

LAYER LINETYPE LEGEND

	EXISTING	PROPOSED
PHASE LINE	---	---
MATCH LINE	---	---
SECTION LINE	---	---
BOUNDARY LINE	---	---
PROPERTY LINE	---	---
EASEMENT LINE	---	---
RIGHT OF WAY	---	---
R.O.W. A LINE	A ---	A ---
CENTERLINE	---	---
CITY LIMITS		
WIRE FENCE	---X---	---X---
CHAIN LINK FENCE	---o---	---o---
WOOD FENCE	---◇---	---◇---
MASONRY FENCE	---□---	---□---
GUARDRAIL	---□---	---□---
CONC. BARRIER	---□---	---□---
CABLE TV	---TV---	---TV---
ELECTRIC	---E---	---E---
FIBER OPTIC	---FO---	---FO---
GAS MAIN	---G---	---G---
IRRIGATION MAIN	---IRR---	---IRR---
OIL/PETRO. MAIN	---O---	---O---
OVERHEAD UTILITY	---OHU---	---OHU---
SANITARY SEWER	---S---	---S---
STORM DRAIN	---T---	---T---
TELEPHONE	---T---	---T---
WATER MAIN	---W---	---W---
RAW WATER LINE	---RWL---	---RWL---
SWALE/WATERWAY FLOWLINE	--->---	--->---
DIVERSION DITCH	---	---
DIVERSION CHANNEL	---	---
MAJOR DRAINAGE BASIN	---	---
MINOR DRAINAGE BASIN	---	---
TOP OF SLOPE	---V---	---V---
TOE OF SLOPE	---	---
EDGE OF WATER	---	---
INDEX CONTOUR	---6100---	---6100---
INTERMEDIATE CONTOUR	---	---
DEPRESSION CONT. (INDEX)	---6100---	---6100---
DEPRESSION CONT. (INTER)	---	---
TOP OF CUTS	---	---
TOE OF FILLS	---	---
CUT AND FILL LINE	---	---
SILT FENCE	---SF---	---SF---
100 YEAR FLOODPLAIN	---100YR---	---100YR---
500 YEAR FLOODPLAIN	---500YR---	---500YR---
FLOODWAY	---FLDWY---	---FLDWY---
BASE FLOOD ELEVATION	---	---
EDGE OF WETLANDS	---	---
STONE WALL	---	---

UTILITIES LEGEND

	EXISTING	PROPOSED
STORM SEWER		
MANHOLE	⊙	●
STORM INLET	□	■
AREA INLET - SQUARE	□	■
AREA INLET - ROUND	○	●
FLARED END SECTION	▷	▷
RIPRAP	▒	▒
SANITARY SEWER		
LINE MARKER	Mkr San ^o	
SERVICE MARKER	△	
CLEAN-OUT	○	
MANHOLE W/ DIRECTIONAL FLOW ARROW	⊙	●
WATER LINE		
LINE MARKER	Mkr W ^o	
SERVICE MARKER	△	
FIRE HYDRANT	⊙	●
FIRE CONNECTION		⌂
MANHOLE	⊙	●
BEND	⊘	⊙
BLOW-OFF VALVE	⊘	⊙
WELL	⊙	●
METER	⊙	●
VALVE	⊘	⊙
REDUCER		⌂
THRUST BLOCK		⌂
CROSS		⌂
PLUG W/ THRUST BLOCK		⌂
TEE		⌂
REVERSE ANCHOR		⌂
ANODE		⌂
AIR & VACUUM VALVE ASSEMBLY		⌂
TRANSMISSION BLOW-OFF ASSEMBLY		⌂
GAS LINE		
MARKER	Mkr G ^o	
SERVICE MARKER	△	
METER	⊙	●
VALVE	⊘	⊙
PLUG	⌂	⌂
TEE		⌂
DRY UTILITIES		
CABLE TV MARKER	Mkr TV ^o	
CABLE TELEVISION PEDESTAL	⊙	
ELECTRIC MARKER	Mkr E ^o	
ELECTRIC SERVICE MARKER	△	
ELECTRICAL PEDESTAL	⊙	
ELECTRICAL METER	⊙	
ELECTRICAL MANHOLE	⊙	
FIBER-OPTIC MARKER	Mkr FO ^o	
IRRIGATION PEDESTAL	⊙	
TELEPHONE MARKER	Mkr T ^o	
TELEPHONE PEDESTAL	⊙	
TELEPHONE MANHOLE	⊙	
UTILITY POLE	○	●
GUY ANCHOR	○	●
GUY POLE	○	●
MISC. UTILITIES		
VENT PIPE	VP	●VP
TEST HOLE DESIGNATOR	TH#	●
	FIRM	
	FIRM/AGENCY	

LANDSCAPE LEGEND

	EXISTING	PROPOSED
TREE - CONIFEROUS	⊙	●
TREE - DECIDUOUS	⊙	●
SHRUB/BUSH	⊙	●
SHRUBS AND BUSHES	⊙	●
IRRIGATION BOX	⊙	●
IRRIGATION SPRINKLER	⊙	●
IRRIGATION VALVE	⊙	●
BOLLARD	⊙	●
FLAGPOLE	FP	●FP

UNTIL SUCH TIME AS THESE DRAWINGS ARE APPROVED BY THE APPROPRIATE REVIEWING AGENCIES, OR ENGINEERING APPROVES THEIR USE, THESE DRAWINGS ARE DESIGNATED BY WRITTEN AUTHORIZATION.

PREPARED FOR
RHETORIC, LLC
20 BOULDER CRESCENT, SUITE 200
COLORADO SPRINGS, CO
ATTN: ERIC HOWARD
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(719) 964-0064

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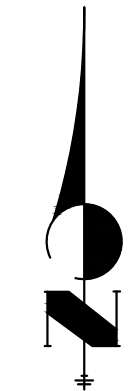
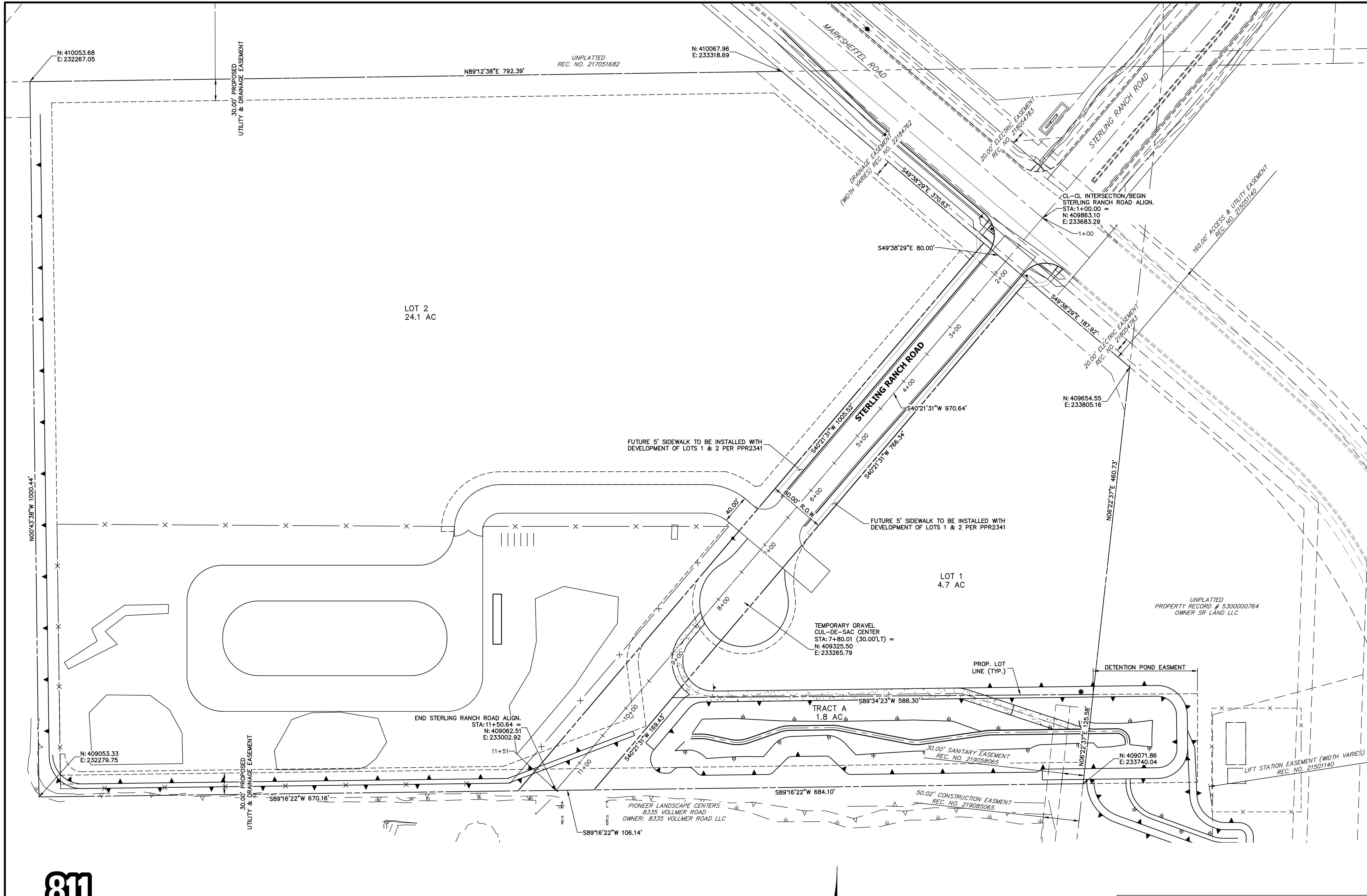
No.	REVISION	BY		DATE	
		BY	DATE	BY	DATE

H-SCALE	N/A	V-SCALE	N/A	DATE	DESIGNED BY	DRAWN BY	CHECKED BY
				08/22/24			

STERLING RECYCLING FACILITY LEGEND	SHEET	2	OF	10
		JOB NO.	25188.14	



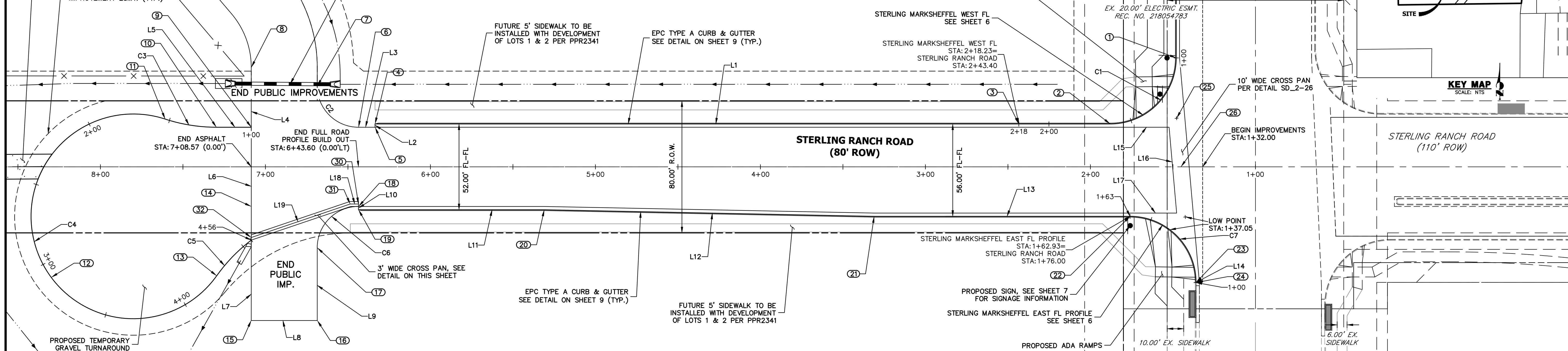
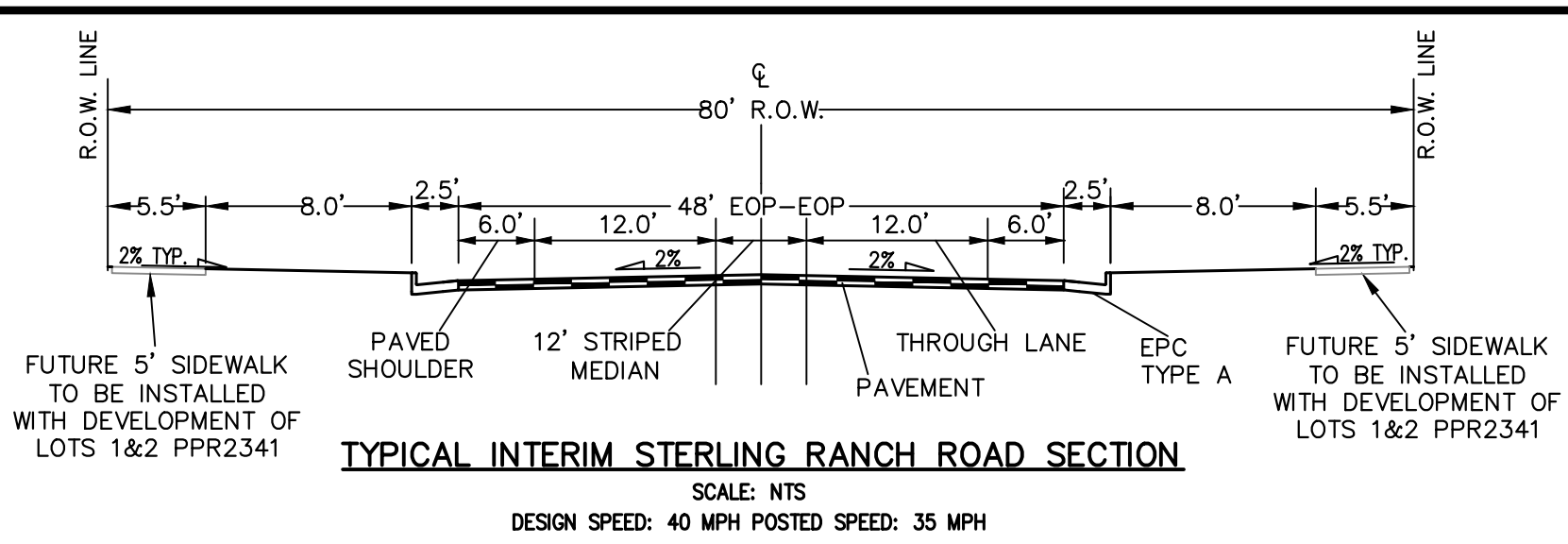
Know what's below.
Call before you dig.



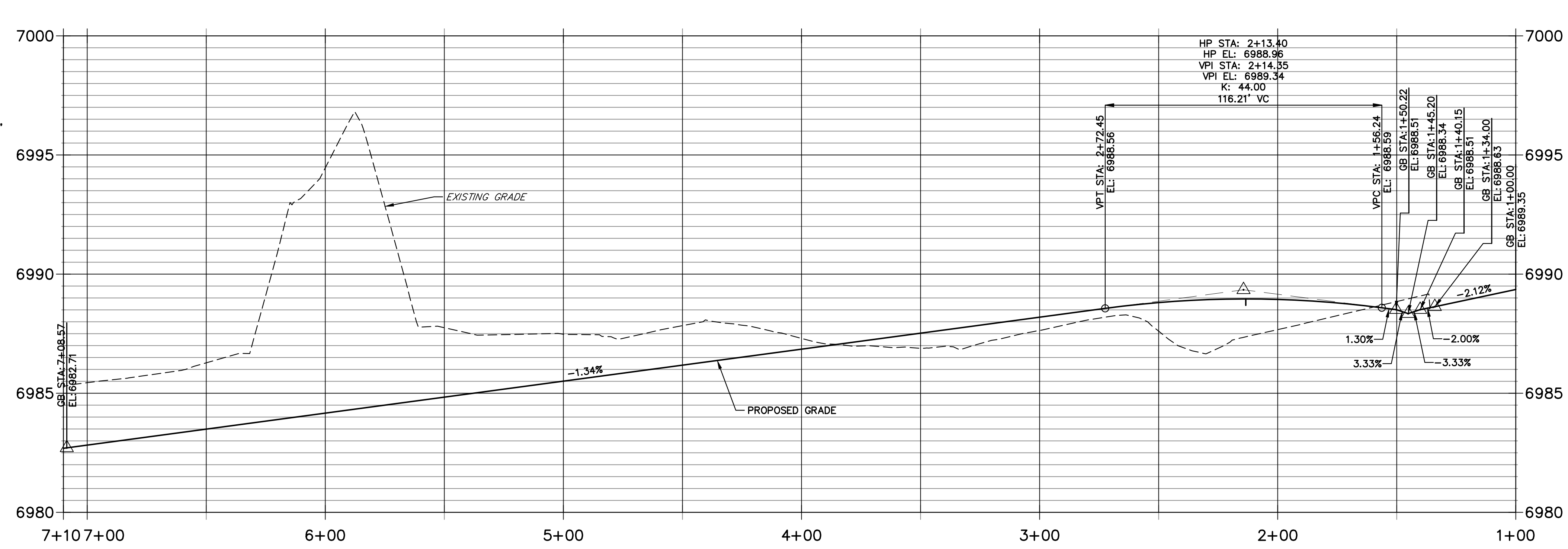
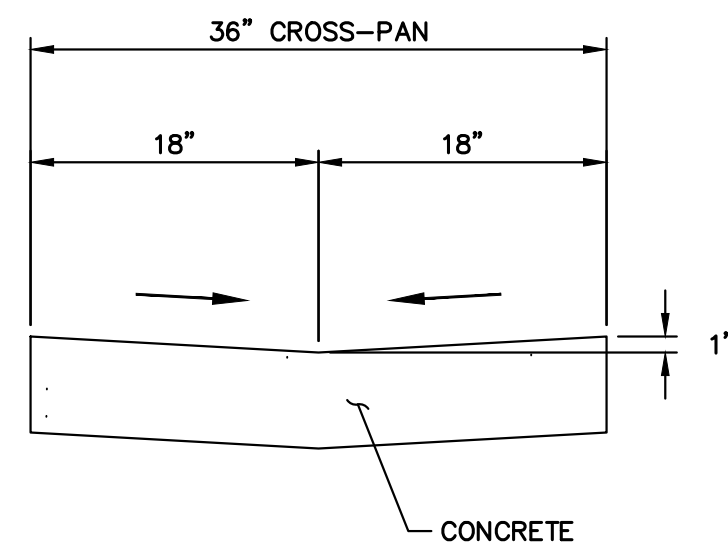
ENGINEER'S STATEMENT
 PREPARED UNDER MY DIRECT SUPERVISION AND ON BEHALF OF JR ENGINEERING
 BRYAN T. LAW, P.E.
 COLORADO P.E. 25043
 FOR AND ON BEHALF OF JR ENGINEERING

[Signature]
 DATE: 9/09/24

UNTIL SUCH TIME AS THESE DRAWINGS ARE APPROVED BY THE AGENCIES, OR ENGINEERING APPROVES THEIR USES DESIGNATED BY WRITTEN AUTHORIZATION.	
PREPARED FOR RHETORIC, LLC 20 BOULDER CRESCENT, SUITE 200 COLORADO SPRINGS, CO ATTN: ERIC HOWARD EHOWARD@MAIL.COM (719) 964-0064	UNPLATTED REC. NO. 217051682
J.R. ENGINEERING A Westman Company Central 303-740-9888 • Colorado Springs 719-583-2583 Fort Collins 970-491-9888 • www.jrengineering.com	UNPLATTED PROPERTY RECORD # 5300000764 OWNER SR LAND LLC
BY DATE _____	No. REVISION _____
H-SCALE 1"=60' V-SCALE N/A DATE 08/22/24 DESIGNED BY GAG DRAWN BY GAG CHECKED BY	STERLING RECYCLING FACILITY HORIZONTAL CONTROL PLAN
SHEET 3 OF 10 JOB NO. 25188.14	ORIGINAL SCALE: 1" = 60'



**STERLING RANCH ROAD PROFILE
STA 1+00.00 TO 7+10.00**



LINE TABLE			CURVE TABLE			
LINE	BEARING	DISTANCE	CURVE	DELTA	RADIUS	LENGTH
L1	S40°21'31"W	445.60'	C1	90°00'00"	40.00'	62.83'
L2	S49°38'29"E	2.00'	C2	90°00'02"	25.00'	39.27'
L3	N40°21'29"E	10.00'	C3	18°04'52"	100.00'	31.56'
L4	N49°40'37"W	36.26'	C4	252°36'48"	62.00'	273.35'
L5	N40°21'31"E	21.16'	C5	171°7'48"	100.00'	30.19'
L6	N49°38'29"W	48.00'	C6	90°00'00"	25.00'	39.27'
L7	S49°37'22"E	69.11'	C7	89°59'59"	40.00'	62.83'

POINT TABULATION					
POINT NUMBER	STATION	OFFSET	ALIGNMENT	ELEVATION	DESCRIPTION
1	1+48.00	66.00' (RT)	STERLING RANCH ROAD	6989.03	PCR/ CONNECT TO FL
2	1+88.00	26.00' (RT)	STERLING RANCH ROAD	6989.12	PCR (FL)
3	2+43.40	26.00' (RT)	STERLING RANCH ROAD	6988.21	END TRANSITION FL
4	6+33.60	26.00' (RT)	STERLING RANCH ROAD	6983.07	END C&G (FL)
5	6+33.60	24.00' (RT)	STERLING RANCH ROAD	6983.23	END C&G (LIP)
6	6+43.60	24.00' (RT)	STERLING RANCH ROAD	6983.10	PC (EOA)
7	6+68.60	49.00' (RT)	STERLING RANCH ROAD	6982.53	PT (EOA)
8	7+08.60	60.26' (RT)	STERLING RANCH ROAD	6982.21	PT (EOA)
9	7+08.57	24.00' (RT)	STERLING RANCH ROAD	6982.23	BEGIN GRAVEL
10	7+29.73	24.00' (RT)	STERLING RANCH ROAD	6982.01	PC (GRAVEL)

POINT TABULATION					
POINT NUMBER	STATION	OFFSET	ALIGNMENT	ELEVATION	DESCRIPTION
11	7+60.77	28.94' (RT)	STERLING RANCH ROAD	6981.69	PCC (GRAVEL)
12	8+29.80	66.95' (LT)	STERLING RANCH ROAD	6980.35	LP (GRAVEL)
13	7+29.52	65.98' (LT)	STERLING RANCH ROAD	6981.25	PCC (GRAVEL)
14	7+08.57	24.00' (LT)	STERLING RANCH ROAD	6982.04	END ASPHALT
15	7+08.60	93.11' (LT)	STERLING RANCH ROAD	6980.85	END ASPHALT
16	6+68.60	93.11' (LT)	STERLING RANCH ROAD	6981.85	END ASPHALT
17	6+68.60	49.00' (LT)	STERLING RANCH ROAD	6982.51	PC (EOA)
18	6+43.60	24.00' (LT)	STERLING RANCH ROAD	6983.10	END C&G (LIP)
19	6+43.60	26.00' (LT)	STERLING RANCH ROAD	6982.93	END C&G (FL)
20	5+31.00	26.00' (LT)	STERLING RANCH ROAD	6984.44	PI (FL)

POINT TABULATION					
POINT NUMBER	STATION	OFFSET	ALIGNMENT	ELEVATION	DESCRIPTION
21	3+31.05	30.00' (LT)	STERLING RANCH ROAD	6987.05	PI (FL)
22	1+76.00	30.00' (LT)	STERLING RANCH ROAD	6988.05	PCR (FL)
23	1+36.00	70.00' (LT)	STERLING RANCH ROAD	6987.65	PCR (FL)
24	1+36.00	70.10' (LT)	STERLING RANCH ROAD	6987.65	CONNECT TO EX. FL
25	1+47.80	29.47' (RT)	STERLING RANCH ROAD	6988.65	FL-FL INTERCEPT
26	1+45.20	0.00' (I)	STERLING RANCH ROAD	6988.34	FL-FL INTERCEPT
27	1+42.52	30.35' (LT)	STERLING RANCH ROAD	6987.87	FL-FL INTERCEPT
30	6+43.60	22.50' (LT)	STERLING RANCH ROAD	6983.02	FL CROSS-PAN
31	6+48.60	22.50' (LT)	STERLING RANCH ROAD	6982.91	FL CROSS-PAN
32	7+08.58	42.80' (LT)	STERLING RANCH ROAD	6981.47	FL CROSS-PAN

811
Know what's below.
Call before you dig.

HORIZONTAL ORIGINAL SCALE: 1" = 30'
VERTICAL ORIGINAL SCALE: 1" = 3'

ENGINEER'S STATEMENT
PREPARED UNDER MY DIRECT SUPERVISION AND ON BEHALF OF JR ENGINEERING
BRYAN T. LAW, P.E.
COLORADO P.E. 25043
FOR AND ON BEHALF OF JR ENGINEERING

9/09/24

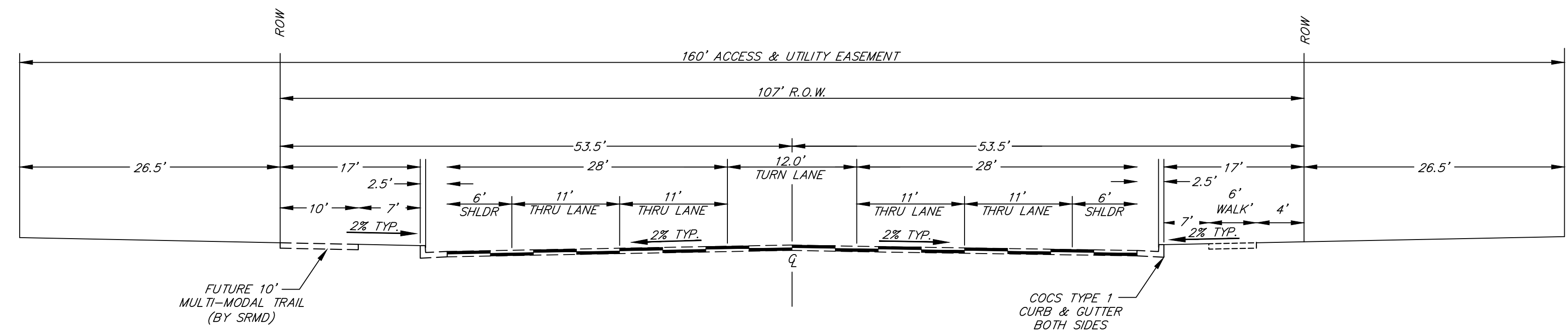
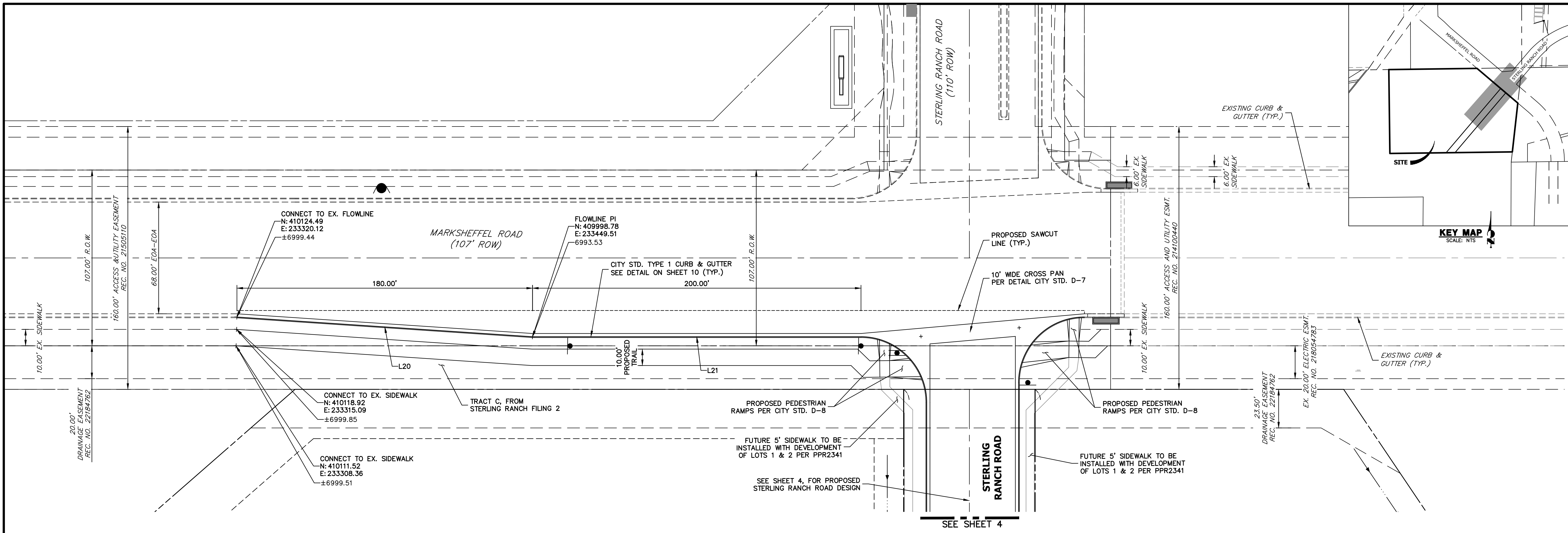
UNTIL SUCH TIME AS THESE DRAWINGS ARE APPROVED BY THE APPROPRIATE REVIEWING AGENCIES, JR ENGINEERING APPROVES THEIR USE IN ANY MANNER DESIGNATED BY WRITTEN AUTHORIZATION.

PREPARED FOR
RHETORIC, LLC
20 BOULDER CRESCENT, SUITE 200
COLORADO SPRINGS, CO
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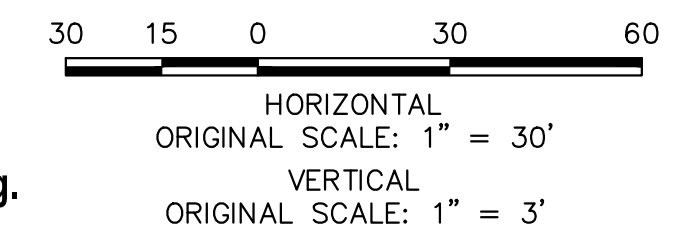
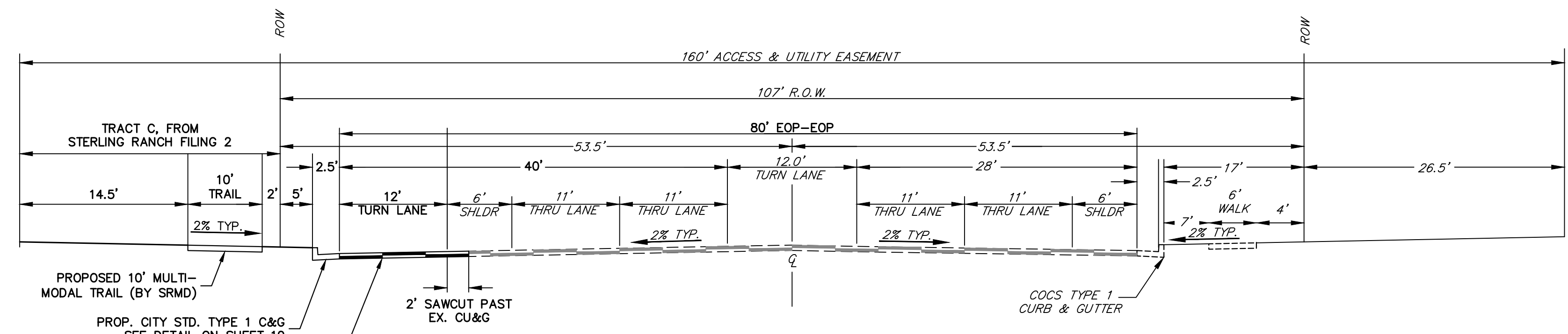
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Fort Collins 970-491-9888 • www.jrengineering.com

STERLING RECYCLING FACILITY
STREET PLAN & PROFILE

SHEET 4 OF 10
JOB NO. 25188.14



LINE	BEARING	DISTANCE
L20	S45°49'38"E	180.40'
L21	S49°38'29"E	200.00'



COST ESTIMATE FOR FINANCIAL ASSURANCE				
MARKSHEFFEL IMPROVEMENTS				
ITEM	UNIT \$	UNIT	QTY	COST
TURN LANE	\$ 165.00	LF	380	\$ 62,700
CONCRETE CROSSSPAN	\$ 138.00	SY	171	\$ 23,598
PEDESTRIAN RAMP	\$ 39.00	SF	675	\$ 26,325
SIDEWALK/TRAIL (10' WIDE W/ FIBER)	\$ 81.00	SY	445	\$ 36,045
SUBTOTAL				\$ 148,668
20% CONTINGENCY				\$ 29,734
TOTAL				\$ 178,402

STREET DESIGN FOR CITY ENGINEERING:

TRAFFIC REVIEW: Zaker Alazeh DATE: 10-8-24

CURB AND GUTTER REVIEW: John A. B... DATE: 10-8-24

FINAL REVIEW: John A. B... DATE: 10-8-24

DRAINAGE DESIGN: N/A DATE: _____

THIS IS FILED IN ACCORDANCE WITH SECTION 7.7.906 (DRAINAGE ORDINANCE) OF THE CODE OF THE CITY OF COLORADO SPRINGS, 2001 AS AMENDED.

EXISTING MARKSHEFFEL ROAD
4 LANE URBAN PRINCIPAL ARTERIAL CROSS SECTION
 (CITY OF COLORADO SPRINGS CROSS SECTION)
 DESIGN SPEED: 50 M.P.H. - POSTED SPEED: 45 M.P.H
 SCALE: NTS

PROPOSED MARKSHEFFEL ROAD
4 LANE URBAN PRINCIPAL ARTERIAL CROSS SECTION
 (CITY OF COLORADO SPRINGS CROSS SECTION)
 DESIGN SPEED: 50 M.P.H. - POSTED SPEED: 45 M.P.H
 SCALE: NTS

ENGINEER'S STATEMENT
 PREPARED UNDER MY DIRECT SUPERVISION AND ON BEHALF OF JR ENGINEERING

Bryan T. Law
 BRYAN T. LAW, P.E.
 COLORADO P.E. 25043
 FOR AND ON BEHALF OF JR ENGINEERING

DATE: 9/09/24

UNTIL SUCH TIME AS THESE DRAWINGS ARE APPROVED BY THE APPROPRIATE REVIEWING AGENCIES, OR ENGINEERING APPROVES THEIR USE, THESE DRAWINGS ARE DESIGNATED BY WRITTEN AUTHORIZATION.

PREPARED FOR
RHETORIC, LLC
 20 BOULDER CRESCENT, SUITE 200
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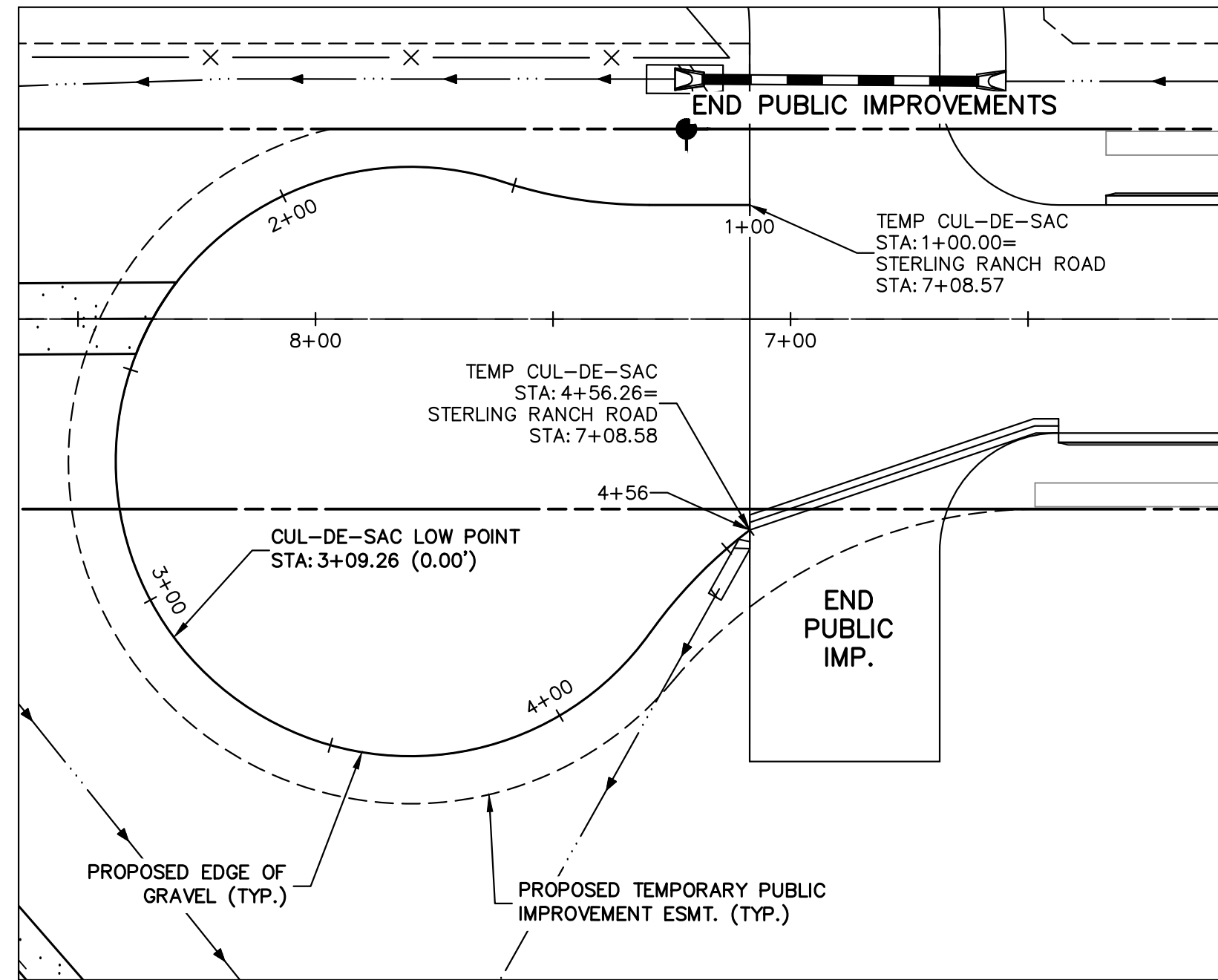
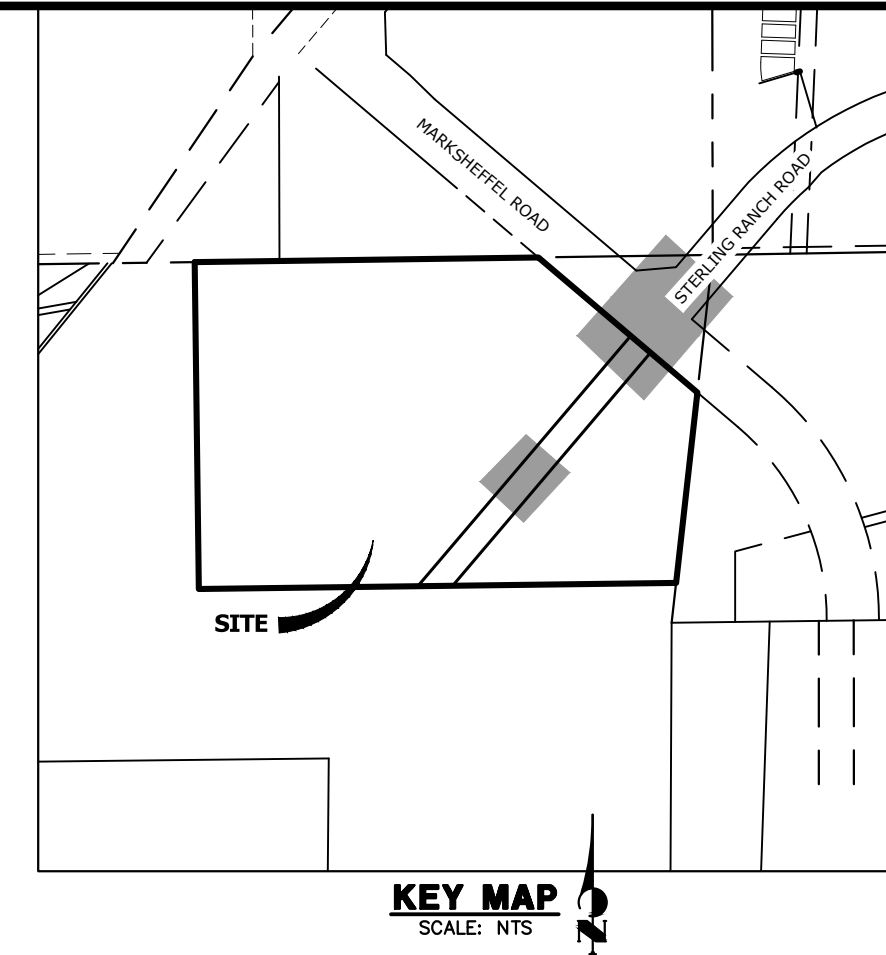
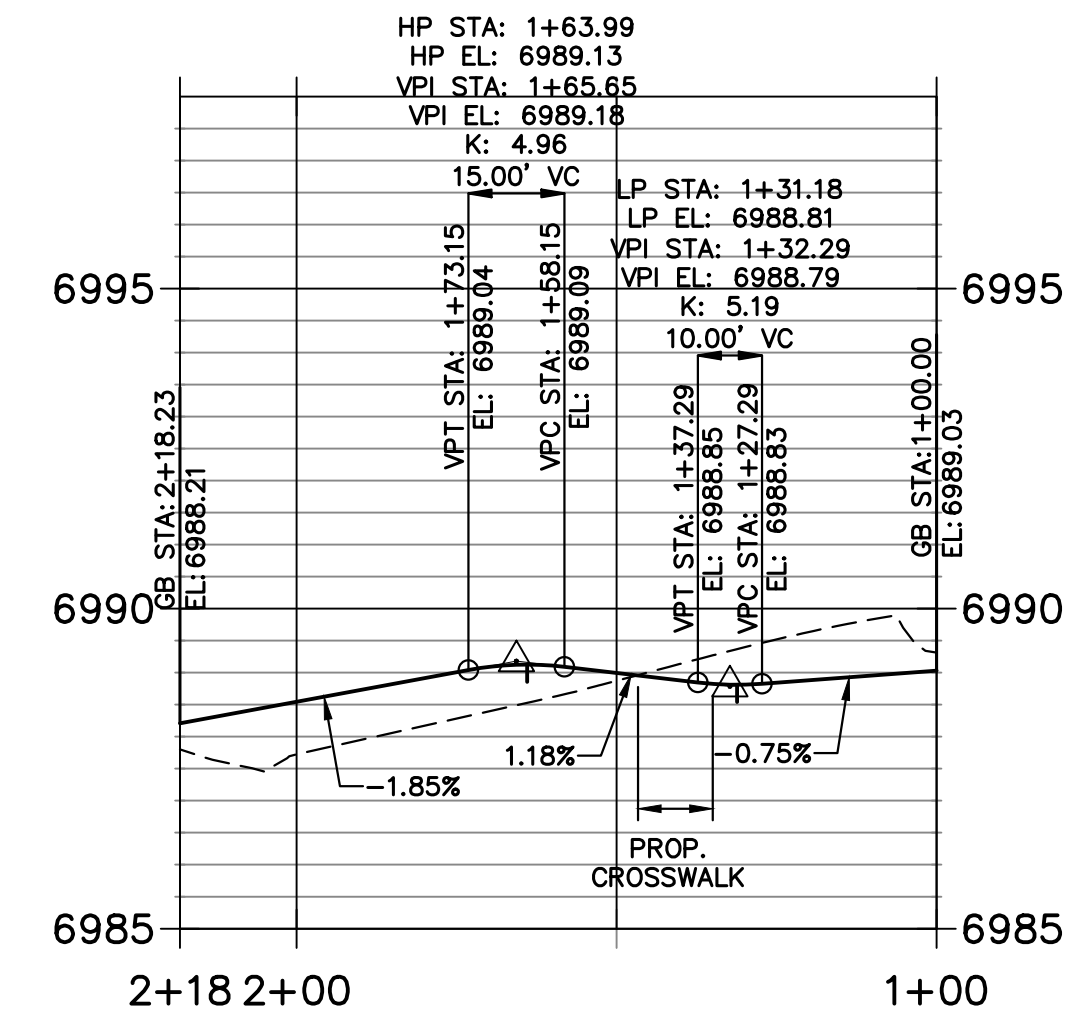
BY	DATE	REVISION

H-SCALE: 1"=30'
 V-SCALE: 1"=3'
 DATE: 08/22/24
 DESIGNED BY: GAG
 DRAWN BY: GAG
 CHECKED BY: _____

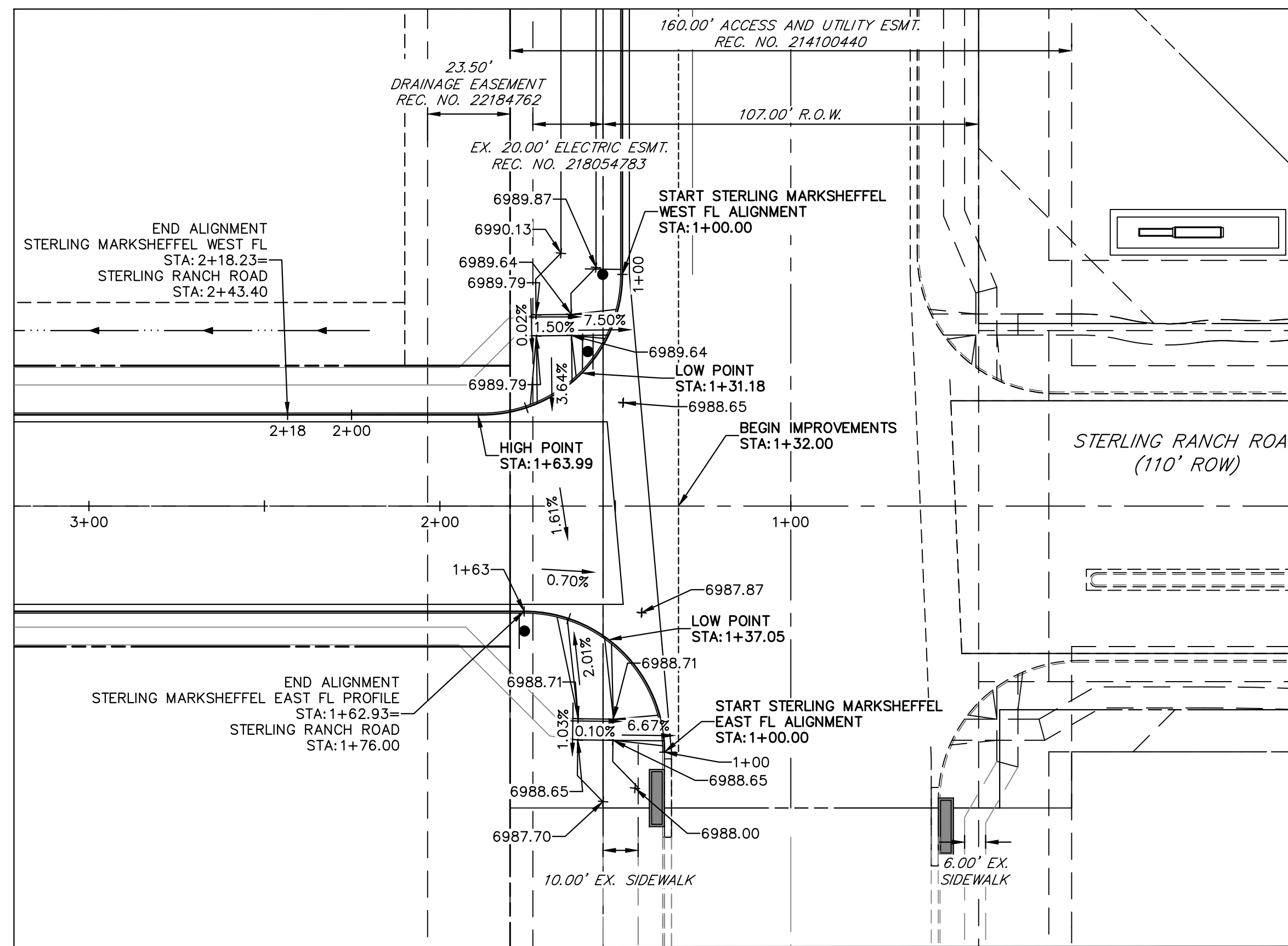
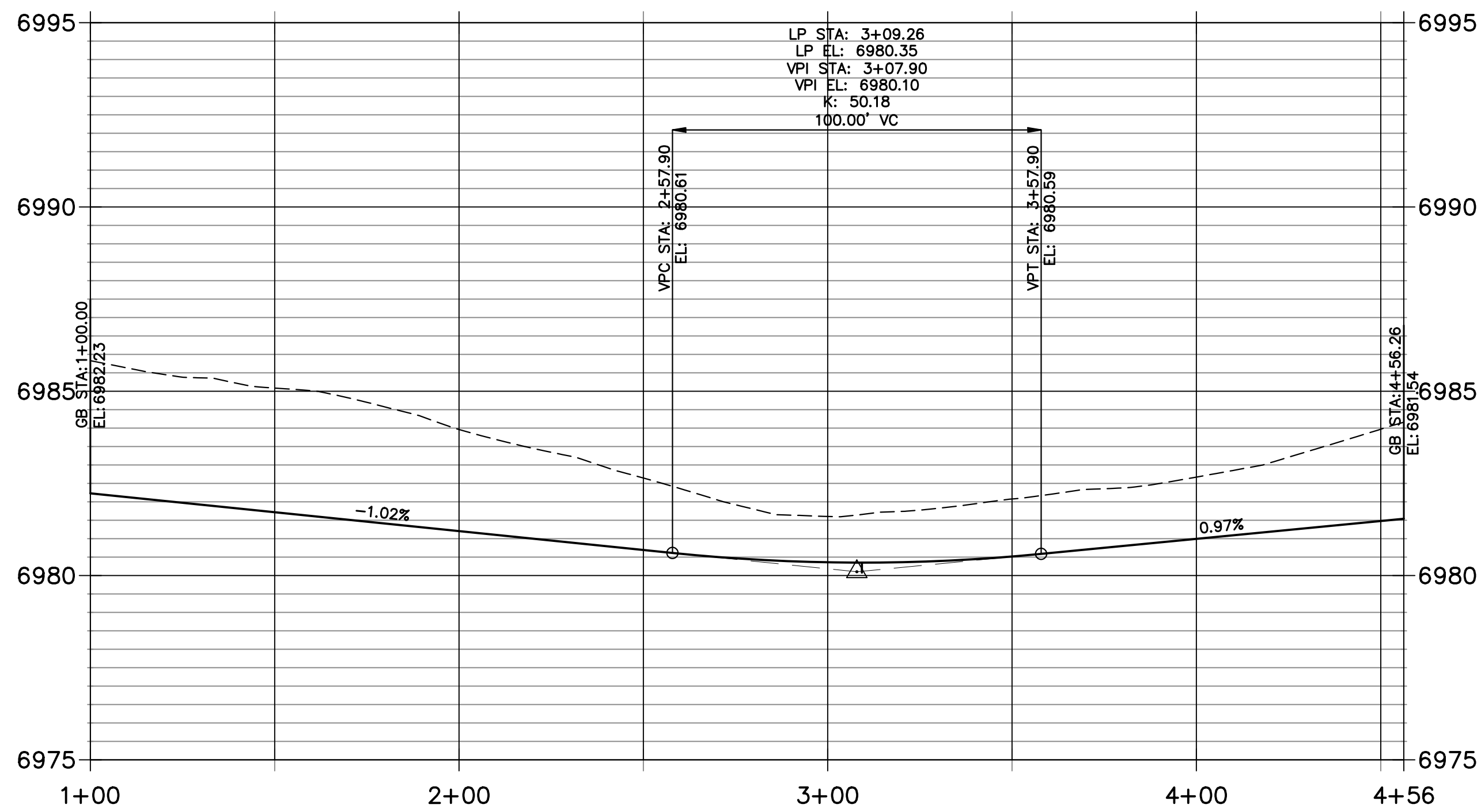
STERLING RECYCLING FACILITY
STREET PLAN & PROFILE

SHEET 5 OF 10
 JOB NO. 25188.14

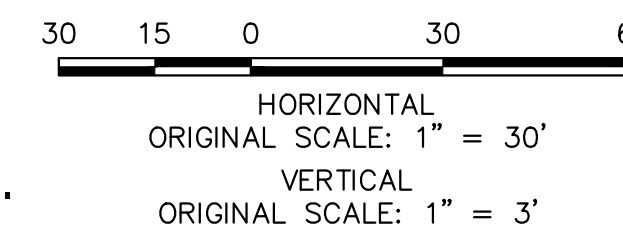
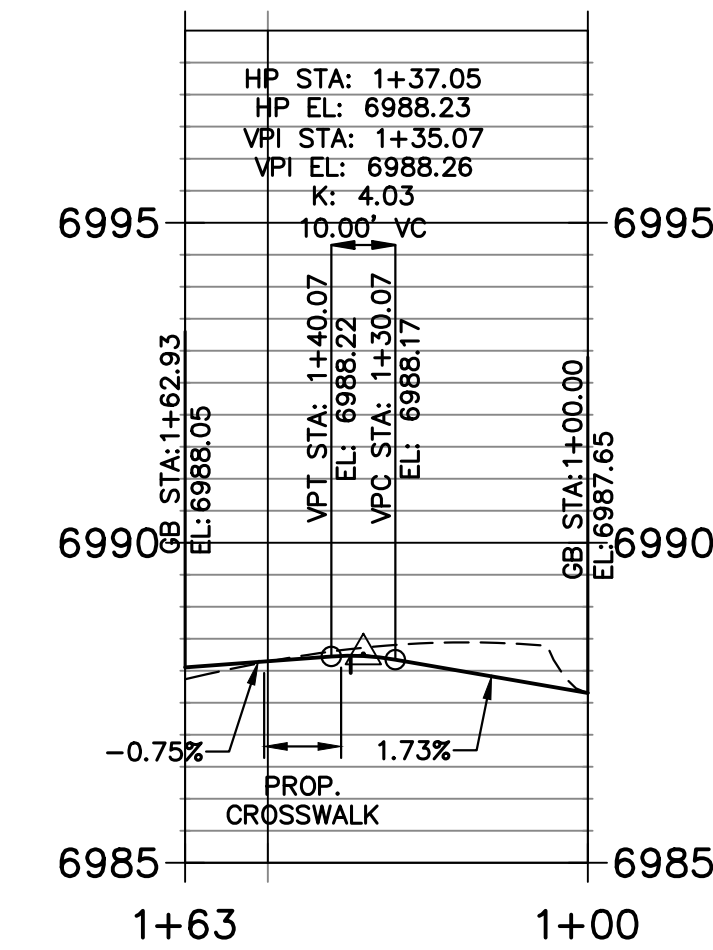
**STERLING MARKSHEFFEL WEST FL PROFILE
STA 1+00.00 TO 2+18.23**



**TEMP CUL-DE-SAC PROFILE
STA 1+00.00 TO 4+56.26**



**STERLING MARKSHEFFEL EAST FL PROFILE PROFILE
STA 1+00.00 TO 1+62.93**



ENGINEER'S STATEMENT

PREPARED UNDER MY DIRECT SUPERVISION AND ON BEHALF OF JR ENGINEERING
 BRYAN T. LAW, P.E.
 COLORADO P.E. 25043
 FOR AND ON BEHALF OF JR ENGINEERING
 DATE: 9/09/24

STREET DESIGN FOR CITY ENGINEERING:		
TRAFFIC REVIEW:	<i>Zaker Alazeeh</i>	DATE: 10-8-24
CURB AND GUTTER REVIEW:	<i>A.A. B...</i>	DATE: 10-8-24
FINAL REVIEW:	<i>A.A. B...</i>	DATE: 10-8-24
DRAINAGE DESIGN:	N/A	DATE:

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PREPARED FOR
RHECTOR, LLC
 20 BOULDER CRESCENT, SUITE 200
 COLORADO SPRINGS, CO
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No.	REVISION	BY	DATE

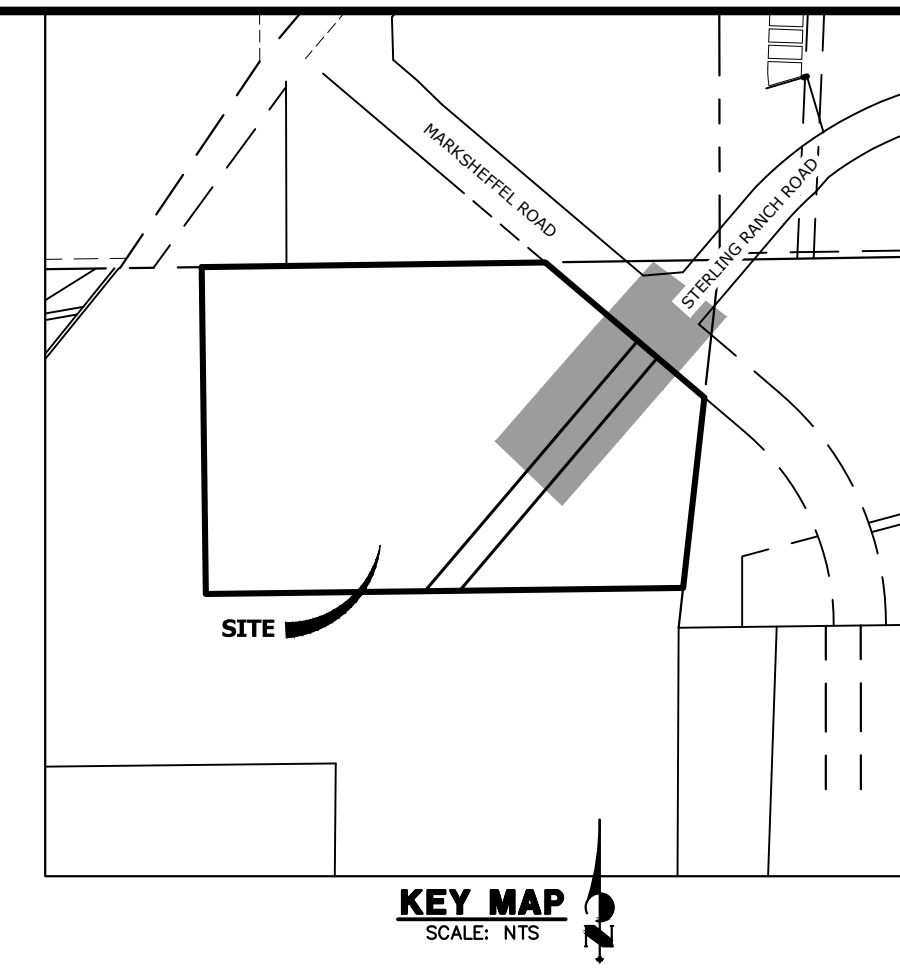
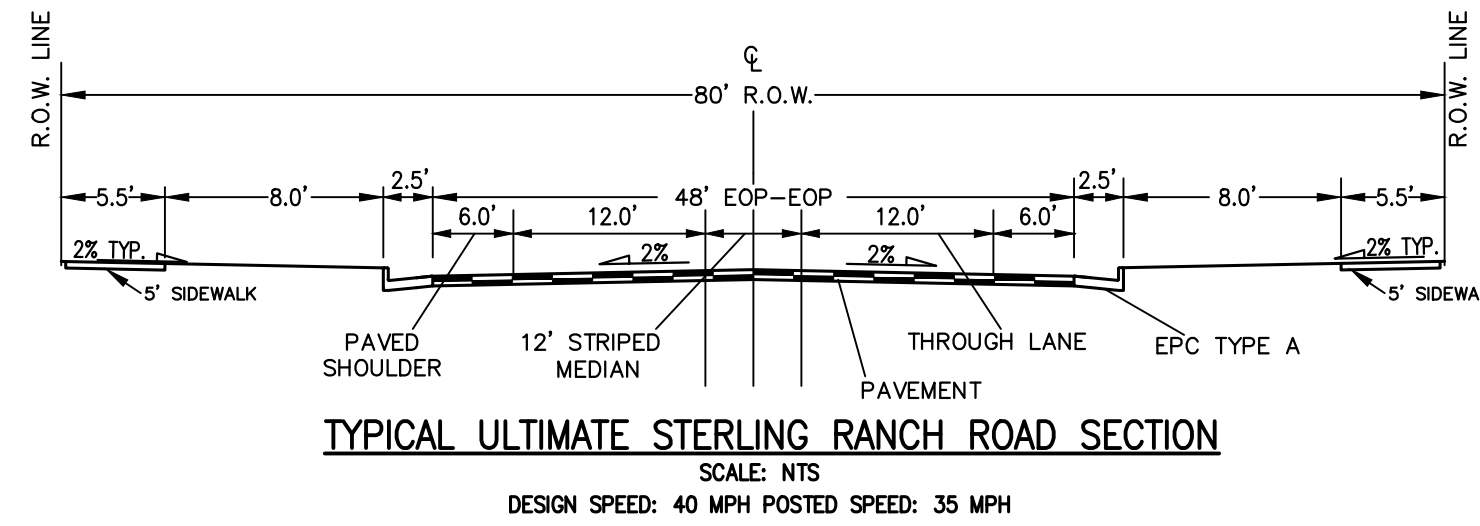
H-SCALE 1"=30'
 V-SCALE 1"=3'
 DATE 08/22/24
 DESIGNED BY GAG
 DRAWN BY GAG
 CHECKED BY

STERLING RECYCLING FACILITY
STREET PLAN & PROFILE

SHEET 6 OF 10
 JOB NO. 25188.14

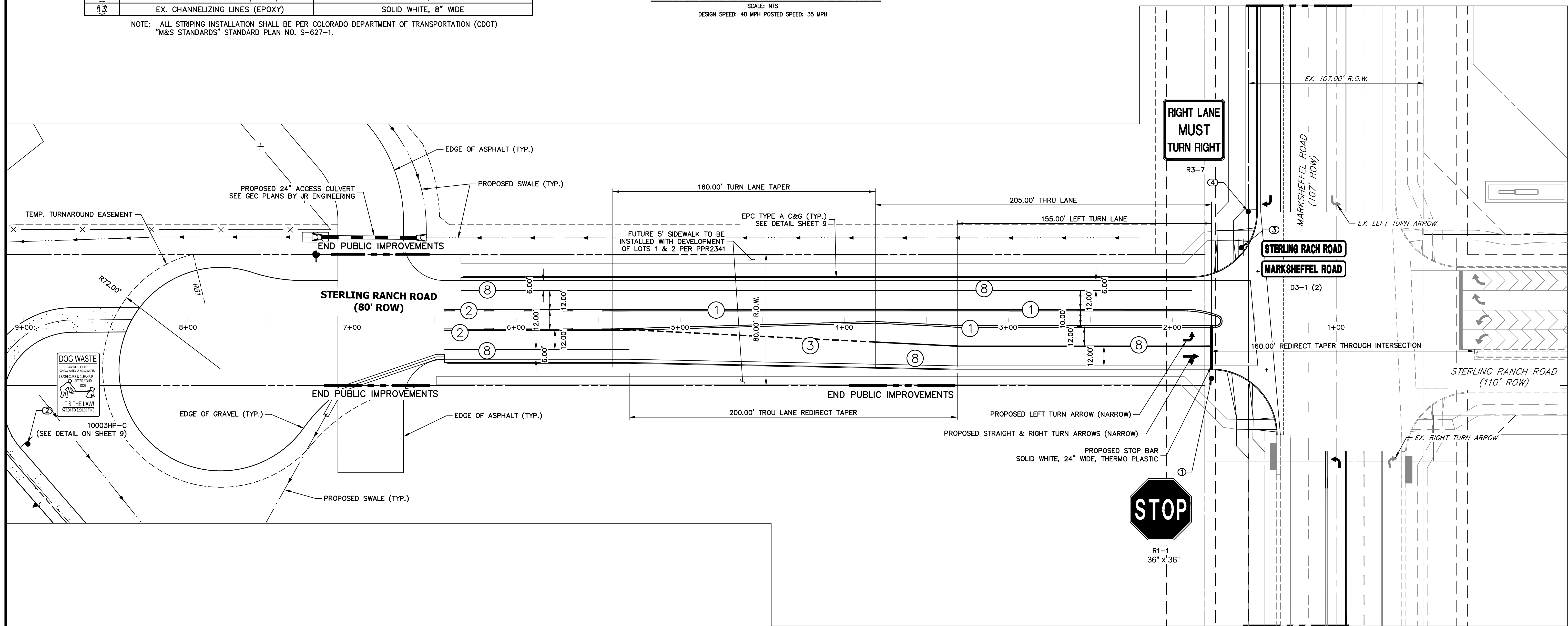
STRIPING LEGEND		
STRIPE	PAVEMENT MARKINGS	MARKING DESCRIPTION
①	2-WAY CENTERLINE LANE MARKINGS (EPOXY)	PARALLEL SOLID YELLOW, 4" WIDE, 12" APART
②	2-WAY LEFT TURN LANE MARKINGS (EPOXY)	OUTSIDE: SOLID YELLOW, 4" WIDE, INSIDE: BROKEN YELLOW, 4" WIDE, 10' SEGMENTS WITH 30' GAPS
③	LANE DROP LINES (EPOXY)	BROKEN WHITE, 4" WIDE, 3' SEGMENTS WITH 12' GAPS
④	LANE DROP LINES (EPOXY)	BROKEN WHITE, 6" WIDE, 6' SEGMENTS WITH 3' GAPS
⑤	LANE DROP LINES (EPOXY)	BROKEN WHITE, 8" WIDE, 12' SEGMENTS WITH 6' GAPS
⑥	CHANNELIZING LINES (EPOXY)	SOLID WHITE, 8" WIDE
⑦	CHANNELIZING LINES (EPOXY)	SOLID WHITE, 6" WIDE
⑧	EDGE LANE LINES (EPOXY)	SOLID WHITE, 4" WIDE
⑨	EX. 2-WAY CENTERLINE LANE MARKINGS (EPOXY)	PARALLEL SOLID YELLOW, 4" WIDE, 12" APART
⑩	EX. LANE LINES (EPOXY)	BROKEN WHITE, 4" WIDE, 10' SEGMENTS WITH 30' GAPS
⑪	EX. BROKEN EDGE LINES (EPOXY)	BROKEN WHITE, 4" WIDE, 3' SEGMENTS WITH 12' GAPS
⑫	EX. EDGE LANE LINES (EPOXY)	SOLID WHITE, 4" WIDE
⑬	EX. CHANNELIZING LINES (EPOXY)	SOLID WHITE, 8" WIDE

NOTE: ALL STRIPING INSTALLATION SHALL BE PER COLORADO DEPARTMENT OF TRANSPORTATION (CDOT) "M&S STANDARDS" STANDARD PLAN NO. S-627-1.



UNTIL SUCH TIME AS THESE DRAWINGS ARE APPROVED BY THE AGENCIES, JR ENGINEERING APPROVES THEIR USE. DESIGNATED BY WRITTEN AUTHORIZATION.

PREPARED FOR
RHECTORIC, LLC
20 BOULDER CRESCENT, SUITE 200
COLORADO SPRINGS, CO
ATTN: ERIC HOWARD
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(719) 964-0064



SEE INSERT 2 NEXT SHEET

SEE INSERT 1 NEXT SHEET

SIGN TABULATION			
POINT NUMBER	Northing	Easting	DESCRIPTION
1	409782.2041	233661.2540	R1-1 (36" x 36")
2	409206.3482	233224.4145	10003HP-C (SEE DETAIL ON SHEET 9)
3	409847.5274	233612.2647	D3-1
4	409864.9991	233598.2854	R3-7
5	409979.7363	233463.2721	R3-17

STREET DESIGN FOR CITY ENGINEERING:

TRAFFIC REVIEW: Zaker Alazeeh DATE: 10-8-24

CURB AND GUTTER REVIEW: [Signature] DATE: 10-8-24

FINAL REVIEW: [Signature] DATE: 10-8-24

DRAINAGE DESIGN: N/A DATE: _____

THIS IS FILED IN ACCORDANCE WITH SECTION 7.7.906 (DRAINAGE ORDINANCE) OF THE CODE OF THE CITY OF COLORADO SPRINGS, 2001 AS AMENDED.

811
Know what's below.
Call before you dig.

HORIZONTAL ORIGINAL SCALE: 1" = 30'
VERTICAL ORIGINAL SCALE: 1" = 3'

ENGINEER'S STATEMENT
PREPARED UNDER MY DIRECT SUPERVISION AND ON BEHALF OF JR ENGINEERING

[Signature]
BRYAN T. LAW, P.E.
COLORADO P.E. 25043
FOR AND ON BEHALF OF JR ENGINEERING

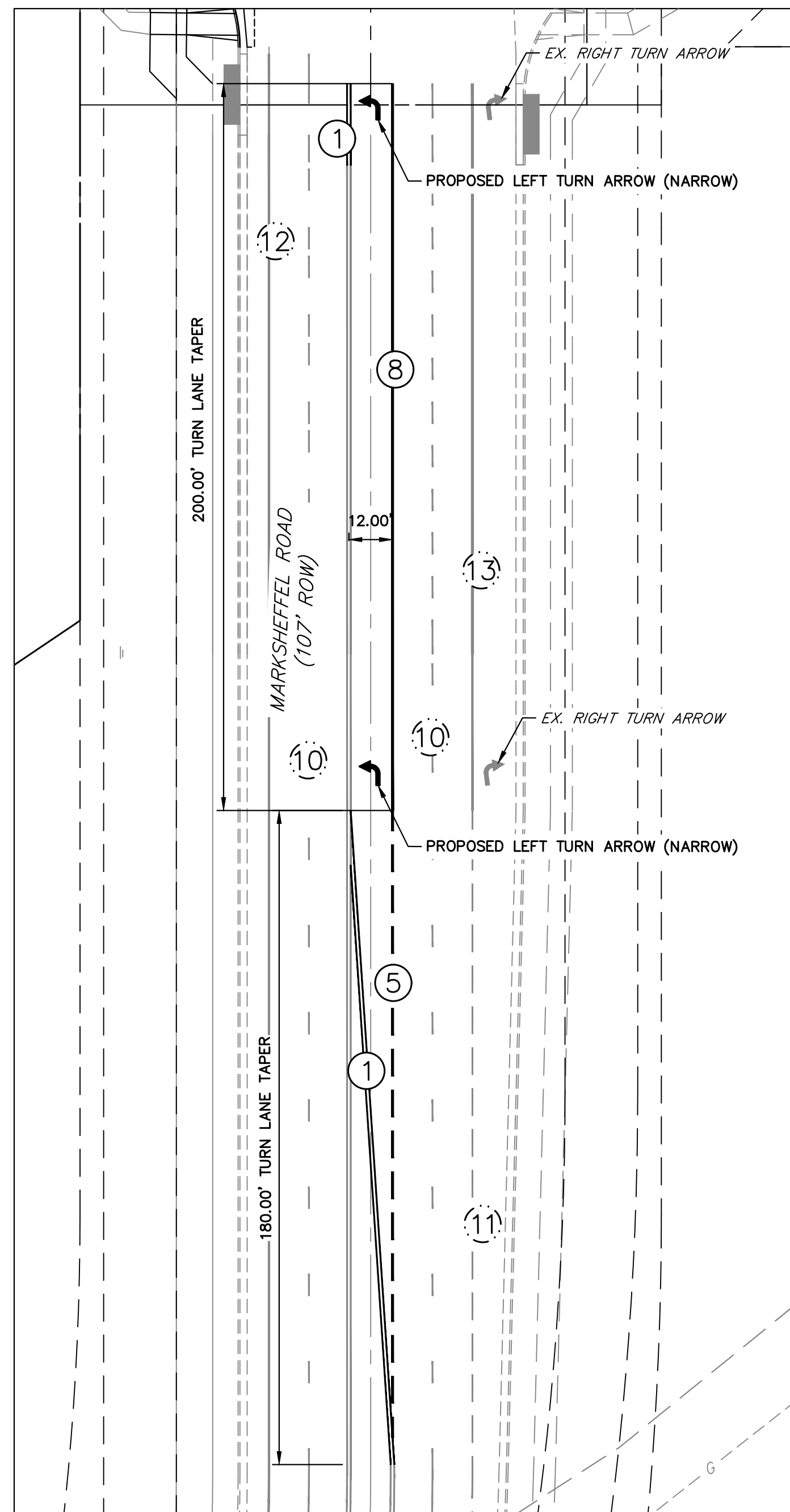
DATE: 9/09/24

J.R. ENGINEERING
A Westman Company
Central 303-740-9888 • Colorado Springs 719-583-2583
Fort Collins 970-491-9888 • www.jrengineering.com

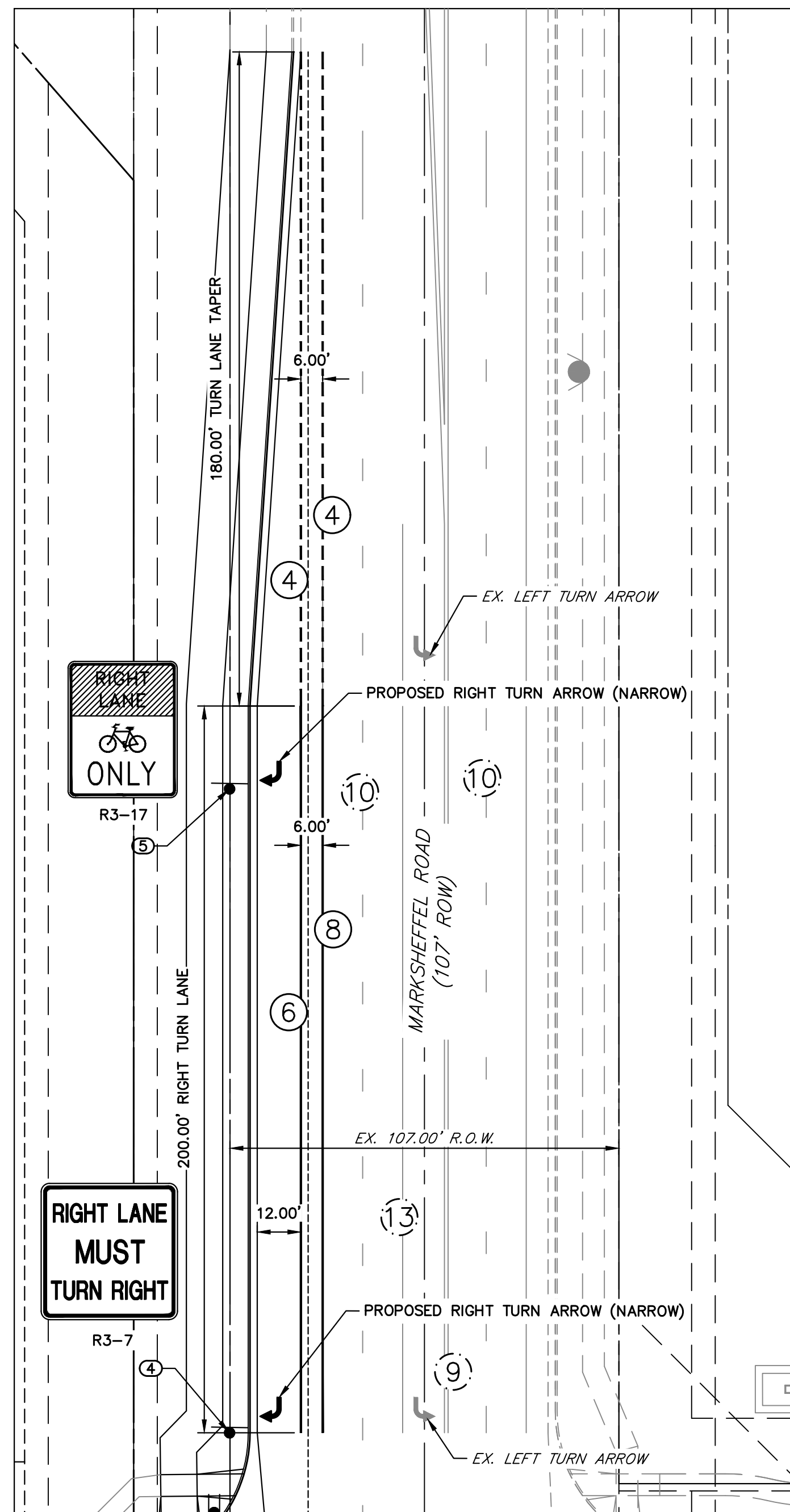
H-SCALE	V-SCALE	DATE	DESIGNED BY	DRAWN BY	CHECKED BY	REVISION	
						No.	DATE
1"=30'	1"=3'	08/22/24	APL	APL			

STERLING RECYCLING FACILITY
SIGNAGE & STRIPING

SHEET 7 OF 10
JOB NO. 25188.14



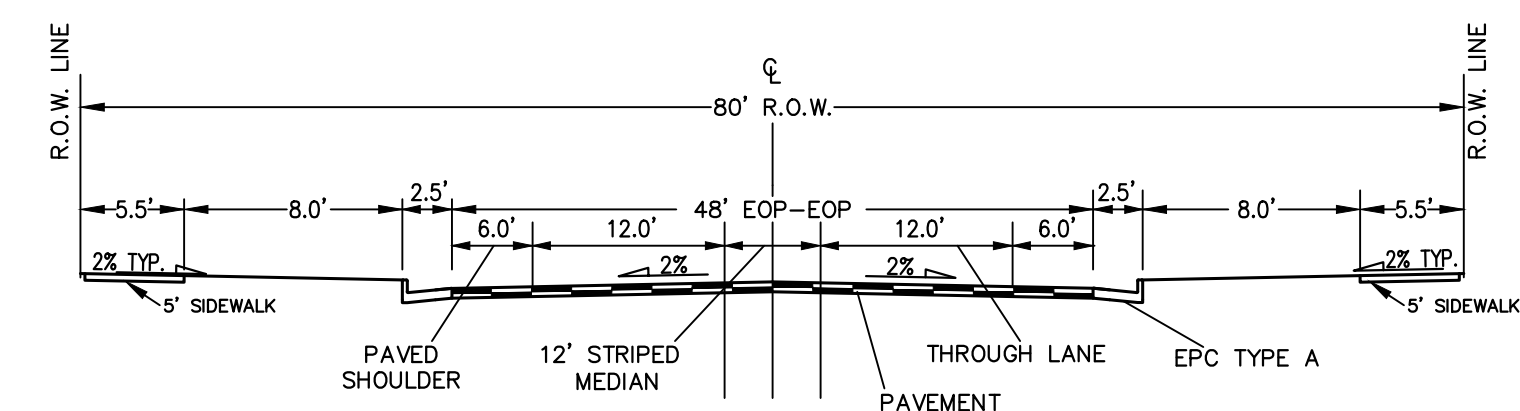
INSERT 1
SCALE: 1"=30'



INSERT 2
SCALE: 1"=30'

STRIPING LEGEND		
STRIPE	PAVEMENT MARKINGS	MARKING DESCRIPTION
①	2-WAY CENTERLINE LANE MARKINGS (EPOXY)	PARALLEL SOLID YELLOW, 4" WIDE, 12" APART
②	2-WAY LEFT TURN LANE MARKINGS (EPOXY)	OUTSIDE: SOLID YELLOW, 4" WIDE, INSIDE: BROKEN YELLOW, 4" WIDE, 10' SEGMENTS WITH 30' GAPS
③	LANE DROP LINES (EPOXY)	BROKEN WHITE, 4" WIDE, 3' SEGMENTS WITH 12' GAPS
④	LANE DROP LINES (EPOXY)	BROKEN WHITE, 6" WIDE, 6' SEGMENTS WITH 3' GAPS
⑤	LANE DROP LINES (EPOXY)	BROKEN WHITE, 8" WIDE, 12' SEGMENTS WITH 6' GAPS
⑥	CHANNELIZING LINES (EPOXY)	SOLID WHITE, 8" WIDE
⑦	CHANNELIZING LINES (EPOXY)	SOLID WHITE, 6" WIDE
⑧	EDGE LANE LINES (EPOXY)	SOLID WHITE, 4" WIDE
⑨	EX. 2-WAY CENTERLINE LANE MARKINGS (EPOXY)	PARALLEL SOLID YELLOW, 4" WIDE, 12" APART
⑩	EX. LANE LINES (EPOXY)	BROKEN WHITE, 4" WIDE, 10' SEGMENTS WITH 30' GAPS
⑪	EX. BROKEN EDGE LINES (EPOXY)	BROKEN WHITE, 4" WIDE, 3' SEGMENTS WITH 12' GAPS
⑫	EX. EDGE LANE LINES (EPOXY)	SOLID WHITE, 4" WIDE
⑬	EX. CHANNELIZING LINES (EPOXY)	SOLID WHITE, 8" WIDE

NOTE: ALL STRIPING INSTALLATION SHALL BE PER COLORADO DEPARTMENT OF TRANSPORTATION (CDOT) "M&S STANDARDS" STANDARD PLAN NO. S-627-1.



TYPICAL ULTIMATE STERLING RANCH ROAD SECTION
SCALE: NTS
DESIGN SPEED: 40 MPH POSTED SPEED: 35 MPH

SIGN TABULATION			
POINT NUMBER	Northing	Easting	DESCRIPTION
1	409782.2041	233661.2540	R1-1
2	409206.3482	233224.4145	10003HP-C (SEE DETAIL ON SHEET 9)
3	409847.5274	233612.2647	D3-1
4	409864.9991	233598.2854	R3-7
5	409979.7363	233463.2721	R3-17

STREET DESIGN FOR CITY ENGINEERING:

TRAFFIC REVIEW: Zaker Alazeh DATE: 10-8-24

CURB AND GUTTER REVIEW: [Signature] DATE: 10-8-24

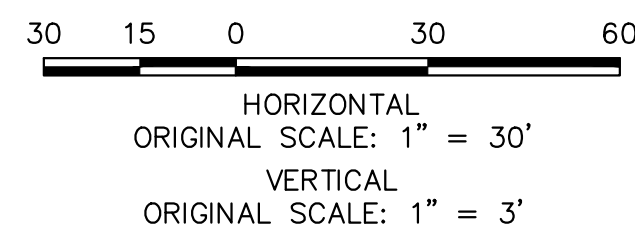
FINAL REVIEW: [Signature] DATE: 10-8-24

DRAINAGE DESIGN: N/A DATE: _____

THIS IS FILED IN ACCORDANCE WITH SECTION 7.7.906 (DRAINAGE ORDINANCE) OF THE CODE OF THE CITY OF COLORADO SPRINGS, 2001 AS AMENDED.



Know what's below.
Call before you dig.

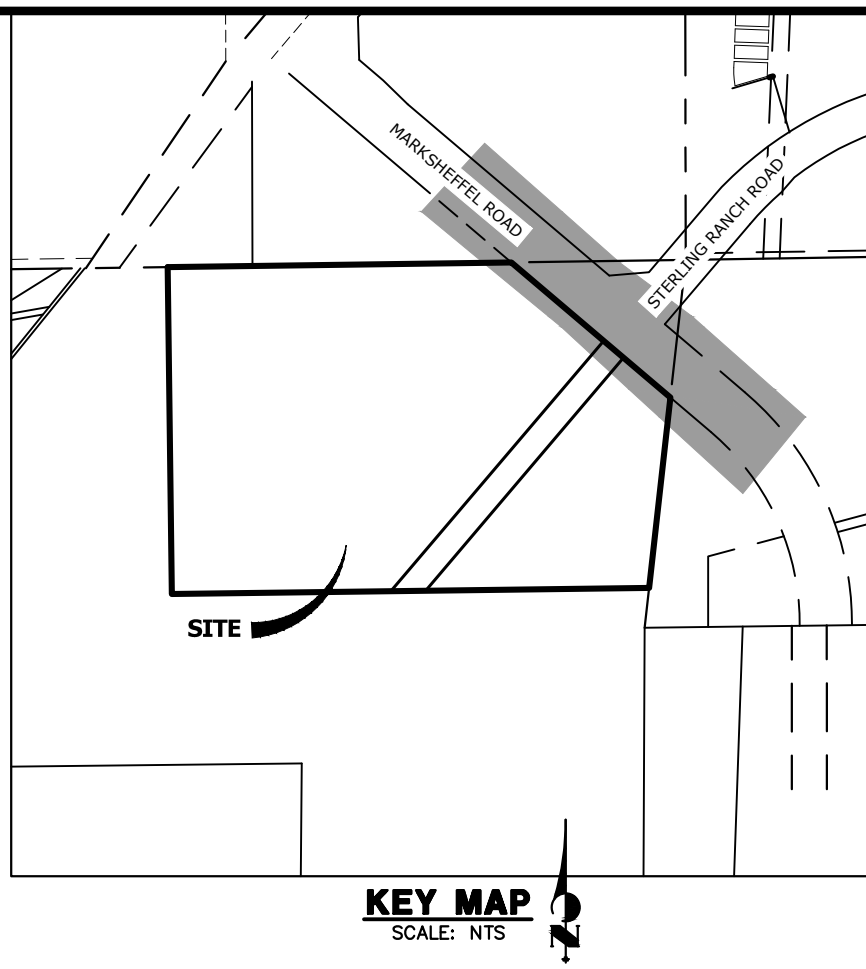


ENGINEER'S STATEMENT

PREPARED UNDER MY DIRECT SUPERVISION AND ON BEHALF OF JR ENGINEERING

[Signature] 25043 9/09/24

BRYAN T. LAW, P.E.
COLORADO P.E. 25043
FOR AND ON BEHALF OF JR ENGINEERING



UNTIL SUCH TIME AS THESE DRAWINGS ARE APPROVED BY THE AGENCIES, OR ENGINEERING APPROVES THEIR USE DESIGNATED BY WRITTEN AUTHORIZATION.

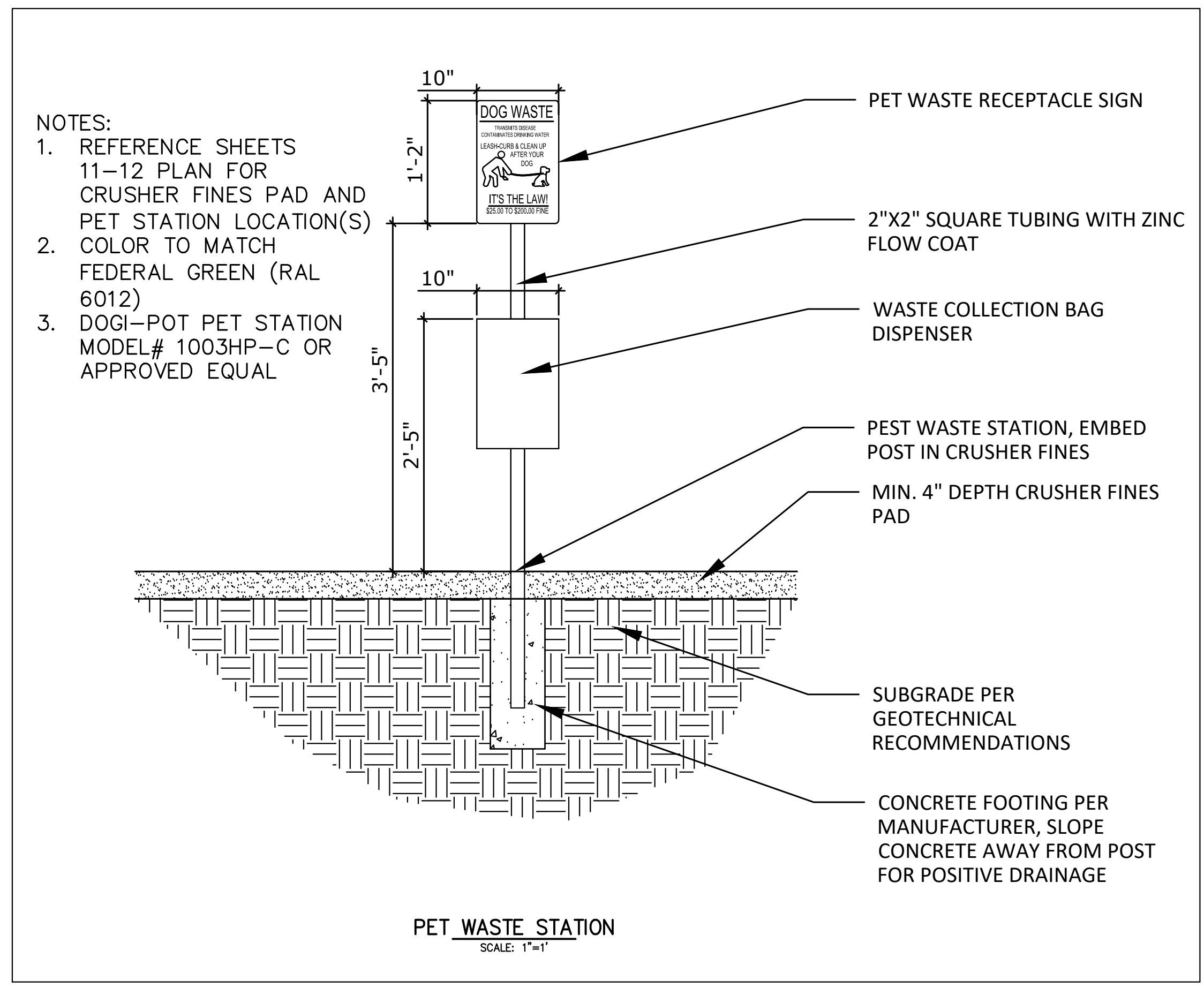
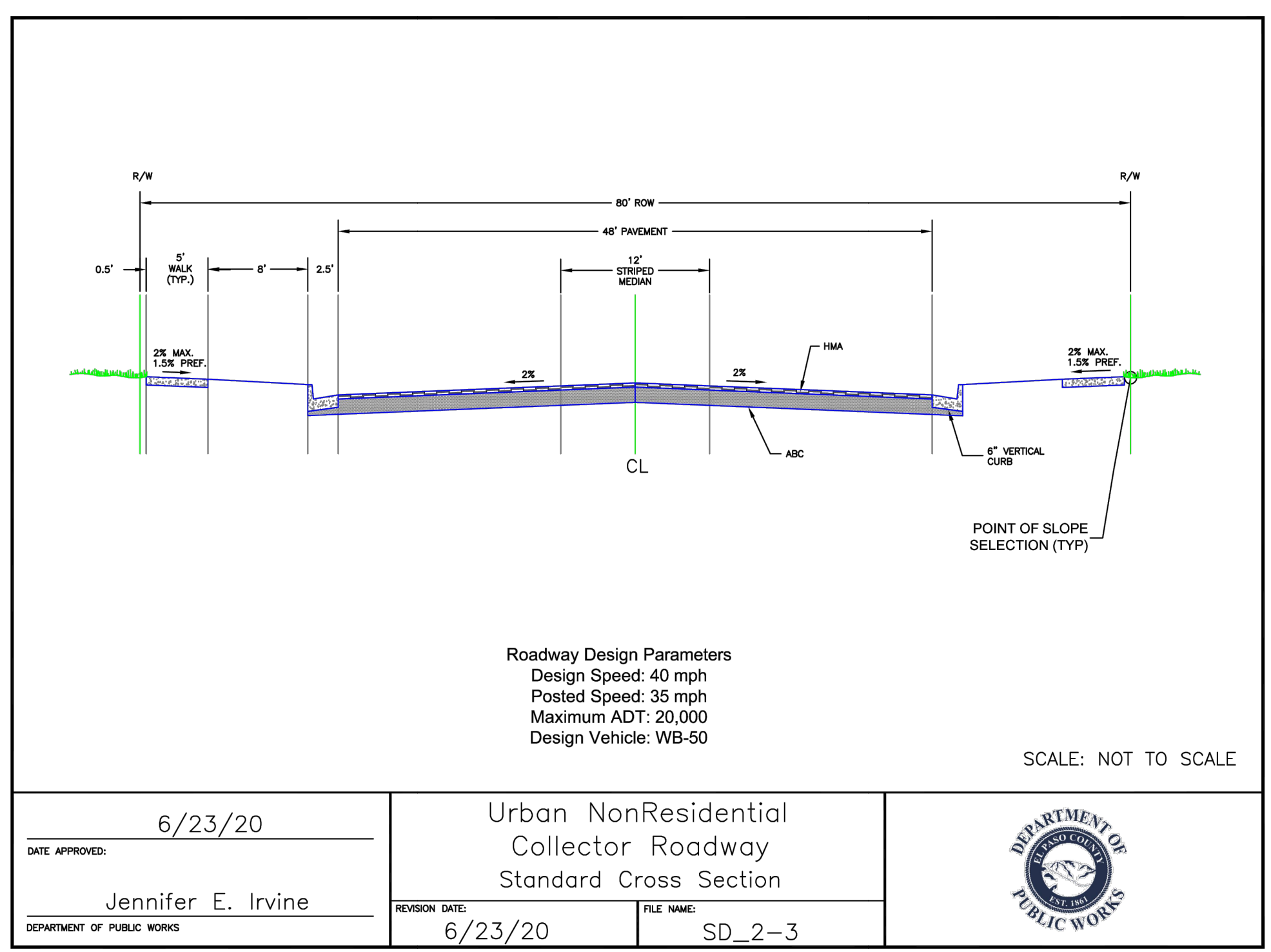
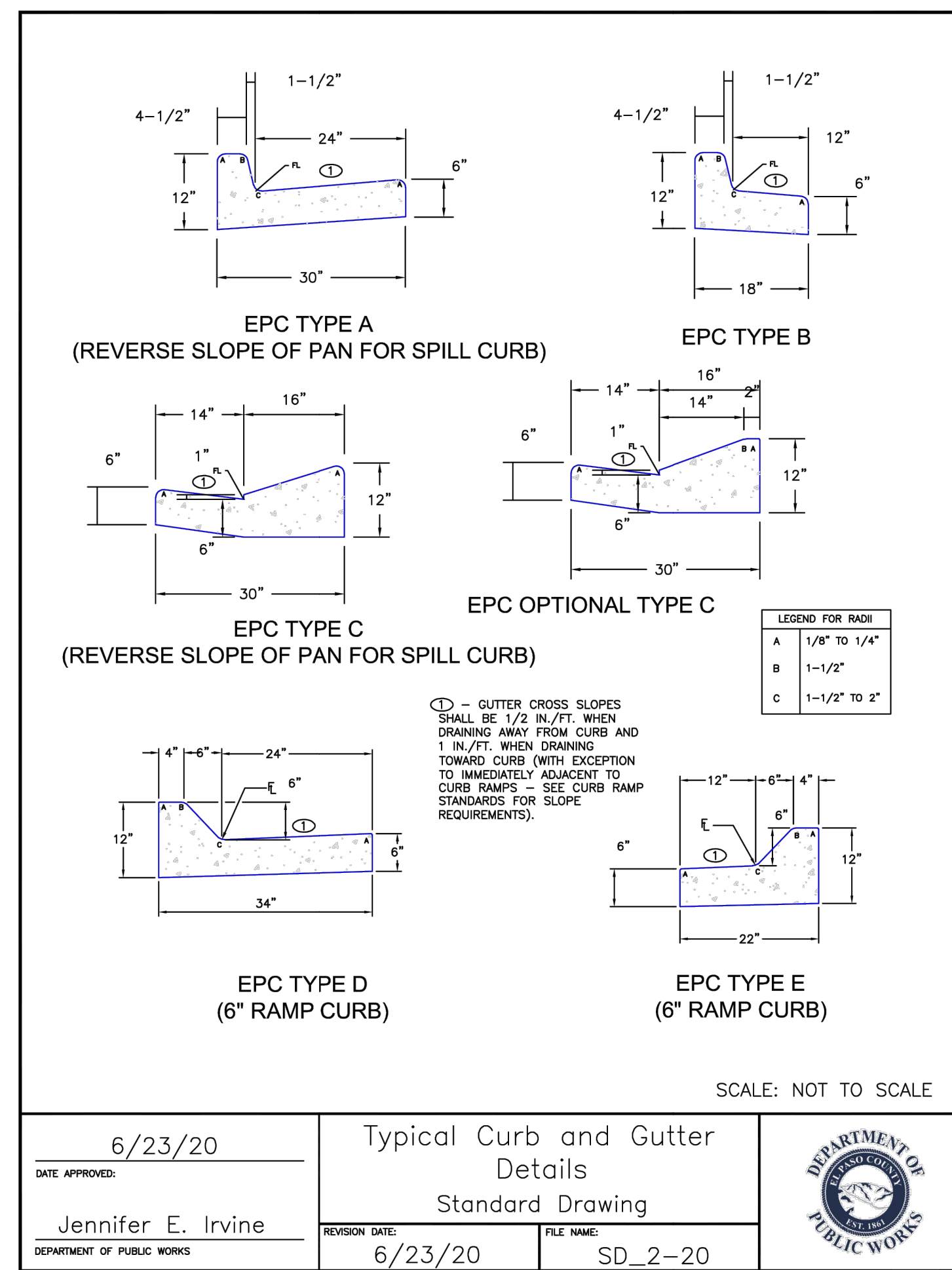
PREPARED FOR
RHETORIC, LLC
20 BOULDER CRESCENT, SUITE 200
COLORADO SPRINGS, CO
ATTN: ERIC HOWARD
EHOWARD@MAIL.COM
(719) 964-0064

J.R. ENGINEERING
A Westman Company
Central 303-740-9888 • Colorado Springs 719-583-2583
Fort Collins 970-491-9888 • www.jrengineering.com

No.	REVISION	BY	DATE

STERLING RECYCLING FACILITY
SIGNAGE & STRIPING

SHEET 8 OF 10
JOB NO. 25188.14



ENGINEER'S STATEMENT
 STANDARD DETAILS SHOWN WERE REVIEWED ONLY AS TO THEIR APPLICATION ON THIS PROJECT

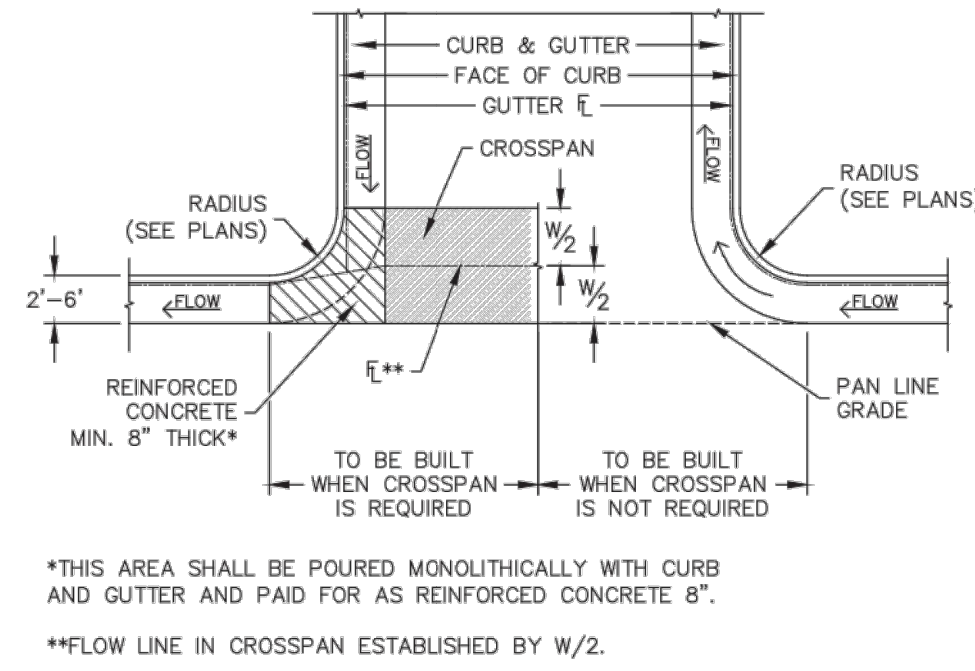
Bryan T. Law
 BRYAN T. LAW, P.E.
 COLORADO P.E. 25043
 FOR AND ON BEHALF OF JR ENGINEERING

DATE: 9/09/24

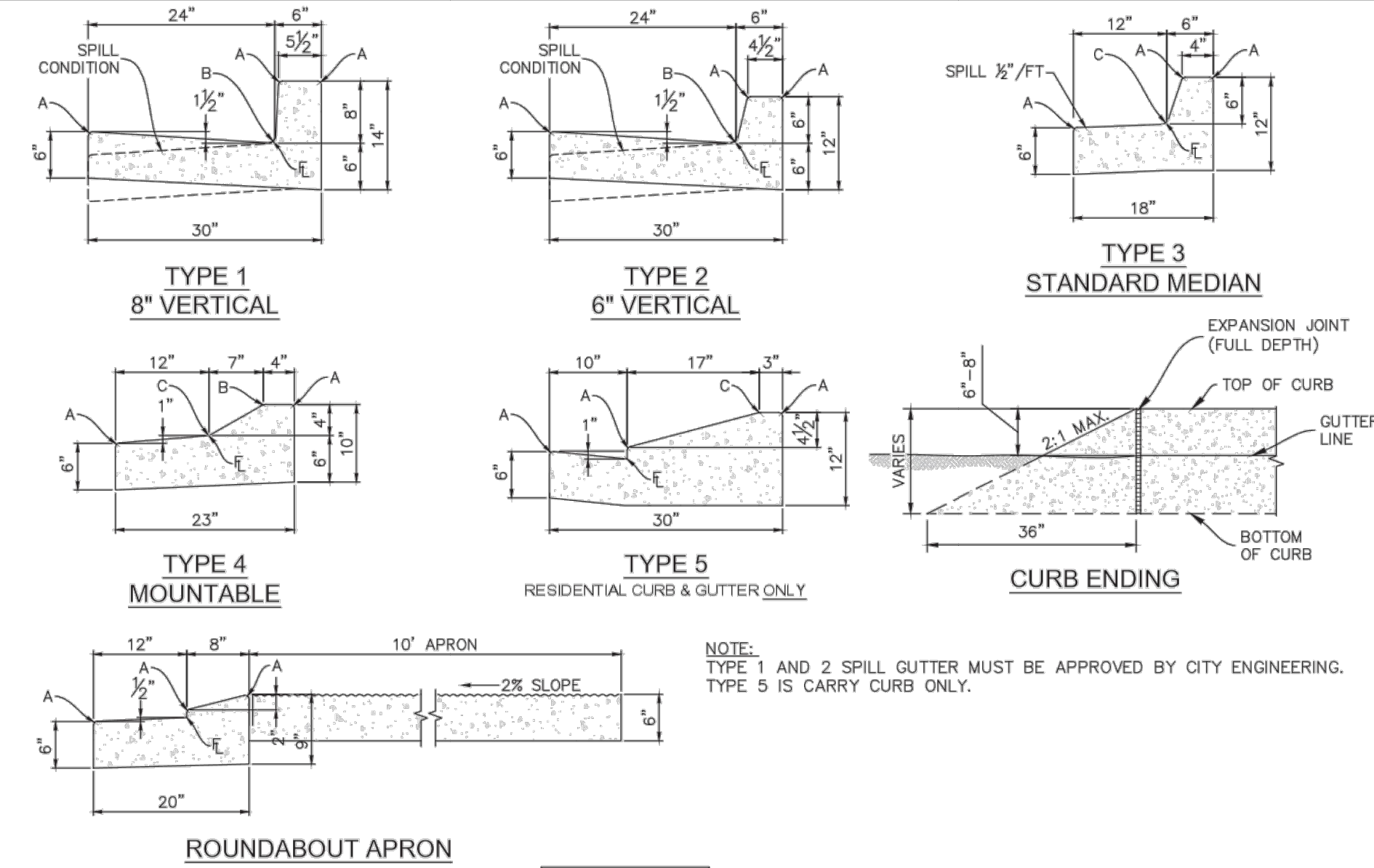
UNTIL SUCH TIME AS THESE DRAWINGS ARE APPROVED BY THE APPROPRIATE REVIEWING AGENCIES, OR ENGINEERING APPROVES THEIR USE, THESE DRAWINGS ARE DESIGNATED BY WRITTEN AUTHORIZATION.	
PREPARED FOR	RHETORIC, LLC 20 BOULDER CRESCENT, SUITE 200 COLORADO SPRINGS, CO ATTN: ERIC HOWARD EHOWARD@MAIL.COM (719) 964-0064
BY	DATE
No.	REVISION
H-SCALE	N/A
V-SCALE	N/A
DATE	08/22/24
DESIGNED BY	N/A
DRAWN BY	GAG
CHECKED BY	
STERLING RECYCLING FACILITY DETAIL SHEETS	
SHEET	9 OF 10
JOB NO.	25188.14

GENERAL NOTES:

- ALL WORK SHALL BE DONE IN ACCORDANCE WITH CURRENT CITY OF COLORADO SPRINGS ENGINEERING DIVISION (THE CITY) STANDARD SPECIFICATIONS.
- THE CONTRACTOR SHALL OBTAIN ALL REQUIRED PERMITS. FOR CITY PERMITS CONTRACTORS SHALL USE THE ACELA ON-LINE PERMIT SYSTEM. ONCE CITY PERMITS ARE APPROVED AND PAID, THEN APPROPRIATE SCHEDULING AND NOTIFICATIONS SHALL BE IN ACELA.
- PRIOR TO OPENING TO TRAFFIC, CONCRETE SHALL HAVE A MINIMUM COMPRESSIVE STRENGTH OF 3,200 PSI AS DEMONSTRATED BY FIELD CURE CYLINDERS, AND USE A CITY APPROVED CONCRETE MIX.
- 1-INCH DEEP TOOL JOINTS SHALL BE INSTALLED AT 10-FOOT SPACING.
- A BROOM FINISH WITH SWEEPS IN THE DIRECTION OF FLOW SHALL BE APPLIED TO ALL GUTTER PANS.
- THE CONTRACTOR SHALL STAMP THEIR COMPANY NAME AND CONSTRUCTION DATE A MINIMUM EVERY 100-FEET OR FRACTION THEREOF ON FRONT FACE OF CURB.
- NEW ASPHALT SHALL NOT BE PLACED AGAINST FRESHLY POURED CONCRETE. CONCRETE SHALL BE 5-DAYS OLD OR HAVE A COMPRESSIVE STRENGTH OF 3,200 PSI AS DEMONSTRATED BY FIELD CURE CYLINDERS.
- ALL CURB TRANSITIONS (ONE TYPE TO ANOTHER) WILL BE 10-FOOT UNLESS OTHERWISE NOTED.
- CONTACT THE CITY FORESTRY DIVISION, PRIOR TO STARTING WORK, IF IT IS NECESSARY TO DISTURB TREES OR ROOTS.
- WHITE CURE SHALL BE PLACED WITH 100% COVERAGE, AND MEET THE SPECIFICATION OF SECTION 500.
- GUTTER IN/OUT SLOPES AT CURB CUTS FOR CURB RAMPS SHALL BE LESS THAN 5% AND BE A.D.A. COMPLIANT (SEE CURB RAMP DETAILS).
- CURB ENDINGS SHALL BE PLACED WHERE CURB AND GUTTER DEAD-ENDS.
- CURB CUTS FOR DRIVEWAYS ARE SHOWN ON THE DRIVEWAY DETAILS.

**CONSTRUCTION OF CONCRETE GUTTERS AT INTERSECTION**

	CURB & GUTTER GENERAL NOTES & DETAILS
APPROVED: <i>Jayle Stindwiant</i>	CITY ENGINEER
ISSUED: 2/28/20	REVISED: DRAWING NO. 6A



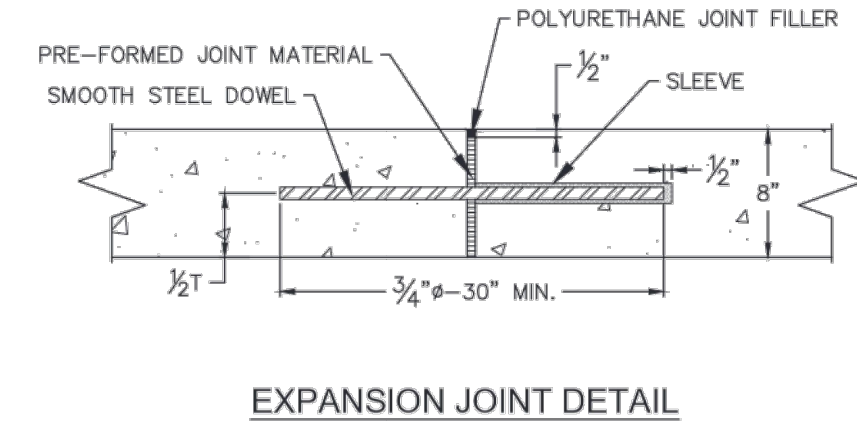
RADI LEGEND

A	1/2\" - 1/2\"
B	1 1/2\"
C	1 1/2\" - 2\"

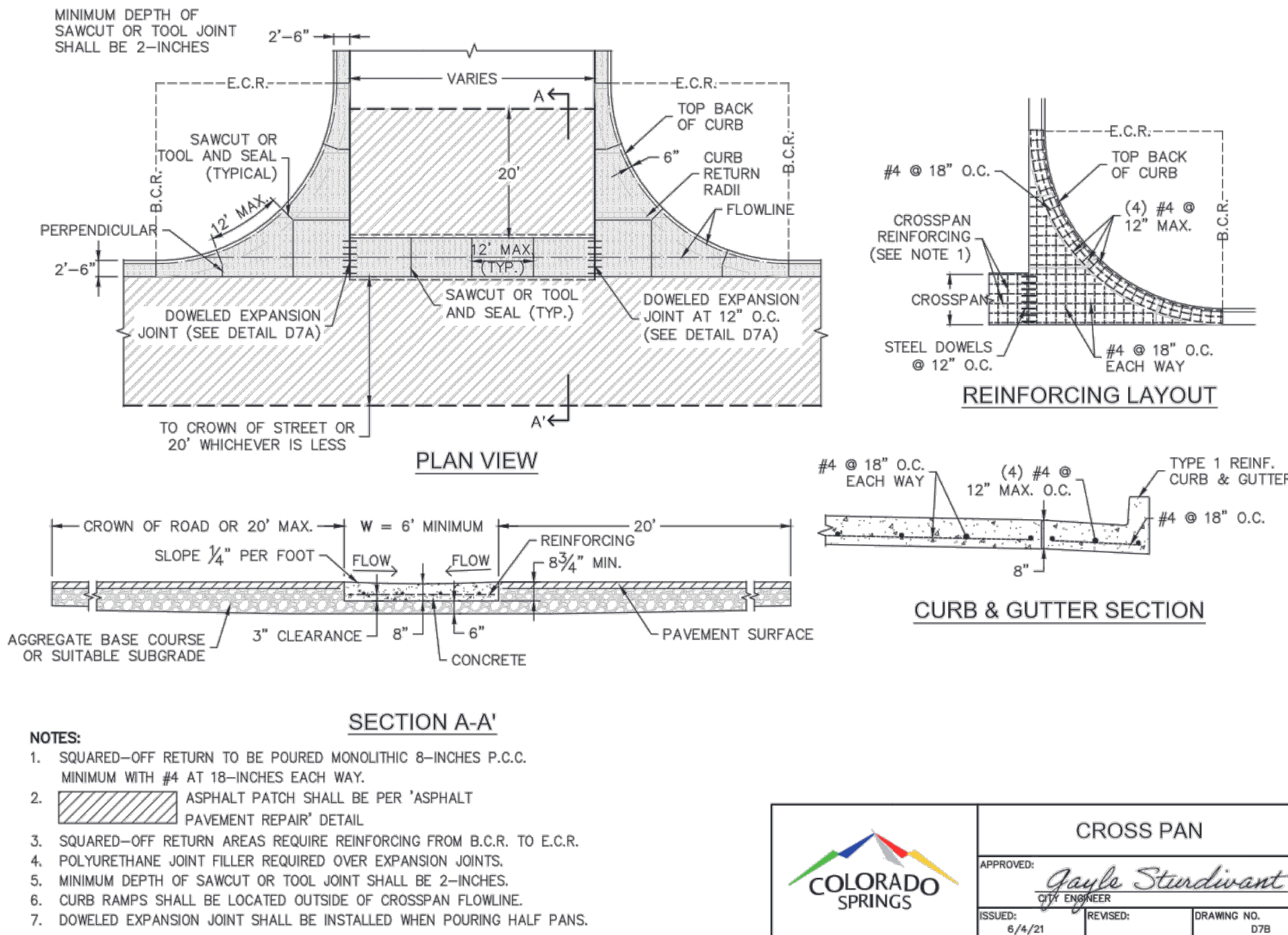
	CURB & GUTTER DETAILS
APPROVED: <i>Jayle Stindwiant</i>	CITY ENGINEER
ISSUED: 2/28/20	REVISED: DRAWING NO. 6B

GENERAL NOTES:

- ALL WORK SHALL BE DONE IN ACCORDANCE WITH CURRENT CITY OF COLORADO SPRINGS ENGINEERING DIVISION (THE CITY) STANDARD SPECIFICATIONS.
- THE CONTRACTOR SHALL OBTAIN ALL REQUIRED PERMITS. FOR CITY PERMITS CONTRACTORS SHALL USE THE ACELA ON-LINE PERMIT SYSTEM. ONCE CITY PERMITS ARE APPROVED AND PAID, THEN APPROPRIATE SCHEDULING AND NOTIFICATIONS SHALL BE IN ACELA.
- CONTACT CITY PARKS PRIOR TO STARTING WORK IF IT IS NECESSARY TO DISTURB MEDIAN LANDSCAPING OR WORK IS ADJACENT TO AN EXISTING PARK.
- CONTACT THE CITY FORESTRY DIVISION, PRIOR TO STARTING WORK, IF IT IS NECESSARY TO DISTURB TREES OR ROOTS.
- CONCRETE SHALL HAVE A MINIMUM COMPRESSIVE STRENGTH OF 4,000 PSI AND BE A CITY APPROVED CONCRETE MIX DESIGN.
- A BROOM FINISH, WITH SWEEPS IN THE DIRECTION OF FLOW, SHALL BE APPLIED TO ALL GUTTER AND CROSS PANS.
- PRIOR TO OPENING TO TRAFFIC, CONCRETE SHALL HAVE A MINIMUM COMPRESSIVE STRENGTH OF 3,200 PSI AS DEMONSTRATED BY FIELD CURE CYLINDERS.
- NEW ASPHALT SHALL NOT BE PLACED AGAINST FRESHLY POURED CONCRETE. CONCRETE SHALL BE 5-DAYS OLD OR HAVE A COMPRESSIVE STRENGTH OF 3,200 PSI AS DEMONSTRATED BY FIELD CURE CYLINDERS. WHERE PATCHING IN AN EXISTING ROADWAY, PATCHING SHALL BE IN ACCORDANCE WITH ASPHALT REPAIR DRAWINGS.
- THE CONTRACTOR SHALL STAMP THEIR COMPANY NAME AND CONSTRUCTION DATE ON FRONT FACE OF CURB.
- WHITE CURE SHALL BE PLACED WITH 100% COVERAGE, AND MEET THE SPECIFICATION OF SECTION 500.

**EXPANSION JOINT DETAIL**

	CROSS PAN NOTES
APPROVED: <i>Jayle Stindwiant</i>	CITY ENGINEER
ISSUED: 6/4/21	REVISED: DRAWING NO. D7A



	CROSS PAN
APPROVED: <i>Jayle Stindwiant</i>	CITY ENGINEER
ISSUED: 6/4/21	REVISED: DRAWING NO. D7B

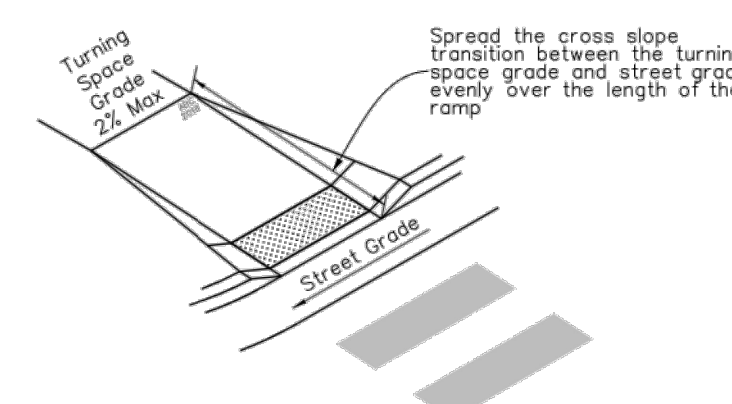
General Notes

- All work shall be done in accordance with the current City of Colorado Springs Engineering Division (the City) Standard Specifications.
- The Contractor shall obtain all required permits and notify City Engineering by 1500 hours the business day before inspection is required.
- Concrete shall have a minimum compressive strength of 4,000 psi and use a City-approved concrete mix.
- A broom finish, with sweeps perpendicular to the direction of pedestrian traffic, shall be applied to all ramp surfaces.
- The Contractor shall stamp their company name and construction date at the top right corner of the ramp as viewed from the street.
- Detectable warnings shall be installed at sidewalk to street transitions and shall consist of prefabricated truncated dome panels approved by the City. The detectable warning panels shall be set into the wet concrete. The domes shall be in a square grid pattern and aligned with pedestrian traffic.
- All detectable warning surfaces at the base of ramps shall start a minimum of 6 inches from the flowline of the curb and not be more than 8 inches from any point on the flowline of the curb, with the exception for ramps that are constructed within the curved portion of the return as approved by the City.
- Ramp and detectable warning running slope shall be 8.3% or flatter except on long ramps as specified by Note 14.
- Drainage structures, traffic signal equipment, or other obstructions shall not be installed in the ramp or turning space areas.
- If a traffic signal pedestrian push button cannot be mounted within 10 inches horizontally of the pedestrian path or is obstructed from reach then a separate pedestrian push button post assembly shall be installed. Push buttons shall meet the requirements of MUTCD Chapter 4 for pedestrian detectors.
- Diagonal ramps on the apex are not allowed in new construction. A single diagonal ramp on the apex may be permitted during reconstruction or alteration where physical or site constraints prevent two ramps from being installed and shall require approval from the City on a case-by-case basis.
- Ramps, excluding flared sides or blended transitions, shall be wholly contained within the width of the crosswalk and/or the pedestrian street crossing that they serve.
- All ramp joints and grade breaks shall be flush (0\"/>
- In retrofit applications, to avoid grading indefinitely on steep streets, ramp length is not required to exceed 15 feet.
- The counter slope of the gutter or road at the foot of a ramp, turning space, or blended transition shall not exceed 0.0%.
- Flared side slopes may exceed 10% only where they abut a non-walkable surface (landscaping or domed surface) or the adjacent circulation path is blocked such that it is unlikely for a pedestrian to walk across the flared side slope.
- The minimum turning space for new construction is 5 feet by 5 feet. The minimum turning space allowed for retrofit applications is 4 feet by 4 feet. In all types of construction where the turning space is constrained by an element taller than 2 inches such as curb, the turning space shall be 5 feet by 5 feet.
- Contact the City Forestry Division if it is necessary to disturb trees or roots.
- All curb ramps shall have a minimum concrete thickness of 6 inches.
- All sidewalks and turning spaces shall have a cross slope between 0.5% and 2.0%.
- Ramps shall align with each other across the street.

Slope Table

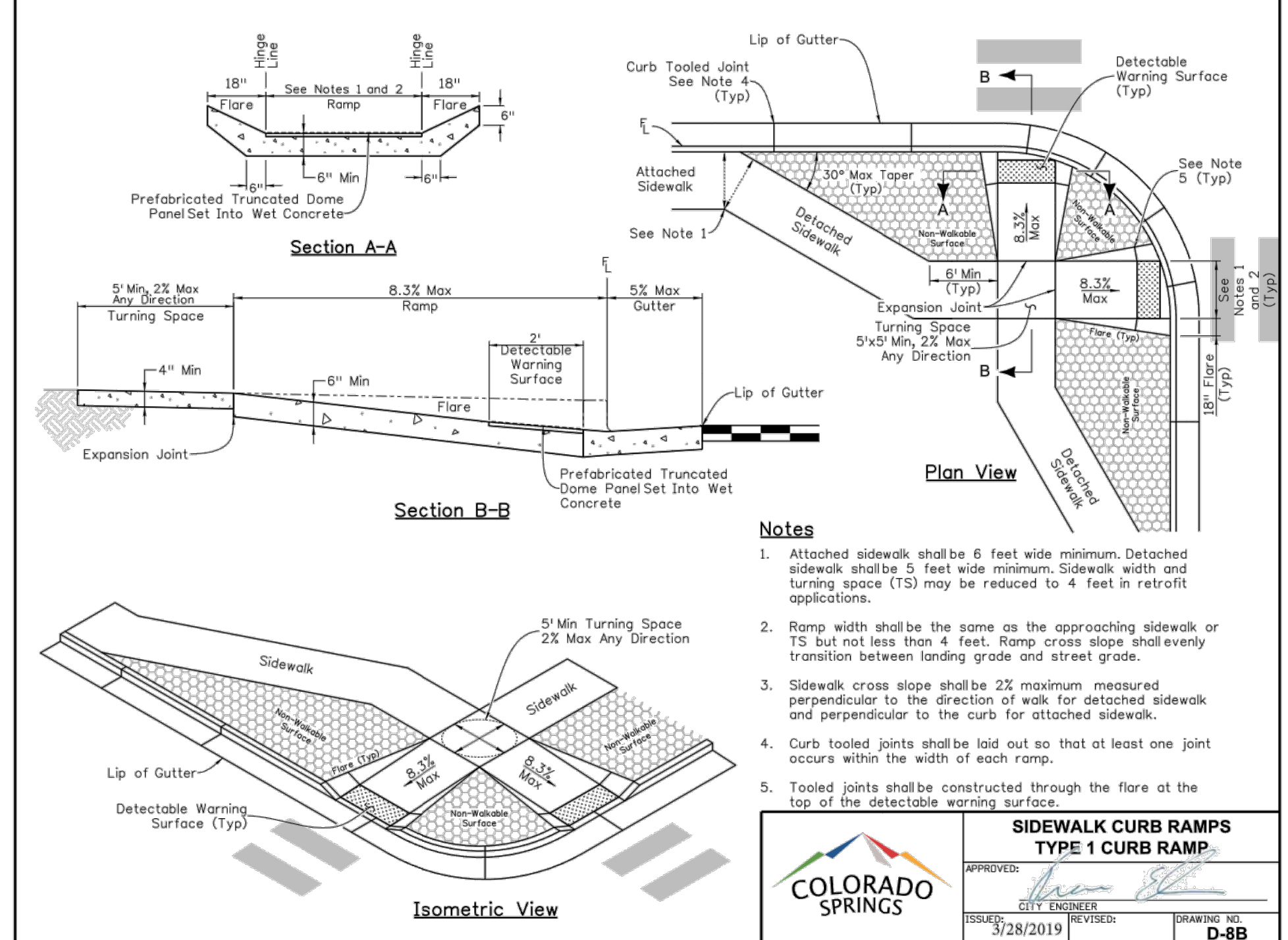
The table below is intended to be used to convert between the percent (rise/run) and ratio (run:rise) methods of expressing the magnitude of a slope:

PERCENT SLOPE	0.5%	1.0%	2.0%	5.0%	7.1%	8.3%	10.0%
RATIO SLOPE	20:1	10:1	50:1	20:1	14:1	12:1	10:1

**Ramp Cross Slope Transition To Match Roadway Profile**

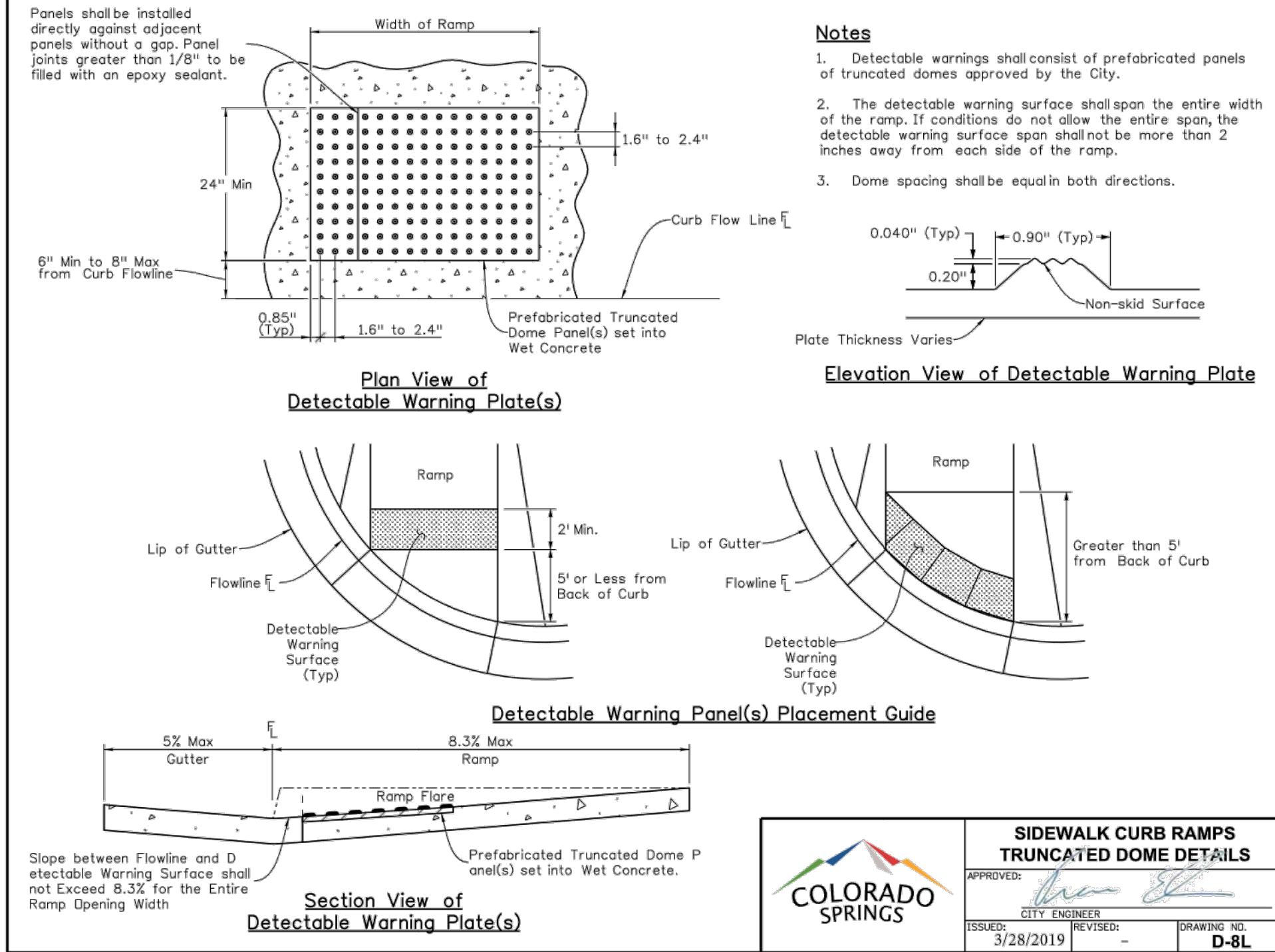
- Ramp cross slopes and turning spaces shall be:
- 2% max when a yield or stop control is present.
 - Permitted to equal the street grade when there is no yield or stop control, when a traffic signal is present, at a mid block crossing location, or in retrofit applications.

	SIDEWALK CURB RAMPS GENERAL NOTES AND DETAILS
APPROVED: <i>Jayle Stindwiant</i>	CITY ENGINEER
ISSUED: 3/28/2019	REVISED: DRAWING NO. D-8A

**Notes**

- Attached sidewalk shall be 6 feet wide minimum. Detached sidewalk shall be 5 feet wide minimum. Sidewalk width and turning space (TS) may be reduced to 4 feet in retrofit applications.
- Ramp width shall be the same as the approaching sidewalk or TS but not less than 4 feet. Ramp cross slope shall evenly transition between landing grade and street grade.
- Sidewalk cross slope shall be 2% maximum measured perpendicular to the direction of walk for detached sidewalk and perpendicular to the curb for attached sidewalk.
- Curb tooled joints shall be laid out so that at least one joint occurs within the width of each ramp.
- Tooled joints shall be constructed through the flare at the top of the detectable warning surface.

	SIDEWALK CURB RAMPS TYPE 1 CURB RAMP
APPROVED: <i>Jayle Stindwiant</i>	CITY ENGINEER
ISSUED: 3/28/2019	REVISED: DRAWING NO. D-8B



	SIDEWALK CURB RAMPS TRUNCATED DOME DETAILS
APPROVED: <i>Jayle Stindwiant</i>	CITY ENGINEER
ISSUED: 3/28/2019	REVISED: DRAWING NO. D-8L



ENGINEER'S STATEMENT STANDARD DETAILS SHOWN WERE REVIEWED ONLY AS TO THEIR APPLICATION ON THIS PROJECT	
	DATE: 9/09/24
BRYAN T. LAW, P.E. COLORADO P.E. 25043	
FOR AND ON BEHALF OF JR ENGINEERING	

J.R. ENGINEERING
A Westman Company
20 BOULDER CRESCENT, SUITE 200
COLORADO SPRINGS, CO
ATTN: ERIC HOWARD
EHOWARD@MAIL.COM
(719) 964-0064

No.	REVISION	BY	DATE

H-SCALE	V-SCALE	DATE	DESIGNED BY	DRAWN BY	CHECKED BY
N/A	N/A	08/22/24	N/A	GAG	

STERLING RECYCLING FACILITY	DETAIL SHEETS
SHEET 10 OF 10	JOB NO. 25188.14

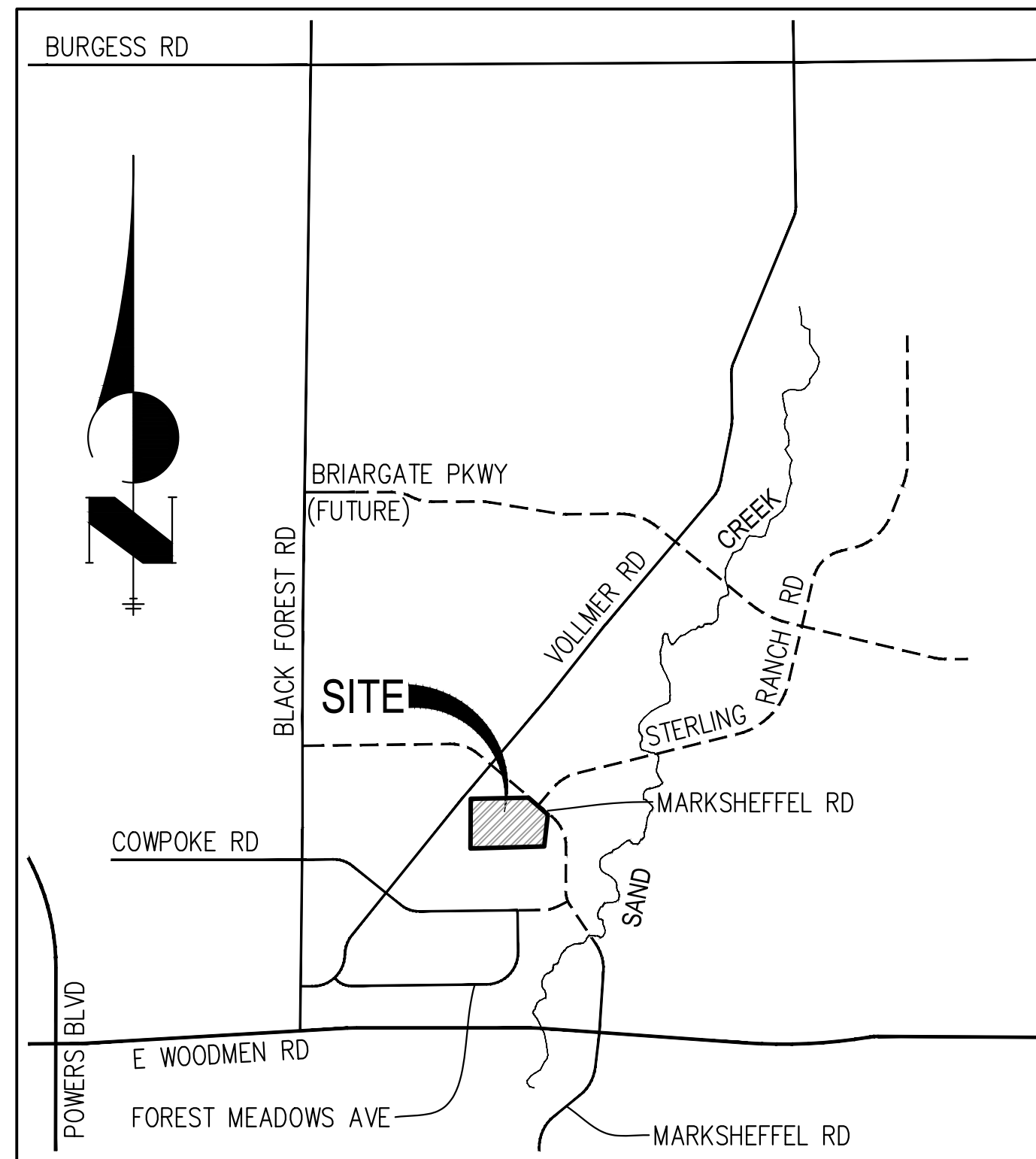
STERLING RECYCLING FACILITY

LOCATED IN THE NW1/4 OF THE NW1/4 OF SECTION 4 & THE N1/2 OF SECTION 5, SANITARY SYSTEM PLAN

COUNTY OF EL PASO, STATE OF COLORADO

GENERAL NOTES

- ALL UTILITY CONSTRUCTION TO BE CONDUCTED IN CONFORMANCE WITH THE CURRENT FALCON AREA WATER & WASTEWATER AUTHORITY (FAWWA, THE AUTHORITY) SPECIFICATIONS.
- ALL PLANS ON THE JOB SITE SHALL BE SIGNED BY THE AUTHORITY AND THE AUTHORITY'S ENGINEER. ANY REVISION TO THE PLANS SHALL BE SO NOTED WITH THE OLD DRAWING MARKED NOT VALID.
- ALL STATIONING IS CENTERLINE UNLESS OTHERWISE NOTED. ALL ELEVATIONS ARE CENTERLINE UNLESS OTHERWISE NOTED.
- ALL MATERIALS AND WORKMANSHIP SHALL BE SUBJECT TO INSPECTION BY THE AUTHORITY. THE AUTHORITY RESERVES THE RIGHT TO ACCEPT OR REJECT ANY SUCH MATERIALS AND WORKMANSHIP THAT DOES NOT CONFORM TO ITS STANDARDS AND SPECIFICATIONS.
- ALL WATER AND SEWER SERVICE LOCATIONS SHALL BE CLEARLY MARKED ON EITHER THE CURB HEAD OR THE FACE OF THE CURB, WITH AN "S" FOR SEWER AND A "W" FOR WATER.
- DUCTILE IRON PIPES, INCLUDING FITTINGS, VALVES AND FIRE HYDRANTS, SHALL BE WRAPPED WITH POLYETHYLENE TUBING, DOUBLE BONDED AT EACH JOINT AND ELECTRICALLY ISOLATED. BONDING AND ANODE CONNECTIONS SHALL BE THOROUGHLY COATED WITH BITUMINOUS COATINGS.
- ALL DUCTILE IRON PIPE LESS THAN 12 INCHES AND FITTINGS SHALL HAVE CATHODIC PROTECTION USING TWO NO. 6 WIRES WITH 17 LB MAGNESIUM ANODES EVERY 400 FEET AND 9 LB MAGNESIUM ANODES AT EACH FITTING. ALL DUCTILE IRON PIPE 12 INCHES AND GREATER AND FITTINGS SHALL HAVE CATHODIC PROTECTION USING TWO NO. 6 WIRES WITH 17 LB MAGNESIUM ANODES EVERY 300 FEET AND 9 LB MAGNESIUM ANODES AT EACH FITTING.
- ALL PIPE MATERIAL, BACKFILL AND INSTALLATION SHALL CONFORM TO THE APPLICABLE SPECIFICATIONS OF THE CITY OF COLORADO SPRINGS, COLORADO DEPARTMENT OF TRANSPORTATION, EL PASO COUNTY DEPARTMENT OF TRANSPORTATION, COLORADO SPRINGS UTILITIES AND THE GEOTECHNICAL ENGINEER.
- COMPACTION TESTS SHALL BE 95% STANDARD PROCTOR AS DETERMINED BY ASTM D698, UNLESS OTHERWISE APPROVED BY THE AUTHORITY OR HIGHER STANDARD AS IMPOSED BY ANOTHER AGENCIES HAVING RIGHT-OF-WAY JURISDICTION. THIS SHALL INCLUDE ALL VALVES, FIRE HYDRANT RUNS, WATER & SEWER SERVICE LINES AND MANHOLES. ALL REPORTS SHALL BE SUBMITTED TO THE DISTRICT FOR REVIEW AND APPROVAL.
- THE LOCATION OF ALL EXISTING UTILITIES SHOWN ON THE DRAWINGS ARE APPROXIMATE ONLY. THE LOCATION OF ALL UTILITIES SHALL BE FIELD VERIFIED PRIOR TO COMMENCING CONSTRUCTION ACTIVITIES. THE AUTHORITY SHALL BE NOTIFIED OF ANY DEVIATIONS TO THE LINE AND/OR GRADE AS DEPICTED ON THE PLANS. CONTRACTOR SHALL SUBMIT TO THE AUTHORITY AND THE ENGINEER OF RECORD A REPORT OF THE FIELD VERIFIED INFORMATION PRIOR TO THE START OF CONSTRUCTION.
- ALL BENDS SHALL BE FIELD STAKED PRIOR TO THE START OF CONSTRUCTION.
- BENDS, DEFLECTION & CUT PIPE LENGTHS SHALL BE USED TO HOLD HORIZONTAL ALIGNMENT OF SEWER AND WATER LINES TO NO MORE THAN 0.5' FROM THE DESIGNED ALIGNMENT. CONSTRUCTION STAKES TO BE AT 25' INTERVALS ALONG CURVES TO ASSURE LOCATION OF PIPE LINE CONSTRUCTION.
- AT ALL LOCATIONS WHERE GAP AND STUB IS NOTED ON DRAWINGS, PROVIDE A PLUG AT THE END OF THE PIPE JOINT NEAREST THE SPECIFIED STATION. PROVIDE A REVERSE ANCHOR AT ALL WATER LINE PLUGS.
- ALL UNUSED SALVAGED WATER UTILITY MATERIAL SHALL BE RETURNED TO THE AUTHORITY AS REQUESTED.
- AT THE CONTRACTOR'S EXPENSE, ALL UTILITY MAINS SHALL BE SUPPORTED AND PROTECTED SUCH THAT THEY SHALL FUNCTION CONTINUOUSLY DURING CONSTRUCTION OPERATIONS. SHOULD A UTILITY MAIN FAIL AS A RESULT OF THE CONTRACTOR'S OPERATION, IT SHALL BE REPLACED IMMEDIATELY BY THE CONTRACTOR OR BY THE AUTHORITY AT FULL COST OF LABOR AND MATERIALS TO THE CONTRACTOR/DEVELOPER.
- PUMPING OR BYPASS OPERATIONS SHALL BE REVIEWED AND APPROVED BY BOTH THE AUTHORITY AND THE AUTHORITY ENGINEER PRIOR TO EXECUTION.
- THE CONTRACTOR SHALL REPLACE OR REPAIR DAMAGE TO ALL SURFACE IMPROVEMENTS, INCLUDING BUT NOT LIMITED TO FENCES, LANDSCAPING, CURB AND GUTTER AND/OR ASPHALT THAT MAY BE CAUSED DURING CONSTRUCTION.
- ALL CONTRACTORS WORKING ON OR NEAR A WATER OR SEWER FACILITY (TO INCLUDE SERVICE LINE) SHALL HAVE LIABILITY INSURANCE NAMING THE AUTHORITY AS AN ADDITIONAL INSURED AND SHALL PROVIDE A CURRENT COPY OF WORKERS COMPENSATION INSURANCE ON FILE WITH THE AUTHORITY. NO WORK CAN PROCEED WITHOUT CURRENT CERTIFICATES ON FILE AT THE AUTHORITY'S OFFICE.
- THE CONTRACTOR SHALL NOTIFY THE AUTHORITY AND ALL AFFECTED UTILITY COMPANIES ADJACENT TO THE PROPOSED UTILITY CONSTRUCTION A MINIMUM OF 48 HOURS AND A MAXIMUM OF 96 HOURS PRIOR TO THE START OF CONSTRUCTION. A WEEKLY CONSTRUCTION MEETING SHALL BE REQUIRED WITH THE CONTRACTOR, AUTHORITY ENGINEER AND ALL OTHER PARTIES AS DEEMED NECESSARY BY THE AUTHORITY.
- COMMENCEMENT OF CONSTRUCTION OF WATER/SEWER SYSTEMS WITHIN THE AUTHORITY:
 - PRIOR TO THE START OF CONSTRUCTION, A PRE-CONSTRUCTION MEETING IS REQUIRED A MINIMUM OF 48 HOURS IN ADVANCE OF COMMENCEMENT OF WORK. A REPRESENTATIVE OF THE OWNER OR DEVELOPER, A REPRESENTATIVE OF THE CONTRACTOR AND DESIGN ENGINEER ARE REQUIRED TO ATTEND. CONTACT THE AUTHORITY TO SCHEDULE THE PRE-CONSTRUCTION MEETING. NO PRE-CONSTRUCTION MEETING CAN BE SCHEDULED PRIOR TO FOUR (4) SIGNED/ APPROVED PLAN SETS ARE RECEIVED BY THE AUTHORITY.
 - THE CONTRACTOR IS REQUIRED TO NOTIFY THE AUTHORITY A MINIMUM OF 48 HOURS AND A MAXIMUM OF 2 WEEKS PRIOR TO THE START OF CONSTRUCTION. THE CONTRACTOR SHALL ALSO NOTIFY AFFECTED UTILITY COMPANIES AT LEAST 48 HOURS PRIOR TO THE START OF CONSTRUCTION ADJACENT TO THE KNOWN UTILITY LINES.
- TESTING OF FACILITIES:
 - THE CONTRACTOR SHALL NOTIFY THE AUTHORITY A MINIMUM OF 48 HOURS AND A MAXIMUM OF 96 HOURS PRIOR TO THE START OF ANY TESTING.
 - ALL SECTIONS OF WATER LINE ARE TO MEET THE FOLLOWING PRESSURE TESTING REQUIREMENTS:
 - TEST 100% OF ALL LINES
 - MUST PASS PRESSURE TEST TO 200 PSI FOR TWO HOURS (UNLESS OTHERWISE APPROVED ON THE PLANS).
 - ALL SANITARY SEWER FACILITIES ARE TO MEET THE FOLLOWING TESTING REQUIREMENTS:
 - ALL LINES SHALL BE JET CLEANED PRIOR TO VACUUM OR PRESSURE TESTING
 - ALL MANHOLES SHALL BE VACUUM TESTED WITH DISTRICT STAFF PRESENT PRIOR TO CCTV INSPECTION.
 - SEWER MAINS TO BE PRESSURE TEST PRIOR TO CCTV INSPECTION
 - ALL LINES SHALL BE CCTV INSPECTED AND VIDEO SHALL TO BE SUBMITTED TO THE DISTRICT FOR REVIEW AND APPROVAL.
- PRELIMINARY ACCEPTANCE SHALL BE DEFINED AS THE POINT IN TIME THAT THE AUTHORITY ACCEPTS THE FACILITY FOR USE. ALL SURFACE IMPROVEMENTS AND RESTORATION SHALL BE COMPLETED WITHIN 30 DAYS OF COMMENCEMENT. SHOULD THE CONTRACTOR FAIL TO COMPLETE ALL SURFACE IMPROVEMENTS AND RESTORATION WITHIN 30 DAYS OF COMMENCEMENT OF SERVICE, THE AUTHORITY, AT THEIR DISCRETION, MAY ELECT TO COMPLETE THE IMPROVEMENTS AT THE CONTRACTORS COST.
- FINAL ACCEPTANCE BY THE DISTRICT OF ANY LINE OR SYSTEM SHALL NOT OCCUR UNTIL COMPLETION OF FINAL ASPHALT LAYERS AND/OR FINAL COMPLETION AND/OR RESTORATION OF ALL SURFACE IMPROVEMENTS. THE WARRANTY PERIOD FOR ALL FACILITIES PRIOR TO FINAL ACCEPTANCE SHALL BE 24 MONTHS COMMENCING AFTER PRELIMINARY ACCEPTANCE.
- ACCEPTANCE:
 - THE AUTHORITY MAY GIVE PRELIMINARY ACCEPTANCE ONCE ALL OF THE TESTS ON ALL THE LINES HAVE BEEN COMPLETED AND A WALK-THRU HAS OCCURRED.
 - A SECOND ACCEPTANCE MAY OCCUR ONCE FIRST LIFT OF ASPHALT GOES DOWN AND A SECOND WALK-THRU OF THE SYSTEM OCCURS. IF ALL FACILITIES ARE CLEAN AND ACCESSIBLE, A FINAL ACCEPTANCE MAY OCCUR (THE DISTRICT MAY REQUIRE CLEANING AND RE-VIDEO OF THE SYSTEM, DEPENDING ON THE SEVERITY OF THE CONTAMINATION).
- ALL WATER AND SEWER MAINS, INCLUDING SERVICE LINES, SHALL HAVE "AS-BUILT" DRAWINGS PREPARED AND APPROVED PRIOR TO PRELIMINARY ACCEPTANCE BY THE AUTHORITY.
- ALL COMMERCIAL/BUSINESS DEVELOPMENTS SHALL HAVE AN EIGHT INCH (MIN.) WATER MAIN LOOPED THROUGH THE PROPOSED PROPERTY WITH GATE VALVES LOCATED WHERE THE MAIN ENTERS THE PROPERTY LINE. AN EIGHT INCH SEWER MAIN SHALL BE INSTALLED FOR SERVICE TO COMMERCIAL/BUSINESS DEVELOPMENTS, AND A MANHOLE SHALL BE LOCATED WHERE THE MAIN ENTERS THE PROPERTY. THE END OF THE MAINS SHALL BE MARKED WITH THE APPROPRIATE COLORED CARSONITE MARKER ALONG WITH TRACER WIRE.
- AFTER REVIEW AND APPROVAL OF PLANS FOR THE EXTENSION OF LINES, FACILITIES AND/OR SERVICES, CONSTRUCTION MUST BE COMMENCED WITHIN 18 MONTHS FOR RESIDENTIAL SUBDIVISIONS AND 12 MONTHS FOR ANY COMMERCIAL INSTALLATIONS.
- INSPECTION FEES: CALL THE AUTHORITY (719-495-2500) FOR FEE SCHEDULE.



VICINITY MAP
1"=1000'

BASIS OF BEARINGS

THE NORTH LINE OF THE NORTHWEST QUARTER OF THE NORTHEAST QUARTER OF SECTION 5, TOWNSHIP 13 SOUTH, RANGE 65 WEST OF THE 6TH PRINCIPAL MERIDIAN, BEING MONUMENTED AT THE NORTHEAST CORNER OF THE NORTHWEST QUARTER OF THE NORTHEAST QUARTER OF SECTION 5 BY A 3-1/4" ALUMINUM CAP STAMPED "LS 10376" AND AT THE NORTH QUARTER CORNER BY A 3-1/4" ALUMINUM CAP STAMPED "LS 4842 1996", BEARING S89°14'13"W.

BENCHMARKS

- THE TOP OF AN ALUMINUM SURVEYORS CAP, STAMPED "9853", AT THE SOUTHEAST BOUNDARY CORNER OF BARBARICK SUBDIVISION
NORTHING = 411416.273
EASTING = 235167.071
ELEVATION = 7023.42
- THE TOP OF A RED PLASTIC SURVEYORS CAP, ILLEGIBLE, AT THE NORTHWEST BOUNDARY CORNER OF PANNEE RANCHEROS SUBDIVISION
NORTHING = 410095.404
EASTING = 235052.131
ELEVATION = 7000.40
- THE TOP OF A RED PLASTIC SURVEYORS CAP, STAMPED "38141", AT THE SOUTHWEST BOUNDARY CORNER OF BARBARICK SUBDIVISION
NORTHING = 411399.962
EASTING = 233849.817
ELEVATION = 7030.82

WASTEWATER SYSTEM INSTALLATION NOTES

- SANITARY SEWER LENGTHS ARE MH CENTER-MH CENTER (OR STRUCTURE CENTER-STRUCTURE CENTER). ALL SANITARY SEWER PIPES SHALL BE SDR 35 PVC OR EQUAL. SEWER LINES MAY NOT EXCEED 7% GRADE FOR ANY SIZE WITHOUT PRIOR APPROVAL OF THE AUTHORITY. ALL NEWLY CONSTRUCTED RESIDENTIAL SANITARY SEWER TAPS SHALL USE PRE-MANUFACTURED IN-LINE PVC PUSH-ON WYES. TAPPING SADDLES MAY ONLY BE USED FOR TAPPING PRE-EXISTING MAINS.
- ALL SANITARY SEWER MANHOLES SHALL BE WRAPPED WITH RU116 - RUBR-NEK JOINT WRAP OR EQUIVALENT AND COATED.
- COMMENCEMENT OF USE OF SEWER LINES AND/OR SYSTEMS:
 - NO SANITARY SEWER FACILITY SHALL BE PLACED IN SERVICE UNTIL AFTER THE COMPLETION OF ALL JET CLEANING, PRESSURE TESTING, CCTV INSPECTION, COMPACTION TESTING AND AS-BUILT DRAWINGS ARE SUBMITTED AND APPROVED BY THE AUTHORITY.
 - NO SANITARY SEWER FACILITY SHALL BE PLACED IN SERVICE UNTIL ALL SERVICE LINES ARE COMPLETED AND THE FIRST LIFT OF ASPHALT IS COMPLETED OVER THE LINE. IN THE CASE WHERE NO ASPHALT IS TO BE PLACED OVER THE LINE, ANY REQUIRED SURFACE IMPROVEMENTS SHALL BE COMPLETED PRIOR TO USE OF THE FACILITY.
 - ALL NECESSARY EASEMENTS (PLATTED OR DEEDED) ARE DEDICATED, EXECUTED BY THE AUTHORITY, AND RECORDED.
 - DOWNSTREAM PLUG CAN BE REMOVED ONCE FIRST LIFT OF ASPHALT IS DOWN AND THE ABOVE REQUIREMENTS ARE MET.

AGENCIES

OWNER/DEVELOPER:	RHETORIC, LLC 20 BOULDER CRESCENT, SUITE 200 COLORADO SPRINGS, CO 80903 ERIC HOWARD (719) 964-0064	FIRE DISTRICT:	BLACK FOREST FIRE PROTECTION DISTRICT 11445 TEACHOUT ROAD COLORADO SPRINGS, CO 80908 CHIEF BRYAN JACK (719) 495-4300
CIVIL ENGINEER:	JR ENGINEERING, LLC 5475 TECH CENTER DRIVE COLORADO SPRINGS, CO 80919 BRYAN T. LAW P.E. (303) 267-6254	GAS DEPARTMENT:	COLORADO SPRINGS UTILITIES 7710 DURANT DR. COLORADO SPRINGS, CO 80947 TIM WENDT (719) 668-3556
COUNTY ENGINEERING:	EL PASO COUNTY PLANNING AND COMMUNITY DEVELOPMENT 2880 INTERNATIONAL CIRCLE, SUITE 110 COLORADO SPRINGS, CO 80910 JEFF RICE, P.E. (719) 520-6300	ELECTRIC DEPARTMENT:	MOUNTAIN VIEW ELECTRIC 11140 E. WOODMEN ROAD FALCON, CO 80831 (719) 495-2283
TRAFFIC ENGINEERING:	EL PASO COUNTY DEPARTMENT OF PUBLIC WORKS 3275 AKERS DRIVE COLORADO SPRINGS, CO 80922 JENNIFER IRVINE, P.E. (719) 520-6460	ARCHITECT/PLANNER:	NES LANDSCAPE ARCHITECTS 619 N CASCADE AVE COLORADO SPRINGS, CO 80903 JENNIFER SHAGIN (719) 884-1374
WATER RESOURCES:	FALCON AREA WATER & WASTEWATER AUTHORITY ENGINEER RESPEC 5540 TECH CENTER DRIVE, SUITE 100 COLORADO SPRINGS, CO 80919 JOHN MCGINN (719) 227-0072		

SHEET INDEX

- 1 : COVER
- 2 : LEGEND
- 3-5 : SANITARY SEWER PLANS
- 6 : DETAIL SHEET

EL PASO COUNTY STATEMENT

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.

11/25/2024

JOSHUA PALMER, P.E.

DATE

COUNTY ENGINEER/ECM ADMINISTRATOR

WATER & SEWER MAIN EXTENSIONS

ANY CHANGES OR ALTERATIONS AFFECTING THE GRADE, ALIGNMENT, ELEVATION AND/OR DEPTH OF COVER OF ANY WATER OR SEWER MAINS OR OTHER APPURTENANCE SHOWN ON THIS DRAWING SHALL BE THE RESPONSIBILITY OF THE OWNER/DEVELOPER. THE OWNER/DEVELOPER SHALL BE RESPONSIBLE FOR ALL OPERATIONAL DAMAGES AND DEFECTS IN INSTALLATION AND MATERIAL FOR MAINS AND SERVICES FROM THE DATE OF APPROVAL UNTIL FINAL ACCEPTANCE IS ISSUED.

SIGNED DATE 7-25-24

JR LAND, LLC
20 BOULDER CRESCENT, SUITE 201
COLORADO SPRINGS, CO 80903
(719) 471-1742

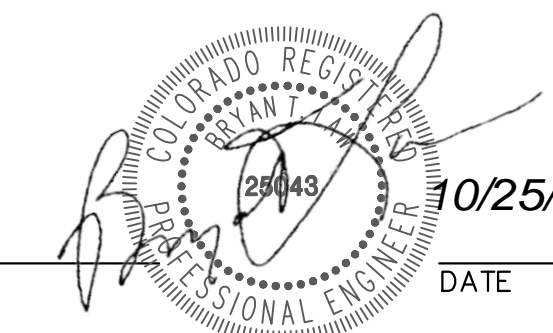
FALCON AREA WATER & WASTEWATER AUTHORITY ENGINEER

THESE CONSTRUCTION DOCUMENTS HAVE BEEN REVIEWED AND APPROVED FOR THE SANITARY SEWER, WATER MAIN AND ASSOCIATED UTILITY SERVICE CONSTRUCTION. RESPONSIBILITY FOR COMPLETENESS AND ACCURACY REMAINS WITH THE DESIGN ENGINEER.

SIGNED DATE 10/25/24

ENGINEER'S STATEMENT

THIS WASTEWATER SYSTEM PLAN WAS PREPARED UNDER MY DIRECTION AND SUPERVISION AND IS CORRECT TO THE BEST OF MY KNOWLEDGE AND BELIEF. SAID PLAN HAS BEEN PREPARED ACCORDING TO THE CRITERIA ESTABLISHED BY THE COUNTY FOR WASTEWATER SYSTEM PLANS. I ACCEPT RESPONSIBILITY FOR ANY LIABILITY CAUSED BY ANY NEGLIGENT ACTS, ERRORS OR OMISSIONS ON MY PART IN PREPARING THIS PLANS.



BRYAN T. LAW, P.E.
COLORADO P.E. 25043
FOR AND ON BEHALF OF JR ENGINEERING, LLC

DATE

PCD FILING NO.: SF2325



Know what's below.
Call before you dig.

UNTIL SUCH TIME AS THESE DRAWINGS ARE APPROVED BY THE APPROPRIATE REVIEWING AGENCIES, OR ENGINEERING APPROVES THEIR USE, THESE DRAWINGS ARE DESIGNATED BY WRITTEN AUTHORIZATION.

PREPARED FOR
RHETORIC, LLC
20 BOULDER CRESCENT, SUITE 200
COLORADO SPRINGS, CO
ERIC HOWARD
EHOWARDPC@GMAIL.COM
(719) 964-0064

J.R. ENGINEERING
A Westman Company
Central 303-740-9888 • Colorado Springs 719-583-2583
Fort Collins 970-491-9888 • www.jrengineering.com

BY	DATE

No.	REVISION

H-SCALE	1"=1000'
V-SCALE	N/A
DATE	07/25/24
DESIGNED BY	PAL
DRAWN BY	PAL
CHECKED BY	

STERLING RECYCLING FACILITY	COVER
SHEET	1 OF 6
JOB NO.	25188.14

UNTIL SUCH TIME AS THESE DRAWINGS ARE APPROVED BY THE APPROPRIATE REVIEWING AGENCIES, JR ENGINEERING APPROVES THEIR USE. THESE DRAWINGS ARE DESIGNATED BY WRITTEN AUTHORIZATION.

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RHETORIC, LLC
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ERIC HOWARD
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BY	DATE

No.	REVISION	N/A	N/A	DATE	DESIGNED BY	DRAWN BY	CHECKED BY
				07/25/24 <td> </td> <td> </td> <td> </td>			

STERLING RECYCLING FACILITY LEGEND

H-SCALE V-SCALE DATE DESIGNED BY DRAWN BY CHECKED BY

SHEET 2 OF 6
JOB NO. 25188.14

LANDSCAPE LEGEND

	EXISTING	PROPOSED
TREE - CONIFEROUS		
TREE - DECIDUOUS		
SHRUB/BUSH		
SHRUBS AND BUSHES		
IRRIGATION BOX		
IRRIGATION SPRINKLER		
IRRIGATION VALVE		
BOLLARD		
FLAGPOLE		

UTILITIES LEGEND

	EXISTING	PROPOSED
STORM SEWER		
MANHOLE		
STORM INLET		
AREA INLET - SQUARE		
AREA INLET - ROUND		
FLARED END SECTION		
RIPRAP		
SANITARY SEWER		
LINE MARKER	Mkr San ^o	
SERVICE MARKER		
CLEAN-OUT		
MANHOLE W/ DIRECTIONAL FLOW ARROW		
WATER LINE		
LINE MARKER	Mkr W ^o	
SERVICE MARKER		
FIRE HYDRANT		
FIRE CONNECTION		
MANHOLE		
BEND		
BLOW-OFF VALVE		
WELL		
METER		
VALVE		
REDUCER		
THRUST BLOCK		
CROSS		
PLUG W/ THRUST BLOCK		
TEE		
REVERSE ANCHOR		
ANODE		
AIR & VACUUM VALVE ASSEMBLY		
TRANSMISSION BLOW-OFF ASSEMBLY		
GAS LINE		
MARKER	Mkr G ^o	
SERVICE MARKER		
METER		
VALVE		
PLUG		
TEE		
DRY UTILITIES		
CABLE TV MARKER	Mkr TV ^o	
CABLE TELEVISION PEDESTAL		
ELECTRIC MARKER	Mkr E ^o	
ELECTRIC SERVICE MARKER		
ELECTRICAL PEDESTAL		
ELECTRICAL METER		
ELECTRICAL MANHOLE		
FIBER-OPTIC MARKER	Mkr FO ^o	
IRRIGATION PEDESTAL		
TELEPHONE MARKER	Mkr T ^o	
TELEPHONE PEDESTAL		
TELEPHONE MANHOLE		
UTILITY POLE		
GUY ANCHOR		
GUY POLE		
MISC. UTILITIES		
VENT PIPE		
TEST HOLE DESIGNATOR		

LAYER LINETYPE LEGEND

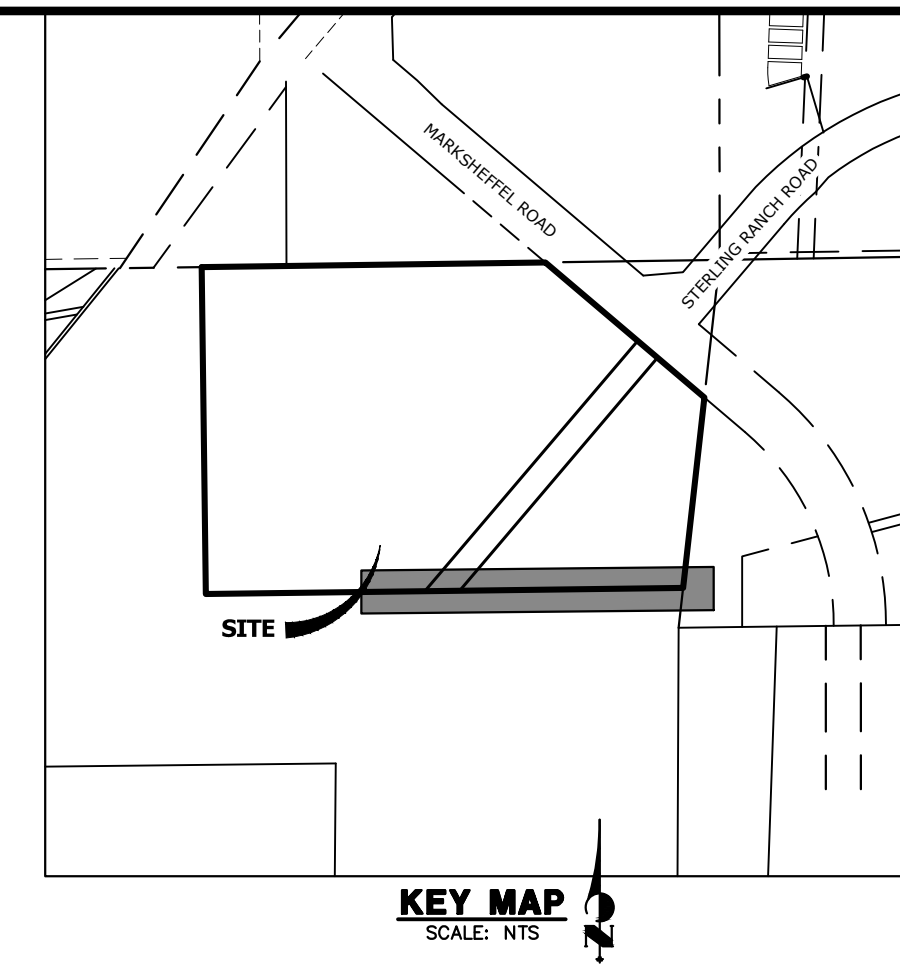
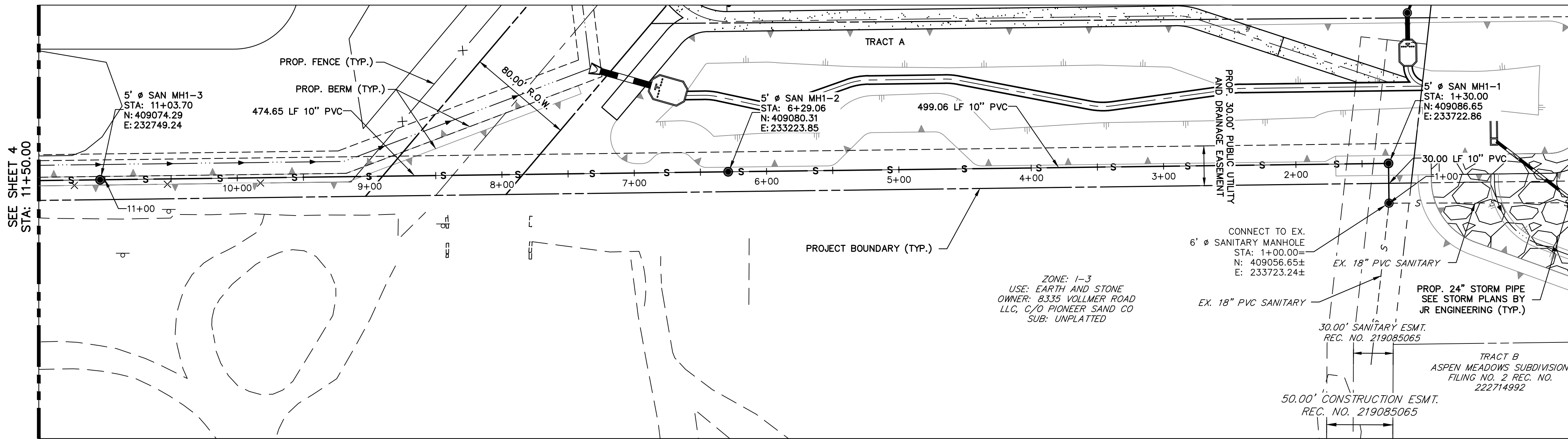
	EXISTING	PROPOSED
PHASE LINE		
MATCH LINE		
SECTION LINE		
BOUNDARY LINE		
PROPERTY LINE		
EASEMENT LINE		
RIGHT OF WAY		
R.O.W. A LINE		
CENTERLINE		
CITY LIMITS		
WIRE FENCE		
CHAIN LINK FENCE		
WOOD FENCE		
MASONRY FENCE		
GUARDRAIL		
CONC. BARRIER		
CABLE TV		
ELECTRIC		
FIBER OPTIC		
GAS MAIN		
IRRIGATION MAIN		
OIL/PETRO. MAIN		
OVERHEAD UTILITY		
SANITARY SEWER		
STORM DRAIN		
TELEPHONE		
WATER MAIN		
RAW WATER LINE		
SWALE/WATERWAY FLOWLINE		
DIVERSION DITCH		
DIVERSION CHANNEL		
MAJOR DRAINAGE BASIN		
MINOR DRAINAGE BASIN		
TOP OF SLOPE		
TOE OF SLOPE		
EDGE OF WATER		
INDEX CONTOUR		
INTERMEDIATE CONTOUR		
DEPRESSION CONT. (INDEX)		
DEPRESSION CONT. (INTER)		
TOP OF CUTS		
TOE OF FILLS		
CUT AND FILL LINE		
SILT FENCE		
100 YEAR FLOODPLAIN		
500 YEAR FLOODPLAIN		
FLOODWAY		
BASE FLOOD ELEVATION		
EDGE OF WETLANDS		
STONE WALL		



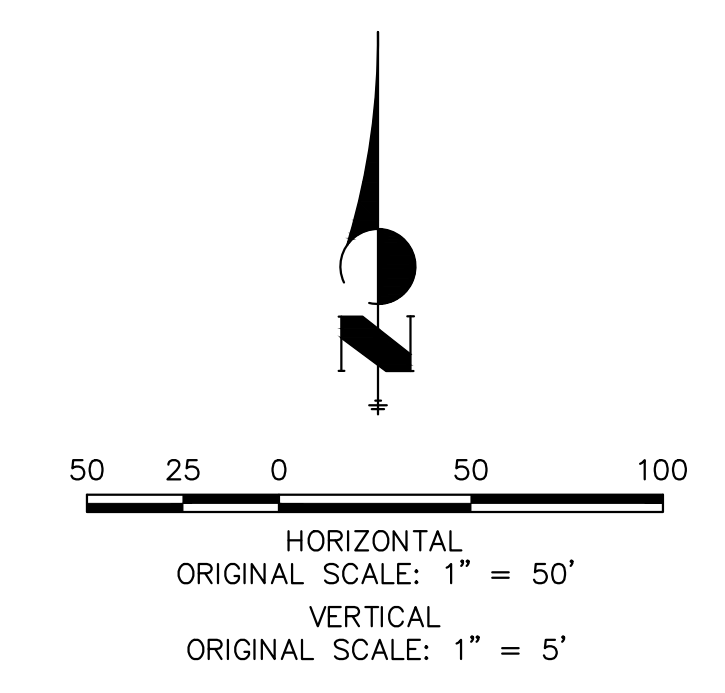
ENGINEER'S STATEMENT
PREPARED UNDER MY DIRECT SUPERVISION AND ON BEHALF OF JR ENGINEERING

BRYAN T. LAW, P.E.
COLORADO P.E. 25043
FOR AND ON BEHALF OF JR ENGINEERING, LLC

DATE: 10/25/24



**ALIGNMENT SP01 PROFILE
STA 1+00.00 TO 11+50.00**

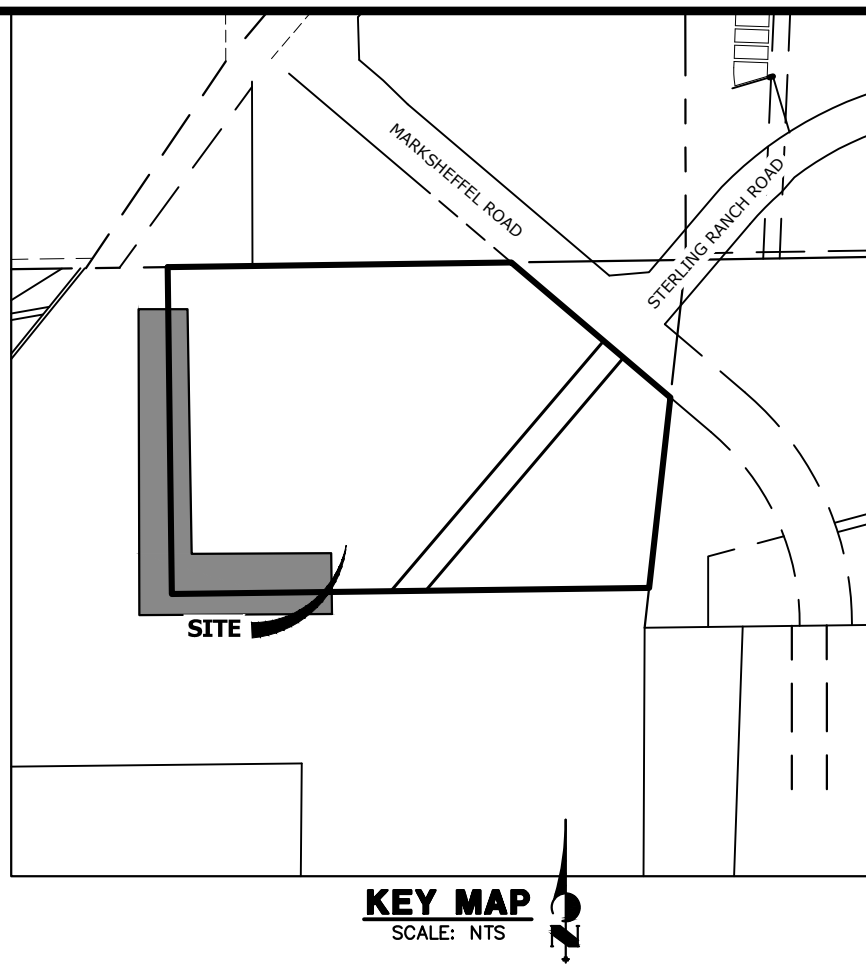
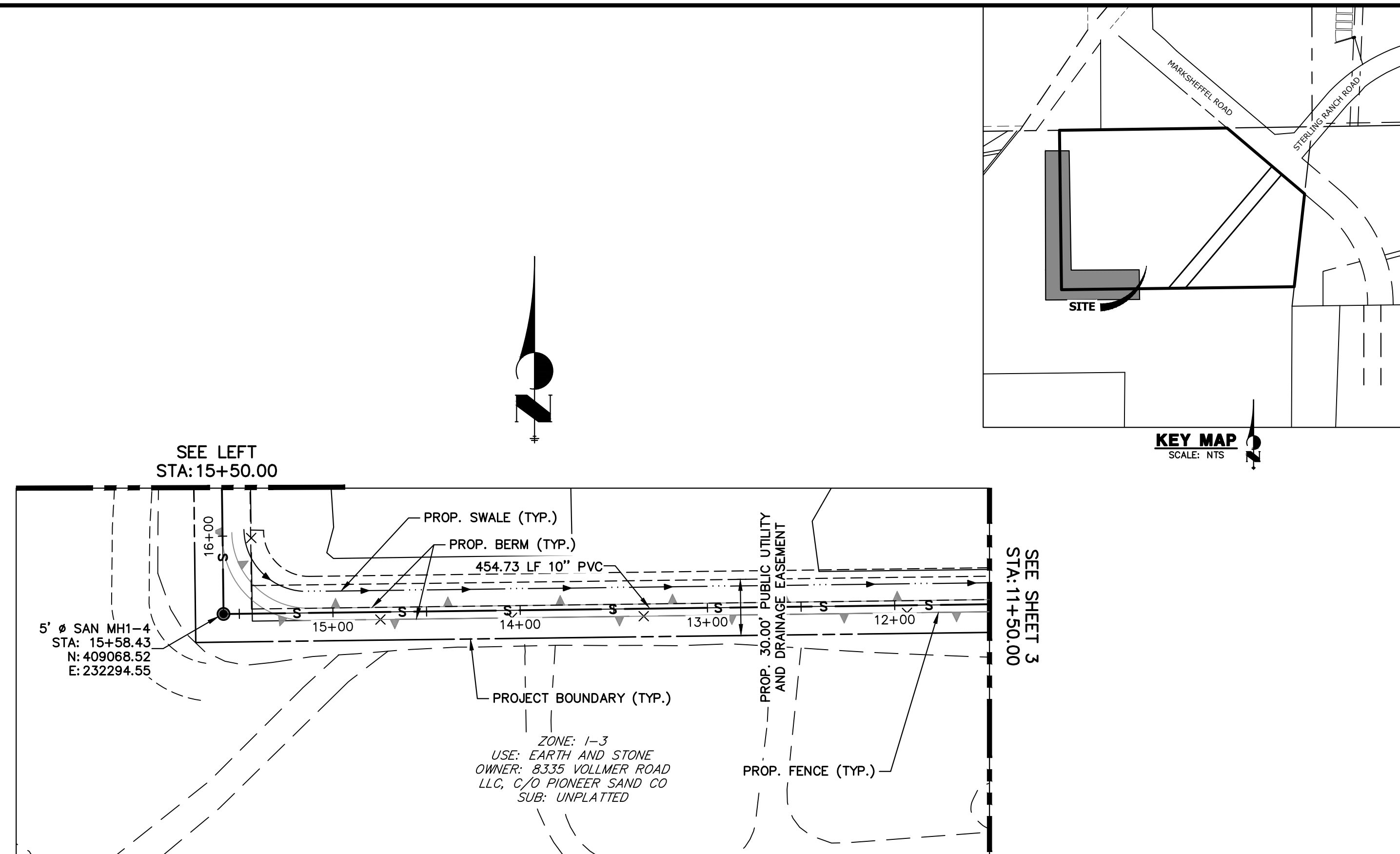
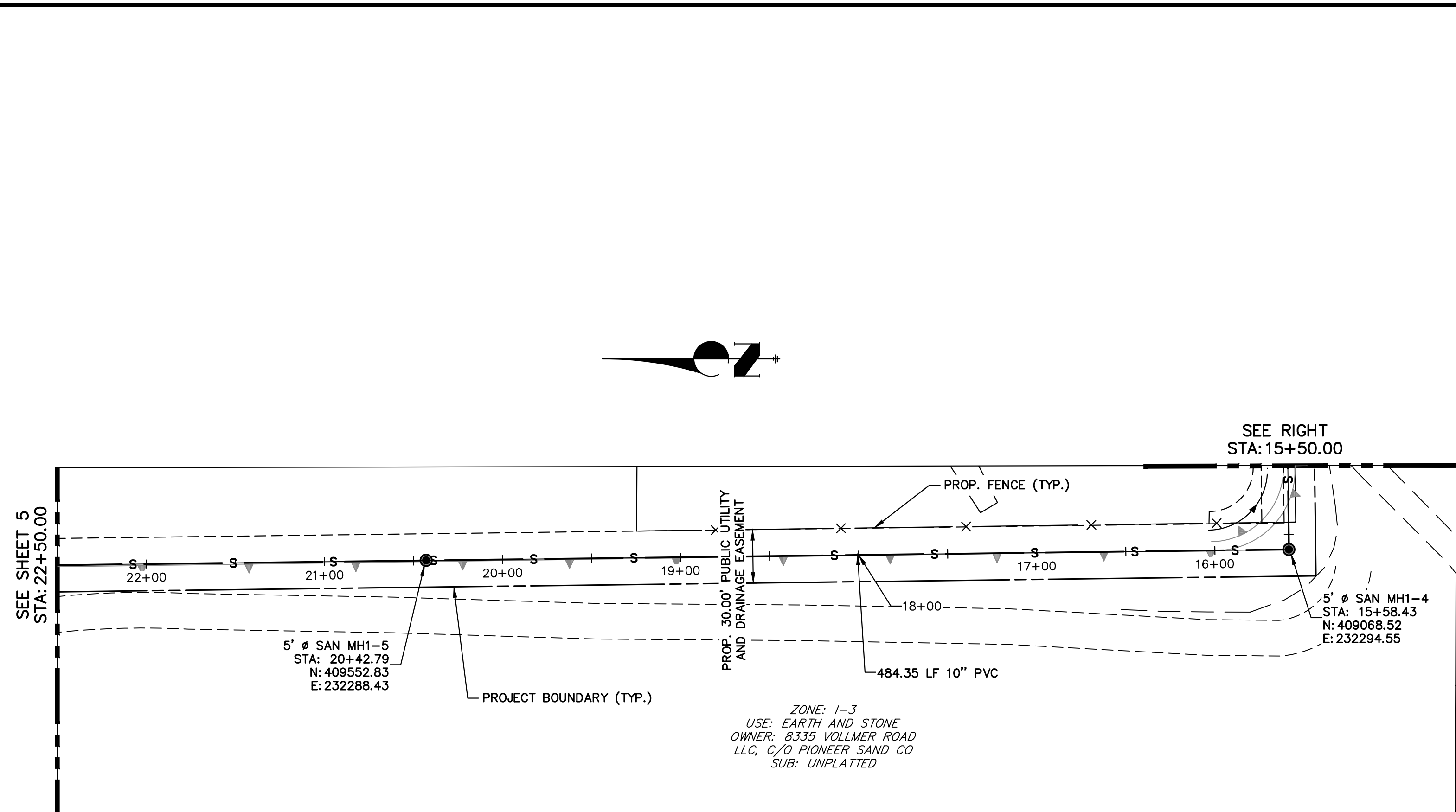


ENGINEER'S STATEMENT
PREPARED UNDER MY DIRECT SUPERVISION AND ON BEHALF OF JR ENGINEERING

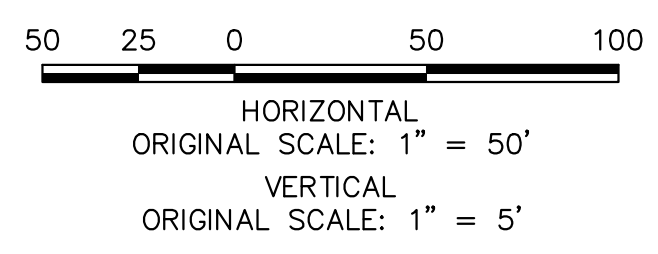
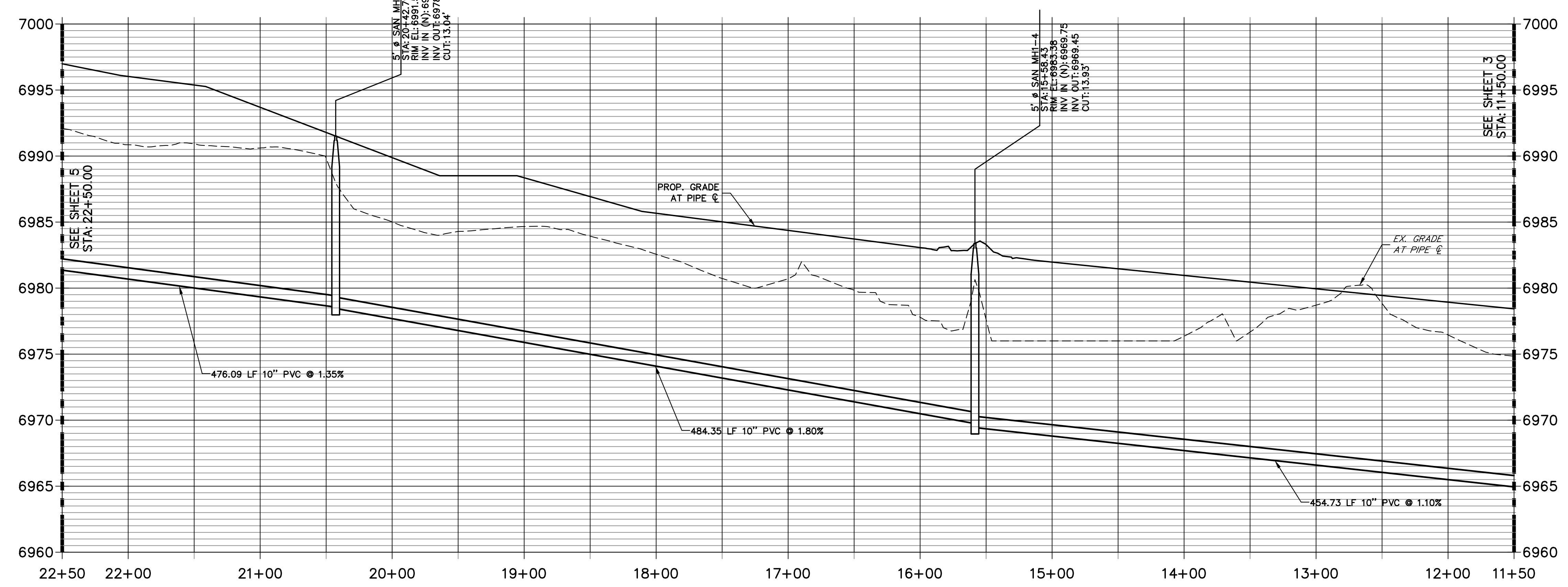
BRYAN T. LAW, P.E.
COLORADO P.E. 25043
FOR AND ON BEHALF OF JR ENGINEERING, LLC

DATE: 10/25/24

UNTIL SUCH TIME AS THESE DRAWINGS ARE APPROVED BY THE AGENCIES, OR ENGINEERING APPROVES THEIR USE DESIGNATED BY WRITTEN AUTHORIZATION.	
PREPARED FOR	RHETORIC, LLC 20 BOULDER CRESCENT, SUITE 200 COLORADO SPRINGS, CO ERIC HOWARD EHOWARDPC@GMAIL.COM (719) 964-0064
<p>J.R. ENGINEERING A Westman Company Central 303-740-9888 • Colorado Springs 719-588-2583 Fort Collins 970-491-9888 • www.jrengineering.com</p>	
BY	DATE
No.	REVISION
H-SCALE	1"=50'
V-SCALE	1"=5'
DATE	07/25/24
DESIGNED BY	PAL
DRAWN BY	PAL
CHECKED BY	
STERLING RECYCLING FACILITY	
SANITARY SEWER PLANS	
SHEET	3 OF 6
JOB NO.	25188.14



**ALIGNMENT SP01 PROFILE
STA 11+50.00 TO 22+50.00**



THE LOCATIONS OF EXISTING ABOVE GROUND AND UNDERGROUND UTILITIES ARE SHOWN IN AN APPROXIMATE WAY ONLY. THE CONTRACTOR SHALL DETERMINE THE EXACT LOCATION OF ALL EXISTING UTILITIES BEFORE COMMENCING WORK. THE CONTRACTOR SHALL BE FULLY RESPONSIBLE FOR ANY AND ALL DAMAGES WHICH MIGHT BE CAUSED BY HIS FAILURE TO EXACTLY LOCATE AND PRESERVE ANY AND ALL ABOVE GROUND AND UNDERGROUND UTILITIES.

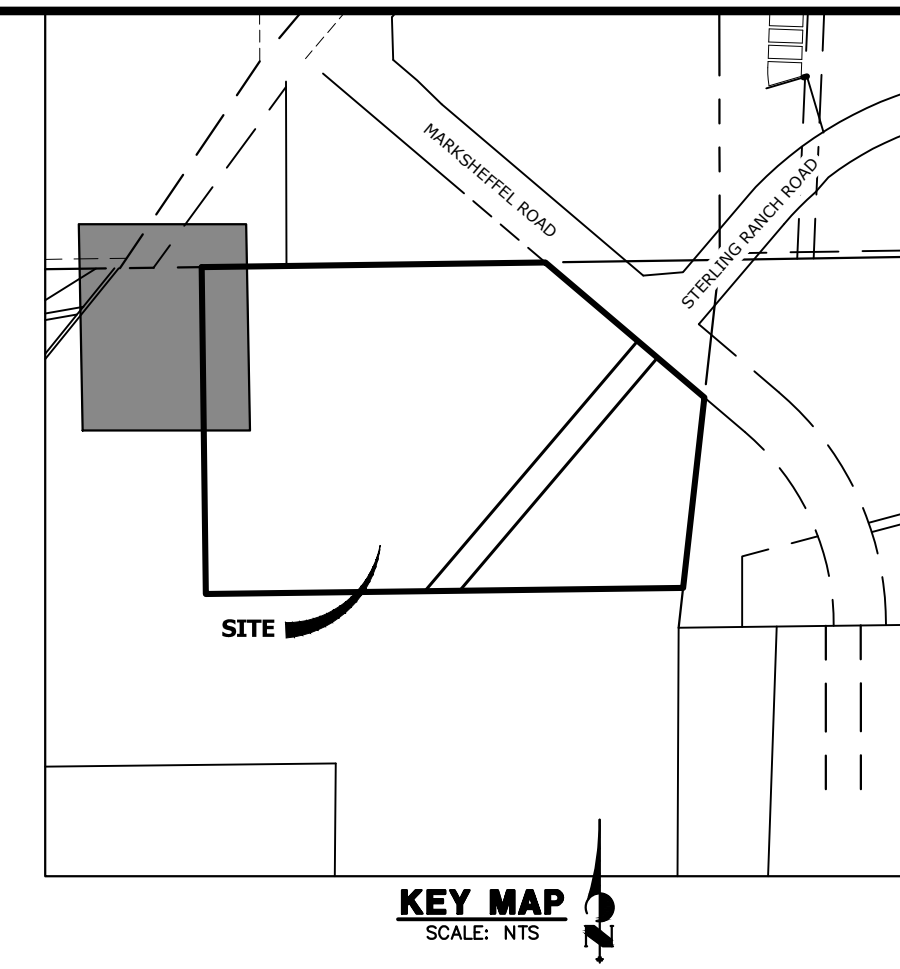
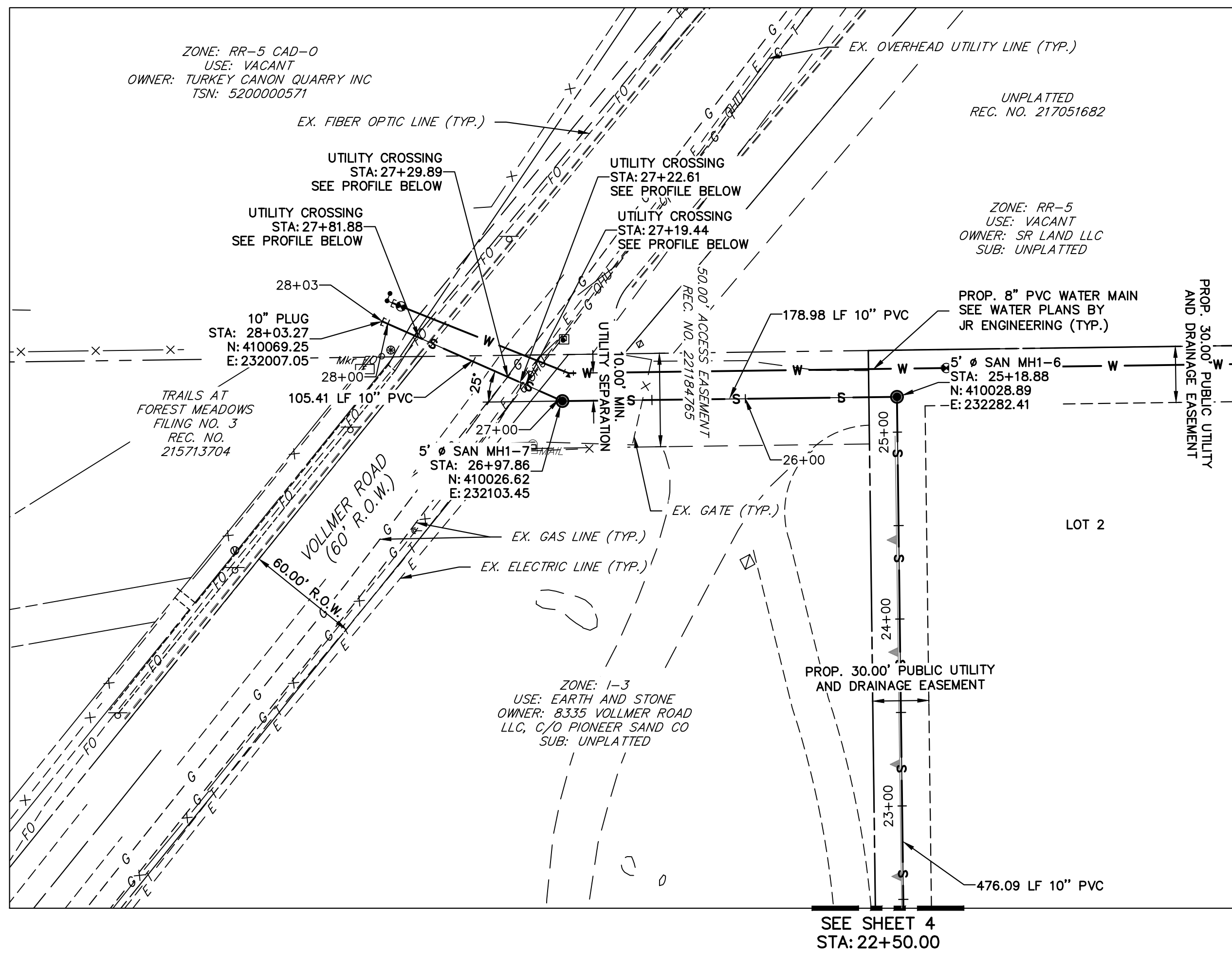


ENGINEER'S STATEMENT
PREPARED UNDER MY DIRECT SUPERVISION AND ON BEHALF OF JR ENGINEERING

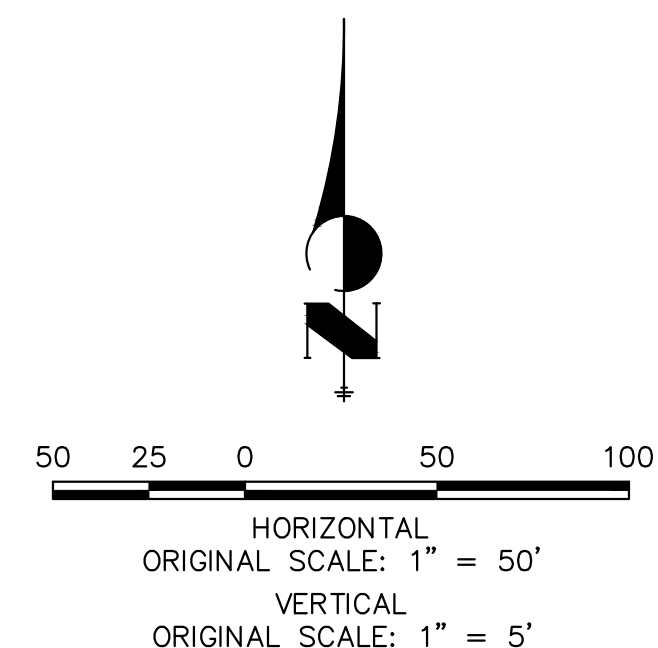
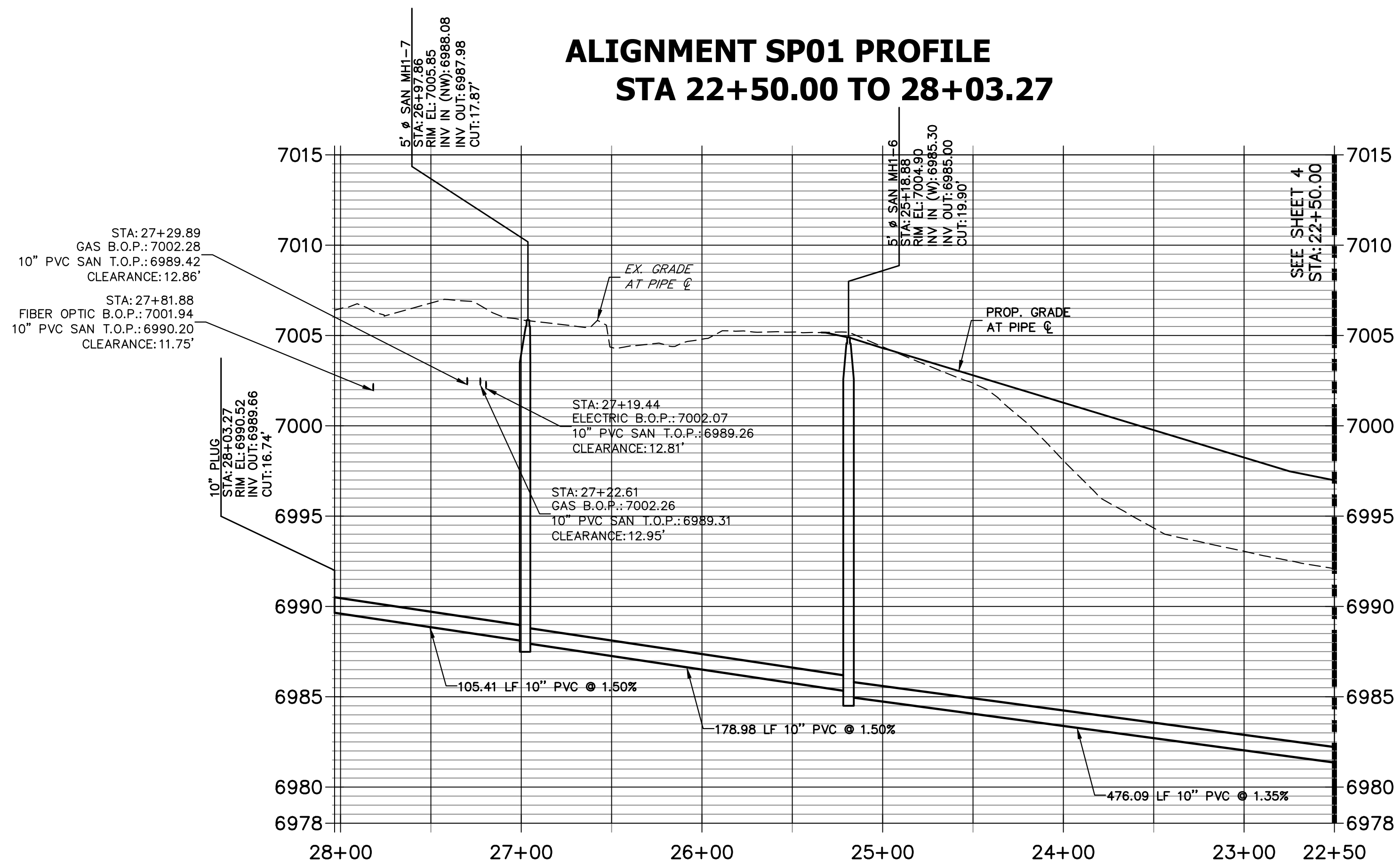
BRYAN T. LAW, P.E.
COLORADO P.E. 25043
FOR AND ON BEHALF OF JR ENGINEERING, A PROFESSIONAL ENGINEERING FIRM

DATE: 10/25/24

UNTIL SUCH TIME AS THESE DRAWINGS ARE APPROVED BY THE APPROPRIATE REVIEWING AGENCIES, OR ENGINEERING APPROVES THEIR USE, THESE DRAWINGS ARE DESIGNATED BY WRITTEN AUTHORIZATION.	
PREPARED FOR	RHETORIC, LLC 20 BOULDER CRESCENT, SUITE 200 COLORADO SPRINGS, CO ERIC HOWARD EHOWARDPC@GMAIL.COM (719) 964-0064
<p>J.R. ENGINEERING A Westman Company Central 303-740-9888 • Colorado Springs 719-583-2583 Fort Collins 970-491-9888 • www.jrengineering.com</p>	
BY	DATE
No.	REVISION
H-SCALE 1"=50'	V-SCALE 1"=5'
DATE	DESIGNED BY
07/25/24	PAL
DRAWN BY	CHECKED BY
PAL	PAL
STERLING RECYCLING FACILITY	
SANITARY SEWER PLANS	
SHEET 4	OF 6
JOB NO. 25188.14	



**ALIGNMENT SP01 PROFILE
STA 22+50.00 TO 28+03.27**

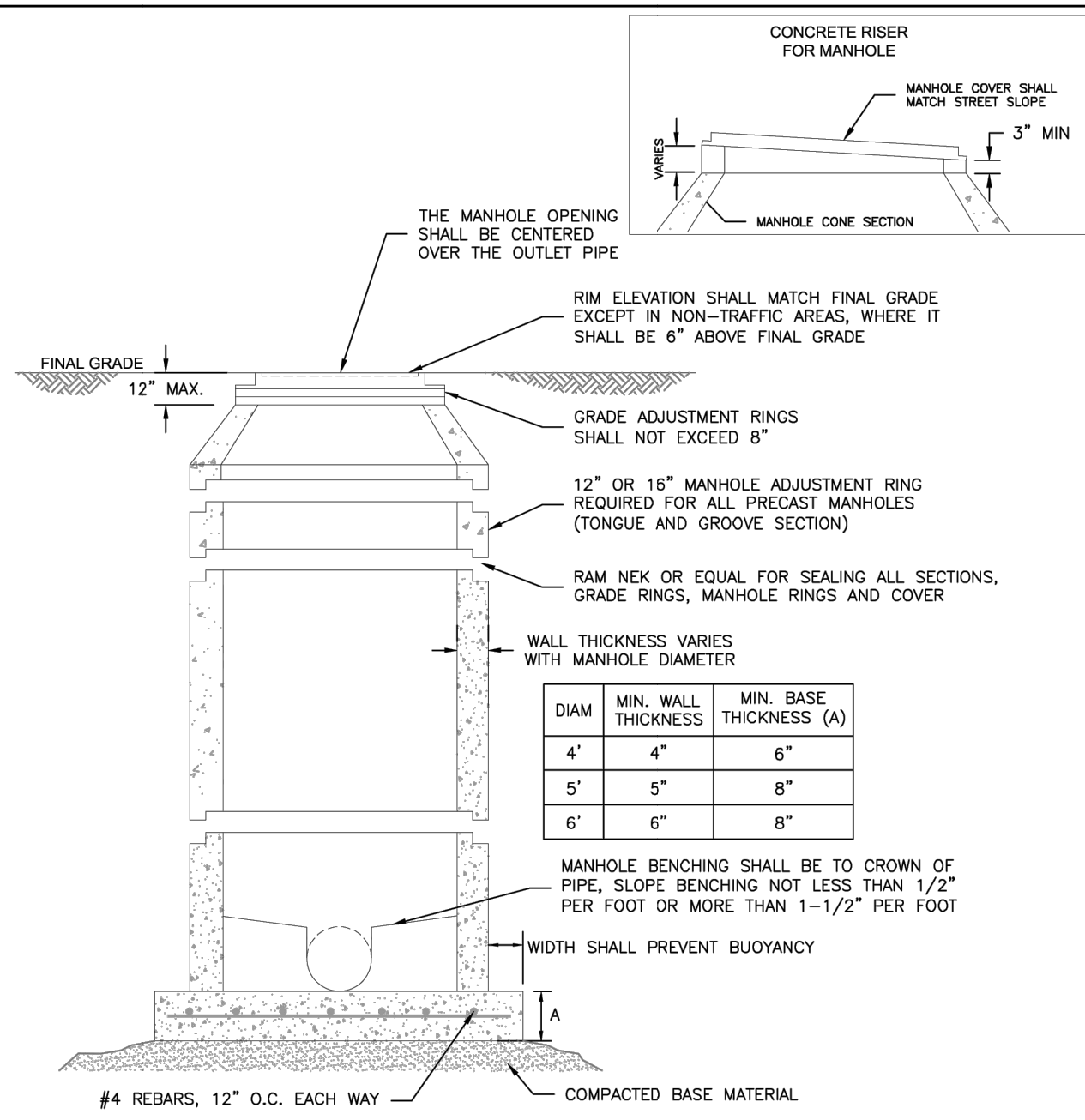


THE LOCATIONS OF EXISTING ABOVE GROUND AND UNDERGROUND UTILITIES ARE SHOWN IN AN APPROXIMATE WAY ONLY. THE CONTRACTOR SHALL DETERMINE THE EXACT LOCATION OF ALL EXISTING UTILITIES BEFORE COMMENCING WORK. THE CONTRACTOR SHALL BE FULLY RESPONSIBLE FOR ANY AND ALL DAMAGES WHICH MIGHT BE CAUSED BY HIS FAILURE TO EXACTLY LOCATE AND PRESERVE ANY AND ALL ABOVE GROUND AND UNDERGROUND UTILITIES.



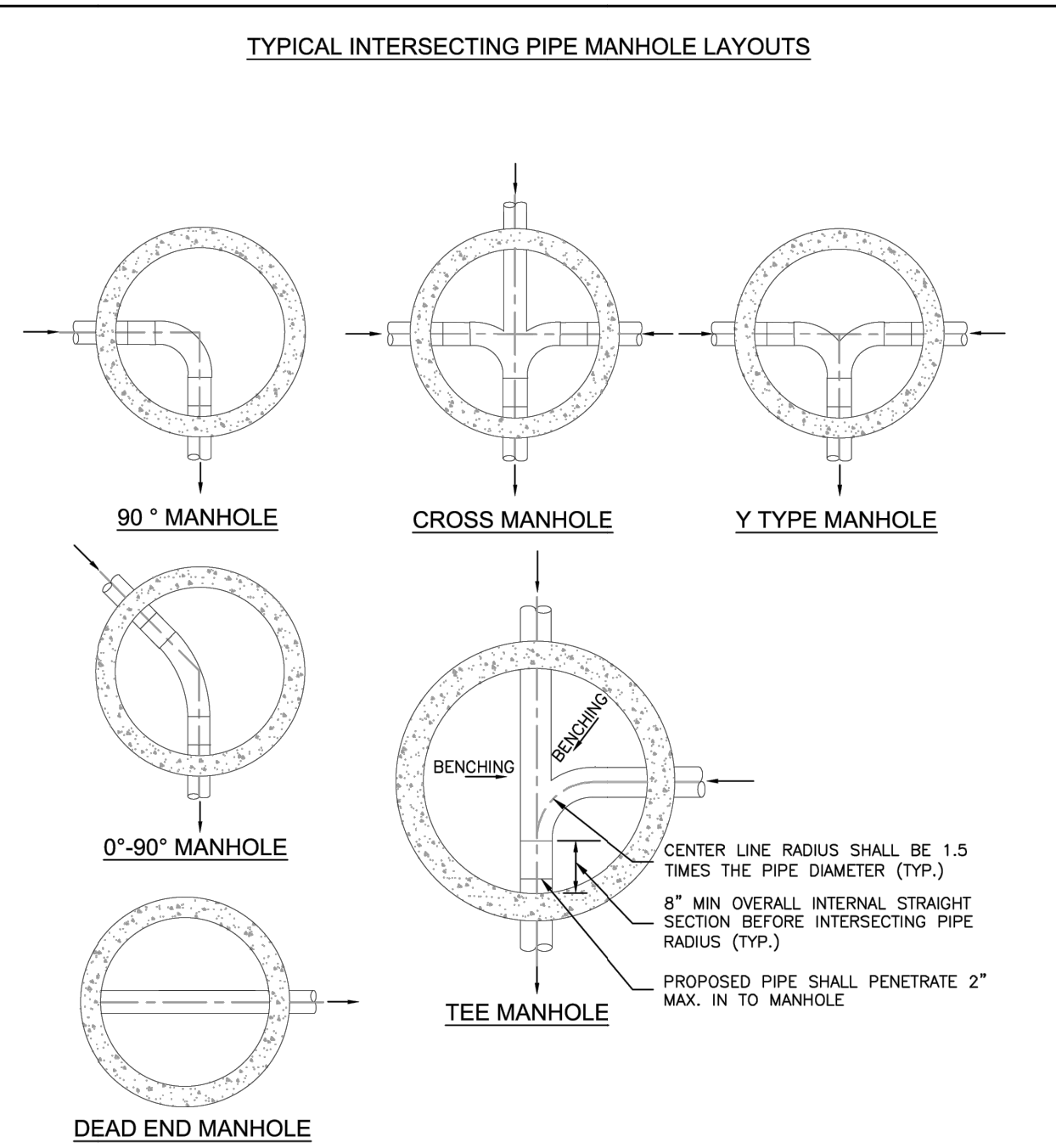
ENGINEER'S STATEMENT
 PREPARED UNDER MY DIRECT SUPERVISION AND ON BEHALF OF JR ENGINEERING
 BRYAN T. LAW, P.E.
 COLORADO P.E. 25043
 FOR AND ON BEHALF OF JR ENGINEERING, INC. LOCAL ENGINEER
 DATE: 10/25/24

UNTIL SUCH TIME AS THESE DRAWINGS ARE APPROVED BY THE APPROPRIATE REVIEWING AGENCIES, JR ENGINEERING APPROVES THEIR USE DESIGNATED BY WRITTEN AUTHORIZATION. PREPARED FOR RHETORIC, LLC 20 BOULDER CRESCENT, SUITE 200 COLORADO SPRINGS, CO ERIC HOWARD EHOWARDPC@GMAIL.COM (719) 964-0064	J.R. ENGINEERING A Westman Company Centennial 303-740-9888 • Colorado Springs 719-583-2583 Fort Collins 970-491-9888 • www.jrengineering.com	BY	DATE
STERLING RECYCLING FACILITY SANITARY SEWER PLANS	No.	REVISION	
	H-SCALE	1"=50'	
	V-SCALE	1"=5'	
	DATE	07/25/24	
DESIGNED BY	PAL	DRAWN BY	PAL
CHECKED BY			
SHEET 5 OF 6	JOB NO. 25188.14		



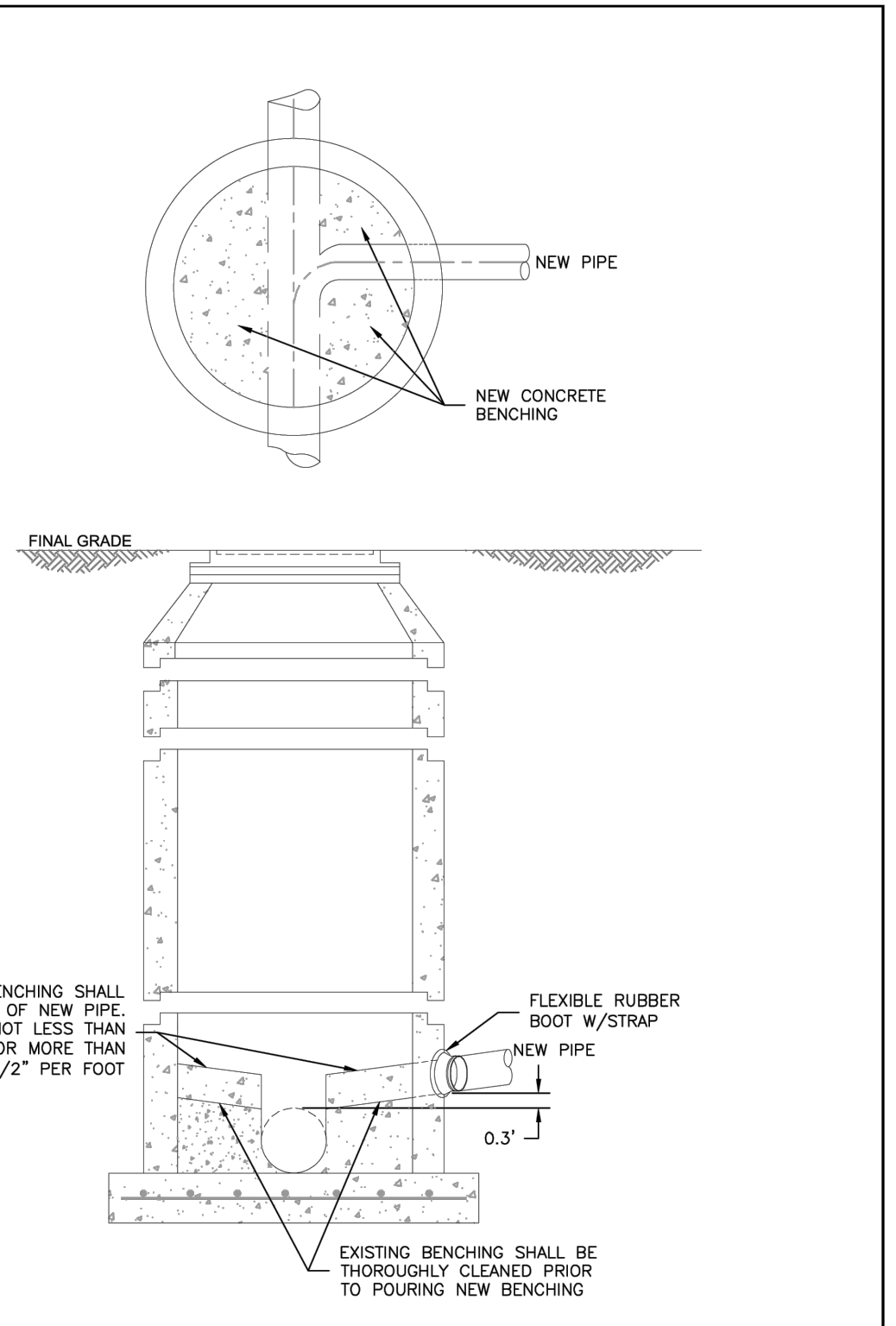
- NOTES:**
1. ALL CONCRETE SHALL HAVE A MINIMUM COMPRESSIVE STRENGTH OF NOT LESS THAN 4000 PSI @ 28 DAYS AND DESIGNED FOR HS-20 LOADING CONDITIONS.
 2. ALL CONCRETE SHALL BE MECHANICALLY VIBRATED.
 3. FOR CAST IN PLACE MANHOLES, DO NOT DROP CONCRETE A DISTANCE OF MORE THAN 5' UNLESS APPROVED BY COLORADO SPRINGS UTILITIES.
 4. 3/4" CRUSHED ROCK REQUIRED UNDER BASE TO A DEPTH OF 6" UP TO SPRINGLINE OF PIPE, 2'-3" RADIUS AROUND BASE.
 5. ALL STEPS SHALL BE REMOVED FOLLOWING CONSTRUCTION.
 6. STRUCTURAL REINFORCEMENT SHALL COMPLY TO ASTM C-478. ASTM C-478 SHALL BE STAMPED ON THE OUTSIDE OF THE MANHOLE.

Colorado Springs Utilities
STANDARD CONCRETE MANHOLE
C3-1
DATED: 5/2015



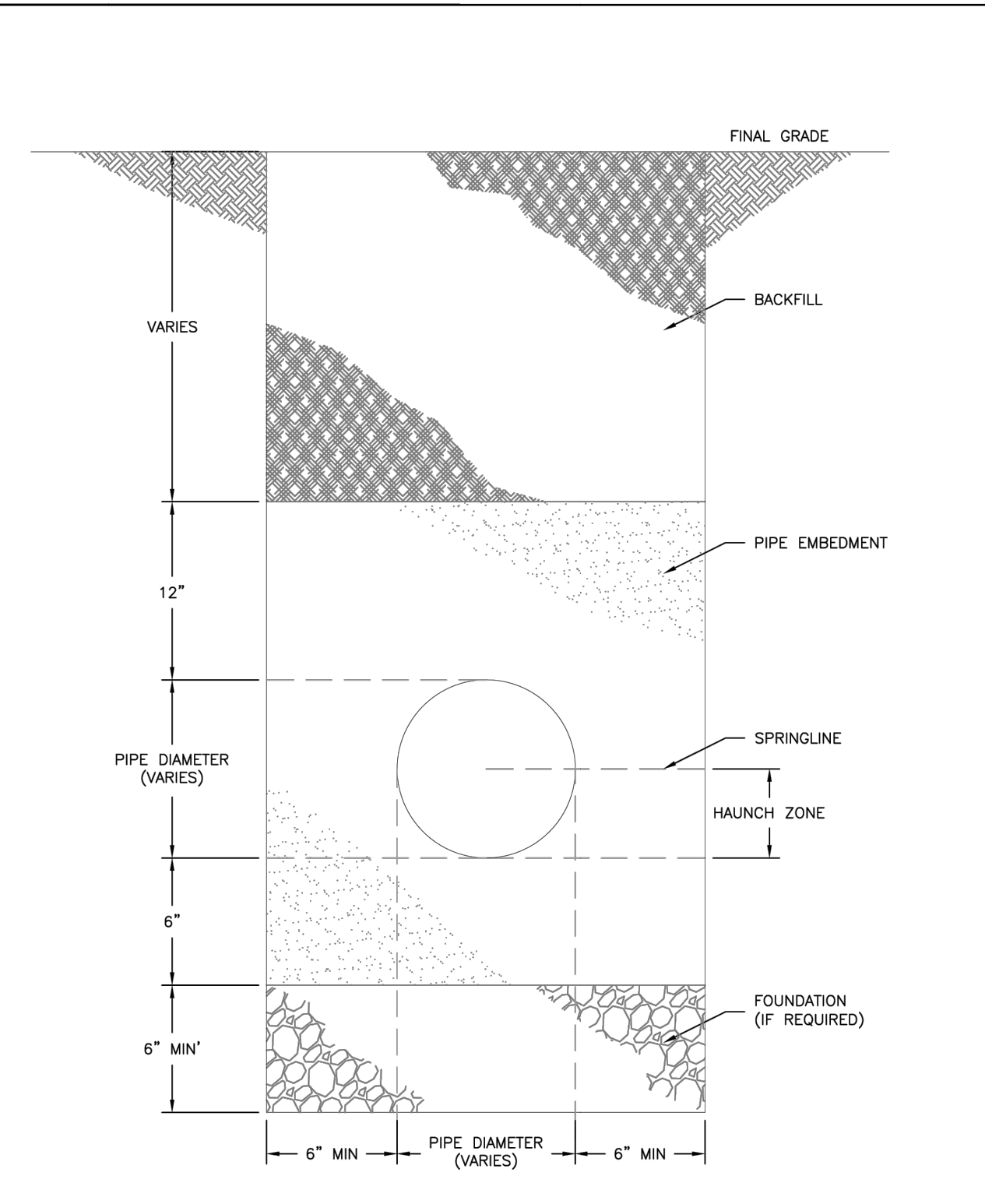
- NOTES:**
1. SEE DETAIL DRAWING C3-1 FOR MANHOLE REQUIREMENTS.
 2. LAYOUTS SHOWN ARE FOR 8"-12" PIPES; LAYOUTS FOR LARGER DIAMETER PIPELINES AND MANHOLES SHALL BE DESIGNED BY THE DESIGN ENGINEER AND APPROVED BY COLORADO SPRINGS UTILITIES.
 3. TO BE READ IN CONJUNCTION WITH CHAPTER 2, MANHOLE SIZES.

Colorado Springs Utilities
TYPICAL MANHOLE LAYOUTS AND INTERSECTIONS
C3-2
DATED: 5/2015



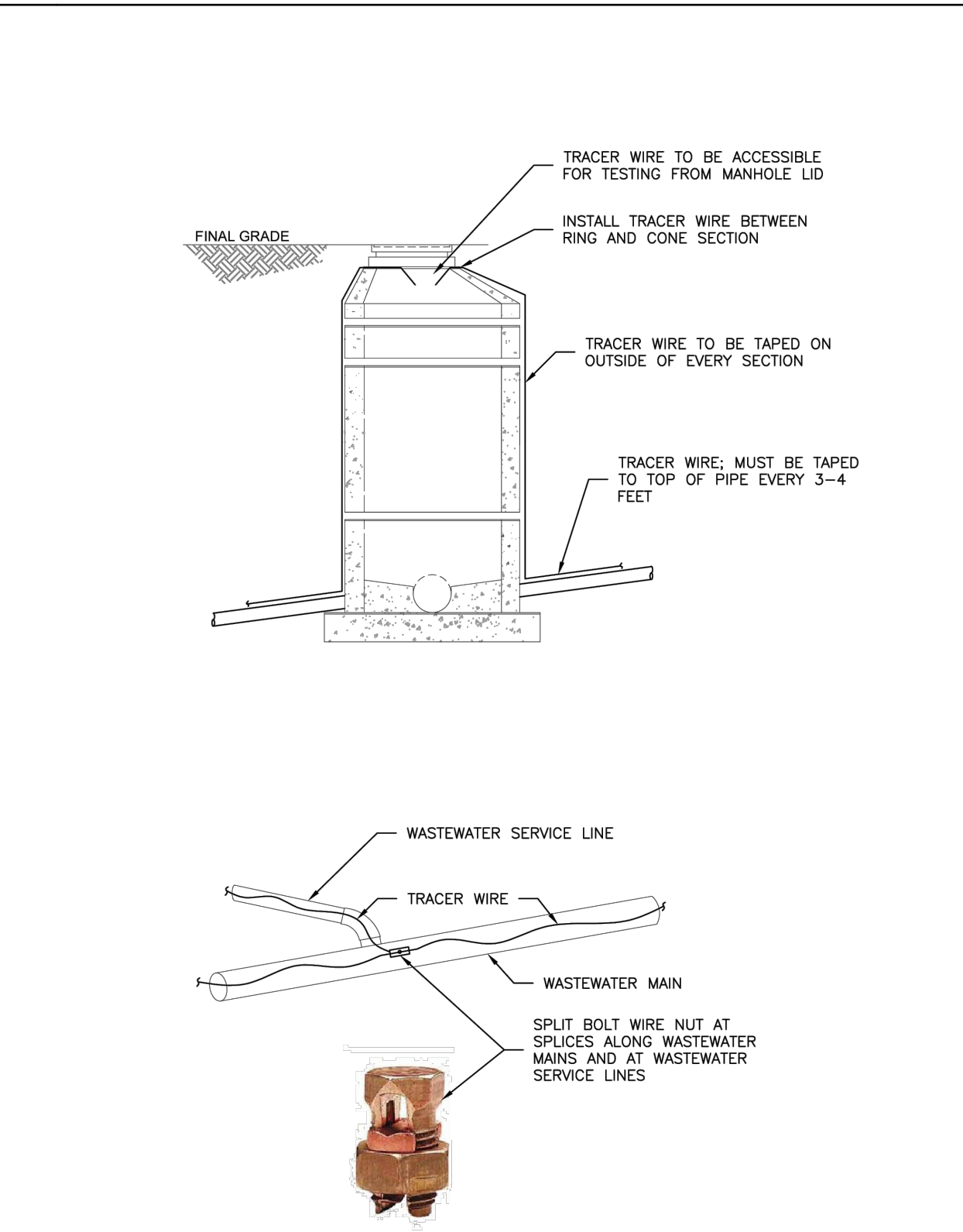
- NOTES:**
1. SEE DETAIL DRAWING C3-1 FOR MANHOLE REQUIREMENTS.

Colorado Springs Utilities
CORE DRILLING INTO AN EXISTING MANHOLE
C3-3
DATED: 5/2015



- NOTE:**
1. TRENCH BACKFILL SHALL CONFORM TO THE SPECIFICATIONS OF THE AUTHORITY HAVING JURISDICTION AND ASTM D2321.

Colorado Springs Utilities
TYPICAL TRENCH SECTION
C2-1
DATED: 5/2015



Colorado Springs Utilities
TRACER WIRE ON PVC OR HDPE PIPE
C2-3
DATED: 5/2015



ENGINEER'S STATEMENT
STANDARD DETAILS SHOWN WERE REVIEWED ONLY AS TO THEIR APPLICATION ON THIS PROJECT
DATE: 10/25/24
BRYAN T. LAW, P.E.
COLORADO P.E. 25043
FOR AND ON BEHALF OF JR ENGINEERING, LLC

PREPARED FOR
RHETORIC, LLC
20 BOULDER CRESCENT, SUITE 200
COLORADO SPRINGS, CO
ERIC HOWARD
EHOWARDPC@GMAIL.COM
(719) 964-0064

J.R. ENGINEERING
A Westman Company
Central 303-740-9888 • Colorado Springs 719-583-2583
Fort Collins 970-491-9888 • www.jrengineering.com

No.	REVISION	BY	DATE	H-SCALE	V-SCALE	DATE	DESIGNED BY	DRAWN BY	CHECKED BY
				N/A	N/A	07/25/24	PAL	PAL	
STERLING RECYCLING FACILITY									
DETAILS									
SHEET 6 OF 6									
JOB NO. 25188.14									

UNTIL SUCH TIME AS THESE DRAWINGS ARE APPROVED BY THE APPROPRIATE REVIEWING AGENCIES, JR ENGINEERING APPROVES THEIR USE. THIS PROJECT HAS BEEN DESIGNATED BY WRITTEN AUTHORIZATION.

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LAYER LINETYPE LEGEND

	EXISTING	PROPOSED
PHASE LINE	----	----
MATCH LINE	----	----
SECTION LINE	----	----
BOUNDARY LINE	----	----
PROPERTY LINE	----	----
EASEMENT LINE	----	----
RIGHT OF WAY	----	----
R.O.W. A LINE	A	A
CENTERLINE	----	----
CITY LIMITS		
WIRE FENCE	- x - x -	- x - x -
CHAIN LINK FENCE	- o - o -	- o - o -
WOOD FENCE	- d - d -	- d - d -
MASONRY FENCE	- □ - □ -	- □ - □ -
GUARDRAIL	- u - u -	- u - u -
CONC. BARRIER	- □ - □ -	- □ - □ -
CABLE TV	- TV - TV -	- TV - TV -
ELECTRIC	- E - E -	- E - E -
FIBER OPTIC	- FO - FO -	- FO - FO -
GAS MAIN	- G - G -	- G - G -
IRRIGATION MAIN	- IRR - IRR -	- IRR - IRR -
OIL/PETRO. MAIN	- O - O -	- O - O -
OVERHEAD UTILITY	- OHU - OHU -	- OHU - OHU -
SANITARY SEWER	- S - S -	- S - S -
STORM DRAIN	- T - T -	- T - T -
TELEPHONE	- W - W -	- W - W -
WATER MAIN	- RWL - RWL -	- RWL - RWL -
RAW WATER LINE	- RWL - RWL -	- RWL - RWL -
SWALE/WATERWAY FLOWLINE	->>>>>>>	->>>>>>>
DIVERSION DITCH	->>>>>>>	->>>>>>>
DIVERSION CHANNEL	->>>>>>>	->>>>>>>
MAJOR DRAINAGE BASIN	■ ■ ■ ■ ■ ■ ■ ■	■ ■ ■ ■ ■ ■ ■ ■
MINOR DRAINAGE BASIN	- - - - -	- - - - -
TOP OF SLOPE	- V - V -	- V - V -
TOE OF SLOPE	- - -	- - -
EDGE OF WATER	- - - - -	- - - - -
INDEX CONTOUR	- 6100 - 6100 -	- 6100 - 6100 -
INTERMEDIATE CONTOUR	- 6100 - 6100 -	- 6100 - 6100 -
DEPRESSION CONT. (INDEX)	- 6100 - 6100 -	- 6100 - 6100 -
DEPRESSION CONT. (INTER)	- T - T -	- T - T -
TOP OF CUTS	- - - - -	- - - - -
TOE OF FILLS	- - - - -	- - - - -
CUT AND FILL LINE	- C/F - C/F -	- C/F - C/F -
SILT FENCE	- SF - SF -	- SF - SF -
100 YEAR FLOODPLAIN	- 100YR - 100YR -	- 100YR - 100YR -
500 YEAR FLOODPLAIN	- 500YR - 500YR -	- 500YR - 500YR -
FLOODWAY	- FLDWY - FLDWY -	- FLDWY - FLDWY -
BASE FLOOD ELEVATION	- - - - -	- - - - -
EDGE OF WETLANDS	- - - - -	- - - - -
STONE WALL	- o - o -	- o - o -

UTILITIES LEGEND

	EXISTING	PROPOSED
STORM SEWER		
MANHOLE	⊙	●
STORM INLET	⊠	⊠
AREA INLET - SQUARE	□	■
AREA INLET - ROUND	○	●
FLARED END SECTION	▷	▷
RIPRAP	▨	▨
SANITARY SEWER		
LINE MARKER	Mkr San ^o	
SERVICE MARKER	⊠	
CLEAN-OUT	o	o
MANHOLE W/ DIRECTIONAL FLOW ARROW	⊙	⊙
WATER LINE		
LINE MARKER	Mkr W ^o	
SERVICE MARKER	⊠	
FIRE HYDRANT	⊕	⊕
FIRE CONNECTION	⊕	⊕
MANHOLE	⊙	●
BEND		⊕
BLOW-OFF VALVE	⊕	⊕
WELL	○ WELL	● WELL
METER	⊙	●
VALVE	⊕	⊕
REDUCER		⊕
THRUST BLOCK		⊕
CROSS		⊕
PLUG W/ THRUST BLOCK		⊕
TEE		⊕
REVERSE ANCHOR		⊕
ANODE		⊕
AIR & VACUUM VALVE ASSEMBLY		⊕
TRANSMISSION BLOW-OFF ASSEMBLY		⊕
GAS LINE		
MARKER	Mkr G ^o	
SERVICE MARKER	⊠	
METER	⊙	●
VALVE	⊕	⊕
PLUG	⊕	⊕
TEE		⊕
DRY UTILITIES		
CABLE TV MARKER	Mkr TV ^o	
CABLE TELEVISION PEDESTAL	⊠	
ELECTRIC MARKER	Mkr E ^o	
ELECTRIC SERVICE MARKER	⊠	
ELECTRICAL PEDESTAL	⊠	
ELECTRICAL METER	⊙	●
ELECTRICAL MANHOLE	⊙	●
FIBER-OPTIC MARKER	Mkr FO ^o	
IRRIGATION PEDESTAL	⊠	
TELEPHONE MARKER	Mkr T ^o	
TELEPHONE PEDESTAL	⊠	
TELEPHONE MANHOLE	⊙	●
UTILITY POLE	o	o
GUY ANCHOR	o	o
GUY POLE	o	o
MISC. UTILITIES		
VENT PIPE	VP ^o VP	● VP
TEST HOLE DESIGNATOR	TH# FIRM	

LANDSCAPE LEGEND

	EXISTING	PROPOSED
TREE - CONIFEROUS	⊙	⊙
TREE - DECIDUOUS	⊙	⊙
SHRUB/BUSH	⊙	⊙
SHRUBS AND BUSHES	⊙	⊙
IRRIGATION BOX	⊙	⊙
IRRIGATION SPRINKLER	⊙	⊙
IRRIGATION VALVE	⊙	⊙
BOLLARD	⊙	⊙
FLAGPOLE	FP	FP



Know what's below. Call before you dig.

ENGINEER'S STATEMENT

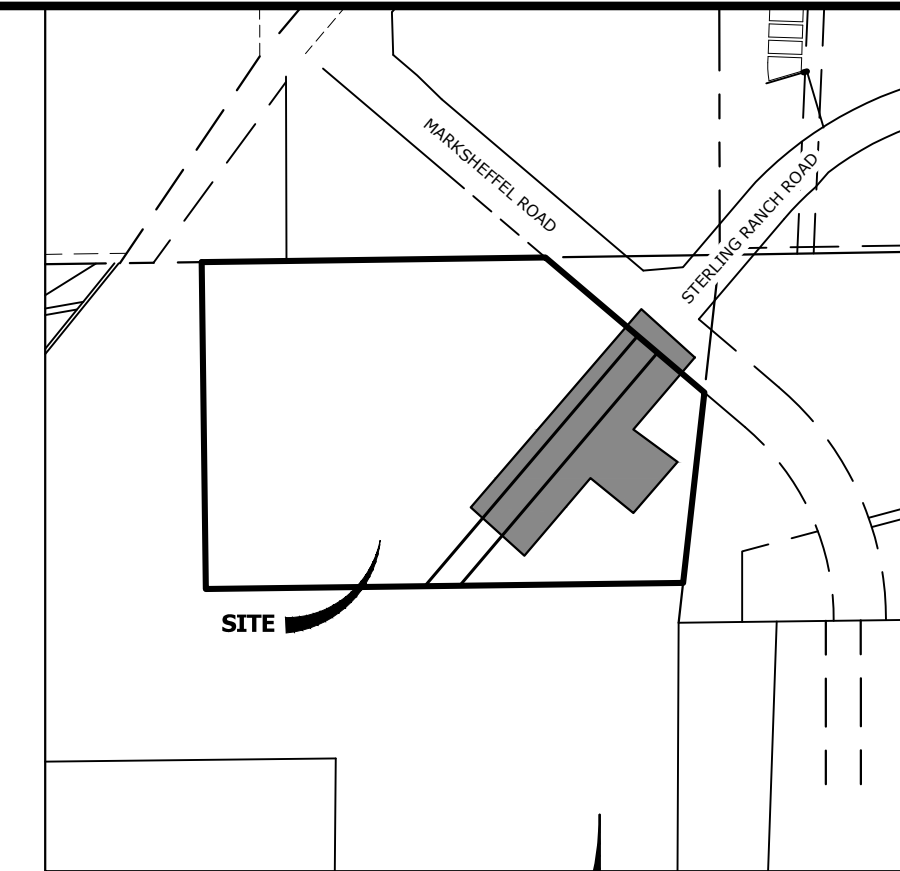
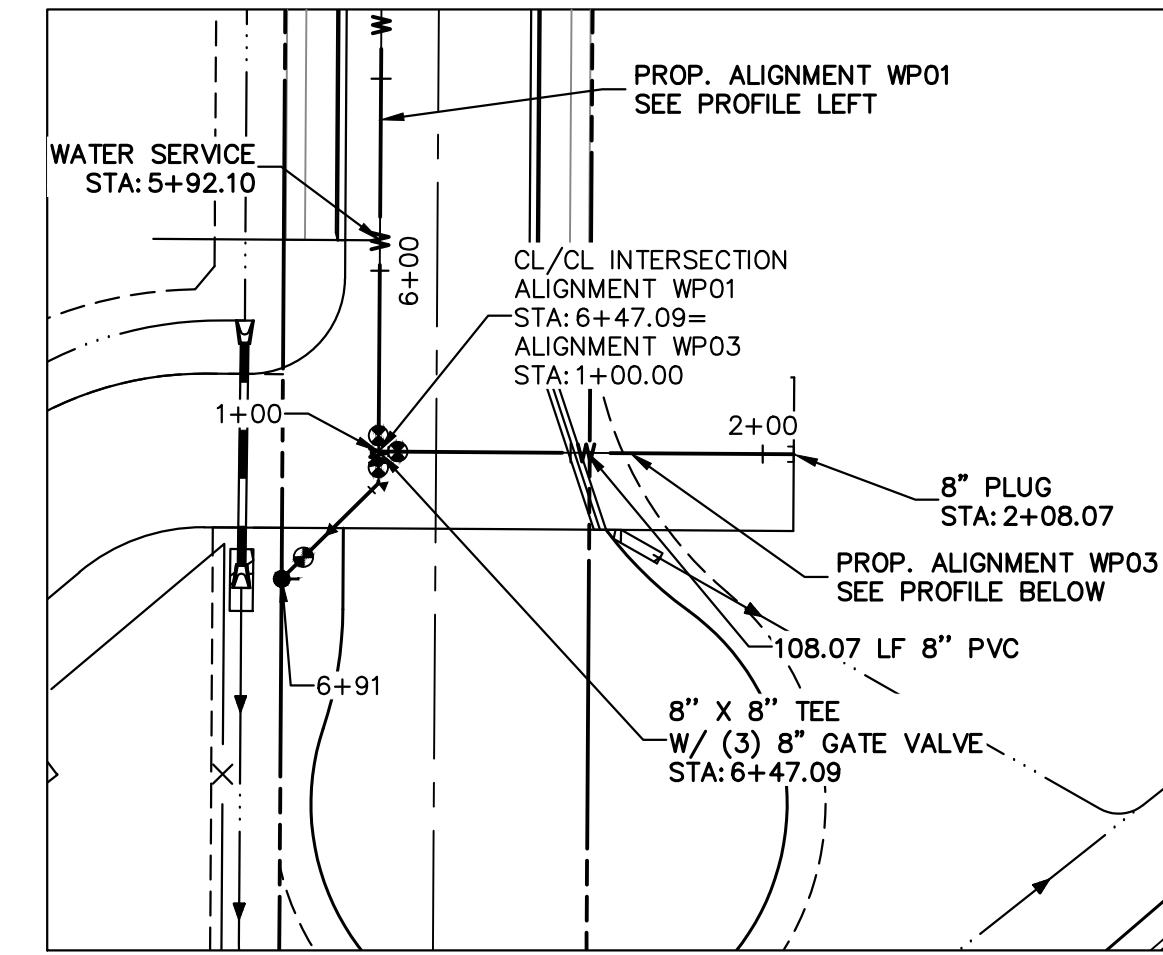
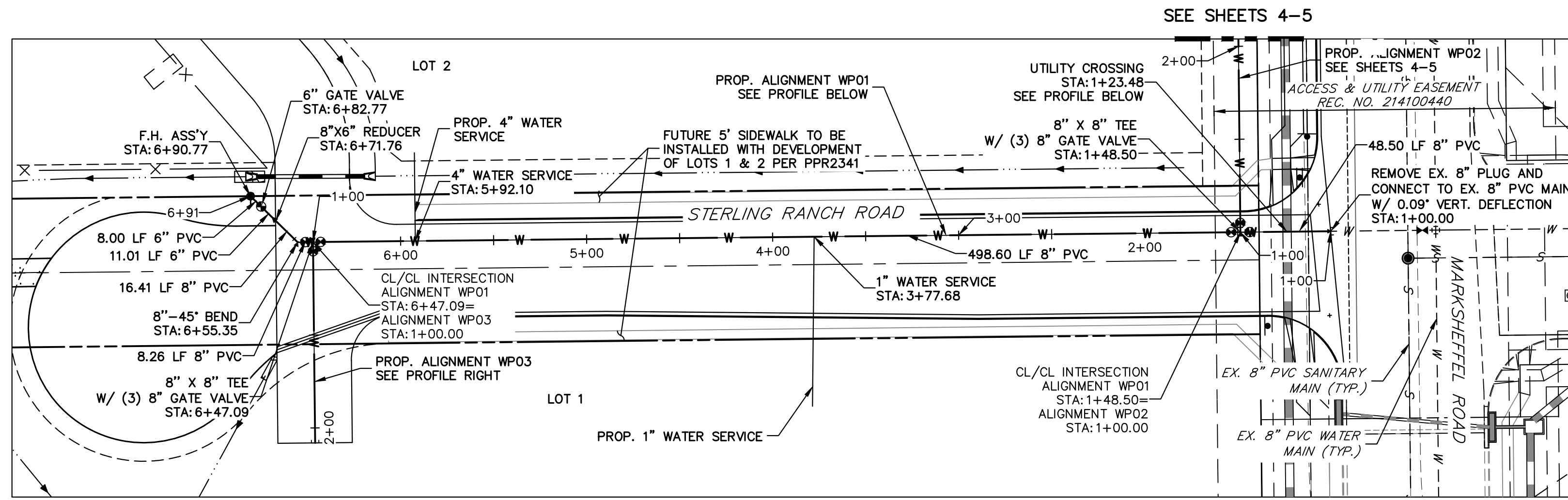
PREPARED UNDER MY DIRECT SUPERVISION AND ON BEHALF OF JR ENGINEERING

BRYAN T. LAW, P.E.
 COLORADO P.E. 25043

10/25/24

No.	REVISION	BY	DATE					
				N/A	N/A	DESIGNED BY	DRAWN BY	CHECKED BY

STERLING RECYCLING FACILITY LEGEND

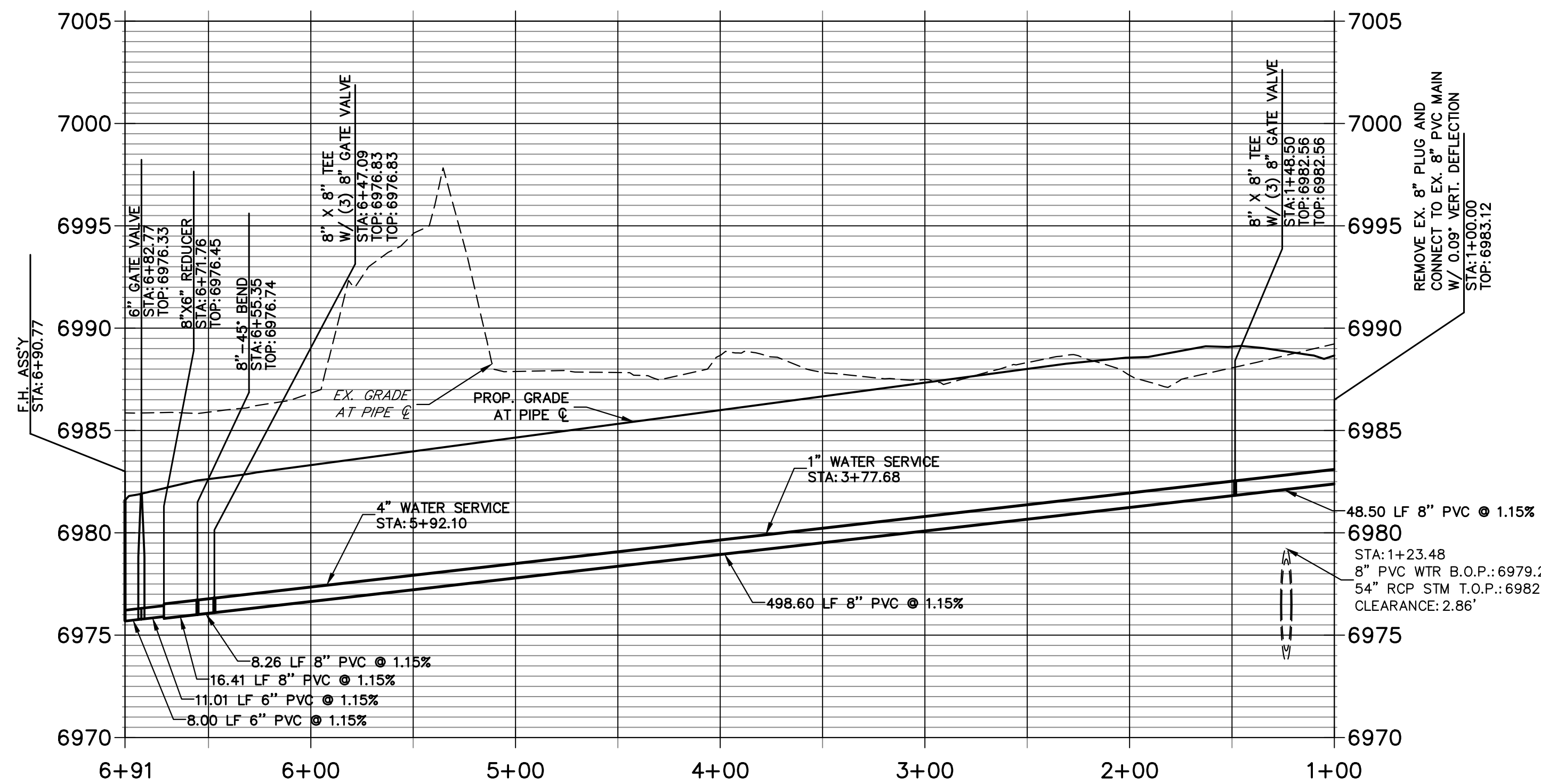


UNLESS SUCH TIME AS THESE DRAWINGS ARE APPROVED BY THE APPROPRIATE REVIEWING AGENCIES, OR ENGINEERING APPROVES THEIR USE, THESE DRAWINGS ARE DESIGNATED BY WRITTEN AUTHORIZATION.

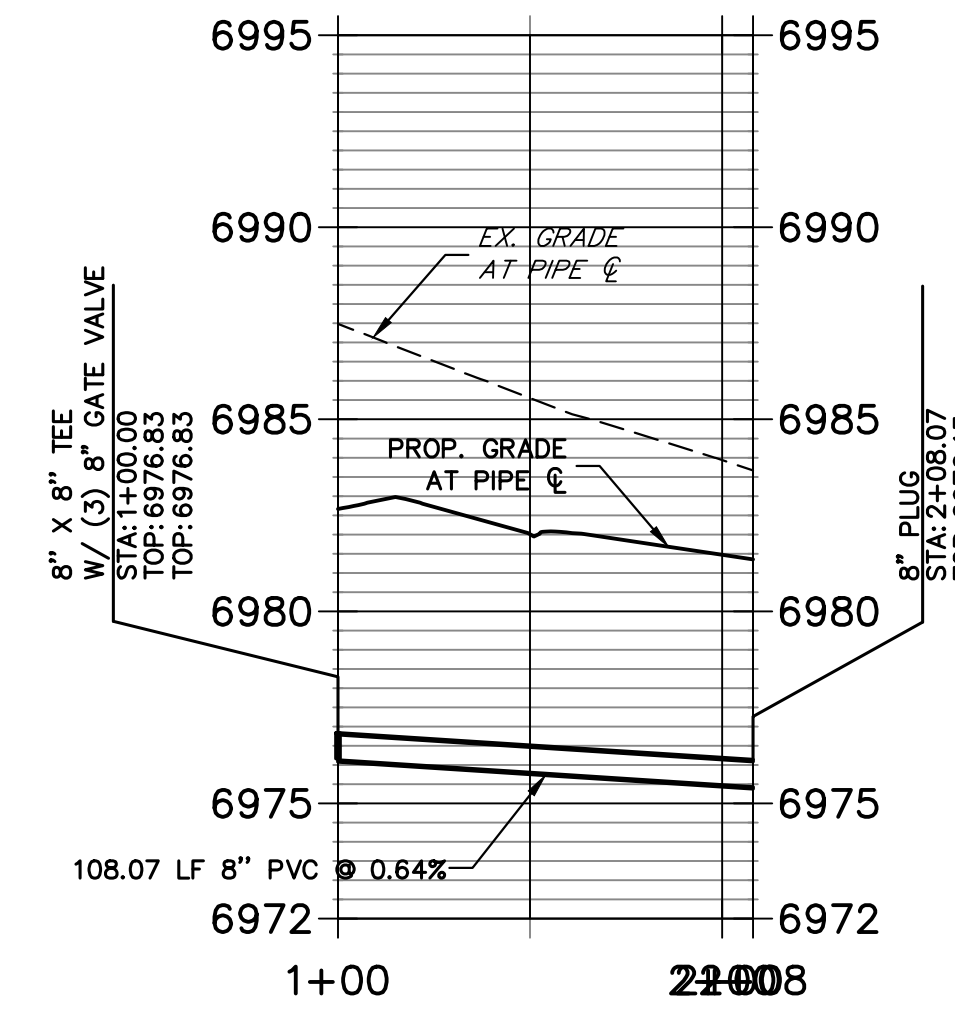
PREPARED FOR
RHECTORIC, LLC
20 BOULDER CRESCENT, SUITE 200
COLORADO SPRINGS, CO
ERIC HOWARD
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**ALIGNMENT WP01 PROFILE
STA 1+00.00 TO 6+90.77**



**ALIGNMENT WP03 PROFILE
STA 1+00.00 TO 2+08.07**



50 25 0 50 100
HORIZONTAL
ORIGINAL SCALE: 1" = 50'
VERTICAL
ORIGINAL SCALE: 1" = 5'

THE LOCATIONS OF EXISTING ABOVE GROUND AND UNDERGROUND UTILITIES ARE SHOWN IN AN APPROXIMATE WAY ONLY. THE CONTRACTOR SHALL DETERMINE THE EXACT LOCATION OF ALL EXISTING UTILITIES BEFORE COMMENCING WORK. THE CONTRACTOR SHALL BE FULLY RESPONSIBLE FOR ANY AND ALL DAMAGES WHICH MIGHT BE CAUSED BY HIS FAILURE TO EXACTLY LOCATE AND PRESERVE ANY AND ALL ABOVE GROUND AND UNDERGROUND UTILITIES.

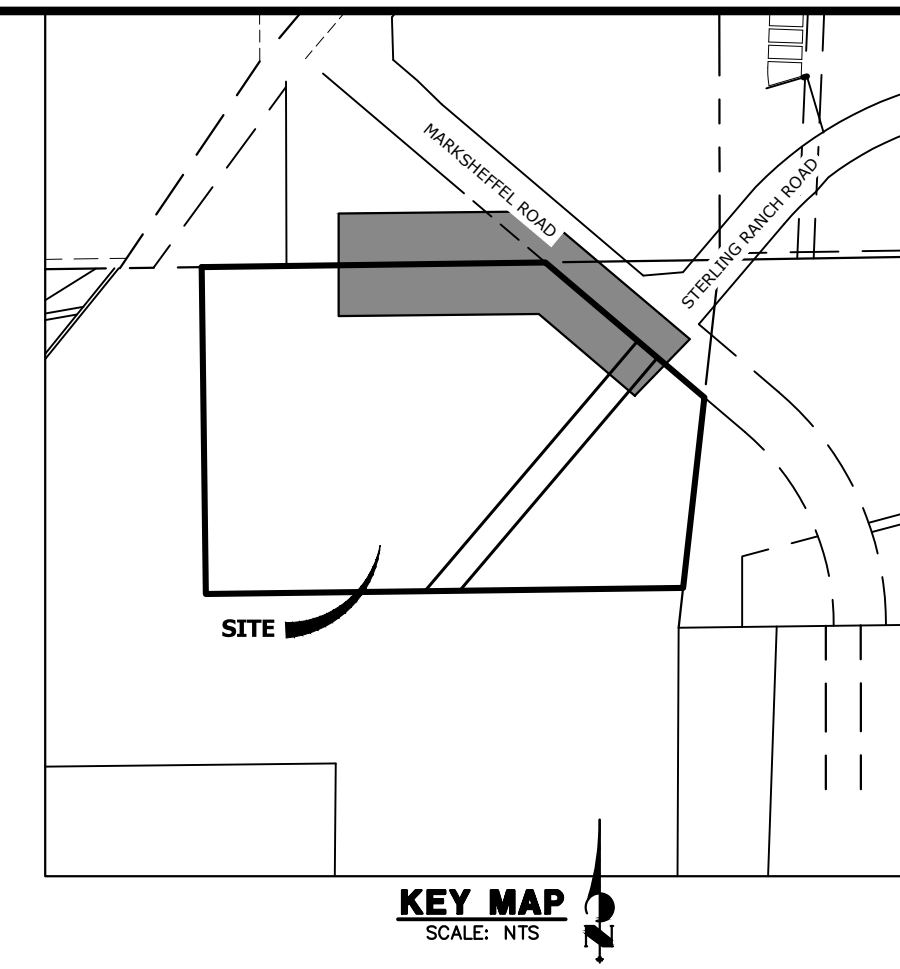
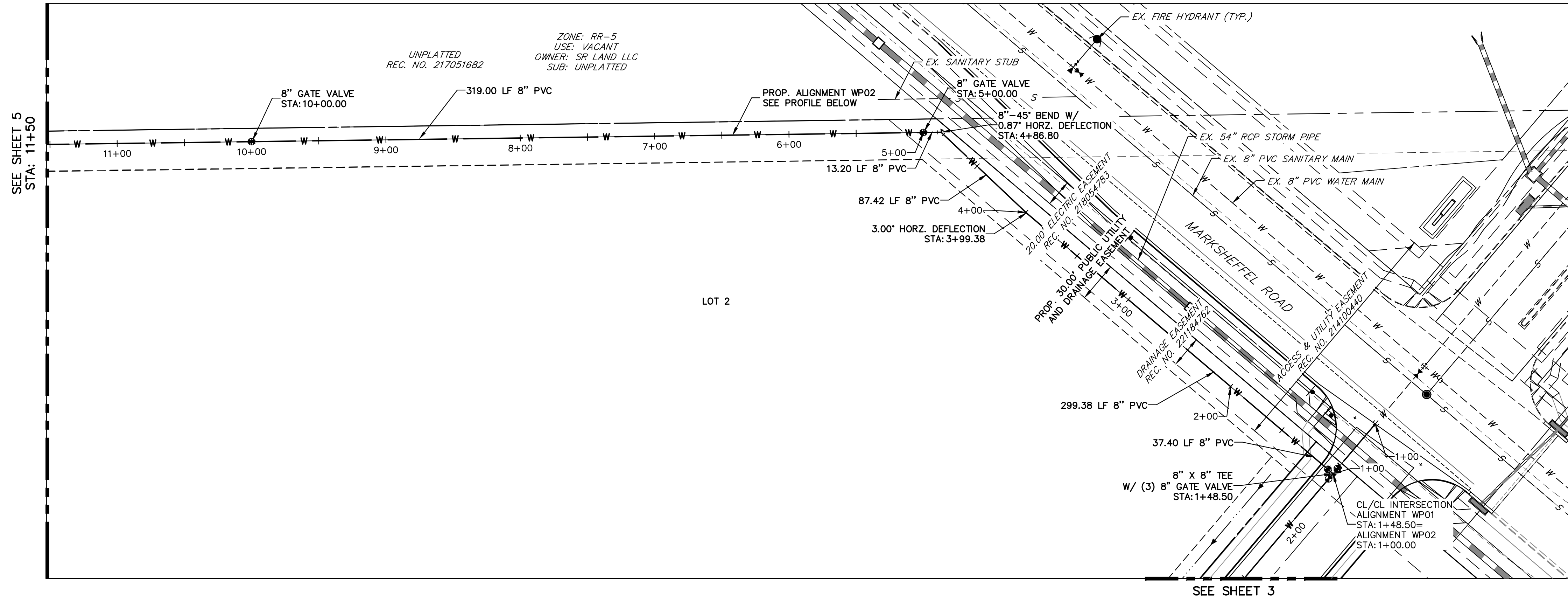


ENGINEER'S STATEMENT
PREPARED UNDER MY DIRECT SUPERVISION AND ON BEHALF OF JR ENGINEERING
DATE 10/25/24
BRYAN T. LAW, P.E.
COLORADO P.E. 25043
FOR AND ON BEHALF OF JR ENGINEERING, A PROFESSIONAL ENGINEERING FIRM

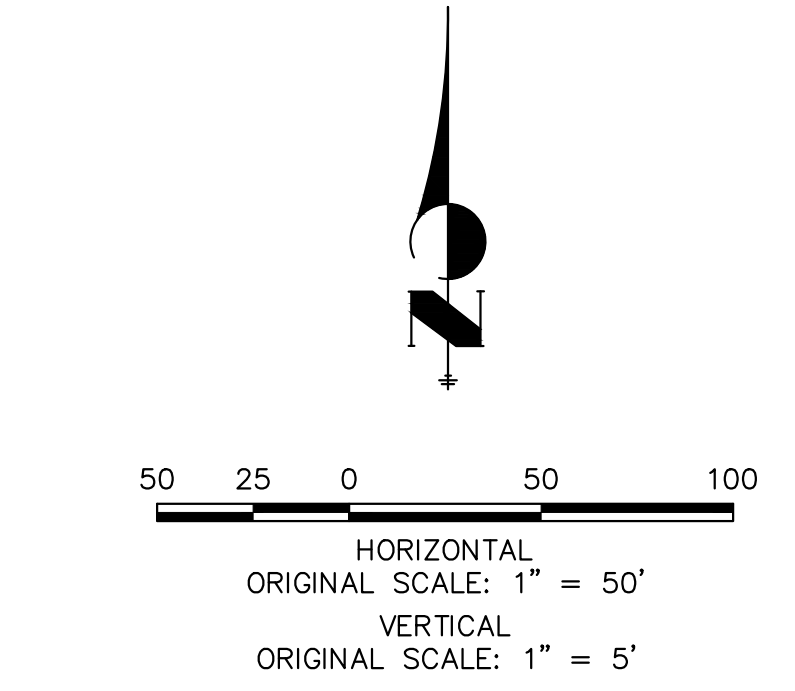
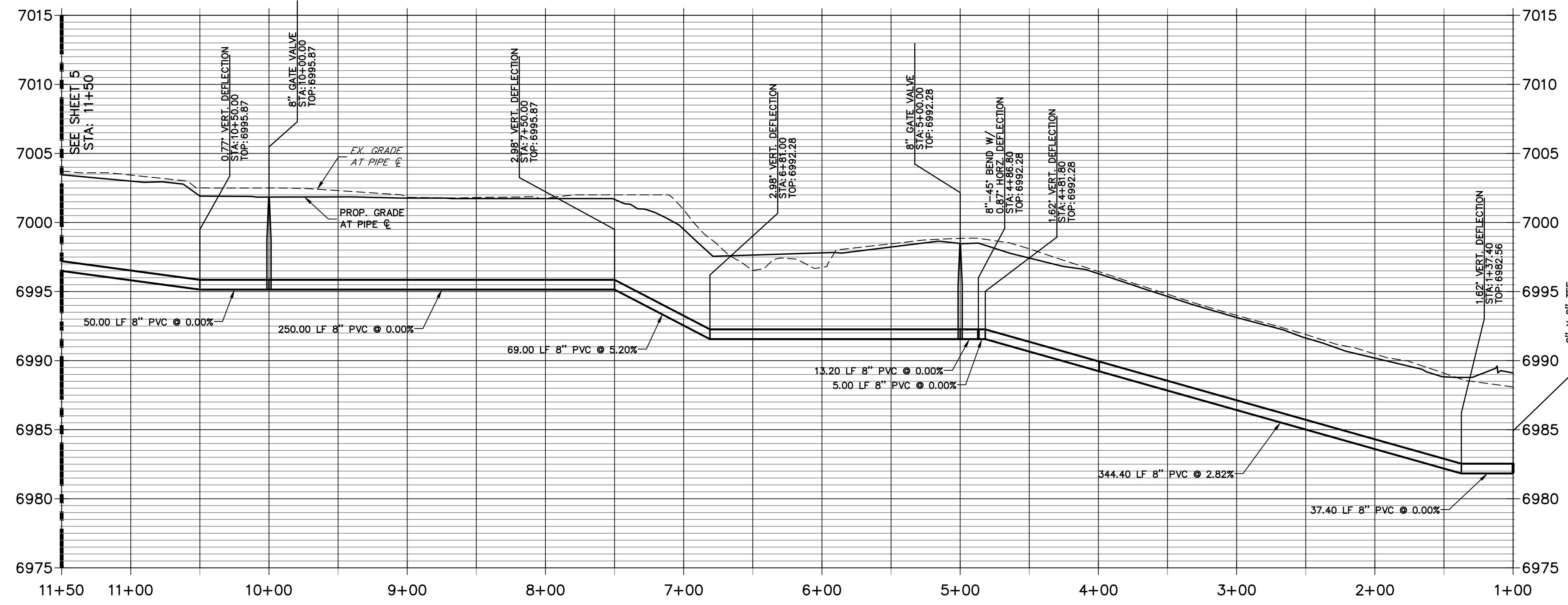
BY	DATE	No.	REVISION

H-SCALE	V-SCALE	DATE	DESIGNED BY	DRAWN BY	CHECKED BY
1"=50'	1"=5'	07/25/24	PAL	PAL	

STERLING RECYCLING FACILITY
WATER PLANS
SHEET 3 OF 6
JOB NO. 25188.14



**ALIGNMENT WP02 PROFILE
STA 1+00.00 TO 11+50.00**

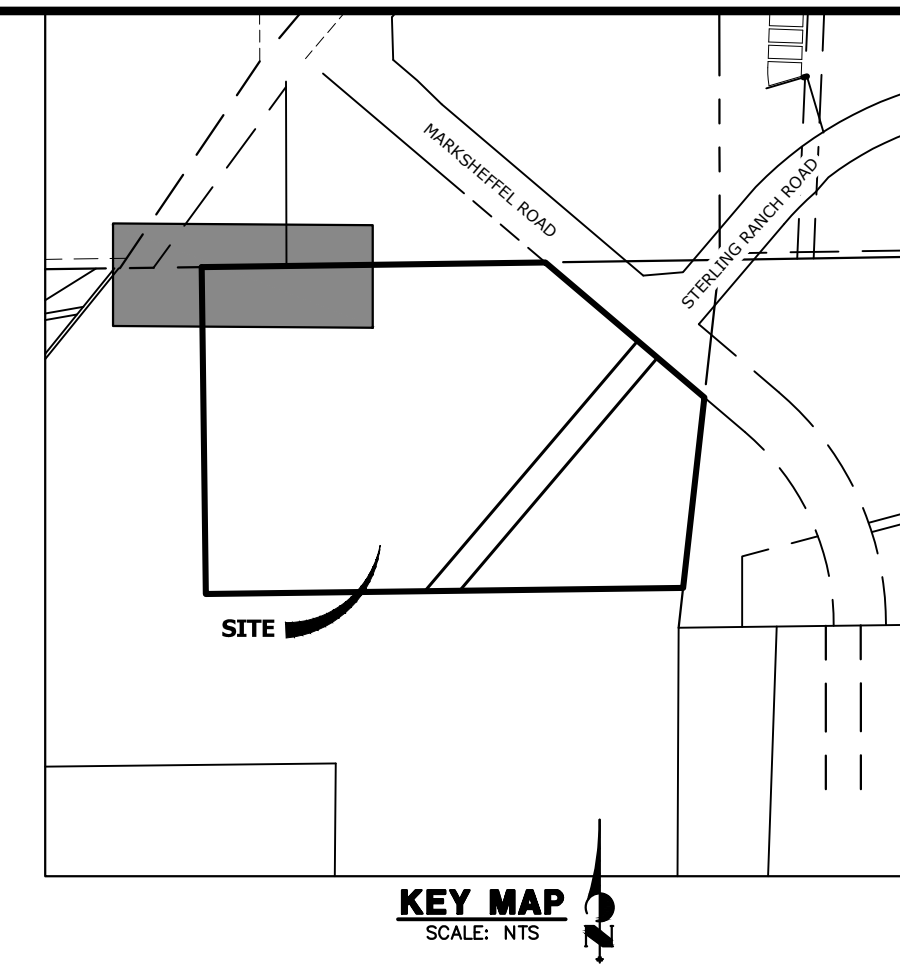
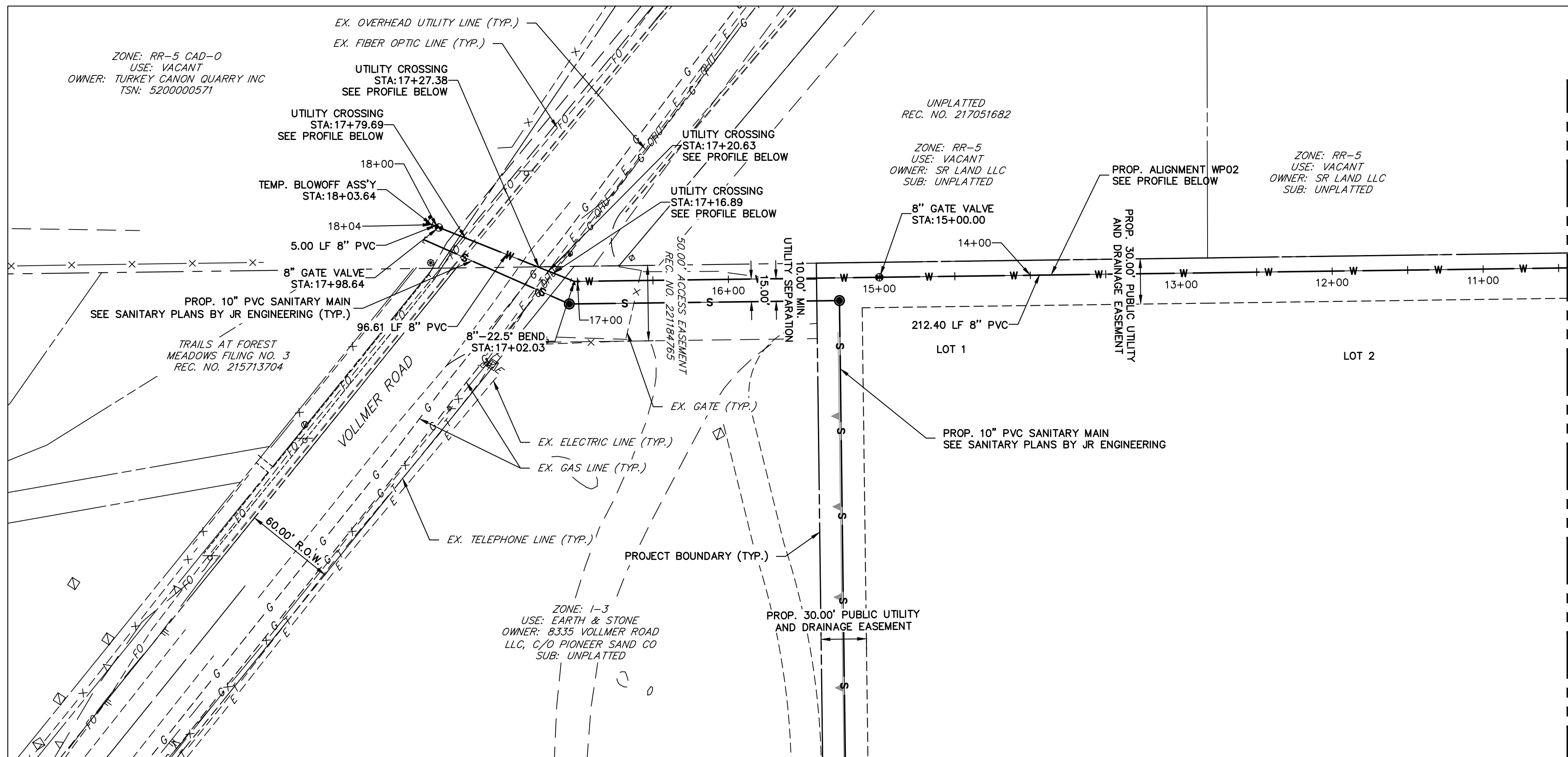


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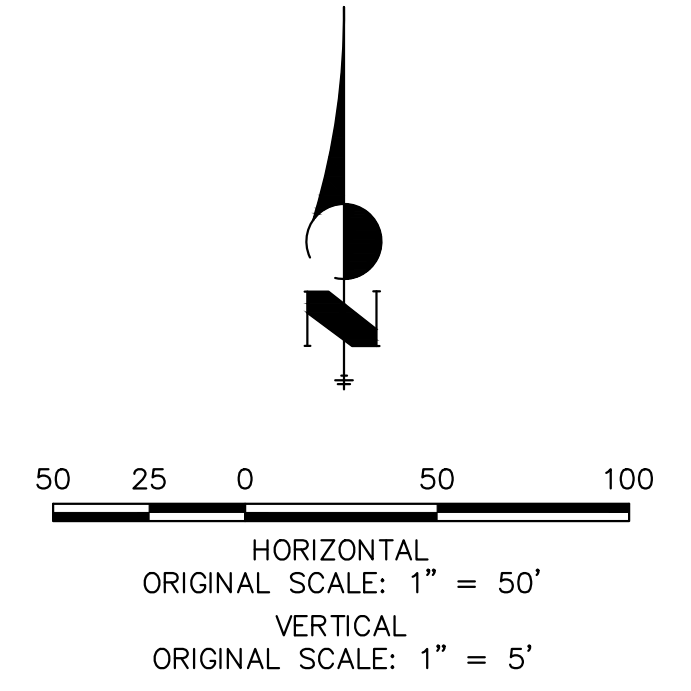
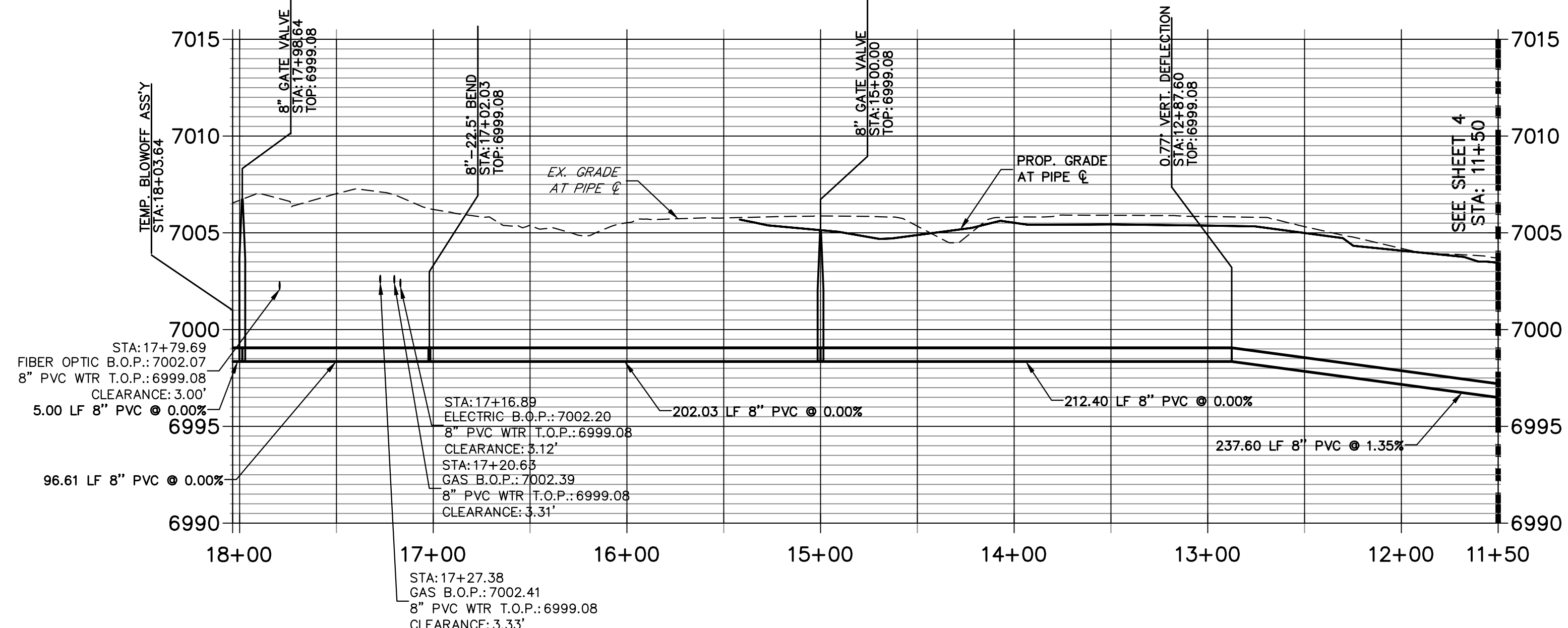


ENGINEER'S STATEMENT
 PREPARED UNDER MY DIRECT SUPERVISION AND ON BEHALF OF JR ENGINEERING
 BRYAN T. LAW, P.E.
 COLORADO P.E. 25043
 FOR AND ON BEHALF OF JR ENGINEERING, LLC
 DATE: 10/25/24

UNTIL SUCH TIME AS THESE DRAWINGS ARE APPROVED BY THE APPROPRIATE REVIEWING AGENCIES, OR ENGINEERING APPROVES THEIR USE, THESE DRAWINGS ARE DESIGNATED BY WRITTEN AUTHORIZATION. PREPARED FOR RHETORIC, LLC 20 BOULDER CRESCENT, SUITE 200 COLORADO SPRINGS, CO ERIC HOWARD EHOWARDPC@GMAIL.COM (719) 964-0064	J.R. ENGINEERING A Westman Company Centennial 303-740-9888 • Colorado Springs 719-583-2583 Fort Collins 970-491-9888 • www.jrengineering.com	BY	DATE
STERLING RECYCLING FACILITY WATER PLANS	No.	REVISION	
	H-SCALE	1"=50'	
	V-SCALE	1"=5'	
	DATE	07/25/24	
DESIGNED BY	PAL	CHECKED BY	
DRAWN BY	PAL		
SHEET	4	OF	6
JOB NO.	25188.14		



**ALIGNMENT WP02 PROFILE (2)
STA 11+50.00 TO 18+03.64**

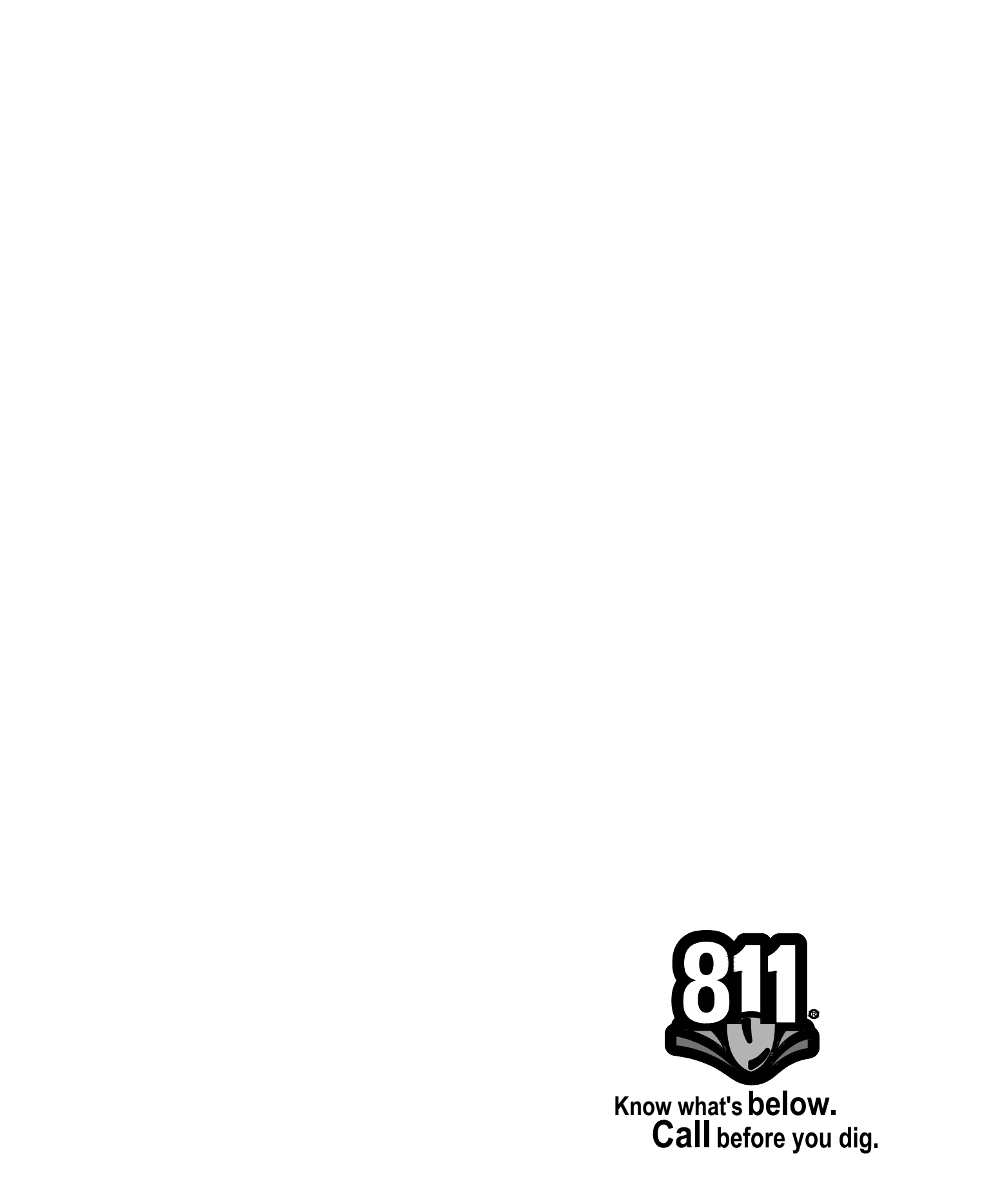
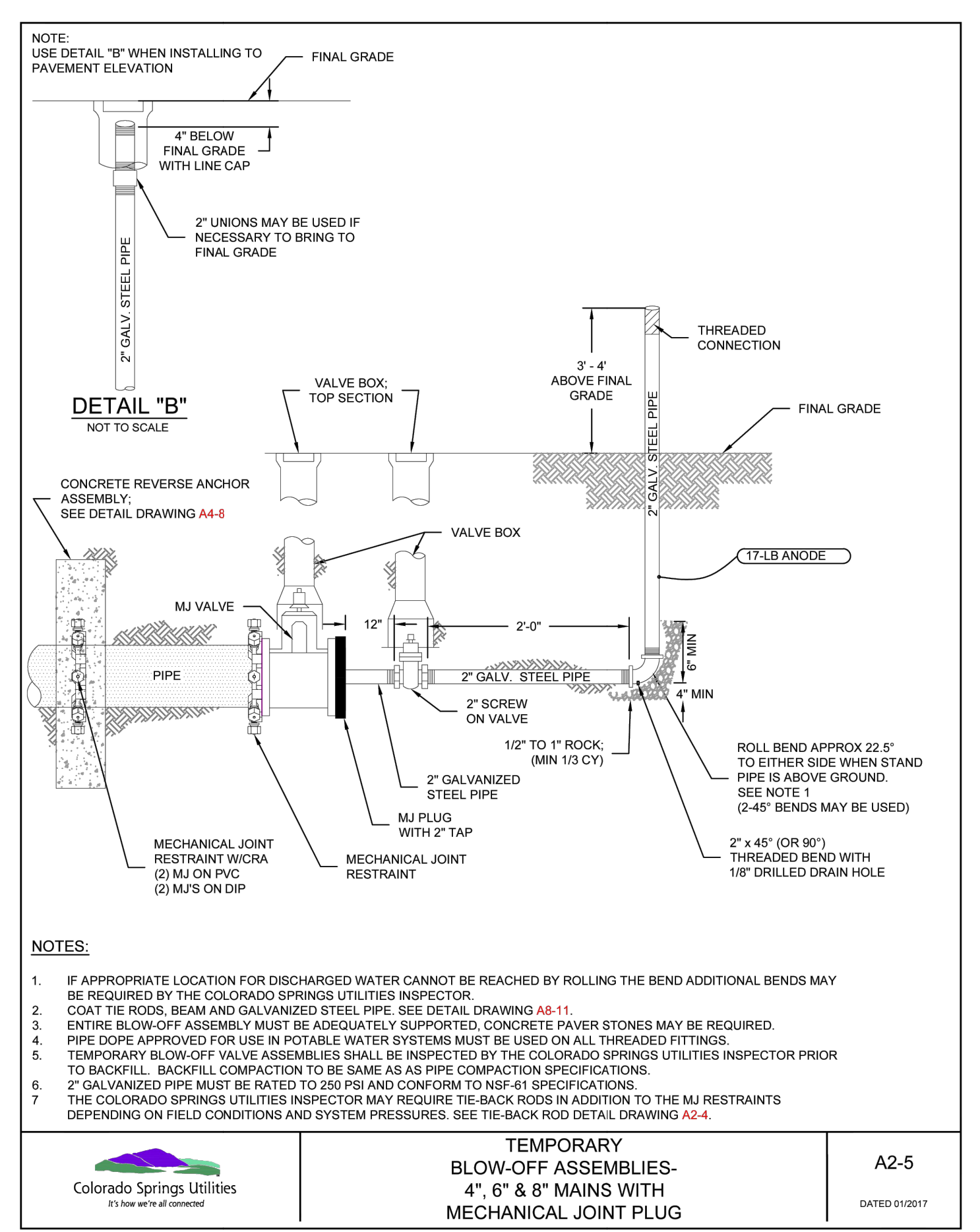
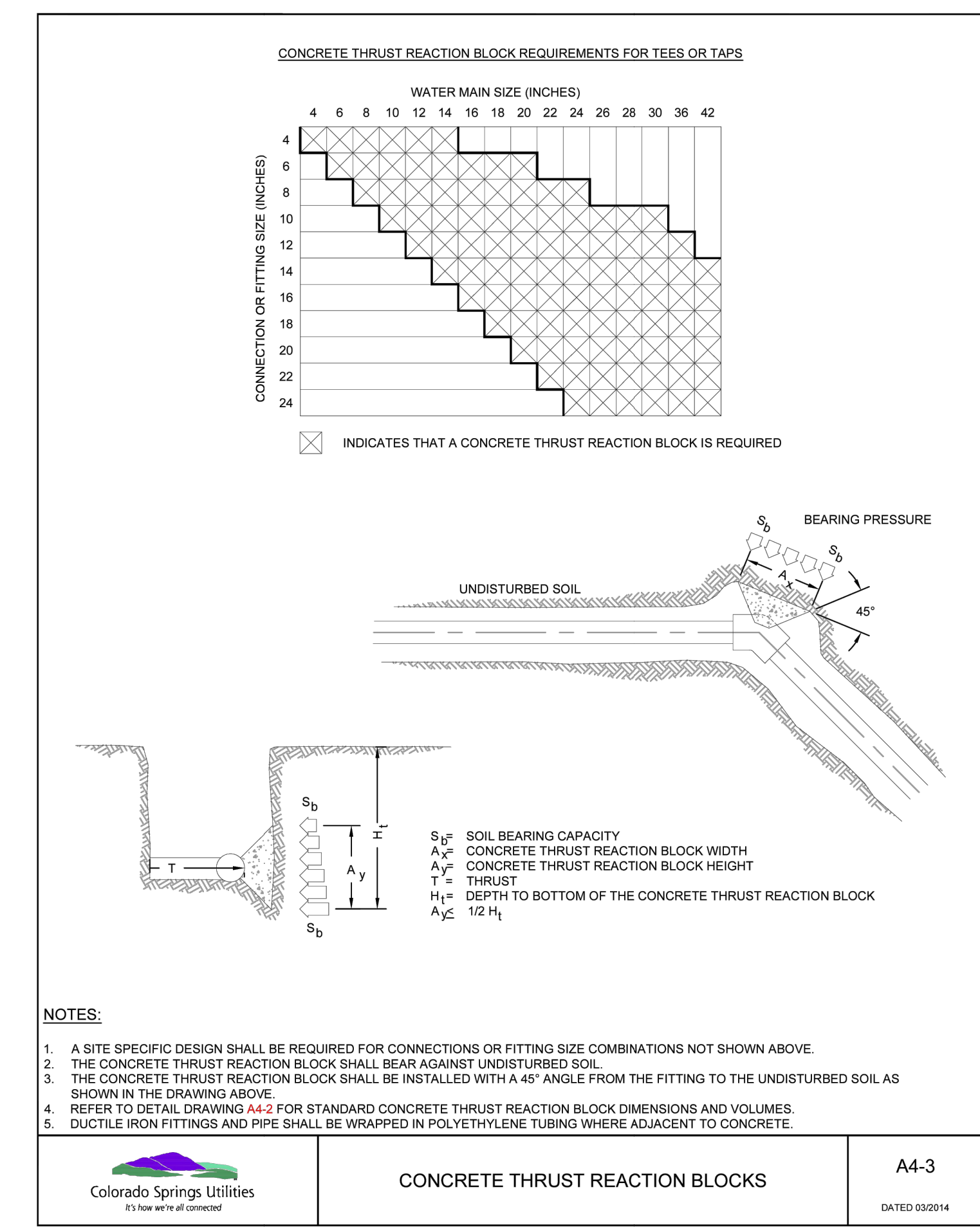
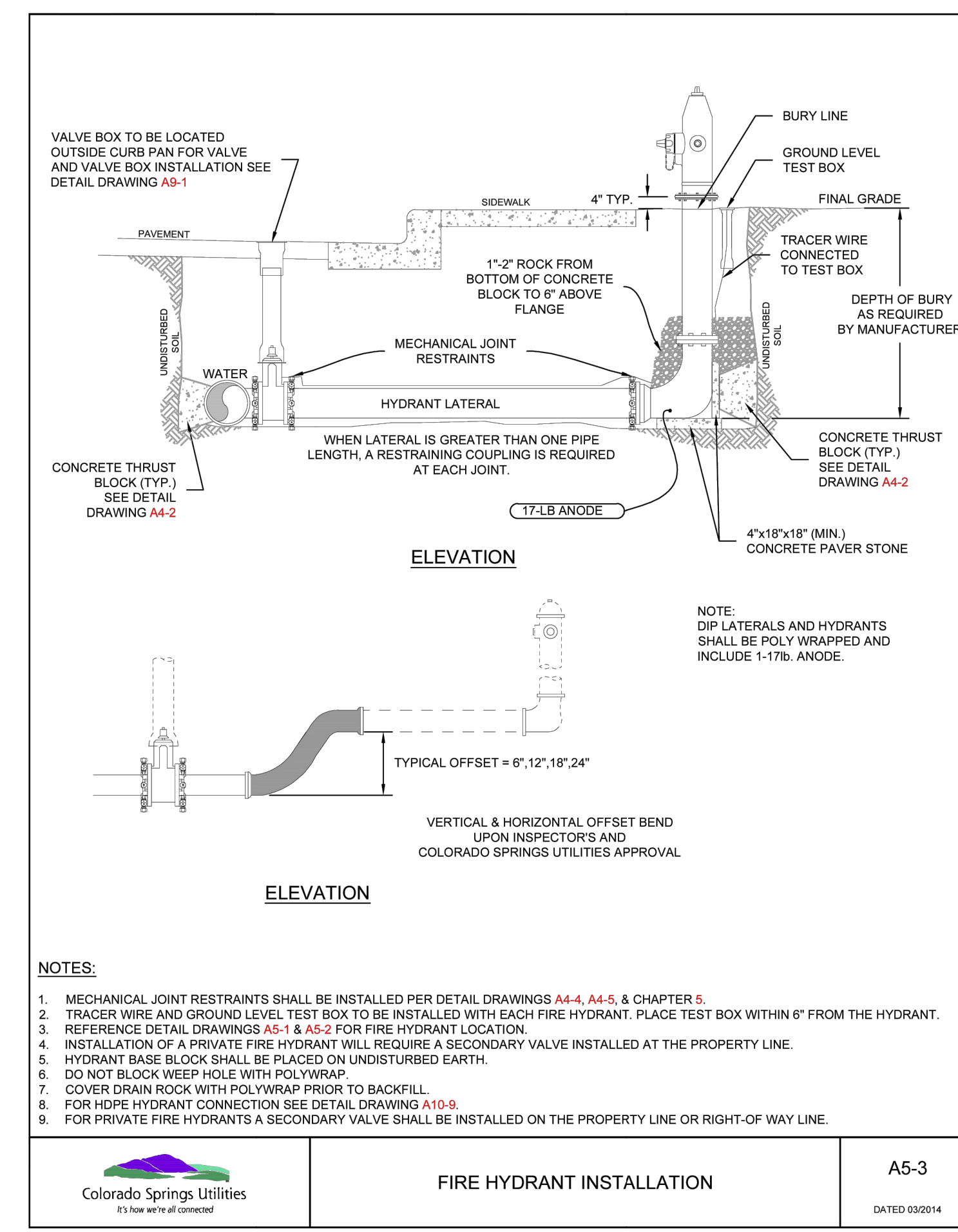
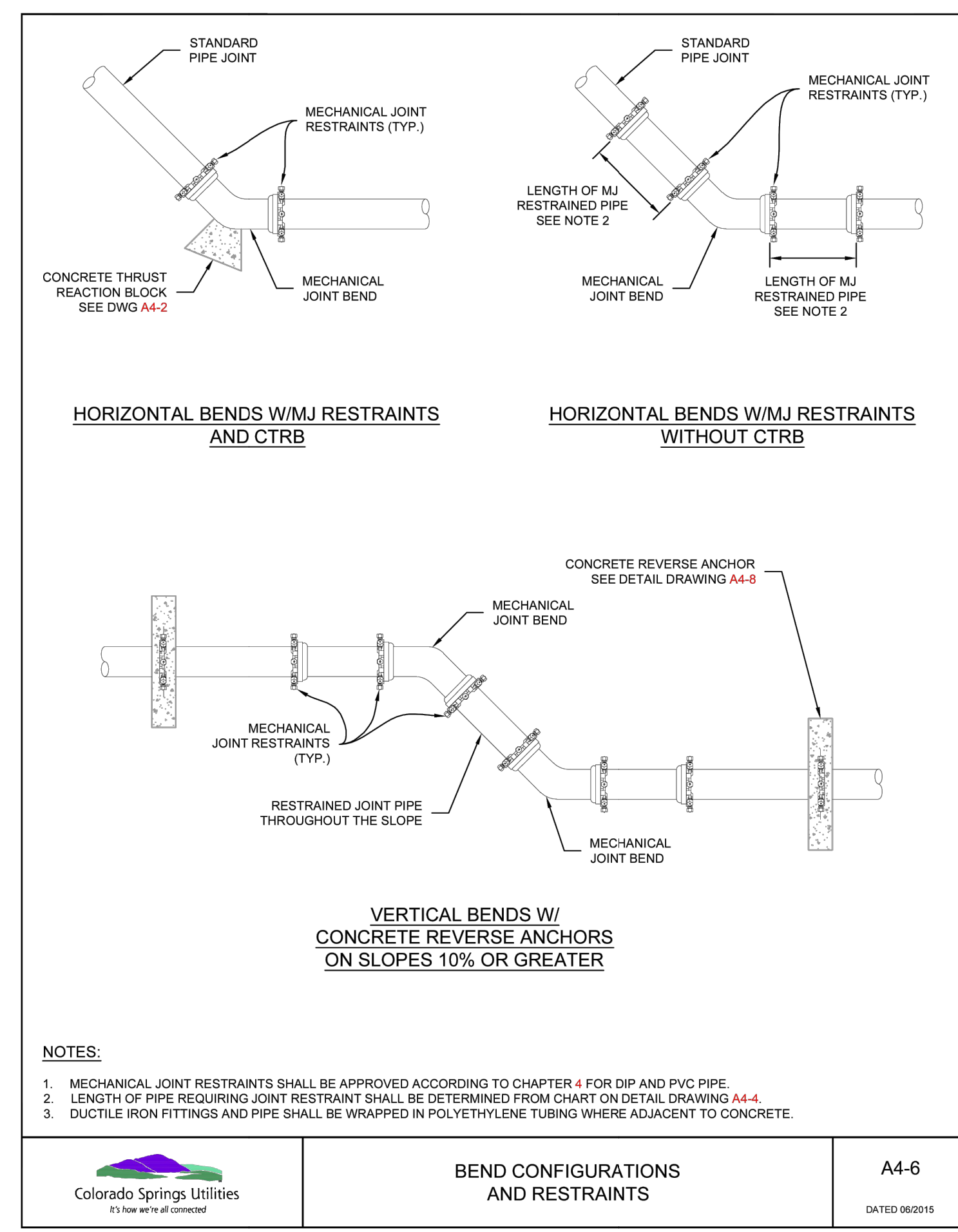
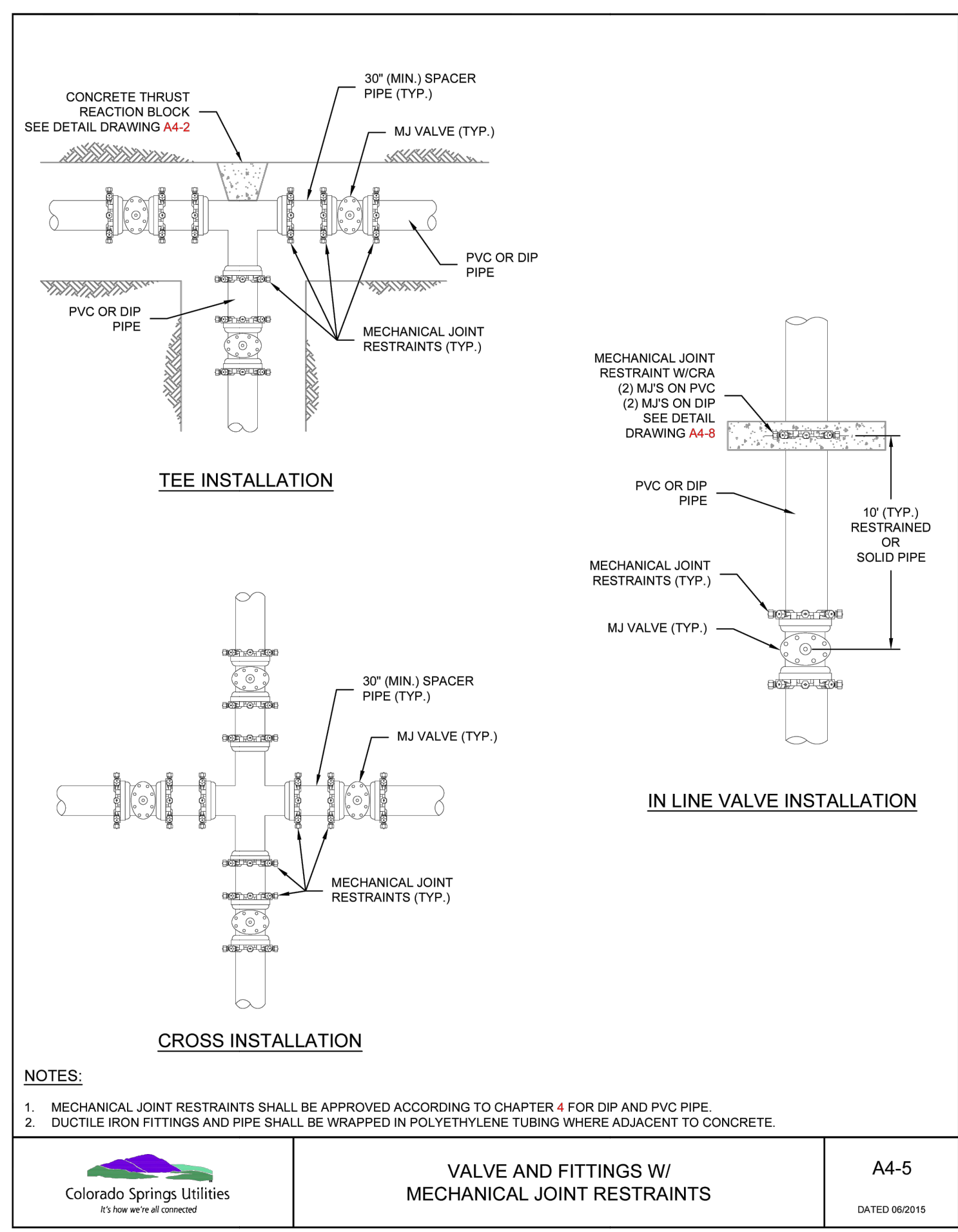


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ENGINEER'S STATEMENT
 PREPARED UNDER MY DIRECT SUPERVISION AND ON BEHALF OF JR ENGINEERING
 BRYAN T. LAW, P.E.
 COLORADO P.E. 25043
 FOR AND ON BEHALF OF JR ENGINEERING, INC. DATE: 10/25/24

UNTIL SUCH TIME AS THESE DRAWINGS ARE APPROVED BY THE AGENCIES, JR ENGINEERING APPROVES THEIR USE. APPROVED USES ARE DESIGNATED BY WRITTEN AUTHORIZATION. PREPARED FOR RHETORIC, LLC 20 BOULDER CRESCENT, SUITE 200 COLORADO SPRINGS, CO ERIC HOWARD EHOWARDPC@GMAIL.COM (719) 964-0064	J.R. ENGINEERING A Westman Company Centennial 300-740-9888 • Colorado Springs 719-583-2583 Fort Collins 970-491-9888 • www.jrengineering.com	BY	DATE
STERLING RECYCLING FACILITY WATER PLANS	No.	REVISION	
	H-SCALE	1"=50'	
	V-SCALE	1"=5'	
	DATE	07/25/24	
DESIGNED BY	PAL		
DRAWN BY	PAL		
CHECKED BY			
SHEET 5 OF 6	JOB NO. 25188.14		



ENGINEER'S STATEMENT

STANDARD DETAILS SHOWN WERE REVIEWED ONLY AS TO THEIR APPLICATION ON THIS PROJECT

BRYAN T. LAW, P.E.
COLORADO P.E. 25043
FOR AND ON BEHALF OF JR ENGINEERING, LLC

DATE: 10/25/24

PREPARED FOR
RHECTORIC, LLC
20 BOULDER CRESCENT, SUITE 200
COLORADO SPRINGS, CO
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BY	DATE	No.	REVISION	H-SCALE	V-SCALE	DATE	DESIGNED BY	DRAWN BY	CHECKED BY
				N/A	N/A	07/25/24	PAL	PAL	
STERLING RECYCLING FACILITY									
DETAILS									
SHEET 6 OF 6									
JOB NO. 25188.14									