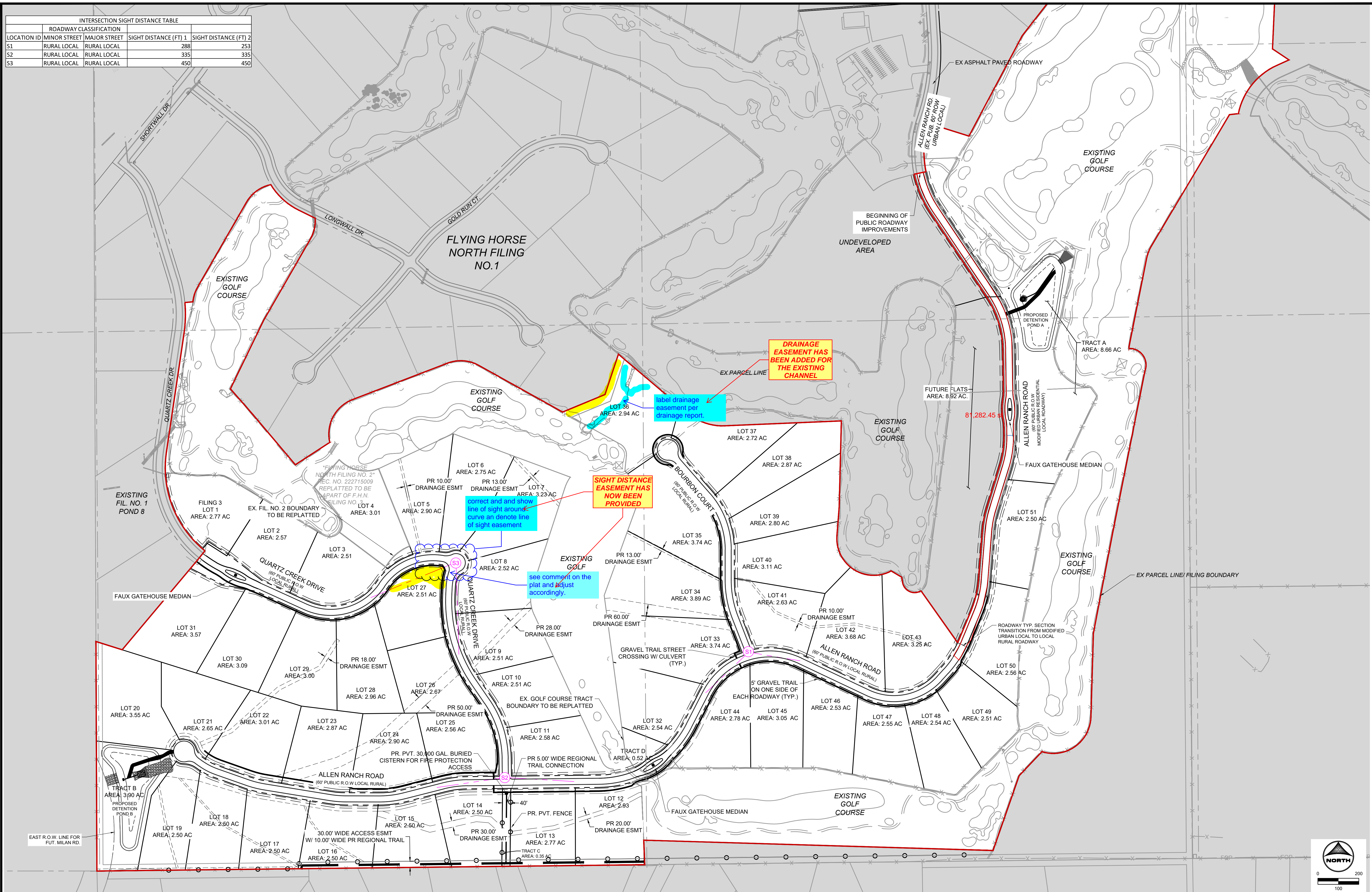


HERGER, DANIEL, 3/4/2024 5:27 PM

INTERSECTION SIGHT DISTANCE TABLE				
LOCATION ID	MINOR STREET	MAJOR STREET	SIGHT DISTANCE (FT) 1	SIGHT DISTANCE (FT) 2
S1	RURAL LOCAL	RURAL LOCAL	288	253
S2	RURAL LOCAL	RURAL LOCAL	335	335
S3	RURAL LOCAL	RURAL LOCAL	450	450



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 CAD FILE: J:\2021\211030\CAD\DWG\C\Estates_CDs\Site_Plan

NO.	DATE	BY	REVISION DESCRIPTION

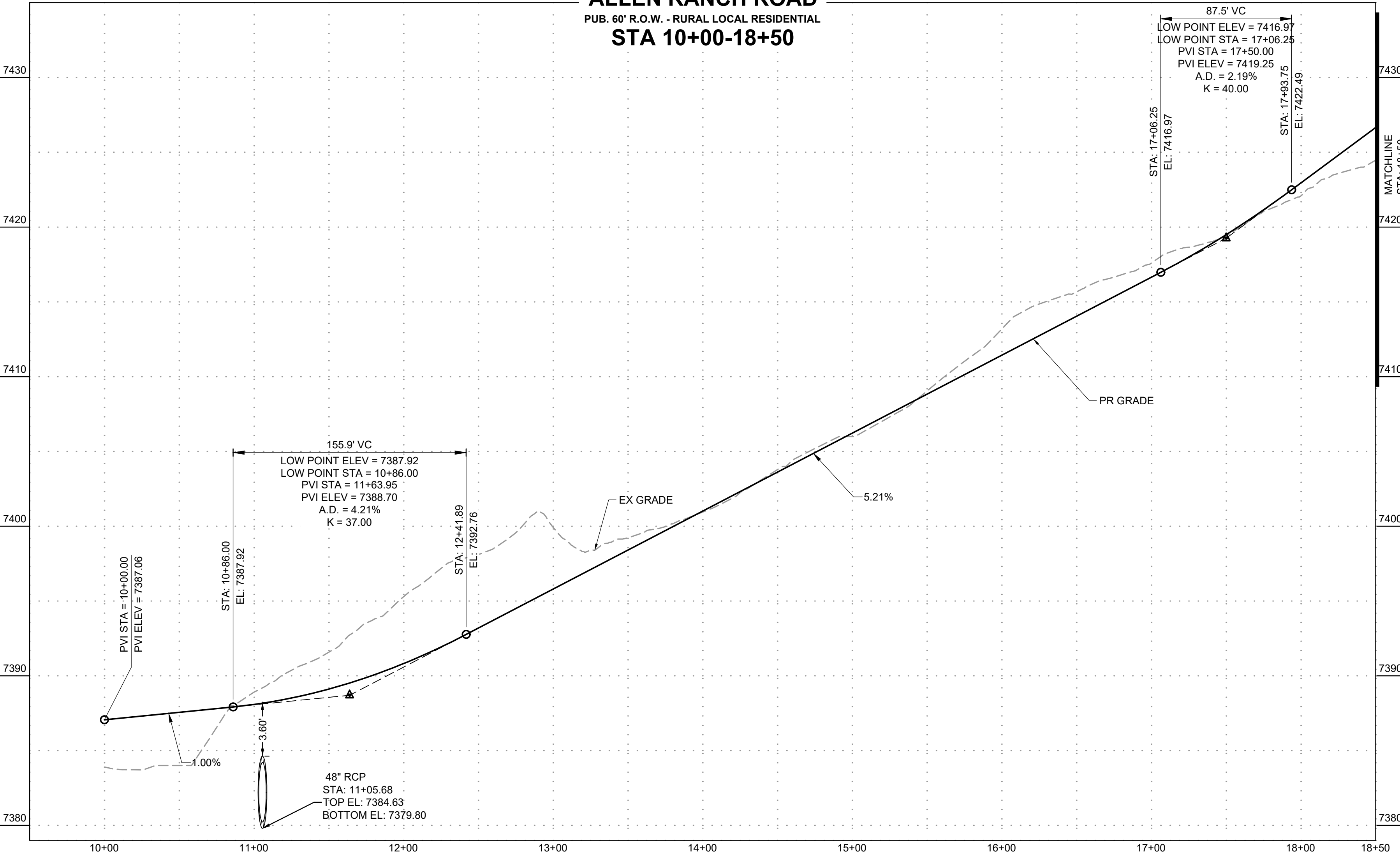
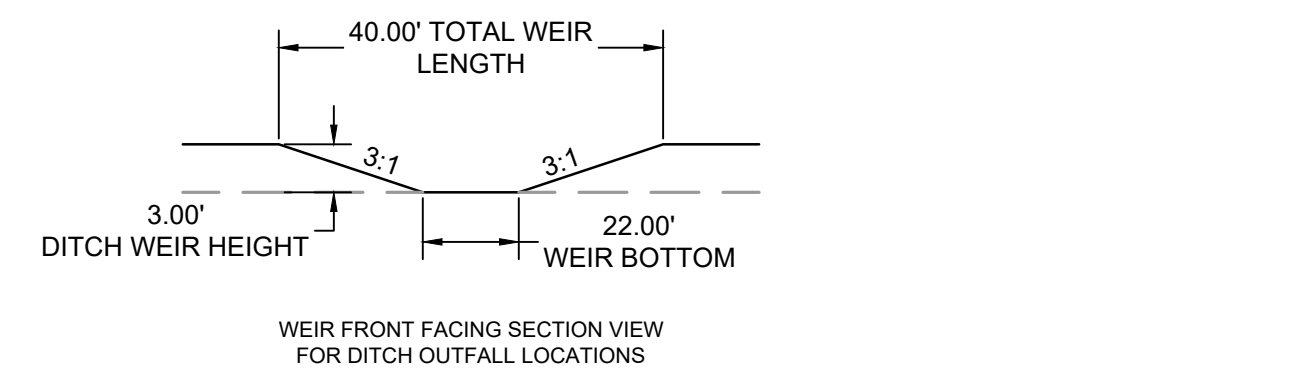
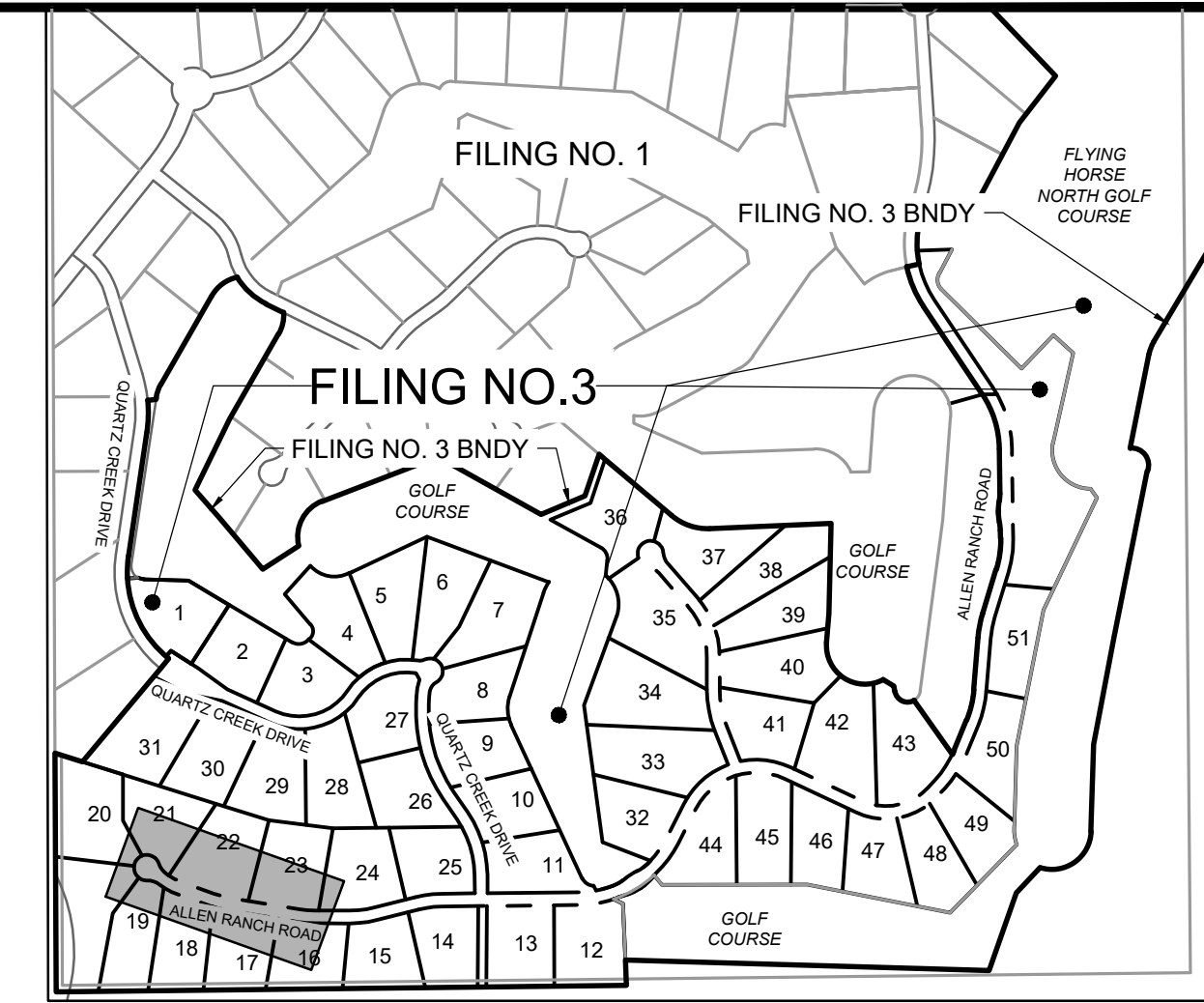
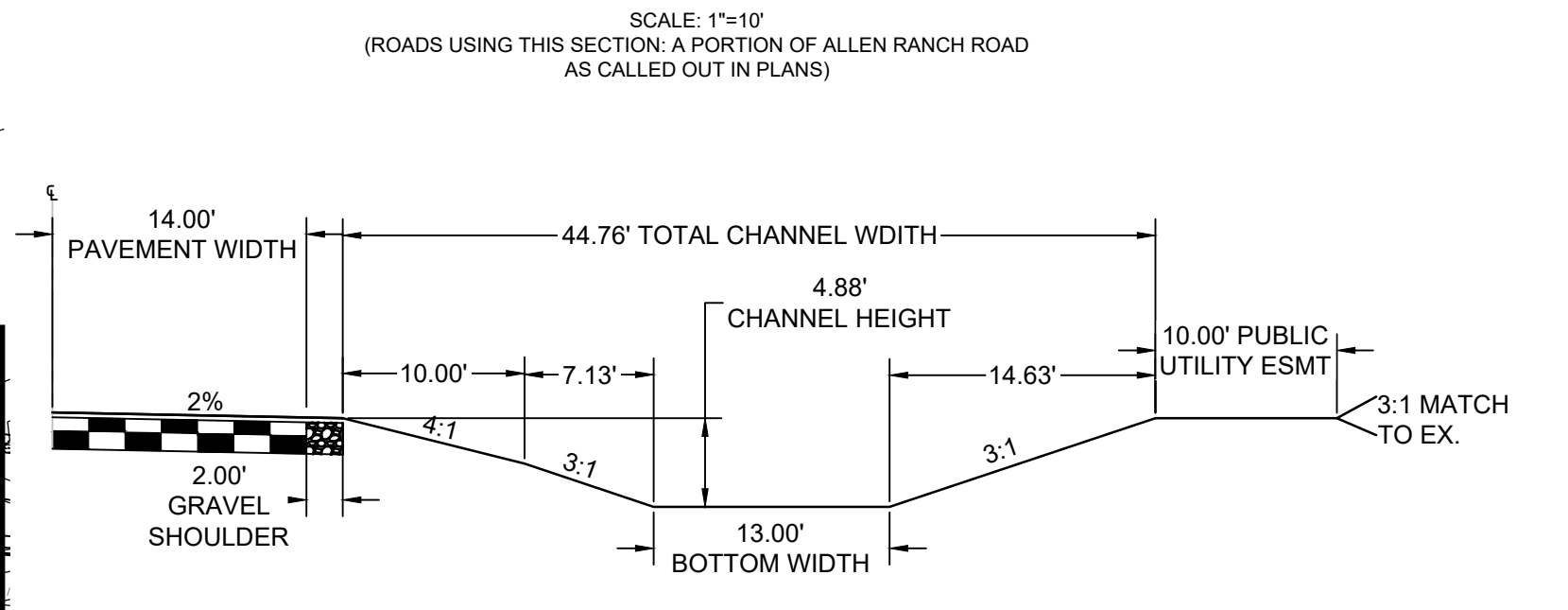
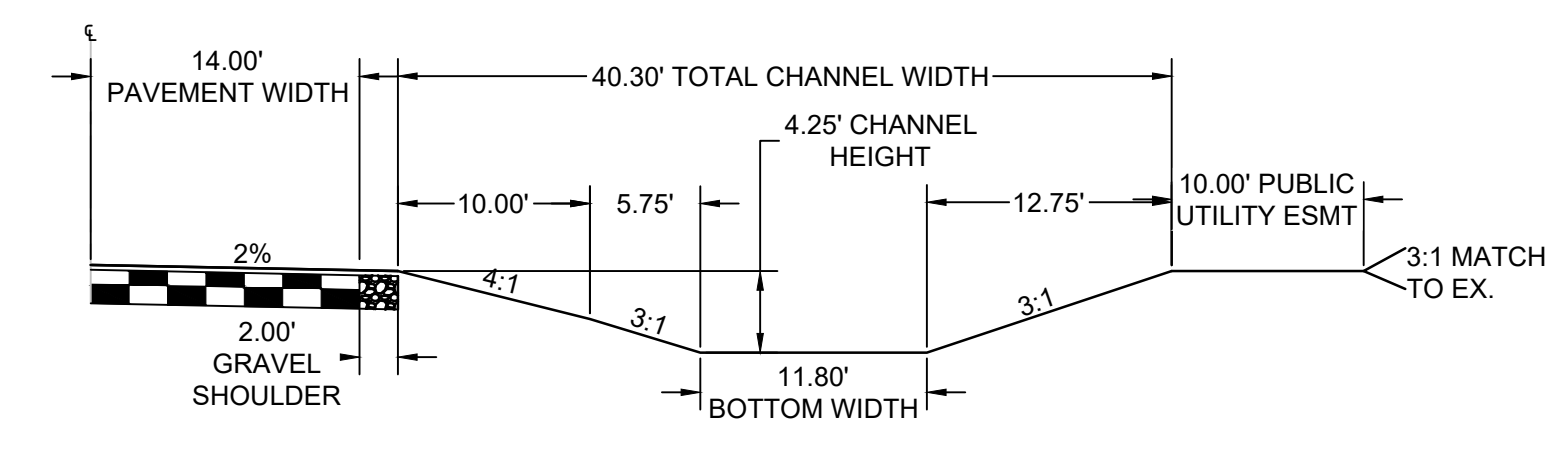
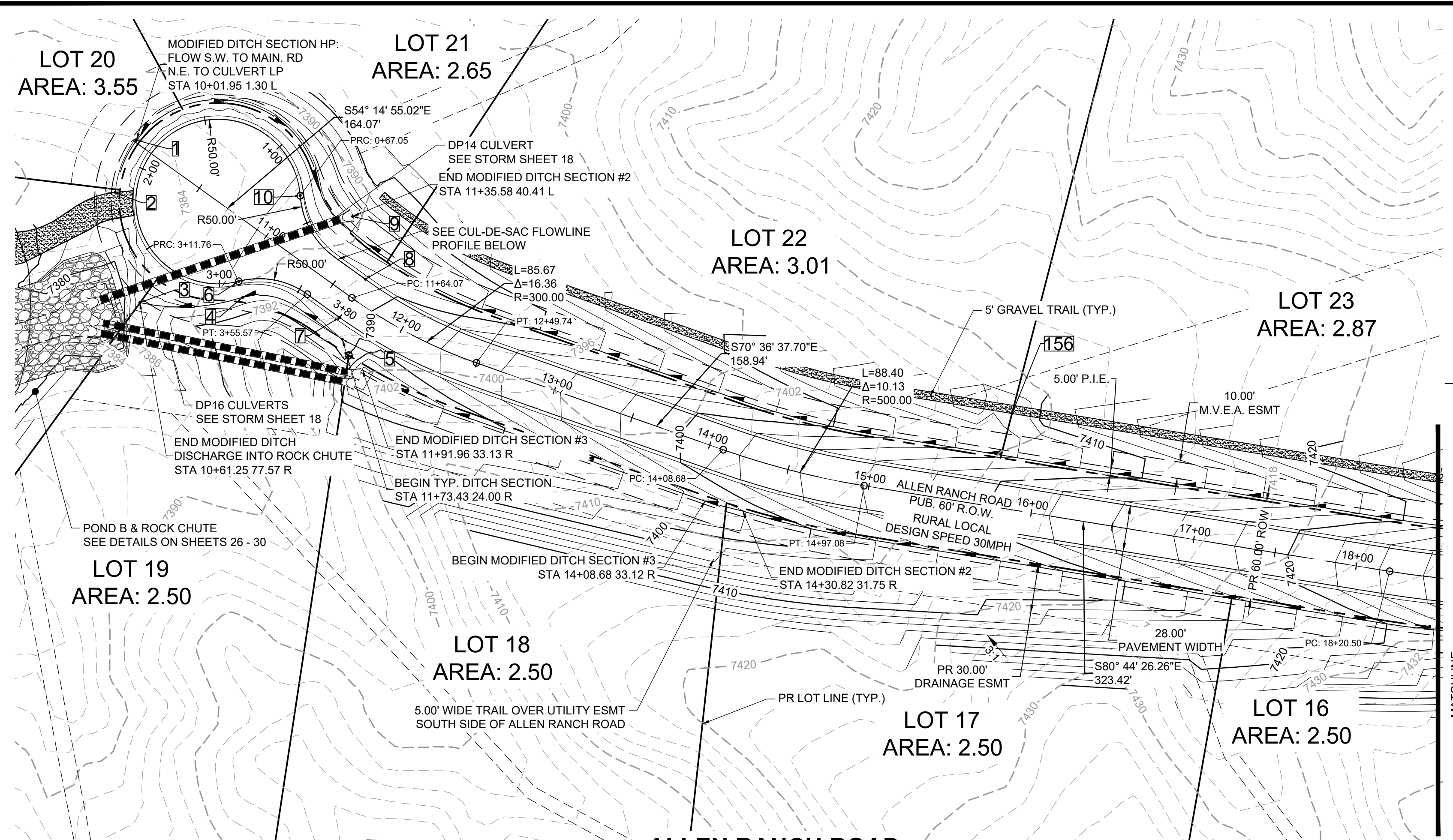
HRGreen
 HR GREEN - COLORADO SPRINGS
 1975 RESEARCH PARKWAY SUITE 230
 COLORADO SPRINGS, CO 80920
 PHONE: 719.300.4140
 FAX: 713.965.0044

**FLYING HORSE NORTH FILING 3
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 EL PASO COUNTY, CO

CONSTRUCTION DOCUMENTS
 OVERALL SITE PLAN

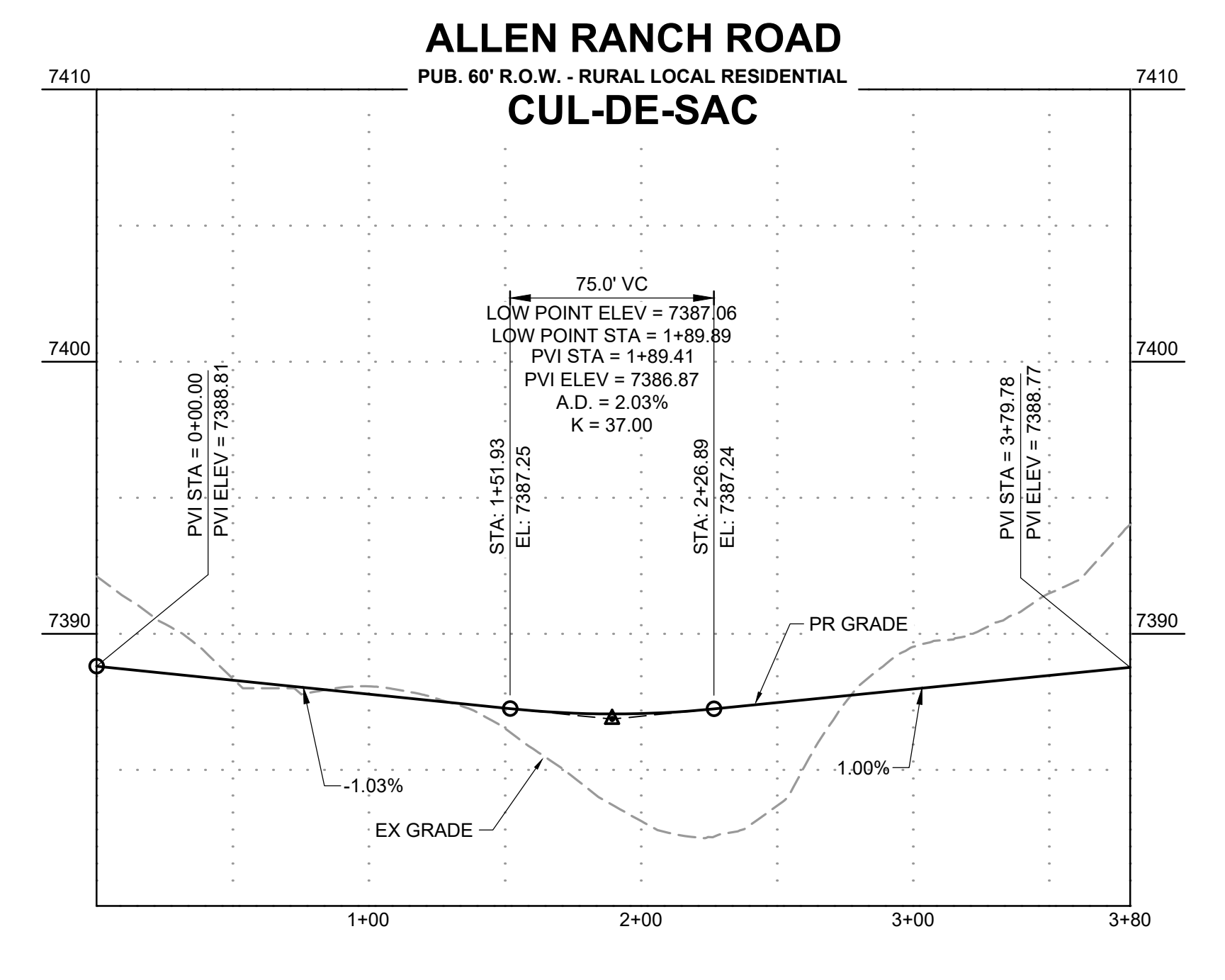
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HERGER, DANIEL, 3/4/2024 5:27 PM



POINT TABLE

No.	DESC.	ALIGNMENT	STATION	OFFSET	FL EL.
1	HIGH PT	Allen Ranch Road	STA 10+10.95	1.3' L	7384.33
2	END FL TRANSITION	Allen Ranch Road	STA 10+10.03	32.0' R	7383.99
3	END FL TRANSITION	Allen Ranch Road	STA 10+61.25	77.6' R	7385.38
4	BEGIN FL TRANSITION	Allen Ranch Road	STA 11+10.10	38.4' R	7386.65
5	SWALE FL	Allen Ranch Road	STA 11+73.43	24.0' R	7388.02
6	PRC	Allen Ranch Road Cul-de-Sac	STA 3+11.76	0.0'	7388.09
7	PCR	Allen Ranch Road	STA 11+65.00	14.0' R	7388.77
8	PCR	Allen Ranch Road	STA 11+64.07	14.0' L	7388.81
9	LOW PT	Allen Ranch Road	STA 11+35.58	40.4' L	7381.50
10	PRC	Allen Ranch Road Cul-de-Sac	STA 0+67.05	0.0'	7388.12
156	WEIR CNTR/SEE DT	Allen Ranch Road	STA 15+78.75	57.8' L	7406.97



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BAR IS ONE INCH ON OFFICIAL DRAWINGS.
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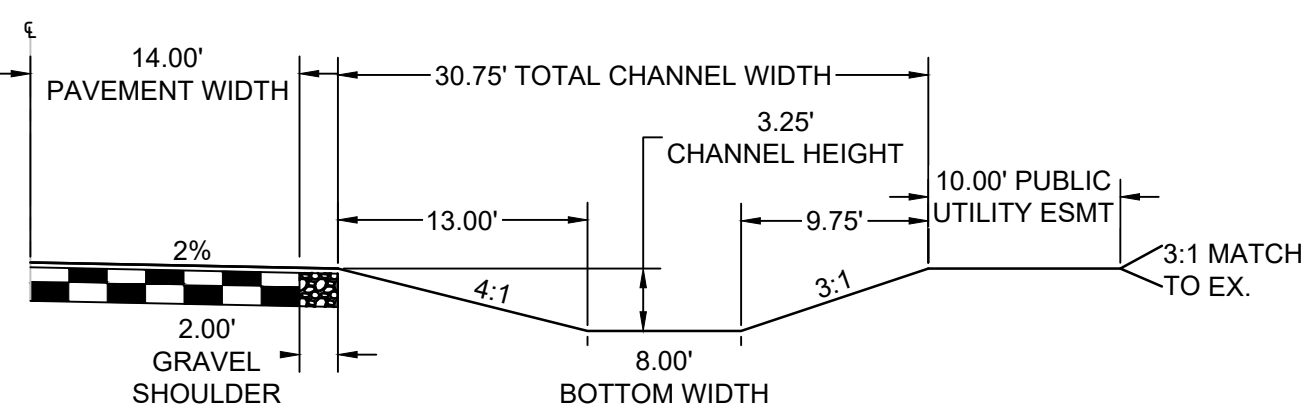
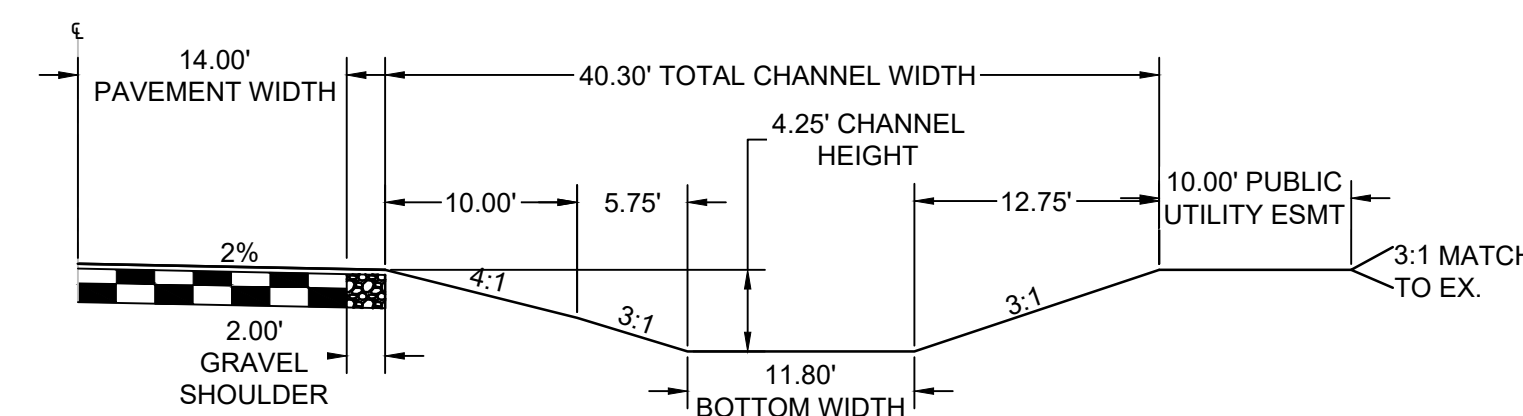
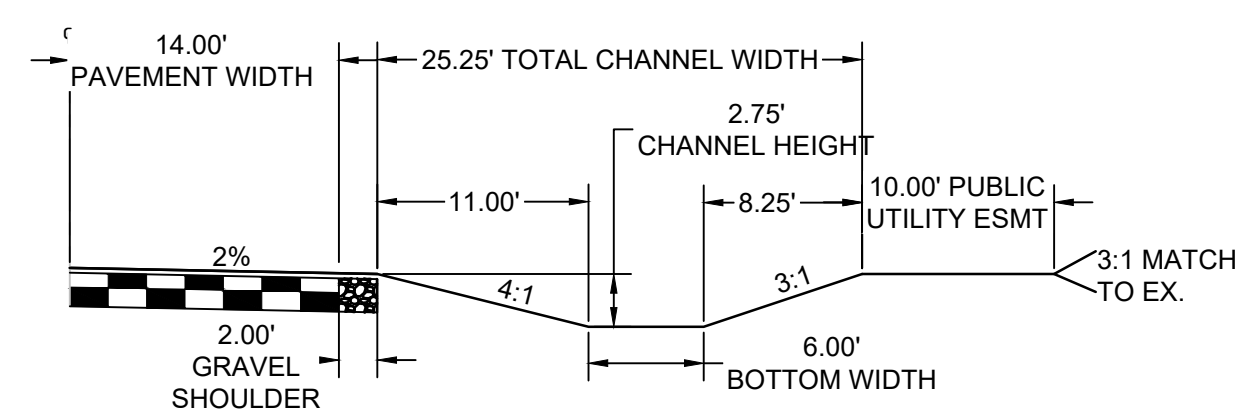
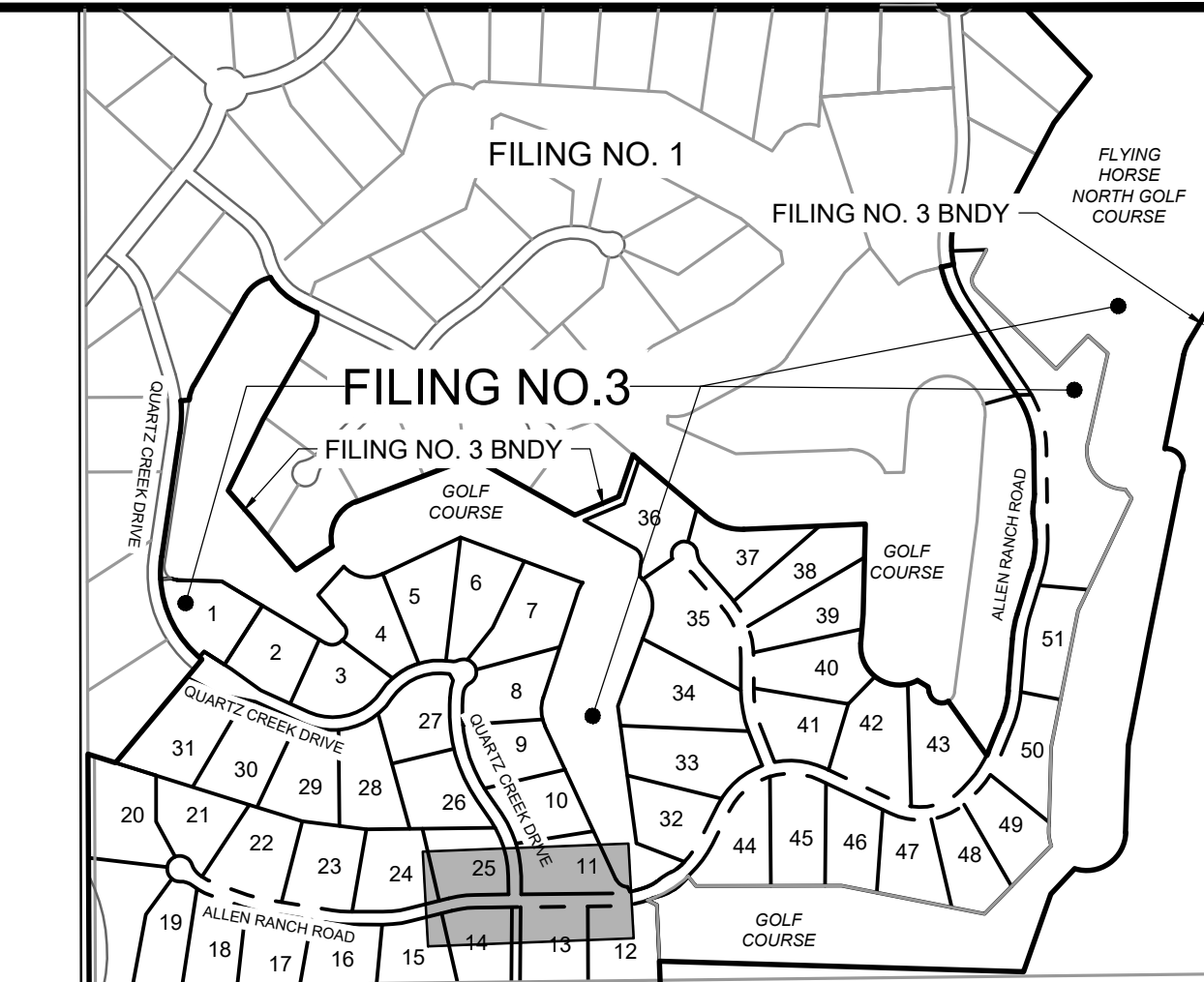
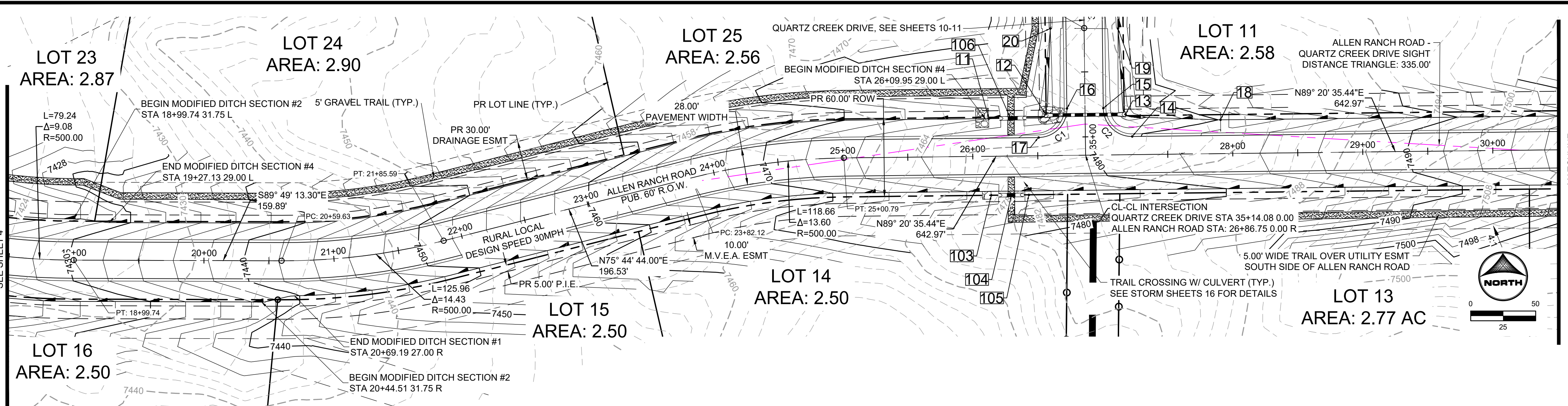
HR GREEN - COLORADO SPRINGS
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 COLORADO SPRINGS, CO 80920
 PHONE: 719.300.4140
 FAX: 719.965.0444

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 EL PASO COUNTY, CO

STREET PLAN & PROFILE
 ALLEN RANCH ROAD

SHEET
 ST
 4

HR GREEN Xrefs: xc-dgn-030, 202, xc-row-030, 202, xg-1-dn-1, 030, xc-row-030, 202, xc-dgn-030, 202, key_map, modified_ditch_sections

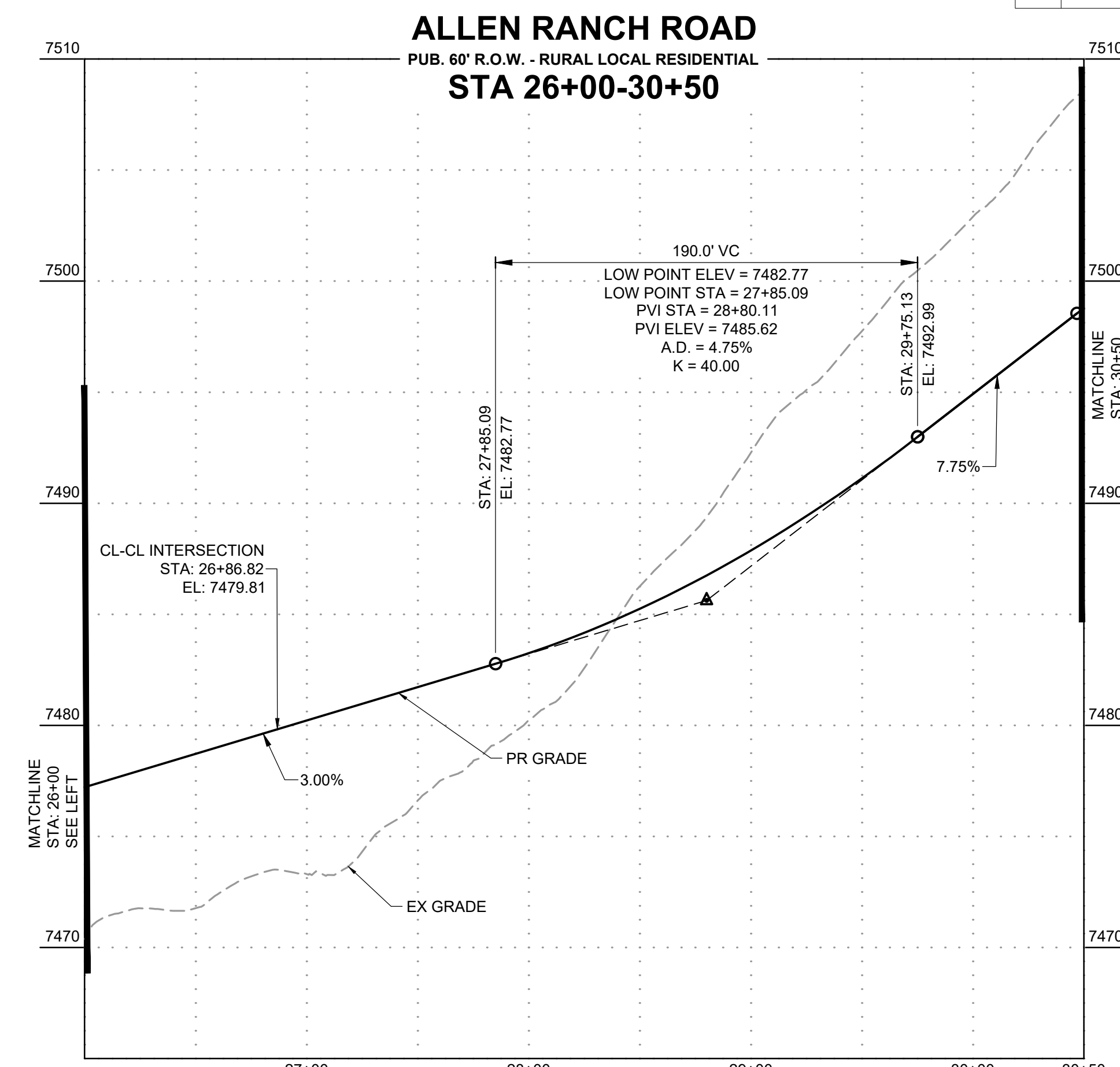
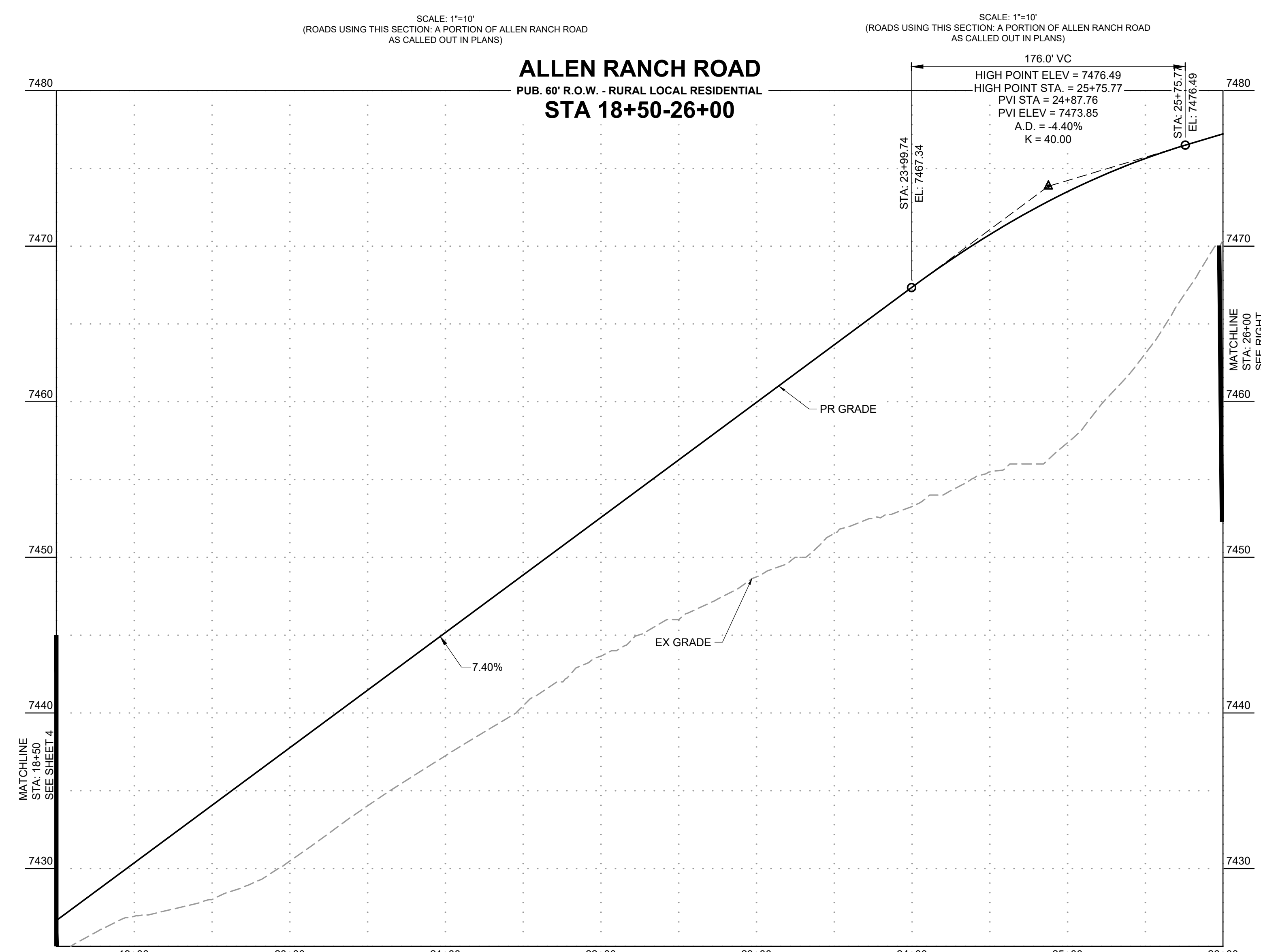


Curve Table

Curve #	Length	Radius	Delta
C1	34.56	22.00	90°00'00"
C2	34.56	22.00	90°00'00"

POINT TABLE

No.	DESC.	ALIGNMENT	STATION	OFFSET	FL EL.
11	END FL TRANSITION	Allen Ranch Road	STA 26+12.67	29.0' L	7474.07
12	SWALE FL	Quartz Creek Drive	STA 34+82.20	30.3' R	7474.51
13	SWALE FL	Quartz Creek Drive	STA 34+83.03	31.1' L	7474.79
14	PCR	Allen Ranch Road	STA 27+22.75	14.0' L	7479.70
15	PCR	Allen Ranch Road	STA 27+00.75	36.0' L	7479.17
16	PCR	Allen Ranch Road	STA 26+72.75	36.0' L	7479.17
17	PCR	Allen Ranch Road	STA 26+50.75	14.0' L	7478.46
18	BEGIN FL TRANSITION	Allen Ranch Road	STA 27+90.81	26.0' L	7480.13
19	END FL TRANSITION	Quartz Creek Drive	STA 34+16.90	26.0' L	7476.02
20	BEGIN FL TRANSITION	Quartz Creek Drive	STA 34+16.34	26.0' R	7476.02
103	END FL TRANSITION	Allen Ranch Road	STA 26+13.83	30.1' R	7474.56
104	TRAIL CROSSING	Allen Ranch Road	STA 26+29.42	30.0' R	7477.89
105	BEGIN FL TRANSITION	Allen Ranch Road	STA 26+42.79	30.1' R	7475.45
106	TRAIL CROSSING	Allen Ranch Road	STA 26+29.42	29.1' L	7477.78



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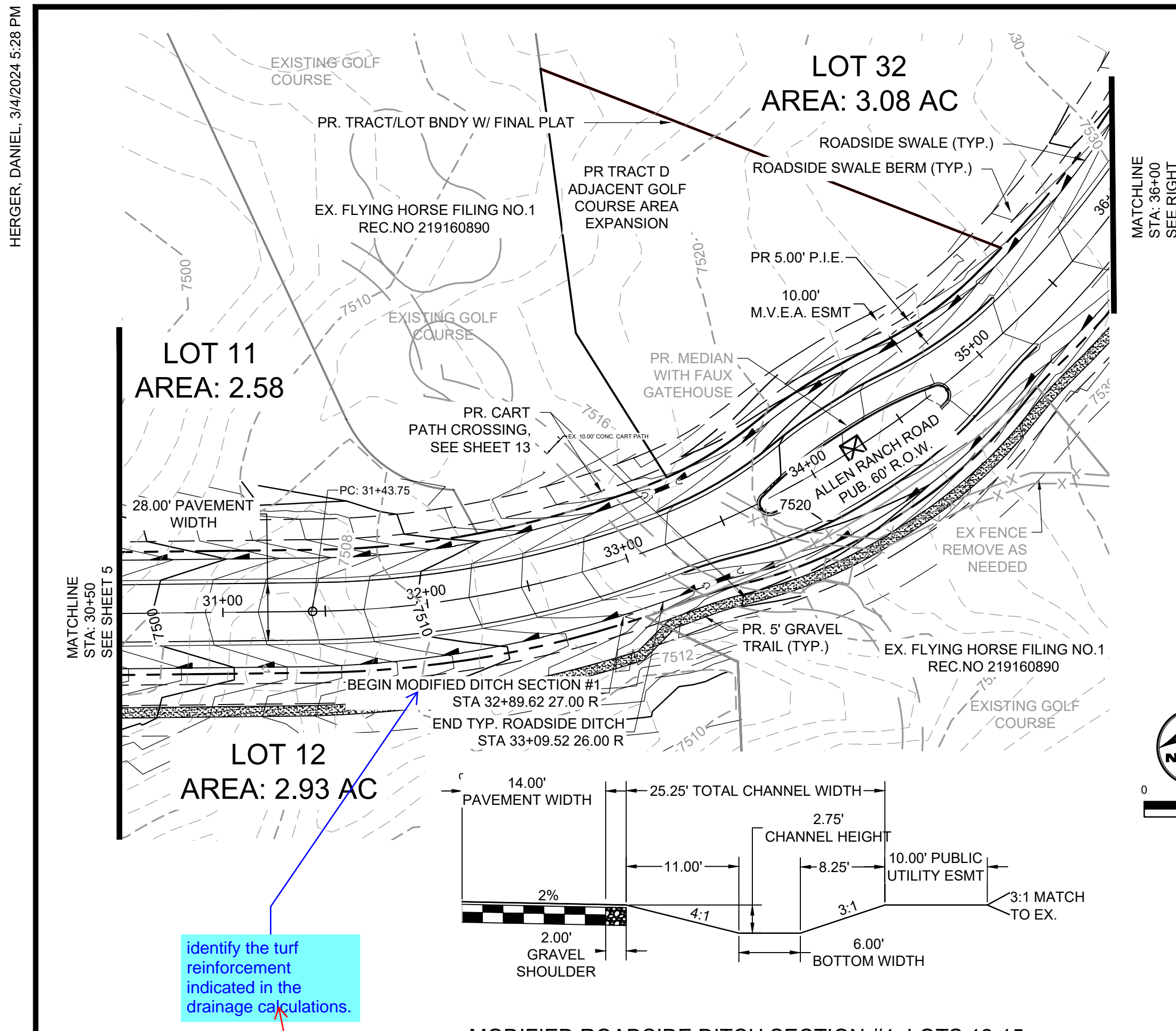
NO.	DATE	BY	REVISION DESCRIPTION

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 COLORADO SPRINGS, CO 80920
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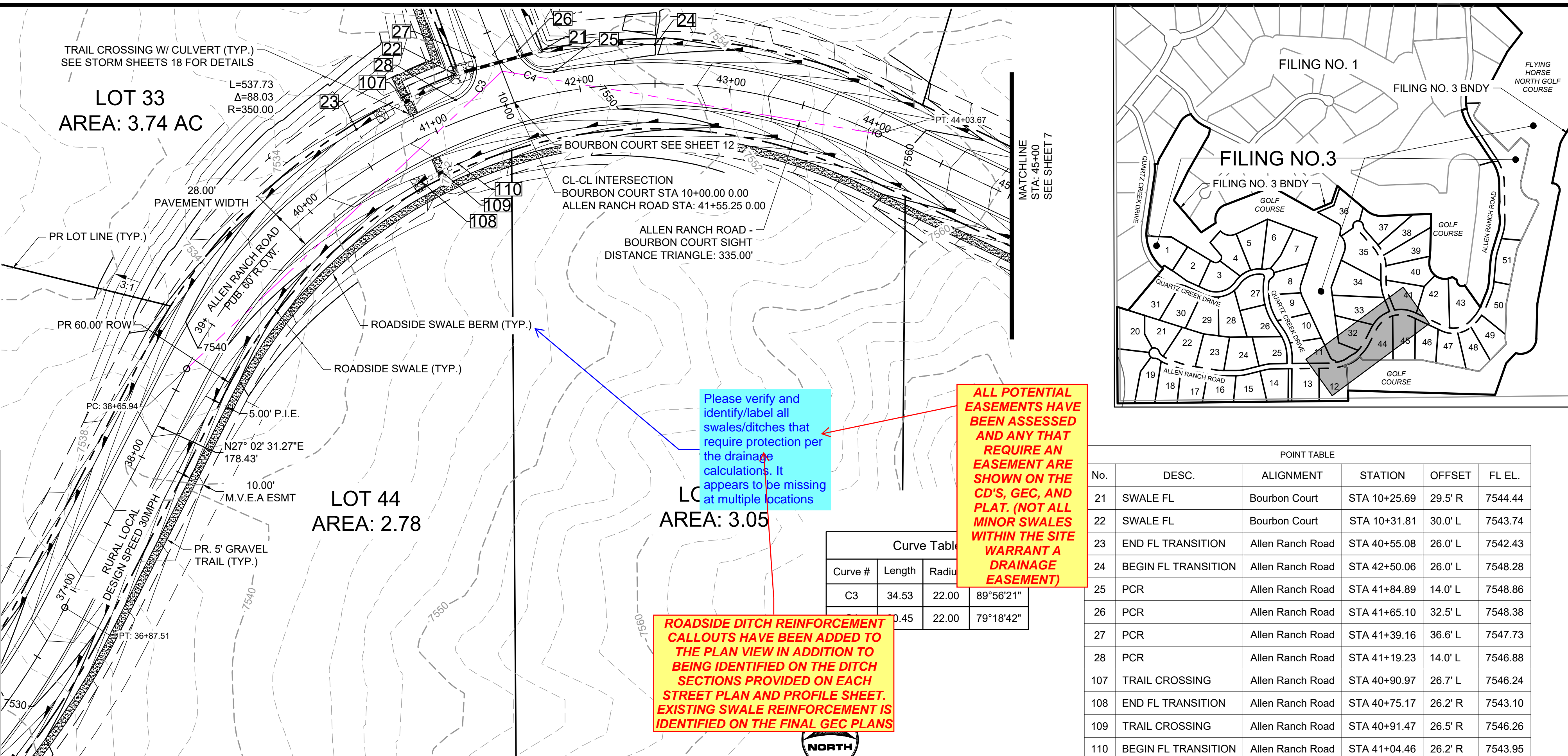
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 EL PASO COUNTY, CO

STREET PLAN & PROFILE
 ALLEN RANCH ROAD

SHEET
 ST
 5



MODIFIED ROADSIDE DITCH SECTION #1: LOTS 12-15



Please verify and identify/label all swales/ditches that require protection per the drainage calculations. It appears to be missing at multiple locations

ALL POTENTIAL EASEMENTS HAVE BEEN ASSESSED AND ANY THAT REQUIRE AN EASEMENT ARE SHOWN ON THE CD'S, GEC, AND PLAT. (NOT ALL MINOR SWALES WITHIN THE SITE WARRANT A DRAINAGE EASEMENT)

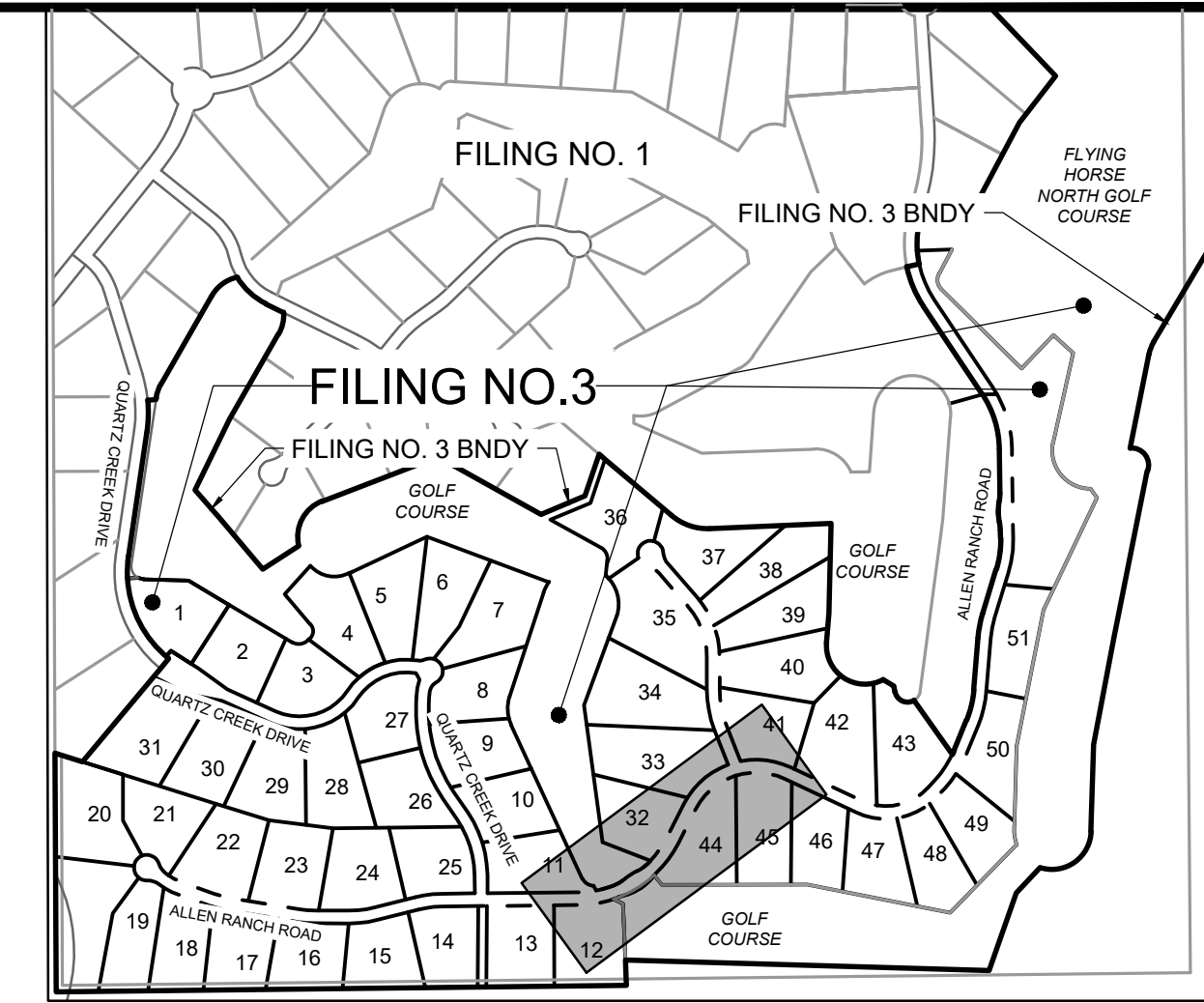
ROADSIDE DITCH REINFORCEMENT CALLOUTS HAVE BEEN ADDED TO THE PLAN VIEW IN ADDITION TO BEING IDENTIFIED ON THE DITCH SECTIONS PROVIDED ON EACH STREET PLAN AND PROFILE SHEET. EXISTING SWALE REINFORCEMENT IS IDENTIFIED ON THE FINAL GEC PLANS

Curve Table

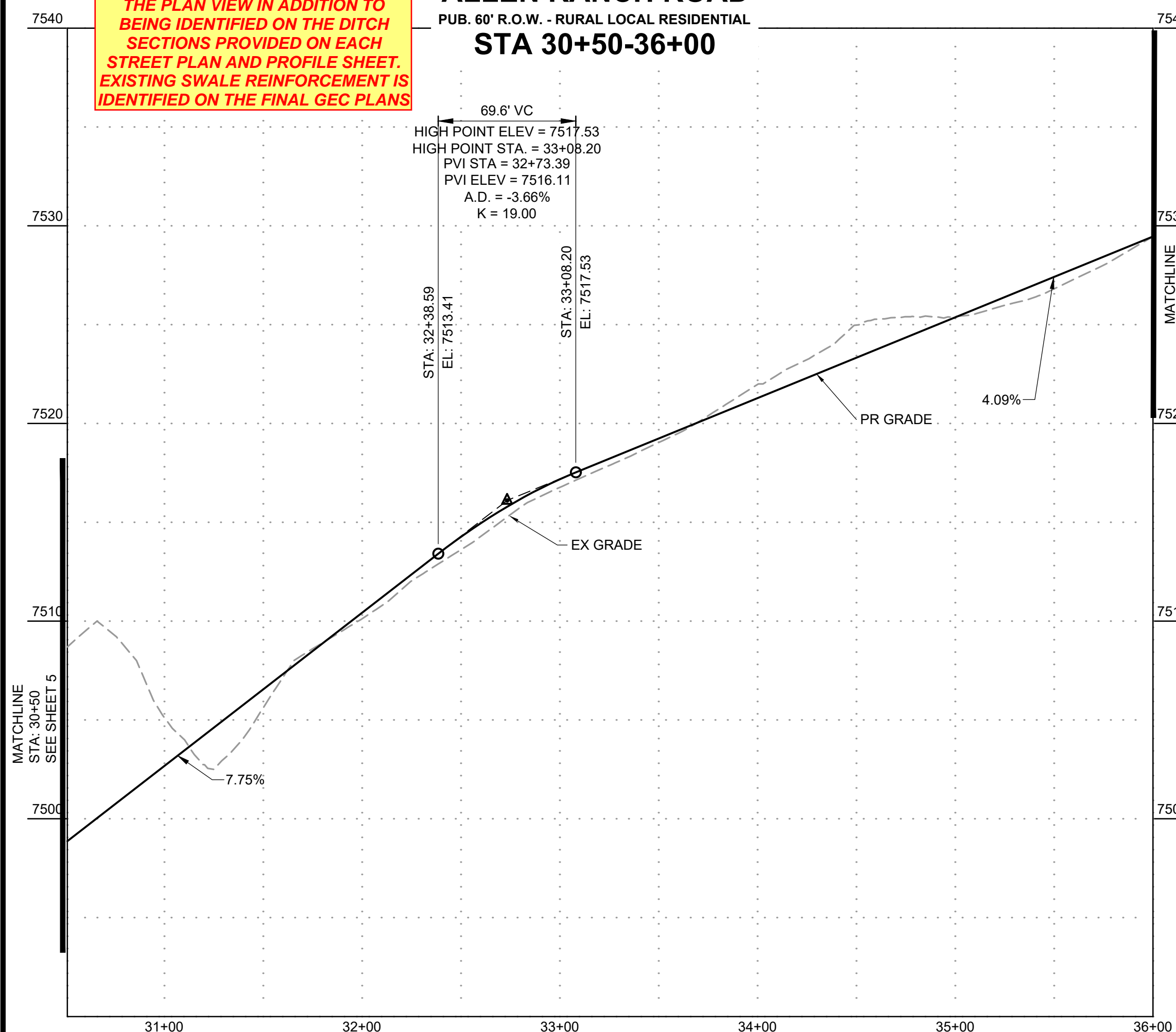
Curve #	Length	Radius	Δ
C3	34.53	22.00	89°56'21"
	0.45	22.00	79°18'42"

POINT TABLE

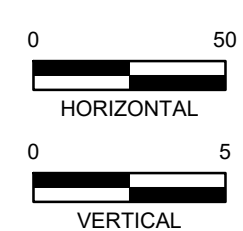
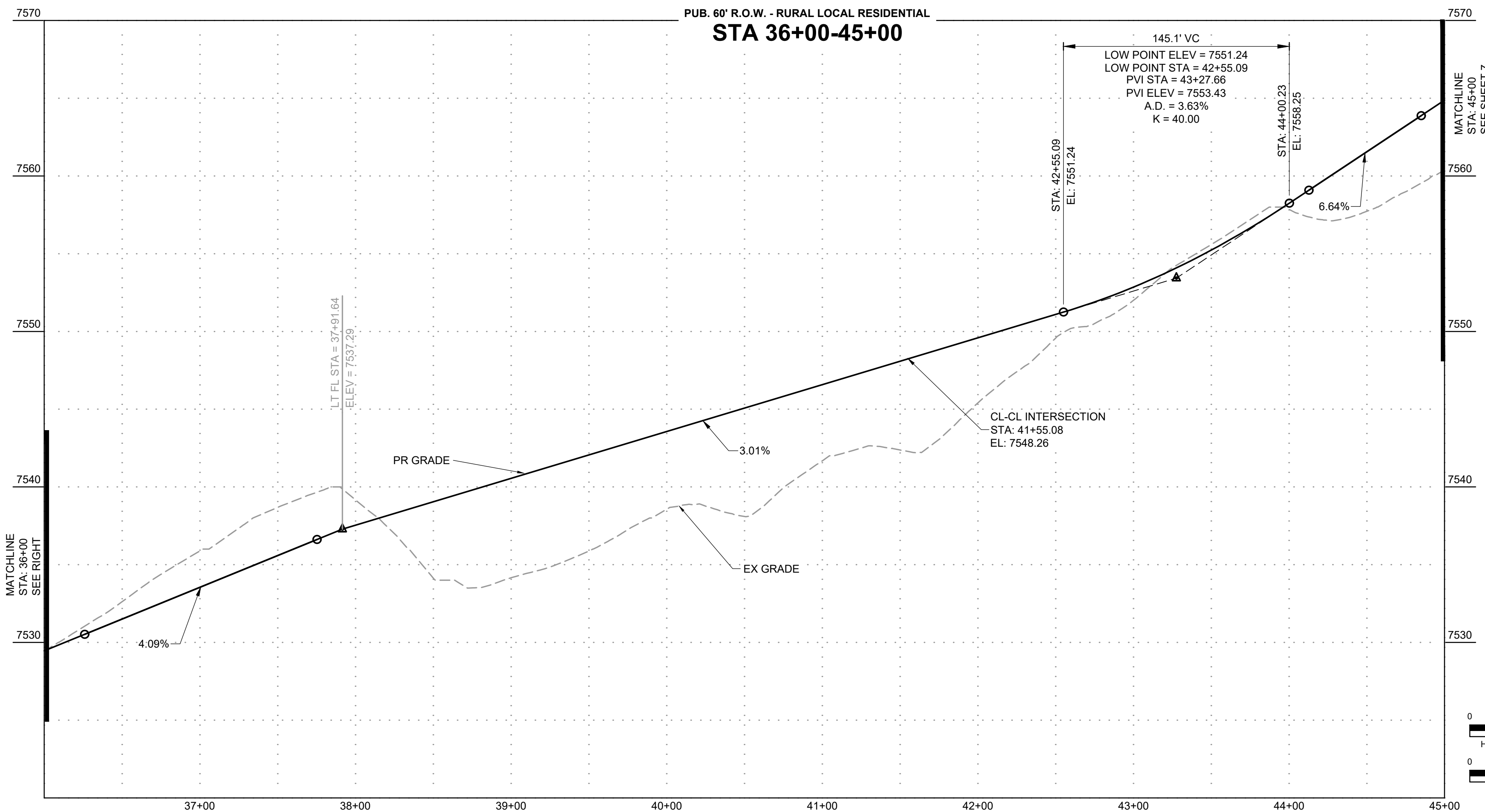
No.	DESC.	ALIGNMENT	STATION	OFFSET	FL EL.
21	SWALE FL	Bourbon Court	STA 10+25.69	29.5' R	7544.44
22	SWALE FL	Bourbon Court	STA 10+31.81	30.0' L	7543.74
23	END FL TRANSITION	Allen Ranch Road	STA 40+55.08	26.0' L	7542.43
24	BEGIN FL TRANSITION	Allen Ranch Road	STA 42+50.06	26.0' L	7548.28
25	PCR	Allen Ranch Road	STA 41+84.89	14.0' L	7548.86
26	PCR	Allen Ranch Road	STA 41+65.10	32.5' L	7548.38
27	PCR	Allen Ranch Road	STA 41+39.16	36.6' L	7547.73
28	PCR	Allen Ranch Road	STA 41+19.23	14.0' L	7546.88
107	TRAIL CROSSING	Allen Ranch Road	STA 40+90.97	26.7' L	7546.24
108	END FL TRANSITION	Allen Ranch Road	STA 40+75.17	26.2' R	7543.10
109	TRAIL CROSSING	Allen Ranch Road	STA 40+91.47	26.5' R	7546.26
110	BEGIN FL TRANSITION	Allen Ranch Road	STA 41+04.46	26.2' R	7543.95



ALLEN RANCH ROAD
PUB. 60' R.O.W. - RURAL LOCAL RESIDENTIAL
STA 30+50-36+00



ALLEN RANCH ROAD
PUB. 60' R.O.W. - RURAL LOCAL RESIDENTIAL
STA 36+00-45+00



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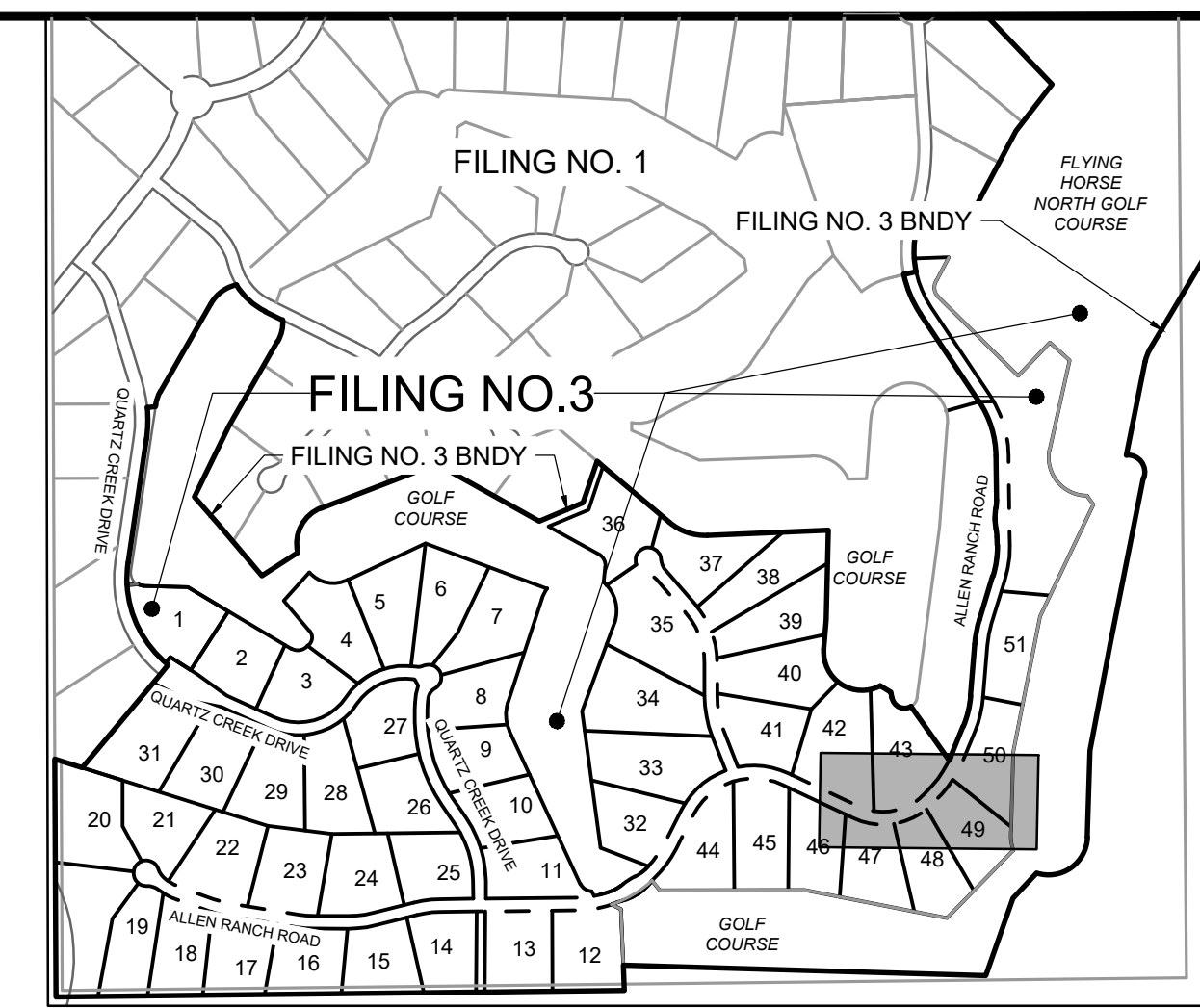
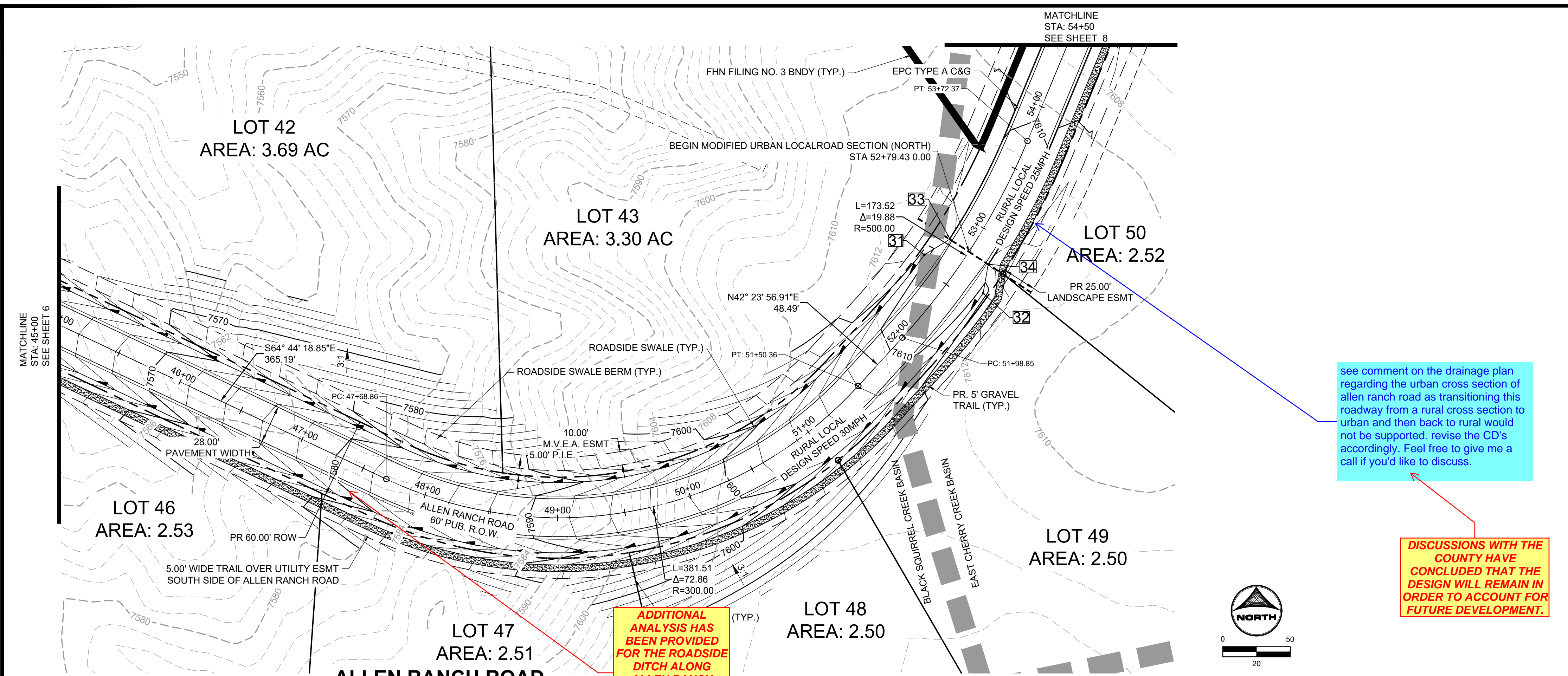
NO.	DATE	BY	REVISION DESCRIPTION

HR GREEN - COLORADO SPRINGS
1975 RESEARCH PARKWAY SUITE 230
COLORADO SPRINGS, CO 80920
PHONE: 719.300.4140
FAX: 719.965.0044

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EL PASO COUNTY, CO

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ALLEN RANCH ROAD

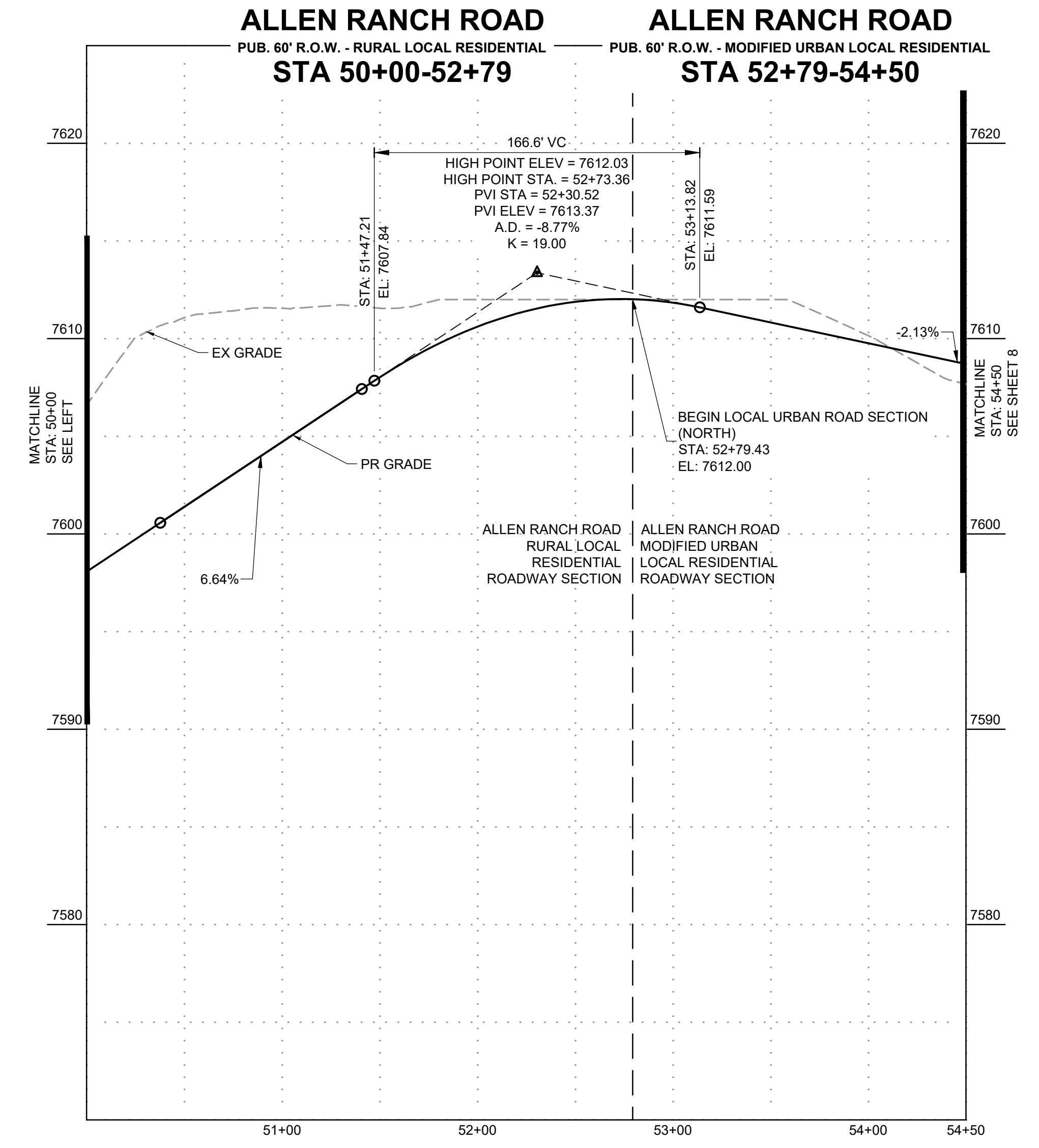
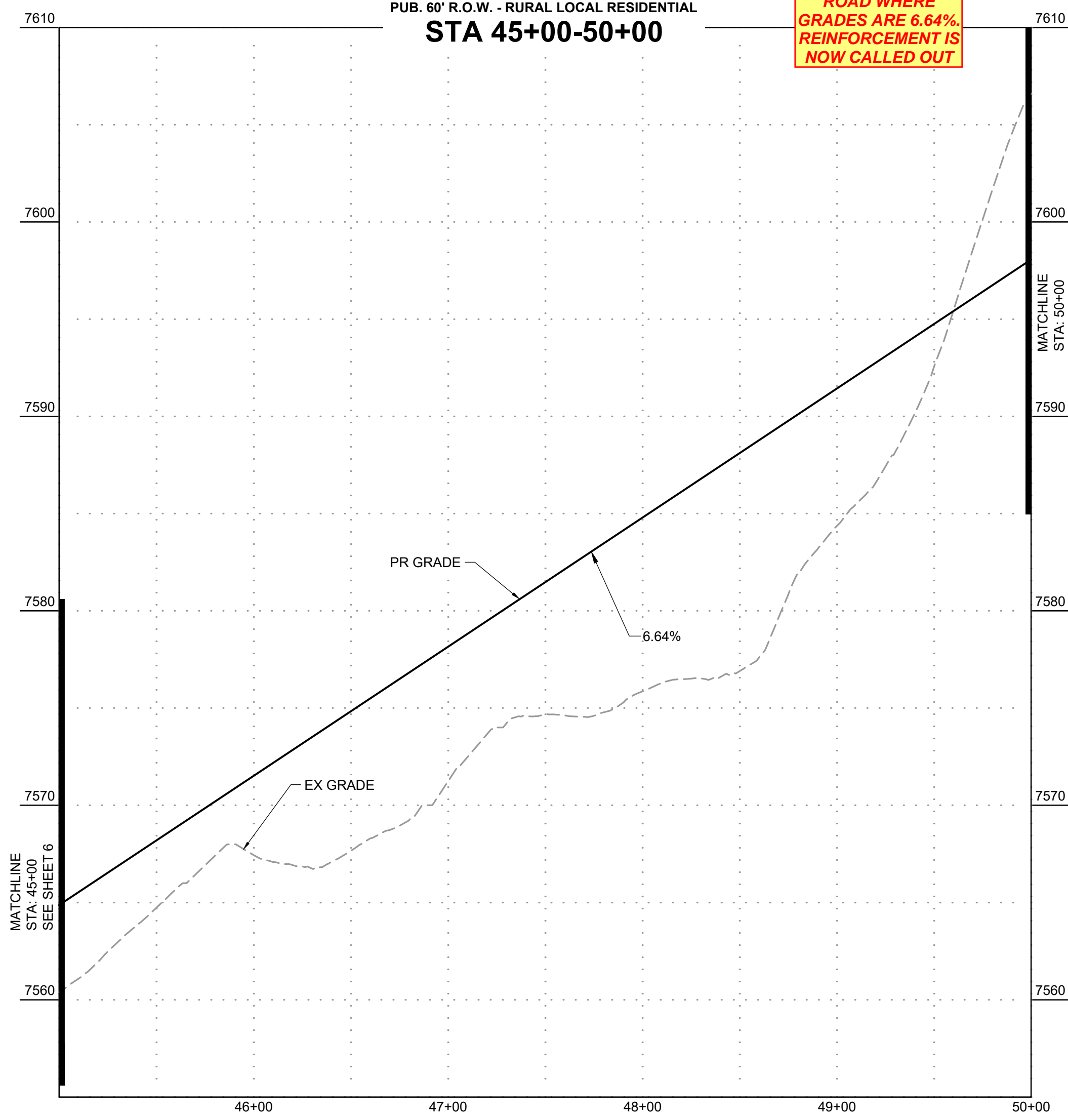
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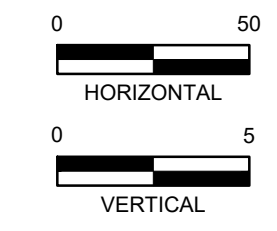
see comment on the drainage plan regarding the urban cross section of allen ranch road as transitioning this roadway from a rural cross section to urban and then back to rural would not be supported. revise the CD's accordingly. Feel free to give me a call if you'd like to discuss.

DISCUSSIONS WITH THE COUNTY HAVE CONCLUDED THAT THE DESIGN WILL REMAIN IN ORDER TO ACCOUNT FOR FUTURE DEVELOPMENT.

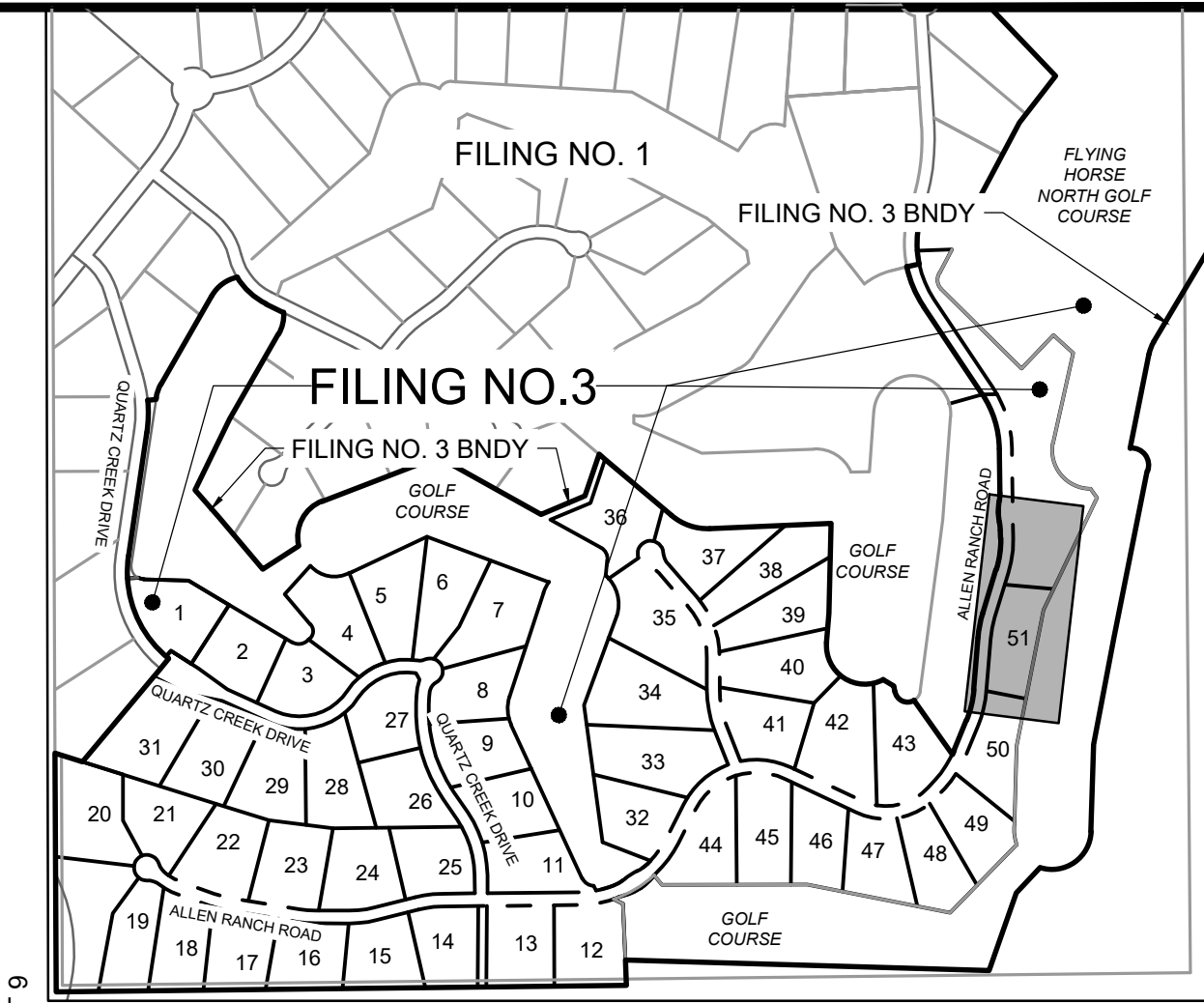
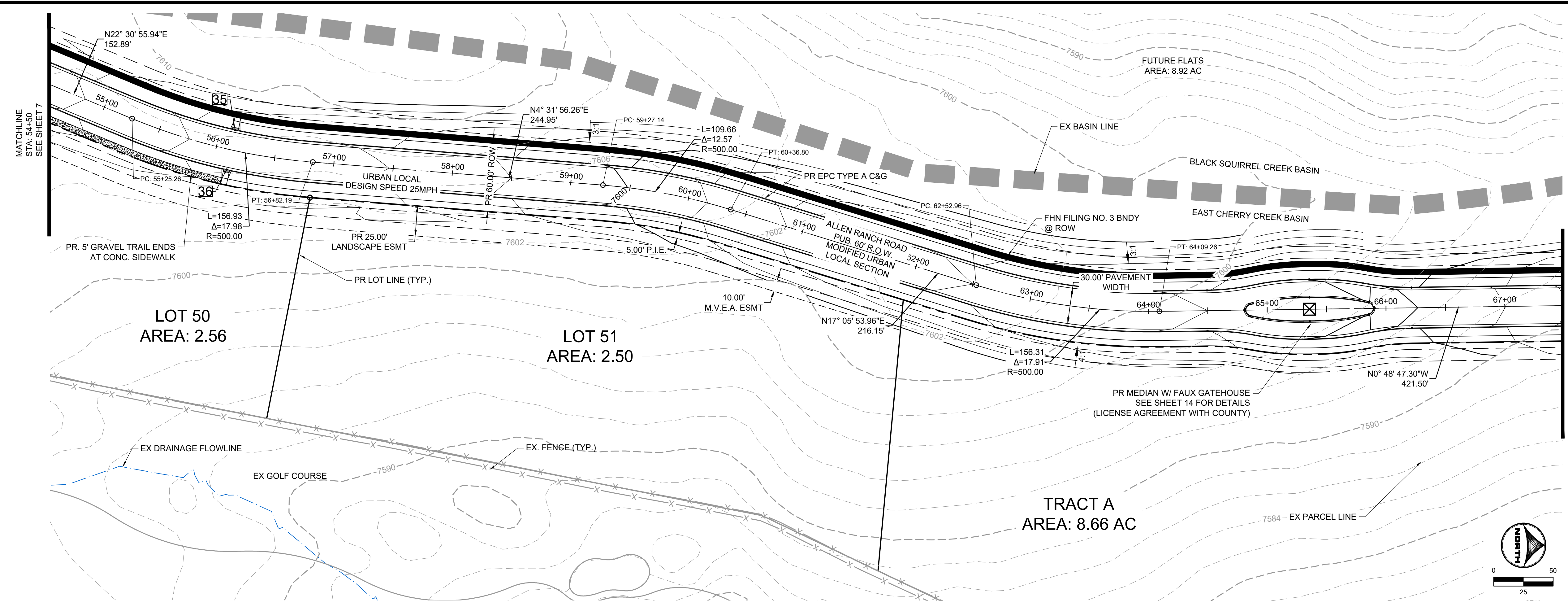
ADDITIONAL ANALYSIS HAS BEEN PROVIDED FOR THE ROADSIDE DITCH ALONG ALLEN RANCH ROAD WHERE GRADES ARE 6.64%. REINFORCEMENT IS NOW CALLED OUT



POINT TABLE					
No.	DESC.	ALIGNMENT	STATION	OFFSET	FL E.L.
31	BEGIN FL TRANSITION	Allen Ranch Road	STA 52+58.33	26.0' L	7609.17
32	BEGIN FL TRANSITION	Allen Ranch Road	STA 52+60.42	26.0' R	7609.16
33	END FL TRANSITION/ BEGIN TYPE A C&G	Allen Ranch Road	STA 52+79.71	17.0' L	7611.55
34	END FL TRANSITION/ BEGIN TYPE A C&G	Allen Ranch Road	STA 52+79.43	17.0' R	7611.55

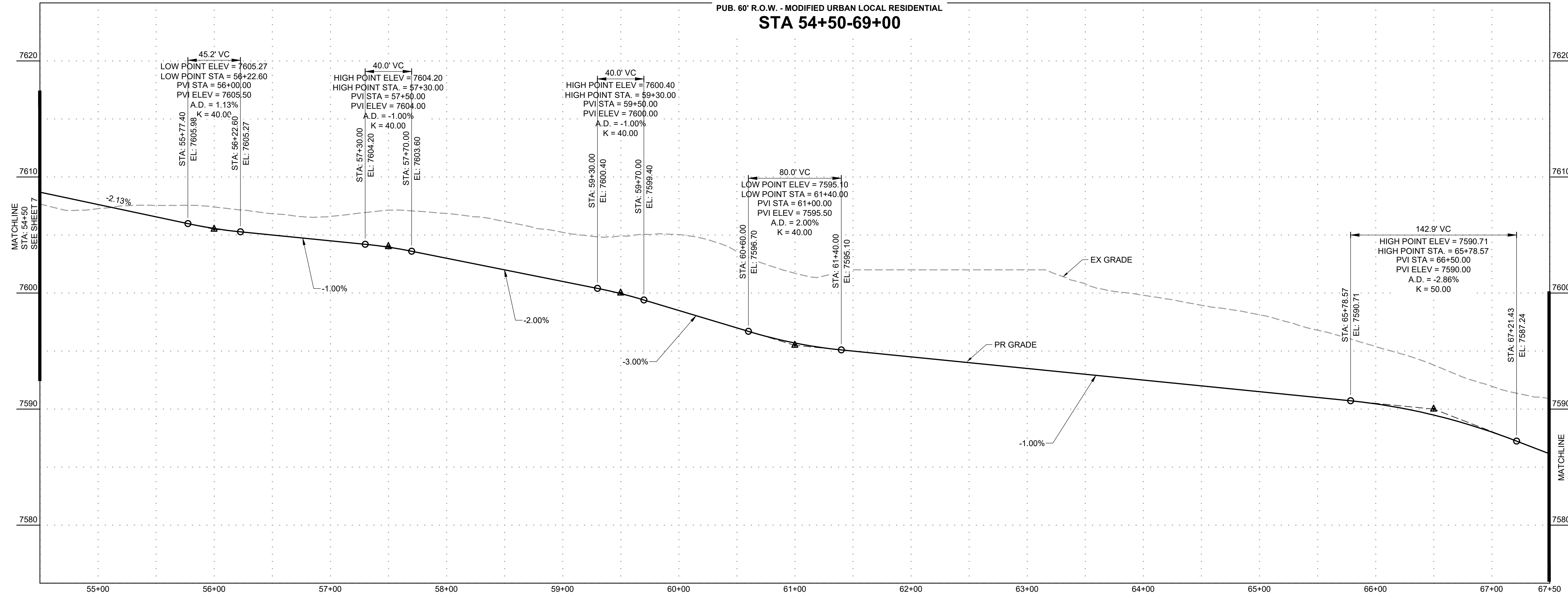


NO.	DATE	BY	REVISION DESCRIPTION



POINT TABLE					
No.	DESC.	ALIGNMENT	STATION	OFFSET	FL EL.
35	HC RAMP MP	Allen Ranch Road	STA 56+12.42	17.0' L	7604.92
36	HC RAMP MP	Allen Ranch Road	STA 56+12.61	17.0' R	7604.95

ALLEN RANCH ROAD
 PUB. 60' R.O.W. - MODIFIED URBAN LOCAL RESIDENTIAL
 STA 54+50-69+00



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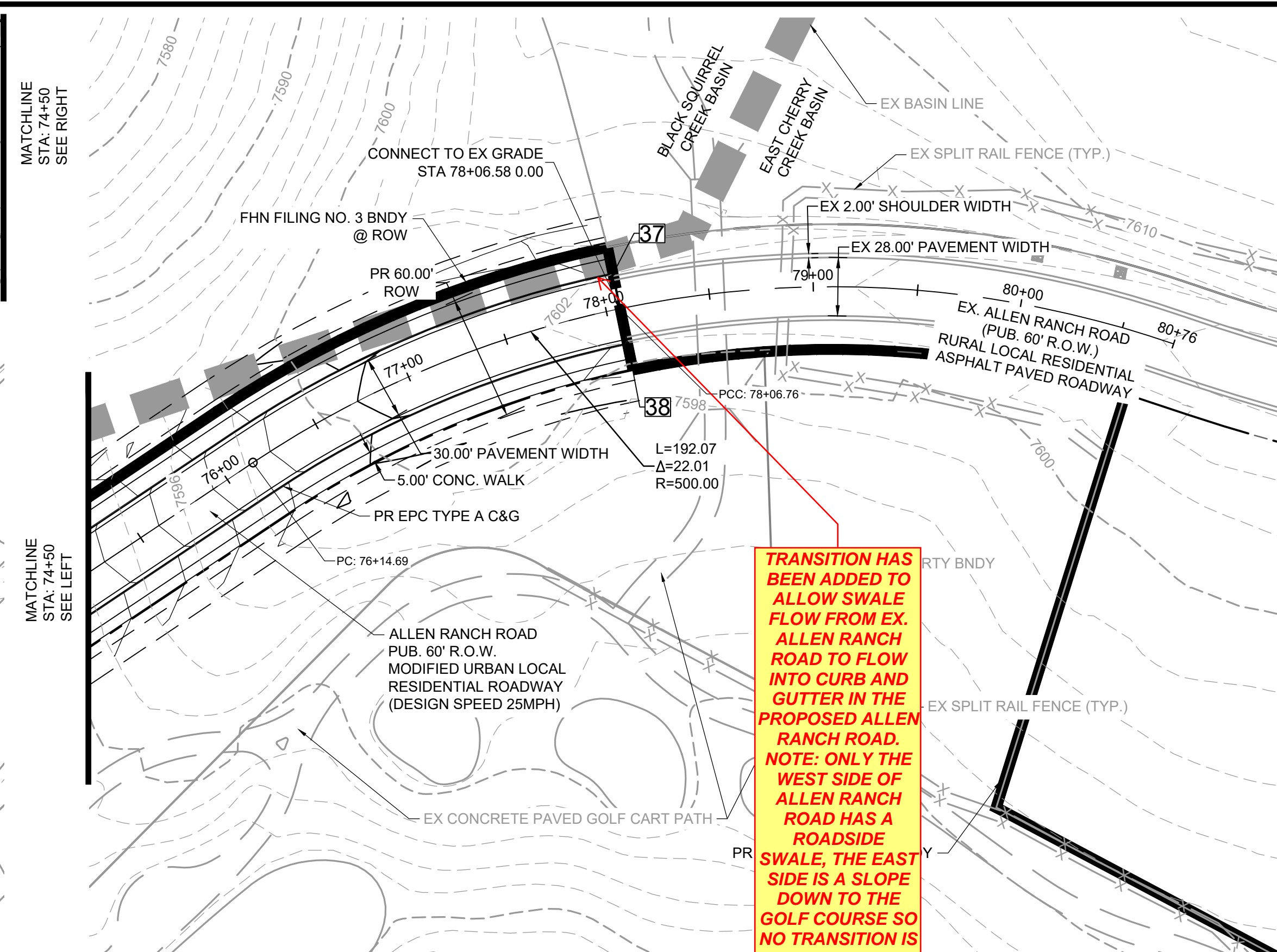
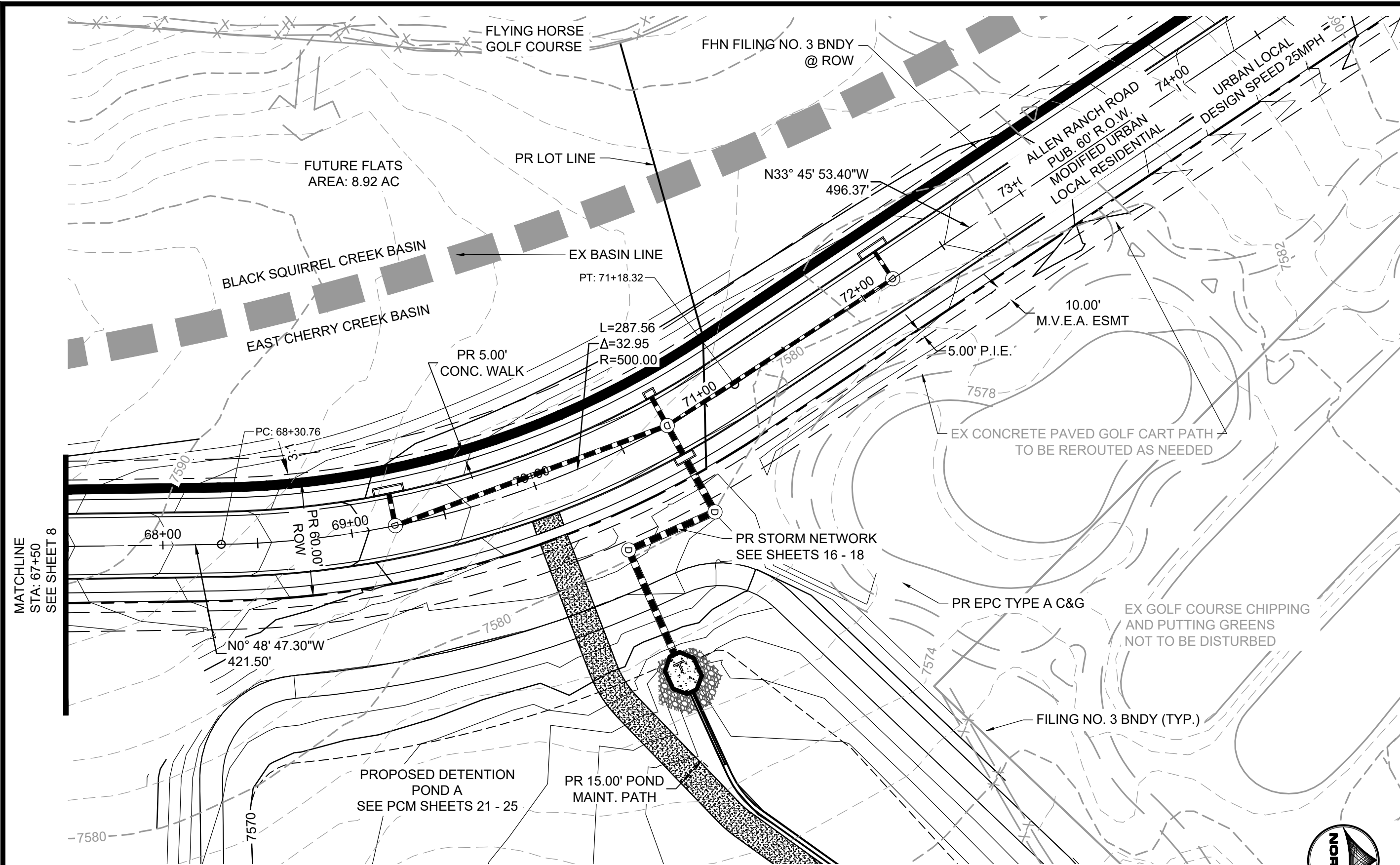
NO.	DATE	BY	REVISION DESCRIPTION

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 1975 RESEARCH PARKWAY SUITE 230
 COLORADO SPRINGS, CO 80920
 PHONE: 719.300.4140
 FAX: 713.965.0044

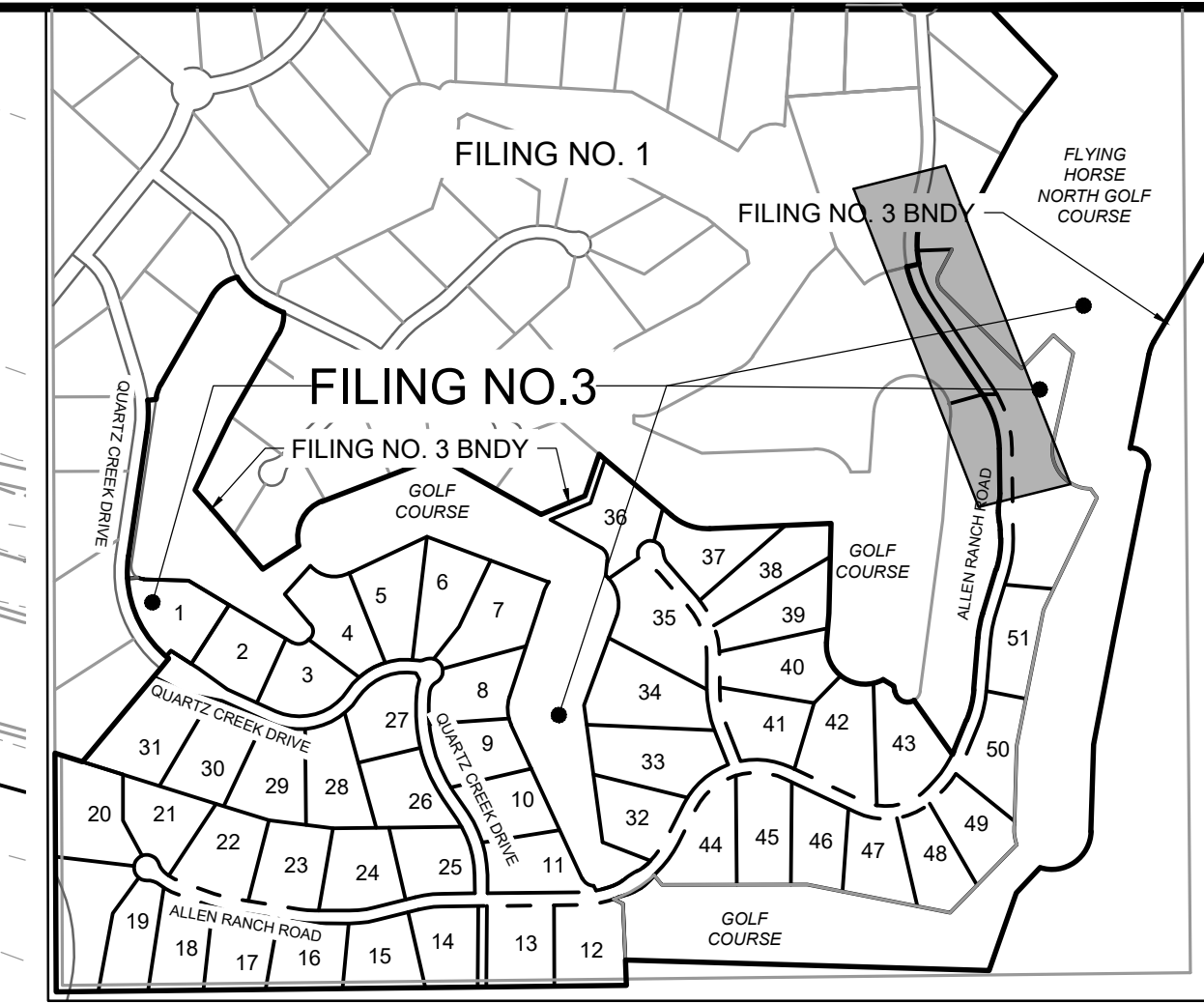
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 EL PASO COUNTY, CO

STREET PLAN & PROFILE
ALLEN RANCH ROAD

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8

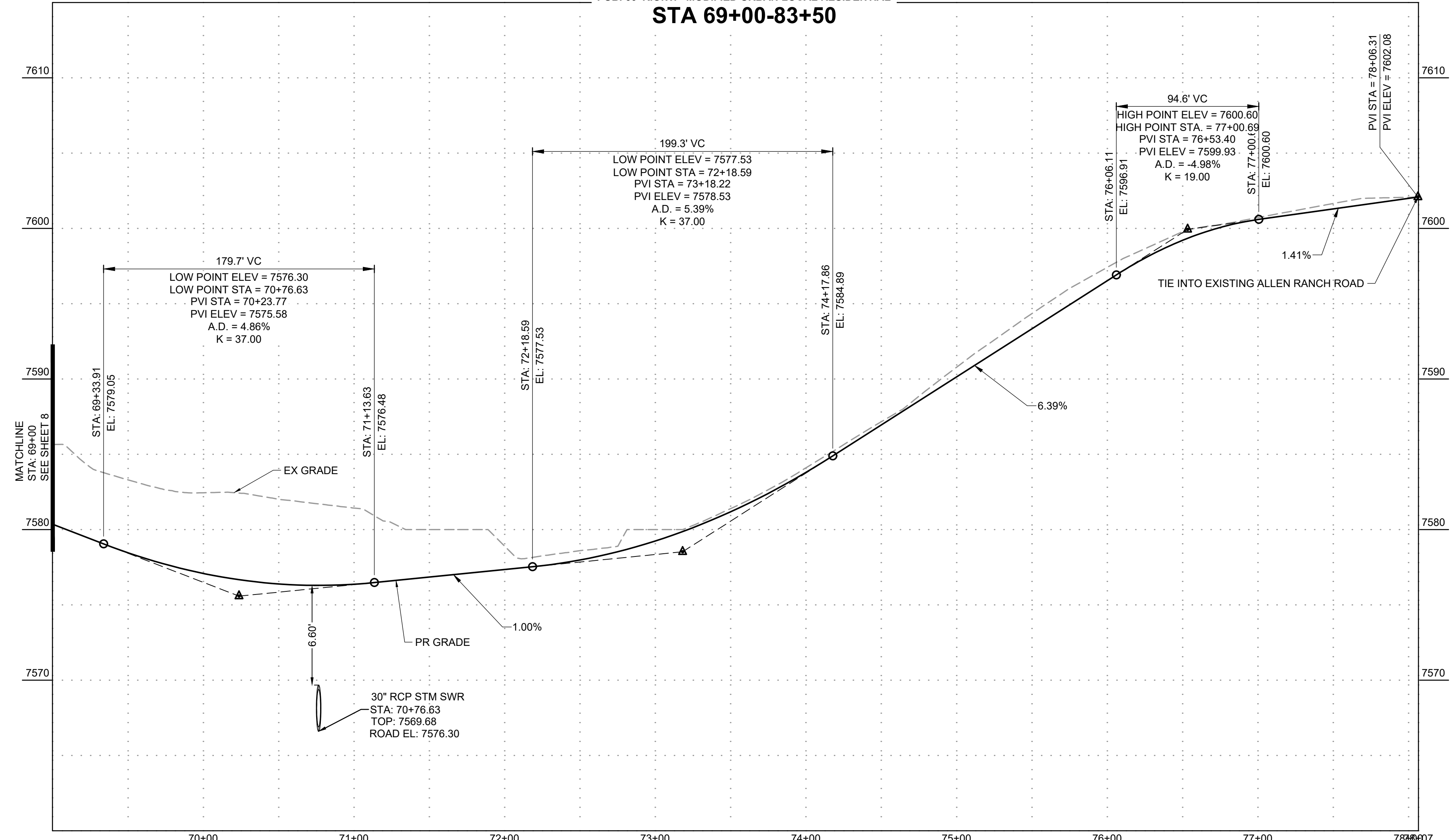


TRANSITION HAS BEEN ADDED TO ALLOW SWALE FLOW FROM EX. ALLEN RANCH ROAD TO FLOW INTO CURB AND GUTTER IN THE PROPOSED ALLEN RANCH ROAD. NOTE: ONLY THE WEST SIDE OF ALLEN RANCH ROAD HAS A ROADSIDE SWALE, THE EAST SIDE IS A SLOPE DOWN TO THE GOLF COURSE SO NO TRANSITION IS NEEDED ON THAT SIDE.



POINT TABLE					
No.	DESC.	ALIGNMENT	STATION	OFFSET	FL EL.
37	MATCH EX ±	Allen Ranch Road	STA 78+06.76	17.0' L	7602.00
38	MATCH EX ±	Allen Ranch Road	STA 78+06.76	17.0' R	7601.95

ALLEN RANCH ROAD
 PUB. 60' R.O.W. - MODIFIED URBAN LOCAL RESIDENTIAL
STA 69+00-83+50



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NO.	DATE	BY	REVISION DESCRIPTION

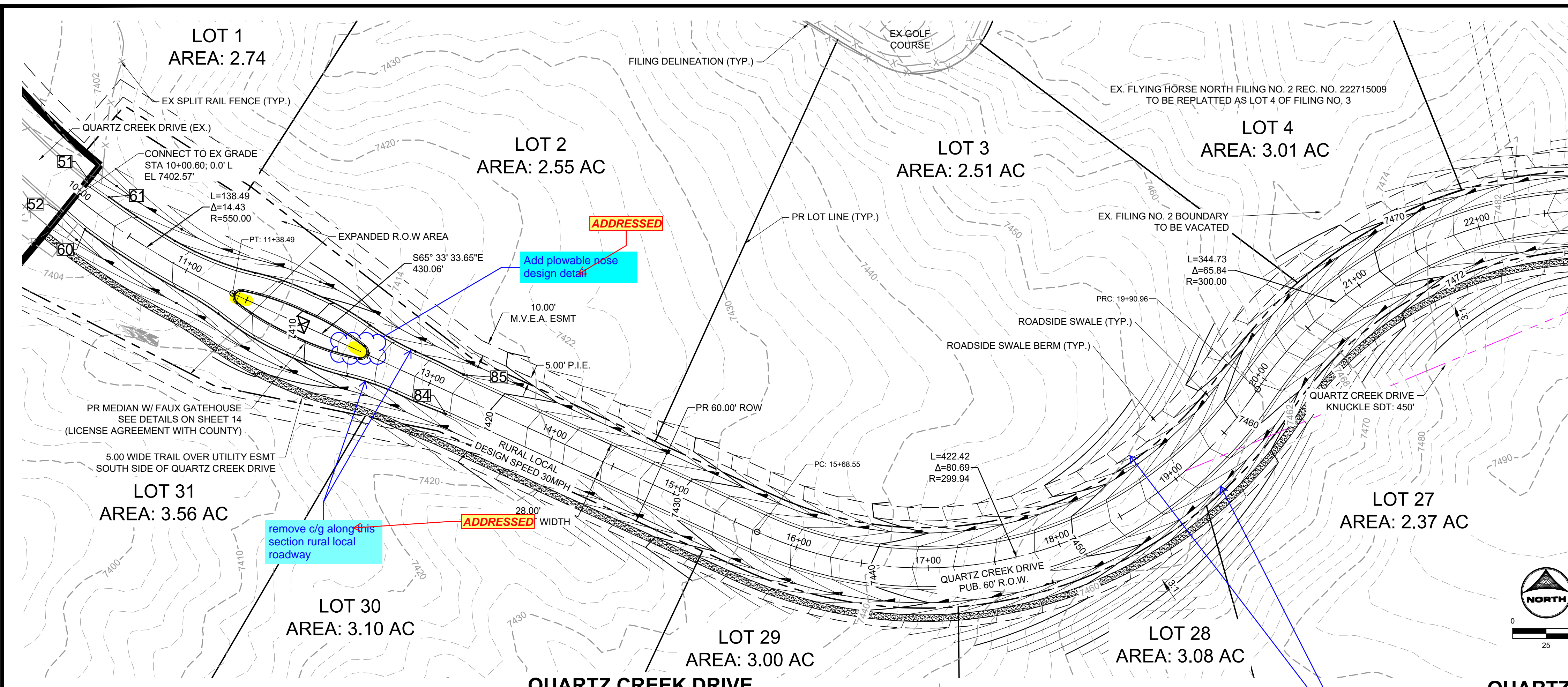
HRGreen
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 PHONE: 719.300.4140
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 EL PASO COUNTY, CO

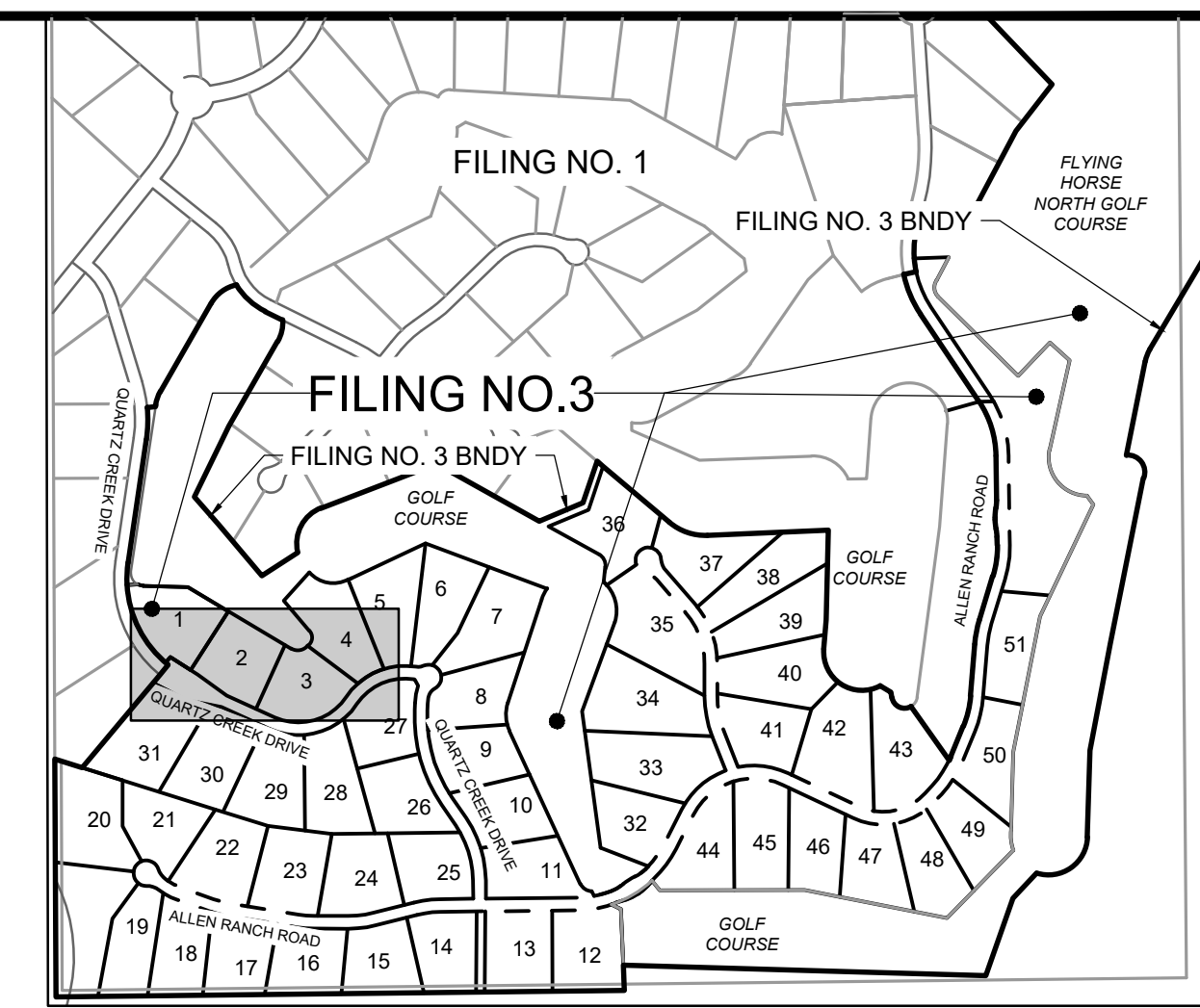
STREET PLAN & PROFILE
ALLEN RANCH ROAD

SHEET
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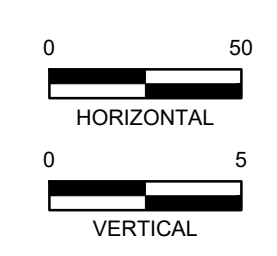
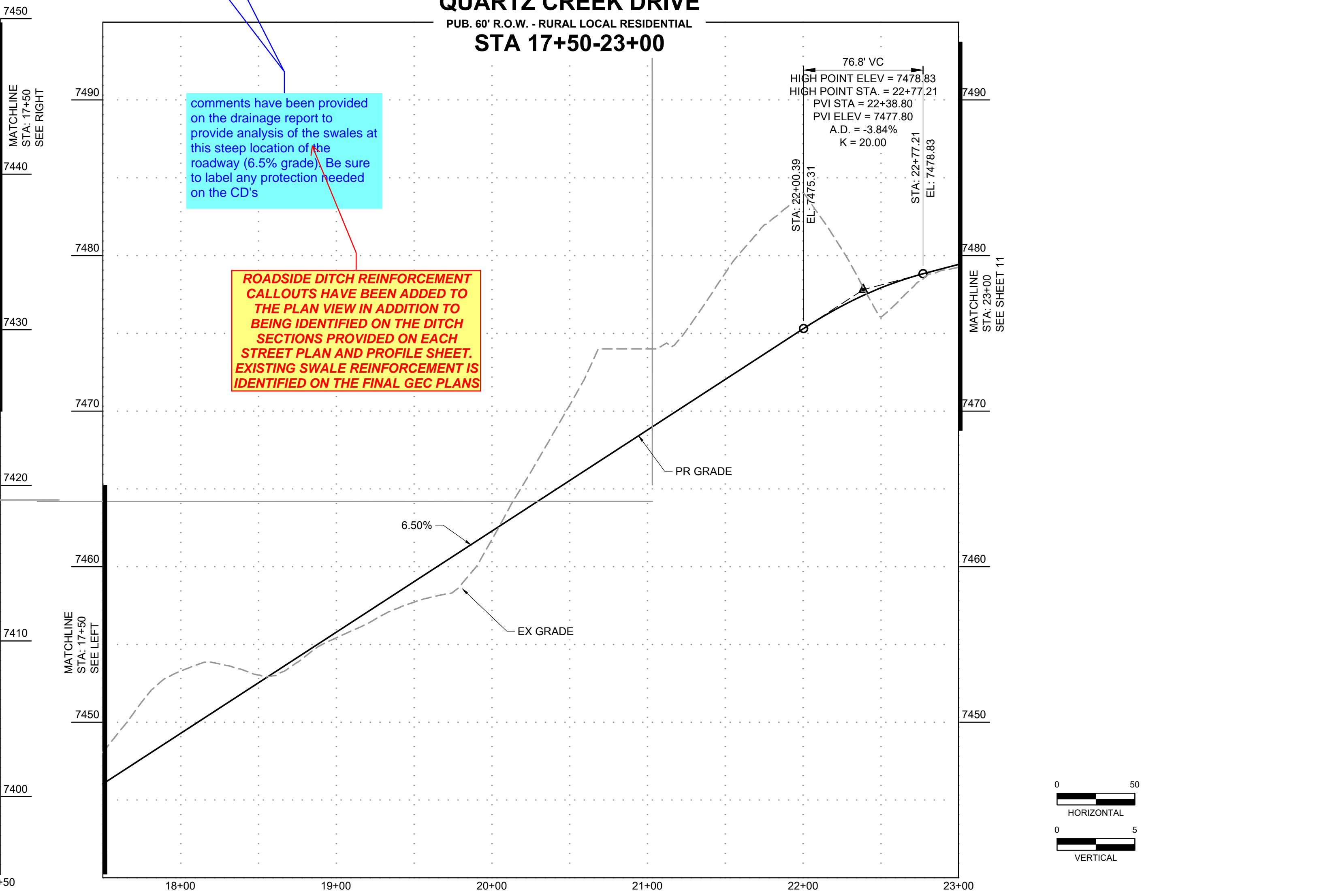
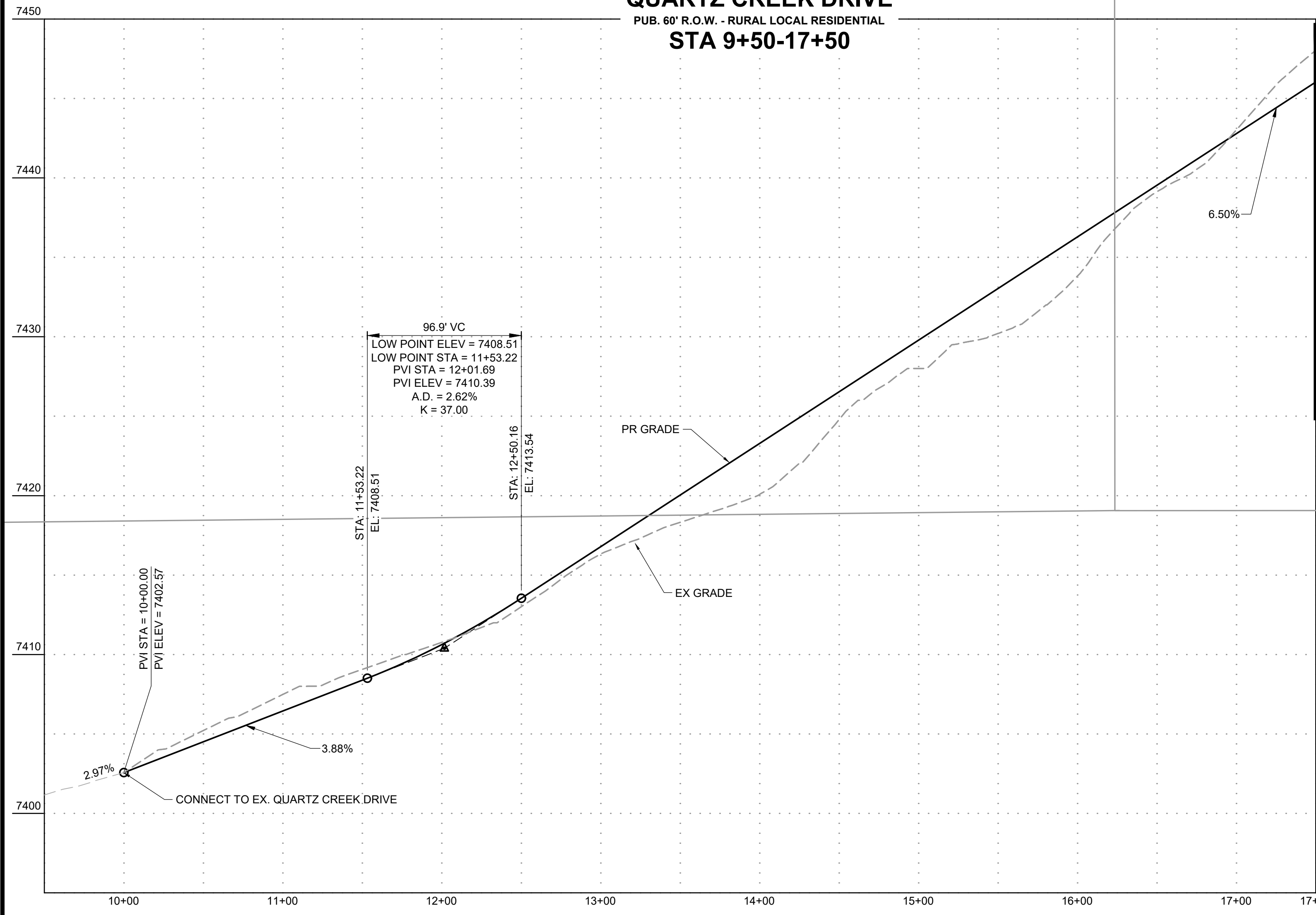
HERGER, DANIEL, 3/4/2024 5:28 PM



MATCHLINE
STA. 23+00
SEE SHEET 11



POINT TABLE					
No.	DESC.	ALIGNMENT	STATION	OFFSET	FL EL.
51	MATCH EX ±	Quartz Creek Drive	STA 10+00.30	16.0' L	7402.53
52	MATCH EX ±	Quartz Creek Drive	STA 10+00.89	16.0' R	7402.55
60	BEGIN TYPE A C&G	Quartz Creek Drive	STA 10+20.58	15.0' R	7402.95
61	BEGIN TYPE A C&G	Quartz Creek Drive	STA 10+20.58	15.0' L	7402.94
84	END TYPE A C&G	Quartz Creek Drive	STA 13+20.47	16.0' R	7417.67
85	END TYPE A C&G	Quartz Creek Drive	STA 13+20.47	16.0' L	7417.67



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 PRI #2, LLC.
 EL PASO COUNTY, CO

STREET PLAN & PROFILE
 QUARTZ CREEK DRIVE

SHEET
 ST 10

HR GREEN Xrefs: xc-dgn-030, 2022, xc-row-030, 2022, xg-1-dn-01, 0330, xc-row-030, 2022, xv-dgn-030, key_map, modified_ditch_sections

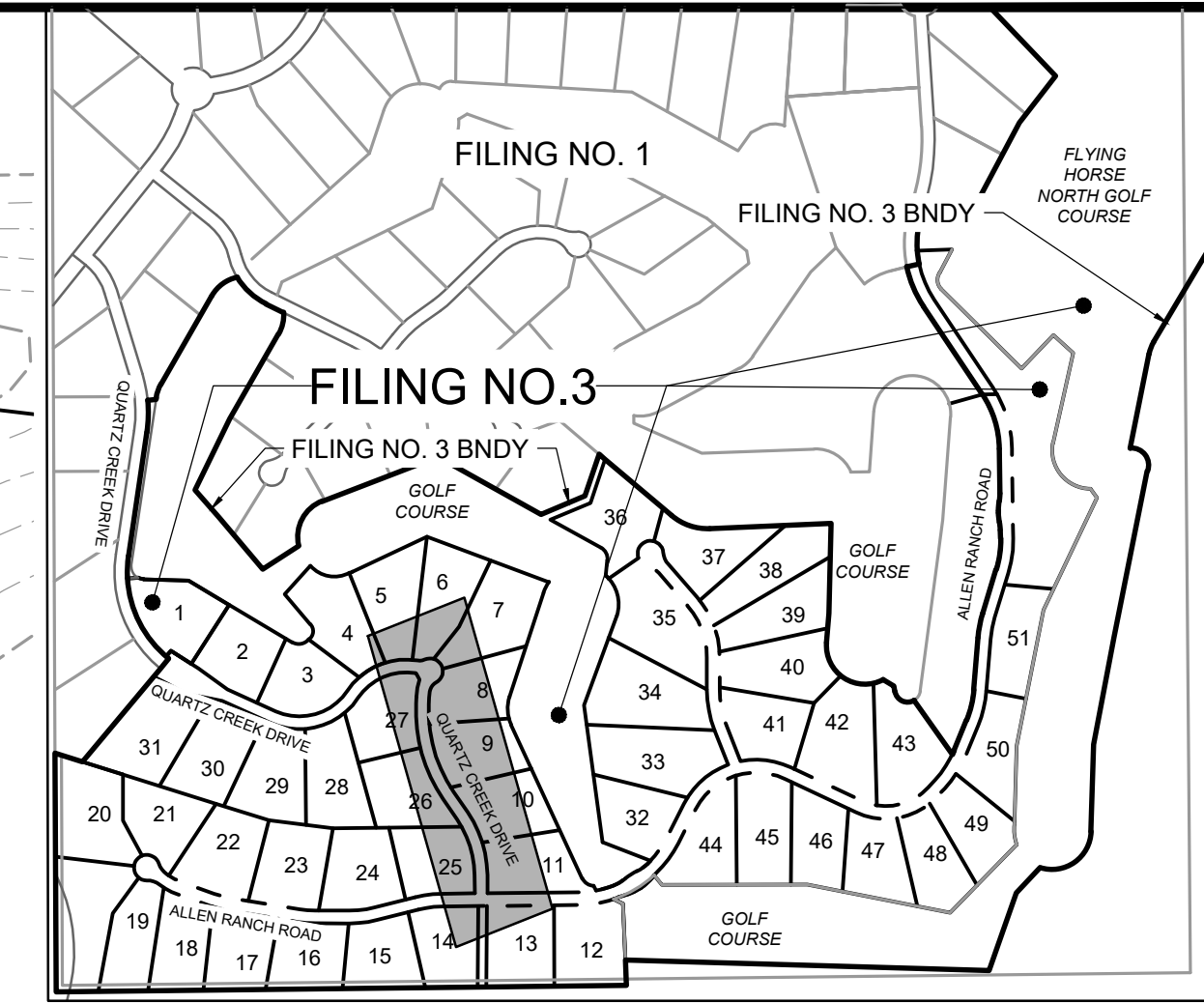
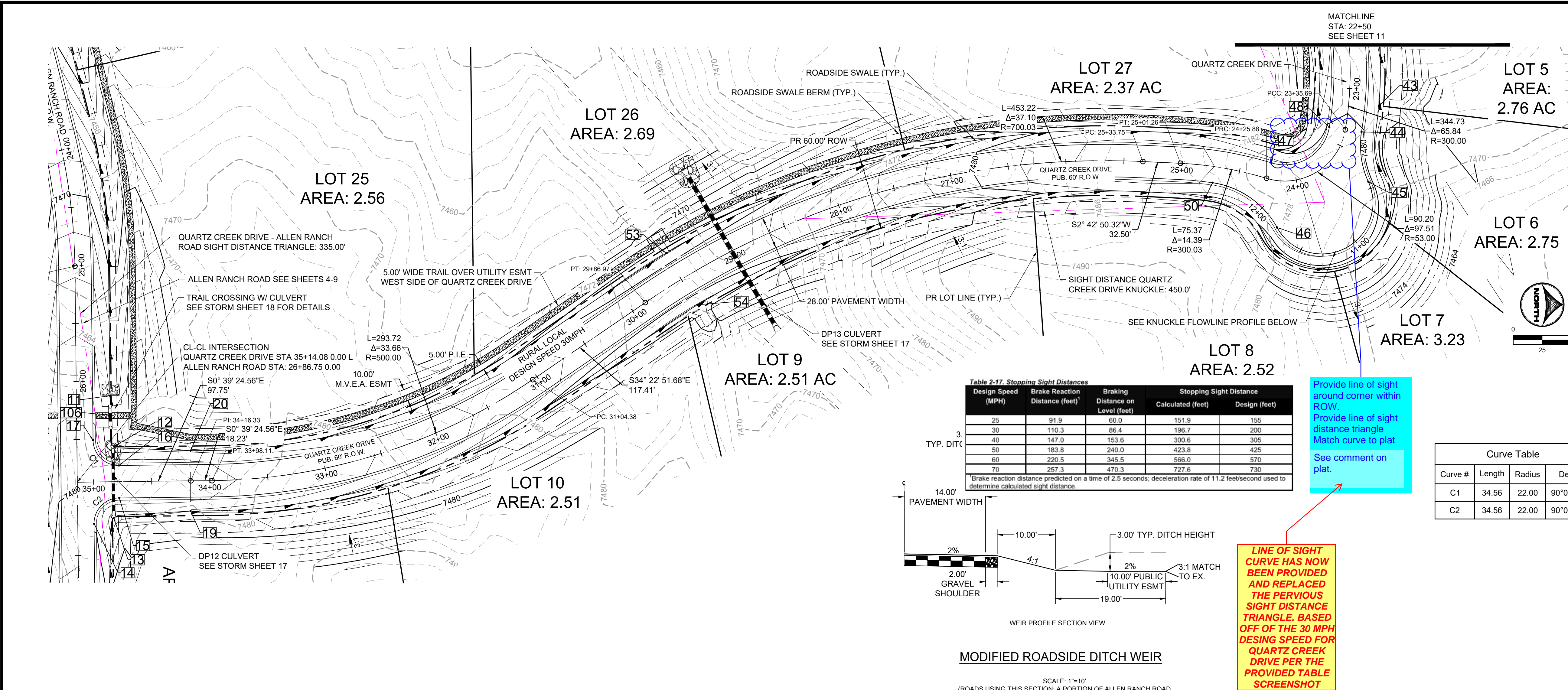


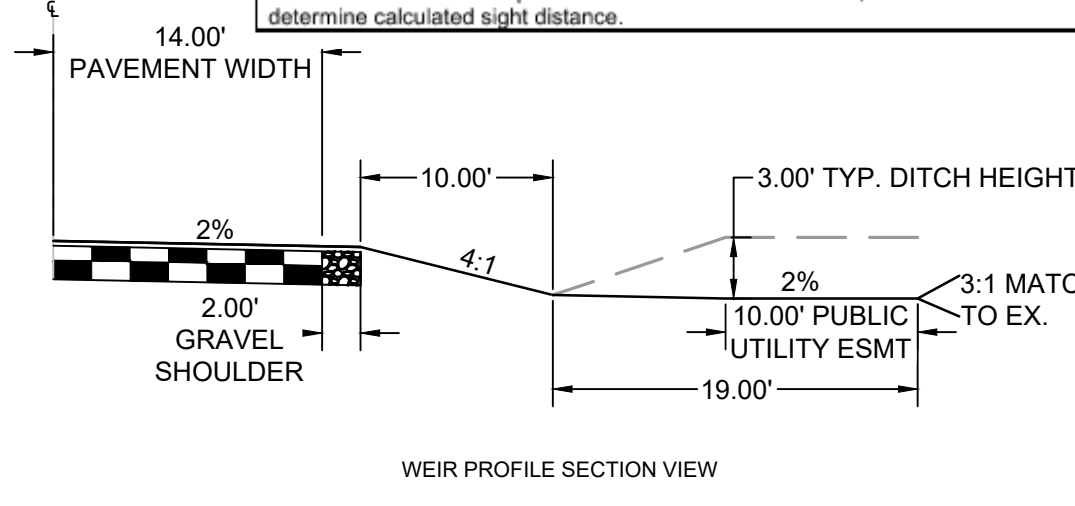
Table 2-17. Stopping Sight Distances

Design Speed (MPH)	Brake Reaction Distance (feet)	Braking Distance on Level (feet)	Stopping Sight Distance	
			Calculated (feet)	Design (feet)
25	91.9	80.0	151.9	155
30	110.3	96.4	196.7	200
40	147.0	153.6	300.6	305
50	183.8	240.0	423.8	425
60	220.5	345.5	566.0	570
70	257.3	470.3	727.6	730

*Brake reaction distance predicted on a time of 2.5 seconds; deceleration rate of 11.2 feet/second used to determine calculated sight distance.

Curve Table

Curve #	Length	Radius	Delta
C1	34.56	22.00	90°00'00"
C2	34.56	22.00	90°00'00"



MODIFIED ROADSIDE DITCH WEIR

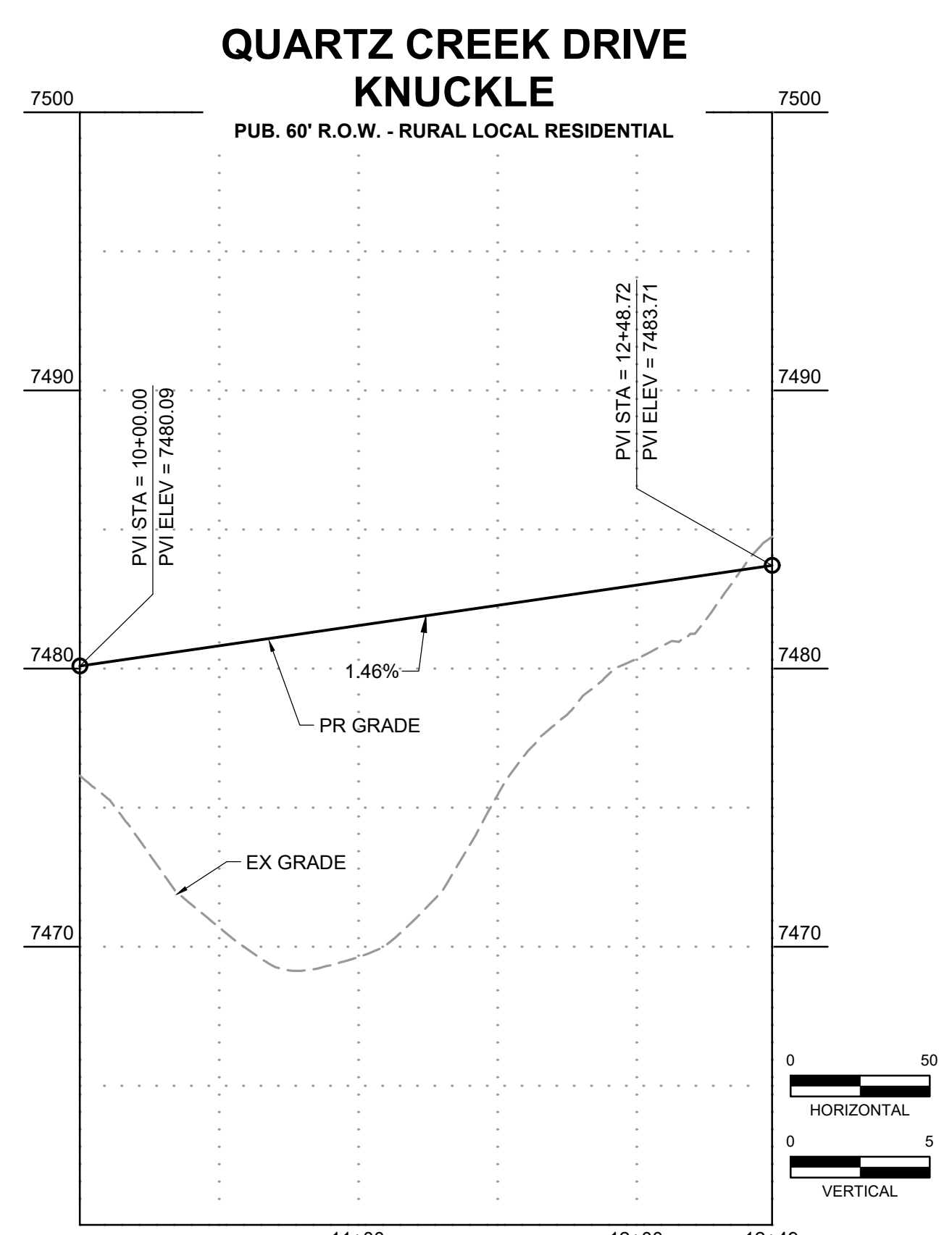
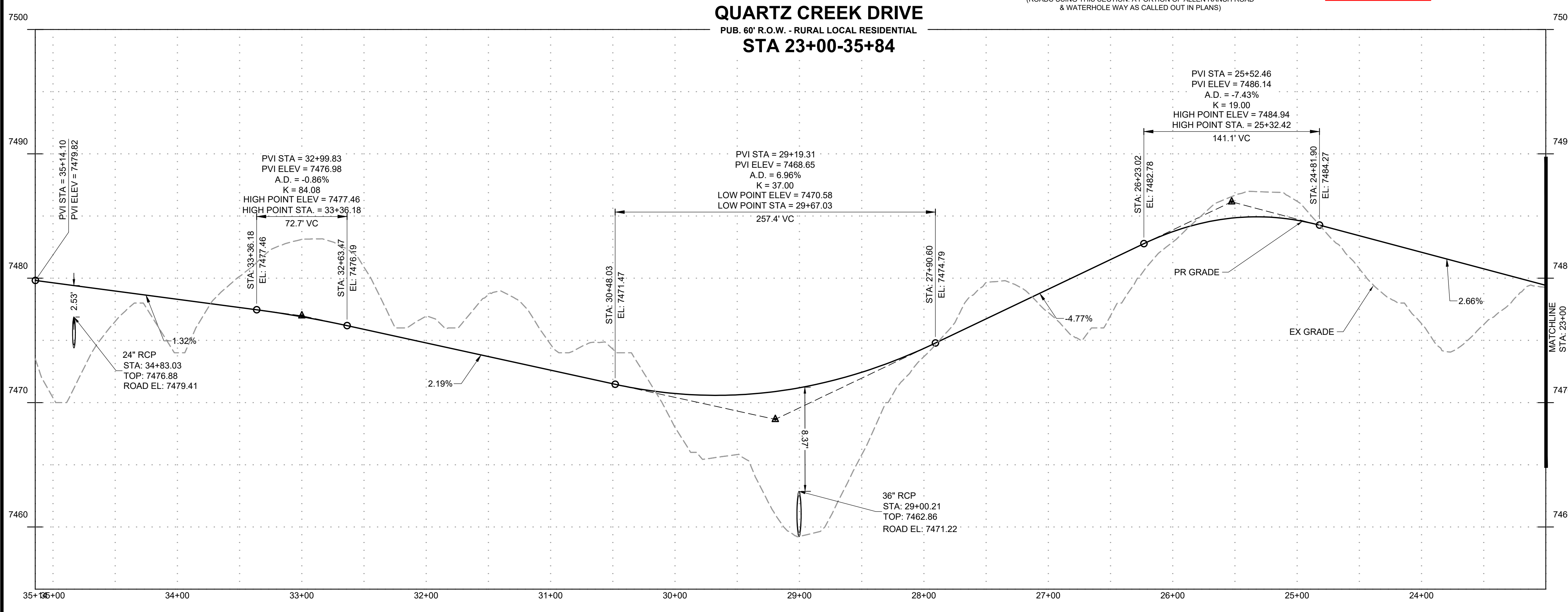
SCALE: 1"=10'
(ROADS USING THIS SECTION: A PORTION OF ALLEN RANCH ROAD & WATERHOLE WAY AS CALLED OUT IN PLANS)

Provide line of sight around corner within ROW.
Provide line of sight distance triangle.
Match curve to plat.
See comment on plat.

LINE OF SIGHT CURVE HAS NOW BEEN PROVIDED AND REPLACED THE PERVIOUS SIGHT DISTANCE TRIANGLE. BASED OFF OF THE 30 MPH DESIGN SPEED FOR QUARTZ CREEK DRIVE PER THE PROVIDED TABLE SCREENSHOT

POINT TABLE

No.	DESC.	ALIGNMENT	STATION	OFFSET	FL EL.
11	END FL TRANSITION	Allen Ranch Road	STA 26+12.67	29.0' L	7474.07
12	SWALE FL	Quartz Creek Drive	STA 34+82.20	30.3' R	7474.51
13	SWALE FL	Quartz Creek Drive	STA 34+83.03	31.1' L	7474.79
14	PCR	Allen Ranch Road	STA 27+22.75	14.0' L	7479.70
15	PCR	Allen Ranch Road	STA 27+00.75	36.0' L	7479.17
16	PCR	Allen Ranch Road	STA 26+72.75	36.0' L	7479.17
17	PCR	Allen Ranch Road	STA 26+50.75	14.0' L	7478.46
19	END FL TRANSITION	Quartz Creek Drive	STA 34+16.90	26.0' L	7476.02
20	BEGIN FL TRANSITION	Quartz Creek Drive	STA 34+16.34	26.0' R	7476.02
43	WEIR CNTR/SEE DT	Quartz Creek Drive	STA 23+12.68	26.0' L	7476.99
44	PCR	Quartz Creek Drive	STA 23+35.26	14.0' L	7480.09
45	PRC	Quartz Creek Drive	STA 23+60.71	36.8' L	7480.76
46	PRC	Quartz Creek Drive	STA 24+13.80	40.2' L	7482.67
47	PCR	Quartz Creek Drive	STA 24+25.88	14.0' R	7482.50
48	PCR	Quartz Creek Drive	STA 23+35.69	14.0' R	7480.10
50	PCR	Quartz Creek Drive	STA 24+71.46	14.0' L	7483.71
53	WEIR CNTR/SEE DT	Quartz Creek Drive	STA 29+49.46	26.0' R	7467.82
54	WEIR CNTR/SEE DT	Quartz Creek Drive	STA 29+49.46	26.0' L	7467.82
106	TRAIL CROSSING	Allen Ranch Road	STA 26+29.42	29.1' L	7477.78



DRAWN BY: DLH JOB DATE: 2/29/2024
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 CAD FILE: J:\2021\211030\CAD\DWG\C\Estates_CDs\Street_PNP

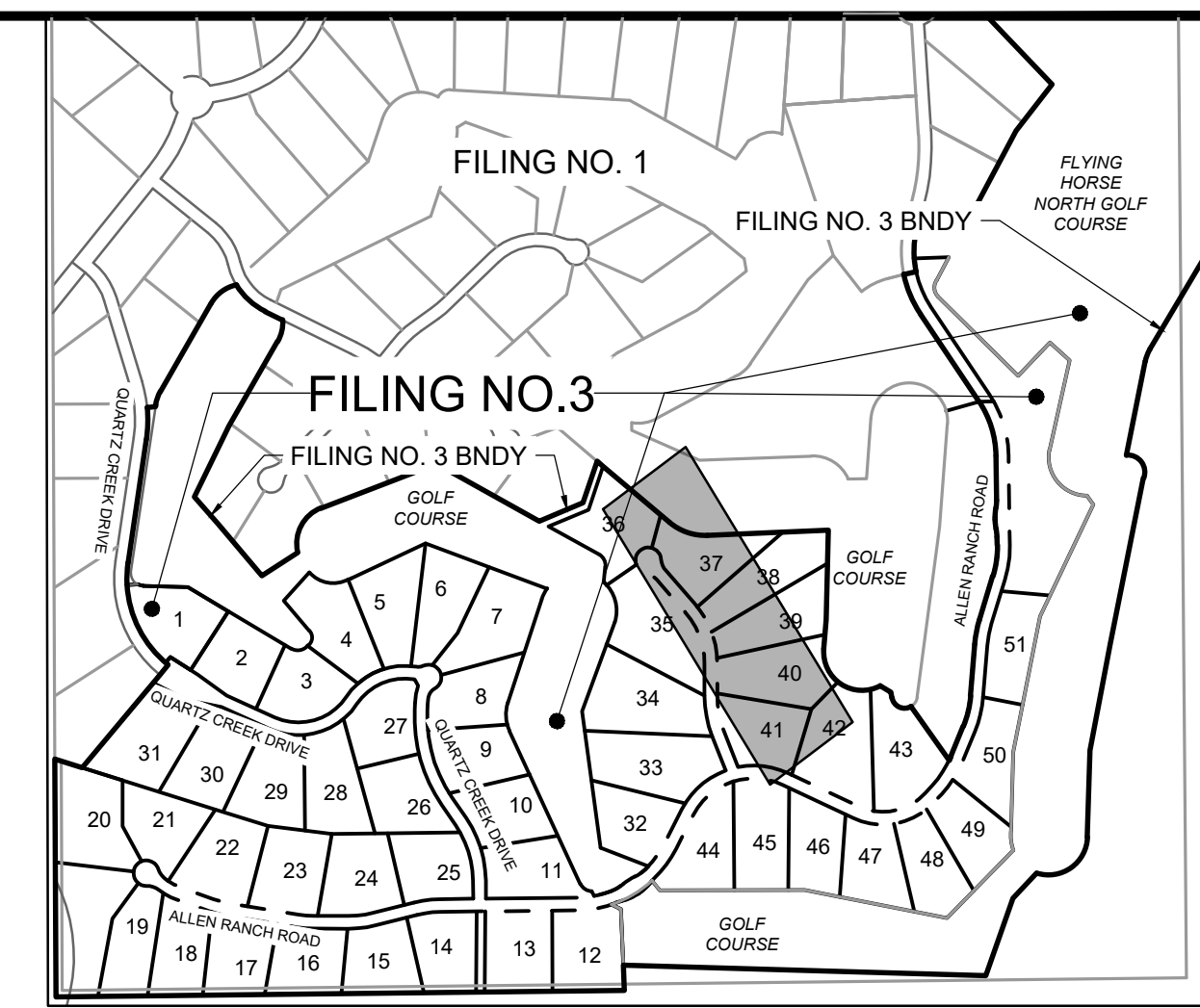
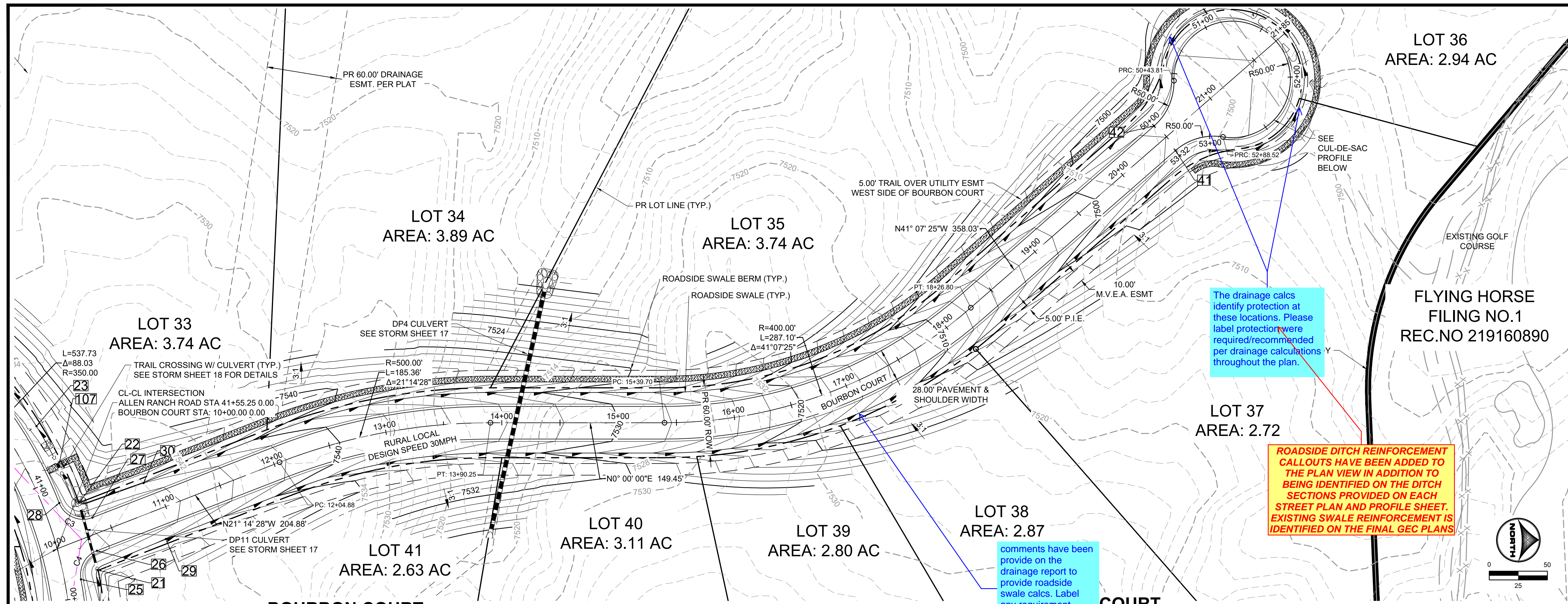
NO.	DATE	BY	REVISION DESCRIPTION

HRGreen
 HR GREEN - COLORADO SPRINGS
 1975 RESEARCH PARKWAY SUITE 230
 COLORADO SPRINGS, CO 80920
 PHONE: 719.300.4140
 FAX: 713.965.0044

**FLYING HORSE NORTH FILING 3
 PRI #2, LLC.**
 EL PASO COUNTY, CO

**STREET PLAN & PROFILE
 QUARTZ CREEK DRIVE**

**SHEET
 ST 11**



The drainage calcs identify protection at these locations. Please label protection where required/recommended per drainage calculations throughout the plan.

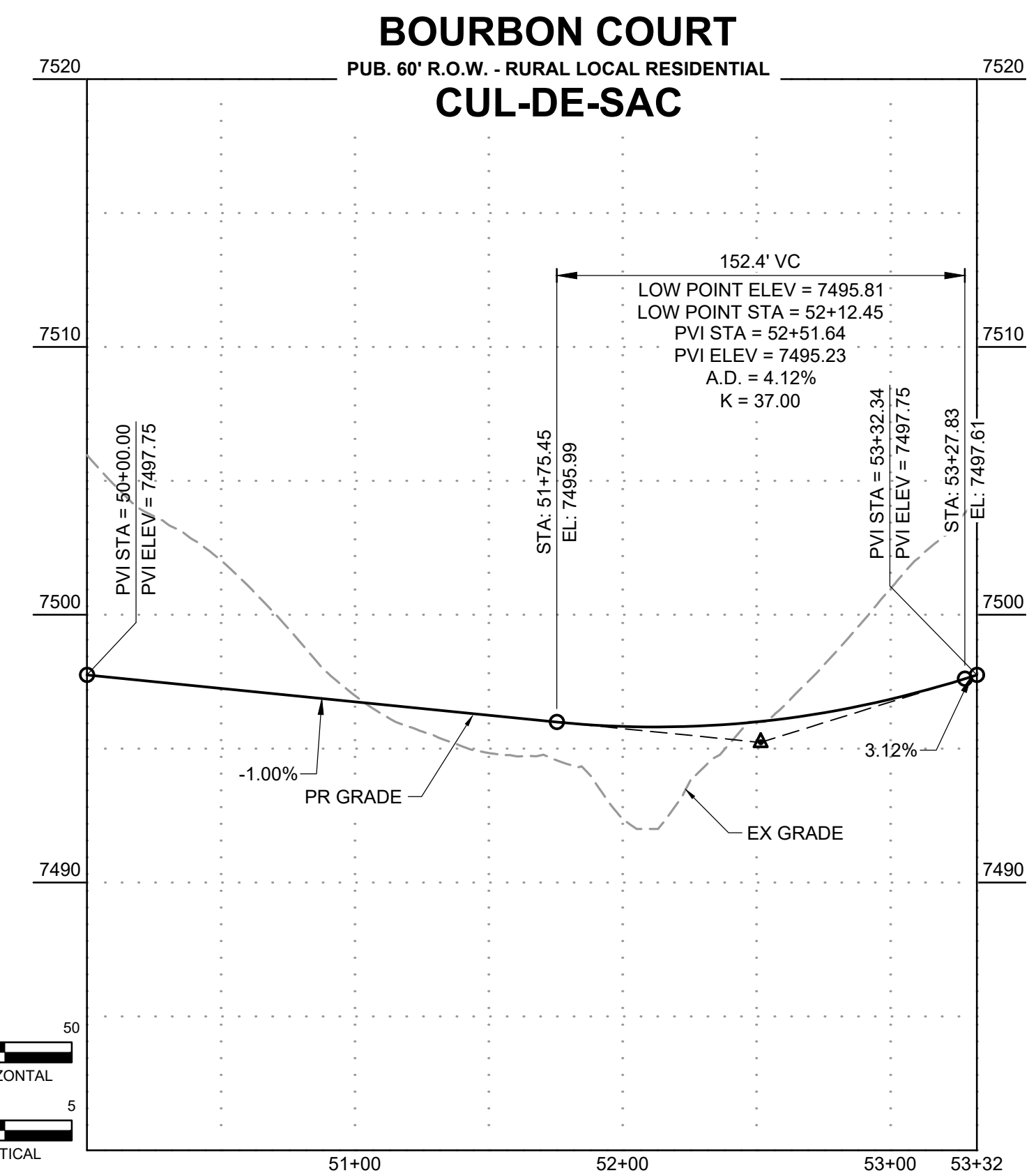
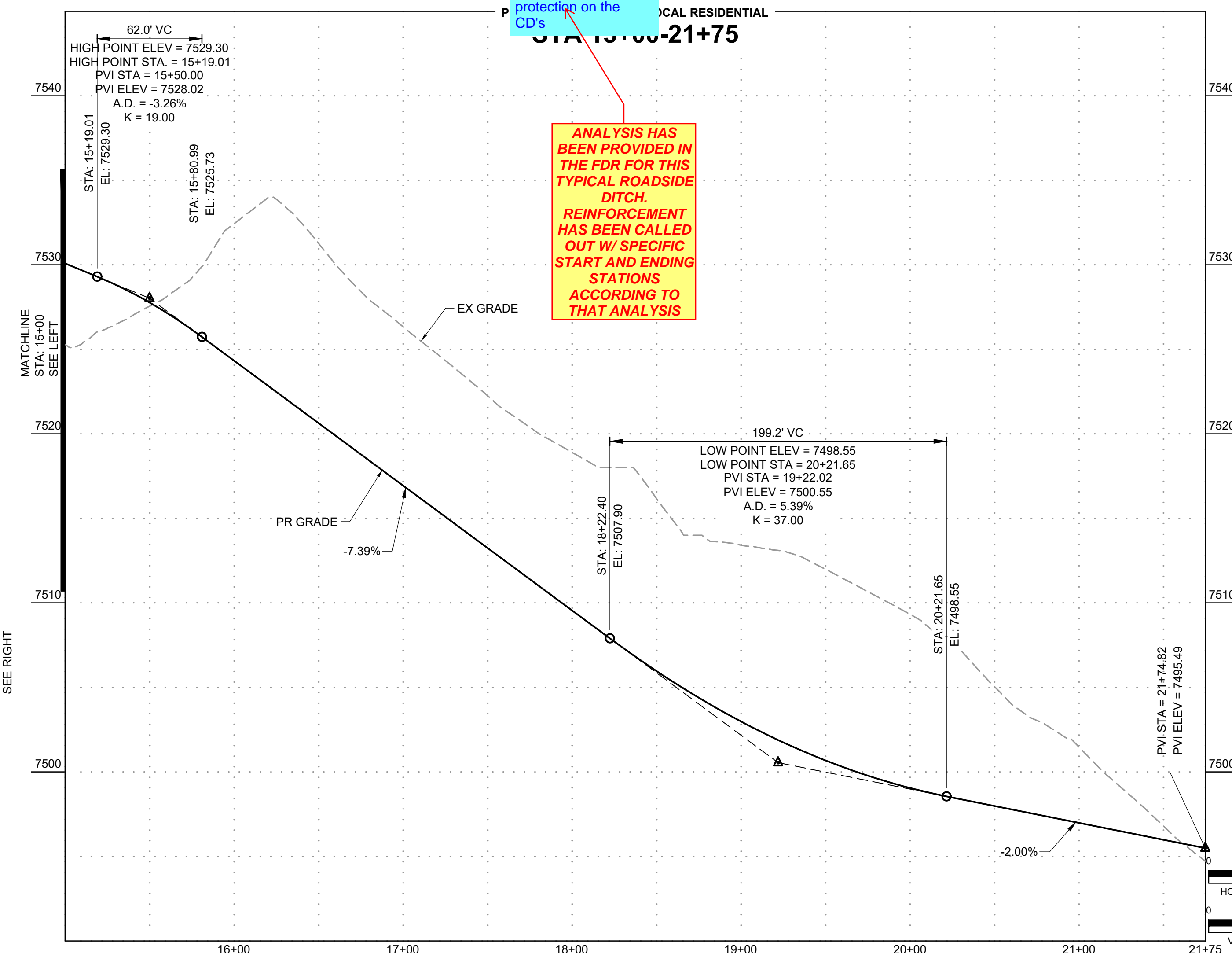
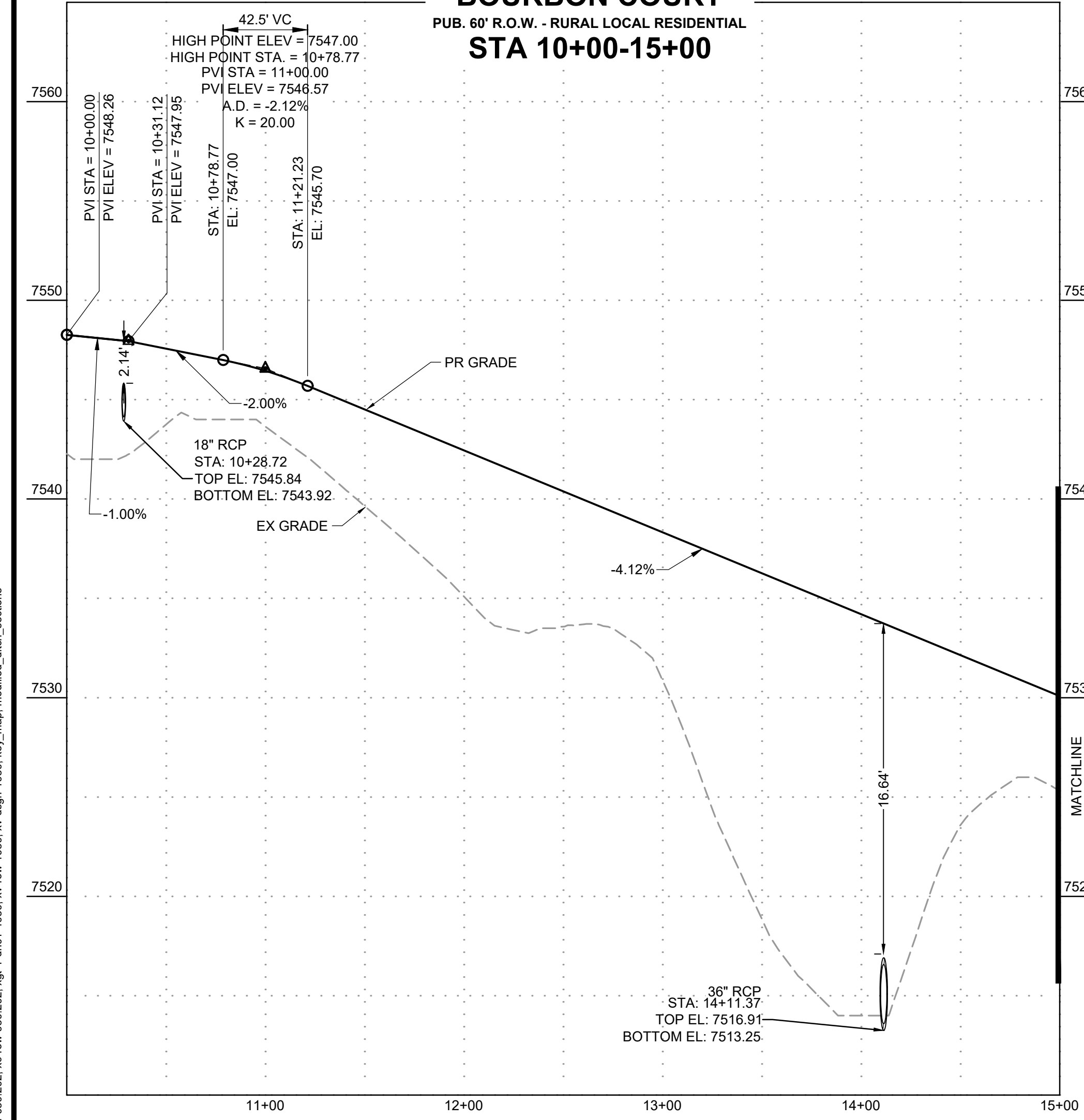
ROADSIDE DITCH REINFORCEMENT CALLOUTS HAVE BEEN ADDED TO THE PLAN VIEW IN ADDITION TO BEING IDENTIFIED ON THE DITCH SECTIONS PROVIDED ON EACH STREET PLAN AND PROFILE SHEET. EXISTING SWALE REINFORCEMENT IS IDENTIFIED ON THE FINAL GEC PLANS

comments have been provide on the drainage report to provide roadside swale calcs. Label any requirement protection on the CD's

ANALYSIS HAS BEEN PROVIDED IN THE FDR FOR THIS TYPICAL ROADSIDE DITCH. REINFORCEMENT HAS BEEN CALLED OUT W/ SPECIFIC START AND ENDING STATIONS ACCORDING TO THAT ANALYSIS

POINT TABLE					
No.	DESC.	ALIGNMENT	STATION	OFFSET	FL EL.
21	SWALE FL	Bourbon Court	STA 10+25.69	29.5' R	7544.44
22	SWALE FL	Bourbon Court	STA 10+31.81	30.0' L	7543.74
23	END FL TRANSITION	Allen Ranch Road	STA 40+55.08	26.0' L	7542.43
24	BEGIN FL TRANSITION	Allen Ranch Road	STA 42+50.06	26.0' L	7548.28
25	PCR	Allen Ranch Road	STA 41+84.89	14.0' L	7548.86
26	PCR	Allen Ranch Road	STA 41+65.10	32.5' L	7548.38
27	PCR	Allen Ranch Road	STA 41+39.16	36.6' L	7547.73
28	PCR	Allen Ranch Road	STA 41+19.23	14.0' L	7546.88
41	PCR	Bourbon Court	STA 20+47.99	14.0' R	7497.75
42	PCR	Bourbon Court	STA 20+47.99	14.0' L	7497.75
107	TRAIL CROSSING	Allen Ranch Road	STA 40+90.97	26.7' L	7546.24

Curve Table			
Curve #	Length	Radius	Delta
C3	34.53	22.00	89°56'21"
C4	30.45	22.00	79°18'42"



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BAR IS ONE INCH ON OFFICIAL DRAWINGS.
 IF NOT ONE INCH, ADJUST SCALE ACCORDINGLY.

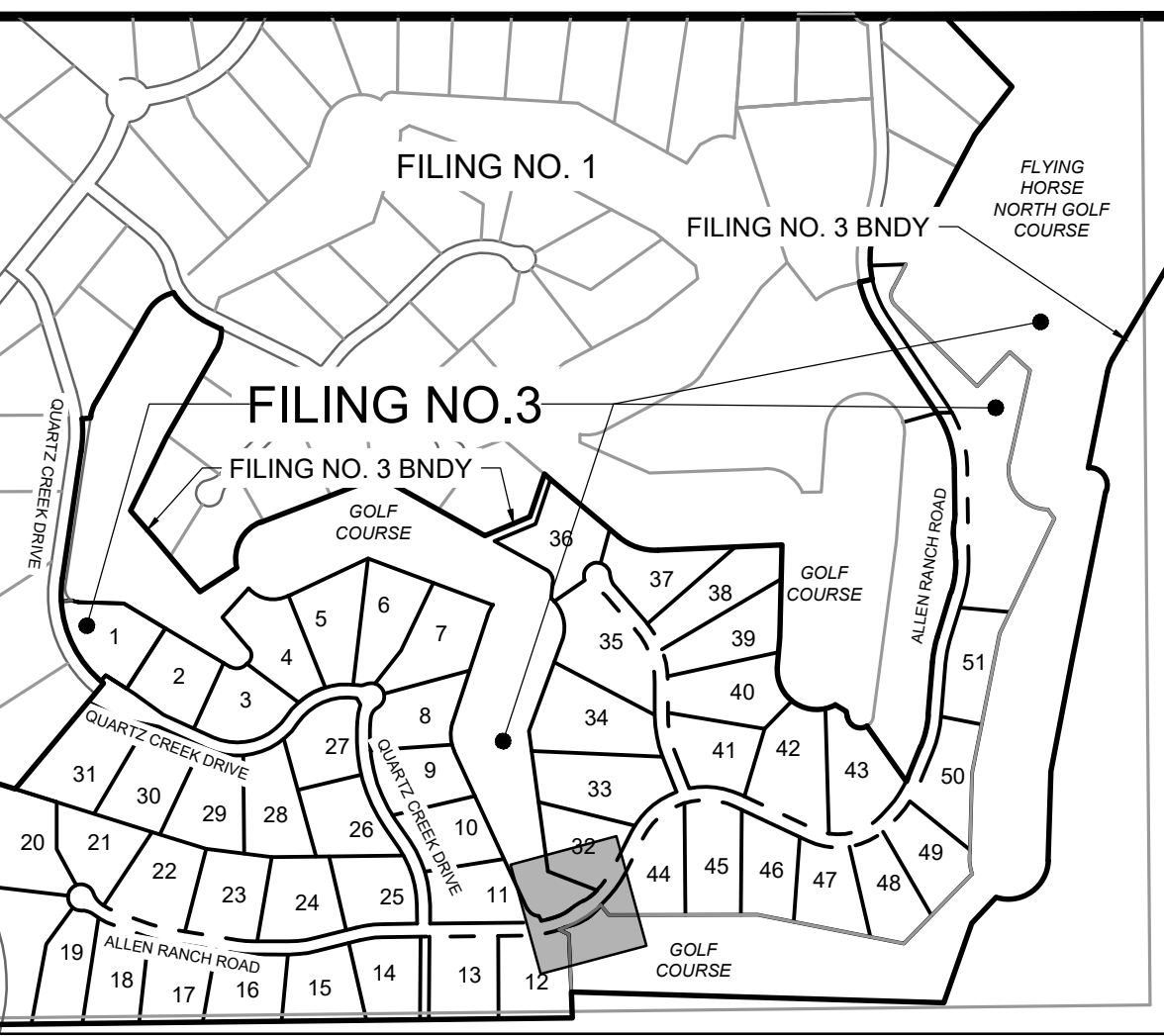
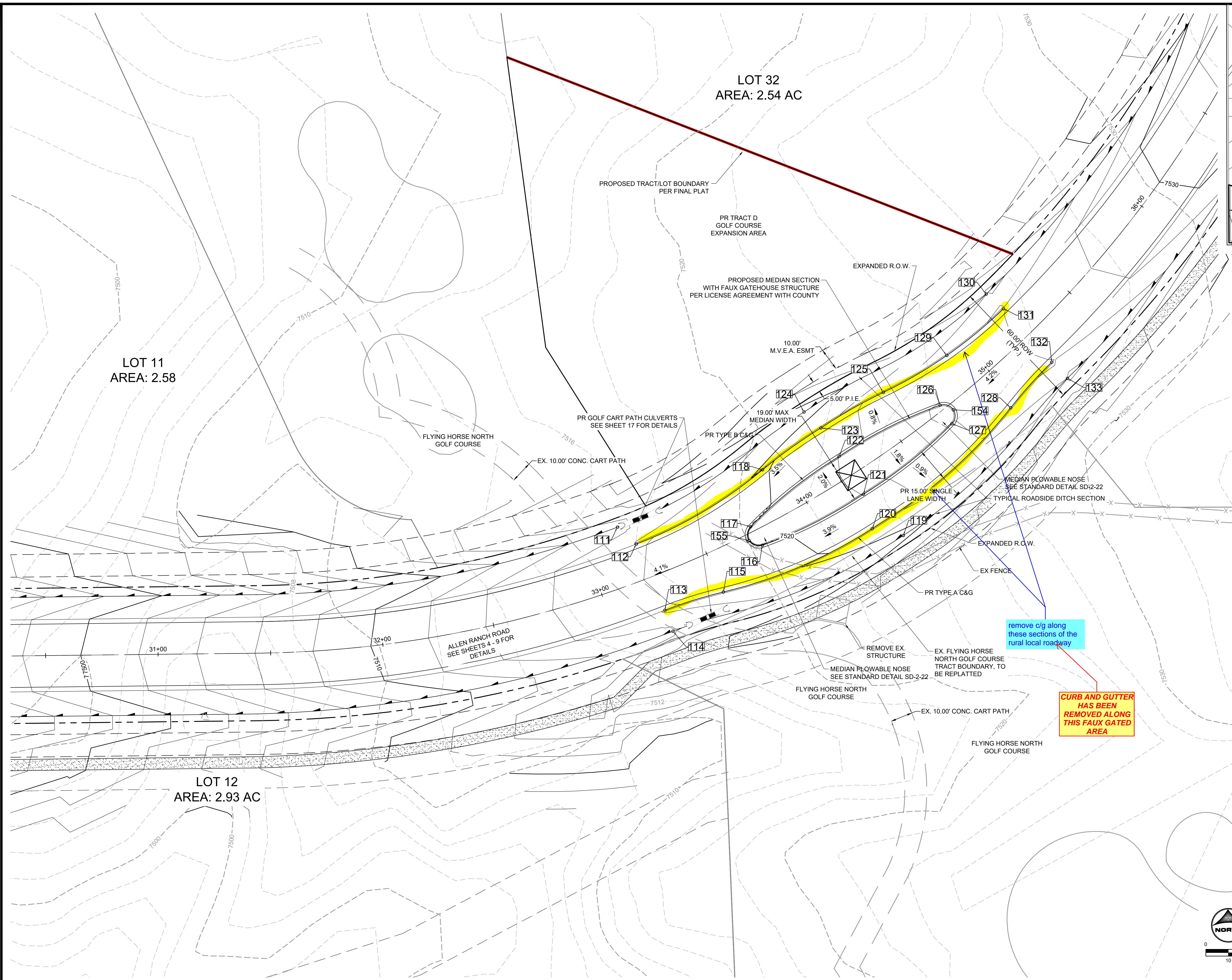
NO.	DATE	BY	REVISION DESCRIPTION

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 1975 RESEARCH PARKWAY SUITE 230
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 PRI #2, LLC.
 EL PASO COUNTY, CO

STREET PLAN & PROFILE
 BOURBON COURT

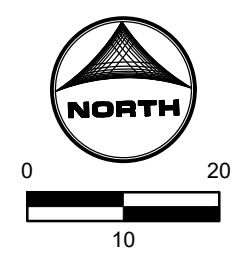
SHEET
 ST 12



POINT TABLE					
No.	DESC.	ALIGNMENT	STATION	OFFSET	FL EL.
111	SWALE FL	Allen Ranch Road	STA 33+17.00	26.0' L	7515.07
112	BEGIN TYPE A C&G	Allen Ranch Road	STA 33+22.39	16.0' L	7517.79
113	BEGIN TYPE A C&G	Allen Ranch Road	STA 33+23.53	16.0' R	7517.83
114	SWALE FL	Allen Ranch Road	STA 33+23.53	26.0' R	7515.33
115	TYPE A C&G	Allen Ranch Road	STA 33+49.77	18.6' R	7518.78
116	TYPE B C&G	Allen Ranch Road	STA 33+73.79	7.3' R	7519.82
117	TYPE B C&G	Allen Ranch Road	STA 33+72.83	2.4' L	7519.88
118	TYPE A C&G	Allen Ranch Road	STA 33+89.78	22.3' L	7519.78
119	SWALE FL	Allen Ranch Road	STA 34+27.82	35.0' R	7519.36
120	TYPE A C&G	Allen Ranch Road	STA 34+18.39	25.0' R	7520.85
121	TYPE B C&G	Allen Ranch Road	STA 34+23.15	10.0' R	7521.54
122	TYPE B C&G	Allen Ranch Road	STA 34+23.15	10.0' L	7521.54
123	TYPE A C&G	Allen Ranch Road	STA 34+23.15	25.0' L	7521.05
124	SWALE FL	Allen Ranch Road	STA 34+20.46	35.0' L	7519.06
125	TYPE A C&G	Allen Ranch Road	STA 34+56.52	22.3' L	7522.61
126	TYPE B C&G	Allen Ranch Road	STA 34+73.47	2.4' L	7524.08
127	TYPE B C&G	Allen Ranch Road	STA 34+72.51	7.3' R	7523.85
128	TYPE A C&G	Allen Ranch Road	STA 34+96.51	18.6' R	7524.86
129	TYPE A C&G	Allen Ranch Road	STA 34+90.18	17.6' L	7524.52
130	SWALE FL	Allen Ranch Road	STA 35+22.91	26.0' L	7523.84
131	END TYPE A C&G	Allen Ranch Road	STA 35+23.92	16.0' L	7526.03
132	END TYPE A C&G	Allen Ranch Road	STA 35+22.76	16.0' R	7525.98
133	SWALE FL	Allen Ranch Road	STA 35+22.76	26.0' R	7523.48
154	PLOWABLE NOSE	Allen Ranch Road	STA 34+76.82	2.9' R	7524.55
155	PLOWABLE NOSE	Allen Ranch Road	STA 33+69.48	2.9' R	7520.01

CURB AND GUTTER HAS BEEN REMOVED ALONG THIS FAUX GATED AREA

remove c/g along these sections of the rural local roadway



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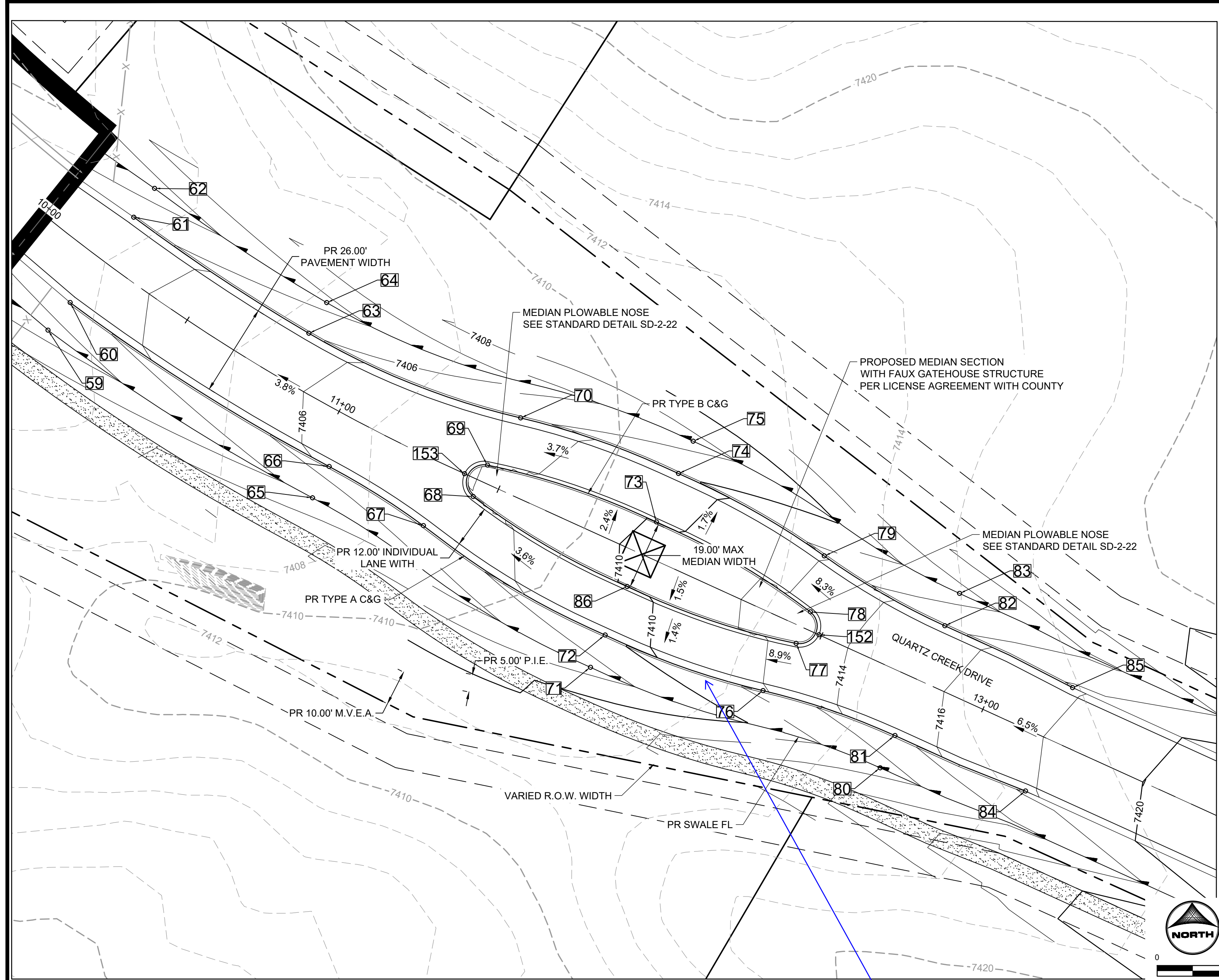
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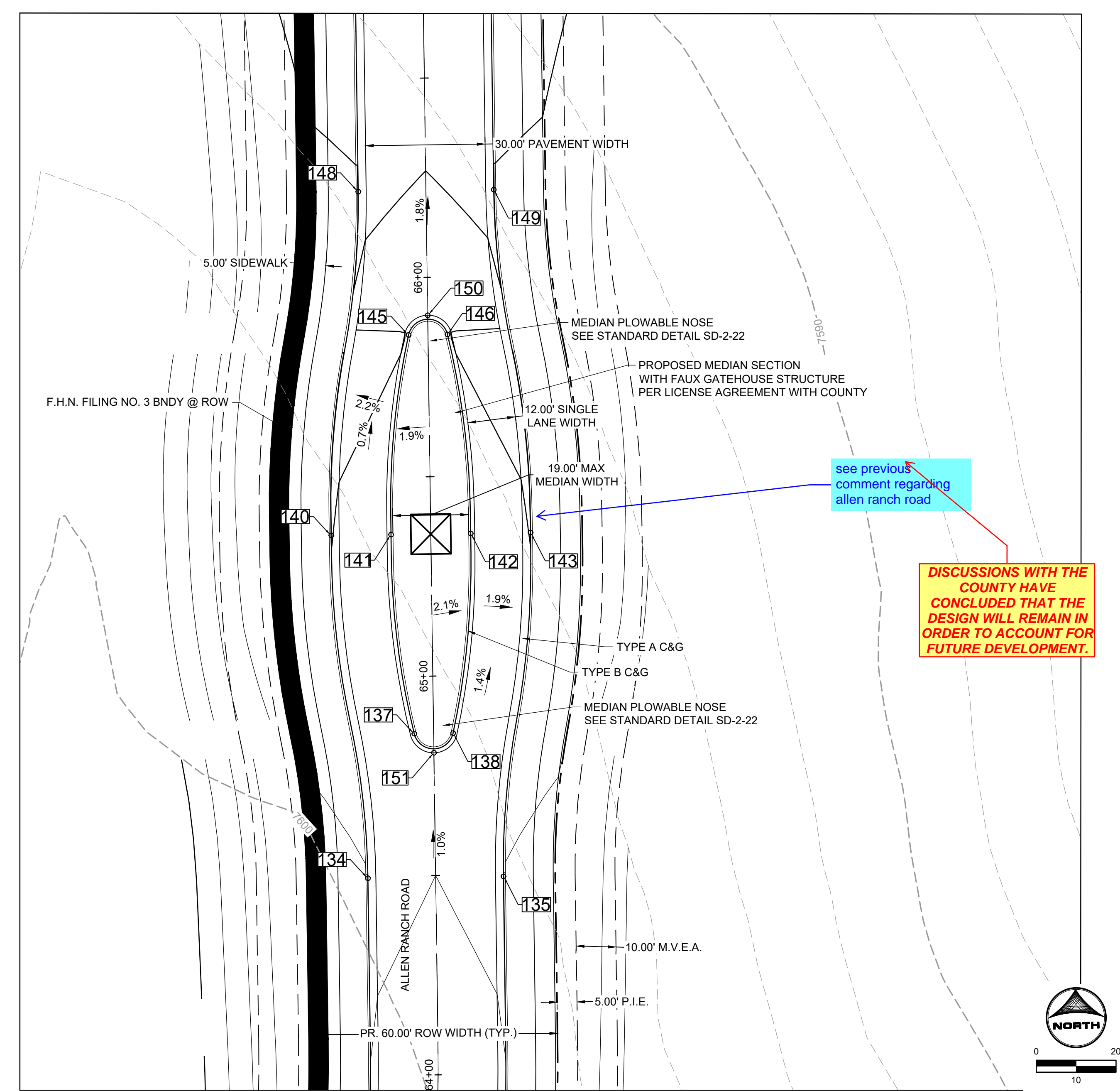
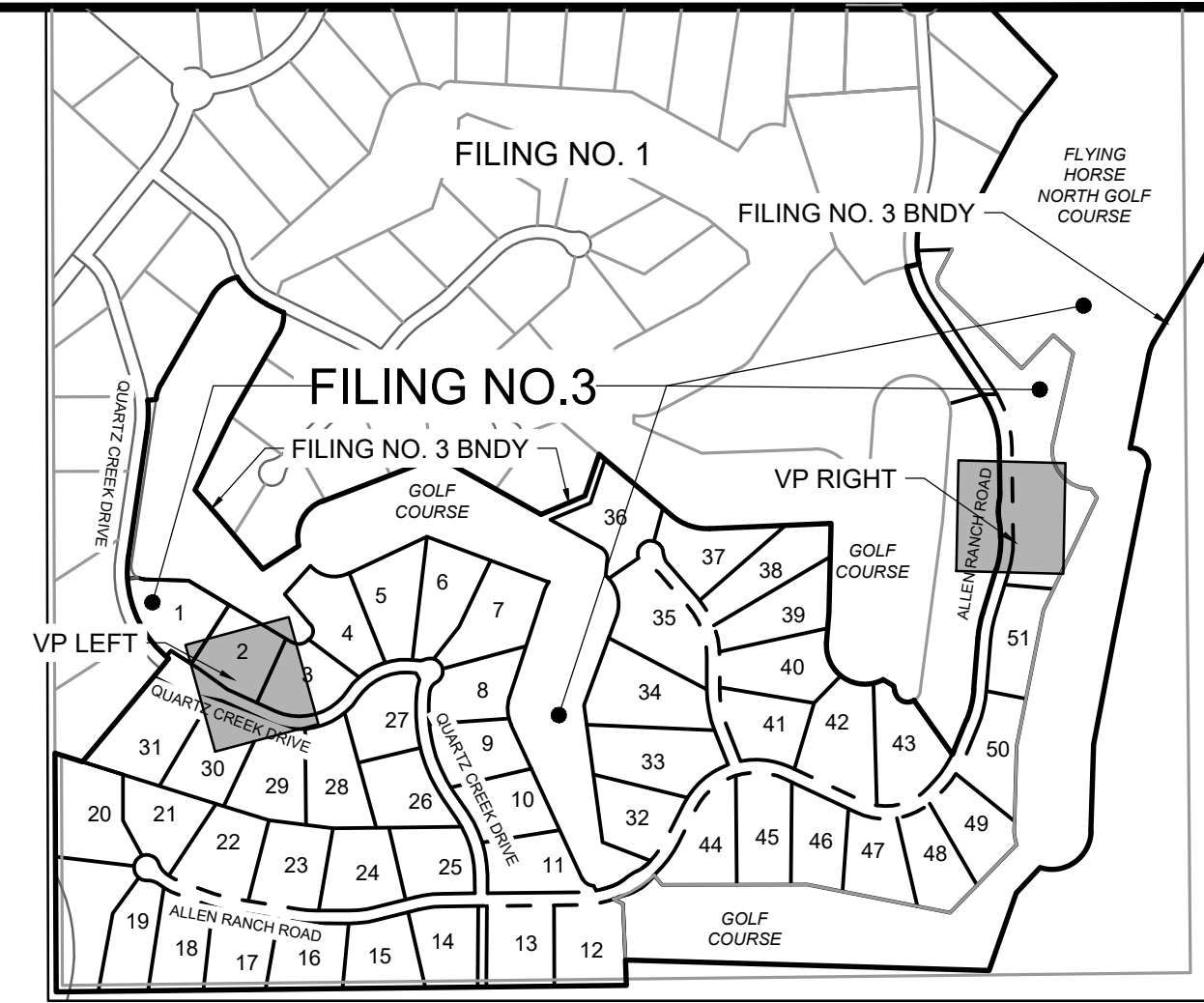
STREET PLAN & PROFILE
 ALLEN RANCH ROAD CART PATH CROSSING

SHEET
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13



No.	DESC.	ALIGNMENT	STATION	OFFSET	FL EL.
134	BEGIN FL TRANSITION	Allen Ranch Road	STA 64+49.53	17.0' L	7591.54
135	BEGIN FL TRANSITION	Allen Ranch Road	STA 64+49.53	17.0' R	7591.54
137	TYPE B C&G	Allen Ranch Road	STA 64+85.63	4.9' L	7591.24
138	TYPE B C&G	Allen Ranch Road	STA 64+85.63	4.9' R	7591.24
140	TYPE A C&G	Allen Ranch Road	STA 65+35.64	25.0' L	7589.96
141	TYPE B C&G	Allen Ranch Road	STA 65+35.62	10.0' L	7590.45
142	TYPE B C&G	Allen Ranch Road	STA 65+35.64	10.0' R	7590.45
143	TYPE A C&G	Allen Ranch Road	STA 65+35.64	25.0' R	7589.96
145	TYPE B C&G	Allen Ranch Road	STA 65+85.62	4.9' L	7590.31
146	TYPE B C&G	Allen Ranch Road	STA 65+85.62	4.9' R	7590.31
148	END TYPE A C&G	Allen Ranch Road	STA 66+21.74	17.0' L	7589.63
149	END TYPE A C&G	Allen Ranch Road	STA 66+21.74	17.0' R	7589.63
150	PLOWABLE NOSE	Allen Ranch Road	STA 65+90.50	0.0'	7590.64
151	PLOWABLE NOSE	Allen Ranch Road	STA 64+80.75	0.0'	7591.62

POINT TABLE
ALLEN RANCH ROAD
MEDIAN AND MONUMENT



DISCUSSIONS WITH THE COUNTY HAVE CONCLUDED THAT THE DESIGN WILL REMAIN IN ORDER TO ACCOUNT FOR FUTURE DEVELOPMENT.

CURB AND GUTTER HAS BEEN REMOVED ALONG THIS FAUX GATED AREA

No.	DESC.	ALIGNMENT	STATION	OFFSET	FL EL.
59	SWALE FL	Quartz Creek Drive	STA 10+20.26	25.0' R	7401.05
60	BEGIN TYPE A C&G	Quartz Creek Drive	STA 10+20.58	15.0' R	7402.95
61	BEGIN TYPE A C&G	Quartz Creek Drive	STA 10+20.58	15.0' L	7402.94
62	SWALE FL	Quartz Creek Drive	STA 10+20.40	25.0' L	7401.06
63	BEGIN FL TRANSITION	Quartz Creek Drive	STA 10+81.47	15.0' L	7405.30
64	SWALE FL	Quartz Creek Drive	STA 10+81.47	25.0' L	7403.43
65	SWALE FL	Quartz Creek Drive	STA 11+04.79	25.0' R	7404.33
66	BEGIN FL TRANSITION	Quartz Creek Drive	STA 11+04.79	15.0' R	7406.21
67	TYPE A C&G	Quartz Creek Drive	STA 11+35.09	18.1' R	7407.48
68	TYPE B C&G	Quartz Creek Drive	STA 11+44.36	4.9' R	7407.58
69	TYPE B C&G	Quartz Creek Drive	STA 11+44.36	4.9' L	7407.58
70	TYPE A C&G	Quartz Creek Drive	STA 11+47.37	20.9' L	7407.25
71	SWALE FL	Quartz Creek Drive	STA 11+94.37	35.0' R	7407.28
72	TYPE A C&G	Quartz Creek Drive	STA 11+94.37	25.0' R	7409.16
74	TYPE A C&G	Quartz Creek Drive	STA 11+94.37	25.0' L	7409.16

No.	DESC.	ALIGNMENT	STATION	OFFSET	FL EL.
75	SWALE FL	Quartz Creek Drive	STA 11+94.37	35.0' L	7407.28
76	TYPE A C&G	Quartz Creek Drive	STA 12+41.39	20.9' R	7411.95
77	TYPE B C&G	Quartz Creek Drive	STA 12+44.36	4.9' R	7412.58
78	TYPE B C&G	Quartz Creek Drive	STA 12+44.36	4.9' L	7412.58
79	TYPE A C&G	Quartz Creek Drive	STA 12+41.39	20.9' L	7411.95
80	SWALE FL	Quartz Creek Drive	STA 12+80.47	27.0' R	7413.17
81	END FL TRANSITION	Quartz Creek Drive	STA 12+80.47	17.0' R	7415.05
82	END FL TRANSITION	Quartz Creek Drive	STA 12+80.47	17.0' L	7415.05
83	SWALE FL	Quartz Creek Drive	STA 12+80.47	27.0' L	7413.17
84	END TYPE A C&G	Quartz Creek Drive	STA 13+20.47	16.0' R	7417.67
85	END TYPE A C&G	Quartz Creek Drive	STA 13+20.47	16.0' L	7417.67
86	TYPE B C&G	Quartz Creek Drive	STA 11+94.36	10.0' R	7409.65
152	PLOWABLE NOSE	Quartz Creek Drive	STA 12+49.23	0.0'	7413.35
153	PLOWABLE NOSE	Quartz Creek Drive	STA 11+39.49	0.0'	7407.97

POINT TABLE
QUARTZ CREEK DRIVE
MEDIAN AND MONUMENT

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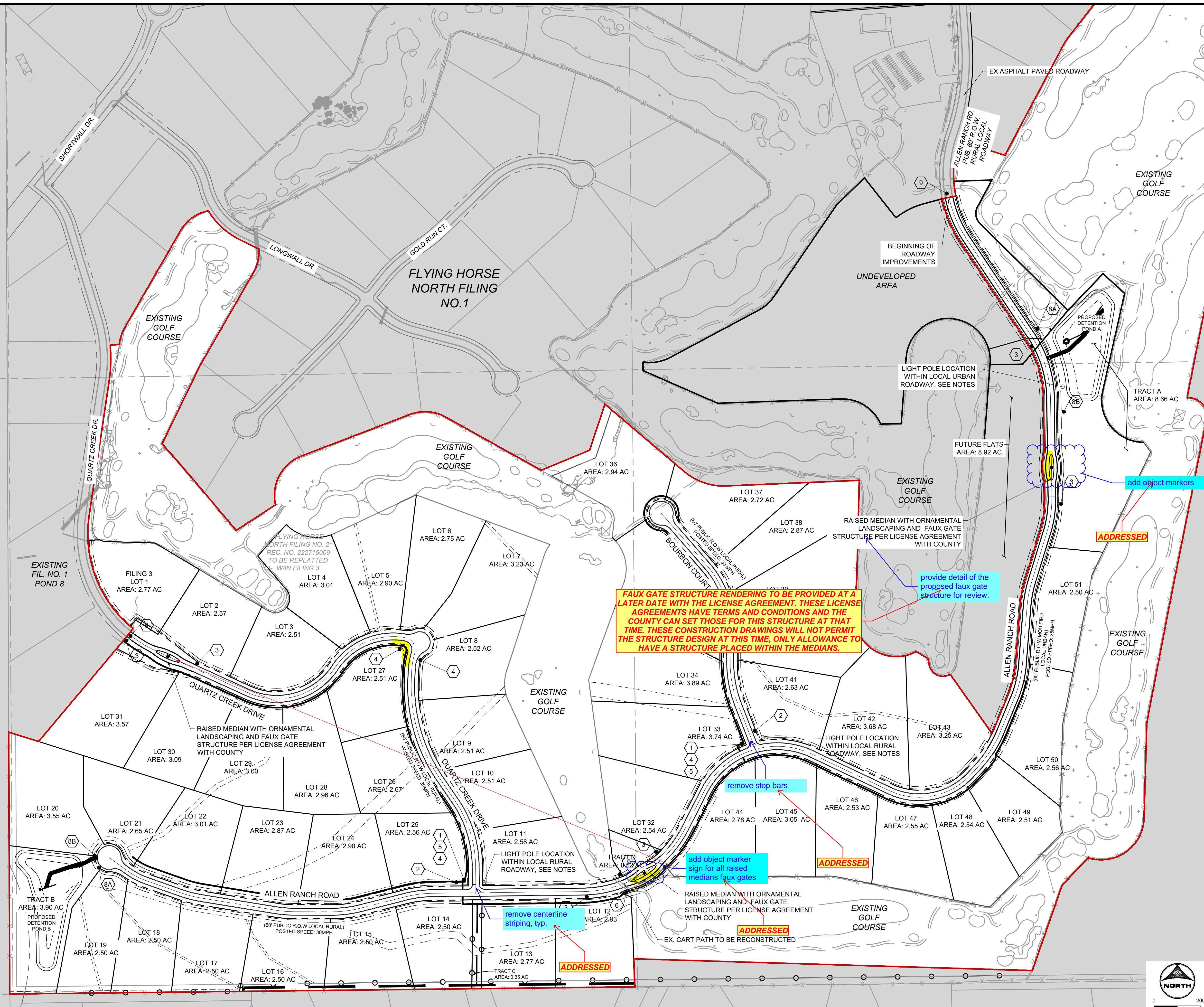
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HR GREEN - COLORADO SPRINGS
 1975 RESEARCH PARKWAY SUITE 230
 COLORADO SPRINGS, CO 80920
 PHONE: 719.300.4140
 FAX: 719.965.0044

FLYING HORSE NORTH FILING 3
 PRI #2, LLC.
 EL PASO COUNTY, CO

STREET PLAN & PROFILE
 MEDIANS

SHEET
 ST
 14



SIGNAGE LEGEND:

- 1 STOP R-1 SINGLE LANE 30"x30"
- 2 NO OUTLET 18"x18"
- 3A SPEED LIMIT 25 R2-1 24"x30"
- 3B SPEED LIMIT 30 R2-1 24"x30"
- 4 ROAD NAME GREEN
- 5 ROAD NAME NO OUTLET GREEN W/ NO OUTLET PATCH
- 6 W11-11 18"x18"
- 7 R8-3 12"x18"
- 8A NO PARKING FIRE LANE R7-32(R) 12"x18"
- 8B NO PARKING FIRE LANE R7-32(L) 12"x18"
- 9 TYPE III BARRICADE (TEMPORARY)

see comment regarding urban section of allen ranch road and revise accordingly the speed limit signs

will keep the portion of allen Ranch road as urban - no change to be had here

- CONSTRUCTION NOTES:**
- WHERE CONSTRUCTION DETAILS AND SPECIFICATIONS ARE NOTED ON THESE PLANS USE EL PASO COUNTY STANDARD SPECIFICATIONS FOR DESIGN AND CONSTRUCTION.
 - ALL SIGNING AND PAVEMENT MARKINGS SHALL BE IN ACCORDANCE WITH THE FEDERAL HIGHWAY ADMINISTRATION MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES (MUTCD) LATEST EDITION.
 - PAVEMENT MARKING IS THERMOPLASTIC WITH COLOR DESIGNATED IN KEY NOTES.
 - ALL LETTERS, ARROWS AND SYMBOLS SHALL BE IN ACCORDANCE WITH "THE STANDARD ALPHABETS FOR HIGHWAY SIGNS AND PAVEMENT MARKINGS" ADOPTED BY THE FEDERAL HIGHWAY ADMINISTRATION.
 - STREET NAME SIGNS ARE 7" BLANK AND 4" FONT IF SPEED LIMIT IS 25 MPH, AND ARE 9" BLANK AND 6" FONT IF SPEED LIMIT IS 30 MPH AND ABOVE

- LIGHT POLE NOTES:**
- LIGHT POLE LOCATIONS WITHIN LOCAL URBAN ROADWAY AREAS ARE PER CRITERIA IN THE ECM 4.3.5.D.2 AND TABLE 2-5. WHERE REQUIRED POLE LOCATIONS BY CODE ARE 5.0 FEET MINIMUM FROM EDGE OF ASPHALT AND WITHIN RIGHT-OF-WAY.
 - PROPOSED LIGHT POLE LOCATIONS WITHIN THE LOCAL RURAL ROADWAY AREAS ARE 20' FROM EOA.
- EL PASO COUNTY SIGNAGE & STRIPING NOTES:**
- ALL SIGNS AND PAVEMENTS MARKINGS SHALL BE IN COMPLIANCE WITH THE CURRENT MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES (MUTCD)
 - REMOVAL OF EXISTING PAVEMENT MARKINGS SHALL BE ACCOMPLISHED BY A METHOD THAT DOES NOT MATERIALLY DAMAGE THE PAVEMENT. THE PAVEMENT MARKINGS SHALL BE REMOVED TO THE EXTENT THAT THEY WILL NOT BE VISIBLE UNDER DAY OR NIGHT CONDITIONS. AT NO TIME WILL IT BE ACCEPTABLE TO PAINT OVER EXISTING PAVEMENT MARKINGS.
 - ANY DEVIATION FROM THE STRIPING AND SIGNING PLAN SHALL BE APPROVED BY EL PASO COUNTY PLANNING AND COMMUNITY DEVELOPMENT.
 - ALL SIGNS SHOWN ON THE SIGNING AND STRIPING PLAN SHALL BE NEW SIGNS. EXISTING SIGNS MAY REMAIN OR BE REUSED IF THEY MEET CURRENT EL PASO COUNTY AND MUTCD STANDARDS.
 - STREET NAME AND REGULATORY STOP SIGNS SHALL BE ON THE SAME POST AT INTERSECTIONS.
 - ALL REMOVED SIGNS SHALL BE DISPOSED OF IN A PROPER MANNER BY THE CONTRACTOR.
 - ALL STREET NAME SIGNS SHALL HAVE "D" SERIES LETTERS, WITH LOCAL ROADWAY SIGNS BEING "4" UPPER CASE LETTERING ON 8" BLANK AND NON-LOCAL ROADWAY SIGNS BEING "6" LETTERING, UPPER-LOWER CASE ON 12" BLANK, WITH A WHITE BORDER THAT IS NOT RECESSED. THE WIDTH OF THE NON-RECESSED WHITE BORDERS SHALL MATCH PAGE 255 OF THE 2012 MUTCD STANDARD HIGHWAY SIGNS.
 - ALL TRAFFIC SIGNS SHALL HAVE A MINIMUM HIGH INTENSITY PRISMATIC GRADE SHEETING.
 - ALL LOCAL RESIDENTIAL STREET SIGNS SHALL BE MOUNTED ON A 1.75"x1.75" SQUARE TUBE SIGN POST AND STUB POST BASE. FOR OTHER APPLICATIONS, REFER TO THE CDOT STANDARD S-614 REGARDING USE OF THE 1.75" TUBULAR STEEL POST SUBBASE DESIGN.
 - ALL SIGNS SHALL BE SINGLE SHEET ALUMINUM WITH 0.100" MINIMUM THICKNESS.
 - ALL LIMIT LINES/STOP LINES, CROSSWALK LINES, PAVEMENT LEGENDS, AND ARROWS SHALL BE A MINIMUM 1/2" THICKNESS PRE-FORMED THERMOPLASTIC PAVEMENT MARKINGS WITH TAPERED LEADING EDGES PER CDOT STANDARD S-627-1. WORD AND SYMBOL MARKINGS SHALL BE THE NARROW TYPE. STOP BARS SHALL BE 24" IN WIDTH. CROSSWALK LINES SHALL BE 12" WIDE AND 8" LONG PER CDOT S-627-1.
 - ALL LONGITUDINAL LINES SHALL BE A MINIMUM 1/2" THICKNESS EPOXY PAINT. ALL NON-LOCAL RESIDENTIAL ROADWAYS SHALL INCLUDE BOTH RIGHT AND LEFT EDGE LINE STRIPING AND ANY ADDITIONAL STRIPING AS REQUIRED BY CDOT S-627-1.
 - THE CONTRACTOR SHALL NOTIFY EL PASO COUNTY PLANNING AND COMMUNITY DEVELOPMENT (719.520.6819) PRIOR TO AND UPON COMPLETION OF SIGNING AND STRIPING.
 - THE CONTRACTOR SHALL OBTAIN A WORK IN THE RIGHT OF WAY PERMIT FROM THE EL PASO COUNTY DEPARTMENT OF PUBLIC WORKS (DPW) PRIOR TO ANY SIGNAGE OR STRIPING WORK WITHIN AN EXISTING EL PASO COUNTY ROADWAY.

FAUX GATE STRUCTURE RENDERING TO BE PROVIDED AT A LATER DATE WITH THE LICENSE AGREEMENT. THESE LICENSE AGREEMENTS HAVE TERMS AND CONDITIONS AND THE COUNTY CAN SET THOSE FOR THIS STRUCTURE AT THAT TIME. THESE CONSTRUCTION DRAWINGS WILL NOT PERMIT THE STRUCTURE DESIGN AT THIS TIME, ONLY ALLOWANCE TO HAVE A STRUCTURE PLACED WITHIN THE MEDIANS.

remove stop bars

add object marker sign for all raised medians faux gates

remove centerline striping, typ.

DRAWN BY: AXB JOB DATE: 11/20/2023 BAR IS ONE INCH ON OFFICIAL DRAWINGS.
 APPROVED: KMH JOB NUMBER: 211030 0" = 1"
 CAD DATE: 3/4/2024 IF NOT ONE INCH, ADJUST SCALE ACCORDINGLY.
 CAD FILE: J:\2021\211030\CAD\Drawings\C\Estates_CDs\Striping and Signage

NO.	DATE	BY	REVISION DESCRIPTION

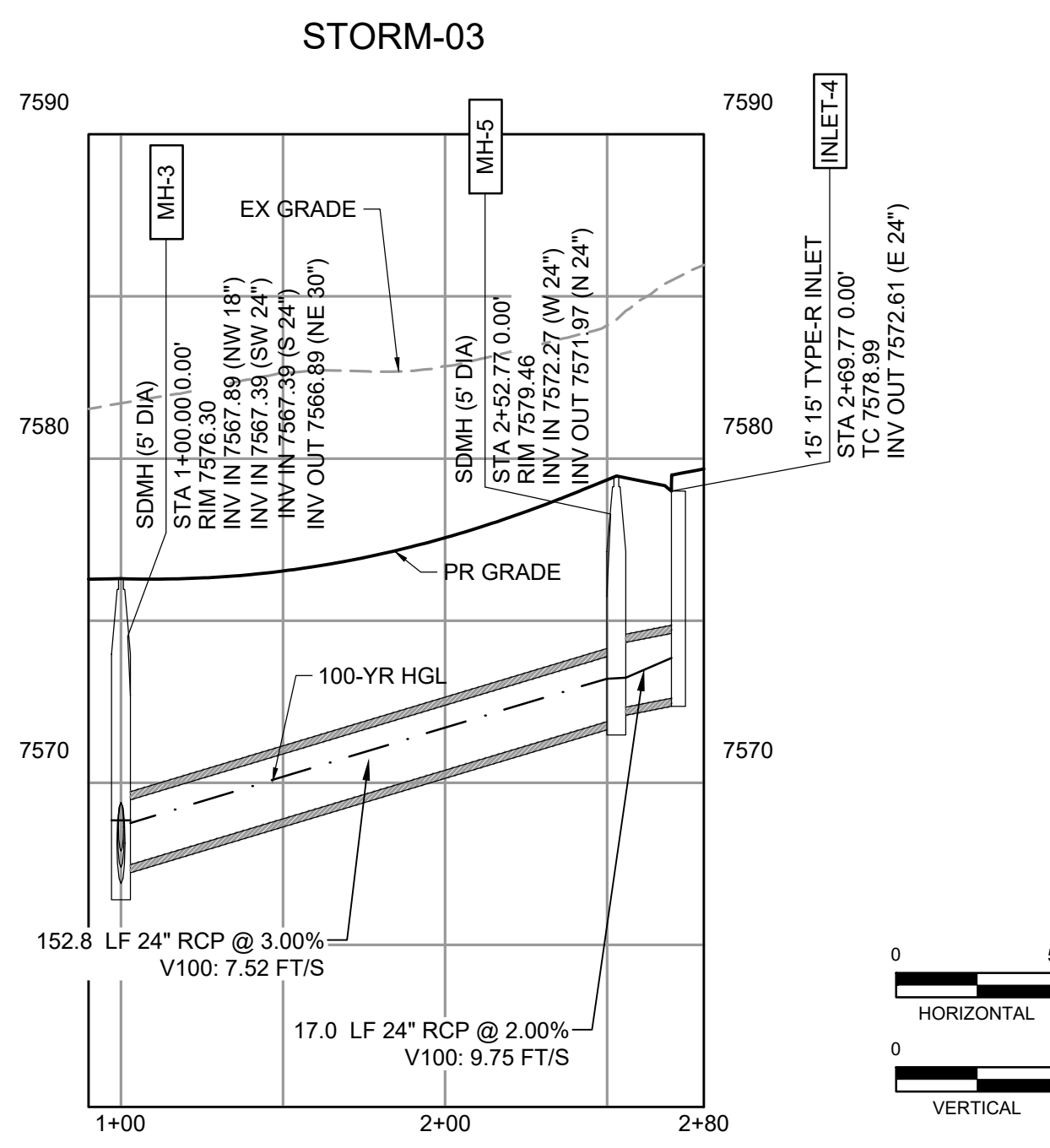
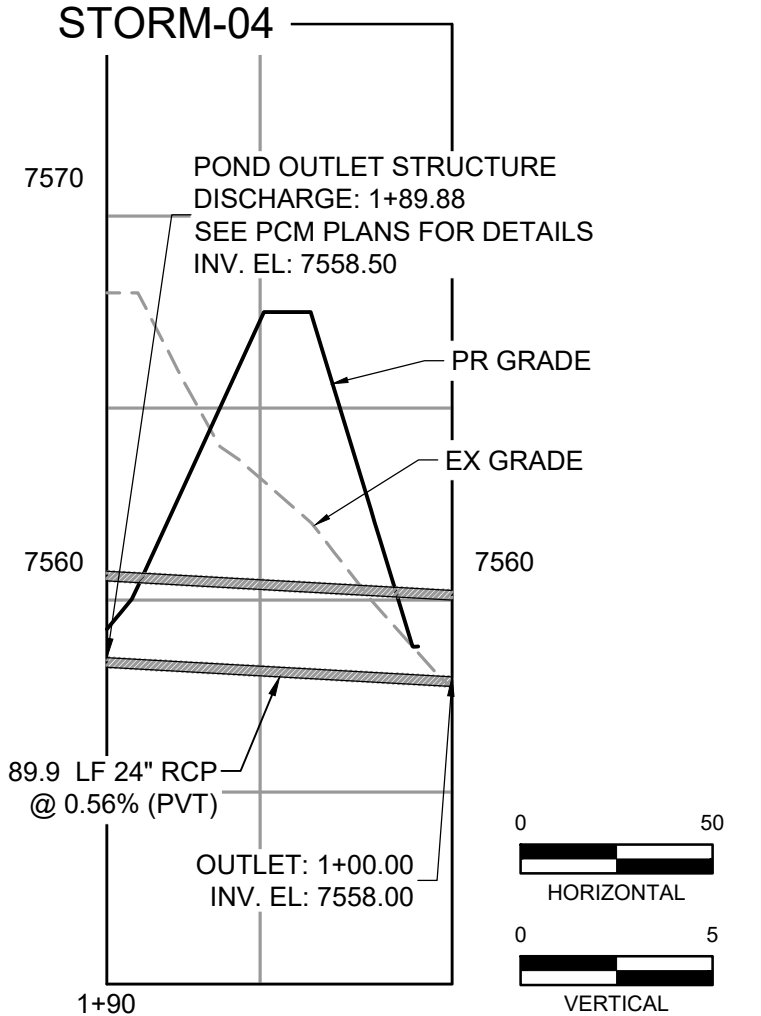
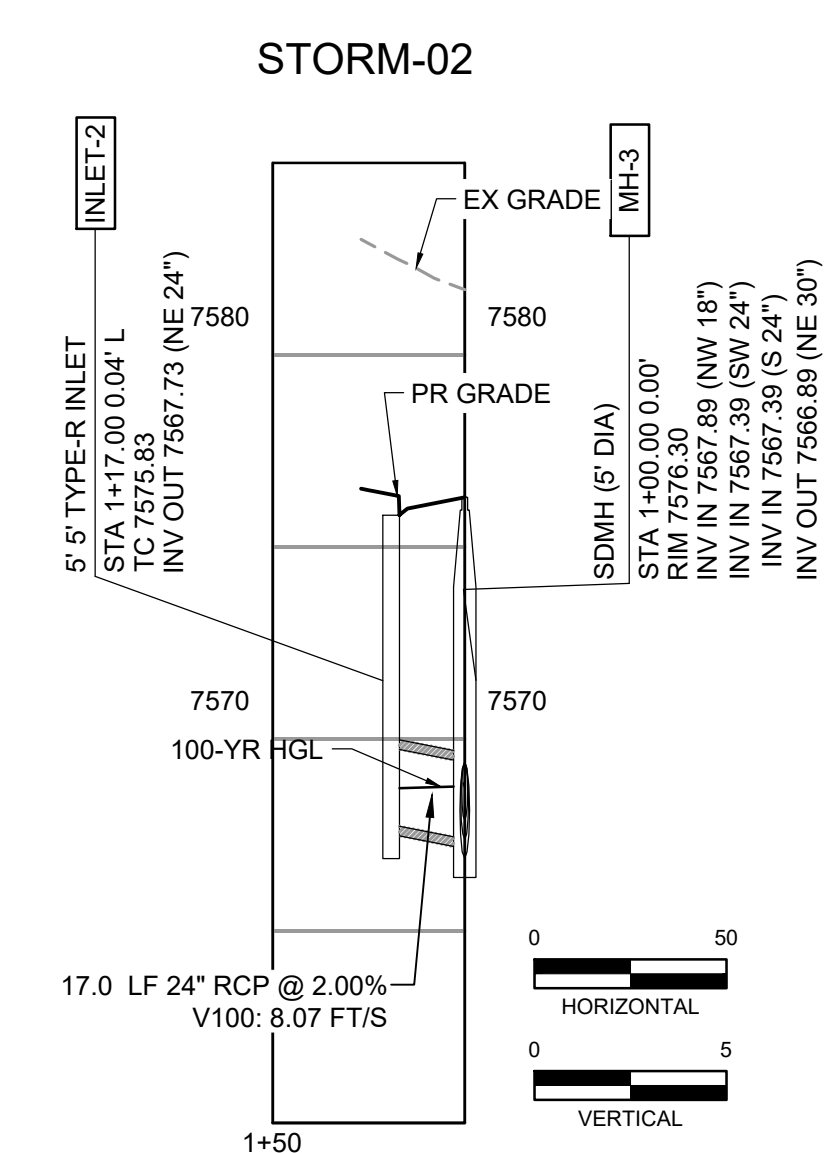
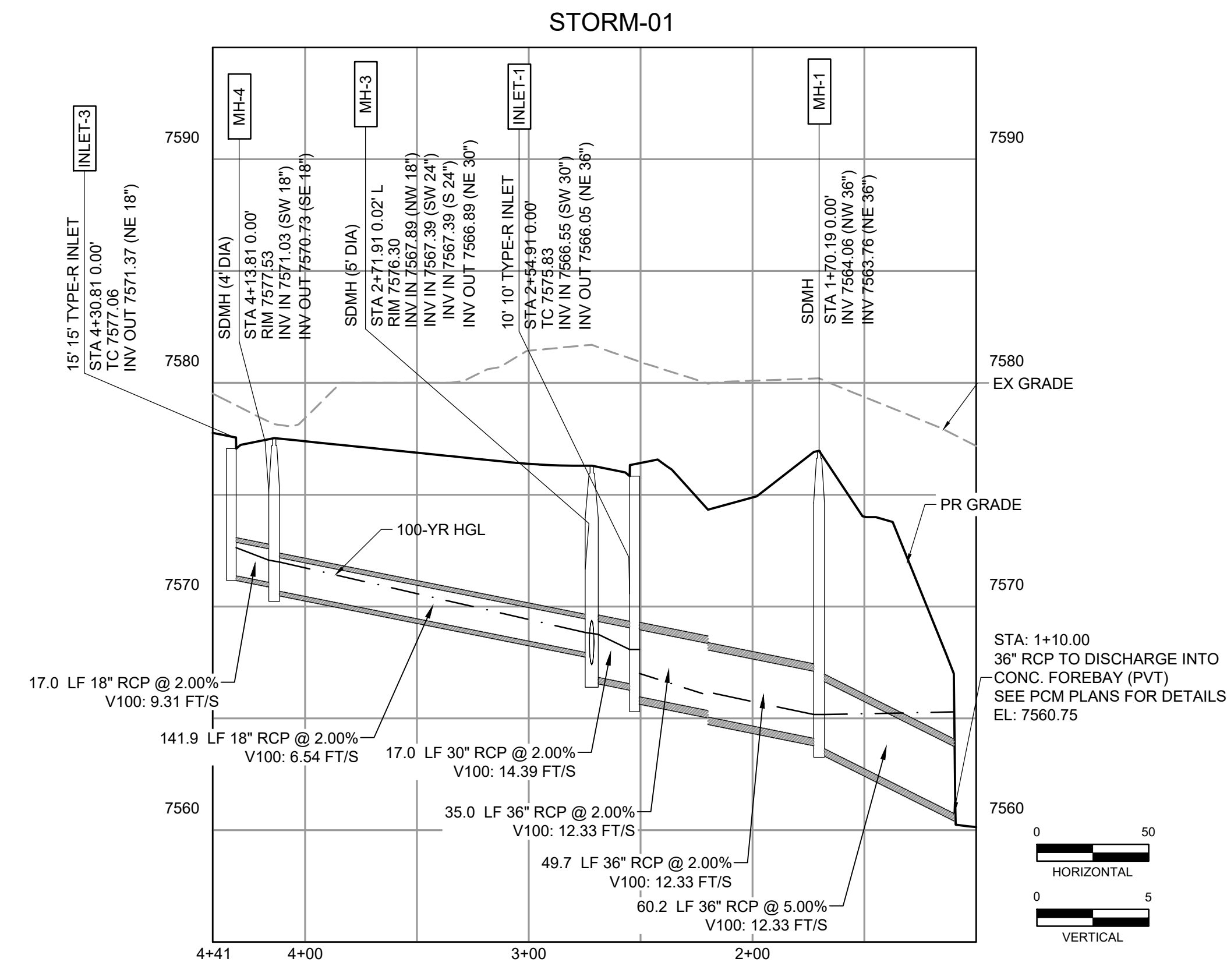
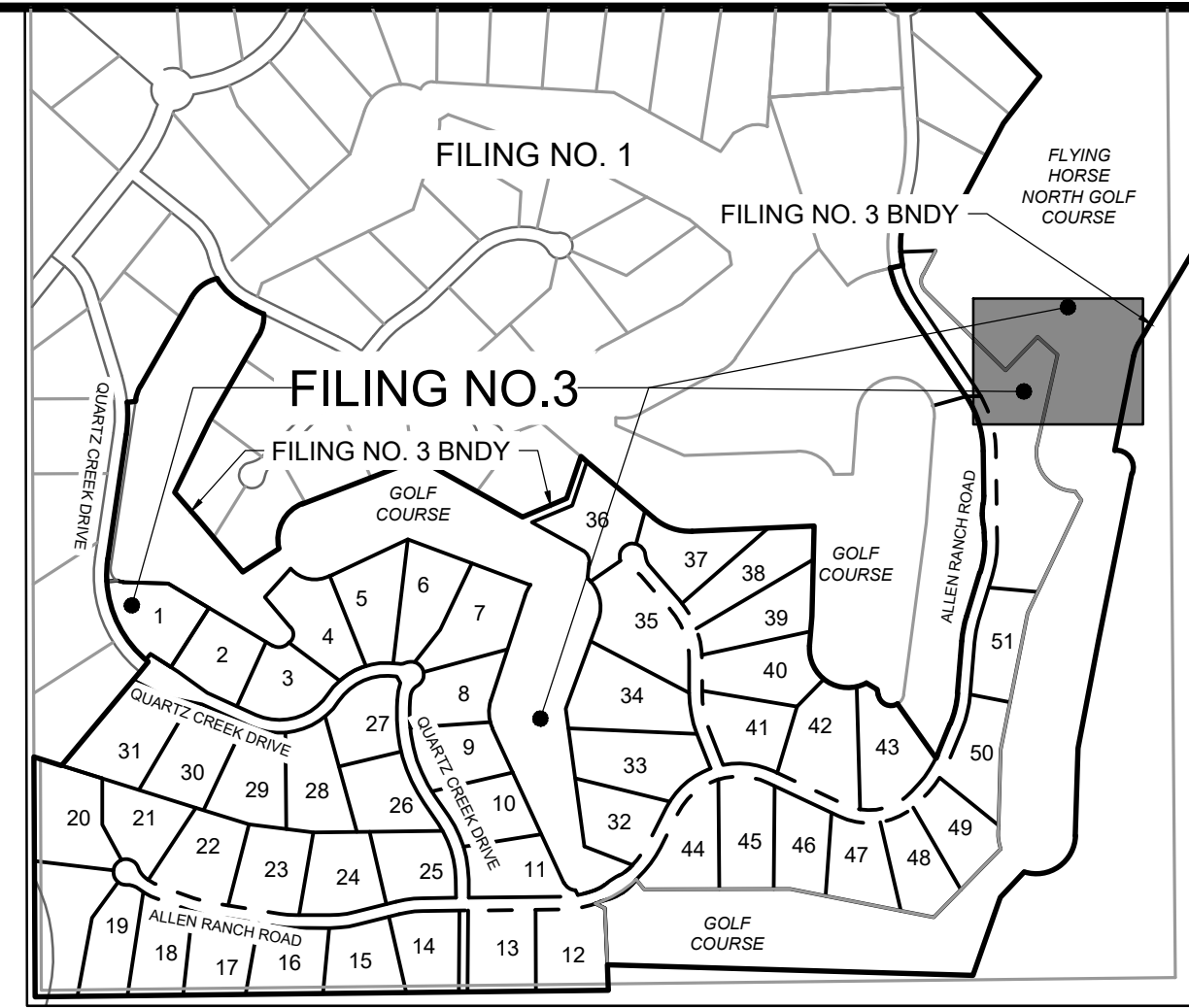
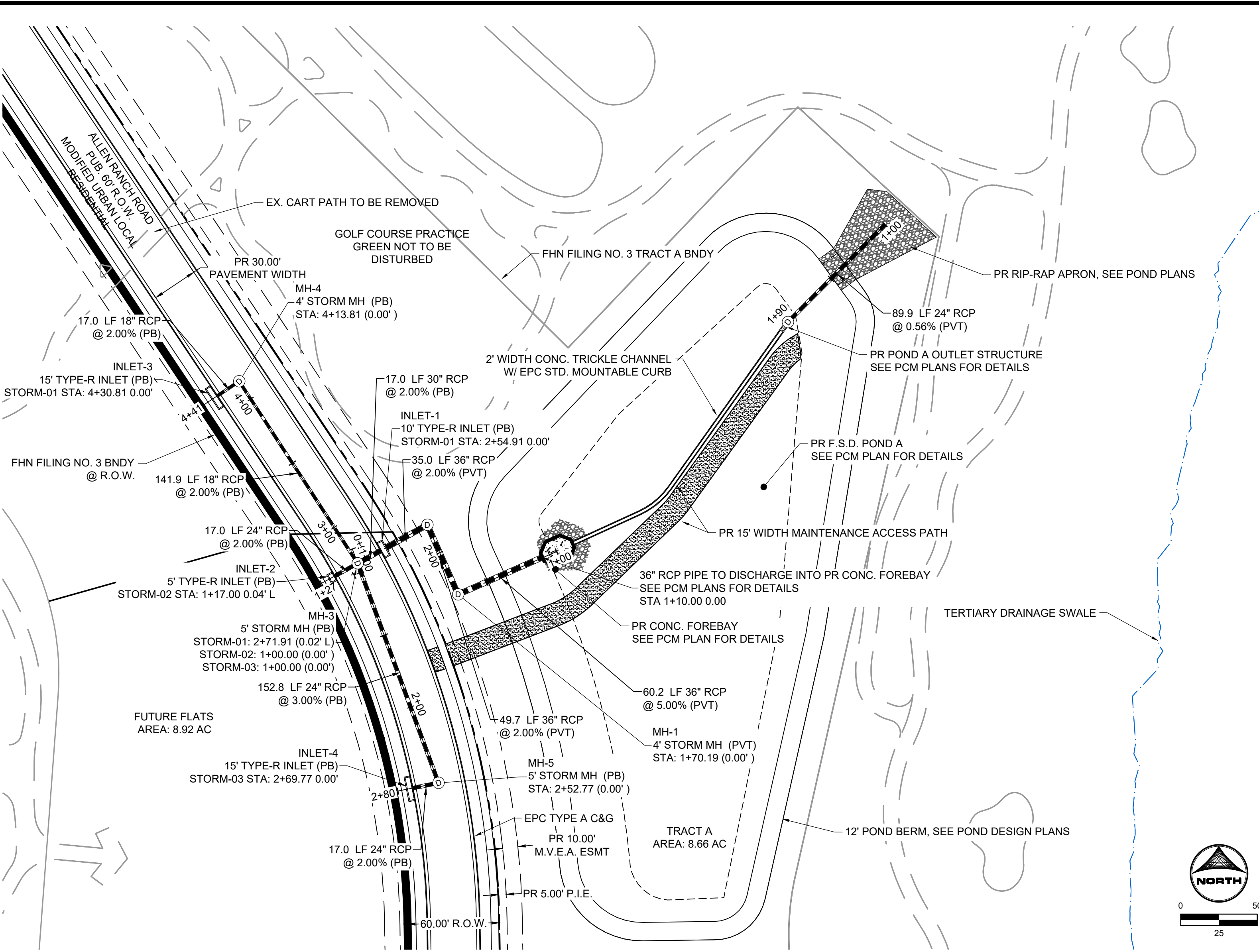
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**FLYING HORSE NORTH FILING 3
 PRI #2, LLC.
 EL PASO COUNTY, CO**

CONSTRUCTION DOCUMENTS
 STRIPING & SIGNAGE

SHEET
 ST
 15

HERGER, DANIEL, 3/4/2024 5:30 PM

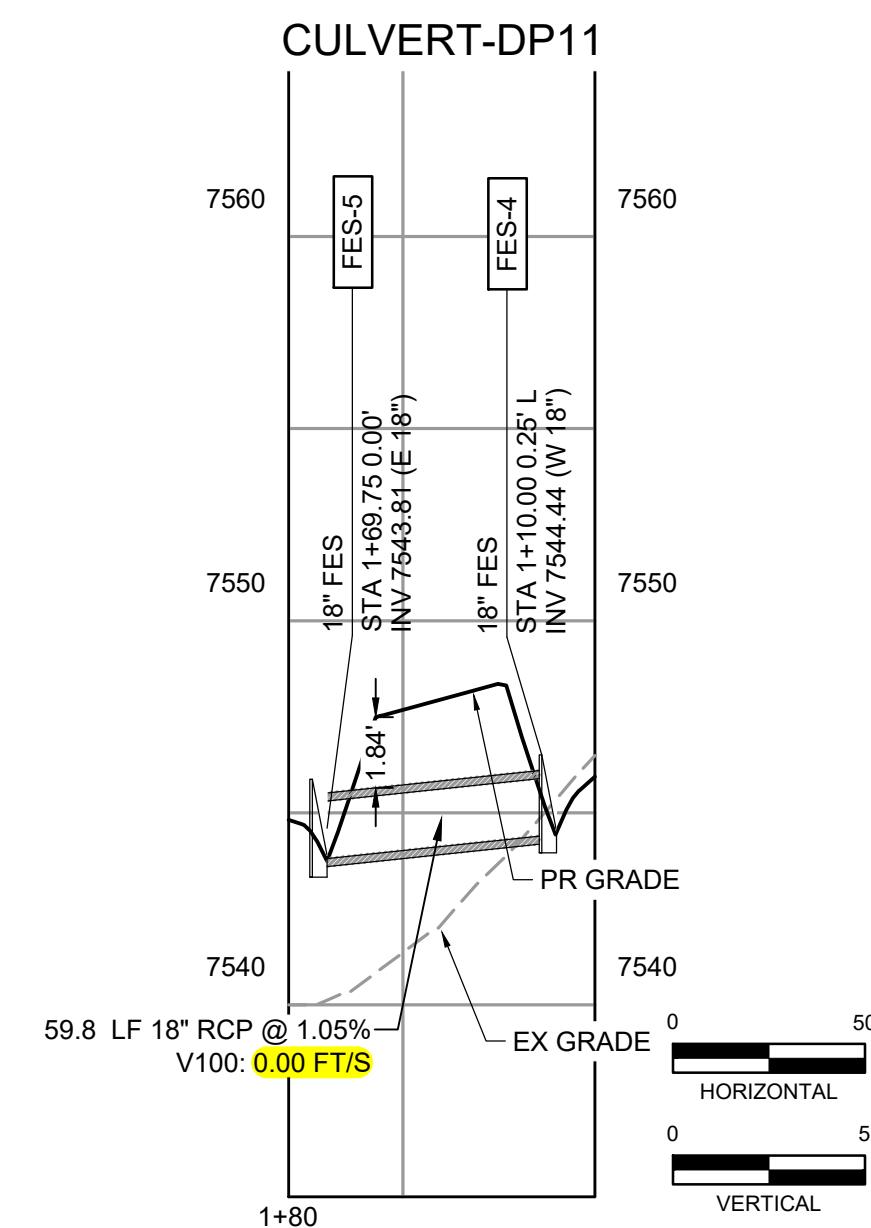
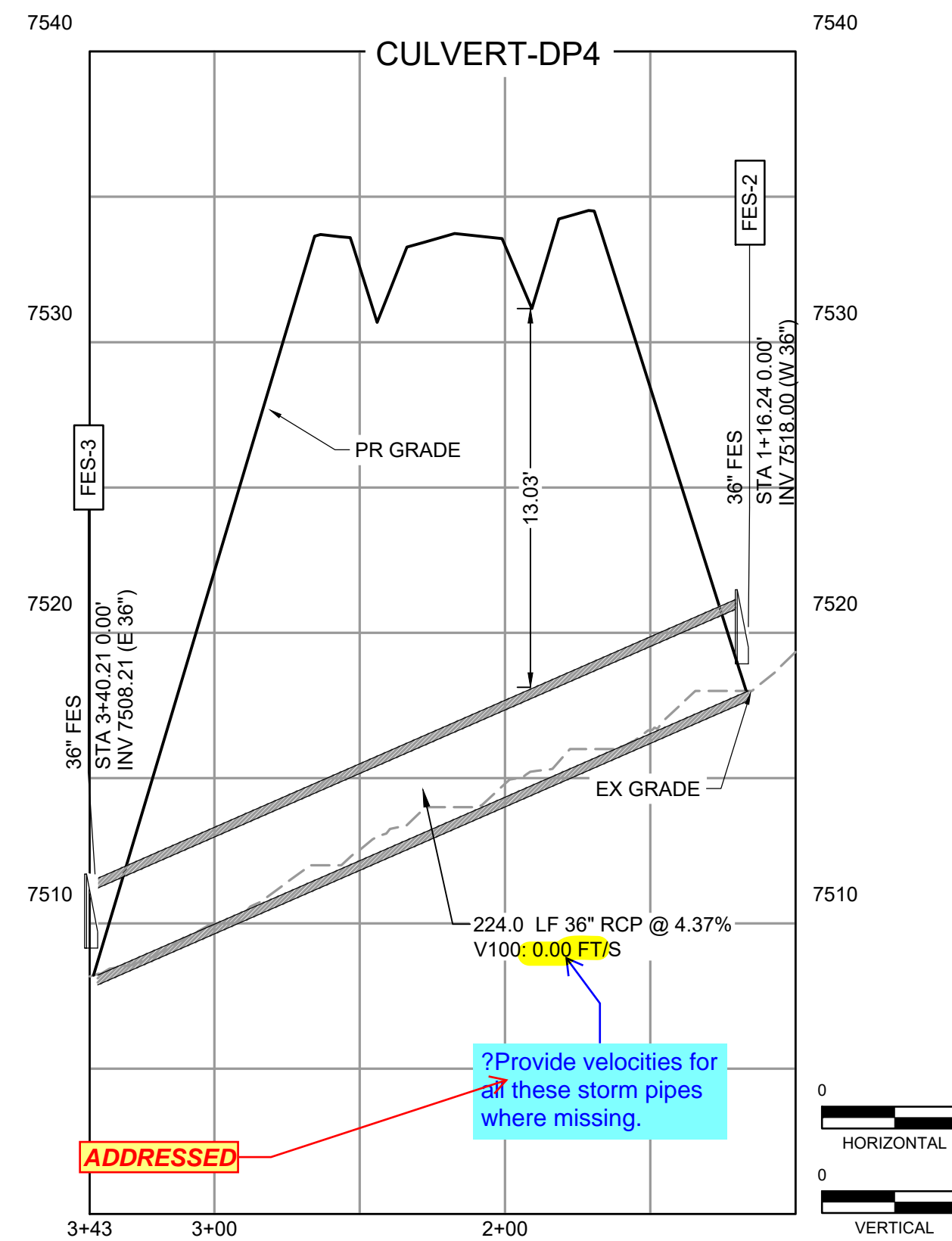
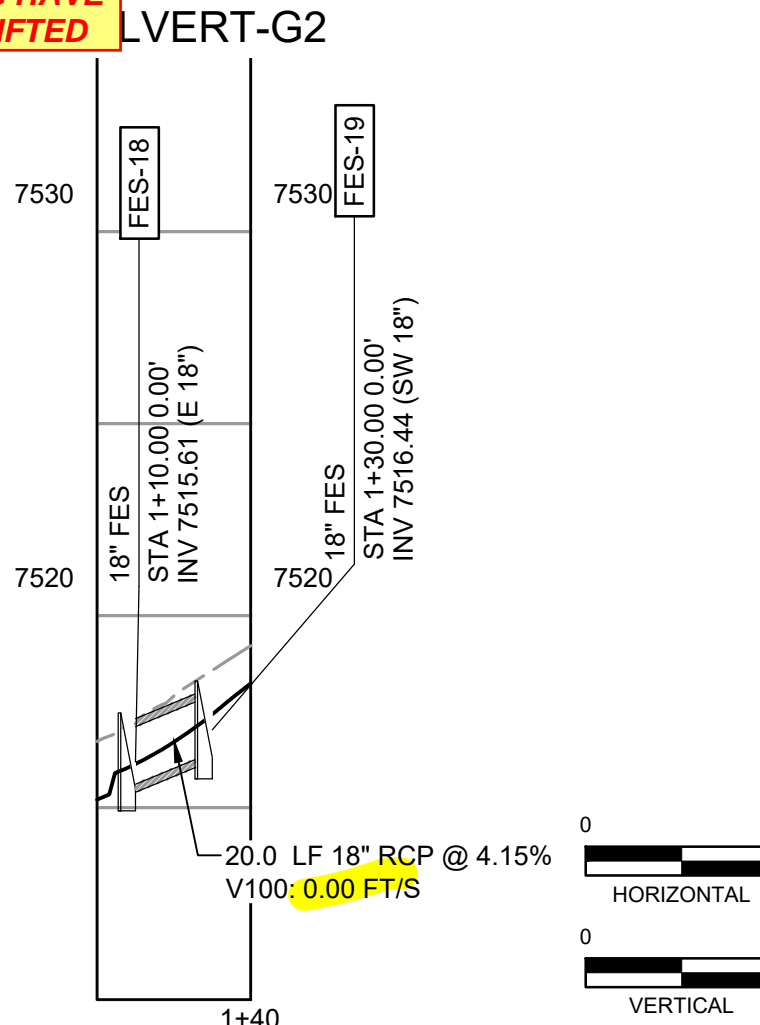
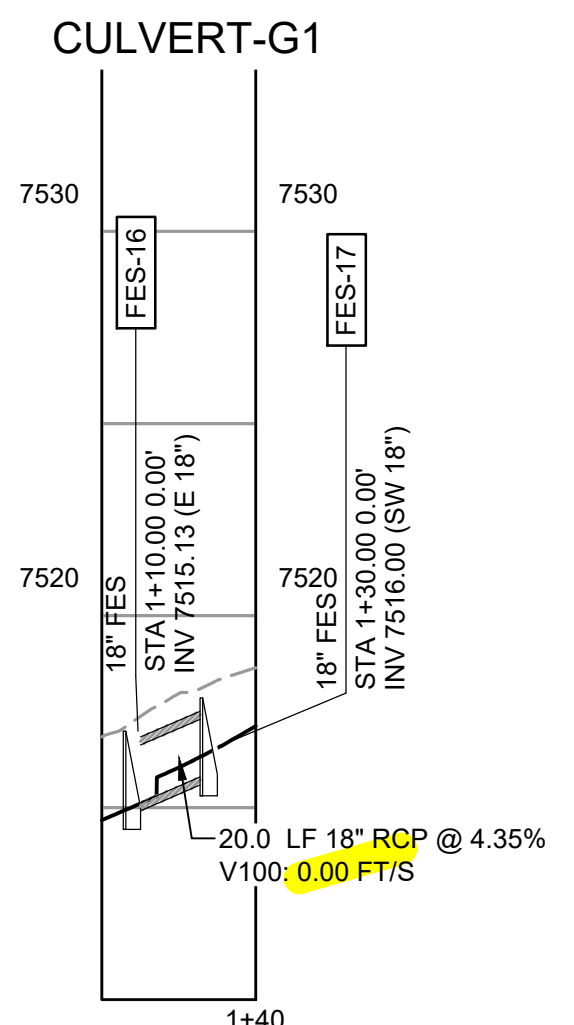
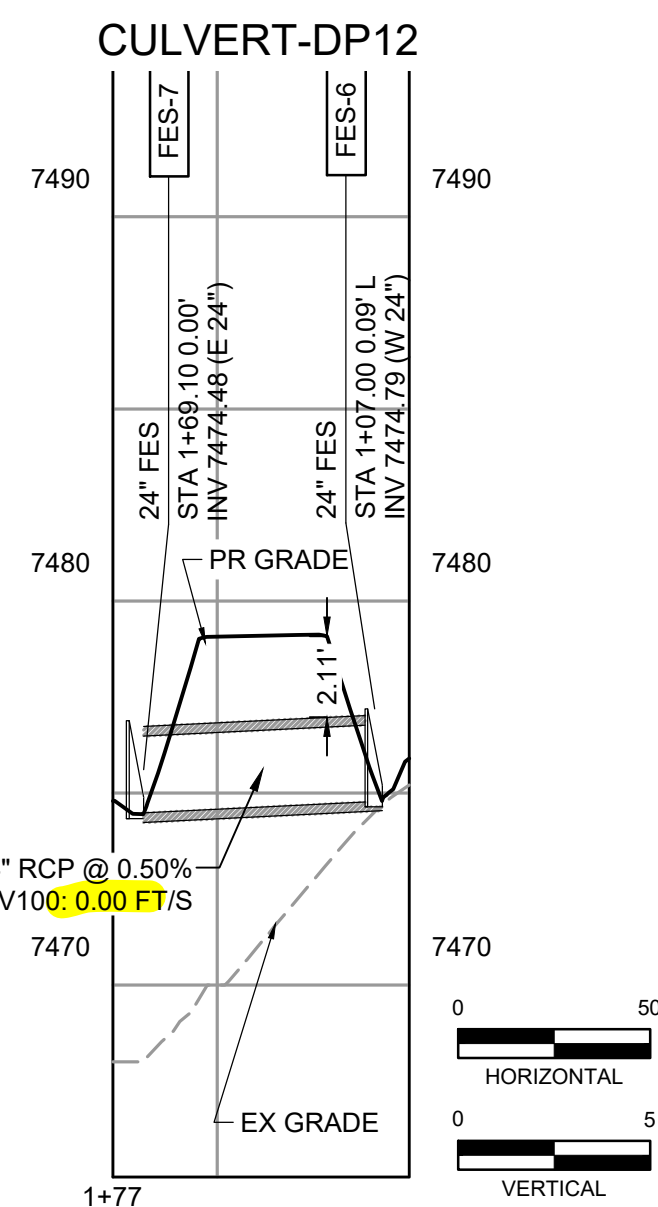
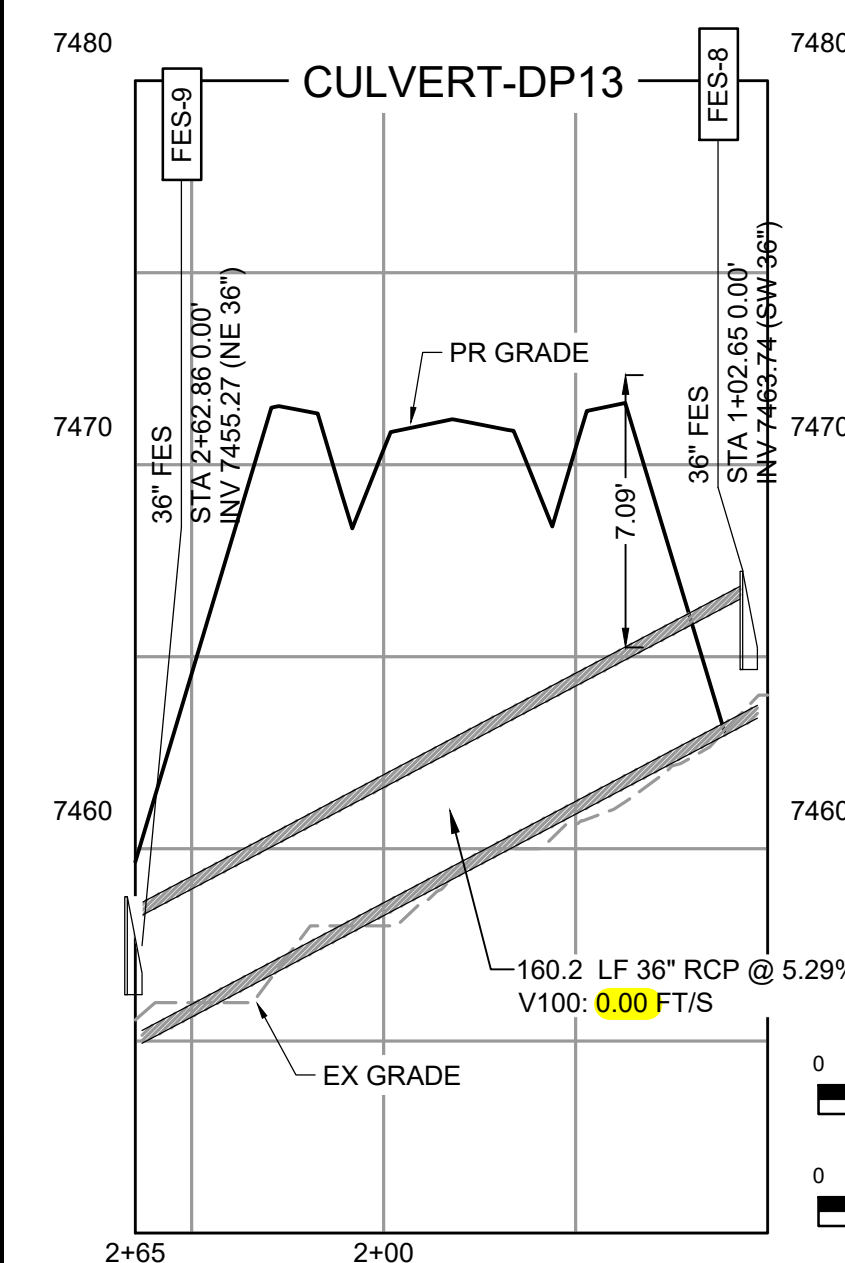
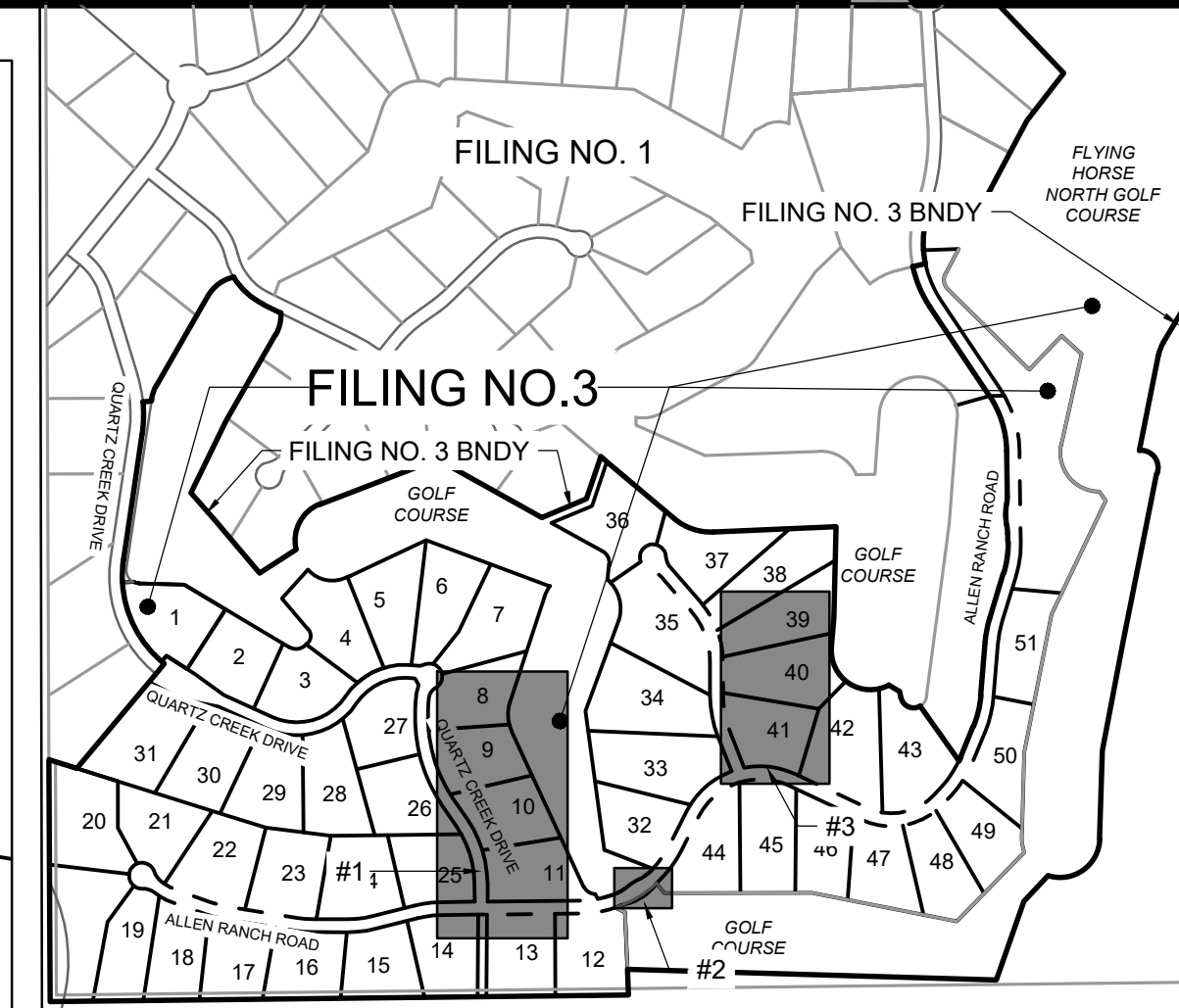
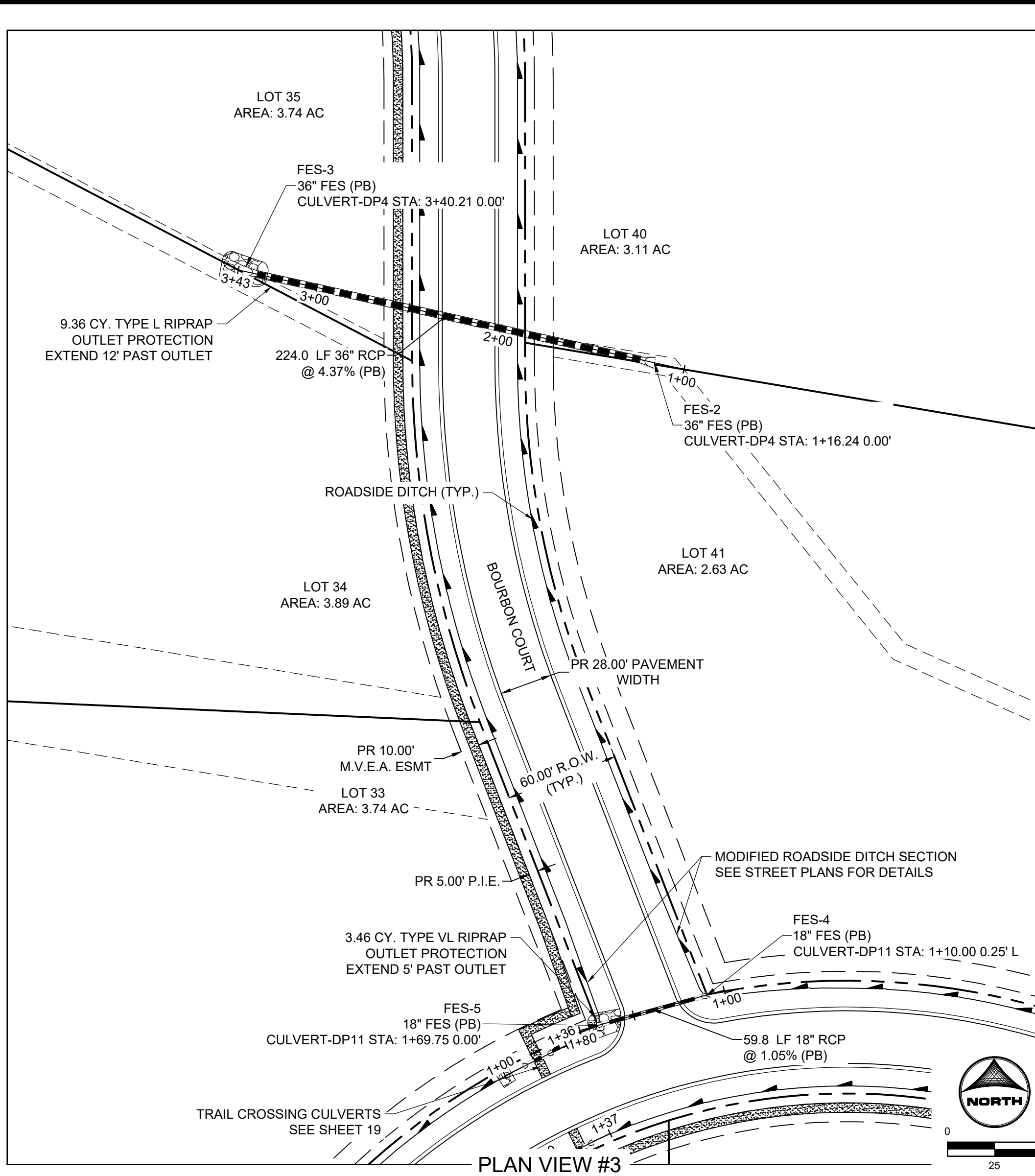
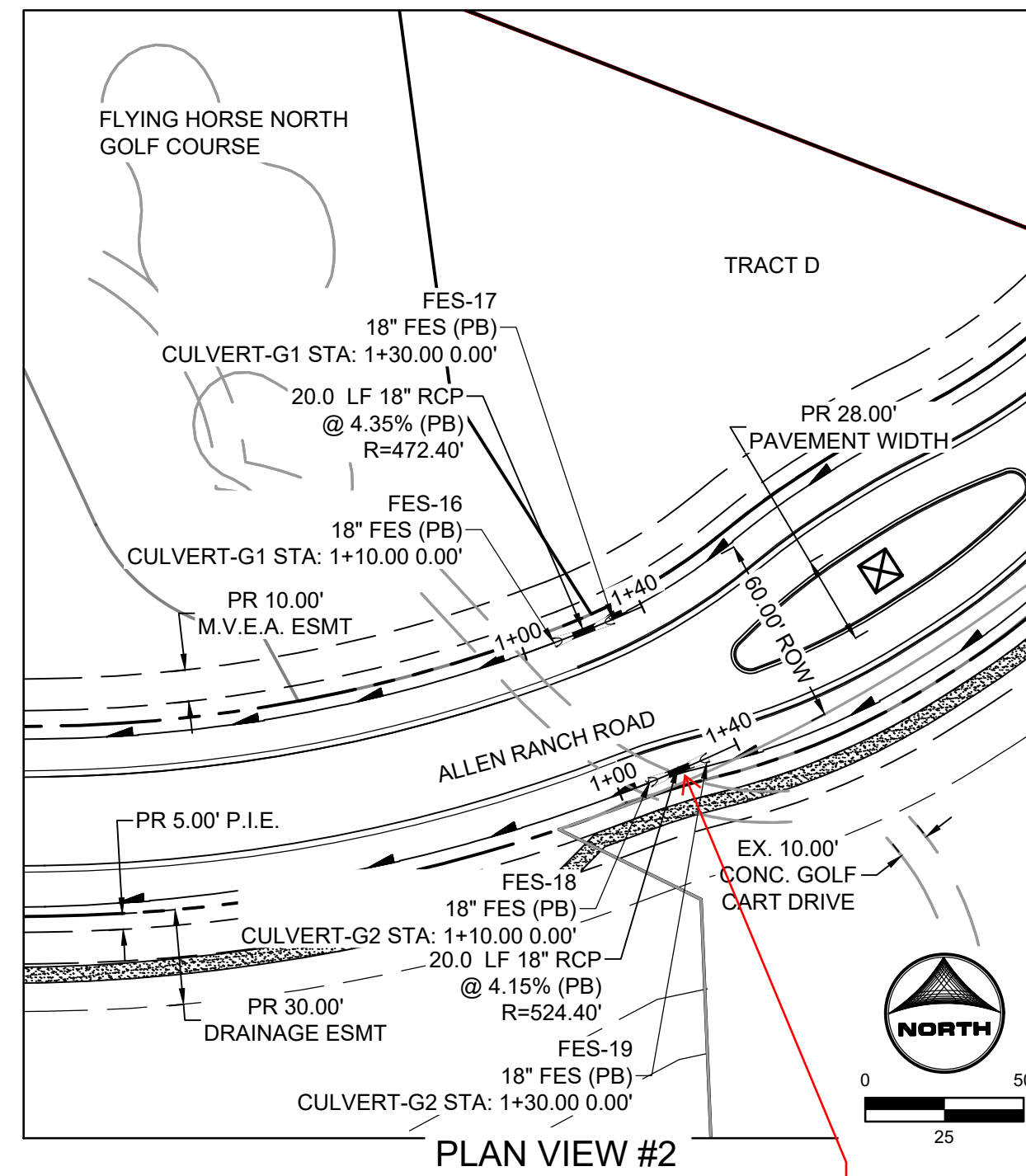
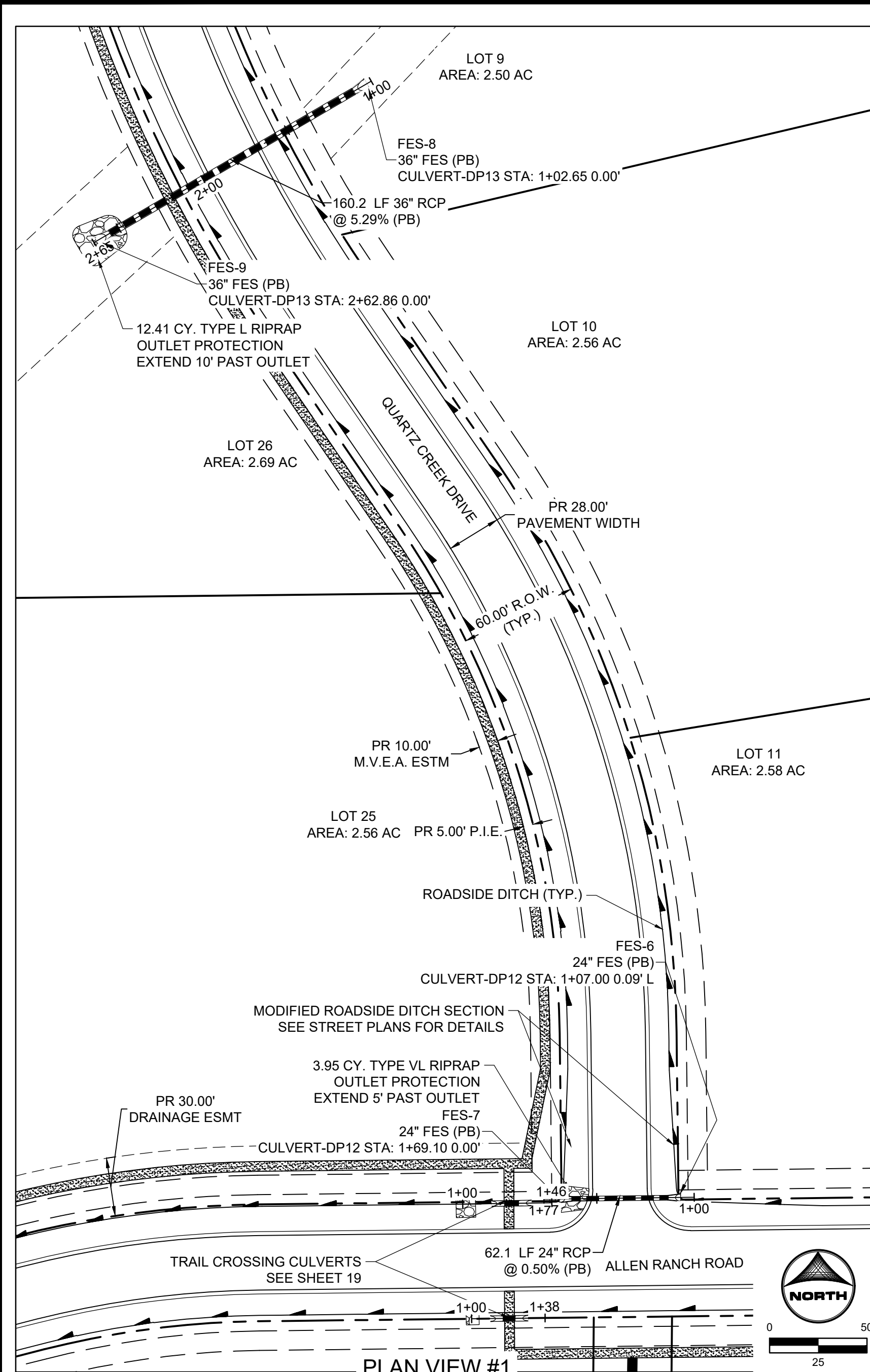


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 APPROVED: KMH JOB NUMBER: 211030 OFFICIAL DRAWINGS, SCALE: 1\"/>

NO.	DATE	BY	REVISION DESCRIPTION

HR GREEN - COLORADO SPRINGS
 1975 RESEARCH PARKWAY SUITE 230
 COLORADO SPRINGS, CO 80920
 PHONE: 719.300.4140
 FAX: 719.965.0044

FLYING HORSE NORTH FILING 3
 PRI #2, LLC.
 EL PASO COUNTY, CO



CULVERTS UNDER THE CART CROSSING HAVE BEEN SHIFTED

ADDRESSED

?Provide velocities for all these storm pipes where missing.

DRAWN BY: DLH JOB DATE: CONSTRUCTION DOCUMENT NO. 8
 APPROVED: KMH JOB NUMBER: 211030 OFFICIAL DRAWINGS.
 CAD DATE: 3/4/2024 IF NOT ONE INCH, ADJUST SCALE ACCORDINGLY.
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NO.	DATE	BY	REVISION DESCRIPTION

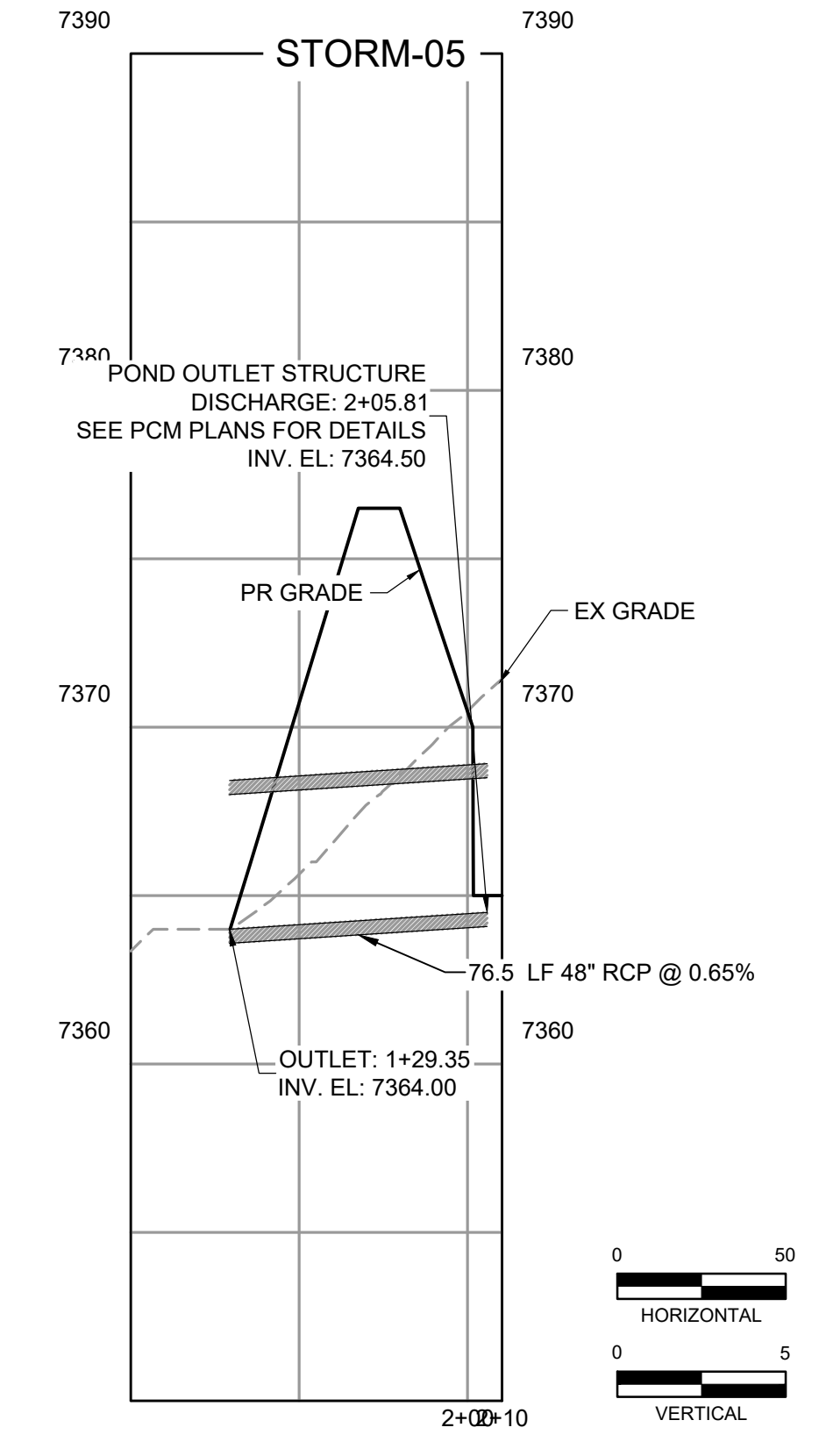
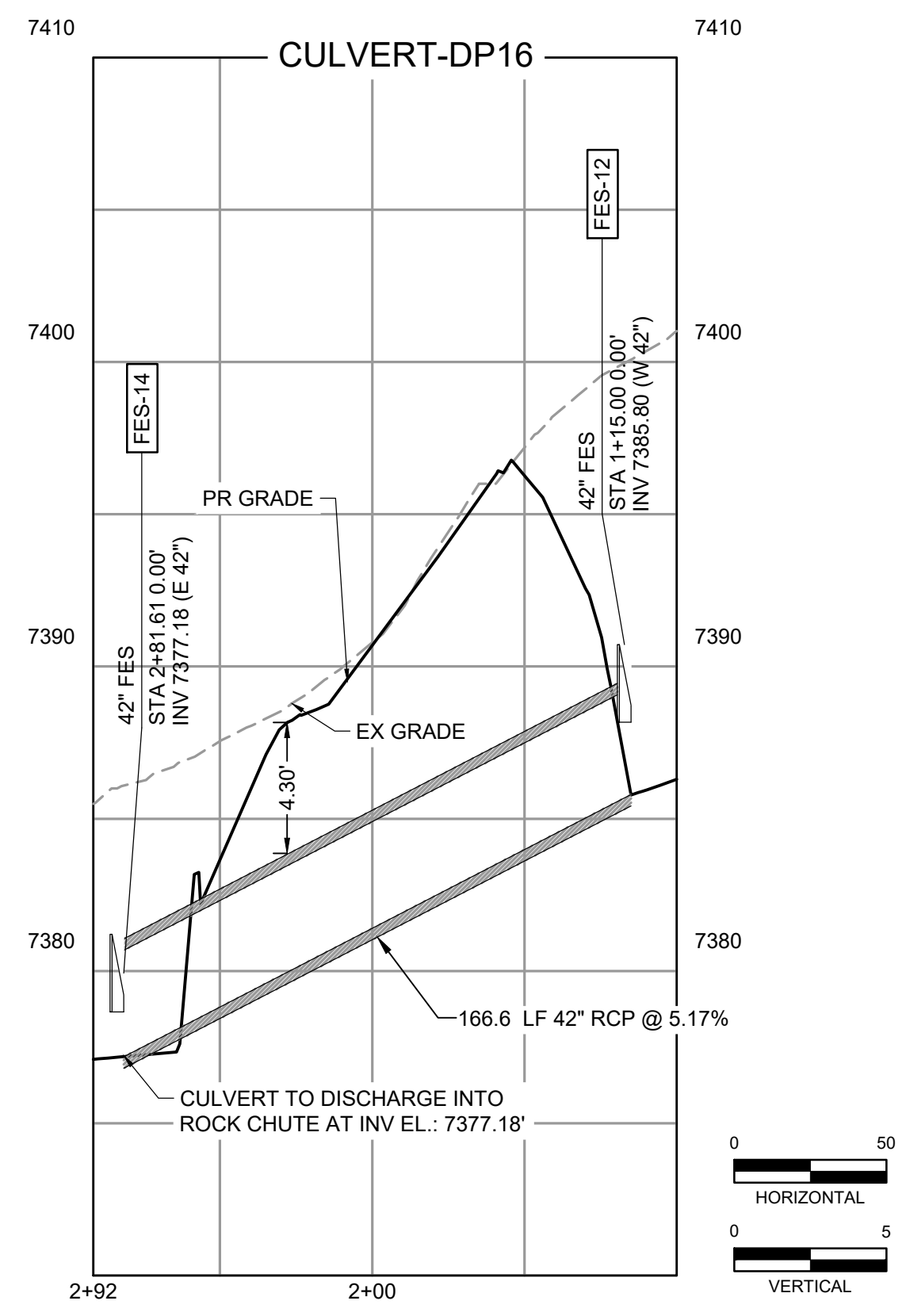
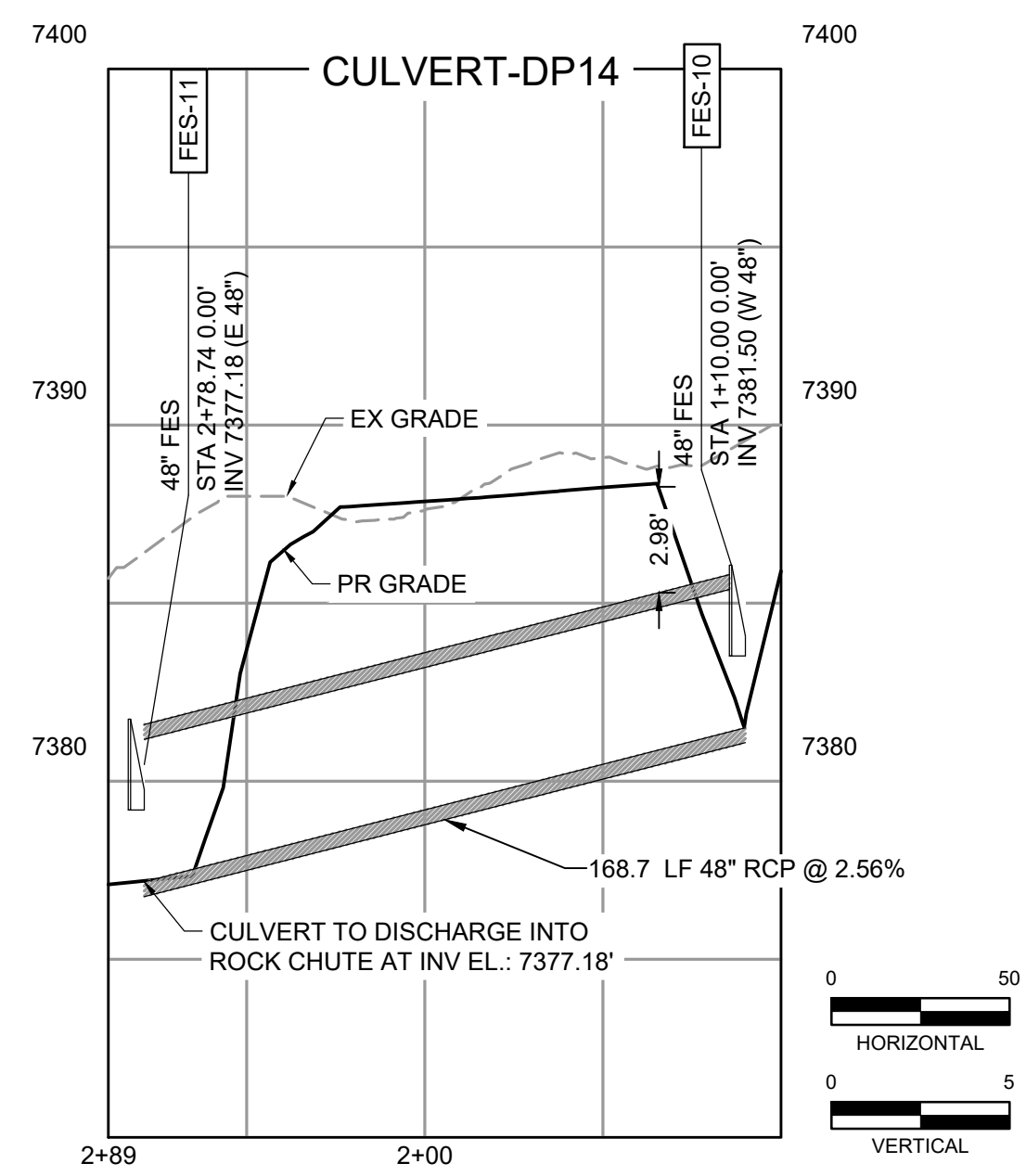
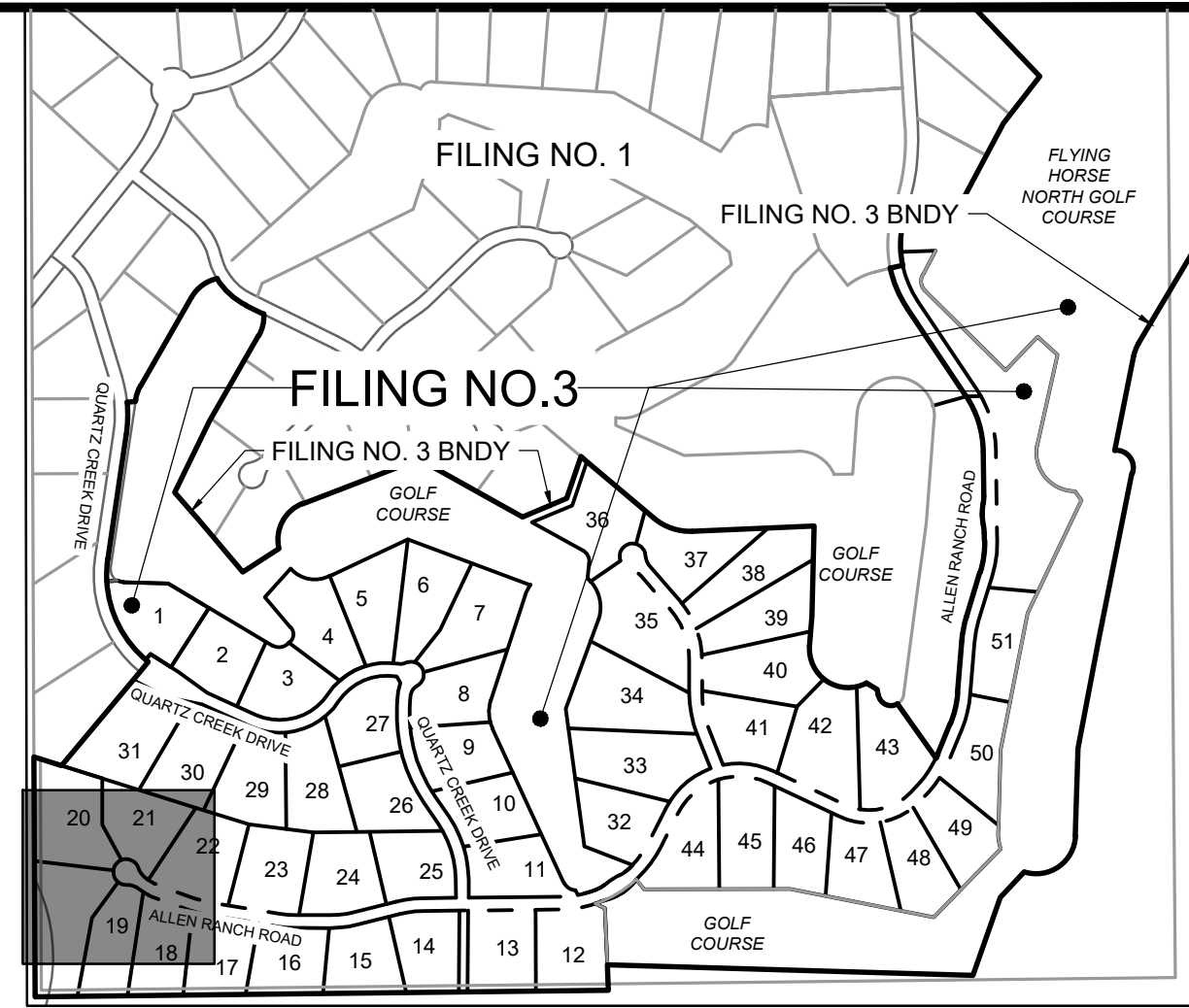
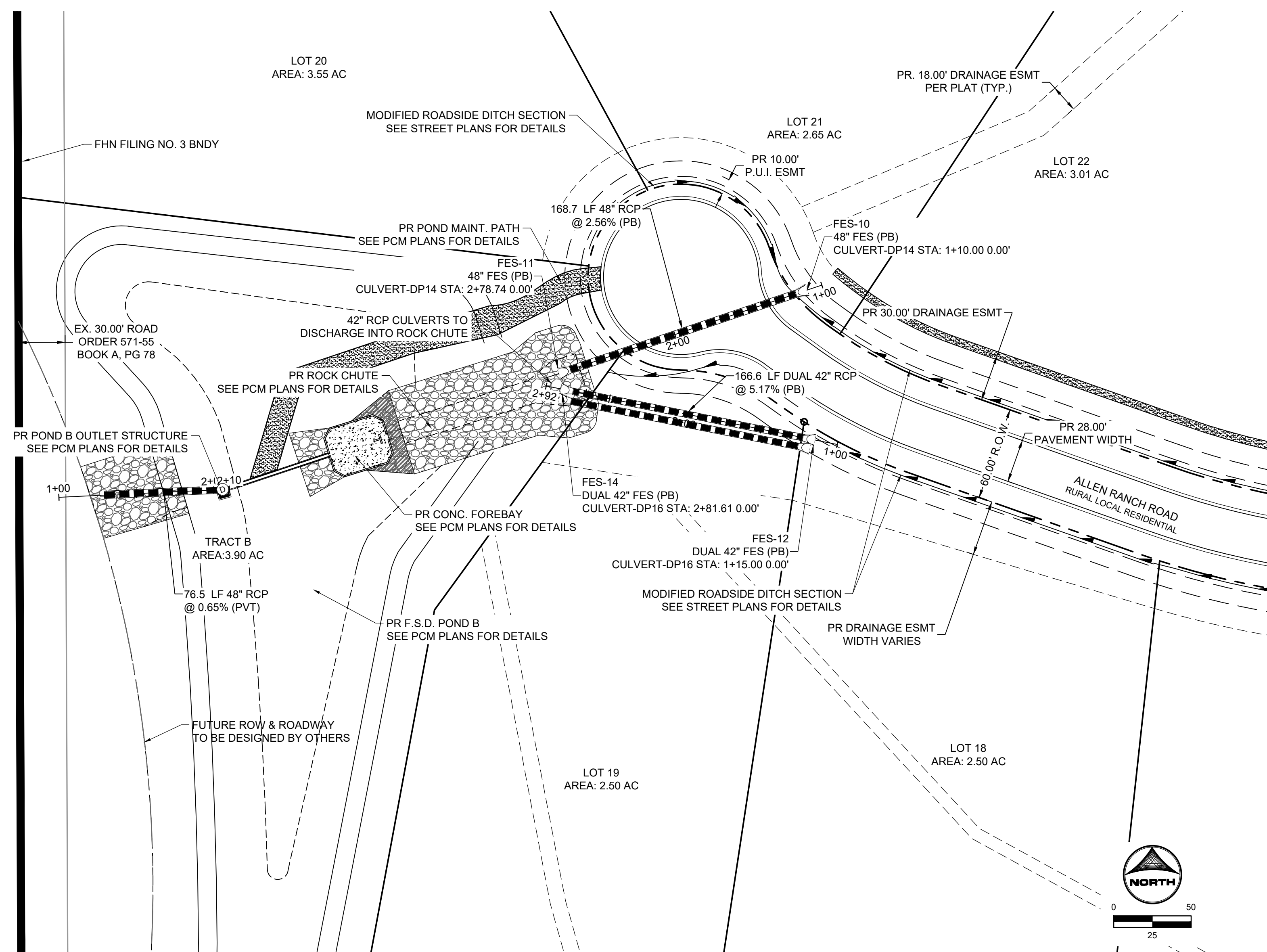


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 EL PASO COUNTY, CO

STORM SEWER PLAN & PROFILES
 CULVERT PIPES

SHEET
 STM
 17



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 APPROVED: KMH JOB NUMBER: 211030
 CAD DATE: 3/4/2024
 CAD FILE: J:\2021\211030\CAD\DWG\C\Estates_CDs\Storm_PNP

NO.	DATE	BY	REVISION DESCRIPTION

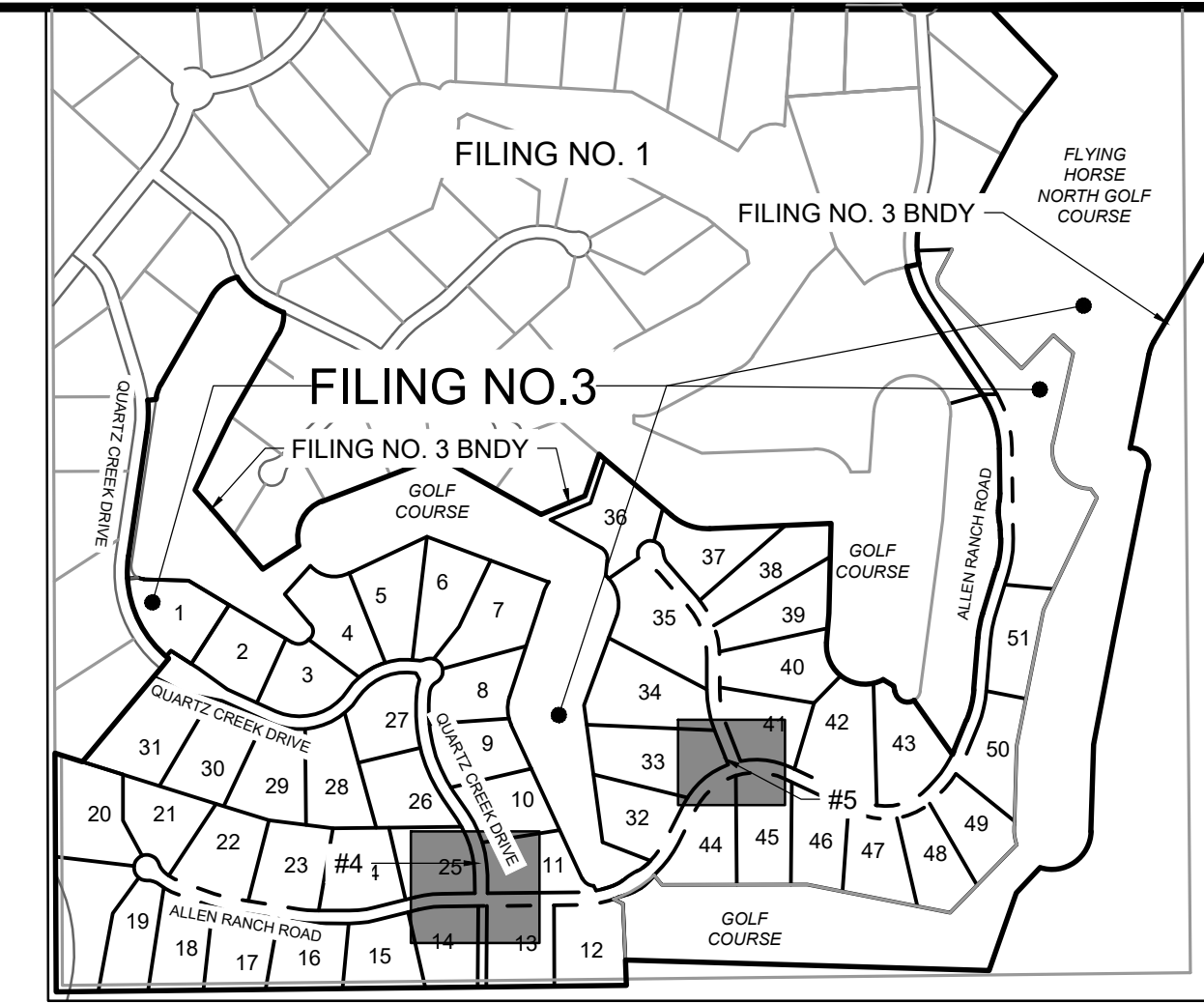
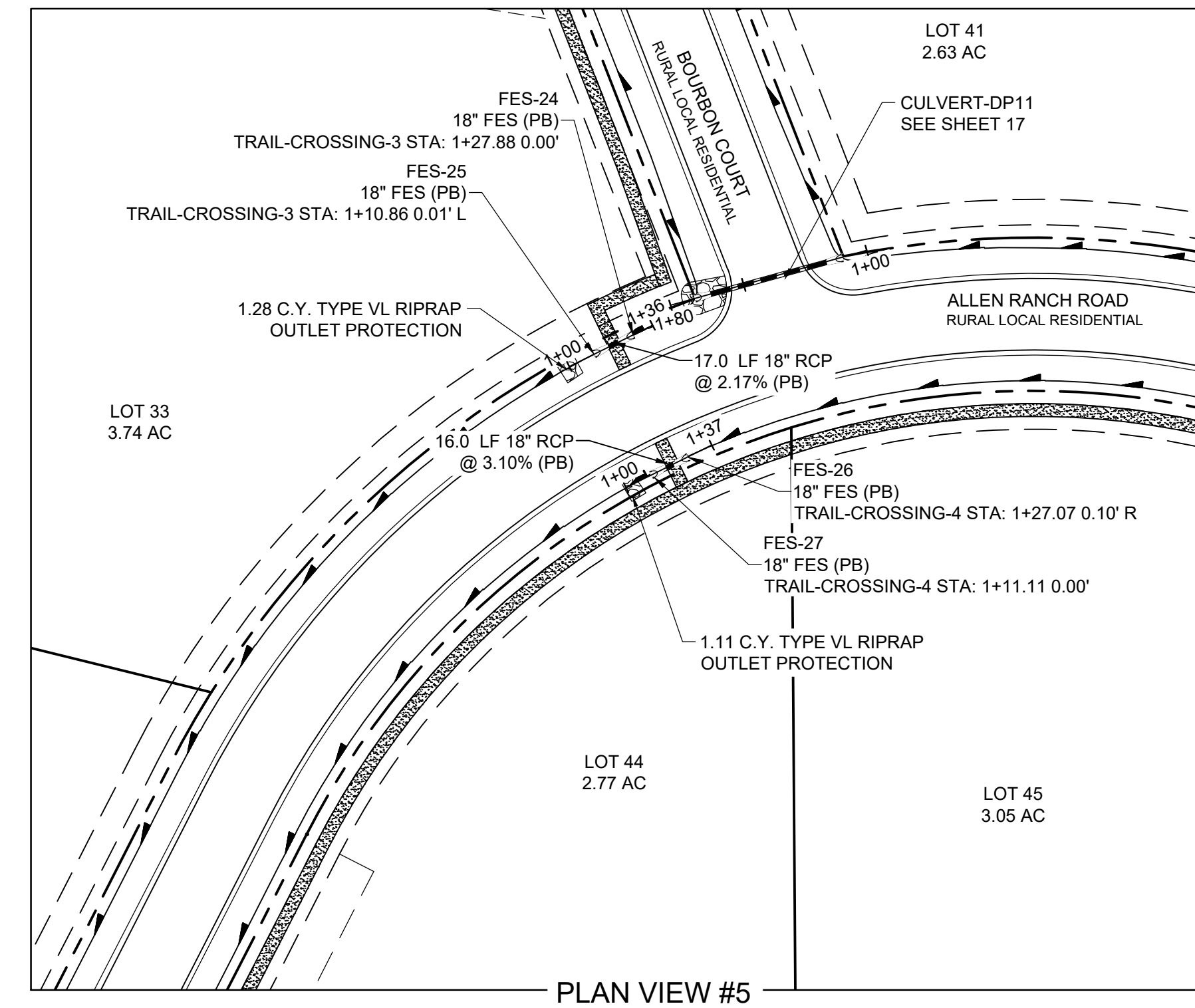
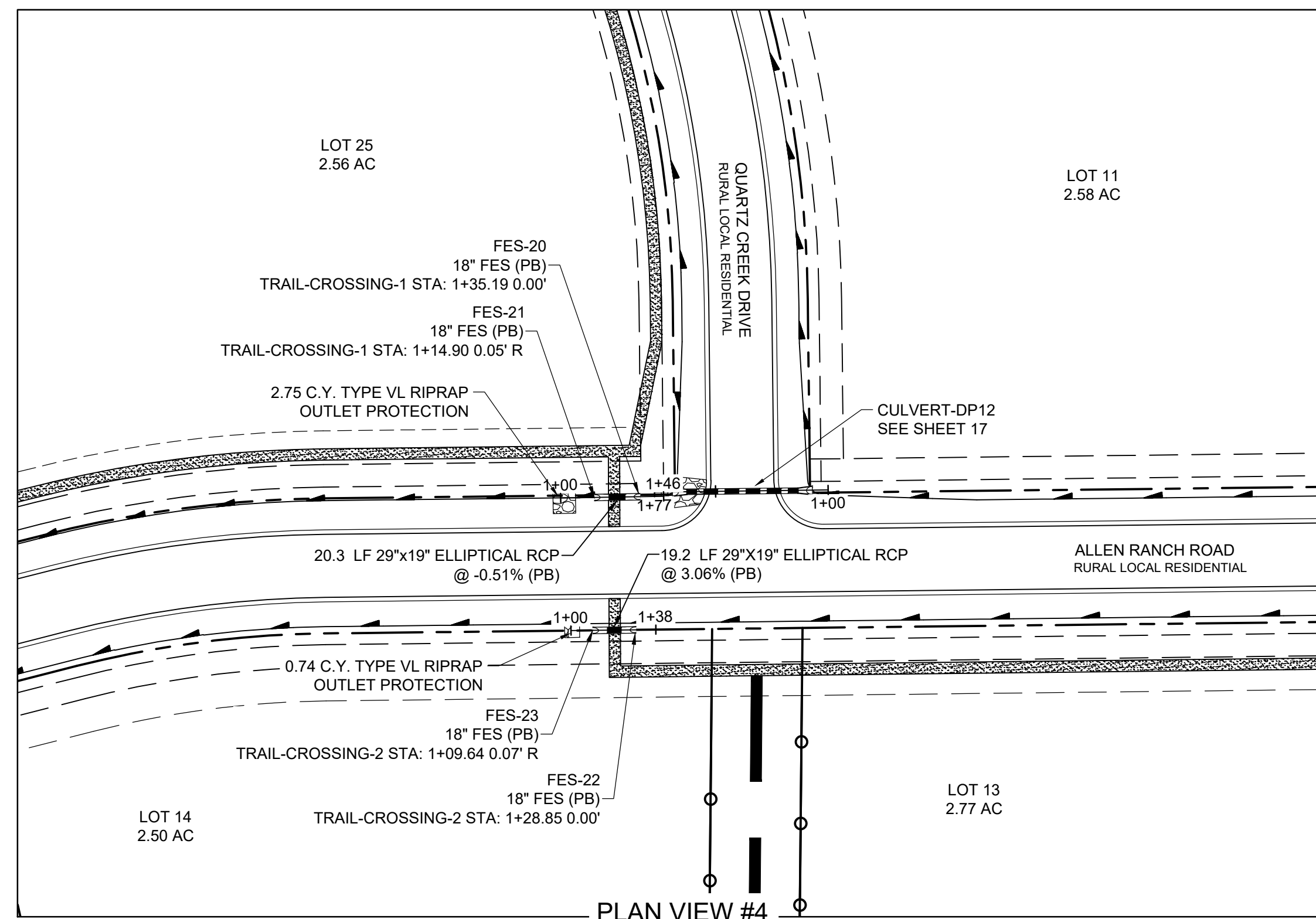


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 COLORADO SPRINGS, CO 80920
 PHONE: 719.300.4140
 FAX: 713.965.0044

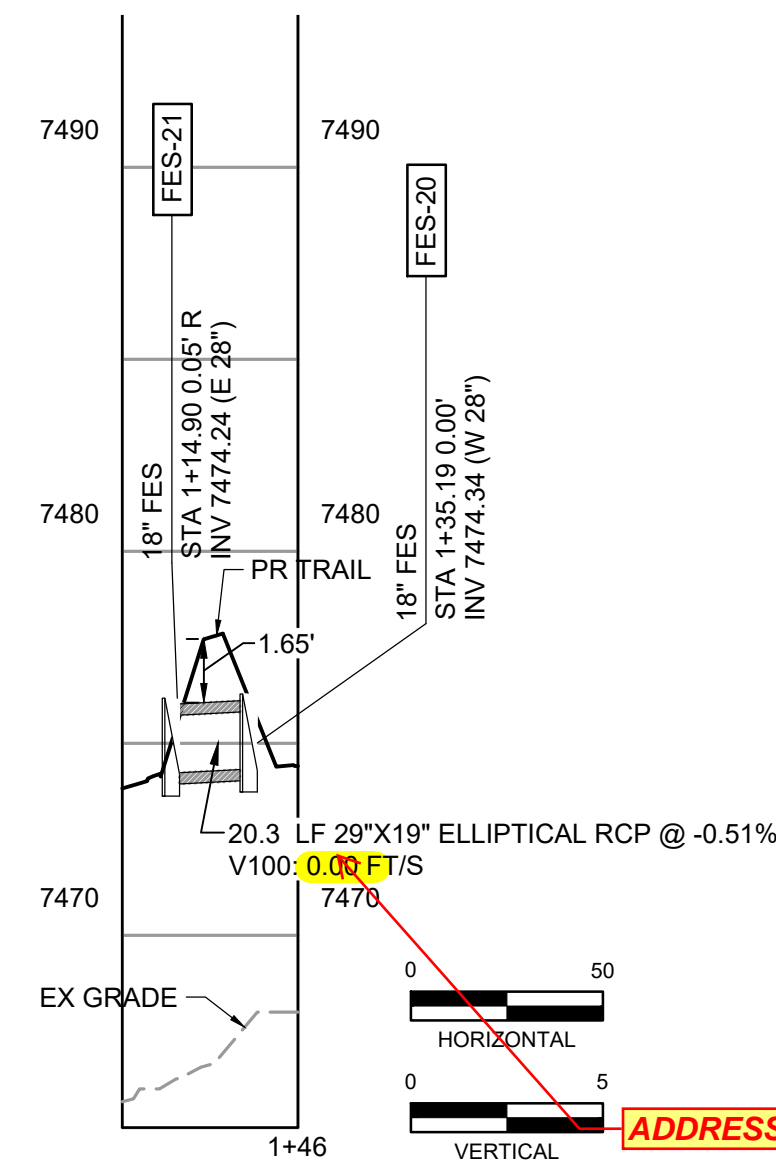
FLYING HORSE NORTH FILING 3
 PRI #2, LLC.
 EL PASO COUNTY, CO

STORM SEWER PLAN & PROFILES
 ALLEN RANCH ROAD & TRACT B

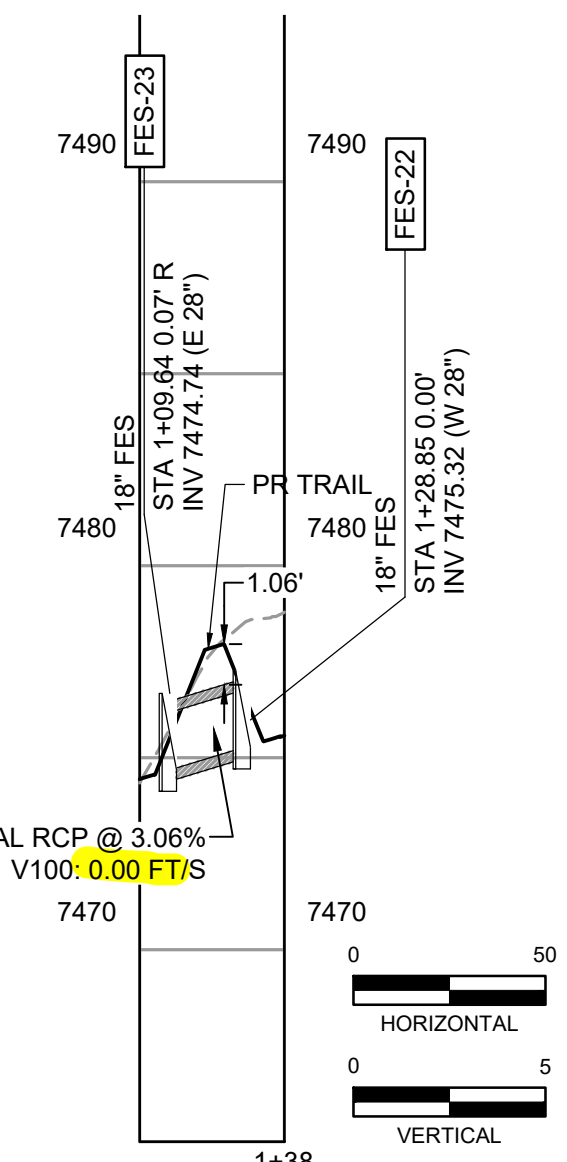
SHEET
 STM
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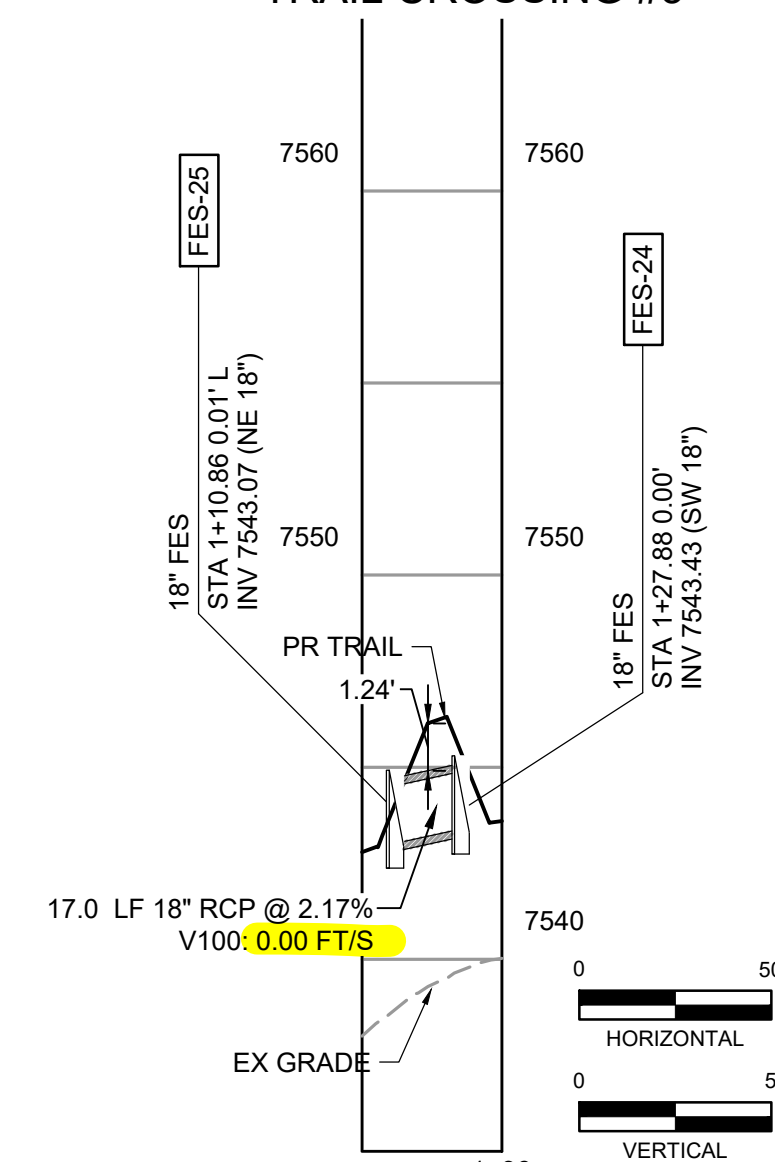
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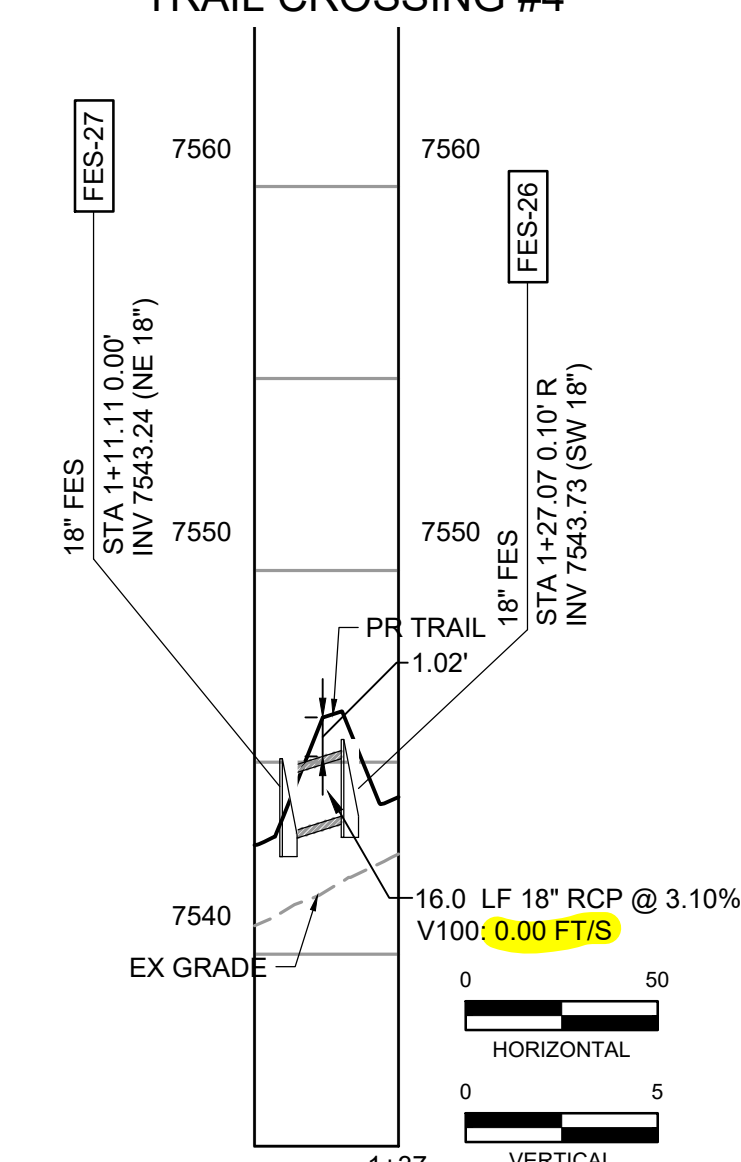
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TRAIL CROSSING #3



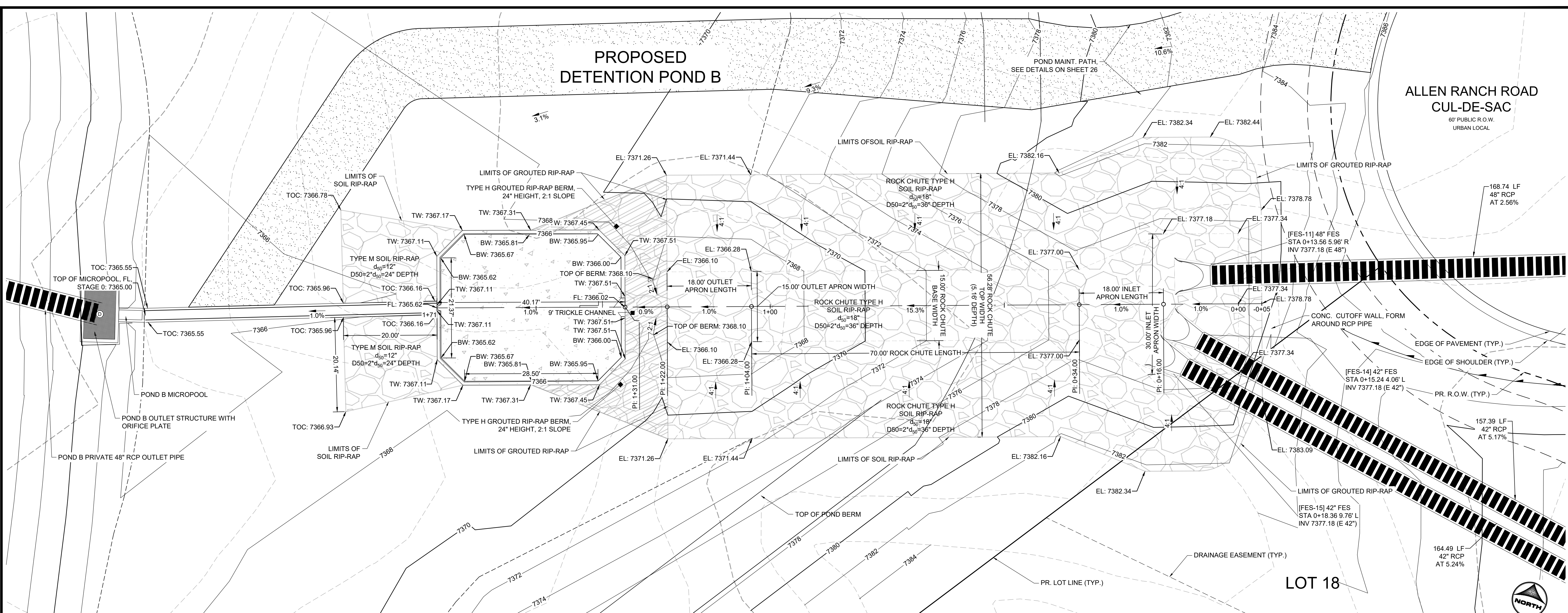
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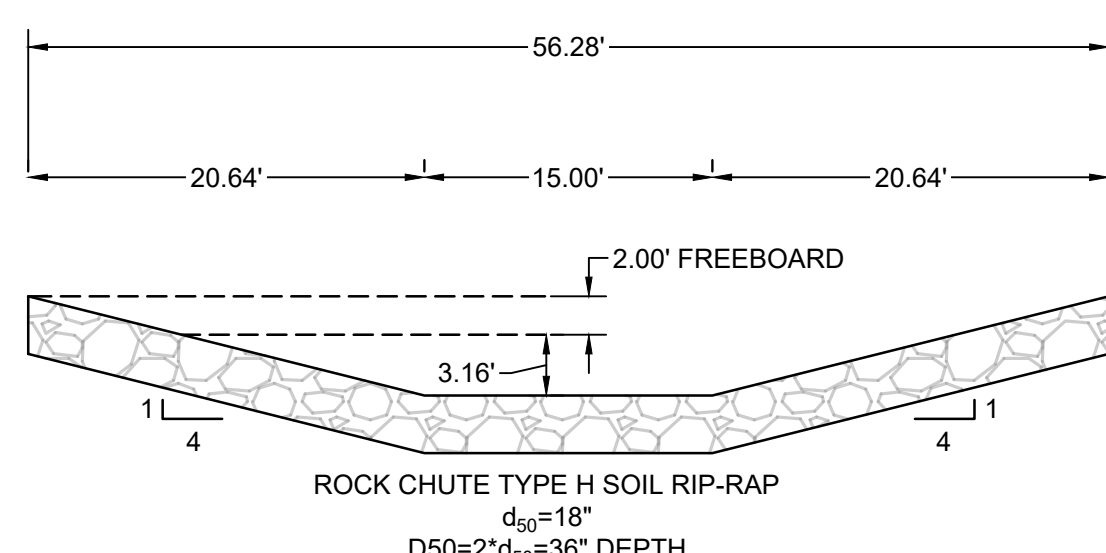
NO.	DATE	BY	REVISION DESCRIPTION

PROPOSED DETENTION POND B

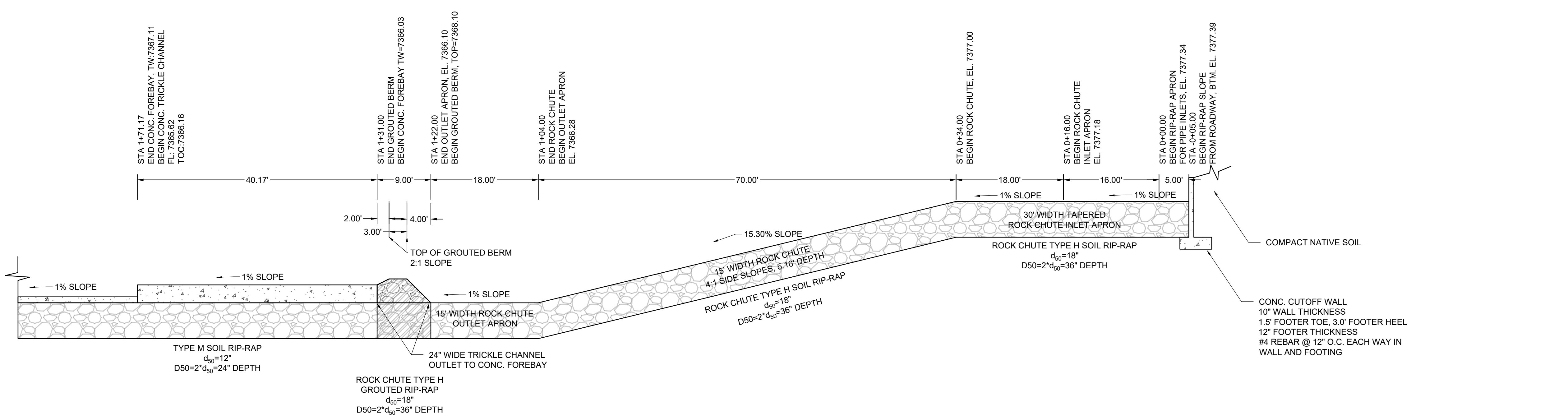
ALLEN RANCH ROAD
CUL-DE-SAC
60' PUBLIC R.O.W.
URBAN LOCAL



15' WIDTH ROCK CHUTE PLAN
(SCALE: 1"=10')



15' WIDTH ROCK CHUTE SECTION
(SCALE: 1"=10')



15' WIDTH ROCK CHUTE PROFILE
(SCALE: 1"=10')

DRAWN BY: AXB JOB DATE: 11/16/2023
 APPROVED: KMH JOB NUMBER: 211030
 CAD DATE: 3/4/2024
 CAD FILE: J:\2021\211030\CAD\DWG\C\Estates_CDs\Rock Chute Detail

BAR IS ONE INCH ON OFFICIAL DRAWINGS.
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NO.	DATE	BY	REVISION DESCRIPTION

HRGreen
 HR GREEN - COLORADO SPRINGS
 1975 RESEARCH PARKWAY SUITE 230
 COLORADO SPRINGS, CO 80920
 PHONE: 719.300.4140
 FAX: 719.965.0044

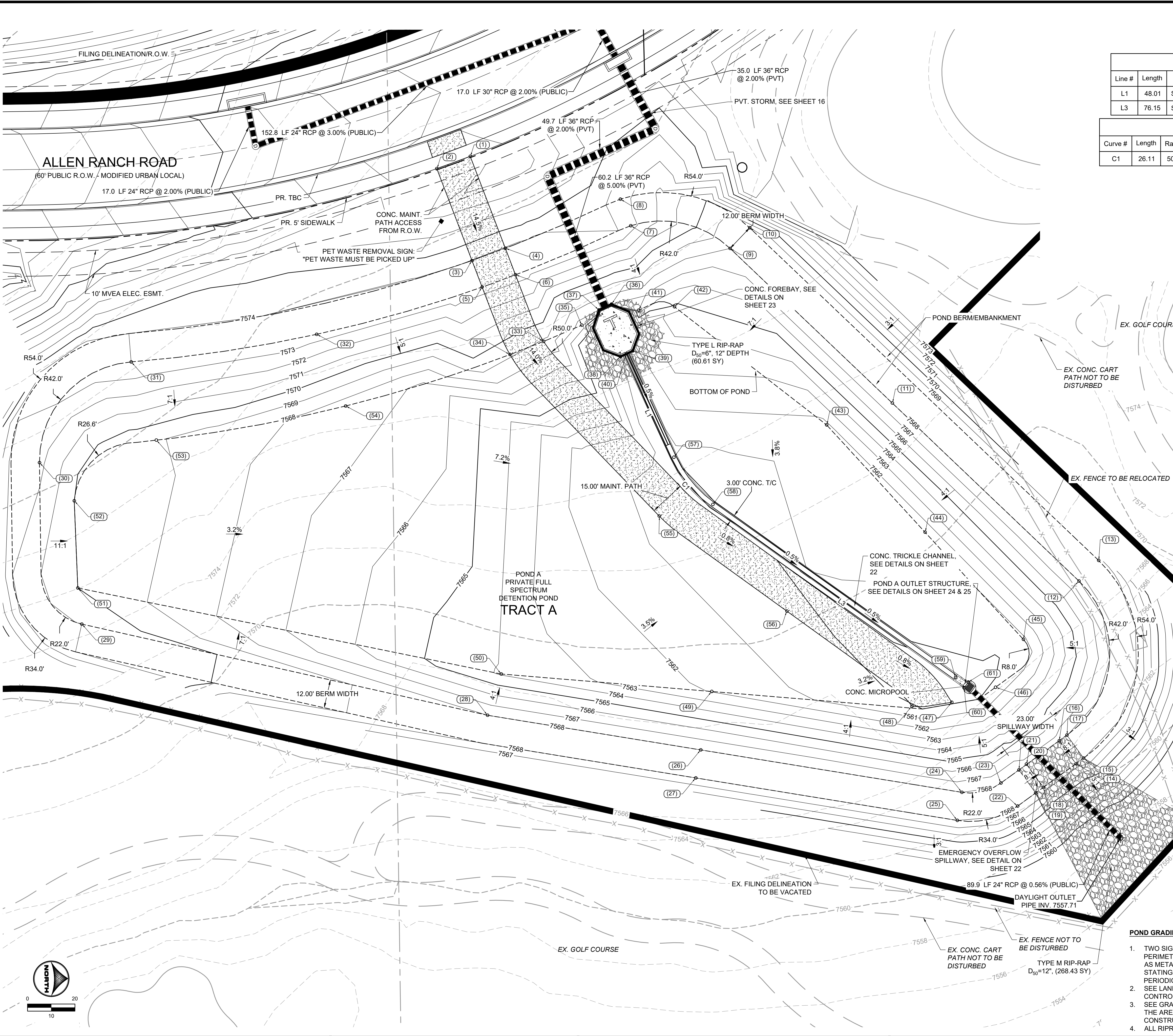
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 PRI #2, LLC.
 EL PASO COUNTY, CO

CONSTRUCTION DOCUMENTS
 ROCK CHUTE PLAN AND PROFILE

SHEET
STM
 20

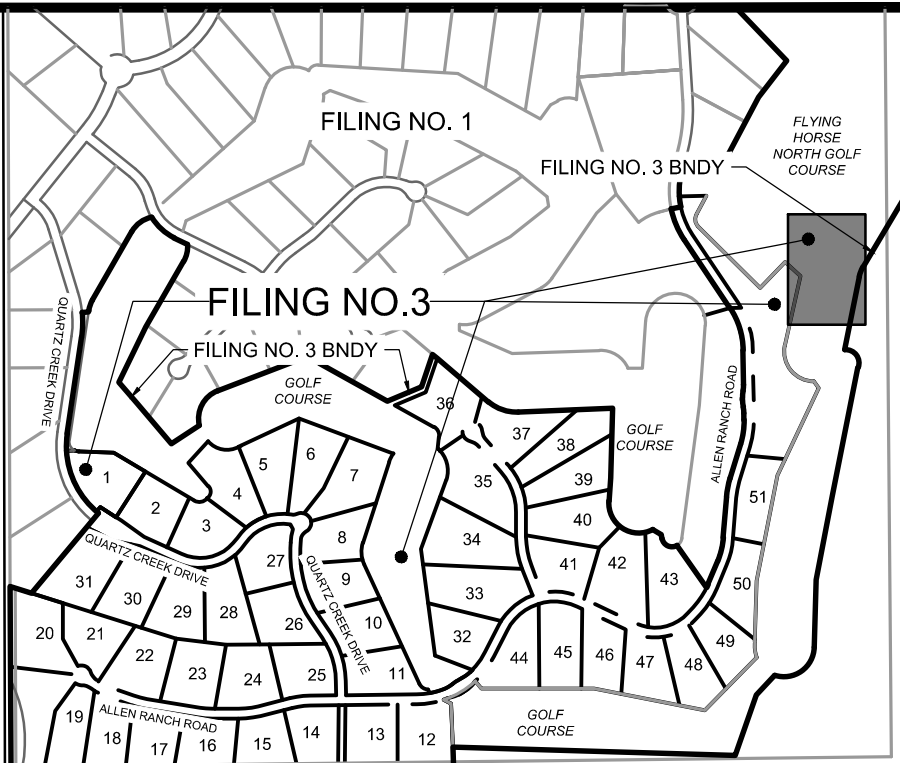
HERGER, DANIEL, 3/14/2024 5:32 PM

HR GREEN Xrefs: xc-dgn-030.202; xc-rdw-030.202; xc-dwg-030.202; xc-dgn-1030; xc-rdw-1030; xc-dwg-1030; key_map; Maintenance; Road; Riprap; Detail; Spillway; Profile; Spillway; Section; 2.0; Trickle; Channel; pond; grading; notes; Spillway; POND_A



Line Table			
Line #	Length	Direction	Centerline/Flowline
L1	48.01	S 65°23'51" W	Centerline
L3	76.15	S 35°28'45" W	Centerline

Curve Table				
Curve #	Length	Radius	Delta	Centerline/Flowline
C1	26.11	50.00	29°55'06"	Flowline



POINT TABLE				POINT TABLE			
No.	DESC.	NORTHING & EASTING	ELEV	No.	DESC.	NORTHING & EASTING	ELEV
(1)	Begin Maint. Road	N: 444397.98 E: 222117.93	7577.25	(32)	TOP	N: 444333.24 E: 222192.98	7573.62
(2)	Begin Maint. Road	N: 444383.89 E: 222123.10	7577.52	(33)	Maint. Road/BP	N: 444428.92 E: 222195.95	7568.88
(3)	Maint. Road/TP	N: 444398.71 E: 222161.88	7573.99	(34)	Maint. Road/BP	N: 444414.74 E: 222201.51	7569.17
(4)	Maint. Road/TP	N: 444412.80 E: 222156.70	7573.99	(35)	BP	N: 444445.02 E: 222189.13	7566.50
(5)	Maint. Road/TP	N: 444402.99 E: 222173.05	7573.47	(36)	Forebay	N: 444457.51 E: 222180.26	7567.00
(6)	Maint. Road/TP	N: 444417.06 E: 222167.86	7573.49	(37)	Forebay	N: 444452.26 E: 222182.67	7567.00
(7)	TOP	N: 444465.65 E: 222147.18	7573.33	(38)	Forebay	N: 444461.27 E: 222202.37	7561.75
(8)	TOP	N: 444461.27 E: 222135.99	7573.44	(39)	Forebay	N: 444466.49 E: 222199.98	7561.75
(9)	TOP	N: 444507.54 E: 222156.75	7568.00	(40)	TC Flow Line	N: 444463.87 E: 222201.18	7560.00
(10)	TOP	N: 444515.82 E: 222148.06	7568.00	(41)	BP	N: 444468.96 E: 222182.83	7566.50
(11)	TOP	N: 444575.94 E: 222221.96	7568.00	(42)	BP	N: 444484.08 E: 222181.36	7564.82
(12)	TOP	N: 444654.66 E: 222297.02	7568.00	(43)	BP	N: 444548.26 E: 222231.20	7561.78
(13)	TOP	N: 444662.94 E: 222288.33	7568.00	(44)	BP	N: 444589.73 E: 222276.41	7561.26
(14)	Spillway Crest	N: 444653.37 E: 222374.04	7567.50	(45)	BP	N: 444631.20 E: 222321.62	7560.75
(15)	Spillway	N: 444656.60 E: 222371.69	7568.00	(46)	BP	N: 444619.45 E: 222341.83	7560.29
(16)	Spillway Crest	N: 444646.31 E: 222364.33	7567.50	(47)	End Maint. Road	N: 444601.01 E: 222348.15	7559.97
(17)	Spillway	N: 444649.55 E: 222361.98	7568.00	(48)	End Maint. Road	N: 444584.21 E: 222349.80	7560.05
(18)	Spillway Crest	N: 444639.62 E: 222384.04	7567.50	(49)	BP	N: 444499.83 E: 222343.59	7561.95
(19)	Spillway	N: 444636.38 E: 222386.39	7568.00	(50)	BP	N: 444411.05 E: 222336.22	7563.90
(20)	Spillway Crest	N: 444632.48 E: 222374.23	7567.47	(51)	BP	N: 444232.53 E: 222299.95	7570.00
(21)	Spillway	N: 444629.32 E: 222376.69	7568.00	(52)	BP	N: 444231.04 E: 222263.18	7570.00
(22)	TOP	N: 444628.79 E: 222391.91	7568.00	(53)	BP	N: 444265.64 E: 222237.60	7569.08
(23)	TOP	N: 444621.73 E: 222382.20	7568.00	(54)	BP	N: 444345.47 E: 222223.20	7567.51
(24)	TOP	N: 444605.27 E: 222386.12	7568.00	(55)	Maint. Road	N: 444477.67 E: 222269.58	7560.71
(25)	TOP	N: 444603.35 E: 222397.96	7568.00	(56)	Maint. Road	N: 444531.50 E: 222309.73	7560.24
(26)	TOP	N: 444495.20 E: 222368.23	7568.00	(57)	TC Flow Line	N: 444483.85 E: 222244.83	7559.76
(27)	TOP	N: 444493.09 E: 222380.04	7568.00	(58)	TC Flow Line	N: 444500.29 E: 222264.73	7559.63
(28)	TOP	N: 444405.28 E: 222353.61	7568.00	(59)	TC Flow Line	N: 444602.60 E: 222337.65	7559.00
(29)	TOP	N: 444234.21 E: 222315.18	7571.00	(60)	Outlet Structure	N: 444606.19 E: 222342.05	7559.92
(30)	TOP	N: 444216.37 E: 222247.07	7572.28	(61)	Outlet Structure	N: 444607.93 E: 222339.61	7559.92
(31)	TOP	N: 444255.02 E: 222204.61	7574.00				

POND GRADING NOTES:

- TWO SIGNS OF MINIMUM 3 SQ. FT. AREA, SHALL BE INSTALLED AROUND THE POND PERIMETER. THE SIGNS WILL BE CONSTRUCTED OF A DURABLE MATERIAL, SUCH AS METAL OR PLASTIC AND HAVE RED LETTERING ON A WHITE BACKGROUND STATING, "WARNING- THIS AREA IS A STORMWATER FACILITY AND IS SUBJECT TO PERIODIC FLOODING."
- SEE LANDSCAPE PLAN FOR RE-SEEDING AREAS ASSOCIATED WITH PERMANENT CONTROL MEASURE IMPROVEMENTS.
- SEE GRADING & EROSION CONTROL PLANS FOR ANY EXISTING VEGETATION IN THE AREA. CLEARING AND GRUBBING WILL OCCUR PRIOR TO POND CONSTRUCTION AND THEREFORE, NO EXISTING VEGETATION WILL BE PRESENT.
- ALL RIPRAP MUST BE INSTALLED PER DETAIL ON NEXT PAGE.

ABBREVIATIONS:

- B.O.P - BOTTOM OF POND
- T.O.P - TOP OF POND
- T.C - TRICKLE CHANNEL
- T.B.C - TOP BACK OF CURB
- C.L - CENTERLINE
- E.O.G - EDGE OF GRADING
- S.W - SPILLWAY

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APPROVED: RDL	JOB NUMBER: 211030	0" = 1"
CAD DATE: 3/14/2024		IF NOT ONE INCH, ADJUST SCALE ACCORDINGLY.
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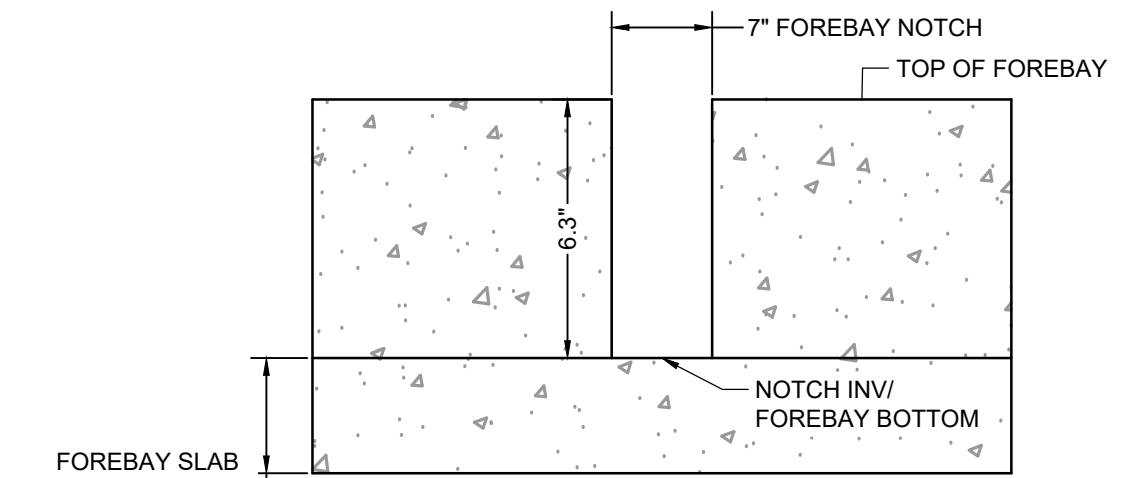
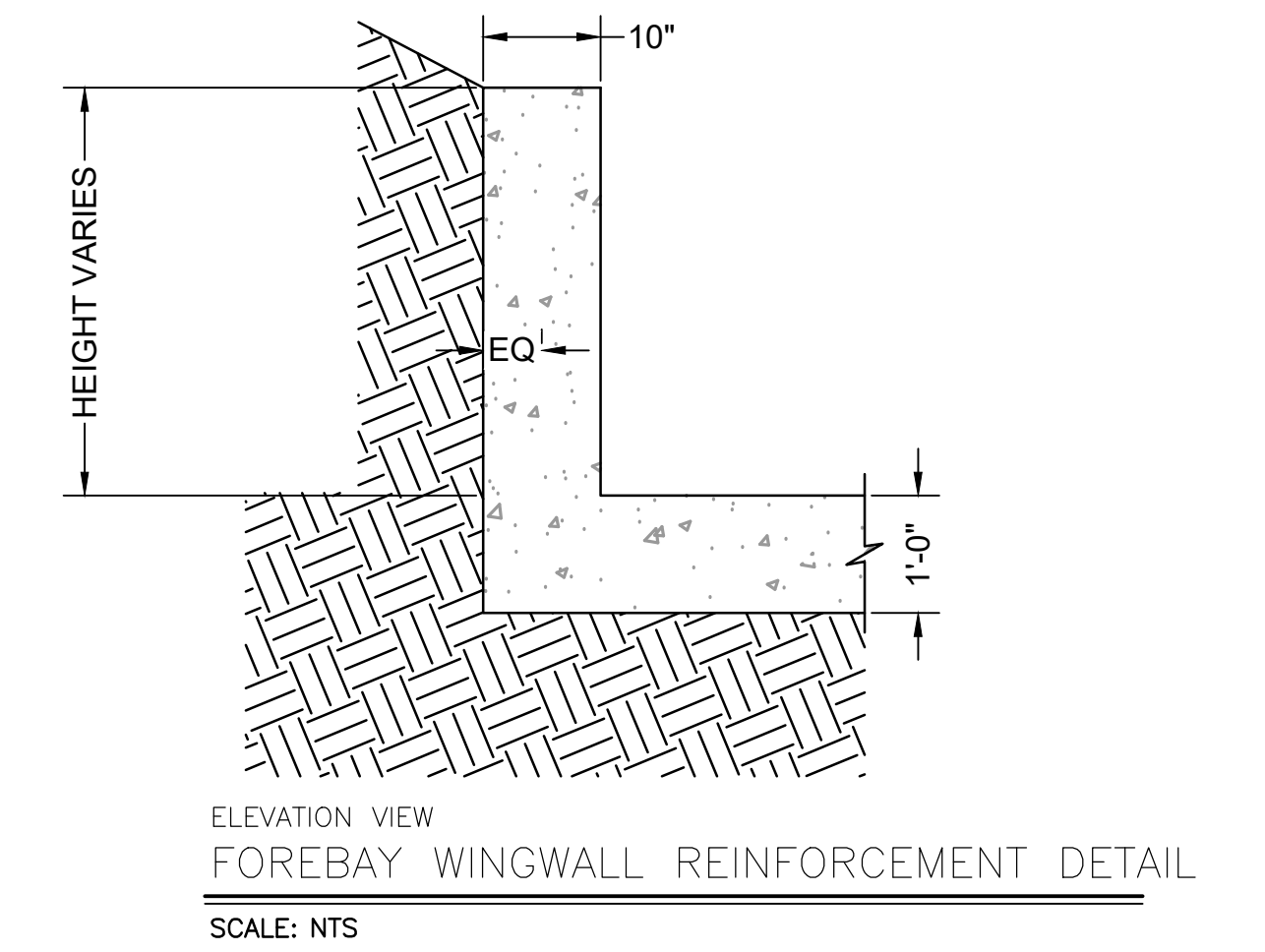
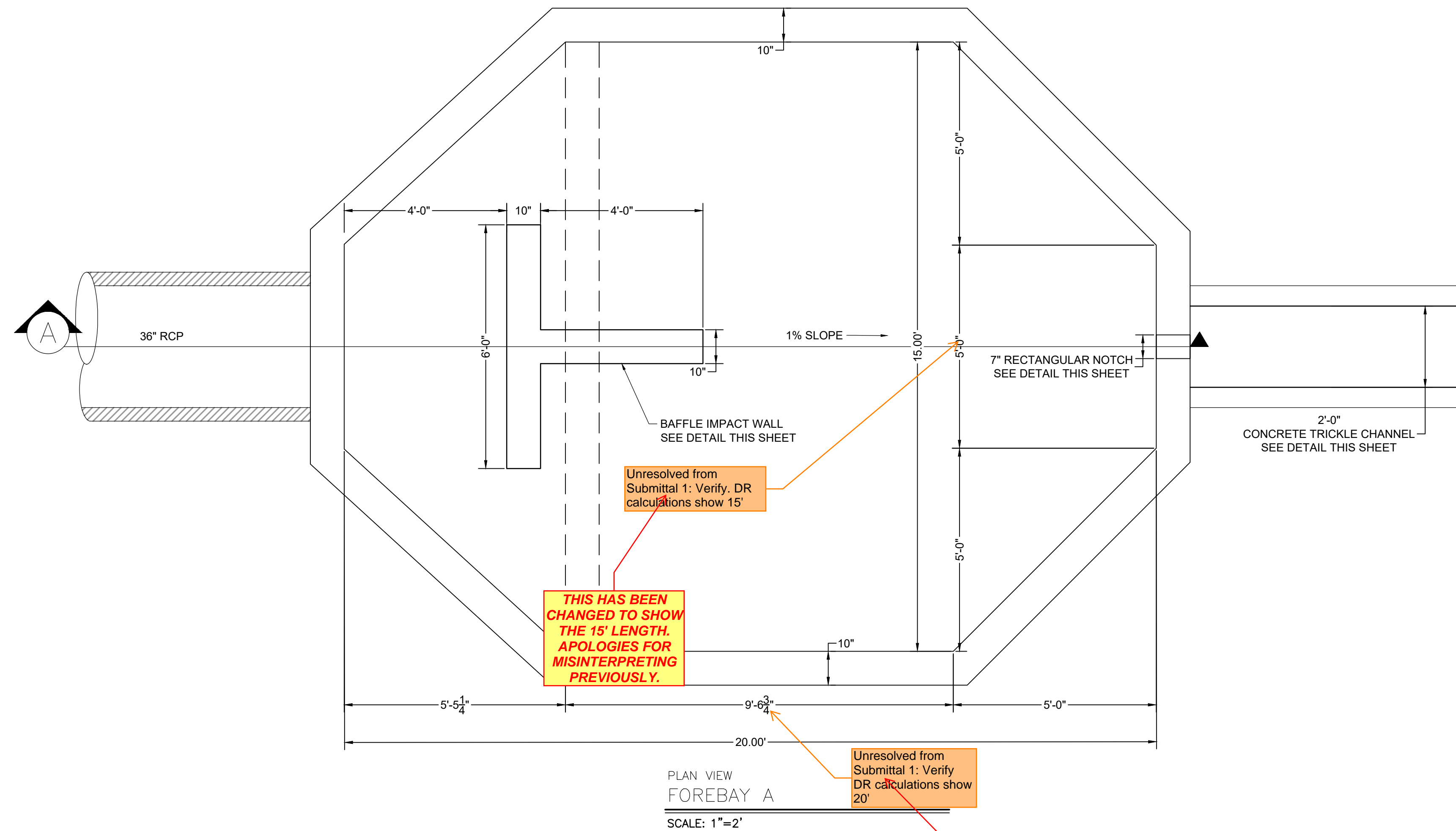
NO.	DATE	BY	REVISION DESCRIPTION

HR GREEN - COLORADO SPRINGS
1975 RESEARCH PARKWAY SUITE 230
COLORADO SPRINGS, CO 80920
PHONE: 719.300.4140
FAX: 713.965.0044

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EL PASO COUNTY, CO

DRAINAGE DETAILS
POND A GRADING PLAN

SHEET
PND
21



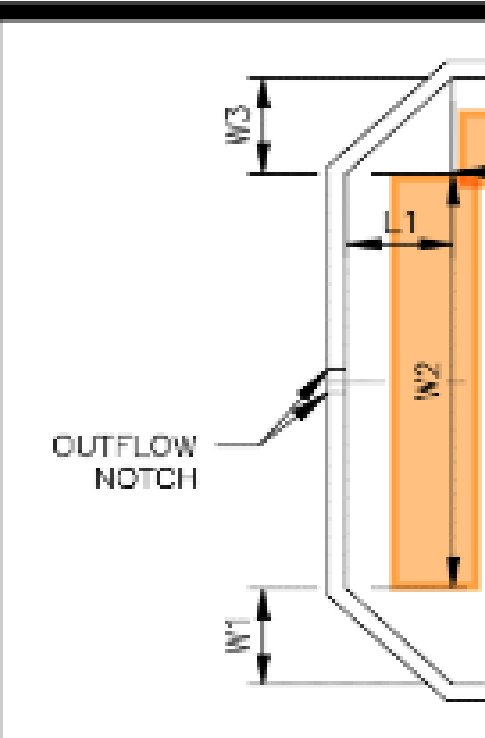
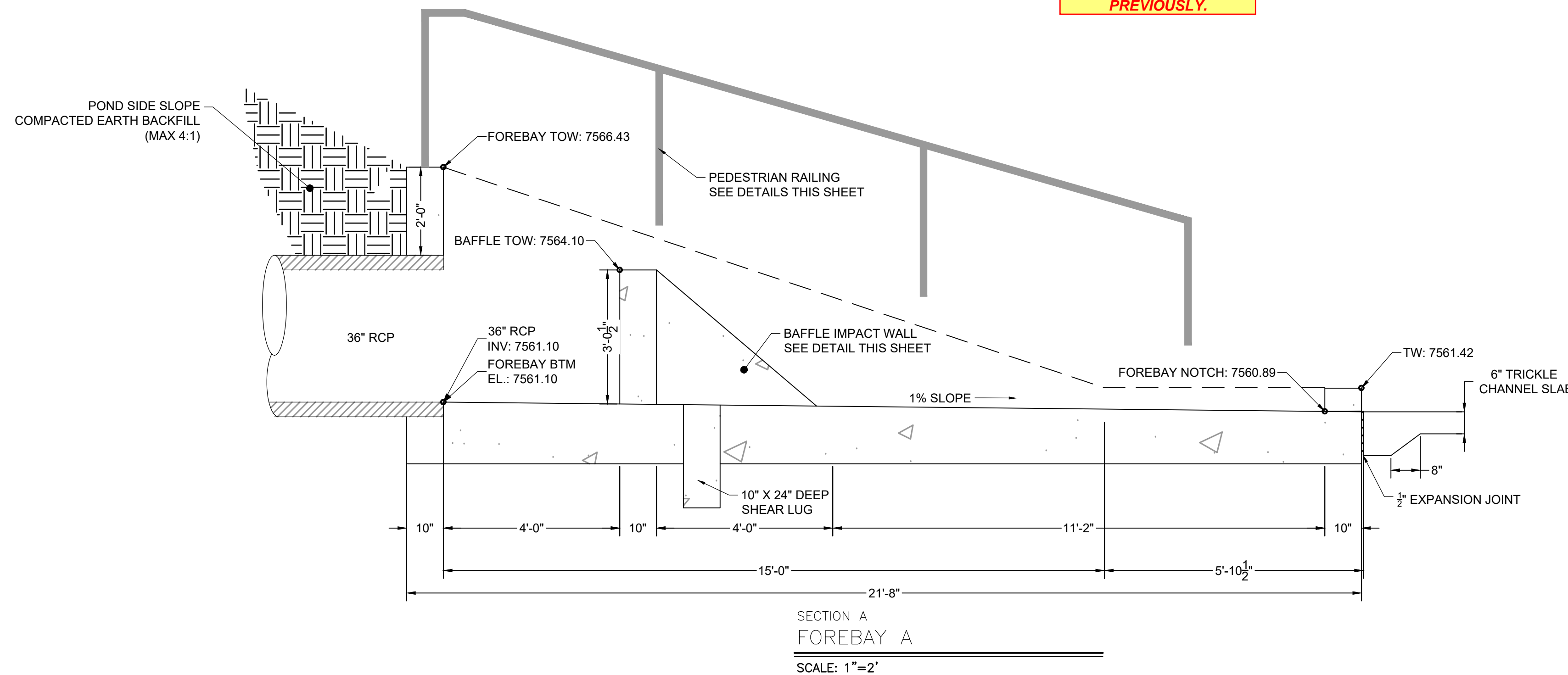
LENGTH		
L1	5 FT	
L2	20.000 FT	
L3	5 FT	
INNER L	30.000 FT	OUTER

WIDTH		
W1	5 FT	
W2	15 FT (75% of L2)	
W3	5 FT	
INNER W	25.000 FT	OUTER

BAFFLE AREA		
(6'x0.83' + 4'x0.83')		
8.33 SF		

50	
300	
8.33	
341.67 SQ FT	

1.5 FT



PEDESTRIAN RAILING DETAIL
SCALE: 3/4" = 1'

FOREBAY NOTES:

- SEE SHEET 65 FOR STRUCTURAL NOTES AND DETAILS.
- PEDESTRIAN RAILING IS NOT SHOWN IN PLAN VIEW DETAILS. SEE SECTION A FOR RAILING LOCATION.

DRAWN BY: AXB	JOB DATE: 2/29/2024	BAR IS ONE INCH ON OFFICIAL DRAWINGS.
APPROVED: CPM	JOB NUMBER: 211030	0" = 1"
CAD DATE: 3/4/2024		IF NOT ONE INCH, ADJUST SCALE ACCORDINGLY.
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NO.	DATE	BY	REVISION DESCRIPTION

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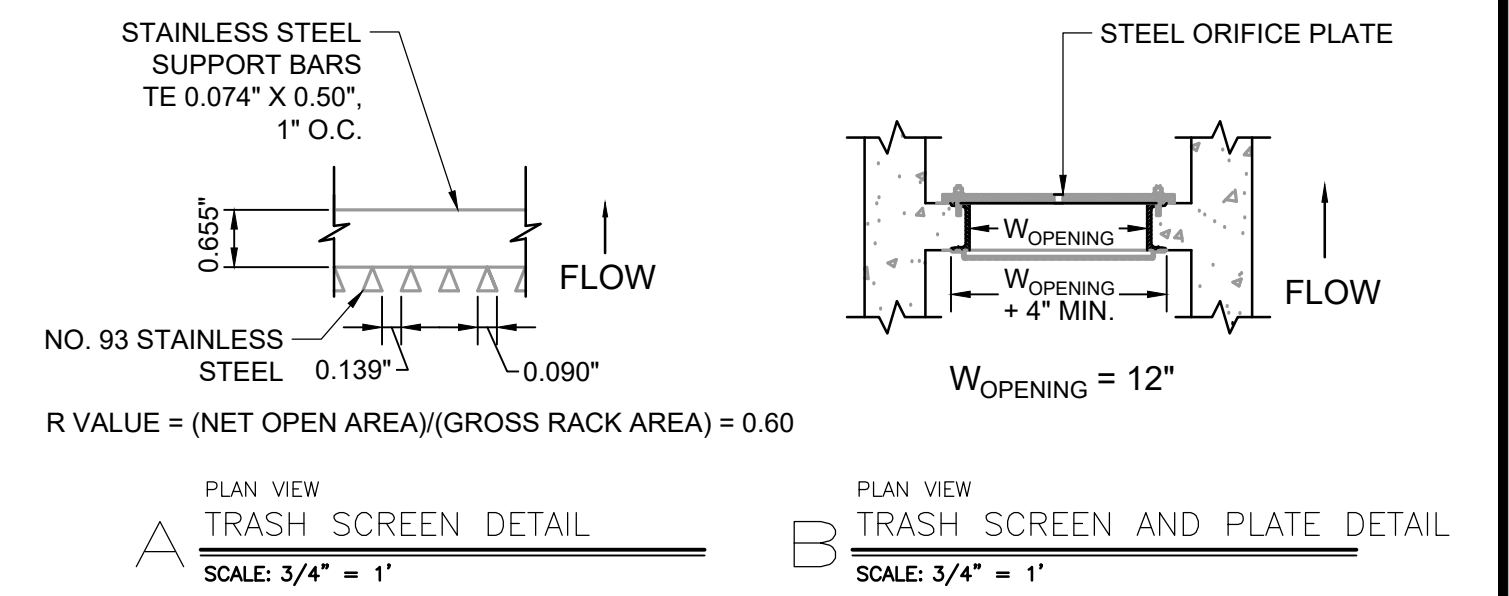
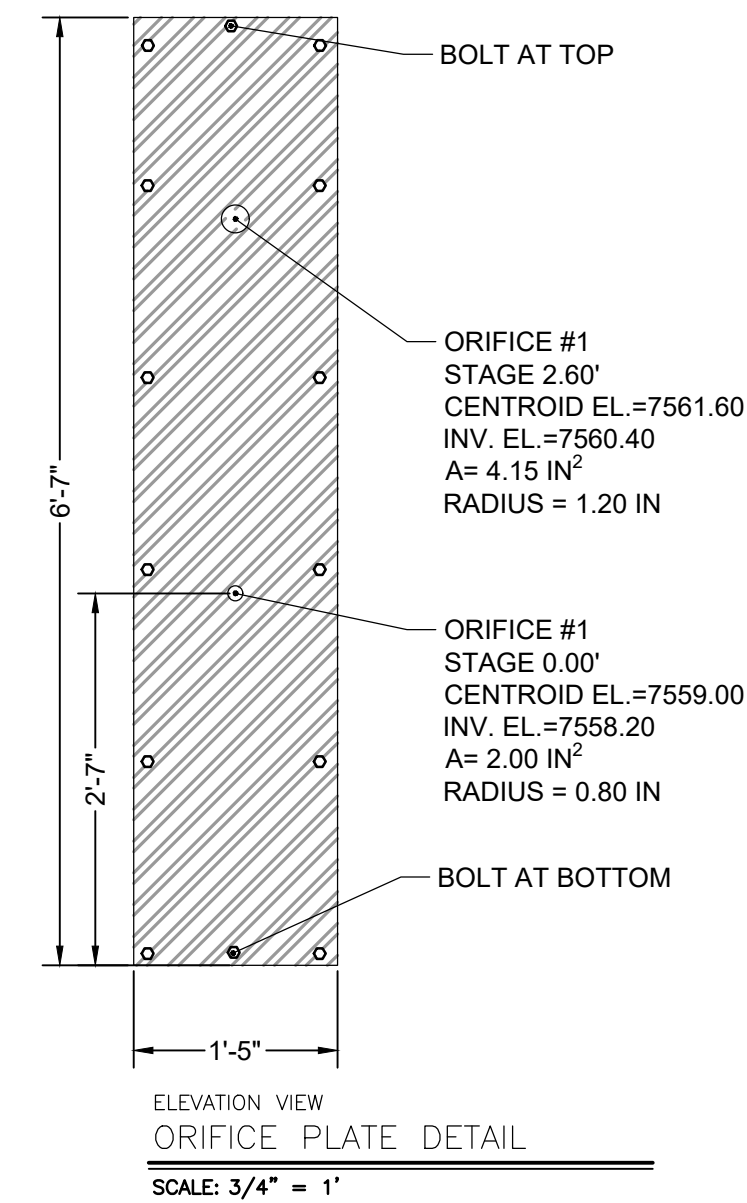
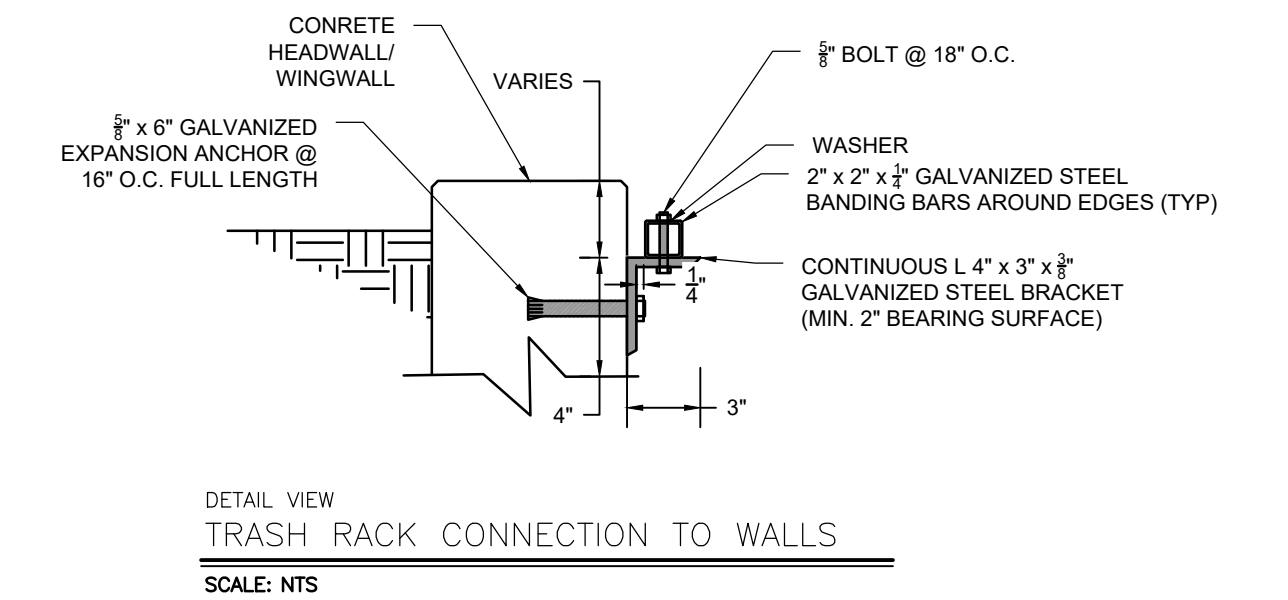
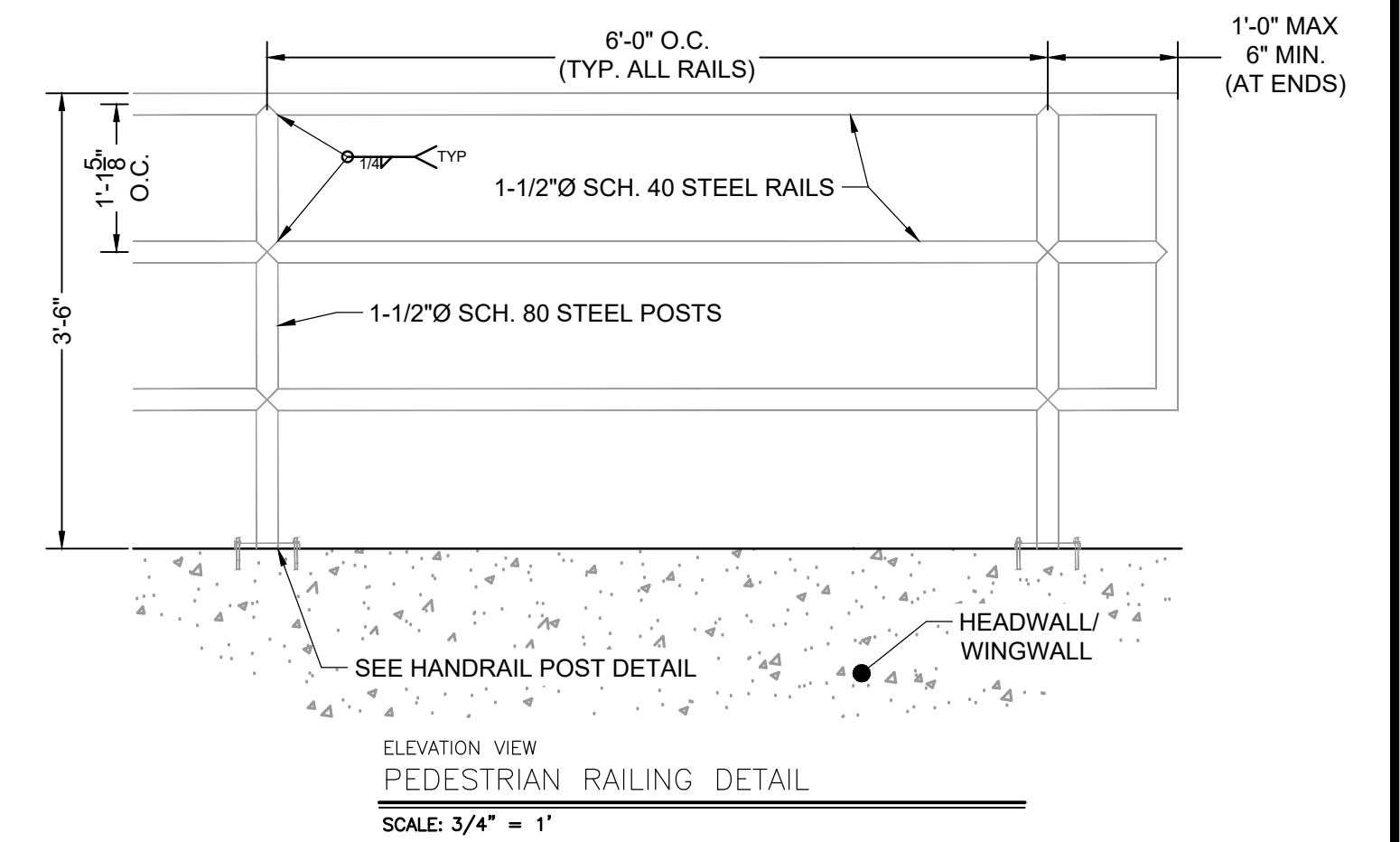
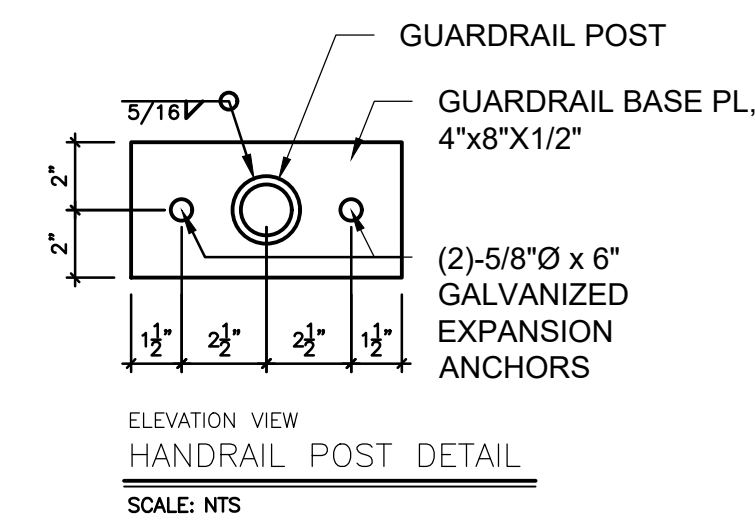
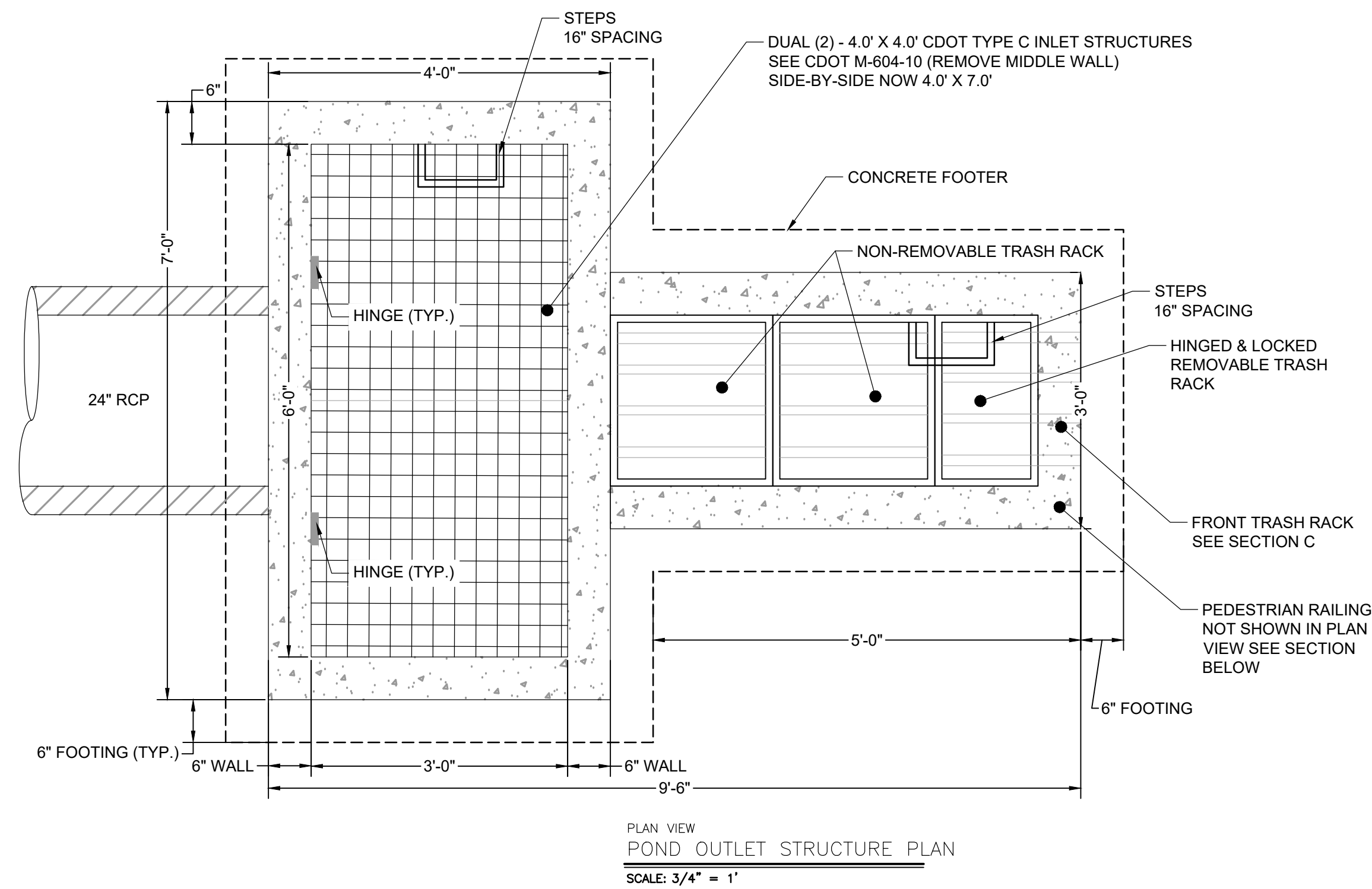
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1975 RESEARCH PARKWAY SUITE 230
COLORADO SPRINGS, CO 80920
PHONE: 719.300.4140
FAX: 713.965.0044

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PRI #2, LLC.
EL PASO COUNTY, CO

CONSTRUCTION DOCUMENTS
POND A FOREBAY DETAILS

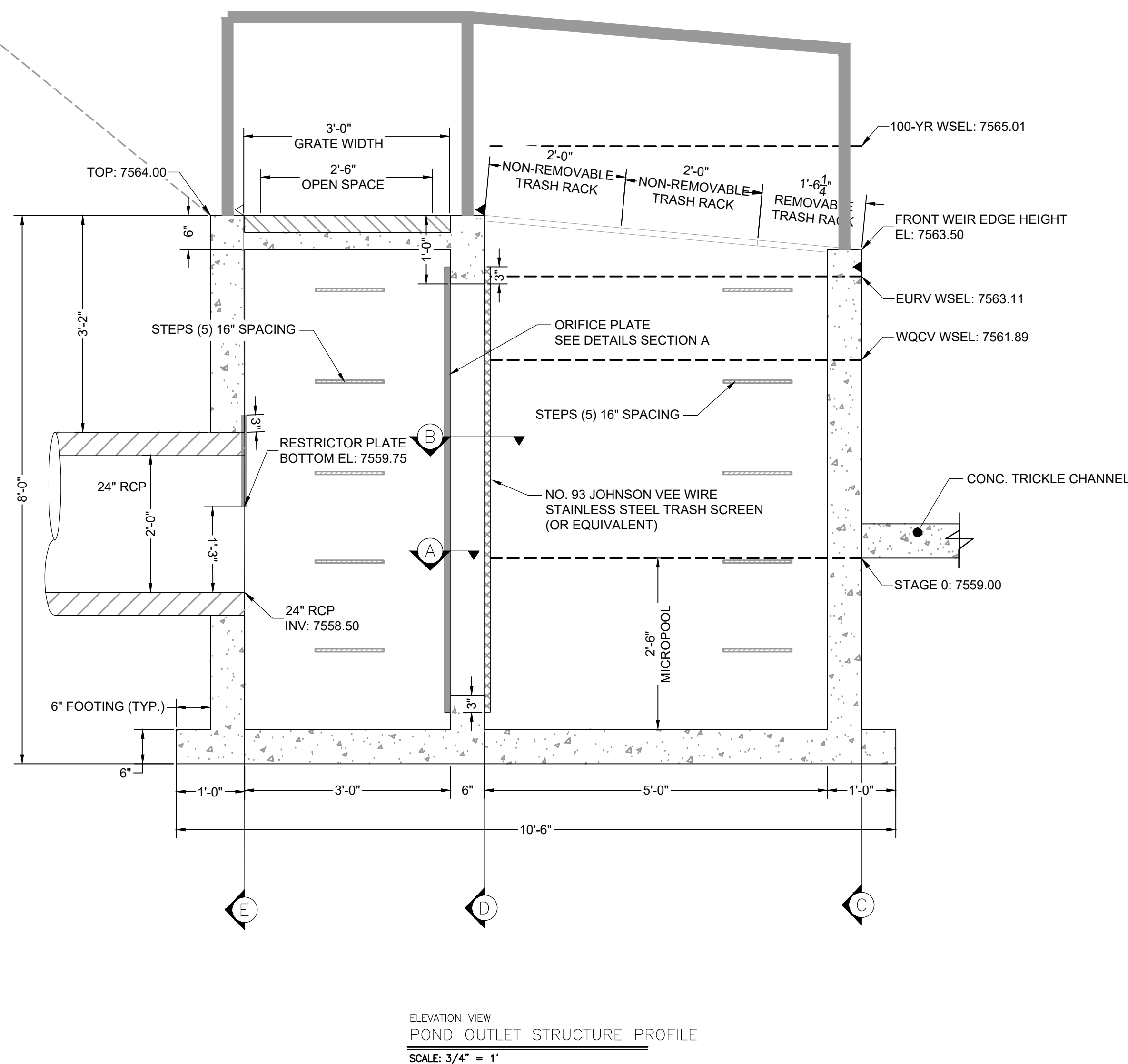
SHEET
PND
23

HERGER, DANIEL, 3/4/2024 5:32 PM



*REINFORCEMENT DESIGN WILL BE PROVIDED PRIOR TO APPROVAL BY CITY OF COLORADO SPRINGS

POND SIDE SLOPE
MAX 4:1



WARNING
THIS AREA IS A STORMWATER FACILITY
AND IS SUBJECT TO PERIODIC FLOODING

POND WARNING SIGN
SCALE: NTS
MINIMUM SIGN AREA = 3 FT²
SIGNS SHALL BE FABRICATED OF DURABLE MATERIALS, SUCH AS METAL OR PLASTIC, USING RED LETTERING ON A WHITE BACKGROUND

TWO SIGNS, EACH WITH A MINIMUM AREA OF 3 SQUARE FEET, SHALL BE PROVIDED AROUND THE PERIMETER OF ALL DETENTION FACILITIES. THE SIGNS SHALL BE FABRICATED OF DURABLE MATERIALS, SUCH AS METAL OR PLASTIC, USING RED LETTERING ON A WHITE BACKGROUND WITH THE ABOVE MESSAGE

DRAWN BY: DLH JOB DATE: 2/29/2024
APPROVED: RDL JOB NUMBER: 211030
CAD DATE: 3/4/2024
CAD FILE: J:\2021\211030\CAD\DWG\C\Estates_CDs\Outlet_Structure_Details

NO.	DATE	BY	REVISION DESCRIPTION

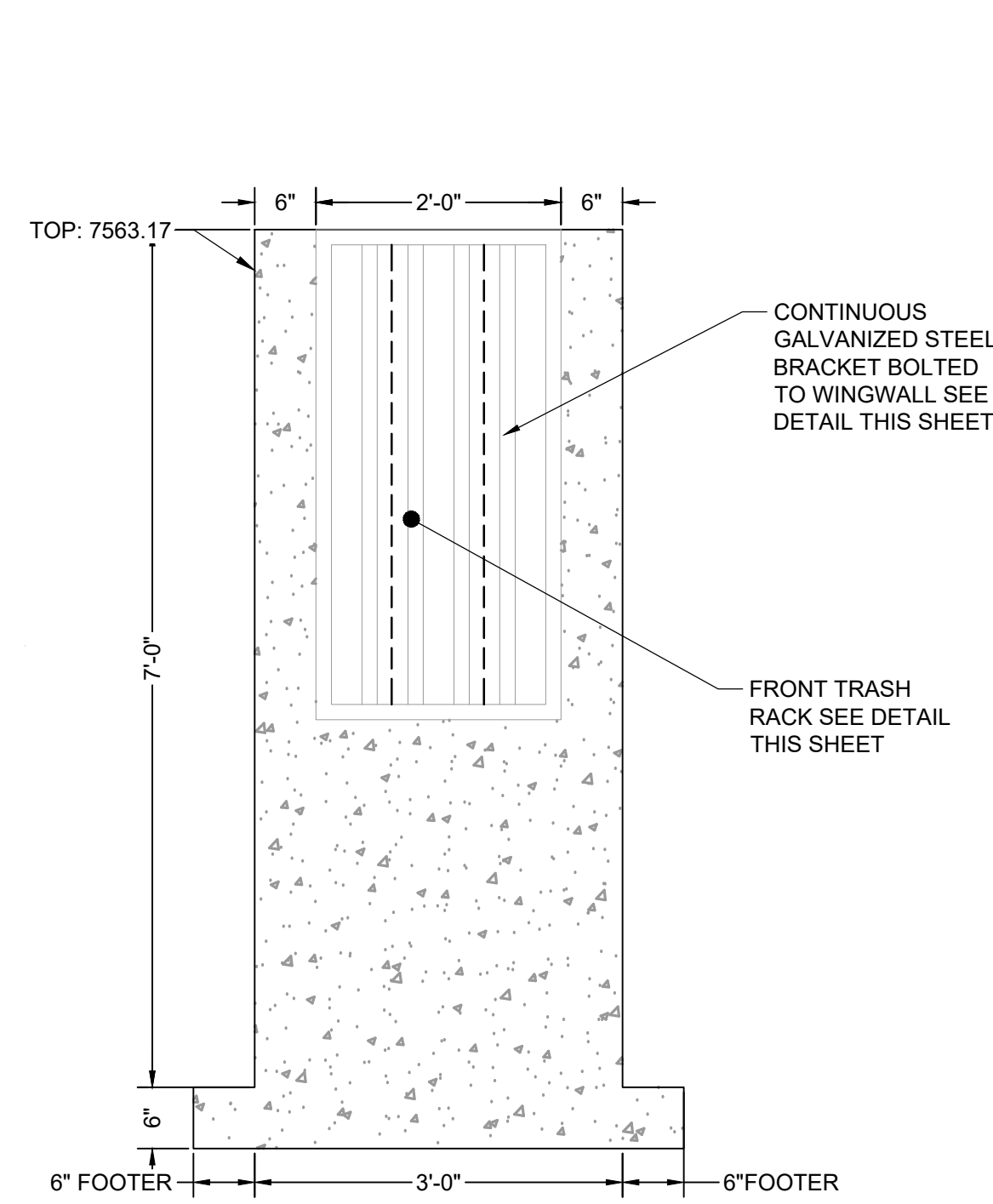


HR GREEN - COLORADO SPRINGS
1975 RESEARCH PARKWAY SUITE 230
COLORADO SPRINGS, CO 80920
PHONE: 719.300.4140
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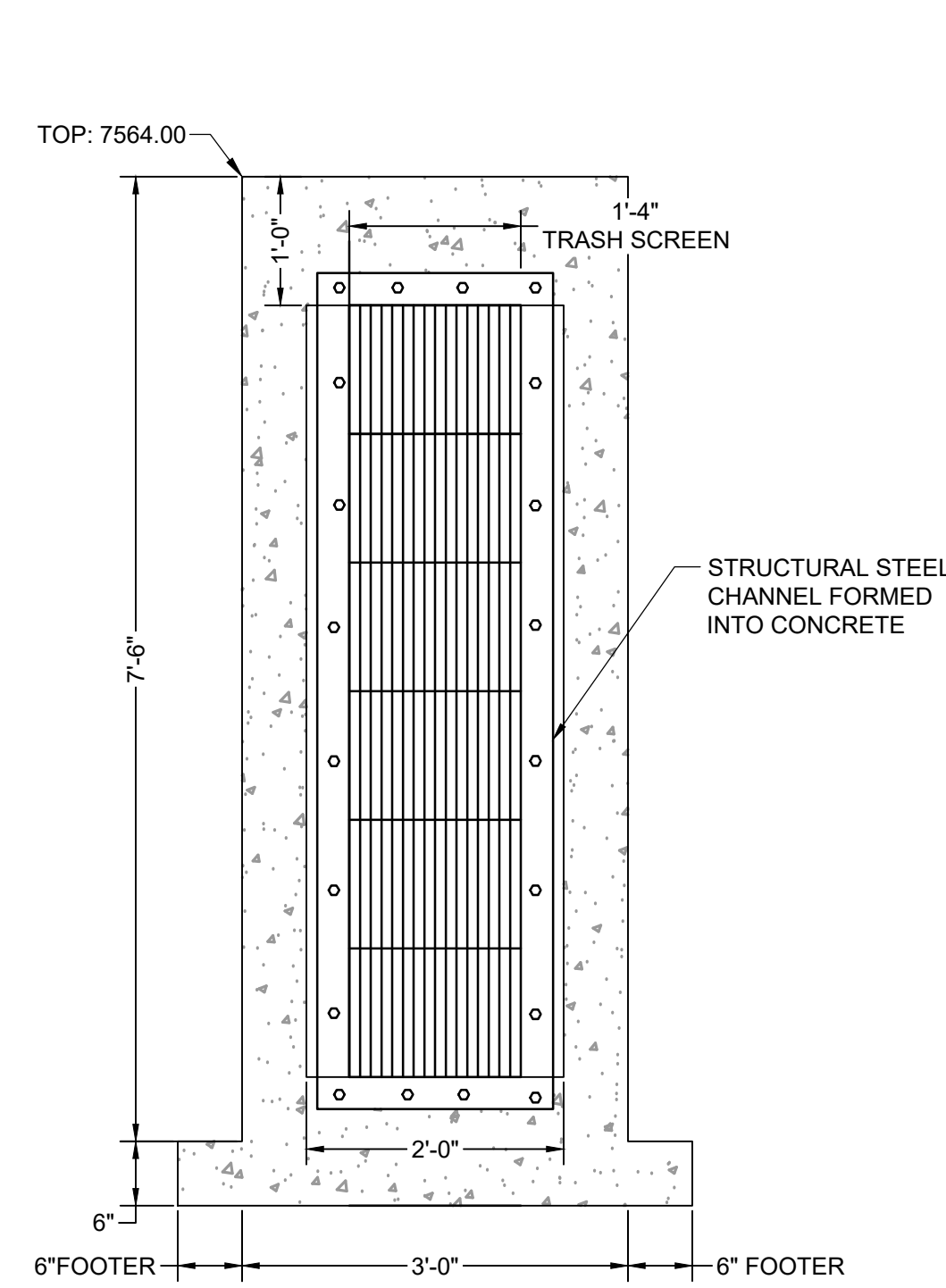
FLYING HORSE NORTH FILING 3
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EL PASO COUNTY, CO

CONSTRUCTION DOCUMENTS
POND A OUTLET STRUCTURE DETAILS

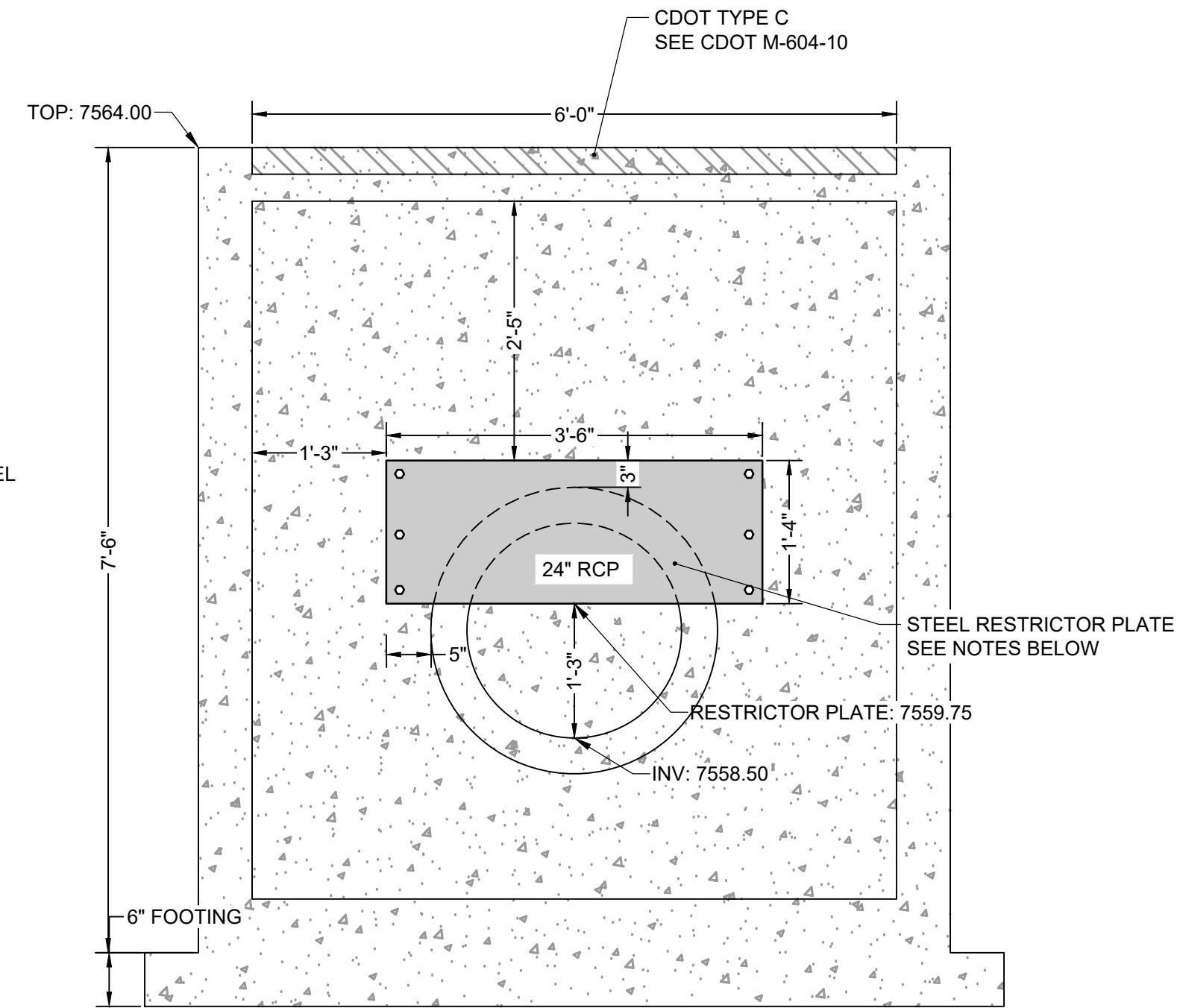
SHEET
PND
24



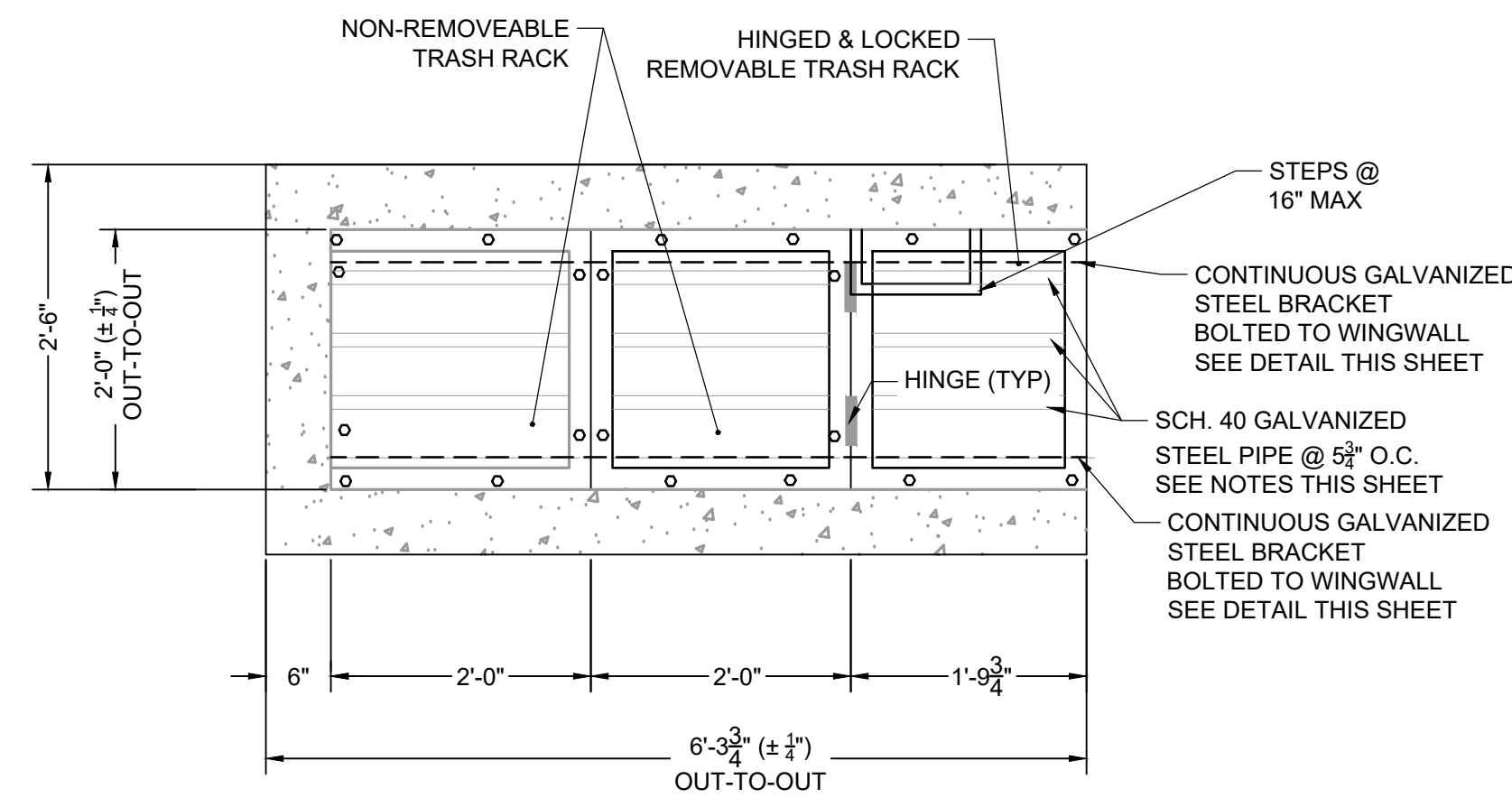
ELEVATION VIEW
C FRONT FACE
SCALE: 3/4" = 1'



ELEVATION VIEW
D TRASH SCREEN
SCALE: 3/4" = 1'



ELEVATION VIEW
E REAR FACE
SCALE: 3/4" = 1'



PLAN VIEW
F TRASH RACK DETAIL
SCALE: N.T.S

ORIFICE PLATE NOTES:

1. PLATE TO BE 3/8" THICK GALVANIZED STEEL.
2. BOLT PLATE TO CONCRETE @ 12" O.C. MAX.
3. PROVIDE CONTINUOUS NEOPRENE GASKET MATERIAL BETWEEN THE ORIFICE PLATE AND CONCRETE.

TRASH SCREEN NOTES:

1. WELL-SCREEN TRASH RACKS SHALL BE STAINLESS STEEL AND SHALL BE ATTACHED BY INTERMITTENT WELDS ALONG THE EDGE OF THE MOUNTING FRAME.
2. BAR GATE TRASH RACKS SHALL BE ALUMINUM AND SHALL BE BOLTED USING STAINLESS STEEL HARDWARE.
3. TRASH RACK OPEN AREAS ARE FOR SPECIFIED TRASH RACK MATERIALS. TOTAL TRASH RACK SIZE MAY NEED TO BE ADJUSTED FOR MATERIALS HAVING DIFFERENT OPEN AREA/GROSS AREA RATIO (R VALUE).
4. STRUCTURAL DESIGN OF TRASH RACKS SHALL BE BASED ON FULL HYDROSTATIC HEAD WITH ZERO HEAD DOWNSTREAM OF THE RACK.

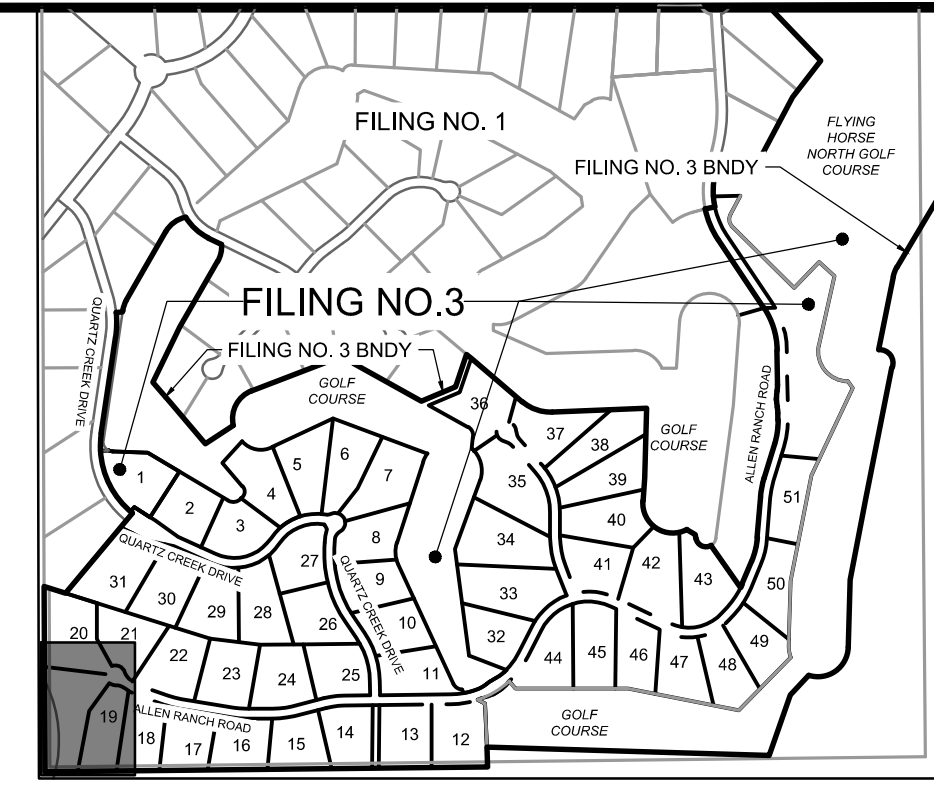
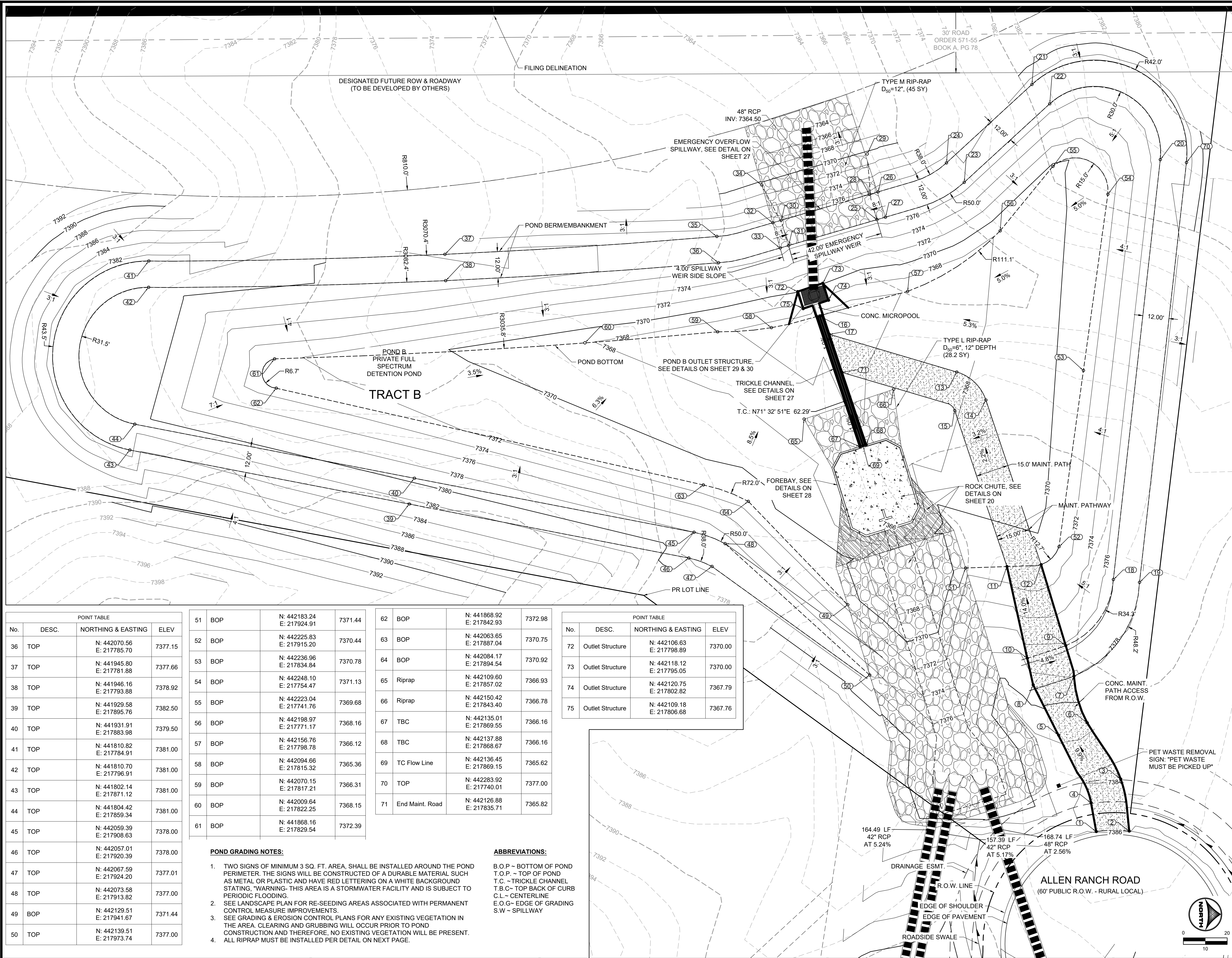
TRASH RACK NOTES:

1. TRASH RACKS SHALL BE 1 1/2" SCH. 40 STEEL PIPE, GALVANIZED, @ 6" CENTERS. SUPPORT BARS SHALL BE 1/2" x 2" STEEL RECTANGULAR BARS, GALVANIZED, @ 36". ALL TRASH RACKS SHALL BE MOUNTED USING STAINLESS STEEL HARDWARE.
2. REMOVABLE TRASH RACK SECTIONS SHALL BE MOUNTED USING STAINLESS STEEL HARDWARE AND PROVIDED WITH HINGED & LOCKABLE OR BOLTABLE ACCESS PANELS AS SHOWN ON THE PLANS.
3. STEEL TRASH RACKS SHALL BE HOT DIP GALVANIZED AND MAY BE HOT POWDER COATED AFTER GALVANIZING.
4. STRUCTURAL STEEL FOR GRATES, ORIFICE PLATES, AND BARS SHALL BE GALVANIZED AND SHALL BE IN ACCORDANCE WITH CDOT STANDARD SPECIFICATIONS, SUBSECTION 712.06.
5. CONTRACTOR SHALL SUBMIT SHOP DRAWINGS FOR ALL PLATES AND GRATING FOR ENGINEER'S APPROVAL PRIOR TO CONSTRUCTION.

RESTRICTOR PLATE NOTES:

1. 3/8" THICK RESTRICTOR PLATE, GALVANIZED STEEL.
2. BOLT PLATE TO CONCRETE @ 12" O.C. MAX.
3. PROVIDE CONTINUOUS NEOPRENE GASKET MATERIAL BETWEEN PLATE AND CONCRETE.

NO.	DATE	BY	REVISION DESCRIPTION



No.	DESC.	NORTHING & EASTING	ELEV
36	TOP	N: 442070.56 E: 217785.70	7377.15
37	TOP	N: 441945.80 E: 217781.88	7377.66
38	TOP	N: 441946.16 E: 217793.88	7378.92
39	TOP	N: 441929.58 E: 217895.76	7382.50
40	TOP	N: 441931.91 E: 217883.98	7379.50
41	TOP	N: 441810.82 E: 217784.91	7381.00
42	TOP	N: 441810.70 E: 217796.91	7381.00
43	TOP	N: 441802.14 E: 217871.12	7381.00
44	TOP	N: 441804.42 E: 217859.34	7381.00
45	TOP	N: 442059.39 E: 217908.63	7378.00
46	TOP	N: 442057.01 E: 217920.39	7378.00
47	TOP	N: 442067.59 E: 217924.20	7377.01
48	TOP	N: 442073.58 E: 217913.82	7377.00
49	BOP	N: 442129.51 E: 217941.67	7371.44
50	TOP	N: 442139.51 E: 217973.74	7377.00

51	BOP	N: 442183.24 E: 217924.91	7371.44
52	BOP	N: 442225.83 E: 217915.20	7370.44
53	BOP	N: 442236.96 E: 217834.84	7370.78
54	BOP	N: 442248.10 E: 217754.47	7371.13
55	BOP	N: 442223.04 E: 217741.76	7369.68
56	BOP	N: 442198.97 E: 217771.17	7368.16
57	BOP	N: 442156.76 E: 217798.78	7366.12
58	BOP	N: 442094.66 E: 217815.32	7365.36
59	BOP	N: 442070.15 E: 217817.21	7366.31
60	BOP	N: 442009.64 E: 217822.25	7368.15
61	BOP	N: 441868.16 E: 217829.54	7372.39

62	BOP	N: 441868.92 E: 217842.93	7372.98
63	BOP	N: 442063.65 E: 217798.89	7370.75
64	BOP	N: 442084.17 E: 217894.54	7370.92
65	Riprap	N: 442109.60 E: 217857.02	7366.93
66	Riprap	N: 442150.42 E: 217843.40	7366.78
67	TBC	N: 442135.01 E: 217869.55	7366.16
68	TBC	N: 442137.88 E: 217868.67	7366.16
69	TC Flow Line	N: 442136.45 E: 217869.15	7365.62
70	TOP	N: 442283.92 E: 217740.01	7377.00
71	End Maint. Road	N: 442126.88 E: 217835.71	7365.82

No.	DESC.	NORTHING & EASTING	ELEV
72	Outlet Structure	N: 442106.63 E: 217798.89	7370.00
73	Outlet Structure	N: 442118.12 E: 217795.05	7370.00
74	Outlet Structure	N: 442120.75 E: 217802.82	7367.79
75	Outlet Structure	N: 442109.18 E: 217806.68	7367.76

- POND GRADING NOTES:**
- TWO SIGNS OF MINIMUM 3 SQ. FT. AREA, SHALL BE INSTALLED AROUND THE POND PERIMETER. THE SIGNS WILL BE CONSTRUCTED OF A DURABLE MATERIAL SUCH AS METAL OR PLASTIC AND HAVE RED LETTERING ON A WHITE BACKGROUND STATING, "WARNING- THIS AREA IS A STORMWATER FACILITY AND IS SUBJECT TO PERIODIC FLOODING.
 - SEE LANDSCAPE PLAN FOR RE-SEEDING AREAS ASSOCIATED WITH PERMANENT CONTROL MEASURE IMPROVEMENTS
 - SEE GRADING & EROSION CONTROL PLANS FOR ANY EXISTING VEGETATION IN THE AREA. CLEARING AND CRUBING WILL OCCUR PRIOR TO POND CONSTRUCTION AND THEREFORE, NO EXISTING VEGETATION WILL BE PRESENT.
 - ALL RIPRAP MUST BE INSTALLED PER DETAIL ON NEXT PAGE.
- ABBREVIATIONS:**
- B.O.P - BOTTOM OF POND
T.O.P. - TOP OF POND
T.C. - TRICKLE CHANNEL
T.B.C. - TOP BACK OF CURB
C.L. - CENTERLINE
E.O.G. - EDGE OF GRADING
S.W. - SPILLWAY

DRAWN BY: DLH JOB DATE: 3/1/24
APPROVED: RDL JOB NUMBER: 211030
CAD DATE: 3/4/2024
CAD FILE: J:\2021\211030\CAD\DWG\C\Estates_CDs\Pond_B_Grading

NO.	DATE	BY	REVISION DESCRIPTION

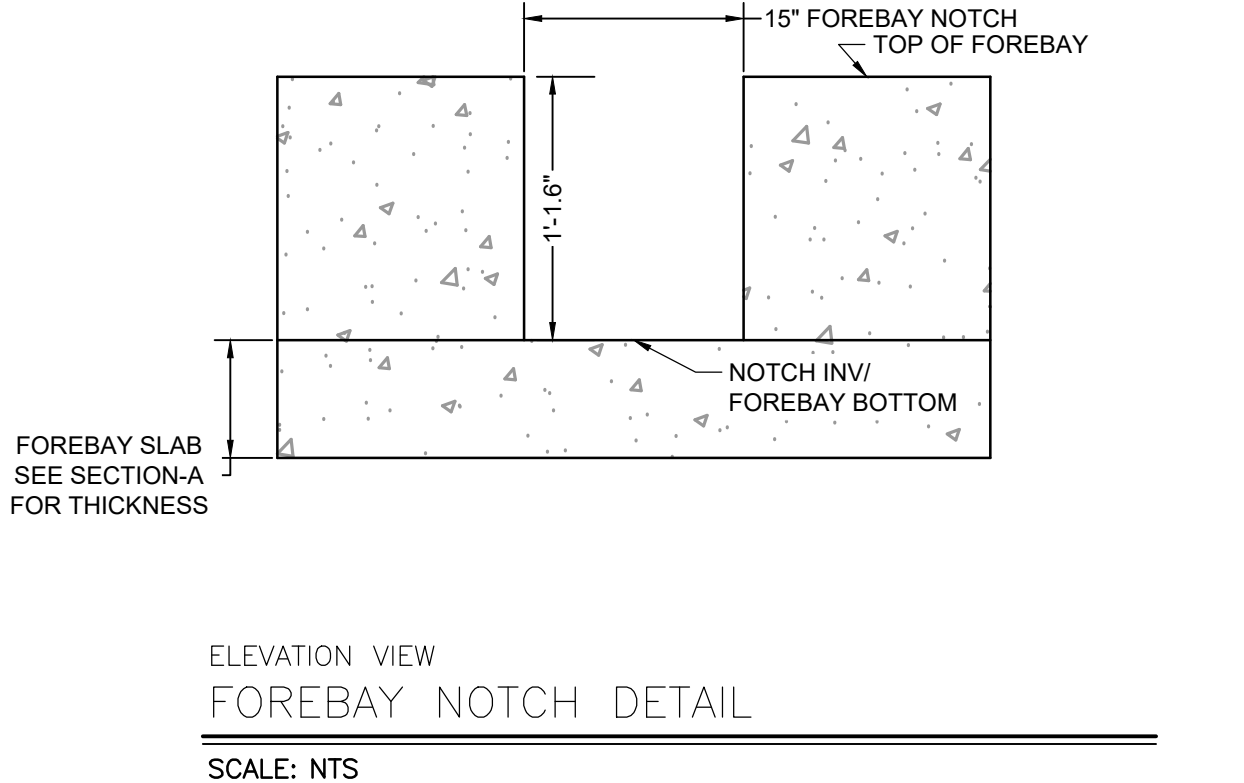
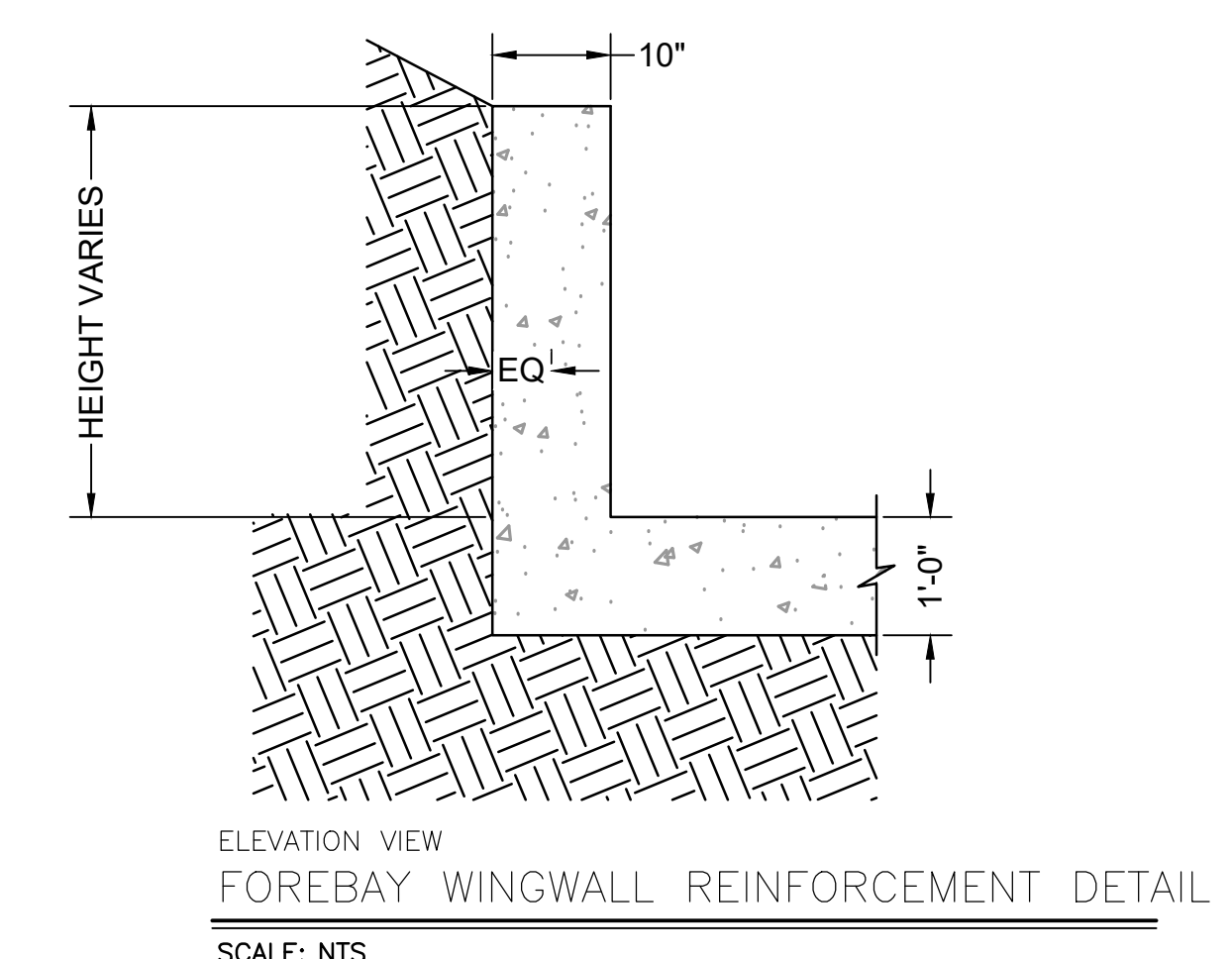
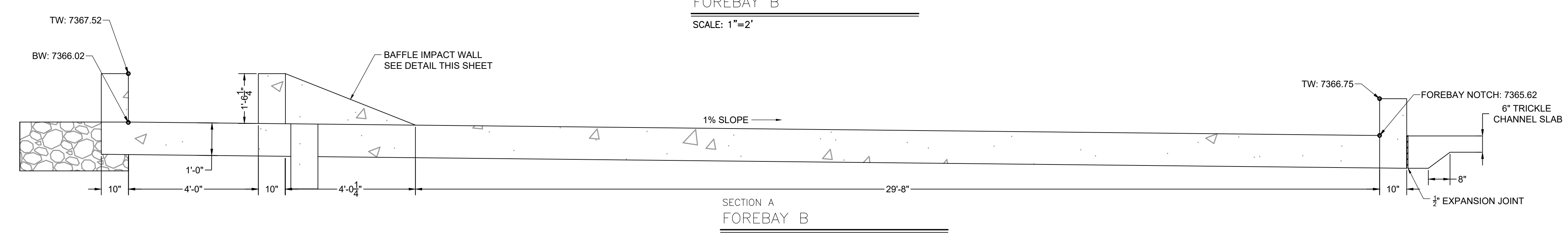
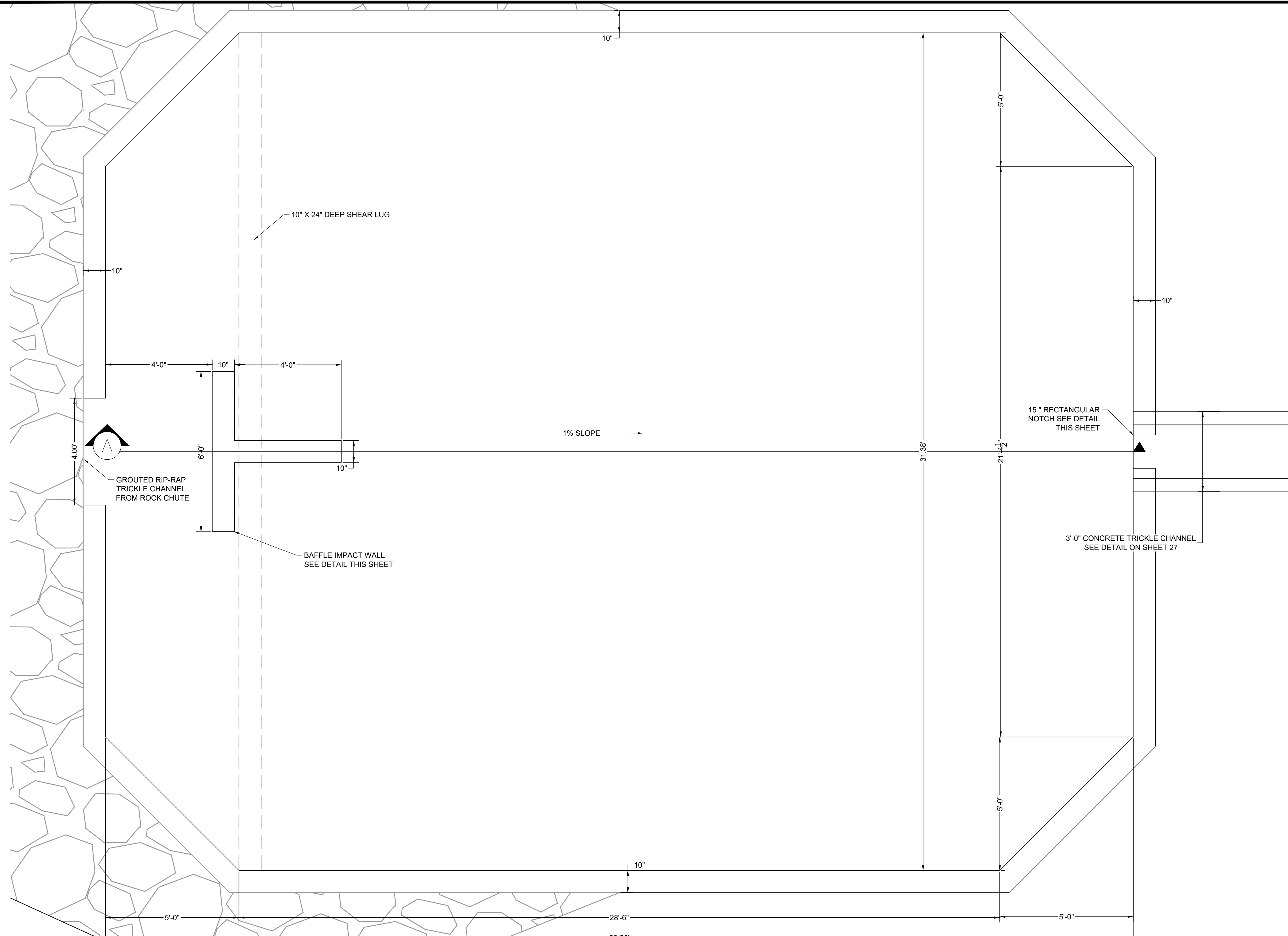
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DRAINAGE DETAILS
POND B GRADING PLAN

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No.	DESC.	NORTHING & EASTING	ELEV
Structure - (128)	Outlet Structure	N: 16.38 E: 18.15	???
1	Begin Maint. Road	N: 442242.79 E: 218045.12	7385.56
2	Begin Maint. Road	N: 442257.84 E: 218044.87	7385.68
3	Maint. Road	N: 442253.96 E: 218021.19	7383.90
4	Maint. Road	N: 442240.44 E: 218032.04	7384.67
5	Maint. Road	N: 442225.62 E: 218001.14	7381.60
6	Maint. Road	N: 442238.70 E: 217995.51	7381.40
7	Maint. Road/TP	N: 442232.64 E: 217974.26	7378.30
8	Maint. Road/TP	N: 442214.04 E: 217978.23	7378.88
9	Maint. Road/TP	N: 442228.90 E: 217960.32	7376.18
10	Maint. Road/TP	N: 442211.35 E: 217966.05	7377.01
11	Maint. Road/BP	N: 442202.11 E: 217924.26	7370.59
12	Maint. Road/BP	N: 442217.66 E: 217923.38	7370.39
13	Maint. Road	N: 442179.20 E: 217835.53	7367.75
14	Maint. Road	N: 442192.49 E: 217848.35	7368.40
15	Maint. Road	N: 442178.27 E: 217853.12	7367.91
16	TC Flow Line	N: 442116.74 E: 217810.06	7365.00
17	End Maint. Road	N: 442121.09 E: 217818.36	7365.63
18	TOP	N: 442250.61 E: 217930.19	7377.00
19	TOP	N: 442262.54 E: 217931.45	7377.00
20	TOP	N: 442272.00 E: 217738.68	7377.00
21	TOP	N: 442213.46 E: 217704.40	7377.00
22	TOP	N: 442221.58 E: 217713.24	7377.00
23	TOP	N: 442182.61 E: 217749.02	7377.00
24	TOP	N: 442174.49 E: 217740.19	7377.00
25	Spillway Crest	N: 442142.81 E: 217766.05	7376.50
26	Spillway	N: 442143.28 E: 217753.41	7377.00
27	Spillway	N: 442146.65 E: 217764.93	7377.00
28	Spillway Crest	N: 442139.44 E: 217754.54	7376.50
29	Riprap	N: 442138.35 E: 217736.10	7370.40
30	Spillway Crest	N: 442099.13 E: 217766.35	7376.50
31	Spillway Crest	N: 442102.51 E: 217777.86	7376.50
32	Spillway	N: 442095.30 E: 217767.47	7377.00
33	Spillway	N: 442098.67 E: 217778.99	7377.00
34	Riprap	N: 442090.23 E: 217750.20	7370.52
35	TOP	N: 442069.80 E: 217773.72	7377.15



FOREBAY NOTES:

- SEE SHEET 65 FOR STRUCTURAL NOTES AND DETAILS.
- PEDESTRIAN RAILING IS NOT SHOWN IN PLAN VIEW DETAILS. SEE SECTION A FOR RAILING LOCATION.

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APPROVED: CPM	JOB NUMBER: 211030	0
CAD DATE: 3/4/2024		IF NOT ONE INCH, ADJUST SCALE ACCORDINGLY.
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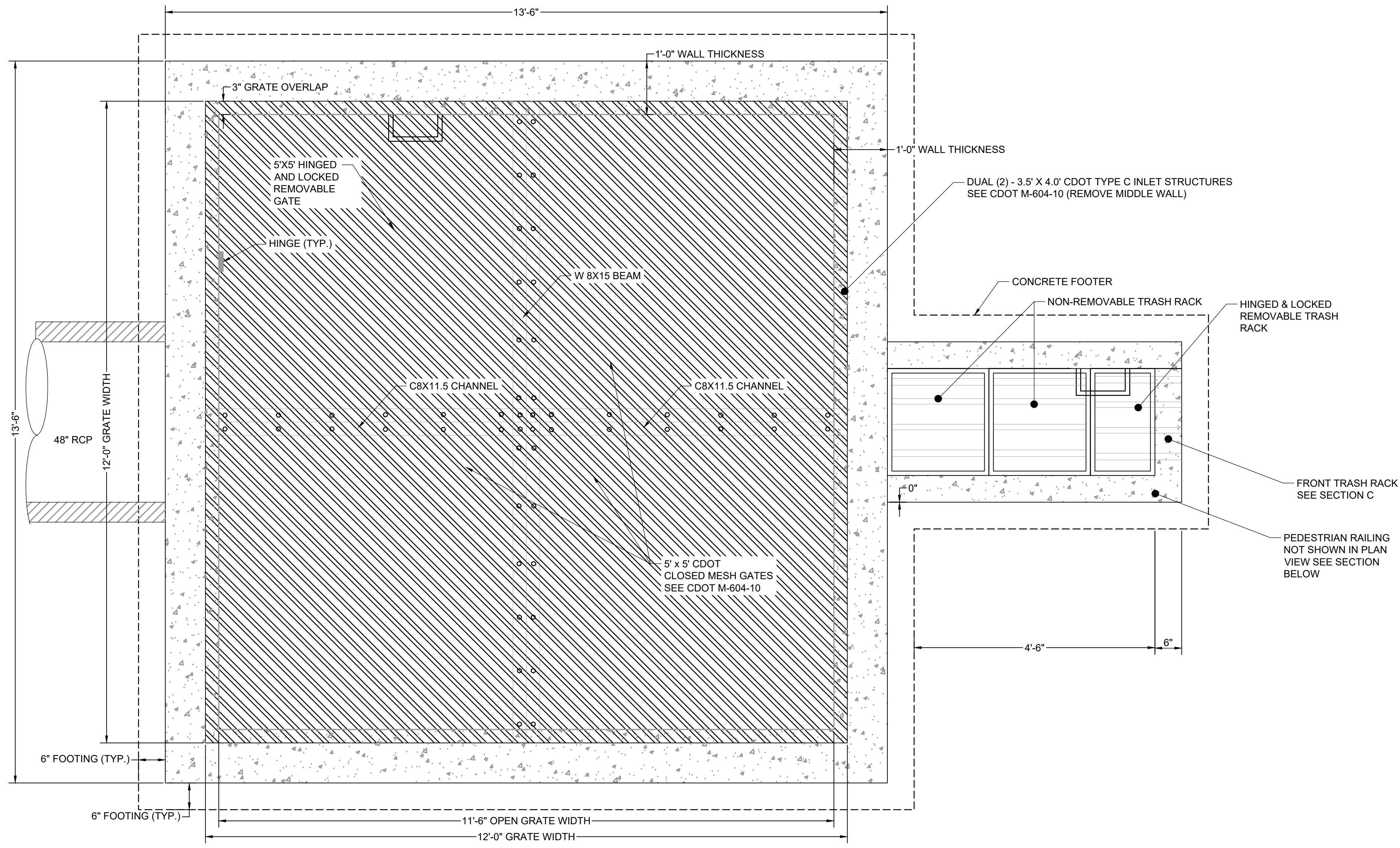
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COLORADO SPRINGS, CO 80920
PHONE: 719.300.4140
FAX: 713.965.0044

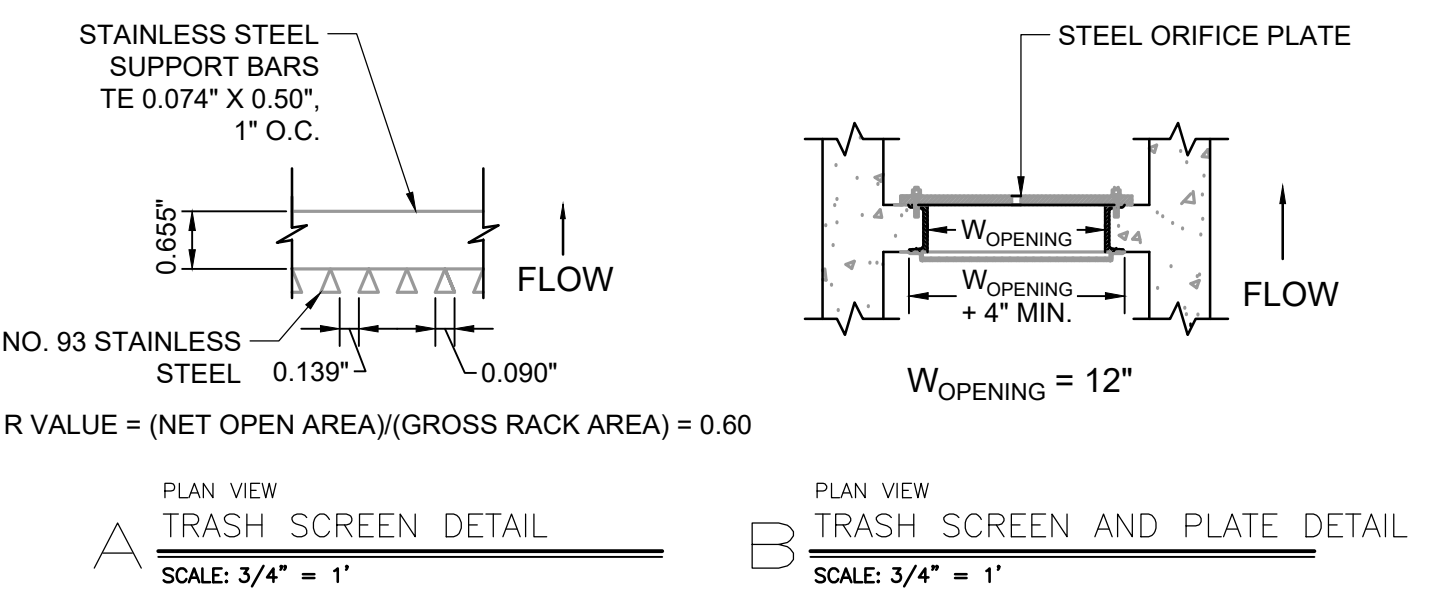
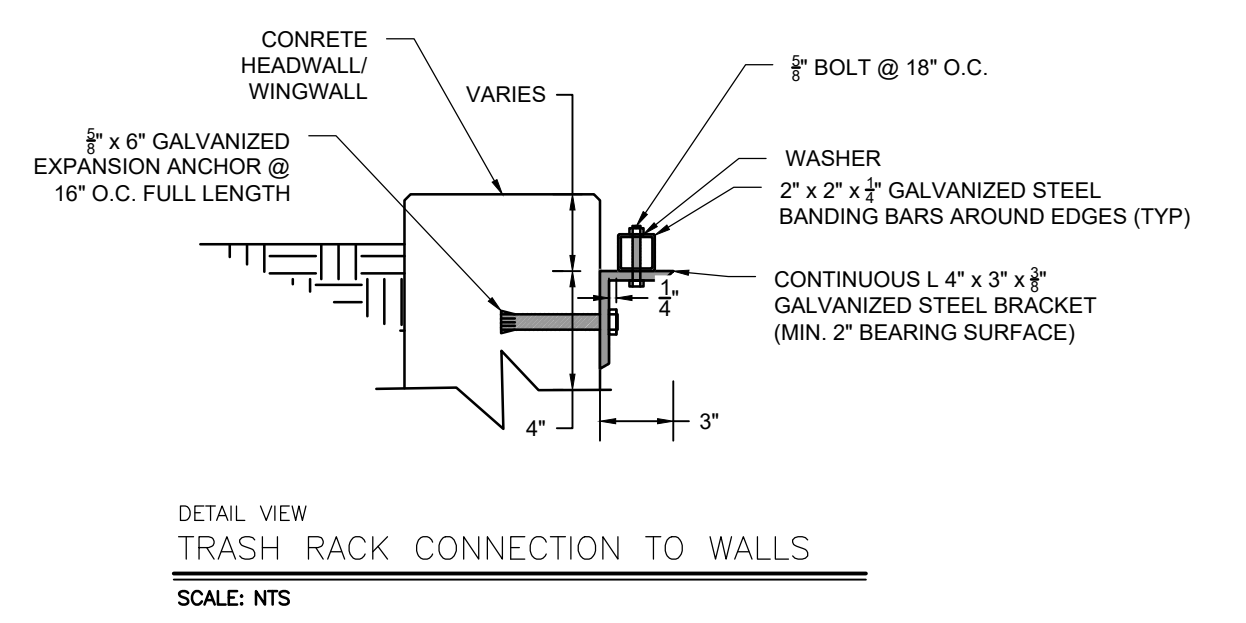
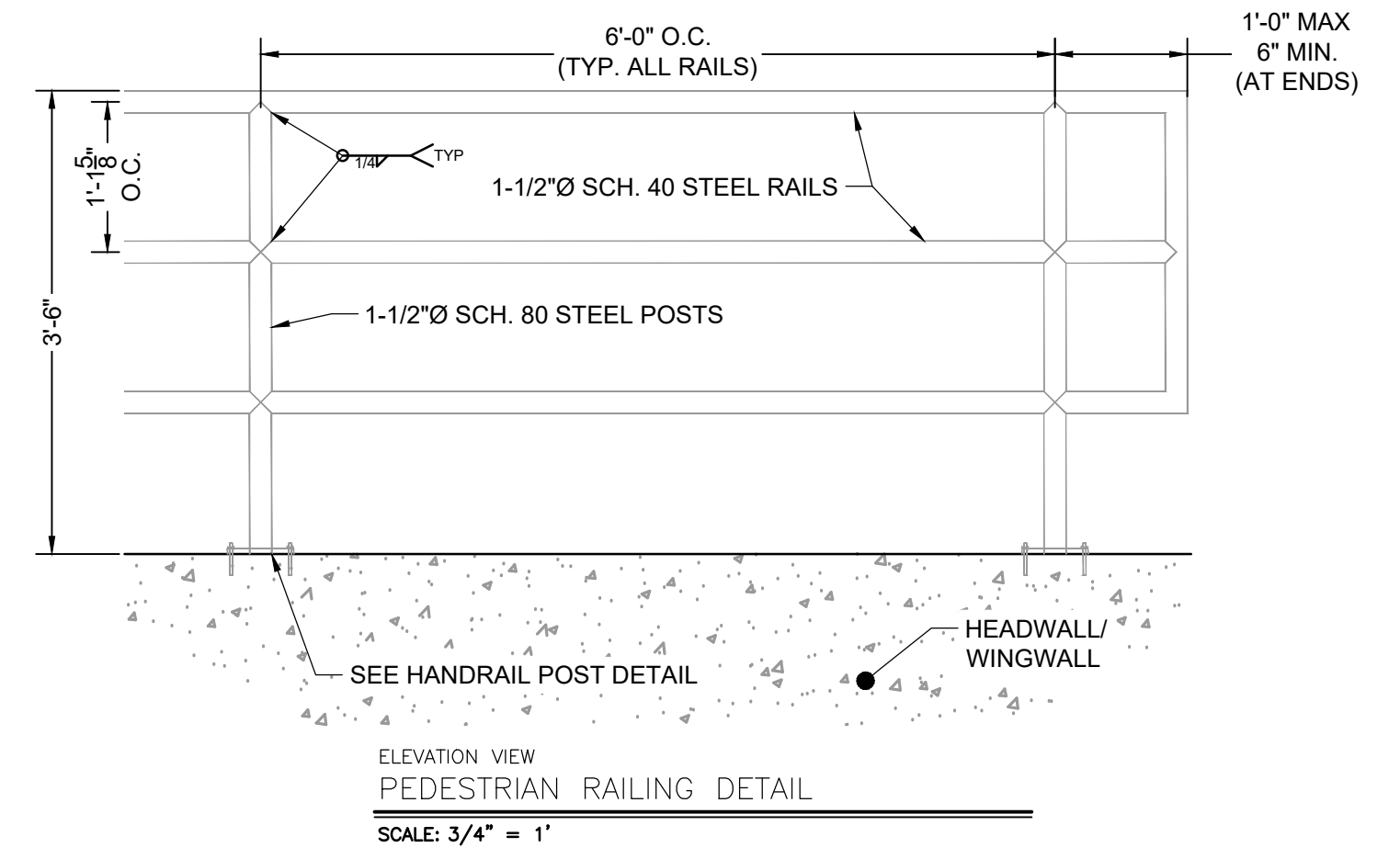
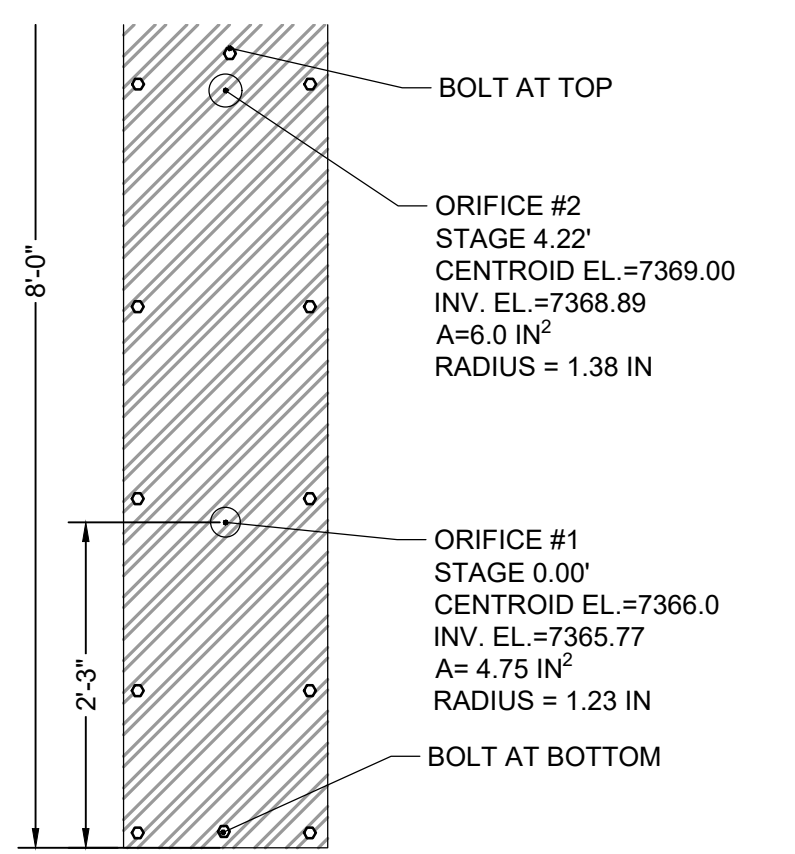
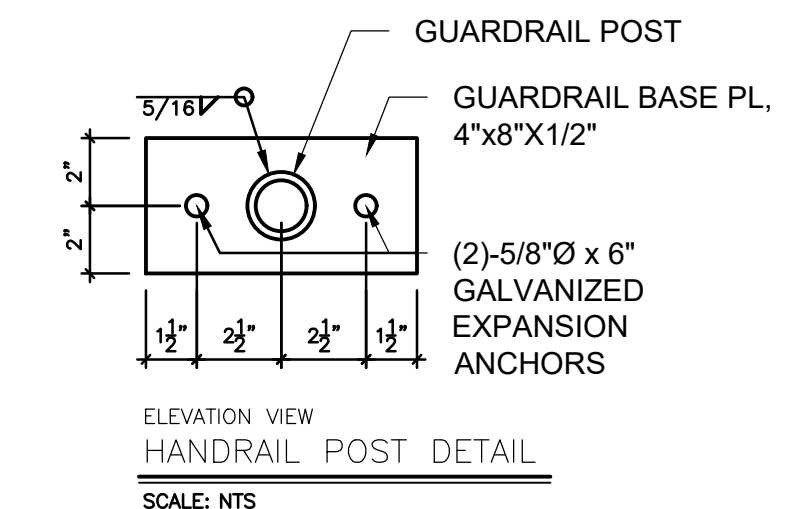
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CONSTRUCTION DOCUMENTS
POND B FOREBAY DETAILS

SHEET
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PLAN VIEW
 POND OUTLET STRUCTURE PLAN
 SCALE: 3/4" = 1'



*REINFORCEMENT DESIGN WILL BE PROVIDED PRIOR TO APPROVAL BY CITY OF COLORADO SPRINGS
 *REINFORCEMENT DESIGN WILL BE PROVIDED PRIOR TO APPROVAL BY CITY OF COLORADO SPRINGS

WARNING
 THIS AREA IS A STORMWATER FACILITY
 AND IS SUBJECT TO PERIODIC FLOODING

POND WARNING SIGN
 SCALE: NTS
 MINIMUM SIGN AREA = 3 FT²
 SIGNS SHALL BE FABRICATED OF DURABLE MATERIALS, SUCH AS METAL OR PLASTIC, USING RED LETTERING ON A WHITE BACKGROUND

TWO SIGNS, EACH WITH A MINIMUM AREA OF 3 SQUARE FEET, SHALL BE PROVIDED AROUND THE PERIMETER OF ALL DETENTION FACILITIES. THE SIGNS SHALL BE FABRICATED OF DURABLE MATERIALS, SUCH AS METAL OR PLASTIC, USING RED LETTERING ON A WHITE BACKGROUND WITH THE ABOVE MESSAGE

DRAWN BY: DLH	JOB DATE: 2/29/2024	BAR IS ONE INCH ON OFFICIAL DRAWINGS.
APPROVED: RDL	JOB NUMBER: 211030	0
CAD DATE: 3/4/2024		IF NOT ONE INCH, ADJUST SCALE ACCORDINGLY.
CAD FILE: J:\2021\211030\CAD\Drawings\C\Estates_CDs\Outlet_Structure_Details		

NO.	DATE	BY	REVISION DESCRIPTION

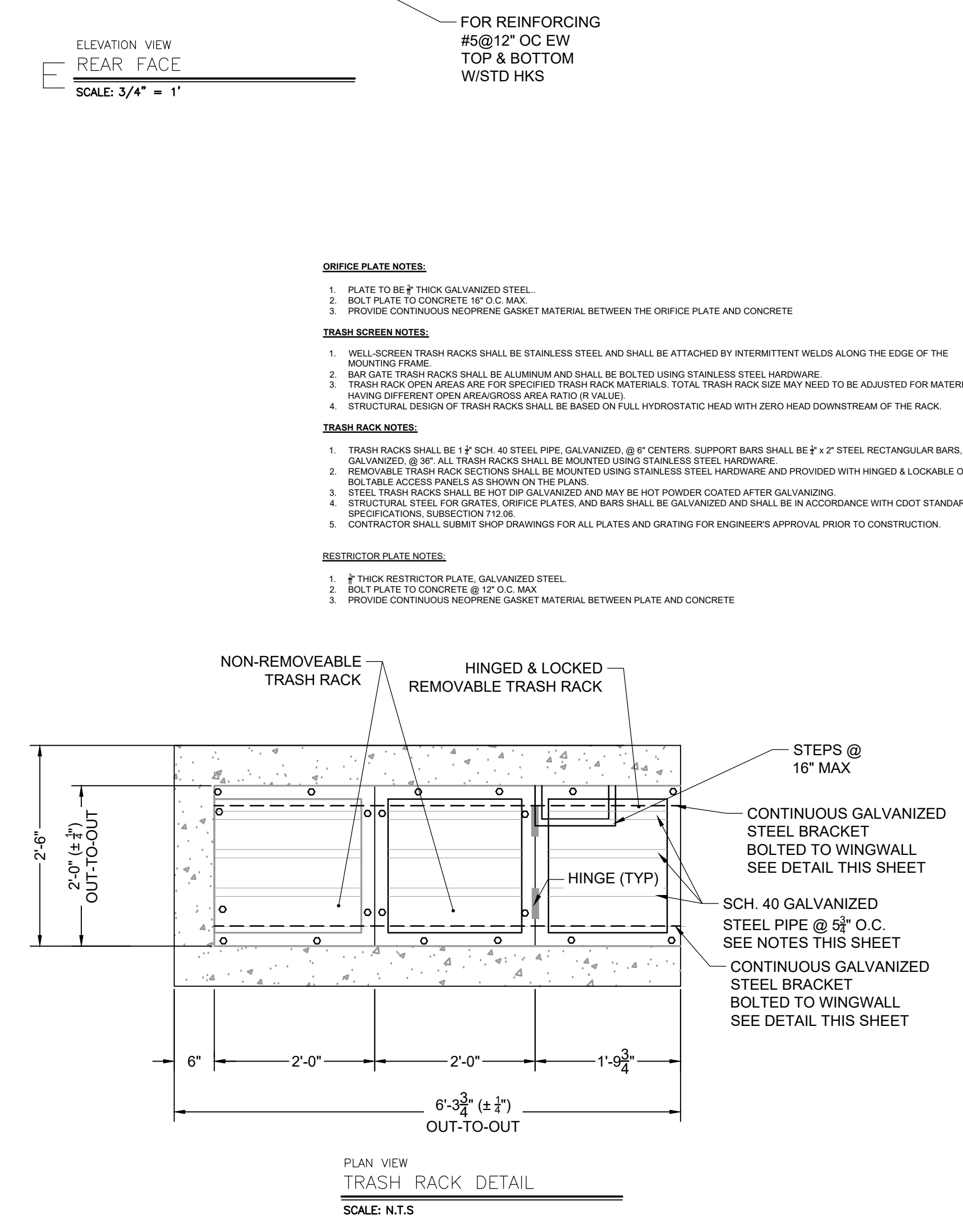
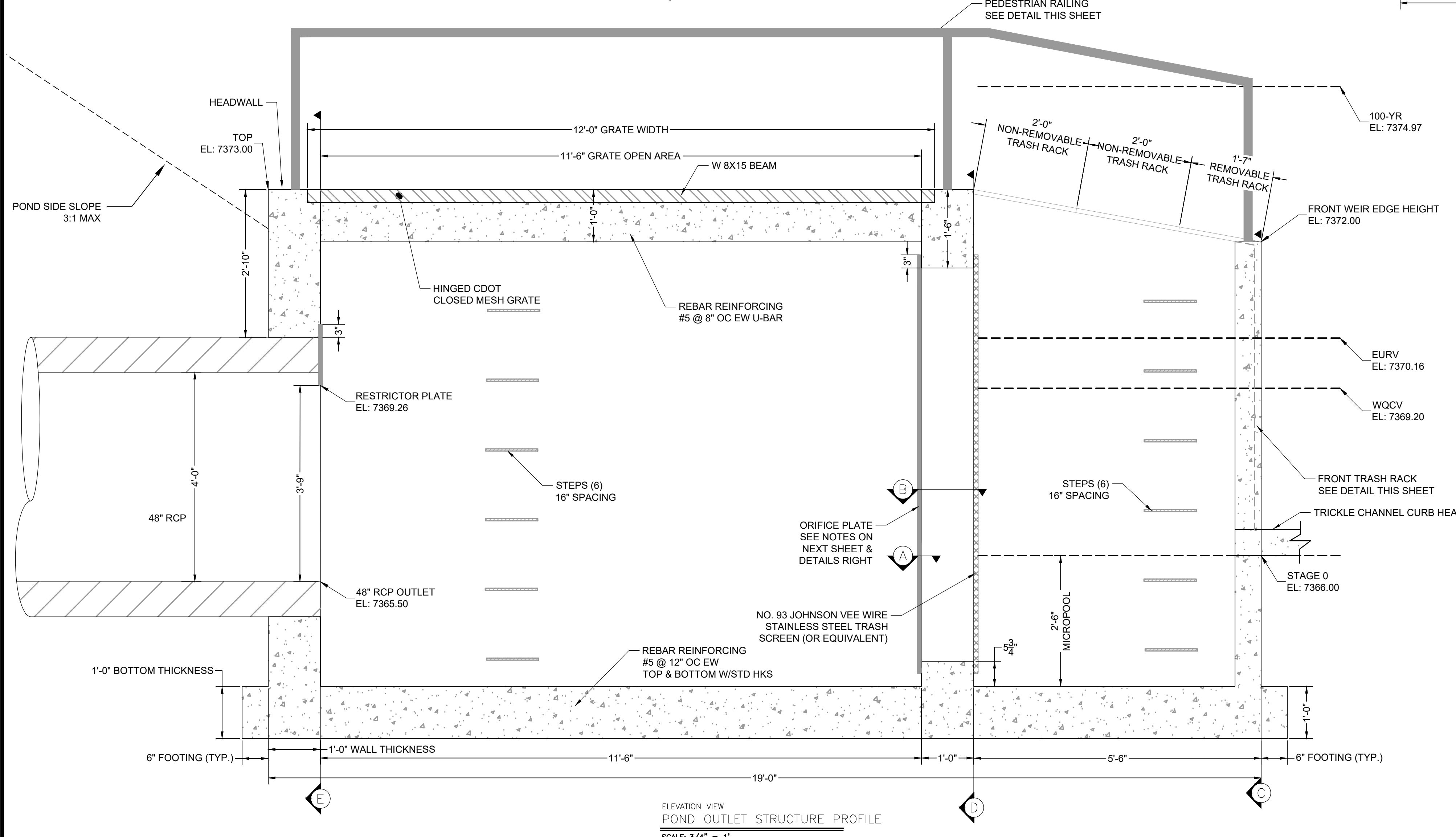
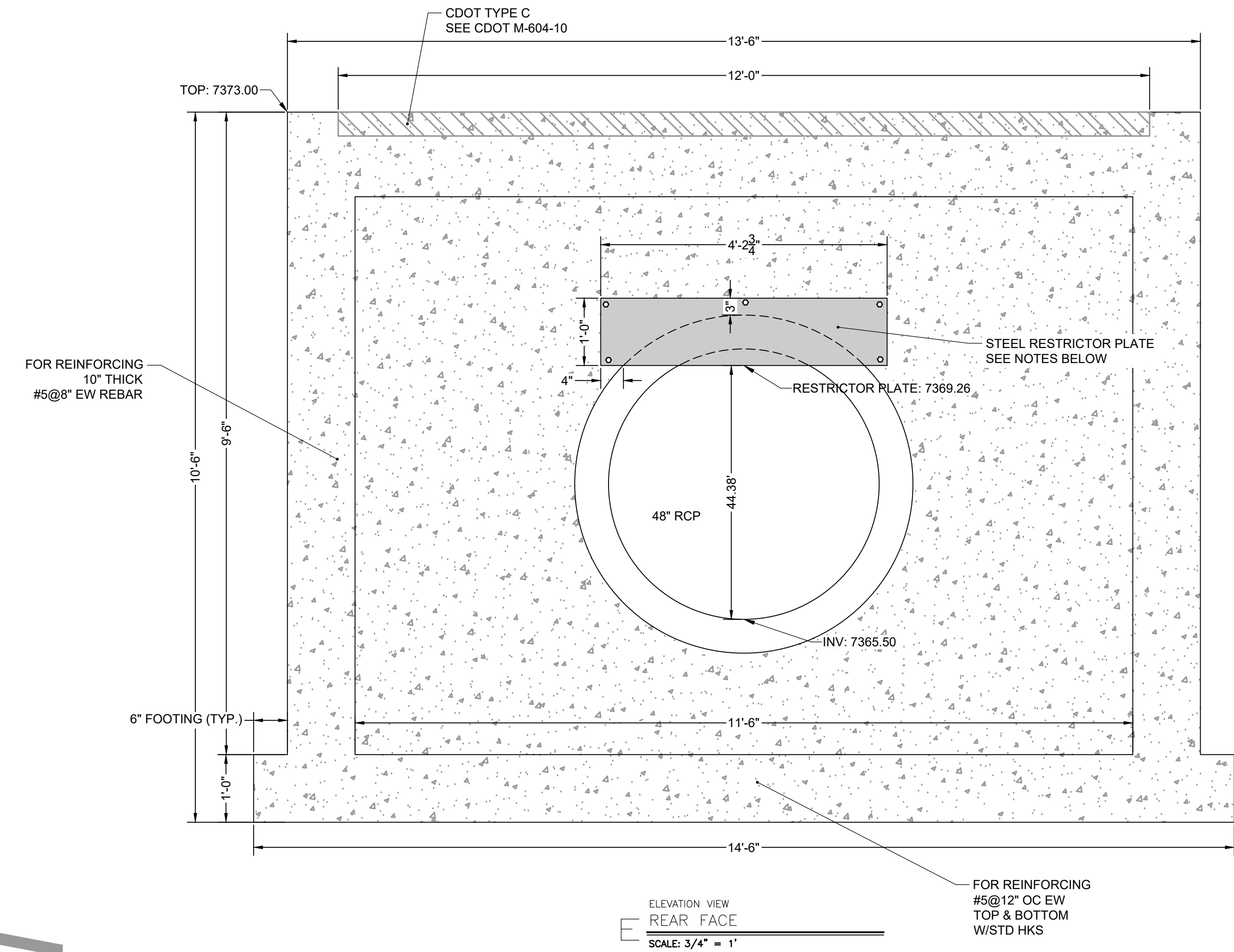
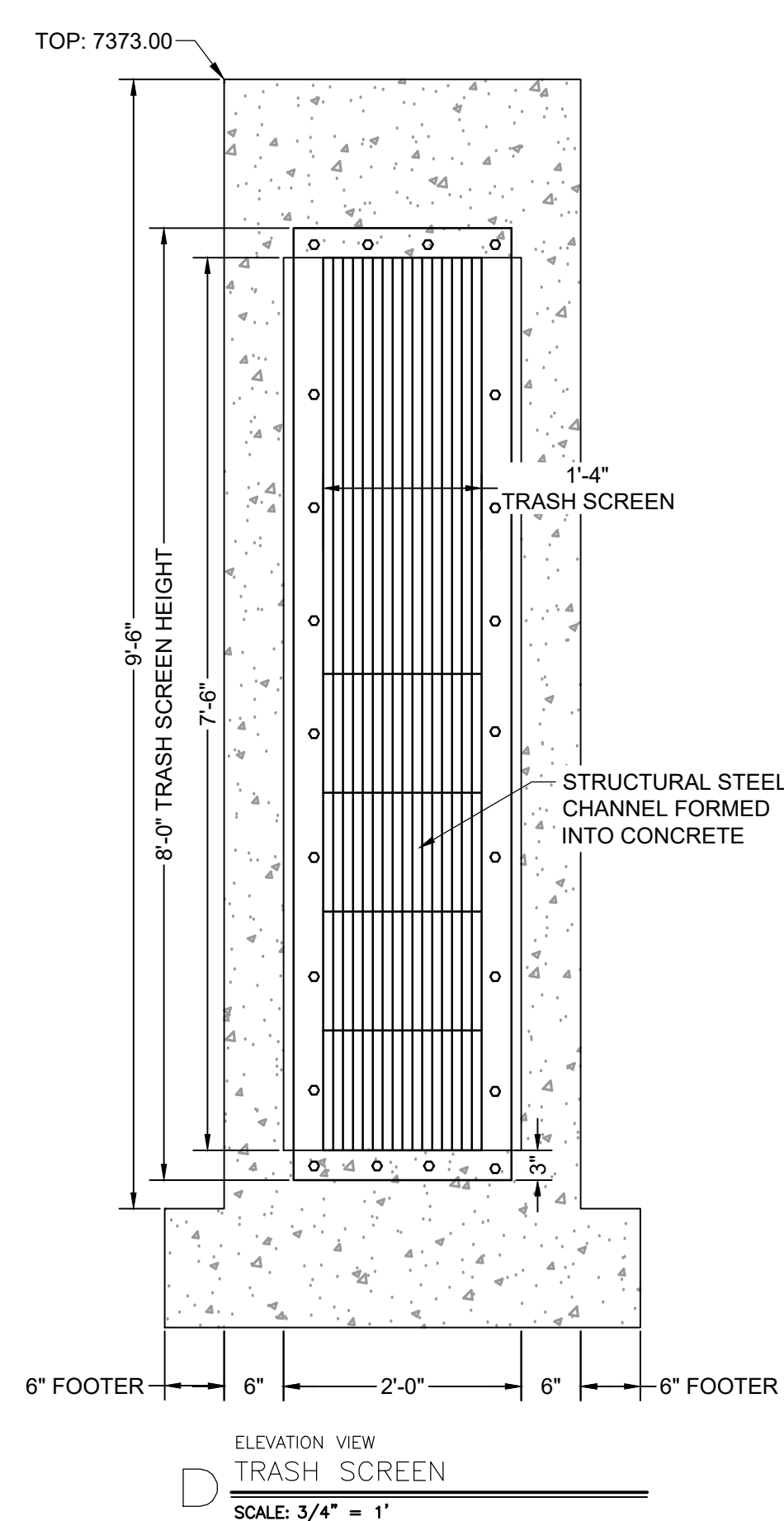
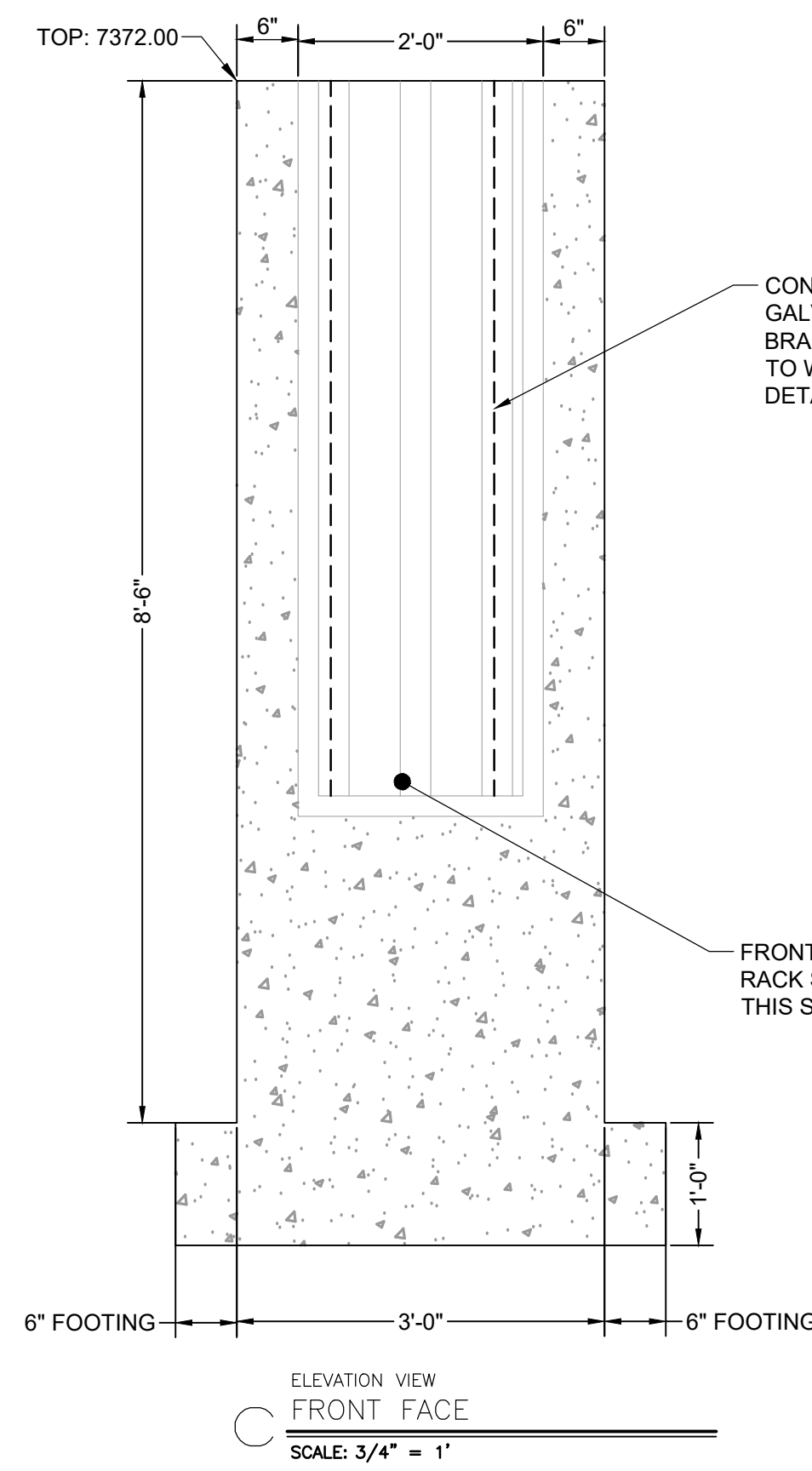


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 EL PASO COUNTY, CO

CONSTRUCTION DOCUMENTS
 POND B OUTLET STRUCTURE DETAILS

SHEET
 PND
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- ORIFICE PLATE NOTES:**
1. PLATE TO BE 2" THICK GALVANIZED STEEL.
 2. BOLT PLATE TO CONCRETE @ 12" O.C. MAX.
 3. PROVIDE CONTINUOUS NEOPRENE GASKET MATERIAL BETWEEN THE ORIFICE PLATE AND CONCRETE.
- TRASH SCREEN NOTES:**
1. W/ST. SCREEN TRASH RACKS SHALL BE STAINLESS STEEL AND SHALL BE ATTACHED BY INTERMITTENT WELDS ALONG THE EDGE OF THE MOUNTING FRAME.
 2. BAR GATE TRASH RACKS SHALL BE ALUMINUM AND SHALL BE BOLTED USING STAINLESS STEEL HARDWARE.
 3. TRASH RACK OPEN AREAS ARE FOR SPECIFIED TRASH RACK MATERIALS. TOTAL TRASH RACK SIZE MAY NEED TO BE ADJUSTED FOR MATERIALS HAVING DIFFERENT OPEN AREA/GROSS AREA RATIO (R VALUE).
 4. STRUCTURAL DESIGN OF TRASH RACKS SHALL BE BASED ON FULL HYDROSTATIC HEAD WITH ZERO HEAD DOWNSTREAM OF THE RACK.
- TRASH RACK NOTES:**
1. TRASH RACKS SHALL BE 1" SCH. 40 STEEL PIPE, GALVANIZED, @ 8" CENTERS. SUPPORT BARS SHALL BE 2" X 2" STEEL RECTANGULAR BARS, GALVANIZED, @ 30". ALL TRASH RACKS SHALL BE MOUNTED USING STAINLESS STEEL HARDWARE.
 2. REMOVABLE TRASH RACK SECTIONS SHALL BE MOUNTED USING STAINLESS STEEL HARDWARE AND PROVIDED WITH HINGED & LOCKABLE OR BOLT TABLE ACCESS PANELS AS SHOWN ON THIS PLAN.
 3. STEEL TRASH RACKS SHALL BE HOT DIP GALVANIZED AND MAY BE HOT POWDER COATED AFTER GALVANIZING.
 4. STRUCTURAL STEEL FOR GRATES, ORIFICE PLATES, AND BARS SHALL BE GALVANIZED AND SHALL BE IN ACCORDANCE WITH CDOT STANDARD SPECIFICATIONS, SUBSECTION 712.05.
 5. CONTRACTOR SHALL SUBMIT SHOP DRAWINGS FOR ALL PLATES AND GRATING FOR ENGINEERS APPROVAL PRIOR TO CONSTRUCTION.
- RESTRICTOR PLATE NOTES:**
1. 2" THICK RESTRICTOR PLATE, GALVANIZED STEEL.
 2. BOLT PLATE TO CONCRETE @ 12" O.C. MAX.
 3. PROVIDE CONTINUOUS NEOPRENE GASKET MATERIAL BETWEEN PLATE AND CONCRETE.

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EL PASO COUNTY, CO

CONSTRUCTION DOCUMENTS
POND B OUTLET STRUCTURE DETAILS 2

SHEET
PND
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