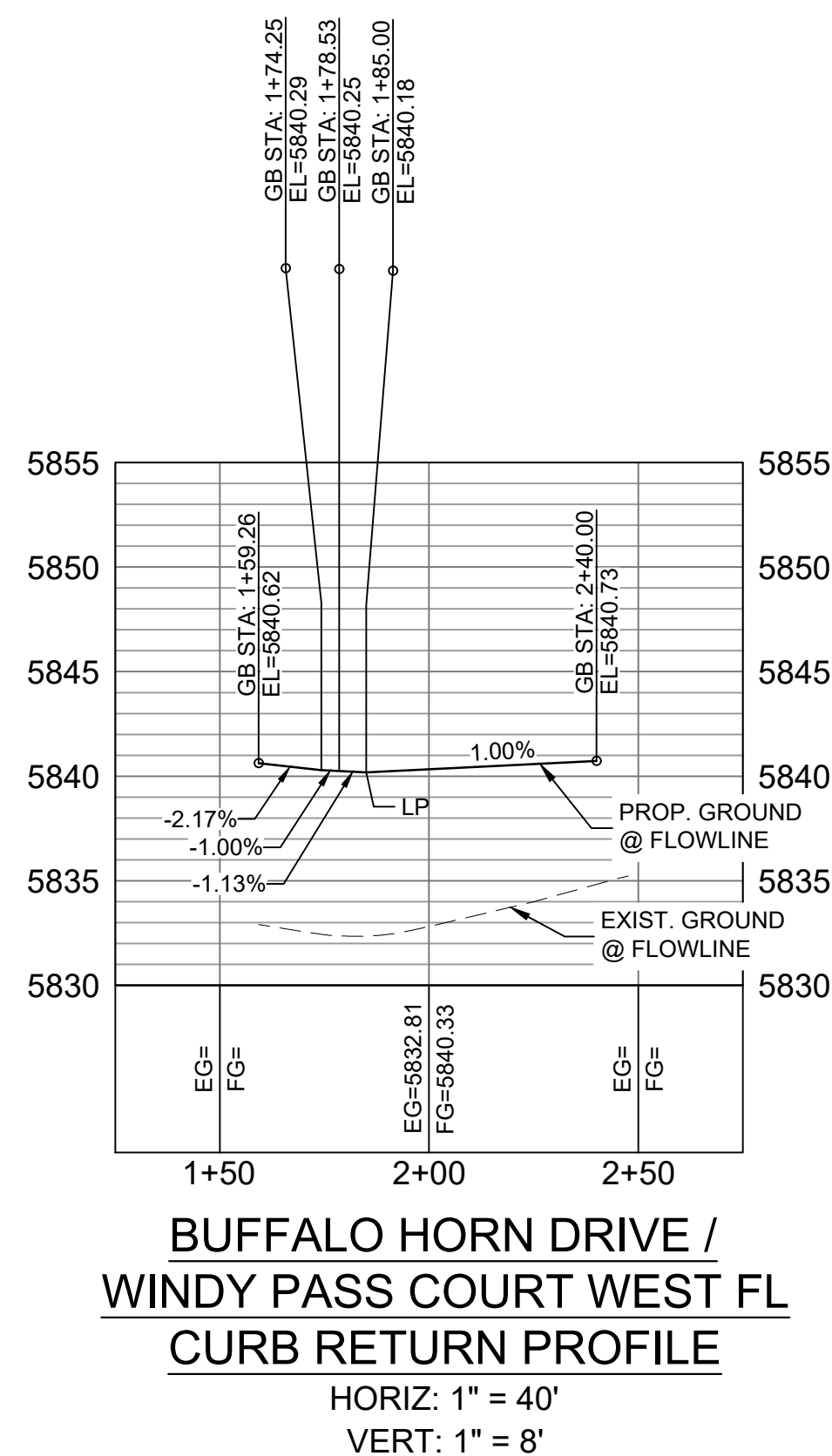
LINE TABLE		
LINE #	BEARING	DISTANCE
L193	N84°47'46"E	10.03
L194	N04°19'24"E	10.03
L195	N00°26'25"W	29.25
L232	S05°12'14"E	10.03
L233	S85°40'38"E	10.03

CURVE TABLE			
CURVE #	ARC LENGTH	RADIUS	DELTA ANGLE
C200	31.42	20.00	90°00'00"
C260	31.42	20.00	90°00'00"



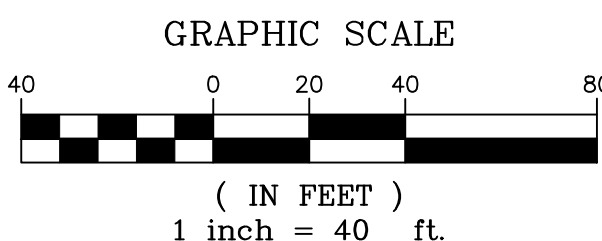
LINE TABLE		
LINE #	BEARING	DISTANCE
L200	N89°33'35"E	14.00
L201	N84°47'46"E	10.03
L202	N00°00'00"E	20.68
L204	N04°46'45"E	10.00
L205	N00°00'00"E	16.39
L206	S00°00'00"E	17.11
L207	S04°46'47"E	10.00
L208	S00°00'00"E	19.39
L210	S85°40'38"E	10.03
L211	N89°33'35"E	5.00

CURVE TABLE			
CURVE #	ARC LENGTH	RADIUS	DELTA ANGLE
C210	31.26	20.00	89°33'35"
C215	31.57	20.00	90°26'25"



**BENCHMARK**  
COLORADO SPRINGS UTILITIES (FIMS) MONUMENT F206  
A BERNITSEN TOP SECURITY MONUMENT SYSTEM WITH A 3.5-INCH  
DIAMETER ALUMINUM CAP IN A ROAD BOX, LOCATED ON THE  
NORTHWEST CORNER OF FONTAINE BOULEVARD AND POWERS  
BOULEVARD,  
ELEVATION - 5897.89' U.S. SURVEY FT

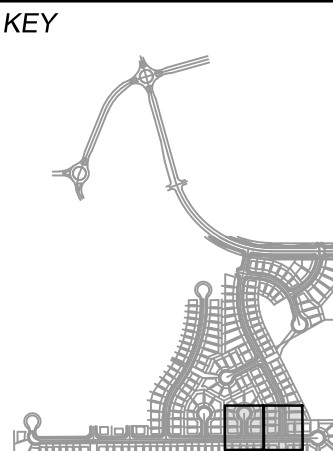
**BASIS OF BEARING**  
BEARINGS ARE BASED ON THE NORTH LINE OF THE NORTHWEST  
QUARTER OF SECTION 9, TOWNSHIP 15 SOUTH, RANGE 65 WEST OF  
THE 6TH P.M. SAID LINE BEARS S89°51'23"E FROM THE NORTHWEST  
CORNER OF SAID SECTION 9 (2 1/2" AULM. CAP PLS 17664) TO THE N 1/4  
CORNER OF SAID SECTION 9 (3 1/2" AULM. CAP PLS 10377)



No.	DATE	DESCRIPTION	BY
COMPUTER FILE MANAGEMENT			
FILE NAME: S:\19.886.011 (Trails at Aspen Ridge - F1)\100 Dwg\104 Plan Sets\Construction Plans\Road & Storm Plans\RD13-15.dwg			
CTB FILE: ---			
PLOT DATE: July 2, 2019 1:47:15 PM			
THIS DRAWING IS CURRENT AS OF PLOT DATE AND MAY BE SUBJECT TO CHANGE.			

**DESIGN DATA:**  
SIDEWALKS: WIDTH 5'  
LOCATION: ATTACHED ☒ DETACHED ☐  
DESIGN SPEED: 25 MPH  
CURB TYPE ☒ A ☐ B ☐ C ☐ D ☐ E COMPOSITE SECTION: HMA BASE  
ROW WIDTH 50' FL-FL 32'  
STREET TYPE RESIDENTIAL

SHEET KEY



**REVIEW:**  
STREET DESIGN: \_\_\_\_\_ DATE: \_\_\_\_\_  
CURB & GUTTER REVIEW \_\_\_\_\_ DATE: \_\_\_\_\_  
FINAL REVIEW \_\_\_\_\_ DATE: \_\_\_\_\_  
DRAINAGE DESIGN: \_\_\_\_\_ DATE: \_\_\_\_\_  
BY: \_\_\_\_\_ DATE: \_\_\_\_\_  
TRAFFIC DESIGN: \_\_\_\_\_ DATE: \_\_\_\_\_  
BY: \_\_\_\_\_ DATE: \_\_\_\_\_

*\*Filed in accordance with Section 7.7.906 (Drainage Ordinance) of the code of the City of Colorado Springs, 2001 as amended.*

PREPARED BY:

**Matrix**  
DESIGN GROUP

SEAL

FOR AND ON BEHALF OF  
MATRIX DESIGN GROUP, INC.  
PROJECT No. 19.886.011

DESIGNED BY: NMS  
DRAWN BY: TJC  
CHECKED BY: NMS

SCALE  
HORIZ. 1"=40'  
VERT. 1"=8'

DATE ISSUED: JULY, 2019  
SHEET 37 OF 71

DRAWING No.  
RD15

TRAILS AT ASPEN RIDGE

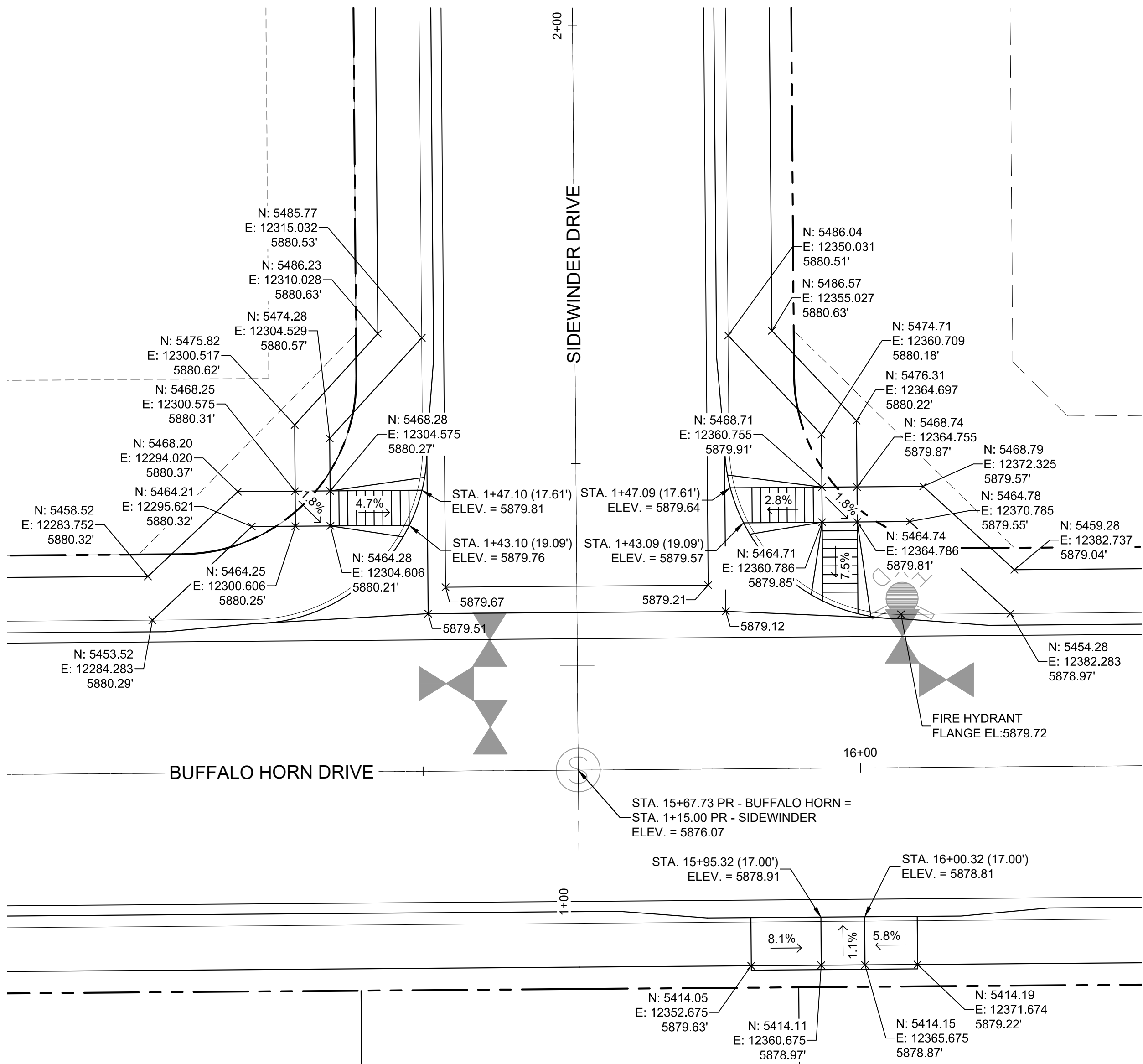
FILING NO. 1  
ROADWAY & STORMDRAIN IMPROVEMENT PLANS

ROADWAY PLAN &amp; PROFILE

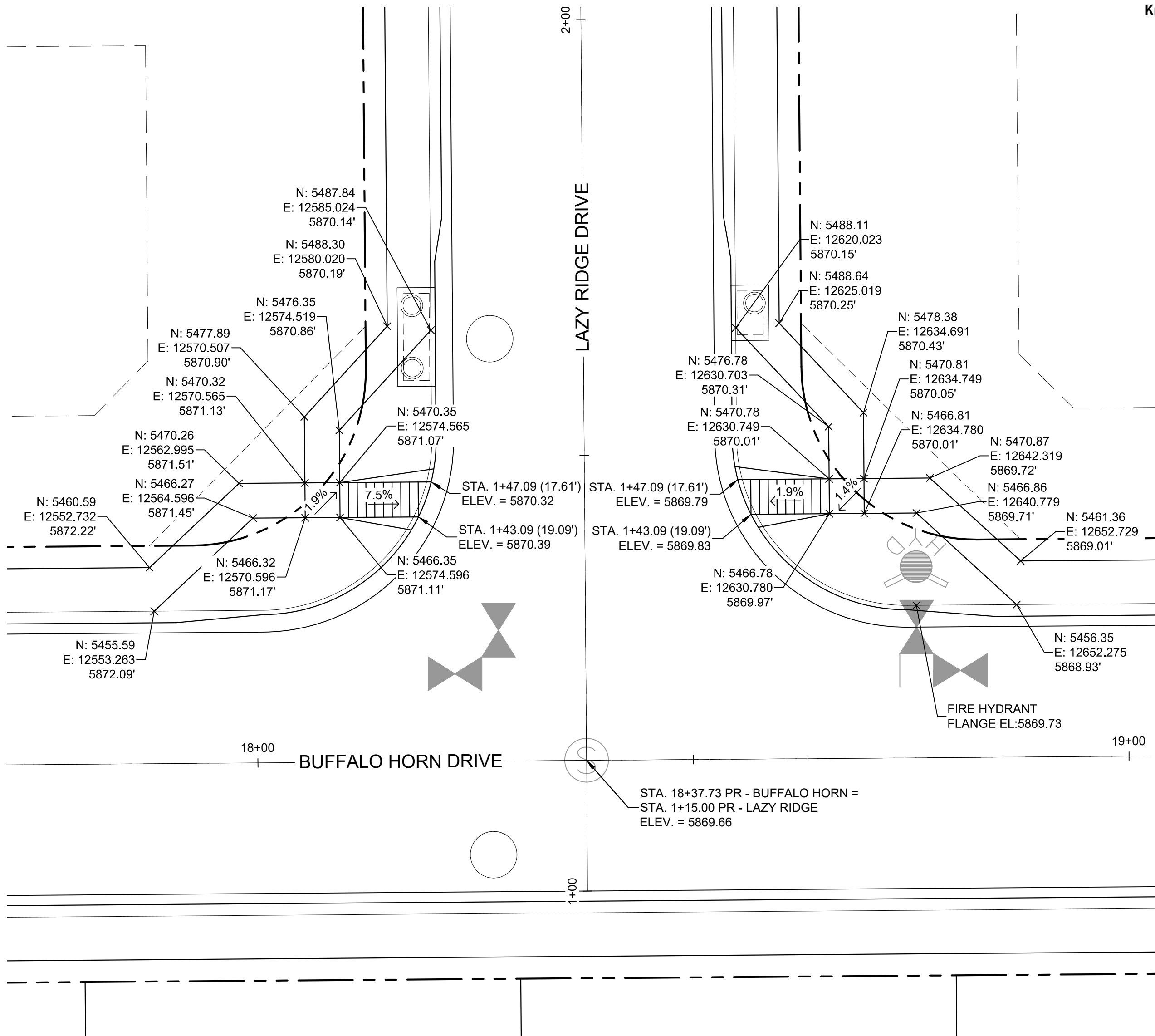




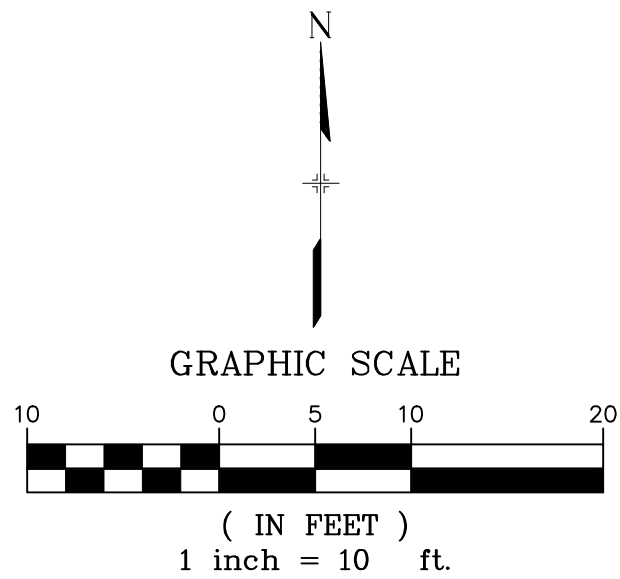
Know what's below.  
Call before you dig.



**DETAIL D**  
**BUFFALO HORN DRIVE/**  
**SIDEWINDER DRIVE**  
**PED RAMP DETAILS**



**DETAIL E**  
**BUFFALO HORN DRIVE/**  
**LAZY RIDGE DRIVE**  
**PED RAMP DETAILS**



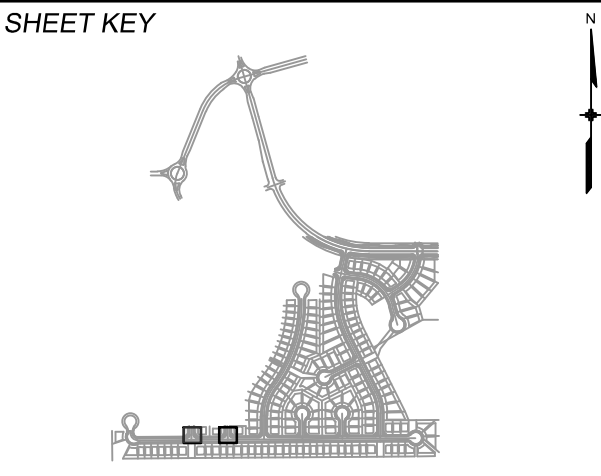
**BENCHMARK**  
COLORADO SPRINGS UTILITIES (FIMS) MONUMENT F206  
A BERNTSEN TOP SECURITY MONUMENT SYSTEM WITH A 3.5-INCH  
DIAMETER ALUMINUM CAP IN A ROAD BOX, LOCATED ON THE  
NORTHWEST CORNER OF FONTAINE BOULEVARD AND POWERS  
BOULEVARD,  
ELEVATION - 5897.89' U.S. SURVEY FT

**BASIS OF BEARING**  
BEARINGS ARE BASED ON THE NORTH LINE OF THE NORTHWEST  
QUARTER OF SECTION 9, TOWNSHIP 15 SOUTH, RANGE 65 WEST OF  
THE 6TH P.M. SAID LINE BEARS S89°51'23"E FROM THE NORTHWEST  
CORNER OF SAID SECTION 9 (2 1/2" AULM. CAP PLS 17664) TO THE N 1/4  
CORNER OF SAID SECTION 9 (3 1/4" AULM. CAP PLS 10377)

No.	DATE	DESCRIPTION	BY
COMPUTER FILE MANAGEMENT			
FILE NAME: S:\19.886.011 (Trails at Aspen Ridge - F1)\100 Dwg\104 Plan Sets\Construction Plans\Road & Storm Plans\RD16-21.dwg			
PLOT DATE: July 2, 2019 1:48:03 PM			
THIS DRAWING IS CURRENT AS OF PLOT DATE AND MAY BE SUBJECT TO CHANGE.			

**DESIGN DATA:**  
SIDEWALKS: WIDTH 5'  
LOCATION: ATTACHED ☒ DETACHED ☐  
DESIGN SPEED: 25 MPH  
CURB TYPE ☒ A ☐ B ☐ C ☐ D ☐ E  
ROW WIDTH 50' FL-FL 32'  
STREET TYPE RESIDENTIAL

PAVEMENT:  
TYPE: HMA ☐ PCC ☐  
THICKNESS:  
COMPOSITE SECTION:  
HMA BASE



**REVIEW:**  
STREET DESIGN:  
CURB & GUTTER REVIEW \_\_\_\_\_ DATE: \_\_\_\_\_  
FINAL REVIEW \_\_\_\_\_ DATE: \_\_\_\_\_  
DRAINAGE DESIGN:  
BY: \_\_\_\_\_ DATE: \_\_\_\_\_  
TRAFFIC DESIGN:  
BY: \_\_\_\_\_ DATE: \_\_\_\_\_

*"Filed in accordance with Section 7.7.906 (Drainage Ordinance) of the code of the City of Colorado Springs, 2001 as amended."*



**SEAL**

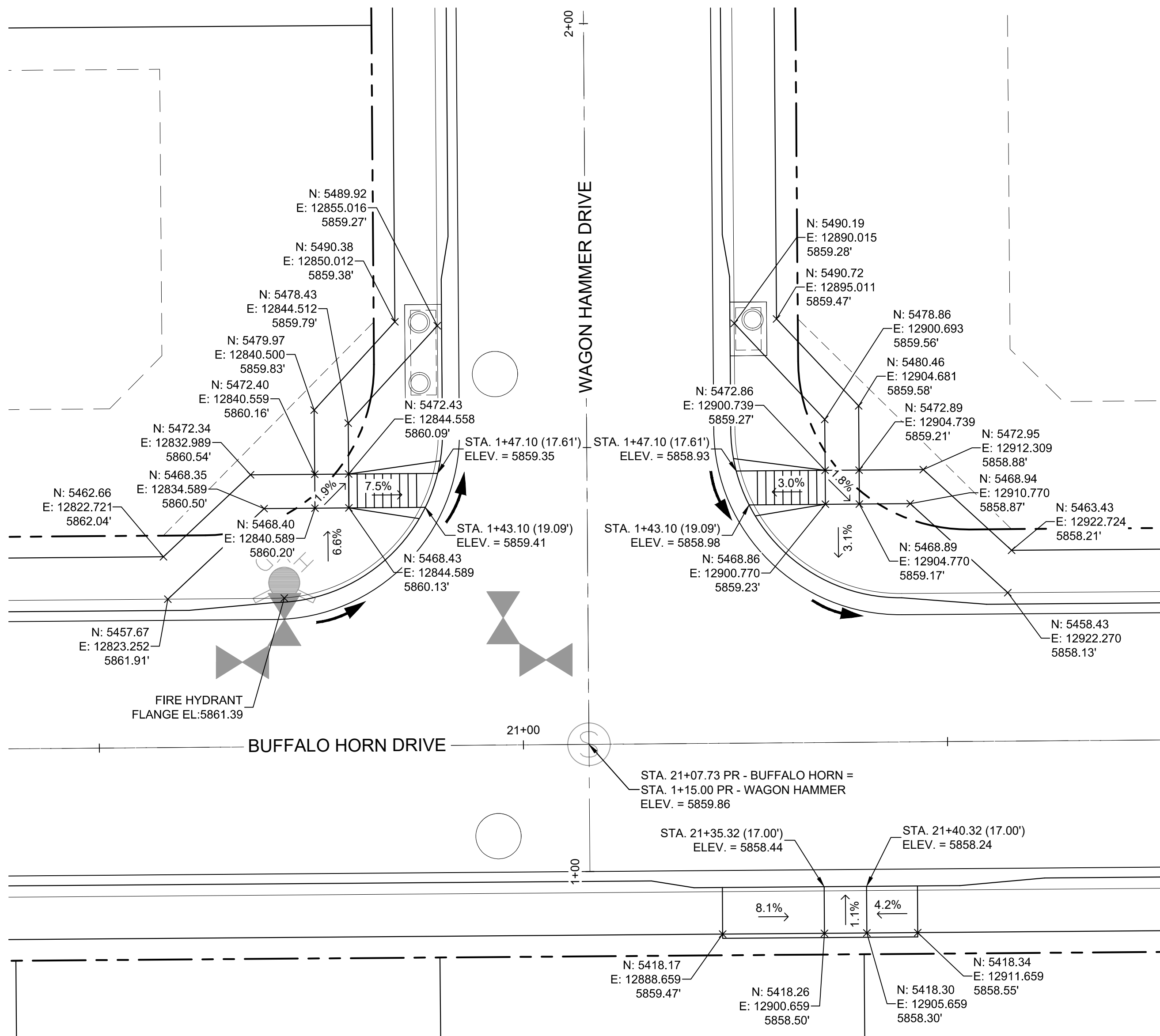
FOR AND ON BEHALF OF  
MATRIX DESIGN GROUP, INC.  
PROJECT No. 19.886.011

TRAILS AT ASPEN RIDGE			
FILING NO. 1 ROADWAY & STORMDRAIN IMPROVEMENT PLANS			
PED RAMP DETAILS			
DESIGNED BY: NMS	SCALE: HORIZ. 1"=40'	DATE ISSUED: JULY, 2019	DRAWING No. INT01
CHECKED BY: NMS	VERT. 1"=8'	SHEET 38 OF 71	

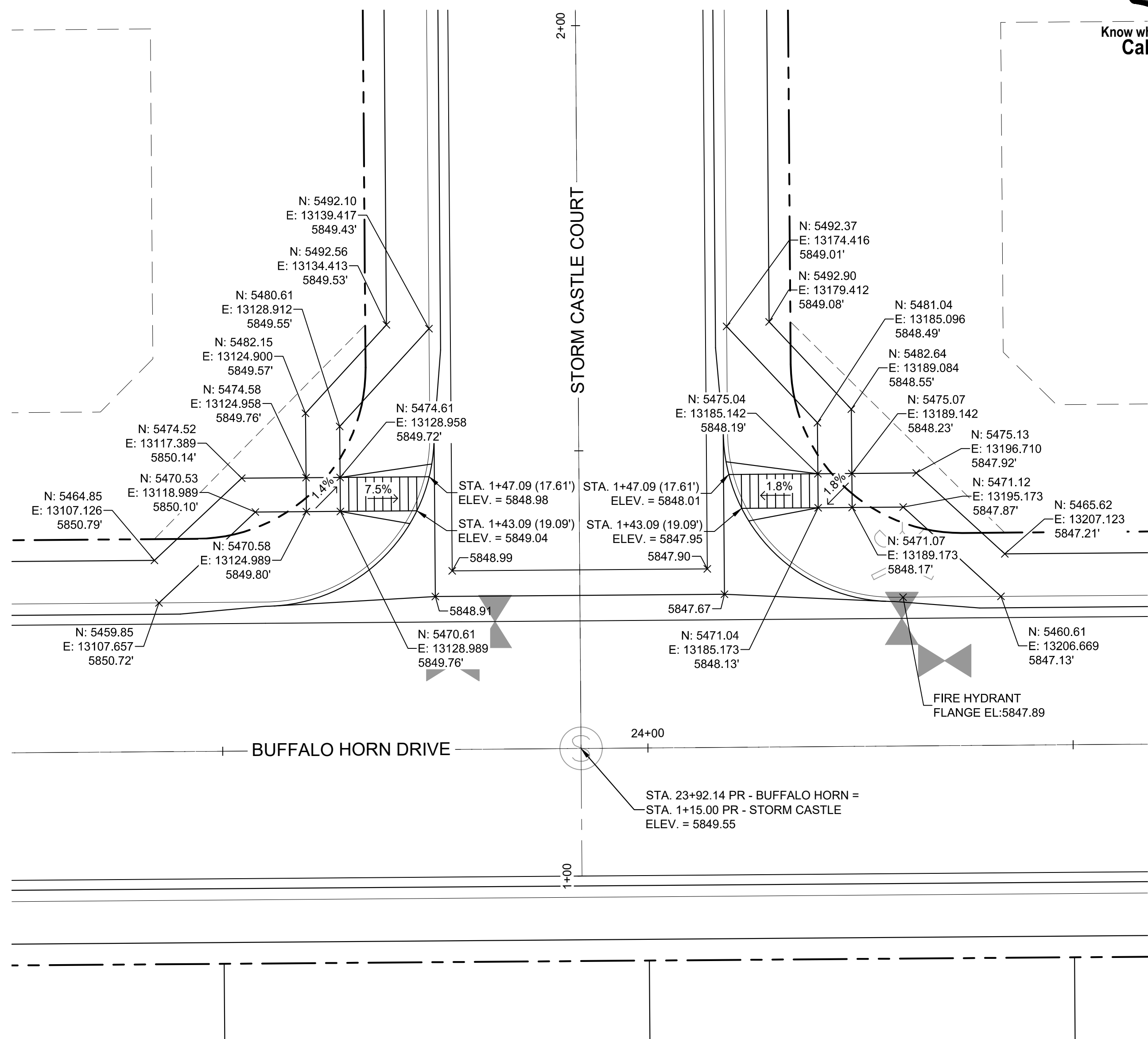




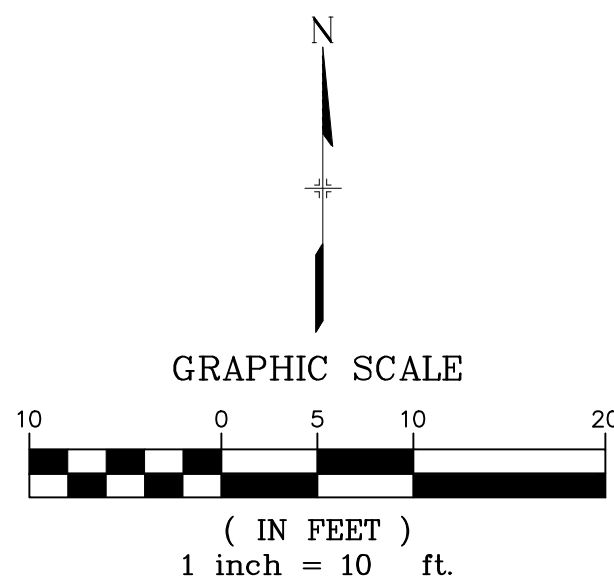
Know what's below.  
Call before you dig.



**DETAIL F**  
**BUFFALO HORN DRIVE/**  
**WAGON HAMMER DRIVE**  
**PED RAMP DETAILS**



**DETAIL G**  
**BUFFALO HORN DRIVE/**  
**STORM CASTLE COURT**  
**PED RAMP DETAILS**

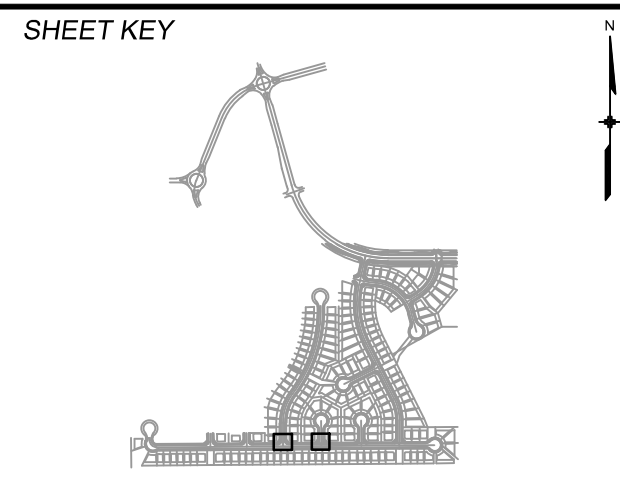


**BENCHMARK**  
COLORADO SPRINGS UTILITIES (FIMS) MONUMENT F206  
A BERNITSEN TOP SECURITY MONUMENT SYSTEM WITH A 3.5-INCH  
DIAMETER ALUMINUM CAP IN A ROAD BOX, LOCATED ON THE  
NORTHWEST CORNER OF FONTAINE BOULEVARD AND POWERS  
BOULEVARD,  
ELEVATION - 5897.89' U.S. SURVEY FT

**BASIS OF BEARING**  
BEARINGS ARE BASED ON THE NORTH LINE OF THE NORTHWEST  
QUARTER OF SECTION 9, TOWNSHIP 15 SOUTH, RANGE 65 WEST OF  
THE 6TH P.M. SAID LINE BEARS S89°51'23"E FROM THE NORTHWEST  
CORNER OF SAID SECTION 9 (2 1/2" AULM. CAP PLS 17664) TO THE N 1/4  
CORNER OF SAID SECTION 9 (3 1/2" AULM. CAP PLS 10377)

No.	DATE	DESCRIPTION	BY
COMPUTER FILE MANAGEMENT			
FILE NAME: S:\19.886.011 (Trails at Aspen Ridge - F1)\100 Dwg\104 Plan Sets\Construction Plans\Road & Storm Plans\RD16-21.dwg			
PLOT DATE: July 2, 2019 1:48:11 PM			
THIS DRAWING IS CURRENT AS OF PLOT DATE AND MAY BE SUBJECT TO CHANGE.			

<b>DESIGN DATA:</b>	
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LOCATION: ATTACHED <input checked="" type="checkbox"/> DETACHED <input type="checkbox"/>	THICKNESS:
DESIGN SPEED: 25 MPH	COMPOSITE SECTION: HMA <input type="checkbox"/> BASE <input type="checkbox"/>
CURB TYPE <input checked="" type="checkbox"/> A <input type="checkbox"/> B <input type="checkbox"/> C <input type="checkbox"/> D <input type="checkbox"/> E	
ROW WIDTH 50' FL-FL 32'	
STREET TYPE RESIDENTIAL	



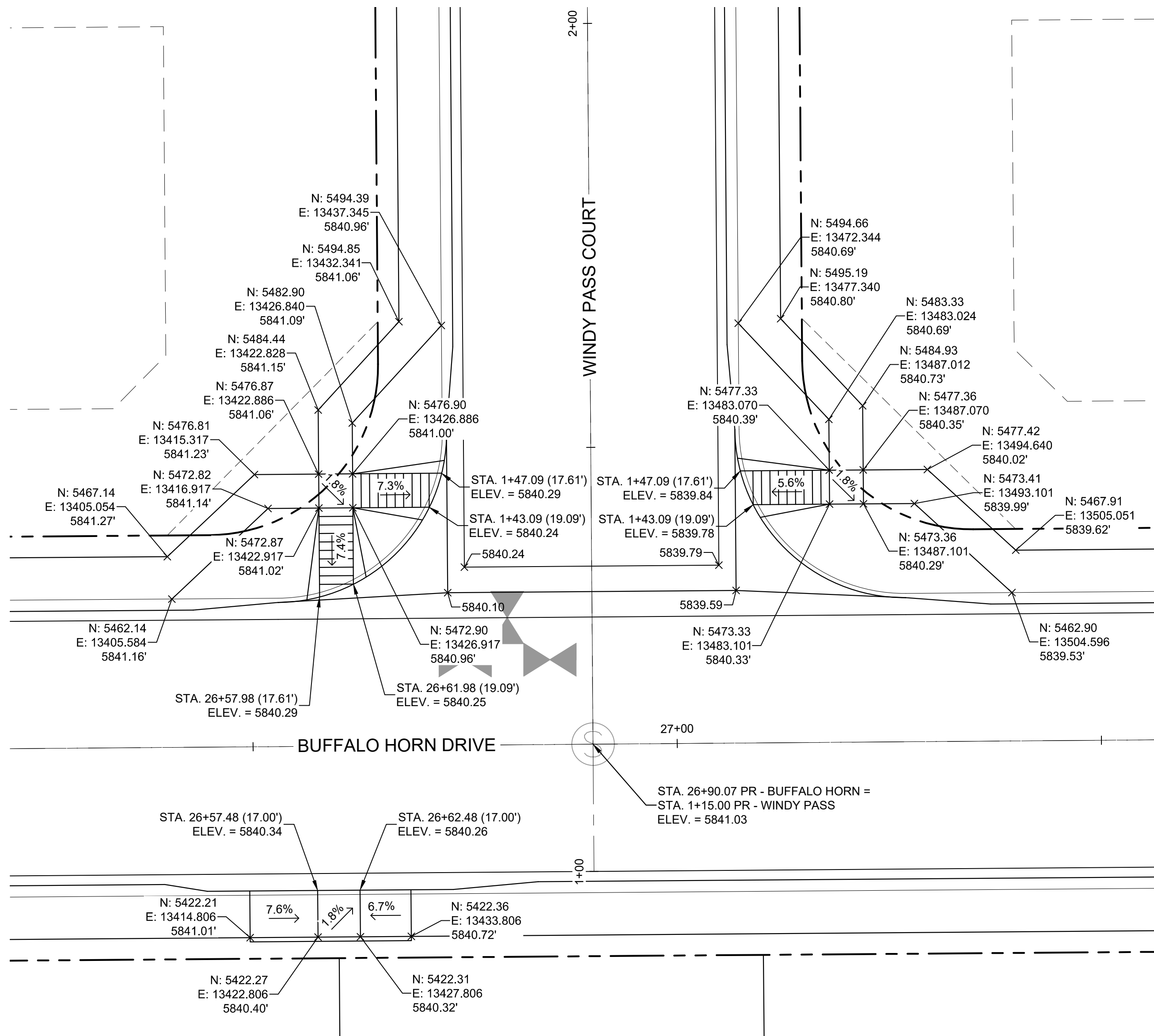
<b>REVIEW:</b>	
STREET DESIGN:	
CURB & GUTTER REVIEW	DATE: _____
FINAL REVIEW	DATE: _____
DRAINAGE DESIGN:	
BY: _____	DATE: _____
TRAFFIC DESIGN:	
BY: _____	DATE: _____
*Filed in accordance with Section 7.7.906 (Drainage Ordinance) of the code of the City of Colorado Springs, 2001 as amended.	



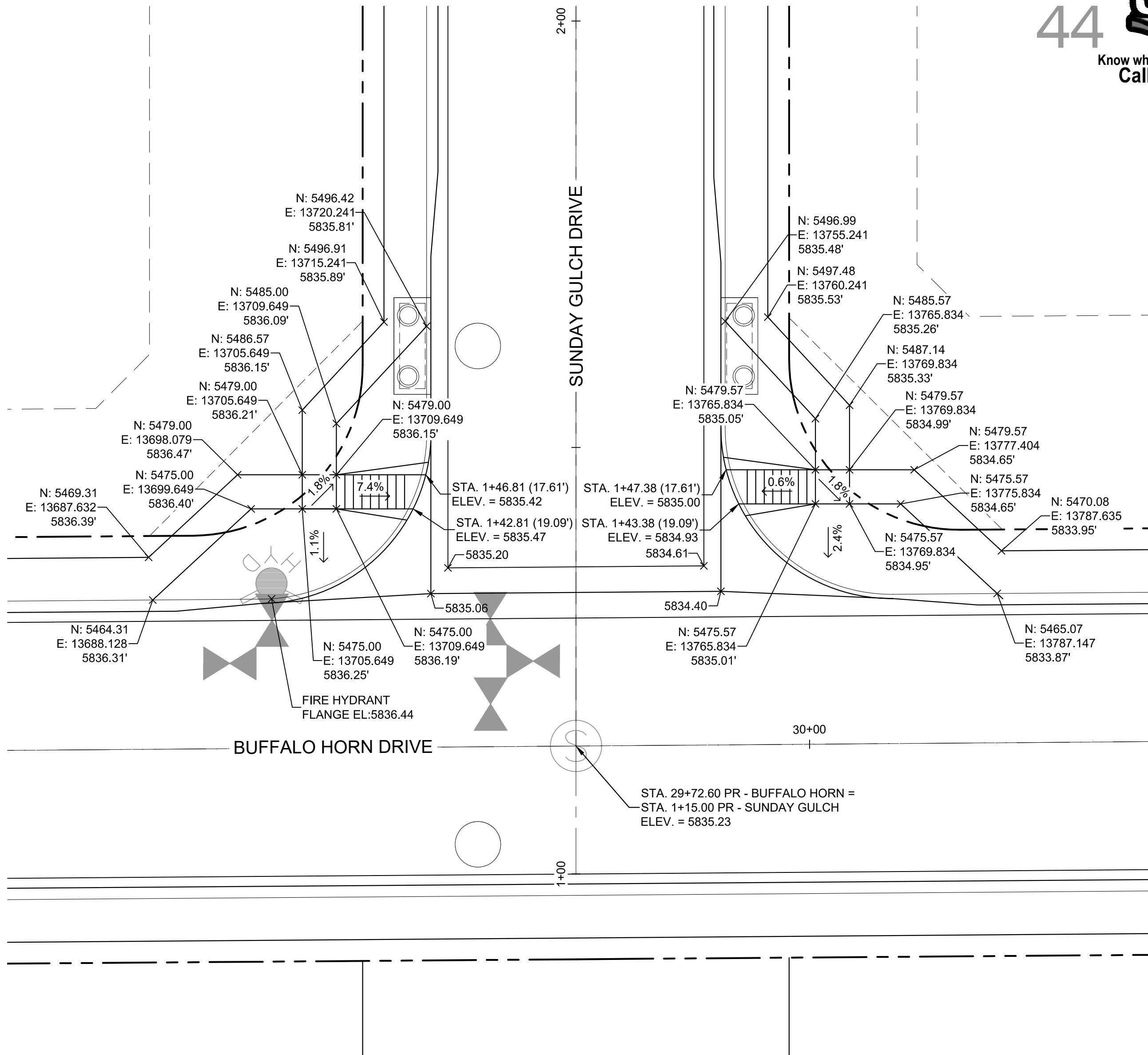
<b>SEAL</b>	
FOR AND ON BEHALF OF MATRIX DESIGN GROUP, INC. PROJECT No. 19.886.011	

<b>TRAILS AT ASPEN RIDGE</b>			
FILING NO. 1			
ROADWAY & STORMDRAIN IMPROVEMENT PLANS			
<b>PED RAMP DETAILS</b>			
DESIGNED BY: NMS	SCALE: 1"=40'	DATE ISSUED: JULY, 2019	DRAWING No. INT02
CHECKED BY: NMS	VERT. 1"=8'	SHEET 39 OF 71	

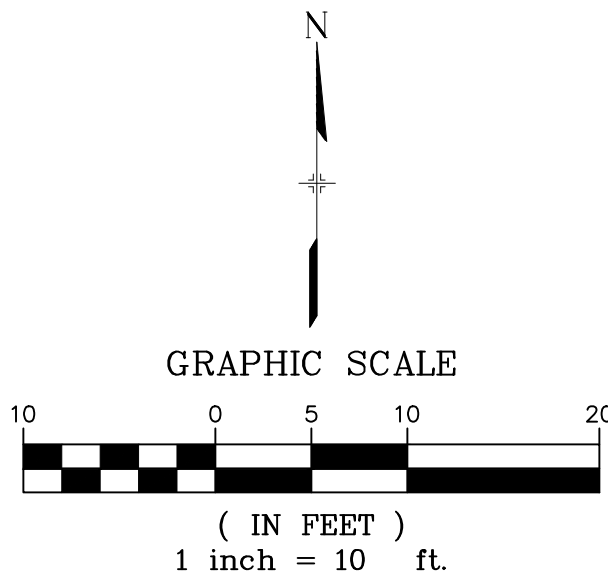




**DETAIL H**  
**BUFFALO HORN DRIVE/  
WINDY PASS COURT  
PED RAMP DETAILS**



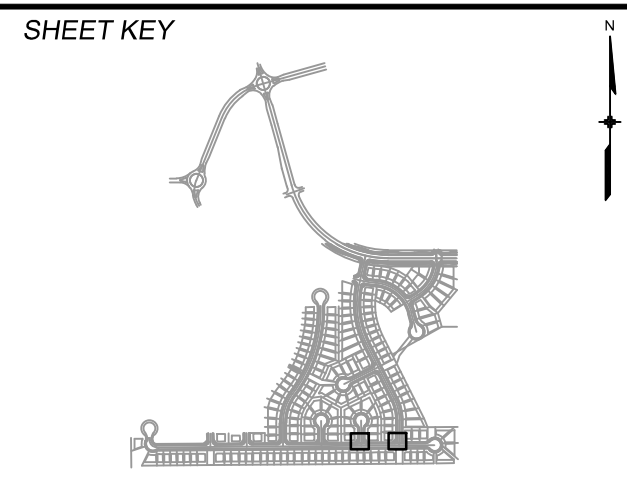
**DETAIL I**  
**BUFFALO HORN DRIVE/  
SUNDAY GULCH DRIVE  
PED RAMP DETAILS**



**BENCHMARK**  
COLORADO SPRINGS UTILITIES (FIMS) MONUMENT F206  
A BERNITSEN TOP SECURITY MONUMENT SYSTEM WITH A 3.5-INCH  
DIAMETER ALUMINUM CAP IN A ROAD BOX, LOCATED ON THE  
NORTHWEST CORNER OF FONTAINE BOULEVARD AND POWERS  
BOULEVARD,  
ELEVATION - 5897.89' U.S. SURVEY FT  
**BASIS OF BEARING**  
BEARINGS ARE BASED ON THE NORTH LINE OF THE NORTHWEST  
QUARTER OF SECTION 9, TOWNSHIP 15 SOUTH, RANGE 65 WEST OF  
THE 6TH P.M. SAID LINE BEARS S89°51'23"E FROM THE NORTHWEST  
CORNER OF SAID SECTION 9 (2 1/2" AULM. CAP PLS 17664) TO THE N 1/4  
CORNER OF SAID SECTION 9 (3 1/2" AULM. CAP PLS 10377)

No.	DATE	DESCRIPTION	BY
COMPUTER FILE MANAGEMENT			
FILE NAME: S:\19.886.011 (Trails at Aspen Ridge - F1)\100 Dwg\104 Plan Sets\Construction Plans\Road & Storm Plans\RD16-21.dwg			
PLOT DATE: July 2, 2019 1:48:19 PM			
THIS DRAWING IS CURRENT AS OF PLOT DATE AND MAY BE SUBJECT TO CHANGE.			

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LOCATION: ATTACHED <input checked="" type="checkbox"/> DETACHED <input type="checkbox"/>	THICKNESS: <input type="checkbox"/>
DESIGN SPEED: 25 MPH	COMPOSITE SECTION: HMA <input type="checkbox"/> BASE <input type="checkbox"/>
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ROW WIDTH 50' FL-FL 32'	
STREET TYPE RESIDENTIAL	



<b>REVIEW:</b>	
STREET DESIGN:	
CURB & GUTTER REVIEW	DATE: _____
FINAL REVIEW	DATE: _____
DRAINAGE DESIGN:	
BY: _____	DATE: _____
TRAFFIC DESIGN:	
BY: _____	DATE: _____
*Filed in accordance with Section 7.7.906 (Drainage Ordinance) of the code of the City of Colorado Springs, 2001 as amended.	



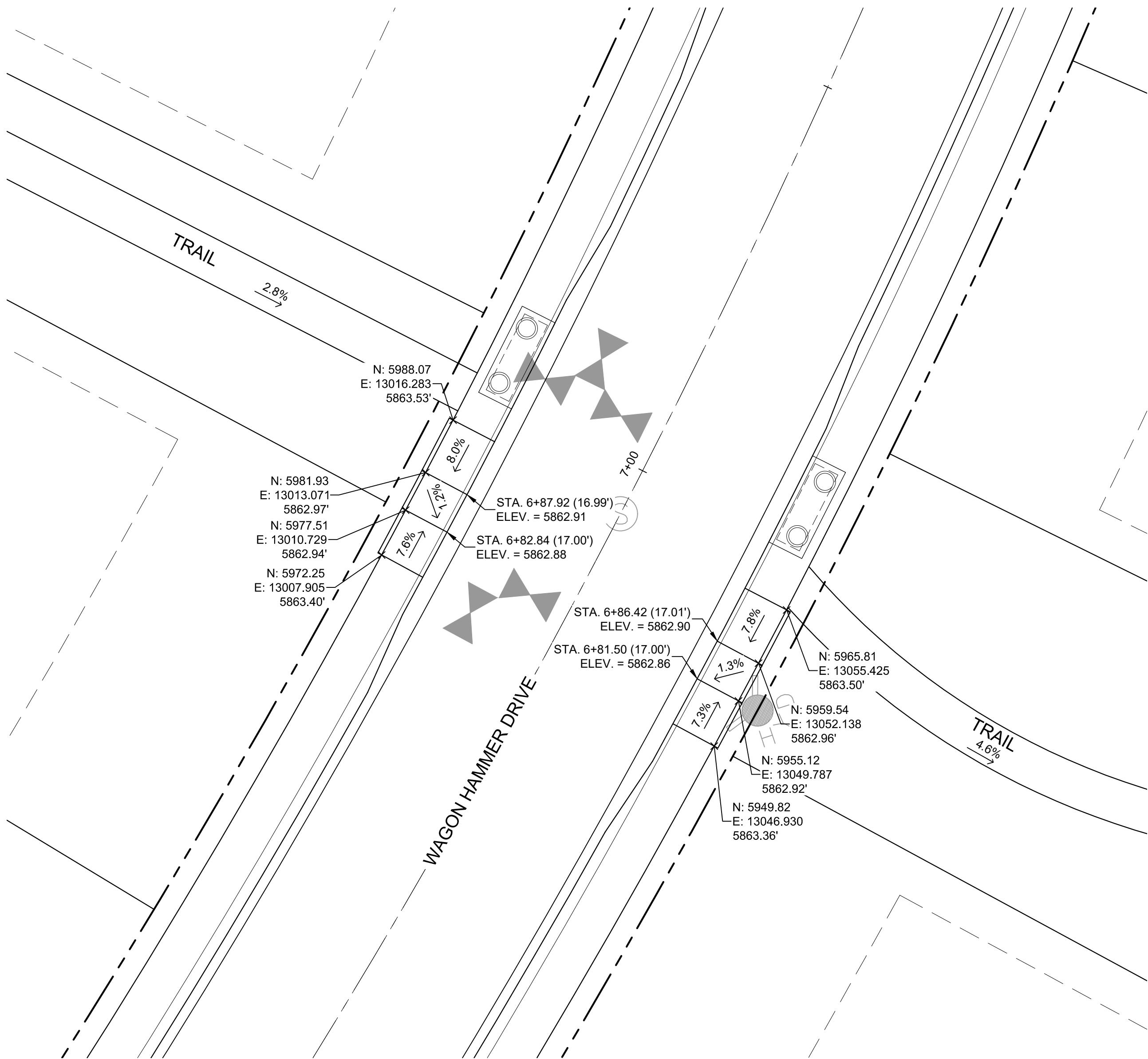
<b>SEAL</b>	
FOR AND ON BEHALF OF MATRIX DESIGN GROUP, INC. PROJECT No. 19.886.011	

<b>TRAILS AT ASPEN RIDGE</b>			
FILING NO. 1			
ROADWAY & STORMDRAIN IMPROVEMENT PLANS			
<b>PED RAMP DETAILS</b>			
DESIGNED BY: NMS	SCALE: 1"=40'	DATE ISSUED: JULY, 2019	DRAWING No. INT03
CHECKED BY: NMS	VERT. 1"=8'	SHEET 40 OF 71	

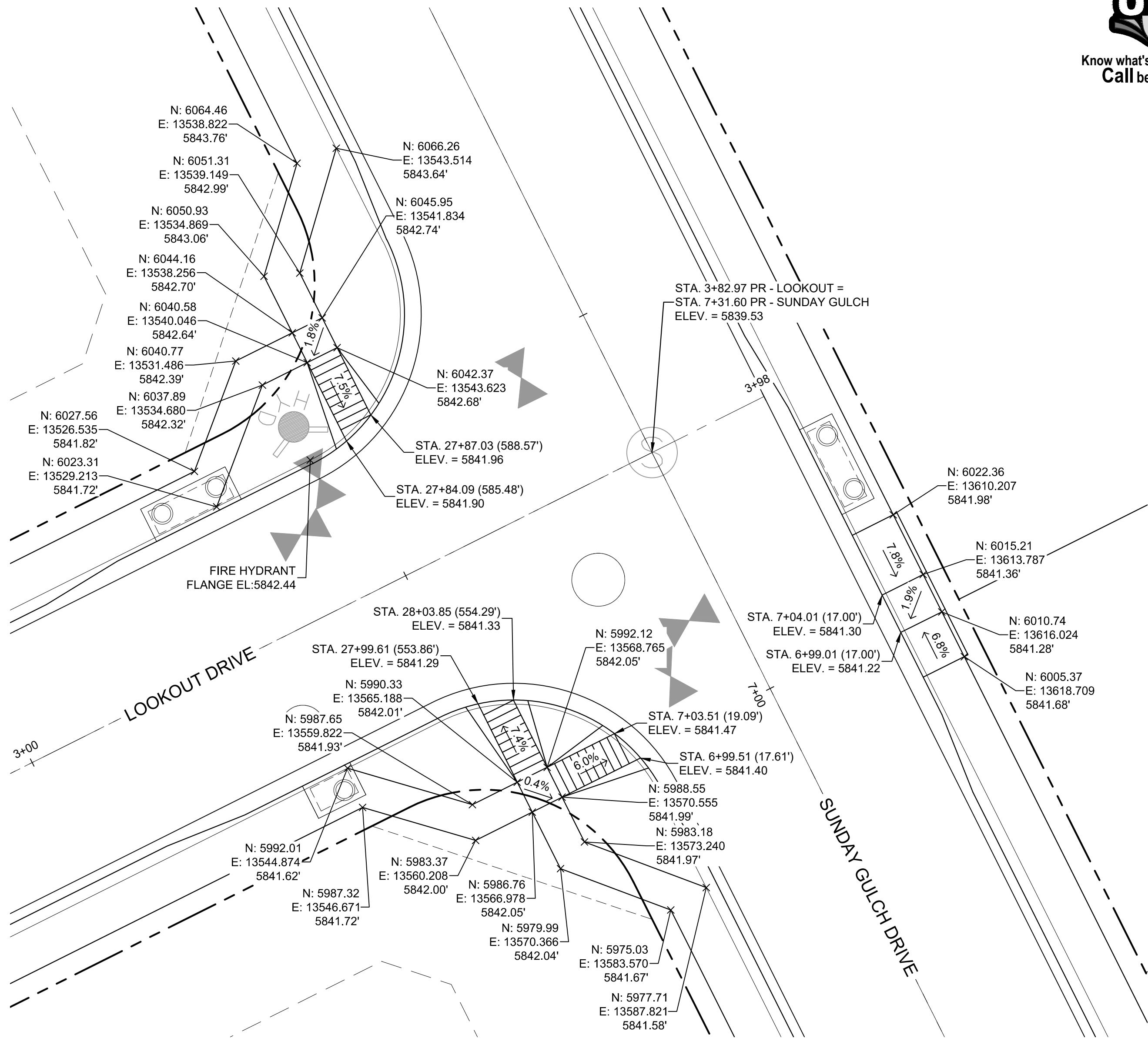




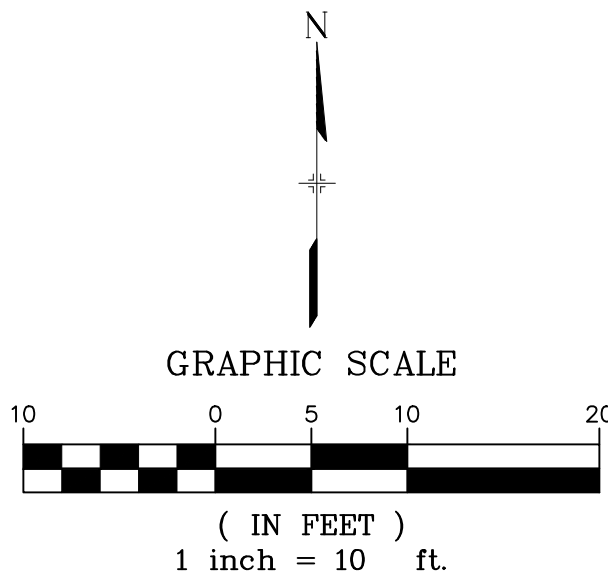
Know what's below.  
Call before you dig.



**DETAIL J**  
**WAGON HAMMER DRIVE/  
\*\*GREENBELT TRAIL (NAME?)  
PED RAMP DETAILS**



**DETAIL K**  
**LOOKOUT DRIVE/  
SUNDAY GULCH DRIVE  
PED RAMP DETAILS**



**BENCHMARK**  
COLORADO SPRINGS UTILITIES (FIMS) MONUMENT F206  
A BERTINSEN TOP SECURITY MONUMENT SYSTEM WITH A 3.5-INCH  
DIAMETER ALUMINUM CAP IN A ROAD BOX, LOCATED ON THE  
NORTHWEST CORNER OF FONTAINE BOULEVARD AND POWERS  
BOULEVARD,  
ELEVATION - 5897.89' U.S. SURVEY FT

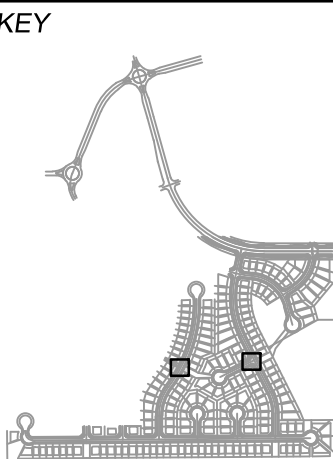
**BASIS OF BEARING**  
BEARINGS ARE BASED ON THE NORTH LINE OF THE NORTHWEST  
QUARTER OF SECTION 9, TOWNSHIP 15 SOUTH, RANGE 65 WEST OF  
THE 6TH P.M. SAID LINE BEARS S89°51'23"E FROM THE NORTHWEST  
CORNER OF SAID SECTION 9 (2 1/2" AULM. CAP PLS 17664) TO THE N 1/4  
CORNER OF SAID SECTION 9 (3 1/2" AULM. CAP PLS 10377)

No.	DATE	DESCRIPTION	BY
COMPUTER FILE MANAGEMENT			
FILE NAME: S:\19.886.011 (Trails at Aspen Ridge - F1)\100 Dwg\104 Plan Sets\Construction Plans\Road & Storm Plans\RD16-21.dwg			
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THIS DRAWING IS CURRENT AS OF PLOT DATE AND MAY BE SUBJECT TO CHANGE.			

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LOCATION: ATTACHED ☒ DETACHED ☐  
DESIGN SPEED: 25 MPH  
CURB TYPE ☒ A ☐ B ☐ C ☐ D ☐ E COMPOSITE SECTION:  
ROW WIDTH 50' FL-FL 32' HMA BASE  
STREET TYPE RESIDENTIAL

PAVEMENT:  
TYPE: HMA ☐ PCC ☐  
THICKNESS:

SHEET KEY



REVIEW:

STREET DESIGN:  
CURB & GUTTER REVIEW \_\_\_\_\_ DATE: \_\_\_\_\_  
FINAL REVIEW \_\_\_\_\_ DATE: \_\_\_\_\_  
DRAINAGE DESIGN:  
BY: \_\_\_\_\_ DATE: \_\_\_\_\_  
TRAFFIC DESIGN:  
BY: \_\_\_\_\_ DATE: \_\_\_\_\_

\*Filed in accordance with Section 7.7.906 (Drainage Ordinance) of the code of the City of Colorado Springs, 2001 as amended.

PREPARED BY:



SEAL

FOR AND ON BEHALF OF  
MATRIX DESIGN GROUP, INC.  
PROJECT No. 19.886.011

**TRAILS AT ASPEN RIDGE**

FILING NO. 1  
ROADWAY & STORMDRAIN IMPROVEMENT PLANS

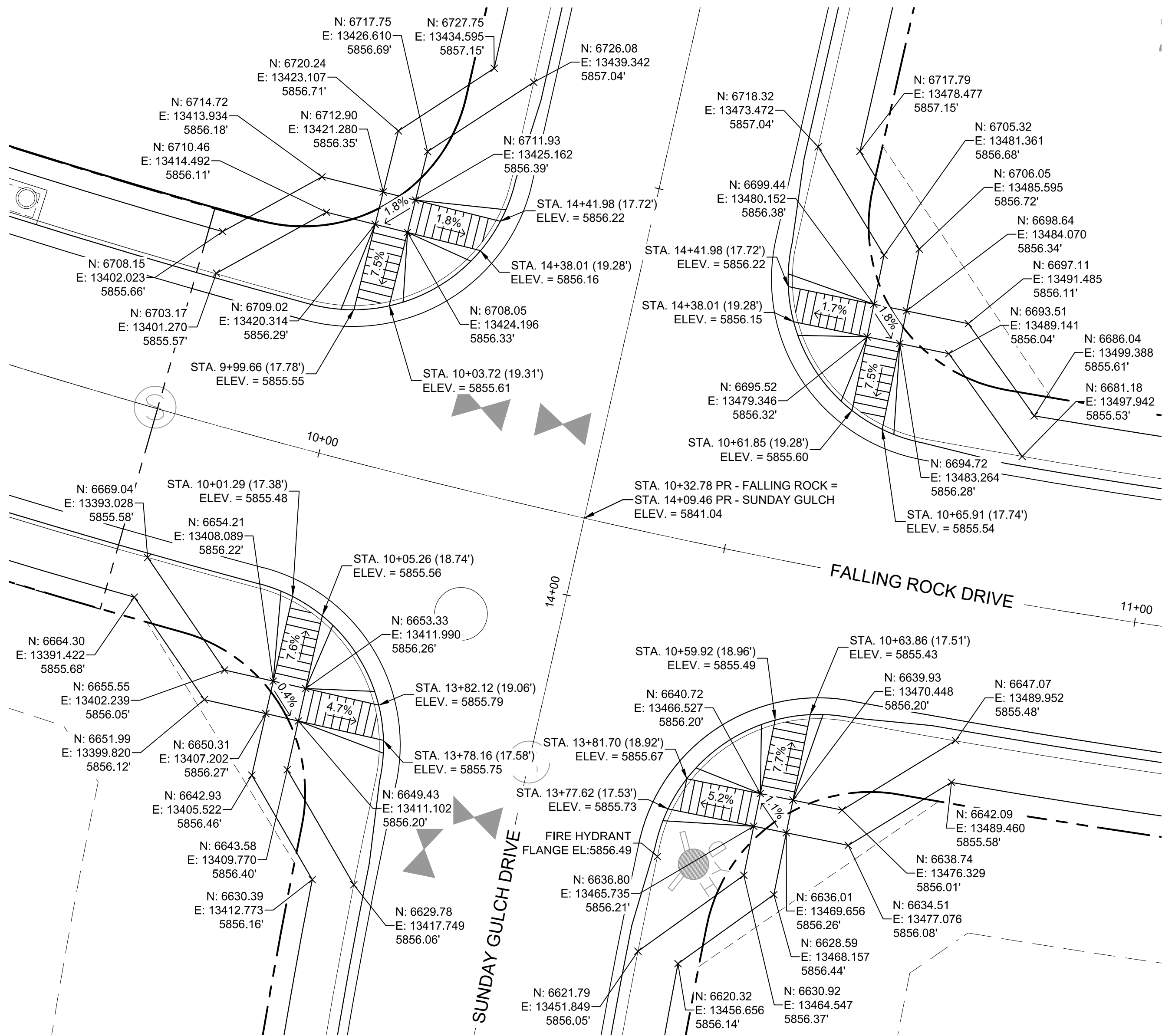
**PED RAMP DETAILS**

DESIGNED BY:	NMS	SCALE	DATE ISSUED:	JULY, 2019	DRAWING No.
DRAWN BY:	TJC	HORIZ.	1"=40'		INT04
CHECKED BY:	NMS	VERT.	1"=8'	SHEET	41 OF 71

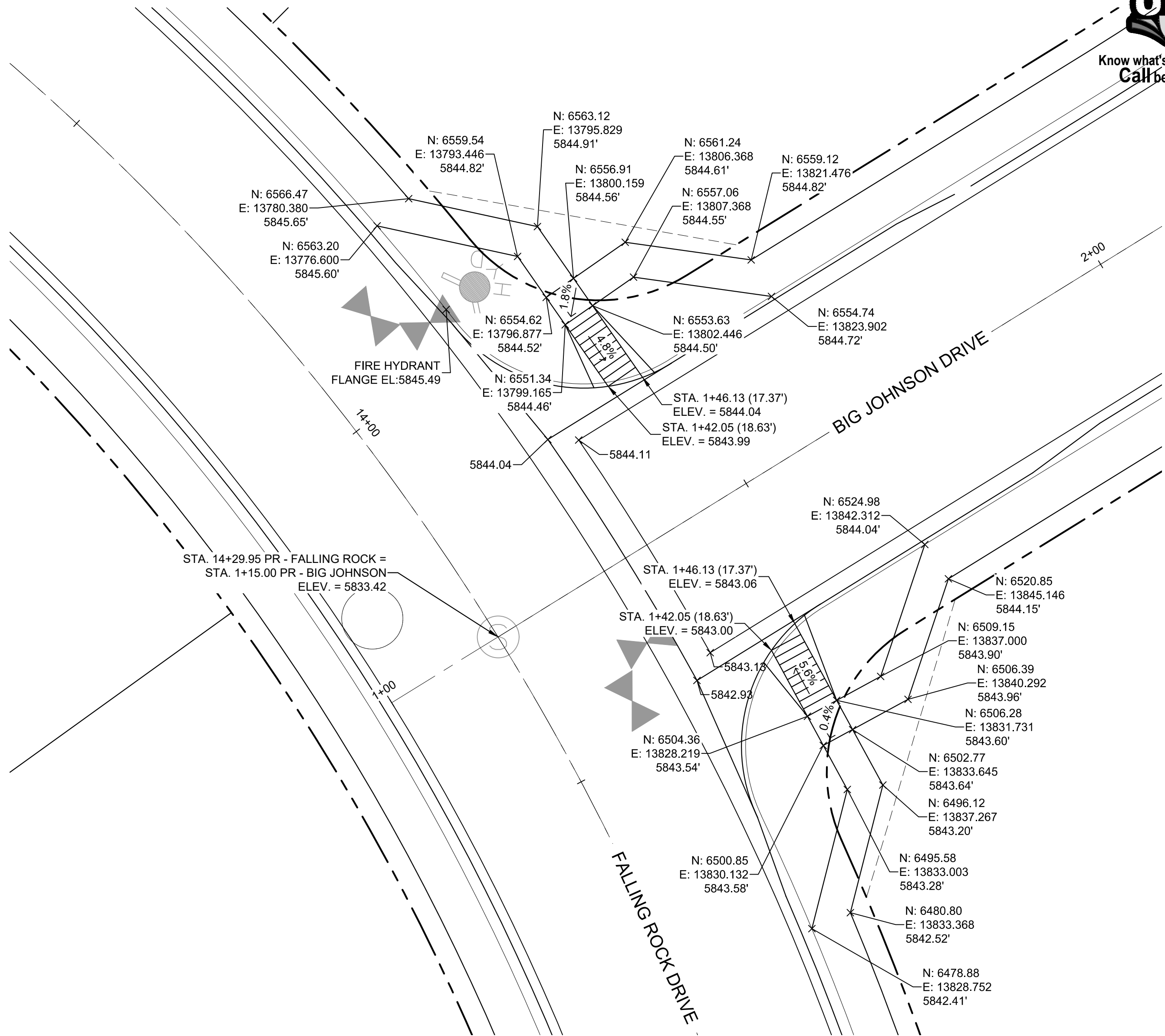




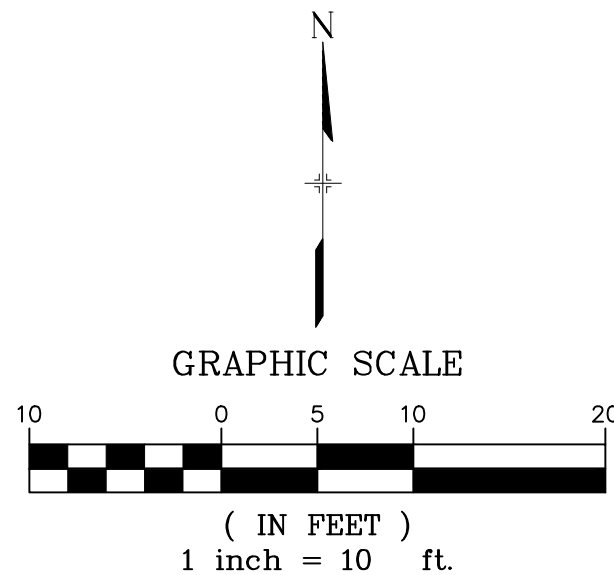
Know what's below.  
Call before you dig.



**DETAIL L**  
**SUNDAY GULCH DRIVE/  
FALLING ROCK DRIVE  
PED RAMP DETAILS**



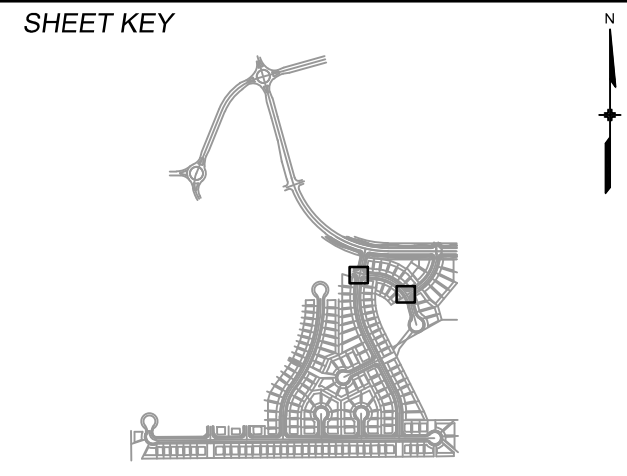
**DETAIL M**  
**FALLING ROCK DRIVE/  
BIG JOHNSON DRIVE  
PED RAMP DETAILS**



**BENCHMARK**  
COLORADO SPRINGS UTILITIES (FIMS) MONUMENT F206  
A BERNTSEN TOP SECURITY MONUMENT SYSTEM WITH A 3.5-INCH  
DIAMETER ALUMINUM CAP IN A ROAD BOX, LOCATED ON THE  
NORTHWEST CORNER OF FONTAINE BOULEVARD AND POWERS  
BOULEVARD,  
ELEVATION - 5897.89' U.S. SURVEY FT  
**BASIS OF BEARING**  
BEARINGS ARE BASED ON THE NORTH LINE OF THE NORTHWEST  
QUARTER OF SECTION 9, TOWNSHIP 15 SOUTH, RANGE 65 WEST OF  
THE 6TH P.M. SAID LINE BEARS S89°51'23"E FROM THE NORTHWEST  
CORNER OF SAID SECTION 9 (2 1/2" AULM. CAP PLS 17664) TO THE N 1/4  
CORNER OF SAID SECTION 9 (3 1/4" AULM. CAP PLS 10377)

No.	DATE	DESCRIPTION	BY
COMPUTER FILE MANAGEMENT			
FILE NAME: S:\19.886.011 (Trails at Aspen Ridge - F1)\100 Dwg\104 Plan Sets\Construction Plans\Road & Storm Plans\RD16-21.dwg			
CTB FILE: ---			
PLOT DATE: July 2, 2019 1:48:36 PM			
THIS DRAWING IS CURRENT AS OF PLOT DATE AND MAY BE SUBJECT TO CHANGE.			

<b>DESIGN DATA:</b>	
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LOCATION: ATTACHED <input checked="" type="checkbox"/> DETACHED <input type="checkbox"/>	THICKNESS: <input type="checkbox"/>
DESIGN SPEED: 25 MPH	
CURB TYPE <input checked="" type="checkbox"/> A <input type="checkbox"/> B <input type="checkbox"/> C <input type="checkbox"/> D <input type="checkbox"/> E	COMPOSITE SECTION: HMA <input type="checkbox"/> BASE <input type="checkbox"/>
ROW WIDTH 50' FL-FL 32'	
STREET TYPE RESIDENTIAL	



<b>REVIEW:</b>	
STREET DESIGN:	
CURB & GUTTER REVIEW	DATE: _____
FINAL REVIEW	DATE: _____
DRAINAGE DESIGN:	
BY: _____	DATE: _____
TRAFFIC DESIGN:	
BY: _____	DATE: _____
*Filed in accordance with Section 7.7.906 (Drainage Ordinance) of the code of the City of Colorado Springs, 2001 as amended.	

PREPARED BY:

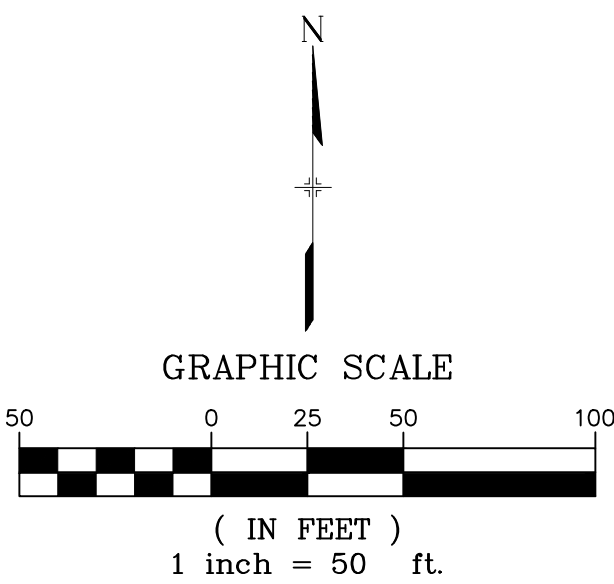
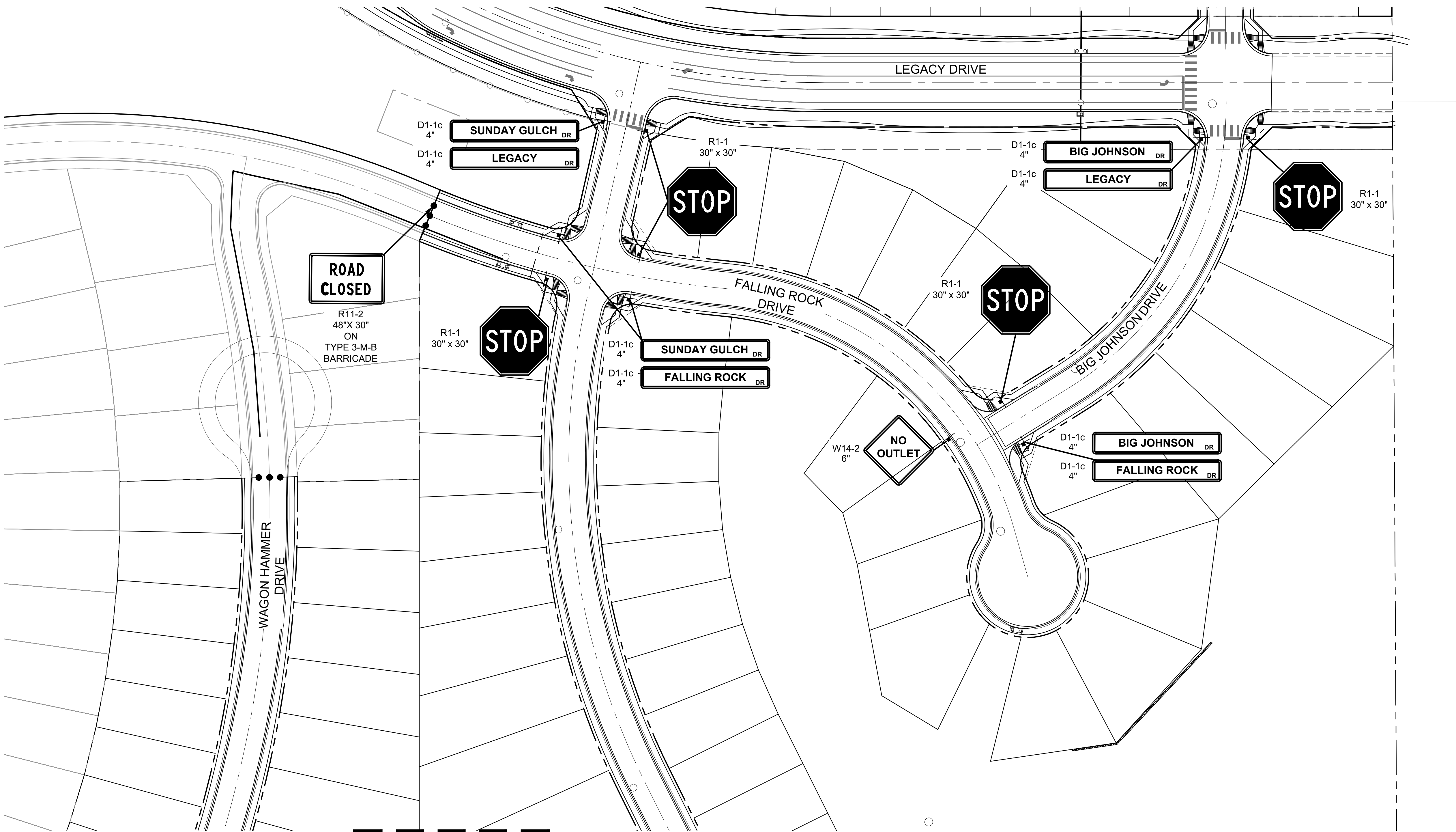
FOR AND ON BEHALF OF MATRIX DESIGN GROUP, INC. PROJECT No. 19.886.011	
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<b>TRAILS AT ASPEN RIDGE</b>			
FILING NO. 1 ROADWAY & STORMDRAIN IMPROVEMENT PLANS			
<b>PED RAMP DETAILS</b>			
DESIGNED BY: NMS	SCALE: 1"=40'	DATE ISSUED: JULY, 2019	DRAWING No. INT05
CHECKED BY: NMS	VERT. 1"=8'	SHEET 42 OF 71	





Know what's below.  
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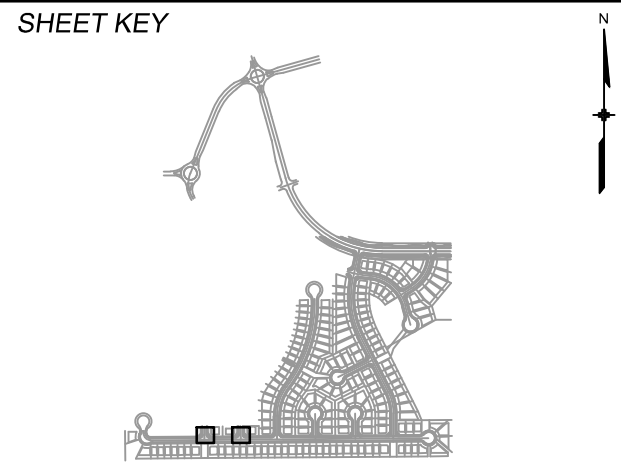


**BENCHMARK**  
COLORADO SPRINGS UTILITIES (FIMS) MONUMENT F206  
A BERNTSEN TOP SECURITY MONUMENT SYSTEM WITH A 3.5-INCH  
DIAMETER ALUMINUM CAP IN A ROAD BOX, LOCATED ON THE  
NORTHWEST CORNER OF FONTAINE BOULEVARD AND POWERS  
BOULEVARD,  
ELEVATION - 5897.89' U.S. SURVEY FT

**BASIS OF BEARING**  
BEARINGS ARE BASED ON THE NORTH LINE OF THE NORTHWEST  
QUARTER OF SECTION 9, TOWNSHIP 15 SOUTH, RANGE 65 WEST OF  
THE 6TH P.M. SAID LINE BEARS S89°51'23"E FROM THE NORTHWEST  
CORNER OF SAID SECTION 9 (2 1/2" AULM. CAP PLS 17664) TO THE N 1/4  
CORNER OF SAID SECTION 9 (3 1/2" AULM. CAP PLS 10377)

No.	DATE	DESCRIPTION	BY
COMPUTER FILE MANAGEMENT			
FILE NAME: S:\19.886.011 (Trails at Aspen Ridge - F1)\100 Dwg\104 Plan Sets\Construction Plans\Road & Storm Plans\SN01.dwg			
CTB FILE: ---			
PLOT DATE: July 2, 2019 2:10:11 PM			
THIS DRAWING IS CURRENT AS OF PLOT DATE AND MAY BE SUBJECT TO CHANGE.			

<b>DESIGN DATA:</b>	
SIDEWALKS: WIDTH 5'	PAVEMENT: TYPE: HMA □ . PCC □
LOCATION: ATTACHED □ DETACHED □	THICKNESS: _____
DESIGN SPEED: 25 MPH	COMPOSITE SECTION: HMA _____ BASE _____
CURB TYPE □A □B □C □D □E	
ROW WIDTH 50' FL-FL 32'	
STREET TYPE RESIDENTIAL	



<b>REVIEW:</b>	
STREET DESIGN:	
CURB & GUTTER REVIEW _____	DATE: _____
FINAL REVIEW _____	DATE: _____
DRAINAGE DESIGN:	
BY: _____	DATE: _____
TRAFFIC DESIGN:	
BY: _____	DATE: _____
*Filed in accordance with Section 7.7.906 (Drainage Ordinance) of the code of the City of Colorado Springs, 2001 as amended.	

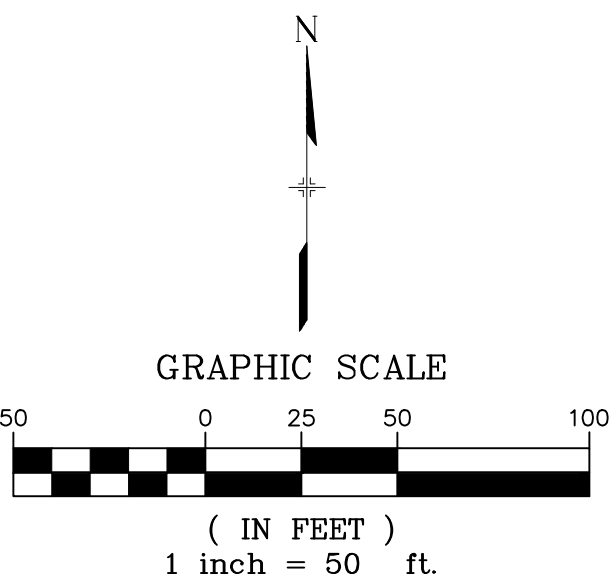
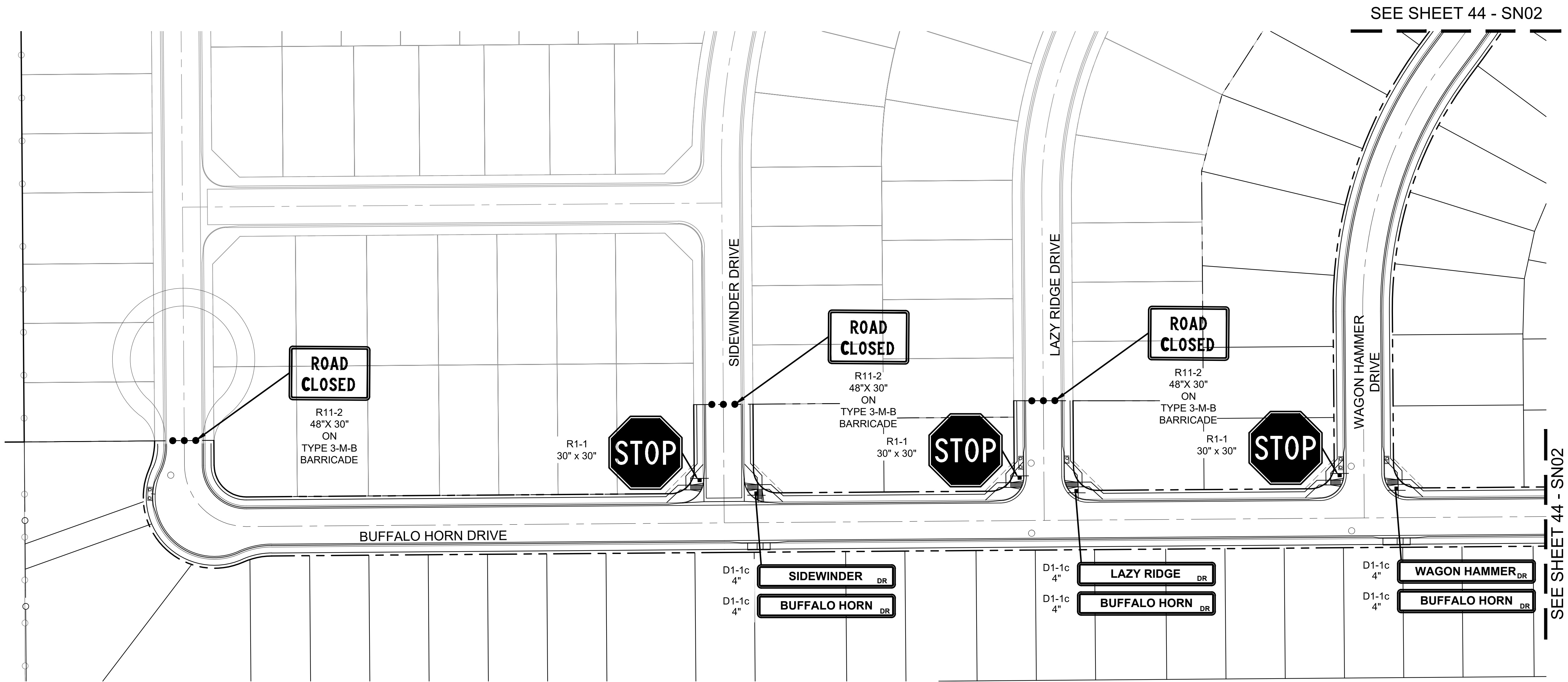
PREPARED BY:

SEAL

FOR AND ON BEHALF OF  
MATRIX DESIGN GROUP, INC.  
PROJECT No. 19.886.011

<b>TRAILS AT ASPEN RIDGE</b>			
FILING NO. 1			
ROADWAY & STORMDRAIN IMPROVEMENT PLANS			
<b>PED RAMP DETAILS</b>			
DESIGNED BY: NMS	SCALE	DATE ISSUED: JULY, 2019	DRAWING No.
DRAWN BY: TJC	HORIZ. 1"=40'		
CHECKED BY: NMS	VERT. 1"=8'	SHEET 45 OF 71	SN03



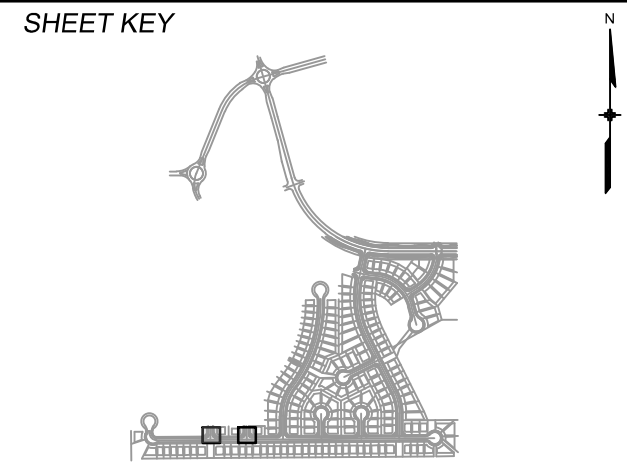


**BENCHMARK**  
COLORADO SPRINGS UTILITIES (FIMS) MONUMENT F206  
A BERNTSEN TOP SECURITY MONUMENT SYSTEM WITH A 3.5-INCH  
DIAMETER ALUMINUM CAP IN A ROAD BOX, LOCATED ON THE  
NORTHWEST CORNER OF FONTAINE BOULEVARD AND POWERS  
BOULEVARD,  
ELEVATION - 5897.89' U.S. SURVEY FT

**BASIS OF BEARING**  
BEARINGS ARE BASED ON THE NORTH LINE OF THE NORTHWEST  
QUARTER OF SECTION 9, TOWNSHIP 15 SOUTH, RANGE 65 WEST OF  
THE 6TH P.M. SAID LINE BEARS S89°51'23"E FROM THE NORTHWEST  
CORNER OF SAID SECTION 9 (2 1/2" AULM. CAP PLS 17664) TO THE N 1/4  
CORNER OF SAID SECTION 9 (3 1/2" AULM. CAP PLS 10377)

No.	DATE	DESCRIPTION	BY
COMPUTER FILE MANAGEMENT			
FILE NAME: S:\19.886.011 (Trails at Aspen Ridge - F1)\100 Dwg\104 Plan Sets\Construction Plans\Road & Storm Plans\SN01.dwg			
CTB FILE: ---			
PLOT DATE: July 2, 2019 2:09:31 PM			
THIS DRAWING IS CURRENT AS OF PLOT DATE AND MAY BE SUBJECT TO CHANGE.			

<b>DESIGN DATA:</b>	
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LOCATION: ATTACHED □ DETACHED □	THICKNESS: _____
DESIGN SPEED: 25 MPH	COMPOSITE SECTION: HMA _____ BASE _____
CURB TYPE □A □B □C □D □E	
ROW WIDTH 50' FL-FL 32'	
STREET TYPE RESIDENTIAL	



REVIEW:	
STREET DESIGN:	
CURB & GUTTER REVIEW _____	DATE: _____
FINAL REVIEW _____	DATE: _____
DRAINAGE DESIGN:	
BY: _____	DATE: _____
TRAFFIC DESIGN:	
BY: _____	DATE: _____
<i>*Filed in accordance with Section 7.7.906 (Drainage Ordinance) of the code of the City of Colorado Springs, 2001 as amended.</i>	

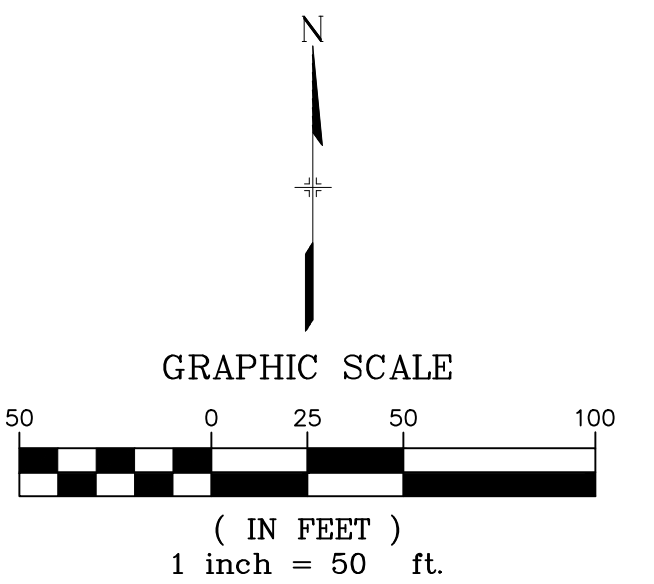
PREPARED BY:

SEAL
FOR AND ON BEHALF OF MATRIX DESIGN GROUP, INC. PROJECT No. 19.886.011

<b>TRAILS AT ASPEN RIDGE</b>			
FILING NO. 1 ROADWAY & STORMDRAIN IMPROVEMENT PLANS			
<b>PED RAMP DETAILS</b>			
DESIGNED BY: NMS	SCALE: HORIZ. 1"=40'	DATE ISSUED: JULY, 2019	DRAWING No. SN01
CHECKED BY: NMS	VERT. 1"=8'	SHEET 43 OF 71	



Know what's **below**.  
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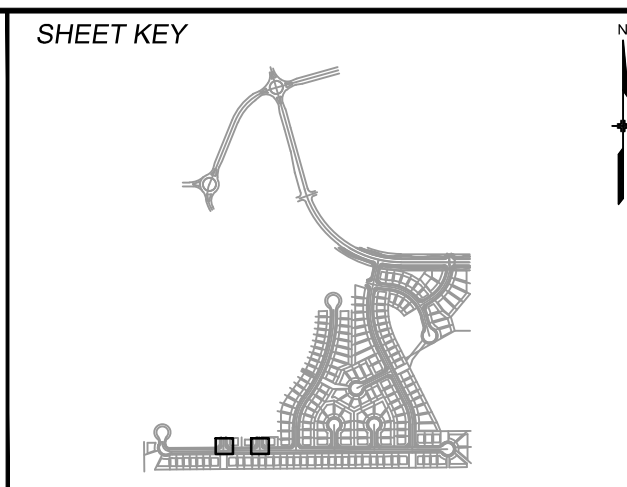


**BENCHMARK**  
 COLORADO SPRINGS UTILITIES (FIMS) MONUMENT F206  
 A BERTENSTON TOP SECURITY MONUMENT SYSTEM WITH A 3.5-INCH  
 DIAMETER ALUMINUM CAP IN A ROAD BOX, LOCATED ON THE  
 NORTHWEST CORNER OF FONTAINE BOULEVARD AND POWERS  
 BOULEVARD.  
 ELEVATION - 5897.89' U.S. SURVEY FT

**BASIS OF BEARING**  
 BEARINGS ARE BASED ON THE NORTH LINE OF THE NORTHWEST  
 1/4 QUARTER OF SECTION 9, TOWNSHIP 15 SOUTH, RANGE 65 WEST  
 OF THE 6TH P.M. SAID LINE BEARS S89°51'23"E FROM THE NORTHWEST  
 CORNER OF SAID SECTION 9 (2 1/2" AULM. CAP PLS 17664) TO THE N 1/4  
 CORNER OF SAID SECTION 9 (2 1/2" AULM. CAP PLS 10377)

No.	DATE	DESCRIPTION	BY
REVISIONS			
<b>COMPUTER FILE MANAGEMENT</b>			
FILE NAME: S:\19.866\011 (Trails at Aspen Ridge - F1)\100 Dwg\104 Plan Sets\Construction Plans\Road & Storm Plans\SNO1.dwg			
CTB FILE: ----			
PLOT DATE: July 2, 2019 2:09:52 PM			
THIS DRAWING IS CURRENT AS OF PLOT DATE AND MAY BE SUBJECT TO CHANGE.			

<b>DESIGN DATA:</b>	
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LOCATION: ATTACHED <input checked="" type="checkbox"/>	TYPE: HMA <input type="checkbox"/> PCC <input type="checkbox"/>
DETACHED <input type="checkbox"/>	THICKNESS: <u>          </u>
DESIGN SPEED: <u>25</u> MPH	
CURB TYPE <input checked="" type="checkbox"/> A <input type="checkbox"/> B <input type="checkbox"/> C <input type="checkbox"/> D <input type="checkbox"/> E	COMPOSITE SECTION:
ROW WIDTH <u>50'</u> FL-FL <u>32'</u>	HMA <u>      </u> BASE <u>      </u>
STREET TYPE <u>RESIDENTIAL</u>	



REVIEW:

STREET DESIGN:

CURB & GUTTER REVIEW \_\_\_\_\_ DATE: \_\_\_\_\_

FINAL REVIEW \_\_\_\_\_ DATE: \_\_\_\_\_

DRAINAGE DESIGN:

BY: \_\_\_\_\_ DATE: \_\_\_\_\_

TRAFFIC DESIGN:

BY: \_\_\_\_\_ DATE: \_\_\_\_\_

*"Filed in accordance with Section 7.7.906 (Drainage Ordinance) of the code of the City of Colorado Springs, 2001 as amended.*

PREPARED BY:

**Matrix**  
DESIGN GROUP

The logo for Matrix Design Group features the word "Matrix" in a large, bold, blue sans-serif font, with "DESIGN GROUP" in a smaller, blue, all-caps sans-serif font below it. To the right of the text is a stylized graphic of three interlocking cubes in a light tan color, with blue outlines and faces.

SEAL

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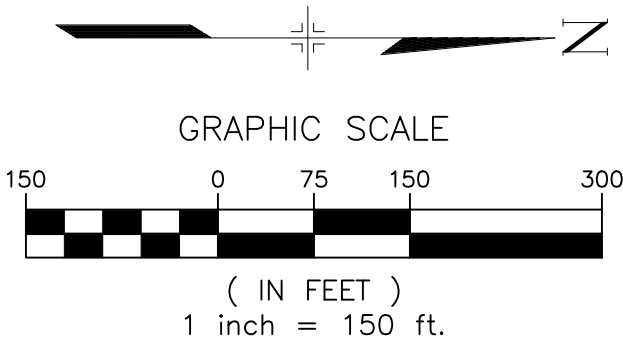
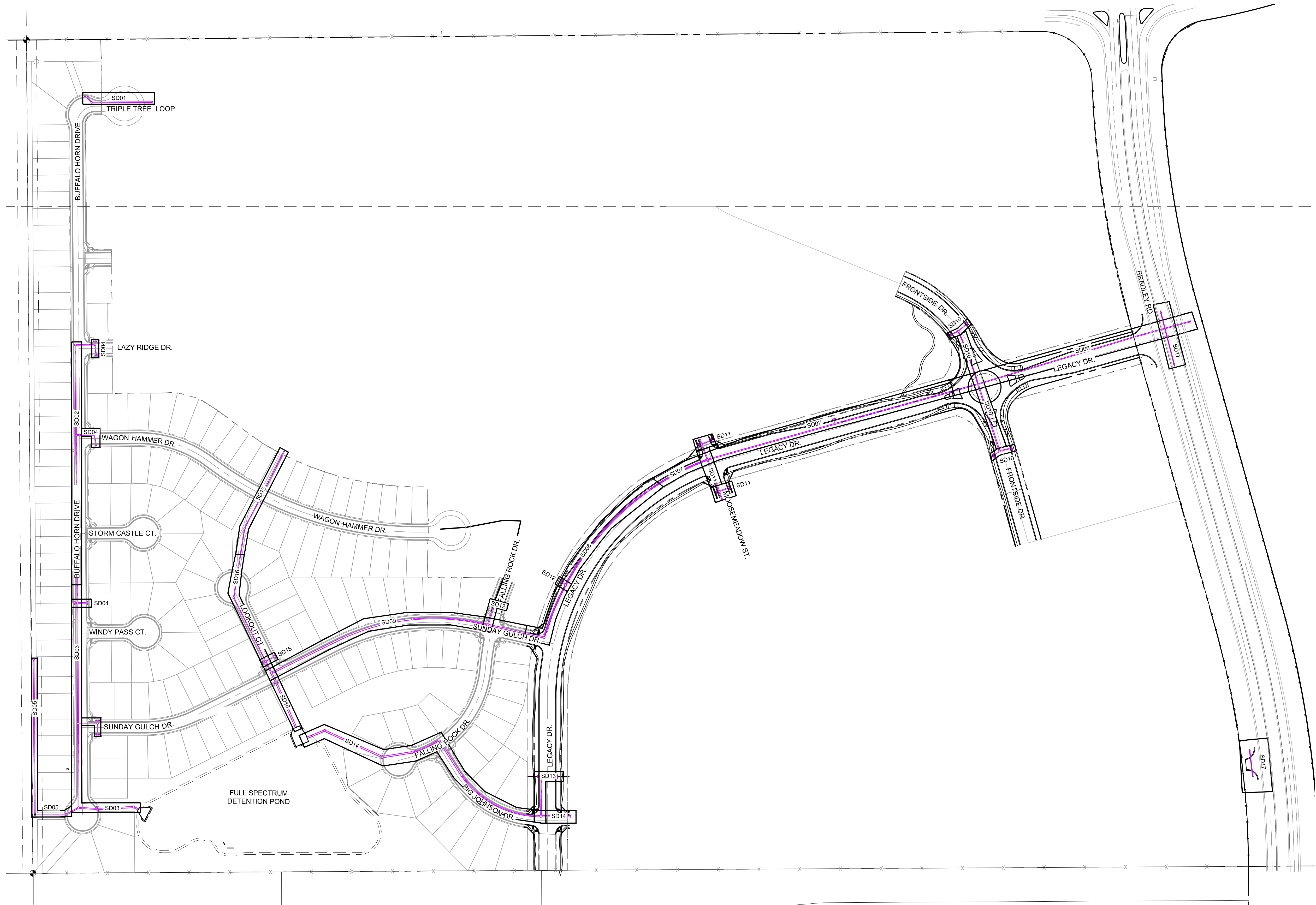
FOR AND ON BEHALF OF  
MATRIX DESIGN GROUP, INC.  
PROJECT No. 19.886.011

<i>TRAILS AT ASPEN RIDGE</i>			
FILING NO. 1 ROADWAY & STORMDRAIN IMPROVEMENT PLANS			
PED RAMP DETAILS			
DESIGNED BY:	NMS	SCALE	DATE ISSUED: JULY, 2019 44 OF 71 DRAWING No. <b>SN02</b>
DRAWN BY:	TJC	HORIZ 1"=40'	
CHECKED BY:	NMS	VERT. 1"=8'	





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REFERENCE DRAWINGS			
No.	DATE	DESCRIPTION	BY
COMPUTER FILE MANAGEMENT			
FILE NAME: S:\19.886.011 (Trails at Aspen Ridge - F1)\100 Dwg\104 Plan Sets\Construction Plans\Road & Storm Plans\SD00.dwg			
CTB FILE: ----			
PLOT DATE: July 2, 2019 12:20:44 PM			
THIS DRAWING IS CURRENT AS OF PLOT DATE AND MAY BE SUBJECT TO CHANGE.			

**BENCHMARK**  
COLORADO SPRINGS UTILITIES (FIMS) MONUMENT F206  
A BERNTSEN TOP SECURITY MONUMENT SYSTEM WITH A 3.5-INCH DIAMETER ALUMINUM CAP IN A ROAD BOX, LOCATED ON THE NORTHWEST CORNER OF FONTAINE BOULEVARD AND POWERS BOULEVARD.  
ELEVATION - 5897.89' U.S. SURVEY FT

**BASIS OF BEARING**  
BEARINGS ARE BASED ON THE NORTH LINE OF THE NORTHWEST QUARTER OF SECTION 9, TOWNSHIP 15 SOUTH, RANGE 65 WEST OF THE 6TH P.M. SAID LINE BEARS S89°51'23"E FROM THE NORTHWEST CORNER OF SAID SECTION 9 (2 1/2" AULM. CAP PLS 17664) TO THE N 1/4 CORNER OF SAID SECTION 9 (3 1/4" AULM. CAP PLS 10377)



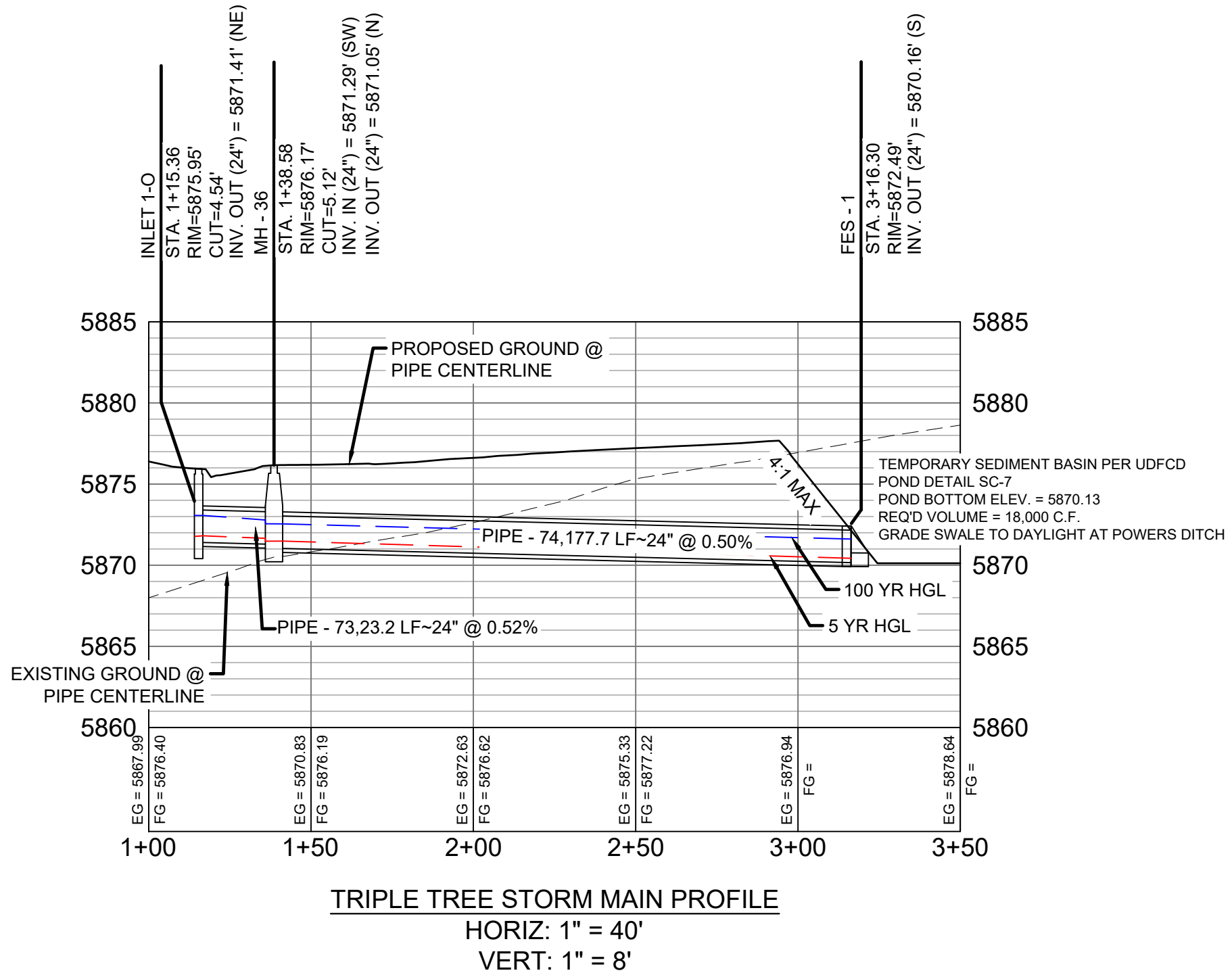
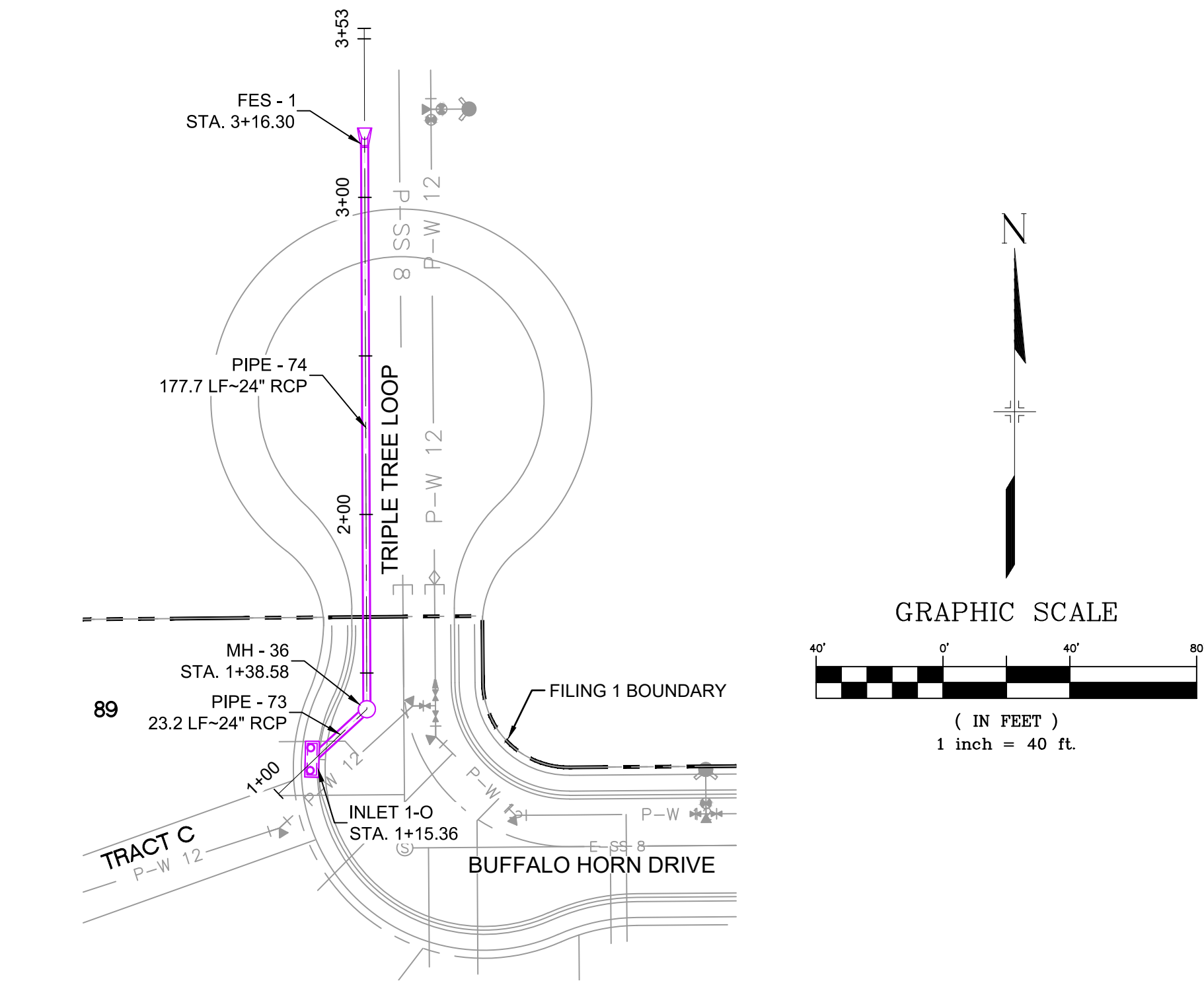
SEAL

**PRELIMINARY**  
THIS DRAWING HAS NOT BEEN APPROVED BY GOVERNING AGENCIES AND IS SUBJECT TO CHANGE

FOR AND ON BEHALF OF  
MATRIX DESIGN GROUP, INC.  
PROJECT No. 19.886.011

TRAILS AT ASPEN RIDGE				
FILING NO. 1 ROADWAY & STORM IMPROVEMENT PLANS				
STORM SHEET KEY				
DESIGNED BY: KMZ	SCALE	DATE ISSUED:	JULY, 2019	DRAWING No.
DRAWN BY: LCB	HORIZ 1" = 150'			SDX1
CHECKED BY: NMS	VERT. N.A.	SHEET	46 OF 71	





PIPE TABLE				
PIPE NAME	BEARING	LENGTH	SLOPE	SIZE
PIPE - 73	N47°25'33"E	23.2'	0.52%	24" RCP
PIPE - 74	N00°13'35"W	177.7'	0.50%	24" RCP

STRUCTURE TABLE			
NAME	TYPE	DETAILS	N & E
FES - 1	24" FES	RIM = 5872.49 PIPE - 74 INV IN (24") = 5870.16	N: 5654.37 E: 11865.23
INLET 1-O	10' SUMP TYPE R INLET	RIM = 5875.95 PIPE - 73 INV OUT (24") = 5871.41	N: 5460.93 E: 11848.83
MH - 36	4' TYPE II MH	RIM = 5876.17 PIPE - 73 INV IN (24") = 5871.29 PIPE - 74 INV OUT (24") = 5871.05	N: 5476.64 E: 11865.94

- NOTES:
- ALL STATION, OFFSET, AND NORTHING/EASTING VALUES ARE TO THE CENTER OF ALL STRUCTURES UNLESS OTHERWISE NOTED.
  - PIPE LENGTHS ARE MEASURED FROM CENTER TO CENTER OF ALL STRUCTURES.
  - ALL PIPE BENDS ANGLES ARE MEASURED FROM THE CENTER OF PIPE. CONTRACTOR TO FIELD VERIFY HORIZONTAL AND VERTICAL LOCATION OF EXISTING STRUCTURES.
  - TOP OF BOX ELEVATIONS GIVEN FOR CDOT TYPE R INLETS REFER TO THE COUNTY STANDARD DETAIL FOR CORRESPONDING DESIGN ELEVATIONS.
  - ALL RCP PIPE SHALL BE CLASS III UNLESS OTHERWISE NOTED.
  - PIPES OF DIFFERENT SIZES ARE TO BE MATCHED TO THE CROWN OF THE INSIDE WALL OF PIPE.
  - ALL TYPE C INLETS ARE TO COLORADO DEPARTMENT OF TRANSPORTATION STANDARD TYPE M-604-10.
  - PER THE EL PASO COUNTY ENGINEERING CRITERIA MANUAL, MANHOLES SHALL BE INSTALLED 1/8" BELOW THE SURFACE OF THE PAVEMENT ON THE LOWEST SIDE OF THE MANHOLE."

REFERENCE DRAWINGS

No.

DATE

DESCRIPTION

BY

COMPUTER FILE MANAGEMENT

FILE NAME: S:\19.886.011 (Trails at Aspen Ridge - F1)\100 Dwg\104 Plan Sets\Construction Plans\Road & Storm Plans\SD01-05.dwg

CTB FILE: ----

PLOT DATE: July 2, 2019 12:23:03 PM

THIS DRAWING IS CURRENT AS OF PLOT DATE AND MAY BE SUBJECT TO CHANGE.

SHEET KEY

BENCHMARK

COLORADO SPRINGS UTILITIES (FIMS) MONUMENT F206  
A BERNTSEN TOP SECURITY MONUMENT SYSTEM WITH A 3.5-INCH DIAMETER ALUMINUM CAP IN A ROAD BOX, LOCATED ON THE NORTHWEST CORNER OF FONTAINE BOULEVARD AND POWERS BOULEVARD.  
ELEVATION - 5897.89' U.S. SURVEY FT

BASIS OF BEARING

BEARINGS ARE BASED ON THE NORTH LINE OF THE NORTHWEST QUARTER OF SECTION 9, TOWNSHIP 15 SOUTH, RANGE 65 WEST OF THE 6TH P.M. SAID LINE BEARS S89°51'23"E FROM THE NORTHWEST CORNER OF SAID SECTION 9 (2 1/2" AULM. CAP PLS 17664) TO THE N 1/4 CORNER OF SAID SECTION 9 (3 1/4" AULM. CAP PLS 10377)

PREPARED BY:

SEAL

PRELIMINARY

THIS DRAWING HAS NOT BEEN APPROVED BY GOVERNING AGENCIES AND IS SUBJECT TO CHANGE

FOR AND ON BEHALF OF

MATRIX DESIGN GROUP, INC.

PROJECT No. 19.886.011

DESIGNED BY: KMZ

DRAWN BY: LCB

CHECKED BY: NMS

SCALE

HORIZ 1" = 40'

VERT. 1" = 8'

DATE ISSUED: JULY, 2019

SHEET 47 OF 71

DRAWING No. SD01

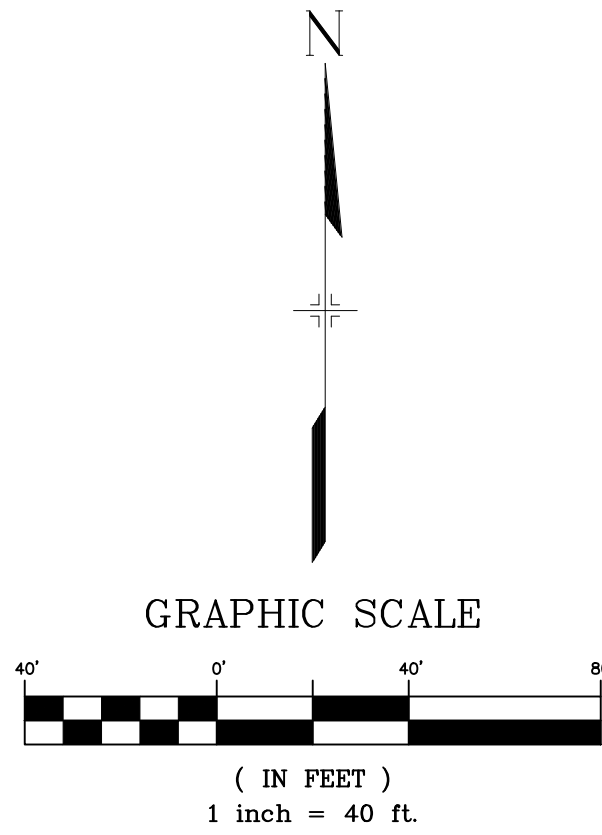
TRAILS AT ASPEN RIDGE

FILING NO. 1

ROADWAY & STORM IMPROVEMENT PLANS

STORM DRAIN PLAN & PROFILE



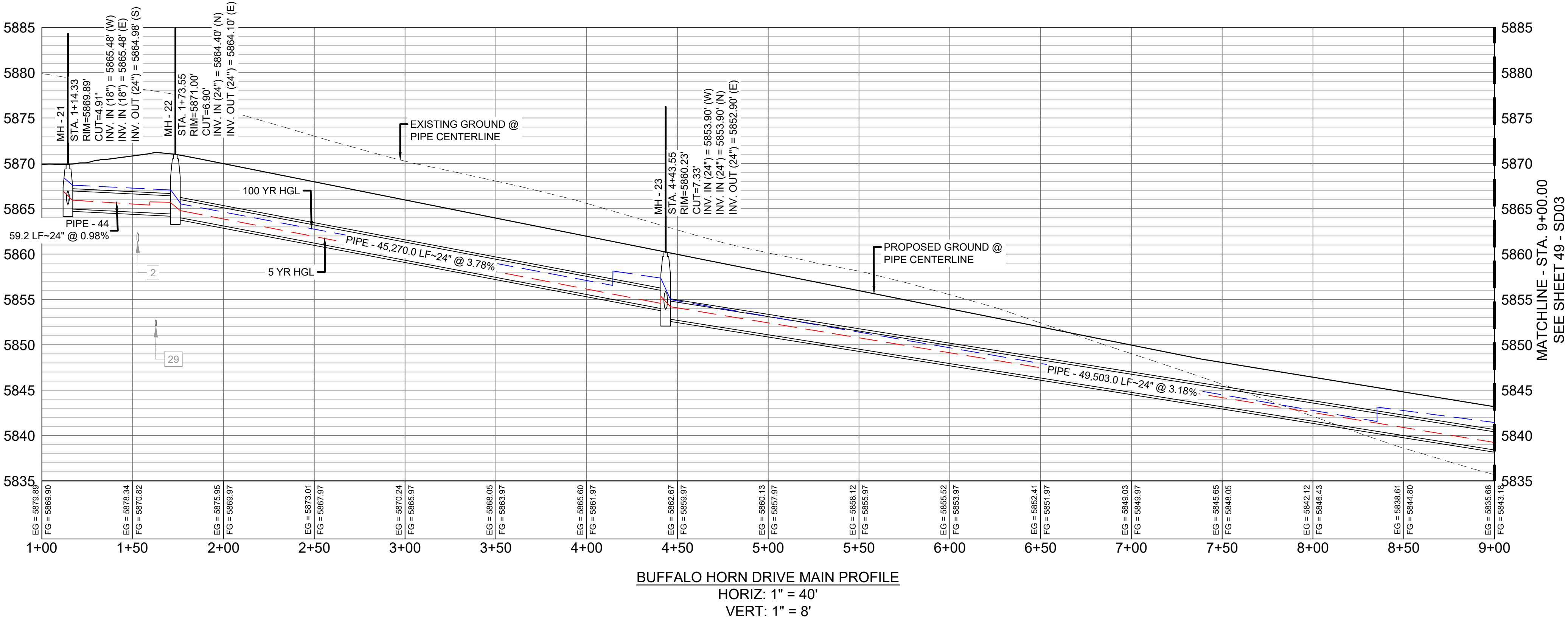
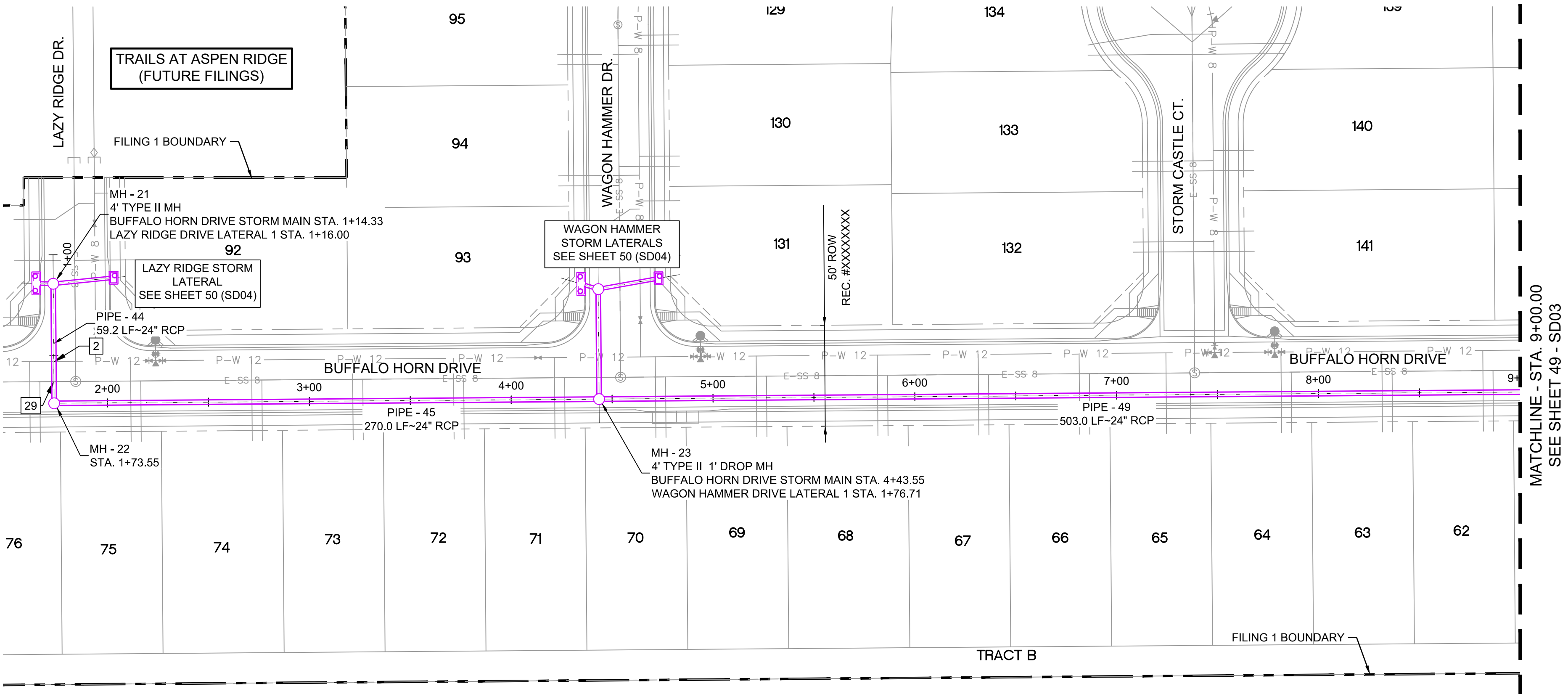


UTILITY CROSSING DETAILS				
CROSSING #	N & E	TOP OF PIPE	BTM OF PIPE	SEPARATION
2	N 5,448.39 E 12,592.08	12" PVC WATER 5862.36	24" RCP STORM 5864.36	2.00'
29	N 5,438.39 E 12,592.15	8" PVC SAN 5852.77	24" RCP STORM 5864.27	11.50'

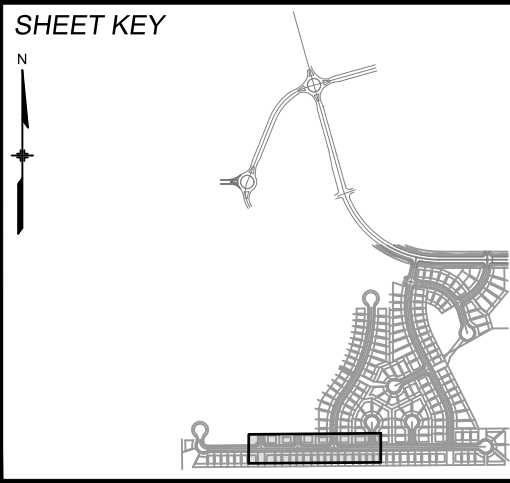
PIPE TABLE				
PIPE NAME	BEARING	LENGTH	SLOPE	SIZE
PIPE - 44	S00°26'25"E	59.2'	0.98%	24" RCP
PIPE - 45	N89°33'35"E	270.0'	3.78%	24" RCP
PIPE - 49	N89°33'35"E	503.0'	3.18%	24" RCP

STRUCTURE TABLE			
NAME	TYPE	DETAILS	N & E
MH - 21	4' TYPE II MH	RIM = 5869.89 PIPE - 42 INV IN (18") = 5865.48 PIPE - 43 INV IN (18") = 5865.48 PIPE - 44 INV OUT (24") = 5864.98	N: 5486.86 E: 12591.78
MH - 22	4' TYPE II MH	RIM = 5871.00 PIPE - 44 INV IN (24") = 5864.40 PIPE - 45 INV OUT (24") = 5864.10	N: 5427.64 E: 12592.24
MH - 23	4' TYPE II 1' DROP MH	RIM = 5860.23 PIPE - 45 INV IN (24") = 5853.90 PIPE - 46 INV IN (24") = 5853.90 PIPE - 49 INV OUT (24") = 5852.90	N: 5429.71 E: 12862.23

- NOTES:
- ALL STATION, OFFSET, AND NORTHING/EASTING VALUES ARE TO THE CENTER OF ALL STRUCTURES UNLESS OTHERWISE NOTED.
  - PIPE LENGTHS ARE MEASURED FROM CENTER TO CENTER OF ALL STRUCTURES.
  - ALL PIPE BENDS ANGLES ARE MEASURED FROM THE CENTER OF PIPE. CONTRACTOR TO FIELD VERIFY HORIZONTAL AND VERTICAL LOCATION OF EXISTING STRUCTURES.
  - TOP OF BOX ELEVATIONS GIVEN FOR CDOT TYPE R INLETS REFER TO THE COUNTY STANDARD DETAIL FOR CORRESPONDING DESIGN ELEVATIONS.
  - ALL RCP PIPE SHALL BE CLASS II UNLESS OTHERWISE NOTED.
  - PIPES OF DIFFERENT SIZES ARE TO BE MATCHED TO THE CROWN OF THE INSIDE WALL OF PIPE.
  - ALL TYPE C INLETS ARE TO COLORADO DEPARTMENT OF TRANSPORTATION STANDARD TYPE M-604-10.
  - PER THE EL PASO COUNTY ENGINEERING CRITERIA MANUAL, MANHOLES SHALL BE INSTALLED 1/8" BELOW THE SURFACE OF THE PAVEMENT ON THE LOWEST SIDE OF THE MANHOLE."



REFERENCE DRAWINGS			
No.	DATE	DESCRIPTION	BY
COMPUTER FILE MANAGEMENT			
FILE NAME: S:\19.886.011 (Trails at Aspen Ridge - F1)\100 Dwg\104 Plan Sets\Construction Plans\Road & Storm Plans\SD01-05.dwg			
CTB FILE: ---			
PLOT DATE: July 2, 2019 12:23:21 PM			
THIS DRAWING IS CURRENT AS OF PLOT DATE AND MAY BE SUBJECT TO CHANGE.			



**BENCHMARK**  
COLORADO SPRINGS UTILITIES (FIMS) MONUMENT F206  
A BERNTSEN TOP SECURITY MONUMENT SYSTEM WITH A 3.5-INCH DIAMETER ALUMINUM CAP IN A ROAD BOX, LOCATED ON THE NORTHWEST CORNER OF FONTAINE BOULEVARD AND POWERS BOULEVARD.  
ELEVATION - 5897.89' U.S. SURVEY FT

**BASIS OF BEARING**  
BEARINGS ARE BASED ON THE NORTH LINE OF THE NORTHWEST QUARTER OF SECTION 9, TOWNSHIP 15 SOUTH, RANGE 65 WEST OF THE 6TH P.M. SAID LINE BEARS S89°51'23"E FROM THE NORTHWEST CORNER OF SAID SECTION 9 (2 1/2' AULM. CAP PLS 17664) TO THE N 1/4 CORNER OF SAID SECTION 9 (3 1/4' AULM. CAP PLS 10377)



**SEAL**

**PRELIMINARY**  
THIS DRAWING HAS NOT BEEN APPROVED BY GOVERNING AGENCIES AND IS SUBJECT TO CHANGE

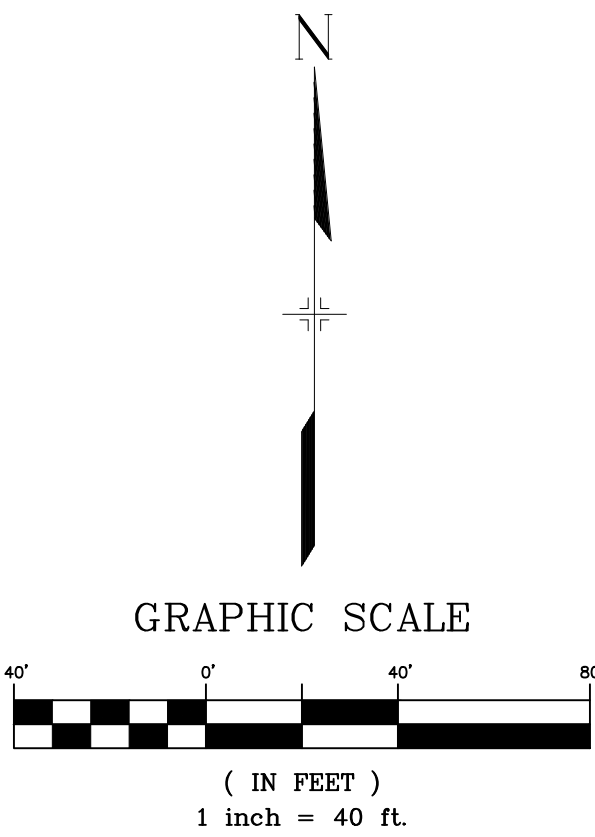
FOR AND ON BEHALF OF  
MATRIX DESIGN GROUP, INC.  
PROJECT No. 19.886.011

TRAILS AT ASPEN RIDGE			
FILING NO. 1 ROADWAY & STORM IMPROVEMENT PLANS			
STORM DRAIN PLAN & PROFILE			
DESIGNED BY: KMZ	SCALE	DATE ISSUED: JULY, 2019	DRAWING No. SD02
DRAWN BY: LCB	HORIZ 1" = 40'		
CHECKED BY: NMS	VERT. 1" = 8'	SHEET 48 OF 71	





Know what's below.  
Call before you dig.

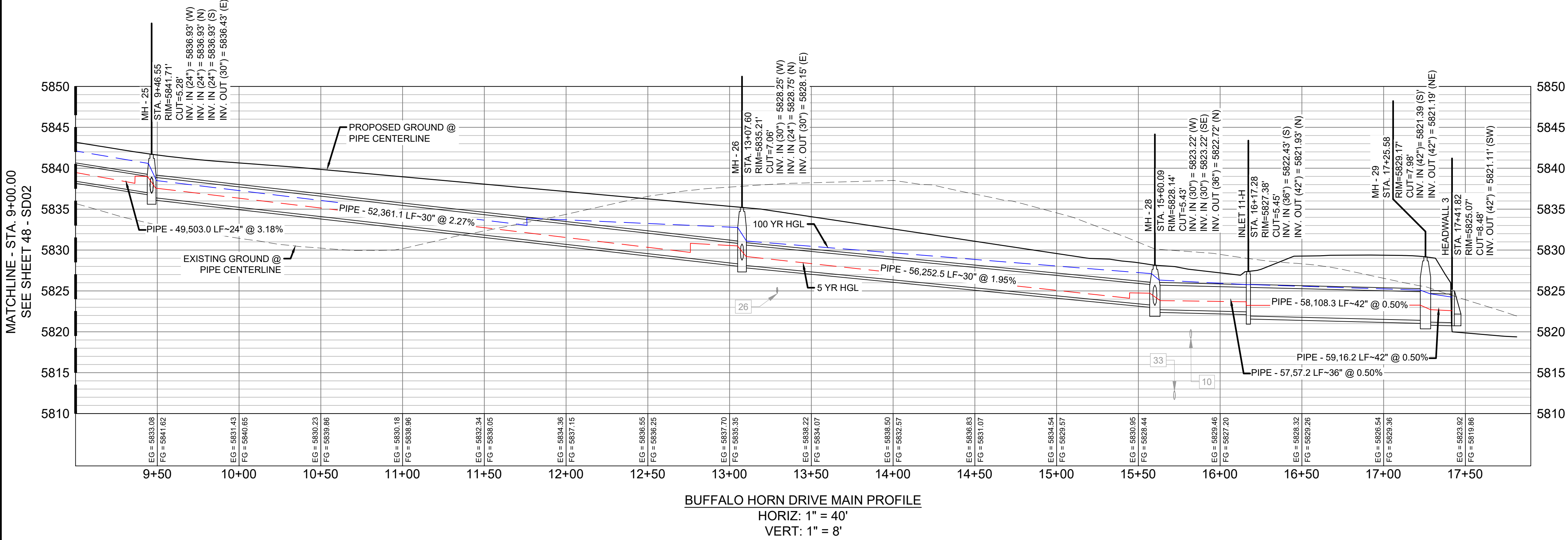
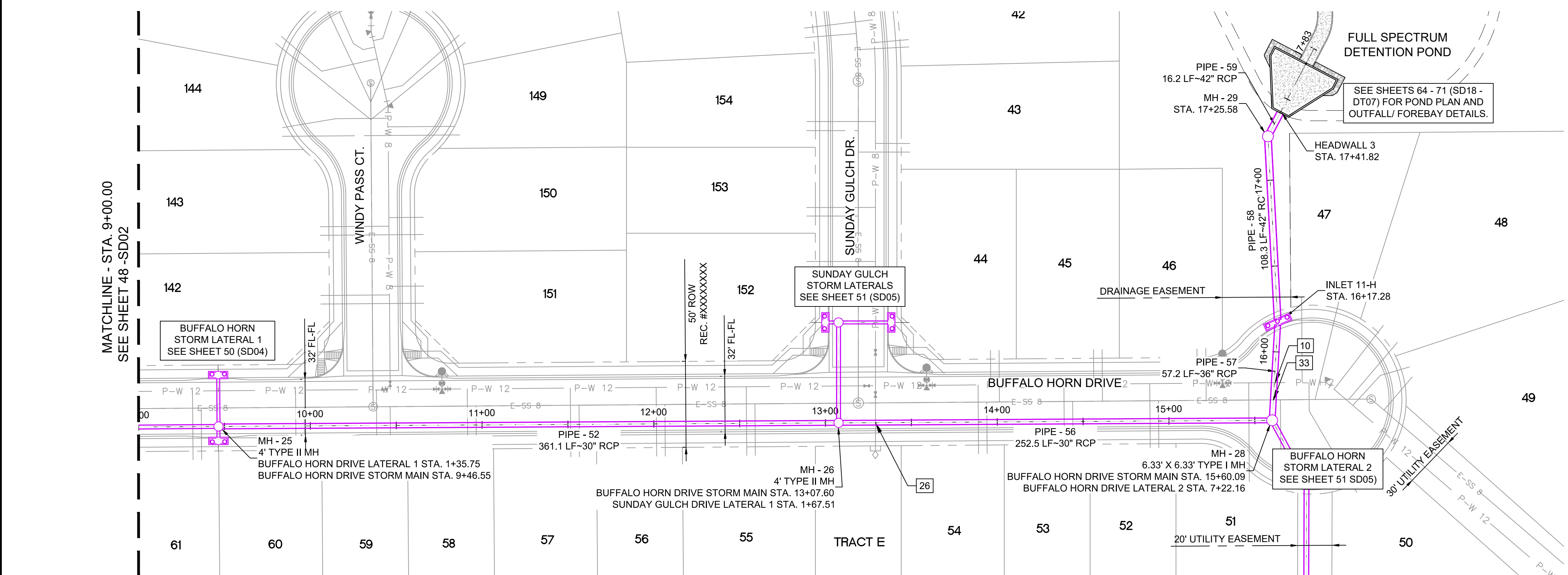


UTILITY CROSSING DETAILS				
CROSSING #	N & E	TOP OF PIPE	BTM OF PIPE	SEPARATION
10	N 5,459.05 E 13,980.01	12" PVC WATER 5820.28	36" RCP STORM 5822.28	2.00'
26	N 5,435.79 E 13,747.75	8" PVC WATER 5825.45	30" RCP STORM 5827.45	2.00'
33	N 5,449.06 E 13,979.41	8" PVC SAN 5812.75	36" RCP STORM 5821.31	8.56'

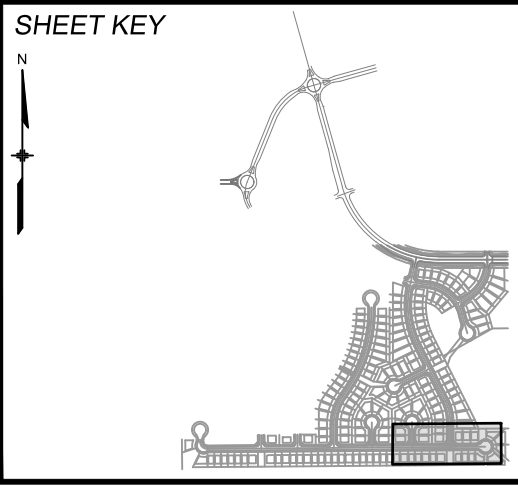
PIPE TABLE				
PIPE NAME	BEARING	LENGTH	SLOPE	SIZE
PIPE - 49	N89°33'35"E	503.0'	3.18%	24" RCP
PIPE - 52	N89°40'08"E	361.1'	2.27%	30" RCP
PIPE - 57	N03°16'52"E	57.2'	0.50%	36" RCP
PIPE - 58	N03°02'37"W	108.3'	0.50%	42" RCP
PIPE - 59	N27°39'23"E	16.2'	0.50%	42" RCP
PIPE - 56	N89°40'08"E	252.5'	1.95%	30" RCP

STRUCTURE TABLE			
NAME	TYPE	DETAILS	N & E
INLET 11-H	10' SUMP TYPE R INLET	RIM = 5827.38 PIPE - 57 INV IN (36") = 5822.43 PIPE - 58 INV OUT (42") = 5821.93	N: 5494.22 E: 13982.02
MH - 25	4' TYPE II MH	RIM = 5841.71 PIPE - 49 INV IN (24") = 5836.93 PIPE - 50 INV IN (24") = 5836.93 PIPE - 51 INV IN (24") = 5836.93 PIPE - 52 INV OUT (30") = 5836.43	N: 5433.58 E: 13365.21
MH - 26	4' TYPE II MH	RIM = 5835.21 PIPE - 52 INV IN (30") = 5828.25 PIPE - 53 INV IN (24") = 5828.75 PIPE - 56 INV OUT (30") = 5828.15	N: 5435.67 E: 13726.25
MH - 28	6.33' X 6.33' TYPE I MH	RIM = 5828.14 PIPE - 56 INV IN (30") = 5823.22 PIPE - 60 INV IN (30") = 5823.22 PIPE - 57 INV OUT (36") = 5822.72	N: 5437.13 E: 13978.74
MH - 29	6.33' X 6.33' TYPE I MH	RIM = 5829.17 PIPE - 58 INV IN (42") = 5821.39 PIPE - 59 INV OUT (42") = 5821.19	N: 5602.37 E: 13976.27

- NOTES:
1. ALL STATION, OFFSET, AND NORTHING/EASTING VALUES ARE TO THE CENTER OF ALL STRUCTURES UNLESS OTHERWISE NOTED.
  2. PIPE LENGTHS ARE MEASURED FROM CENTER TO CENTER OF ALL STRUCTURES.
  3. ALL PIPE BENDS ANGLES ARE MEASURED FROM THE CENTER OF PIPE.
  4. CONTRACTOR TO FIELD VERIFY HORIZONTAL AND VERTICAL LOCATION OF EXISTING STRUCTURES.
  5. TOP OF BOX ELEVATIONS GIVEN FOR CDOT TYPE R INLETS REFER TO THE COUNTY STANDARD DETAIL FOR CORRESPONDING DESIGN ELEVATIONS.
  6. ALL RCP PIPE SHALL BE CLASS III UNLESS OTHERWISE NOTED.
  7. PIPES OF DIFFERENT SIZES ARE TO BE MATCHED TO THE CROWN OF THE INSIDE WALL OF PIPE.
  8. ALL TYPE C INLETS ARE TO COLORADO DEPARTMENT OF TRANSPORTATION STANDARD TYPE M-604-10.
  9. PER THE EL PASO COUNTY ENGINEERING CRITERIA MANUAL, MANHOLES SHALL BE INSTALLED 1/8" BELOW THE SURFACE OF THE PAVEMENT ON THE LOWEST SIDE OF THE MANHOLE."



REFERENCE DRAWINGS			
No.	DATE	DESCRIPTION	BY
COMPUTER FILE MANAGEMENT			
FILE NAME: S:\19.886.011 (Trails at Aspen Ridge - F1)\100 Dwg\104 Plan Sets\Construction Plans\Road & Storm Plans\SD01-05.dwg			
CTB FILE: ---			
PLOT DATE: July 2, 2019 12:23:44 PM			
THIS DRAWING IS CURRENT AS OF PLOT DATE AND MAY BE SUBJECT TO CHANGE.			



**BENCHMARK**  
COLORADO SPRINGS UTILITIES (FIMS) MONUMENT F206  
A BERNTSEN TOP SECURITY MONUMENT SYSTEM WITH A 3.5-INCH DIAMETER ALUMINUM CAP IN A ROAD BOX. LOCATED ON THE NORTHWEST CORNER OF FONTAINE BOULEVARD AND POWERS BOULEVARD.  
ELEVATION - 5897.89' U.S. SURVEY FT

**BASIS OF BEARING**  
BEARINGS ARE BASED ON THE NORTH LINE OF THE NORTHWEST QUARTER OF SECTION 9, TOWNSHIP 15 SOUTH, RANGE 65 WEST OF THE 6TH P.M. SAID LINE BEARS S89°51'23"E FROM THE NORTHWEST CORNER OF SAID SECTION 9 (2 1/2" AULM. CAP PLS 17664) TO THE N 1/2 CORNER OF SAID SECTION 9 (3 1/2" AULM. CAP PLS 10377)



**SEAL**

**PRELIMINARY**  
THIS DRAWING HAS NOT BEEN APPROVED BY GOVERNING AGENCIES AND IS SUBJECT TO CHANGE

FOR AND ON BEHALF OF  
MATRIX DESIGN GROUP, INC.  
PROJECT No. 19.886.011

TRAILS AT ASPEN RIDGE			
FILING NO. 1 ROADWAY & STORM IMPROVEMENT PLANS			
STORM DRAIN PLAN & PROFILE			
DESIGNED BY: KMZ	SCALE: HORIZ 1" = 40'	DATE ISSUED: JULY, 2019	DRAWING No. SD03
DRAWN BY: LCB	VERT. 1" = 8'	SHEET 49 OF 71	
CHECKED BY: NMS			



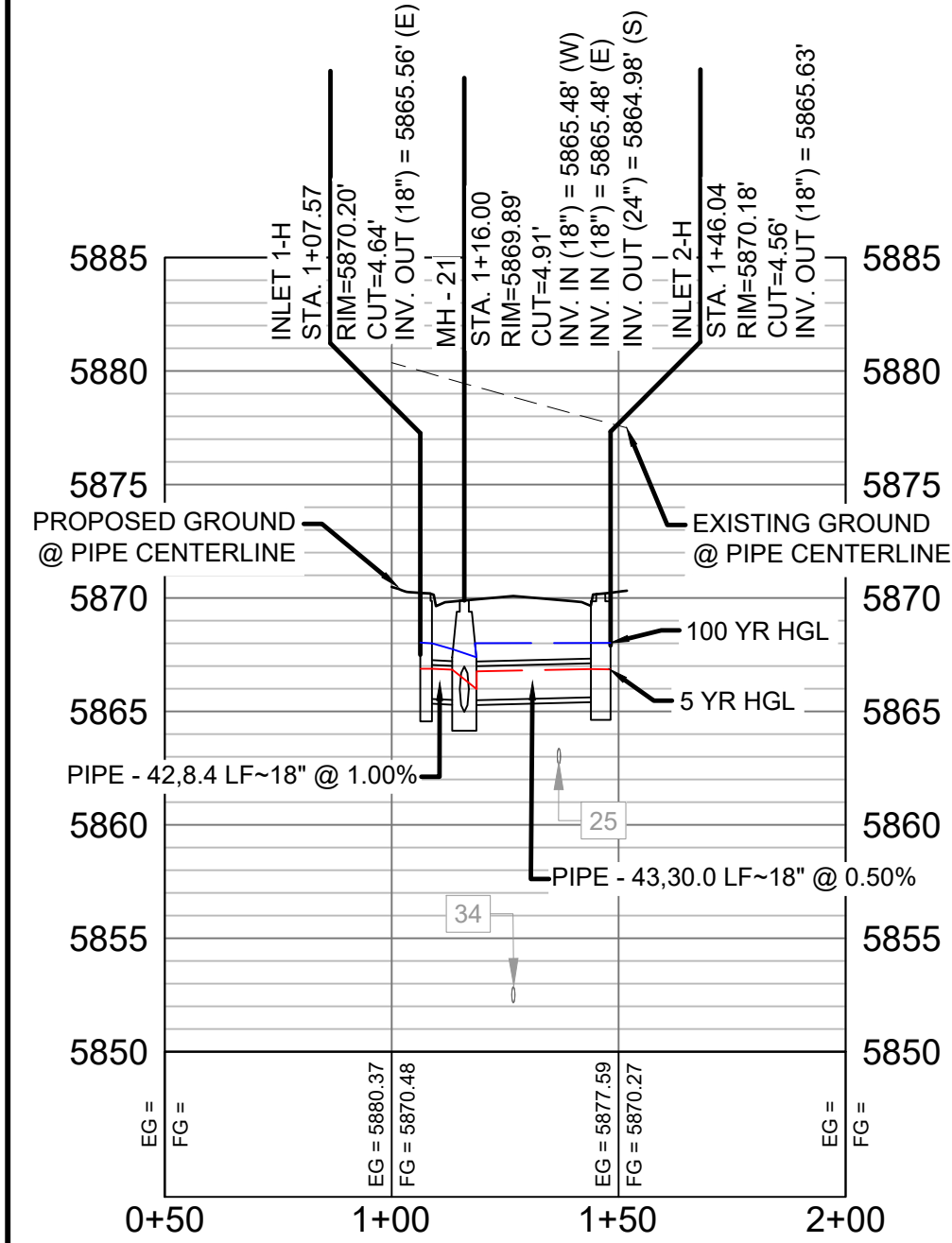
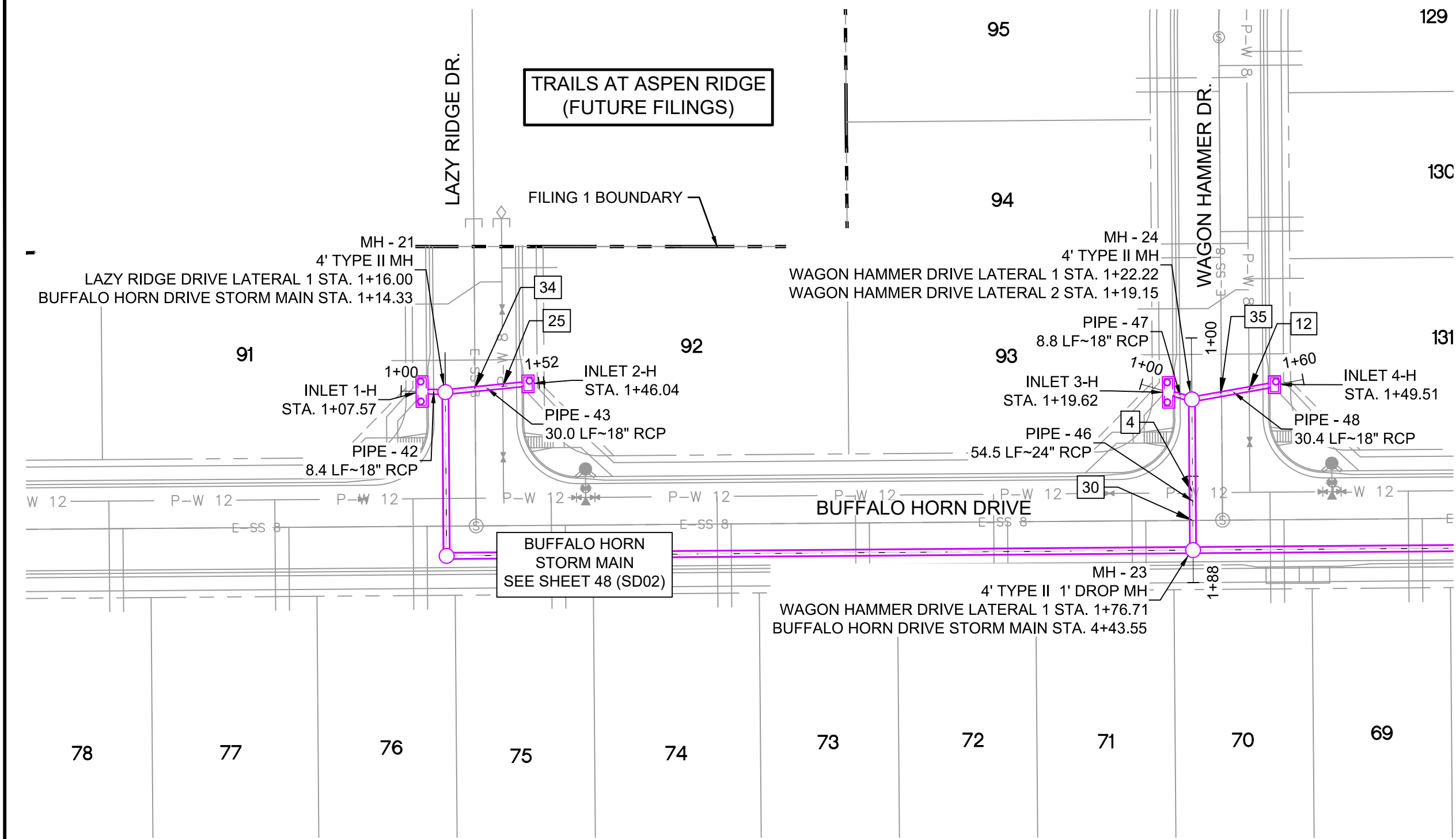


UTILITY CROSSING DETAILS				
CROSSING #	N & E	TOP OF PIPE	BTM OF PIPE	SEPARATION
4	N 5,450.46 E 12,862.07	12" PVC WATER 5851.76	24" RCP STORM 5853.76	2.00'
7	N 5,454.33 E 13,365.05	12" PVC WATER 5835.33	18" RCP STORM 5837.33	2.00'
12	N 5,487.91 E 12,882.53	8" PVC WATER 5852.57	18" RCP STORM 5854.57	2.00'
25	N 5,488.93 E 12,612.52	8" PVC WATER 5863.38	18" RCP STORM 5865.38	2.00'
30	N 5,440.41 E 12,862.12	8" PVC SAN 5846.23	24" RCP STORM 5853.64	7.41'
31	N 5,444.33 E 13,365.12	8" PVC SAN 5829.51	18" RCP STORM 5837.34	7.83'
34	N 5,487.95 E 12,602.18	8" PVC SAN 5852.87	18" RCP STORM 5865.42	12.55'
35	N 5,486.13 E 12,872.55	8" PVC SAN 5846.52	18" RCP STORM 5854.46	7.94'

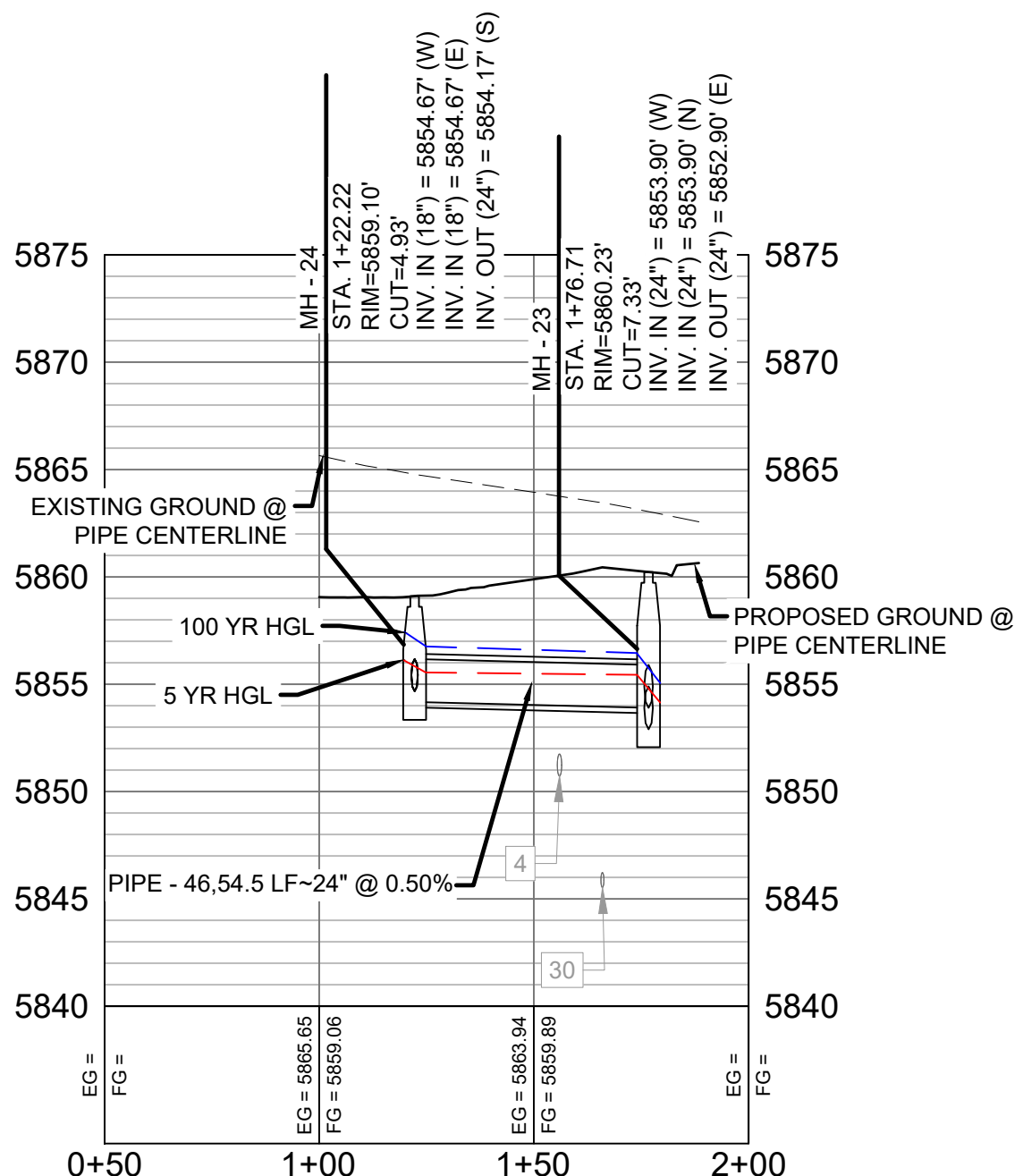
PIPE TABLE				
PIPE NAME	BEARING	LENGTH	SLOPE	SIZE
PIPE - 42	S88°38'36"E	8.4'	1.00%	18" RCP
PIPE - 50	N00°26'25"W	29.9'	0.50%	24" RCP
PIPE - 51	S00°30'03"W	8.4'	0.50%	24" RCP
PIPE - 46	N00°26'25"W	54.5'	0.50%	24" RCP
PIPE - 47	N73°17'59"W	8.8'	0.50%	18" RCP
PIPE - 48	N79°52'38"E	30.4'	0.50%	18" RCP
PIPE - 43	N84°18'03"E	30.0'	0.50%	18" RCP

STRUCTURE TABLE			
NAME	TYPE	DETAILS	N & E
INLET 1-H	10' SUMP TYPE R INLET	RIM = 5870.20 PIPE - 42 INV OUT (18") = 5865.56	N: 5487.06 E: 12583.36
INLET 2-H	5' SUMP TYPE R INLET	RIM = 5870.18 PIPE - 43 INV OUT (18") = 5865.63	N: 5489.84 E: 12621.68
INLET 3-H	10' SUMP TYPE R INLET	RIM = 5859.36 PIPE - 47 INV OUT (18") = 5854.72	N: 5486.74 E: 12853.37
INLET 4-H	5' SUMP TYPE R INLET	RIM = 5859.34 PIPE - 48 INV OUT (18") = 5854.82	N: 5489.55 E: 12891.69
INLET 5-H	10' ON-GRADE TYPE R INLET	RIM = 5841.99 PIPE - 50 INV OUT (24") = 5837.08	N: 5463.49 E: 13364.98
INLET 6-H	10' ON-GRADE TYPE R INLET	RIM = 5841.99 PIPE - 51 INV OUT (24") = 5836.97	N: 5425.15 E: 13365.13
MH - 21	4' TYPE II MH	RIM = 5869.89 PIPE - 42 INV IN (18") = 5865.48 PIPE - 43 INV IN (18") = 5865.48 PIPE - 44 INV OUT (24") = 5864.98	N: 5486.86 E: 12591.78
MH - 23	4' TYPE II 1" DROP MH	RIM = 5860.23 PIPE - 45 INV IN (24") = 5853.90 PIPE - 46 INV IN (24") = 5853.90 PIPE - 49 INV OUT (24") = 5852.90	N: 5429.71 E: 12862.23
MH - 24	4' TYPE II MH	RIM = 5859.10 PIPE - 47 INV IN (18") = 5854.67 PIPE - 48 INV IN (18") = 5854.67 PIPE - 46 INV OUT (24") = 5854.17	N: 5484.21 E: 12861.81
MH - 25	4' TYPE II MH	RIM = 5841.71 PIPE - 49 INV IN (24") = 5836.93 PIPE - 50 INV IN (24") = 5836.93 PIPE - 51 INV IN (24") = 5836.93 PIPE - 52 INV OUT (30") = 5836.43	N: 5433.58 E: 13365.21

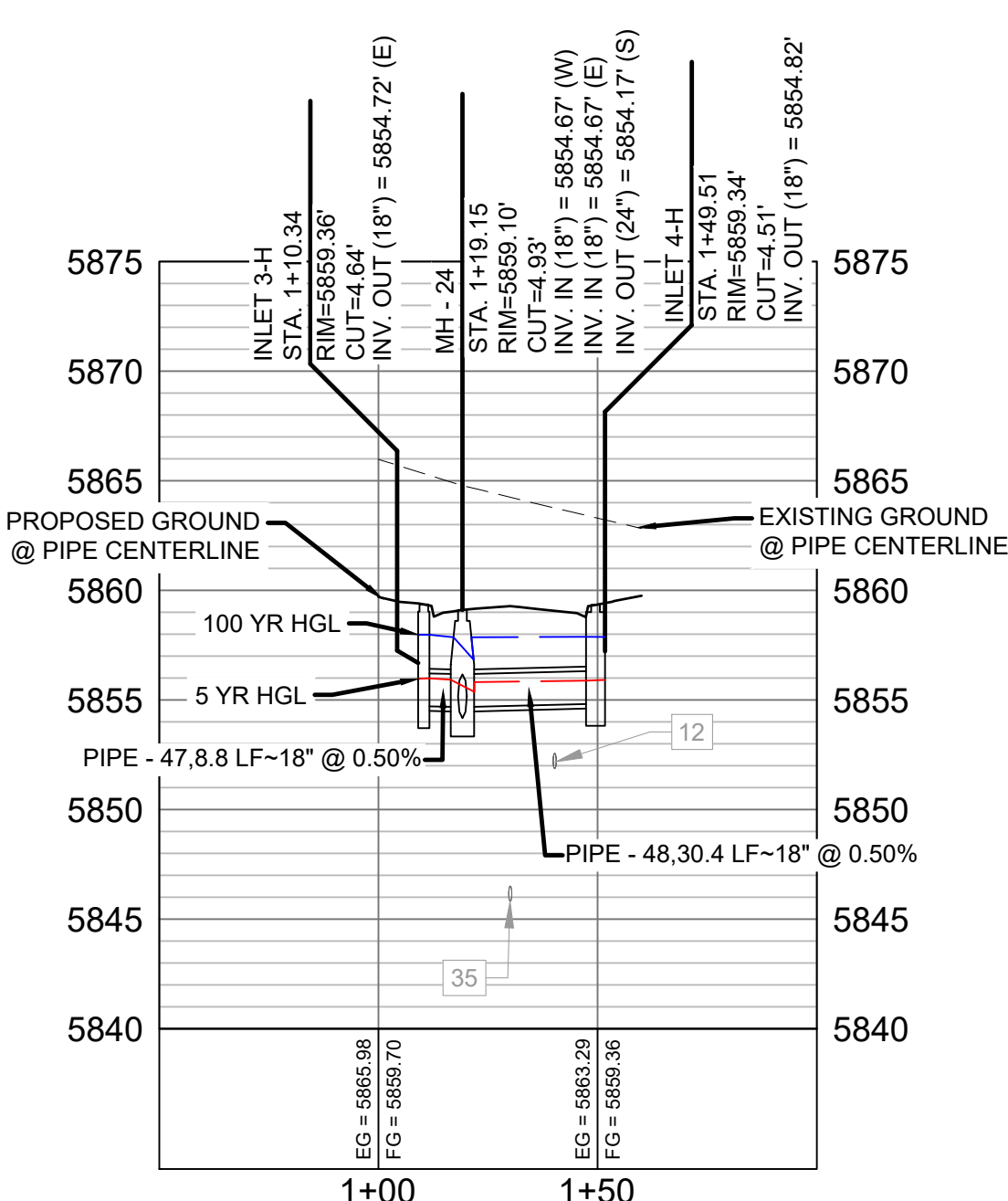
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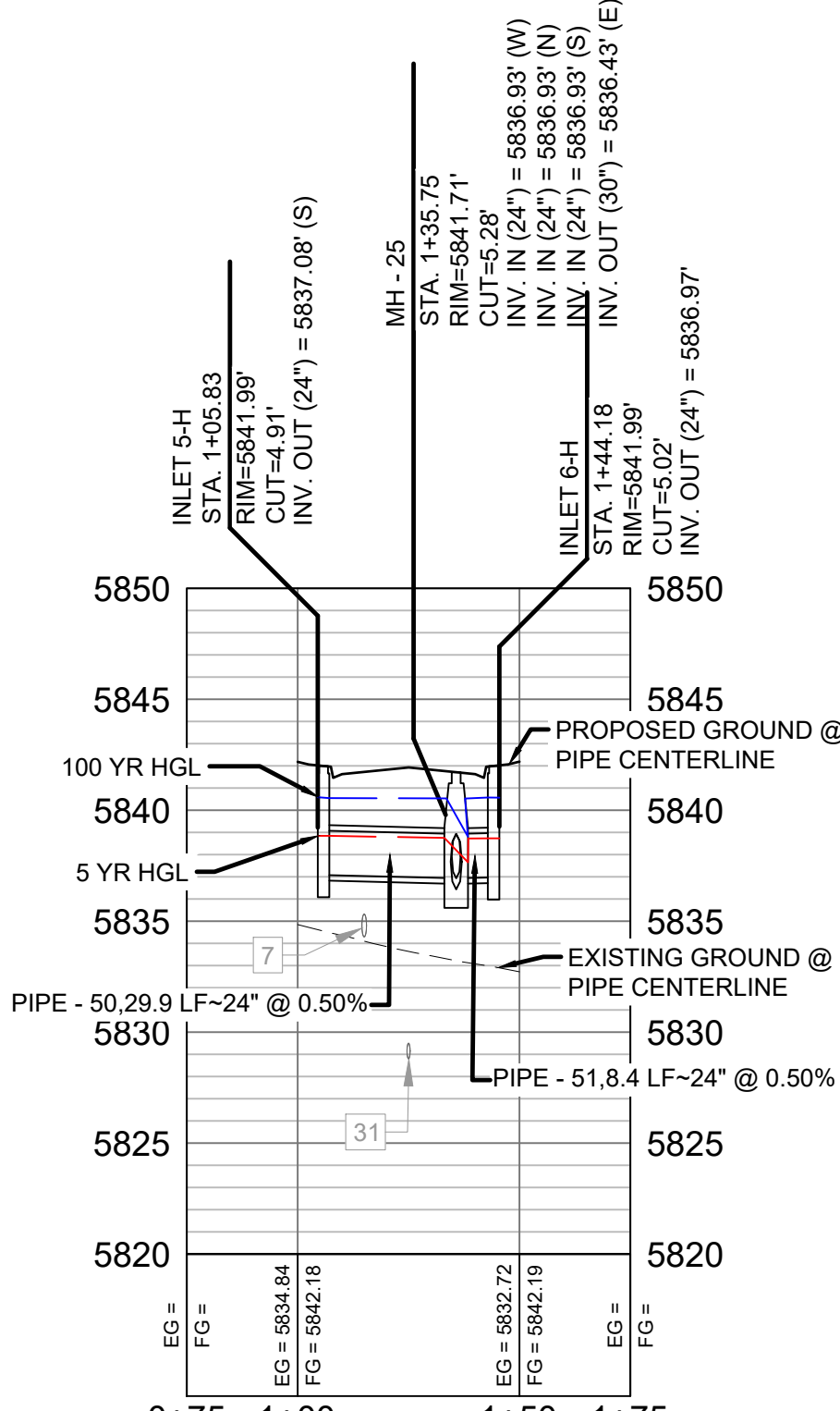
LAZY RIDGE DRIVE LATERAL 1 PROFILE  
HORIZ: 1" = 40'  
VERT: 1" = 8'



WAGON HAMMER DRIVE LATERAL 1 PROFILE  
HORIZ: 1" = 40'  
VERT: 1" = 8'

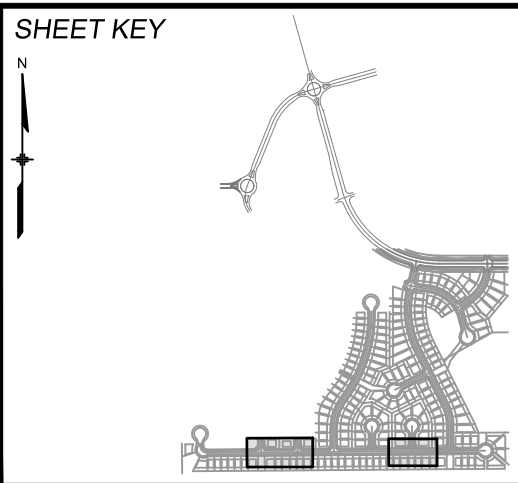


WAGON HAMMER DRIVE LATERAL 2 PROFILE  
HORIZ: 1" = 40'  
VERT: 1" = 8'



BUFFALO HORN DRIVE LATERAL 1 PROFILE  
HORIZ: 1" = 40'  
VERT: 1" = 8'

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COMPUTER FILE MANAGEMENT			
FILE NAME: S:\19.886.011 (Trails at Aspen Ridge - F1)\100 Dwg\104 Plan Sets\Construction Plans\Road & Storm Plans\SD01-05.dwg			
CTB FILE: ---			
PLOT DATE: July 2, 2019 12:24:39 PM			
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**BENCHMARK**  
COLORADO SPRINGS UTILITIES (FIMS) MONUMENT F206  
A BERNTSEN TOP SECURITY MONUMENT SYSTEM WITH A 3.5-INCH DIAMETER ALUMINUM CAP IN A ROAD BOX, LOCATED ON THE NORTHWEST CORNER OF FONTAINE BOULEVARD AND POWERS BOULEVARD.  
ELEVATION - 5897.89' U.S. SURVEY FT

**BASIS OF BEARING**  
BEARINGS ARE BASED ON THE NORTH LINE OF THE NORTHWEST QUARTER OF SECTION 9, TOWNSHIP 15 SOUTH, RANGE 65 WEST OF THE 6TH P.M. SAID LINE BEARS S89°51'23"E FROM THE NORTHWEST CORNER OF SAID SECTION 9 (2 1/2' AULM. CAP PLS 17664) TO THE N 1/4 CORNER OF SAID SECTION 9 (3 1/4' AULM. CAP PLS 10377)



**SEAL**

**PRELIMINARY**  
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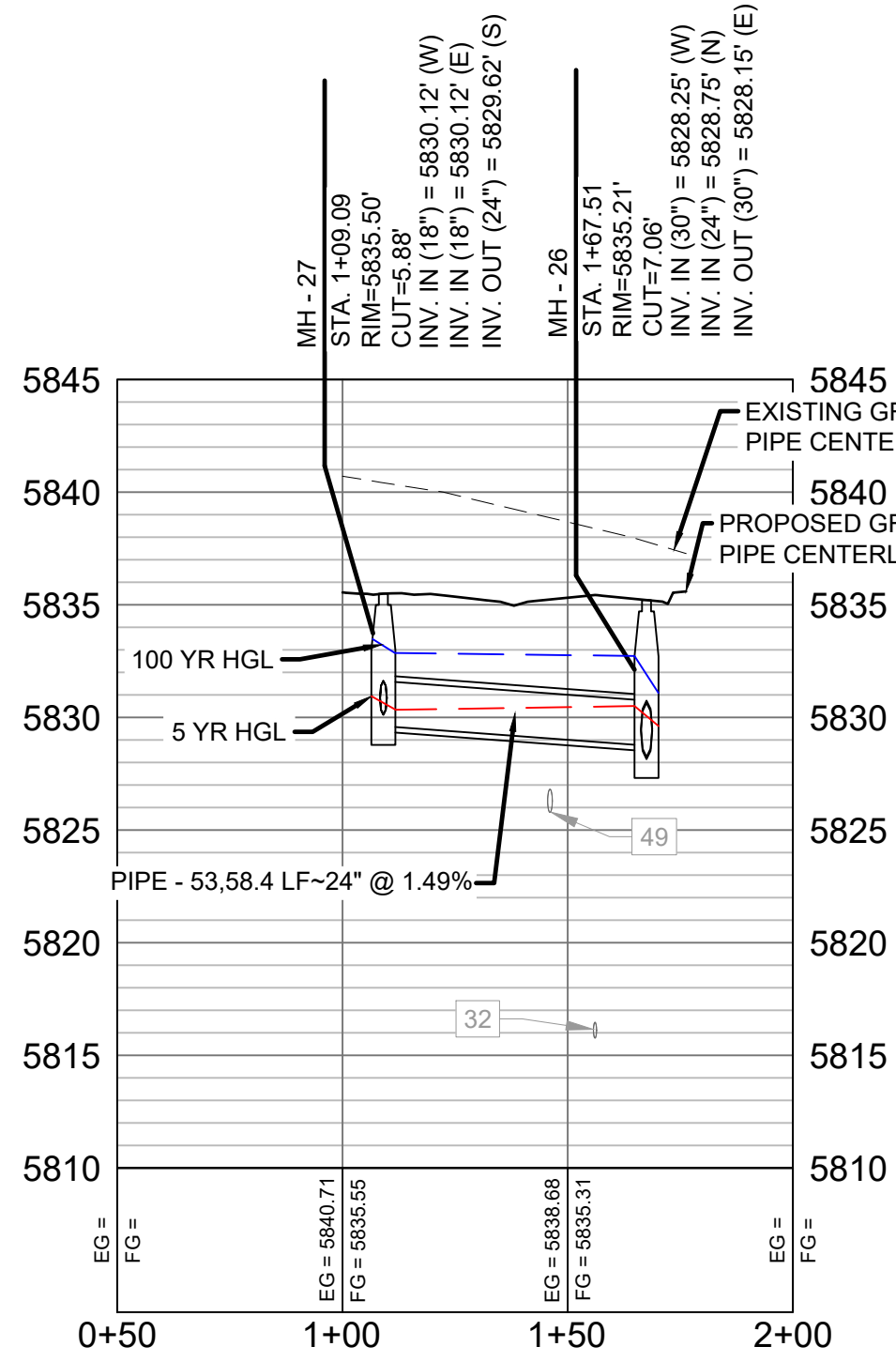
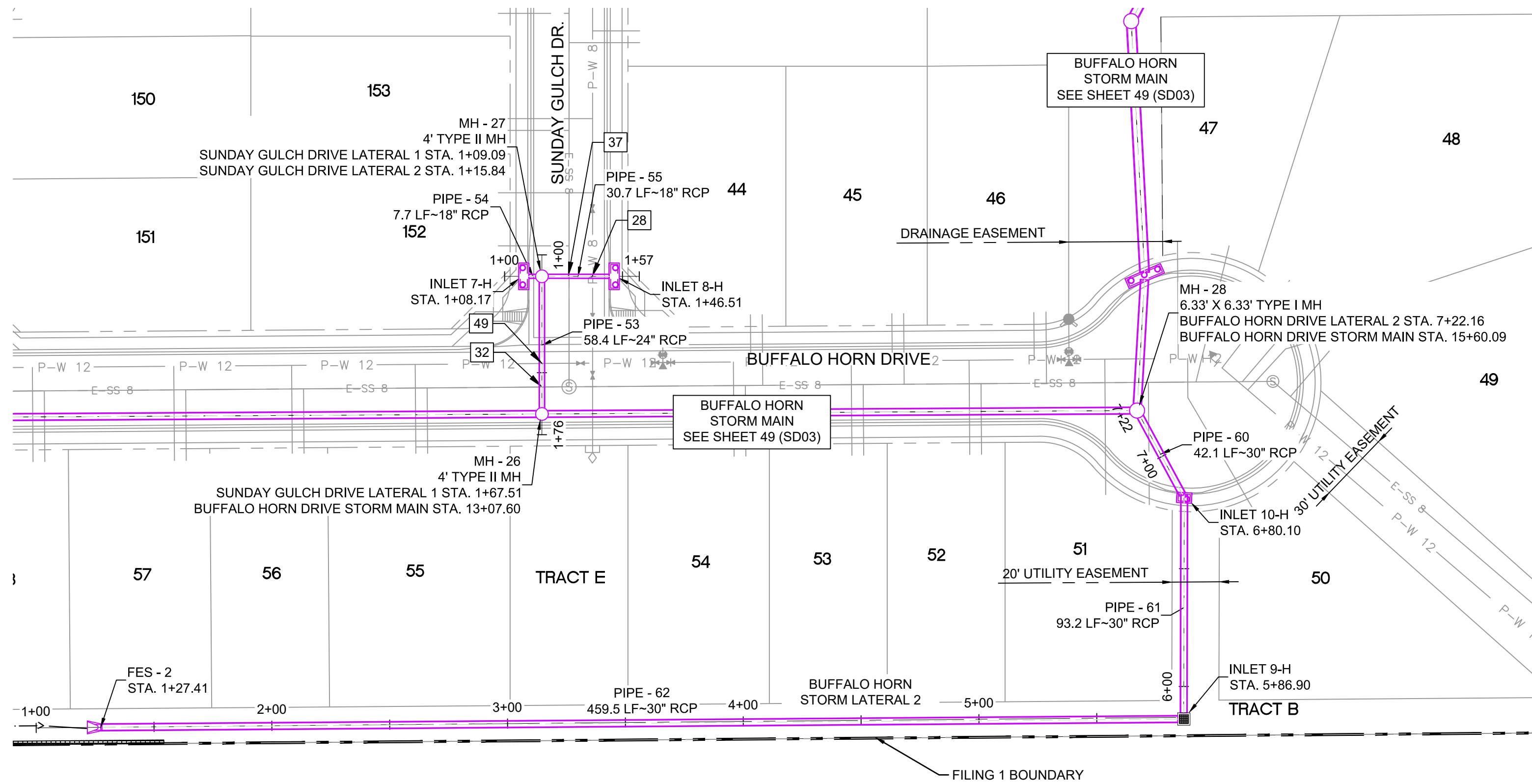
FOR AND ON BEHALF OF  
MATRIX DESIGN GROUP, INC.  
PROJECT No. 19.886.011

TRAILS AT ASPEN RIDGE				
FILING NO. 1 ROADWAY & STORM IMPROVEMENT PLANS				
STORM DRAIN PLAN & PROFILE				
DESIGNED BY: KMZ	SCALE: 1" = 40'	DATE ISSUED: JULY, 2019	DRAWING No.	SD04
CHECKED BY: NMS	VERT. 1" = 8'	SHEET 50 OF 71		

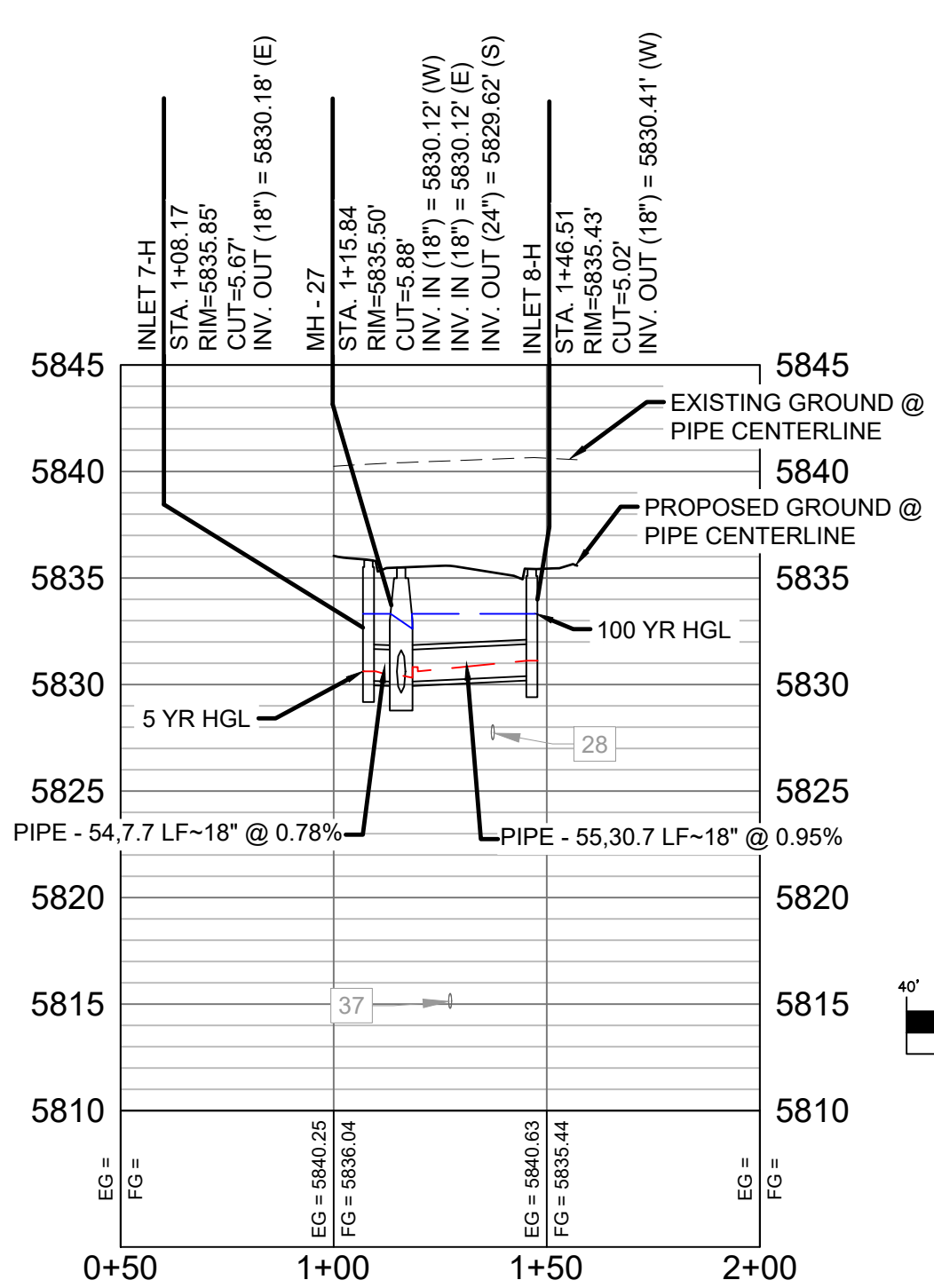




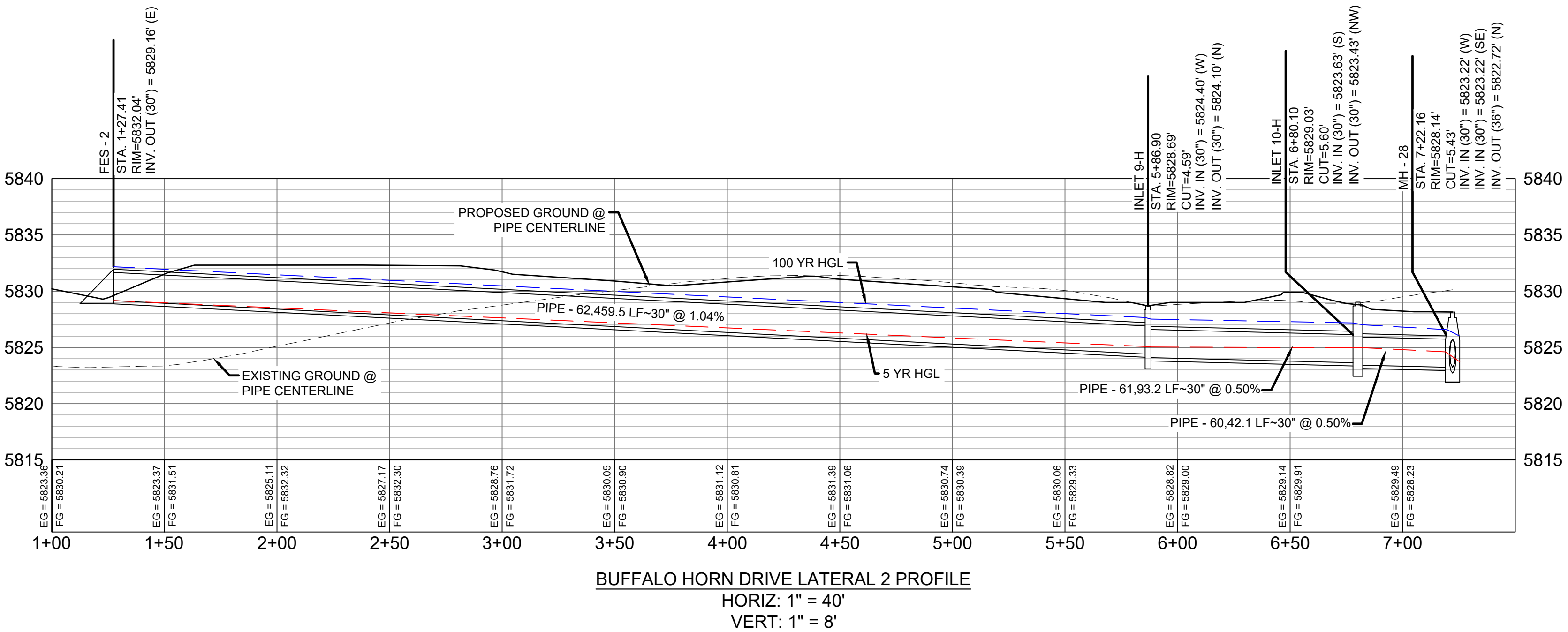
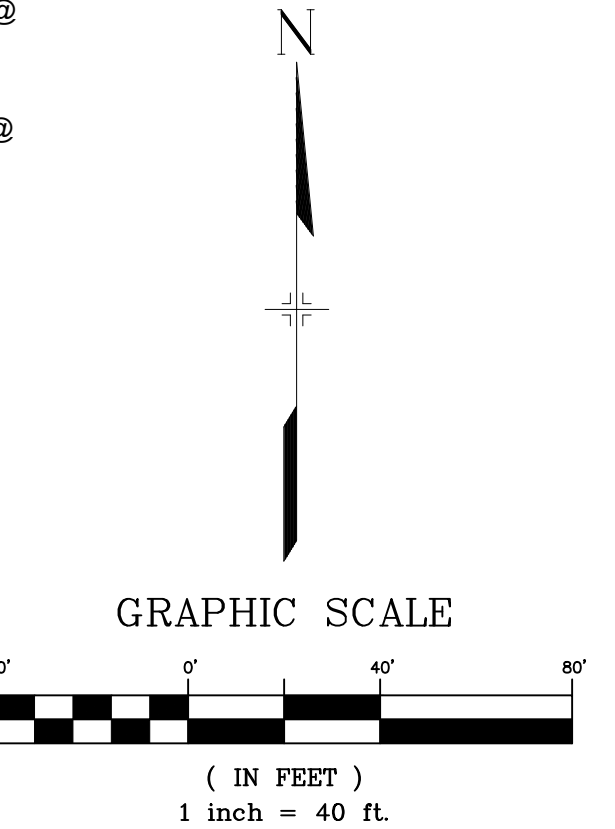
Know what's below.  
Call before you dig.



SUNDAY GULCH DRIVE LATERAL 1 PROFILE  
HORIZ: 1" = 40'  
VERT: 1" = 8'



SUNDAY GULCH DRIVE LATERAL 2 PROFILE  
HORIZ: 1" = 40'  
VERT: 1" = 8'



BUFFALO HORN DRIVE LATERAL 2 PROFILE  
HORIZ: 1" = 40'  
VERT: 1" = 8'

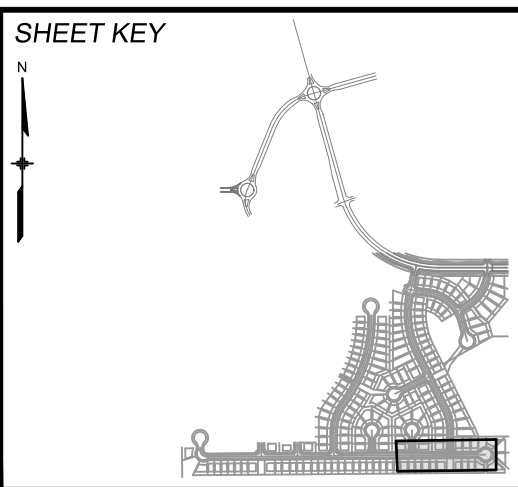
UTILITY CROSSING DETAILS				
CROSSING #	N & E	TOP OF PIPE	BTM OF PIPE	SEPARATION
28	N 5,494.09 E 13,747.74	8" PVC WATER 5828.12	18" RCP STORM 5830.12	2.00'
32	N 5,447.15 E 13,727.17	8" PVC SAN 5828.59	24" RCP STORM 5830.03	12.12
37	N 5,494.09 E 13,737.82	8" PVC SAN 5815.51	18" RCP STORM 5830.03	14.52'
49	N 5,457.28 E 13,726.12	12" PVC WATER 5826.82	24" RCP STORM 5828.82	2.00'

STRUCTURE TABLE			
NAME	TYPE	DETAILS	N & E
FES - 2	30" FES WITH TRASH GRATE	RIM = 5832.04 PIPE - 62 INV OUT (30") = 5829.16	N: 5302.70 E: 13539.07
INLET 7-H	10' ON-GRADE TYPE R INLET	RIM = 5835.85 PIPE - 54 INV OUT (18") = 5830.18	N: 5494.09 E: 13718.57
INLET 8-H	10' ON-GRADE TYPE R INLET	RIM = 5835.43 PIPE - 55 INV OUT (18") = 5830.41	N: 5494.09 E: 13756.91
INLET 9-H	TYPE C INLET WITH PEDESTRIAN GRATE	RIM = 5828.69 PIPE - 62 INV IN (30") = 5824.40 PIPE - 61 INV OUT (30") = 5824.10	N: 5306.92 E: 13998.54
INLET 10-H	5' SUMP TYPE R INLET	RIM = 5829.03 PIPE - 61 INV IN (30") = 5823.63 PIPE - 60 INV OUT (30") = 5823.43	N: 5400.12 E: 13998.75
MH - 26	4' TYPE II MH	RIM = 5835.21 PIPE - 52 INV IN (30") = 5828.25 PIPE - 53 INV IN (24") = 5828.75 PIPE - 56 INV OUT (30") = 5828.15	N: 5435.67 E: 13726.25
MH - 27	4' TYPE II MH	RIM = 5835.50 PIPE - 54 INV IN (18") = 5830.12 PIPE - 55 INV IN (18") = 5830.12 PIPE - 53 INV OUT (24") = 5829.62	N: 5494.09 E: 13726.24
MH - 28	6.33' X 6.33' TYPE I MH	RIM = 5828.14 PIPE - 56 INV IN (30") = 5823.22 PIPE - 60 INV IN (30") = 5823.22 PIPE - 57 INV OUT (36") = 5822.72	N: 5437.13 E: 13978.74

PIPE TABLE				
PIPE NAME	BEARING	LENGTH	SLOPE	SIZE
PIPE - 60	S28°23'40"E	42.1'	0.50%	30" RCP
PIPE - 61	S00°07'35"W	93.2'	0.50%	30" RCP
PIPE - 53	N00°00'29"W	58.4'	1.49%	24" RCP
PIPE - 54	N90°00'00"W	7.7'	0.78%	18" RCP
PIPE - 55	N90°00'00"E	30.7'	0.95%	18" RCP
PIPE - 62	S89°28'24"W	459.5'	1.04%	30" RCP

- NOTES:
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CTB FILE: ---			
PLOT DATE: July 2, 2019 12:25:08 PM			
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**BENCHMARK**  
COLORADO SPRINGS UTILITIES (FIMS) MONUMENT F206  
A BERNTSEN TOP SECURITY MONUMENT SYSTEM WITH A 3.5-INCH DIAMETER ALUMINUM CAP IN A ROAD BOX. LOCATED ON THE NORTHWEST CORNER OF FONTAINE BOULEVARD AND POWERS BOULEVARD.  
ELEVATION - 5897.89' U.S. SURVEY FT

**BASIS OF BEARING**  
BEARINGS ARE BASED ON THE NORTH LINE OF THE NORTHWEST QUARTER OF SECTION 9, TOWNSHIP 15 SOUTH, RANGE 65 WEST OF THE 6TH P.M. SAID LINE BEARS S89°51'23"E FROM THE NORTHWEST CORNER OF SAID SECTION 9 (2 1/2' AULM. CAP PLS 17664) TO THE N 1/4 CORNER OF SAID SECTION 9 (3 1/4' AULM. CAP PLS 10377)



**SEAL**

**PRELIMINARY**  
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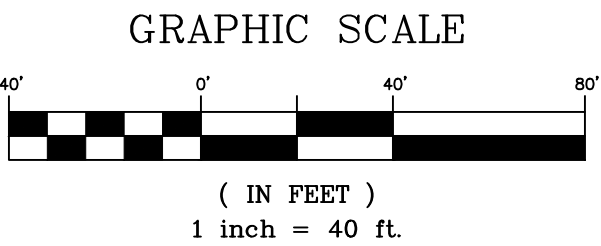
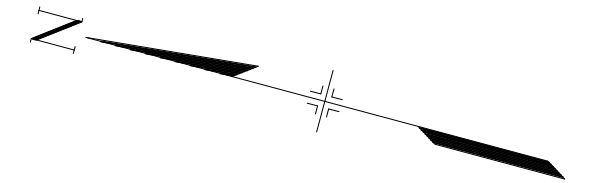
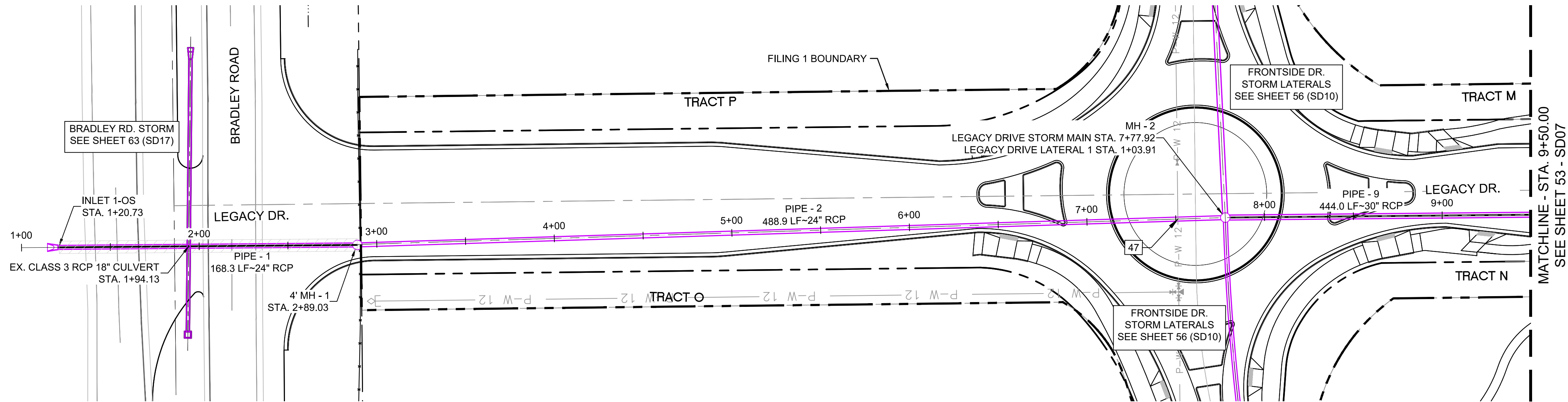
FOR AND ON BEHALF OF  
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PROJECT No. 19.886.011

TRAILS AT ASPEN RIDGE				
FILING NO. 1 ROADWAY & STORM IMPROVEMENT PLANS				
STORM DRAIN PLAN & PROFILE				
DESIGNED BY: KMZ	SCALE		DATE ISSUED:	JULY, 2019
DRAWN BY: LCB	HORIZ	1" = 40'	SHEET	51 OF 71
CHECKED BY: NMS	VERT.	1" = 8'		
				DRAWING No. SD05

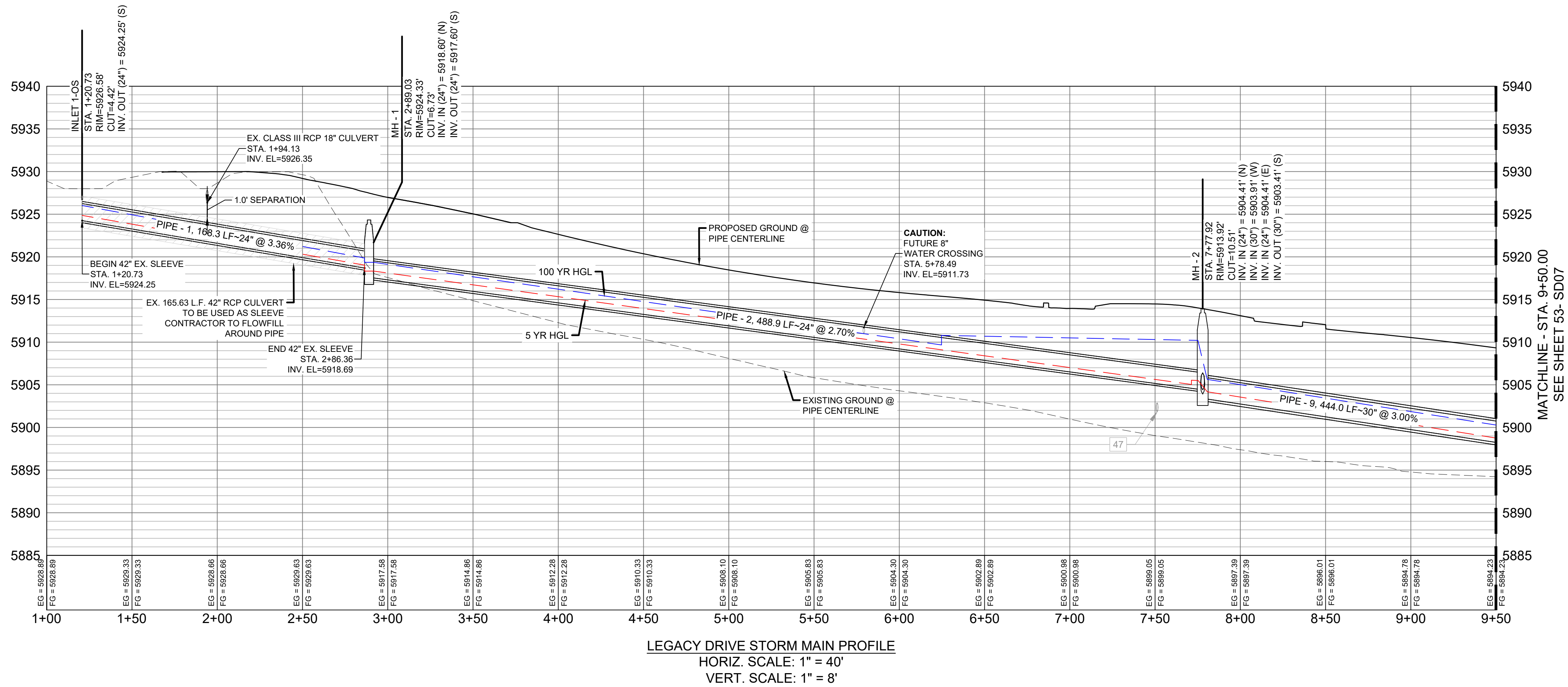




Know what's below.  
Call before you dig.



UTILITY CROSSING DETAILS				
CROSSING #	N & E	TOP OF PIPE	BTM OF PIPE	SEPARATION
47	N 8,155.02 E 12,702.00	12" PVC WATER 5736.19	24" RCP STORM 5738.19	2.00'

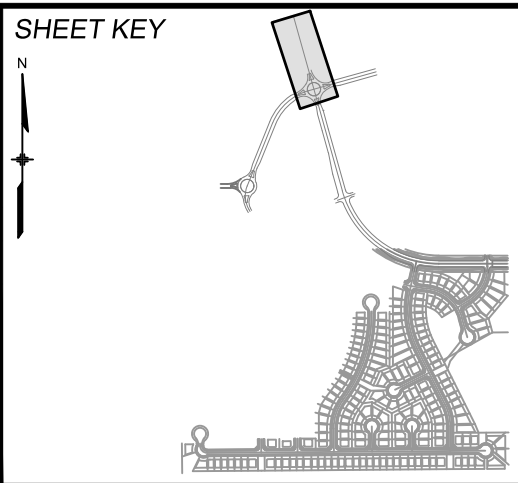


PIPE TABLE				
PIPE NAME	BEARING	LENGTH	SLOPE	SIZE
PIPE - 9	S15°32'08"E	444.0'	3.00%	30" RCP
PIPE - 1	S15°28'07"E	168.3'	3.36%	24" RCP
PIPE - 2	S16°48'16"E	488.9'	2.70%	24" RCP

STRUCTURE TABLE			
NAME	TYPE	DETAILS	N & E
INLET 1-OS	24" FES	RIM = 5926.58 PIPE - 1 INV OUT (24") = 5924.25	N: 8759.66 E: 12523.50
MH - 1	4' TYPE II 1' DROP MH	RIM = 5924.33 PIPE - 1 INV IN (24") = 5918.60 PIPE - 2 INV OUT (24") = 5917.60	N: 8597.45 E: 12568.39
MH - 2	6.33' X 6.33' TYPE I MH	RIM = 5913.92 PIPE - 2 INV IN (24") = 5904.41 PIPE - 3 INV IN (30") = 5903.91 PIPE - 6 INV IN (24") = 5904.41 PIPE - 9 INV OUT (30") = 5903.41	N: 8129.44 E: 12709.73

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CTB FILE: ----			
PLOT DATE: July 2, 2019 12:28:01 PM			
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**BENCHMARK**  
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A BERNTSEN TOP SECURITY MONUMENT SYSTEM WITH A 3.5-INCH DIAMETER ALUMINUM CAP IN A ROAD BOX. LOCATED ON THE NORTHWEST CORNER OF FONTAINE BOULEVARD AND POWERS BOULEVARD.  
ELEVATION - 5897.89' U.S. SURVEY FT

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**SEAL**

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FOR AND ON BEHALF OF  
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PROJECT No. 19.886.011

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STORM DRAIN PLAN & PROFILE				
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DRAWN BY:	LCB	HORIZ 1" = 40'		
CHECKED BY:	NMS	VERT. 1" = 8'	SHEET	52 OF 71
				DRAWING No. SD06



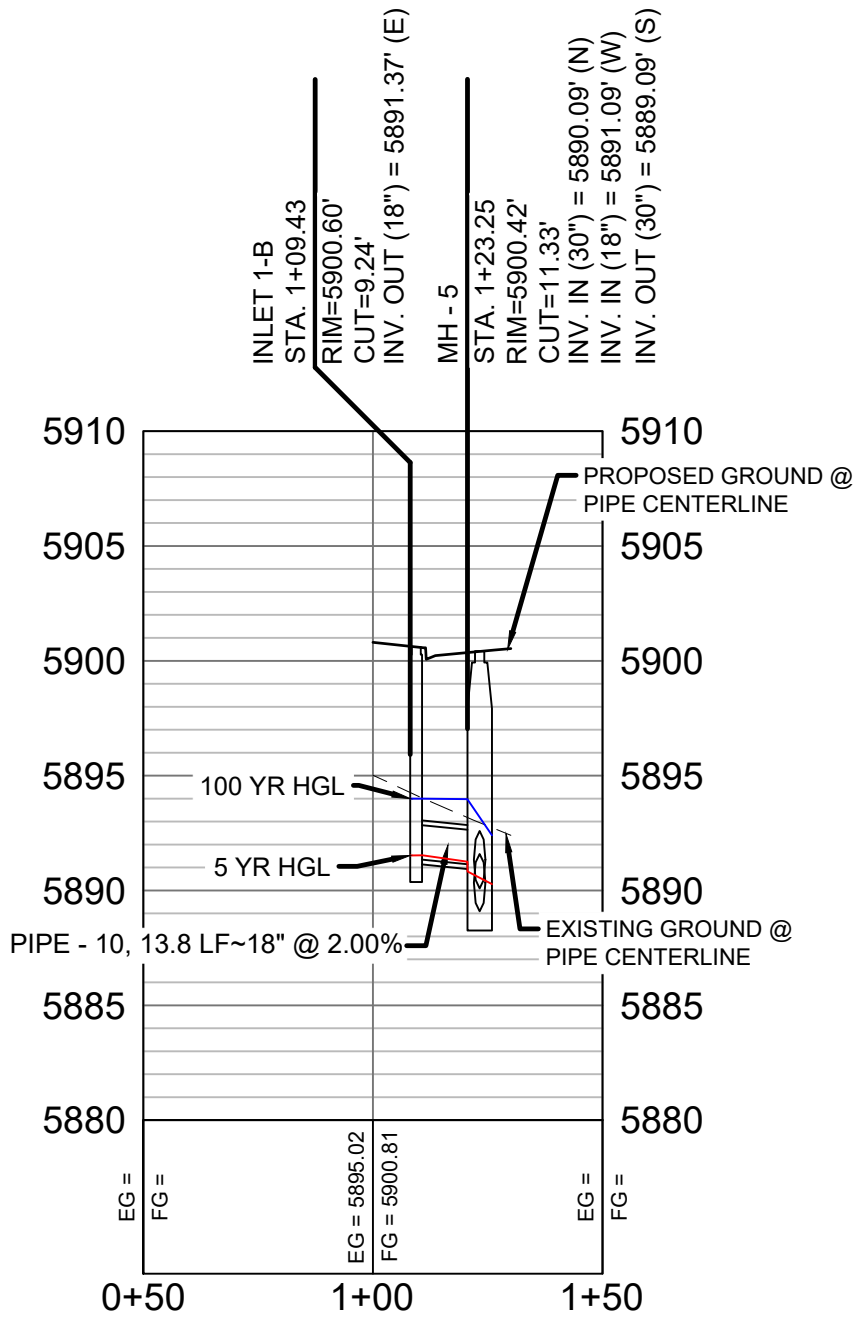
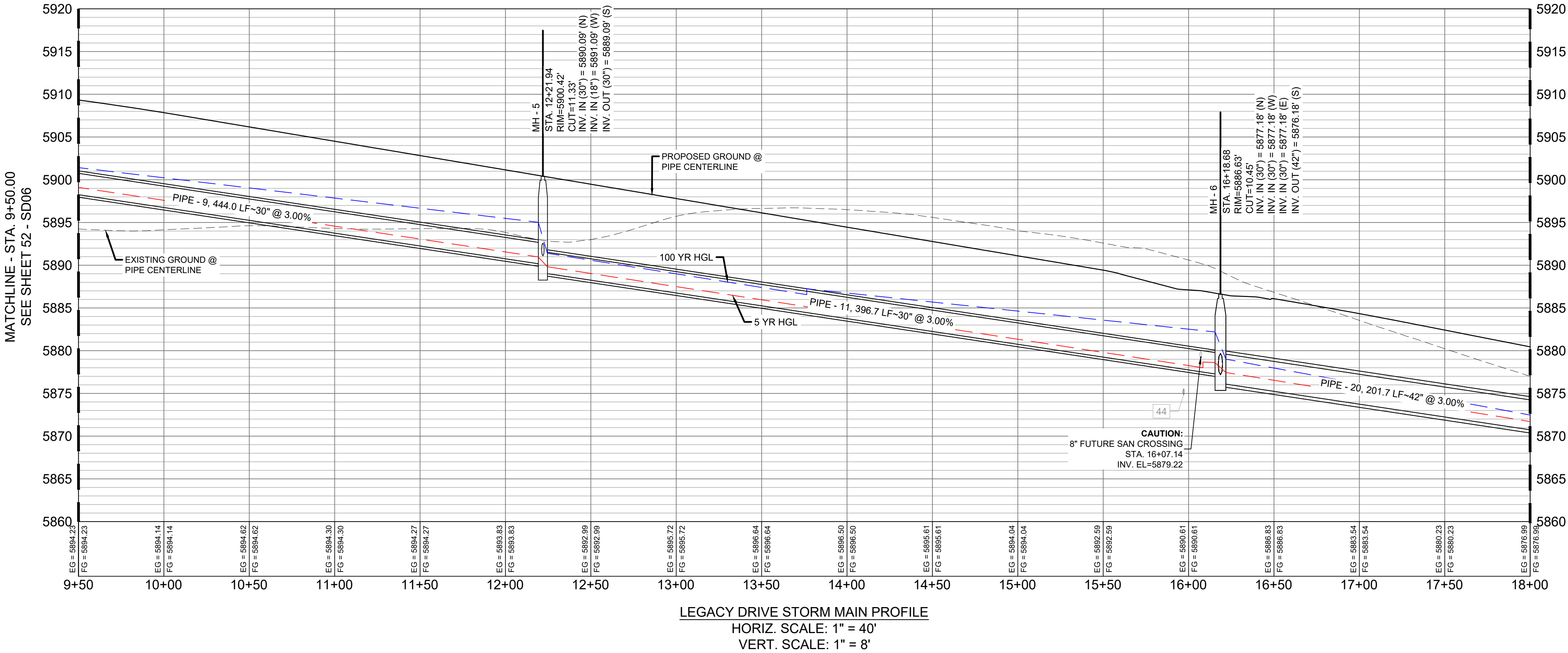
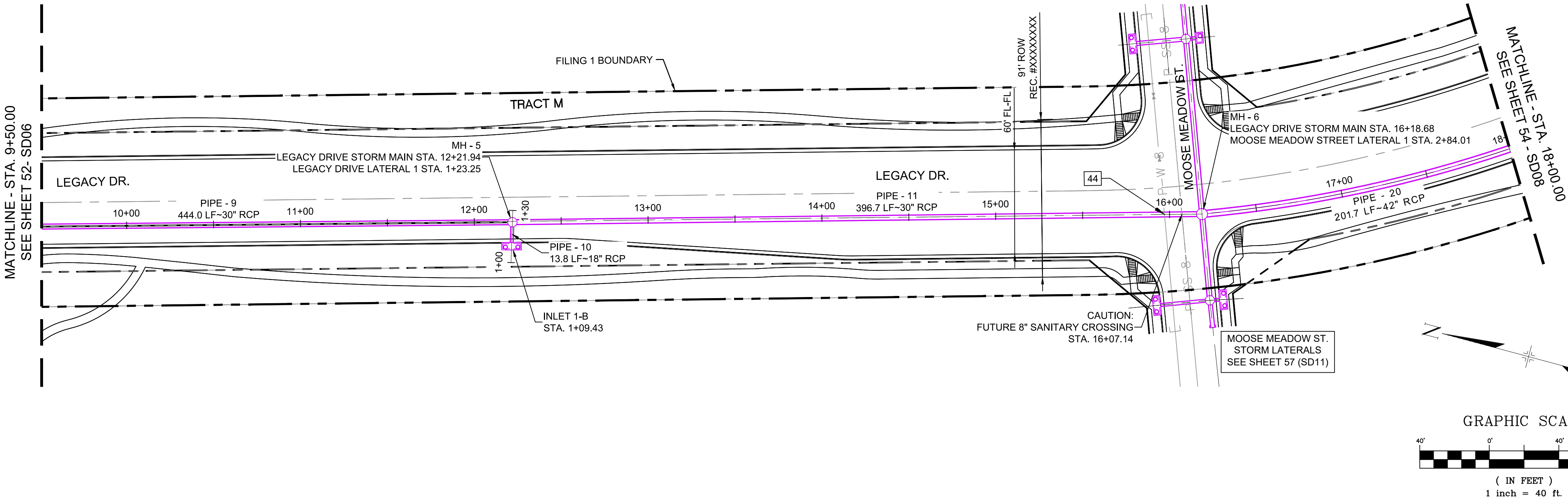


UTILITY CROSSING DETAILS				
CROSSING #	N & E	TOP OF PIPE	BTM OF PIPE	SEPARATION
44	N 7,340.43 E 12,930.04	8" PVC WATER 5733.39	30" RCP STORM 5735.39	2.00'
29	N 5,438.39 E 12,592.15	8" PVC SAN 5852.77	24" RCP STORM 5864.27	11.50'

PIPE TABLE				
PIPE NAME	BEARING	LENGTH	SLOPE	SIZE
PIPE - 10	S76°57'39"W	13.8'	2.00%	18" RCP
PIPE - 9	S15°32'08"E	444.0'	3.00%	30" RCP
PIPE - 11	S15°40'40"E	396.7'	3.00%	30" RCP

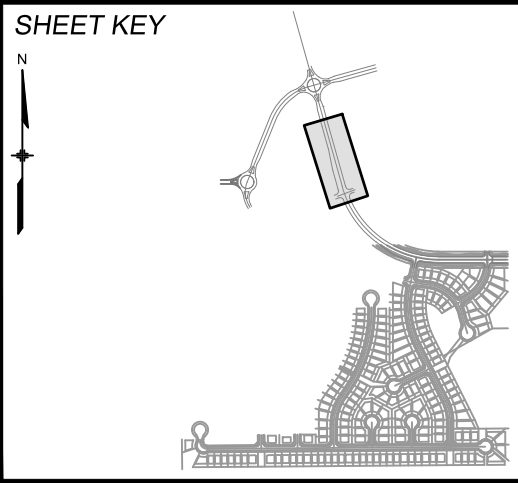
PIPE TABLE					
PIPE NAME	RADIUS	CHORD LENGTH	LENGTH	SLOPE	SIZE
PIPE - 20	772.34'	201.10'	201.68'	3.000%	42" RCP

STRUCTURE TABLE			
NAME	TYPE	DETAILS	N & E
INLET 1-B	10' ON-GRADE TYPE R INLET	RIM = 5900.60 PIPE - 10 INV OUT (18") = 5891.37	N: 7698.52 E: 12815.19
MH - 5	6.33' X 6.33' TYPE I MH	RIM = 5900.42 PIPE - 9 INV IN (30") = 5890.09 PIPE - 10 INV IN (18") = 5891.09 PIPE - 11 INV OUT (30") = 5889.09	N: 7701.64 E: 12828.66
MH - 6	6.33' X 6.33' TYPE I 1' DROP MH	RIM = 5886.63 PIPE - 11 INV IN (30") = 5877.18 PIPE - 12 INV IN (30") = 5877.18 PIPE - 16 INV IN (30") = 5877.18 PIPE - 20 INV OUT (42") = 5876.18	N: 7319.66 E: 12935.87



- NOTES:
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  - PIPE LENGTHS ARE MEASURED FROM CENTER TO CENTER OF ALL STRUCTURES.
  - ALL PIPE BENDS ANGLES ARE MEASURED FROM THE CENTER OF PIPE.
  - CONTRACTOR TO FIELD VERIFY HORIZONTAL AND VERTICAL LOCATION OF EXISTING STRUCTURES.
  - TOP OF BOX ELEVATIONS GIVEN FOR CDOT TYPE R INLETS REFER TO THE COUNTY STANDARD DETAIL FOR CORRESPONDING DESIGN ELEVATIONS.
  - ALL RCP PIPE SHALL BE CLASS III UNLESS OTHERWISE NOTED.
  - PIPES OF DIFFERENT SIZES ARE TO BE MATCHED TO THE CROWN OF THE INSIDE WALL OF PIPE.
  - ALL TYPE C INLETS ARE TO COLORADO DEPARTMENT OF TRANSPORTATION STANDARD TYPE M-604-10.
  - PER THE EL PASO COUNTY ENGINEERING CRITERIA MANUAL, MANHOLES SHALL BE INSTALLED 1/8" BELOW THE SURFACE OF THE PAVEMENT ON THE LOWEST SIDE OF THE MANHOLE."

REFERENCE DRAWINGS			
No.	DATE	DESCRIPTION	BY
COMPUTER FILE MANAGEMENT			
FILE NAME: S:\19.886.011 (Trails at Aspen Ridge - F1)\100 Dwg\104 Plan Sets\Construction Plans\Road & Storm Plans\SD06-07.dwg			
CTB FILE: ----			
PLOT DATE: July 2, 2019 12:28:35 PM			
THIS DRAWING IS CURRENT AS OF PLOT DATE AND MAY BE SUBJECT TO CHANGE.			



**BENCHMARK**  
COLORADO SPRINGS UTILITIES (FIMS) MONUMENT F206  
A BERNTSEN TOP SECURITY MONUMENT SYSTEM WITH A 3.5-INCH DIAMETER ALUMINUM CAP IN A ROAD BOX, LOCATED ON THE NORTHWEST CORNER OF FONTAINE BOULEVARD AND POWERS BOULEVARD.  
ELEVATION - 5897.89' U.S. SURVEY FT

**BASIS OF BEARING**  
BEARINGS ARE BASED ON THE NORTH LINE OF THE NORTHWEST QUARTER OF SECTION 9, TOWNSHIP 15 SOUTH, RANGE 65 WEST OF THE 6TH P.M. SAID LINE BEARS S89°51'23"E FROM THE NORTHWEST CORNER OF SAID SECTION 9 (2 1/2' AULM. CAP PLS 17664) TO THE N 1/4 CORNER OF SAID SECTION 9 (3 1/4' AULM. CAP PLS 10377)



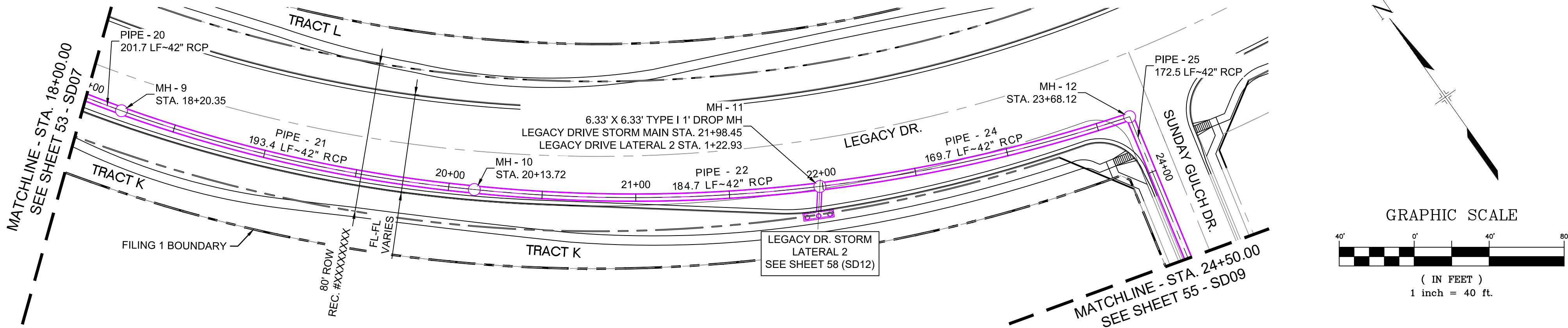
SEAL

**PRELIMINARY**  
THIS DRAWING HAS NOT BEEN APPROVED BY GOVERNING AGENCIES AND IS SUBJECT TO CHANGE

FOR AND ON BEHALF OF  
MATRIX DESIGN GROUP, INC.  
PROJECT No. 19.886.011

TRAILS AT ASPEN RIDGE					
FILING NO. 1 ROADWAY & STORM IMPROVEMENT PLANS					
STORM DRAIN PLAN & PROFILE					
DESIGNED BY:	KMZ	SCALE		DATE ISSUED: JULY, 2019	DRAWING No.  SD07
DRAWN BY:	LCB	HORIZ	1" = 40'		
CHECKED BY:	NMS	VERT.	1" = 8'		
		SHEET		53 OF 71	

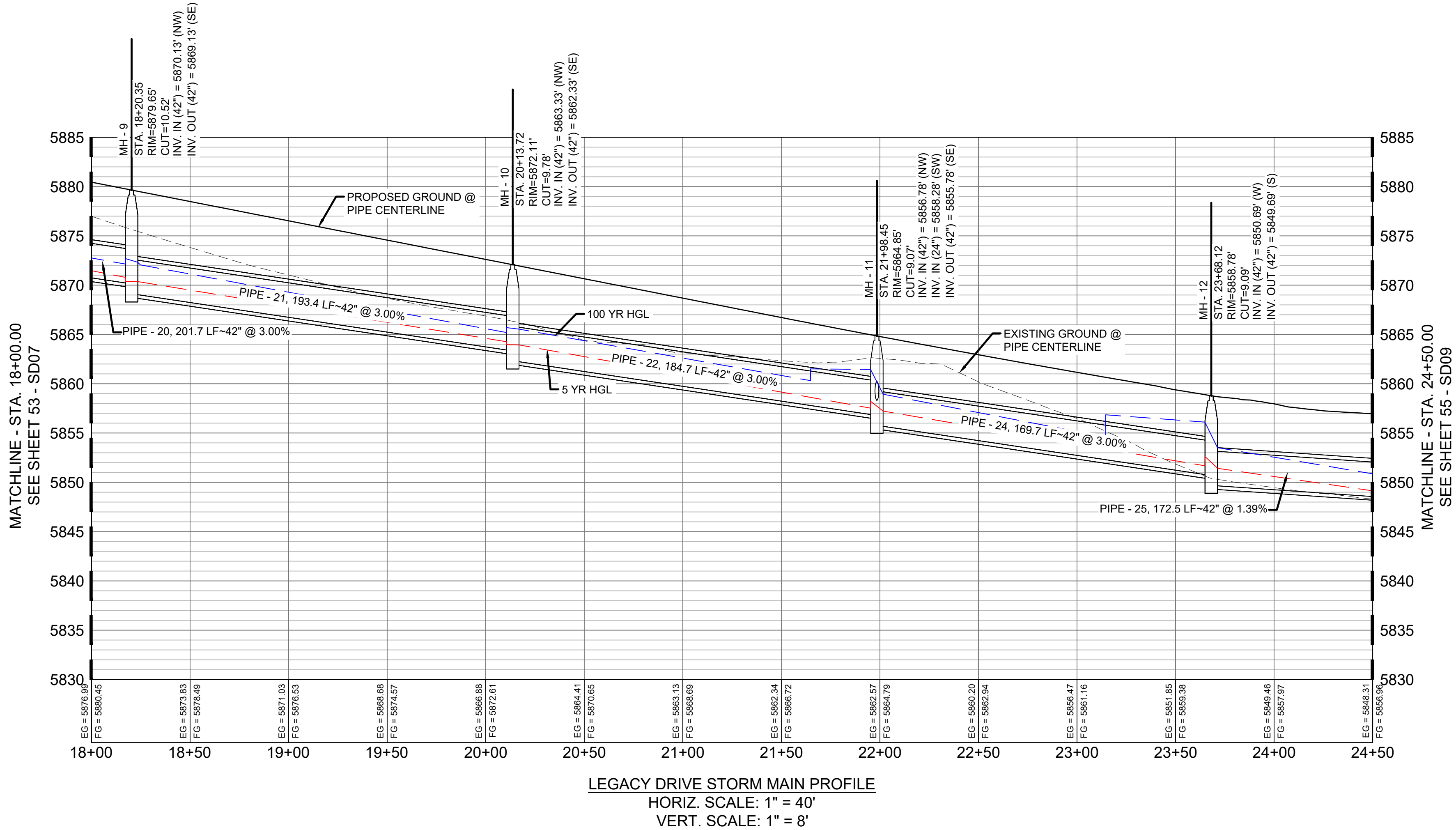




STRUCTURE TABLE			
NAME	TYPE	DETAILS	N & E
MH - 9	6.33' X 6.33' TYPE I 1' DROP MH	RIM = 5879.65 PIPE - 20 INV IN (42") = 5870.13 PIPE - 21 INV OUT (42") = 5869.13	N: 7141.68 E: 13029.49
MH - 10	6.33' X 6.33' TYPE I 1' DROP MH	RIM = 5872.11 PIPE - 21 INV IN (42") = 5863.33 PIPE - 22 INV OUT (42") = 5862.33	N: 6999.25 E: 13159.53
MH - 11	6.33' X 6.33' TYPE I 1' DROP MH	RIM = 5864.85 PIPE - 22 INV IN (42") = 5856.78 PIPE - 23 INV IN (24") = 5858.28 PIPE - 24 INV OUT (42") = 5855.78	N: 6894.86 E: 13311.48
MH - 12	6.33' X 6.33' TYPE I 1' DROP MH	RIM = 5858.78 PIPE - 24 INV IN (42") = 5850.69 PIPE - 25 INV OUT (42") = 5849.69	N: 6830.62 E: 13468.19

PIPE TABLE				
PIPE NAME	BEARING	LENGTH	SLOPE	SIZE
PIPE - 20	S27°44'40"E	201.7'	3.00%	42" RCP
PIPE - 25	S12°35'09"W	172.5'	1.39%	42" RCP

PIPE TABLE					
PIPE NAME	RADIUS	CHORD LENGTH	LENGTH	SLOPE	SIZE
PIPE - 22	832.43'	184.35'	184.73'	3.004%	42" RCP
PIPE - 24	832.43'	169.37'	169.67'	3.000%	42" RCP
PIPE - 21	772.34'	192.86'	193.37'	2.999%	42" RCP



- NOTES:
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  - PIPE LENGTHS ARE MEASURED FROM CENTER TO CENTER OF ALL STRUCTURES.
  - ALL PIPE BENDS ANGLES ARE MEASURED FROM THE CENTER OF PIPE.
  - CONTRACTOR TO FIELD VERIFY HORIZONTAL AND VERTICAL LOCATION OF EXISTING STRUCTURES.
  - TOP OF BOX ELEVATIONS GIVEN FOR CDOT TYPE R INLETS REFER TO THE COUNTY STANDARD DETAIL FOR CORRESPONDING DESIGN ELEVATIONS.
  - ALL RCP PIPE SHALL BE CLASS III UNLESS OTHERWISE NOTED.
  - PIPES OF DIFFERENT SIZES ARE TO BE MATCHED TO THE CROWN OF THE INSIDE WALL OF PIPE.
  - ALL TYPE C INLETS ARE TO COLORADO DEPARTMENT OF TRANSPORTATION STANDARD TYPE M-604-10.
  - PER THE EL PASO COUNTY ENGINEERING CRITERIA MANUAL, MANHOLES SHALL BE INSTALLED 1/8" BELOW THE SURFACE OF THE PAVEMENT ON THE LOWEST SIDE OF THE MANHOLE."

REFERENCE DRAWINGS

No.	DATE	DESCRIPTION	BY
COMPUTER FILE MANAGEMENT			
FILE NAME: S:\19.886.011 (Trails at Aspen Ridge - F1)\100 Dwg\104 Plan Sets\Construction Plans\Road & Storm Plans\SD08-09.dwg			
CTB FILE: ----			
PLOT DATE: July 2, 2019 12:31:58 PM			
THIS DRAWING IS CURRENT AS OF PLOT DATE AND MAY BE SUBJECT TO CHANGE.			

SHEET KEY

BENCHMARK

COLORADO SPRINGS UTILITIES (FIMS) MONUMENT F206  
A BERNTSEN TOP SECURITY MONUMENT SYSTEM WITH A 3.5-INCH DIAMETER ALUMINUM CAP IN A ROAD BOX, LOCATED ON THE NORTHWEST CORNER OF FONTAINE BOULEVARD AND POWERS BOULEVARD.  
ELEVATION - 5897.89' U.S. SURVEY FT

BASIS OF BEARING

BEARINGS ARE BASED ON THE NORTH LINE OF THE NORTHWEST QUARTER OF SECTION 9, TOWNSHIP 15 SOUTH, RANGE 65 WEST OF THE 6TH P.M. SAID LINE BEARS S89°51'23"E FROM THE NORTHWEST CORNER OF SAID SECTION 9 (2 1/2" AULM. CAP PLS 17664) TO THE N 1/4 CORNER OF SAID SECTION 9 (3 1/4" AULM. CAP PLS 10377)

SEAL

PRELIMINARY  
THIS DRAWING HAS NOT BEEN APPROVED BY GOVERNING AGENCIES AND IS SUBJECT TO CHANGE

FOR AND ON BEHALF OF  
MATRIX DESIGN GROUP, INC.  
PROJECT No. 19.886.011

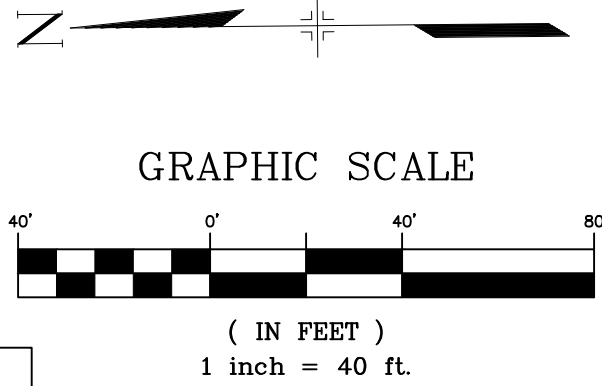
TRAILS AT ASPEN RIDGE

FILING NO. 1  
ROADWAY & STORM IMPROVEMENT PLANS

STORM DRAIN PLAN & PROFILE

DESIGNED BY:	KMZ	SCALE	DATE ISSUED:	JULY, 2019	DRAWING No.
DRAWN BY:	LCB	HORIZ 1" = 40'			
CHECKED BY:	NMS	VERT. 1" = 8'	SHEET	54 OF 71	SD08





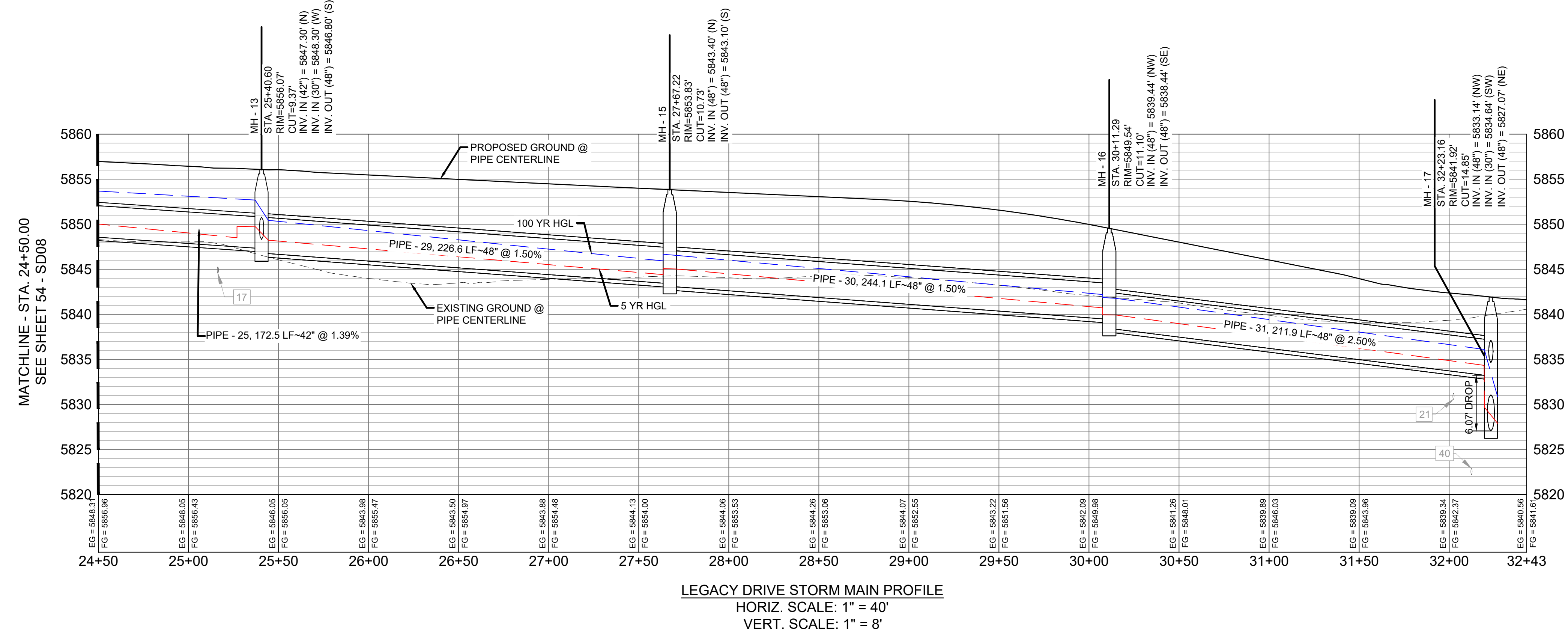
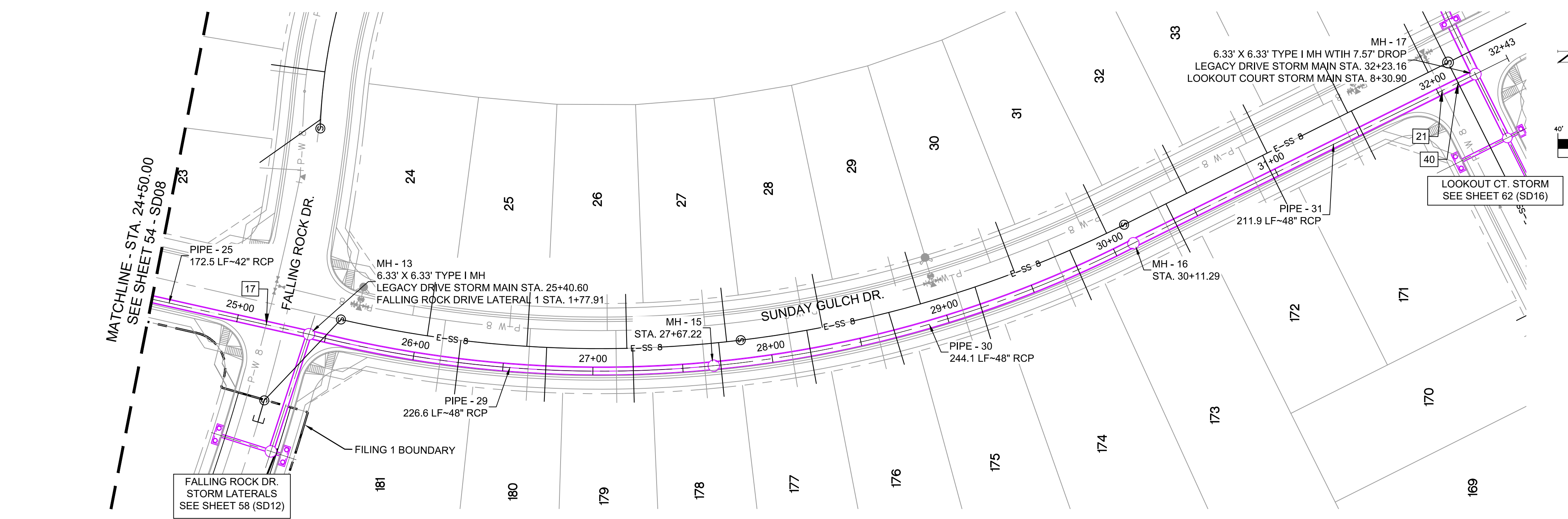
UTILITY CROSSING DETAILS				
CROSSING #	N & E	TOP OF PIPE	BTM OF PIPE	SEPARATION
17	N 6,685.98 E 13,435.90	8" PVC WATER 5845.27	42" RCP STORM 5847.27	2.00'
21	N 6,033.19 E 13,565.70	8" PVC WATER 5831.26	48" RCP STORM 5833.26	2.00'
40	N 6,024.19 E 13,570.18	8" PVC SAN 5822.92	48" RCP STORM 5832.99	10.07'

STRUCTURE TABLE			
NAME	TYPE	DETAILS	N & E
MH - 13	6.33' X 6.33' TYPE I MH	RIM = 5856.07 PIPE - 25 INV IN (42") = 5847.30 PIPE - 26 INV IN (30") = 5848.30 PIPE - 29 INV OUT (48") = 5846.80	N: 6662.28 E: 13430.61
MH - 15	6.33' X 6.33' TYPE I MH	RIM = 5853.83 PIPE - 29 INV IN (48") = 5843.40 PIPE - 30 INV OUT (48") = 5843.10	N: 6437.47 E: 13413.13
MH - 16	6.33' X 6.33' TYPE I 1' DROP MH	RIM = 5849.54 PIPE - 30 INV IN (48") = 5839.44 PIPE - 31 INV OUT (48") = 5838.44	N: 6204.53 E: 13481.04
MH - 17	6.33' X 6.33' TYPE I MH WITH 7.57' DROP	RIM = 5841.92 PIPE - 31 INV IN (48") = 5833.14 PIPE - 34 INV IN (30") = 5834.64 PIPE - 32 INV OUT (48") = 5827.07	N: 6014.58 E: 13574.89

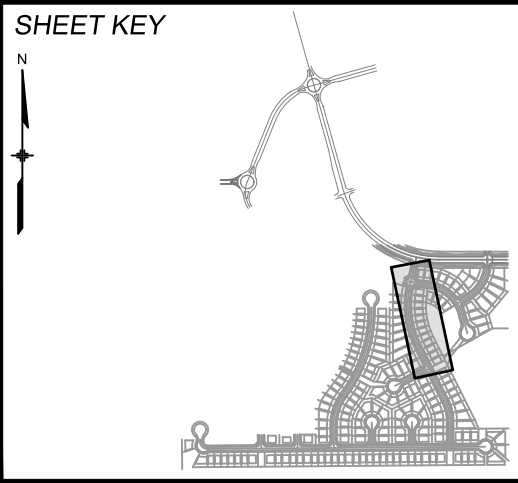
PIPE TABLE				
PIPE NAME	BEARING	LENGTH	SLOPE	SIZE
PIPE - 25	S12°35'09"W	172.5'	1.39%	42" RCP
PIPE - 31	S26°17'39"E	211.9'	2.50%	48" RCP

PIPE TABLE				
PIPE NAME	RADIUS	CHORD LENGTH	LENGTH	SIZE
PIPE - 29	651.52'	225.49'	226.63'	1,500% 48" RCP
PIPE - 30	644.02'	242.64'	244.10'	1,500% 48" RCP

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REFERENCE DRAWINGS			
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COMPUTER FILE MANAGEMENT			
FILE NAME: S:\19.886.011 (Trails at Aspen Ridge - F1)\100 Dwg\104 Plan Sets\Construction Plans\Road & Storm Plans\SD08-09.dwg			
CTB FILE: ---			
PLOT DATE: July 2, 2019 12:32:26 PM			
THIS DRAWING IS CURRENT AS OF PLOT DATE AND MAY BE SUBJECT TO CHANGE.			



**BENCHMARK**  
COLORADO SPRINGS UTILITIES (FIMS) MONUMENT F206  
A BERNTSEN TOP SECURITY MONUMENT SYSTEM WITH A 3.5-INCH DIAMETER ALUMINUM CAP IN A ROAD BOX. LOCATED ON THE NORTHWEST CORNER OF FONTAINE BOULEVARD AND POWERS BOULEVARD.  
ELEVATION - 5897.89' U.S. SURVEY FT

**BASIS OF BEARING**  
BEARINGS ARE BASED ON THE NORTH LINE OF THE NORTHWEST QUARTER OF SECTION 9, TOWNSHIP 15 SOUTH, RANGE 65 WEST OF THE 6TH P.M. SAID LINE BEARS S89°51'23"E FROM THE NORTHWEST CORNER OF SAID SECTION 9 (2 1/2' AULM. CAP PLS 17664) TO THE N 1/4 CORNER OF SAID SECTION 9 (3 1/4' AULM. CAP PLS 10377)



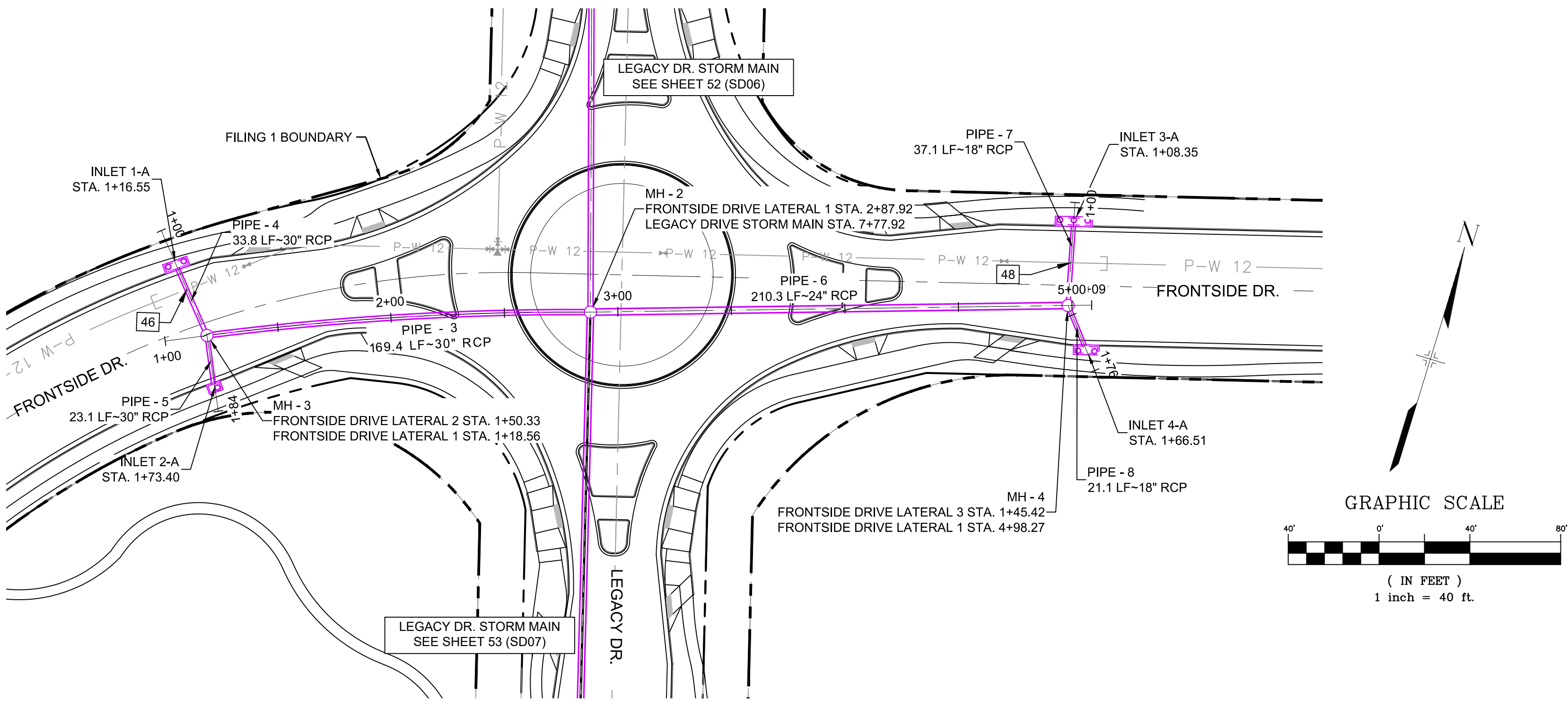
**SEAL**

**PRELIMINARY**  
THIS DRAWING HAS NOT BEEN APPROVED BY GOVERNING AGENCIES AND IS SUBJECT TO CHANGE

FOR AND ON BEHALF OF  
MATRIX DESIGN GROUP, INC.  
PROJECT No. 19.886.011

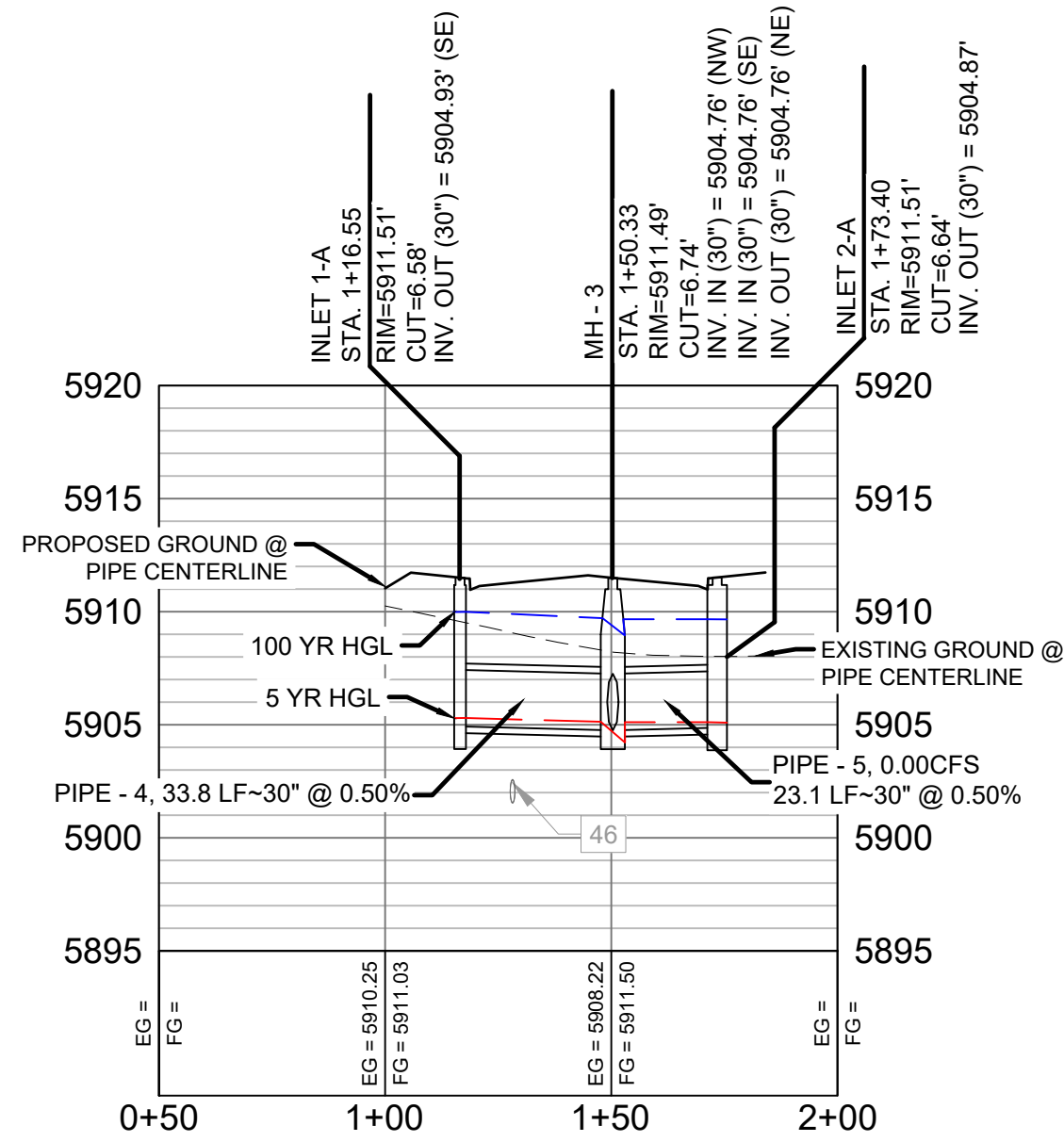
TRAILS AT ASPEN RIDGE			
FILING NO. 1 ROADWAY & STORM IMPROVEMENT PLANS			
STORM DRAIN PLAN & PROFILE			
DESIGNED BY: KMZ	SCALE: 1" = 40'	DATE ISSUED: JULY, 2019	DRAWING No. SD09
DRAWN BY: LCB	HORIZ 1" = 40'		
CHECKED BY: NMS	VERT. 1" = 8'	SHEET 55 OF 71	



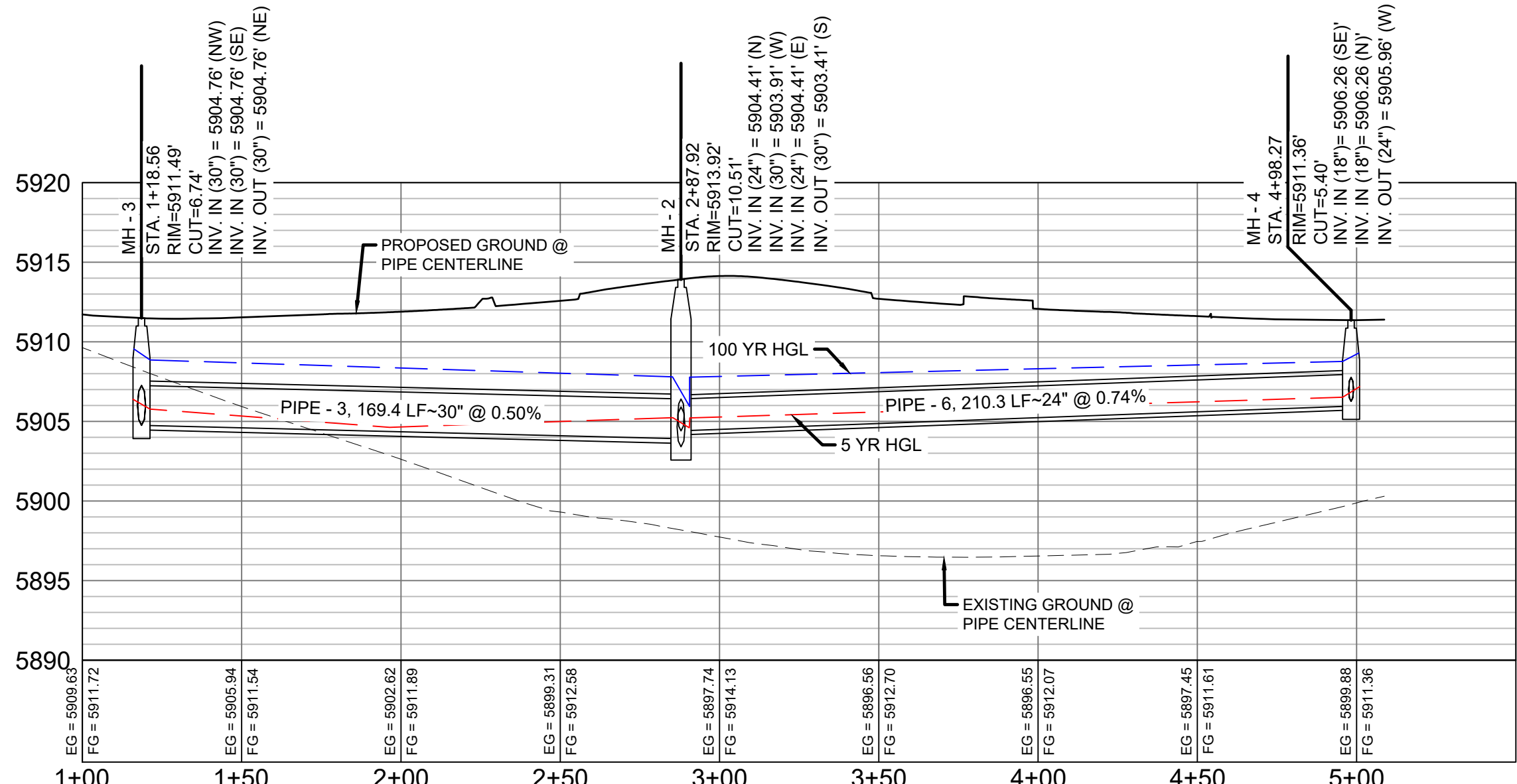


STRUCTURE TABLE			
NAME	TYPE	DETAILS	N & E
INLET 1-A	10' SUMP TYPE R INLET	RIM = 5911.51 PIPE - 4 INV OUT (30") = 5904.93	N: 8095.89 E: 12529.23
INLET 2-A	5' SUMP TYPE R INLET	RIM = 5911.51 PIPE - 5 INV OUT (30") = 5904.87	N: 8049.42 E: 12561.15
INLET 3-A	5' SUMP TYPE R INLET	RIM = 5911.45 PIPE - 7 INV OUT (18") = 5906.45	N: 8229.83 E: 12901.61
INLET 4-A	5' SUMP TYPE R INLET	RIM = 5911.37 PIPE - 8 INV OUT (18") = 5906.37	N: 8177.41 E: 12923.39
MH - 2	6.33' X 6.33' TYPE I MH	RIM = 5913.92 PIPE - 2 INV IN (24") = 5904.41 PIPE - 3 INV IN (30") = 5903.91 PIPE - 6 INV IN (24") = 5904.41 PIPE - 9 INV OUT (30") = 5903.41	N: 8129.44 E: 12709.73
MH - 3	4' TYPE II MH	RIM = 5911.49 PIPE - 4 INV IN (30") = 5904.76 PIPE - 5 INV IN (30") = 5904.76 PIPE - 3 INV OUT (30") = 5904.76	N: 8070.24 E: 12551.19
MH - 4	4' TYPE II MH	RIM = 5911.36 PIPE - 8 INV IN (18") = 5906.26 PIPE - 7 INV IN (18") = 5906.26 PIPE - 6 INV OUT (24") = 5905.96	N: 8193.72 E: 12910.02

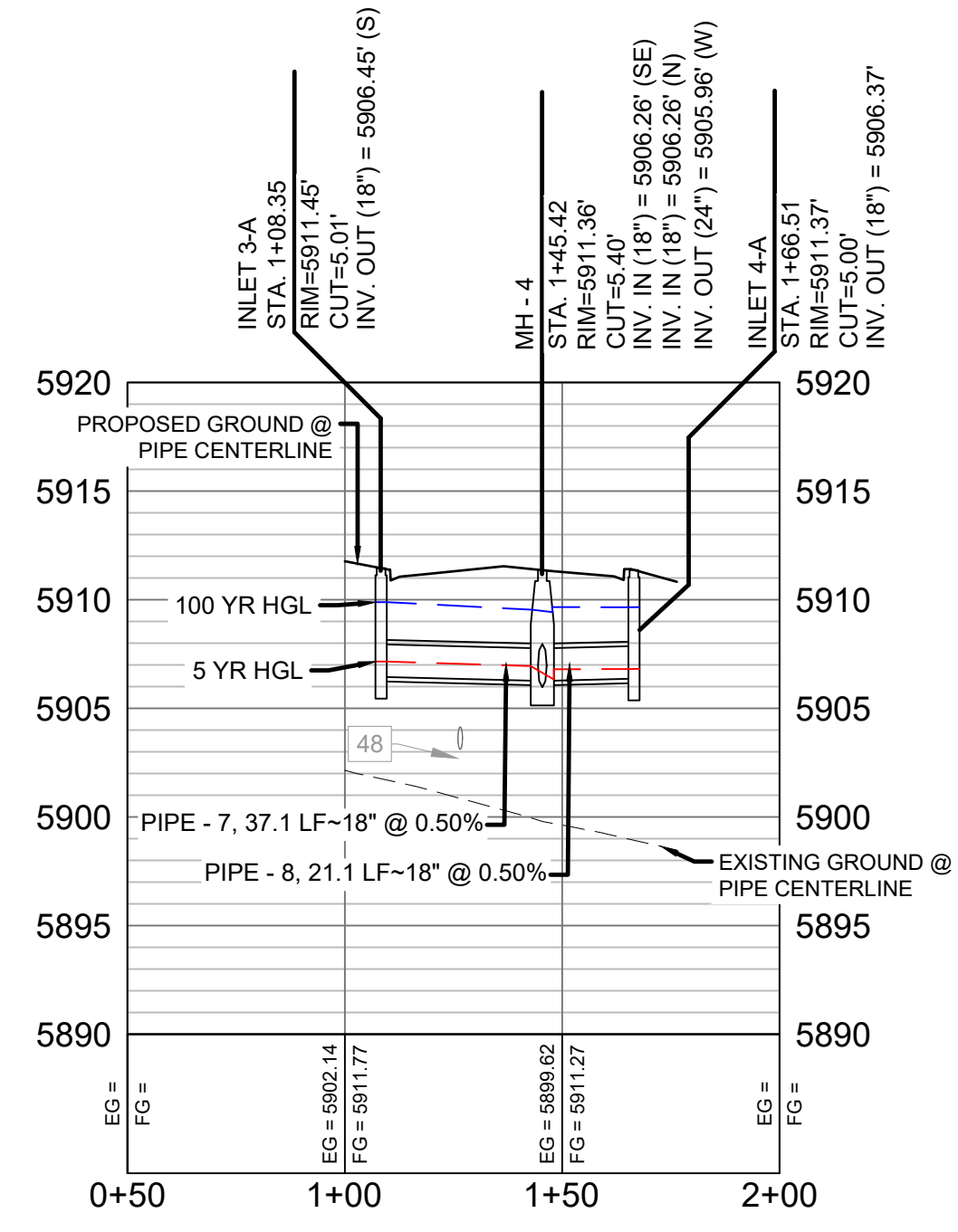
PIPE TABLE				
PIPE NAME	BEARING	LENGTH	SLOPE	SIZE
PIPE - 3	S69°31'23"W	169.4'	0.50%	30" RCP
PIPE - 4	N40°33'21"W	33.8'	0.50%	30" RCP
PIPE - 5	S25°33'54"E	23.1'	0.50%	30" RCP
PIPE - 6	N72°12'21"E	210.3'	0.74%	24" RCP
PIPE - 8	S39°20'17"E	21.1'	0.50%	18" RCP
PIPE - 7	N13°06'38"W	37.1'	0.50%	18" RCP



FRONTSIDE DRIVE LATERAL 2 PROFILE  
HORIZ. SCALE: 1" = 40'  
VERT. SCALE: 1" = 8'



FRONTSIDE DRIVE LATERAL 1 PROFILE  
HORIZ. SCALE: 1" = 40'  
VERT. SCALE: 1" = 8'

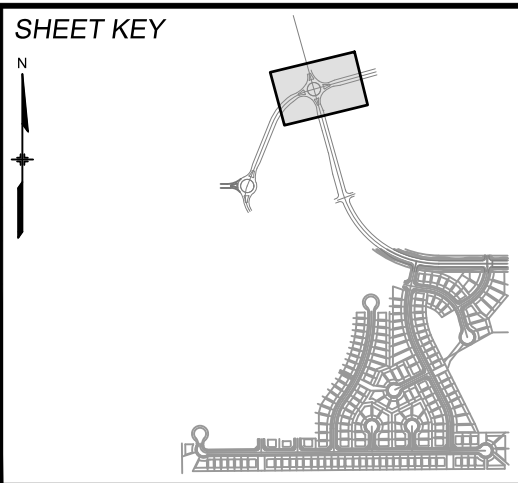


FRONTSIDE DRIVE LATERAL 3 PROFILE  
HORIZ. SCALE: 1" = 40'  
VERT. SCALE: 1" = 8'

UTILITY CROSSING DETAILS				
CROSSING #	N & E	TOP OF PIPE	BTM OF PIPE	SEPARATION
46	N 8,087.07 E 12,536.78	12" PVC WATER 5735.88	30" RCP STORM 5737.88	2.00'
48	N 8,212.11 E 12,905.73	12" PVC WATER 5737.45	18" RCP STORM 5739.45	2.00'

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REFERENCE DRAWINGS			
No.	DATE	DESCRIPTION	BY
COMPUTER FILE MANAGEMENT			
FILE NAME: S:\19.886.011 (Trails at Aspen Ridge - F1)\100 Dwg\104 Plan Sets\Construction Plans\Road & Storm Plans\SD10-11.dwg			
CTB FILE: ----			
PLOT DATE: July 2, 2019 12:35:55 PM			
THIS DRAWING IS CURRENT AS OF PLOT DATE AND MAY BE SUBJECT TO CHANGE.			



BENCHMARK  
COLORADO SPRINGS UTILITIES (FIMS) MONUMENT F206  
A BERNTSEN TOP SECURITY MONUMENT SYSTEM WITH A 3.5-INCH DIAMETER ALUMINUM CAP IN A ROAD BOX. LOCATED ON THE NORTHWEST CORNER OF FONTAINE BOULEVARD AND POWERS BOULEVARD.  
ELEVATION - 5897.89' U.S. SURVEY FT

BASIS OF BEARING  
BEARINGS ARE BASED ON THE NORTH LINE OF THE NORTHWEST QUARTER OF SECTION 9, TOWNSHIP 15 SOUTH, RANGE 65 WEST OF THE 6TH P.M. SAID LINE BEARS S89°51'23"E FROM THE NORTHWEST CORNER OF SAID SECTION 9 (2 1/2' AULM. CAP PLS 17664) TO THE N 1/4 CORNER OF SAID SECTION 9 (3 1/4' AULM. CAP PLS 10377)



SEAL			
<b>PRELIMINARY</b> THIS DRAWING HAS NOT BEEN APPROVED BY GOVERNING AGENCIES AND IS SUBJECT TO CHANGE			
FOR AND ON BEHALF OF MATRIX DESIGN GROUP, INC. PROJECT No. 19.886.011			

TRAILS AT ASPEN RIDGE			
FILING NO. 1 ROADWAY & STORM IMPROVEMENT PLANS			
STORM DRAIN PLAN & PROFILE			
DESIGNED BY: KMZ	SCALE: 1" = 40'	DATE ISSUED: JULY, 2019	DRAWING No. SD10
CHECKED BY: NMS	VERT. 1" = 8'	SHEET 56 OF 71	





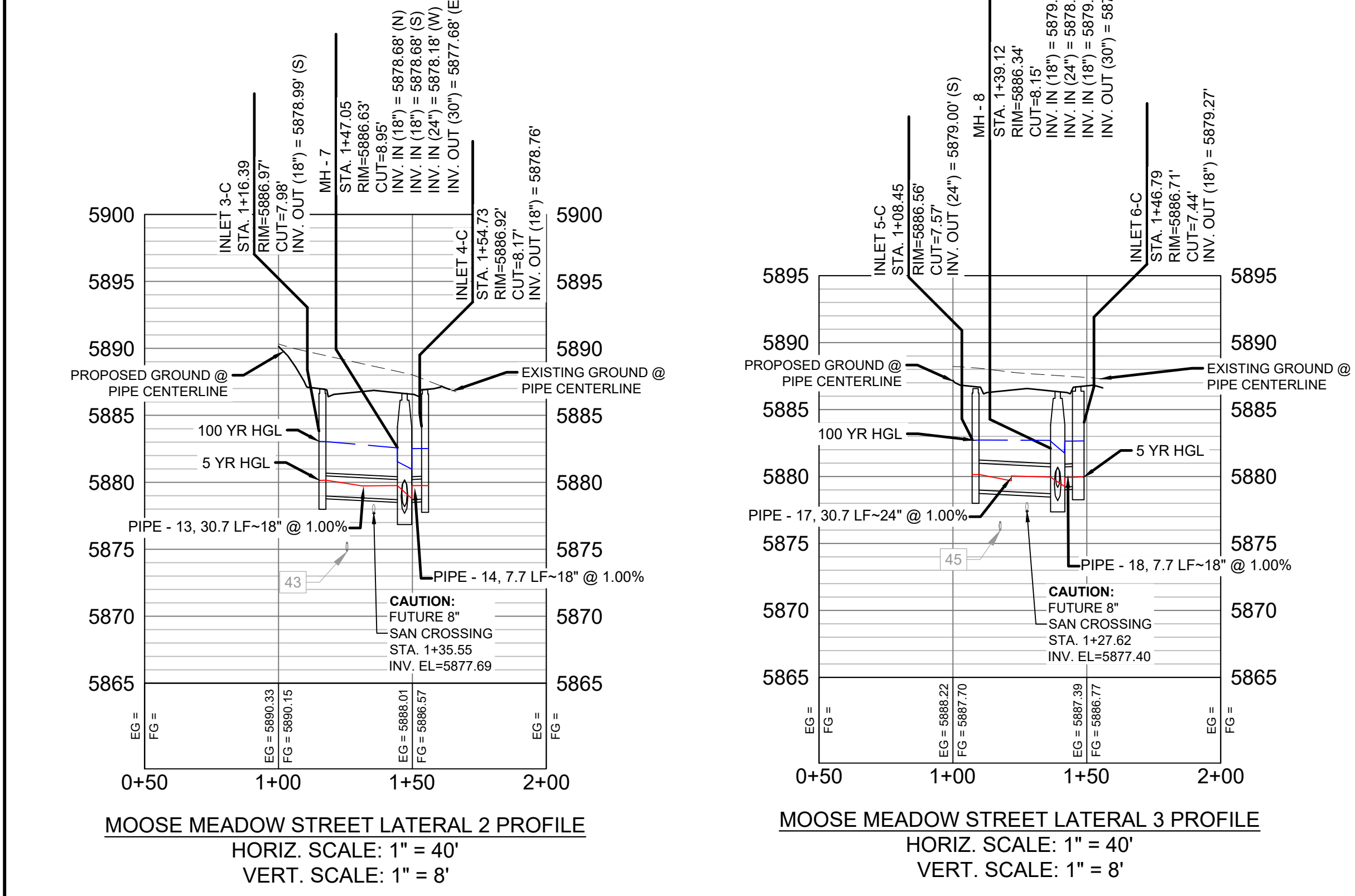
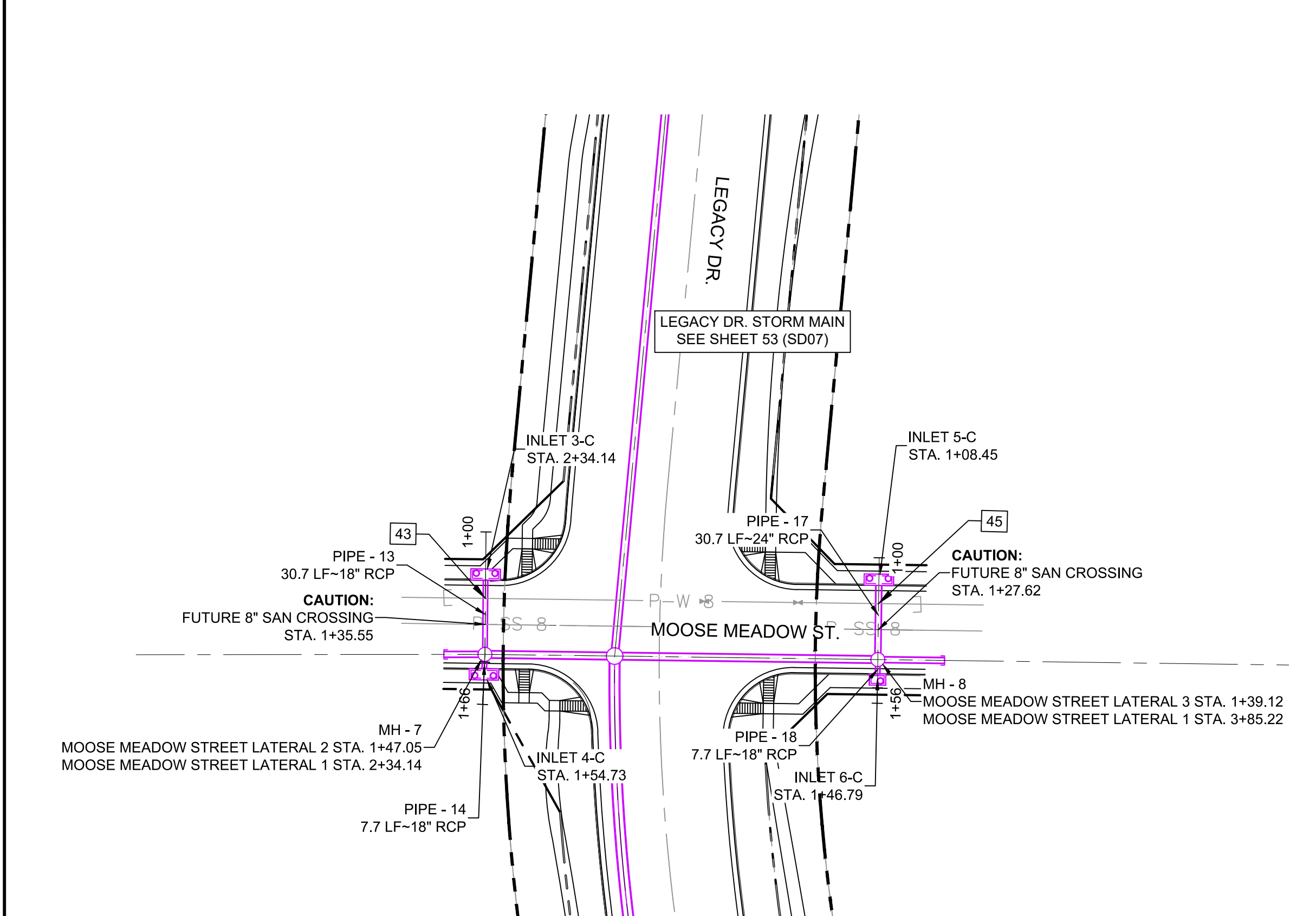
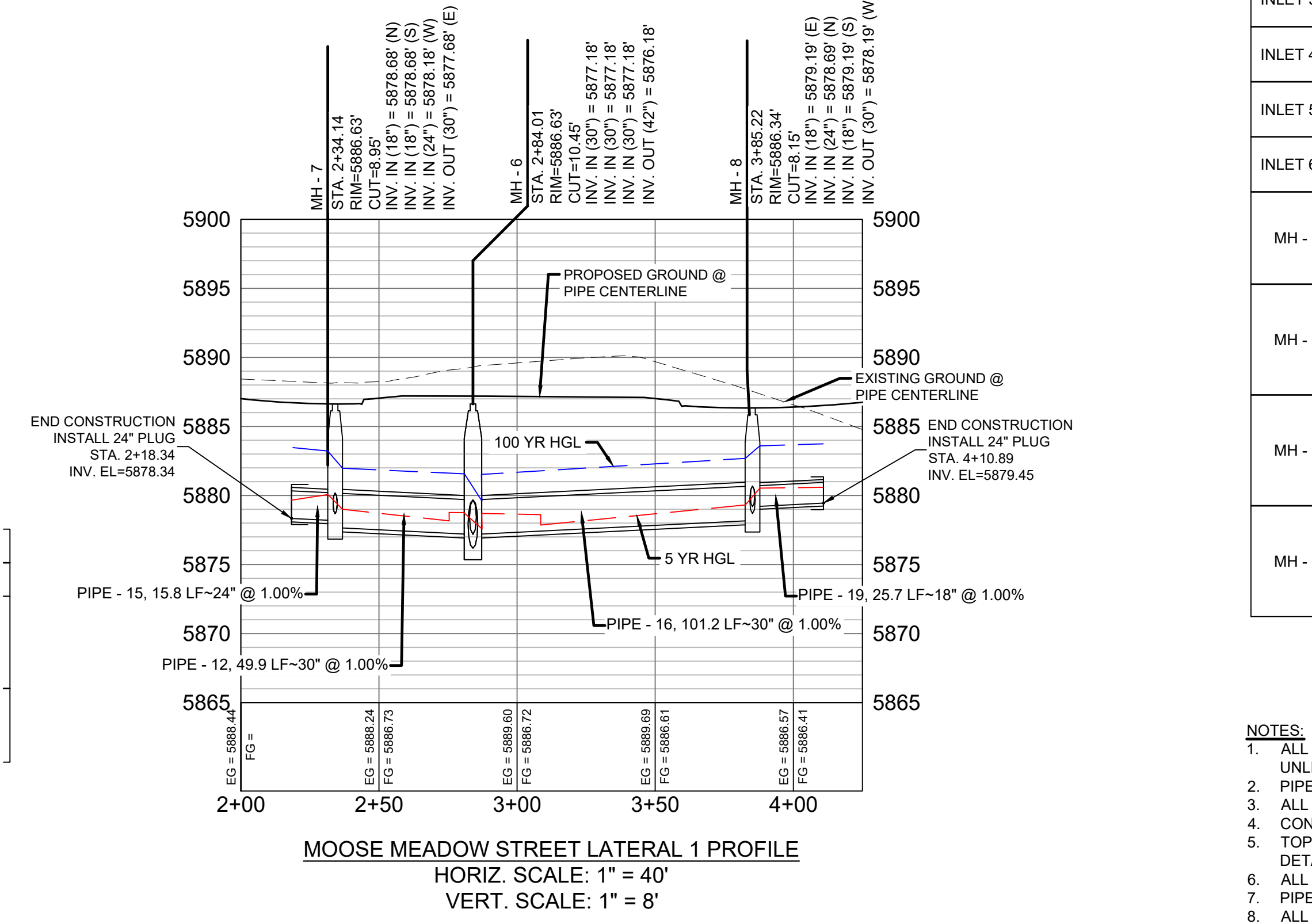
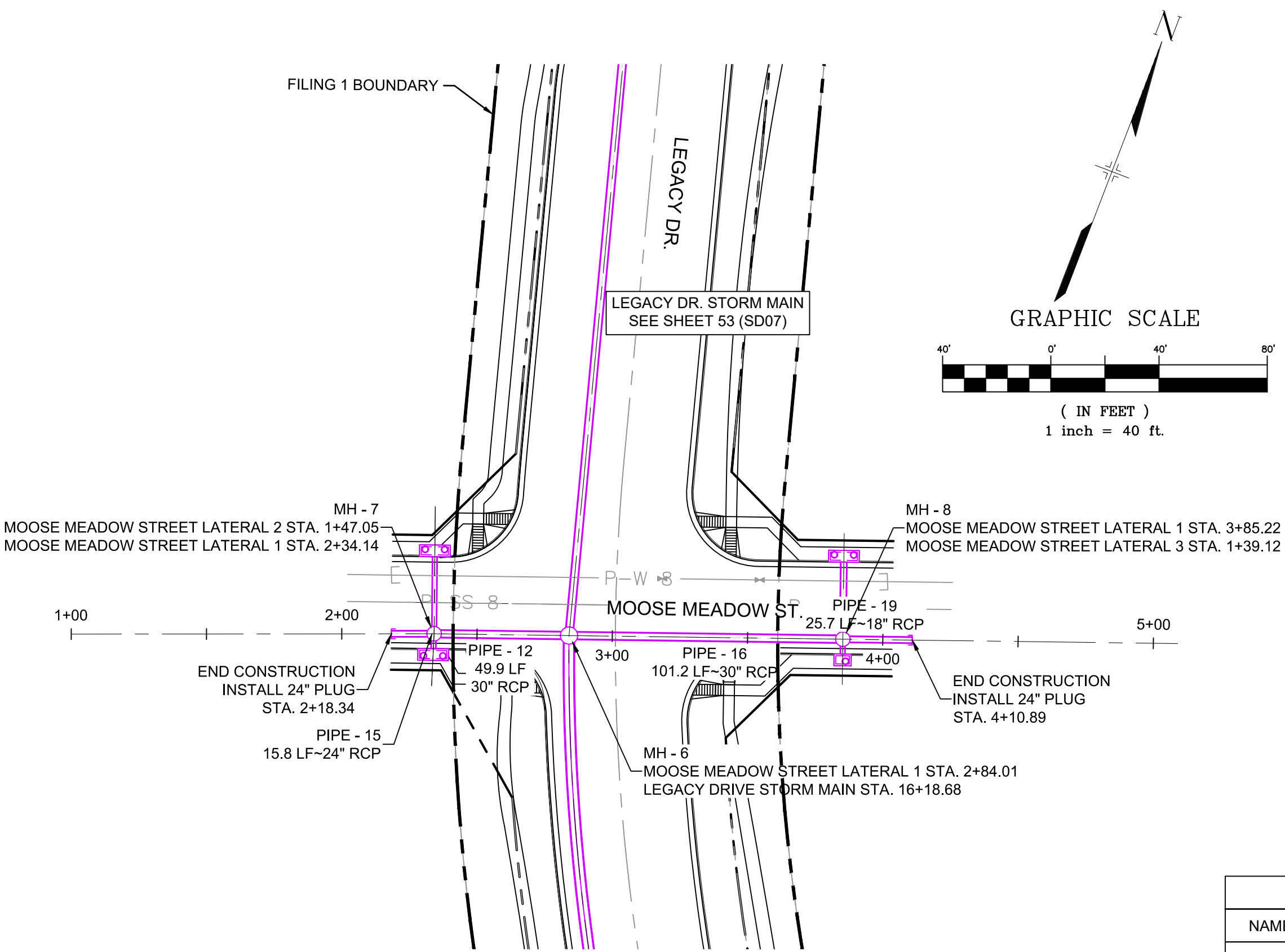
Know what's below.  
Call before you dig.

UTILITY CROSSING DETAILS				
CROSSING #	N & E	TOP OF PIPE	BTM OF PIPE	SEPARATION
43	N 7,322.55	8" PVC WATER	18" RCP STORM	3.15'
	E 12,881.54	5733.39	5736.54	
45	N 7,374.85	8" PVC WATER	24" RCP STORM	2.00'
	E 13,023.39	5734.51	5736.51	

PIPE TABLE				
PIPE NAME	BEARING	LENGTH	SLOPE	SIZE
PIPE - 15	S68°56'14"W	15.8'	1.00%	24" RCP
PIPE - 10	S76°57'39"W	13.8'	2.00%	18" RCP
PIPE - 12	S69°45'49"W	49.9'	1.00%	30" RCP
PIPE - 13	N20°30'26"W	30.7'	1.00%	18" RCP
PIPE - 14	S18°10'43"E	7.7'	1.00%	18" RCP
PIPE - 16	N69°45'35"E	101.2'	1.00%	30" RCP
PIPE - 19	N69°45'39"E	25.7'	1.00%	18" RCP
PIPE - 17	N20°14'21"W	30.7'	1.00%	24" RCP
PIPE - 18	S20°14'21"E	7.7'	1.00%	18" RCP

STRUCTURE TABLE			
NAME	TYPE	DETAILS	N & E
INLET 1-B	10' ON-GRADE TYPE R INLET	RIM = 5900.60 PIPE - 10 INV OUT (18") = 5891.37	N: 7698.52 E: 12815.19
INLET 3-C	10' SUMP TYPE R INLET	RIM = 5886.97 PIPE - 13 INV OUT (18") = 5878.99	N: 7331.13 E: 12878.33
INLET 4-C	10' SUMP TYPE R INLET	RIM = 5886.92 PIPE - 14 INV OUT (18") = 5878.76	N: 7295.12 E: 12891.47
INLET 5-C	10' SUMP TYPE R INLET	RIM = 5886.56 PIPE - 17 INV OUT (24") = 5879.00	N: 7383.45 E: 13020.22
INLET 6-C	5' SUMP TYPE R INLET	RIM = 5886.71 PIPE - 18 INV OUT (18") = 5879.27	N: 7347.48 E: 13033.48
MH - 5	6.33' X 6.33' TYPE I MH	RIM = 5900.42 PIPE - 9 INV IN (30") = 5890.09 PIPE - 10 INV IN (18") = 5891.09 PIPE - 11 INV OUT (30") = 5889.09	N: 7701.64 E: 12828.66
MH - 6	6.33' X 6.33' TYPE I 1' DROP MH	RIM = 5886.63 PIPE - 11 INV IN (30") = 5877.18 PIPE - 12 INV IN (30") = 5877.18 PIPE - 16 INV IN (30") = 5877.18 PIPE - 20 INV OUT (42") = 5876.18	N: 7319.66 E: 12935.87
MH - 7	4' TYPE II 1' DROP MH	RIM = 5886.63 PIPE - 13 INV IN (18") = 5878.68 PIPE - 14 INV IN (18") = 5878.68 PIPE - 15 INV IN (24") = 5878.18 PIPE - 12 INV OUT (30") = 5877.68	N: 7302.41 E: 12899.08
MH - 8	4' TYPE II MH	RIM = 5886.34 PIPE - 19 INV IN (18") = 5879.19 PIPE - 17 INV IN (24") = 5878.69 PIPE - 18 INV IN (18") = 5879.19 PIPE - 16 INV OUT (30") = 5878.19	N: 7354.68 E: 13030.83

- NOTES:
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  - PIPE LENGTHS ARE MEASURED FROM CENTER TO CENTER OF ALL STRUCTURES.
  - ALL PIPE BENDS ANGLES ARE MEASURED FROM THE CENTER OF PIPE.
  - CONTRACTOR TO FIELD VERIFY HORIZONTAL AND VERTICAL LOCATION OF EXISTING STRUCTURES.
  - TOP OF BOX ELEVATIONS GIVEN FOR CDDT TYPE R INLETS REFER TO THE COUNTY STANDARD DETAIL FOR CORRESPONDING DESIGN ELEVATIONS.
  - ALL RCP PIPE SHALL BE CLASS III UNLESS OTHERWISE NOTED.
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  - ALL TYPE C INLETS ARE TO COLORADO DEPARTMENT OF TRANSPORTATION STANDARD TYPE M-604-10.
  - PER THE EL PASO COUNTY ENGINEERING CRITERIA MANUAL, MANHOLES SHALL BE INSTALLED 1/8" BELOW THE SURFACE OF THE PAVEMENT ON THE LOWEST SIDE OF THE MANHOLE."



REFERENCE DRAWINGS

No.	DATE	DESCRIPTION	BY		
COMPUTER FILE MANAGEMENT					
FILE NAME: S:\19.886.011 (Trails at Aspen Ridge - F1)\100 Dwg\104 Plan Sets\Construction Plans\Road & Storm Plans\SD10-11.dwg					
CTB FILE: ---					
PLOT DATE: July 2, 2019 12:36:27 PM					
THIS DRAWING IS CURRENT AS OF PLOT DATE AND MAY BE SUBJECT TO CHANGE.					

SHEET KEY

BENCHMARK

COLORADO SPRINGS UTILITIES (FIMS) MONUMENT F206  
A BERNTSEN TOP SECURITY MONUMENT SYSTEM WITH A 3.5-INCH DIAMETER ALUMINUM CAP IN A ROAD BOX, LOCATED ON THE NORTHWEST CORNER OF FONTAINE BOULEVARD AND POWERS BOULEVARD.  
ELEVATION - 5897.89' U.S. SURVEY FT

BASIS OF BEARING

BEARINGS ARE BASED ON THE NORTH LINE OF THE NORTHWEST QUARTER OF SECTION 9, TOWNSHIP 15 SOUTH, RANGE 65 WEST OF THE 6TH P.M. SAID LINE BEARS S89°51'23"E FROM THE NORTHWEST CORNER OF SAID SECTION 9 (2 1/2" AULM. CAP PLS 17664) TO THE N 1/4 CORNER OF SAID SECTION 9 (3 1/4" AULM. CAP PLS 10377)

PREPARED BY:

SEAL

PRELIMINARY  
THIS DRAWING HAS NOT BEEN APPROVED BY GOVERNING AGENCIES AND IS SUBJECT TO CHANGE

FOR AND ON BEHALF OF  
MATRIX DESIGN GROUP, INC.  
PROJECT No. 19.886.011

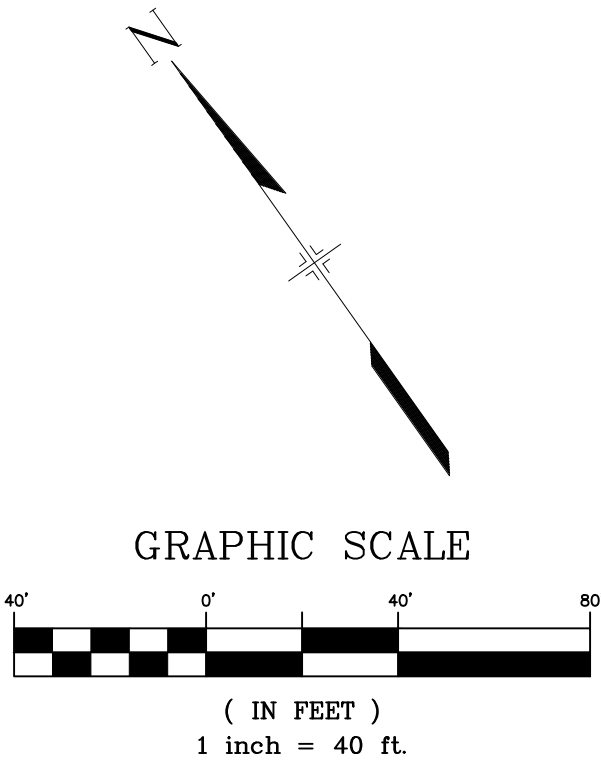
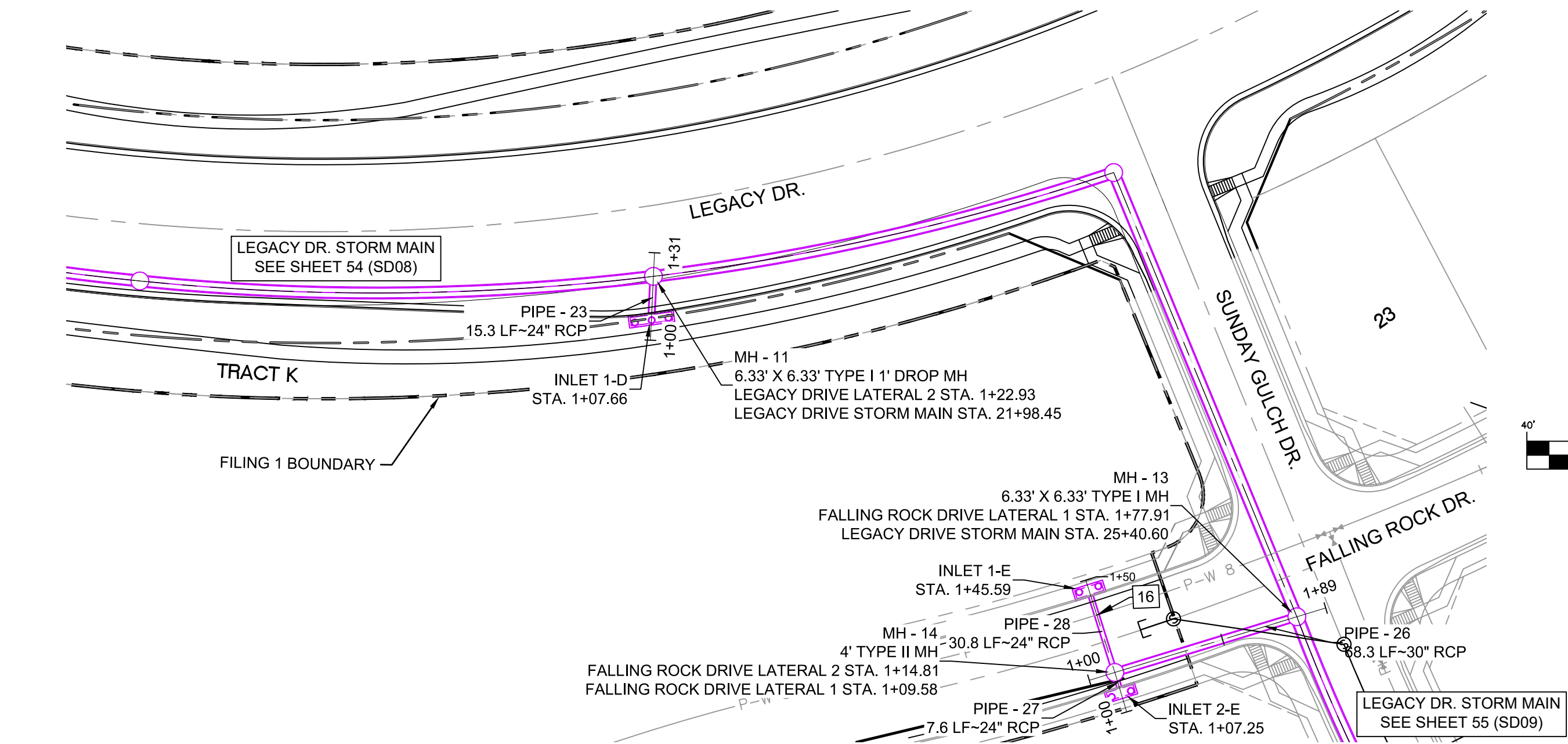
DESIGNED BY:	KMZ	SCALE	HORIZ 1" = 40'	DATE ISSUED:	JULY, 2019	DRAWING No.	SD11
CHECKED BY:	NMS	VERT.	1" = 8'	SHEET	57 OF 71		

TRAILS AT ASPEN RIDGE

FILING NO. 1  
ROADWAY & STORM IMPROVEMENT PLANS

STORM DRAIN PLAN & PROFILE

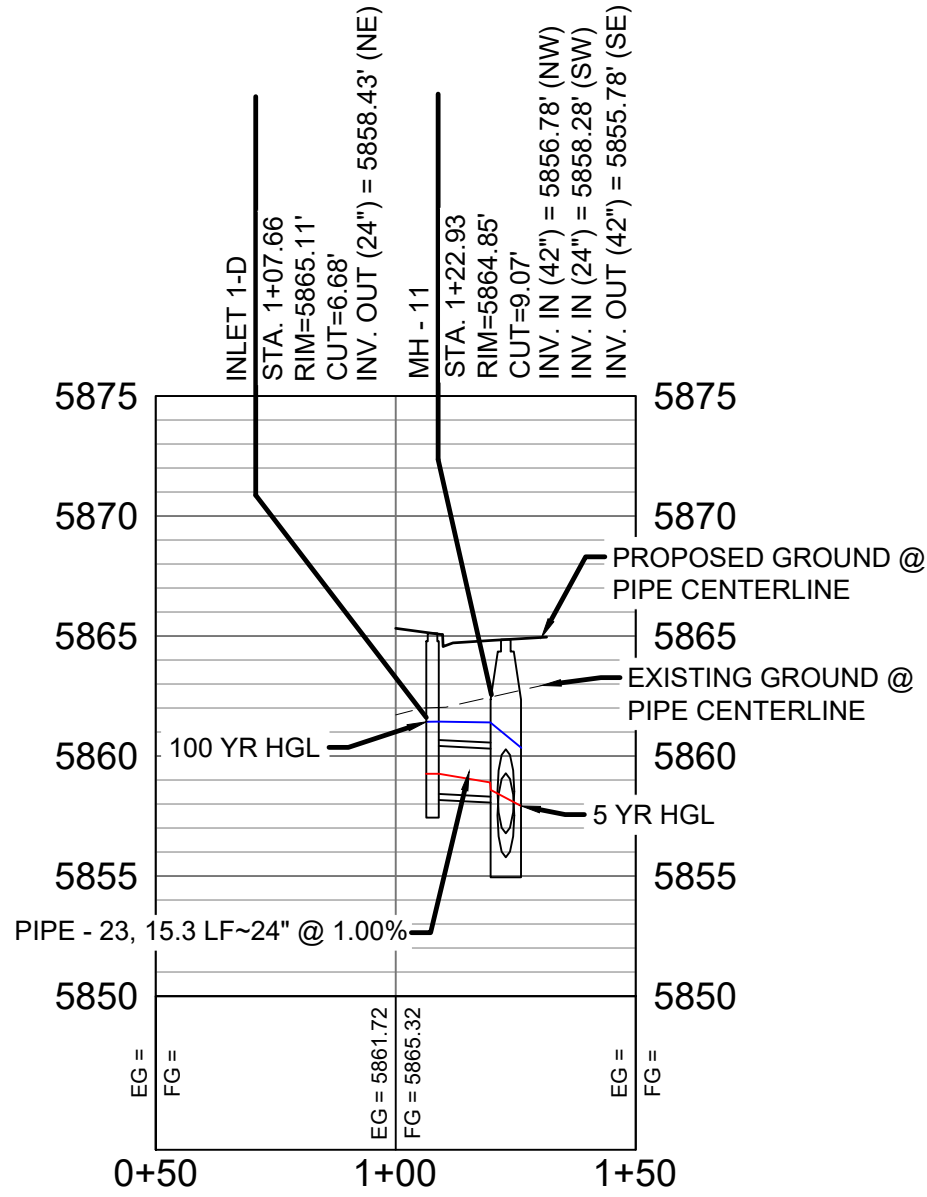




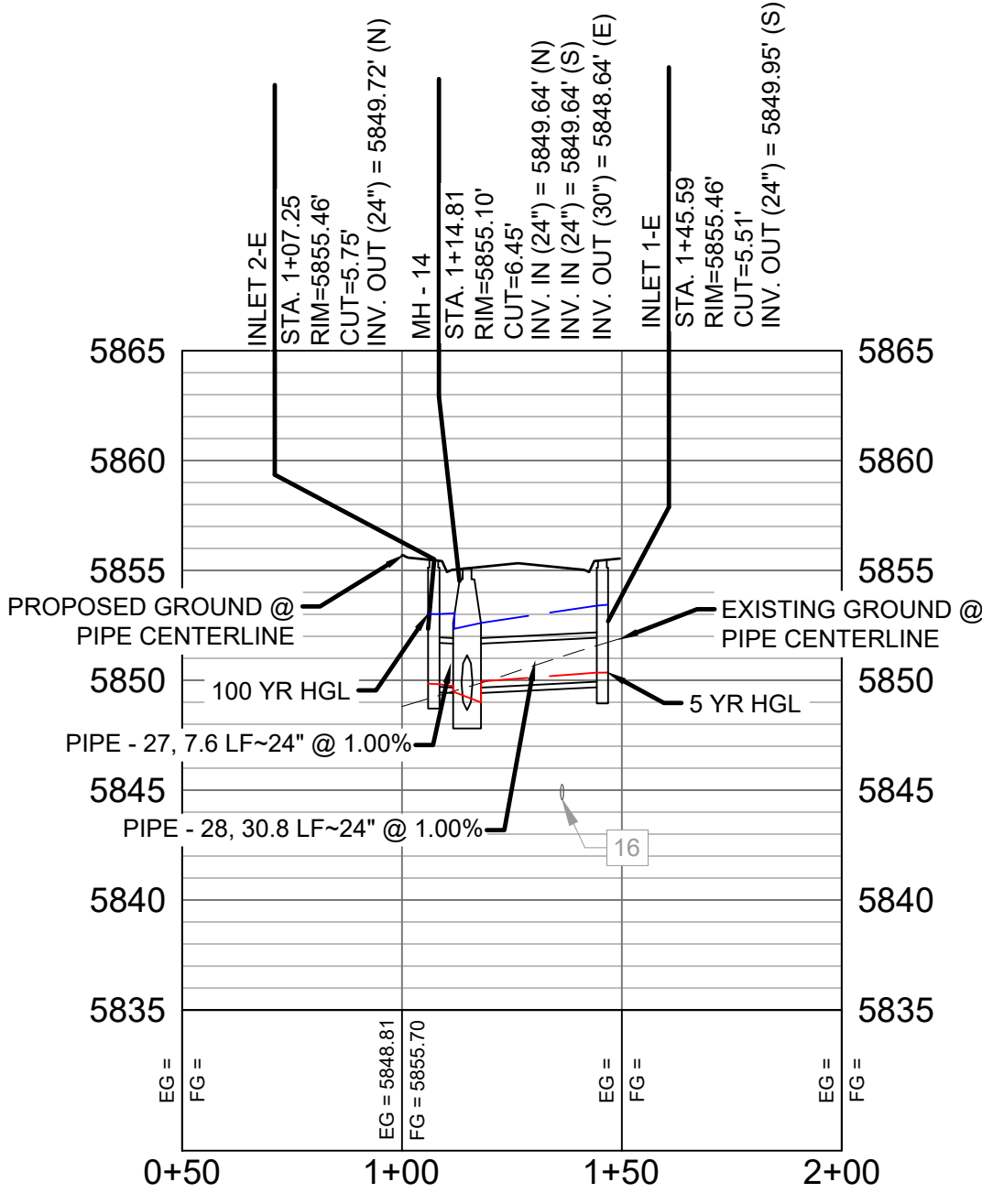
UTILITY CROSSING DETAILS				
CROSSING #	N & E	TOP OF PIPE	BTM OF PIPE	SEPARATION
16	N 6,703.91 E 13,372.42	8" PVC WATER 5845.27	24" RCP STORM 5849.65	4.38'

PIPE TABLE				
PIPE NAME	BEARING	LENGTH	SLOPE	SIZE
PIPE - 23	S37°42'09"W	15.3'	1.00%	24" RCP
PIPE - 27	S18°20'37"W	7.6'	1.00%	24" RCP
PIPE - 26	N71°59'55"W	68.3'	0.50%	30" RCP
PIPE - 28	N17°33'46"E	30.8'	1.00%	24" RCP

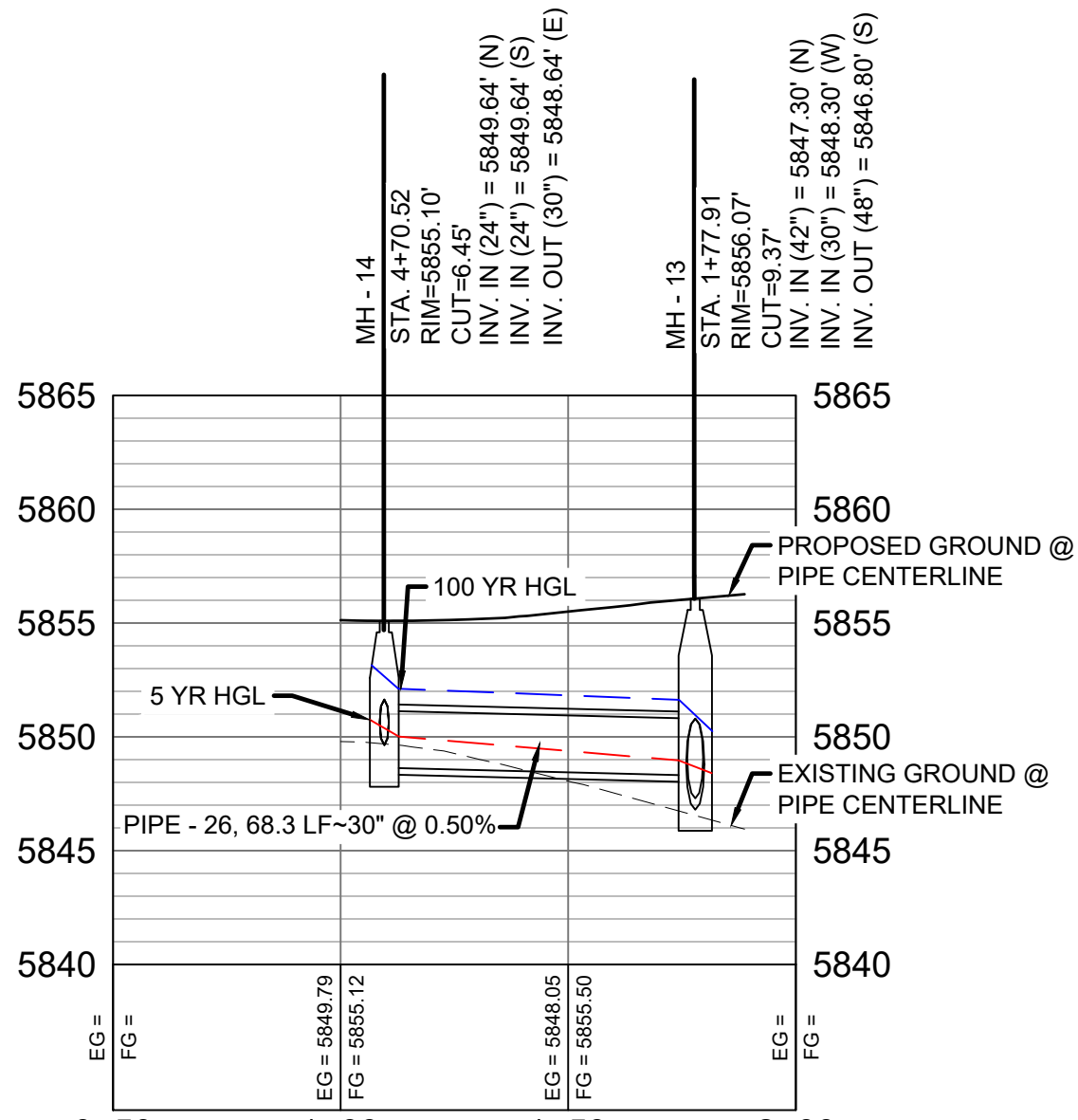
STRUCTURE TABLE			
NAME	TYPE	DETAILS	N & E
INLET 1-D	15' ON-GRADE TYPE R INLET	RIM = 5865.11 PIPE - 23 INV OUT (24") = 5858.43	N: 6882.78 E: 13302.14
INLET 1-E	10' SUMP TYPE R INLET	RIM = 5855.46 PIPE - 28 INV OUT (24") = 5849.95	N: 6712.74 E: 13374.91
INLET 2-E	10' SUMP TYPE R INLET	RIM = 5855.46 PIPE - 27 INV OUT (24") = 5849.72	N: 6676.22 E: 13363.24
MH - 11	6.33' X 6.33' TYPE I 1' DROP MH	RIM = 5864.85 PIPE - 22 INV IN (42") = 5856.78 PIPE - 23 INV IN (24") = 5858.28 PIPE - 24 INV OUT (42") = 5855.78	N: 6894.86 E: 13311.48
MH - 13	6.33' X 6.33' TYPE I MH	RIM = 5856.07 PIPE - 25 INV IN (42") = 5847.30 PIPE - 26 INV IN (30") = 5848.30 PIPE - 29 INV OUT (48") = 5846.80	N: 6662.28 E: 13430.61
MH - 14	4' TYPE II MH	RIM = 5855.10 PIPE - 28 INV IN (24") = 5849.64 PIPE - 27 INV IN (24") = 5849.64 PIPE - 26 INV OUT (30") = 5848.64	N: 6683.40 E: 13365.62



LEGACY DRIVE LATERAL 2 PROFILE  
HORIZ. SCALE: 1" = 40'  
VERT. SCALE: 1" = 8'



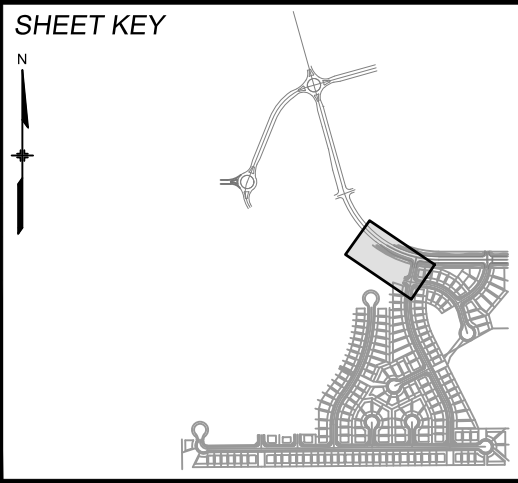
FALLING ROCK DRIVE LATERAL 2 PROFILE  
HORIZ. SCALE: 1" = 40'  
VERT. SCALE: 1" = 8'



FALLING ROCK DRIVE LATERAL 1 PROFILE  
HORIZ. SCALE: 1" = 40'  
VERT. SCALE: 1" = 8'

- NOTES:
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  - PIPE LENGTHS ARE MEASURED FROM CENTER TO CENTER OF ALL STRUCTURES.
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  - CONTRACTOR TO FIELD VERIFY HORIZONTAL AND VERTICAL LOCATION OF EXISTING STRUCTURES.
  - TOP OF BOX ELEVATIONS GIVEN FOR CDOT TYPE R INLETS REFER TO THE COUNTY STANDARD DETAIL FOR CORRESPONDING DESIGN ELEVATIONS.
  - ALL RCP PIPE SHALL BE CLASS III UNLESS OTHERWISE NOTED.
  - PIPES OF DIFFERENT SIZES ARE TO BE MATCHED TO THE CROWN OF THE INSIDE WALL OF PIPE.
  - ALL TYPE C INLETS ARE TO COLORADO DEPARTMENT OF TRANSPORTATION STANDARD TYPE M-604-10.
  - PER THE EL PASO COUNTY ENGINEERING CRITERIA MANUAL, MANHOLES SHALL BE INSTALLED 1/8" BELOW THE SURFACE OF THE PAVEMENT ON THE LOWEST SIDE OF THE MANHOLE."

REFERENCE DRAWINGS			
No.	DATE	DESCRIPTION	BY
COMPUTER FILE MANAGEMENT			
FILE NAME: S:\19.886.011 (Trails at Aspen Ridge - F1)\100 Dwg\104 Plan Sets\Construction Plans\Road & Storm Plans\SD12.dwg			
CTB FILE: ----			
PLOT DATE: July 2, 2019 12:39:29 PM			
THIS DRAWING IS CURRENT AS OF PLOT DATE AND MAY BE SUBJECT TO CHANGE.			



**BENCHMARK**  
COLORADO SPRINGS UTILITIES (FIMS) MONUMENT F206  
A BERNTSEN TOP SECURITY MONUMENT SYSTEM WITH A 3.5-INCH DIAMETER ALUMINUM CAP IN A ROAD BOX, LOCATED ON THE NORTHWEST CORNER OF FONTAINE BOULEVARD AND POWERS BOULEVARD.  
ELEVATION - 5897.89' U.S. SURVEY FT

**BASIS OF BEARING**  
BEARINGS ARE BASED ON THE NORTH LINE OF THE NORTHWEST QUARTER OF SECTION 9, TOWNSHIP 15 SOUTH, RANGE 65 WEST OF THE 6TH P.M. SAID LINE BEARS S89°51'23"E FROM THE NORTHWEST CORNER OF SAID SECTION 9 (2 1/2" AULM. CAP PLS 17664) TO THE N 1/4 CORNER OF SAID SECTION 9 (3 1/4" AULM. CAP PLS 10377)



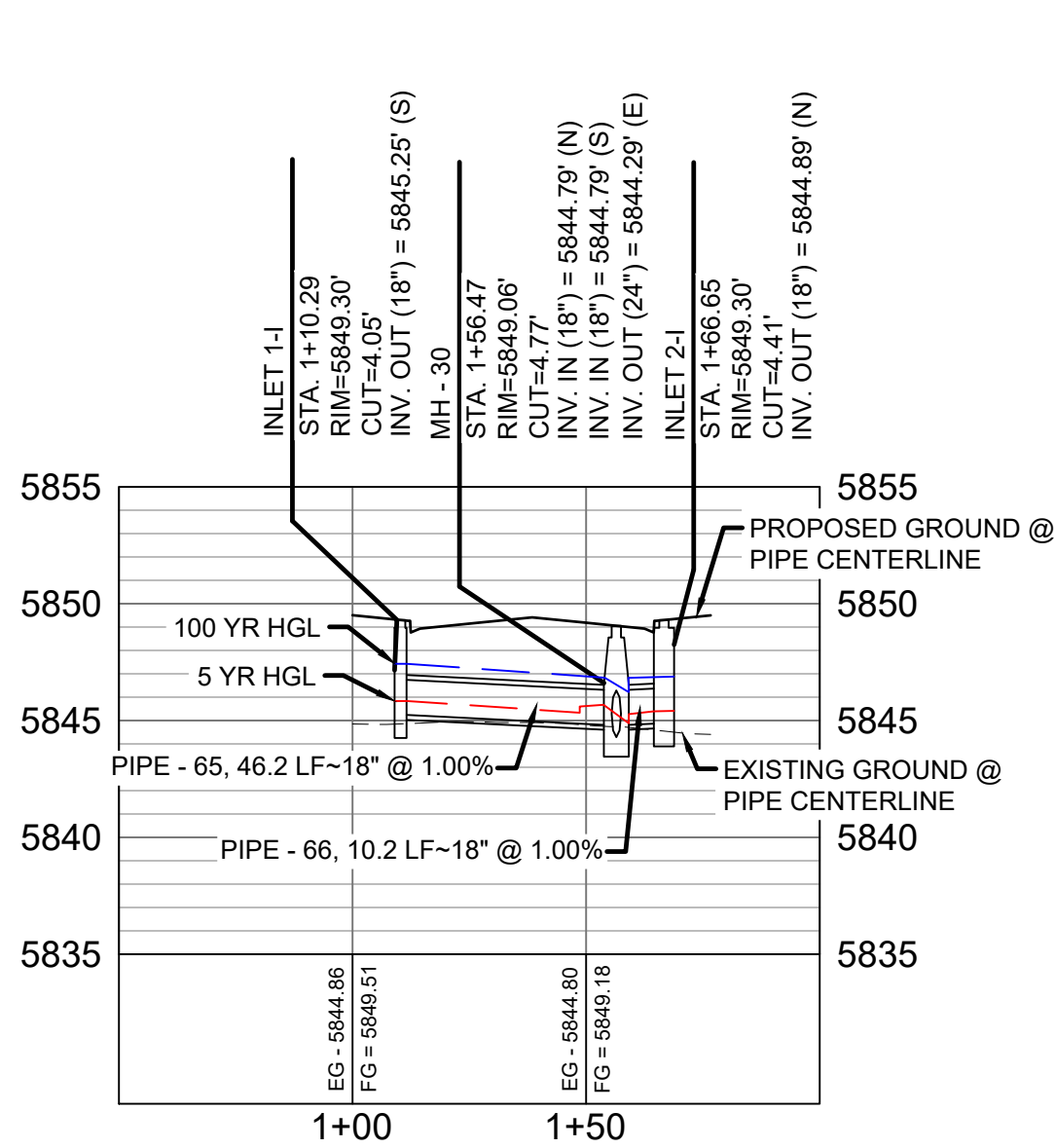
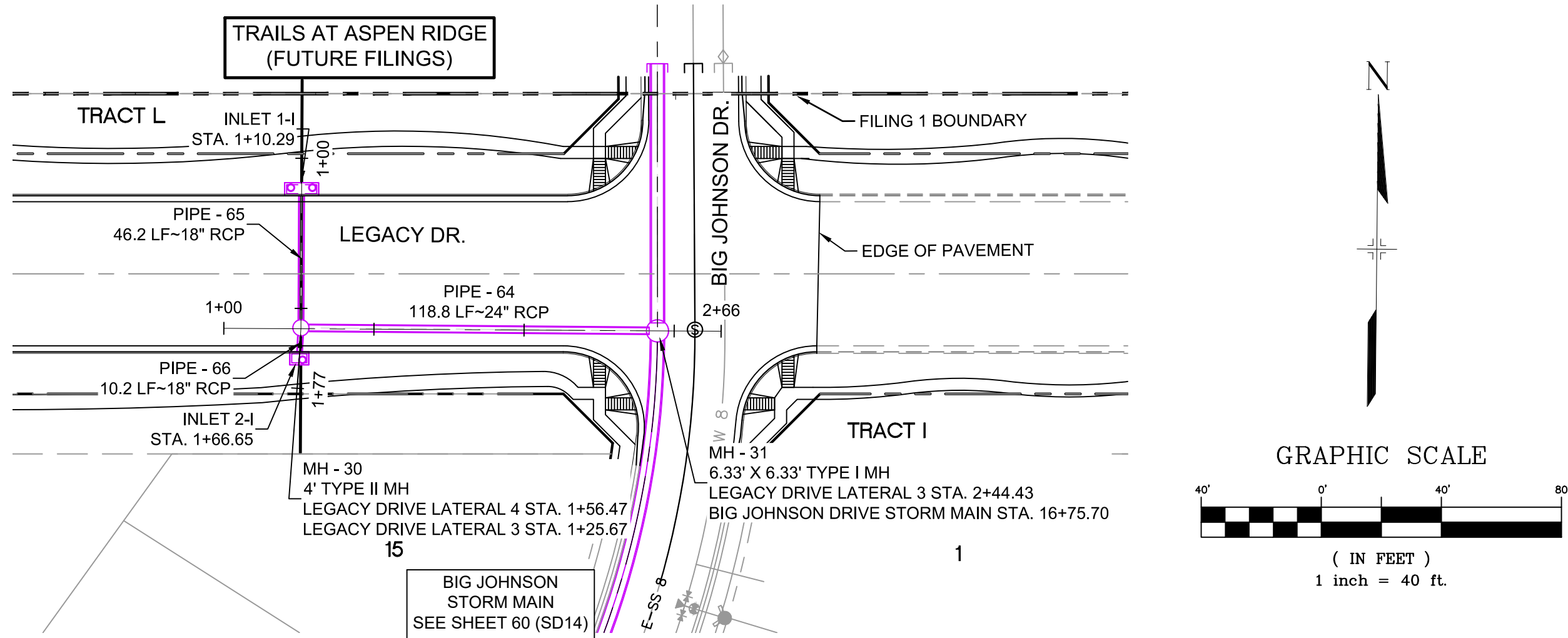
**SEAL**

**PRELIMINARY**  
THIS DRAWING HAS NOT BEEN APPROVED BY GOVERNING AGENCIES AND IS SUBJECT TO CHANGE

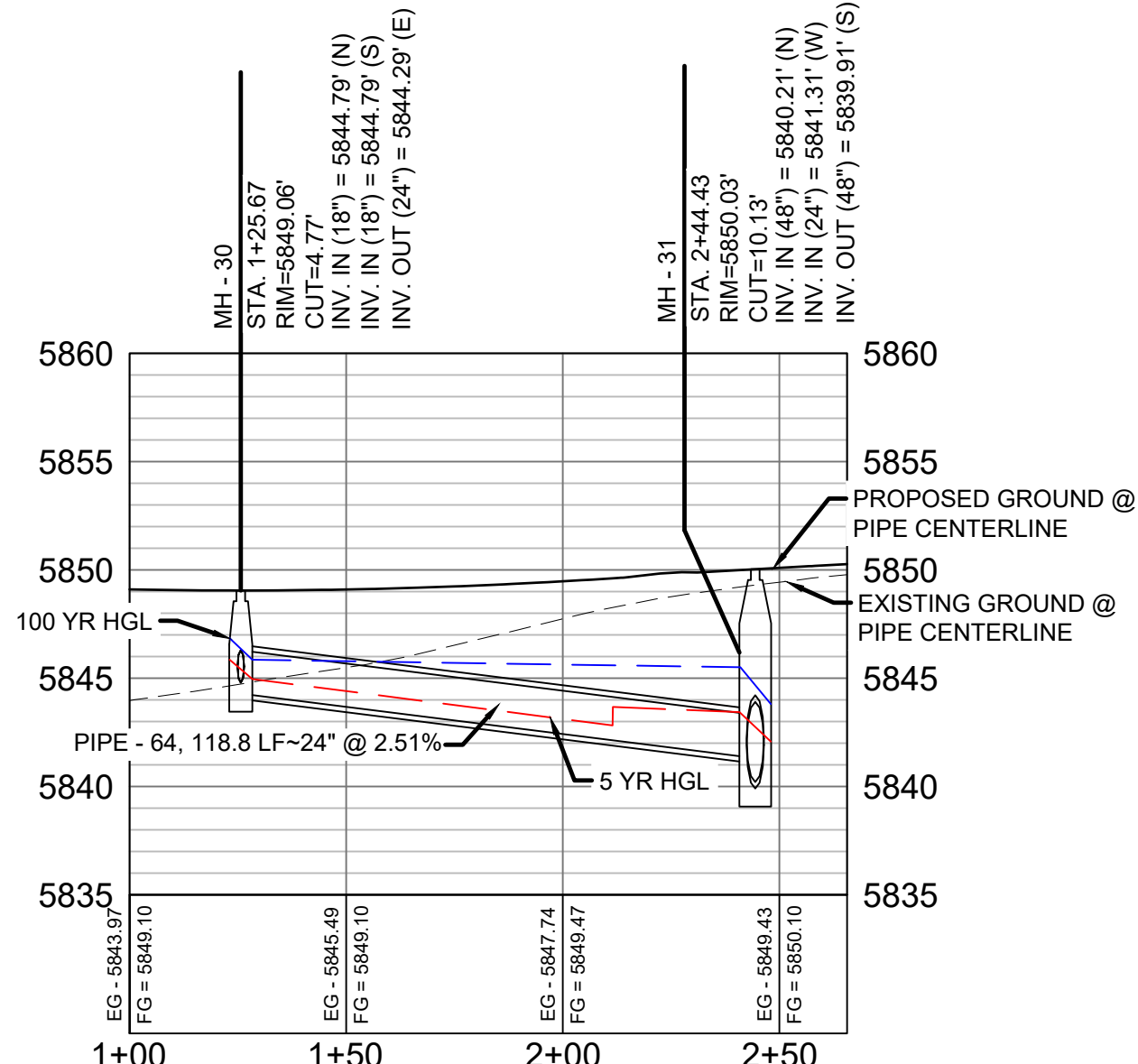
FOR AND ON BEHALF OF  
MATRIX DESIGN GROUP, INC.  
PROJECT No. 19.886.011

TRAILS AT ASPEN RIDGE			
FILING NO. 1 ROADWAY & STORM IMPROVEMENT PLANS			
STORM DRAIN PLAN & PROFILE			
DESIGNED BY: KMZ	SCALE: 1" = 40'	DATE ISSUED: JULY, 2019	DRAWING No. SD12
DRAWN BY: LCB	HORIZ. 1" = 40'		
CHECKED BY: NMS	VERT. 1" = 8'	SHEET 58 OF 71	





LEGACY DRIVE LATERAL 4 PROFILE  
HORIZ. SCALE: 1" = 40'  
VERT. SCALE: 1" = 8'



LEGACY DRIVE LATERAL 3 PROFILE  
HORIZ. SCALE: 1" = 40'  
VERT. SCALE: 1" = 8'

STRUCTURE TABLE			
NAME	TYPE	DETAILS	N & E
INLET 1-1	10' SUMP TYPE R INLET	RIM = 5849.30 PIPE - 65 INV OUT (18") = 5845.25	N: 6868.66 E: 13884.96
INLET 2-1	5' SUMP TYPE R INLET	RIM = 5849.30 PIPE - 66 INV OUT (18") = 5844.89	N: 6812.31 E: 13884.17
MH - 30	4' TYPE II MH	RIM = 5849.06 PIPE - 65 INV IN (18") = 5844.79 PIPE - 66 INV IN (18") = 5844.79 PIPE - 64 INV OUT (24") = 5844.29	N: 6822.48 E: 13884.73
MH - 31	6.33' X 6.33' TYPE I MH	RIM = 5850.03 PIPE - 63 INV IN (48") = 5840.21 PIPE - 64 INV IN (24") = 5841.31 PIPE - 67 INV OUT (48") = 5839.91	N: 6821.46 E: 14003.48

PIPE TABLE				
PIPE NAME	BEARING	LENGTH	SLOPE	SIZE
PIPE - 64	N89°30'31"W	118.8'	2.51%	24" RCP
PIPE - 65	N00°16'54"E	46.2'	1.00%	18" RCP
PIPE - 66	S03°09'19"W	10.2'	1.00%	18" RCP

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  - ALL TYPE C INLETS ARE TO COLORADO DEPARTMENT OF TRANSPORTATION STANDARD TYPE M-604-10.
  - PER THE EL PASO COUNTY ENGINEERING CRITERIA MANUAL, MANHOLES SHALL BE INSTALLED 1/8" BELOW THE SURFACE OF THE PAVEMENT ON THE LOWEST SIDE OF THE MANHOLE."

REFERENCE DRAWINGS

No.	DATE	DESCRIPTION	BY
COMPUTER FILE MANAGEMENT			
FILE NAME: S:\19.886.011 (Trails at Aspen Ridge - F1)\100 Dwg\104 Plan Sets\Construction Plans\Road & Storm Plans\SD13-14.dwg			
CTB FILE: ----			
PLOT DATE: July 2, 2019 12:42:10 PM			
THIS DRAWING IS CURRENT AS OF PLOT DATE AND MAY BE SUBJECT TO CHANGE.			

SHEET KEY

BENCHMARK

COLORADO SPRINGS UTILITIES (FIMS) MONUMENT F206  
A BERNTSEN TOP SECURITY MONUMENT SYSTEM WITH A 3.5-INCH DIAMETER ALUMINUM CAP IN A ROAD BOX, LOCATED ON THE NORTHWEST CORNER OF FONTAINE BOULEVARD AND POWERS BOULEVARD.  
ELEVATION - 5897.89' U.S. SURVEY FT

BASIS OF BEARING

BEARINGS ARE BASED ON THE NORTH LINE OF THE NORTHWEST QUARTER OF SECTION 9, TOWNSHIP 15 SOUTH, RANGE 65 WEST OF THE 6TH P.M. SAID LINE BEARS S89°51'23"E FROM THE NORTHWEST CORNER OF SAID SECTION 9 (2 1/2" AULM. CAP PLS 17664) TO THE N 1/4 CORNER OF SAID SECTION 9 (3 1/4" AULM. CAP PLS 10377)

SEAL

PRELIMINARY  
THIS DRAWING HAS NOT BEEN APPROVED BY GOVERNING AGENCIES AND IS SUBJECT TO CHANGE

FOR AND ON BEHALF OF  
MATRIX DESIGN GROUP, INC.  
PROJECT No. 19.886.011

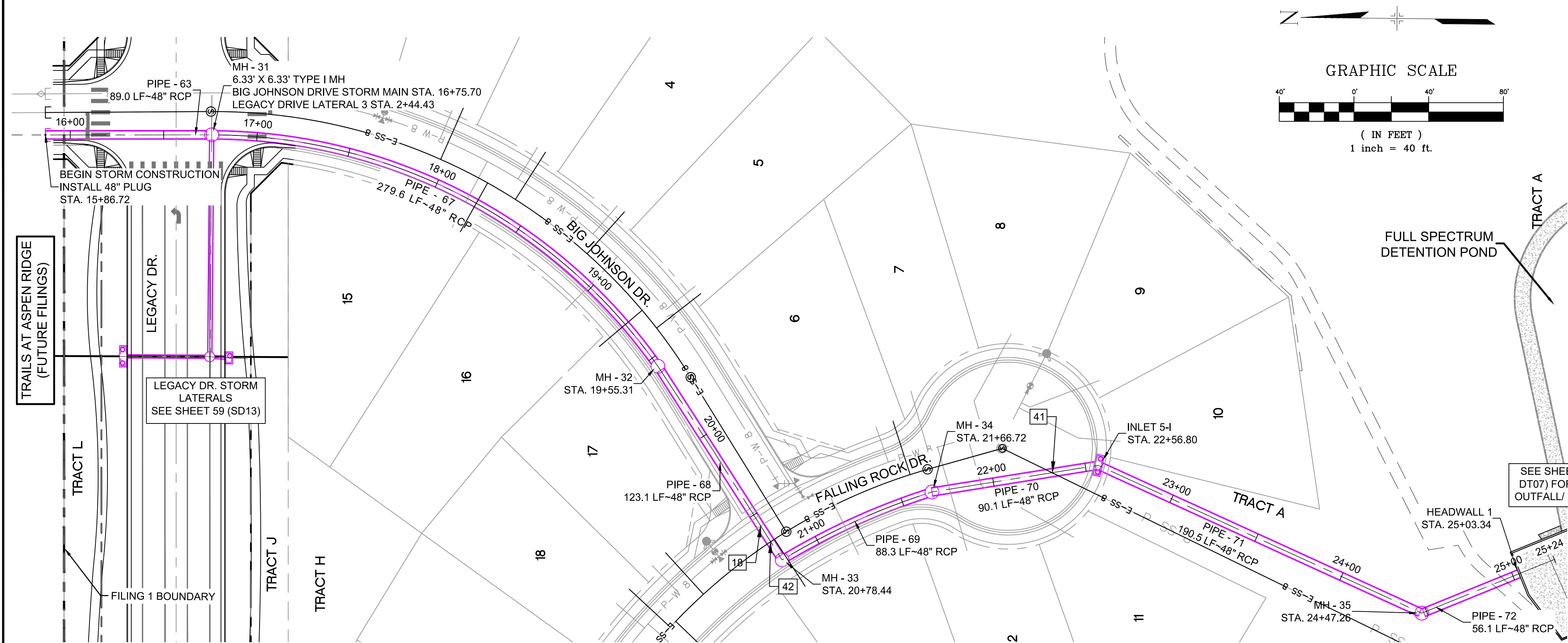
TRAILS AT ASPEN RIDGE

FILING NO. 1  
ROADWAY & STORM IMPROVEMENT PLANS

STORM DRAIN PLAN & PROFILE

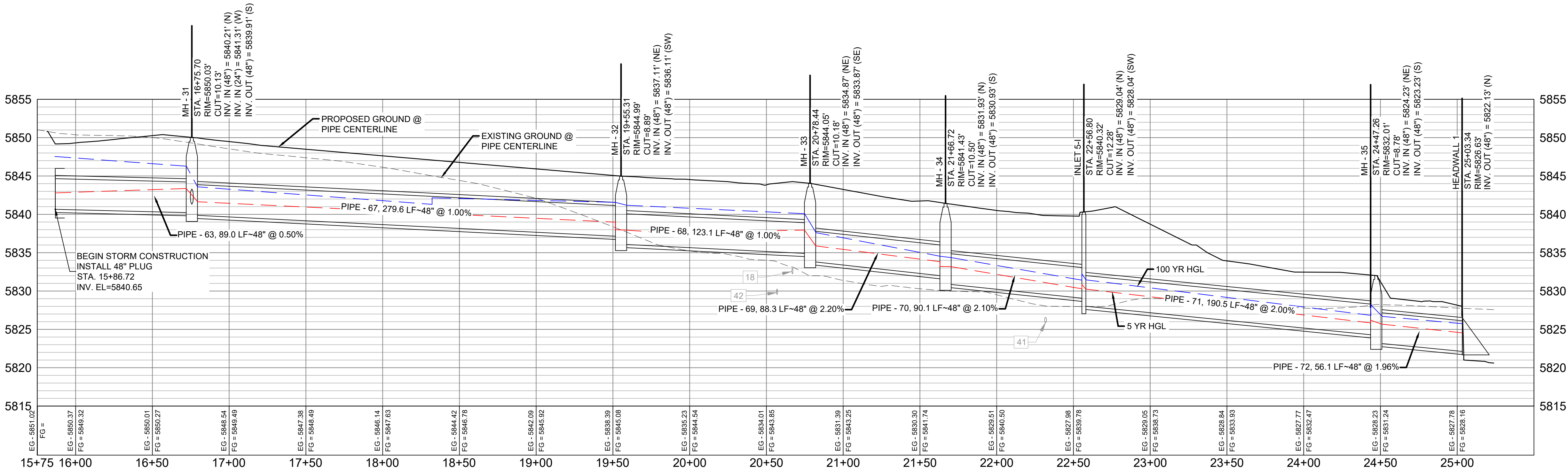
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DRAWN BY:	LCB	HORIZ 1" = 40'			
CHECKED BY:	NMS	VERT. 1" = 8'	SHEET	59 OF 71	SD13





UTILITY CROSSING DETAILS				
CROSSING #	N & E	TOP OF PIPE	BTM OF PIPE	SEPARATION
18	N 6,527.71 E 13,794.11	8" PVC WATER 5830.27	48" RCP STORM 5834.68	4.52'
41	N 6,373.53 E 13,823.63	8" PVC SAN 5826.60	48" RCP STORM 5829.29	2.69'
42	N 6,522.39 E 13,785.59	8" PVC SAN 5832.96	48" RCP STORM 5834.52	1.56'

STRUCTURE TABLE			
NAME	TYPE	DETAILS	N & E
HEADWALL 1	25'-1/2" HEADWALL	RIM = 5826.63 PIPE - 72 INV IN (48") = 5822.13	N: 6121.72 E: 13768.57
INLET 5-I	10' SUMP TYPE R INLET WITH 1' DROP	RIM = 5840.32 PIPE - 70 INV IN (48") = 5829.04 PIPE - 71 INV OUT (48") = 5828.04	N: 6346.94 E: 13826.64
MH - 31	6.33' X 6.33' TYPE I MH	RIM = 5850.03 PIPE - 63 INV IN (48") = 5840.21 PIPE - 64 INV IN (24") = 5841.31 PIPE - 67 INV OUT (48") = 5839.91	N: 6821.46 E: 14003.48
MH - 32	6.33' X 6.33' TYPE I 1' DROP MH	RIM = 5844.99 PIPE - 67 INV IN (48") = 5837.11 PIPE - 68 INV OUT (48") = 5836.11	N: 6582.59 E: 13879.65
MH - 33	6.33' X 6.33' TYPE I 1' DROP MH	RIM = 5844.05 PIPE - 68 INV IN (48") = 5834.87 PIPE - 69 INV OUT (48") = 5833.87	N: 6516.10 E: 13776.02
MH - 34	6.33' X 6.33' TYPE I 1' DROP MH	RIM = 5841.43 PIPE - 69 INV IN (48") = 5831.93 PIPE - 70 INV OUT (48") = 5830.93	N: 6435.89 E: 13812.37
MH - 35	6.33' X 6.33' TYPE I 1' DROP MH	RIM = 5832.01 PIPE - 71 INV IN (48") = 5824.23 PIPE - 72 INV OUT (48") = 5823.23	N: 6173.69 E: 13747.51

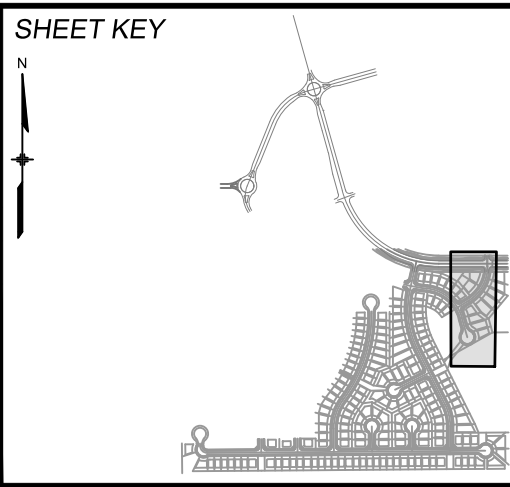


PIPE TABLE				
PIPE NAME	BEARING	LENGTH	SLOPE	SIZE
PIPE - 63	S00°01'15"E	89.0'	0.50%	48" RCP
PIPE - 70	S09°06'55"E	90.1'	2.10%	48" RCP
PIPE - 71	S24°32'55"W	190.5'	2.00%	48" RCP
PIPE - 68	S57°19'01"W	123.1'	1.00%	48" RCP
PIPE - 72	S22°03'30"E	56.1'	1.96%	48" RCP

PIPE TABLE					
PIPE NAME	RADIUS	CHORD LENGTH	LENGTH	SLOPE	SIZE
PIPE - 69	368.81'	88.06'	88.27'	2.200%	48" RCP
PIPE - 67	292.32'	269.07'	279.60'	1.000%	48" RCP

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REFERENCE DRAWINGS			
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COMPUTER FILE MANAGEMENT			
FILE NAME: S:\19.886.011 (Trails at Aspen Ridge - F1)\100 Dwg\104 Plan Sets\Construction Plans\Road & Storm Plans\SD13-14.dwg			
CTB FILE: ---			
PLOT DATE: July 2, 2019 12:42:37 PM			
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**BENCHMARK**  
COLORADO SPRINGS UTILITIES (FIMS) MONUMENT F206  
A BERNTSEN TOP SECURITY MONUMENT SYSTEM WITH A 3.5-INCH DIAMETER ALUMINUM CAP IN A ROAD BOX, LOCATED ON THE NORTHWEST CORNER OF FONTAINE BOULEVARD AND POWERS BOULEVARD.  
ELEVATION - 5897.89' U.S. SURVEY FT

**BASIS OF BEARING**  
BEARINGS ARE BASED ON THE NORTH LINE OF THE NORTHWEST QUARTER OF SECTION 9, TOWNSHIP 15 SOUTH, RANGE 65 WEST OF THE 6TH P.M. SAID LINE BEARS S89°51'23"E FROM THE NORTHWEST CORNER OF SAID SECTION 9 (2 1/2' AULM. CAP PLS 17664) TO THE N 1/4 CORNER OF SAID SECTION 9 (3 1/4' AULM. CAP PLS 10377)



**SEAL**

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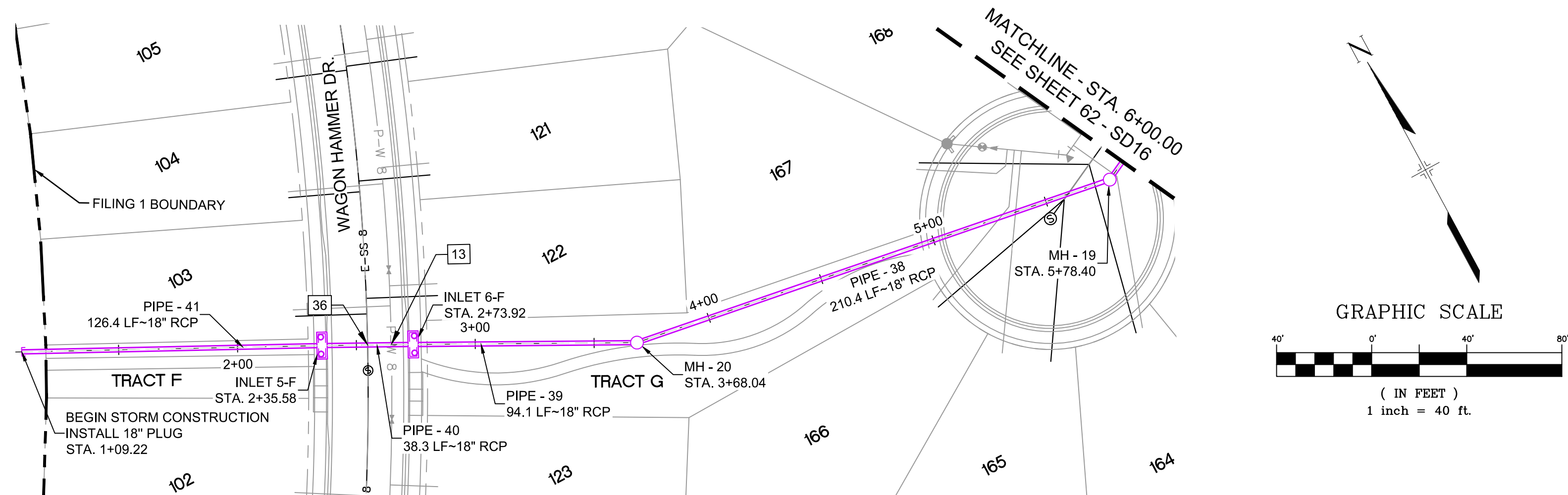
FOR AND ON BEHALF OF  
MATRIX DESIGN GROUP, INC.  
PROJECT No. 19.886.011

TRAILS AT ASPEN RIDGE			
FILING NO. 1 ROADWAY & STORM IMPROVEMENT PLANS			
STORM DRAIN PLAN & PROFILE			
DESIGNED BY: KMZ	SCALE: HORIZ 1" = 40'	DATE ISSUED: JULY, 2019	DRAWING No. SD14
CHECKED BY: NMS	VERT. 1" = 8'	SHEET 60 OF 71	

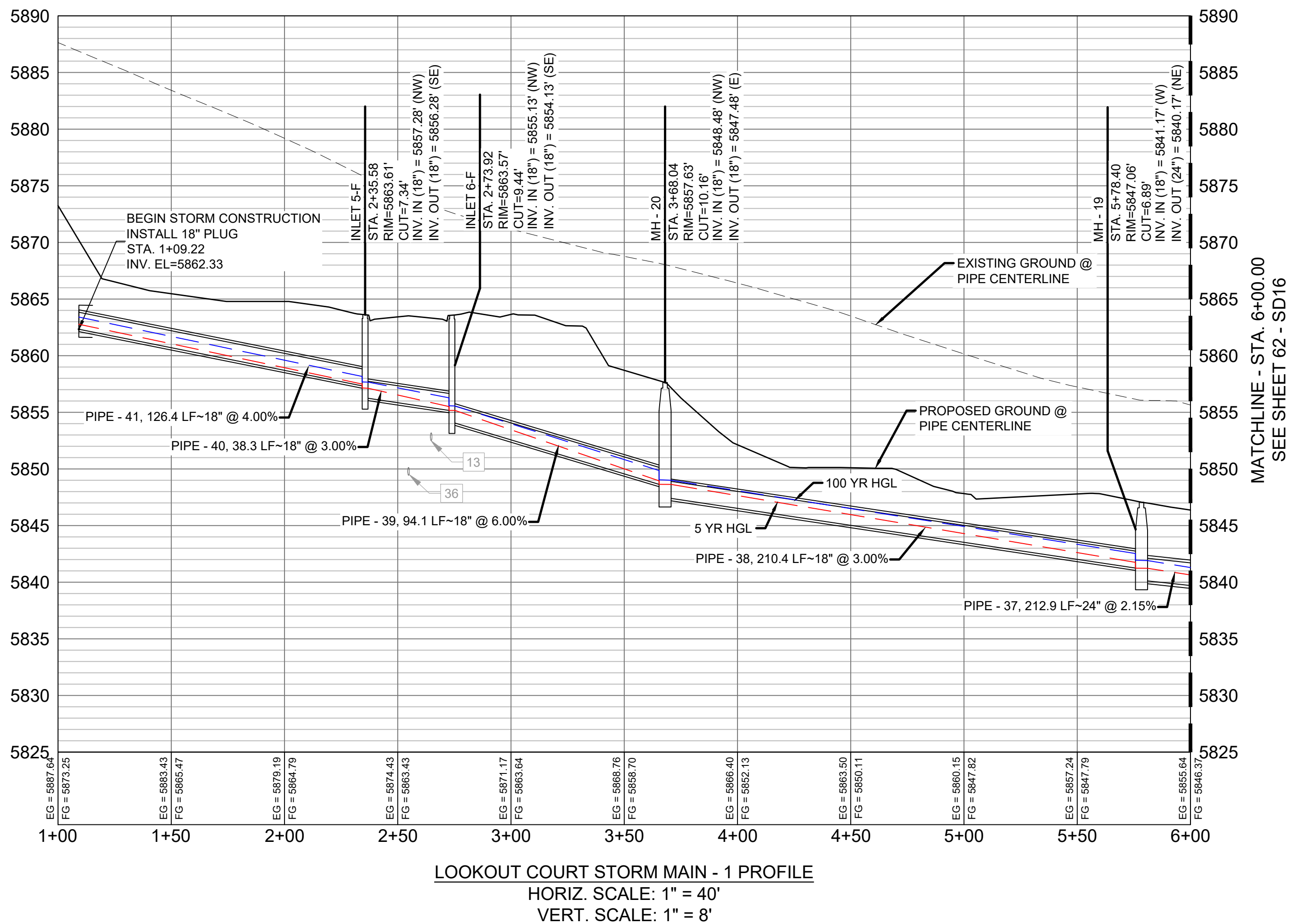
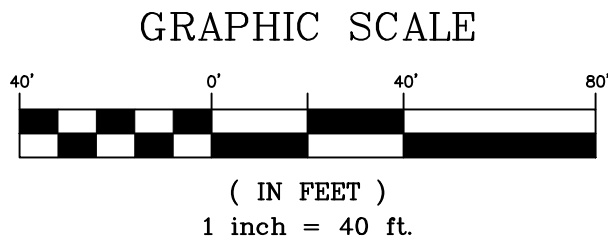




Know what's below.  
Call before you dig.



UTILITY CROSSING DETAILS				
CROSSING #	N & E	TOP OF PIPE	BTM OF PIPE	SEPARATION
13	N 5,982.06 E 13,049.72	8" PVC WATER 5853.20	18" RCP STORM 5855.20	2.00'
36	N 5,986.69 E 13,040.96	8" PVC SAN 5850.14	18" RCP STORM 5854.66	4.42'



STRUCTURE TABLE			
NAME	TYPE	DETAILS	N & E
INLET 5-F	10' ON-GRADE TYPE R INLET WITH 1' DROP	RIM = 5863.61 PIPE - 41 INV IN (18") = 5857.28 PIPE - 40 INV OUT (18") = 5856.28	N: 5995.43 E: 13023.79
INLET 6-F	10' ON-GRADE TYPE R INLET WITH 1' DROP	RIM = 5863.57 PIPE - 40 INV IN (18") = 5855.13 PIPE - 39 INV OUT (18") = 5854.13	N: 5977.85 E: 13057.66
MH - 19	4' TYPE II 1' DROP MH	RIM = 5847.06 PIPE - 38 INV IN (18") = 5841.17 PIPE - 37 INV OUT (24") = 5840.17	N: 5901.55 E: 13349.10
MH - 20	4' TYPE II 1' DROP MH	RIM = 5857.63 PIPE - 39 INV IN (18") = 5848.48 PIPE - 38 INV OUT (18") = 5847.48	N: 5934.33 E: 13141.31

PIPE TABLE				
PIPE NAME	BEARING	LENGTH	SLOPE	SIZE
PIPE - 38	N81°02'02"W	210.4'	3.00%	18" RCP
PIPE - 39	N62°27'25"W	94.1'	6.00%	18" RCP
PIPE - 40	N62°43'00"W	38.3'	3.00%	18" RCP
PIPE - 41	N63°12'15"W	126.4'	4.00%	18" RCP
PIPE - 37	S63°24'17"W	212.9'	2.15%	24" RCP

- NOTES:
- ALL STATION, OFFSET, AND NORTHING/EASTING VALUES ARE TO THE CENTER OF ALL STRUCTURES UNLESS OTHERWISE NOTED.
  - PIPE LENGTHS ARE MEASURED FROM CENTER TO CENTER OF ALL STRUCTURES.
  - ALL PIPE BENDS ANGLES ARE MEASURED FROM THE CENTER OF PIPE.
  - CONTRACTOR TO FIELD VERIFY HORIZONTAL AND VERTICAL LOCATION OF EXISTING STRUCTURES.
  - TOP OF BOX ELEVATIONS GIVEN FOR CDOT TYPE R INLETS REFER TO THE COUNTY STANDARD DETAIL FOR CORRESPONDING DESIGN ELEVATIONS.
  - ALL RCP PIPE SHALL BE CLASS III UNLESS OTHERWISE NOTED.
  - PIPES OF DIFFERENT SIZES ARE TO BE MATCHED TO THE CROWN OF THE INSIDE WALL OF PIPE.
  - ALL TYPE C INLETS ARE TO COLORADO DEPARTMENT OF TRANSPORTATION STANDARD TYPE M-604-10.
  - PER THE EL PASO COUNTY ENGINEERING CRITERIA MANUAL, MANHOLES SHALL BE INSTALLED 1/8" BELOW THE SURFACE OF THE PAVEMENT ON THE LOWEST SIDE OF THE MANHOLE."

REFERENCE DRAWINGS

No.	DATE	DESCRIPTION
COMPUTER FILE MANAGEMENT		
FILE NAME: S:\19.886.011 (Trails at Aspen Ridge - F1)\100 Dwg\104 Plan Sets\Construction Plans\Road & Storm Plans\SD15-16.dwg		
CTB FILE: ----		
PLOT DATE: July 2, 2019 12:45:29 PM		
THIS DRAWING IS CURRENT AS OF PLOT DATE AND MAY BE SUBJECT TO CHANGE.		

SHEET KEY

BENCHMARK

COLORADO SPRINGS UTILITIES (FIMS) MONUMENT F206  
A BERNTSEN TOP SECURITY MONUMENT SYSTEM WITH A 3.5-INCH DIAMETER ALUMINUM CAP IN A ROAD BOX, LOCATED ON THE NORTHWEST CORNER OF FONTAINE BOULEVARD AND POWERS BOULEVARD.  
ELEVATION - 5897.89' U.S. SURVEY FT

BASIS OF BEARING

BEARINGS ARE BASED ON THE NORTH LINE OF THE NORTHWEST QUARTER OF SECTION 9, TOWNSHIP 15 SOUTH, RANGE 65 WEST OF THE 6TH P.M. SAID LINE BEARS S89°51'23"E FROM THE NORTHWEST CORNER OF SAID SECTION 9 (2 1/2' AULM. CAP PLS 17664) TO THE N 1/4 CORNER OF SAID SECTION 9 (3 1/4' AULM. CAP PLS 10377)

FOR AND ON BEHALF OF

MATRIX DESIGN GROUP, INC.

PROJECT No. 19.886.011

SEAL

PRELIMINARY

THIS DRAWING HAS NOT BEEN APPROVED BY GOVERNING AGENCIES AND IS SUBJECT TO CHANGE

TRAILS AT ASPEN RIDGE

FILING NO. 1

ROADWAY & STORM IMPROVEMENT PLANS

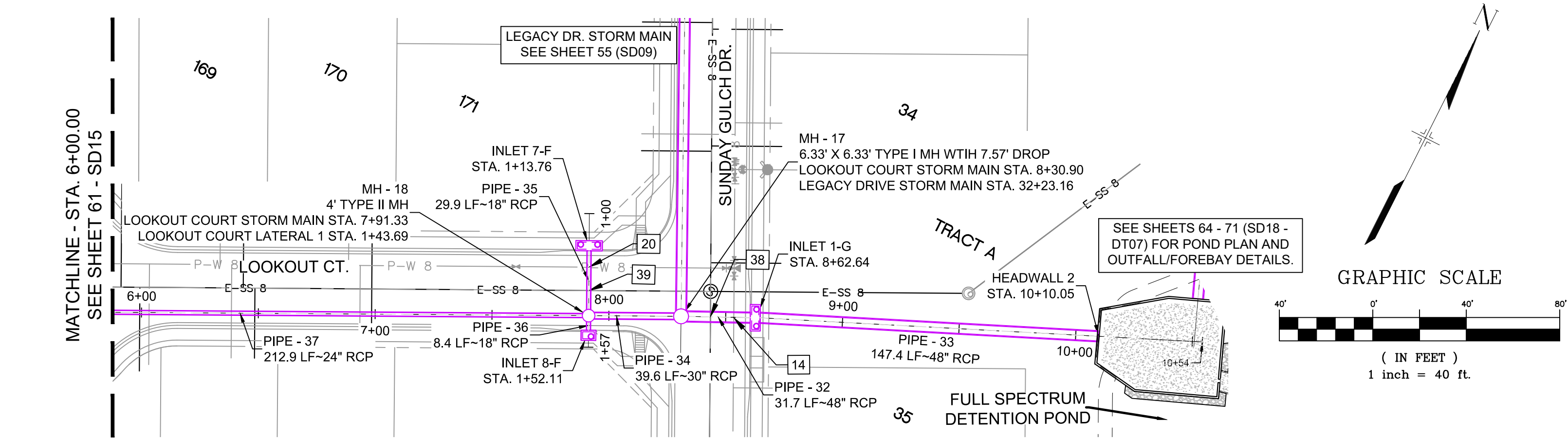
STORM DRAIN PLAN & PROFILE

DESIGNED BY:	KMZ	SCALE	DATE ISSUED:	JULY, 2019	DRAWING No.
DRAWN BY:	LCB	HORIZ	N.A.		SD15
CHECKED BY:	NMS	VERT.	N.A.	SHEET	61 OF 71

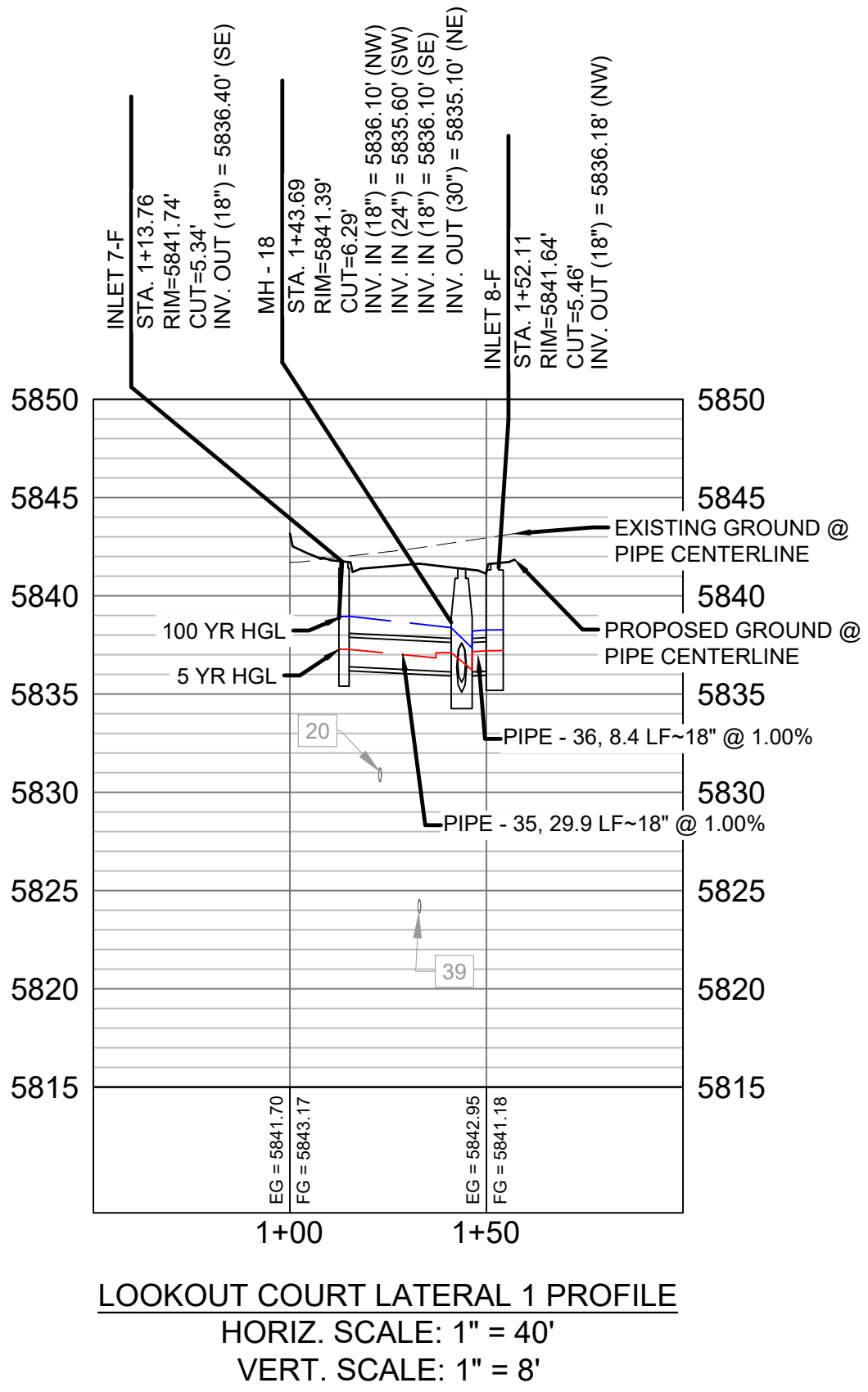
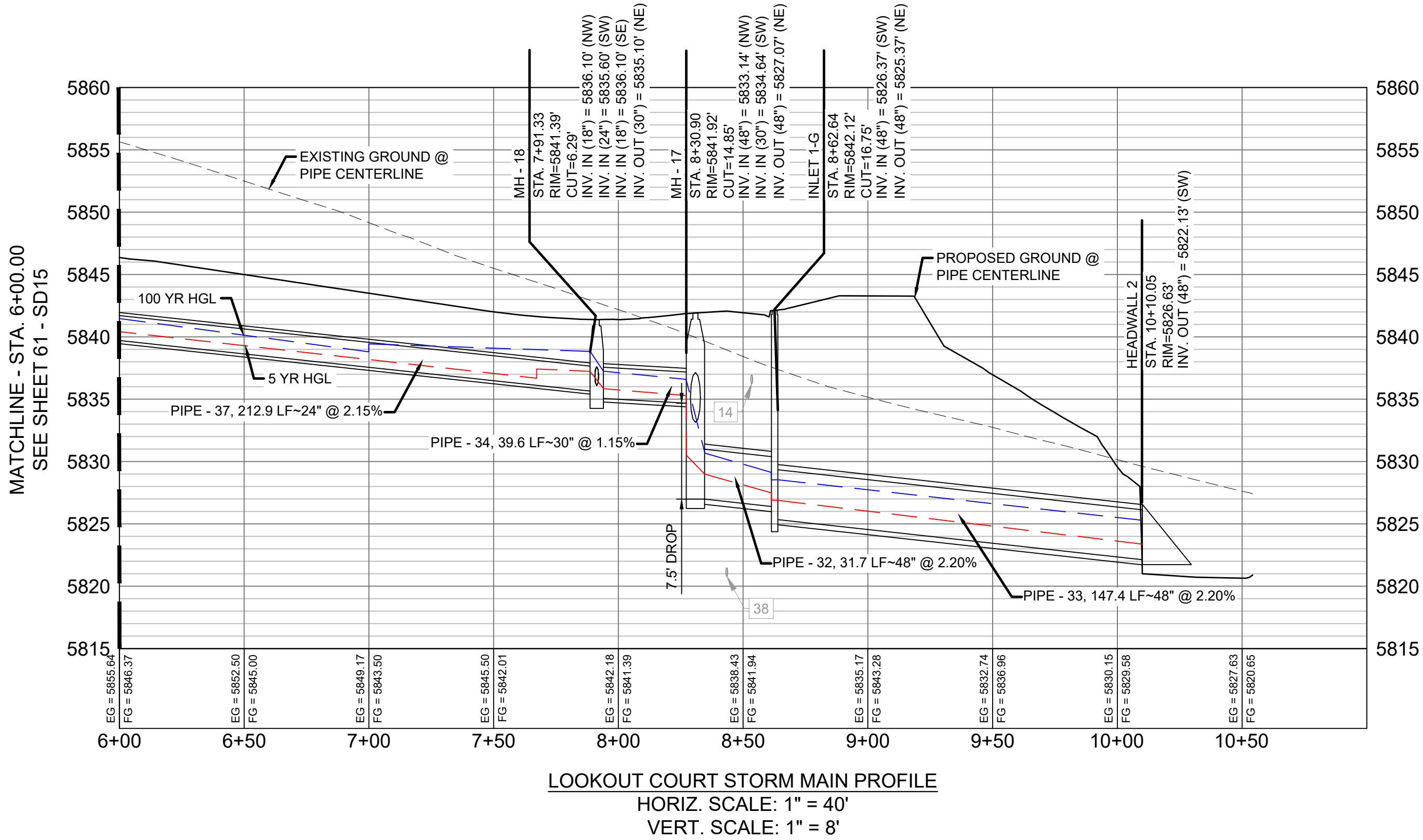




UTILITY CROSSING DETAILS				
CROSSING #	N & E	TOP OF PIPE	BTM OF PIPE	SEPARATION
14	N 6,024.68 E 13,595.07	48" RCP STORM 5830.98	8" PVC WATER 5836.23	5.25'
20	N 6,015.43 E 13,530.21	8" PVC WATER 5831.26	18" RCP STORM 5836.10	4.84'
38	N 6,020.11 E 13,585.98	8" PVC SAN 5821.49	48" RCP STORM 5823.46	1.97'
39	N 6,006.40 E 13,534.70	8" PVC SAN 5824.56	18" RCP STORM 5836.00	11.44'



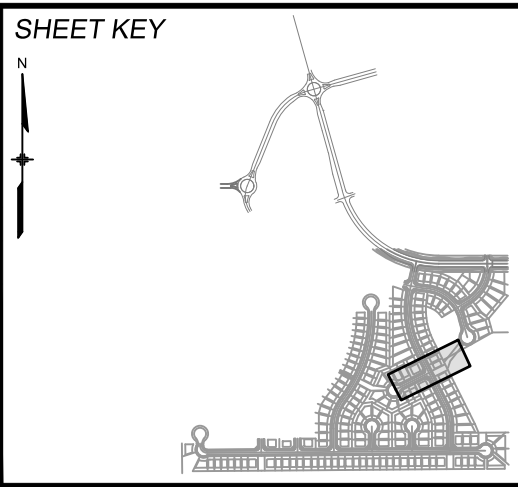
STRUCTURE TABLE			
NAME	TYPE	DETAILS	N & E
HEADWALL 2	24'-5 1/8" HEADWALL	RIM = 5826.63 PIPE - 33 INV IN (48") = 5822.13	N: 6088.17 E: 13738.21
INLET 1-G	10' ON-GRADE TYPE R INLET WITH 1' DROP	RIM = 5842.12 PIPE - 32 INV IN (48") = 5826.37 PIPE - 33 INV OUT (48") = 5825.37	N: 6028.42 E: 13603.45
INLET 7-F	10' SUMP TYPE R INLET	RIM = 5841.74 PIPE - 35 INV OUT (18") = 5836.40	N: 6023.63 E: 13526.12
INLET 8-F	5' SUMP TYPE R INLET	RIM = 5841.64 PIPE - 36 INV OUT (18") = 5836.18	N: 5989.35 E: 13543.28
MH - 17	6.33' X 6.33' TYPE I MH WITH 7.57' DROP	RIM = 5841.92 PIPE - 31 INV IN (48") = 5833.14 PIPE - 34 INV IN (30") = 5834.64 PIPE - 32 INV OUT (48") = 5827.07	N: 6014.58 E: 13574.89
MH - 18	4' TYPE II MH	RIM = 5841.39 PIPE - 35 INV IN (18") = 5836.10 PIPE - 37 INV IN (24") = 5835.60 PIPE - 36 INV IN (18") = 5836.10 PIPE - 34 INV OUT (30") = 5835.10	N: 5996.88 E: 13539.51



PIPE TABLE				
PIPE NAME	BEARING	LENGTH	SLOPE	SIZE
PIPE - 34	S63°25'00"W	39.6'	1.15%	30" RCP
PIPE - 33	N66°05'26"E	147.4'	2.20%	48" RCP
PIPE - 32	S64°08'25"W	31.7'	2.20%	48" RCP
PIPE - 37	S63°24'17"W	212.9'	2.15%	24" RCP

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  - PER THE EL PASO COUNTY ENGINEERING CRITERIA MANUAL, MANHOLES SHALL BE INSTALLED 1/8" BELOW THE SURFACE OF THE PAVEMENT ON THE LOWEST SIDE OF THE MANHOLE."

REFERENCE DRAWINGS			
No.	DATE	DESCRIPTION	BY
COMPUTER FILE MANAGEMENT			
FILE NAME: S:\19.886.011 (Trails at Aspen Ridge - F1)\100 Dwg\104 Plan Sets\Construction Plans\Road & Storm Plans\SD15-16.dwg			
CTB FILE: ----			
PLOT DATE: July 2, 2019 12:46:01 PM			
THIS DRAWING IS CURRENT AS OF PLOT DATE AND MAY BE SUBJECT TO CHANGE.			



**BENCHMARK**  
COLORADO SPRINGS UTILITIES (FIMS) MONUMENT F206  
A BERNTSEN TOP SECURITY MONUMENT SYSTEM WITH A 3.5-INCH DIAMETER ALUMINUM CAP IN A ROAD BOX, LOCATED ON THE NORTHWEST CORNER OF FONTAINE BOULEVARD AND POWERS BOULEVARD.  
ELEVATION - 5897.89' U.S. SURVEY FT

**BASIS OF BEARING**  
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**SEAL**

**PRELIMINARY**  
THIS DRAWING HAS NOT BEEN APPROVED BY GOVERNING AGENCIES AND IS SUBJECT TO CHANGE

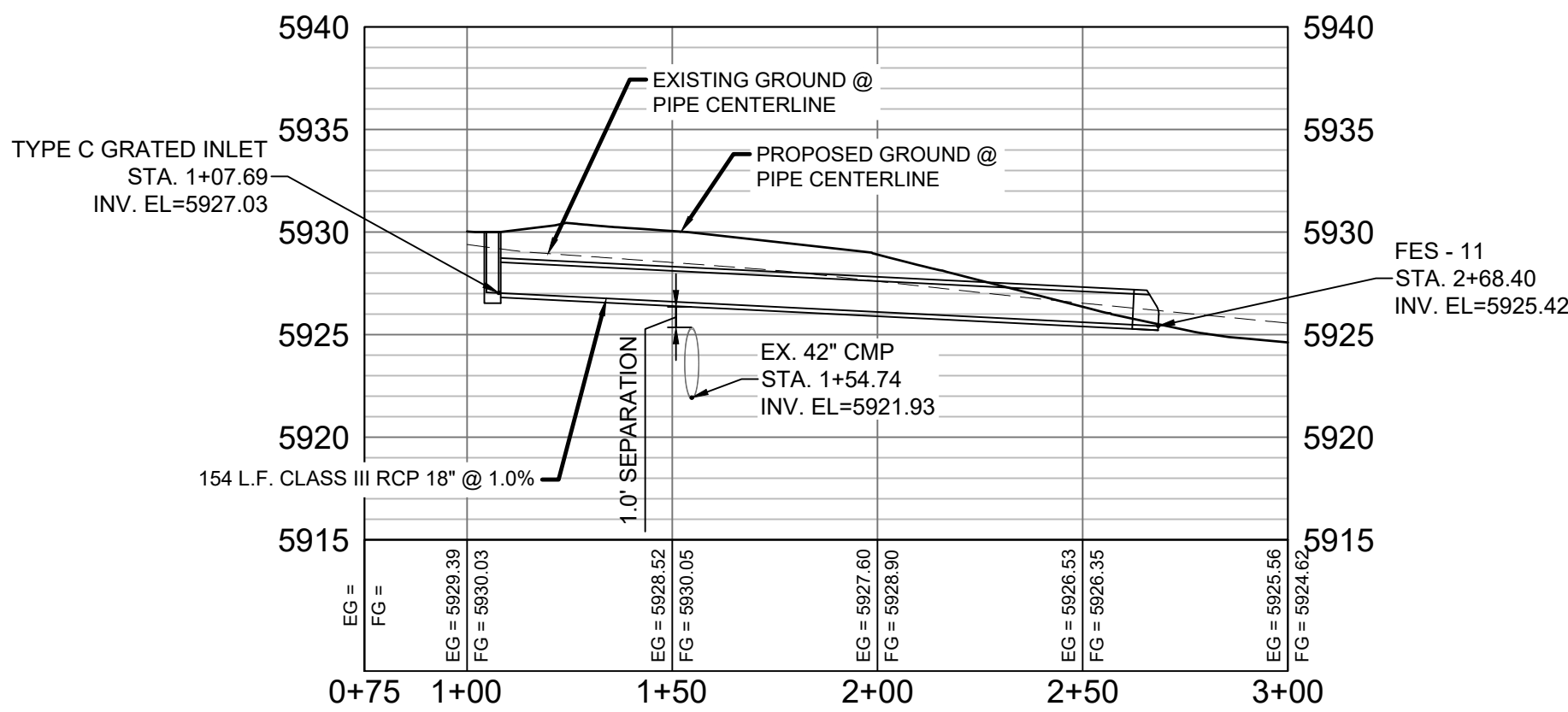
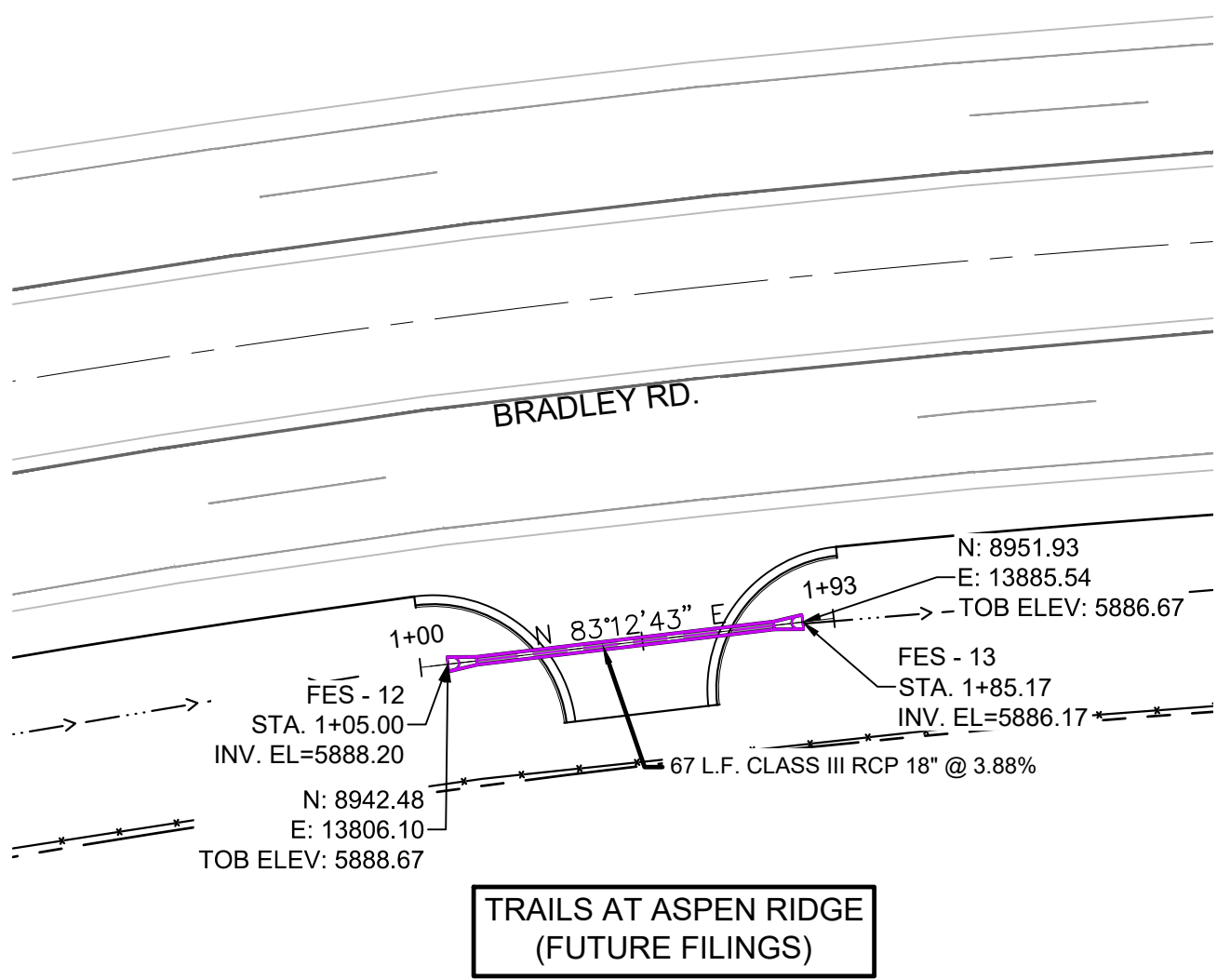
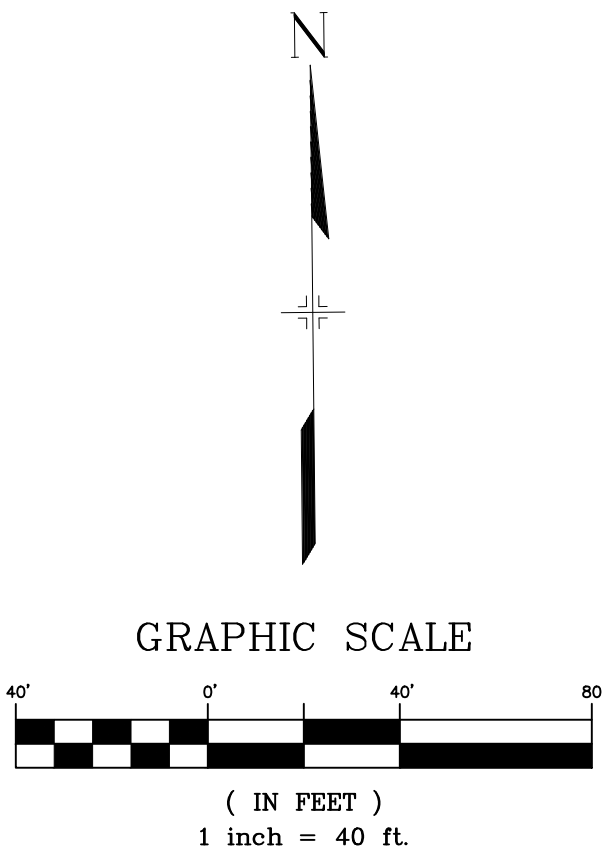
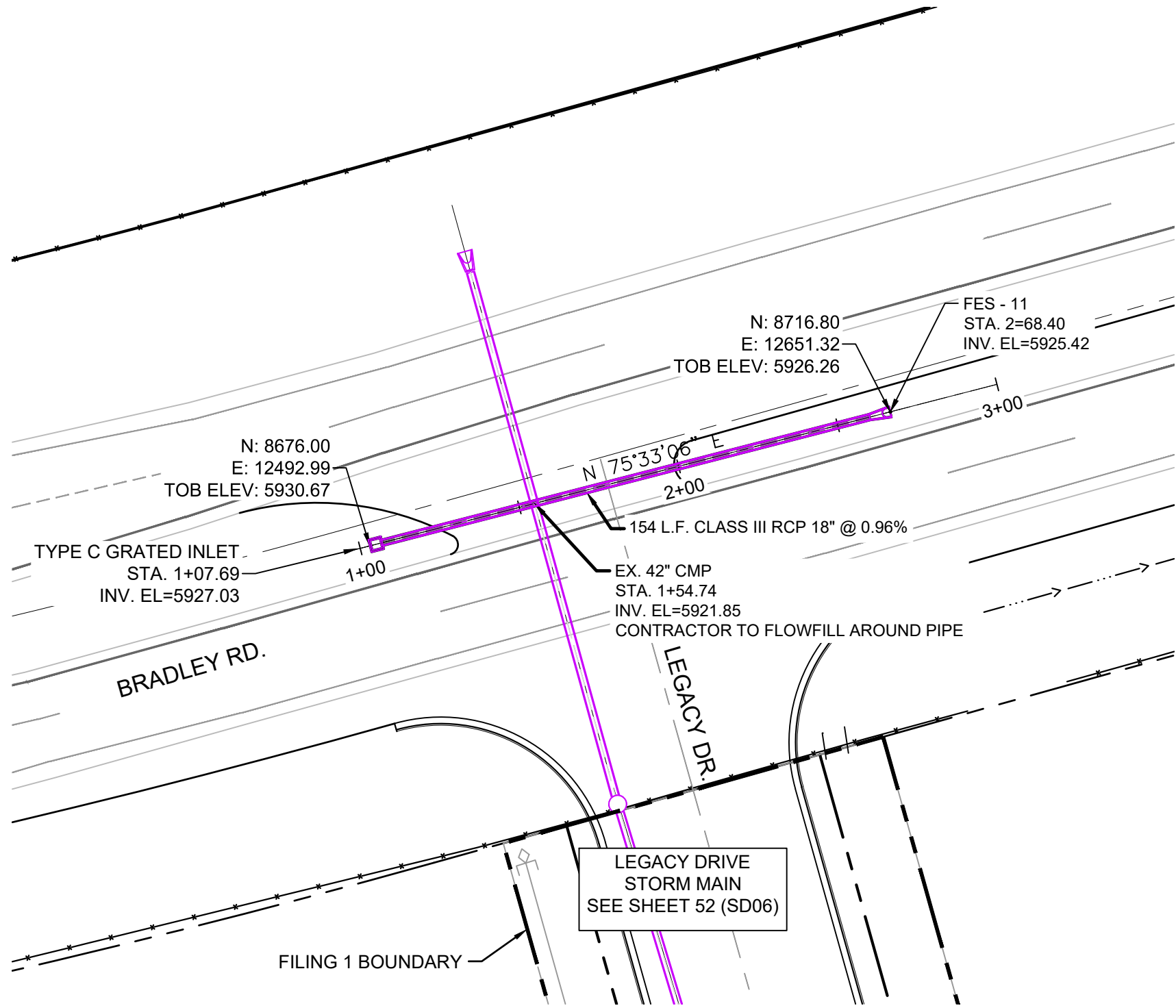
FOR AND ON BEHALF OF  
MATRIX DESIGN GROUP, INC.  
PROJECT No. 19.886.011

TRAILS AT ASPEN RIDGE			
FILING NO. 1 ROADWAY & STORM IMPROVEMENT PLANS			
STORM DRAIN PLAN & PROFILE			
DESIGNED BY: KMZ	SCALE: 1" = 40'	DATE ISSUED: JULY, 2019	DRAWING No. SD16
CHECKED BY: NMS	VERT. 1" = 8'	SHEET 62 OF 71	

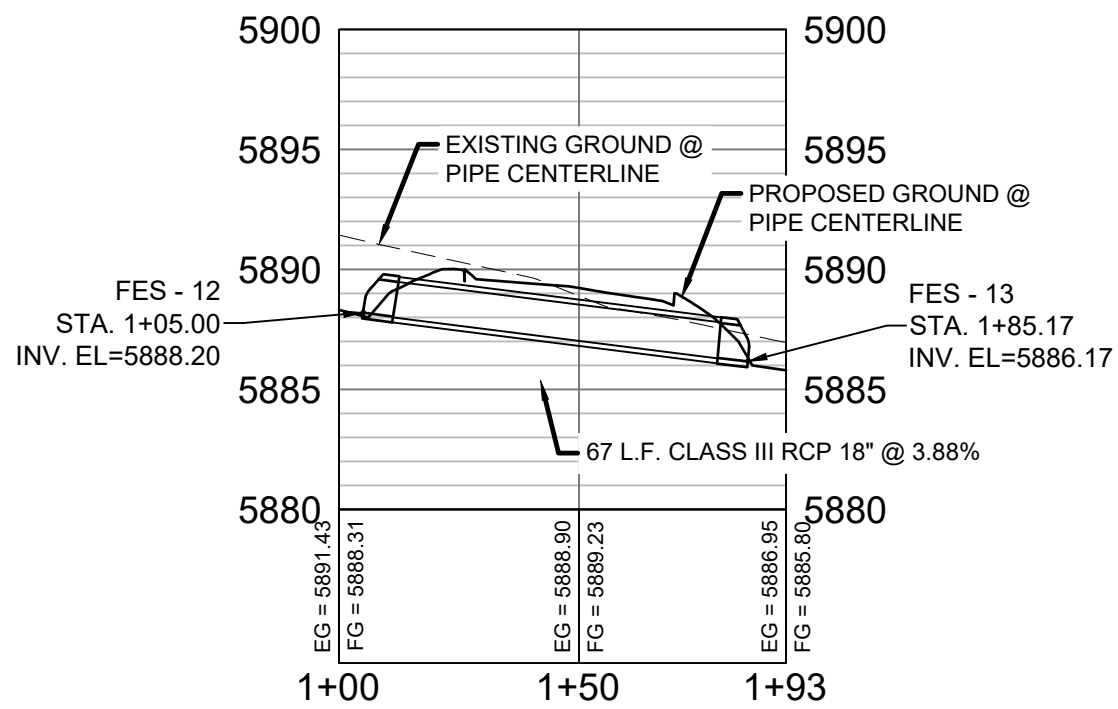




Know what's below.  
Call before you dig.



BRADLEY ROAD 1 PROFILE  
HORIZ. SCALE: 1" = 40'  
VERT. SCALE: 1" = 8'



BRADLEY ROAD 2 PROFILE  
HORIZ. SCALE: 1" = 40'  
VERT. SCALE: 1" = 8'

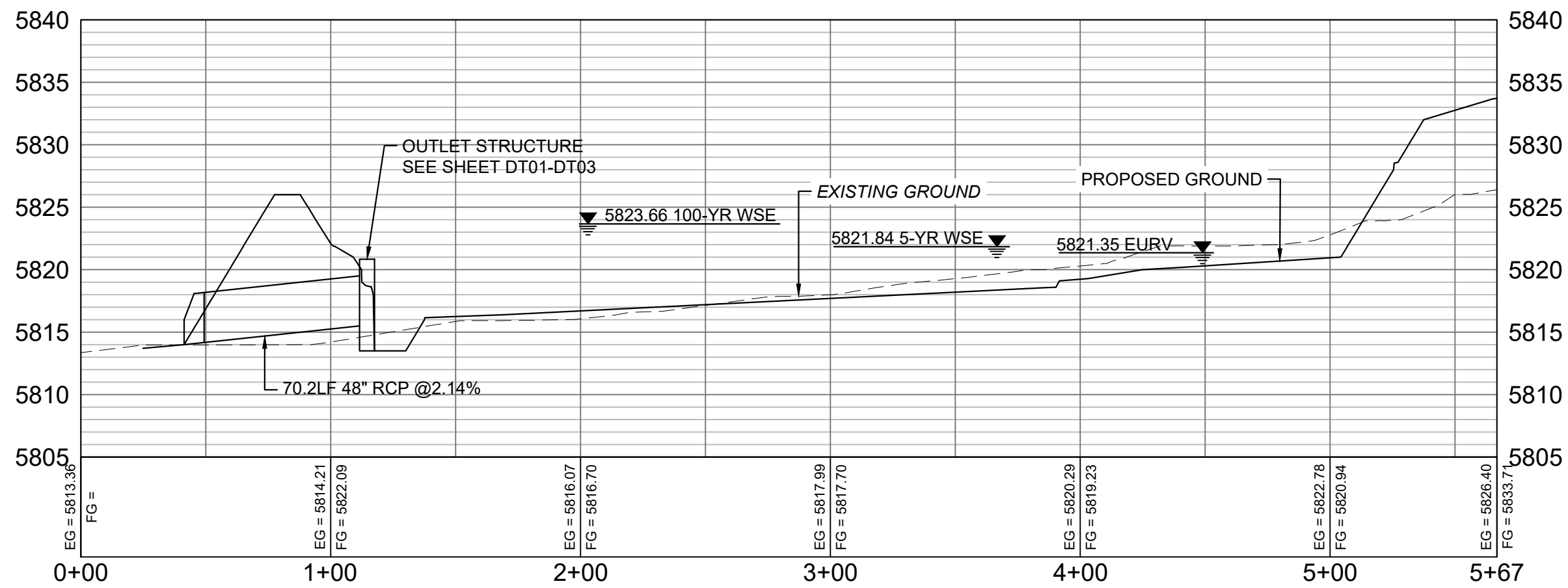
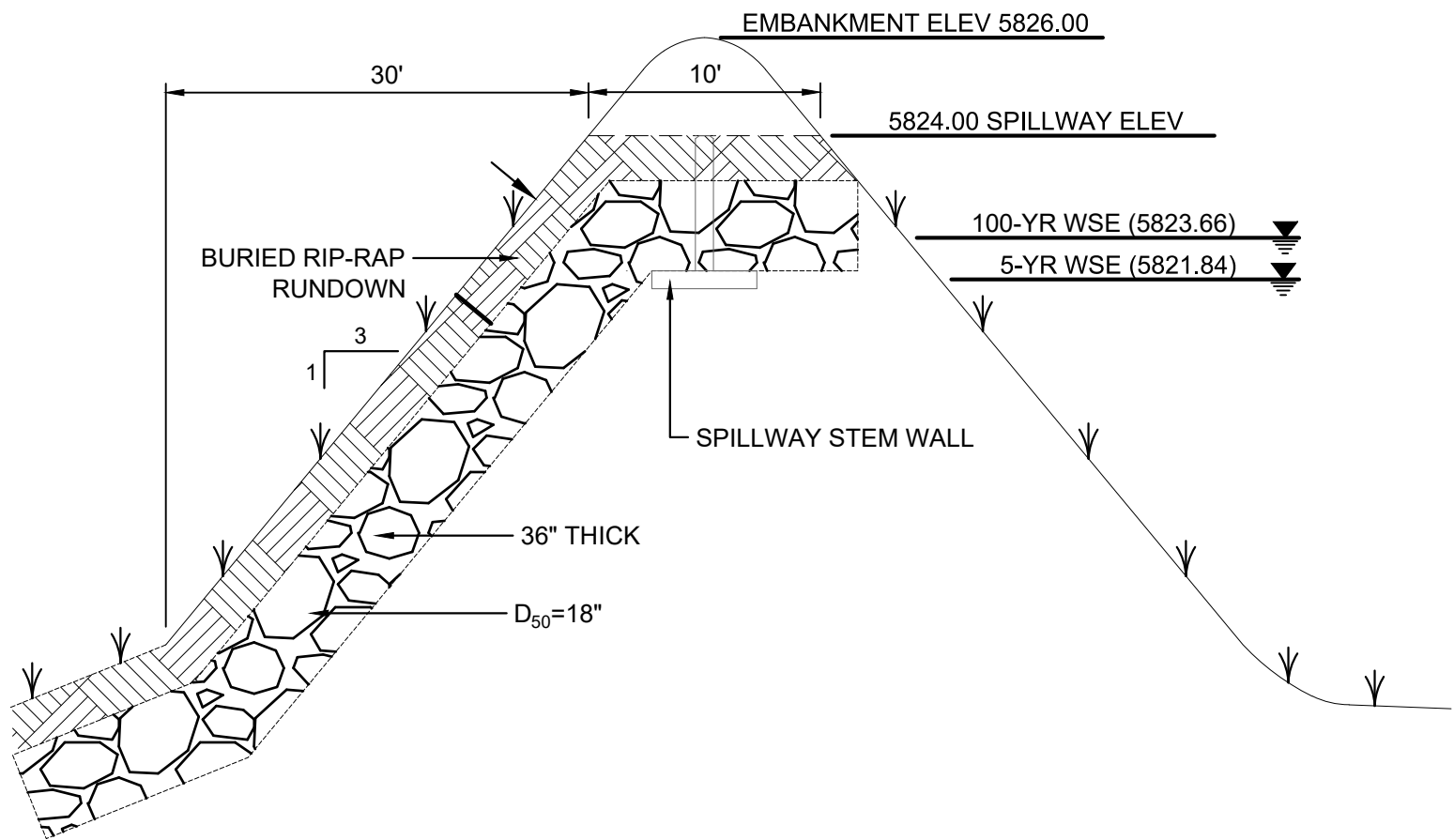
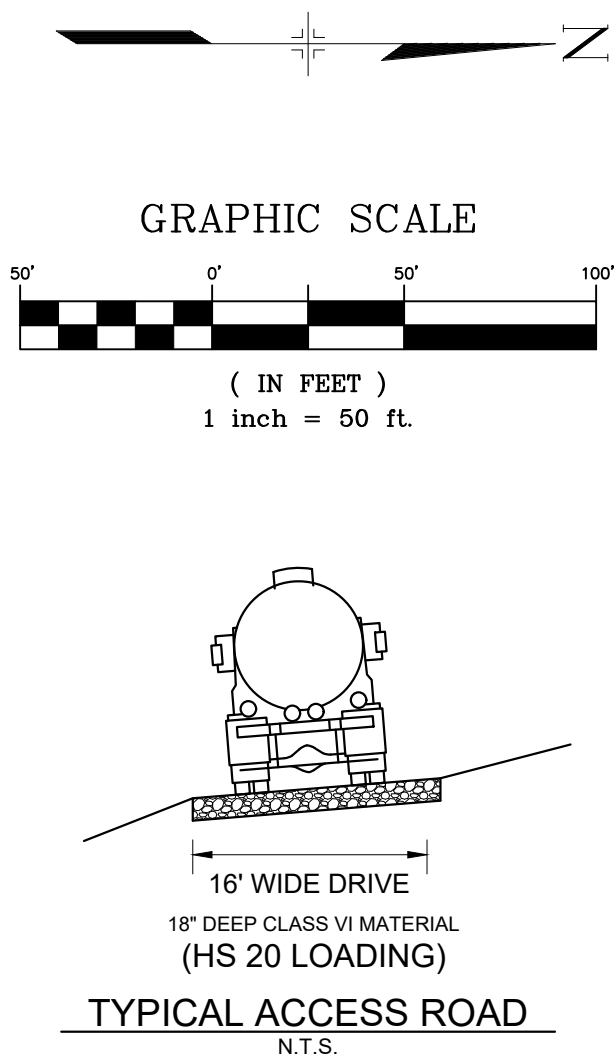
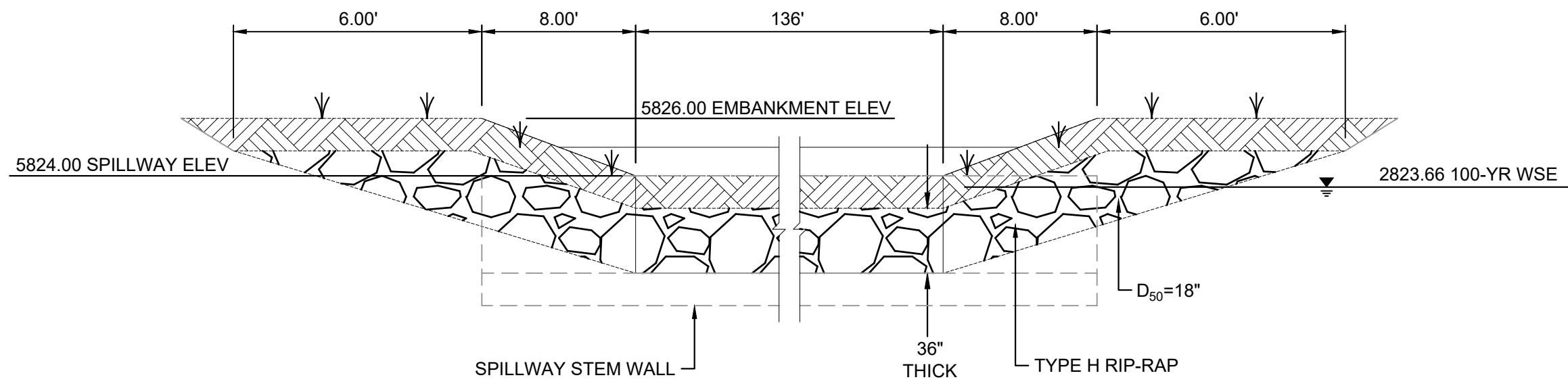
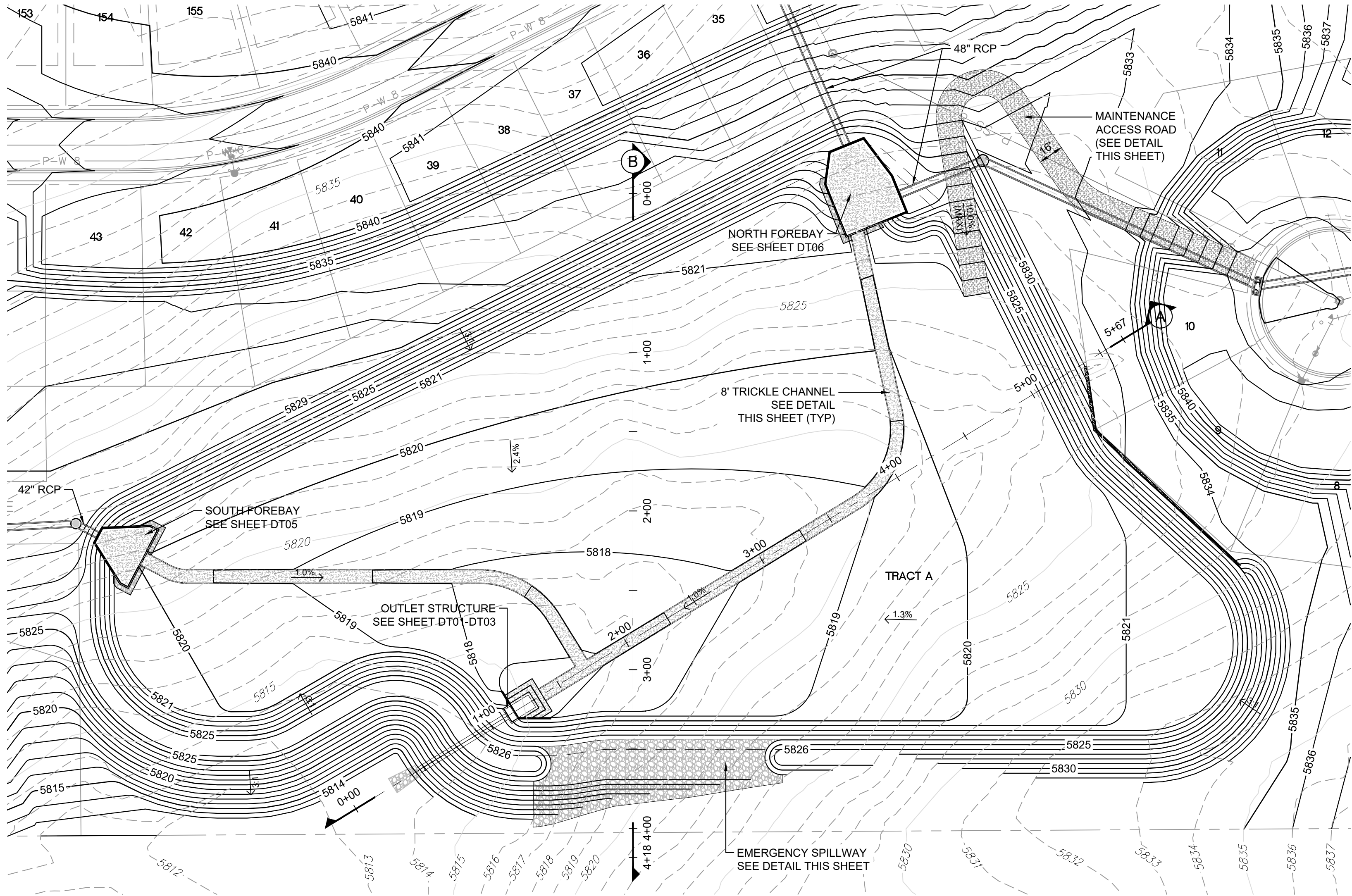
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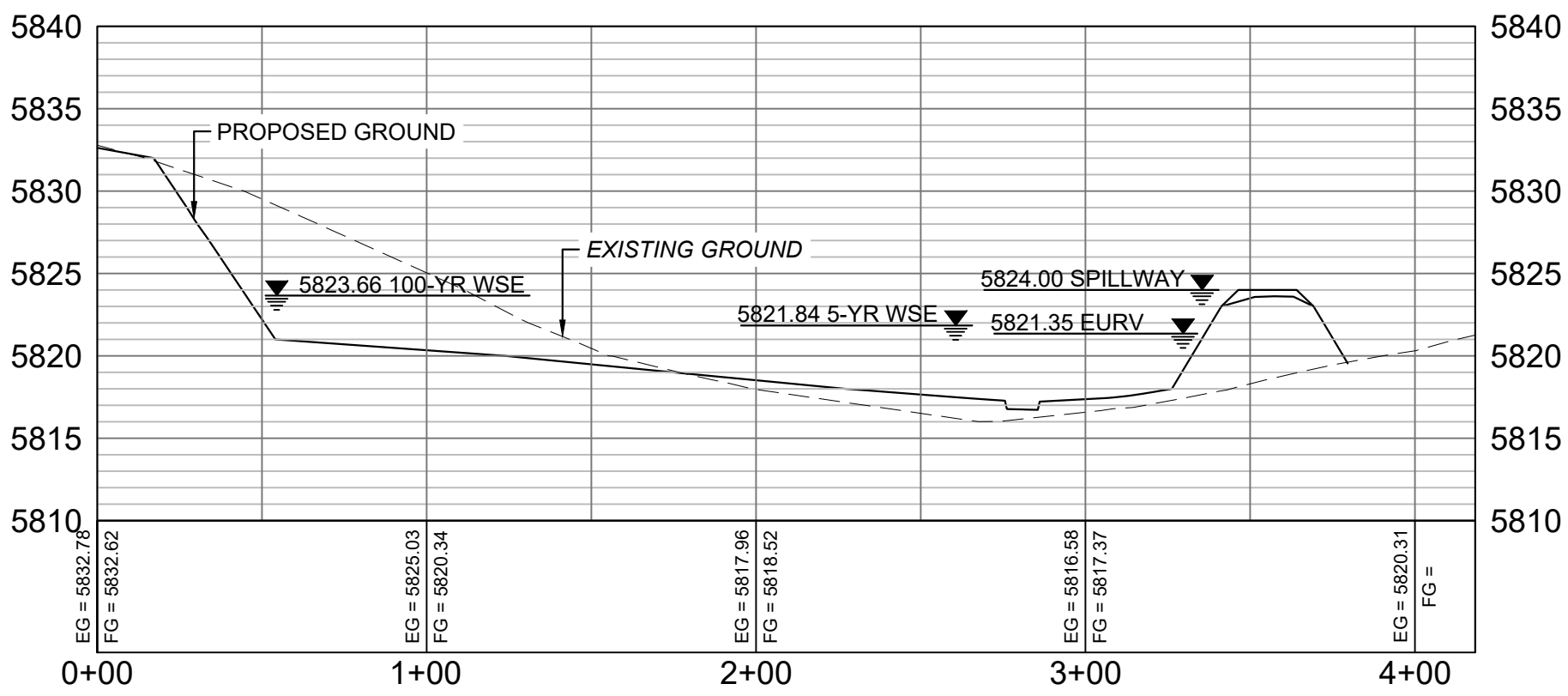




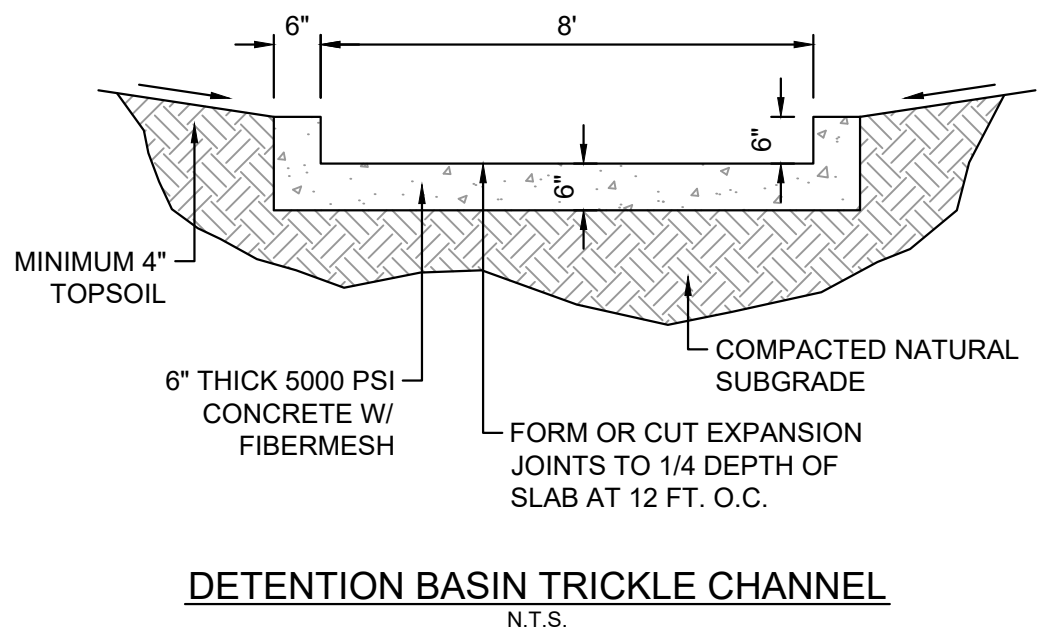
Know what's below.  
Call before you dig.



SECTION A  
H: 1"=50'  
V: 1"=10'

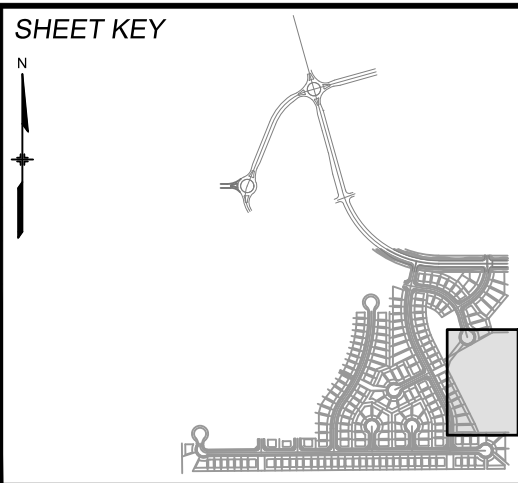


SECTION B  
H: 1"=50'  
V: 1"=10'



DETENTION BASIN TRICKLE CHANNEL  
N.T.S.

REFERENCE DRAWINGS			
No.	DATE	DESCRIPTION	BY
COMPUTER FILE MANAGEMENT			
FILE NAME: S:\19.886.011 (Trails at Aspen Ridge - F1)\100 Dwg\104 Plan Sets\Construction Plans\Road & Storm Plans\DF01-DF04.dwg			
CTB FILE: ---			
PLOT DATE: July 2, 2019 12:50:22 PM			
THIS DRAWING IS CURRENT AS OF PLOT DATE AND MAY BE SUBJECT TO CHANGE.			



**BENCHMARK**  
COLORADO SPRINGS UTILITIES (FIMS) MONUMENT F206  
A BERNTSEN TOP SECURITY MONUMENT SYSTEM WITH A 3.5-INCH DIAMETER ALUMINUM CAP IN A ROAD BOX, LOCATED ON THE NORTHWEST CORNER OF FONTAINE BOULEVARD AND POWERS BOULEVARD.  
ELEVATION - 5897.89' U.S. SURVEY FT

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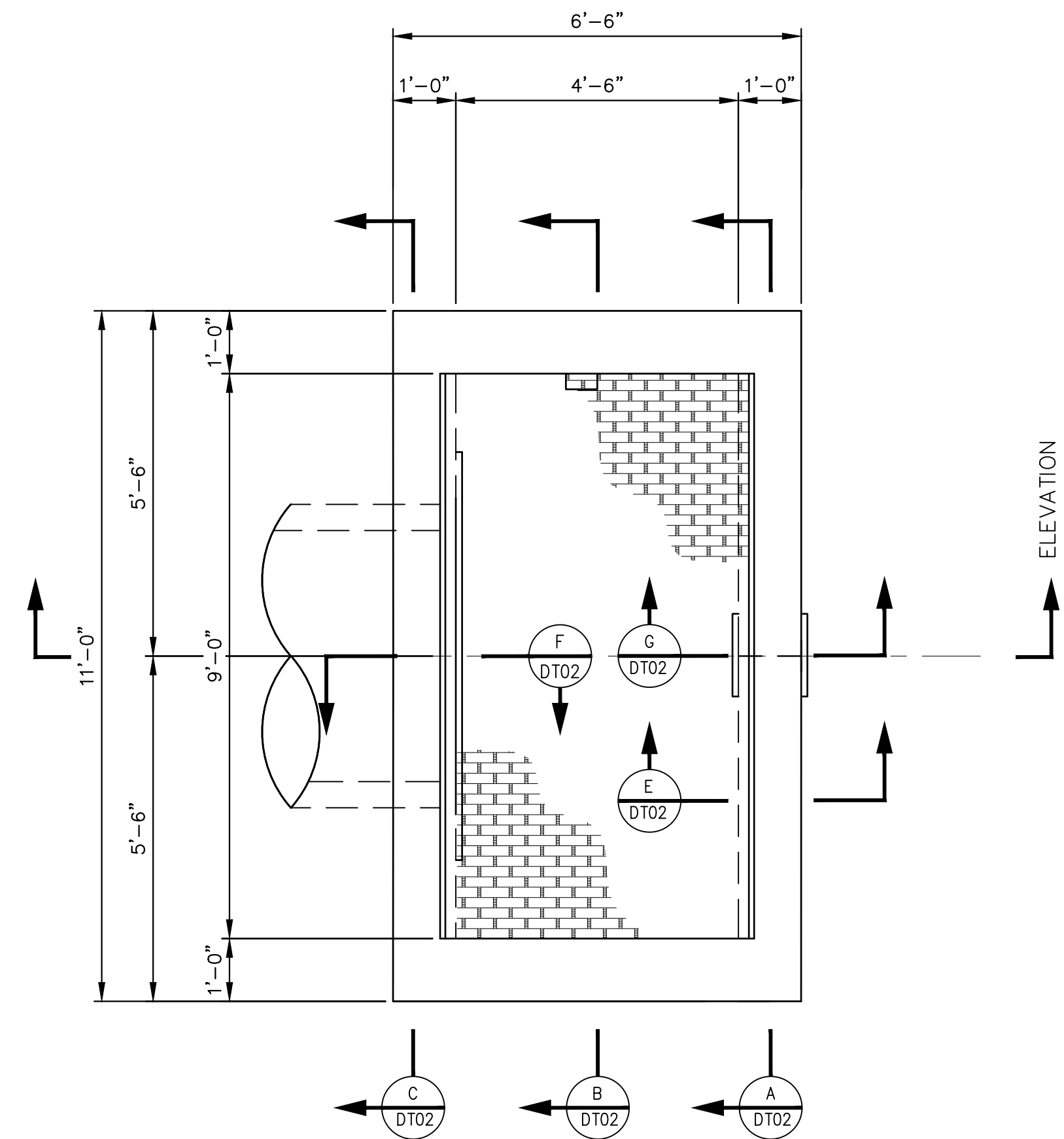
**SEAL**

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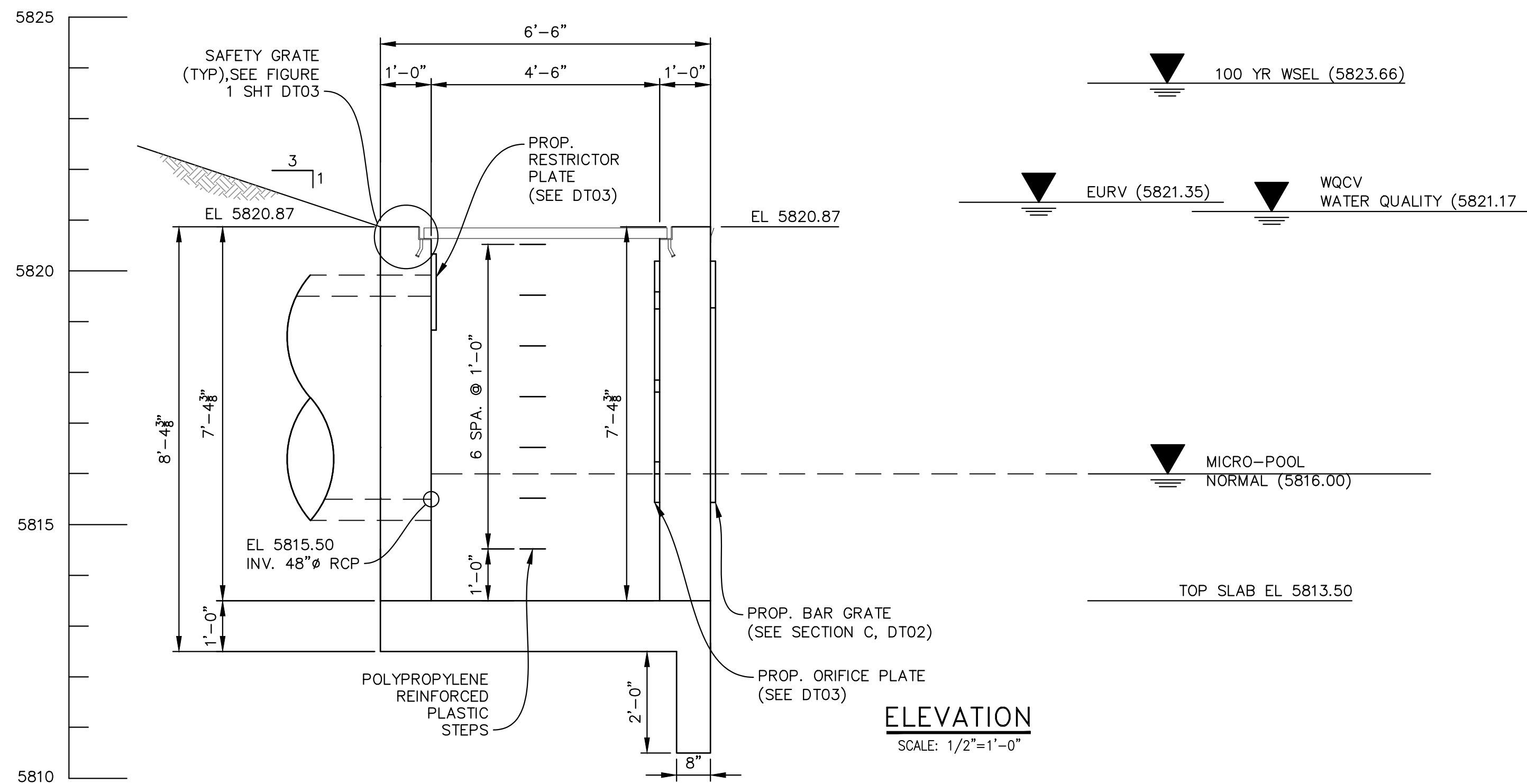
FOR AND ON BEHALF OF  
MATRIX DESIGN GROUP, INC.  
PROJECT No. 19.886.011

TRAILS AT ASPEN RIDGE			
FILING NO. 1 ROADWAY & STORM IMPROVEMENT PLANS			
POND LAYOUT			
DESIGNED BY: NMS	SCALE: 1" = 50'	DATE ISSUED: JULY, 2019	DRAWING No. SD18
CHECKED BY: NMS	VERT. 1" = 10'	SHEET 64 OF 71	



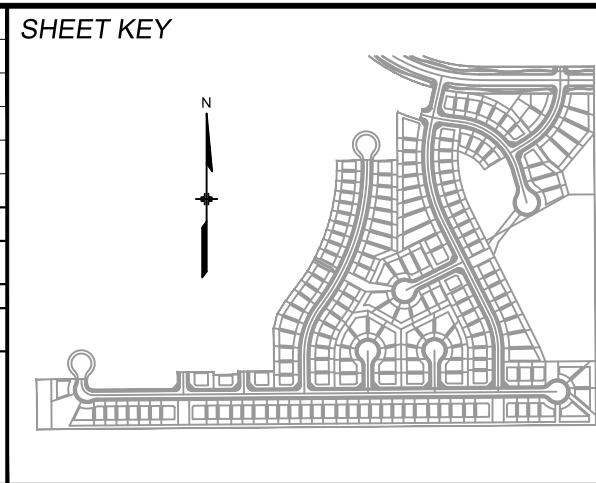


PLAN  
SCALE: 1/2"=1'-0"



ELEVATION  
SCALE: 1/2"=1'-0"

REFERENCE DRAWINGS			
No.	DATE	DESCRIPTION	BY
REVISIONS			
COMPUTER FILE MANAGEMENT			
FILE NAME: S:\19.886.011 (Trails at Aspen Ridge - F1)\100 Dwg\104 Plan Sets\Construction Plans\Road & Storm Plans\Structures\Outlet Structure 1.dwg			
CTB FILE: ----			
PLOT DATE: July 2, 2019 12:50:39 PM			
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**BENCHMARK**  
COLORADO SPRINGS UTILITIES (FIMS) MONUMENT F206  
A BERNTSEN TOP SECURITY MONUMENT SYSTEM WITH A 3.5-INCH DIAMETER ALUMINUM CAP IN A ROAD BOX, LOCATED ON THE NORTHWEST CORNER OF FONTAINE BOULEVARD AND POWERS BOULEVARD.  
ELEVATION - 5897.89' U.S. SURVEY FT

**BASIS OF BEARING**  
BEARINGS ARE BASED ON THE NORTH LINE OF THE NORTHWEST QUARTER OF SECTION 9, TOWNSHIP 15 SOUTH, RANGE 65 WEST OF THE 6TH P.M. SAID LINE BEARS S89°51'23"E FROM THE NORTHWEST CORNER OF SAID SECTION 9 (2 1/2" AULM. CAP PLS 17664) TO THE N 1/4 CORNER OF SAID SECTION 9 (3 1/4" AULM. CAP PLS 10377)



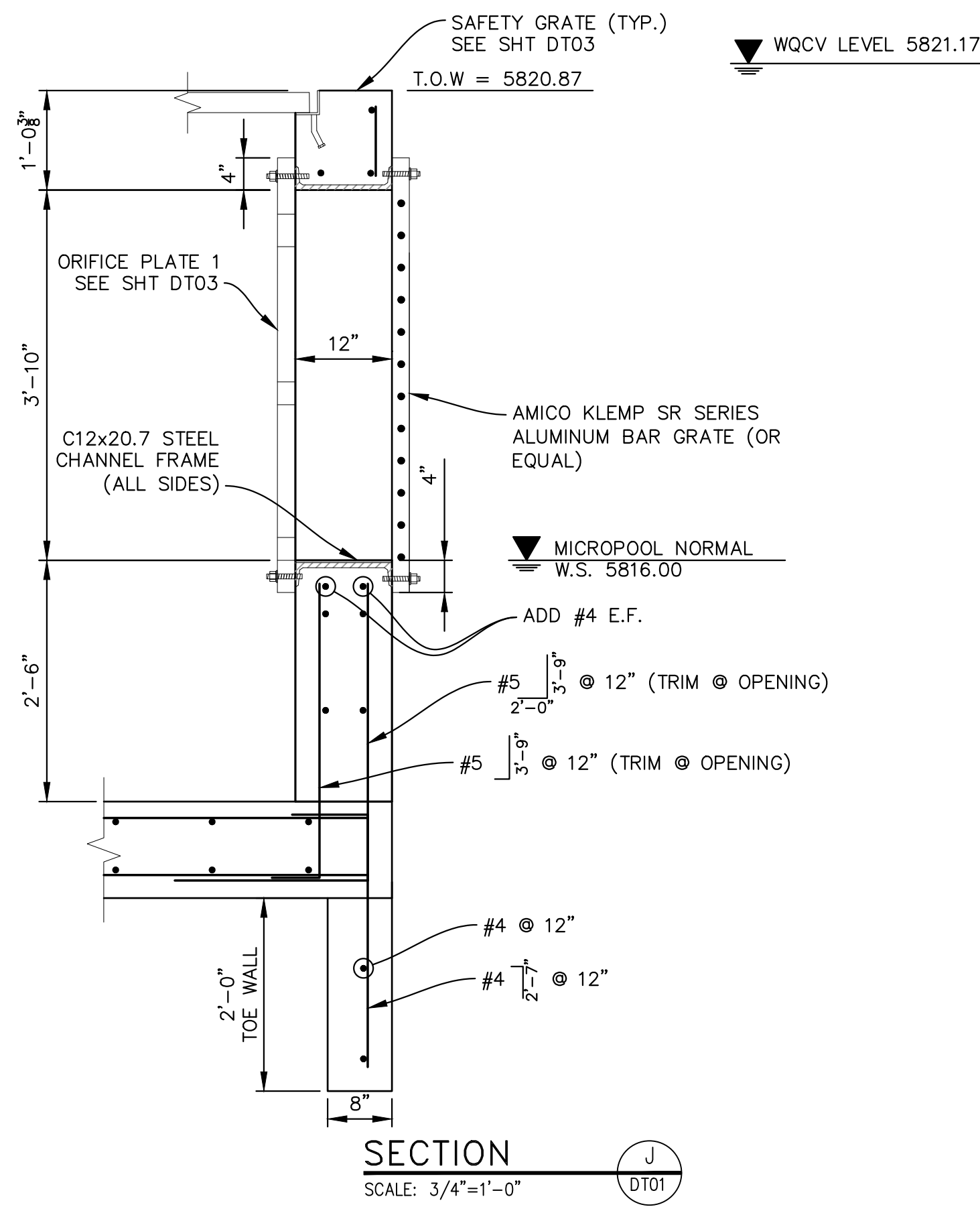
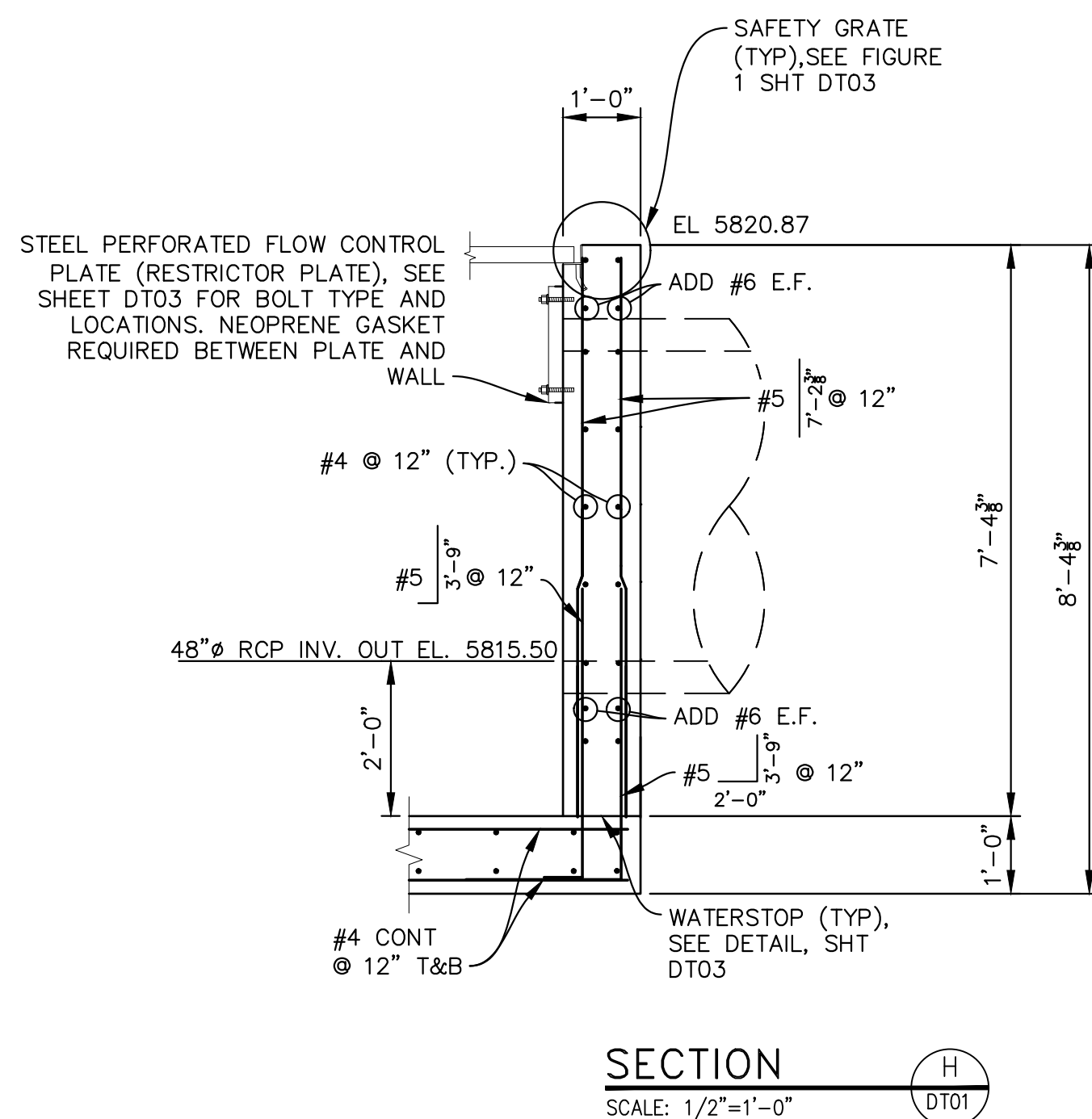
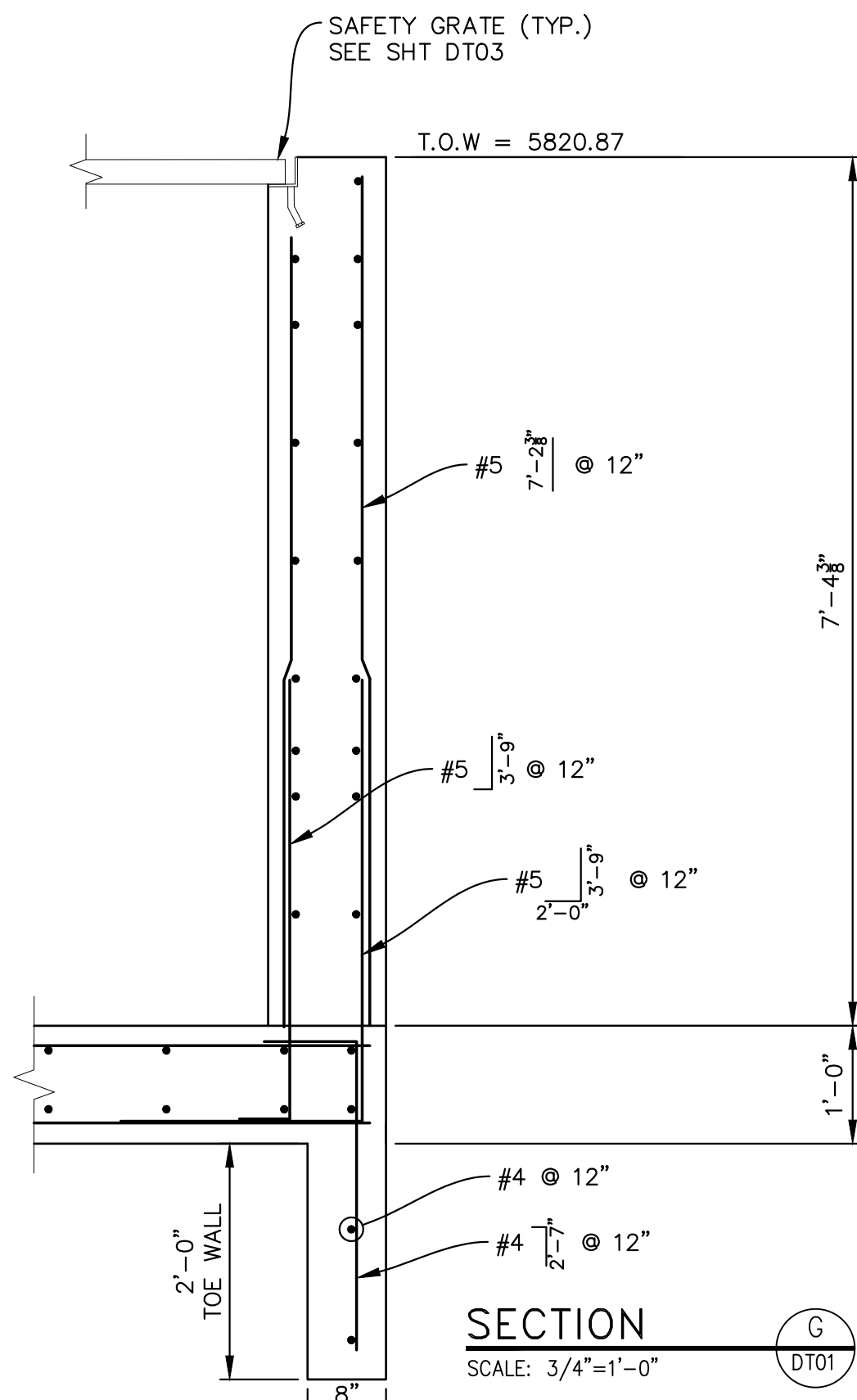
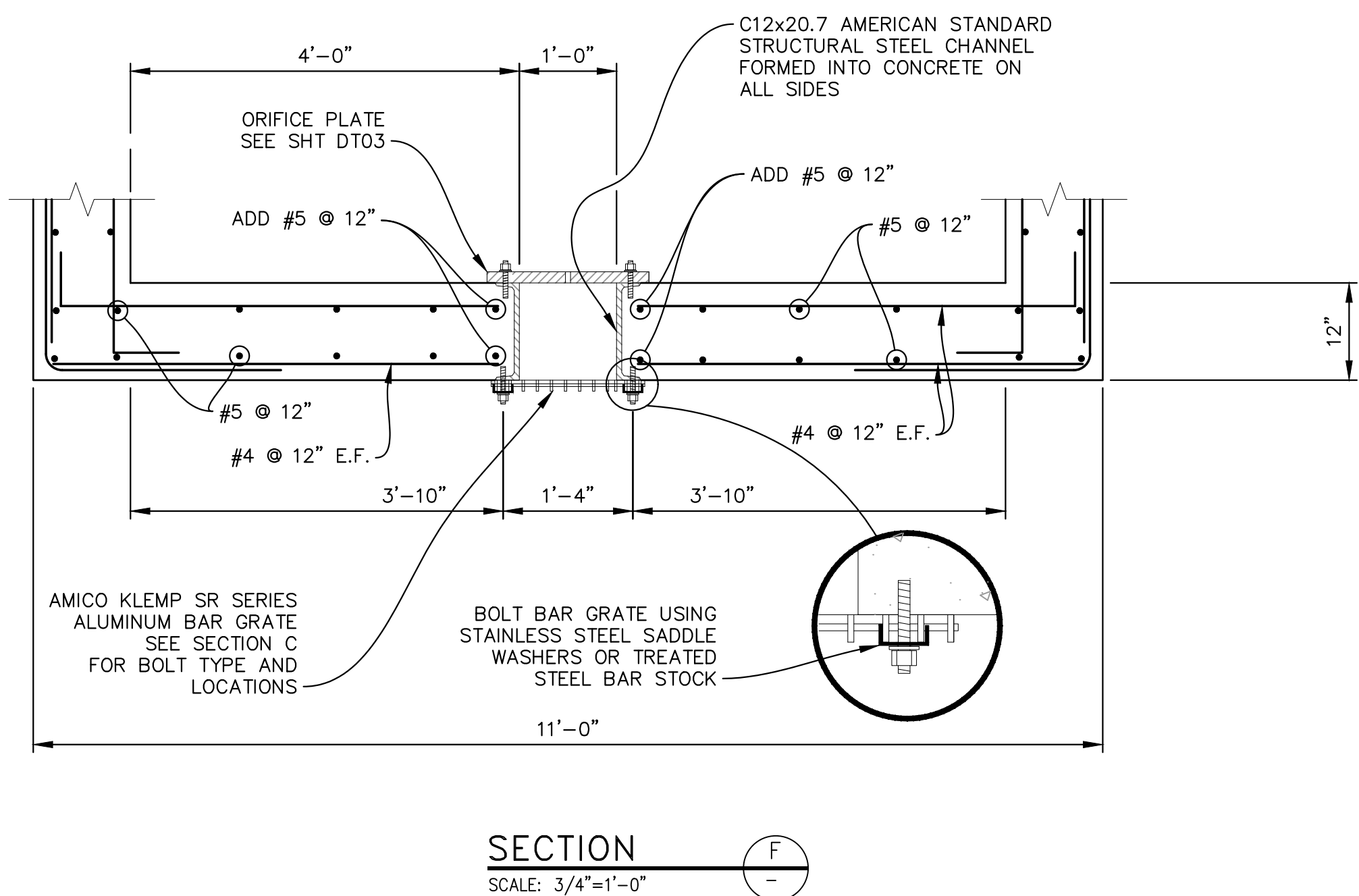
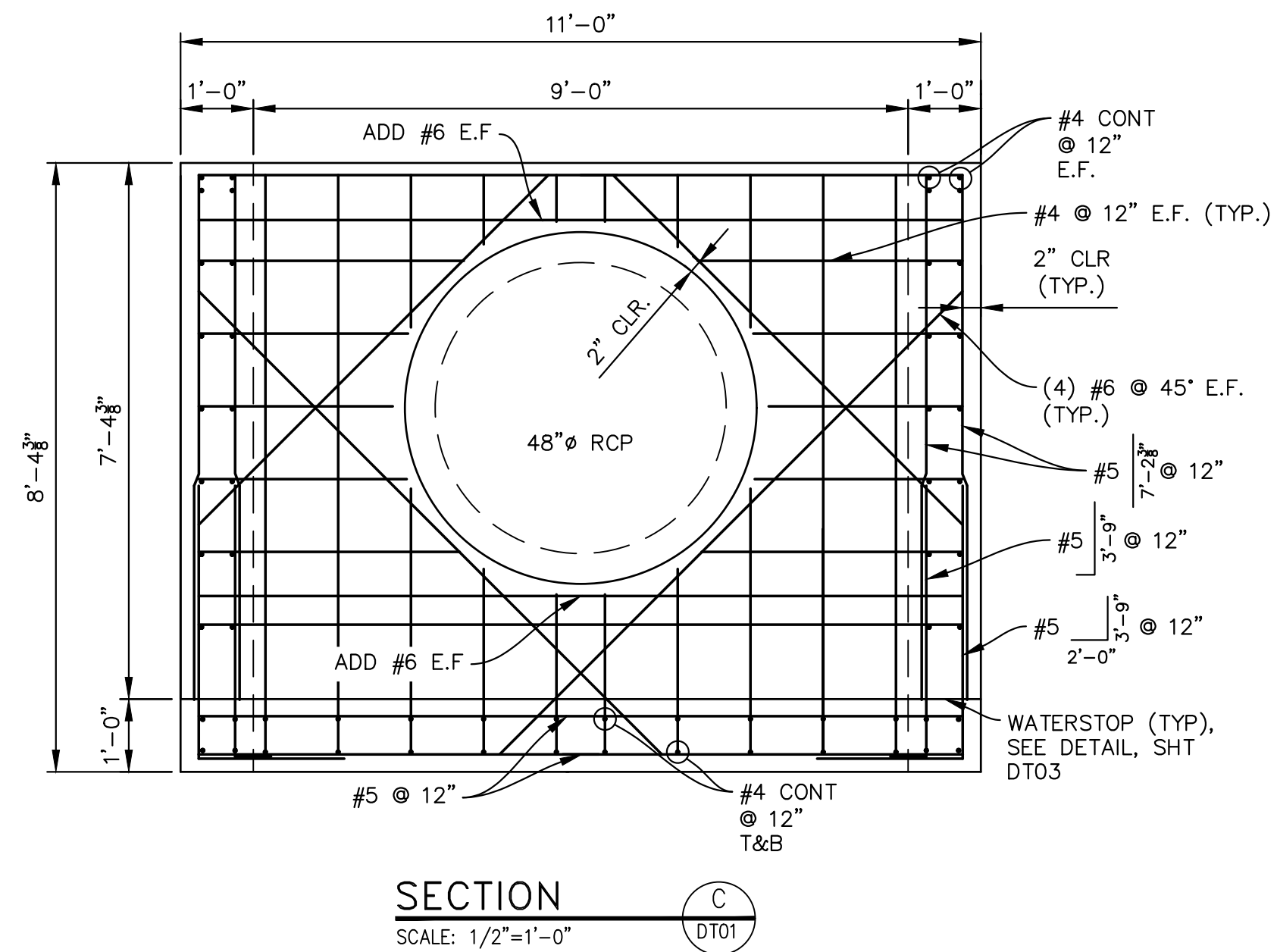
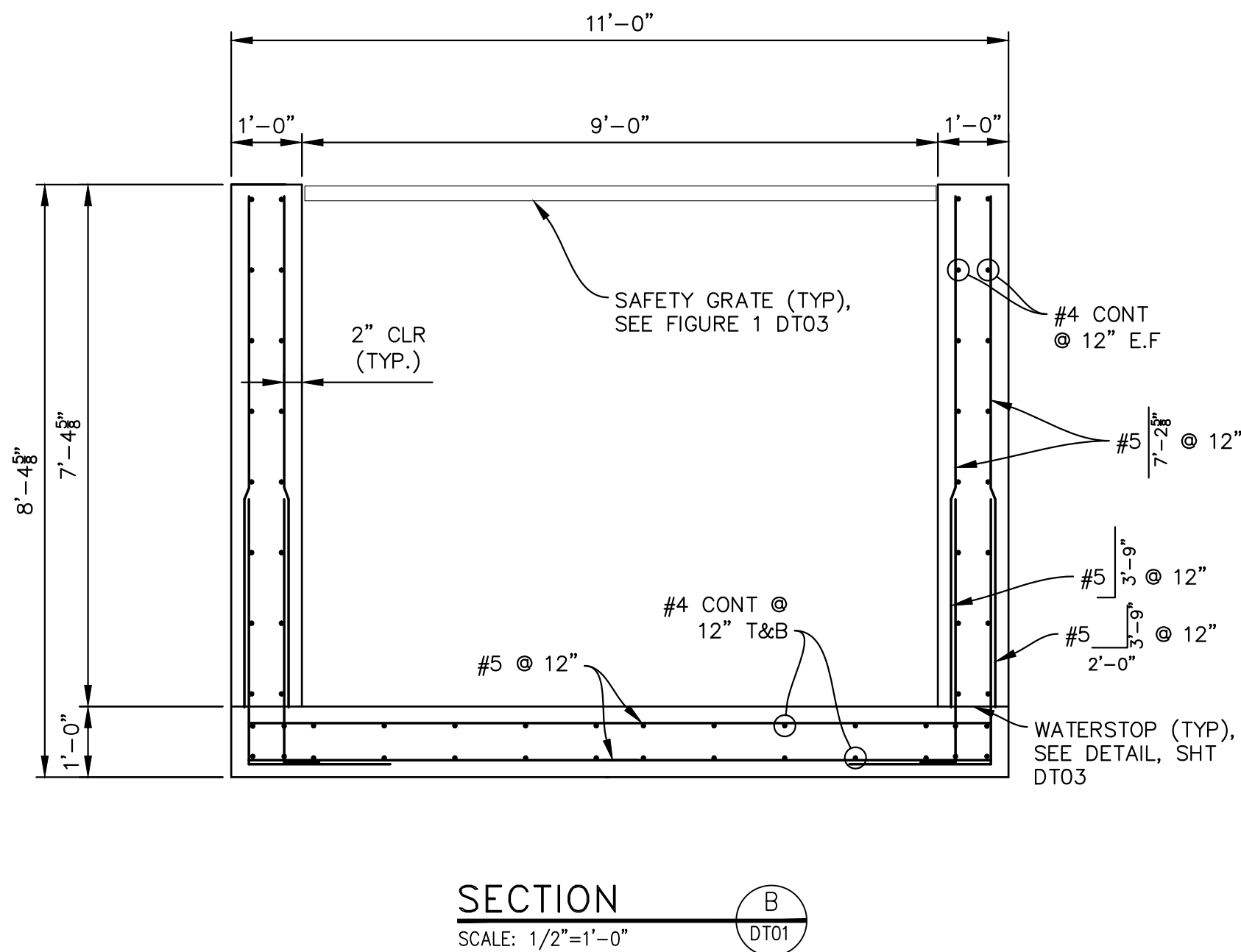
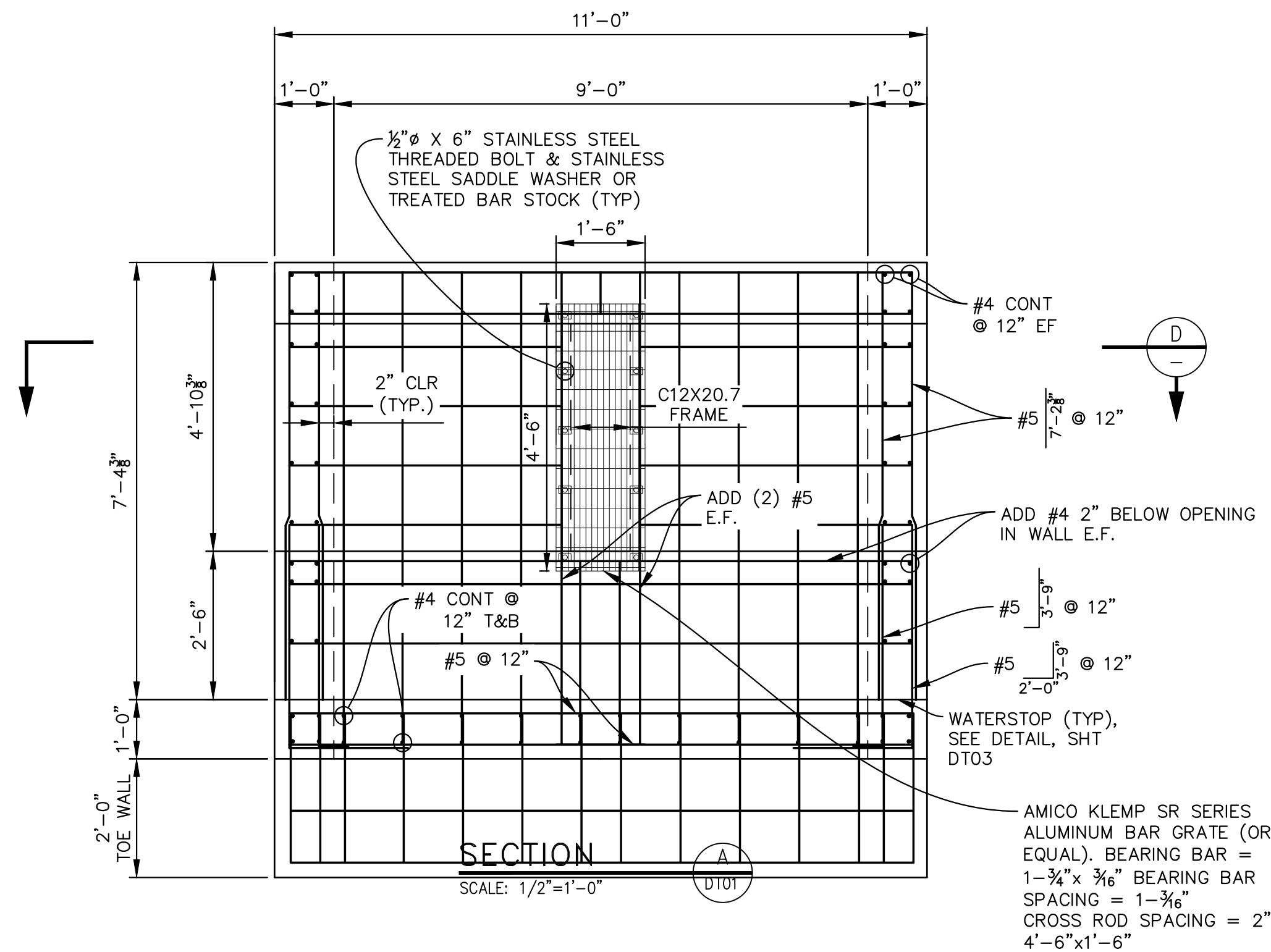
SEAL

**PRELIMINARY**  
THIS DRAWING HAS NOT BEEN APPROVED BY GOVERNING AGENCIES AND IS SUBJECT TO CHANGE

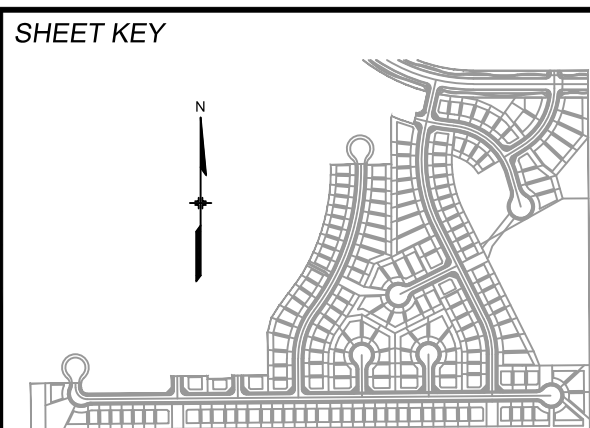
FOR AND ON BEHALF OF  
MATRIX DESIGN GROUP, INC.  
PROJECT No. 19.886.011

TRAILS AT ASPEN RIDGE					
FILING NO. 1					
ROADWAY & STORM IMPROVEMENT PLANS					
OUTLET STRUCTURE DETAILS - 1					
DESIGNED BY:	AAC	SCALE	DATE ISSUED:	JULY, 2019	DRAWING No.
DRAWN BY:	AAC	HORIZ	N.A.		
CHECKED BY:	KSL	VERT.	N.A.	SHEET	65 OF 71
					DT01





REFERENCE DRAWINGS			
No.	DATE	DESCRIPTION	BY
COMPUTER FILE MANAGEMENT			
FILE NAME: S:\19.886.011 (Trails at Aspen Ridge - F1)\100 Dwg\104 Plan Sets\Construction Plans\Road & Storm Plans\Structures\Outlet Structure 1.dwg			
CTB FILE: ---			
PLOT DATE: July 2, 2019 12:50:46 PM			
THIS DRAWING IS CURRENT AS OF PLOT DATE AND MAY BE SUBJECT TO CHANGE.			



**BENCHMARK**  
COLORADO SPRINGS UTILITIES (FIMS) MONUMENT F206  
A BERNTSEN TOP SECURITY MONUMENT SYSTEM WITH A 3.5-INCH DIAMETER ALUMINUM CAP IN A ROAD BOX, LOCATED ON THE NORTHWEST CORNER OF FONTAINE BOULEVARD AND POWERS BOULEVARD.  
ELEVATION - 5897.89' U.S. SURVEY FT

**BASIS OF BEARING**  
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**SEAL**

**PRELIMINARY**  
THIS DRAWING HAS NOT BEEN APPROVED BY GOVERNING AGENCIES AND IS SUBJECT TO CHANGE

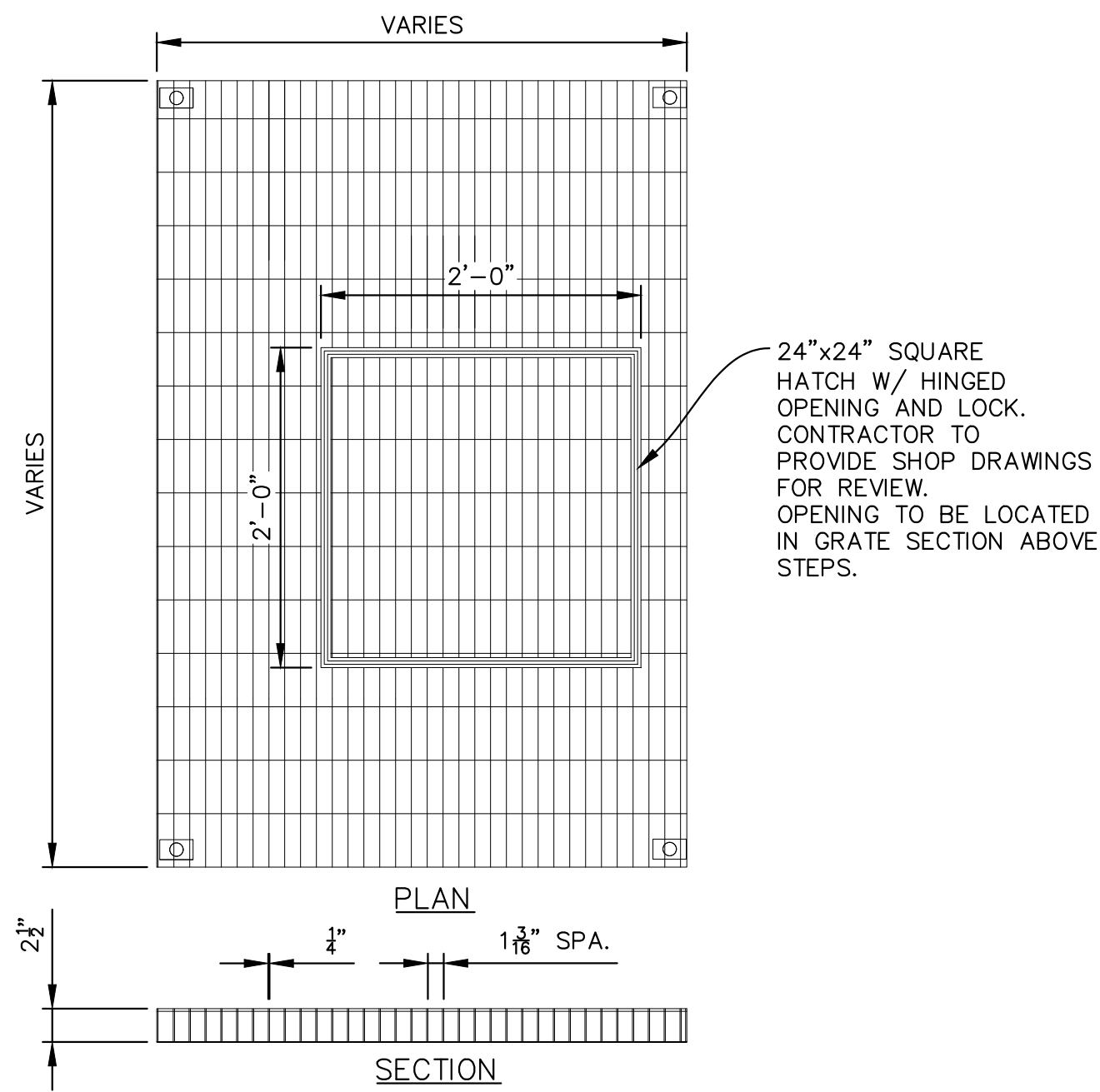
FOR AND ON BEHALF OF  
MATRIX DESIGN GROUP, INC.  
PROJECT No. 19.886.011

TRAILS AT ASPEN RIDGE			
FILING NO. 1 ROADWAY & STORM IMPROVEMENT PLANS			
OUTLET STRUCTURE DETAILS - 2			
DESIGNED BY:	AAC	SCALE	DATE ISSUED:
DRAWN BY:	AAC	HORIZ	JULY, 2019
CHECKED BY:	KSL	VERT.	66 OF 71
			DWING No. DT02

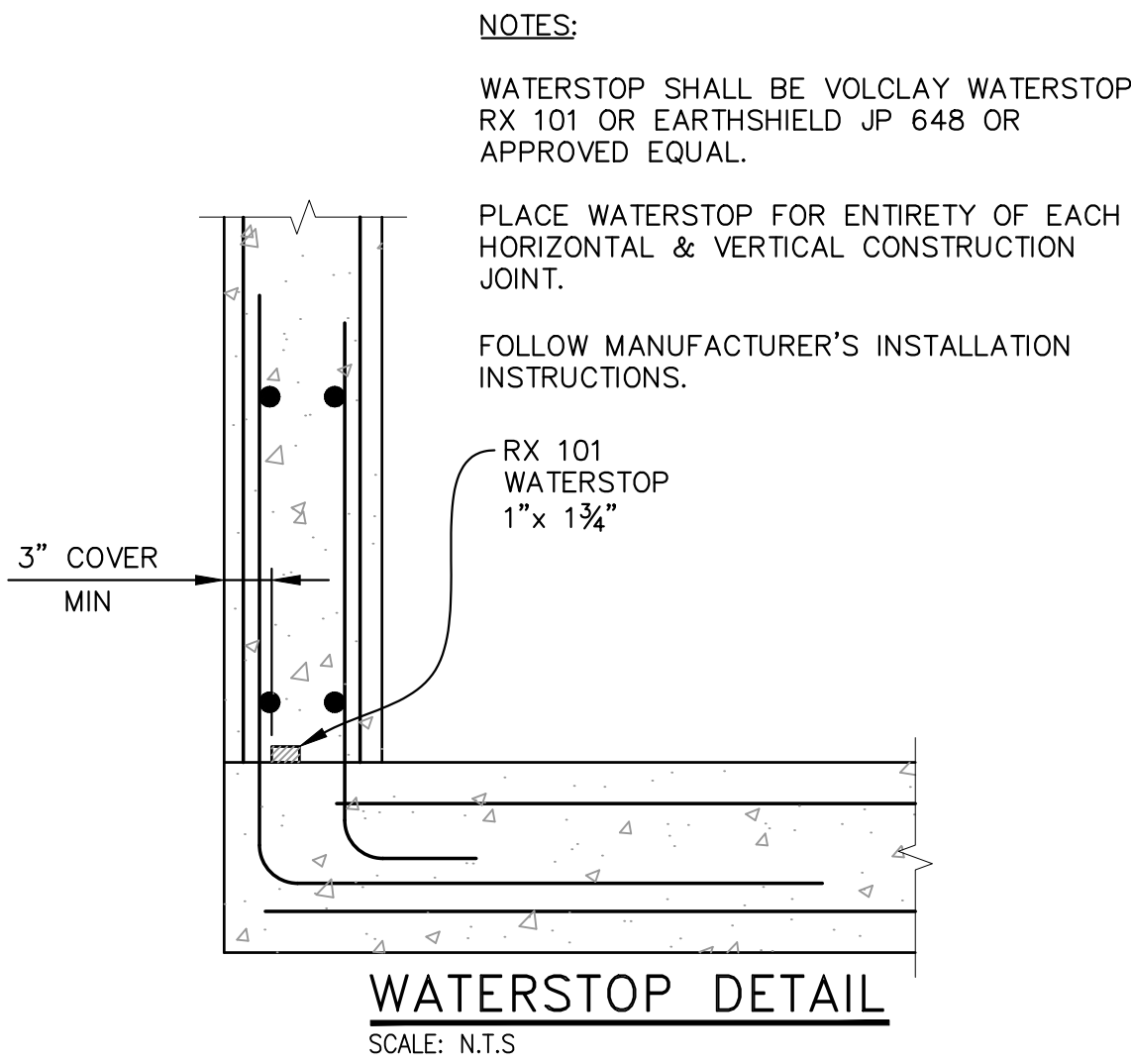




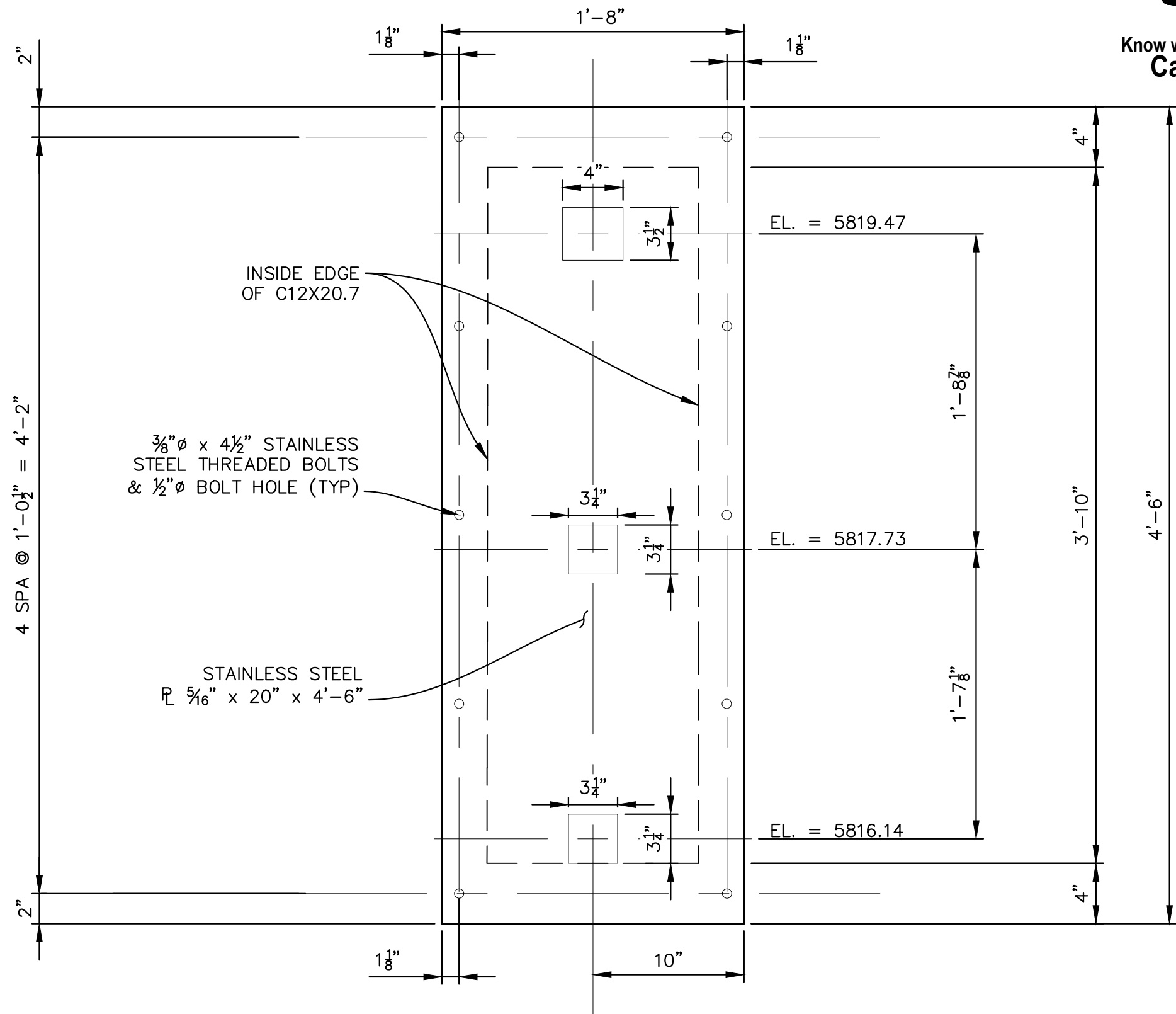
Know what's below.  
Call before you dig.



GRATE W/ HATCH DETAIL  
SCALE: N.T.S.



WATERSTOP DETAIL  
SCALE: N.T.S.



ORIFICE PLATE 1 DETAIL  
SCALE: 1-1/2" = 1'-0"

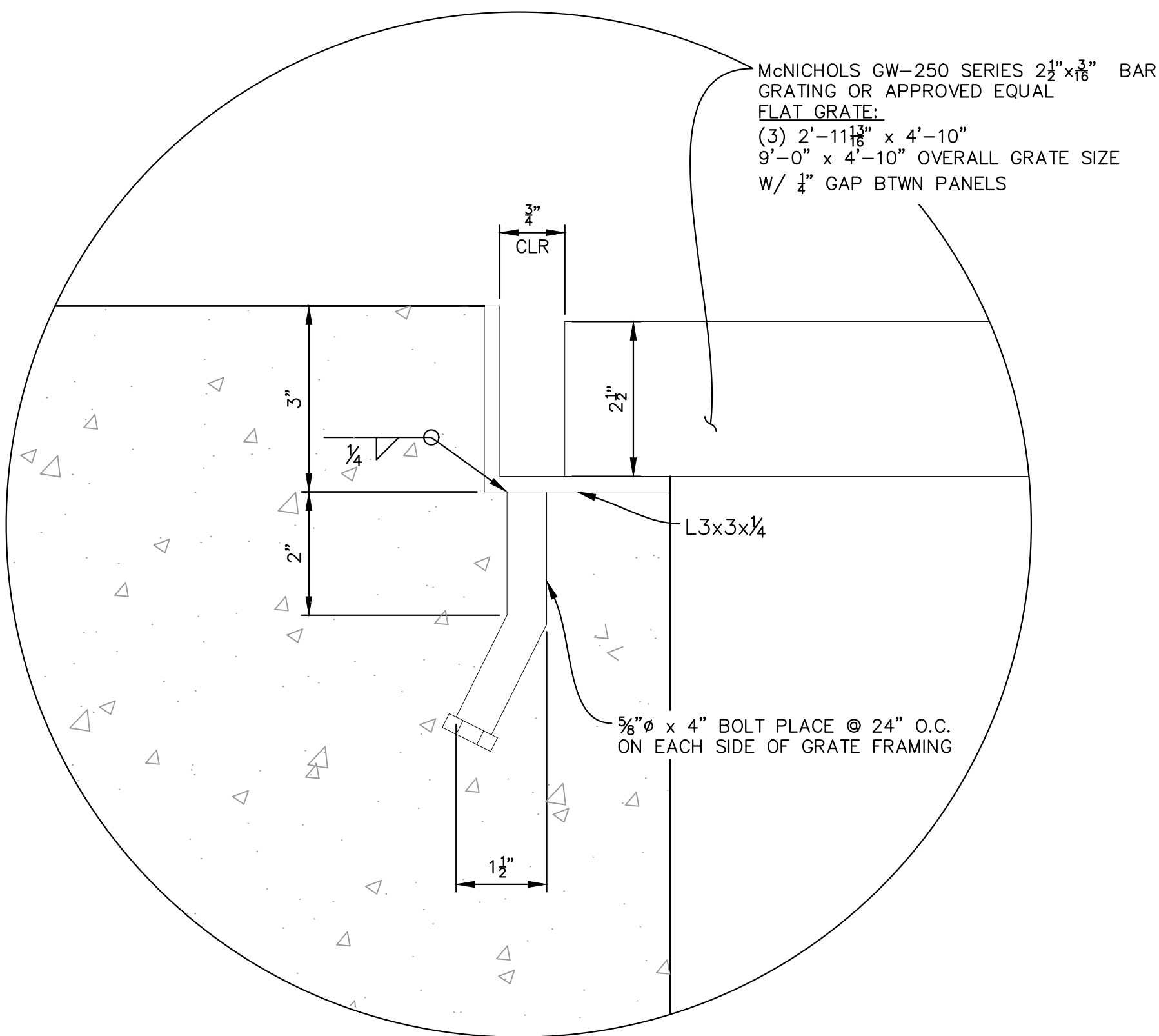
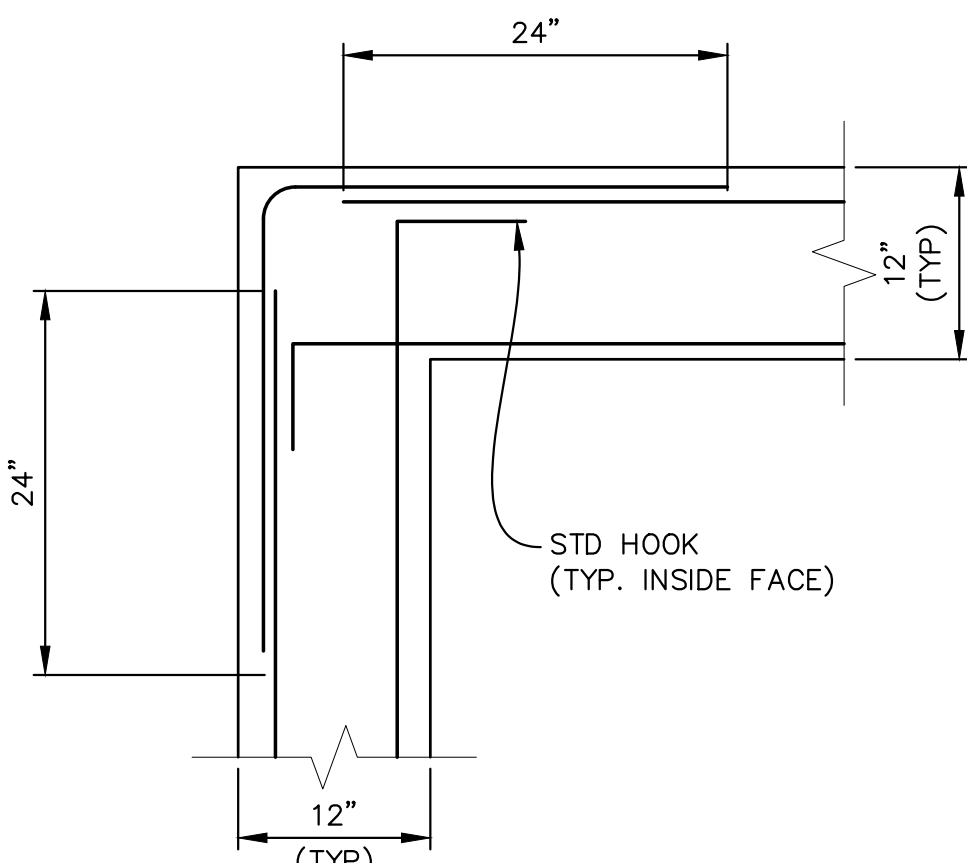
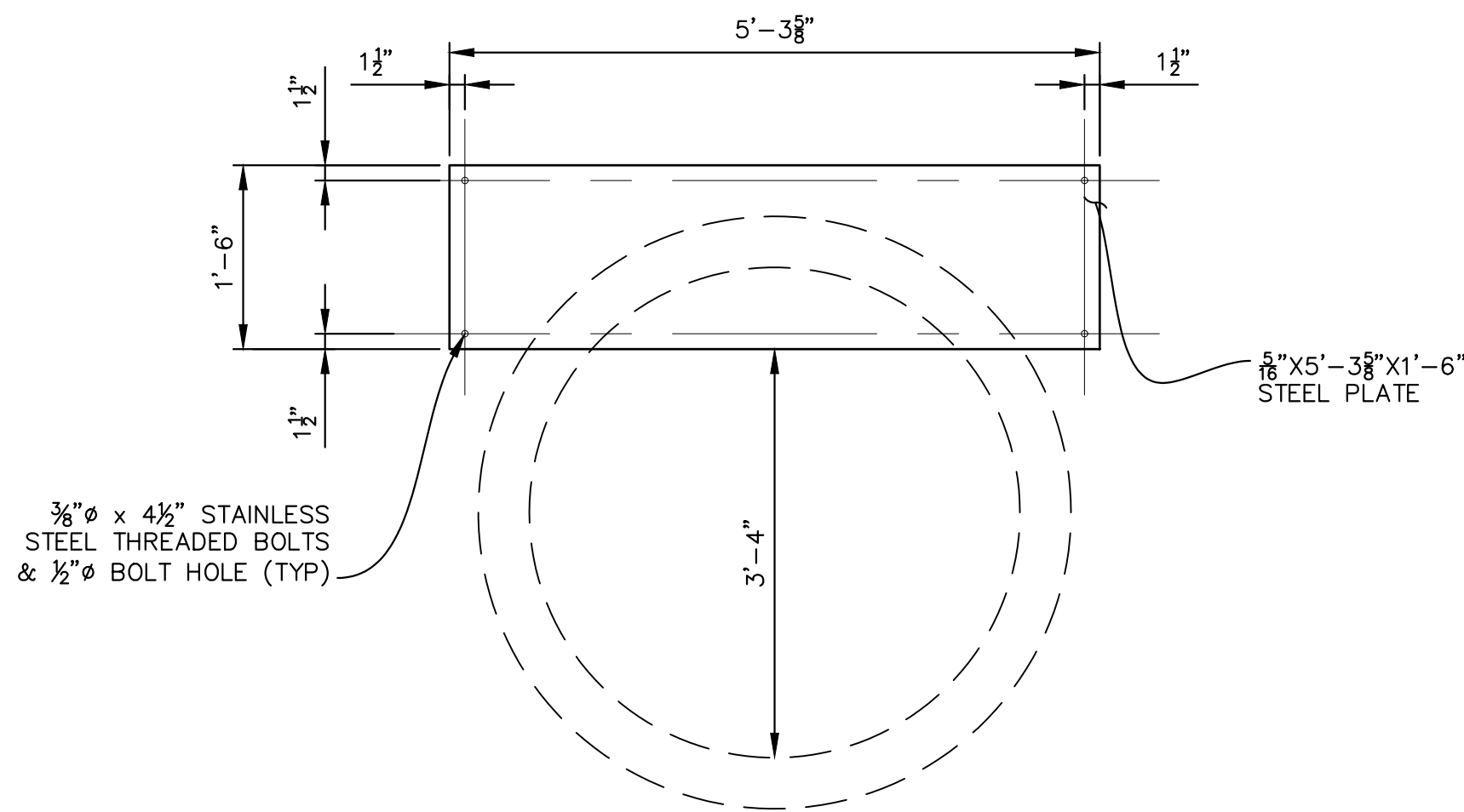


FIGURE 1  
SCALE: 6"=1'-0"



CORNER DETAIL  
SCALE: N.T.S.



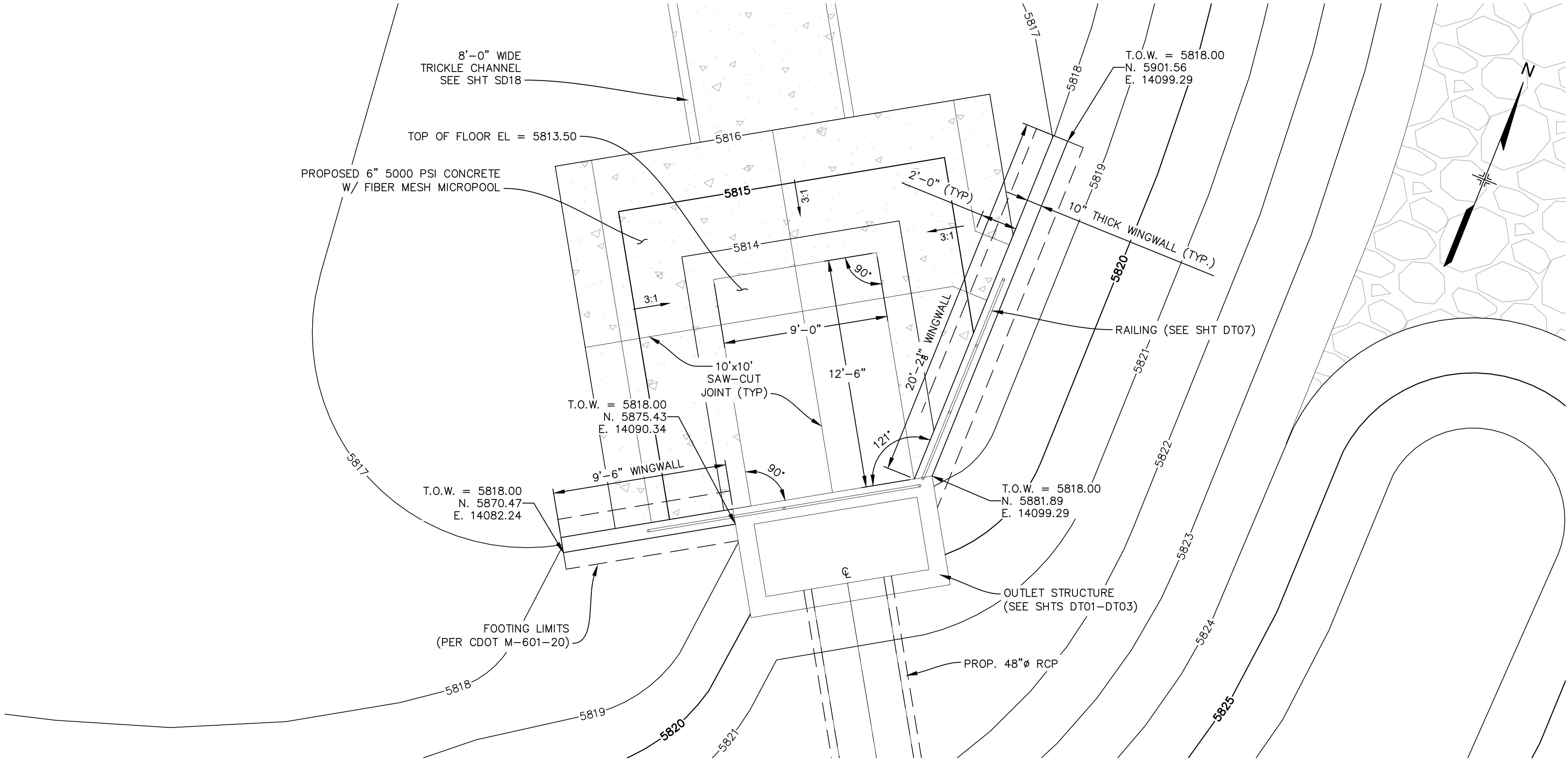
RESTRICTOR PLATE DETAIL  
SCALE: 3/4" = 1'-0"

REFERENCE DRAWINGS										SHEET KEY		BENCHMARK		SEAL		TRAILS AT ASPEN RIDGE					
												COLORADO SPRINGS UTILITIES (FIMS) MONUMENT F208 A BERNITSEN TOP SECURITY MONUMENT SYSTEM WITH A 3.5-INCH DIAMETER ALUMINUM CAP IN A ROAD BOX, LOCATED ON THE NORTHWEST CORNER OF FONTAINE BOULEVARD AND POWERS BOULEVARD. ELEVATION - 5897.89' U.S. SURVEY FT		<div><div>PRELIMINARY</div><div>THIS DRAWING HAS NOT BEEN APPROVED BY GOVERNING AGENCIES AND IS SUBJECT TO CHANGE</div></div>		FILING NO. 1 ROADWAY & STORM IMPROVEMENT PLANS					
												BASIS OF BEARING				OUTLET STRUCTURE DETAILS -3					
No.		DATE		DESCRIPTION				BY				BEARINGS ARE BASED ON THE NORTH LINE OF THE NORTHWEST QUARTER OF SECTION 9, TOWNSHIP 15 SOUTH, RANGE 65 WEST OF THE 6TH P.M. SAID LINE BEARS S89°51'23"E FROM THE NORTHWEST CORNER OF SAID SECTION 9 (2 1/2" AULM. CAP PLS 17664) TO THE N 1/4 CORNER OF SAID SECTION 9 (3 1/4" AULM. CAP PLS 10377)									

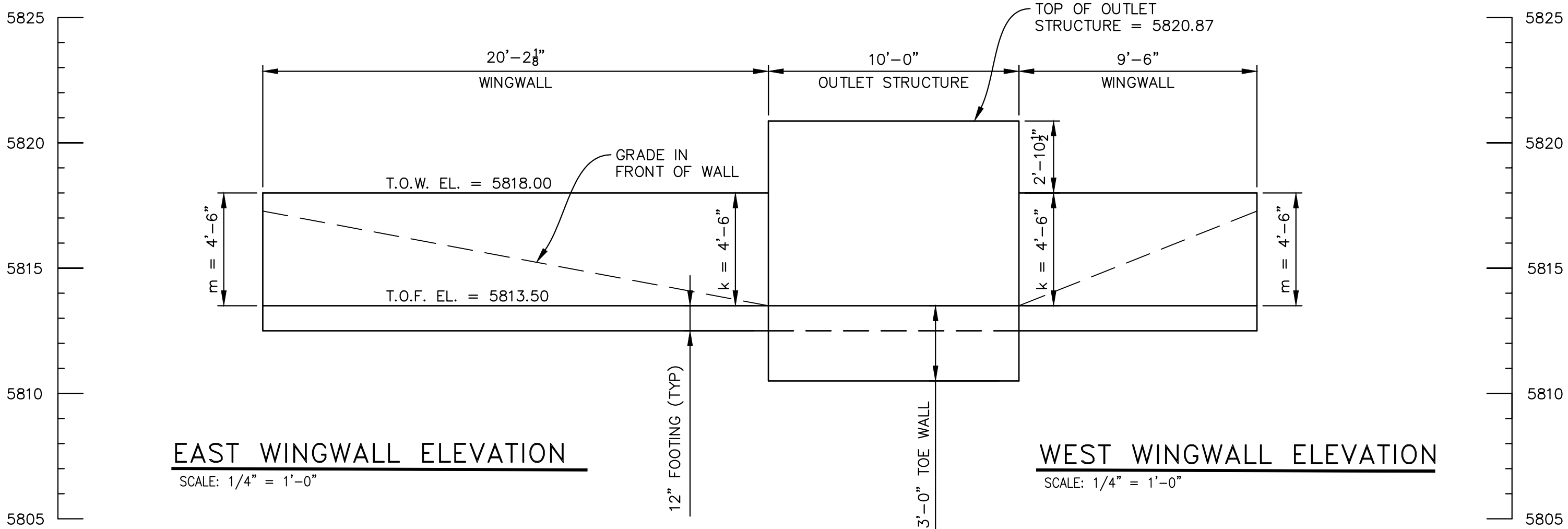




- NOTES:
1. ALL WINGWALLS PER CDOT STANDARD M-601-20.
  2. RAIL SPACING TO NOT EXCEED 8'-0" O.C.
  3. TERMINATE RAILING WHERE FALL HEIGHT IS LESS THAN 30".
  4. LIMIT GAP IN ADJACENT RAILING POSTS TO MAXIMUM OF 4".



OUTLET STRUCTURE PLAN  
SCALE: 1/4" = 1'-0"



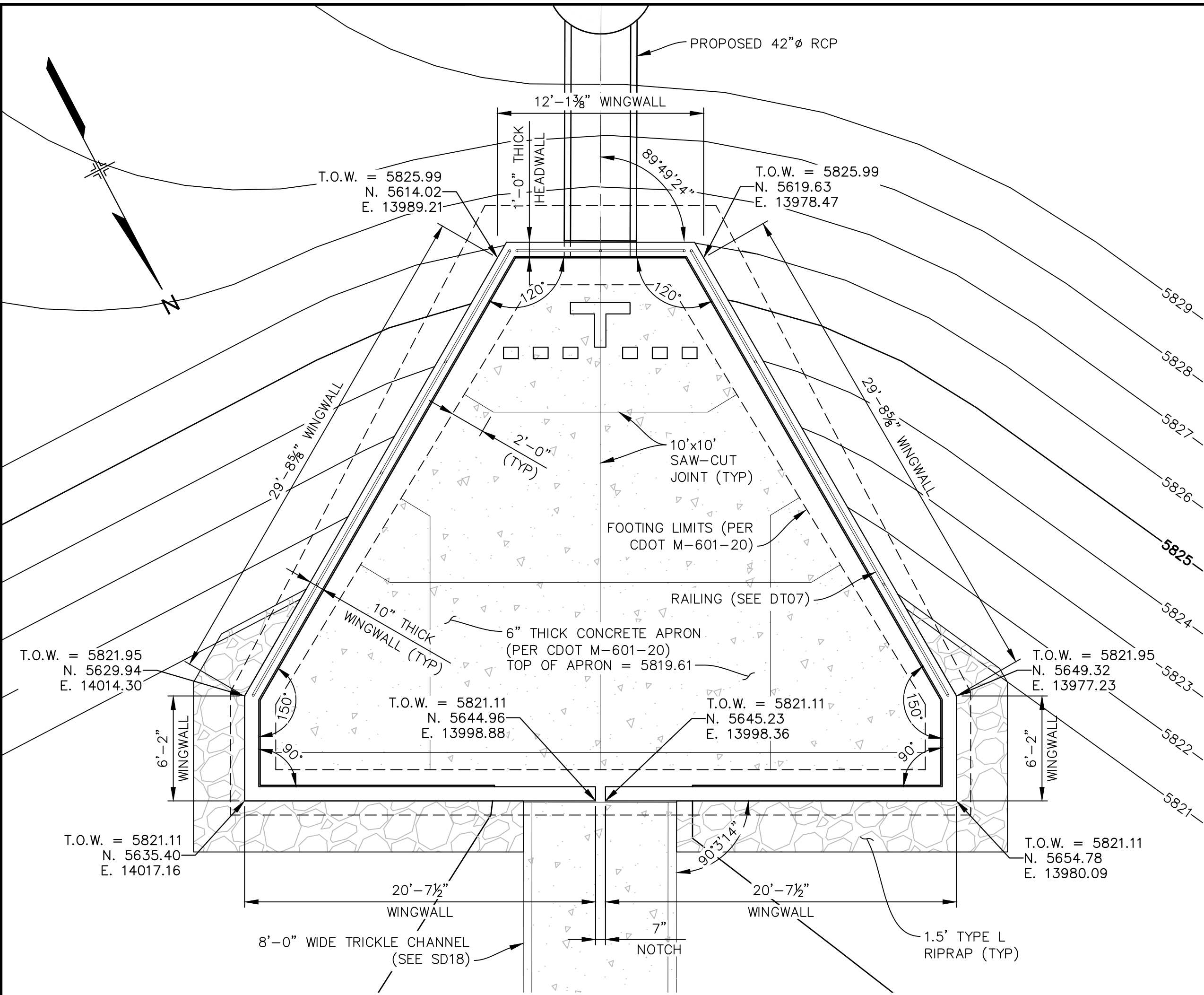
\* RAILING NOT SHOW FOR CLARITY

REFERENCE DRAWINGS																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																			</
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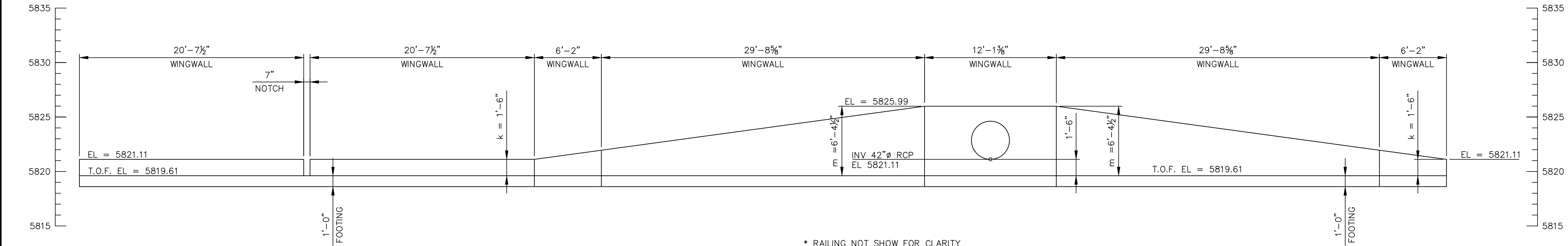
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SOUTH FOREBAY PLAN

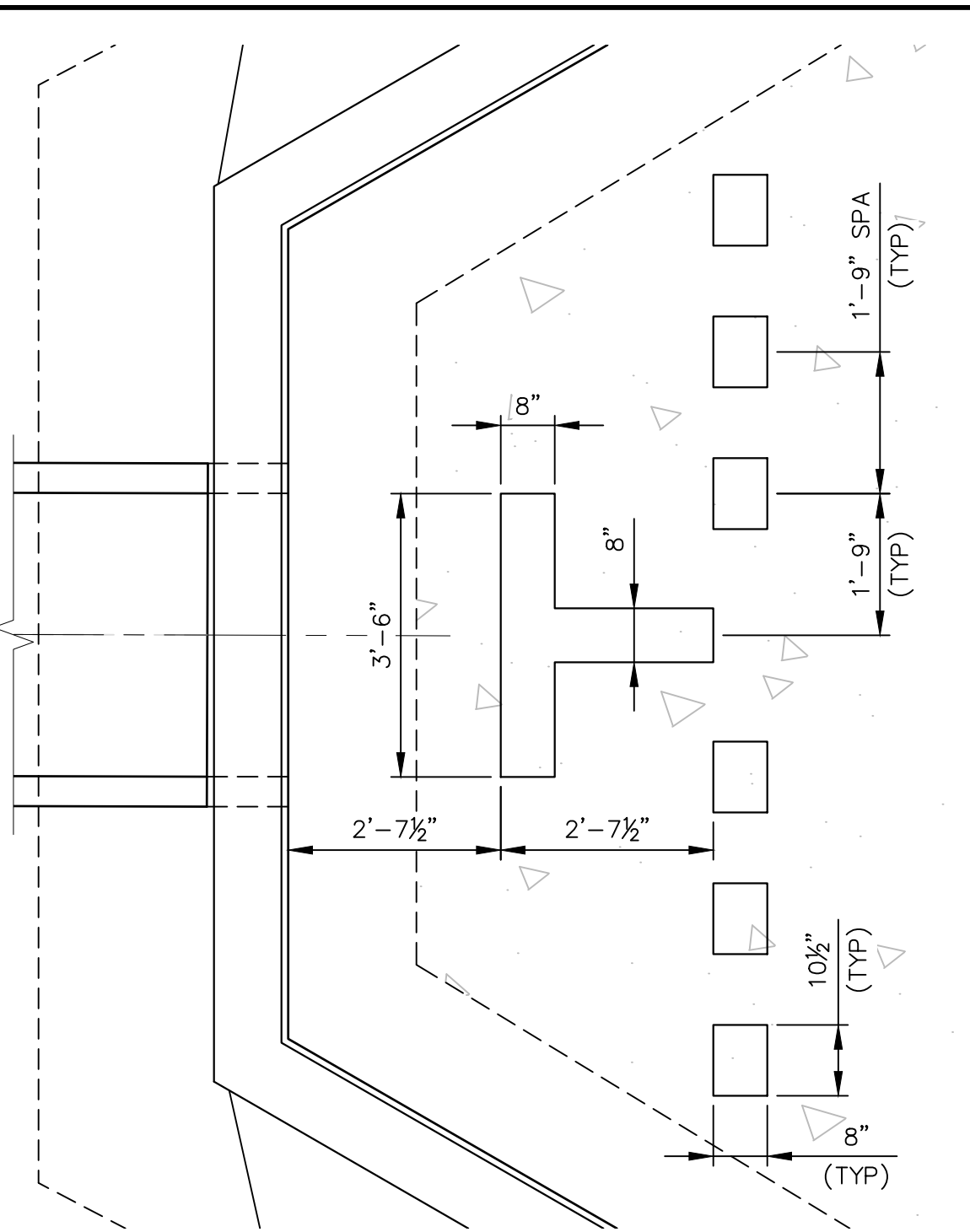
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VOLUME REQUIRED = 634 cf



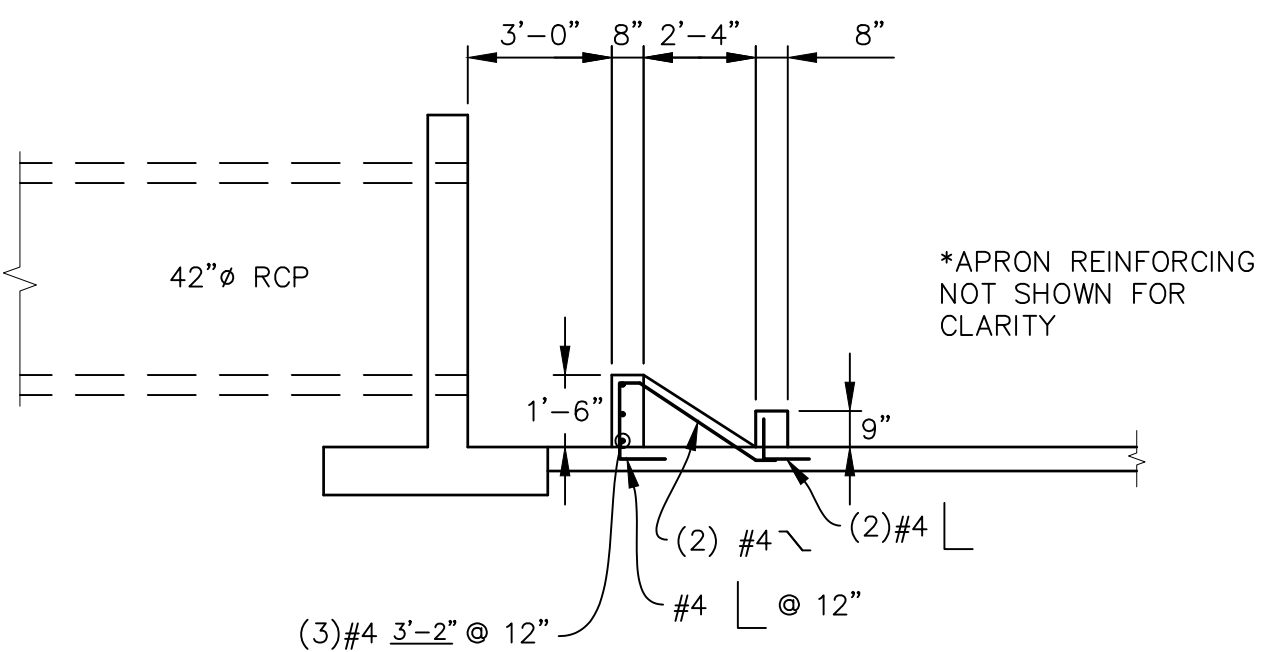
EAST WINGWALL ELEVATION

SCALE: 3/16"= 1'-0"



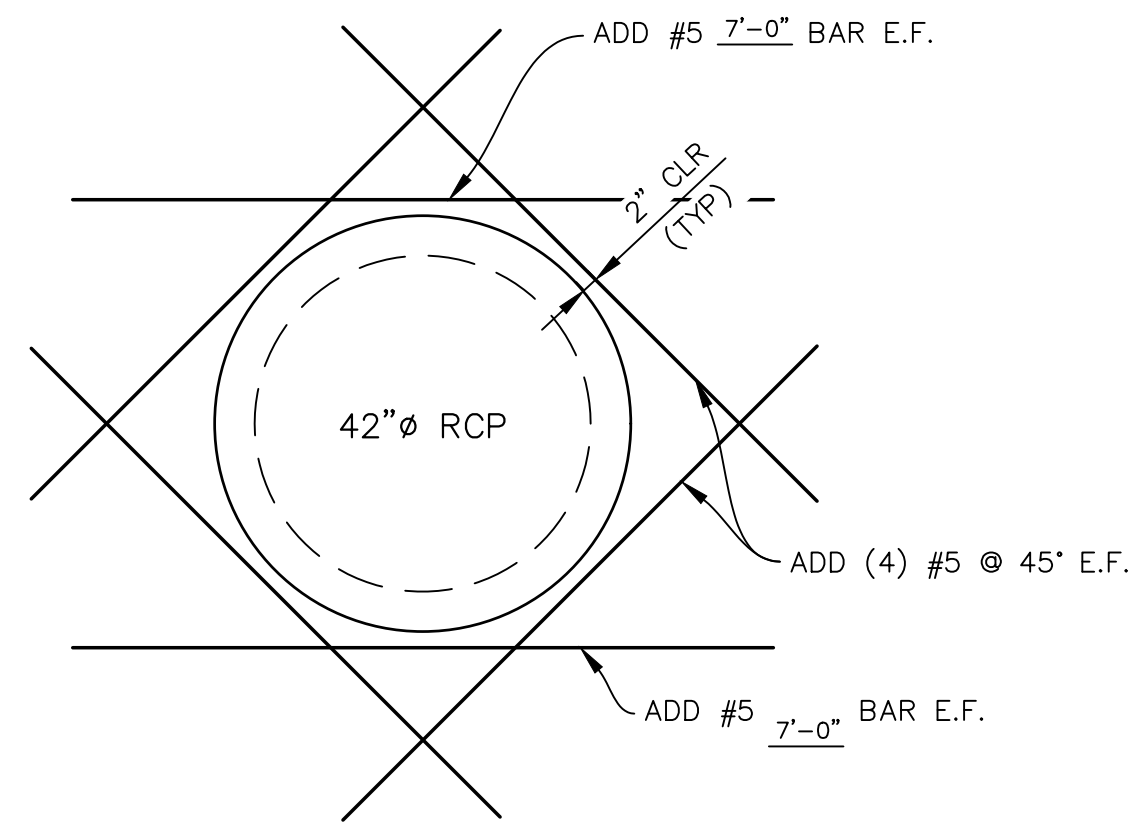
TYPICAL DISSIPATION BLOCK LAYOUT

SCALE: 1/2"= 1'-0"



TYPICAL DISSIPATION BLOCK ELEVATION

SCALE: 1/2"= 1'-0"

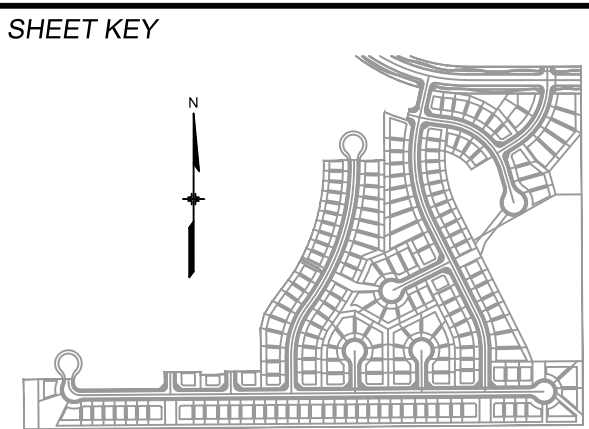


WINGWALL PENETRATION DETAIL

SCALE: 1/2"= 1'-0"

- NOTES:
1. ALL WINGWALLS PER CDOT STANDARD M-601-20.
  2. 1'-6" WIDE NOTCH TO EXTEND TO TOP OF APRON.
  3. RAIL SPACING TO NOT EXCEED 8'-0" O.C.
  4. TERMINATE RAILING WHERE FALL HEIGHT IS LESS THAN 30".
  5. LIMIT GAP IN ADJACENT RAILING POSTS TO MAXIMUM OF 4".

REFERENCE DRAWINGS					
No.	DATE	DESCRIPTION	BY		
COMPUTER FILE MANAGEMENT					
FILE NAME: S:\19.886.011 (Trails at Aspen Ridge - F1)\100 Dwg\104 Plan Sets\Construction Plans\Road & Storm Plans\Structures\South Forebay.dwg					
CTB FILE: ----					
PLOT DATE: July 2, 2019 12:51:46 PM					
THIS DRAWING IS CURRENT AS OF PLOT DATE AND MAY BE SUBJECT TO CHANGE.					



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COLORADO SPRINGS UTILITIES (FIMS) MONUMENT F206  
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**SEAL**

**PRELIMINARY**  
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FOR AND ON BEHALF OF  
MATRIX DESIGN GROUP, INC.  
PROJECT No. 19.886.011

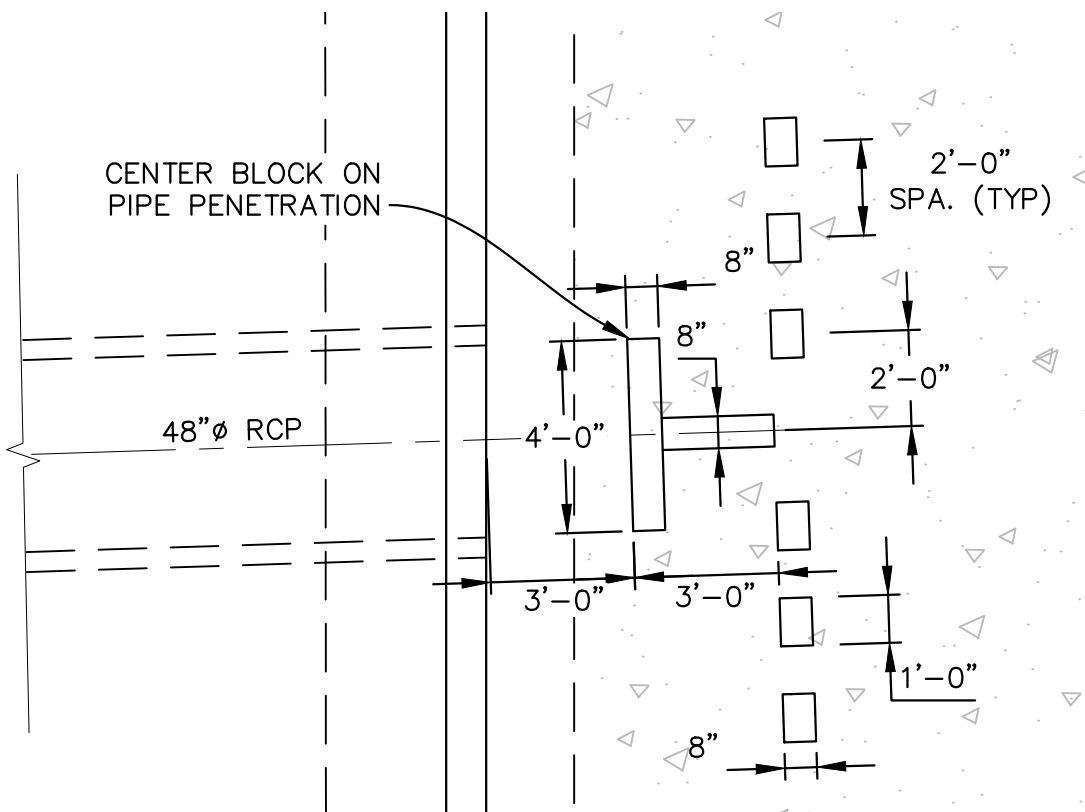
TRAILS AT ASPEN RIDGE					
FILING NO. 1 ROADWAY & STORM IMPROVEMENT PLANS					
SOUTH FOREBAY					
DESIGNED BY:	AAC	SCALE	DATE ISSUED:	JULY, 2019	DRAWING No.
DRAWN BY:	AAC	HORIZ 3/16"= 1'			
CHECKED BY:	KSL	VERT. N.A.	SHEET	69 OF 71	DT05





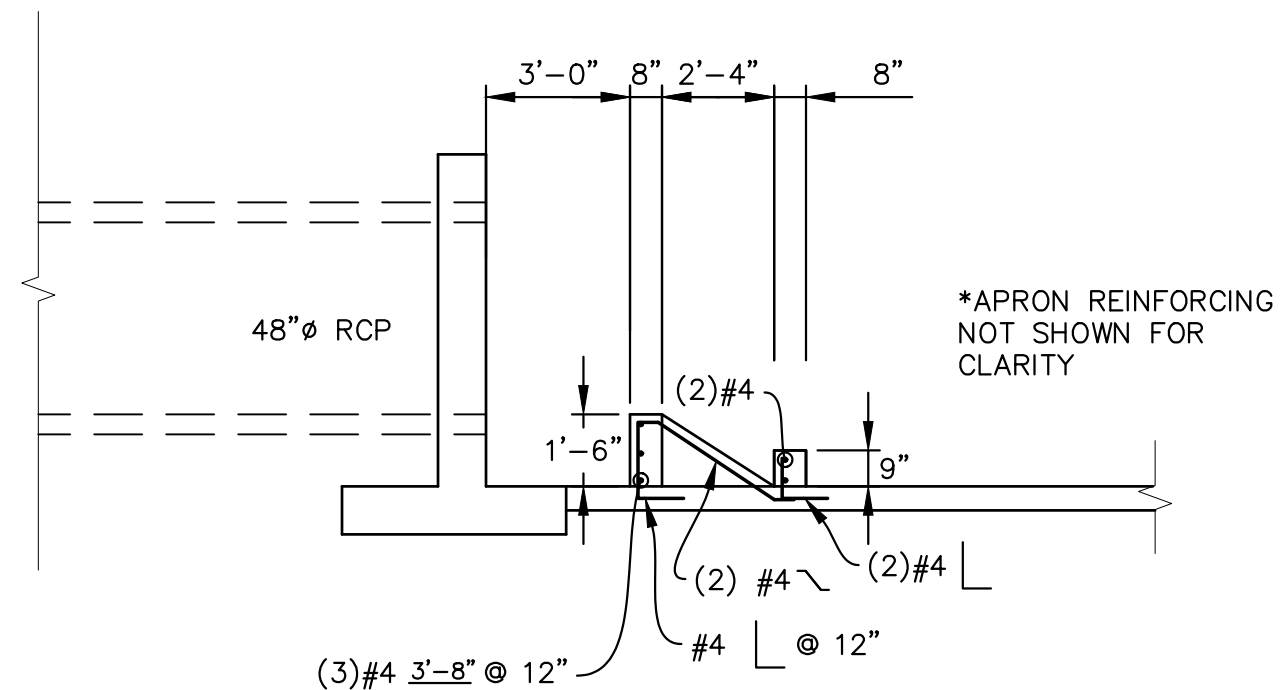
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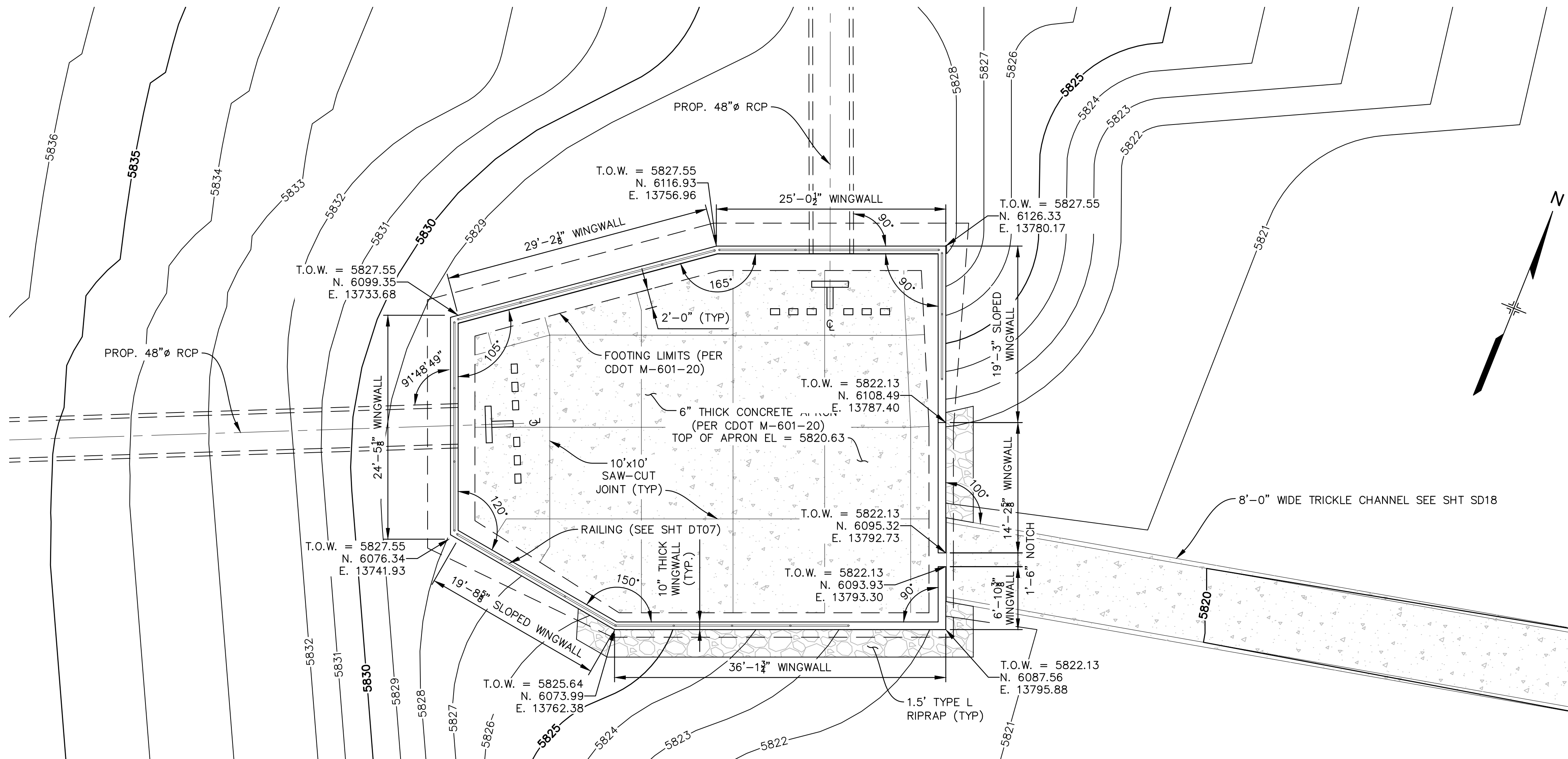
TYPICAL DISSIPATION BLOCK LAYOUT

SCALE: 1/2"= 1'-0"



TYPICAL DISSIPATION BLOCK ELEVATION

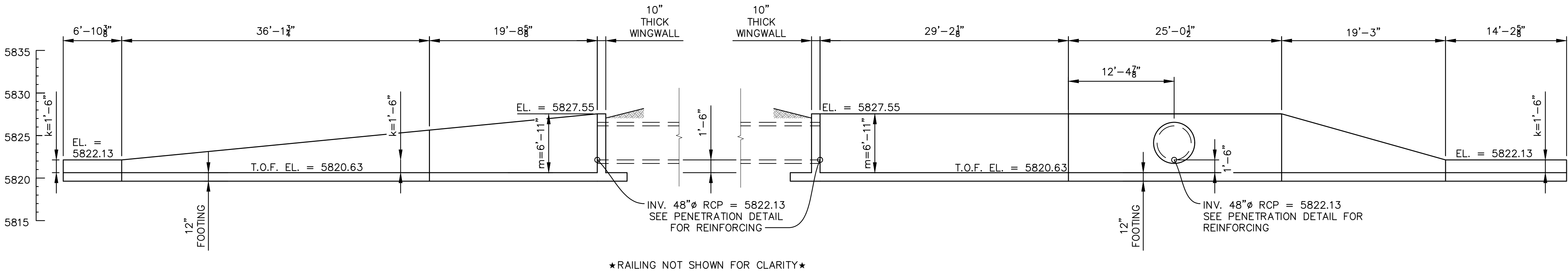
SCALE: 1/2"= 1'-0"



NORTH FOREBAY PLAN

SCALE: 1/8"= 1'-0"

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VOLUME REQUIRED = 2,702 cf

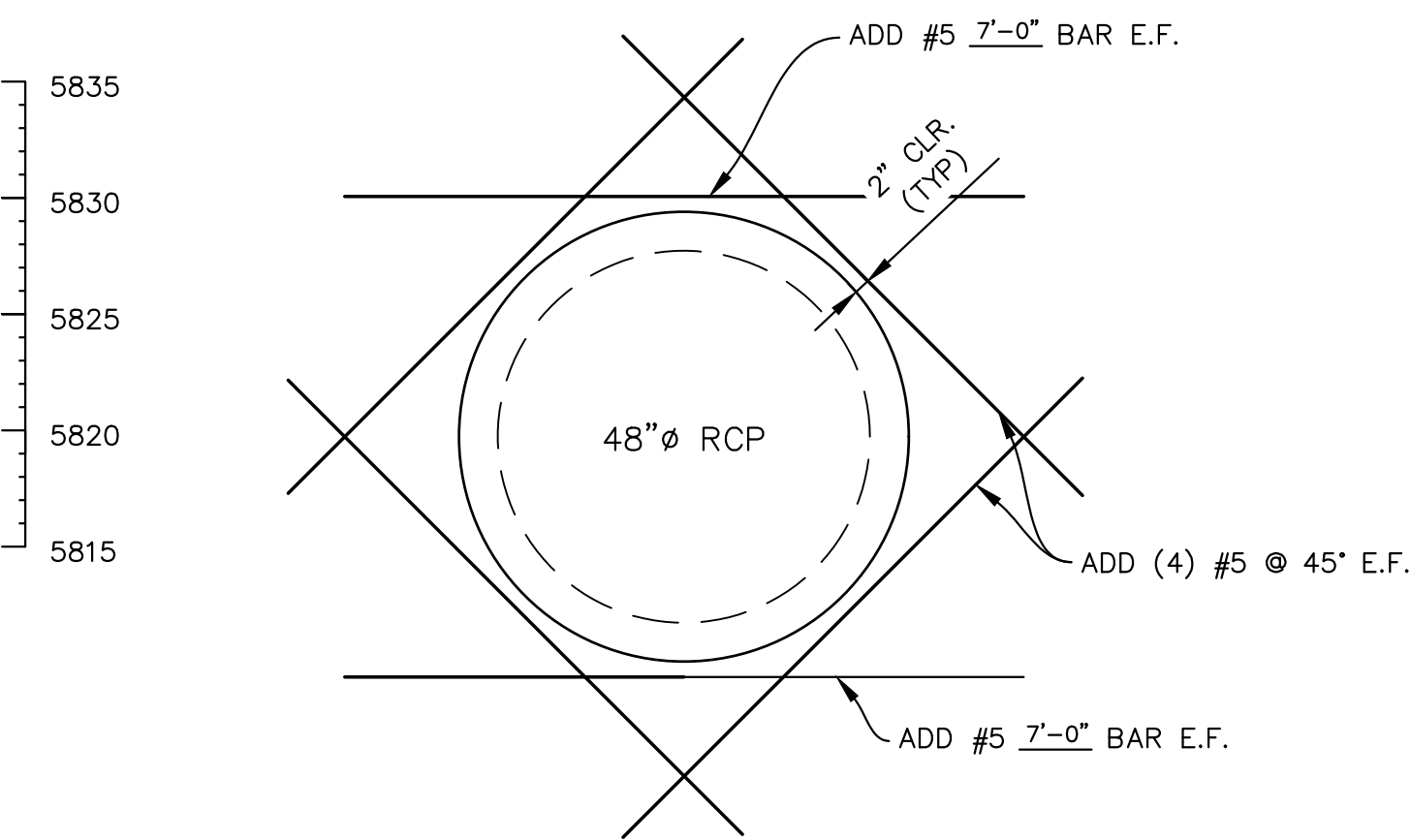


SOUTH WINGWALL ELEVATION

SCALE: 1/8"= 1'-0"

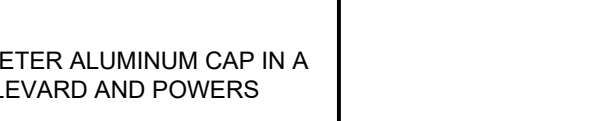
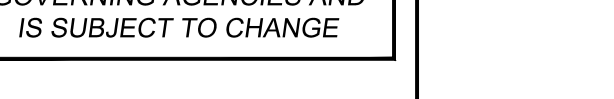
NORTH WINGWALL ELEVATION

SCALE: 1/8"= 1'-0"



WINGWALL PENETRATION DETAIL

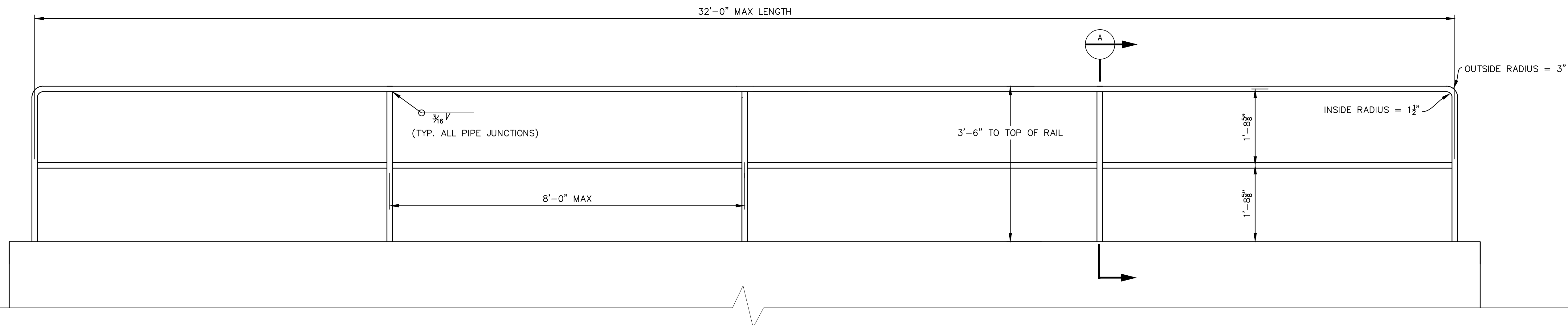
SCALE: 1/2"= 1'-0"

REFERENCE DRAWINGS			SHEET KEY			BENCHMARK			SEAL			TRAILS AT ASPEN RIDGE					
						COLORADO SPRINGS UTILITIES (FIMS) MONUMENT F208 A BERTSEN TOP SECURITY MONUMENT SYSTEM WITH A 3.5-INCH DIAMETER ALUMINUM CAP IN A ROAD BOX, LOCATED ON THE NORTHWEST CORNER OF FONTAINE BOULEVARD AND POWERS BOULEVARD. ELEVATION - 5897.89' U.S. SURVEY FT			<div>PREPARED BY:</div> <div></div>			FILING NO. 1					
												ROADWAY & STORM IMPROVEMENT PLANS					
												NORTH FOREBAY					
No. DATE DESCRIPTION BY						PRELIMINARY THIS DRAWING HAS NOT BEEN APPROVED BY GOVERNING AGENCIES AND IS SUBJECT TO CHANGE			FOR AND ON BEHALF OF MATRIX DESIGN GROUP, INC. PROJECT No. 19.886.011			DESIGNED BY: AAC AAC SCALE DATE ISSUED: JULY, 2019 DRAWING No. DT06					
COMPUTER FILE MANAGEMENT												HORIZ. N.A. SHEET 70 OF 71					
FILE NAME: S:\19.886.011 (Trails at Aspen Ridge - F1)\100 Dwg\104 Plan Sets\Construction Plans\Road & Storm Plans\Structures\North Forebay.dwg																	
CTB FILE: ---																	
PLOT DATE: July 2, 2019 12:52:09 PM																	
THIS DRAWING IS CURRENT AS OF PLOT DATE AND MAY BE SUBJECT TO CHANGE.																	



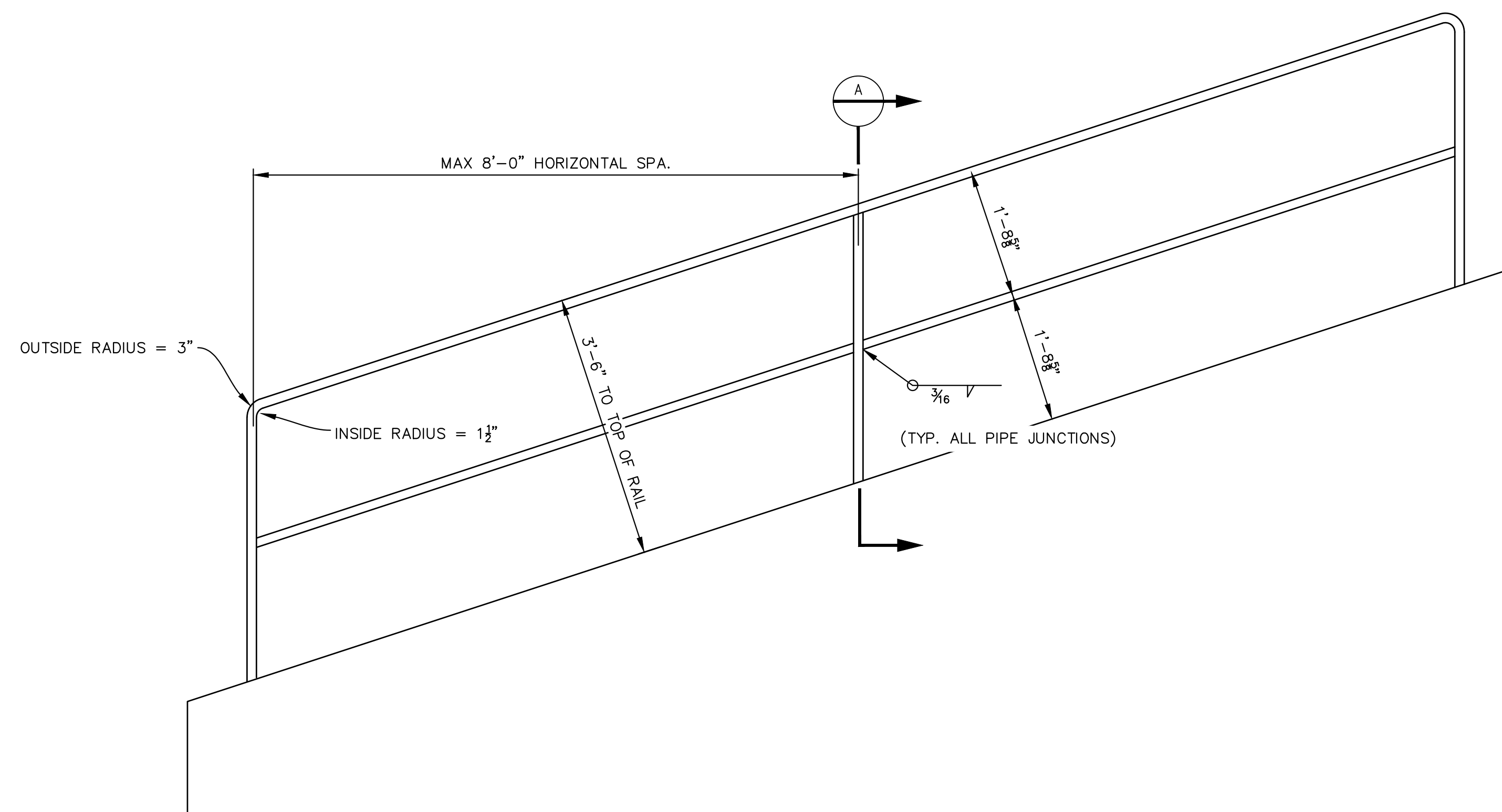


Know what's **below**.  
**Call** before you dig.



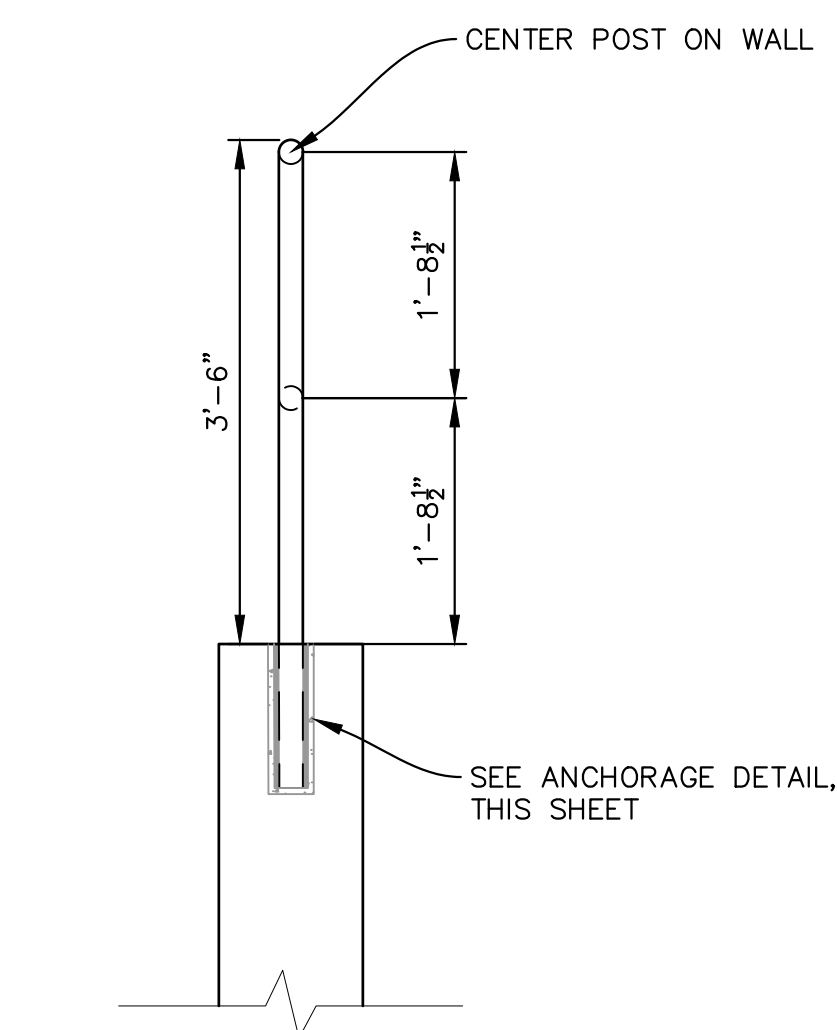
## WINGWALL HANDRAIL DETAIL

SCALE:  $3/4" = 1'-0"$



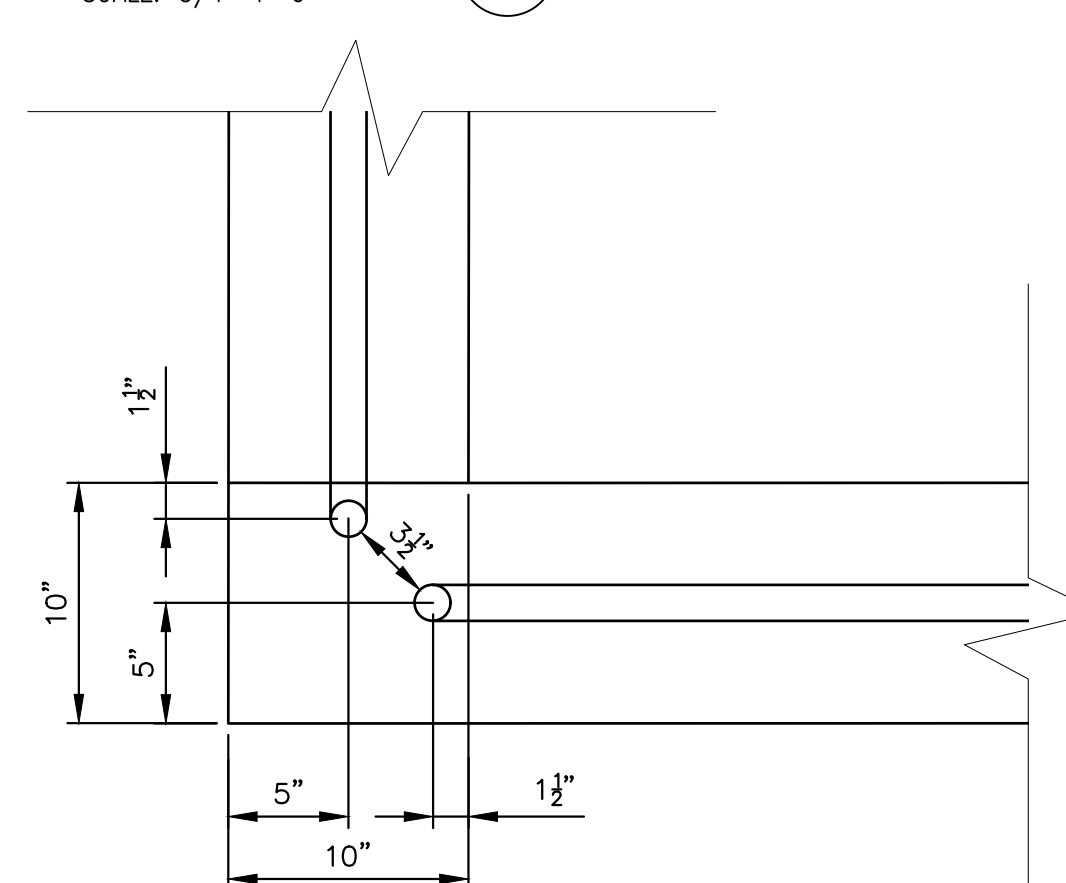
## SLOPED WINGWALL HANDRAIL DETAIL

SCALE:  $3/4" = 1'-0"$



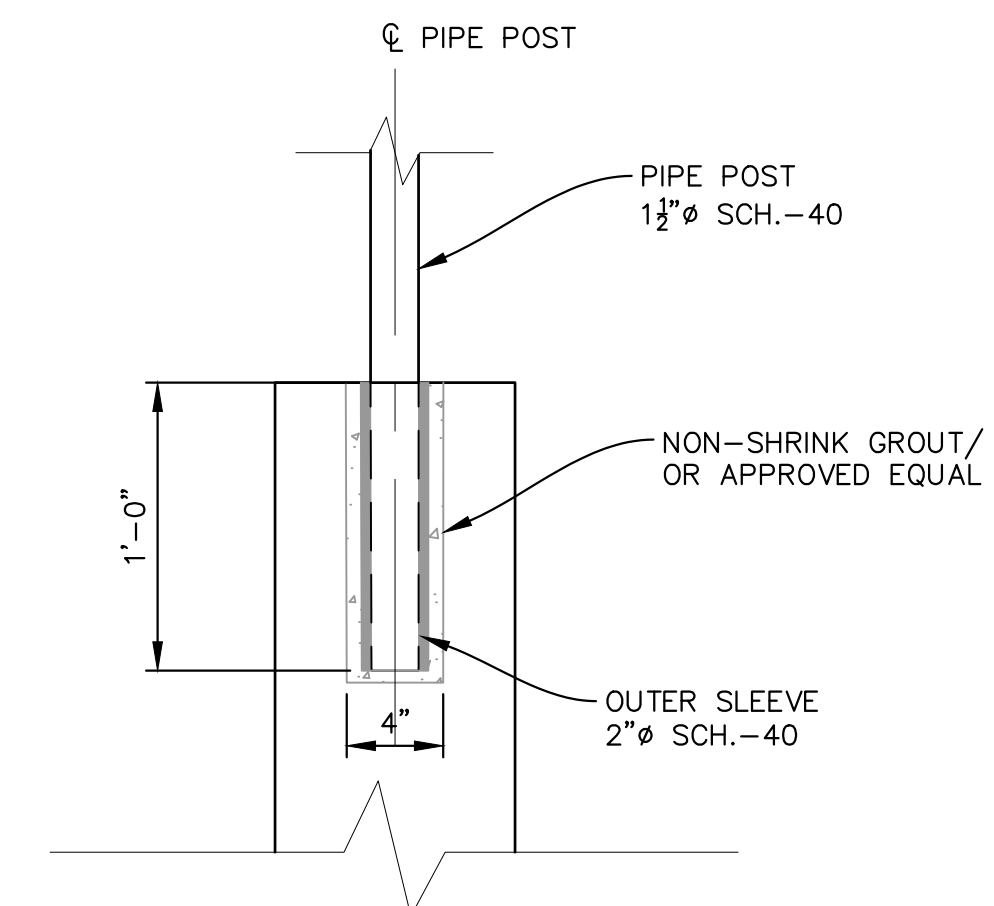
## SECTION

SCALE: 3/4"=1'-0"




### RAIL CORNER DETAIL

SCALE: 1 1/2" = 1'-0"



### RAIL ANCHORAGE DETAIL

SCALE: 1 1/2" = 1'-0"

REFERENCE DRAWINGS					
	No.	DATE	DESCRIPTION		BY
COMPUTER FILE MANAGEMENT					
FILE NAME: S:\19.886.011 (Trails at Aspen Ridge - F1)\100 Dwg\104 Plan Sets\Construction Plans\Road & Storm Plans\Structures\Railing.dwg					
CTB FILE:					
PLOT DATE: July 2, 2019 12:52:21 PM					
THIS DRAWING IS CURRENT AS OF PLOT DATE AND MAY BE SUBJECT TO CHANGE.					
SHEET KEY					
					
BENCHMARK COLORADO SPRINGS UTILITIES (FIMS) MONUMENT F206 A BERNTSEN TOP SECURITY MONUMENT SYSTEM WITH A 3.5-INCH DIAMETER ALUMINUM CAP IN A ROAD BOX, LOCATED ON THE NORTHWEST CORNER OF FONTAINE BOULEVARD AND POWERS BOULEVARD. ELEVATION - 5897.89' U.S. SURVEY FT					
BASIS OF BEARING BEARINGS ARE BASED ON THE NORTH LINE OF THE NORTHWEST QUARTER OF SECTION 9, TOWNSHIP 15 SOUTH, RANGE 65 WEST OF THE 6TH P.M. SAID LINE BEARS S89°51'23"E FROM THE NORTHWEST CORNER OF SAID SECTION 9 (2 1/4' AULM. CAP PLS 17664) TO THE N 1/4 CORNER OF SAID SECTION 9 (3 1/2' AULM. CAP PLS 10377)					
SEAL					
PRELIMINARY THIS DRAWING HAS NOT BEEN APPROVED BY GOVERNING AGENCIES AND IS SUBJECT TO CHANGE					
FOR AND ON BEHALF OF MATRIX DESIGN GROUP, INC. PROJECT No. 19.886.011					
DESIGNED BY: AAC SCALE DATE ISSUED: JULY, 2019 DRAWING NO: DRAWN BY: AAC HORIZ. N.A. CHECKED BY: KSL VERT. N.A. SHEET 71 OF 71 DT07					