

FLYING HORSE NORTH FILING NO. 4 CONSTRUCTION DOCUMENTS

A TRACT OF LAND BEING A PORTION OF SECTION 30, TOWNSHIP 11 SOUTH,
RANGE 65 WEST OF THE 6TH P.M., AND A PORTION OF SECTION 31, TOWNSHIP 11
SOUTH, RANGE 65 WEST OF THE 6TH P.M.,
CITY OF COLORADO SPRINGS, COUNTY OF EL PASO, STATE OF COLORADO

LEGAL DESCRIPTION:

TWO (2) PARCELS OF LAND BEING A PORTION OF NORTHEAST QUARTER OF SECTION 36, TOWNSHIP 11 SOUTH, RANGE 66 WEST, A PORTION OF SOUTH HALF OF SECTION 30, AND A PORTION OF NORTH HALF OF SECTION 31, TOWNSHIP 11 SOUTH, RANGE 65 WEST THE SIXTH PRINCIPAL MERIDIAN, BEING MORE PARTICULARLY DESCRIBED AS FOLLOWS:

BASIS OF BEARINGS: THE NORTH LINE OF THE NORTHEAST QUARTER OF THE NORTHEAST QUARTER OF SECTION 36, TOWNSHIP 11 SOUTH, RANGE 66 WEST OF THE SIXTH PRINCIPAL MERIDIAN, BEING MONUMENTED AT THE WEST END BY A 1" YELLOW PLASTIC CAP STAMPED "18235" AND THE EAST END BY A 2" ALUMINUM CAP STAMPED "32439" WITH APPROPRIATE MARKINGS, IS ASSUMED TO BEAR N89°03'58"E A DISTANCE OF 1,332.09 FEET.

PARCEL 1:

COMMENCING AT THE NORTHWEST CORNER OF SECTION 31, TOWNSHIP 11 SOUTH, RANGE 65 WEST OF THE SIXTH PRINCIPAL MERIDIAN, SAID POINT BEING THE POINT OF BEGINNING; THENCE N89°06'20"E ON THE NORTH OF LINE OF THE NORTHWEST QUARTER OF THE NORTHWEST QUARTER OF SAID SECTION 31 A DISTANCE OF 1,474.13 FEET TO THE WEST SIXTEENTH CORNER OF SAID SECTION 31; THENCE N00°08'30"E ON THE WEST LINE OF THE SOUTHWEST QUARTER OF THE SOUTHWEST QUARTER OF SECTION 30, TOWNSHIP 15 SOUTH, RANGE 65 WEST OF THE SIXTH PRINCIPAL MERIDIAN, A DISTANCE OF 1325.48 FEET TO THE SOUTHWEST SIXTEENTH CORNER OF SAID SECTION 30; THENCE N89°03'20"E ON THE NORTH LINE OF THE SOUTHWEST QUARTER OF THE SOUTHWEST QUARTER OF SAID SECTION 30, A DISTANCE OF 920.27 FEET; THENCE N00°08'15"E A DISTANCE OF 128.29 FEET; THENCE S55°57'42"E A DISTANCE OF 423.40 FEET; THENCE S13°57'08"E A DISTANCE OF 628.43 FEET TO A POINT ON THE NORTHERLY RIGHT-OF-WAY LINE OF OLD STAGECOACH ROAD AS PLATTED IN FLYING HORSE NORTH FILING NO.1, RECORDED UNDER RECEPTION NUMBER 218714238; THENCE ON SAID NORTHERLY RIGHT-OF-WAY LINE THE FOLLOWING SIX (6) COURSES:

- S52°41'25"W A DISTANCE OF 1,517.83 FEET TO A POINT OF CURVE;
- ON THE ARC OF A CURVE TO THE RIGHT HAVING A DELTA OF 52°50'29", A RADIUS OF 760.00 FEET A DISTANCE OF 700.92 FEET TO A POINT OF TANGENT;
- N74°28'06"W A DISTANCE OF 169.05 FEET TO A POINT OF CURVE;
- ON THE ARC OF A CURVE TO THE LEFT, HAVING A DELTA OF 32°53'45", A RADIUS OF 1,640.00 FEET, A DISTANCE OF 941.59 FEET TO A POINT OF TANGENT;
- S72°38'09"W A DISTANCE OF 400.46 FEET TO A POINT OF CURVE;
- ON THE ARC OF A CURVE TO THE RIGHT, HAVING A DELTA OF 00°45'53", A RADIUS OF 3,460.00 FEET A DISTANCE OF 46.18 FEET TO A POINT ON CURVE, SAID POINT BEING THE SOUTHEAST CORNER OF LOT 28 OF SAID FLYING HORSE NORTH FILING NO. 1;

THENCE N00°13'46"W ON THE EAST LINE OF SAID LOT 28, A DISTANCE OF 497.29 FEET TO A POINT ON THE NORTH LINE OF THE NORTHEAST QUARTER OF SECTION 36, TOWNSHIP 11 SOUTH, RANGE 66 WEST OF THE SIXTH PRINCIPAL MERIDIAN; THENCE N89°03'58"E ON SAID NORTH LINE A DISTANCE OF 491.20 FEET TO THE POINT OF BEGINNING.

CONTAINING A CALCULATED AREA OF 2,475,776 SQUARE FEET OR 56.836 ACRES, MORE OR LESS.

PARCEL 2:

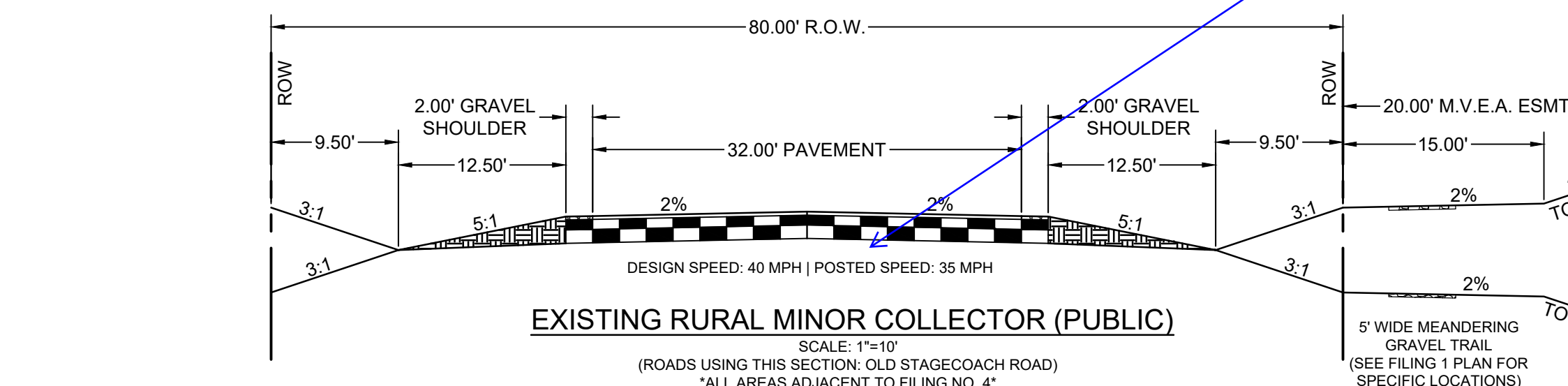
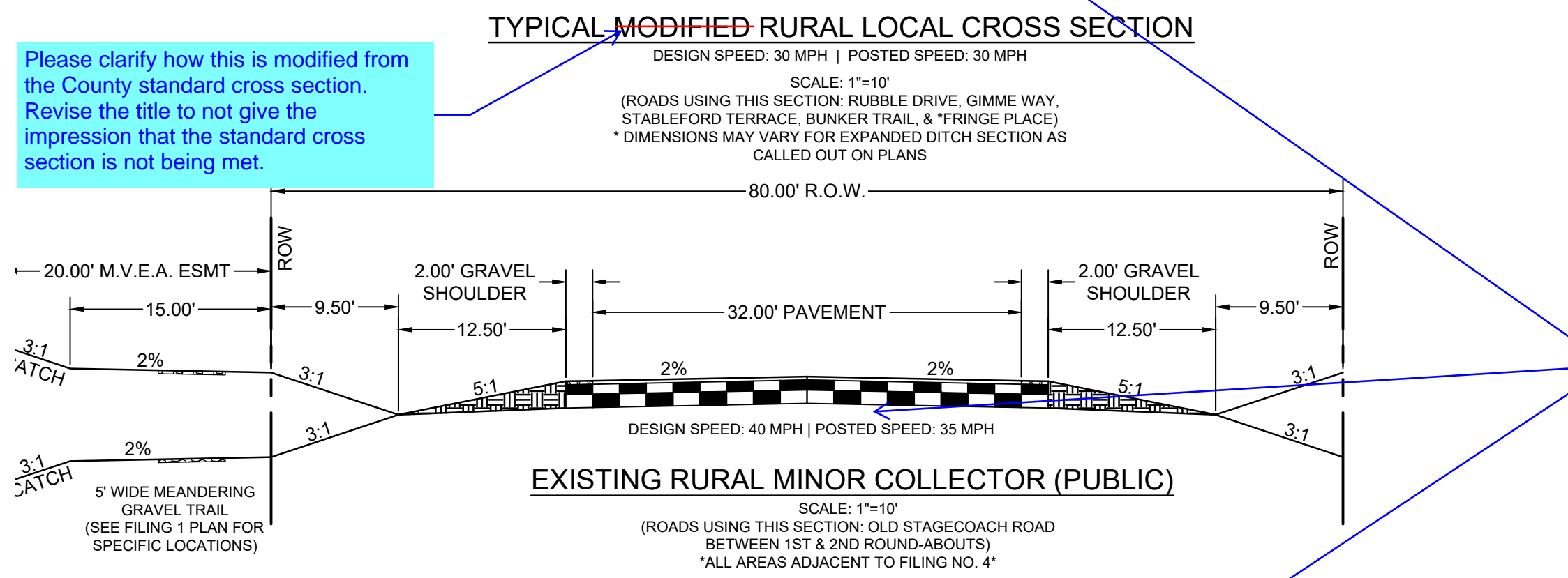
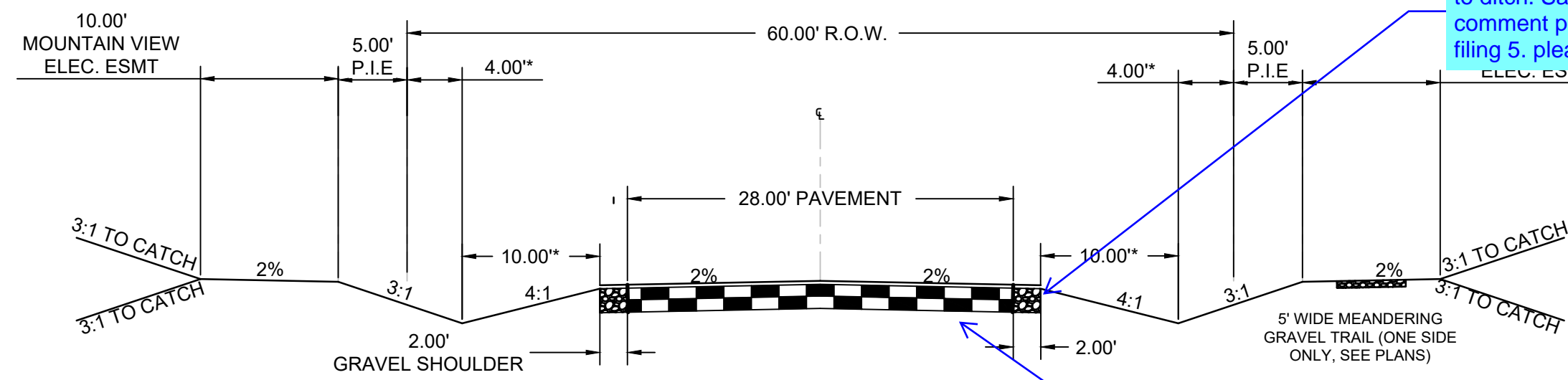
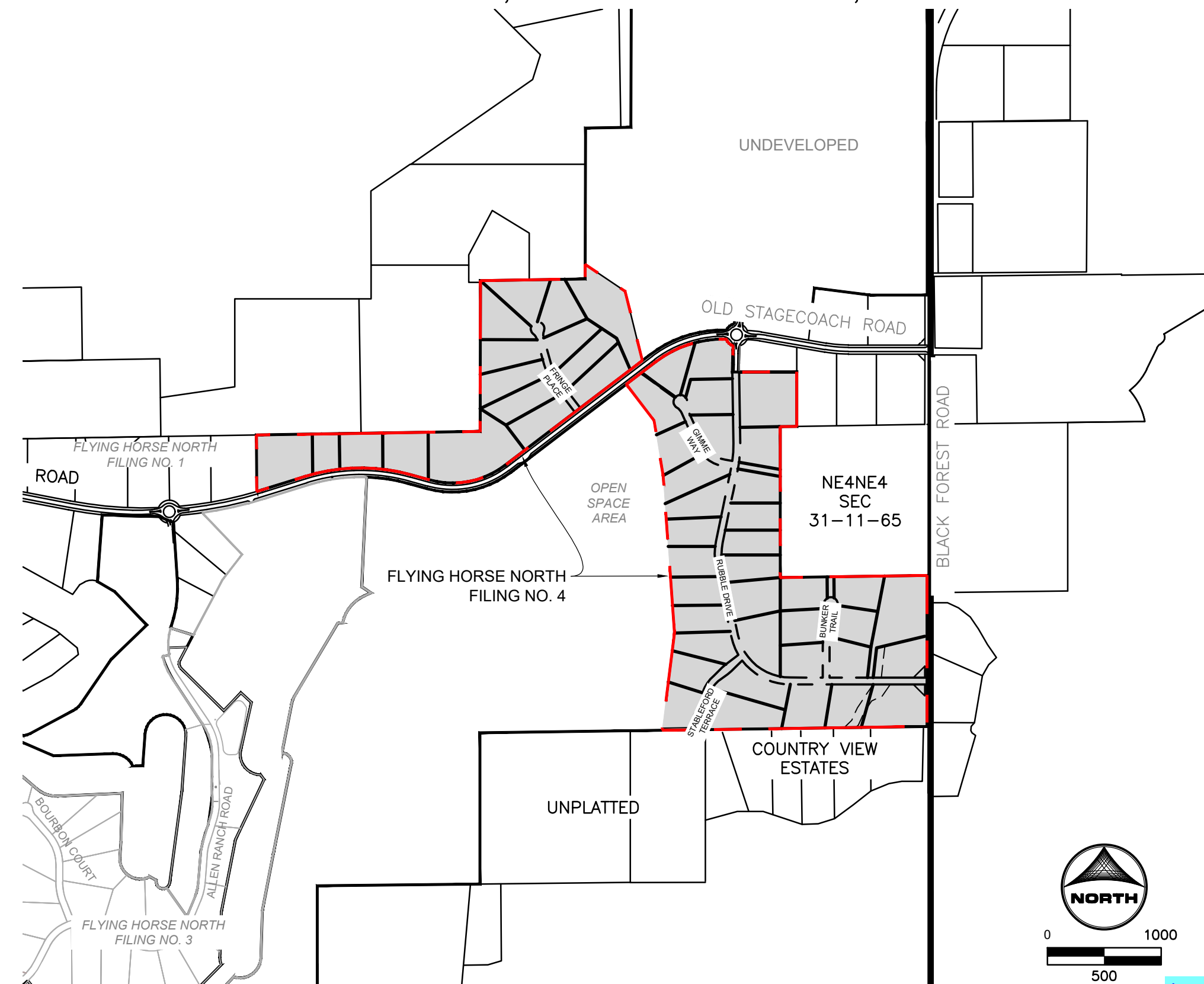
COMMENCING AT THE SOUTHEAST CORNER OF LOT 80, FLYING HORSE NORTH FILING NO.1, RECORDED UNDER RECEPTION NUMBER 218714238, SAID POINT BEING ON THE WESTERLY LINE OF LOT 79, FLYING HORSE NORTH FILING NO. 1, SAID POINT BEING THE POINT OF BEGINNING; THENCE S00°00'00"E ON THE WEST LINE OF SAID LOT 79, A DISTANCE OF 477.97 FEET TO A POINT ON THE SOUTH LINE OF THE SOUTHWEST QUARTER OF THE SOUTHWEST QUARTER OF SECTION 30, TOWNSHIP 11 SOUTH, RANGE 65 WEST OF THE SIXTH PRINCIPAL MERIDIAN.

THENCE S89°04'37"W, ON THE SOUTH LINE OF THE SOUTHWEST QUARTER OF THE SOUTHWEST QUARTER OF SAID SECTION 30, A DISTANCE OF 144.30 FEET TO THE EAST SIXTEENTH CORNER OF SECTION 31; THENCE S00°00'11"E, ON THE EAST LINE OF THE NORTHWEST QUARTER OF THE NORTHEAST QUARTER OF SAID SECTION 31, A DISTANCE OF 1,328.67 FEET TO THE NORTHEAST SIXTEENTH CORNER OF SAID SECTION 31; THENCE N89°08'21"E, ON THE NORTH LINE OF THE SOUTHWEST QUARTER OF THE NORTHEAST QUARTER OF SAID SECTION 31, A DISTANCE OF 1,289.57 FEET TO A POINT ON THE WESTERLY RIGHT OF WAY LINE OF BLACK FOREST ROAD, SAID POINT BEING 30.00 FEET WEST OF AND PARALLEL TO THE EAST LINE OF THE SOUTHWEST QUARTER OF THE NORTHEAST QUARTER OF SAID SECTION 31; THENCE S00°00'54"W, ON THE WESTERLY RIGHT OF WAY LINE OF SAID BLACK FOREST ROAD BEING ALSO 30.00 FEET WEST OF AND PARALLEL TO THE EAST LINE OF THE SOUTHWEST QUARTER OF THE NORTHEAST QUARTER OF SAID SECTION 31, A DISTANCE OF 1,328.09 FEET TO A POINT ON THE SOUTH LINE OF THE SOUTHWEST QUARTER OF THE NORTHEAST QUARTER OF SAID SECTION 31; THENCE S89°11'15"W, ON THE SOUTH LINE OF THE NORTHEAST QUARTER OF SAID SECTION 31, A DISTANCE OF 2,327.40 FEET; THENCE N07°08'46"E A DISTANCE OF 860.74 FEET; THENCE N04°05'31"W A DISTANCE OF 1,388.17 FEET; THENCE N09°22'22"W A DISTANCE OF 488.58 FEET; THENCE N37°18'35"W A DISTANCE OF 402.75 FEET TO A POINT ON THE SOUTHERLY RIGHT-OF-WAY LINE OF OLD STAGECOACH ROAD AS PLATTED IN FLYING HORSE NORTH FILING NO.1, RECORDED UNDER RECEPTION NUMBER 218714238; THENCE ON THE BOUNDARY OF SAID FLYING HORSE NORTH FILING NO.1 THE FOLLOWING EIGHT (8) COURSES:

- N52°41'25"E A DISTANCE OF 330.02 FEET TO A POINT OF CURVE;
- ON THE ARC OF A CURVE TO THE RIGHT HAVING A DELTA OF 38°46'50", A RADIUS OF 960.00 FEET A DISTANCE OF 649.77 FEET TO A POINT OF TANGENT;
- S88°31'45"E A DISTANCE OF 8.27 FEET TO A POINT ON CURVE;
- ON THE ARC OF A CURVE TO THE LEFT WHOSE CENTER BEARS N67°53'33"E, HAVING A DELTA OF 48°57'51", A RADIUS OF 100.00 FEET A DISTANCE OF 85.46 FEET TO A POINT ON CURVE;
- S01°28'15"W A DISTANCE OF 152.16 FEET TO A POINT OF CURVE;
- ON THE ARC OF A CURVE TO THE LEFT HAVING A DELTA OF 00°53'47", A RADIUS OF 5,030.00 FEET A DISTANCE OF 78.69 FEET TO A POINT ON CURVE;
- S89°25'32"E A DISTANCE OF 60.00 FEET;
- N89°59'56"E A DISTANCE OF 505.80 FEET TO THE POINT OF BEGINNING.

CONTAINING A CALCULATED AREA OF 5,181,149 SQUARE FEET OR 119.943 ACRES, MORE OR LESS.

PARCEL 1 AND PARCEL 2 CONTAIN A TOTAL CALCULATED AREA OF 7,656,925 SQUARE FEET OR 175.779 ACRES.



PROJECT CONTACTS:

OWNER/DEVELOPER

HR GREEN
6385 CORPORATE DRIVE, STE. 200
COLORADO SPRINGS, CO 80919
ATTN: DREW BALSICK
TELE: (719) 592-9333

APPLICANT

HR GREEN
1975 RESEARCH PKWY SUITE 160
COLORADO SPRINGS, CO 80920
TELE: (719) 300-4140
ATTN: RICHIE LYON, P.E.
EMAIL: RICHIE.LYON@HRGREEN.COM

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HR GREEN
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ATTN: RICHIE LYON, P.E.
EMAIL: RICHIE.LYON@HRGREEN.COM

GEOTECHNICAL ENGINEER

COMPANY: ENTECH ENGINEERING, INC
ADDRESS: 505 ELKTON DRIVE
COLORADO SPRINGS, CO 80907
TELE: (719) 531-5599
ATTN: JOE GOODE
EMAIL: JGOODE@ENTECH-ENGINEERING.COM

TRAFFIC ENGINEER

SM ROCHA, LLC
8703 YATES DRIVE, STE 210
WESTMINSTER, CO 80031
TELE: (303) 458-9798
ATTN: MIKE ROCHA
EMAIL: MIKE@SMROCHA.COM

SURVEYOR

EDWARD-JAMES SURVEYING, INC.
926 ELKTON DRIVE
COLORADO SPRINGS, CO 80907
TELE: (719) 576-1216
ATTN: JONATHAN W. TESSIN
EMAIL: JTSSIN@EJSURVEYING.COM

UTILITY CONTACTS

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MOUNTAIN VIEW ELECTRIC ASSOCIATION
P.O BOX 1600
LIMON, CO 80831
TELE: (719) 392-3491
ATTN: LES ULFERS

NATURAL GAS

BLACK HILLS ENERGY
37 WIDEFIELD BLVD
WIDEFIELD, CO 80911
TELE: (719) 332-5856
ATTN: GEORGE M. PETERSON

FIRE

BLACK FOREST FIRE PROTECTION DISTRICT
114455 TEACHOUT ROAD
COLORADO SPRINGS, CO 80908
TELE: (719) 495-4300
ATTN: PJ LANGMAID

SHEET INDEX

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- LEGEND
- OVERALL SITE PLAN
- 7 - RUBBLE DRIVE
- GIMME WAY
- STABLEFORD TERRACE
- BUNKER TRAIL
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- ROADWAY INTERSECTION DETAILS
- BLACK FOREST ROAD & OLD STAGECOACH ROAD
- SIGNAGE AND STRIPING
- STORM CULVERTS
- POND OUTLET PIPES
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EL PASO COUNTY

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

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

IN ACCORDANCE WITH EIM 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.

JOSHUA PALMER P.E. DATE
COUNTY ENGINEER

DESIGN ENGINEER'S STATEMENT

THESE DETAILED PLANS AND SPECIFICATIONS WERE PREPARED UNDER MY DIRECTION AND SUPERVISION. SAID PLANS AND SPECIFICATIONS HAVE BEEN PREPARED ACCORDING TO THE CRITERIA ESTABLISHED BY THE COUNTY FOR DETAILED ROADWAY, DRAINAGE, GRADING AND EROSION CONTROL PLANS AND SPECIFICATIONS, AND SAID PLANS AND SPECIFICATIONS ARE IN CONFORMITY WITH APPLICABLE MASTER DRAINAGE PLANS AND MASTER TRANSPORTATION PLANS. SAID PLANS AND SPECIFICATIONS MEET THE PURPOSES FOR WHICH THE PARTICULAR ROADWAY AND DRAINAGE FACILITIES ARE DESIGNED AND ARE CORRECT TO THE BEST OF MY KNOWLEDGE AND BELIEF. I ACCEPT RESPONSIBILITY FOR ANY LIABILITY CAUSED BY ANY NEGLIGENCE, ACTS, ERRORS OR OMISSIONS ON MY PART IN PREPARATION OF THESE DETAILED PLANS AND SPECIFICATIONS.

RICHARD D. LYON, COLORADO P.E. NO. 53921 DATE

OWNER/DEVELOPER'S STATEMENT:

I, THE OWNER/DEVELOPER HAVE READ AND WILL COMPLY WITH THE REQUIREMENTS OF THE GRADING AND EROSION CONTROL PLAN AND ALL OF THE REQUIREMENTS SPECIFIED IN THESE DETAILED PLANS AND SPECIFICATIONS.

DREW BALSICK, PRI #2, LLC. DATE
VICE PRESIDENT

add PCD File No. SF2422

DRAWN BY: CMD JOB DATE: 10/30/2024
APPROVED: RDL JOB NUMBER: 211030.240
CAD DATE: 11/11/2024
CAD FILE: J:\2021\211030\CAD\DWG\C\Filing_No_4\CoverSheet

NO.	DATE	BY	REVISION DESCRIPTION



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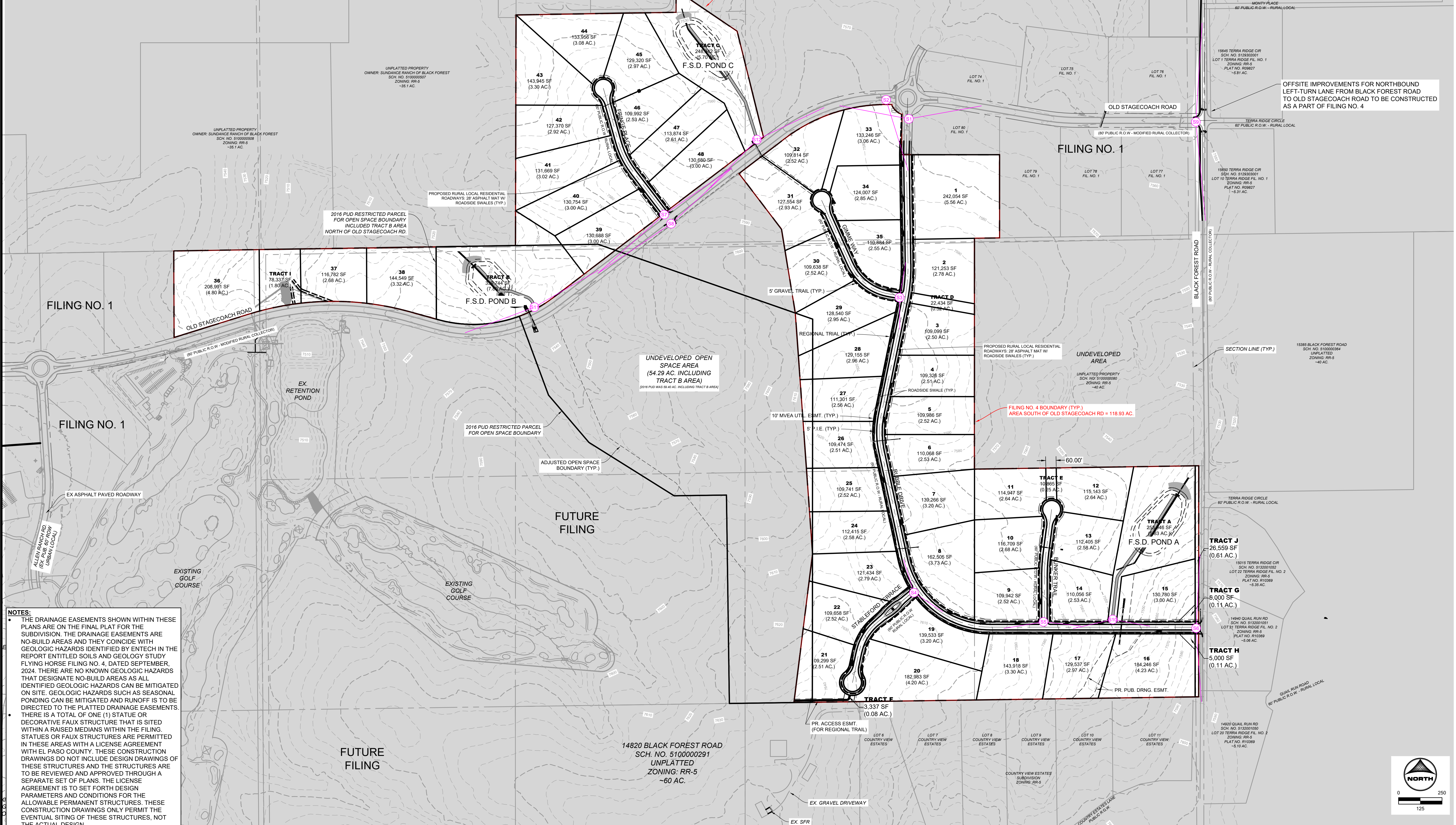
FLYING HORSE NORTH FILING 4
PRI #2, LLC.
EL PASO COUNTY, CO

COVER & LEGEND
COVER

SHEET
CV
1

PCD FILE NO.: SF2422

INTERSECTION SIGHT DISTANCE TABLE				
LOCATION ID	MINOR STREET	MAJOR STREET	SIGHT DISTANCE LEFT (FT)	SIGHT DISTANCE RIGHT (FT)
S1	RURAL LOCAL	RURAL COLLECTOR	405	425
S2	RURAL COLLECTOR	RURAL LOCAL	-	425
S3	RURAL LOCAL	RURAL LOCAL	205	184
S4	RURAL LOCAL	RURAL LOCAL	300	300
S5	RURAL LOCAL	RURAL LOCAL	215	215
S6	RURAL LOCAL	RURAL COLLECTOR	425	425
S7	RURAL LOCAL	RURAL COLLECTOR	474	507
S8	RURAL LOCAL	RURAL COLLECTOR	474	507
S9	RURAL COLLECTOR	RURAL MINOR ARTERIAL	570	570
S10	MAINT. PATH	RURAL LOCAL	200	184
S11	MAINT. PATH	RURAL COLLECTOR	425	425
S12	MAINT. PATH	RURAL COLLECTOR	425	425



NOTES:

- THE DRAINAGE EASEMENTS SHOWN WITHIN THESE PLANS ARE ON THE FINAL PLAN FOR THE SUBDIVISION. THE DRAINAGE EASEMENTS ARE NO-BUILD AREAS AND THEY COINCIDE WITH GEOLOGIC HAZARDS IDENTIFIED BY ENTECH IN THE REPORT ENTITLED SOILS AND GEOLOGY STUDY FLYING HORSE FILING NO. 4, DATED SEPTEMBER, 2024. THERE ARE NO KNOWN GEOLOGIC HAZARDS THAT DESIGNATE NO-BUILD AREAS AS ALL IDENTIFIED GEOLOGIC HAZARDS CAN BE MITIGATED ON SITE. GEOLOGIC HAZARDS SUCH AS SEASONAL PONDING CAN BE MITIGATED AND RUNOFF IS TO BE DIRECTED TO THE PLATTED DRAINAGE EASEMENTS.
- THERE IS A TOTAL OF ONE (1) STATUE OR DECORATIVE FAUX STRUCTURE THAT IS SITED WITHIN A RAISED MEDIANS WITHIN THE FILING. STATUES OR FAUX STRUCTURES ARE PERMITTED IN THESE AREAS WITH A LICENSE AGREEMENT WITH EL PASO COUNTY. THESE CONSTRUCTION DRAWINGS DO NOT INCLUDE DESIGN DRAWINGS OF THESE STRUCTURES AND THE STRUCTURES ARE TO BE REVIEWED AND APPROVED THROUGH A SEPARATE SET OF PLANS. THE LICENSE AGREEMENT IS TO SET FORTH DESIGN PARAMETERS AND CONDITIONS FOR THE ALLOWABLE PERMANENT STRUCTURES. THESE CONSTRUCTION DRAWINGS ONLY PERMIT THE EVENTUAL SITING OF THESE STRUCTURES, NOT THE ACTUAL DESIGN.

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 APPROVED: RDL JOB NUMBER: 211030.240
 CAD DATE: 11/1/2024
 CAD FILE: J:\2021\211030\CAD\Drawings\C\Filing_No_4\Site_Plan

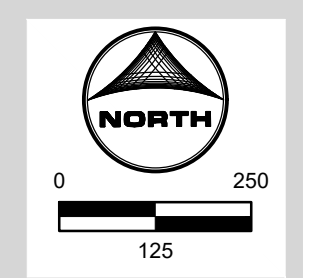
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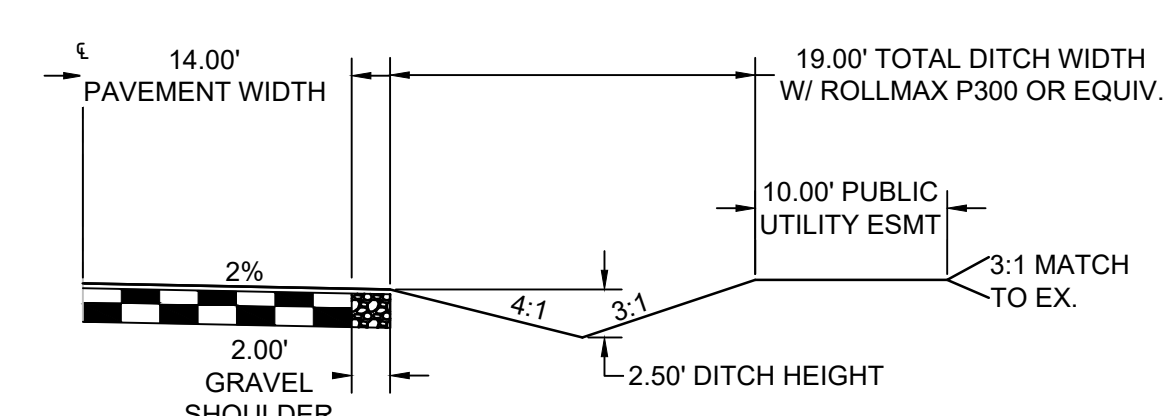
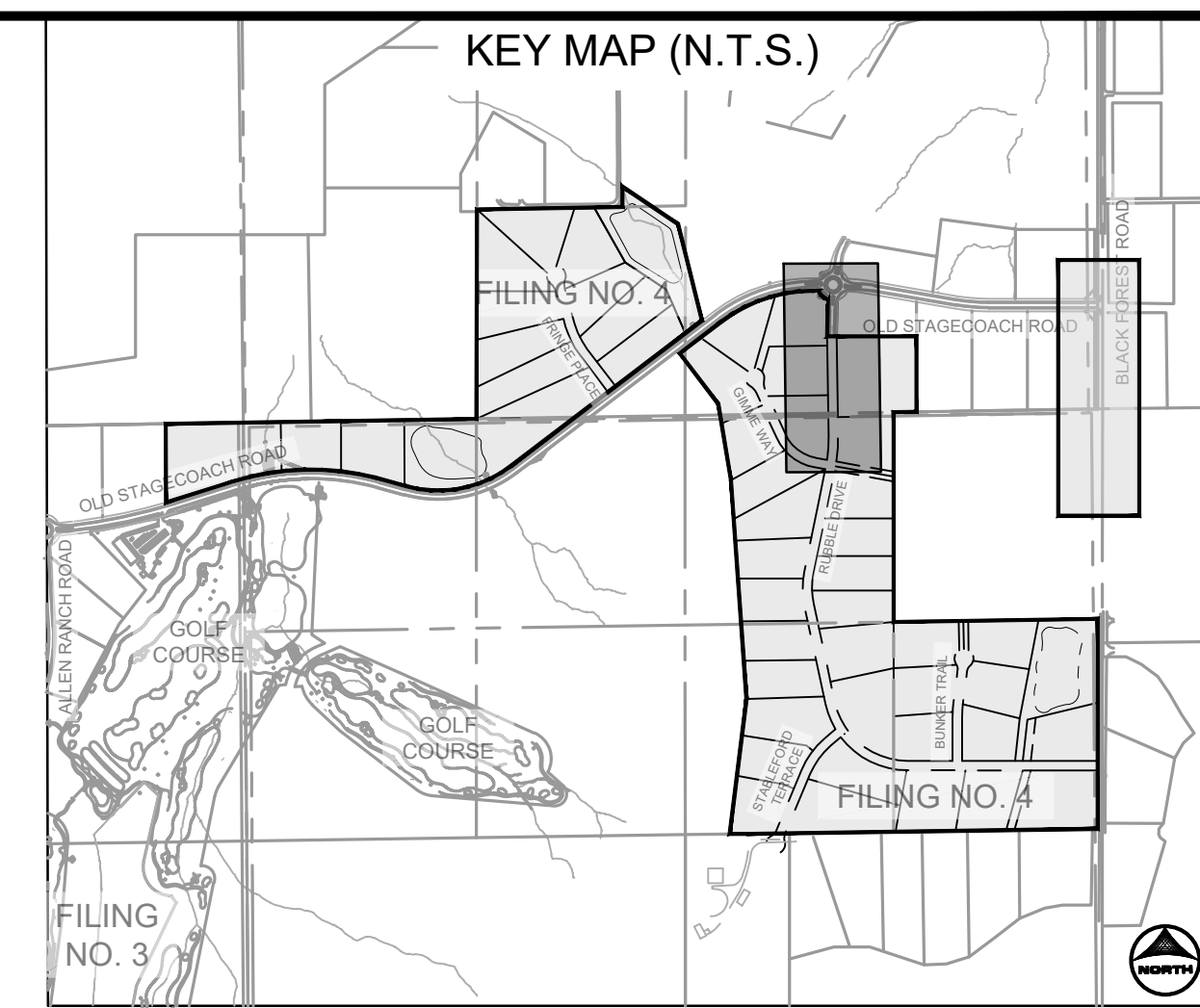
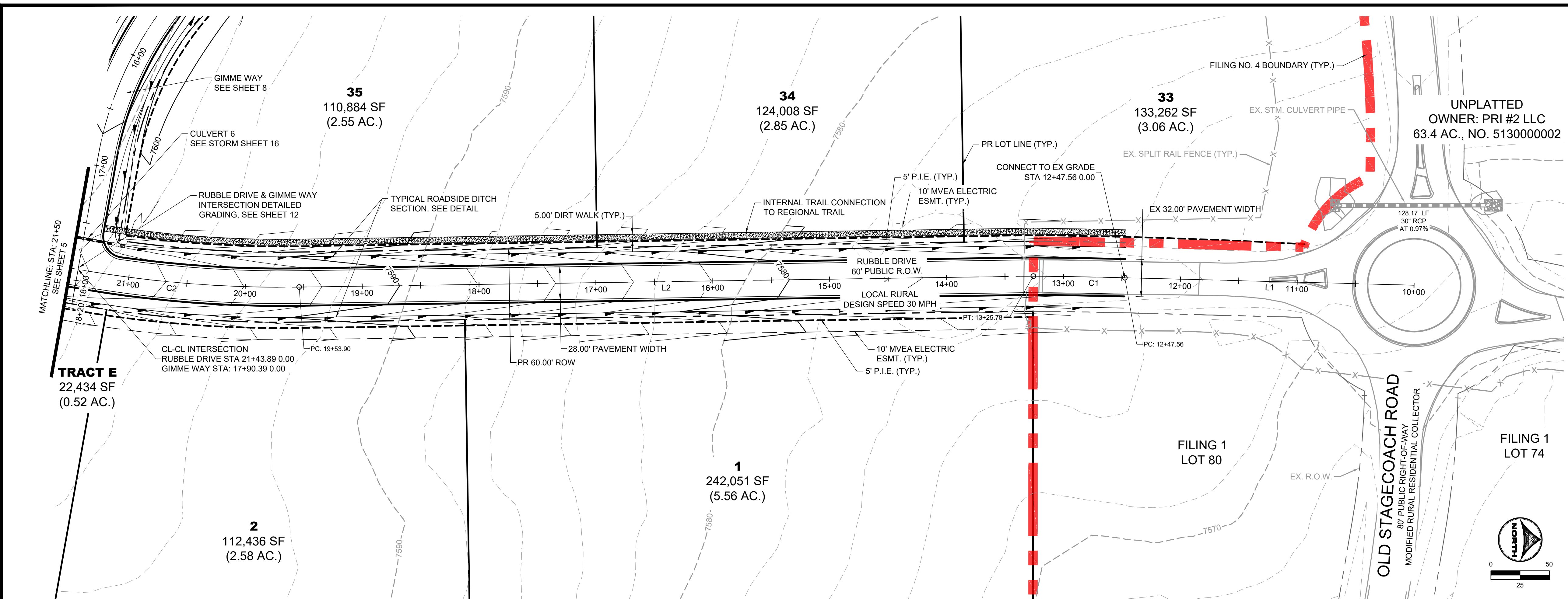
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**FLYING HORSE NORTH FILING 4
 PRI #2, LLC.
 EL PASO COUNTY, CO**

**CONSTRUCTION DRAWINGS
 OVERALL SITE PLAN**

**SHEET
 SP 3**

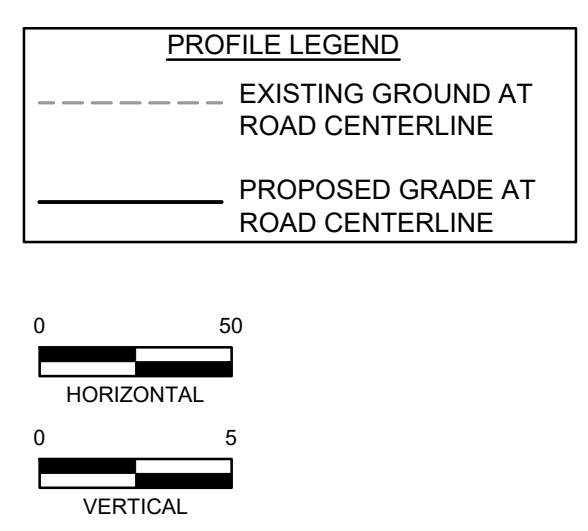
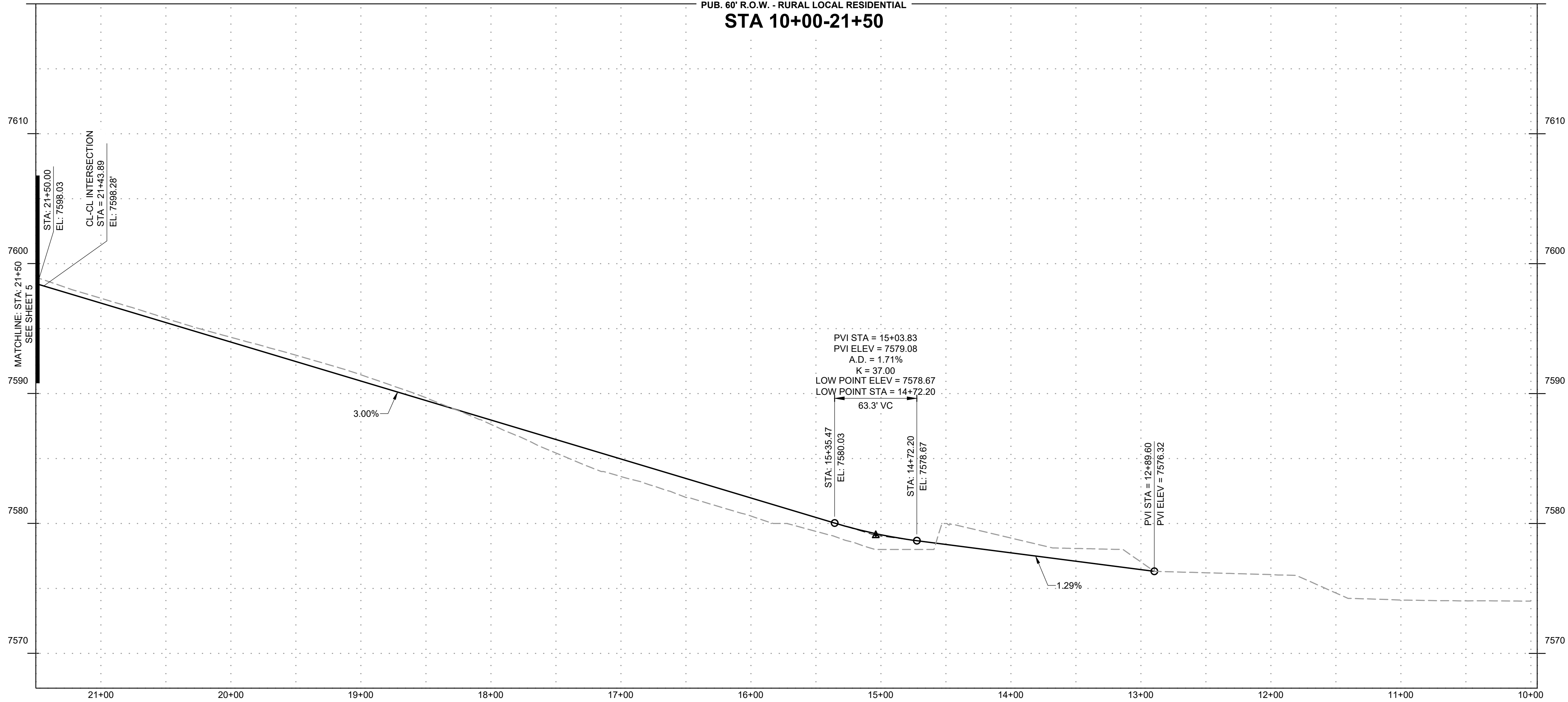




TYPICAL ROADSIDE DITCH SECTION
 SCALE: 1"=10'
 (ROADS USING THIS SECTION: A PORTION OF RUBBLE DRIVE, GIMME WAY, STABLEFORD TERRACE, BUNKER TRAIL, & FRINGE PLACE)

RUBBLE DRIVE
 PUB. 60' R.O.W. - RURAL LOCAL RESIDENTIAL
 STA 10+00-21+50

RUBBLE DRIVE					
TAG NO.	RADIUS	LENGTH	LINE/CHORD DIRECTION	BEG. NORTHING/EASTING	END NORTHING/EASTING
L1		247.56'	S1° 28' 14.72"W	N:447894.06, E:226705.73	N:447646.59, E:226699.37
C1	5000.00'	78.22'	S1° 01' 21.23"W	N:447646.59, E:226699.37	N:447568.38, E:226697.98
L2		628.12'	S0° 51' 28.87"E	N:447568.38, E:226697.98	N:446940.33, E:226707.38
C2	1000.00'	217.67'	S5° 22' 39.75"W	N:446940.33, E:226707.38	N:446724.04, E:226687.02
L3		664.39'	S11° 36' 48.37"W	N:446724.04, E:226687.02	N:446073.25, E:226553.27
C3	500.00'	207.42'	S0° 16' 15.67"E	N:446073.25, E:226553.27	N:445867.31, E:226554.25
L4		634.05'	S12° 09' 19.70"E	N:445867.31, E:226554.25	N:445247.48, E:226687.76
C4	500.00'	186.79'	S22° 51' 28.49"E	N:445247.48, E:226687.76	N:445076.35, E:226759.90
C5	500.00'	492.40'	S61° 46' 21.57"E	N:445076.35, E:226759.90	N:444852.76, E:227176.42
L5		315.35'	S89° 59' 05.88"E	N:444852.76, E:227176.42	N:444852.68, E:227491.77
L6		910.59'	S89° 59' 05.88"E	N:444852.68, E:227491.77	N:444852.44, E:228402.36
L7		24.86'	S89° 59' 05.88"E	N:444852.44, E:228402.36	N:444852.43, E:228427.22



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 APPROVED: RDL JOB NUMBER: 211030.240
 CAD DATE: 11/11/2024
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BAR IS ONE INCH ON OFFICIAL DRAWINGS.
 IF NOT ONE INCH, ADJUST SCALE ACCORDINGLY.

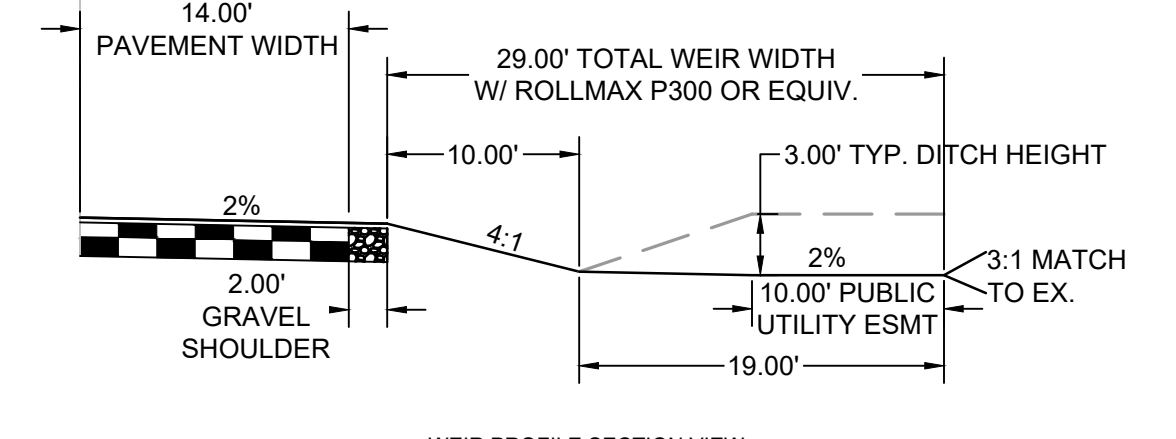
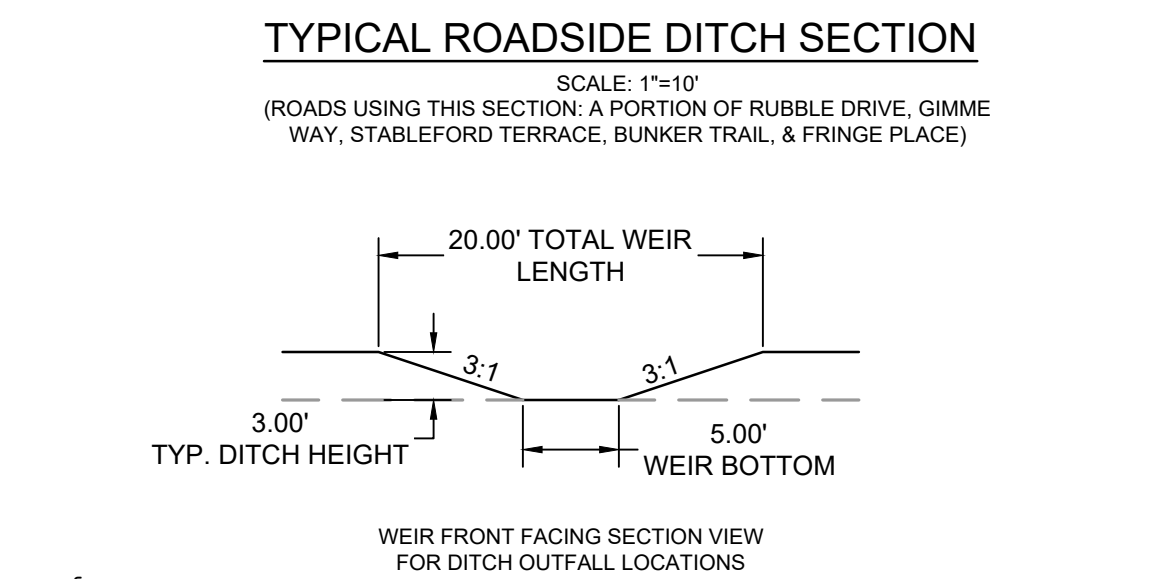
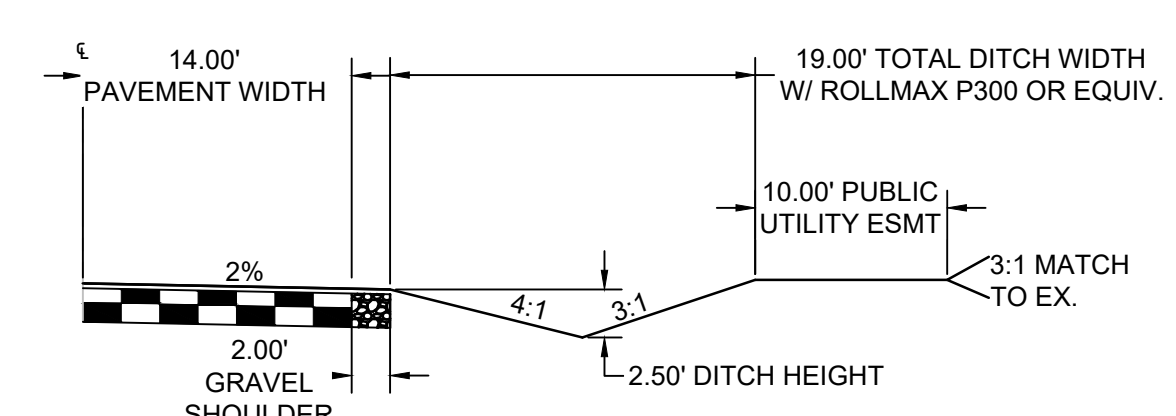
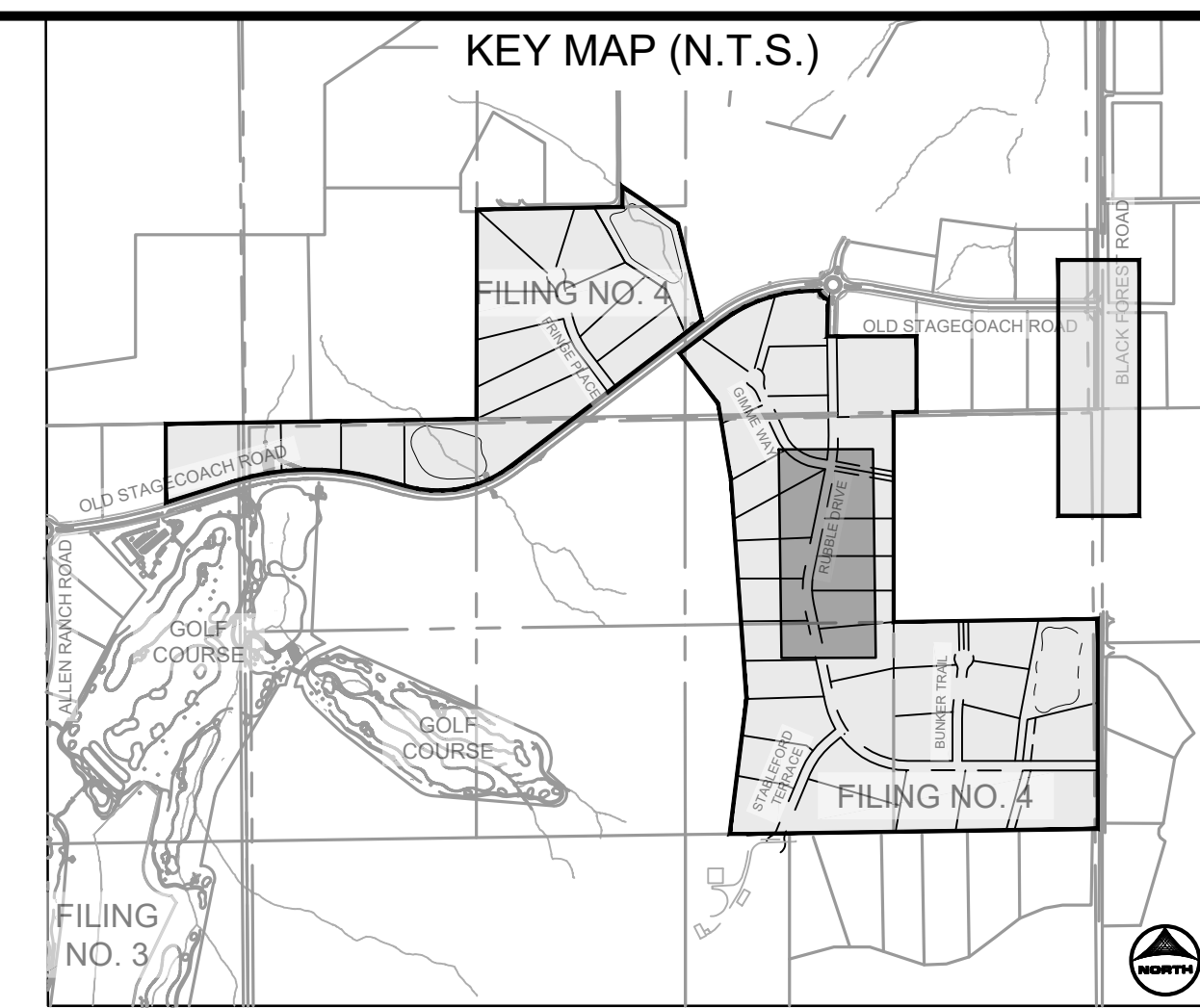
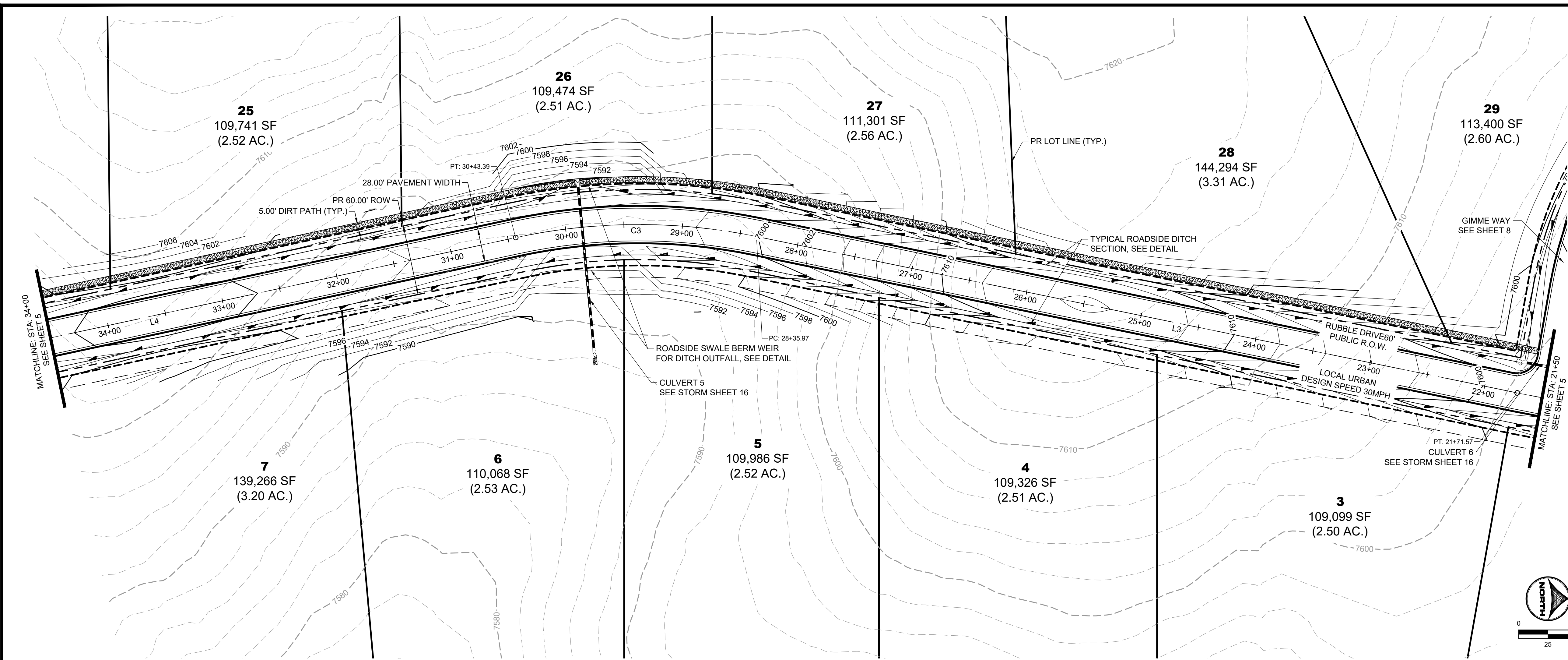
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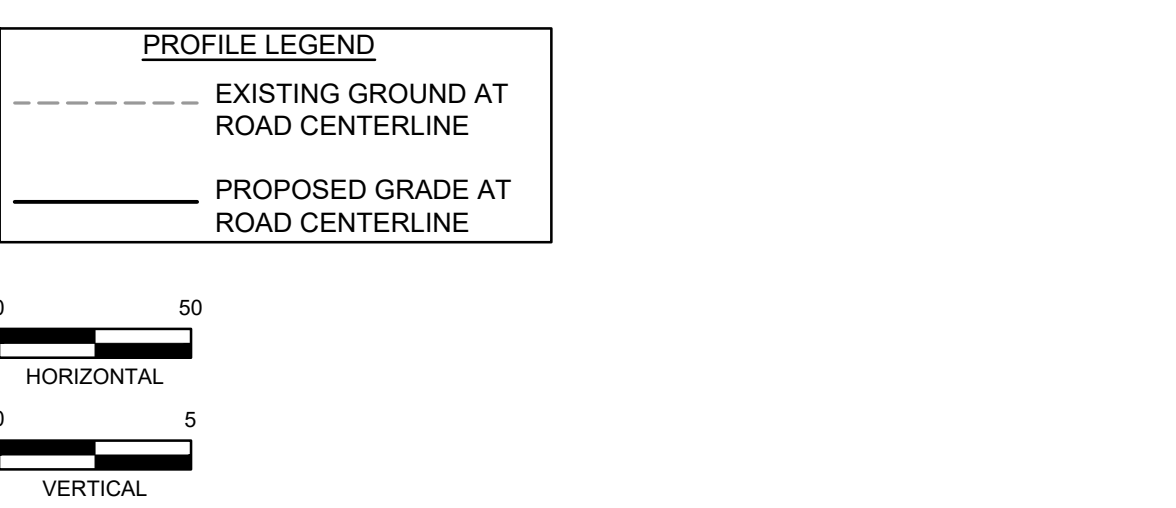
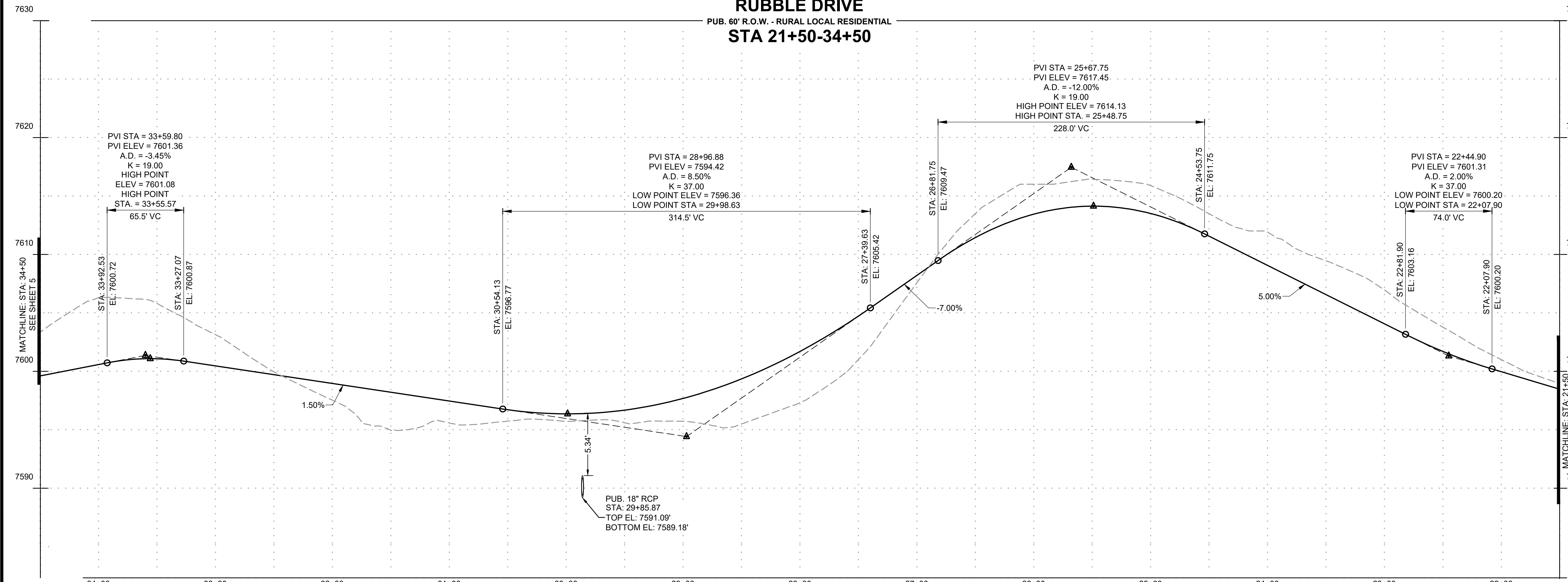
FLYING HORSE NORTH FILING 4
PRI #2, LLC.
 EL PASO COUNTY, CO

STREET PLAN & PROFILES
RUBBLE DRIVE

SHEET
ST
4



RUBBLE DRIVE
PUB. 60' R.O.W. - RURAL LOCAL RESIDENTIAL
STA 21+50-34+50



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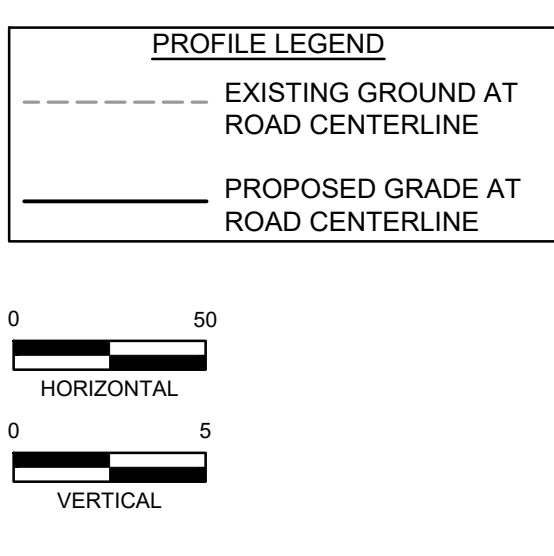
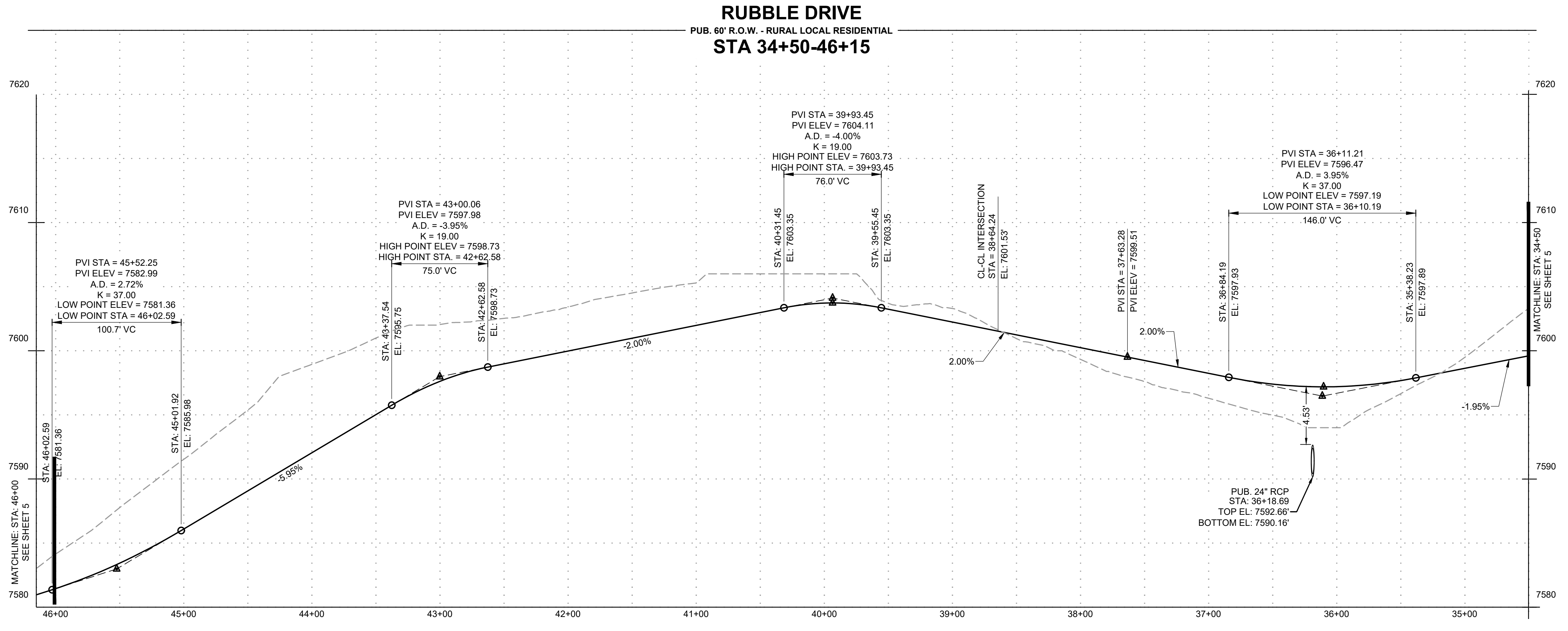
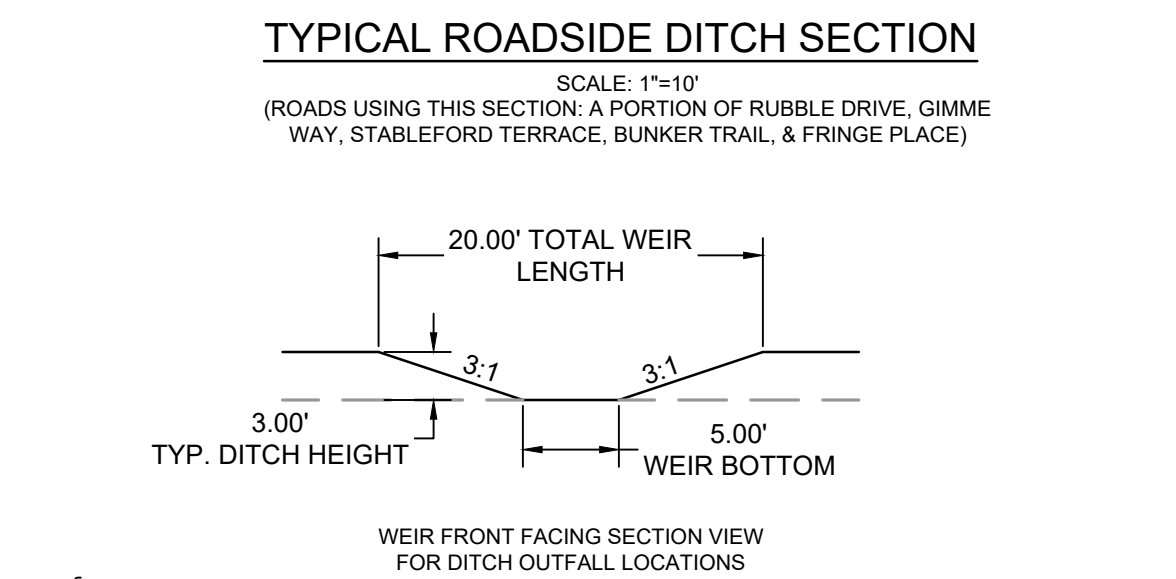
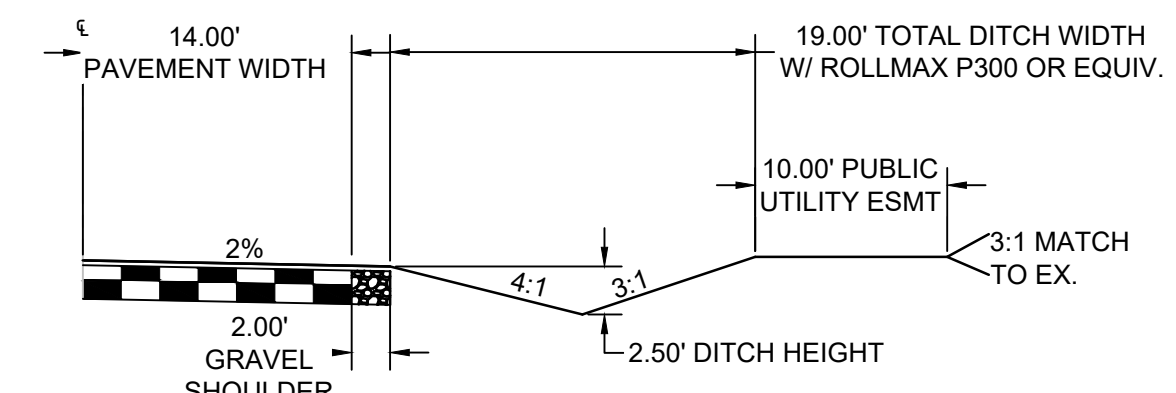
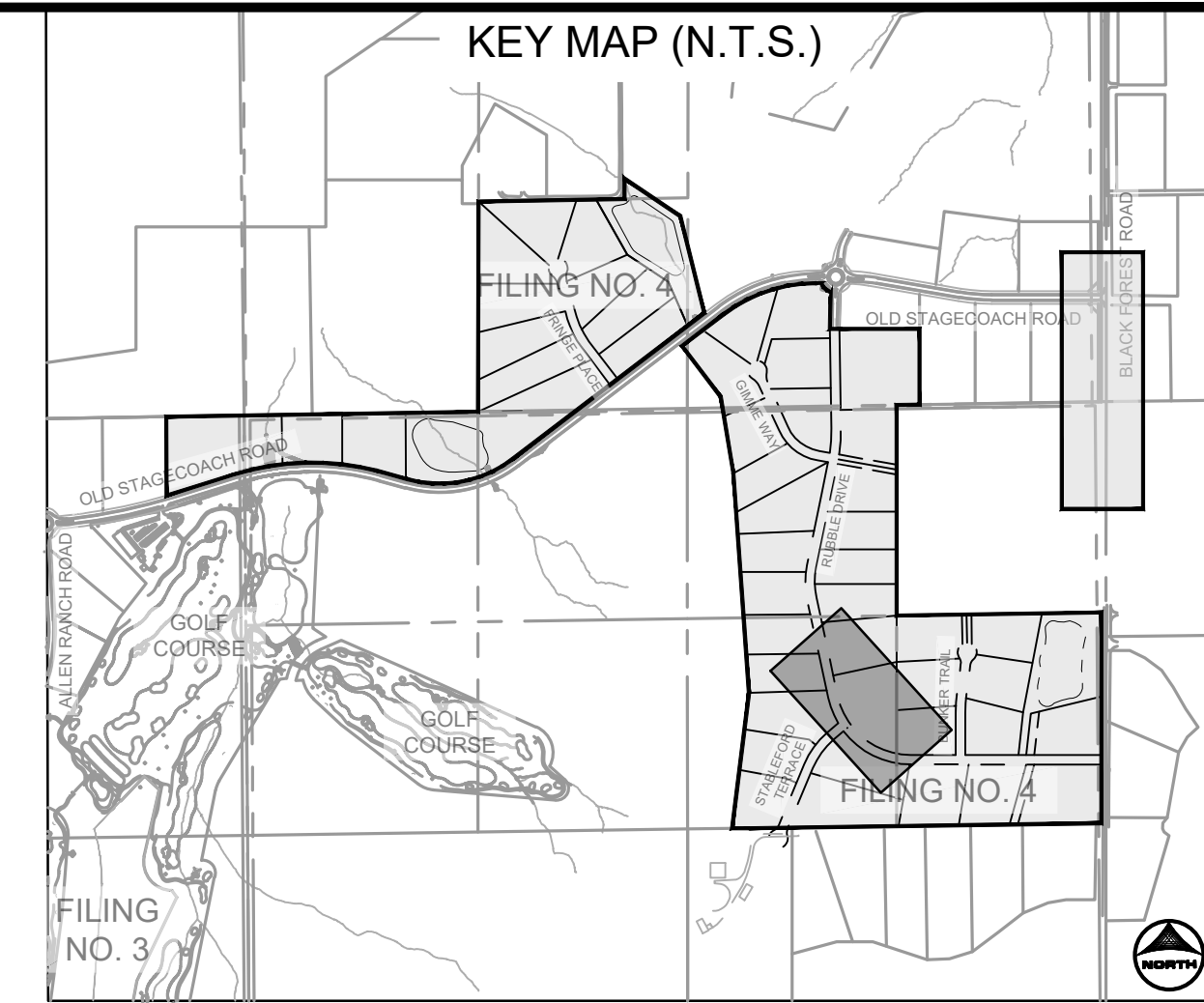
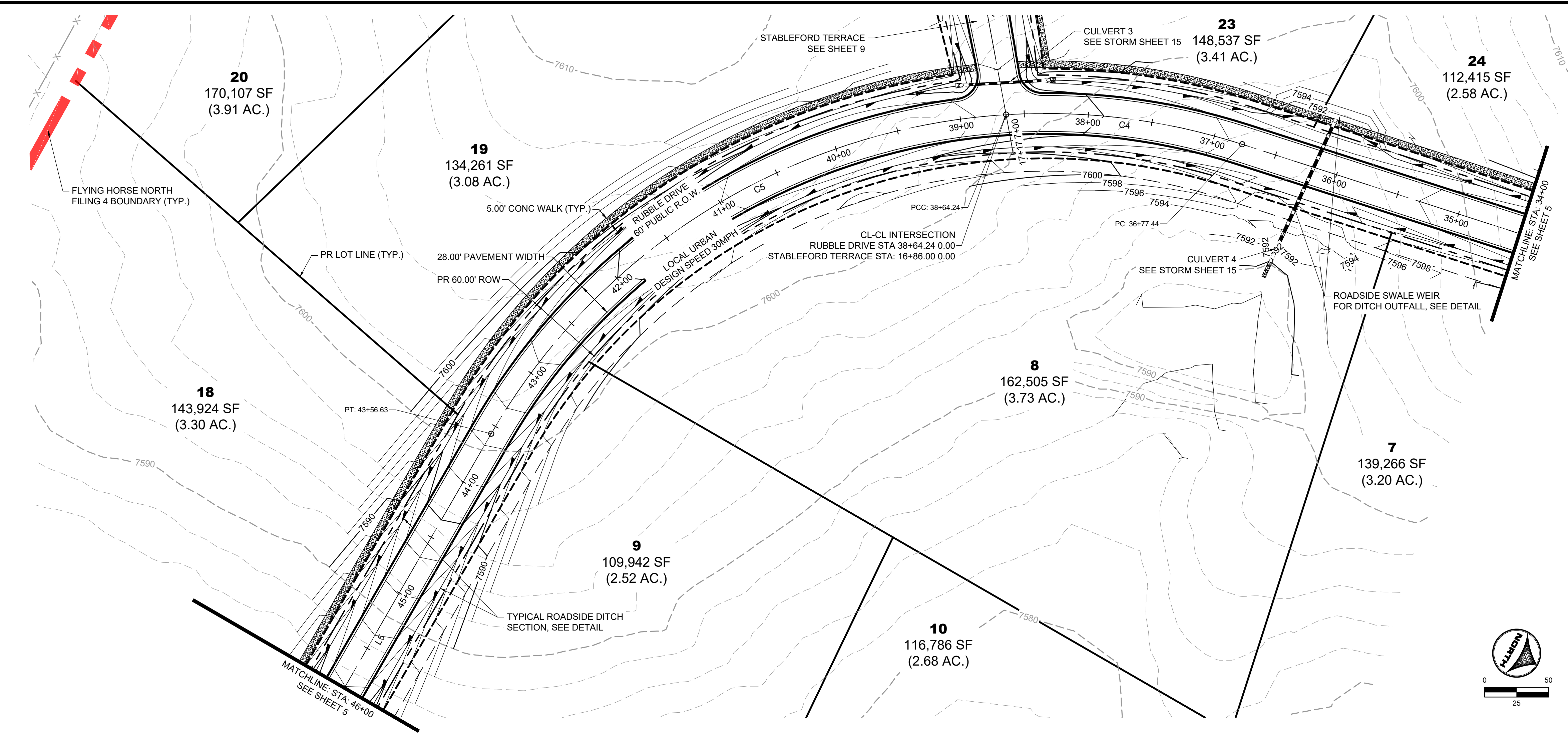
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 COLORADO SPRINGS, CO 80920
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 FAX: 713.965.0044

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PRI #2, LLC.
 EL PASO COUNTY, CO

STREET PLAN & PROFILES
RUBBLE DRIVE

SHEET
ST 5



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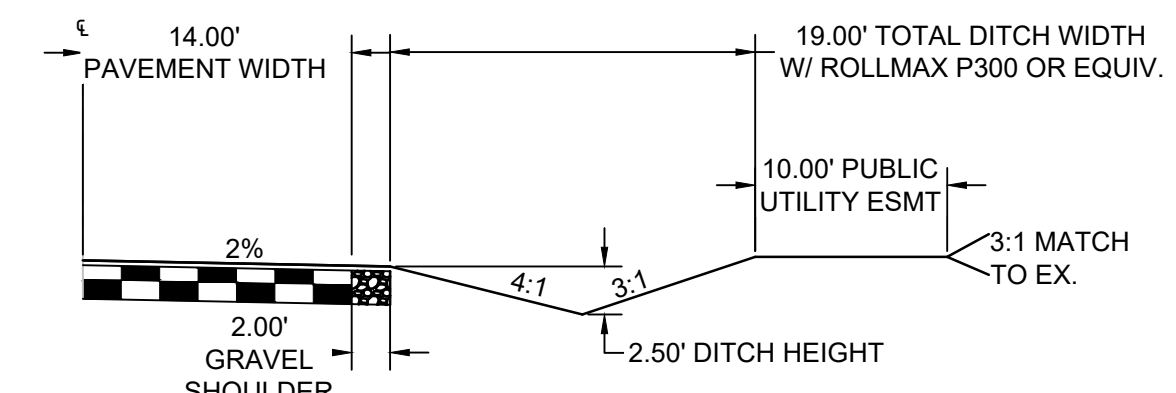
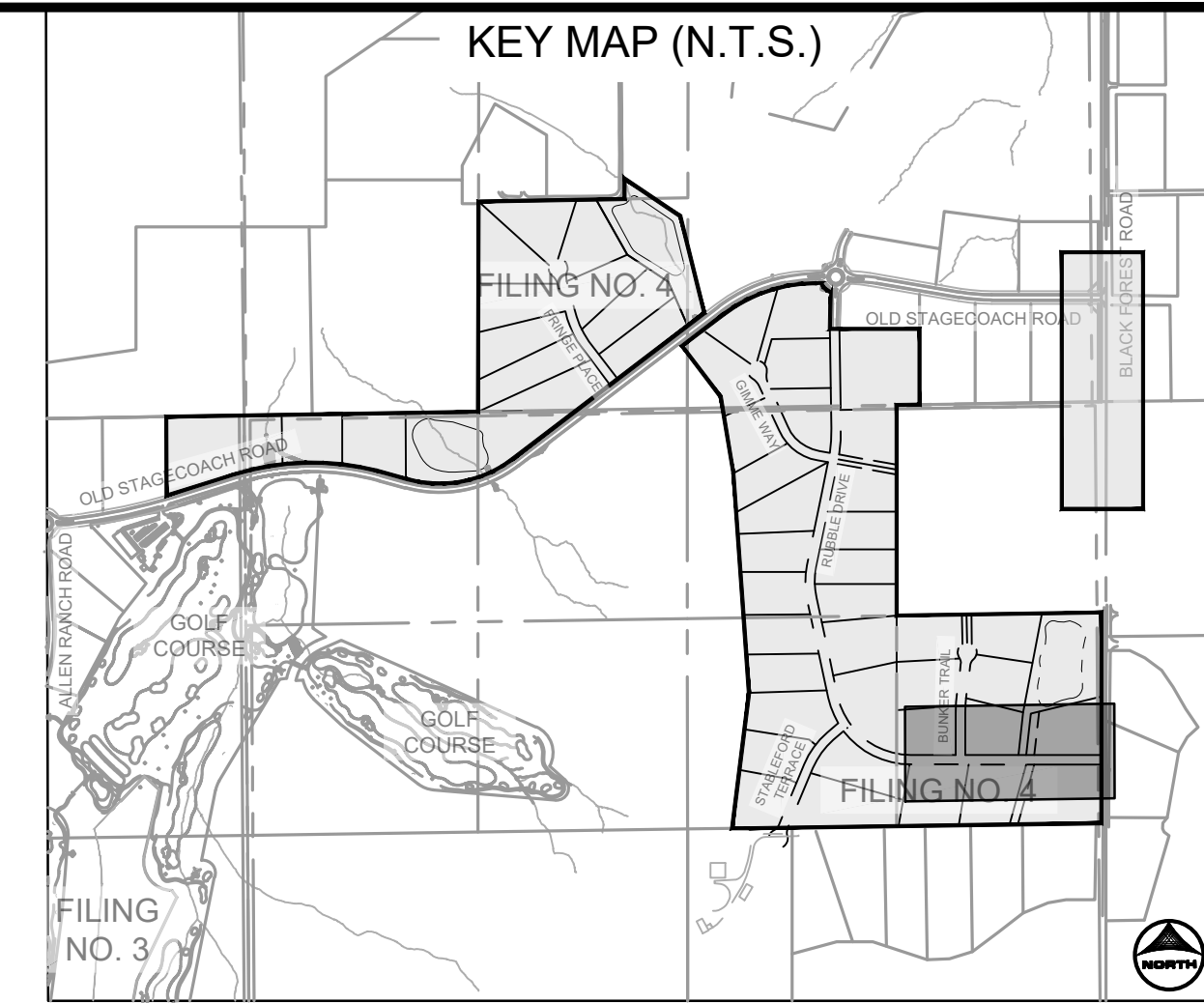
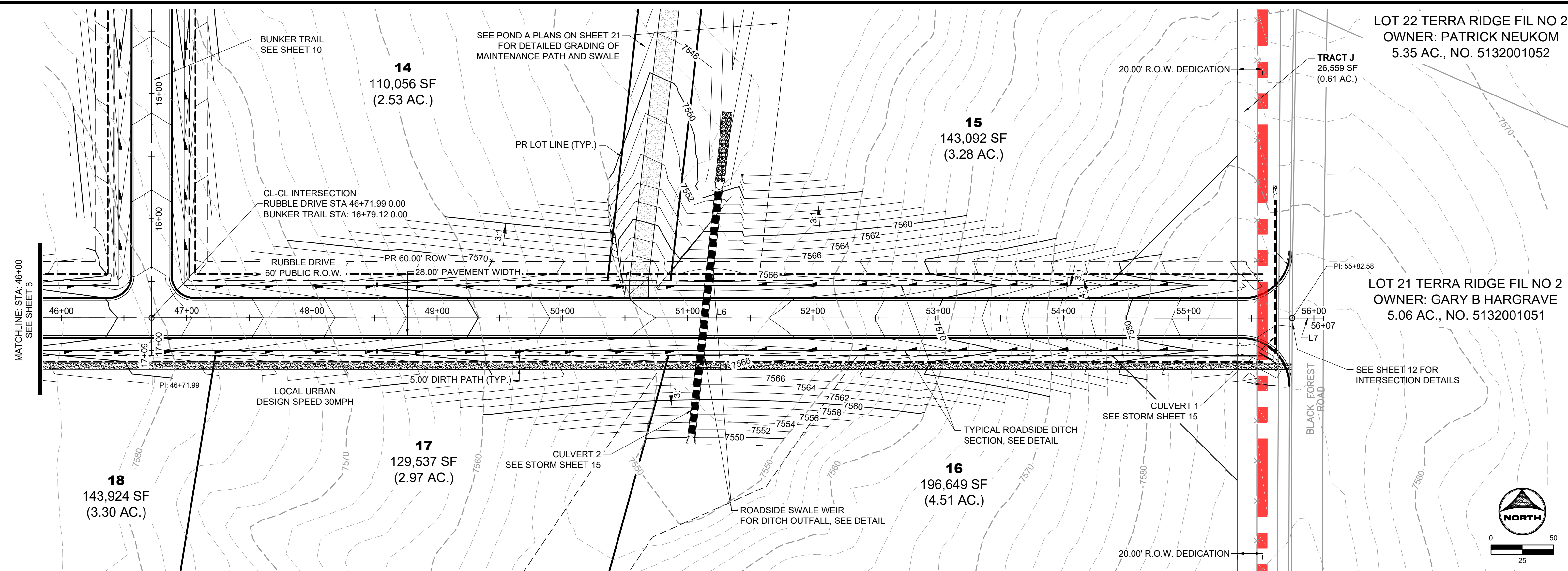
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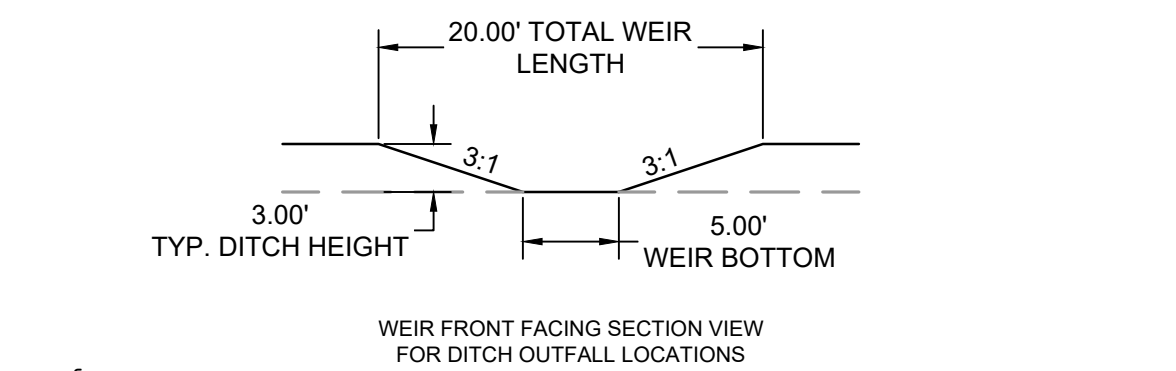
STREET PLAN & PROFILES
RUBBLE DRIVE

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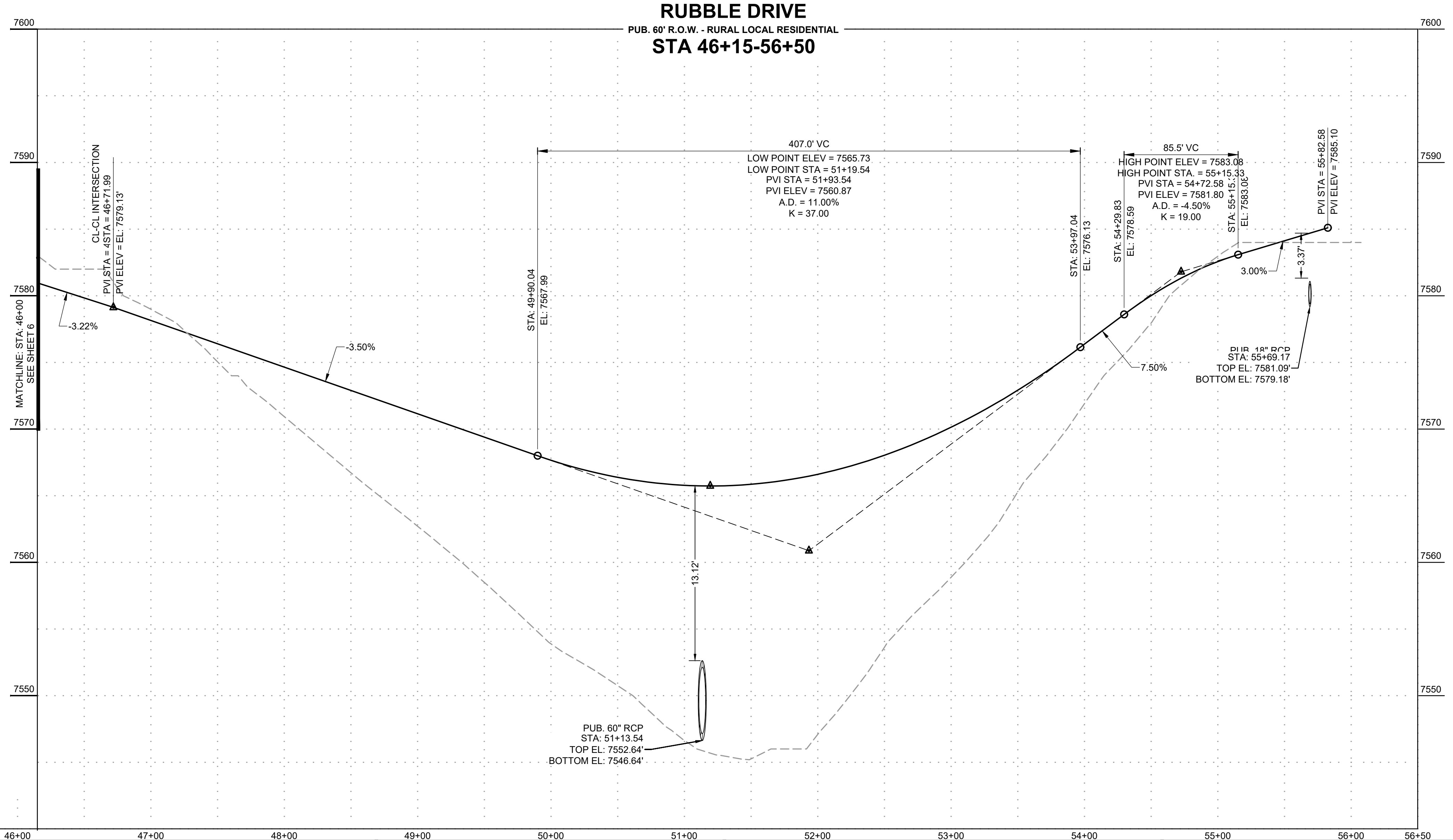
LYON, RICHIE, 11/1/2024, 10:24 AM



TYPICAL ROADSIDE DITCH SECTION
SCALE: 1"=10'
(ROADS USING THIS SECTION: A PORTION OF RUBBLE DRIVE, GIMME WAY, STABLEFORD TERRACE, BUNKER TRAIL, & FRINGE PLACE)

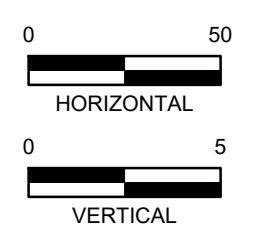


WEIR PROFILE SECTION VIEW
SCALE: 1"=10'



PROFILE LEGEND

- EXISTING GROUND AT ROAD CENTERLINE
- PROPOSED GRADE AT ROAD CENTERLINE



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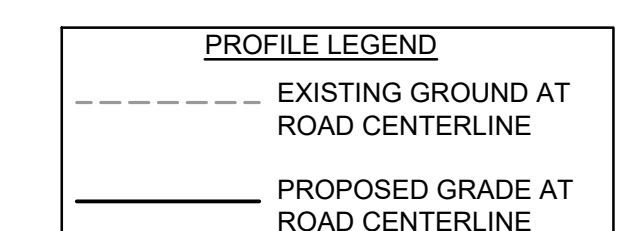
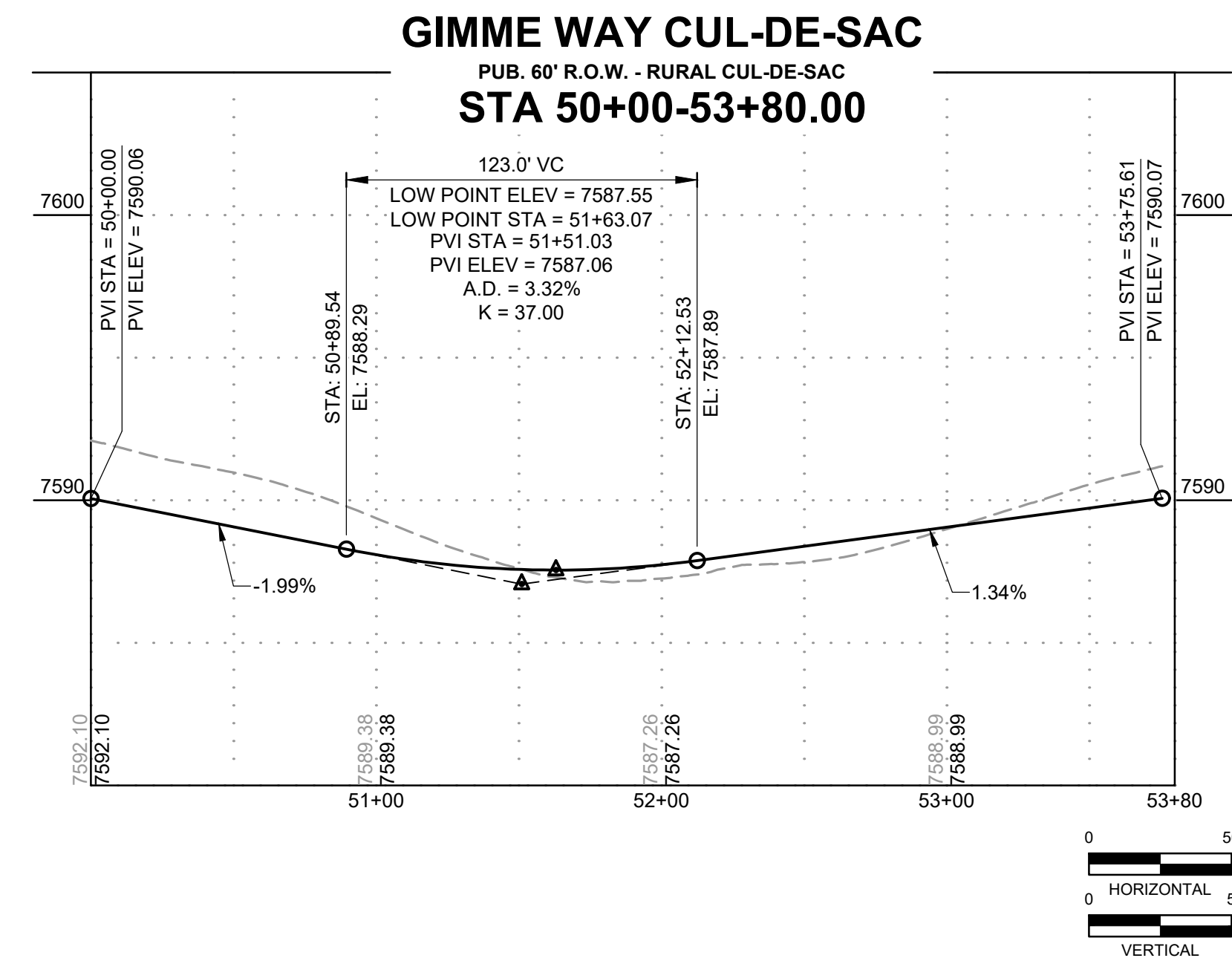
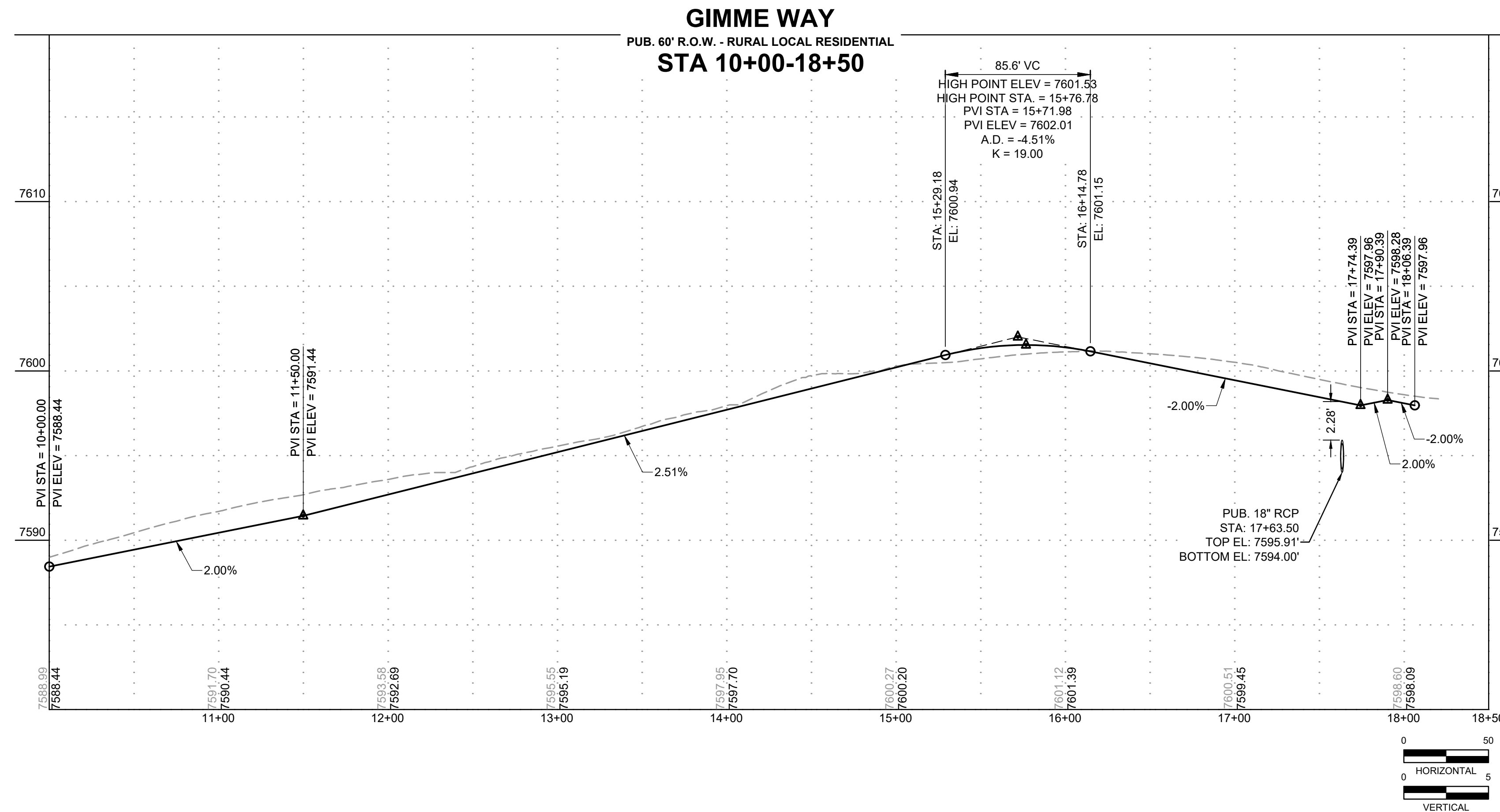
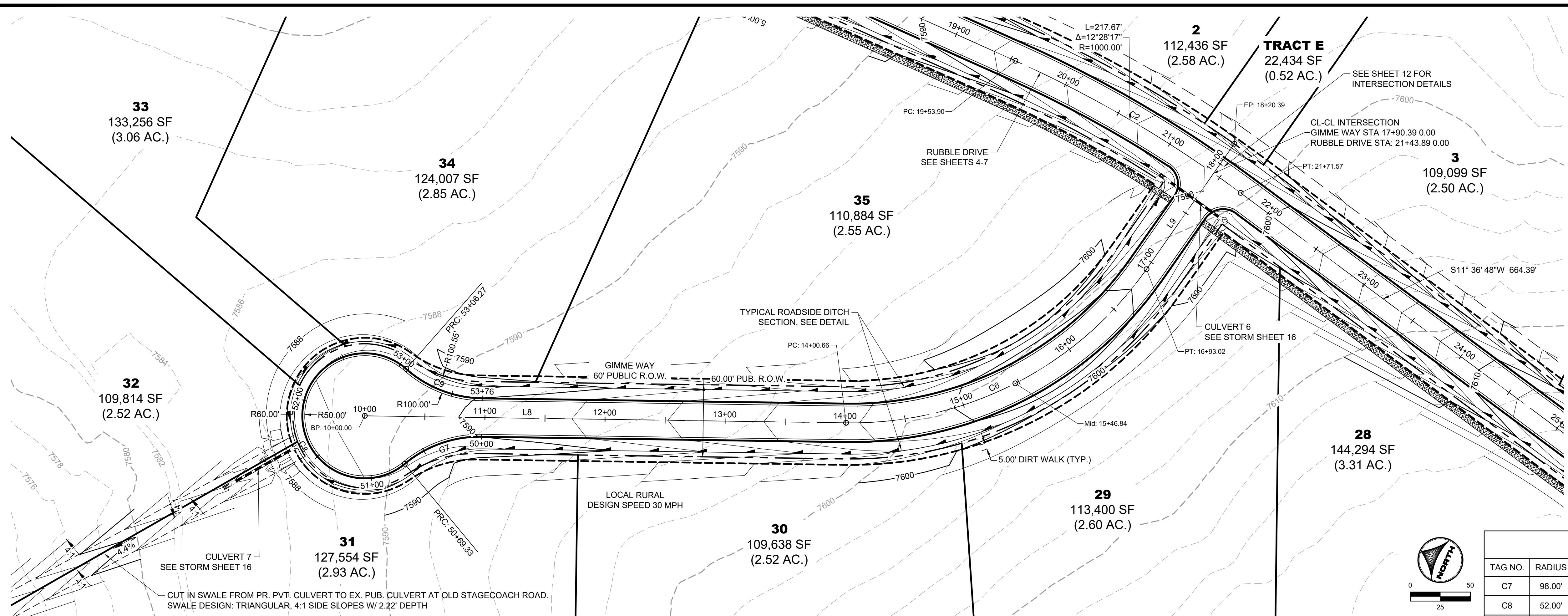
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 EL PASO COUNTY, CO

STREET PLAN & PROFILES
 RUBBLE DRIVE

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PCD FILE NO.: SF2422

HR GREEN Xref: xv-cow-1030; xv-dgn-1030; key_map_modified_ditch_sections; xc-cow-030.240; xc-dgn-240; xgf-rd01-030.240; rwy_tpscalls



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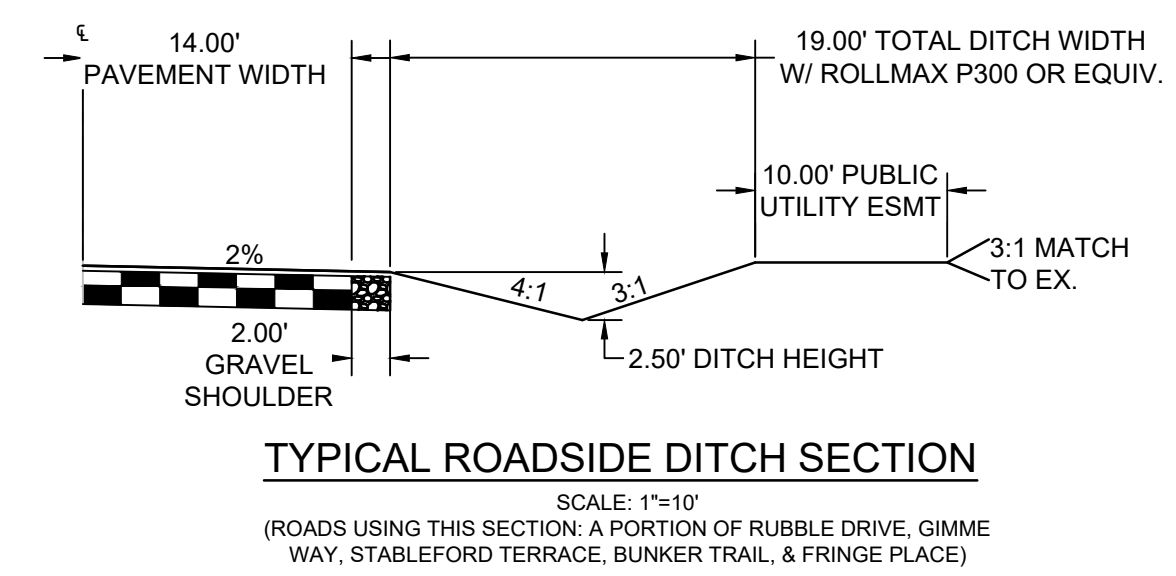
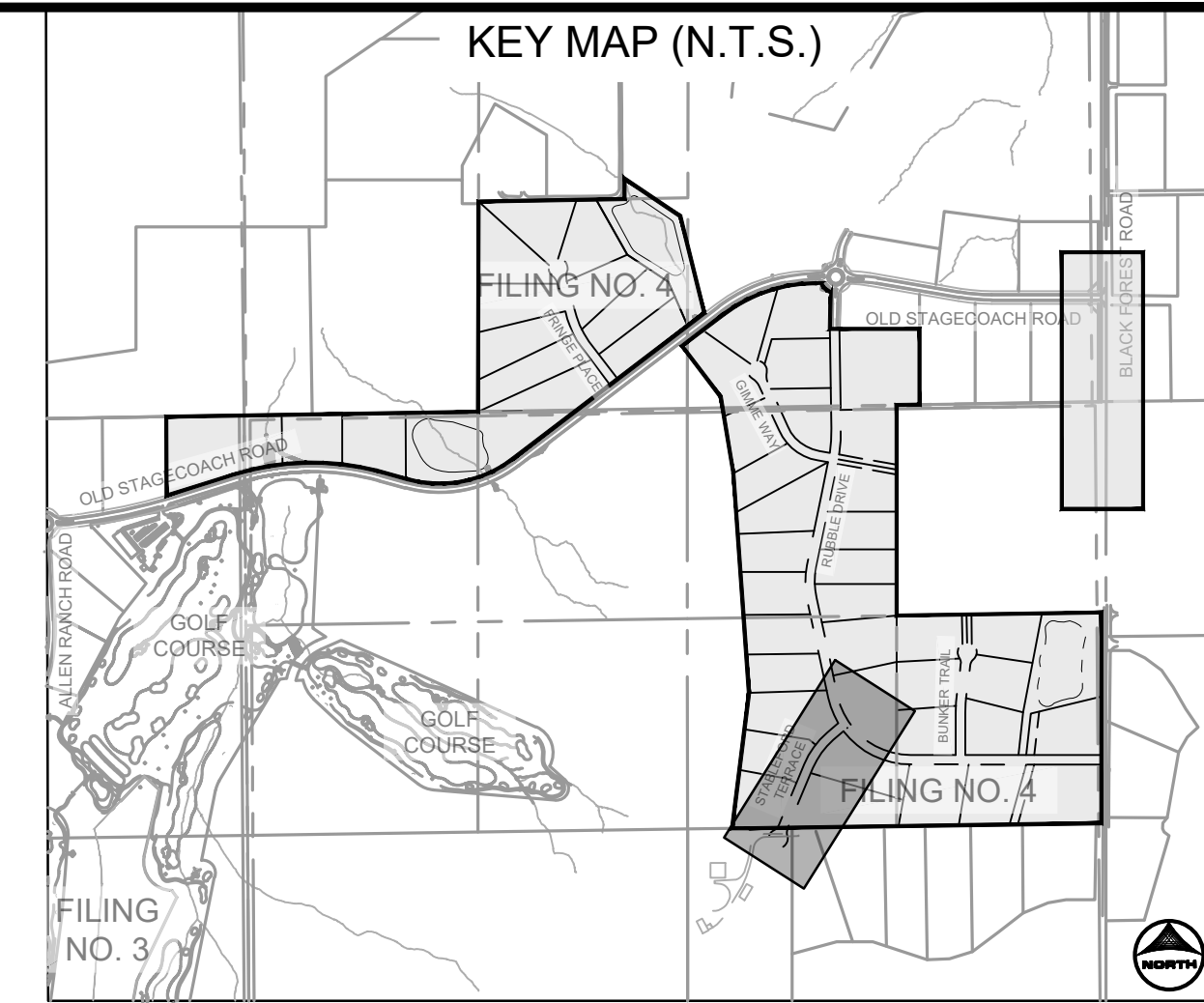
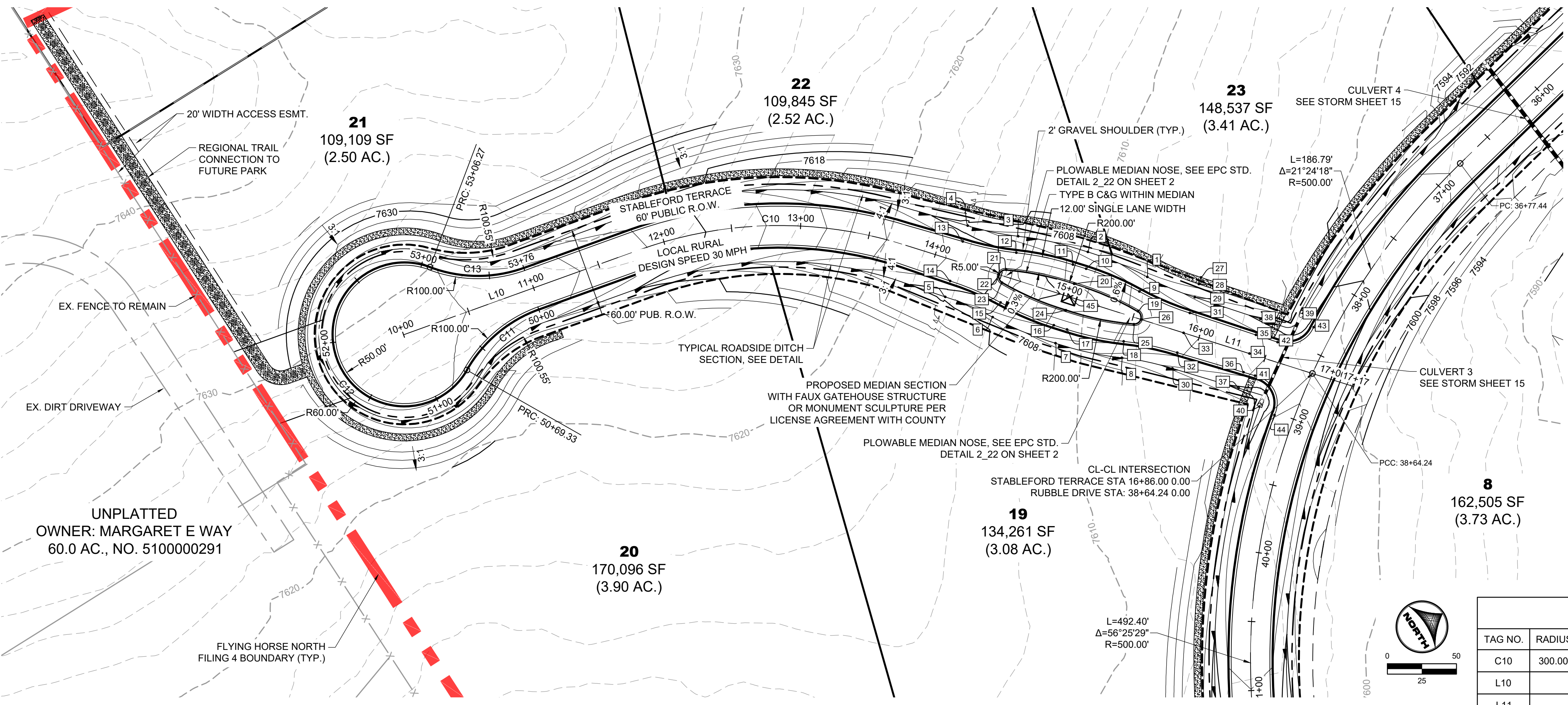
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**FLYING HORSE NORTH FILING 4
 PRI #2, LLC.
 EL PASO COUNTY, CO**

**STREET PLAN & PROFILES
 GIMME WAY**

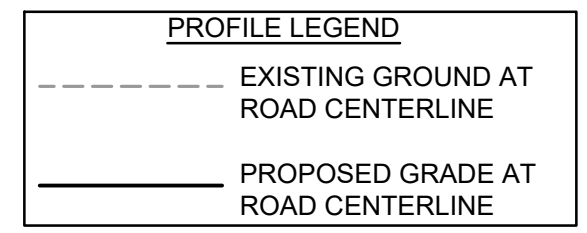
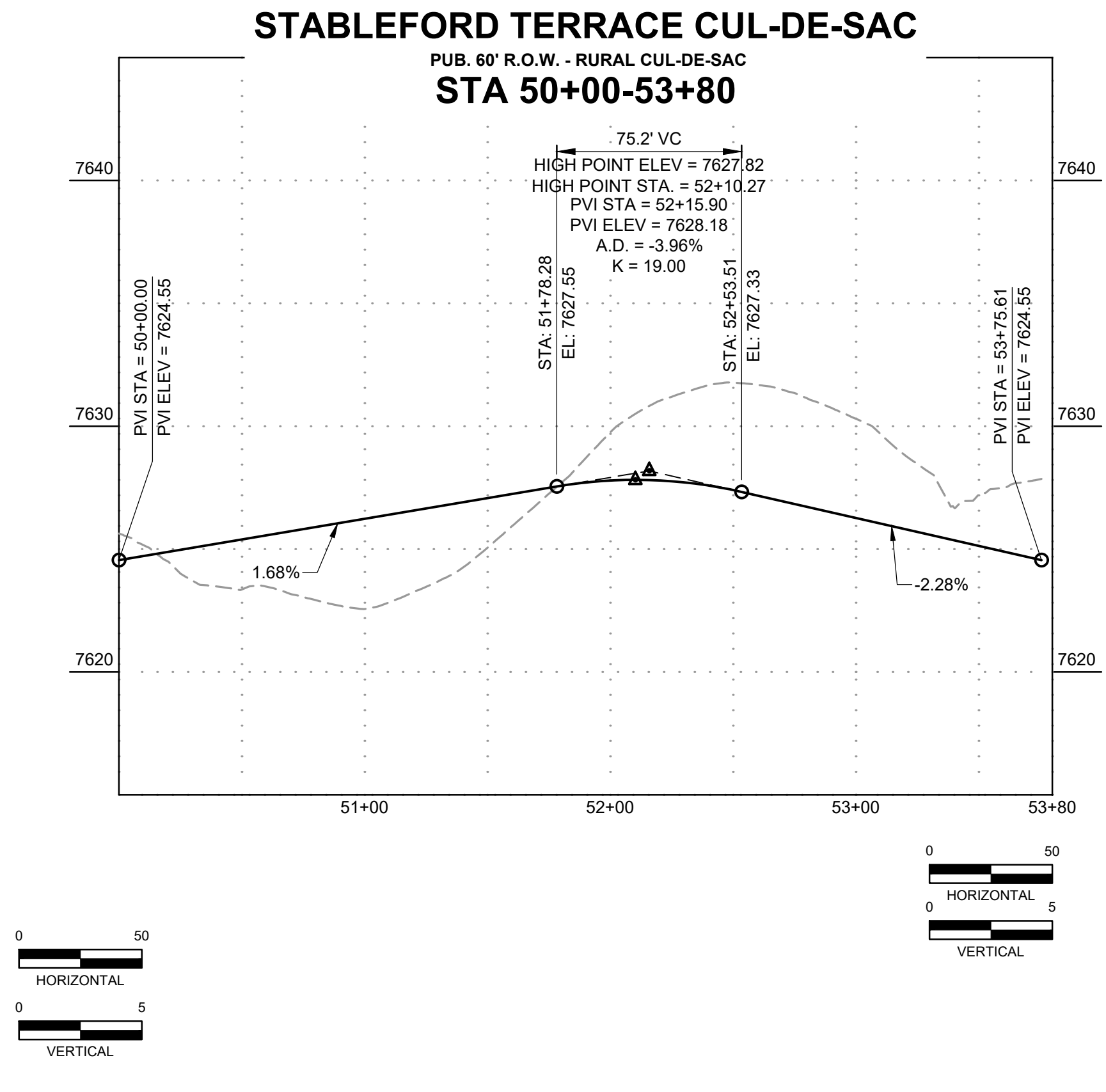
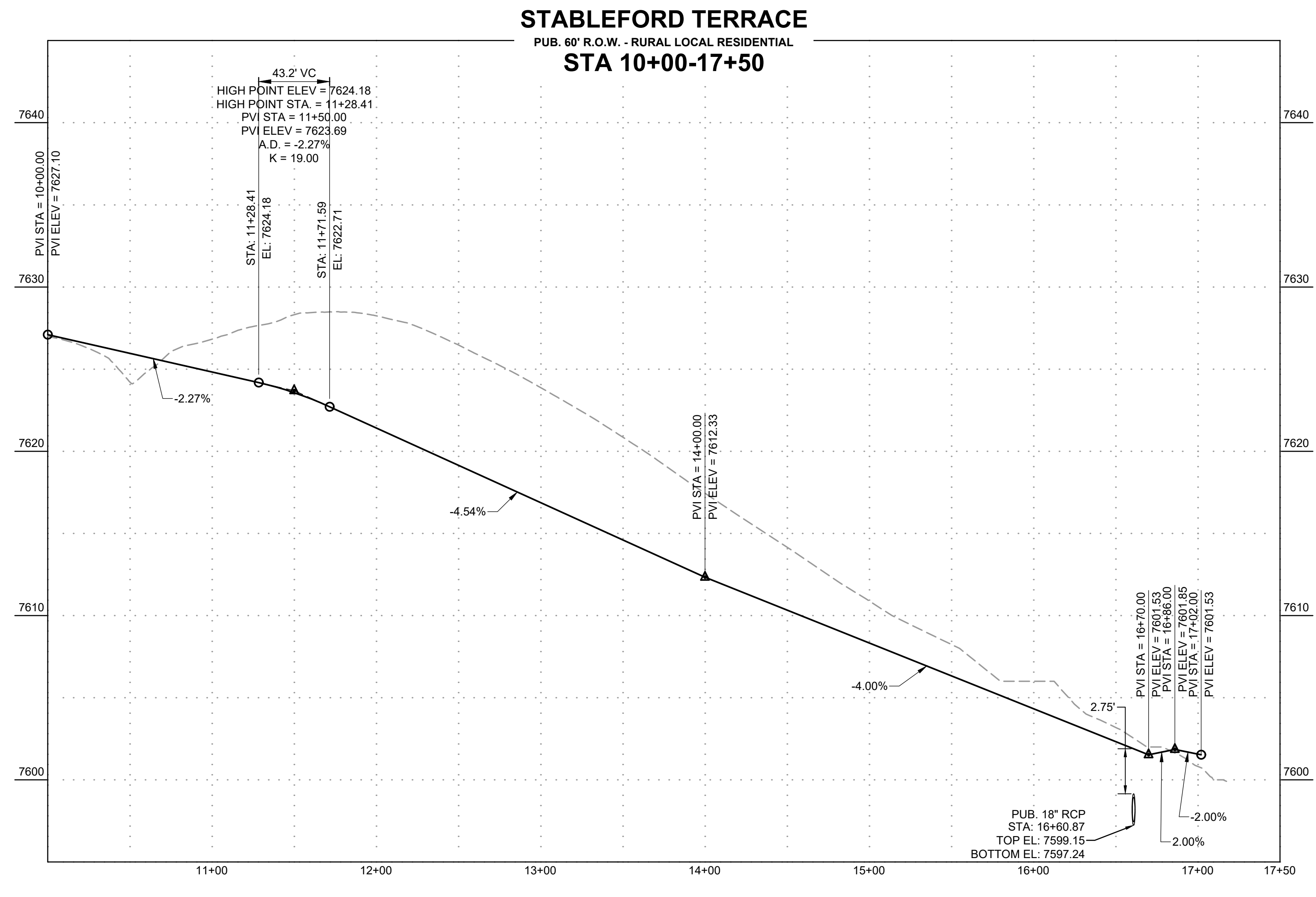
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 8**

POINT TABLE				
NO.	DESC.	STATION	OFFSET	ELEVATION
1	SWALE FL	STA. 15+51.05	30.66' L	7603.14
2	SWALE FL	STA. 15+04.58	35.00' L	7604.99
3	SWALE FL	STA. 14+53.10	30.66' L	7607.04
4	SWALE FL	STA. 14+15.97	27.00' L	7608.52
5	SWALE FL	STA. 14+15.97	27.00' R	7608.52
6	SWALE FL	STA. 14+53.10	30.66' R	7607.04
7	SWALE FL	STA. 15+02.08	35.00' R	7605.09
8	SWALE FL	STA. 15+51.05	30.66' R	7603.14
9	EOP	STA. 15+48.71	18.89' L	7605.75
10	EOP	STA. 15+07.09	23.00' L	7607.41
11	EOP	STA. 14+97.07	23.00' L	7607.80
12	EOP	STA. 14+55.45	18.89' L	7609.47
13	EOP	STA. 14+15.97	15.00' L	7611.37
14	EOP	STA. 14+15.97	15.00' R	7611.37
15	EOP	STA. 14+55.45	18.89' R	7609.47
16	EOP	STA. 14+97.07	23.00' R	7607.80
17	EOP	STA. 15+07.09	23.00' R	7607.41
18	EOP	STA. 15+48.71	18.89' R	7605.75
19	FL	STA. 15+52.07	4.87' L	7605.70
20	FL	STA. 15+02.07	10.00' L	7607.72
21	FL	STA. 14+52.07	4.87' L	7609.74
22	FL	STA. 14+48.19	0.00'	7610.08
23	FL	STA. 14+52.07	4.87' R	7609.74
24	FL	STA. 15+02.07	10.00' R	7607.72
25	FL	STA. 15+52.07	4.87' R	7605.70
26	FL	STA. 15+55.94	0.00'	7605.77
27	SW	STA. 15+88.29	42.00' L	7604.71
28	SW	STA. 15+88.18	36.94' L	7604.67
29	SWALE FL	STA. 15+88.18	27.00' L	7601.66
30	SWALE FL	STA. 15+88.28	27.00' R	7601.65
31	EOP	STA. 15+88.18	15.00' L	7604.19
32	EOP	STA. 15+88.18	15.00' R	7604.19
33	CL TRANSITION	STA. 15+88.18	0.00'	7604.48
34	CL TRANSITION	STA. 16+38.18	0.00'	7602.48
35	EOP TRANSITION	STA. 16+38.62	14.26' L	7602.18
36	EOP TRANSITION	STA. 16+38.18	14.18' R	7602.20
37	SWALE FL	STA. 16+38.18	26.00' R	7599.71
38	SWALE FL	STA. 16+38.18	26.27' L	7599.67
39	SWALE FL	STA. 16+65.64	37.84' L	7597.33
40	SWALE FL	STA. 16+56.53	34.43' R	7598.55
41	PCR	STA. 16+46.89	14.00' R	7601.85
42	PCR	STA. 16+55.09	14.00' L	7601.53
43	PCR	STA. 16+76.73	32.04' L	7600.68
44	PCR	STA. 16+68.86	37.01' R	7601.96
45	HP	STA. 15+02.08	0.00'	7609.51



STABLEFORD TERRACE ALIGNMENT TABLE					
TAG NO.	RADIUS	LENGTH	LINE/CHORD DIRECTION	BEG. NORTHING/EASTING	END NORTHING/EASTING
C10	300.00'	195.30'	N30° 50' 21.26"E	N:444710.30, E:226425.92	N:444875.04, E:226524.28
L10		180.80'	N12° 11' 22.46"E	N:444533.58, E:226387.75	N:444710.30, E:226425.92
L11		309.90'	N49° 29' 20.06"E	N:444875.04, E:226524.28	N:445076.35, E:226759.90

STABLEFORD TERRACE ALIGNMENT TABLE					
TAG NO.	RADIUS	LENGTH	LINE/CHORD DIRECTION	BEG. NORTHING/EASTING	END NORTHING/EASTING
C11	98.00'	69.33'	S8° 04' 41.99"E	N:444626.21, E:226424.13	N:444558.98, E:226433.67
C12	52.00'	236.94'	N77° 48' 37.54"W	N:444558.98, E:226433.67	N:444575.67, E:226356.41
C13	98.00'	69.33'	N32° 27' 26.90"E	N:444575.67, E:226356.41	N:444632.96, E:226392.85



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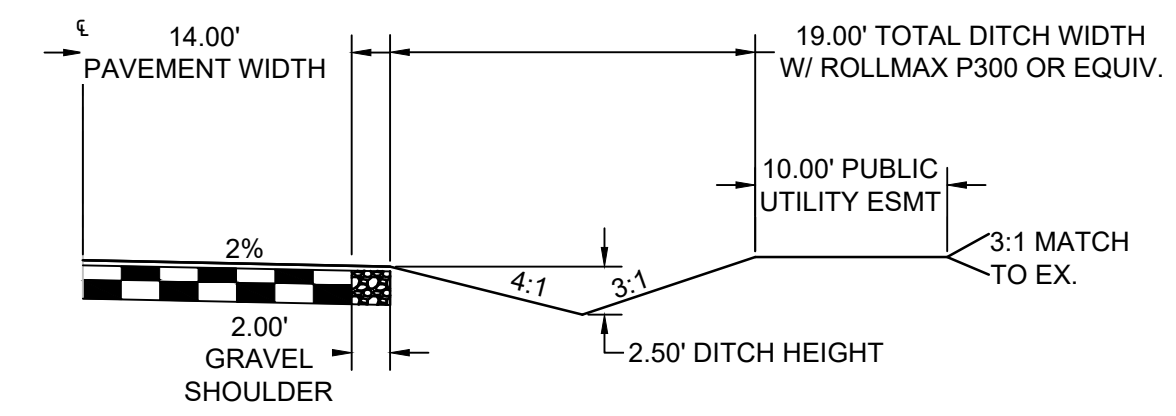
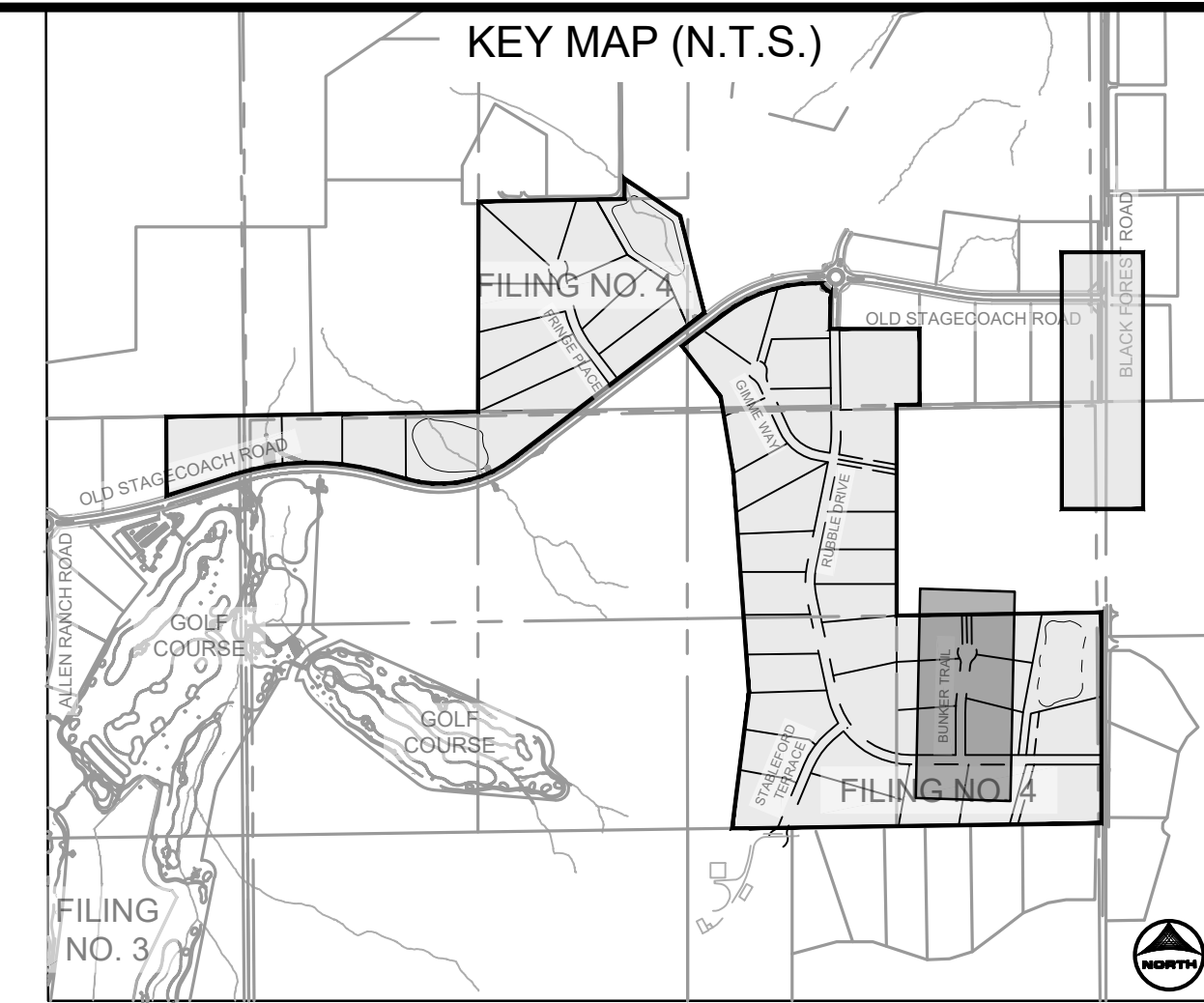
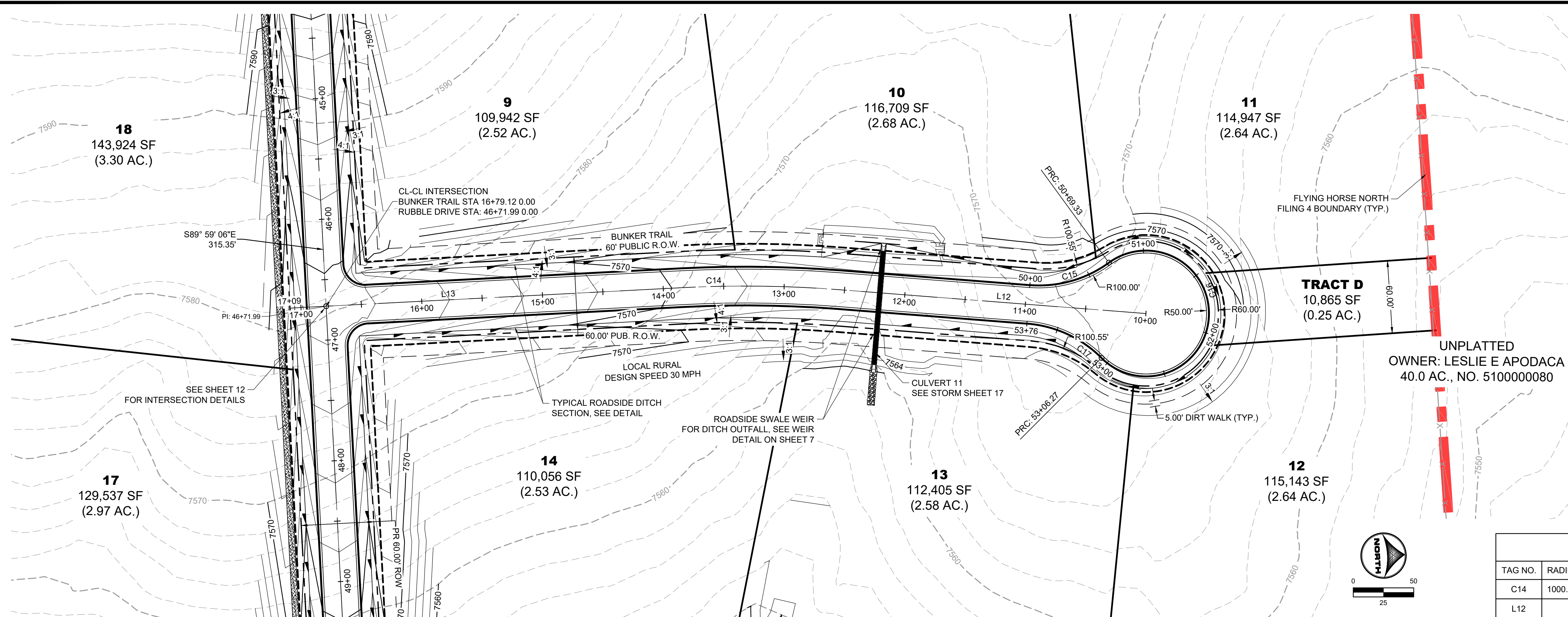
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 EL PASO COUNTY, CO

STREET PLAN & PROFILES
 STABLEFORD TERRACE

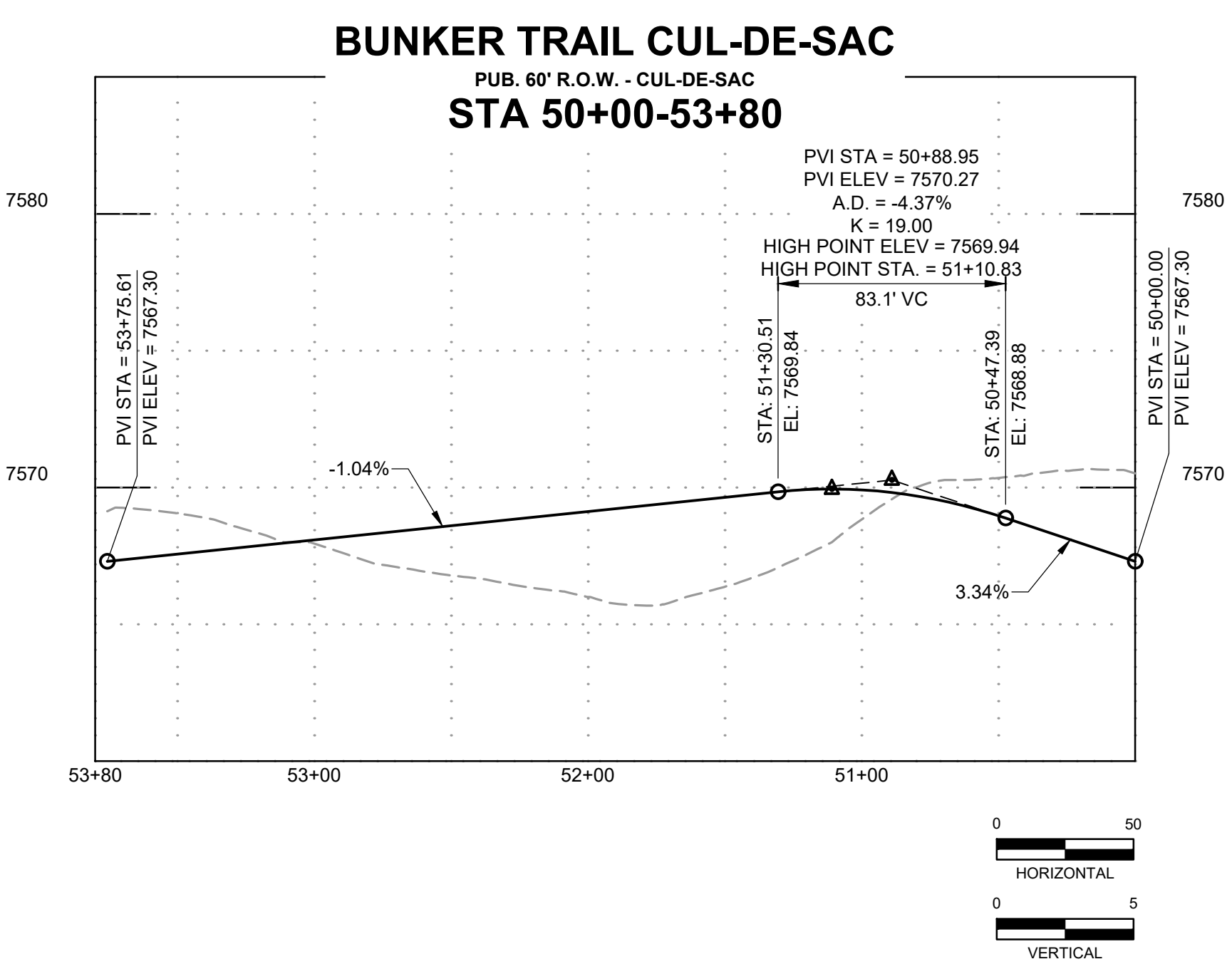
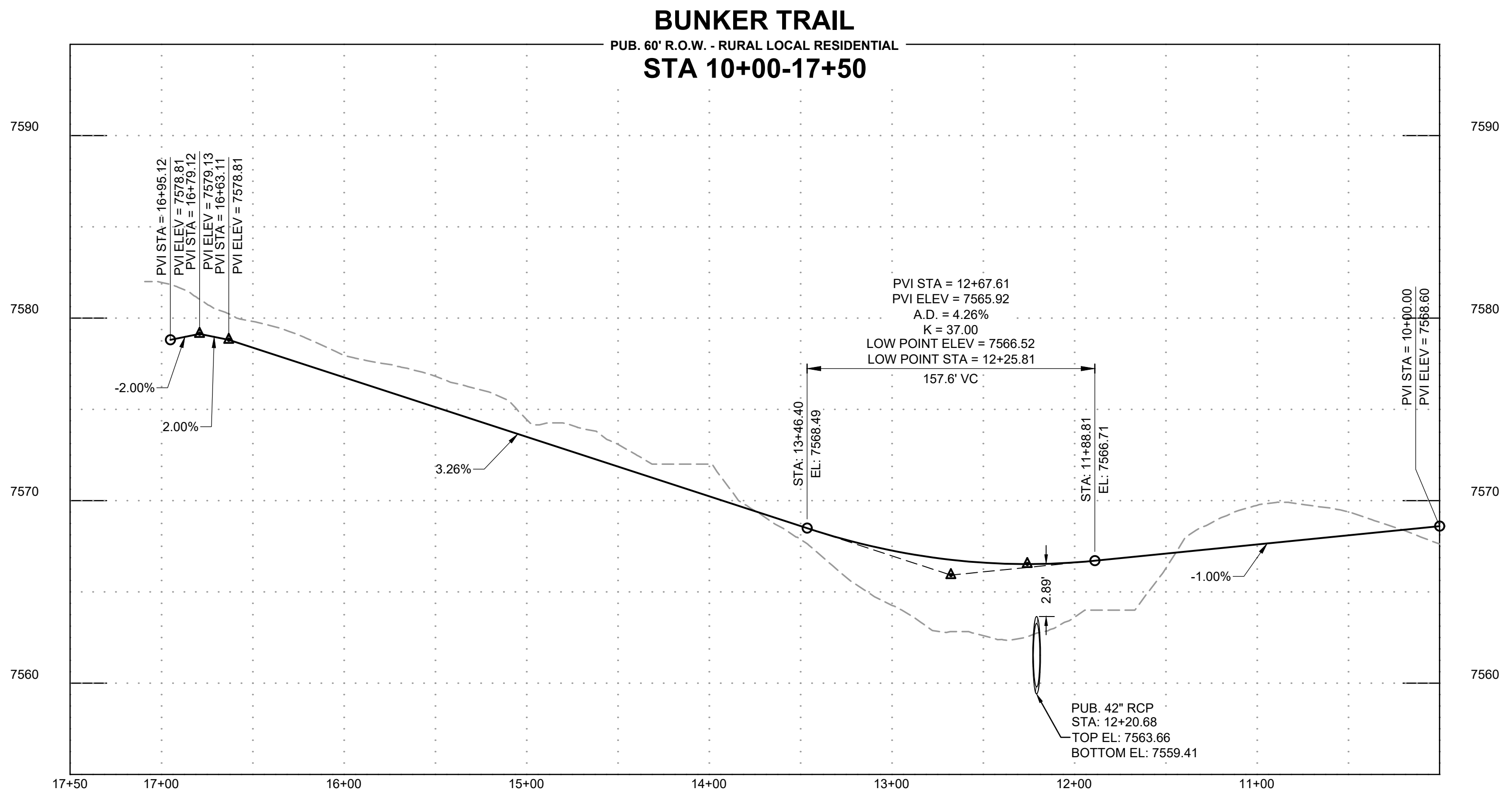
SHEET
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 9



TAG NO.	RADIUS	LENGTH	LINE/CHORD DIRECTION	BEG. NORTHING/EASTING	END NORTHING/EASTING
C14	1000.00'	129.63'	S3° 43' 43.56"W	N:445276.75, E:227500.27	N:445147.48, E:227491.85
L12		254.68'	S7° 26' 32.99"W	N:445529.28, E:227533.26	N:445276.75, E:227500.27
L13		294.81'	S0° 00' 54.12"W	N:445147.48, E:227491.85	N:444852.68, E:227491.77

TAG NO.	RADIUS	LENGTH	LINE/CHORD DIRECTION	BEG. NORTHING/EASTING	END NORTHING/EASTING
C15	98.00'	69.33'	N12° 49' 31.45"W	N:445434.69, E:227504.77	N:445500.89, E:227489.70
C16	52.00'	236.94'	S82° 33' 27.01"E	N:445500.89, E:227489.70	N:445490.65, E:227568.07
C17	98.00'	69.33'	S27° 42' 37.43"W	N:445490.65, E:227568.07	N:445430.54, E:227536.50

	EXISTING GROUND AT ROAD CENTERLINE
	PROPOSED GRADE AT ROAD CENTERLINE



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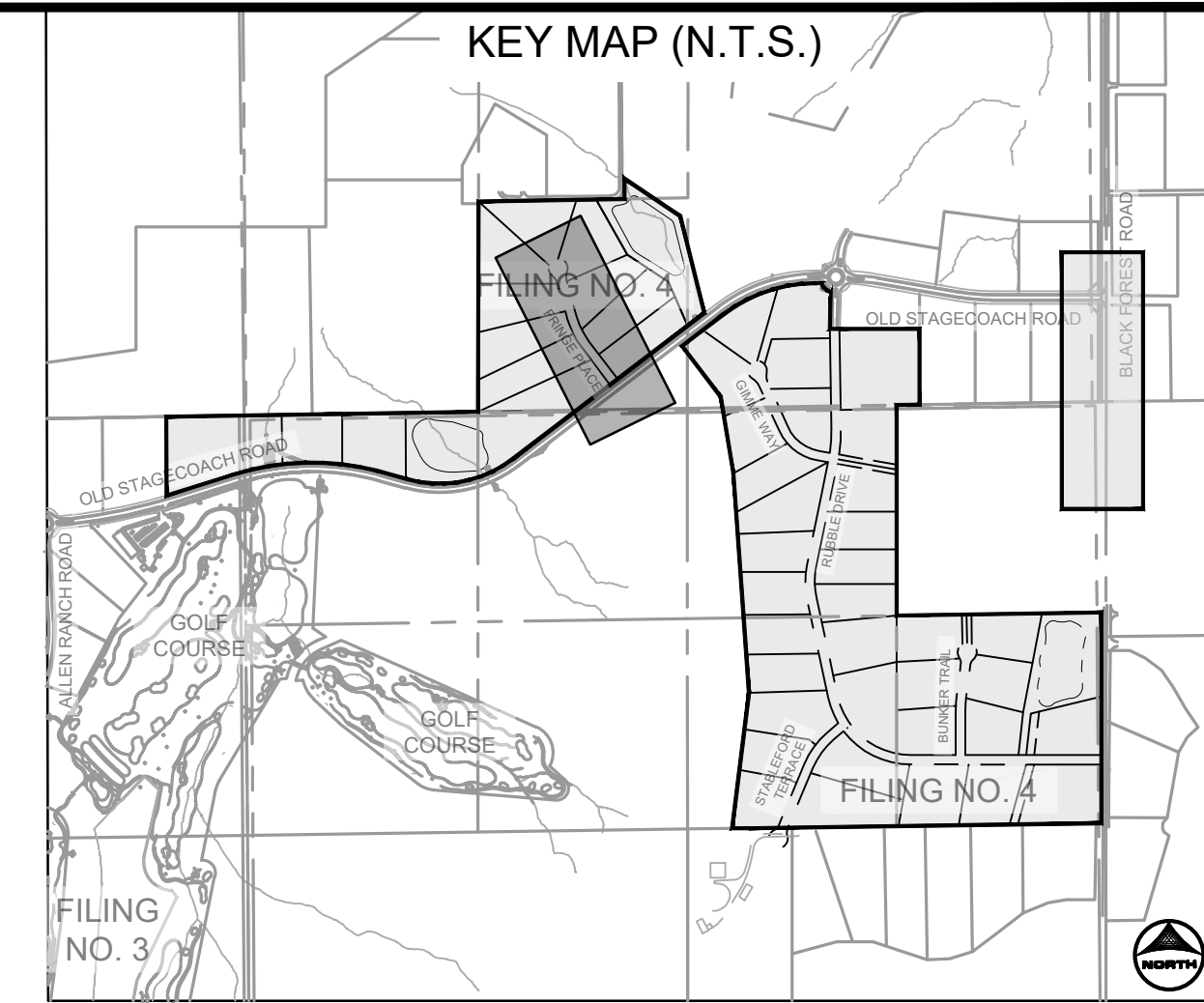
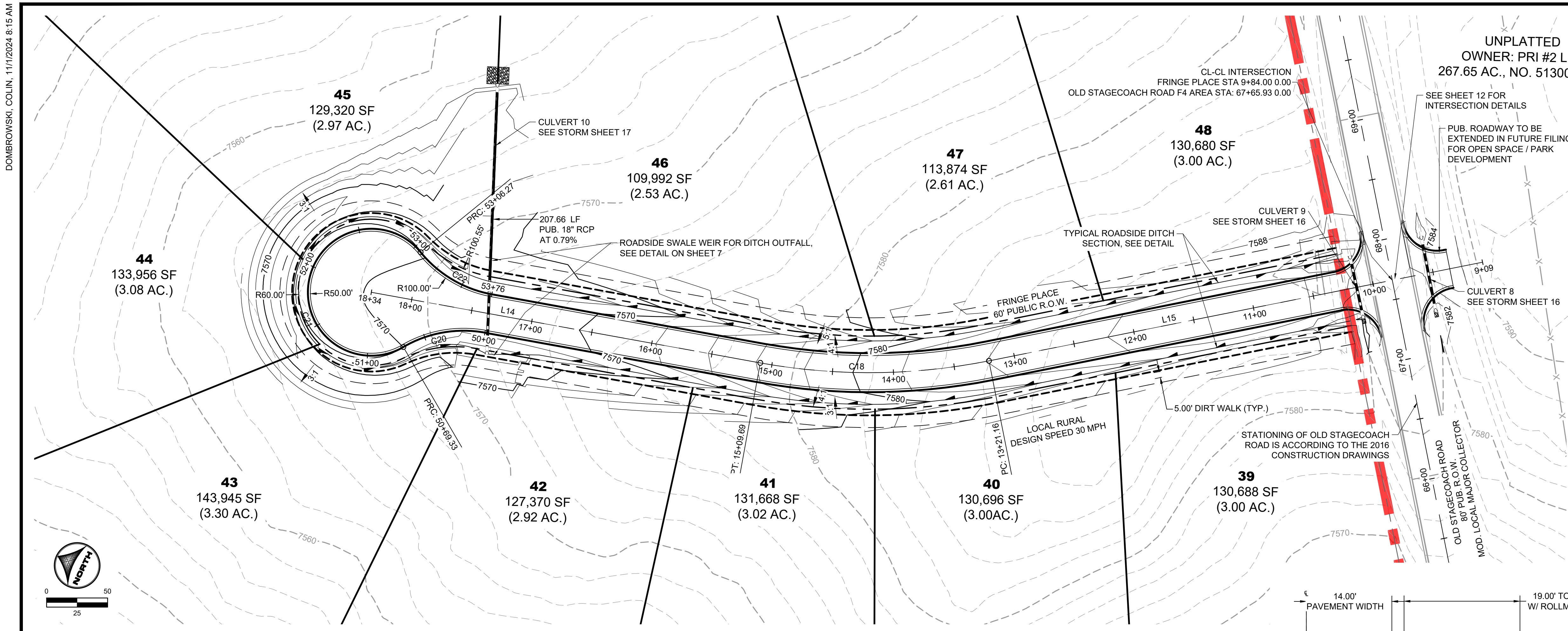
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EL PASO COUNTY, CO

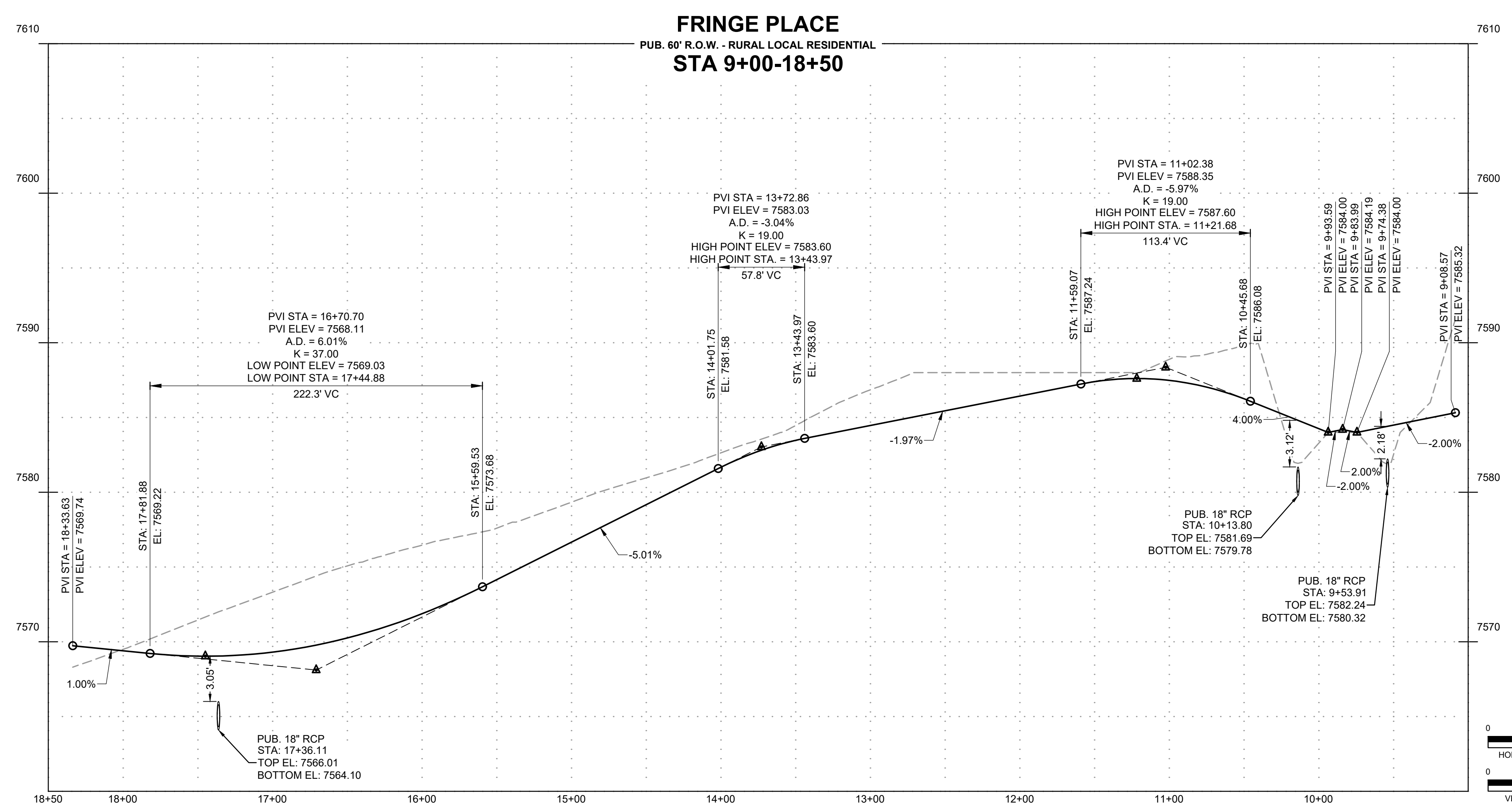
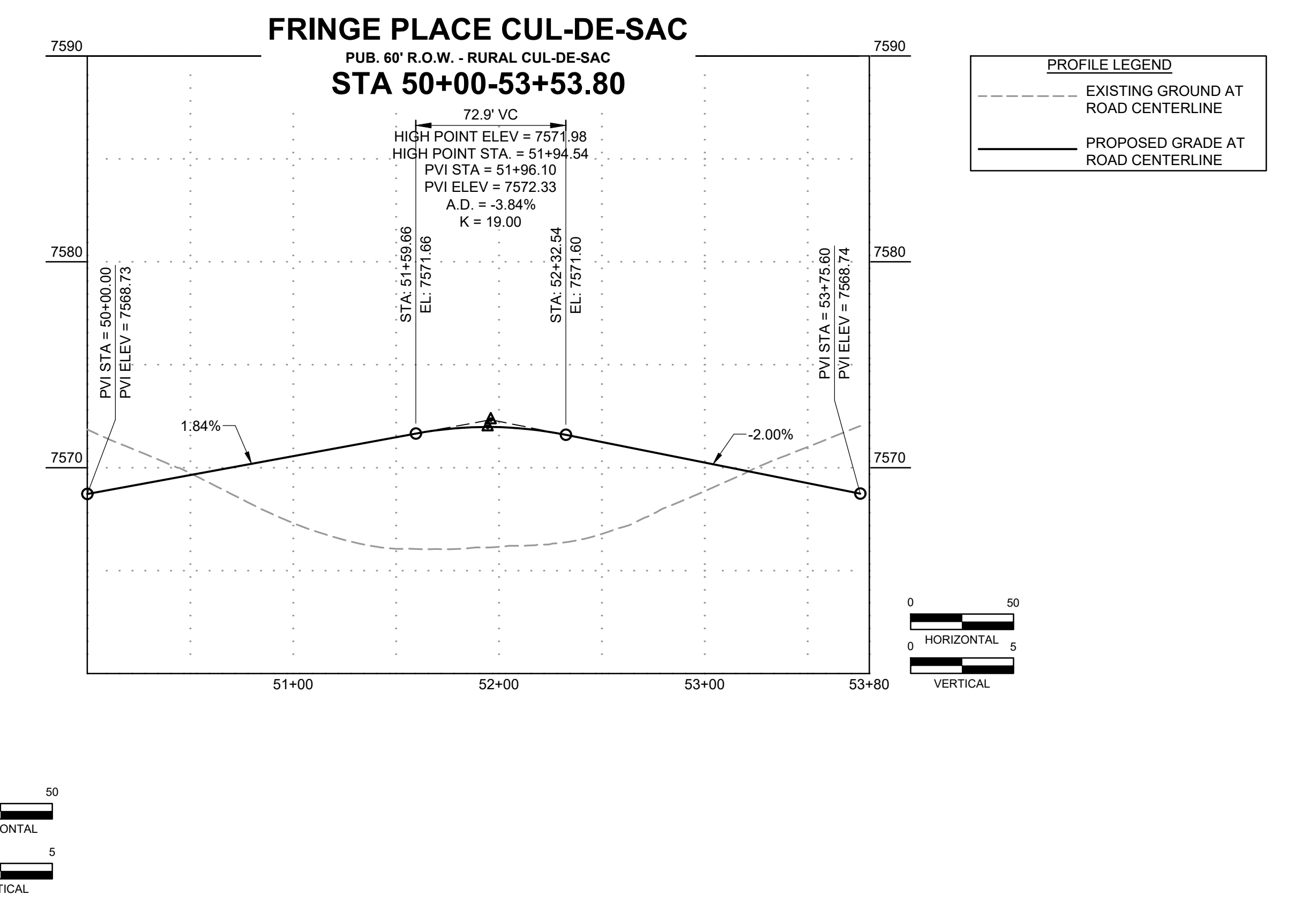
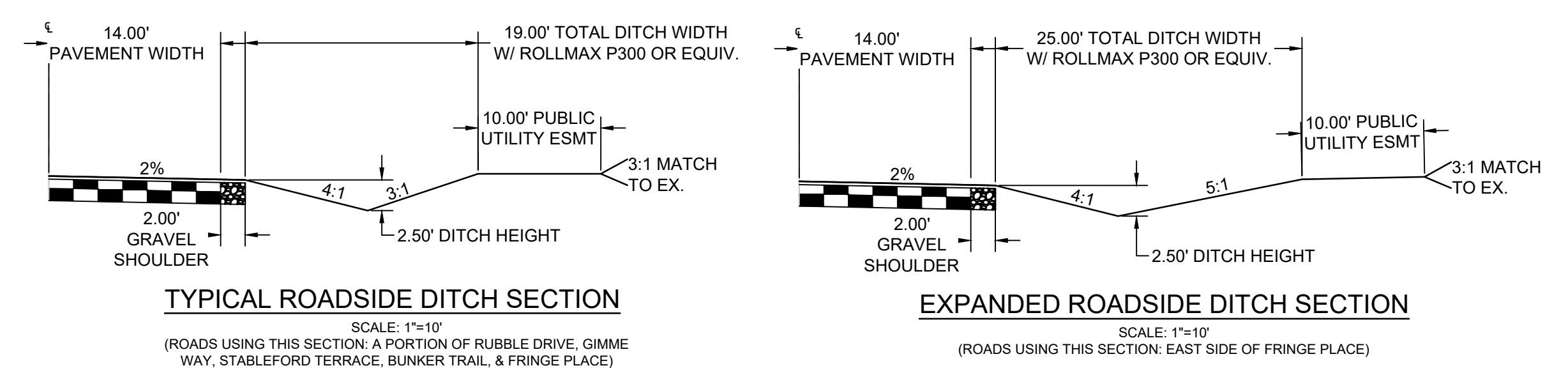
STREET PLAN & PROFILES
BUNKER TRAIL

SHEET
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FRINGE PLACE ALIGNMENT TABLE					
TAG NO.	RADIUS	LENGTH	LINE/CHORD DIRECTION	BEG. NORTHING/EASTING	END NORTHING/EASTING
C20	98.00'	69.33'	N35° 58' 25.56"W	N:447851.94, E:224966.44	N:447906.89, E:224926.56
C21	52.00'	236.94'	N74° 17' 38.88"E	N:447906.89, E:224926.56	N:447928.28, E:225002.65
C22	98.00'	69.33'	S4° 33' 43.32"W	N:447928.28, E:225002.65	N:447860.60, E:224997.25

FRINGE PLACE ALIGNMENT TABLE					
TAG NO.	RADIUS	LENGTH	LINE/CHORD DIRECTION	BEG. NORTHING/EASTING	END NORTHING/EASTING
C20	98.00'	69.33'	N35° 58' 25.56"W	N:447851.94, E:224966.44	N:447906.89, E:224926.56
C21	52.00'	236.94'	N74° 17' 38.88"E	N:447906.89, E:224926.56	N:447928.28, E:225002.65
C22	98.00'	69.33'	S4° 33' 43.32"W	N:447928.28, E:225002.65	N:447860.60, E:224997.25



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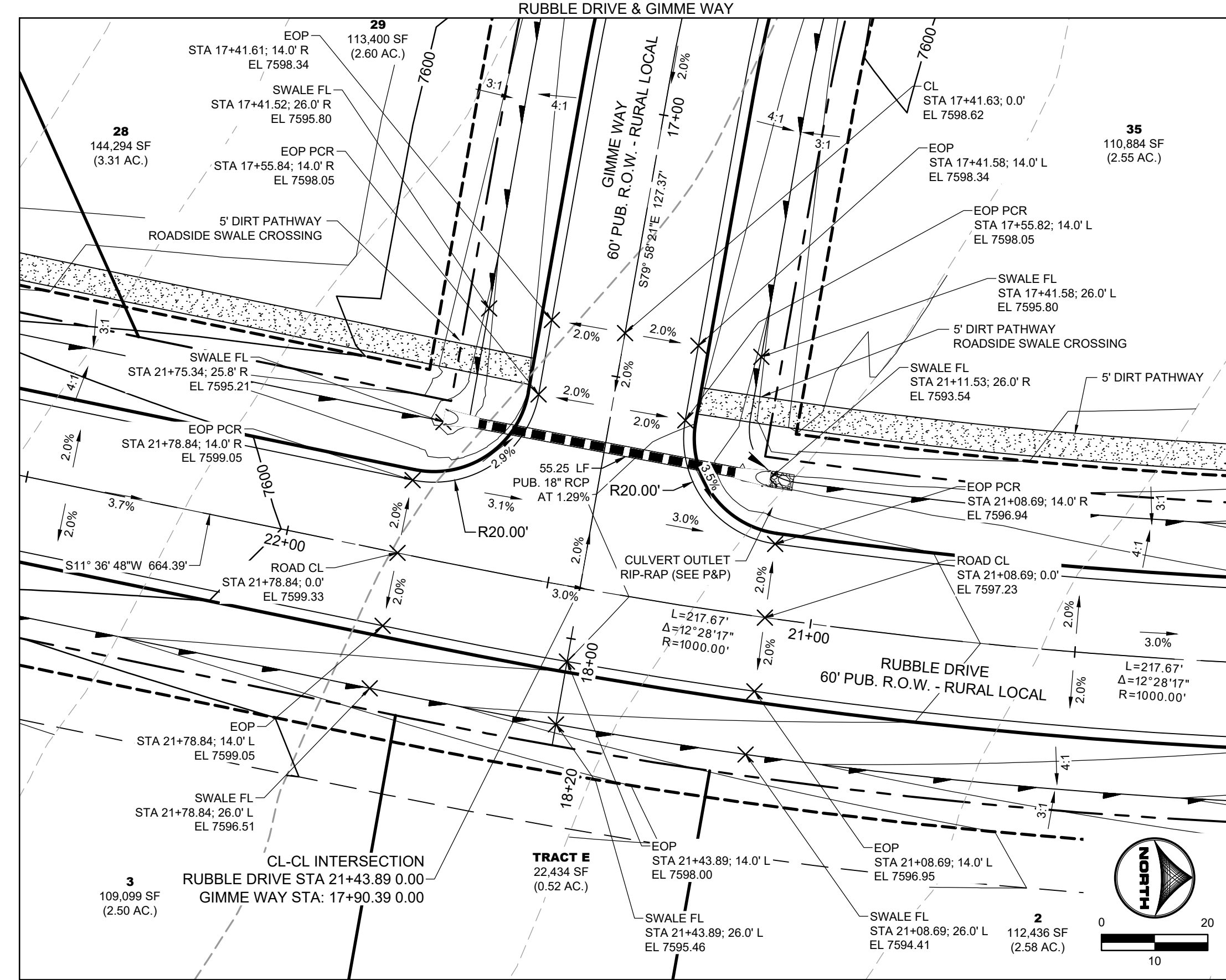
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EL PASO COUNTY, CO

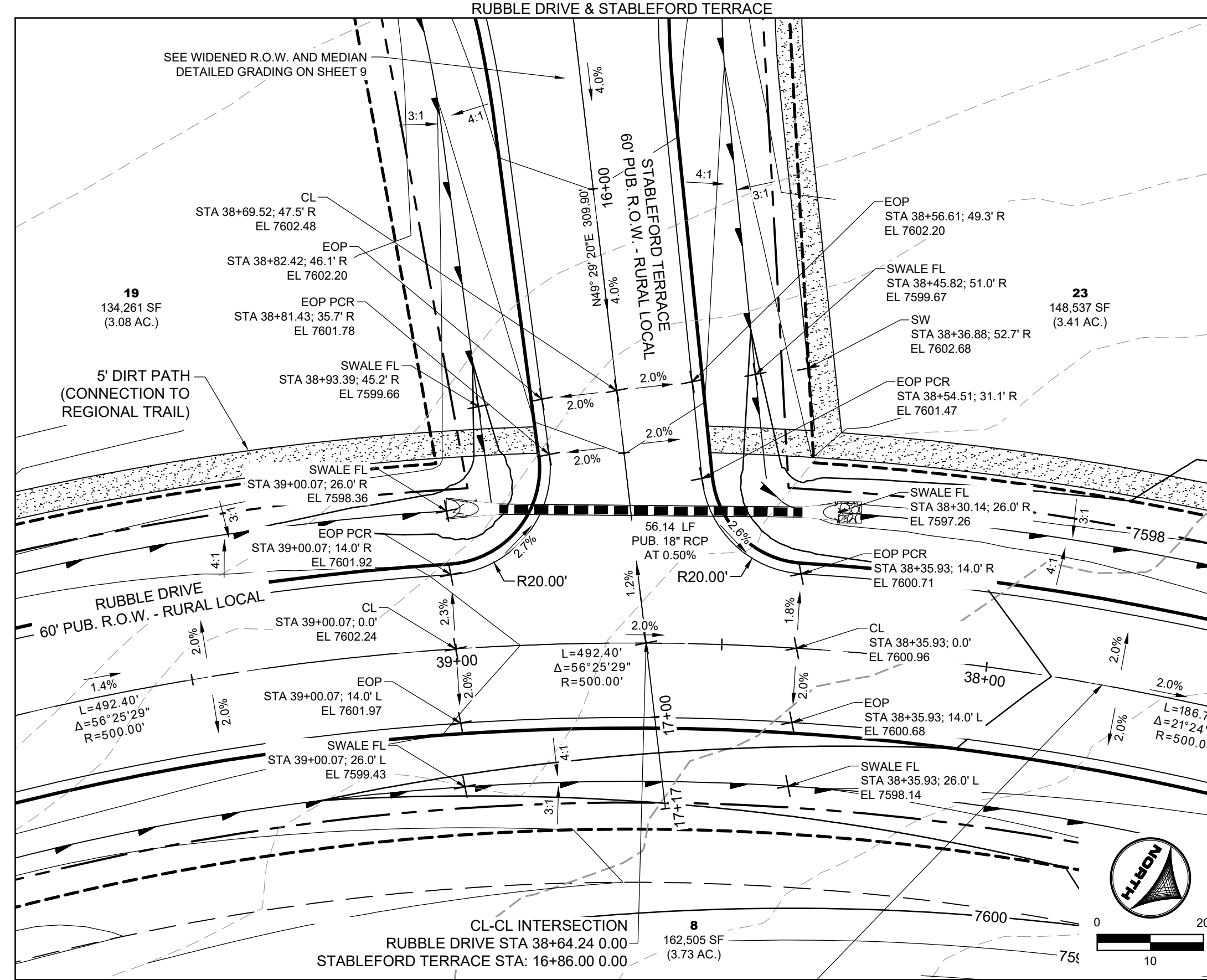
STREET PLAN & PROFILES
FRINGE PLACE

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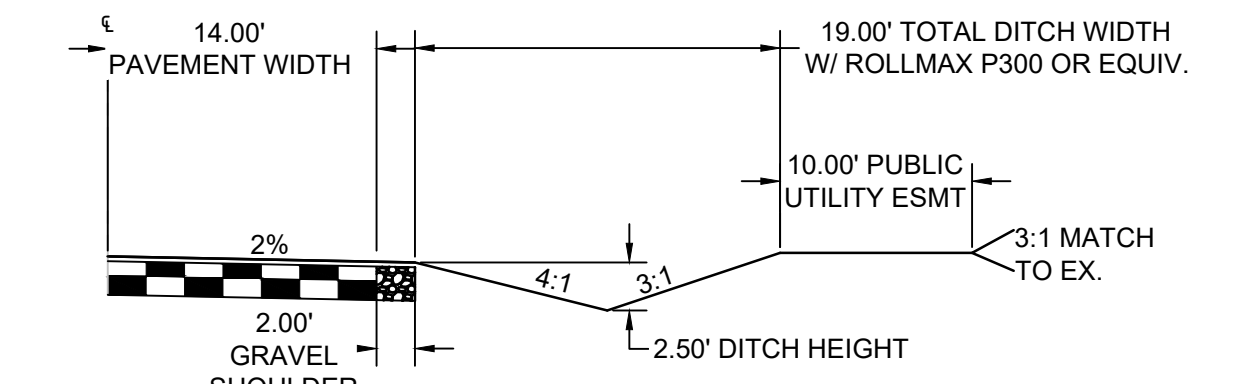
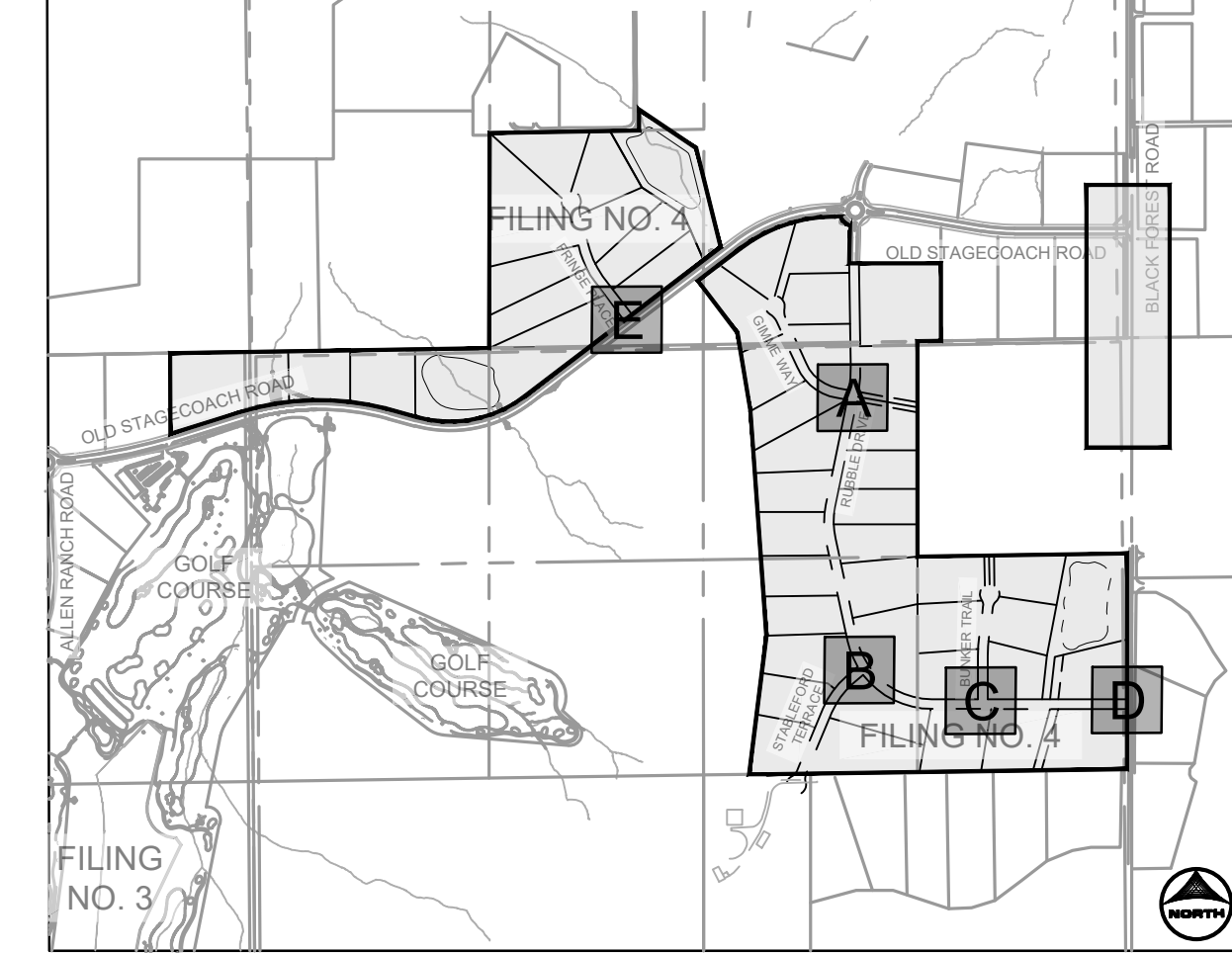
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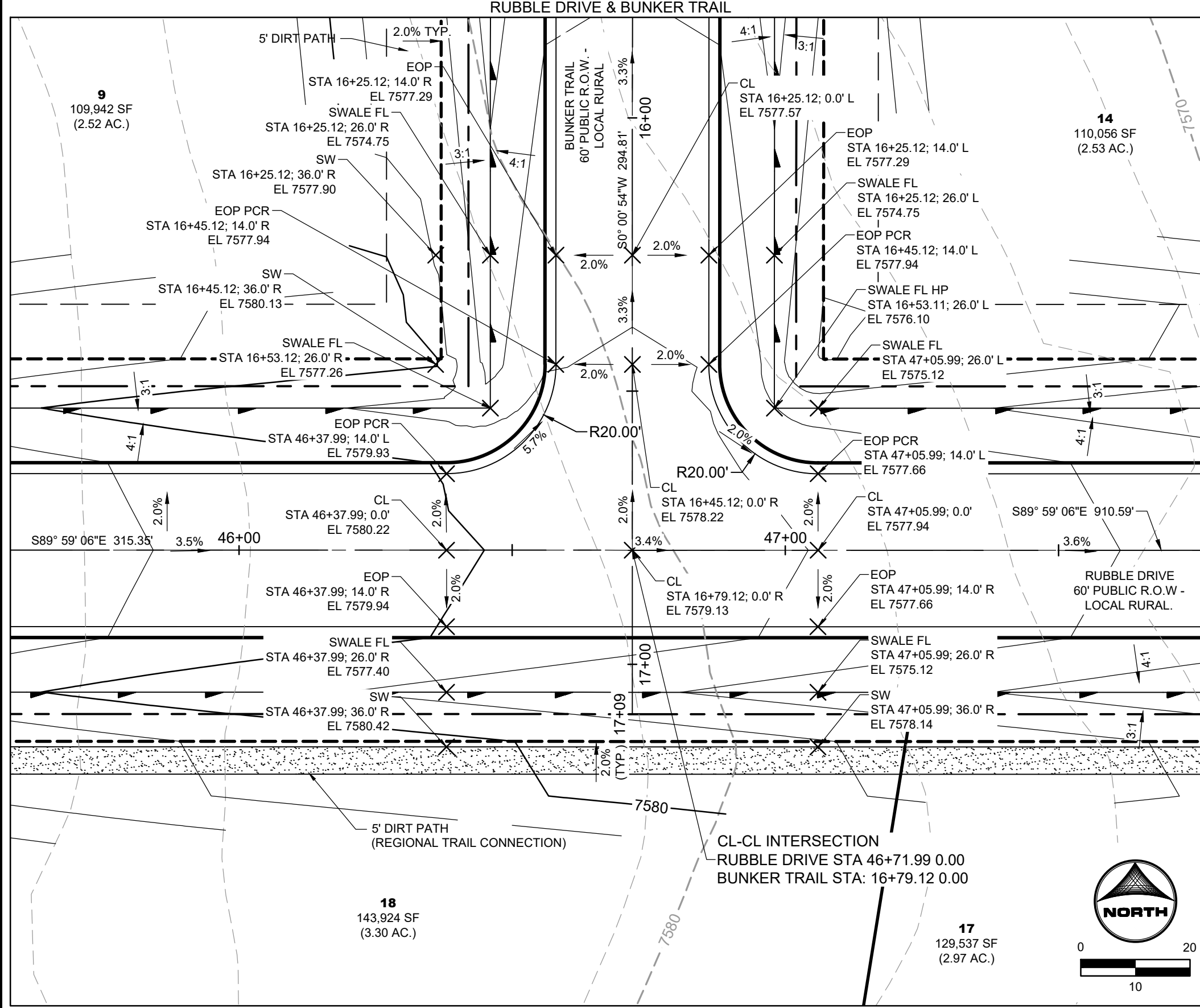
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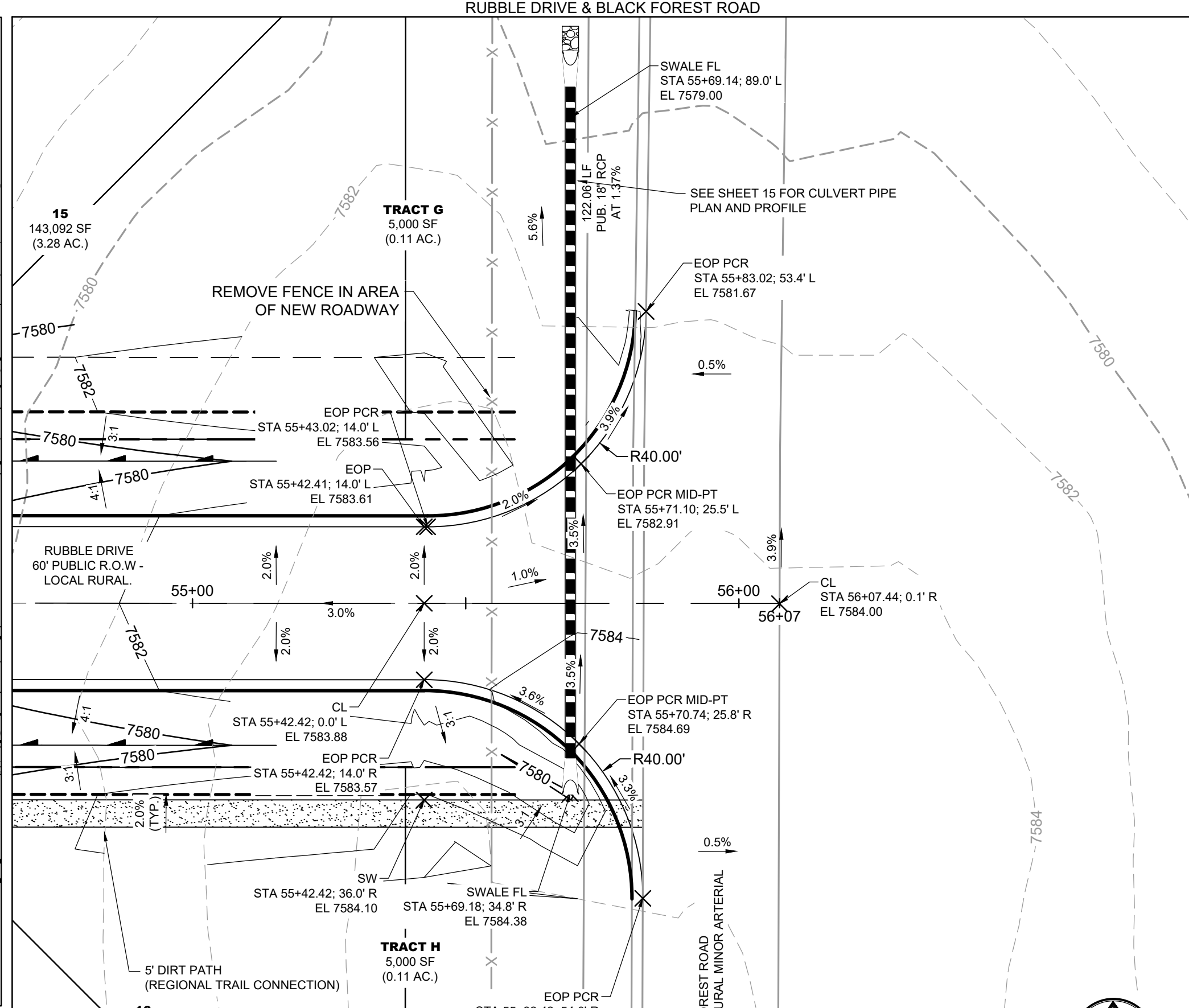
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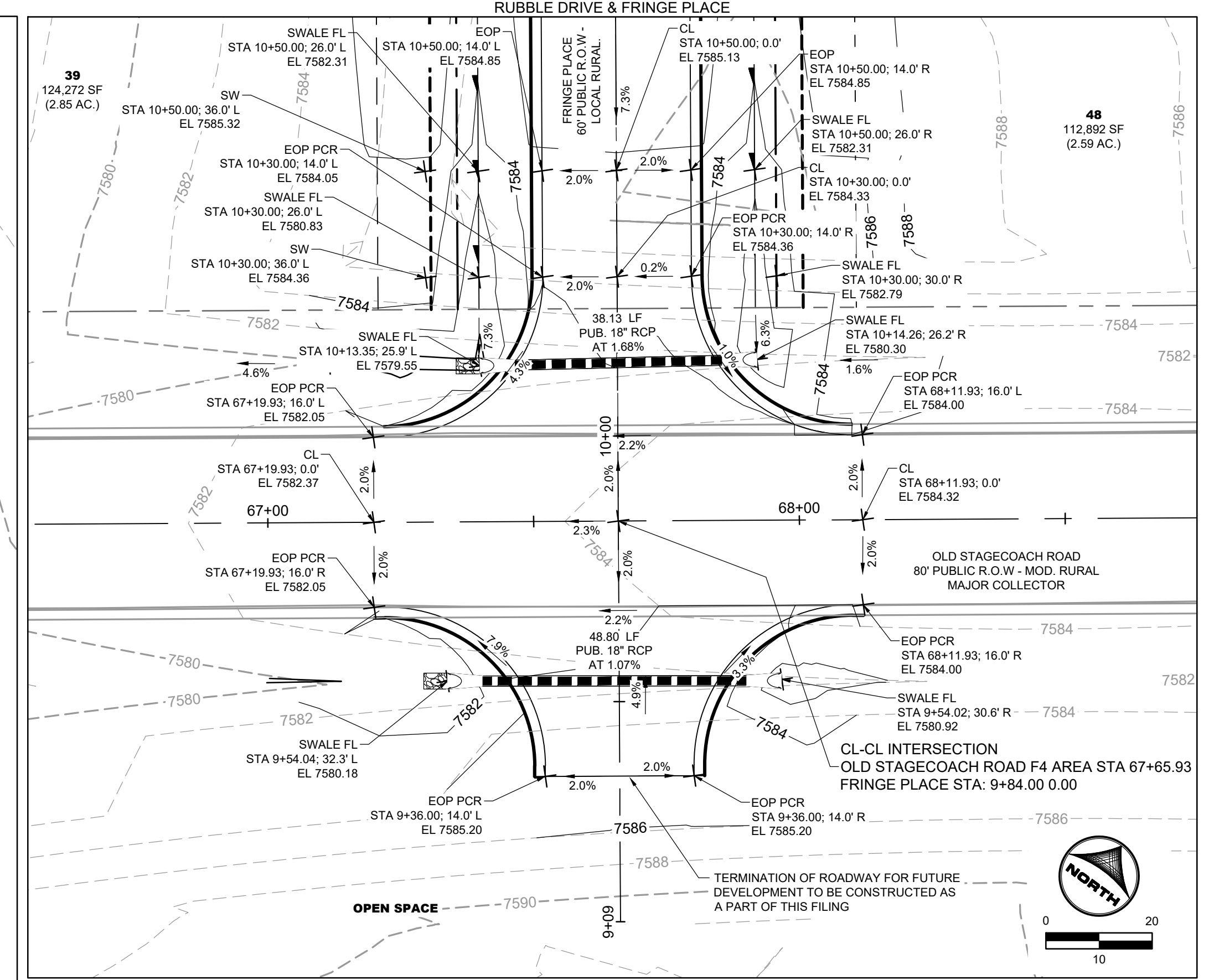
ROADWAY INTERSECTION DETAIL - C



ROADWAY INTERSECTION DETAIL - D



ROADWAY INTERSECTION DETAIL - E



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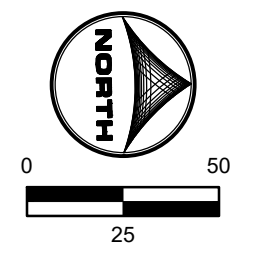
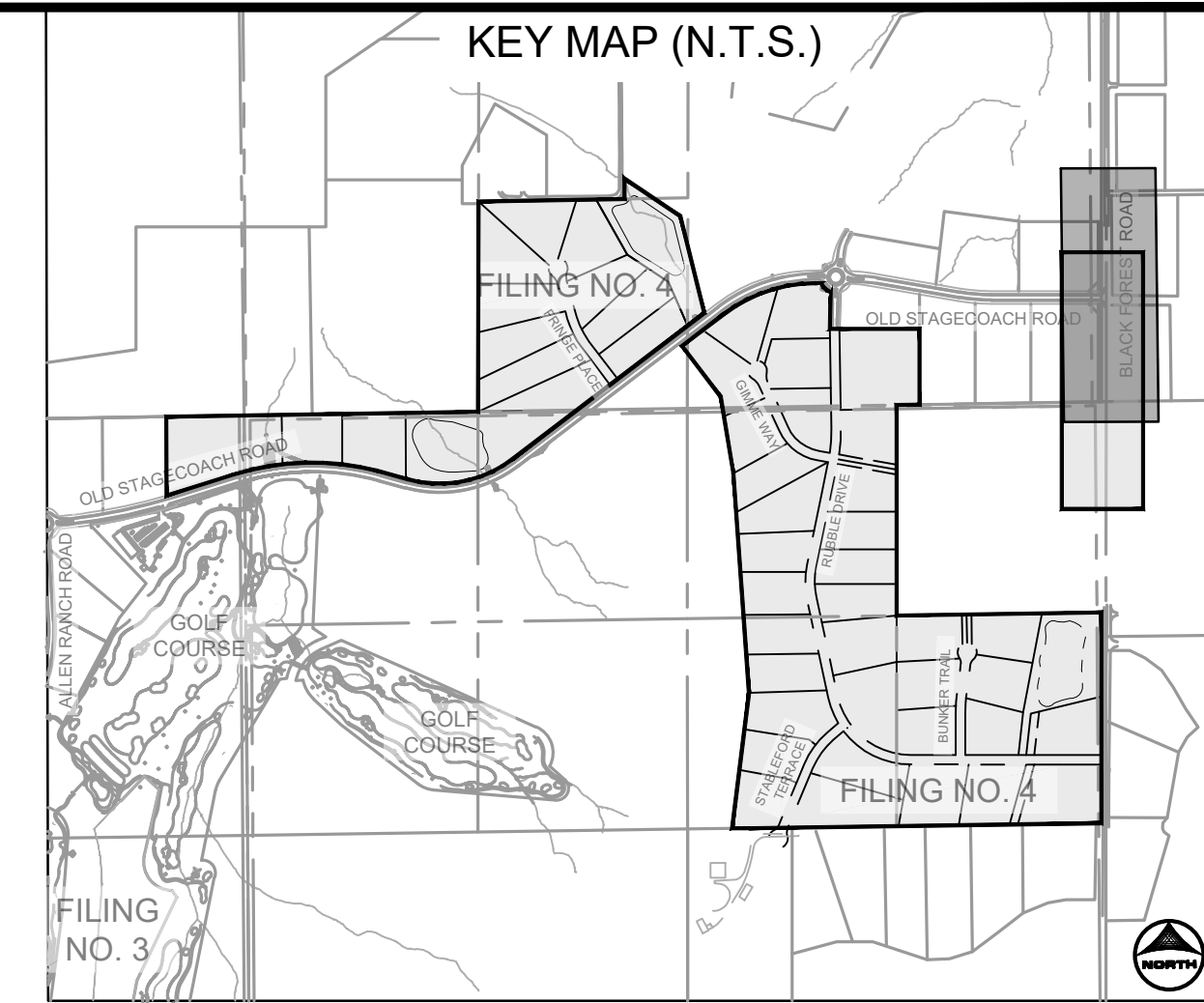
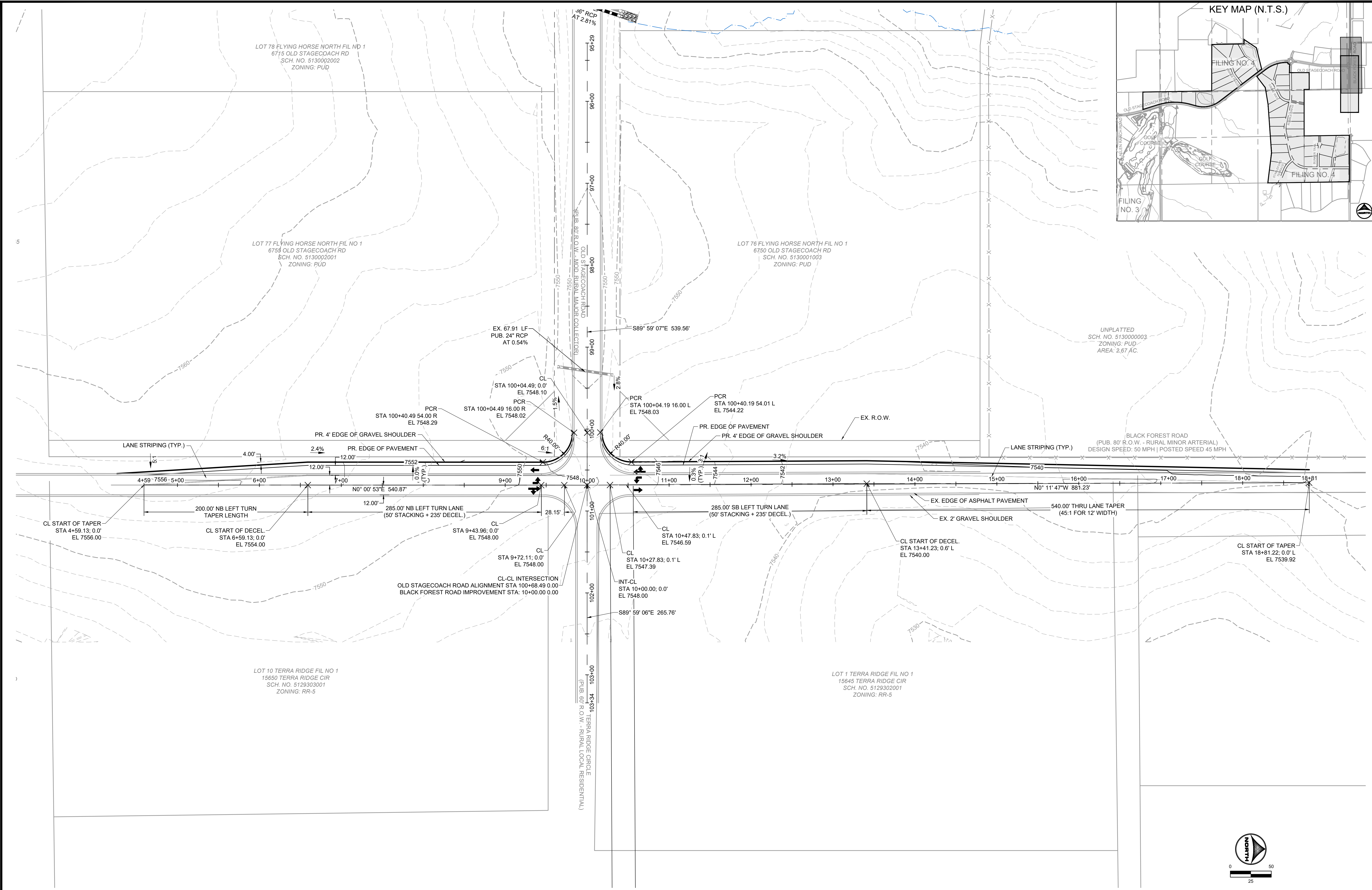


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 COLORADO SPRINGS, CO 80920
 PHONE: 719.300.4140
 FAX: 713.965.0044

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 PRI #2, LLC.
 EL PASO COUNTY, CO

INTERSECTION DETAILS
 ROADWAY INTERSECTION DETAILS

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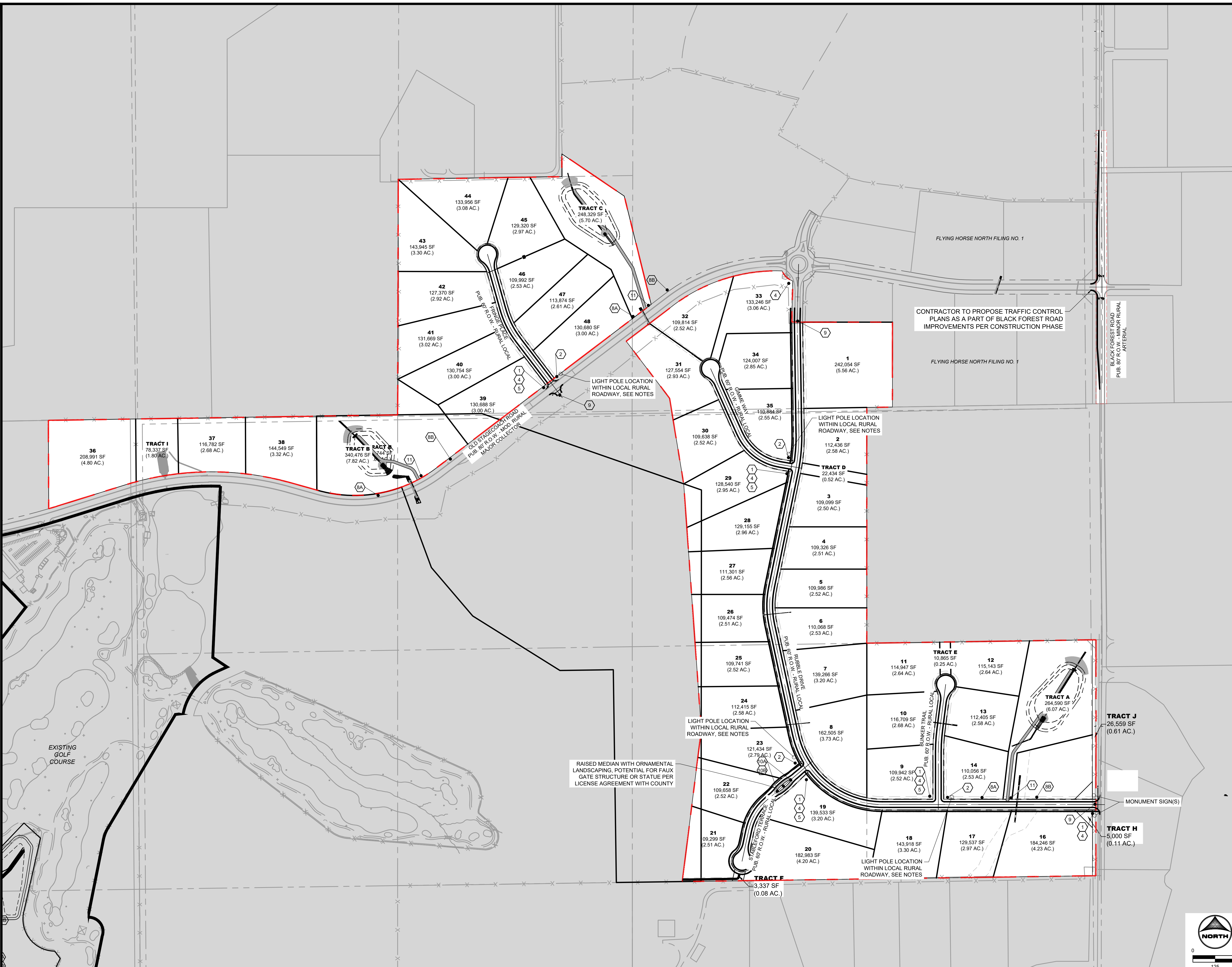
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 PHONE: 719.300.4140
 FAX: 719.965.0044

**FLYING HORSE NORTH FILING 4
 PRI #2, LLC.**
 EL PASO COUNTY, CO

**PUBLIC ROADWAY IMPROVEMENTS
 BLACK FOREST ROAD & OLD STAGECOACH ROAD**

SHEET **ST** **13**
 PCD FILE NO.: SF2422



SIGNAGE LEGEND:

- 1 STOP R-1 SINGLE LANE 30"x30"
- 2 NO OUTLET 18"x18"
- 3A SPEED LIMIT 25 24"x30"
- 3B SPEED LIMIT 30 24"x30"
- 4 ROAD NAME GREEN
- 6 W11-11 18"x18"
- 5 ROAD NAME NO OUTLET GREEN W/ NO OUTLET PATCH
- 7 NO PARKING FIRE LANE 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) O-O-O
- 10A R-4-7 12"x18"
- 10B OM3-L 12"x18"
- 11 NO PUBLIC ACCESS ROAD MAINTENANCE SIGN GREEN SIGN W/ WHITE LETTERING 24"x24"

- 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.

- 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/LOWER 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-S REGARDING USE OF THE 192 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 125 MIL 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 15 MIL 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.

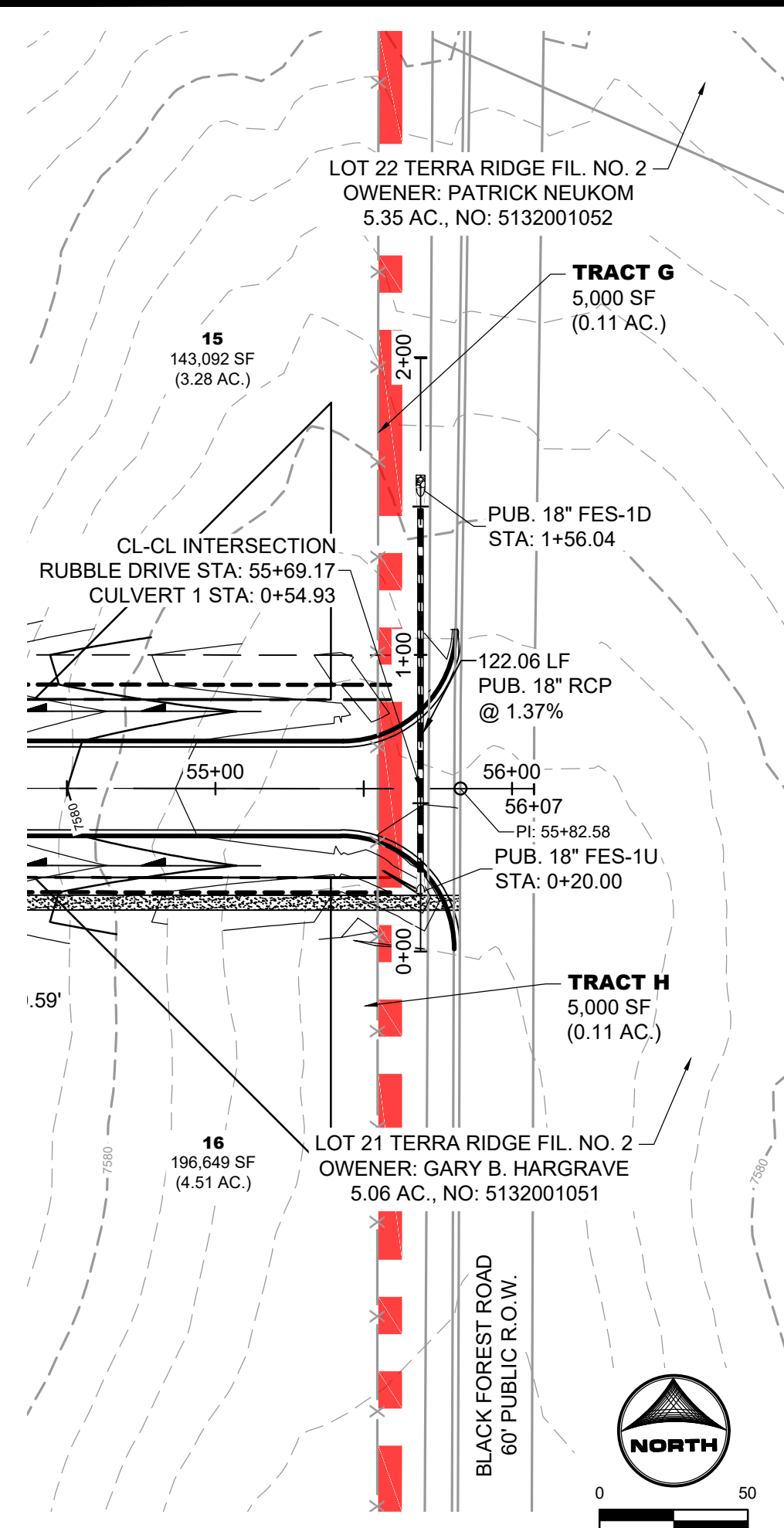
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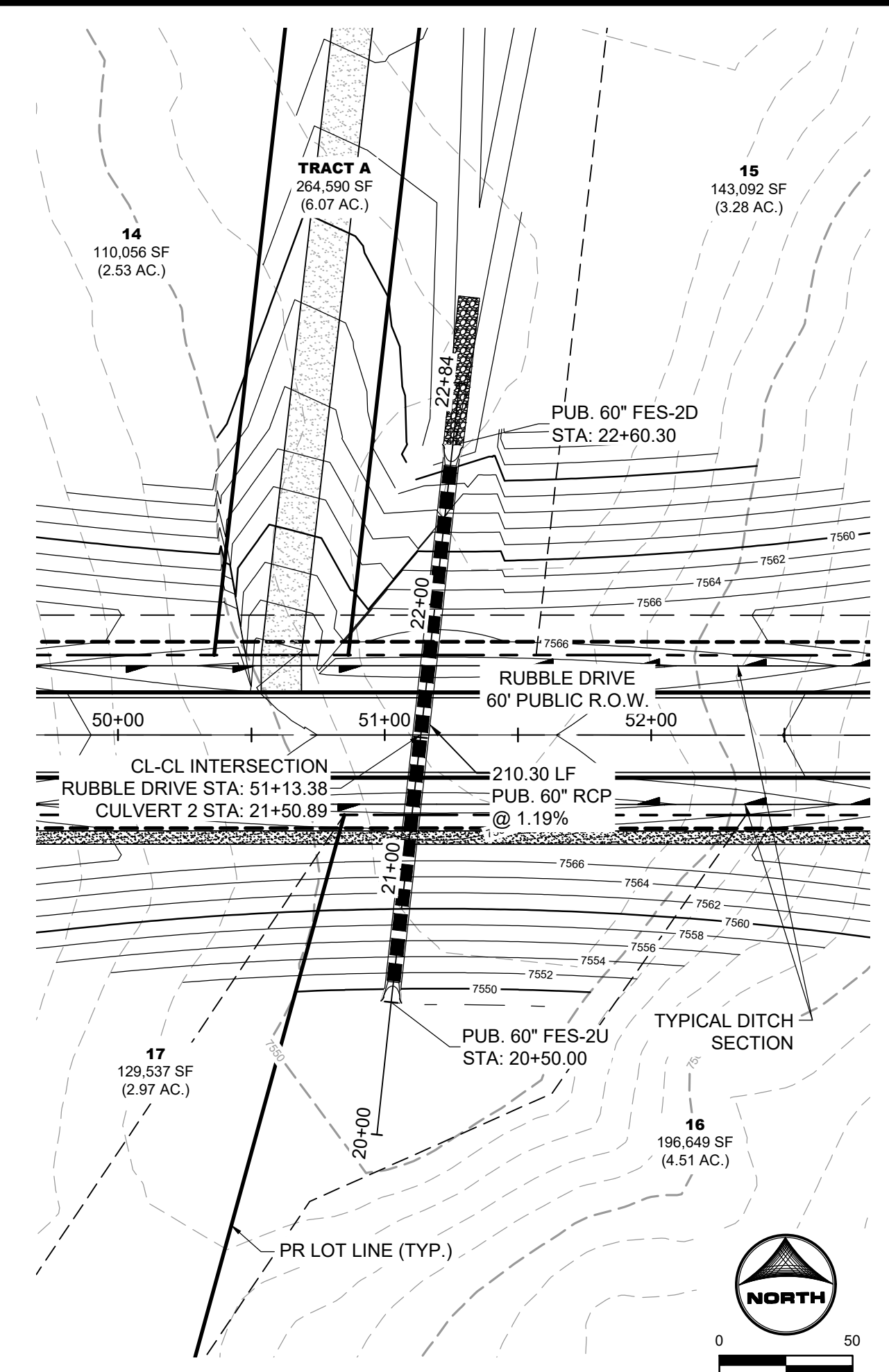
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 COLORADO SPRINGS, CO 80920
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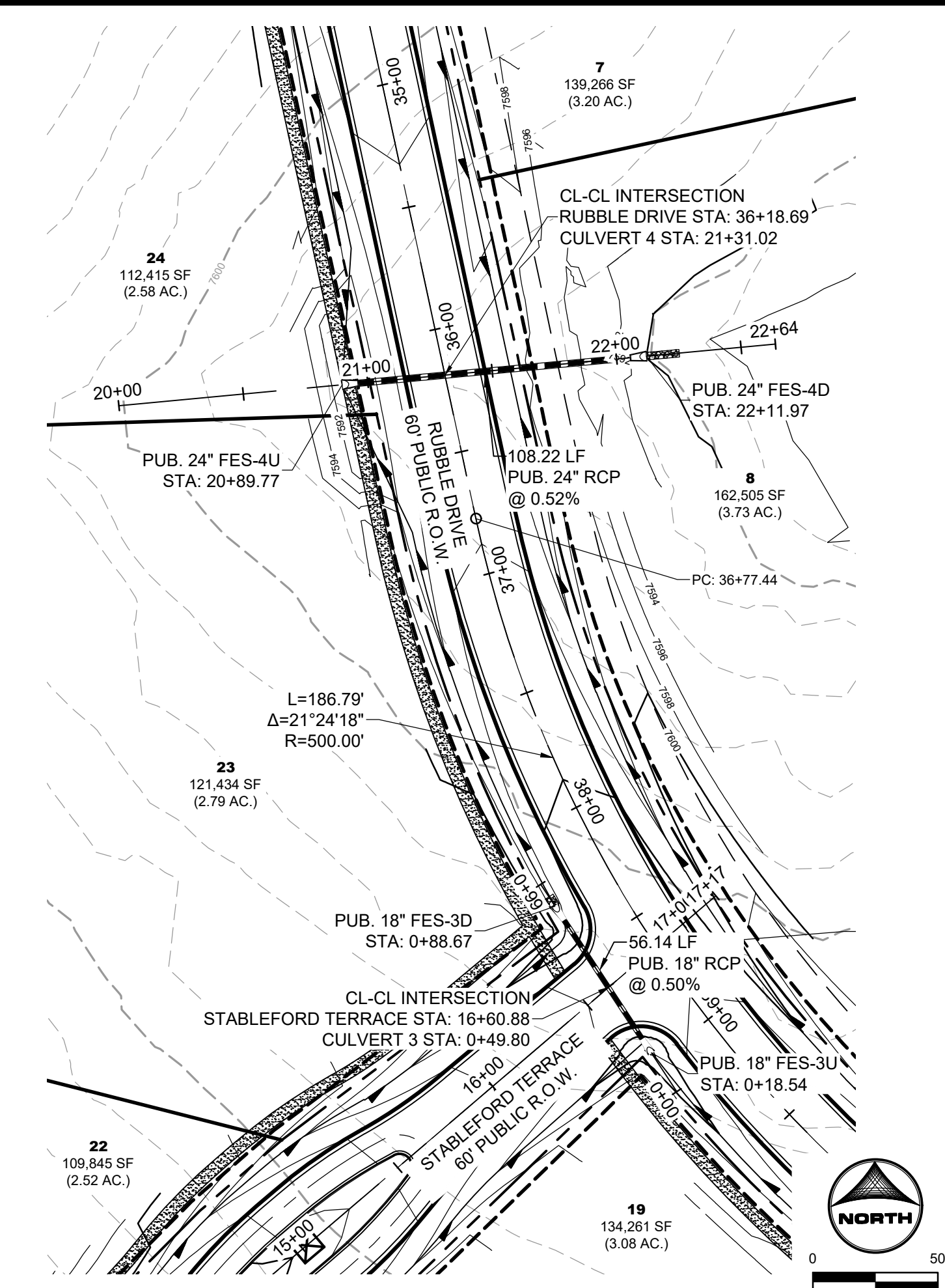
CONSTRUCTION DRAWINGS
 SIGNAGE AND STRIPING



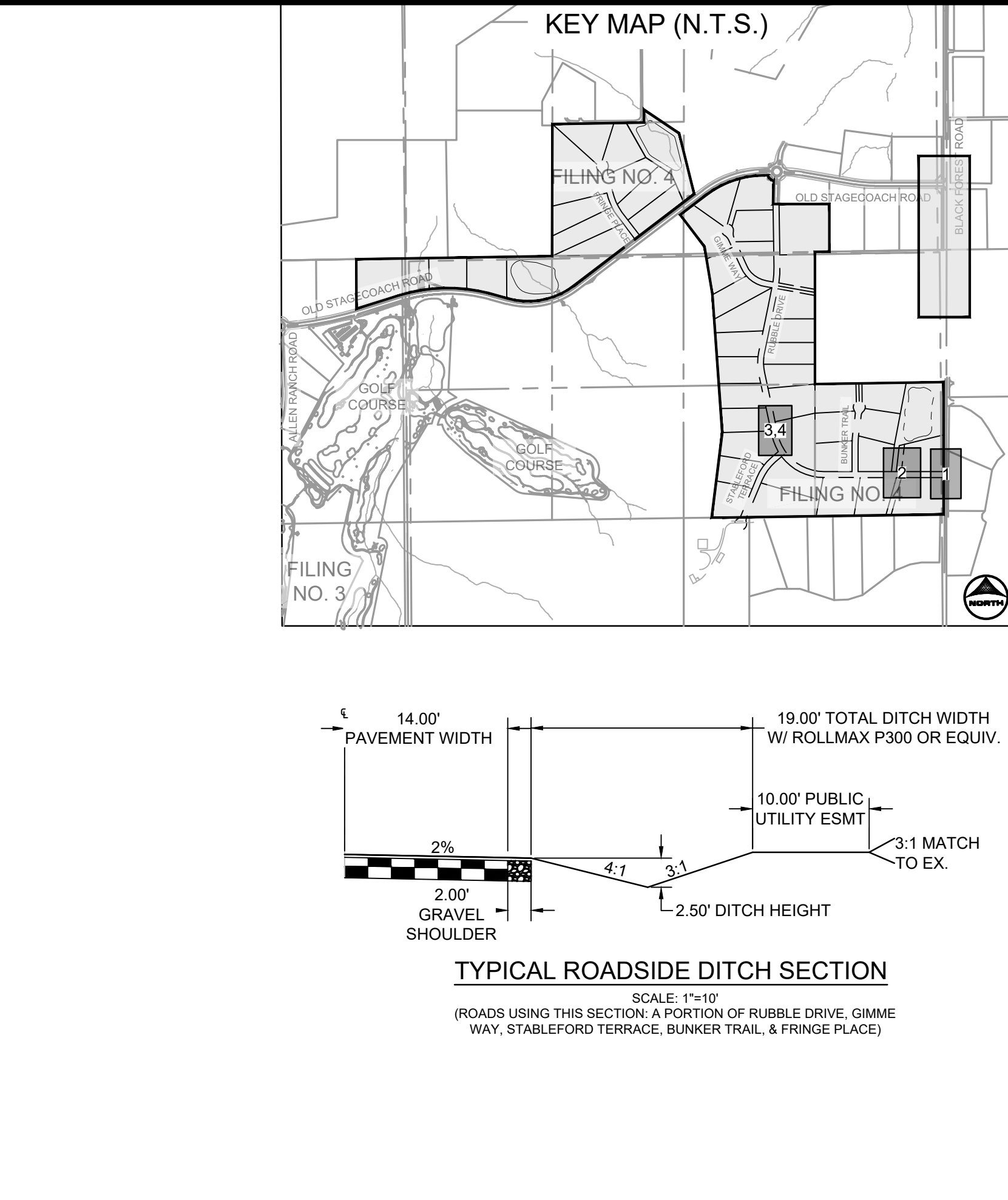
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PUB. STORM CULVERT PIPE WITHIN
RUBBLE DRIVE AND BLACK FORST ROAD
PUB. 60" R.O.W. - RURAL LOCAL RESIDENTIAL



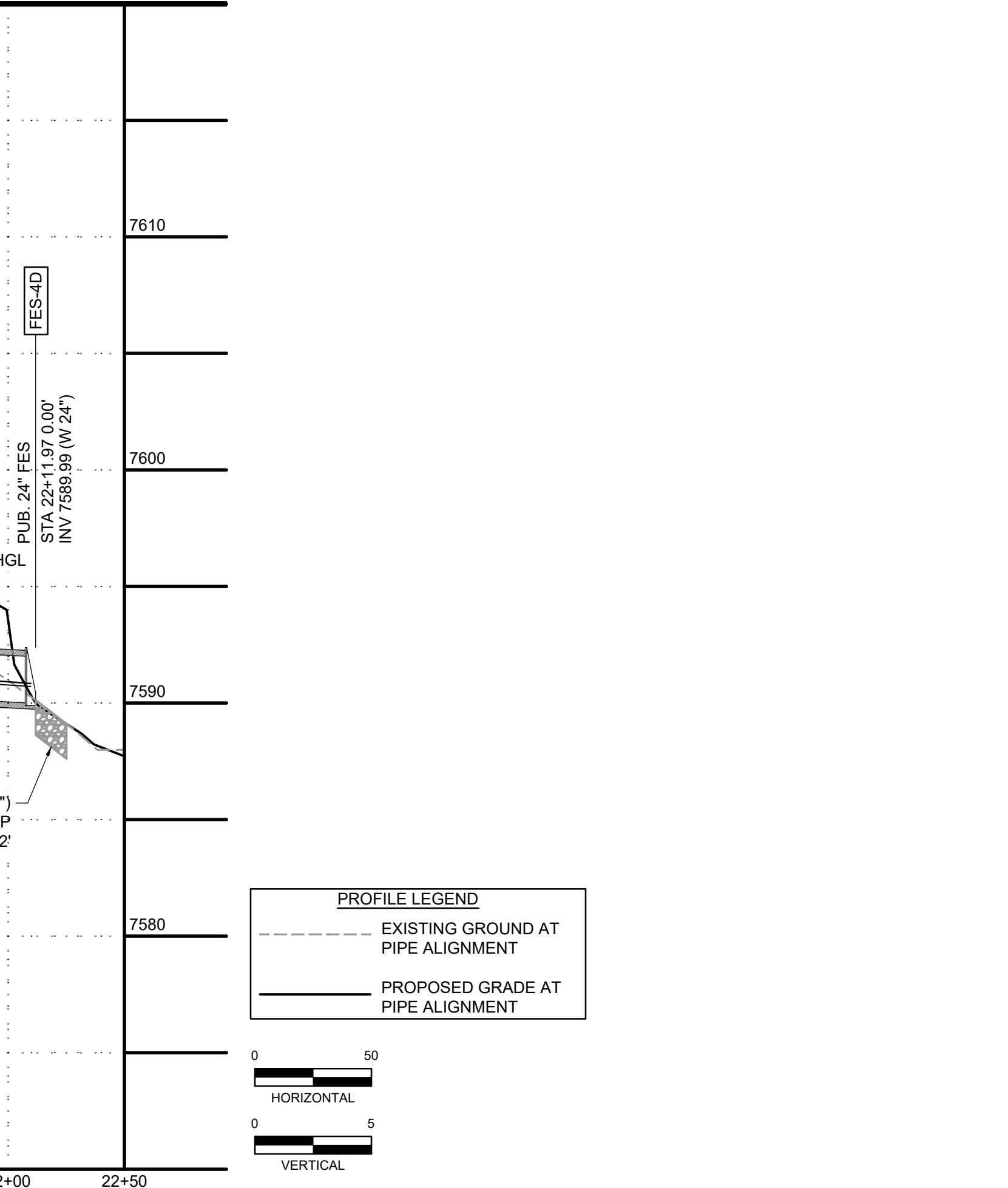
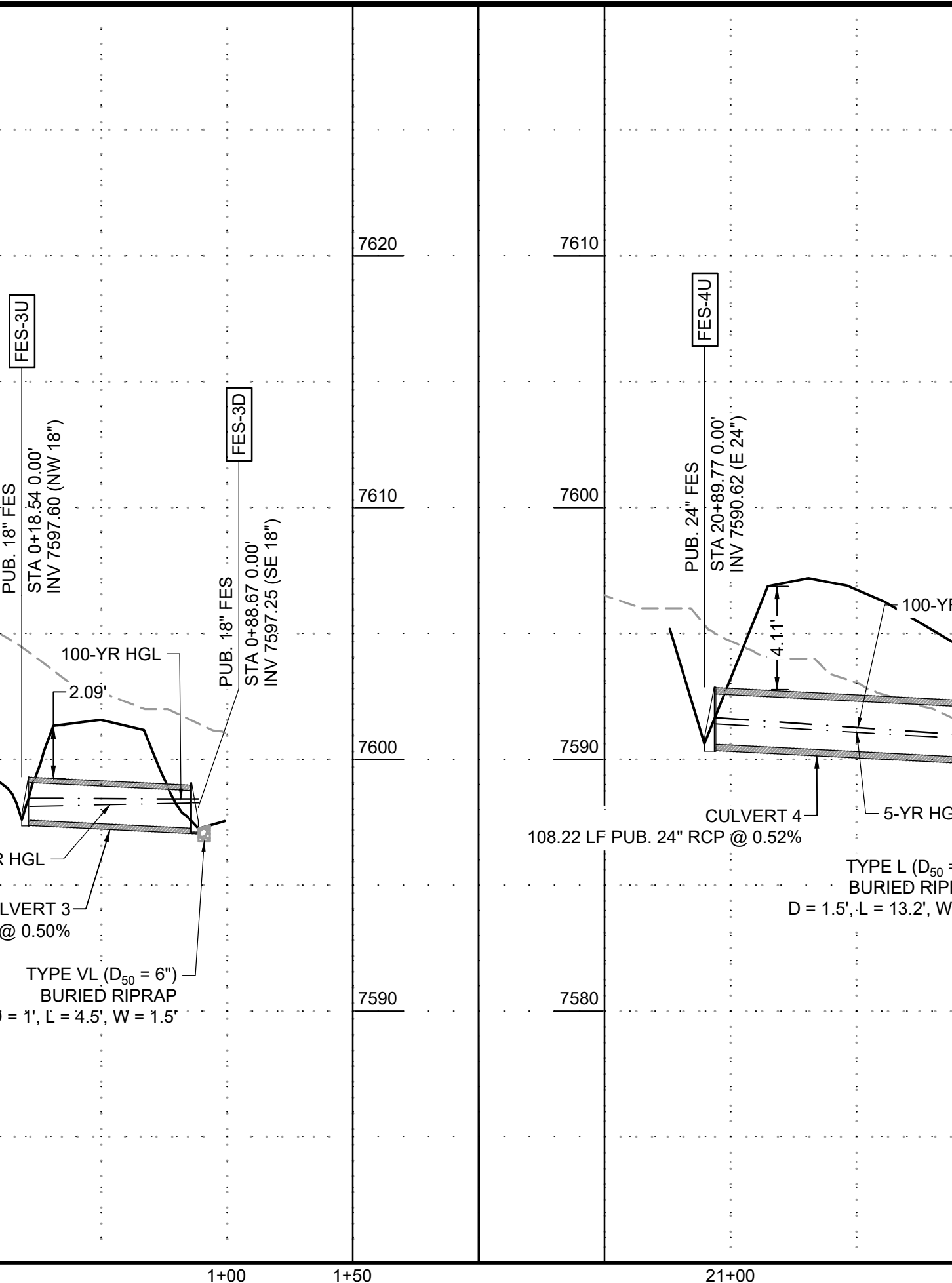
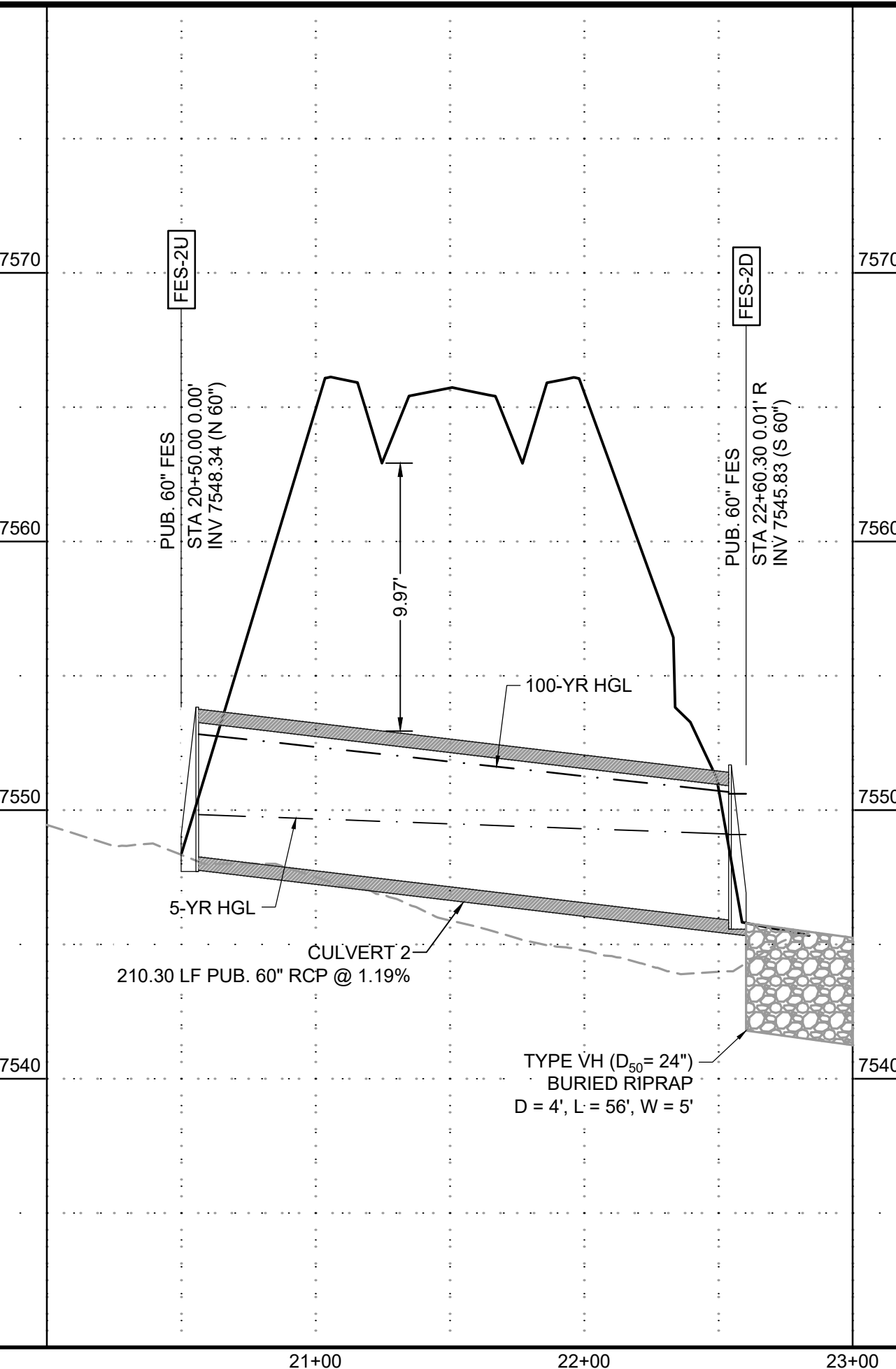
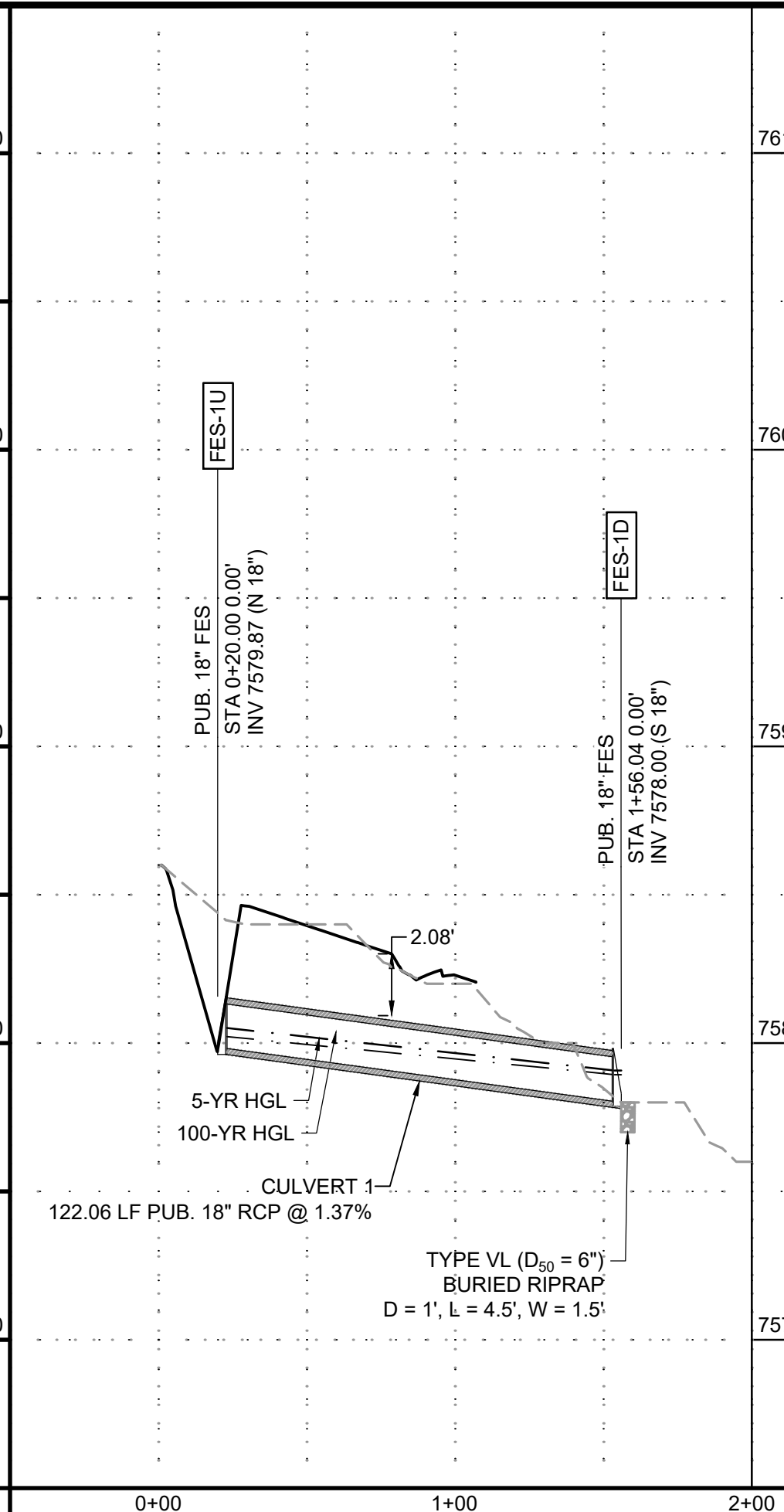
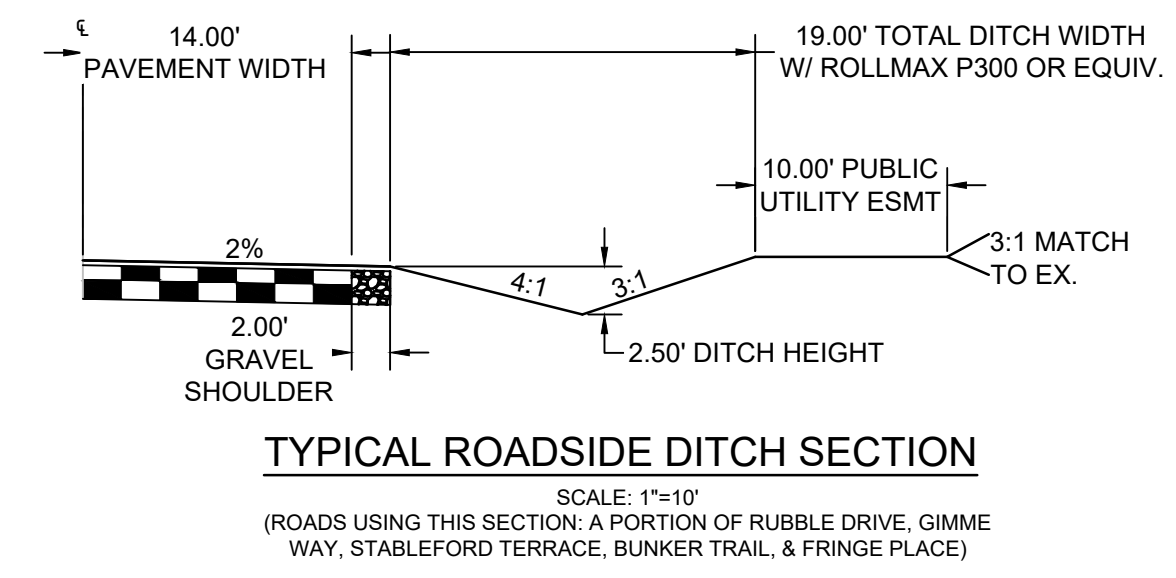
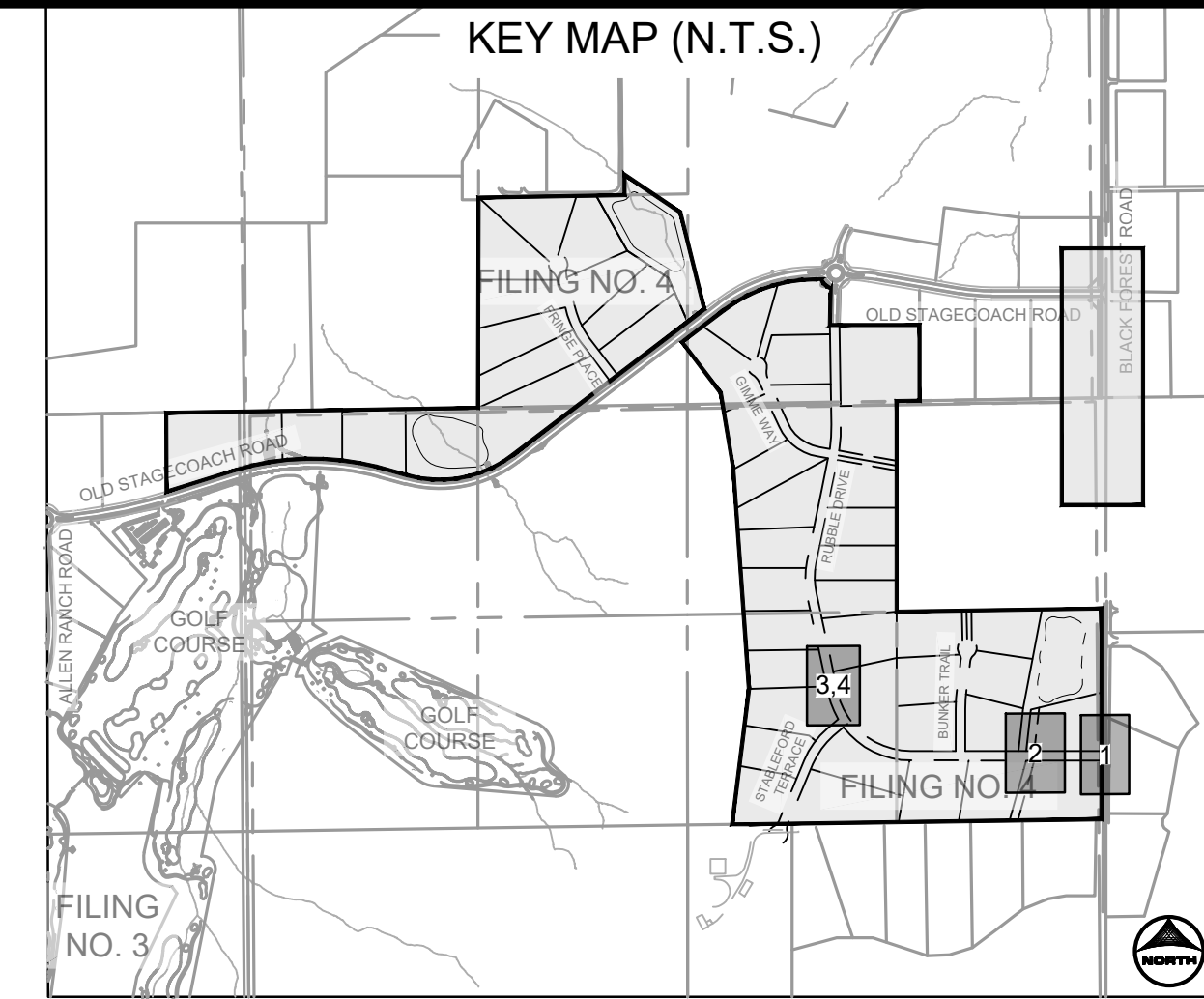
CULVERT 2
PUB. STORM CULVERT PIPE WITHIN RUBBLE DRIVE
PUB. 60" R.O.W. - RURAL LOCAL RESIDENTIAL



CULVERT 3
PUB. STORM CULVERT PIPE WITHIN
STABLEFORD TERRACE AND RUBBLE DRIVE
PUB. 60" R.O.W. - RURAL LOCAL RESIDENTIAL

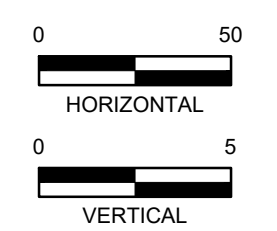


CULVERT 4
PUB. STORM CULVERT PIPE WITHIN RUBBLE DRIVE
PUB. 60" R.O.W. - RURAL LOCAL RESIDENTIAL



PROFILE LEGEND

- EXISTING GROUND AT PIPE ALIGNMENT
- PROPOSED GRADE AT PIPE ALIGNMENT



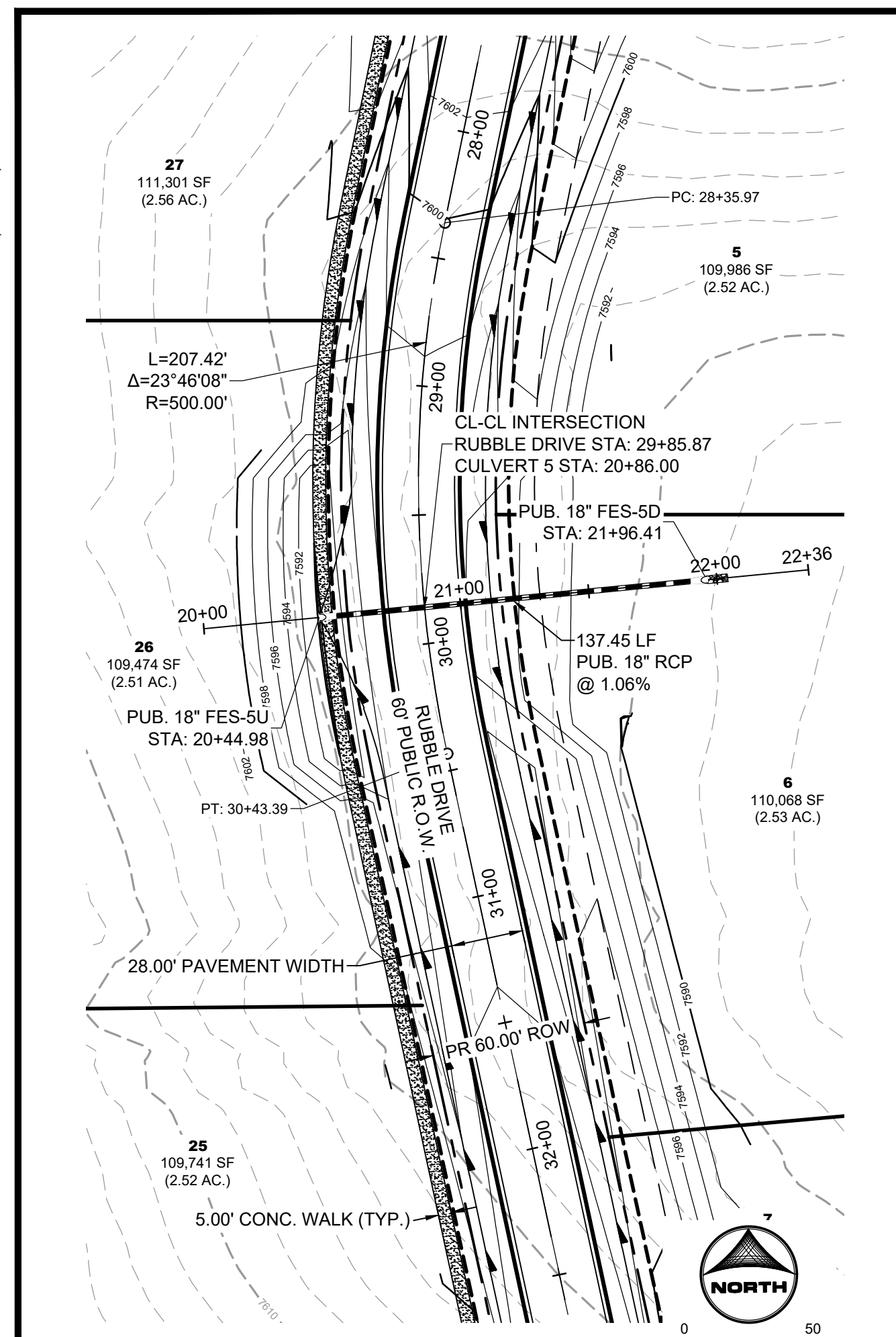
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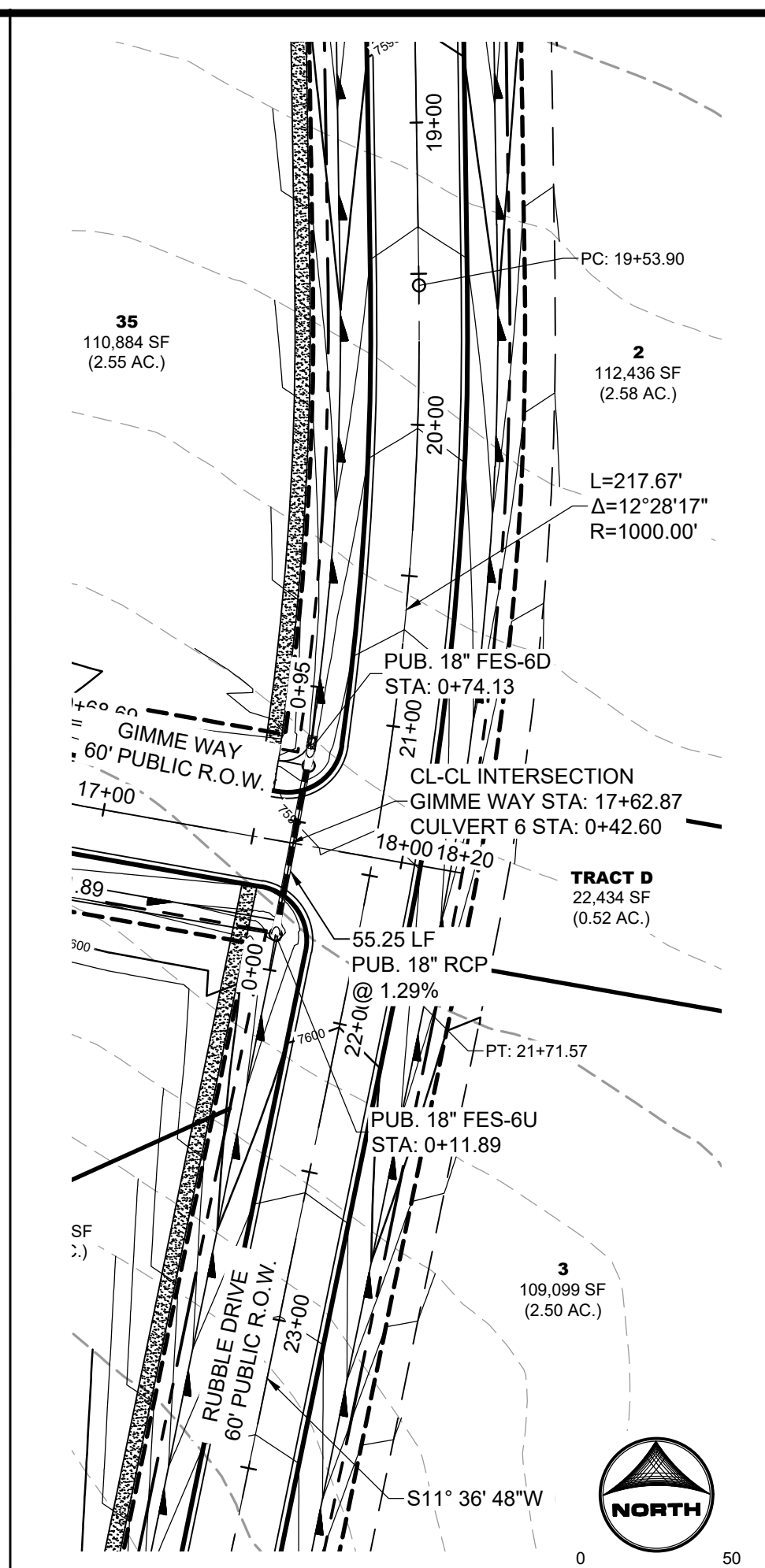
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 1975 RESEARCH PARKWAY SUITE 160
 COLORADO SPRINGS, CO 80920
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 EL PASO COUNTY, CO

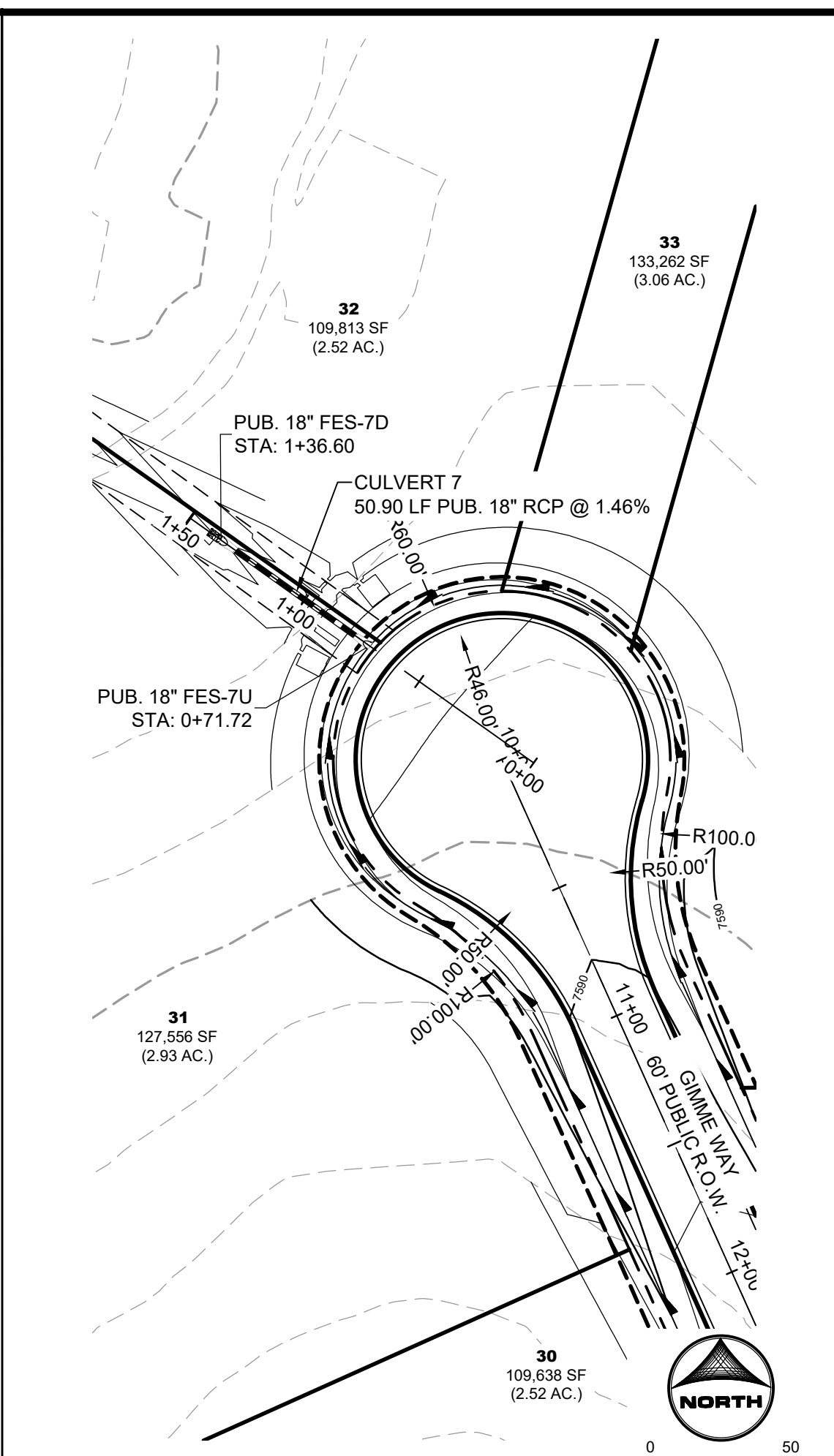
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STORM SEWER PLAN & PROFILES
STORM CULVERTS
SHEET STM 15



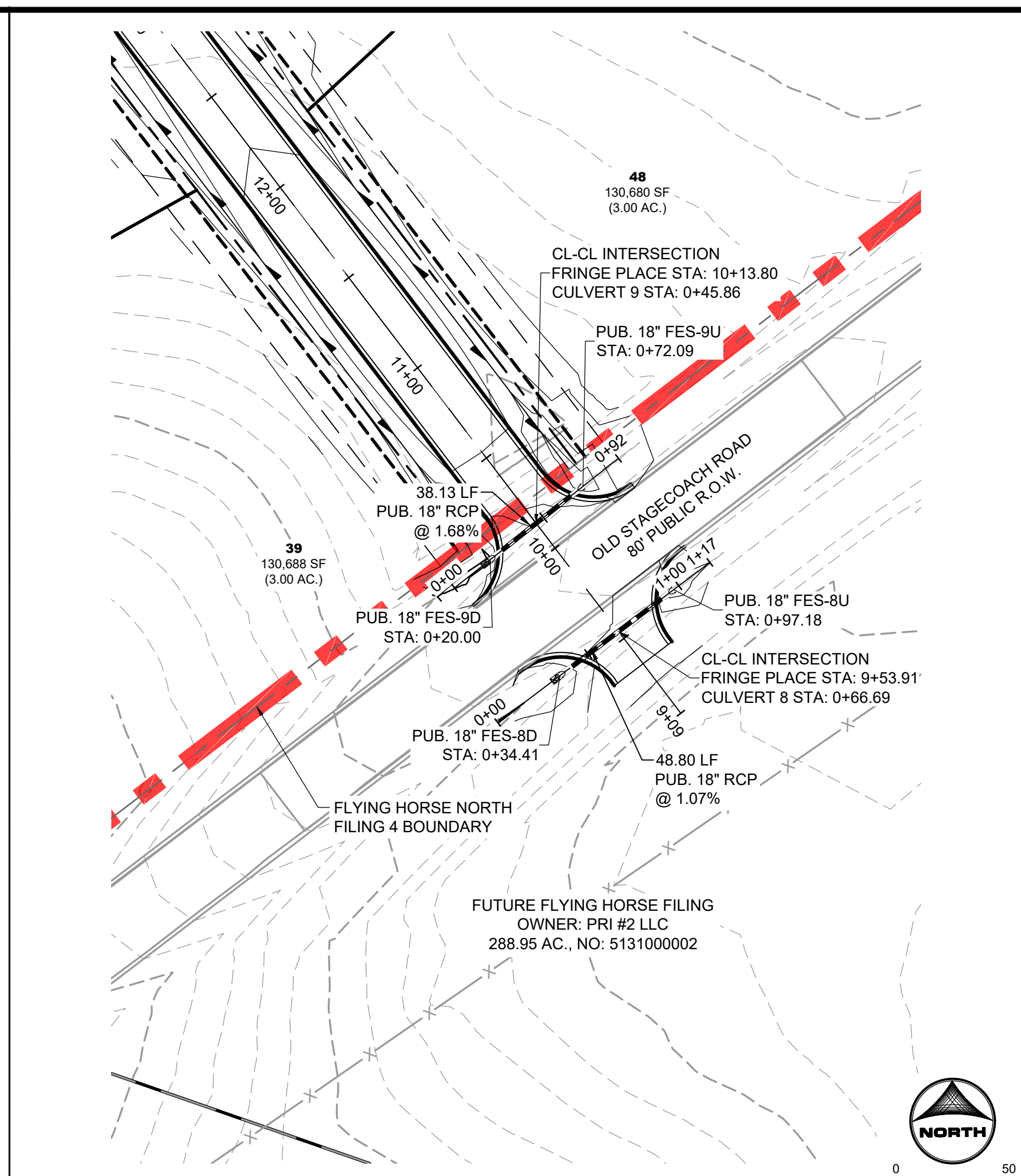
CULVERT 5
PUB. STORM CULVERT PIPE WITHIN RUBBLE DRIVE
PUB. 60' R.O.W. - RURAL LOCAL RESIDENTIAL



CULVERT 6
PUB. STORM CULVERT PIPE WITHIN
GIMME WAY AND RUBBLE DRIVE
PUB. 60' R.O.W. - RURAL LOCAL RESIDENTIAL

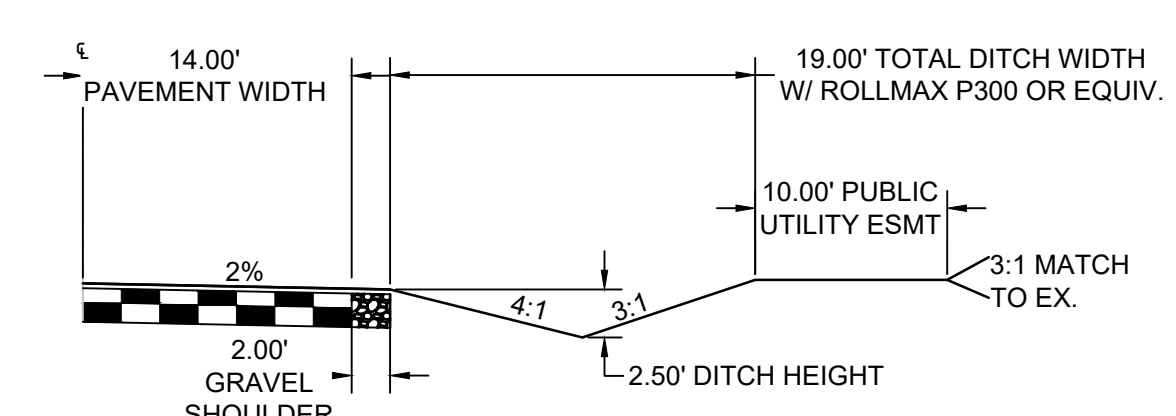
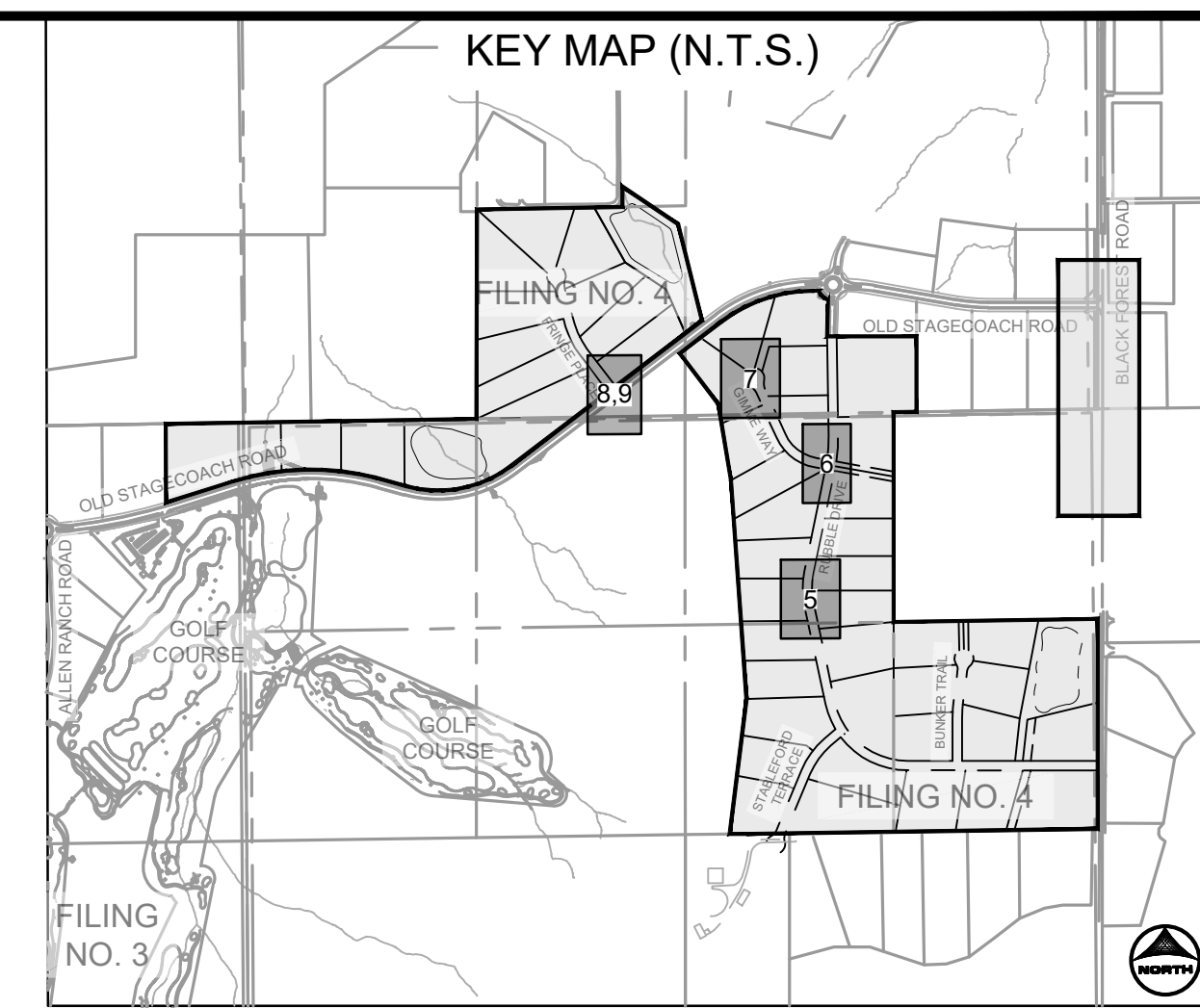


CULVERT 7
PUB. STORM CULVERT PIPE WITHIN GIMME WAY
PUB. 60' R.O.W. - RURAL LOCAL RESIDENTIAL

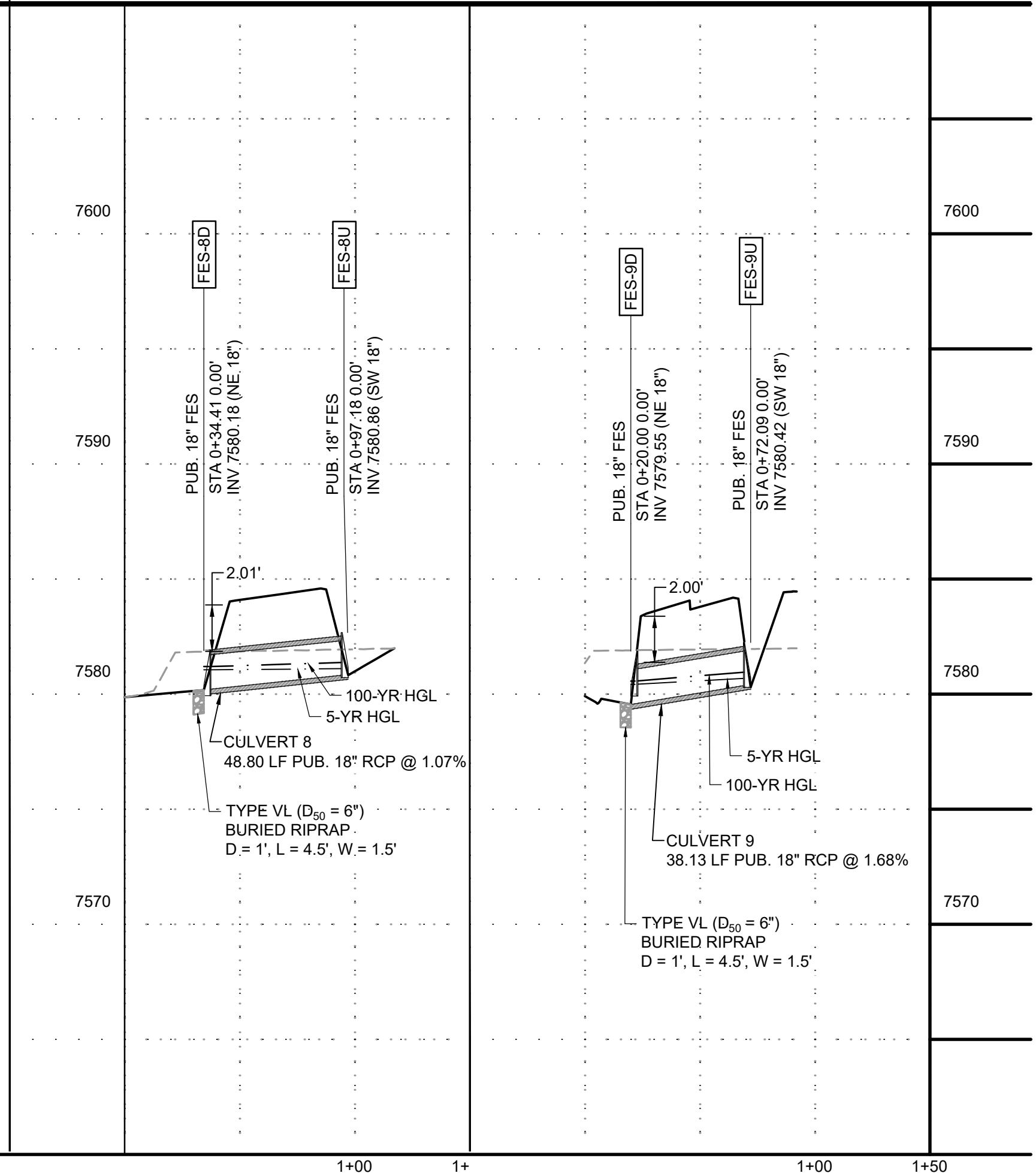
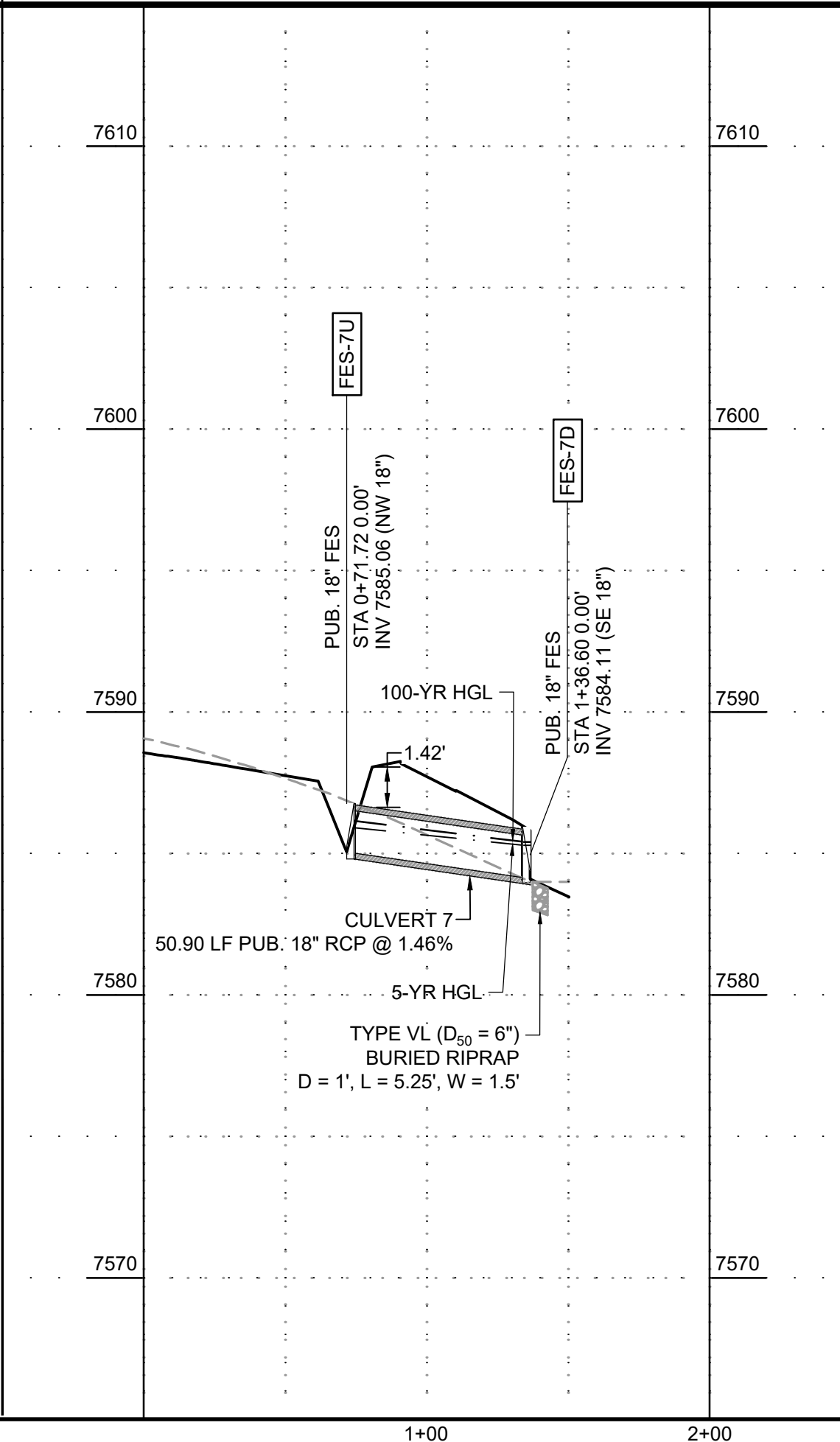
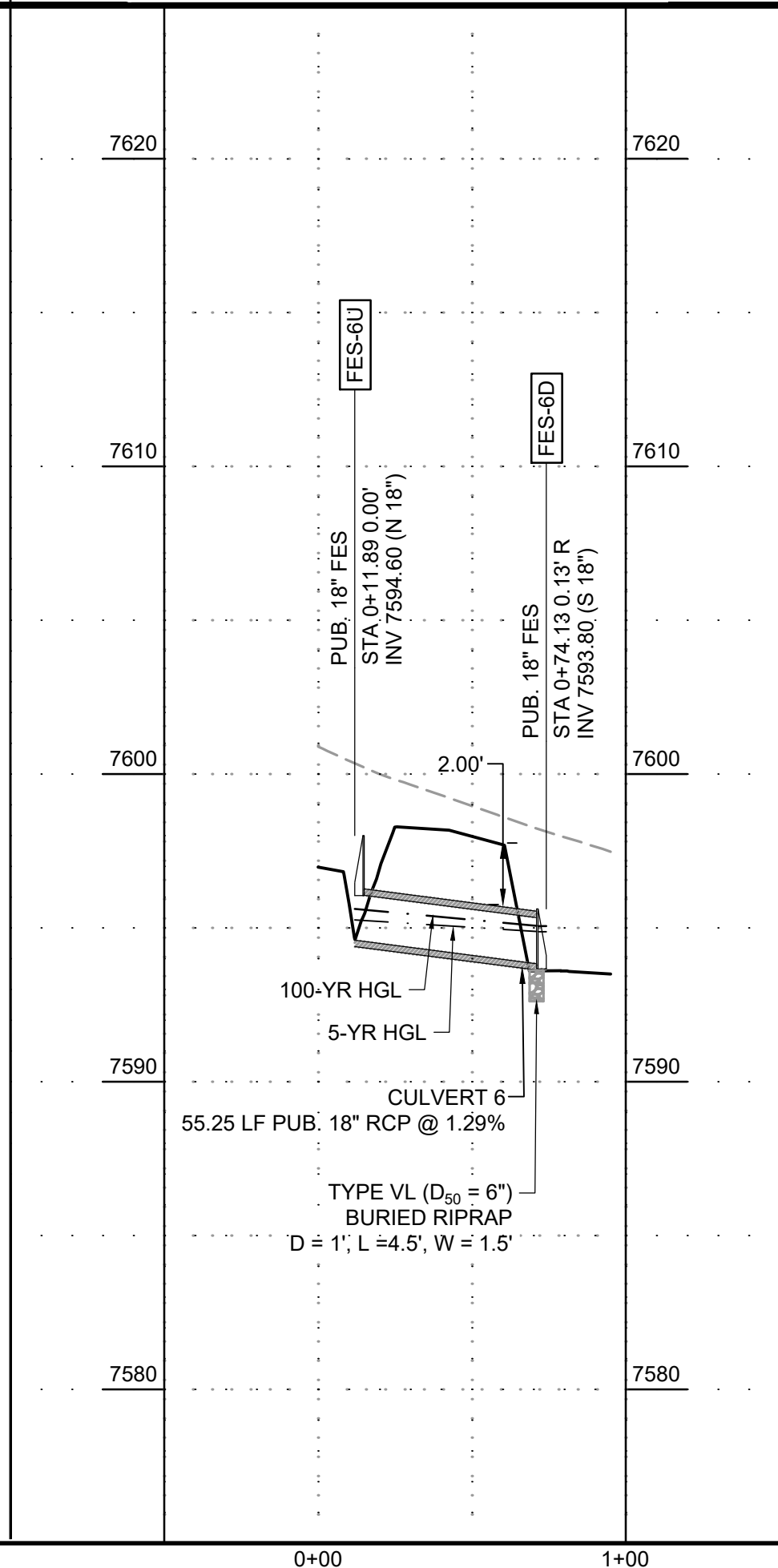
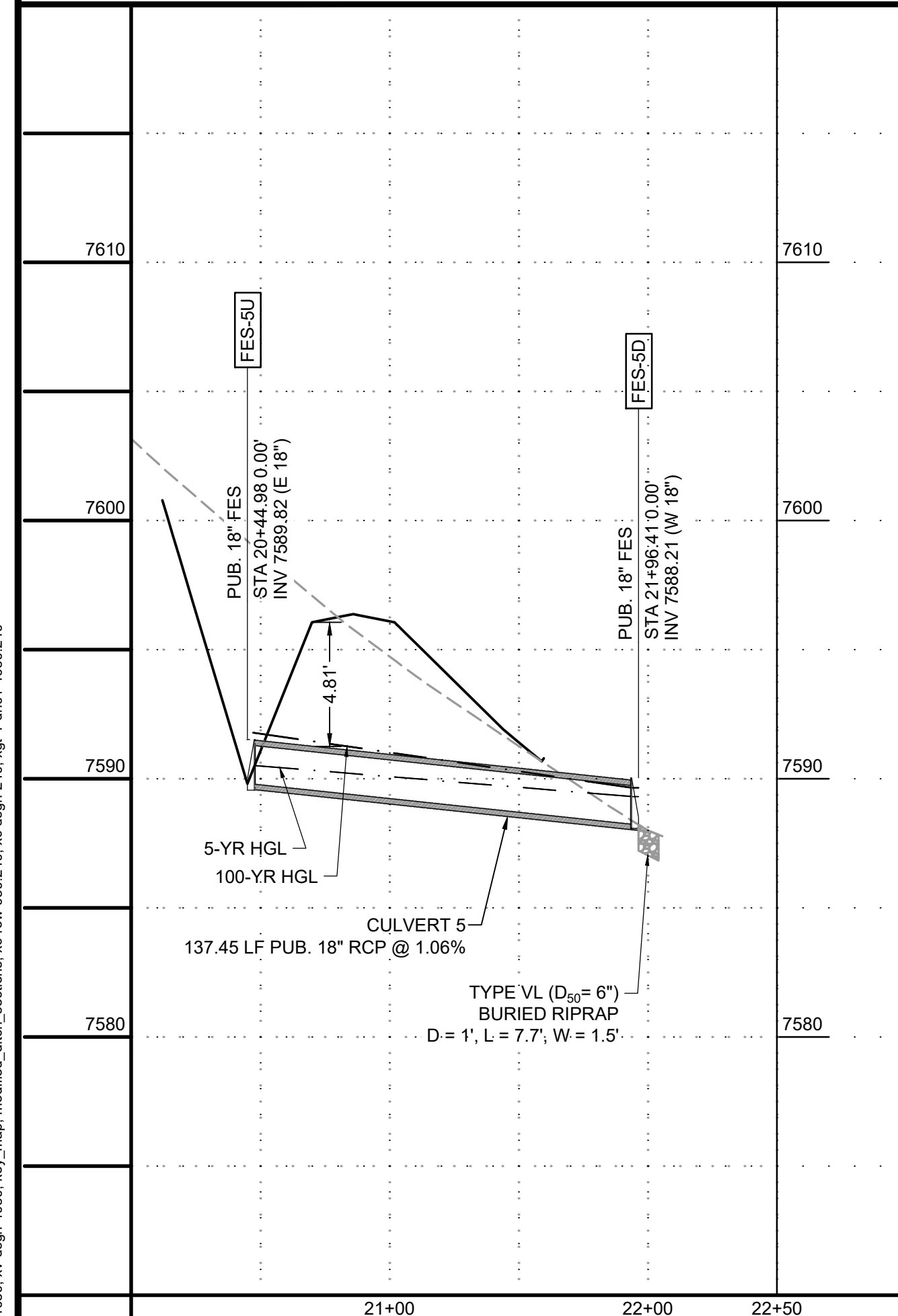


CULVERT 8 PUB. STORM CULVERT PIPE WITHIN FRINGE PLACE
(PUB. 60' R.O.W. - RURAL LOCAL RESIDENTIAL)
AND OLD STAGECOACH ROAD (PUB. 80' R.O.W. - COLLECTOR)

CULVERT 9 PUB. STORM CULVERT PIPE WITHIN FRINGE PLACE
(PUB. 60' R.O.W. - RURAL LOCAL RESIDENTIAL)
AND OLD STAGECOACH ROAD (PUB. 80' R.O.W. - COLLECTOR)

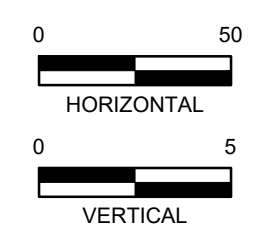


TYPICAL ROADSIDE DITCH SECTION
SCALE: 1"=10'
(ROADS USING THIS SECTION: A PORTION OF RUBBLE DRIVE, GIMME WAY, STABLEFORD TERRACE, BUNKER TRAIL, & FRINGE PLACE)



PROFILE LEGEND

- - - - - EXISTING GROUND AT PIPE ALIGNMENT
- — — — — PROPOSED GRADE AT PIPE ALIGNMENT



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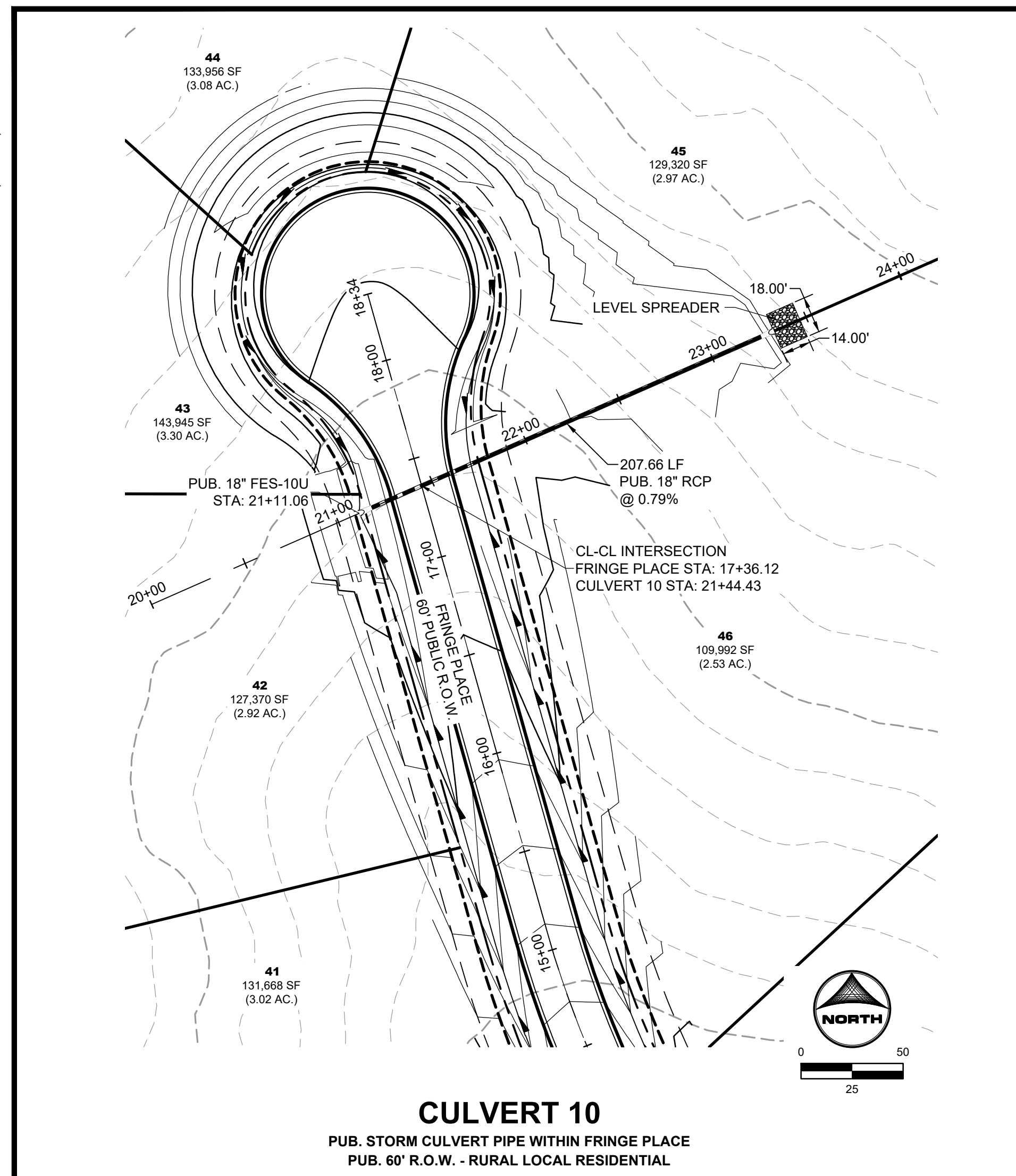
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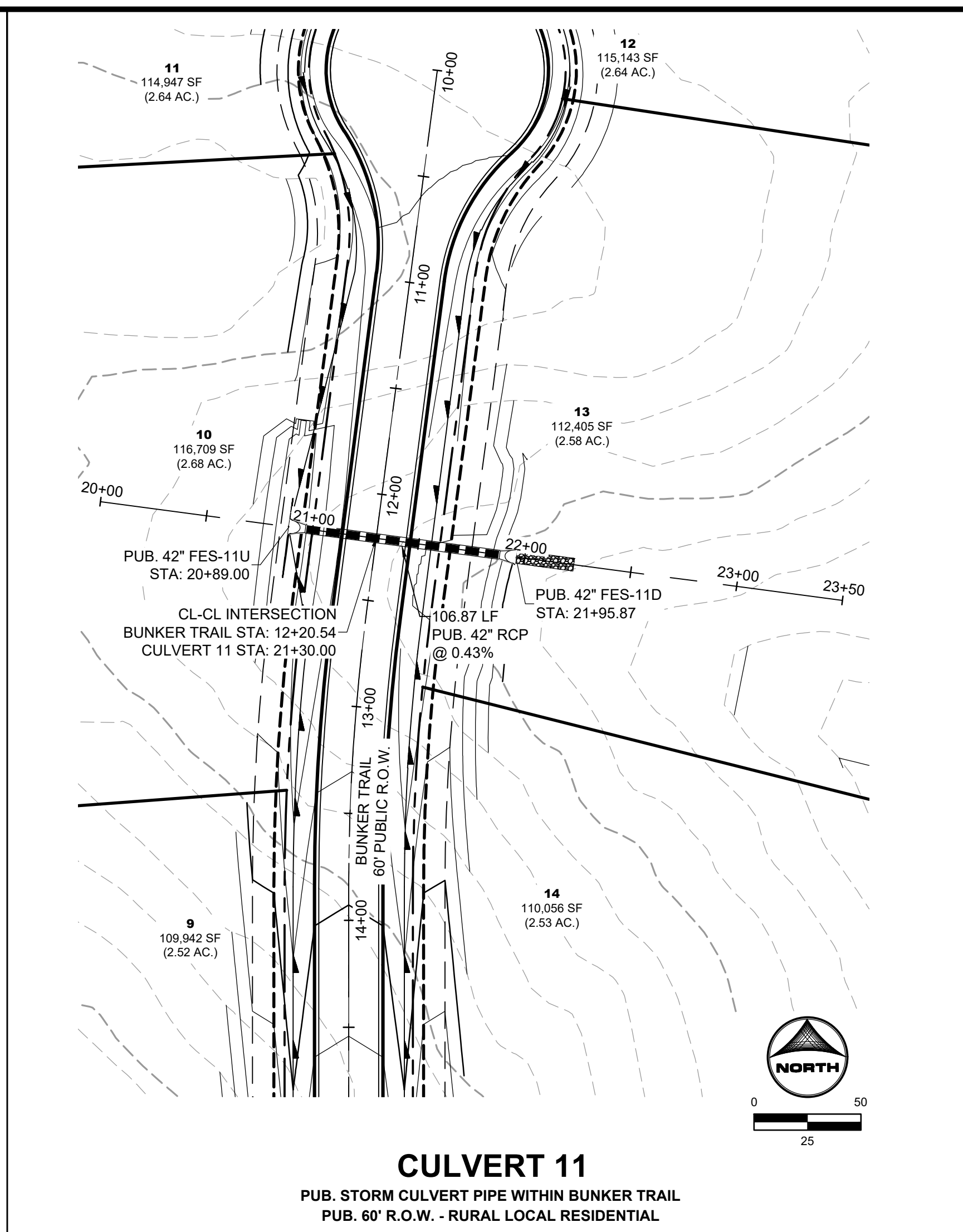
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 COLORADO SPRINGS, CO 80920
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 EL PASO COUNTY, CO

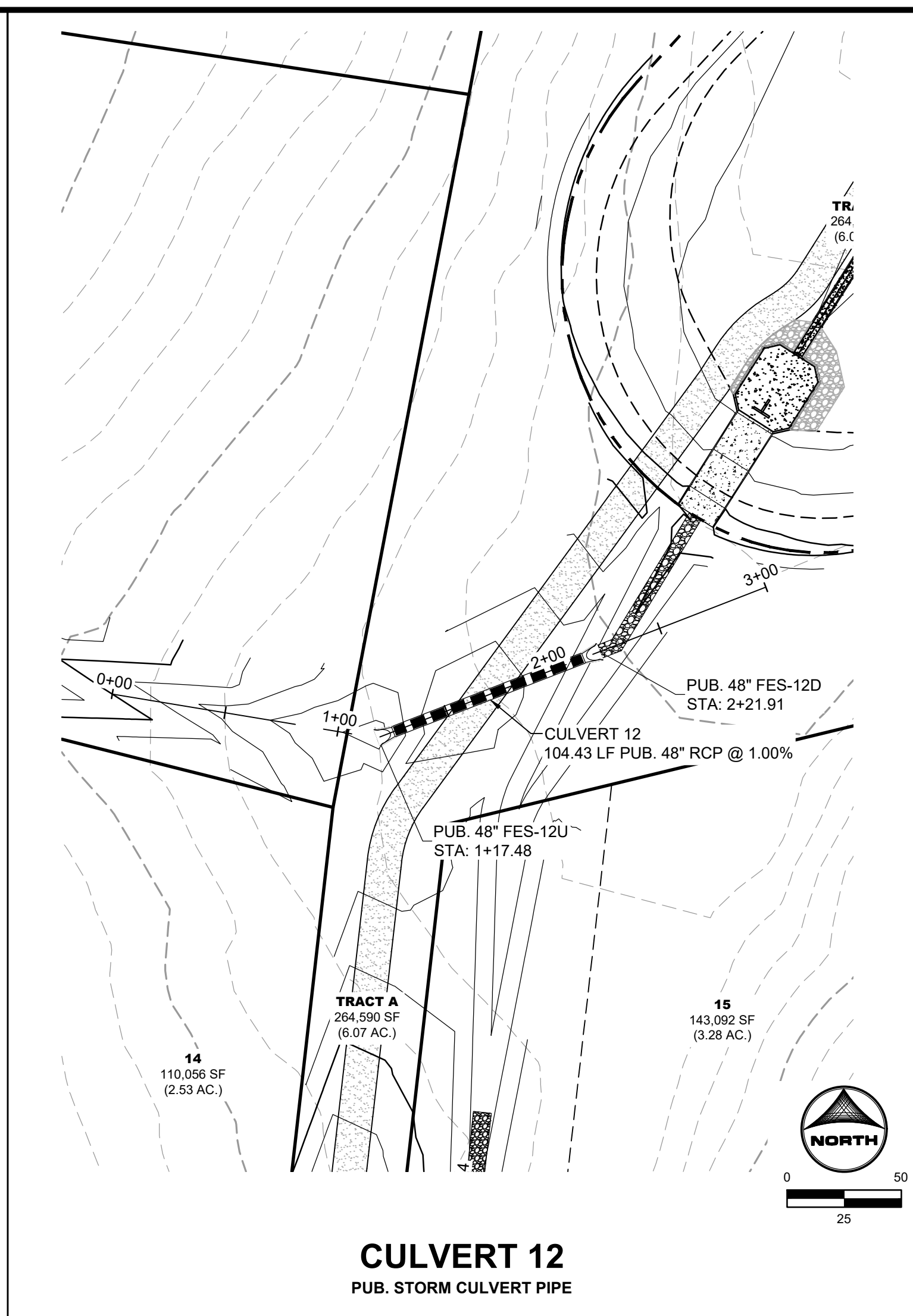
STORM SEWER PLAN & PROFILES
STORM CULVERTS



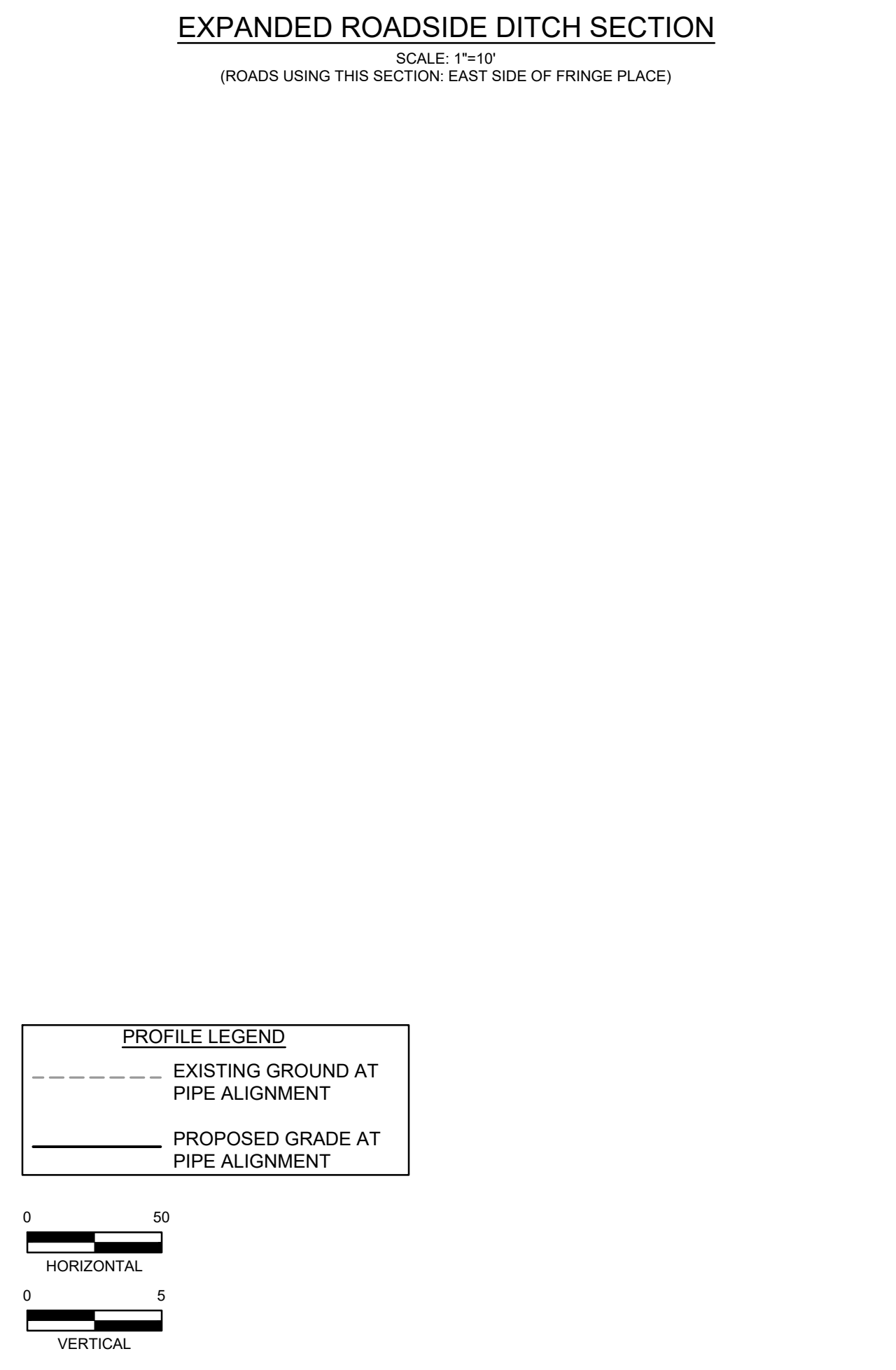
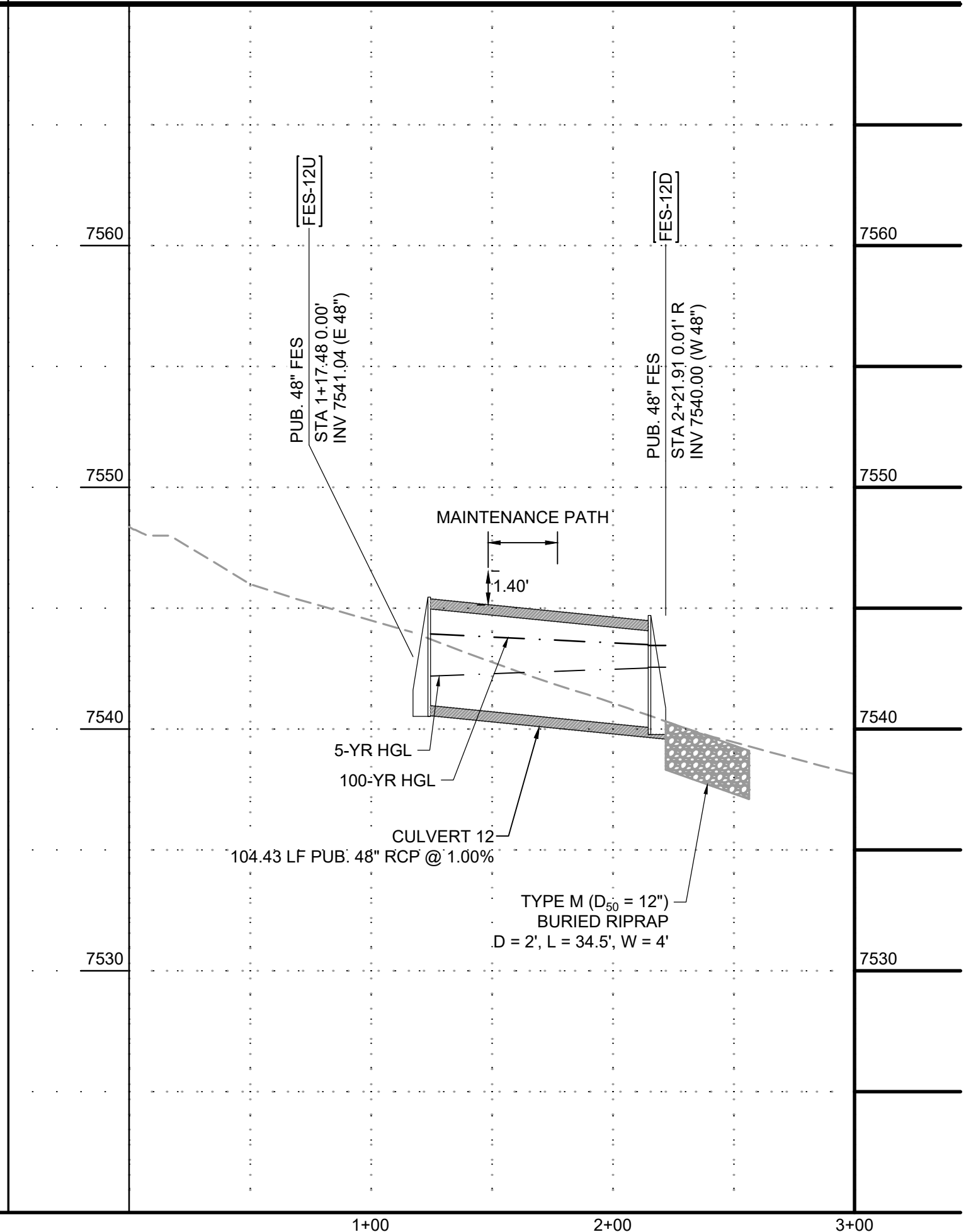
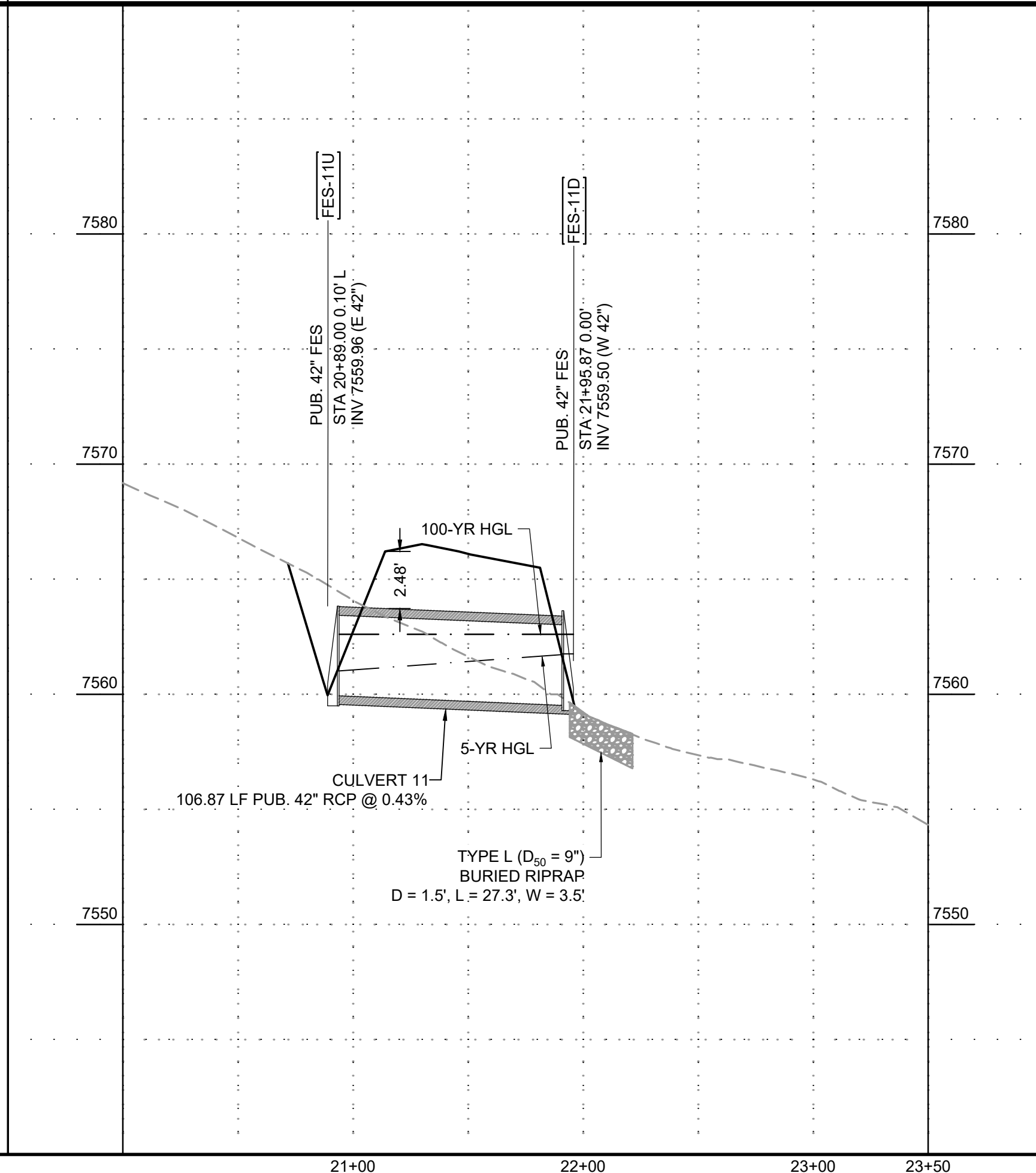
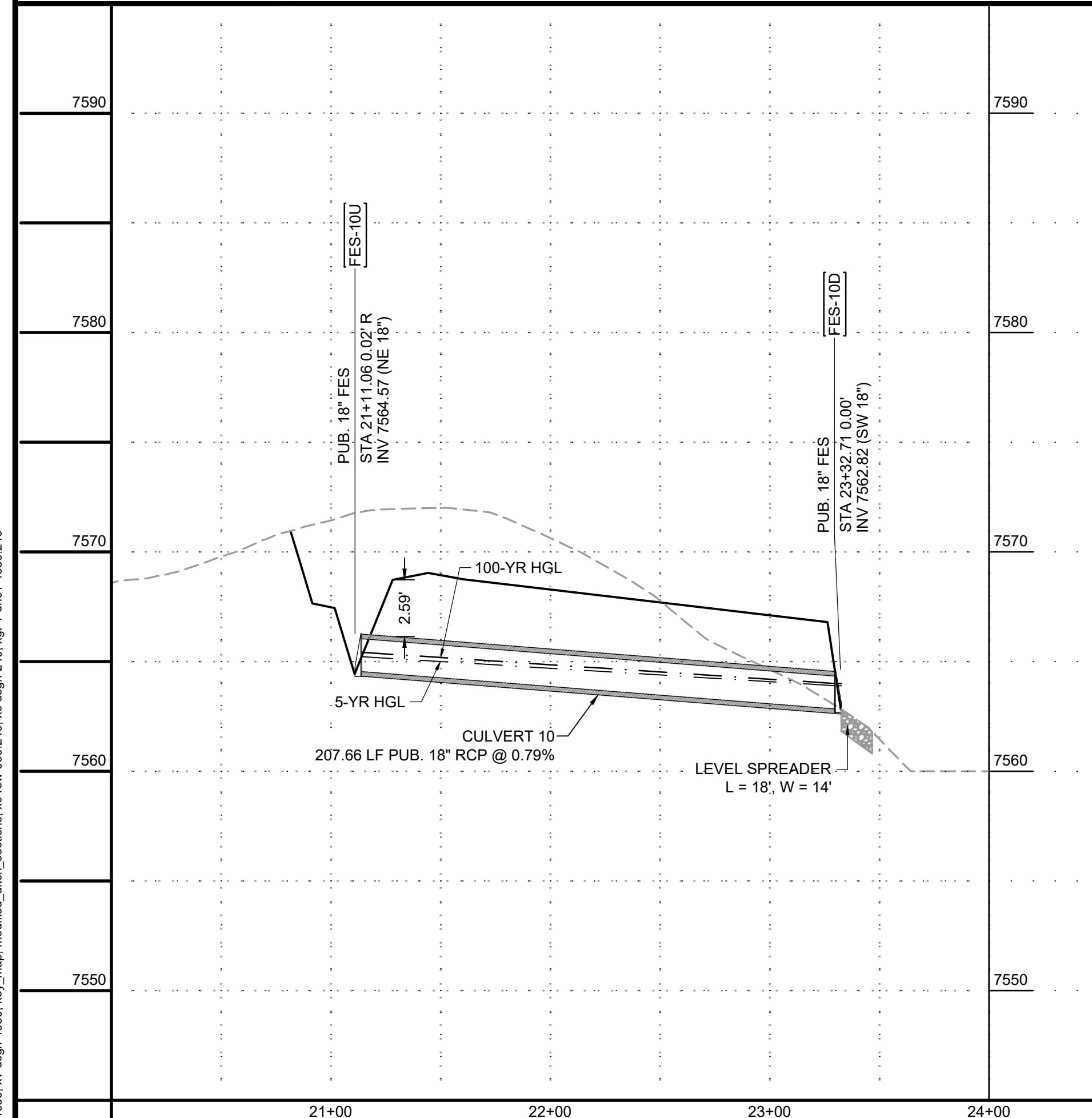
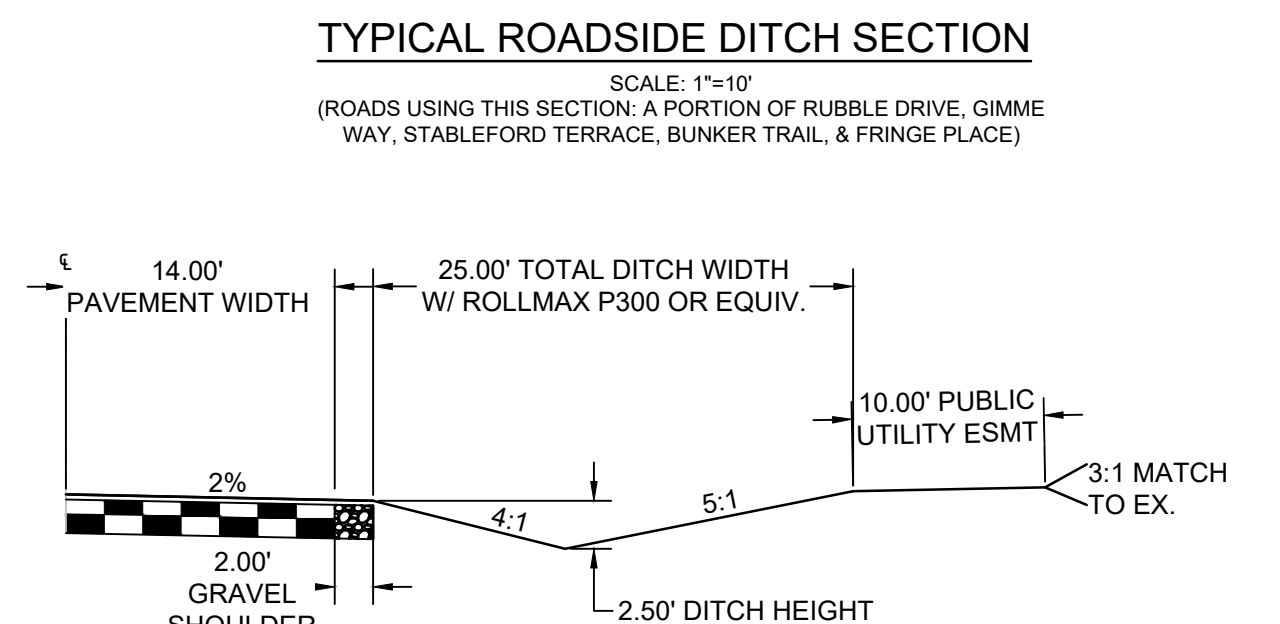
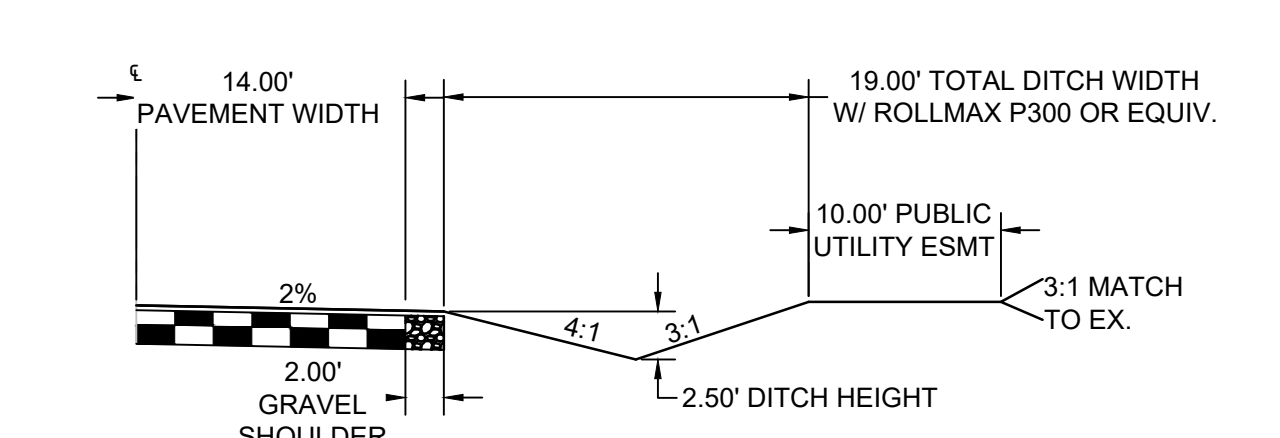
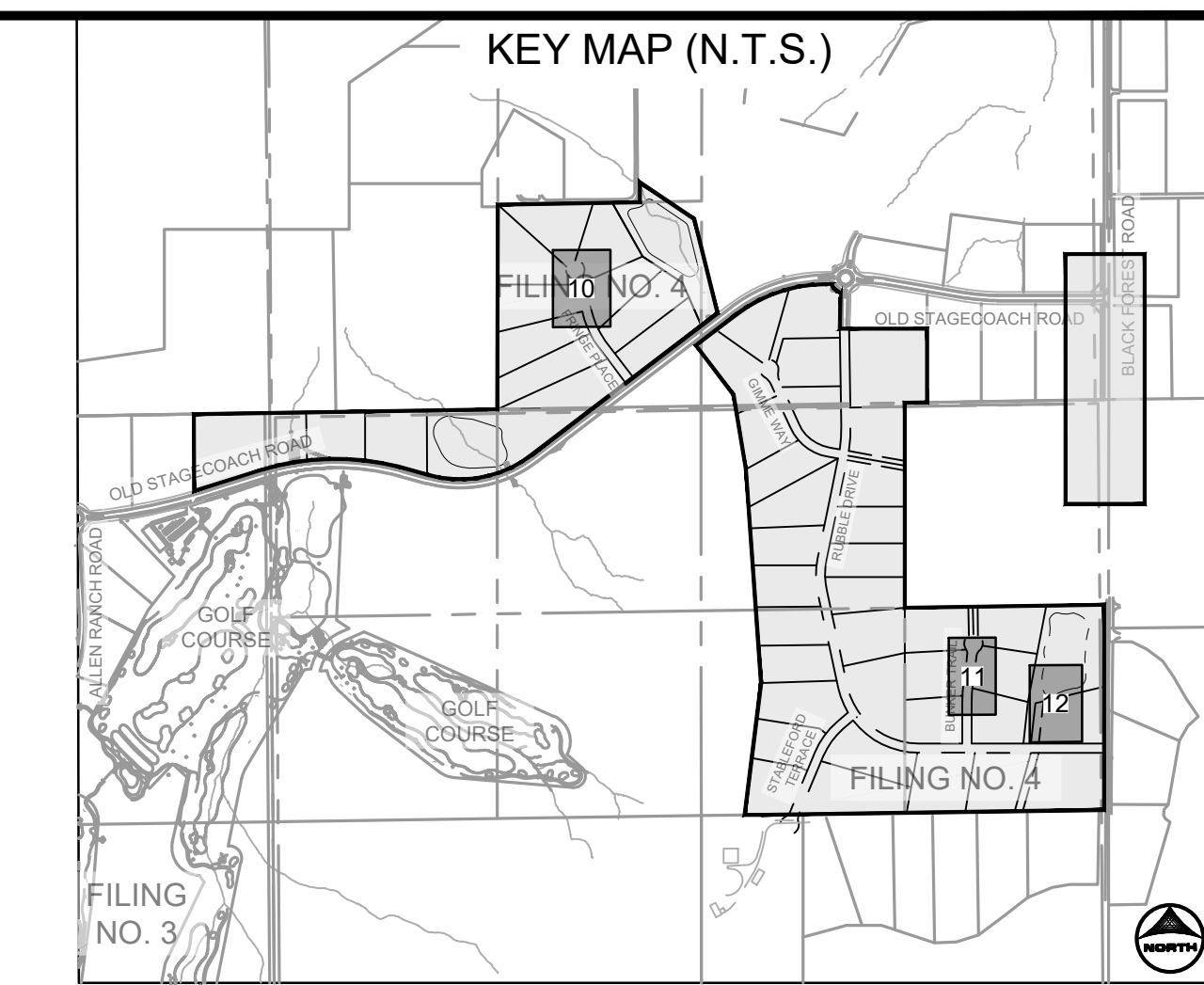
CULVERT 10
 PUB. STORM CULVERT PIPE WITHIN FRINGE PLACE
 PUB. 60' R.O.W. - RURAL LOCAL RESIDENTIAL



CULVERT 11
 PUB. STORM CULVERT PIPE WITHIN BUNKER TRAIL
 PUB. 60' R.O.W. - RURAL LOCAL RESIDENTIAL



CULVERT 12
 PUB. STORM CULVERT PIPE



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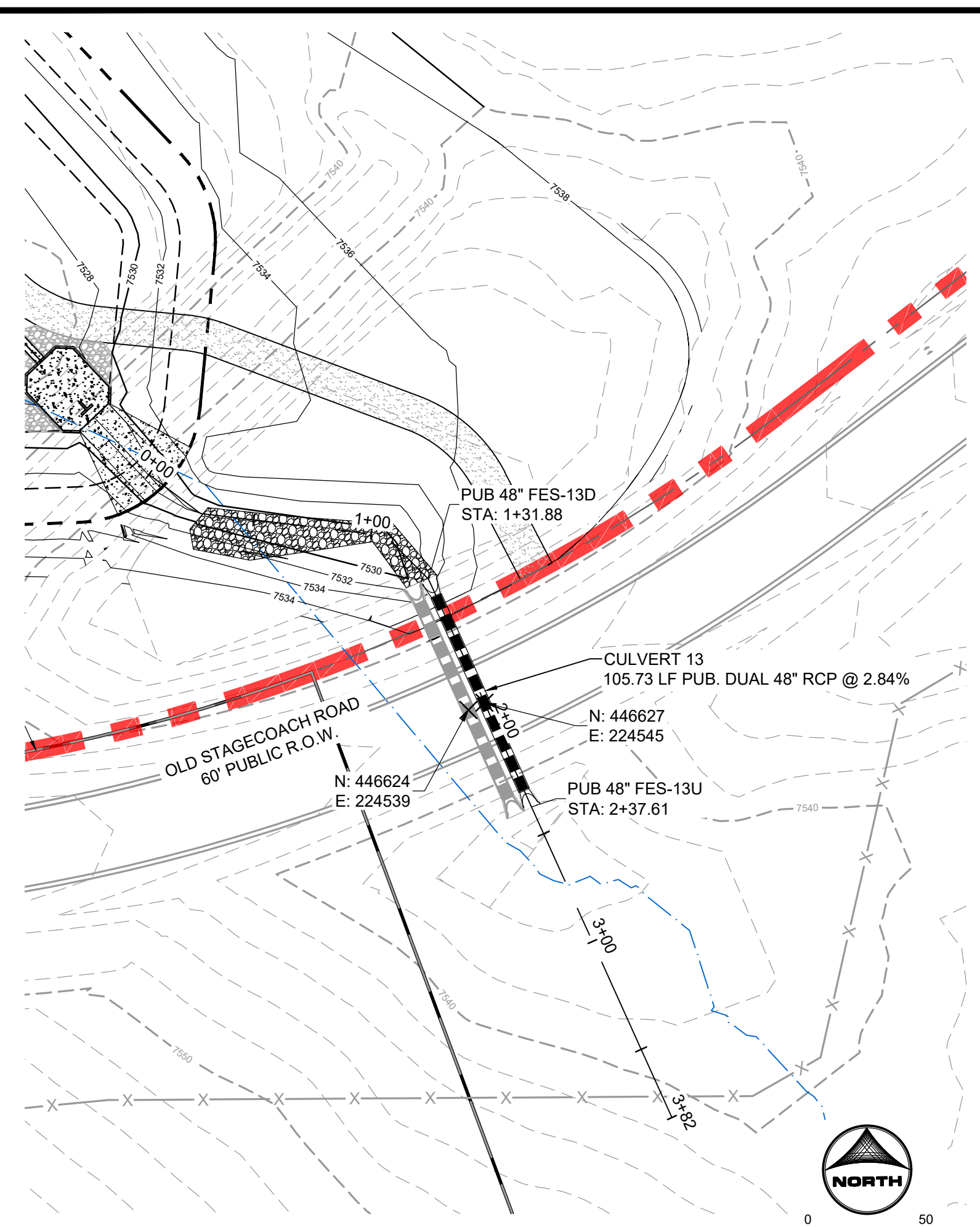
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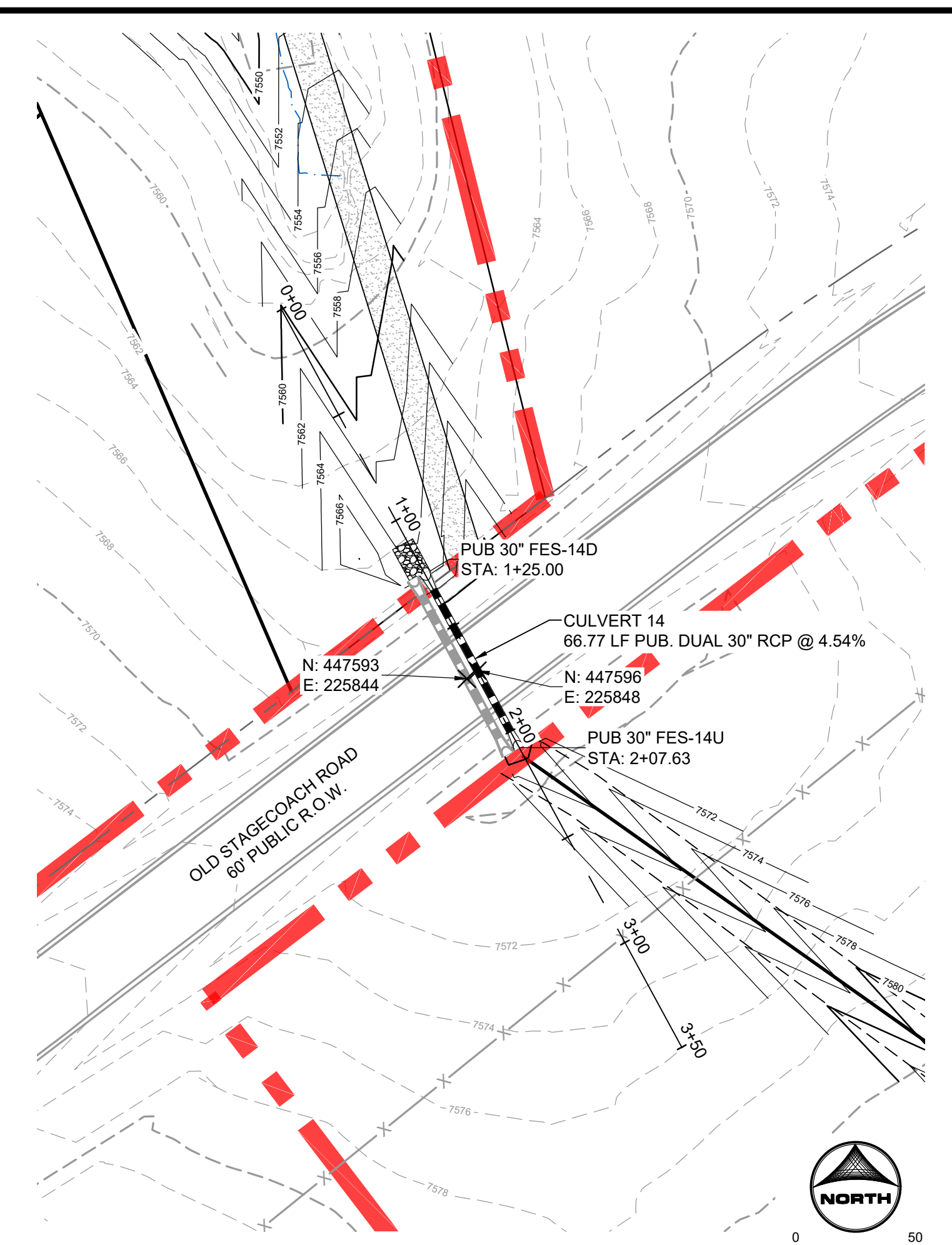
FLYING HORSE NORTH FILING 4
 PRI #2, LLC.
 EL PASO COUNTY, CO

STORM SEWER PLAN & PROFILES
 STORM CULVERTS

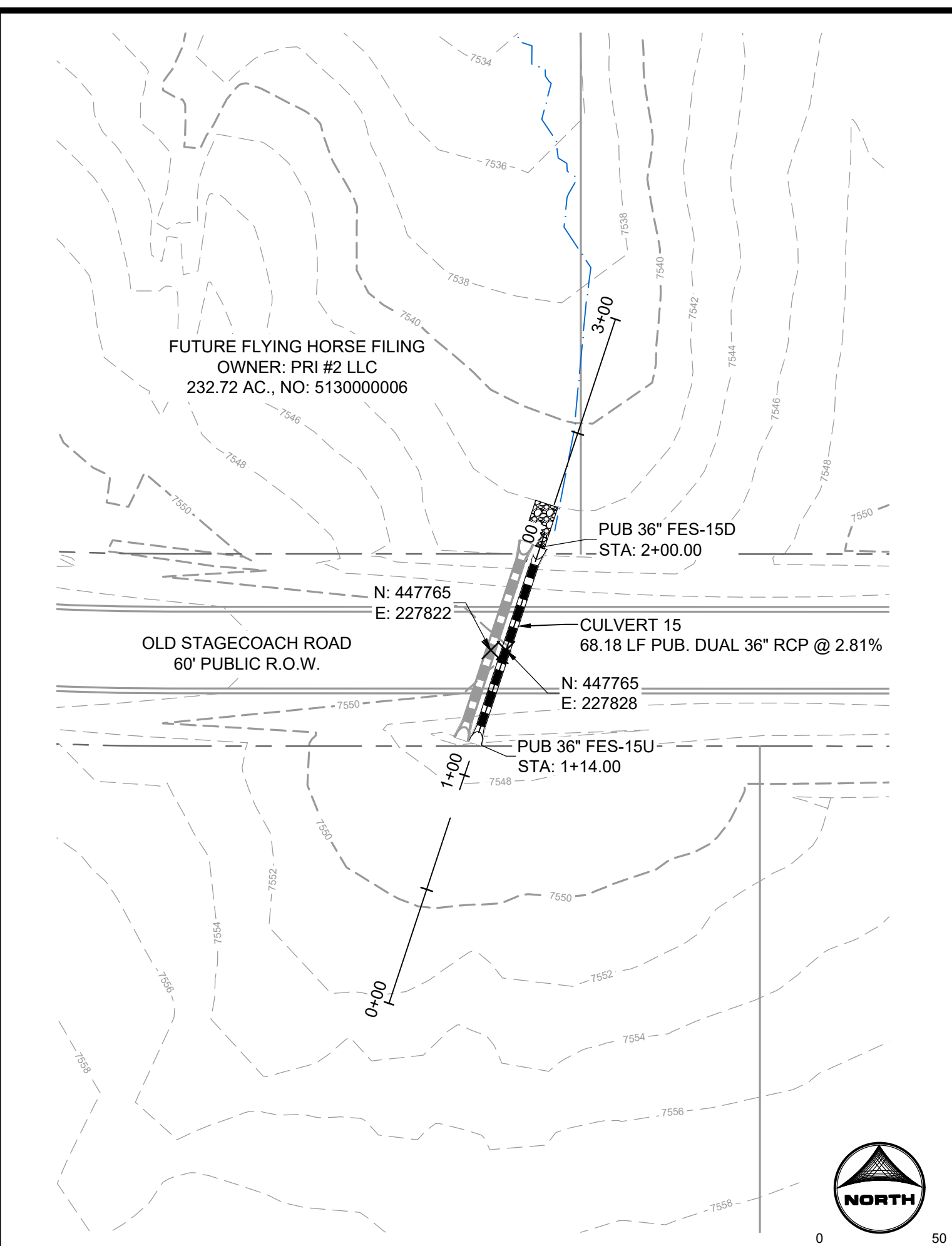
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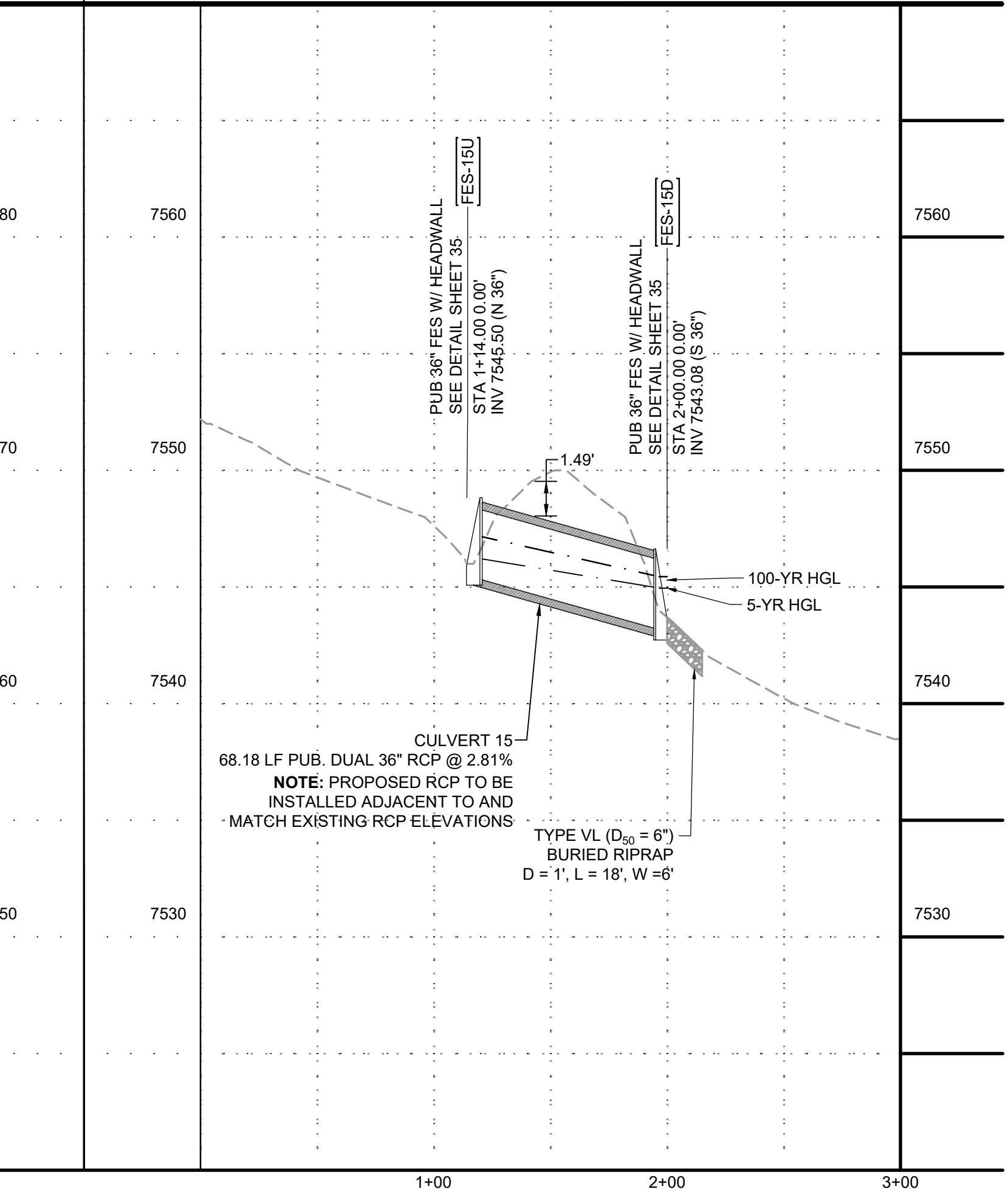
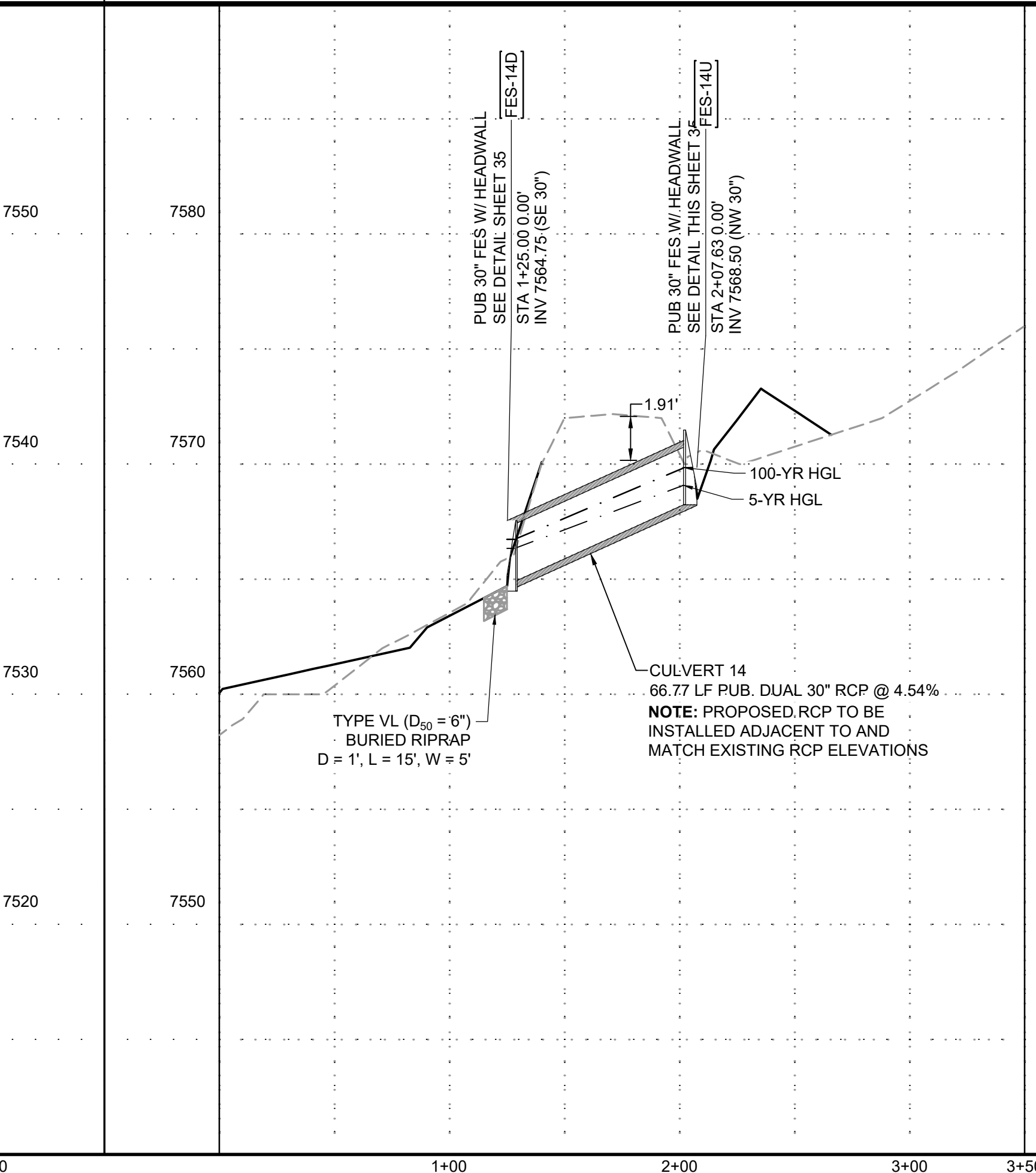
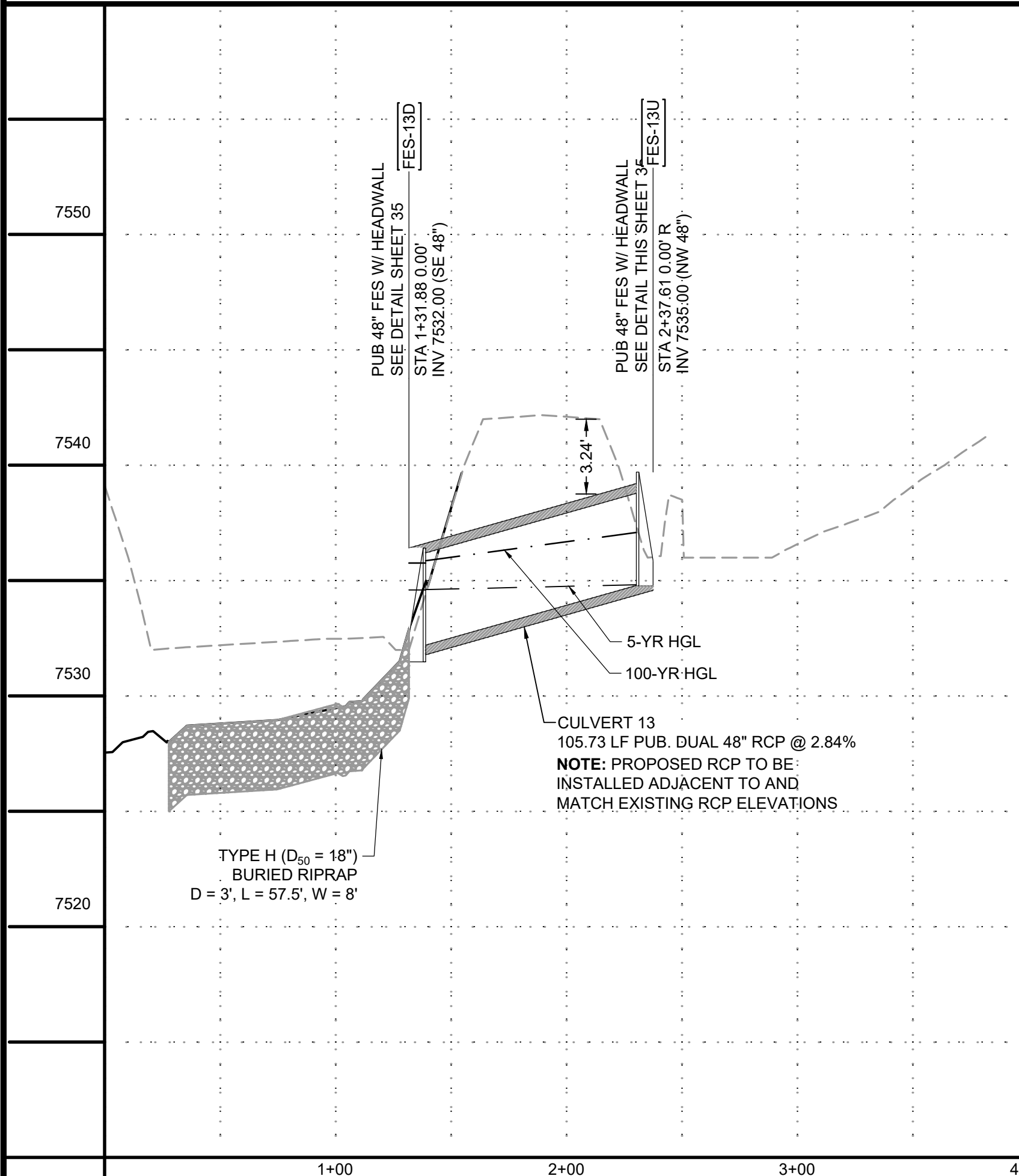
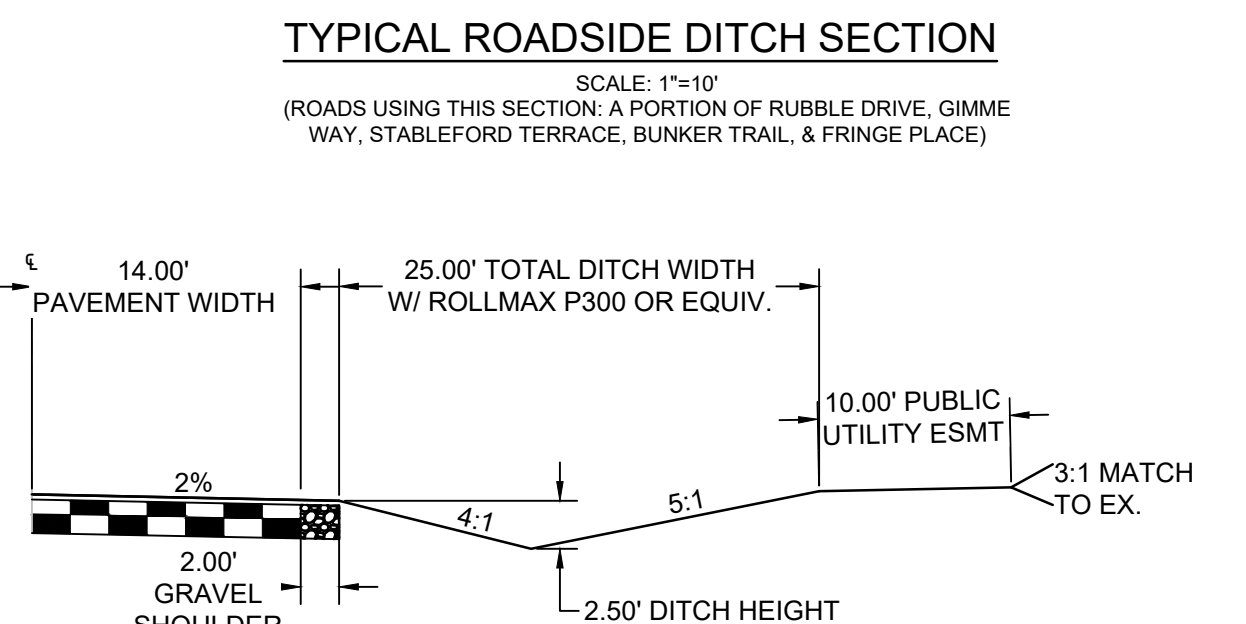
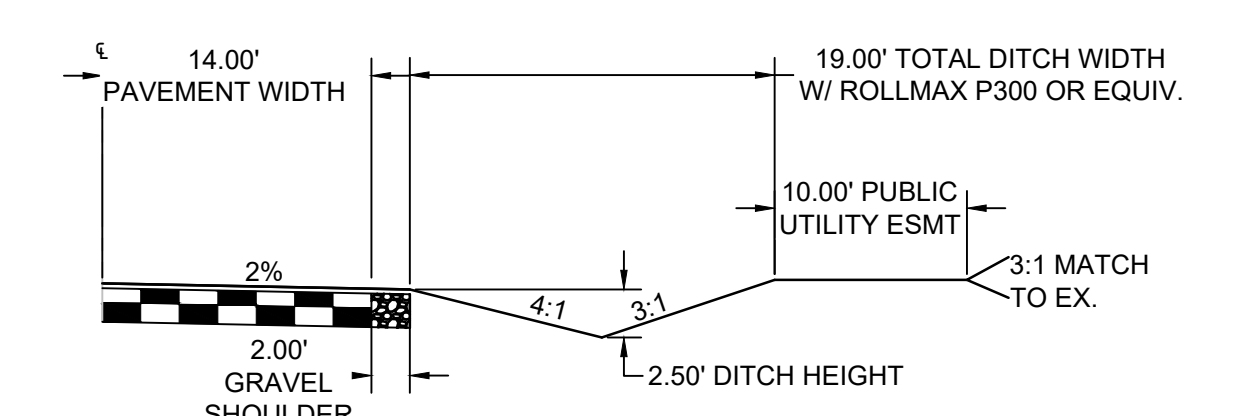
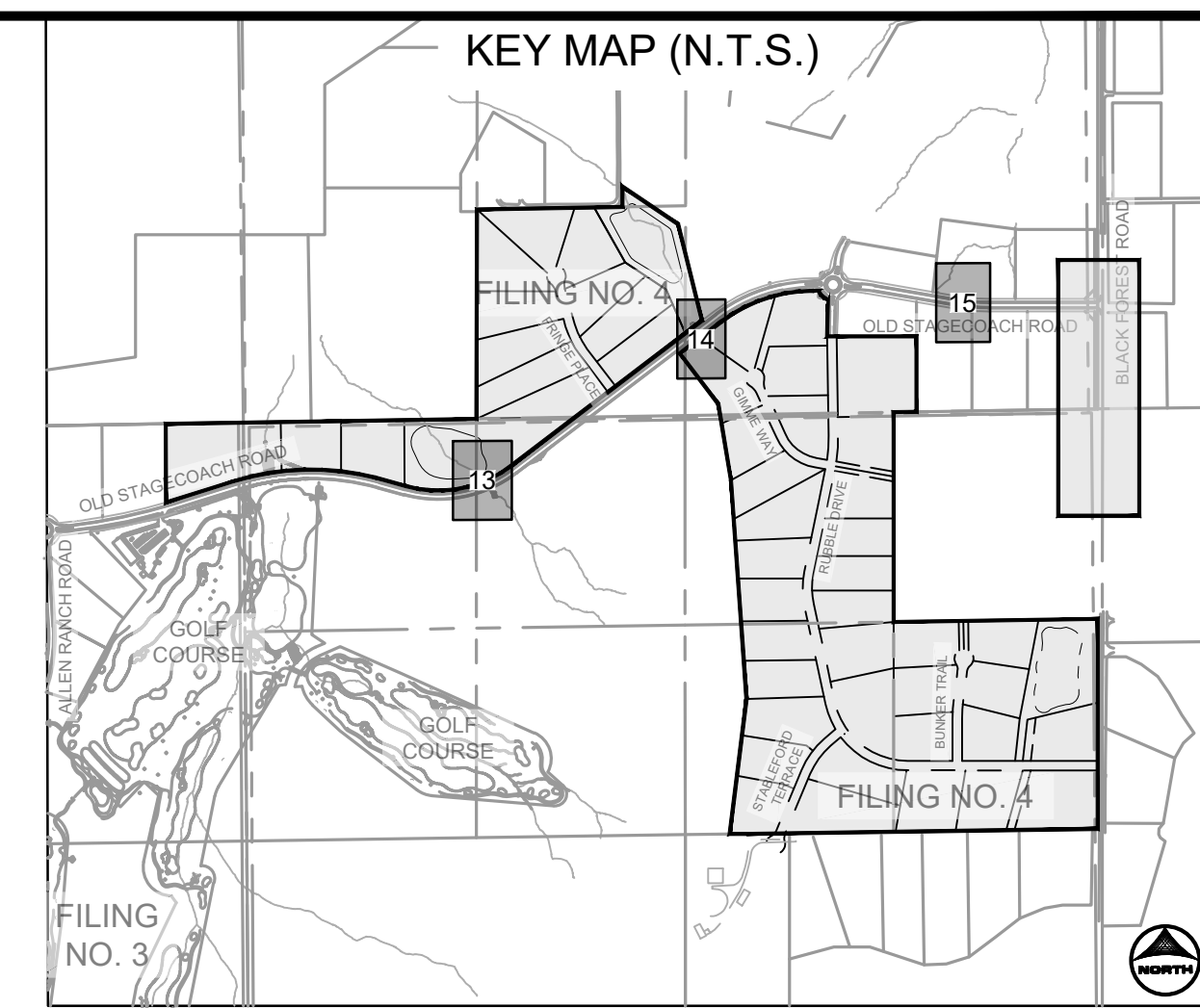
CULVERT 13
 PUB. STORM CULVERT PIPE WITHIN OLD STAGECOACH ROAD
 PUB. 80' R.O.W. - COLLECTOR



CULVERT 14
 PUB. STORM CULVERT PIPE WITHIN OLD STAGECOACH
 PUB. 80' R.O.W. - COLLECTOR



CULVERT 15
 PUB. STORM CULVERT PIPE WITHIN OLD STAGE COACH
 PUB. 80' ROW - COLLECTOR



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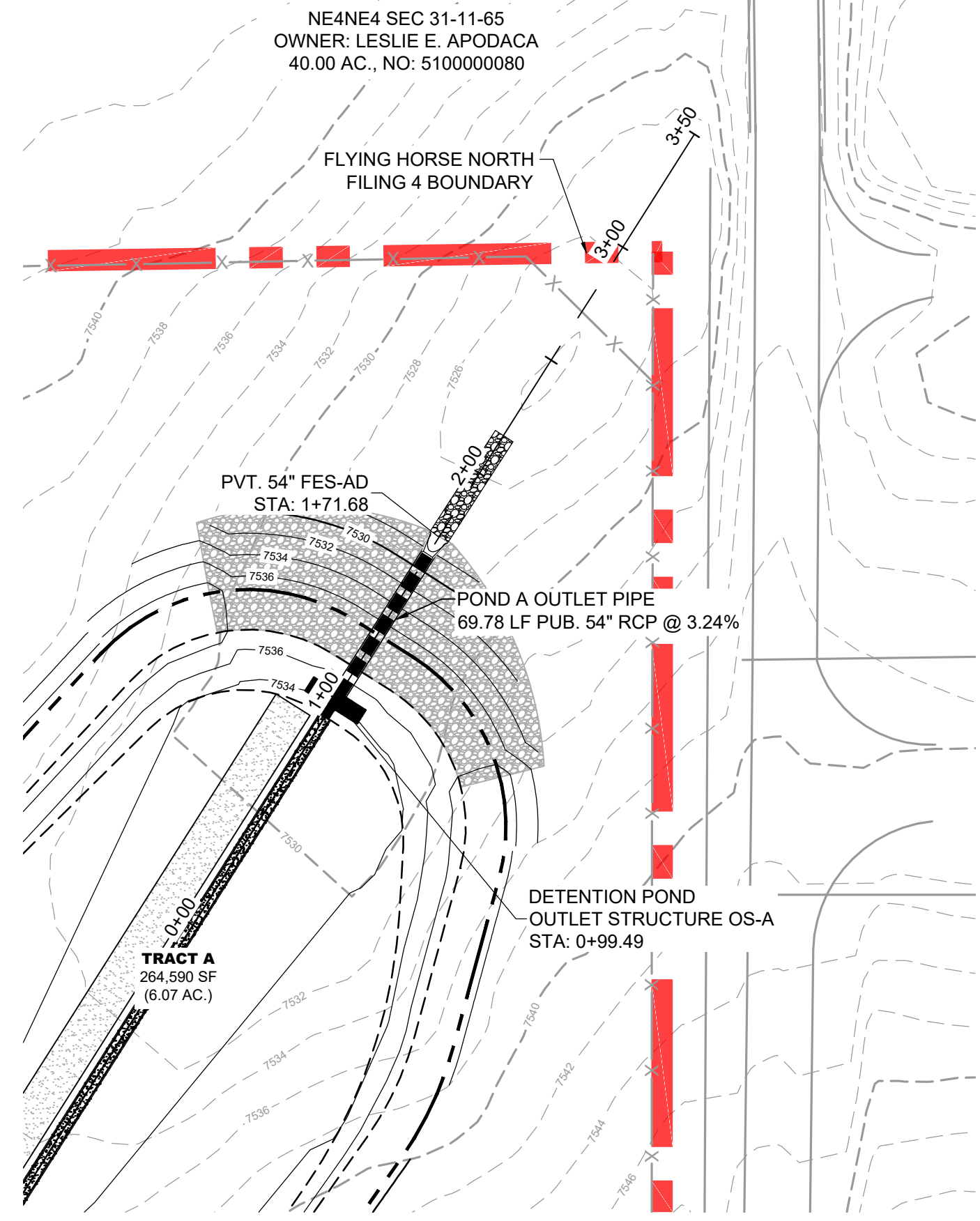
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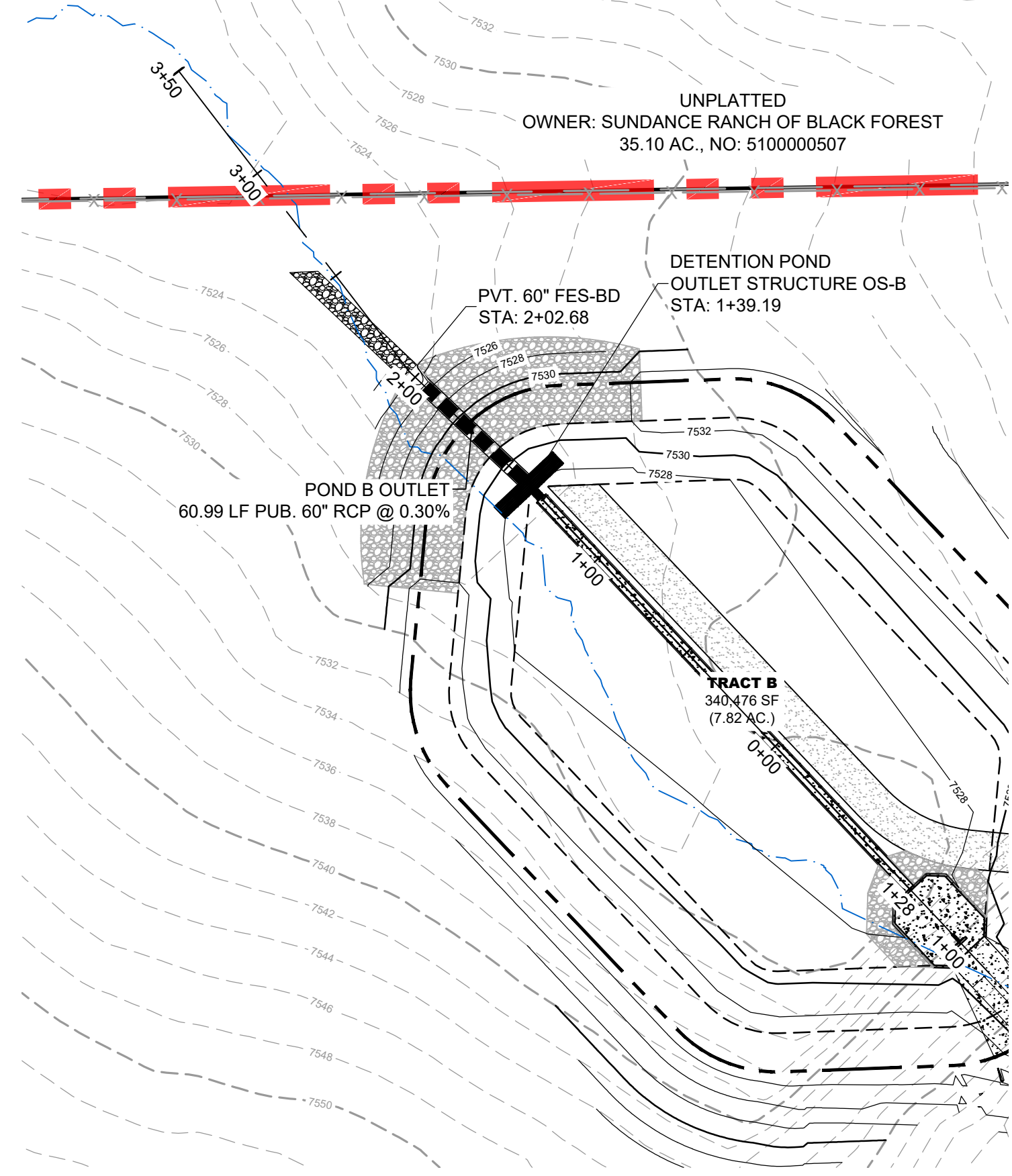
FLYING HORSE NORTH FILING 4
PRI #2, LLC.
 EL PASO COUNTY, CO

STORM SEWER PLAN & PROFILES
STORM CULVERTS

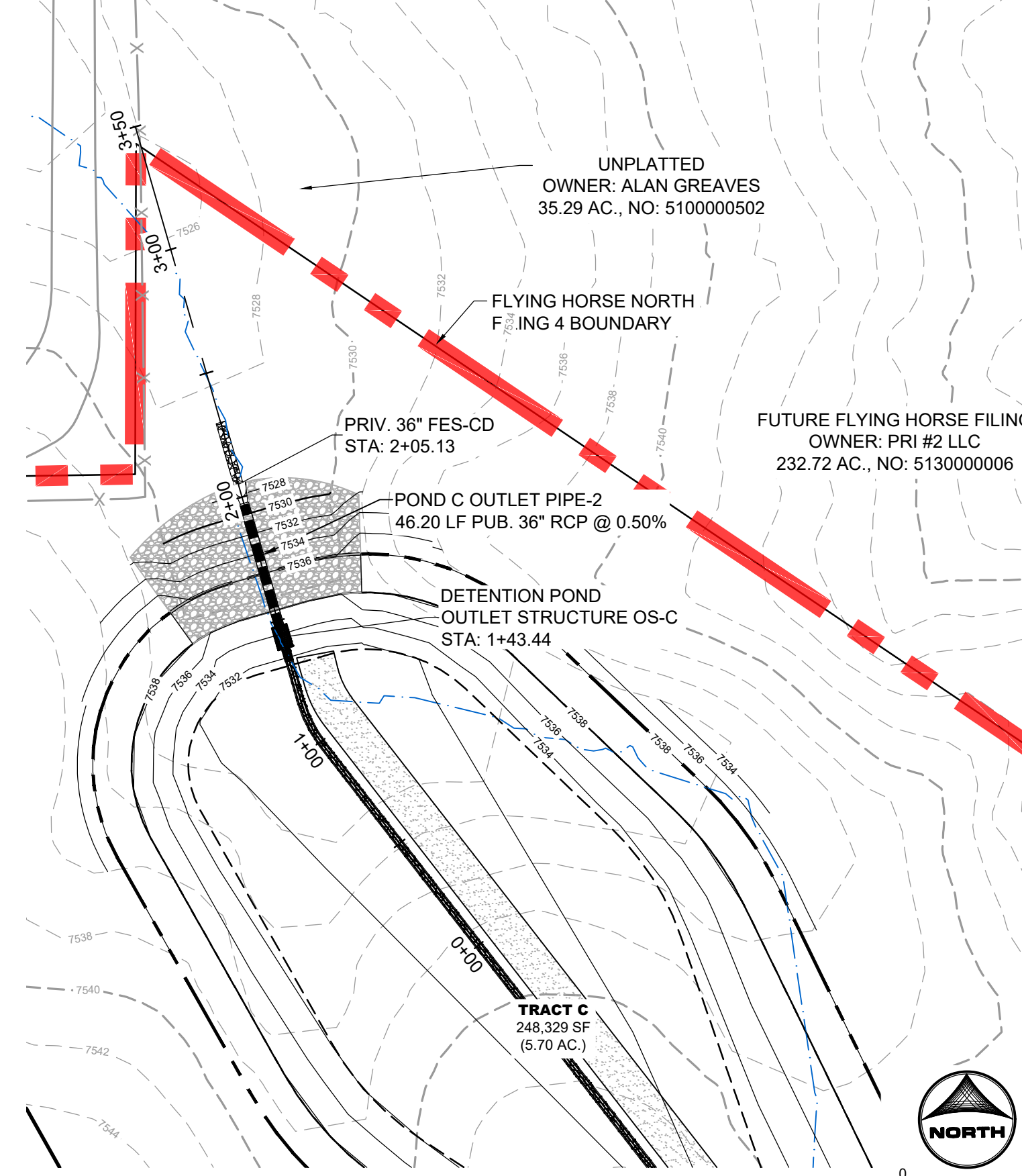
SHEET
STM **18**



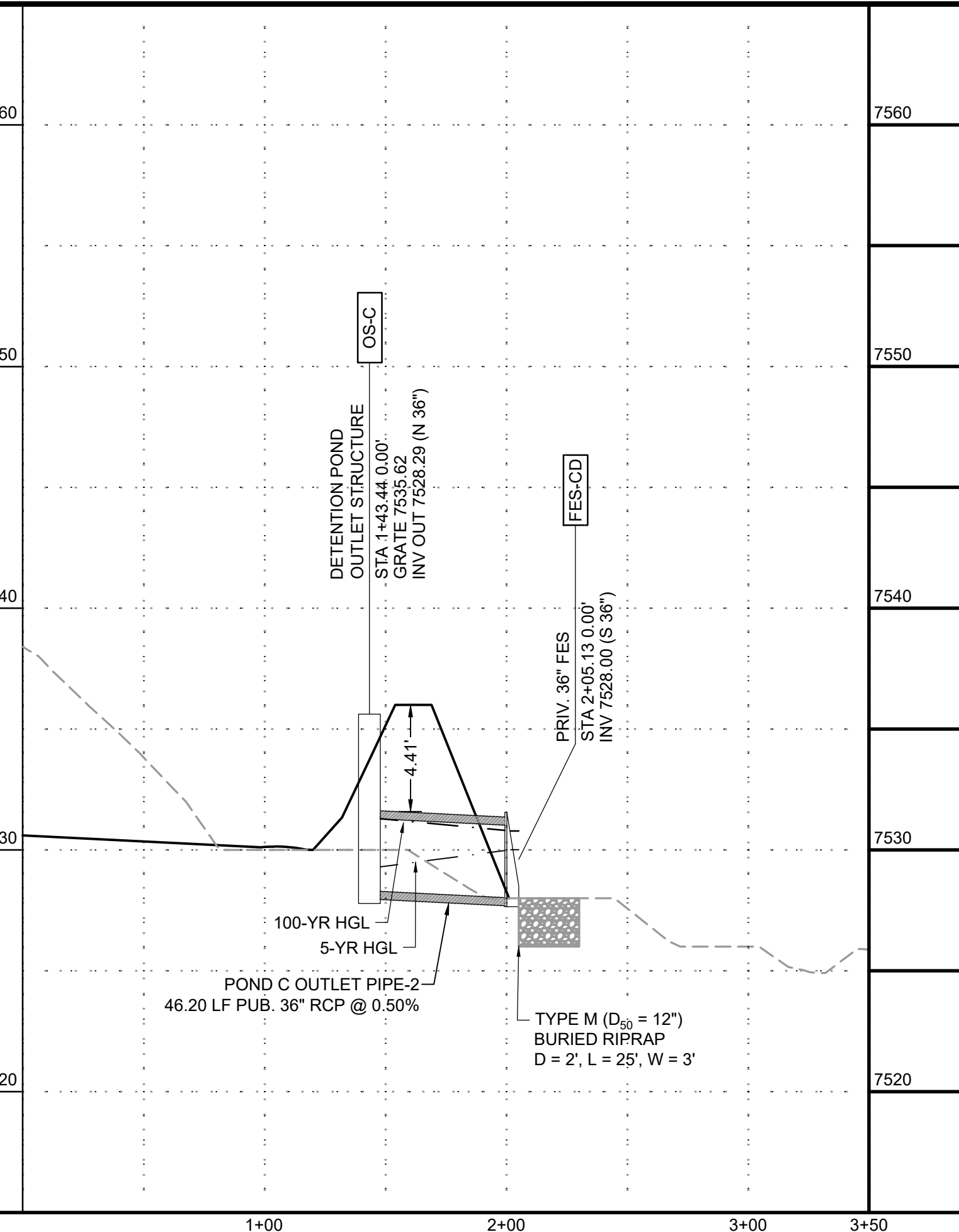
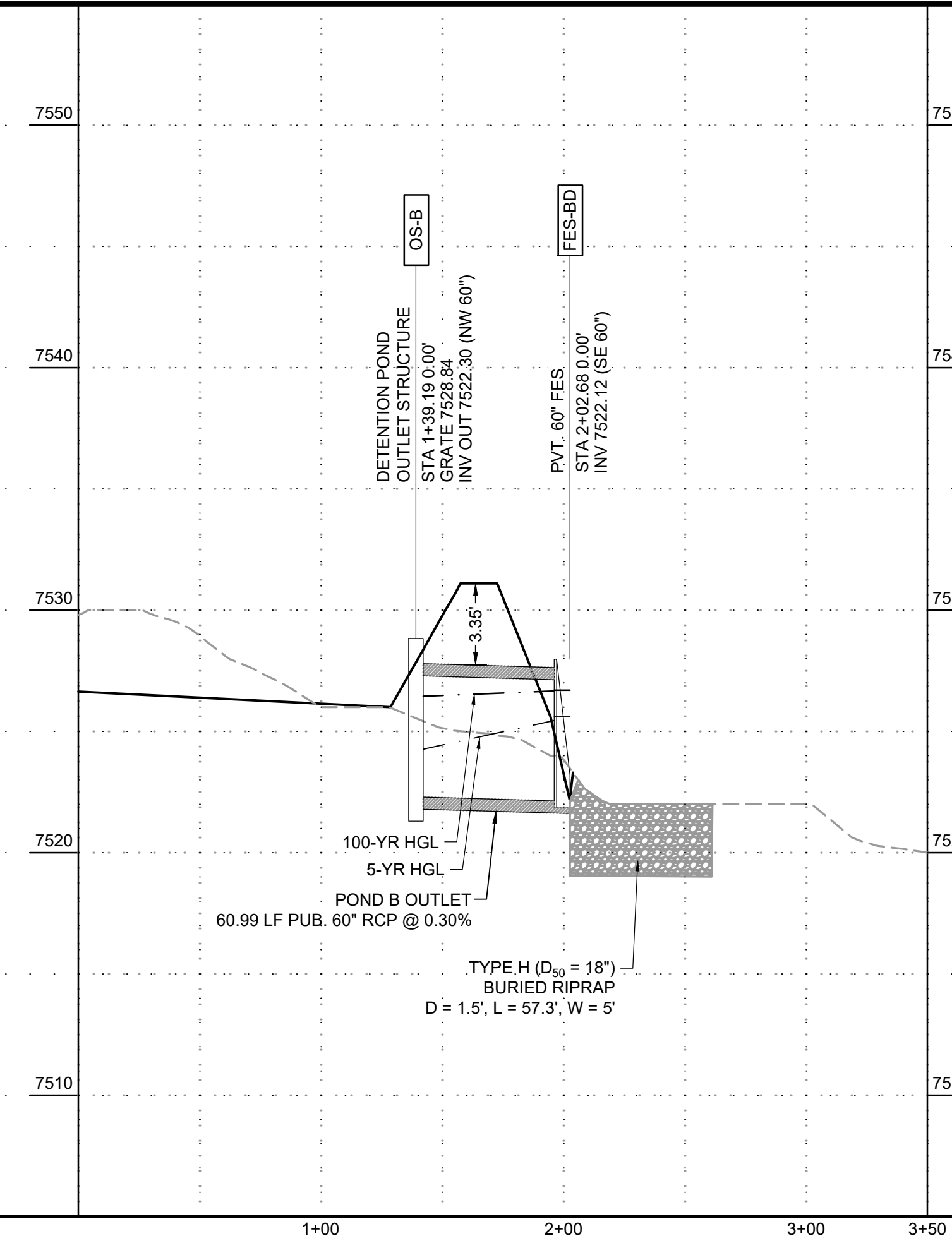
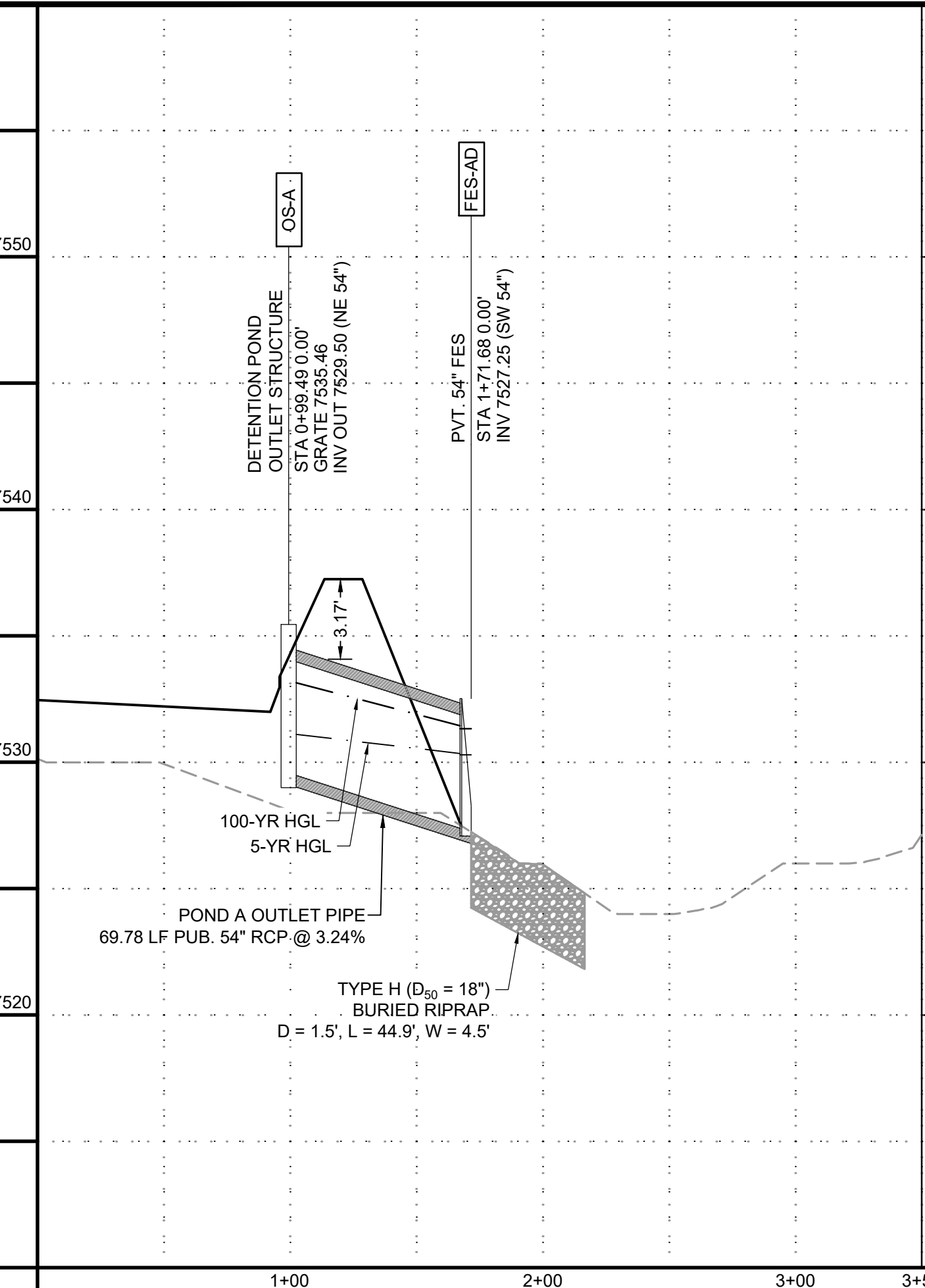
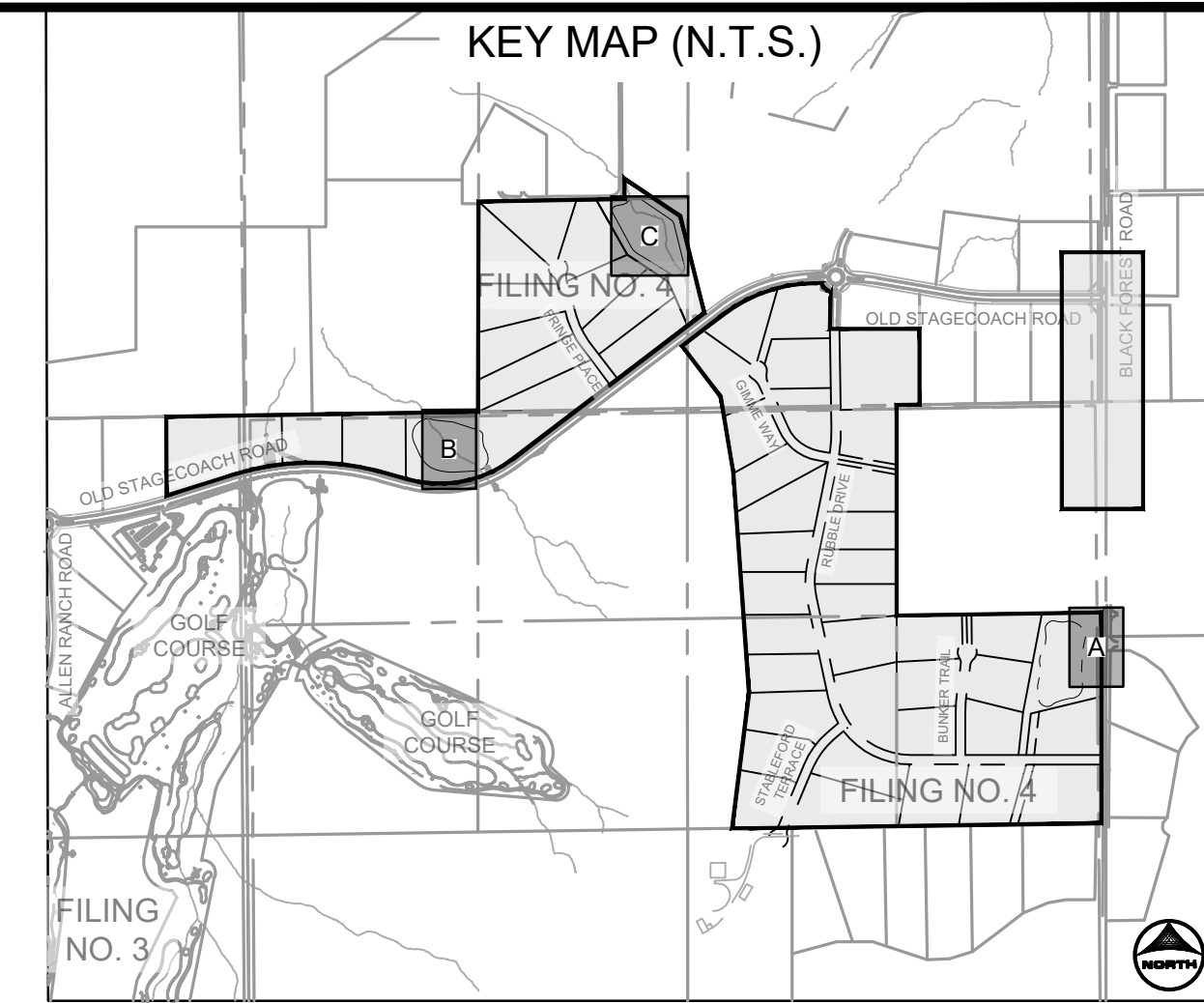
POND A OUTLET
PVT. STORM CULVERT PIPE WITHIN TRACT A



POND B OUTLET
PVT. STORM CULVERT PIPE WITHIN TRACT B

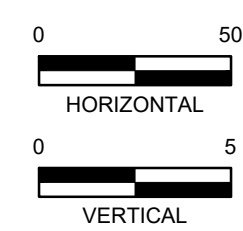


POND C OUTLET
PVT. STORM CULVERT PIPE WITHIN TRACT C



PROFILE LEGEND

- EXISTING GROUND AT PIPE ALIGNMENT
- PROPOSED GRADE AT PIPE ALIGNMENT



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NO.	DATE	BY	REVISION DESCRIPTION

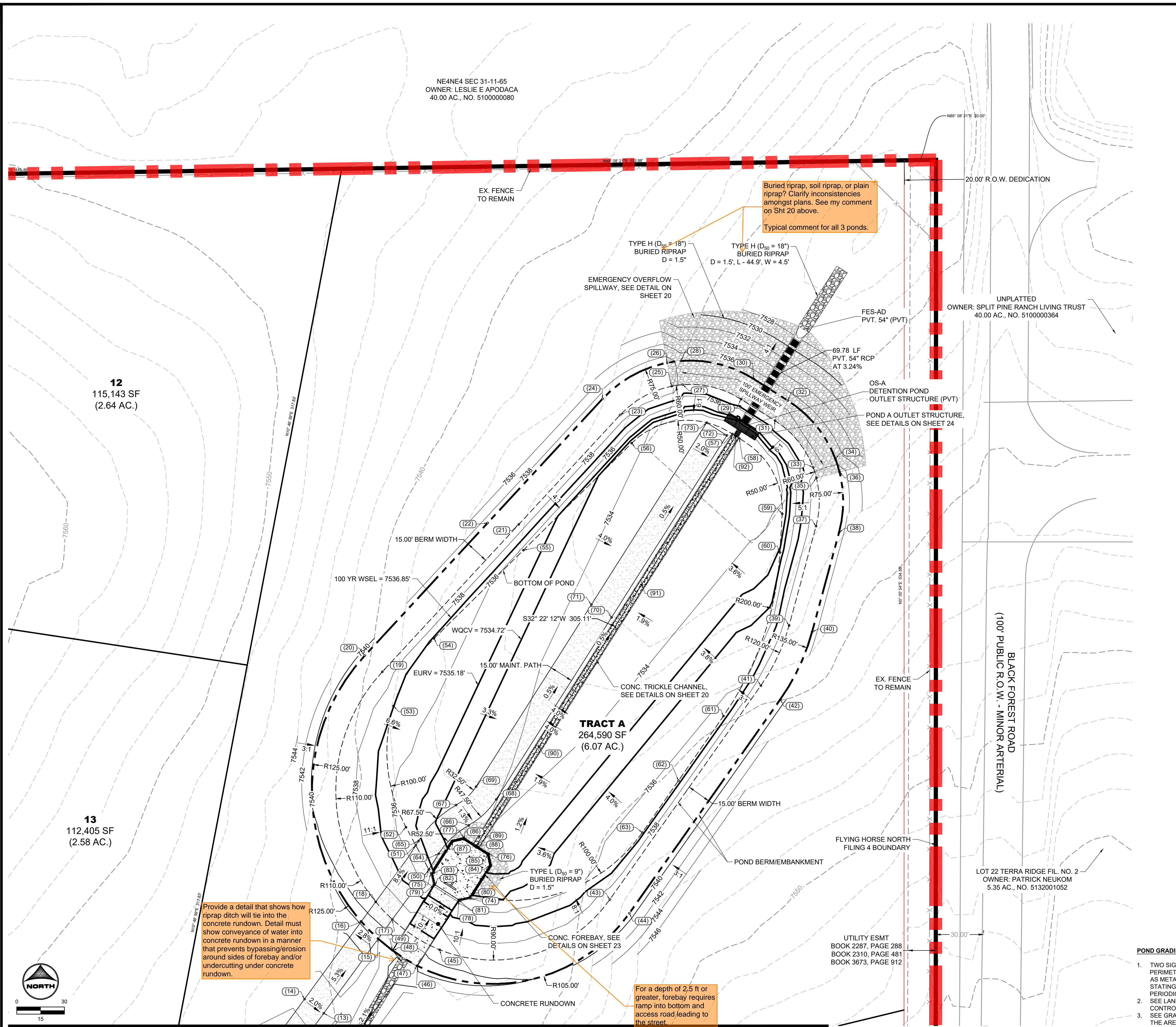
HRGreen
 HR GREEN - COLORADO SPRINGS
 1975 RESEARCH PARKWAY SUITE 160
 COLORADO SPRINGS, CO 80920
 PHONE: 719.300.4140
 FAX: 719.965.0044

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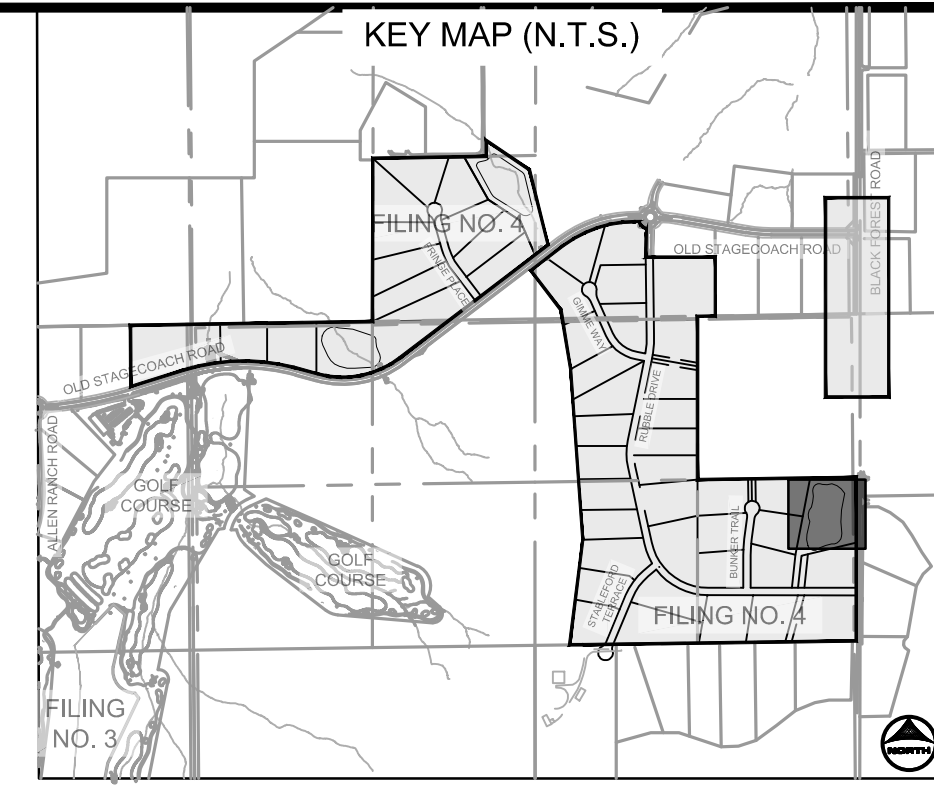
STORM SEWER PLAN & PROFILES
POND OUTLET PIPES

SHEET
STM
19

HR GREEN - COLORADO SPRINGS 1975 RESEARCH PARKWAY SUITE 160 COLORADO SPRINGS, CO 80920 PHONE: 719.300.4140 FAX: 713.965.0044



No.	DESC.	NORTHING & EASTING	ELEV.
(13)	Maint. Road	N: 445243.59 E: 227993.75	7543.03
(14)	Maint. Road	N: 445252.45 E: 227981.65	7543.33
(15)	Maint. Road/T.O.P.	N: 445290.43 E: 228028.02	7540.70
(16)	Maint. Road/T.O.P.	N: 445301.21 E: 228017.32	7540.45
(17)	Maint. Road/T.O.P.	N: 445302.59 E: 228036.92	7539.07
(18)	Maint. Road/T.O.P.	N: 445313.66 E: 228026.42	7539.10
(19)	T.O.P.	N: 445458.38 E: 228030.58	7539.00
(20)	T.O.P.	N: 445468.57 E: 228019.57	7539.00
(21)	T.O.P.	N: 445511.13 E: 228116.46	7539.00
(22)	T.O.P.	N: 445552.03 E: 228096.85	7539.00
(23)	T.O.P.	N: 445619.98 E: 228180.22	7539.00
(24)	T.O.P.	N: 445630.18 E: 228169.21	7539.00
(25)	Spillway	N: 445638.10 E: 228212.70	7539.00
(26)	Spillway	N: 445652.82 E: 228209.82	7539.00
(27)	Spillway Crest	N: 445639.04 E: 228219.64	7537.25
(28)	Spillway Crest	N: 445654.00 E: 228218.49	7537.25
(29)	Spillway Crest	N: 445629.89 E: 228256.37	7537.25
(30)	Spillway Crest	N: 445642.56 E: 228264.40	7537.25
(31)	Spillway Crest	N: 445616.36 E: 228277.71	7537.25
(32)	Spillway Crest	N: 445629.03 E: 228285.74	7537.25
(33)	Spillway Crest	N: 445687.05 E: 228301.66	7537.25
(34)	Spillway Crest	N: 445692.39 E: 228315.67	7537.25
(35)	Spillway	N: 445680.38 E: 228303.76	7539.00
(36)	Spillway	N: 445684.05 E: 228318.31	7539.00
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(41)	T.O.P.	N: 445449.70 E: 228268.78	7539.00
(42)	T.O.P.	N: 445441.05 E: 228281.03	7539.00
(43)	T.O.P.	N: 445315.08 E: 228173.75	7539.00
(44)	T.O.P.	N: 445283.48 E: 228186.00	7539.00
(45)	T.O.P.	N: 445273.15 E: 228052.77	7541.00
(46)	Rundown T.O.W.	N: 445273.42 E: 228052.35	7539.00
(47)	Rundown	N: 445282.96 E: 228037.30	7539.00
(48)	Rundown	N: 445283.21 E: 228036.87	7541.00
(49)	Rundown T.O.W.	N: 445334.07 E: 228059.84	7535.28
(50)	Maint. Road/B.O.P.	N: 445349.19 E: 228051.66	7535.37
(51)	Maint. Road/B.O.P.	N: 445360.62 E: 228045.48	7535.45
(52)	B.O.P.	N: 445436.87 E: 228037.63	7536.91
(53)	B.O.P.	N: 445479.32 E: 228063.13	7536.71
(54)	B.O.P.	N: 445534.90 E: 228119.35	7535.62
(55)	B.O.P.	N: 445602.26 E: 228187.48	7534.29
(56)	B.O.P.	N: 445607.98 E: 228250.90	7532.58
(57)	B.O.P.	N: 445605.29 E: 228255.14	7532.58



No.	DESC.	NORTHING & EASTING	ELEV.
(59)	B.O.P.	N: 445557.74 E: 228282.20	7534.18
(60)	B.O.P.	N: 445533.48 E: 228280.82	7534.76
(61)	B.O.P.	N: 445430.51 E: 228245.24	7536.30
(62)	B.O.P.	N: 445389.94 E: 228216.97	7536.46
(63)	B.O.P.	N: 445357.32 E: 228194.25	7536.58
(64)	Maint. Road	N: 445343.93 E: 228066.08	7534.94
(65)	Maint. Road	N: 445351.96 E: 228053.41	7535.27
(66)	Maint. Road	N: 445361.80 E: 228084.95	7534.29
(67)	Maint. Road	N: 445374.53 E: 228077.00	7534.48
(68)	Maint. Road	N: 445378.12 E: 228102.24	7534.02
(69)	Maint. Road	N: 445386.15 E: 228089.57	7534.33
(70)	Maint. Road	N: 445492.61 E: 228174.81	7533.35
(71)	Maint. Road	N: 445500.64 E: 228162.14	7533.65
(72)	End Maint. Road	N: 445607.10 E: 228247.38	7532.64
(73)	End Maint. Road	N: 445615.13 E: 228234.71	7533.21
(74)	B.O.P./F.B. Outer	N: 445315.77 E: 228086.10	7535.27
(75)	B.O.P./F.B. Outer	N: 445311.55 E: 228061.20	7535.27
(76)	Forebay Outer	N: 445343.99 E: 228097.49	7534.31
(77)	Forebay Outer	N: 445353.89 E: 228081.86	7534.31
(78)	T.O.W.	N: 445314.12 E: 228078.74	7535.87
(79)	T.O.W.	N: 445324.19 E: 228062.85	7535.87
(80)	Forebay	N: 445316.51 E: 228085.58	7533.87
(81)	Forebay	N: 445314.96 E: 228078.68	7533.87
(82)	Forebay	N: 445324.50 E: 228063.63	7533.87
(83)	Forebay	N: 445331.40 E: 228062.09	7533.87
(84)	Forebay	N: 445336.57 E: 228098.29	7533.63
(85)	Forebay	N: 445353.01 E: 228081.70	7533.59
(86)	Forebay	N: 445351.46 E: 228074.80	7533.63
(87)	Forebay	N: 445351.46 E: 228074.80	7533.63
(88)	Forebay Inner Notch	N: 445348.24 E: 228089.23	7533.53
(89)	T.C. Flow Line	N: 445348.94 E: 228089.67	7533.53
(90)	T.C. Flow Line	N: 445411.26 E: 228129.18	7533.16
(91)	T.C. Flow Line	N: 445513.14 E: 228193.76	7532.55
(92)	T.C. Flow Line	N: 445606.64 E: 228253.02	7532.00

- 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 SHEET 2.

ABBREVIATIONS:
T.O.W. - TOP OF WALL
B.O.P. - BOTTOM OF POND
T.O.P. - TOP OF POND
T.C. - TRICKLE CHANNEL
G.B. - GRADE BREAK

DRAWN BY: CMD JOB DATE: 11/11/24
APPROVED: RDL JOB NUMBER: 211030.240
CAD DATE: 8/19/2024
CAD FILE: J:\2021\211030\CAD\Drawings\C\Filing_No_4\Storm_PNP

NO.	DATE	BY	REVISION DESCRIPTION

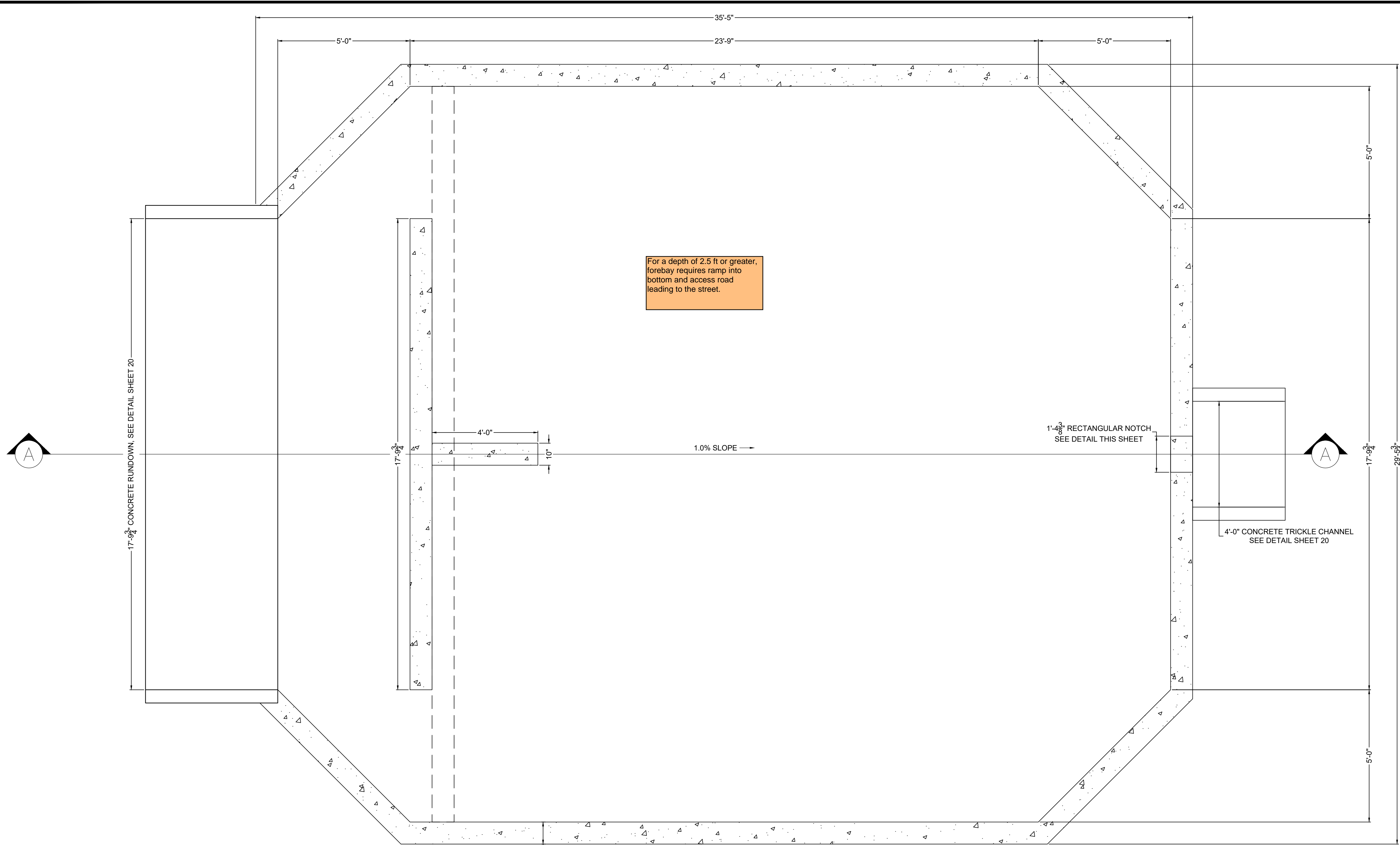
HRGreen
HR GREEN - COLORADO SPRINGS
1975 RESEARCH PARKWAY SUITE 160
COLORADO SPRINGS, CO 80920
PHONE: 719.300.4140
FAX: 713.965.0044

**FLYING HORSE NORTH FILING 4
PRI #2, LLC.
EL PASO COUNTY, CO**

**DRAINAGE DETAILS
POND A GRADING PLAN**

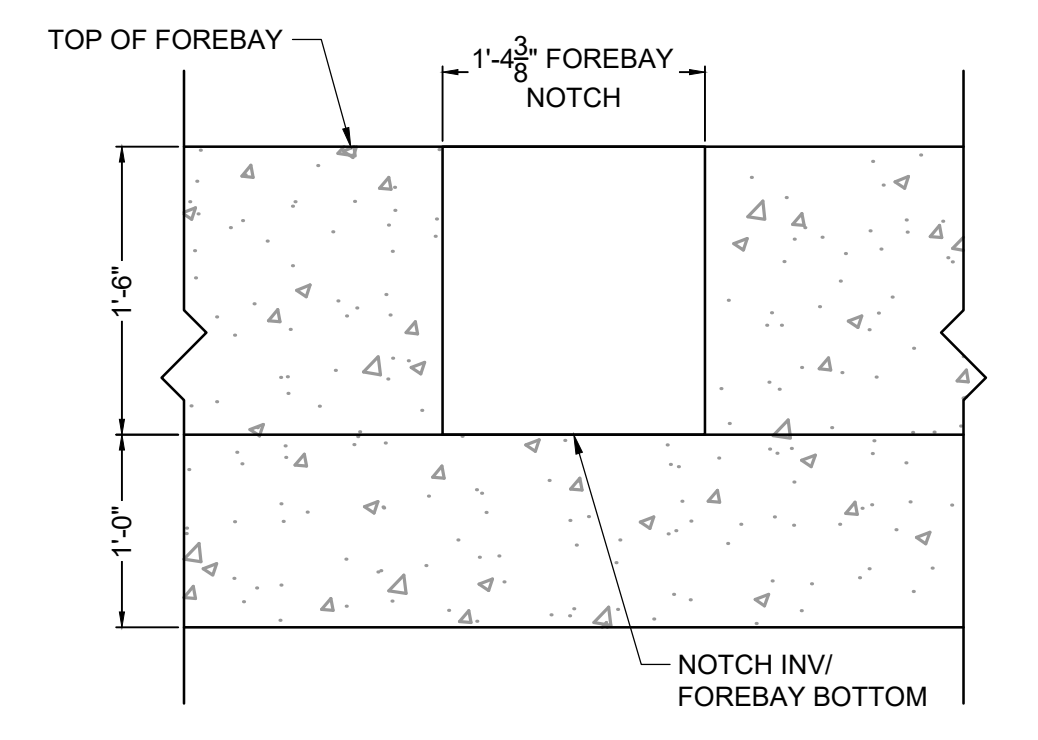
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PND
22**

PCD FILE NO.: SF2422

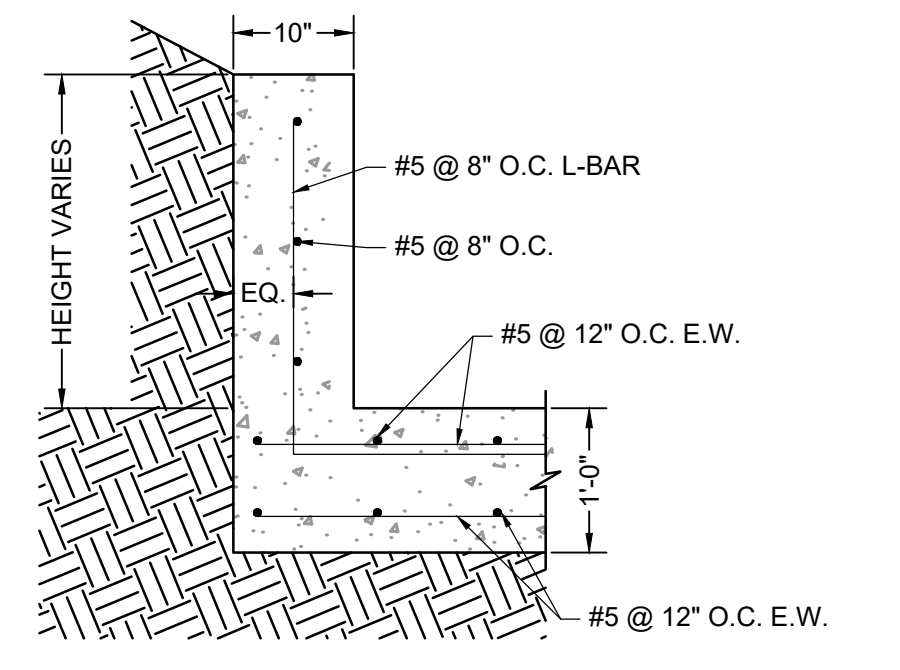


For a depth of 2.5 ft or greater, forebay requires ramp into bottom and access road leading to the street.

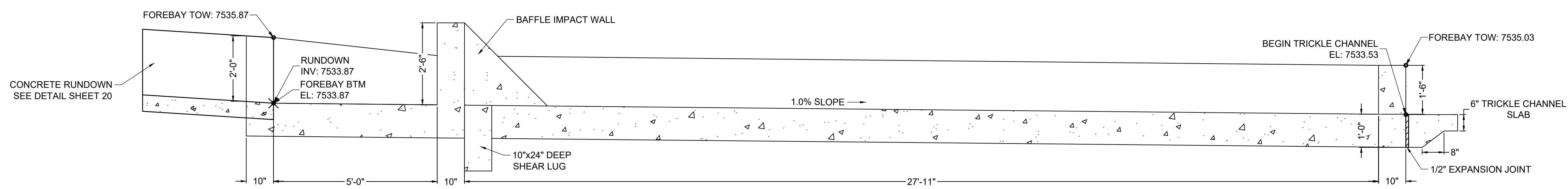
PLAN VIEW
FOREBAY A
SCALE: 1"=2'



FOREBAY A NOTCH DETAIL
SCALE: NTS



ELEVATION VIEW
FOREBAY REINFORCING DETAIL
SCALE: NTS



SECTION VIEW A-A
FOREBAY A
SCALE: 1"=2'

DRAWN BY: CMD	JOB DATE: 10/31/24	BAR IS ONE INCH ON OFFICIAL DRAWINGS. IF NOT ONE INCH, ADJUST SCALE ACCORDINGLY.
APPROVED: RDL	JOB NUMBER: 211030.240	
CAD DATE: 8/22/2024		
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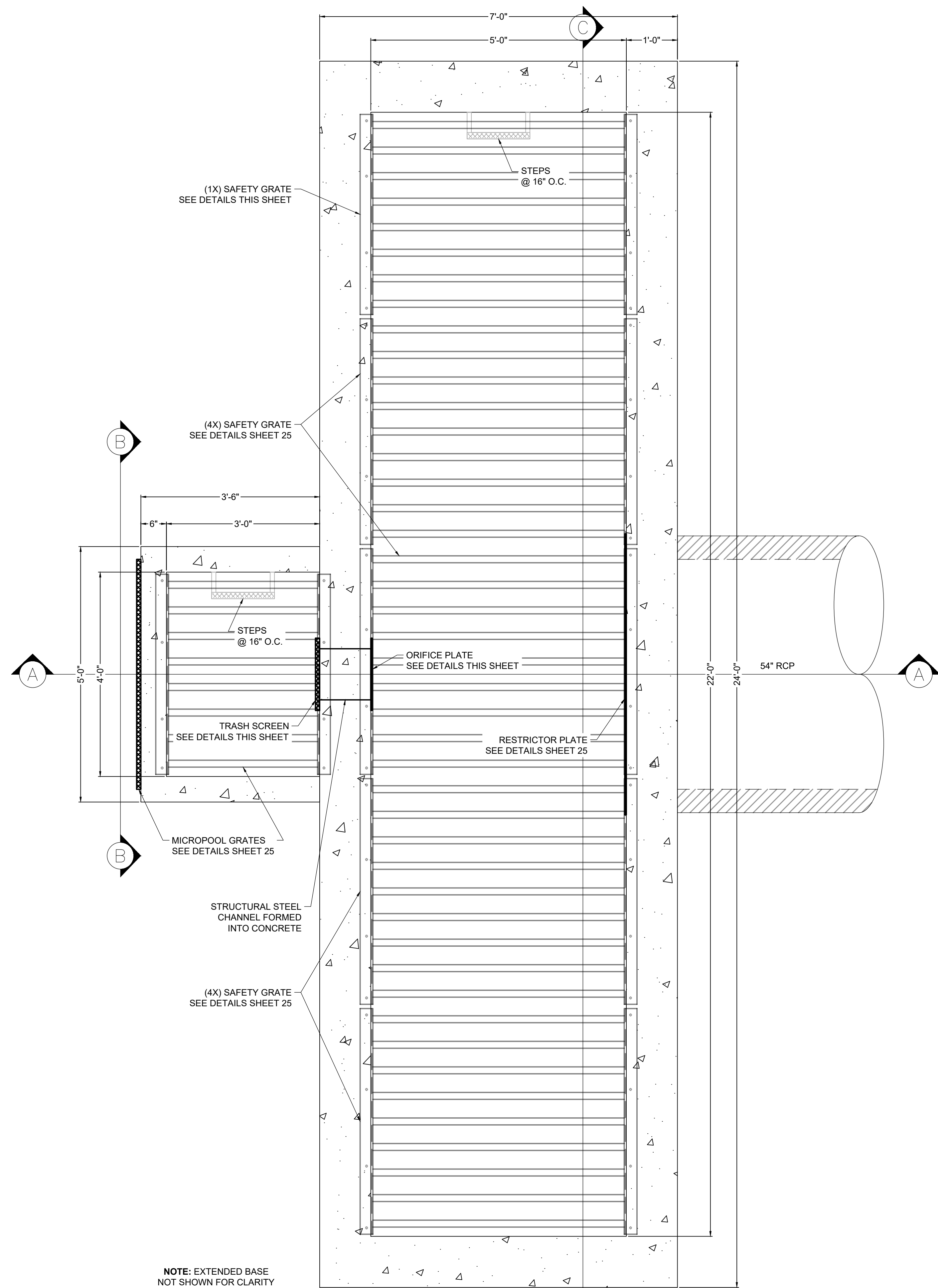
NO.	DATE	BY	REVISION DESCRIPTION

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 COLORADO SPRINGS, CO 80920
 PHONE: 719.300.4140
 FAX: 713.965.0044

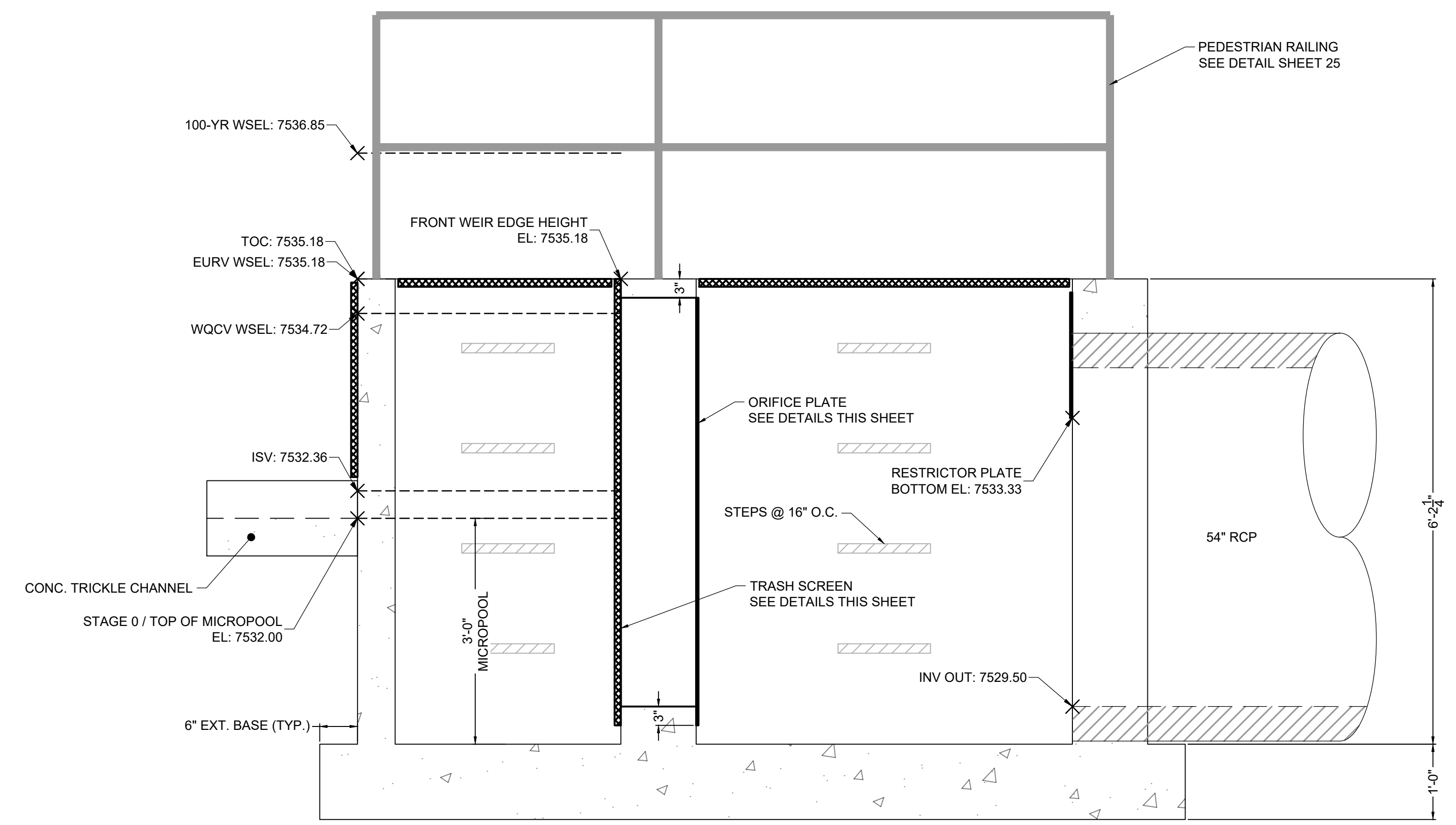
FLYING HORSE NORTH FILING 4
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 EL PASO COUNTY, CO

POND DETAILS
 POND A FOREBAY

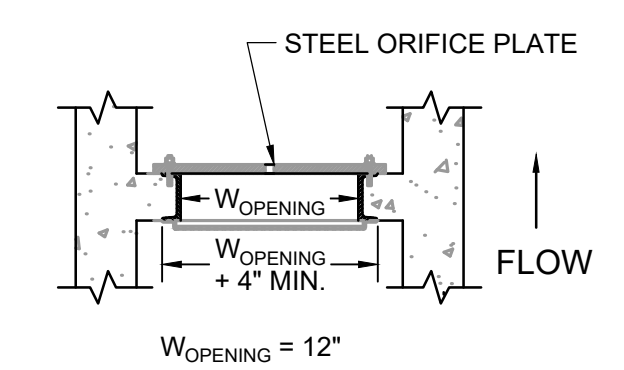
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 PND
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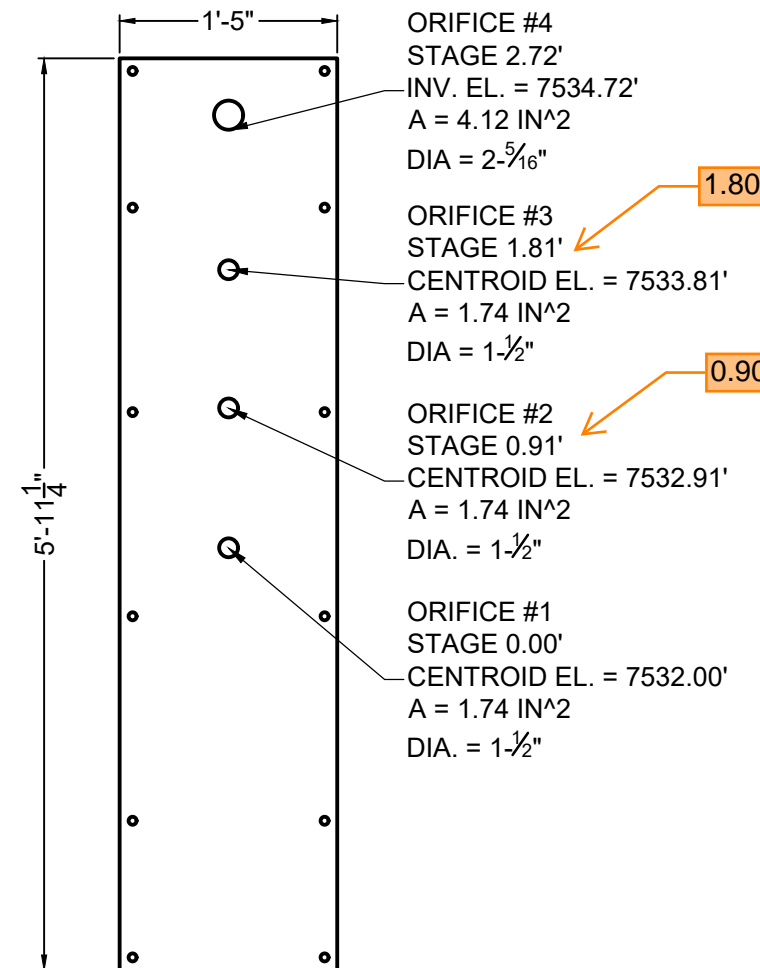
PLAN VIEW
POND A OUTLET STRUCTURE
SCALE: 1" = 1-1/4"



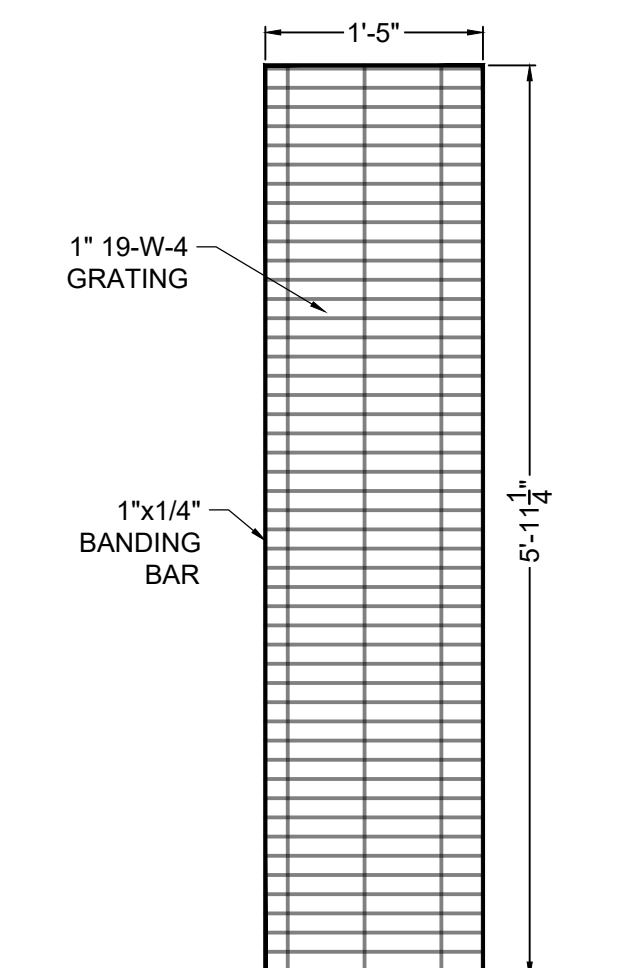
SECTION VIEW A-A
POND A OUTLET STRUCTURE
SCALE: 1" = 1-1/4"



DETAIL
TRASH SCREEN & ORIFICE PLATE
SCALE: NTS



ELEVATION VIEW
ORIFICE PLATE DETAIL
SCALE: 1" = 1-1/4"



ELEVATION VIEW
TRASH SCREEN DETAIL
SCALE: 1" = 1-1/4"

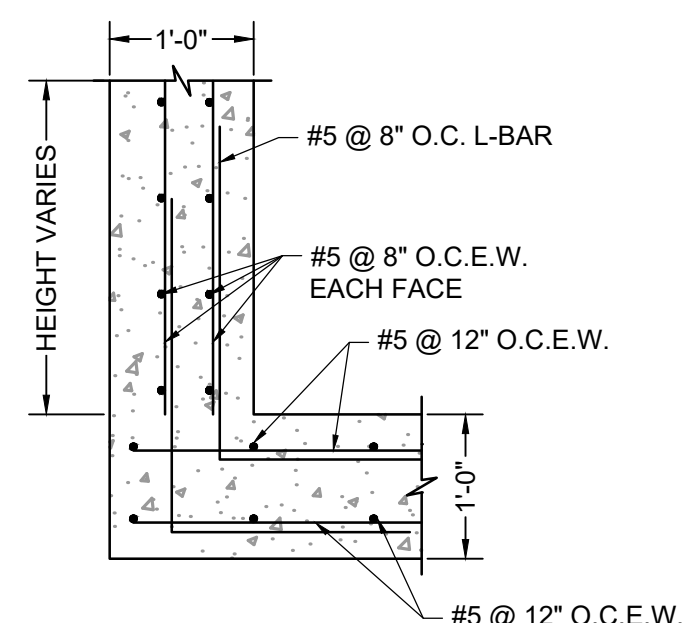
Be more specific that that trash screen must meet the following EPC criteria:
Trash rack to be Amico Klemp KRP Series aluminum bar grate (Figure 6-b), US Filter or Johnson stainless steel well screen with #3 VEE wire (Figure 6-a), or equivalent (per EPC DCMv2, Chap 4.3 and MHPD Detail T-12).
Typical comment for all 3 ponds.

TRASH SCREEN NOTES:

1. TRASH SCREEN SHALL BE STEEL AND SHALL BE ATTACHED BY INTERMITTENT WELDS ALONG THE EDGE OF THE MOUNTING FRAME.
2. TRASH SCREEN 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).
3. STRUCTURAL DESIGN OF TRASH RACKS SHALL BE BASED ON FULL HYDROSTATIC HEAD WITH ZERO HEAD DOWNSTREAM OF THE RACK.
4. CONTRACTOR SHALL SUBMIT SHOP DRAWINGS FOR TRASH SCREEN FOR ENGINEER'S APPROVAL PRIOR TO CONSTRUCTION.

ORIFICE PLATE NOTES:

1. PLATE TO BE 1/8" THICK GALVANIZED STEEL.
2. BOLT PLATE TO CONCRETE 16" O.C. MAX.
3. PROVIDE CONTINUOUS NEOPRENE GASKET MATERIAL BETWEEN THE ORIFICE PLATE AND CONCRETE.
4. CONTRACTOR SHALL SUBMIT SHOP DRAWINGS FOR ORIFICE PLATE FOR ENGINEER'S APPROVAL PRIOR TO CONSTRUCTION.



ELEVATION VIEW
OUTLET STRUCTURE REINFORCING DETAIL
SCALE: NTS

DRAWN BY: CMD	JOB DATE: 10/31/24	BAR IS ONE INCH ON OFFICIAL DRAWINGS.
APPROVED: RDL	JOB NUMBER: 211030.240	0
CAD DATE: 8/22/2024		IF NOT ONE INCH, ADJUST SCALE ACCORDINGLY.
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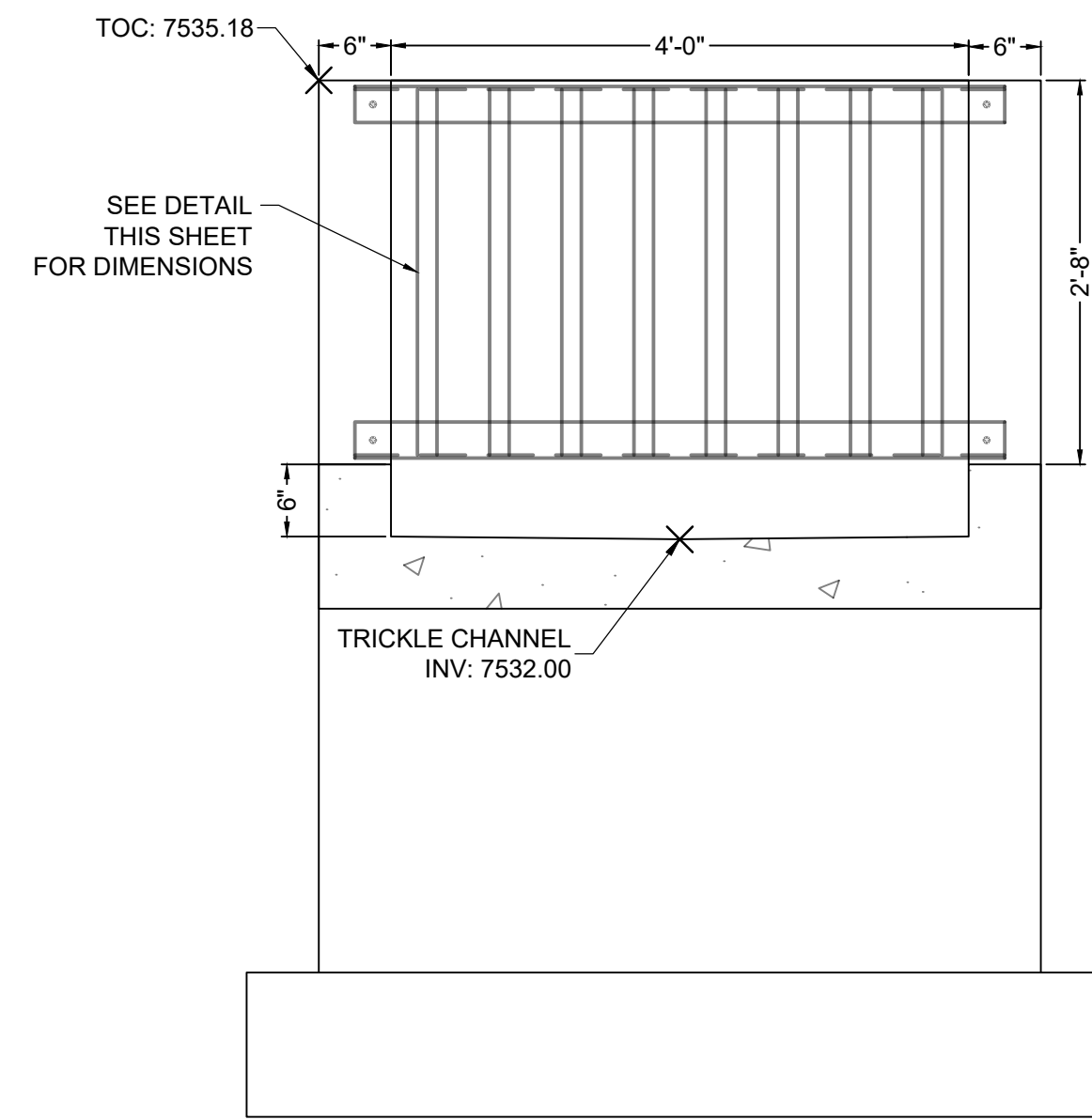
NO.	DATE	BY	REVISION DESCRIPTION

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HR GREEN - COLORADO SPRINGS
1975 RESEARCH PARKWAY SUITE 100
COLORADO SPRINGS, CO 80920
PHONE: 719.300.4140
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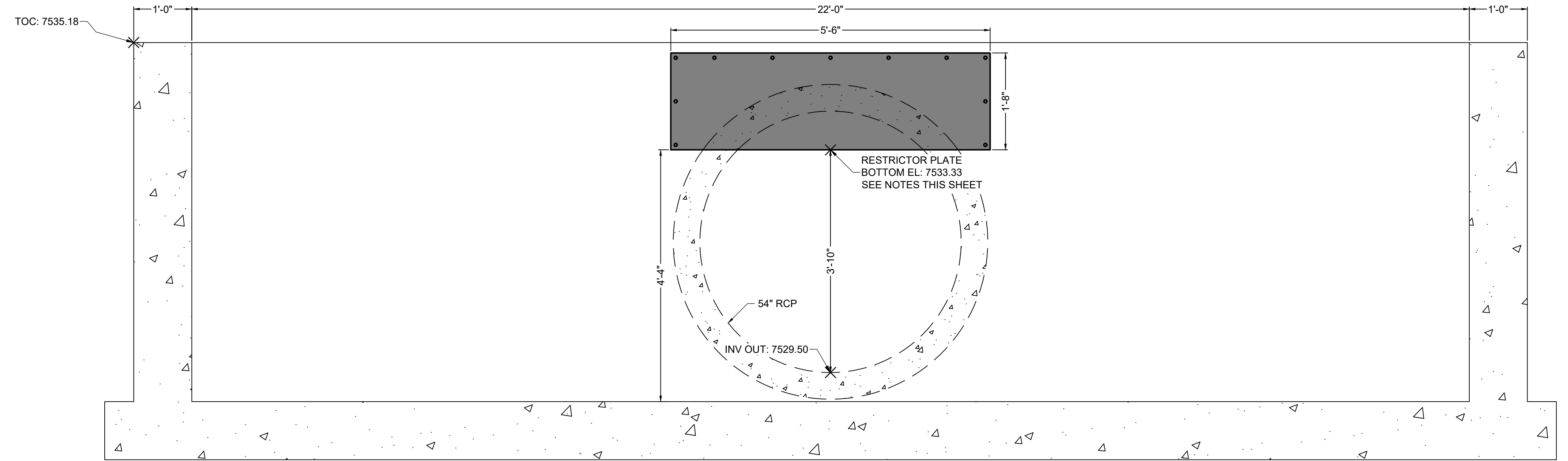
FLYING HORSE NORTH FILING 4
PRI #2, LLC.
EL PASO COUNTY, CO

POND DETAILS
POND A OUTLET STRUCTURE

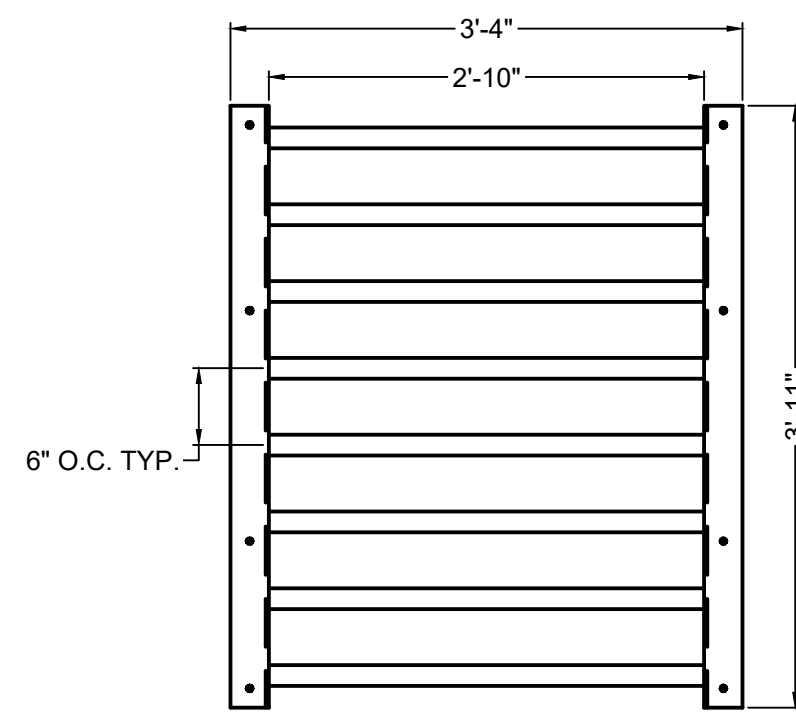
SHEET
PND
24



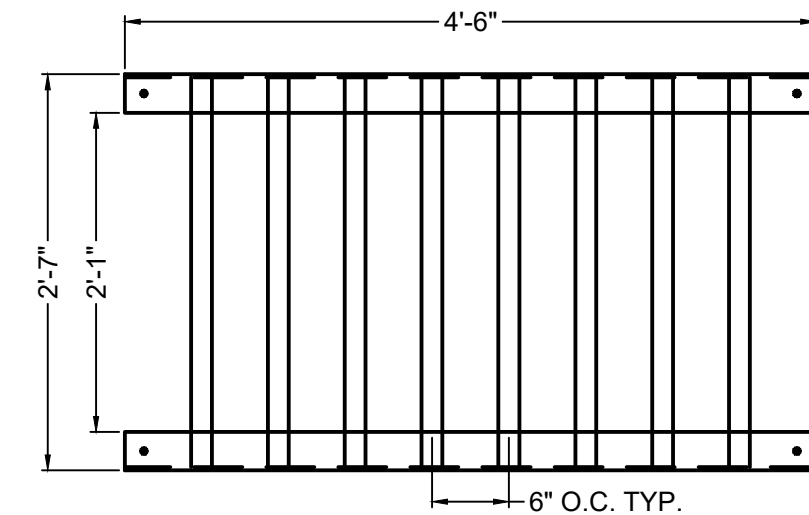
SECTION VIEW B-B
MICROPPOOL FRONT FACE
SCALE: 1" = 1-1/4'



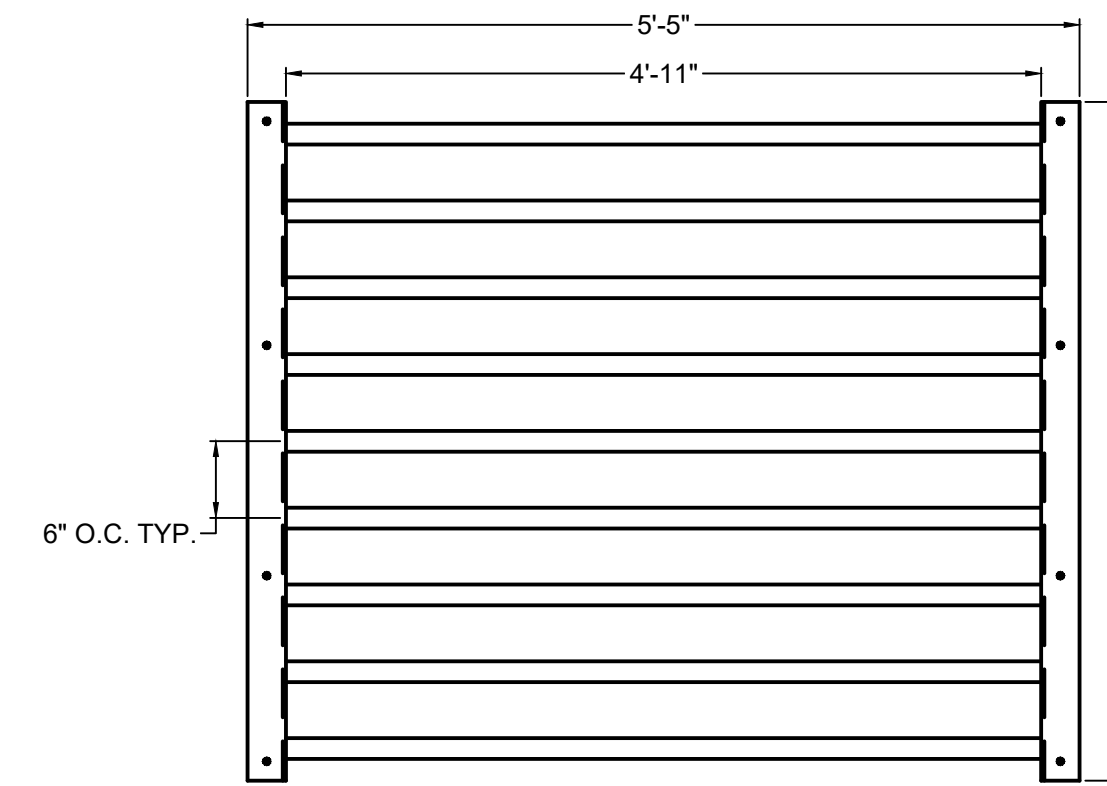
SECTION VIEW C-C
RESTRICTOR PLATE
SCALE: 1" = 1-1/4'



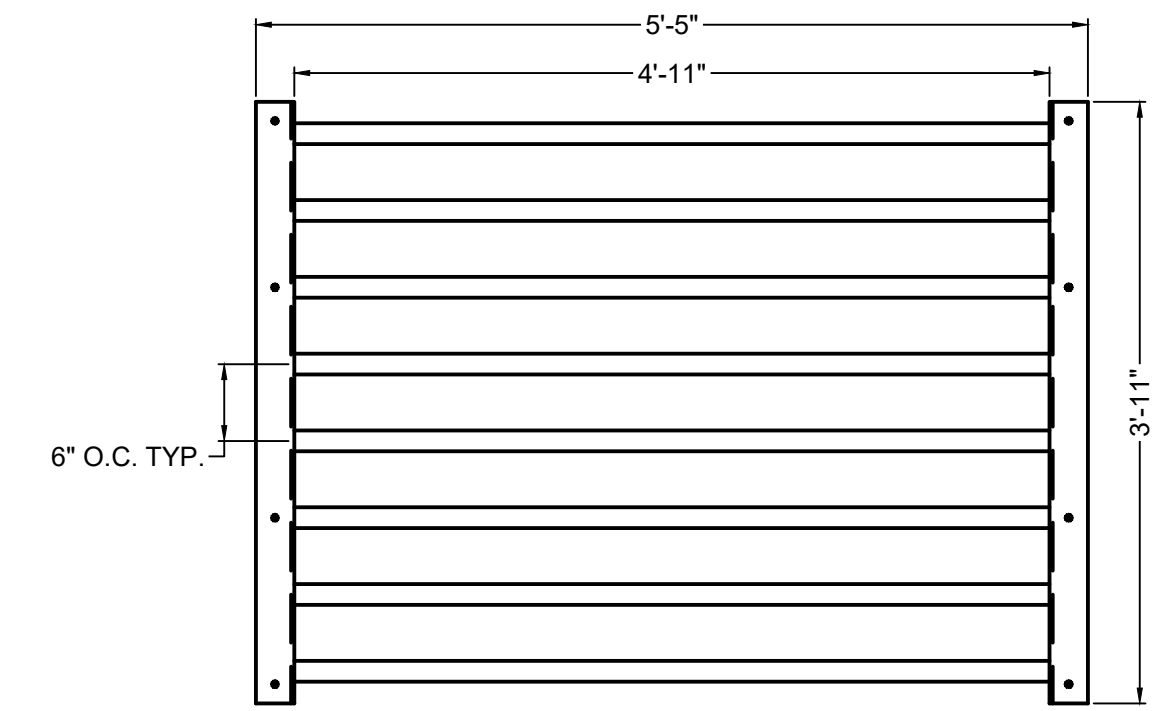
ELEVATION VIEW
MICROPPOOL TOP GRATE
SCALE: 1" = 1-1/4'



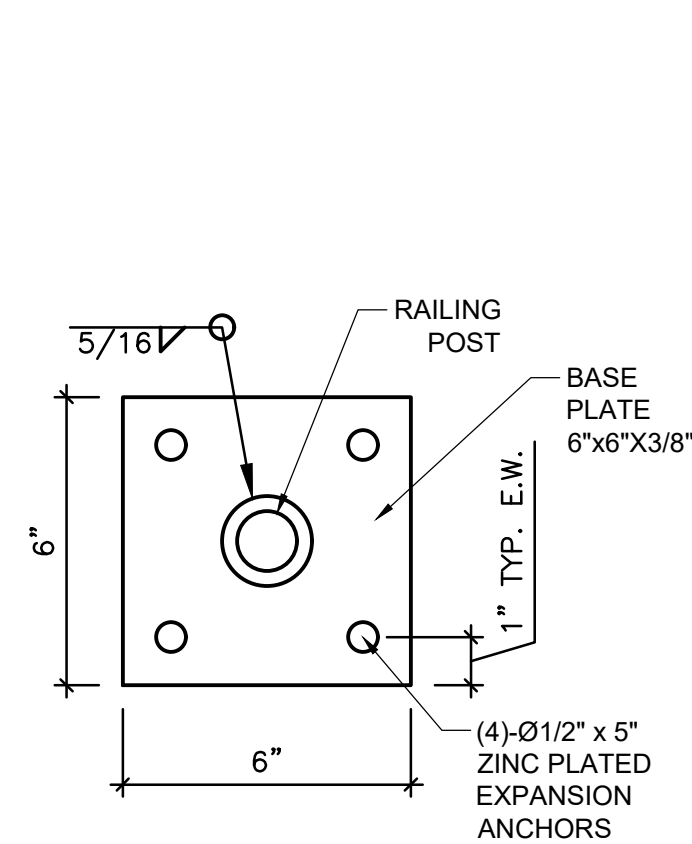
ELEVATION VIEW
MICROPPOOL FRONT GRATE
SCALE: 1" = 1-1/4'



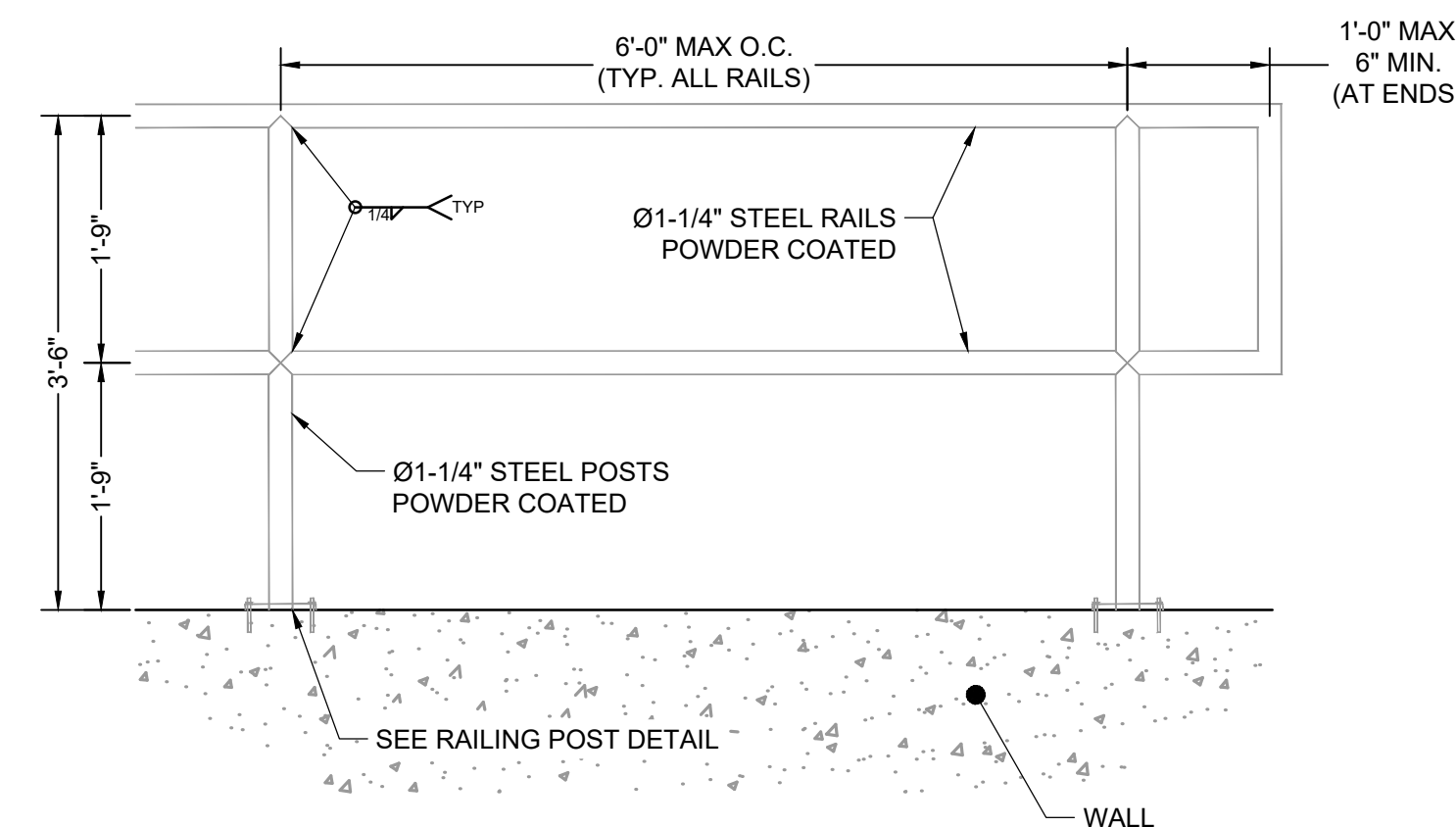
PLAN VIEW
SAFETY GRATE - QTY. 4
SCALE: 1" = 1-1/4'



PLAN VIEW
SAFETY GRATE - QTY. 1
SCALE: 1" = 1-1/4'



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



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

SAFETY GRATES/TRASH RACK NOTES:

- TRASH RACKS AND SAFETY GRATES SHALL BE 1-1/2" SCH. 40 STEEL PIPE, @ 6" CENTERS BOUNDED BY 3"x3"x1/4" ANGLE IRON. ALL GRATES SHALL BE MOUNTED USING ZINC PLATED STEEL HARDWARE.
- REMOVABLE GRATE SECTIONS SHALL BE MOUNTED USING ZINC PLATED STEEL HARDWARE AND PROVIDED WITH HINGED & LOCKABLE OR BOLTABLE ACCESS PANELS AS SHOWN ON THE PLANS.
- STEEL GRATES SHALL BE HOT DIP GALVANIZED AND MAY BE HOT POWDER COATED AFTER GALVANIZING.
- STRUCTURAL STEEL FOR GRATES SHALL BE GALVANIZED AND SHALL BE IN ACCORDANCE WITH CDOT STANDARD SPECIFICATIONS, SUBSECTION 712.06.
- CONTRACTOR SHALL SUBMIT SHOP DRAWINGS FOR GRATING FOR ENGINEER'S APPROVAL PRIOR TO CONSTRUCTION.

RESTRICTOR PLATE NOTES:

- 3/8" THICK RESTRICTOR PLATE, GALVANIZED STEEL.
- BOLT PLATE TO CONCRETE @ 12" O.C. MAX.
- PROVIDE CONTINUOUS NEOPRENE GASKET MATERIAL BETWEEN PLATE AND CONCRETE.
- CONTRACTOR SHALL SUBMIT SHOP DRAWINGS FOR RESTRICTOR PLATE FOR ENGINEER'S APPROVAL PRIOR TO CONSTRUCTION.

TWO SIGNS SHALL BE INSTALLED AROUND THE POND PERIMETER. THE SIGNS SHALL BE CONSTRUCTED OF A DURABLE MATERIAL SUCH AS METAL OR PLASTIC AND HAVE RED LETTERING ON A WHITE BACKGROUND WITH THE BELOW MESSAGE.

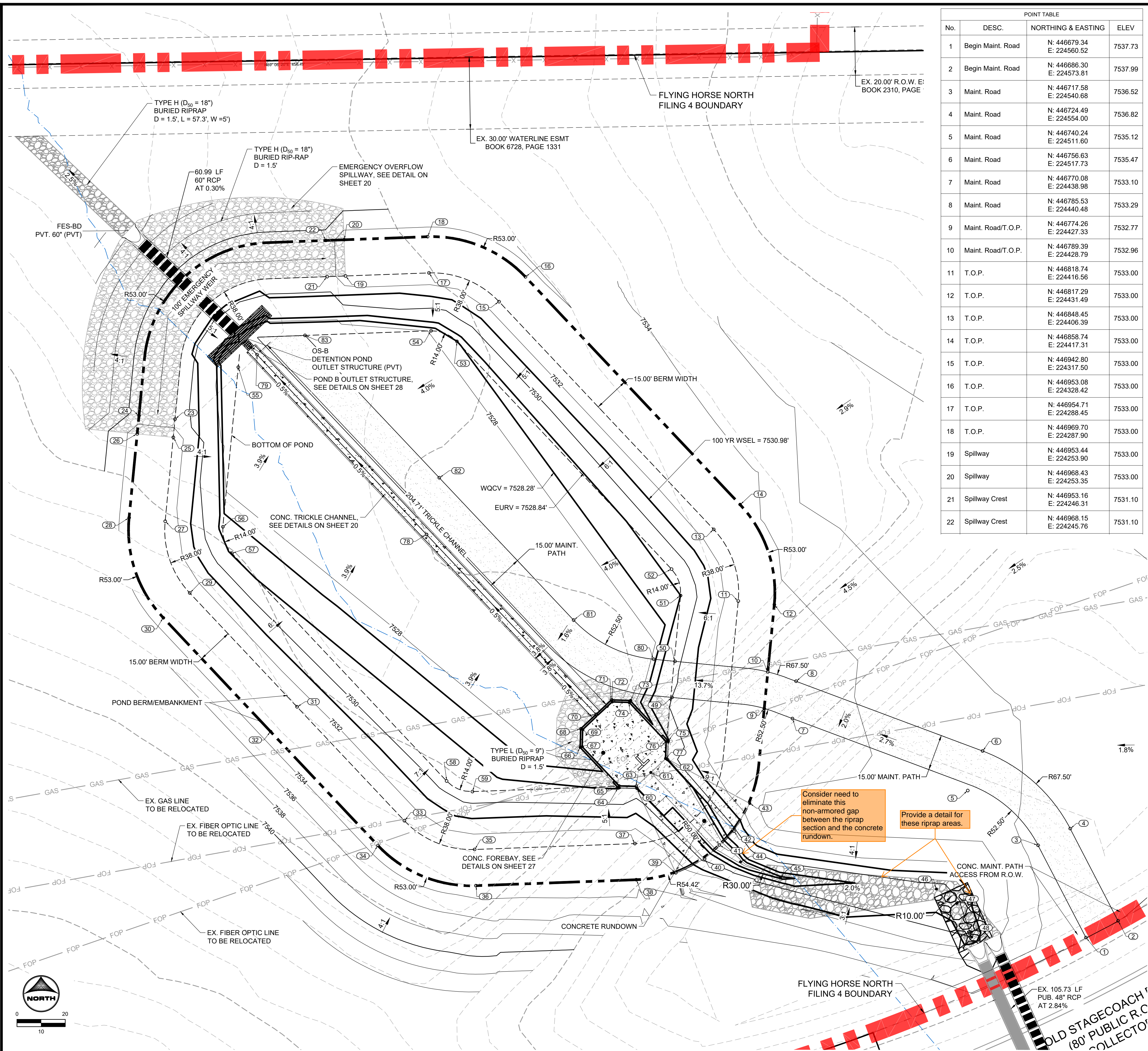
WARNING:
THIS AREA IS A
STORMWATER
FACILITY AND
IS SUBJECT TO
PERIODIC
FLOODING

Minimum Sign Area: 3 sqft

**POND WARNING SIGN
DETAIL**
SCALE: N.T.S.

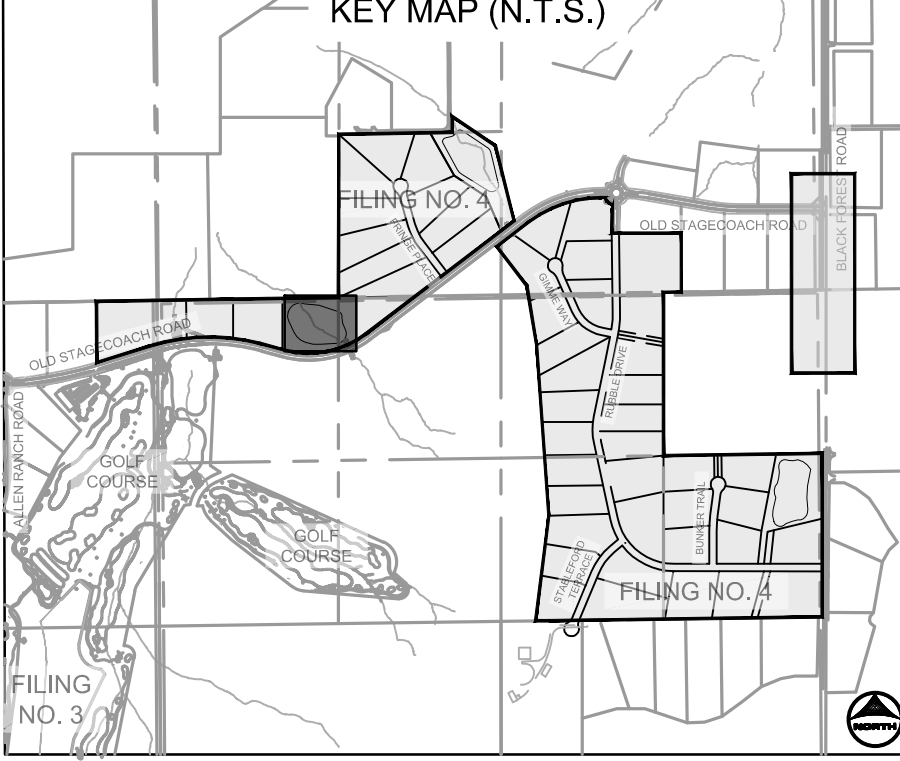
NO.	DATE	BY	REVISION DESCRIPTION





POINT TABLE			
No.	DESC.	NORTHING & EASTING	ELEV
1	Begin Maint. Road	N: 446679.34 E: 224560.52	7537.73
2	Begin Maint. Road	N: 446686.30 E: 224573.81	7537.99
3	Maint. Road	N: 446717.58 E: 224540.68	7536.52
4	Maint. Road	N: 446724.49 E: 224554.00	7536.82
5	Maint. Road	N: 446740.24 E: 224511.60	7535.12
6	Maint. Road	N: 446756.63 E: 224517.73	7535.47
7	Maint. Road	N: 446770.08 E: 224438.98	7533.10
8	Maint. Road	N: 446785.53 E: 224440.48	7533.29
9	Maint. Road/T.O.P.	N: 446774.26 E: 224427.33	7532.77
10	Maint. Road/T.O.P.	N: 446789.39 E: 224428.79	7532.96
11	T.O.P.	N: 446818.74 E: 224416.56	7533.00
12	T.O.P.	N: 446817.29 E: 224431.49	7533.00
13	T.O.P.	N: 446848.45 E: 224406.39	7533.00
14	T.O.P.	N: 446858.74 E: 224417.31	7533.00
15	T.O.P.	N: 446942.80 E: 224317.50	7533.00
16	T.O.P.	N: 446953.08 E: 224328.42	7533.00
17	T.O.P.	N: 446954.71 E: 224288.45	7533.00
18	T.O.P.	N: 446969.70 E: 224287.90	7533.00
19	Spillway	N: 446953.44 E: 224253.90	7533.00
20	Spillway	N: 446968.43 E: 224253.35	7533.00
21	Spillway Crest	N: 446953.16 E: 224246.31	7531.10
22	Spillway Crest	N: 446968.15 E: 224245.76	7531.10

POINT TABLE			
No.	DESC.	NORTHING & EASTING	ELEV
23	Spillway Crest	N: 446894.15 E: 224183.33	7531.10
24	Spillway Crest	N: 446895.59 E: 224188.40	7531.10
25	Spillway	N: 446886.59 E: 224182.60	7533.00
26	Spillway	N: 446888.03 E: 224167.67	7533.00
27	T.O.P.	N: 446851.82 E: 224179.24	7533.00
28	T.O.P.	N: 446853.26 E: 224164.31	7533.00
29	T.O.P.	N: 446822.11 E: 224189.40	7533.00
30	T.O.P.	N: 446811.82 E: 224178.48	7533.00
31	T.O.P.	N: 446774.93 E: 224233.85	7533.00
32	T.O.P.	N: 446764.65 E: 224222.93	7533.00
33	T.O.P.	N: 446727.76 E: 224278.29	7533.00
34	T.O.P.	N: 446717.47 E: 224267.37	7533.00
35	T.O.P.	N: 446715.84 E: 224307.35	7533.00
36	T.O.P.	N: 446700.85 E: 224307.90	7533.00
37	T.O.P.	N: 446718.29 E: 224373.74	7533.00
38	T.O.P.	N: 446703.30 E: 224374.29	7533.00
39	Edge of Rundown	N: 446706.19 E: 224390.69	7533.00
40	Rundown GB	N: 446711.95 E: 224402.61	7529.69
41	Rundown F.L.	N: 446717.68 E: 224408.69	7527.60
42	Rundown GB	N: 446723.41 E: 224414.77	7529.68
43	Edge of Rundown	N: 446734.92 E: 224421.31	7533.00
44	Swale F.L.	N: 446710.69 E: 224417.47	7527.82
45	Swale F.L.	N: 446704.24 E: 224433.94	7528.18
46	Swale F.L.	N: 446699.45 E: 224498.63	7529.48
47	Swale F.L.	N: 446693.50 E: 224507.04	7529.69
48	Swale F.L.	N: 446679.50 E: 224513.19	7530.00
49	Maint. Road/B.O.P.	N: 446778.84 E: 224389.11	7530.00
50	Maint. Road/B.O.P.	N: 446793.79 E: 224390.35	7529.57
51	B.O.P.	N: 446821.04 E: 224392.67	7528.80
52	B.O.P.	N: 446831.99 E: 224388.92	7528.94
53	B.O.P.	N: 446926.34 E: 224300.04	7528.29
54	B.O.P.	N: 446930.73 E: 224289.33	7528.04
55	B.O.P.	N: 446915.64 E: 224209.52	7526.28
56	B.O.P.	N: 446849.51 E: 224203.13	7528.48
57	B.O.P.	N: 446838.57 E: 224206.87	7528.73



POINT TABLE			
No.	DESC.	NORTHING & EASTING	ELEV
58	B.O.P.	N: 446744.22 E: 224295.76	7529.38
59	B.O.P.	N: 446739.83 E: 224306.46	7529.24
60	Forebay Outer	N: 446741.16 E: 224374.61	7528.78
61	Rundown F.L.	N: 446747.74 E: 224380.37	7527.35
62	Forebay Outer	N: 446753.10 E: 224387.29	7528.78
63	Forebay Inner	N: 446742.22 E: 224374.28	7527.35
64	Forebay Outer	N: 446741.35 E: 224366.87	7528.73
65	Forebay Inner	N: 446742.22 E: 224367.26	7527.33
66	Forebay Outer	N: 446758.12 E: 224351.10	7528.30
67	Forebay Inner	N: 446758.45 E: 224351.97	7527.11
68	Forebay Outer	N: 446765.85 E: 224351.34	7528.57
69	Forebay Inner	N: 446765.48 E: 224352.18	7527.07
70	T.C. Flow Line	N: 446771.85 E: 224357.66	7527.02
71	Forebay Outer	N: 446777.79 E: 224364.02	7528.57
72	Forebay Inner	N: 446776.93 E: 224372.00	7527.07
73	Forebay Outer	N: 446777.66 E: 224372.00	7527.70
74	Forebay Inner	N: 446776.72 E: 224371.37	7527.11
75	Forebay Outer	N: 446780.84 E: 224387.55	7528.73
76	Forebay Inner	N: 446760.50 E: 224386.66	7527.33
77	Forebay Inner	N: 446753.47 E: 224386.45	7527.35
78	T.C. Flow Line	N: 446846.35 E: 224287.47	7526.51
79	T.C. Flow Line	N: 446920.85 E: 224217.28	7526.00
80	Maint. Road	N: 446794.64 E: 224381.53	7528.16
81	Maint. Road	N: 446810.89 E: 224348.36	7527.25
82	Maint. Road	N: 446809.85 E: 224292.75	7526.84
83	End Maint. Road	N: 446828.81 E: 224237.13	7526.92

- 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 SHEET 2.

- ABBREVIATIONS:**
- T.O.W. - TOP OF WALL
 - B.O.P. - BOTTOM OF POND
 - T.O.P. - TOP OF POND
 - T.C. - TRICKLE CHANNEL
 - G.B. - GRADE BREAK

DRAWN BY: CMD JOB DATE: 10/31/24
 APPROVED: RDL JOB NUMBER: 211030.240
 CAD DATE: 8/19/2024
 CAD FILE: J:\2021\211030\CAD\Drawings\C\Filing_No_4\Pond_B_Grading

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

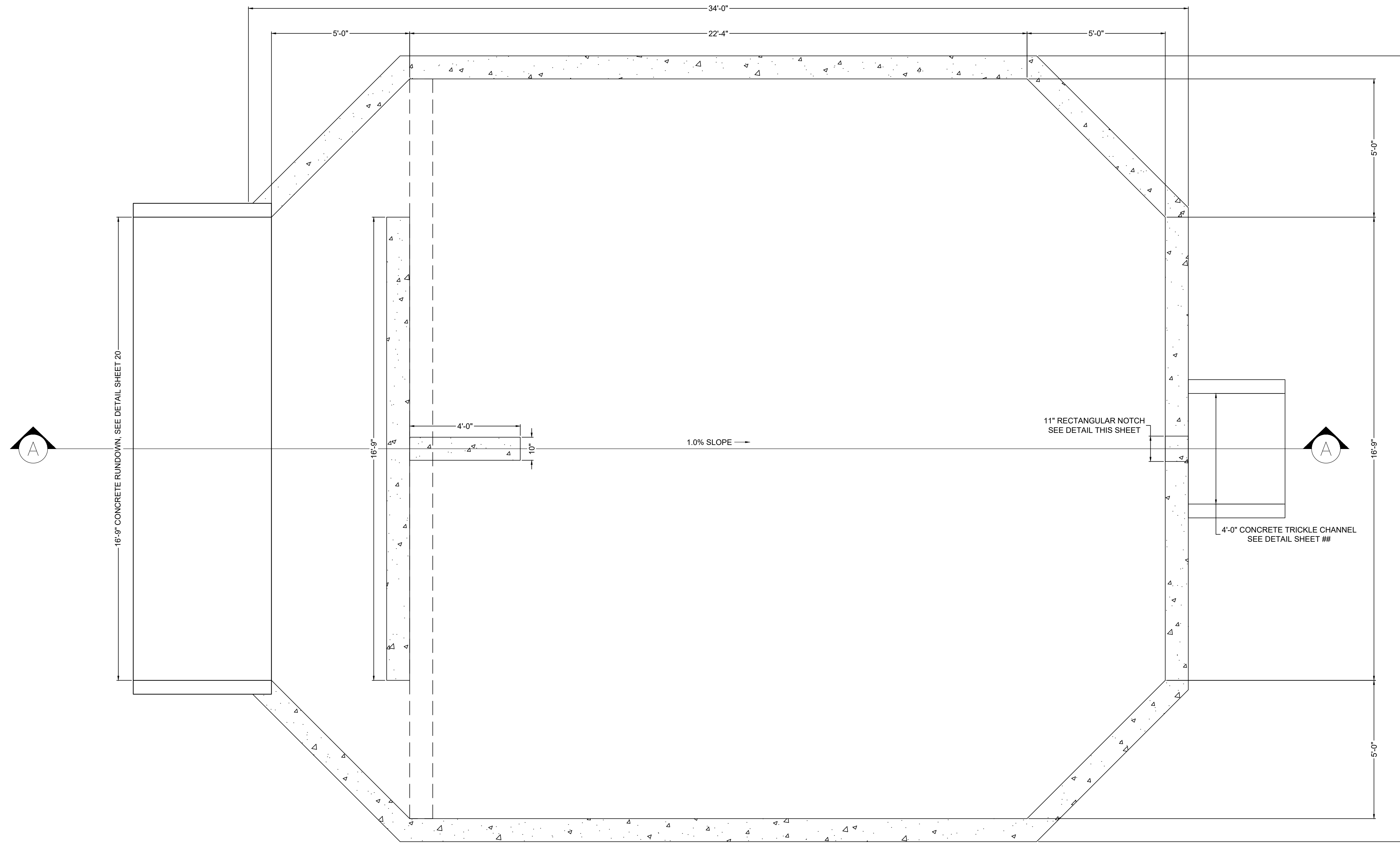
NO.	DATE	BY	REVISION DESCRIPTION

HRGreen
 HR GREEN - COLORADO SPRINGS
 1975 RESEARCH PARKWAY SUITE 160
 COLORADO SPRINGS, CO 80920
 PHONE: 719.300.4140
 FAX: 719.965.0044

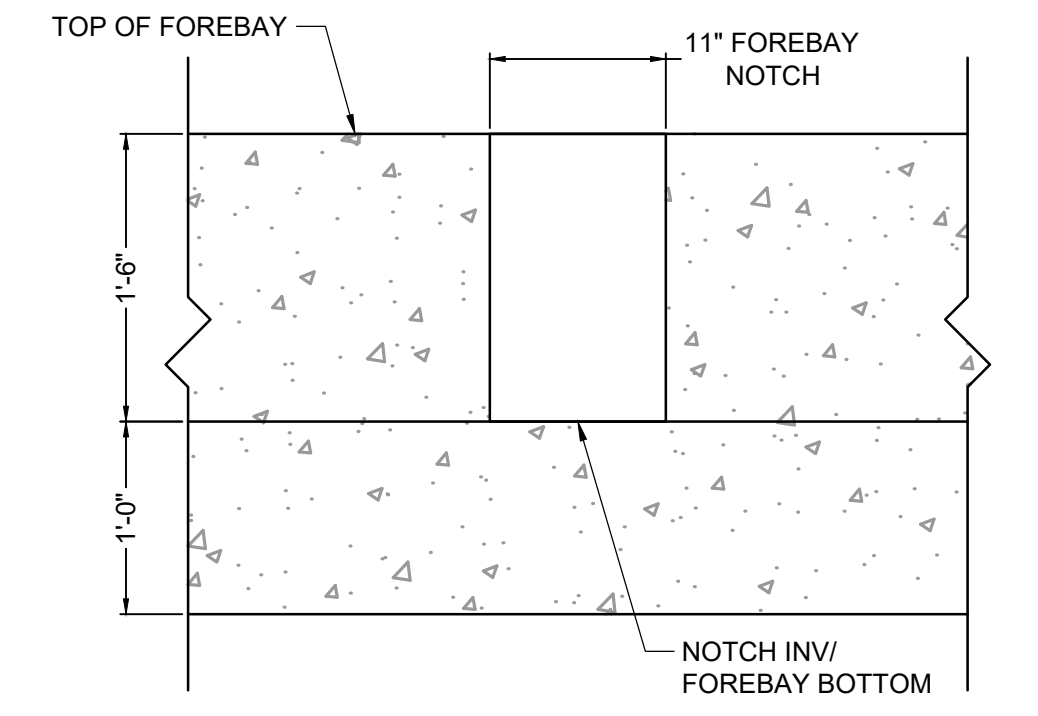
FLYING HORSE NORTH FILING 4
PRI #2, LLC.
 EL PASO COUNTY, CO

POND DETAILS
POND B GRADING PLAN

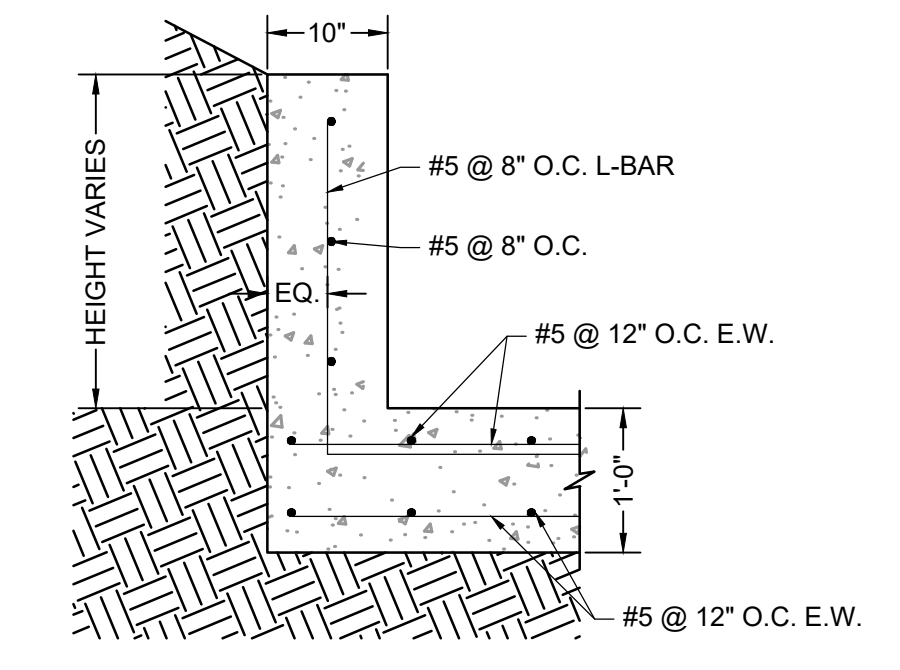
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PND
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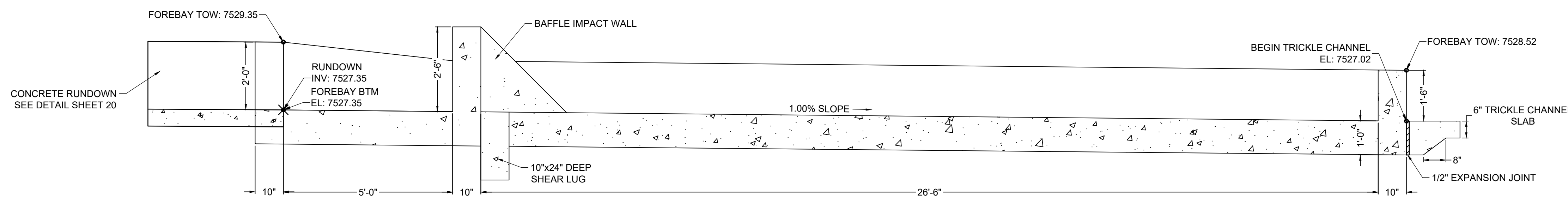
PLAN VIEW
FOREBAY B
SCALE: 1"=2'



FOREBAY B NOTCH DETAIL
SCALE: NTS




ELEVATION VIEW
FOREBAY REINFORCING DETAIL
SCALE: NTS



SECTION VIEW A-A
FOREBAY B
SCALE: 1"=2'

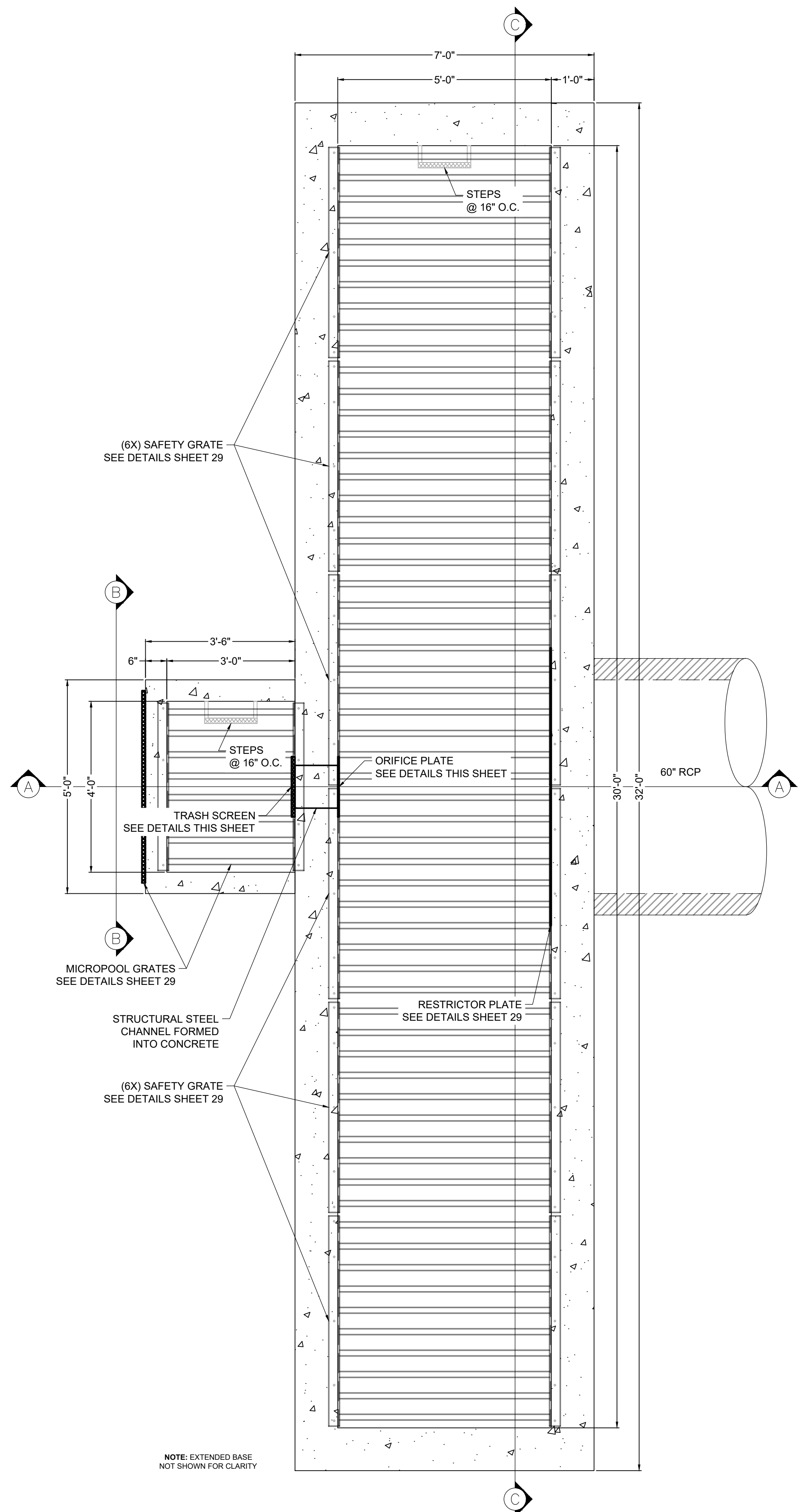
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CAD DATE: 8/22/2024		
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NO.	DATE	BY	REVISION DESCRIPTION

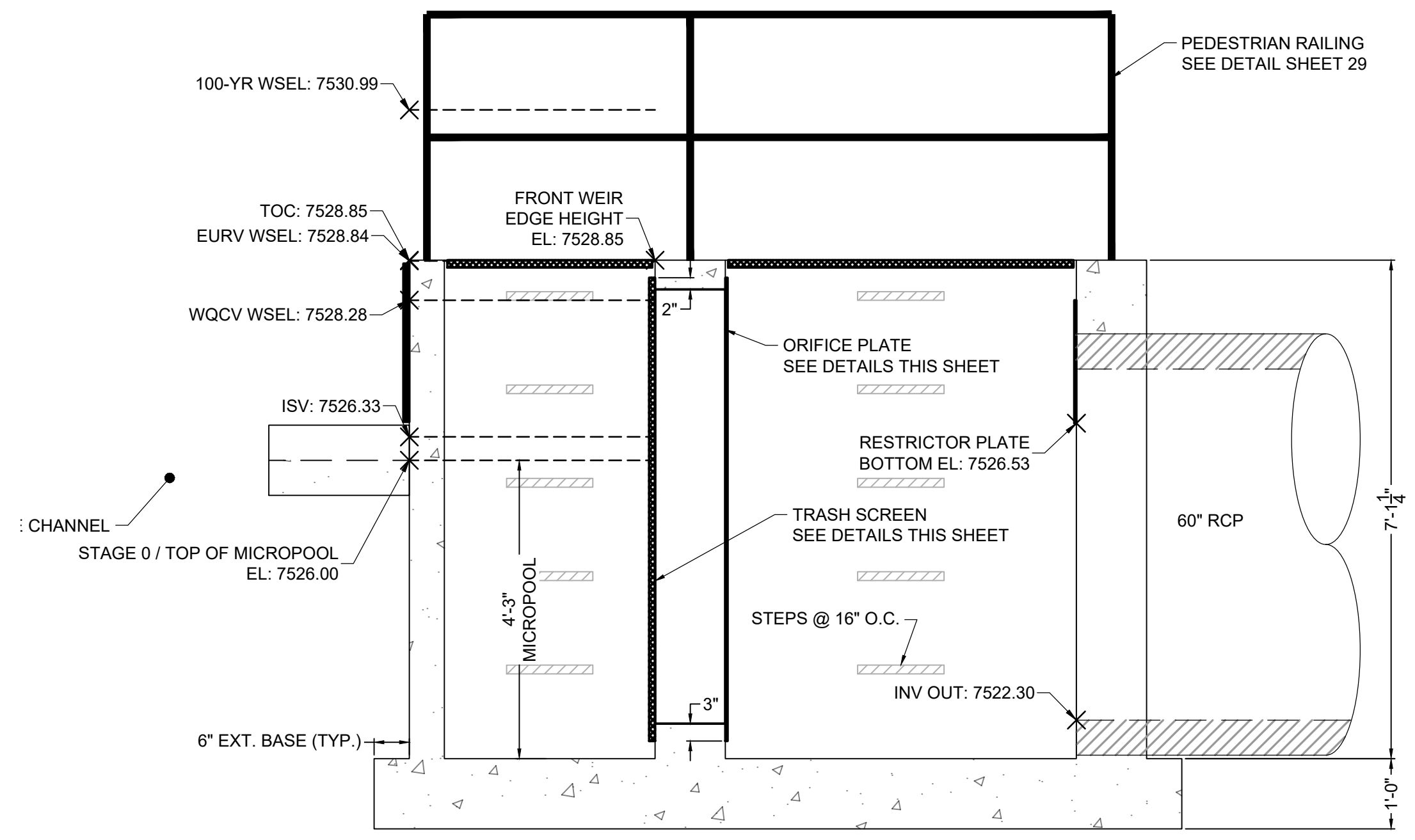

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 COLORADO SPRINGS, CO 80920
 PHONE: 719.300.4140
 FAX: 713.965.0044

FLYING HORSE NORTH FILING 4
 PRI #2, LLC.
 EL PASO COUNTY, CO

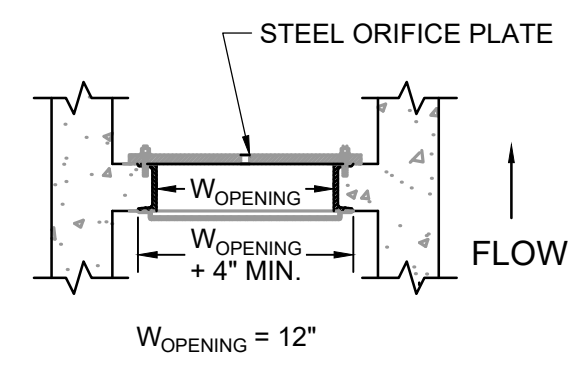
POND DETAILS
 POND B FOREBAY



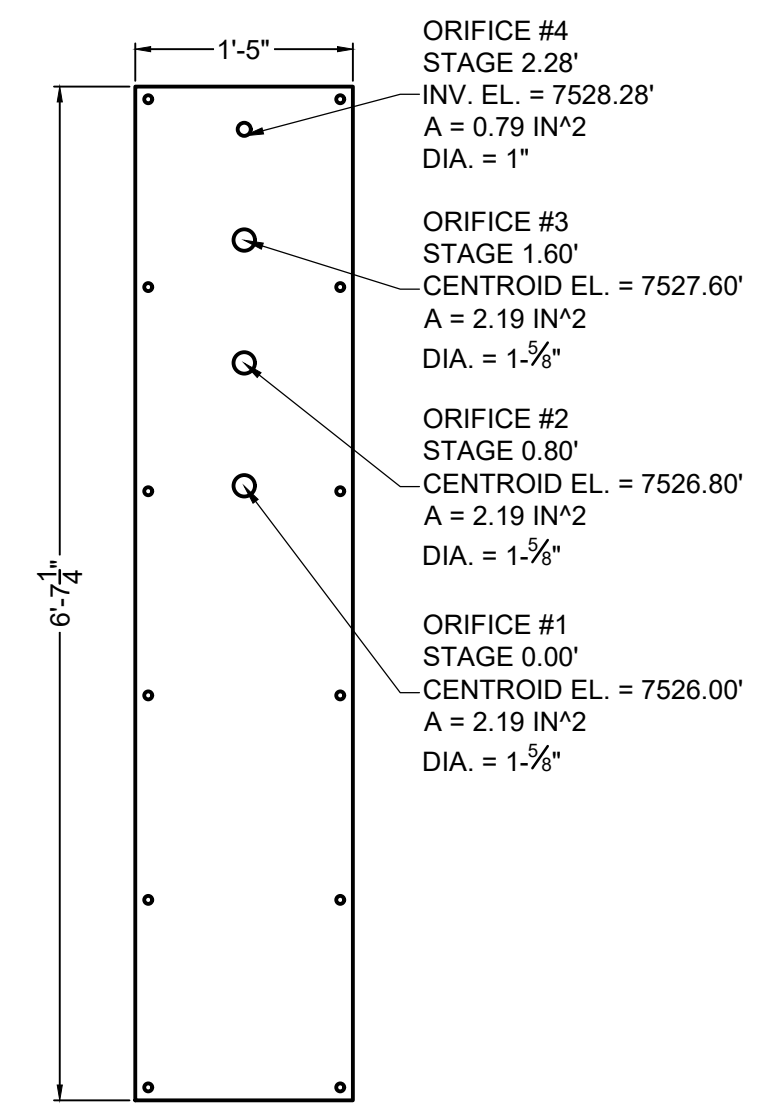
PLAN VIEW
POND B OUTLET STRUCTURE
SCALE: 1" = 1-3/4"



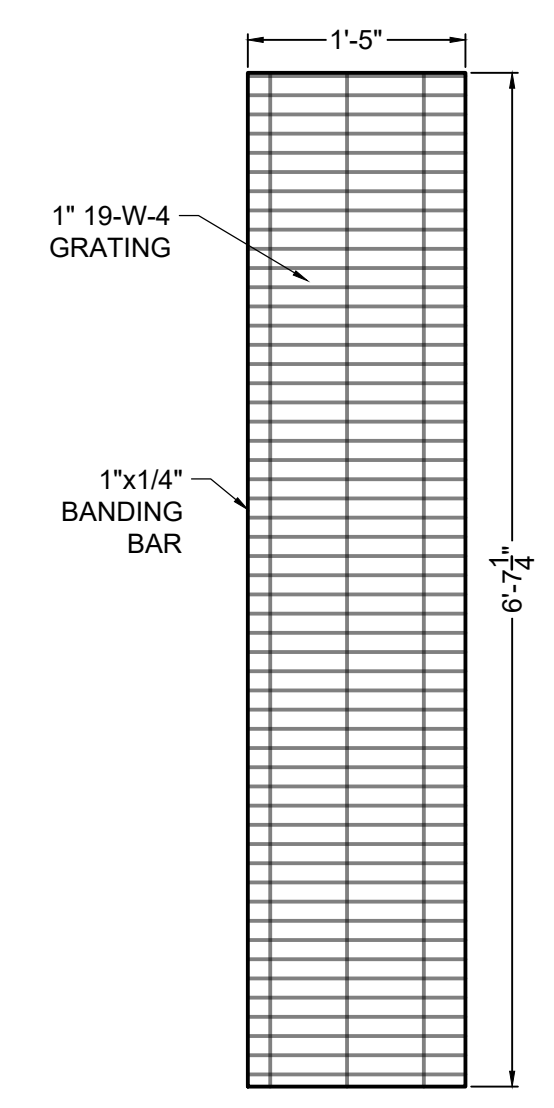
SECTION VIEW A-A
POND B OUTLET STRUCTURE
SCALE: 1" = 1-3/4"



DETAIL
TRASH SCREEN & ORIFICE PLATE
SCALE: NTS



ELEVATION VIEW
ORIFICE PLATE DETAIL
SCALE: 1" = 1-1/4"



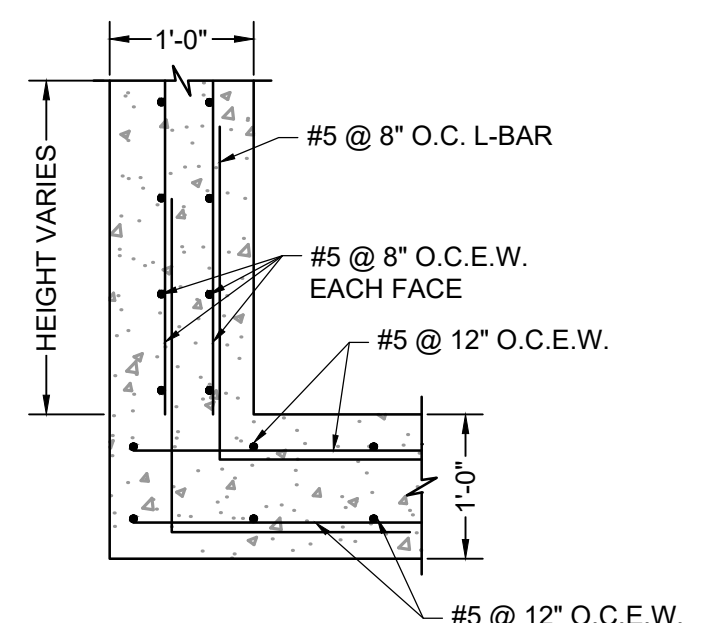
ELEVATION VIEW
TRASH SCREEN DETAIL
SCALE: 1" = 1-1/4"

TRASH SCREEN NOTES:

1. TRASH SCREEN SHALL BE STEEL AND SHALL BE ATTACHED BY INTERMITTENT WELDS ALONG THE EDGE OF THE MOUNTING FRAME.
2. TRASH SCREEN 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).
3. STRUCTURAL DESIGN OF TRASH RACKS SHALL BE BASED ON FULL HYDROSTATIC HEAD WITH ZERO HEAD DOWNSTREAM OF THE RACK.
4. CONTRACTOR SHALL SUBMIT SHOP DRAWINGS FOR TRASH SCREEN FOR ENGINEER'S APPROVAL PRIOR TO CONSTRUCTION.

ORIFICE PLATE NOTES:

1. PLATE TO BE 3/8" THICK GALVANIZED STEEL.
2. BOLT PLATE TO CONCRETE 16" O.C. MAX.
3. PROVIDE CONTINUOUS NEOPRENE GASKET MATERIAL BETWEEN THE ORIFICE PLATE AND CONCRETE.
4. CONTRACTOR SHALL SUBMIT SHOP DRAWINGS FOR ORIFICE PLATE FOR ENGINEER'S APPROVAL PRIOR TO CONSTRUCTION.



ELEVATION VIEW
OUTLET STRUCTURE REINFORCING DETAIL
SCALE: NTS

DRAWN BY: CMD	JOB DATE: 10/31/24	BAR IS ONE INCH ON OFFICIAL DRAWINGS.
APPROVED: RDL	JOB NUMBER: 211030.240	0
CAD DATE: 8/22/2024		IF NOT ONE INCH, ADJUST SCALE ACCORDINGLY.
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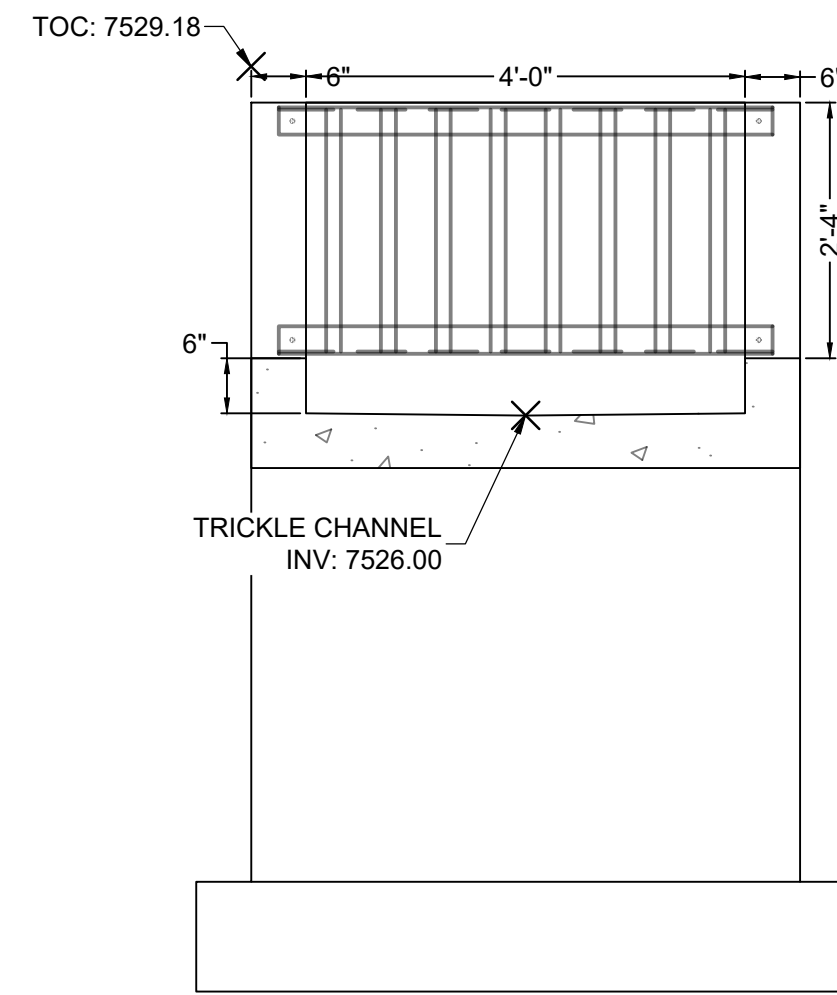
NO.	DATE	BY	REVISION DESCRIPTION

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 COLORADO SPRINGS, CO 80920
 PHONE: 719.300.4140
 FAX: 719.965.0044

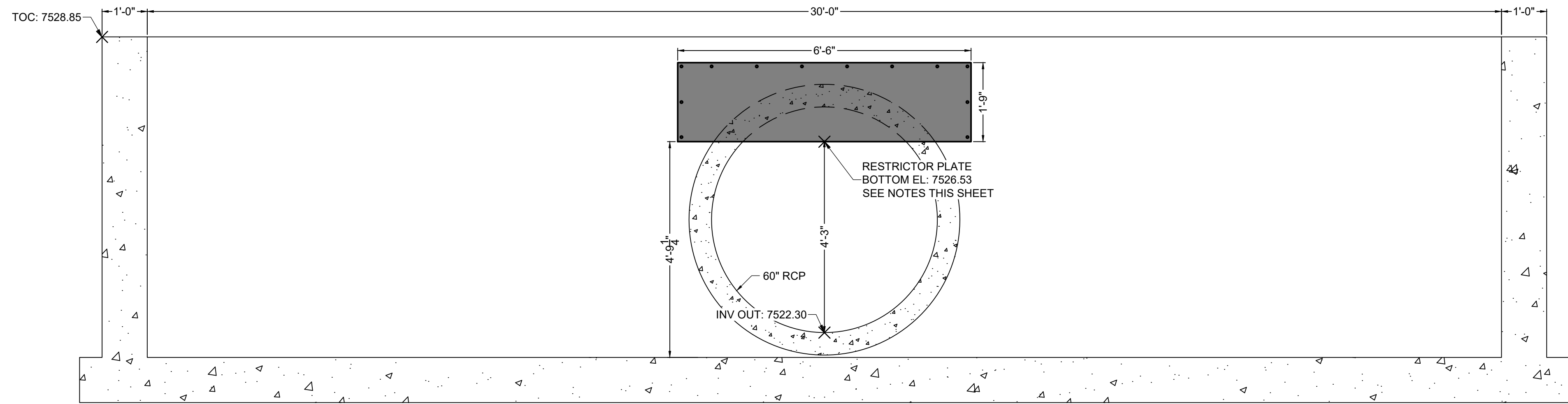
FLYING HORSE NORTH FILING 4
 PRI #2, LLC.
 EL PASO COUNTY, CO

POND DETAILS
 POND B OUTLET STRUCTURE

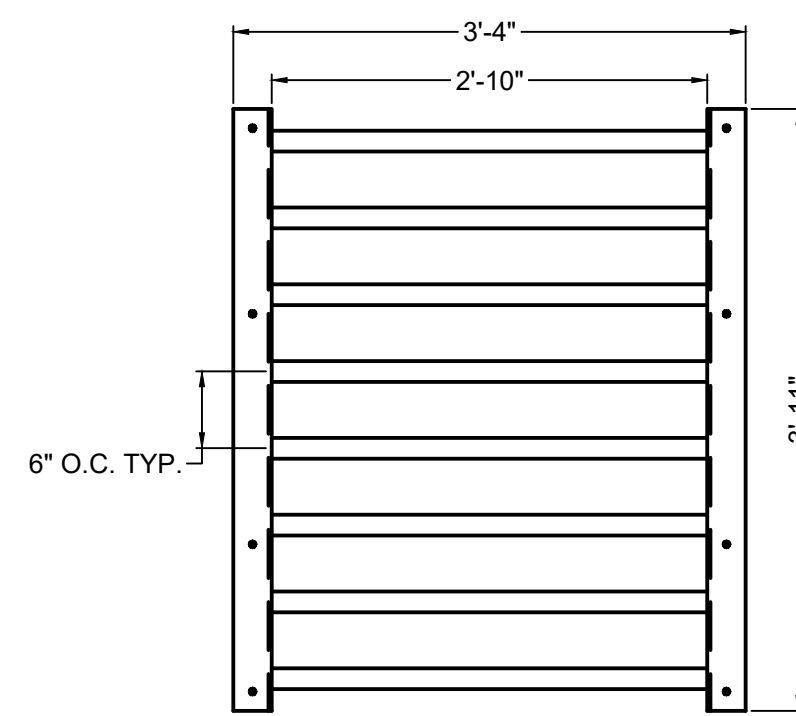
SHEET
 PND
 28



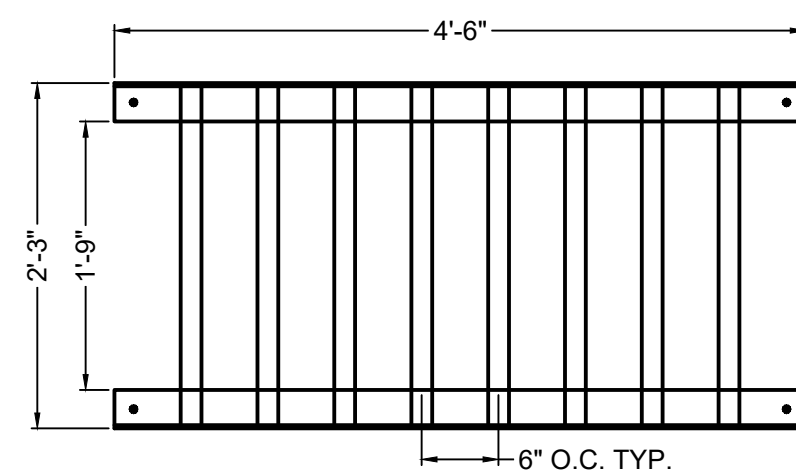
SECTION VIEW B-B
FRONT FACE
SCALE: 1" = 1-1/4'



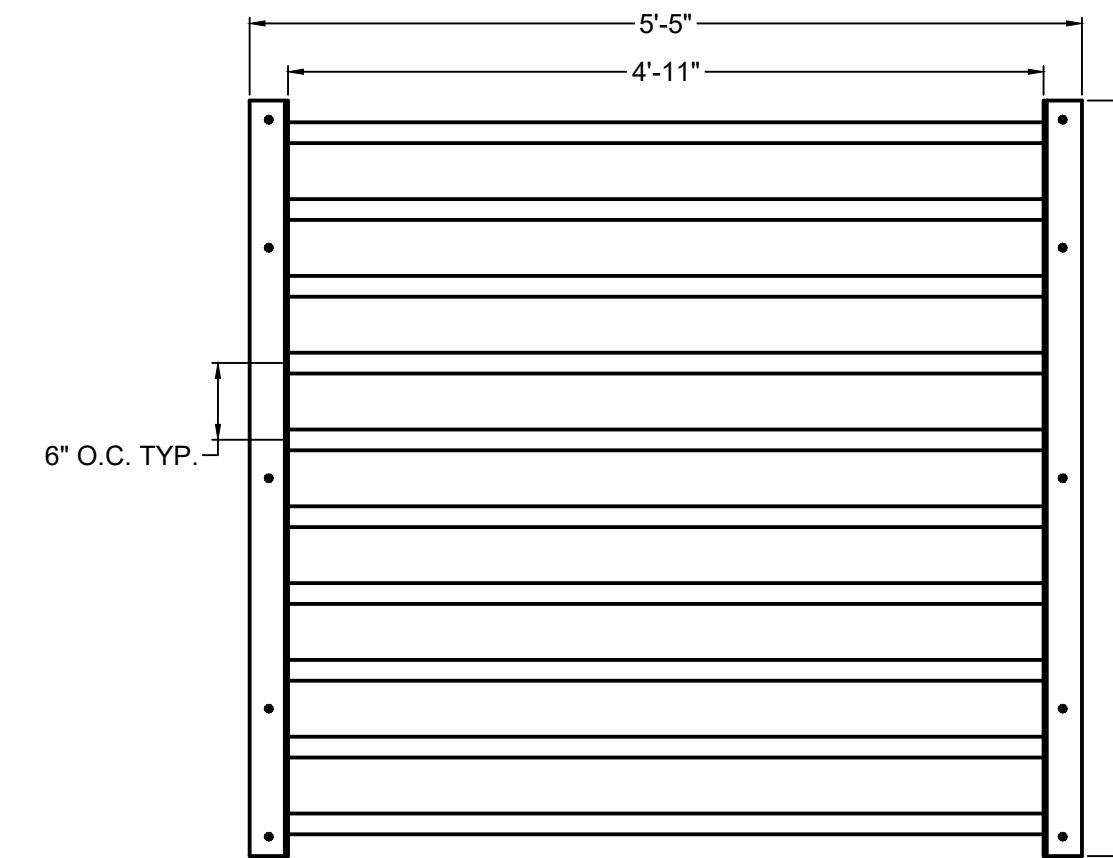
SECTION VIEW C-C
RESTRICTOR PLATE
SCALE: 1" = 1-1/4'



ELEVATION VIEW
MICROPOOL TOP GRATE
SCALE: 1" = 1-1/4'



ELEVATION VIEW
MICROPOOL FRONT GRATE
SCALE: 1" = 1-1/4'



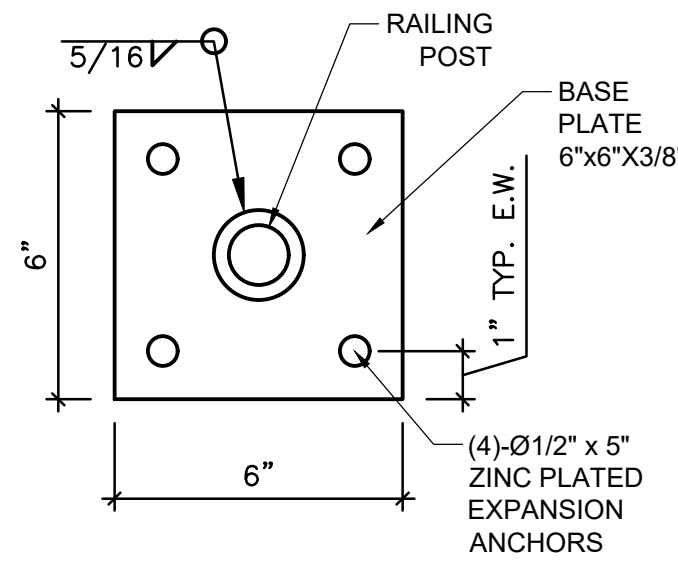
PLAN VIEW
SAFETY GRATE - QTY. 6
SCALE: 1" = 1-1/4'

TWO SIGNS SHALL BE INSTALLED AROUND THE POND PERIMETER. THE SIGNS SHALL BE CONSTRUCTED OF A DURABLE MATERIAL SUCH AS METAL OR PLASTIC AND HAVE RED LETTERING ON A WHITE BACKGROUND WITH THE BELOW MESSAGE.

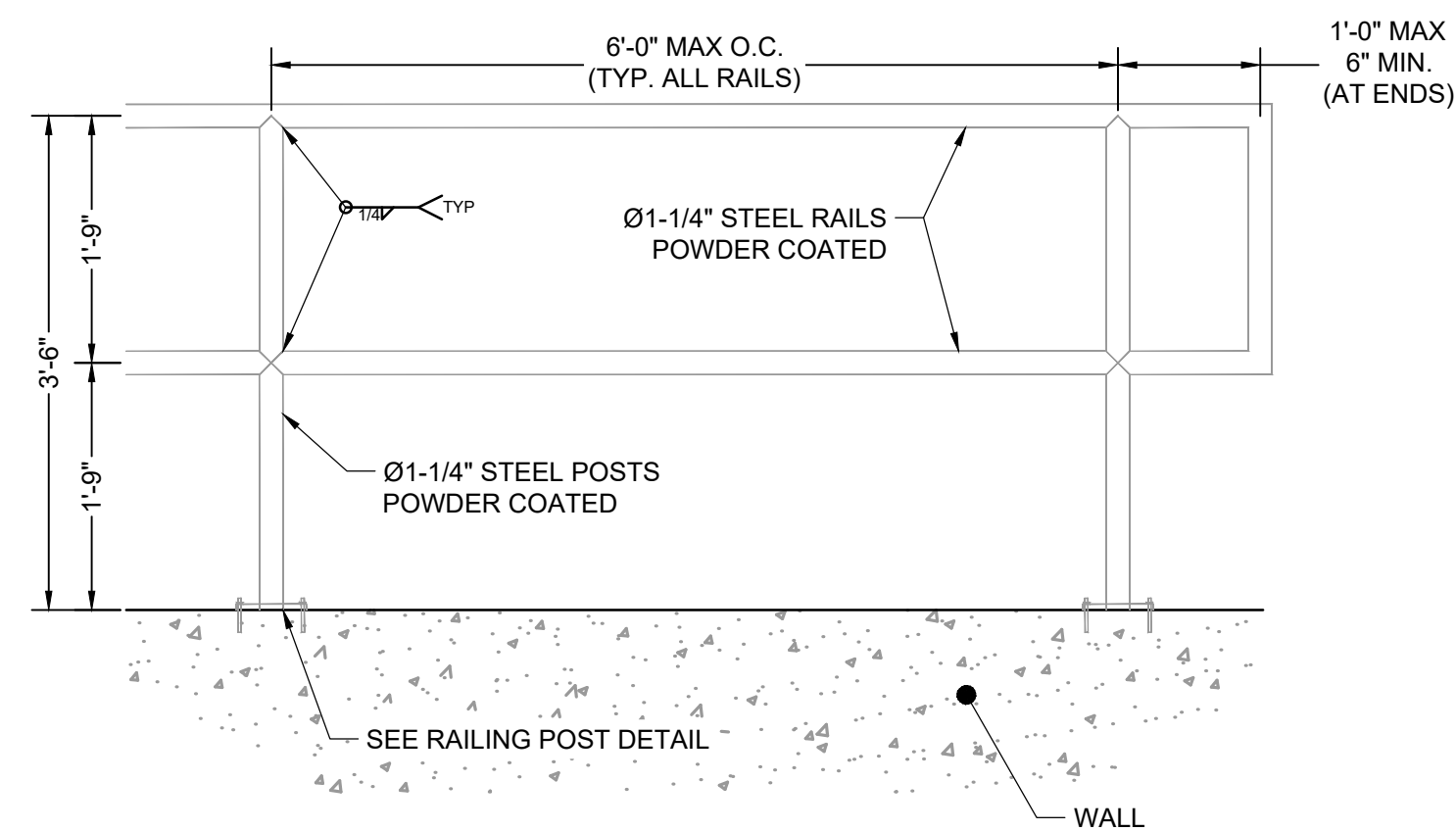
WARNING:
THIS AREA IS A
STORMWATER
FACILITY AND
IS SUBJECT TO
PERIODIC
FLOODING

Minimum Sign Area: 3 sqft

POND WARNING SIGN
DETAIL
SCALE: N.T.S.



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



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

SAFETY GRATES/TRASH RACK NOTES:

- TRASH RACKS AND SAFETY GRATES SHALL BE 1-1/2" SCH. 40 STEEL PIPE, @ 6" CENTERS BOUNDED BY 3"x3"x1/4" ANGLE IRON. ALL GRATES SHALL BE MOUNTED USING ZINC PLATED STEEL HARDWARE.
- REMOVABLE GRATE SECTIONS SHALL BE MOUNTED USING ZINC PLATED STEEL HARDWARE AND PROVIDED WITH HINGED & LOCKABLE OR BOLTABLE ACCESS PANELS AS SHOWN ON THE PLANS.
- STEEL GRATES SHALL BE HOT DIP GALVANIZED AND MAY BE HOT POWDER COATED AFTER GALVANIZING.
- STRUCTURAL STEEL FOR GRATES SHALL BE GALVANIZED AND SHALL BE IN ACCORDANCE WITH CDOT STANDARD SPECIFICATIONS, SUBSECTION 712.06.
- CONTRACTOR SHALL SUBMIT SHOP DRAWINGS FOR GRATING FOR ENGINEER'S APPROVAL PRIOR TO CONSTRUCTION.

RESTRICTOR PLATE NOTES:

- 3/8" THICK RESTRICTOR PLATE, GALVANIZED STEEL.
- BOLT PLATE TO CONCRETE @ 12" O.C. MAX.
- PROVIDE CONTINUOUS NEOPRENE GASKET MATERIAL BETWEEN PLATE AND CONCRETE.
- CONTRACTOR SHALL SUBMIT SHOP DRAWINGS FOR RESTRICTOR PLATE FOR ENGINEER'S APPROVAL PRIOR TO CONSTRUCTION.

DRAWN BY: CMD	JOB DATE: 10/31/24	BAR IS ONE INCH ON OFFICIAL DRAWINGS.
APPROVED: RDL	JOB NUMBER: 211030.240	0
CAD DATE: 8/22/2024		IF NOT ONE INCH, ADJUST SCALE ACCORDINGLY.
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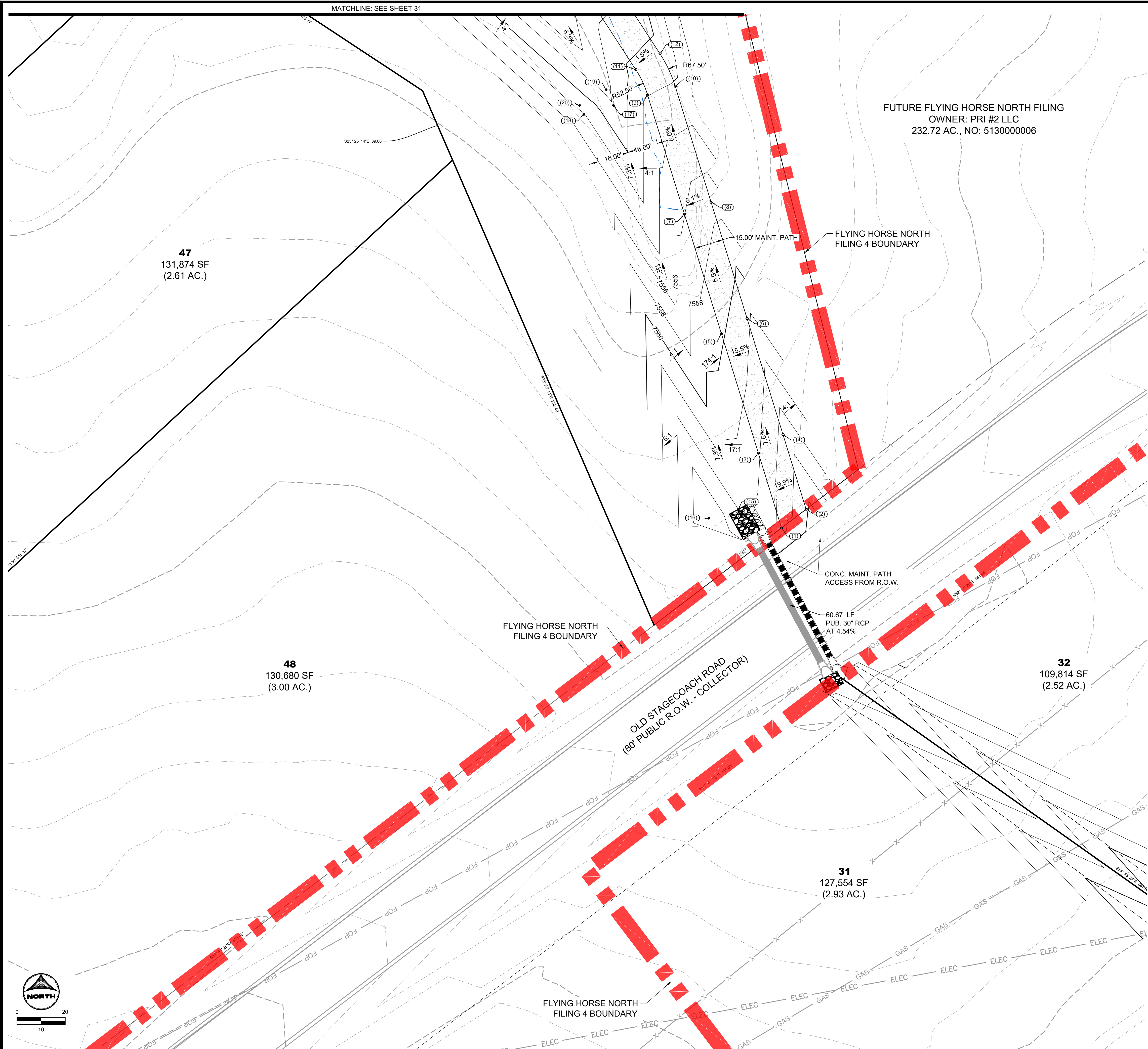
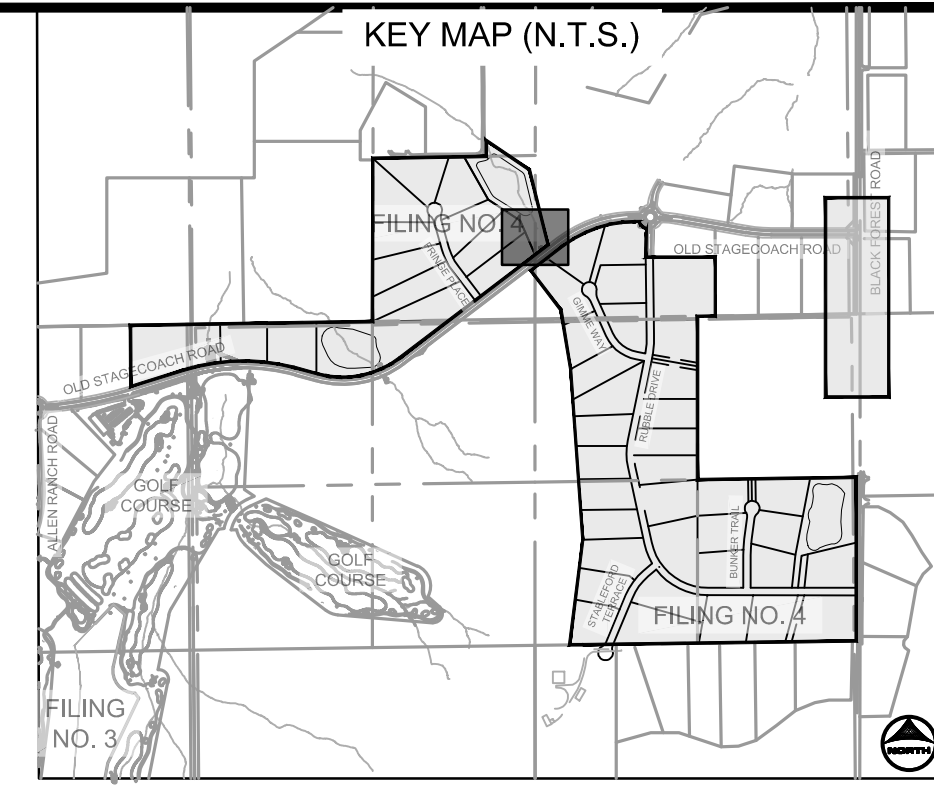
NO.	DATE	BY	REVISION DESCRIPTION



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1975 RESEARCH PARKWAY SUITE 160
COLORADO SPRINGS, CO 80920
PHONE: 719.300.4140
FAX: 713.965.0044

FLYING HORSE NORTH FILING 4
PRI #2, LLC.
EL PASO COUNTY, CO

POND B OUTLET STRUCTURE DETAILS



FUTURE FLYING HORSE NORTH FILING
OWNER: PRI #2 LLC
232.72 AC., NO: 513000006

47
131,874 SF
(2.61 AC.)

48
130,680 SF
(3.00 AC.)

32
109,814 SF
(2.52 AC.)

31
127,554 SF
(2.93 AC.)

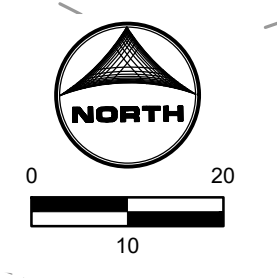
POINT TABLE			
No.	DESC.	NORTHING & EASTING	ELEV.
(1)	Begin Maint. Road	N: 447637.89 E: 225836.62	7567.48
(2)	Begin Maint. Road	N: 447647.57 E: 225849.33	7569.68
(3)	Maint. Road	N: 447676.64 E: 225824.63	7563.81
(4)	Maint. Road	N: 447686.22 E: 225837.37	7566.56
(5)	Maint. Road	N: 447738.48 E: 225805.51	7559.77
(6)	Maint. Road	N: 447746.34 E: 225818.78	7561.63
(7)	Maint. Road	N: 447800.31 E: 225786.38	7555.97
(8)	Maint. Road	N: 447806.46 E: 225800.18	7557.18
(9)	Maint. Road	N: 447862.14 E: 225767.26	7551.95
(10)	Maint. Road	N: 447866.57 E: 225781.59	7552.25
(11)	Maint. Road	N: 447875.20 E: 225761.14	7550.45
(12)	Maint. Road	N: 447883.36 E: 225773.73	7550.74
(13)	Maint. Road	N: 447930.96 E: 225724.97	7545.24
(14)	Maint. Road	N: 447939.12 E: 225737.55	7545.52
(15)	Swale FL	N: 447647.46 E: 225814.09	7564.05
(16)	Edge of Swale	N: 447642.88 E: 225798.95	7568.00
(17)	Swale FL	N: 447856.68 E: 225749.58	7548.15
(18)	Edge of Swale	N: 447851.95 E: 225734.29	7552.15
(19)	Swale FL	N: 447864.83 E: 225745.82	7547.49
(20)	Edge of Swale	N: 447856.66 E: 225732.06	7551.47

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 SHEET 2.

ABBREVIATIONS:

- T.O.W. - TOP OF WALL
- B.O.P. - BOTTOM OF POND
- T.O.P. - TOP OF POND
- T.C. - TRICKLE CHANNEL
- G.B. - GRADE BREAK



DRAWN BY: CMD JOB DATE: 10/31/24 BAR IS ONE INCH ON OFFICIAL DRAWINGS.
 APPROVED: RDL JOB NUMBER: 211030.240 0" = 1"
 CAD DATE: 8/19/2024 IF NOT ONE INCH, ADJUST SCALE ACCORDINGLY.
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NO.	DATE	BY	REVISION DESCRIPTION

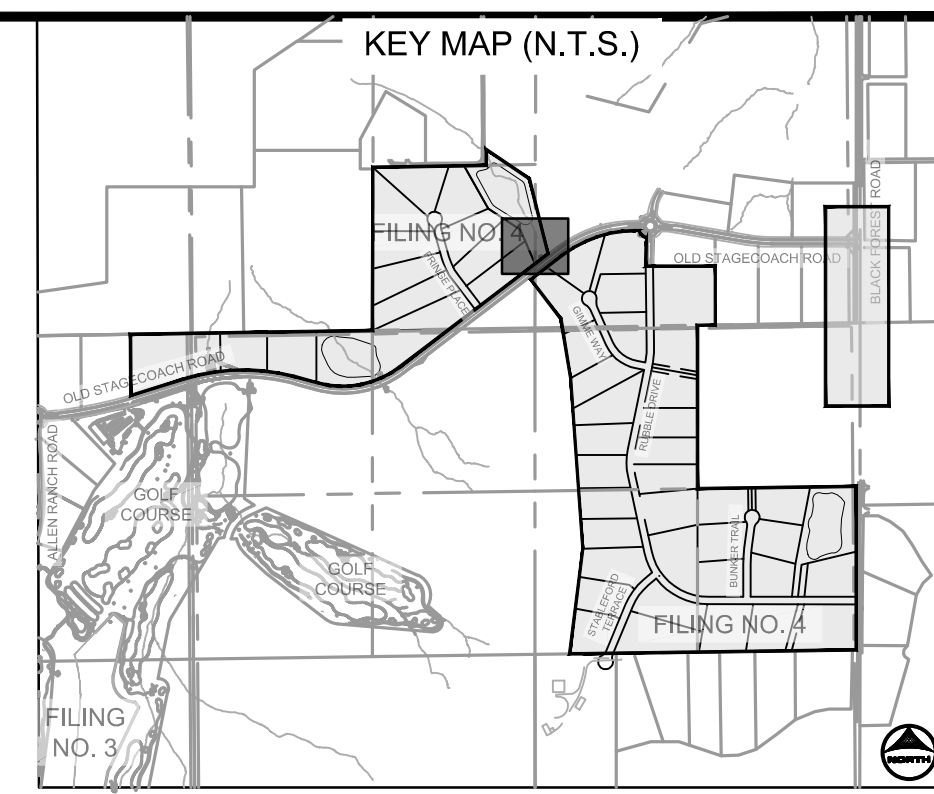
HRGreen
 HR GREEN - COLORADO SPRINGS
 1975 RESEARCH PARKWAY SUITE 160
 COLORADO SPRINGS, CO 80920
 PHONE: 719.300.4140
 FAX: 713.965.0044

FLYING HORSE NORTH FILING 4
 PRI #2, LLC.
 EL PASO COUNTY, CO

POND DETAILS
 POND C GRADING PLAN

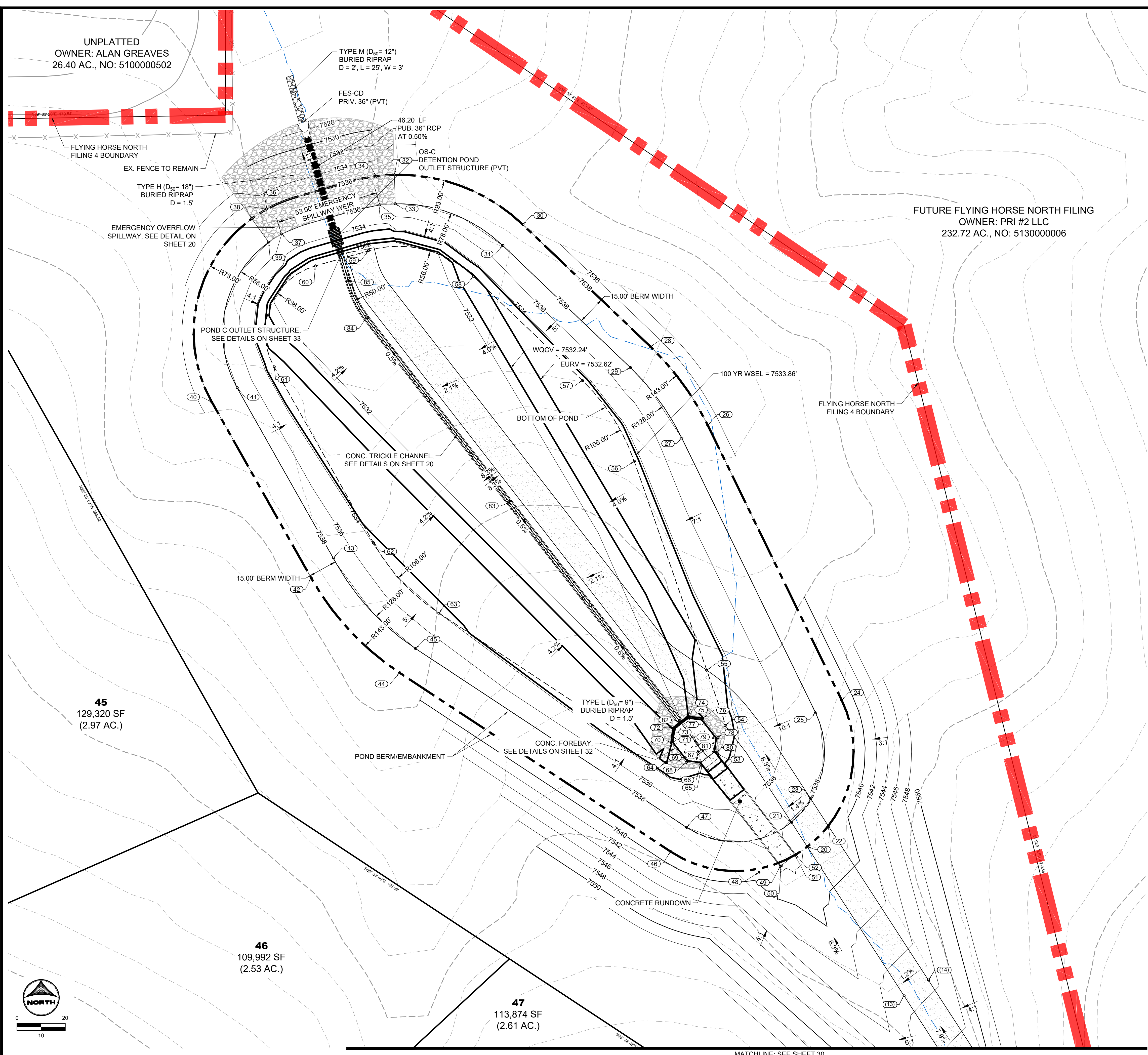
SHEET
 PND
 30

DOMBROWSKI, COLIN, 11/17/2024 8:26 AM



UNPLATTED
OWNER: ALAN GREAVES
26.40 AC., NO: 5100000502

FUTURE FLYING HORSE NORTH FILING
OWNER: PRI #2 LLC
232.72 AC., NO: 513000006

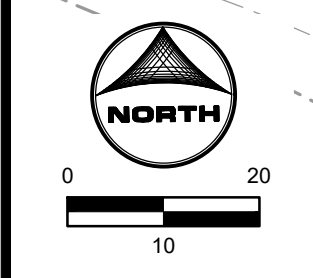


POINT TABLE			
No.	DESC.	NORTHING & EASTING	ELEV
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21	Maint. Road/TOP	N: 448020.80 E: 225666.86	7538.00
22	Maint. Road/TOP	N: 448018.95 E: 225668.76	7538.05
23	Maint. Road/TOP	N: 448033.04 E: 225676.82	7538.00
24	TOP	N: 448084.00 E: 225699.89	7538.00
25	TOP	N: 448077.43 E: 225678.20	7538.00
26	TOP	N: 448226.26 E: 225682.87	7538.00
27	TOP	N: 448219.70 E: 225682.87	7538.00
28	TOP	N: 448267.00 E: 225682.87	7538.00
29	TOP	N: 448256.16 E: 225683.32	7538.00
30	TOP	N: 448330.17 E: 225692.22	7538.00
31	TOP	N: 448319.33 E: 225692.22	7538.00
32	Spillway	N: 448355.94 E: 225698.93	7538.00
33	Spillway	N: 448340.95 E: 225698.93	7538.00
34	Spillway Crest	N: 448355.25 E: 225451.84	7536.00
35	Spillway Crest	N: 448340.36 E: 225395.00	7536.00
36	Spillway Crest	N: 448338.14 E: 225395.00	7536.00
37	Spillway Crest	N: 448325.33 E: 225402.85	7536.00
38	Spillway	N: 448333.22 E: 225387.28	7538.00
39	Spillway	N: 448321.07 E: 225398.07	7538.00
40	TOP	N: 448238.32 E: 225366.88	7538.00
41	TOP	N: 448245.70 E: 225379.74	7538.00
42	TOP	N: 448147.23 E: 225418.11	7538.00
43	TOP	N: 448157.58 E: 225429.53	7537.99
44	TOP	N: 448098.18 E: 225463.87	7538.00
45	TOP	N: 448110.70 E: 225472.13	7538.00
46	TOP	N: 448005.60 E: 225504.16	7538.00
47	TOP	N: 448018.12 E: 225612.42	7538.00
48	TOP/Edge of Swale	N: 447994.87 E: 225649.93	7538.81
49	Rundown TOW	N: 447997.86 E: 225660.87	7539.00
50	Rundown BOW	N: 447998.20 E: 225661.35	7537.50
51	Rundown BOW	N: 448003.74 E: 225668.48	7537.50
52	Rundown TOW	N: 448004.05 E: 225668.88	7539.00

POINT TABLE			
No.	DESC.	NORTHING & EASTING	ELEV
53	BOP/Rundown TOW	N: 448056.19 E: 225626.34	7533.24
54	Maint. Road/BOP	N: 448070.90 E: 225632.34	7533.41
55	Maint. Road/BOP	N: 448099.51 E: 225622.87	7532.98
56	BOP	N: 448207.65 E: 225684.47	7533.41
57	BOP	N: 448248.49 E: 225658.47	7533.34
58	BOP	N: 448303.43 E: 225692.07	7532.50
59	BOP	N: 448316.76 E: 225692.07	7531.35
60	BOP	N: 448308.79 E: 225692.07	7531.34
61	BOP	N: 448256.51 E: 225698.90	7532.83
62	BOP	N: 448165.42 E: 225698.90	7533.92
63	BOP	N: 448129.02 E: 225698.90	7534.00
64	BOP	N: 448051.70 E: 225698.90	7532.56
65	BOP/Rundown TOW	N: 448050.00 E: 225698.90	7533.24
66	Forebay Outer	N: 448050.85 E: 225698.93	7533.16
67	Forebay Inner	N: 448051.80 E: 225698.93	7531.66
68	Forebay Outer	N: 448051.80 E: 225698.93	7533.22
69	Forebay Inner	N: 448052.67 E: 225698.93	7531.62
70	Forebay Outer	N: 448061.95 E: 225698.93	7532.58
71	Forebay Inner	N: 448062.21 E: 225698.93	7531.49
72	Forebay Outer	N: 448069.65 E: 225698.93	7532.19
73	Forebay Inner	N: 448069.15 E: 225698.93	7531.46
74	Forebay Outer	N: 448075.67 E: 225698.93	7532.19
75	Forebay Inner	N: 448074.70 E: 225698.93	7531.46
76	Forebay Outer	N: 448074.71 E: 225698.93	7532.58
77	Forebay Inner	N: 448073.83 E: 225698.93	7531.49
78	Forebay Outer	N: 448064.56 E: 225698.93	7533.22
79	Forebay Inner	N: 448064.29 E: 225698.93	7531.62
80	Forebay Outer	N: 448057.01 E: 225698.93	7533.16
81	Forebay Inner	N: 448057.35 E: 225698.93	7531.66
82	TC Flow Line	N: 448072.66 E: 225698.93	7531.43
83	TC Flow Line	N: 448186.26 E: 225698.93	7530.71
84	TOP	N: 448281.82 E: 225446.60	7530.11
85	TC Flow Line	N: 448301.23 E: 225437.29	7530.00

- 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 SHEET 2.

- ABBREVIATIONS:**
- T.O.W. - TOP OF WALL
 - B.O.P. - BOTTOM OF POND
 - T.O.P. - TOP OF POND
 - T.C. - TRICKLE CHANNEL
 - G.B. - GRADE BREAK



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 CAD DATE: 8/19/2024
 CAD FILE: J:\2021\211030\CAD\Drawings\C\Filing_No_4\Pond_C_Grading

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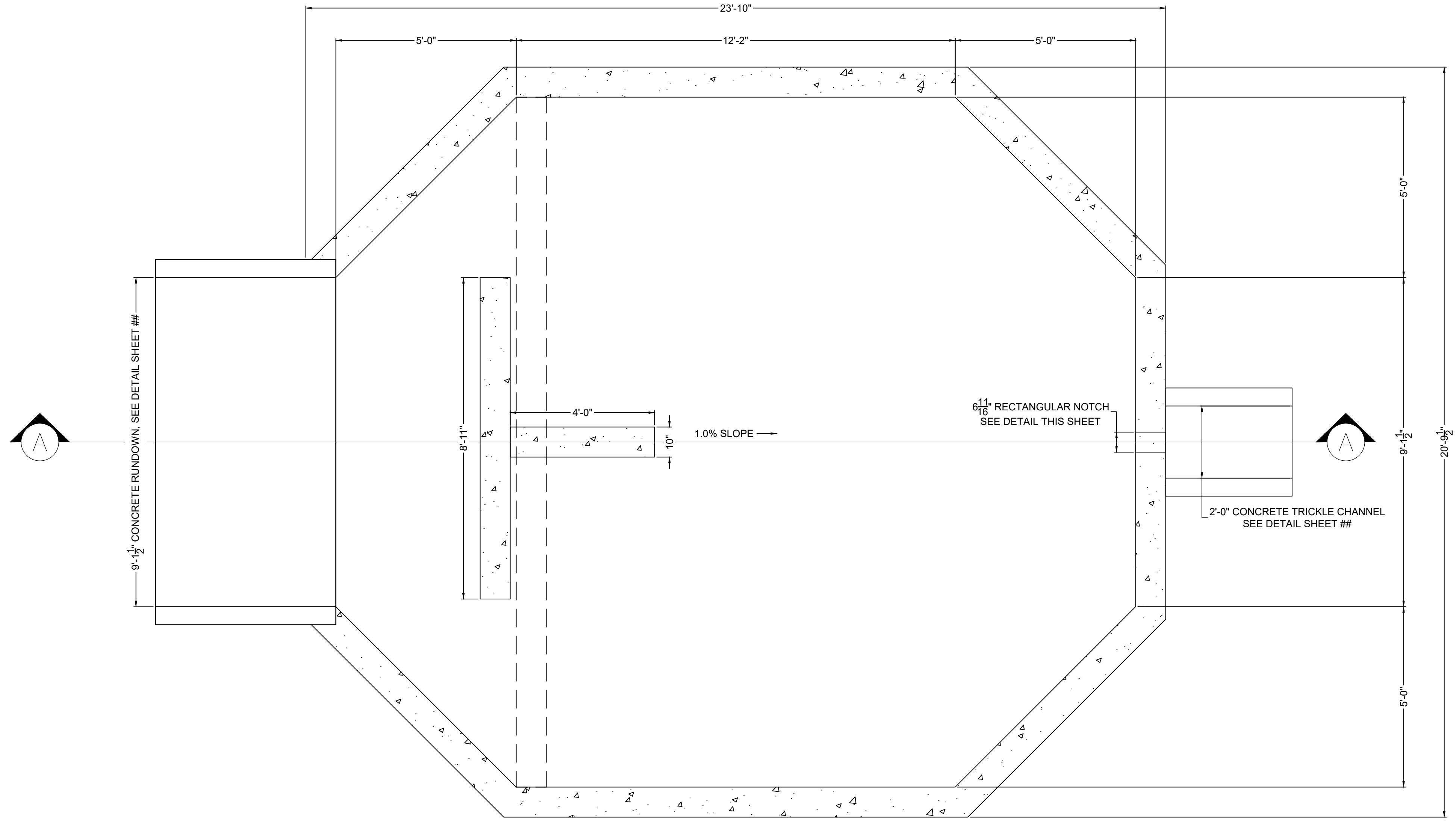
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 1975 RESEARCH PARKWAY SUITE 160
 COLORADO SPRINGS, CO 80920
 PHONE: 719.300.4140
 FAX: 719.965.0044

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 EL PASO COUNTY, CO

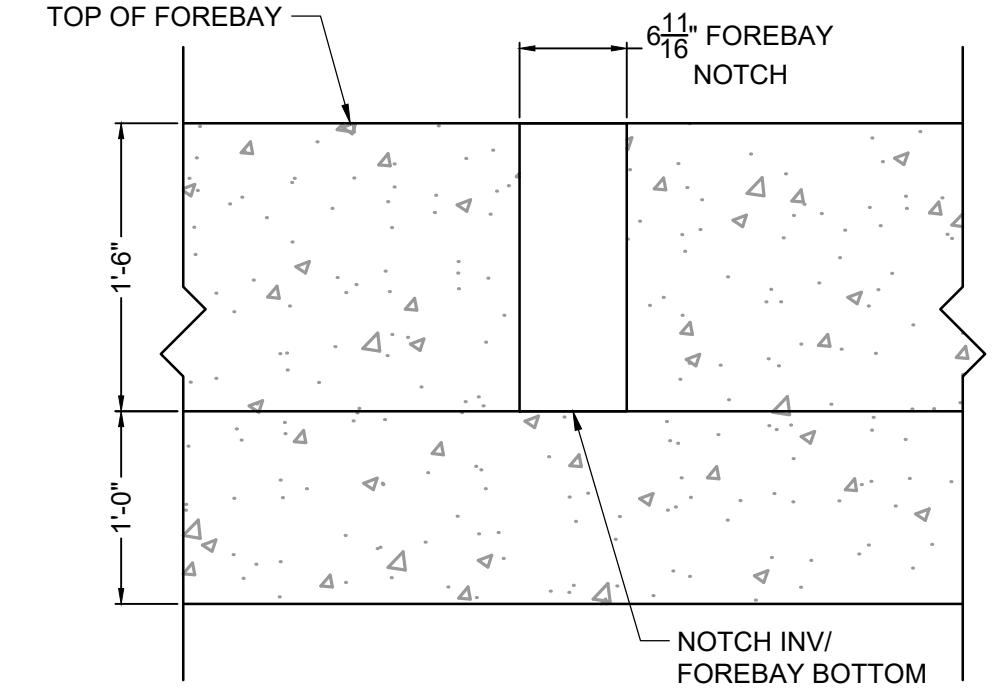
POND DETAILS
 POND C GRADING PLAN

SHEET
 PND
 31

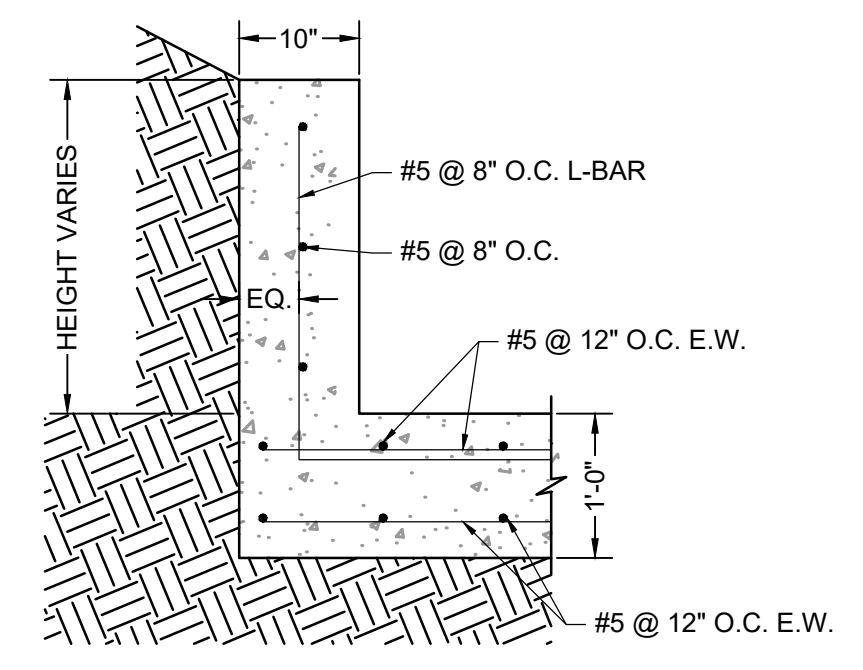
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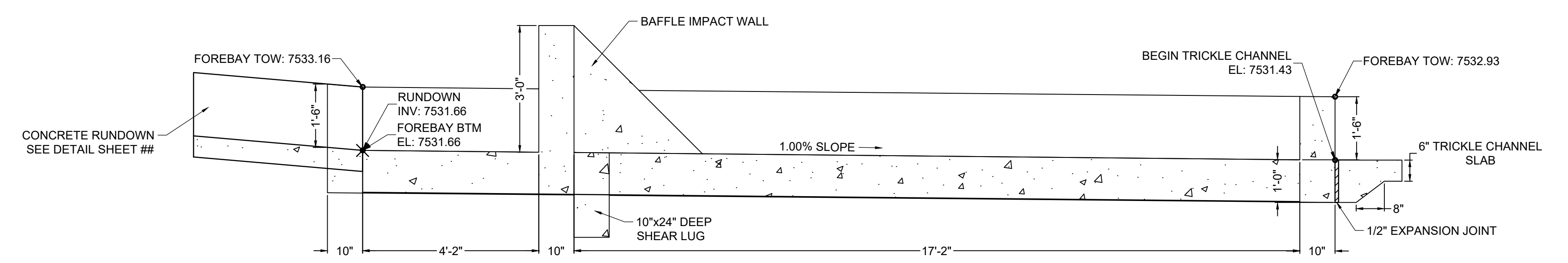
PLAN VIEW
FOREBAY C
SCALE: 1"=2'



FOREBAY C NOTCH DETAIL
SCALE: NTS



ELEVATION VIEW
FOREBAY REINFORCING DETAIL
SCALE: NTS



SECTION VIEW A-A
FOREBAY C
SCALE: 1"=2'

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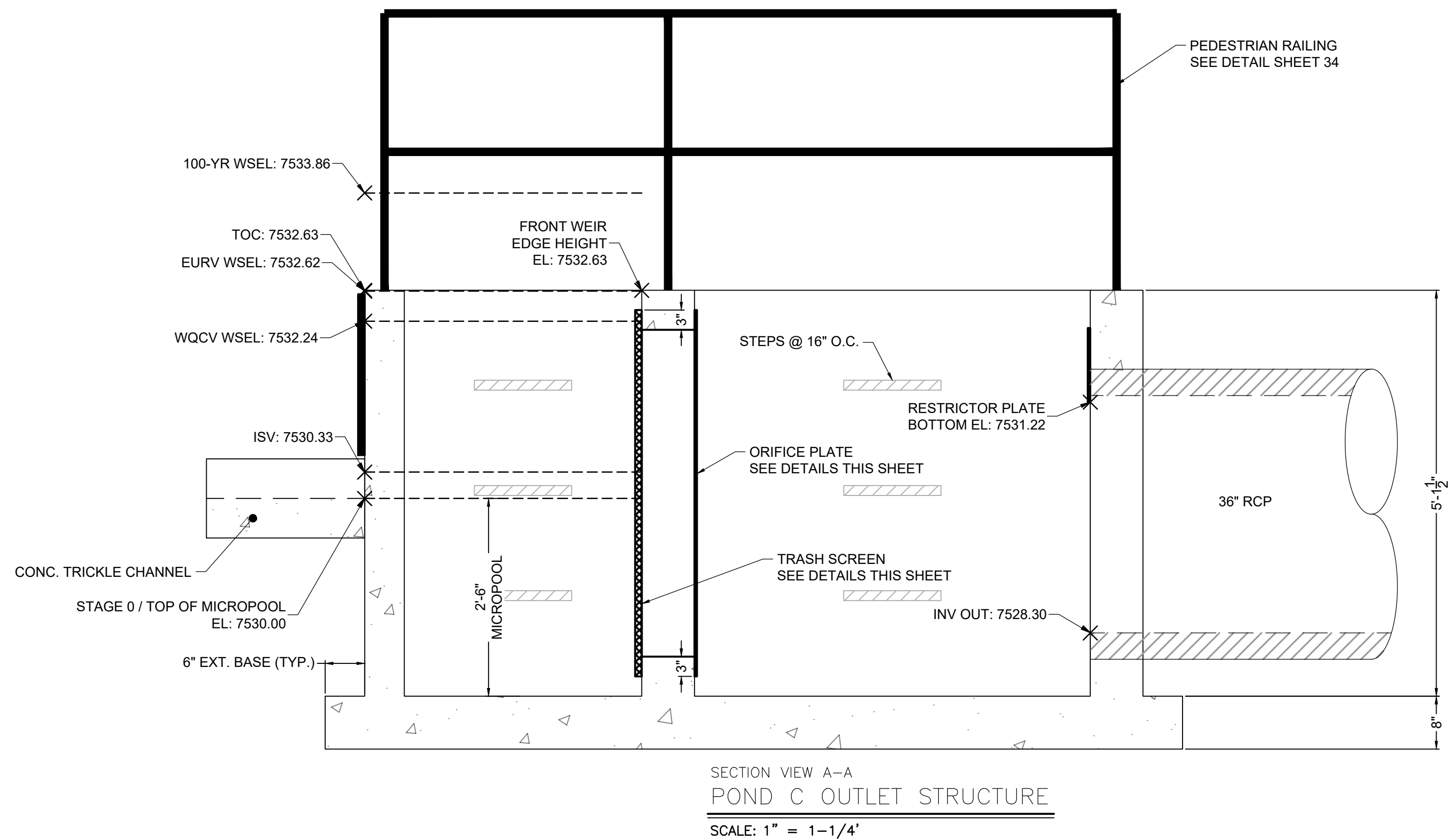
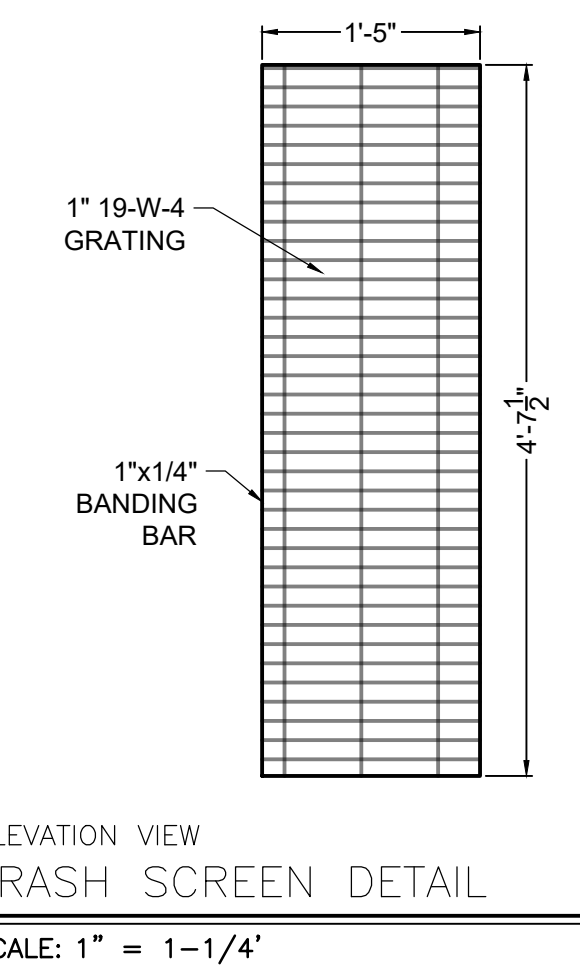
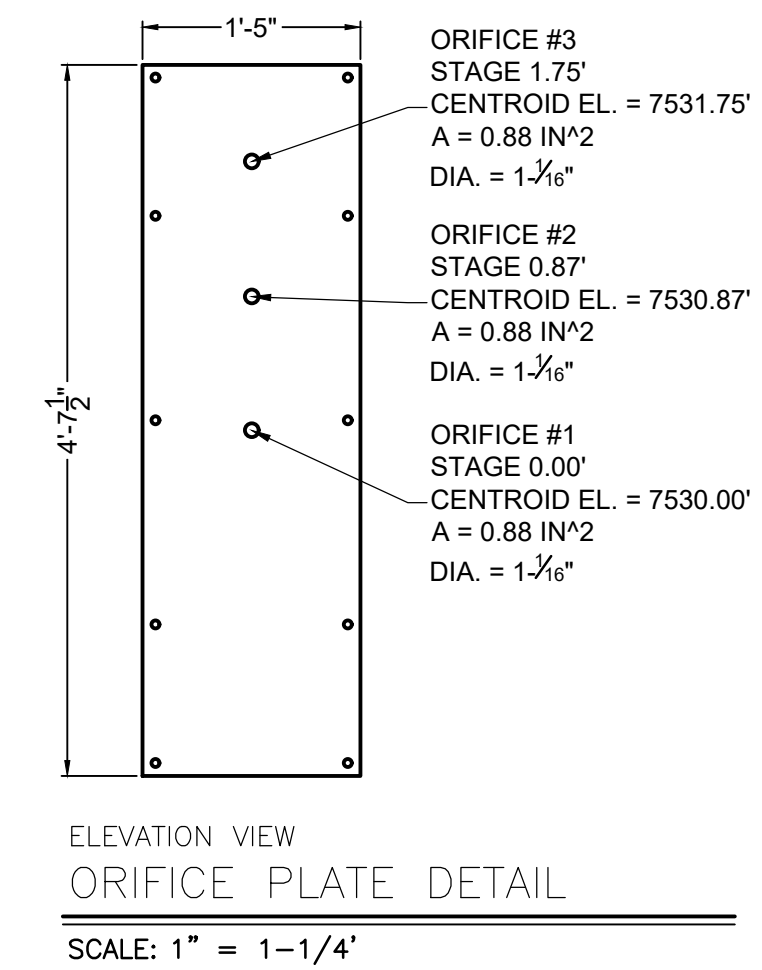
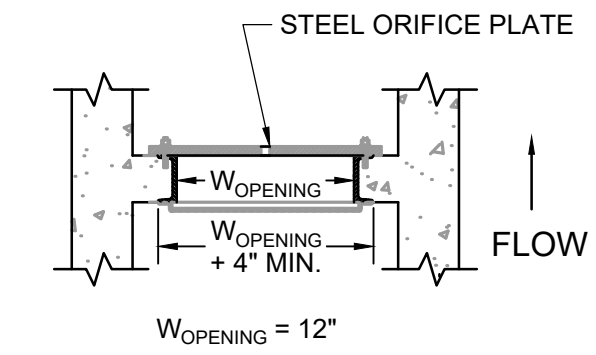
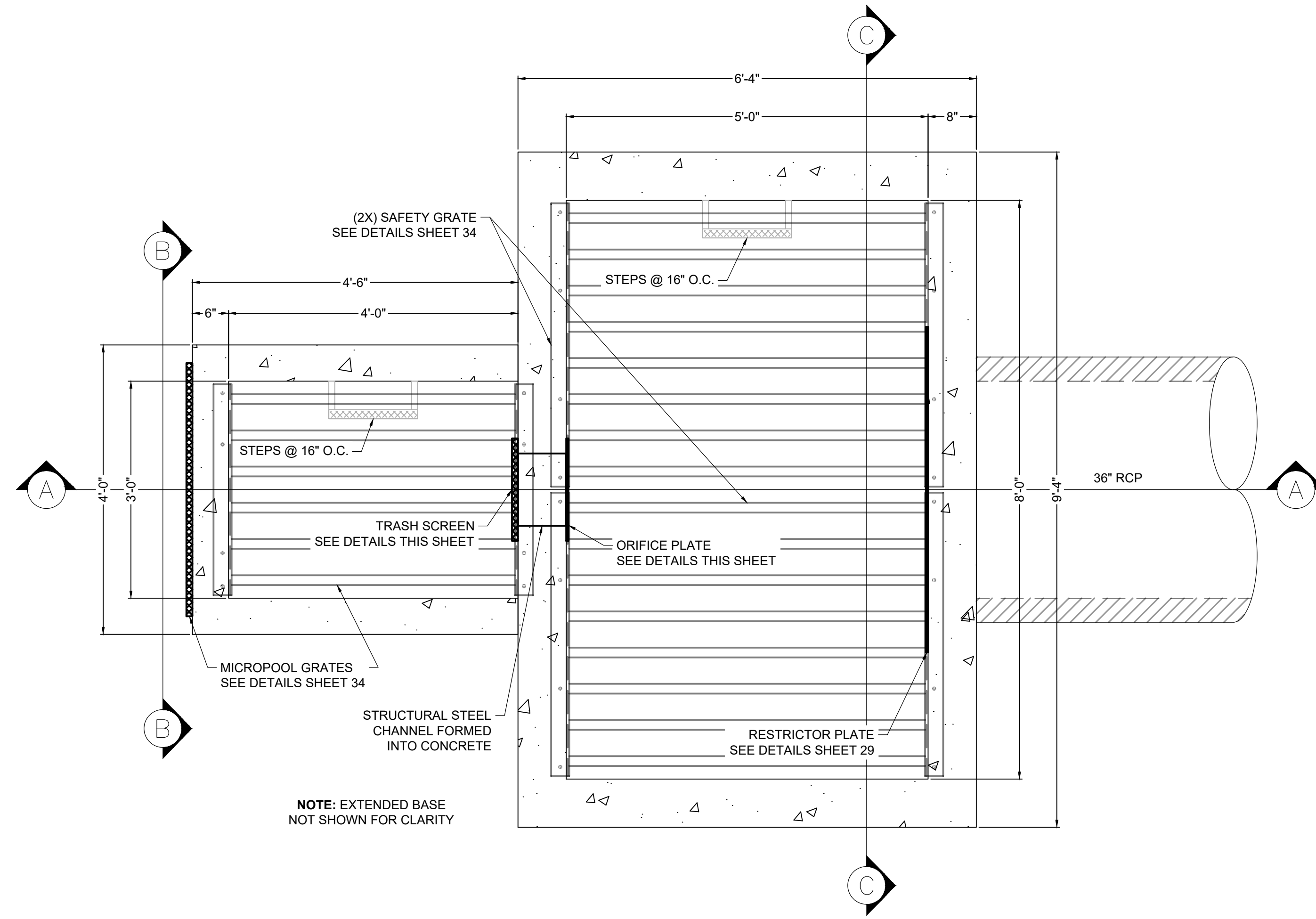
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POND DETAILS
 POND C FOREBAY

SHEET
 PND
 32

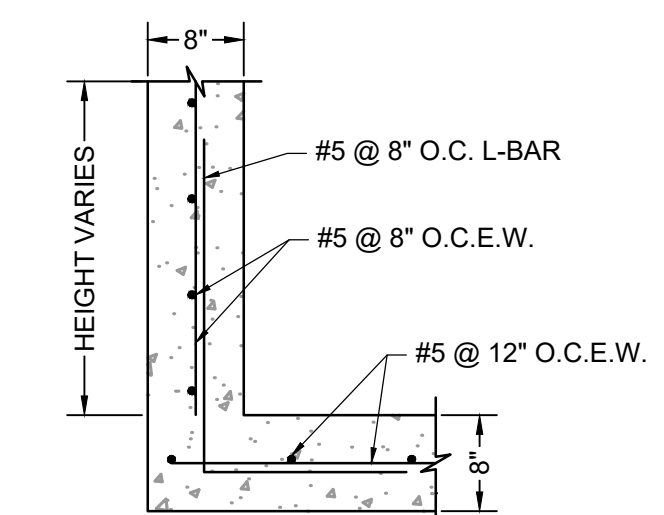


TRASH SCREEN NOTES:

1. TRASH SCREEN SHALL BE STEEL AND SHALL BE ATTACHED BY INTERMITTENT WELDS ALONG THE EDGE OF THE MOUNTING FRAME.
2. TRASH SCREEN 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).
3. STRUCTURAL DESIGN OF TRASH RACKS SHALL BE BASED ON FULL HYDROSTATIC HEAD WITH ZERO HEAD DOWNSTREAM OF THE RACK.
4. CONTRACTOR SHALL SUBMIT SHOP DRAWINGS FOR TRASH SCREEN FOR ENGINEER'S APPROVAL PRIOR TO CONSTRUCTION.

ORIFICE PLATE NOTES:

1. PLATE TO BE 3/8" THICK GALVANIZED STEEL.
2. BOLT PLATE TO CONCRETE 16" O.C. MAX.
3. PROVIDE CONTINUOUS NEOPRENE GASKET MATERIAL BETWEEN THE ORIFICE PLATE AND CONCRETE.
4. CONTRACTOR SHALL SUBMIT SHOP DRAWINGS FOR ORIFICE PLATE FOR ENGINEER'S APPROVAL PRIOR TO CONSTRUCTION.



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CAD DATE: 8/22/2024		IF NOT ONE INCH, ADJUST SCALE ACCORDINGLY.
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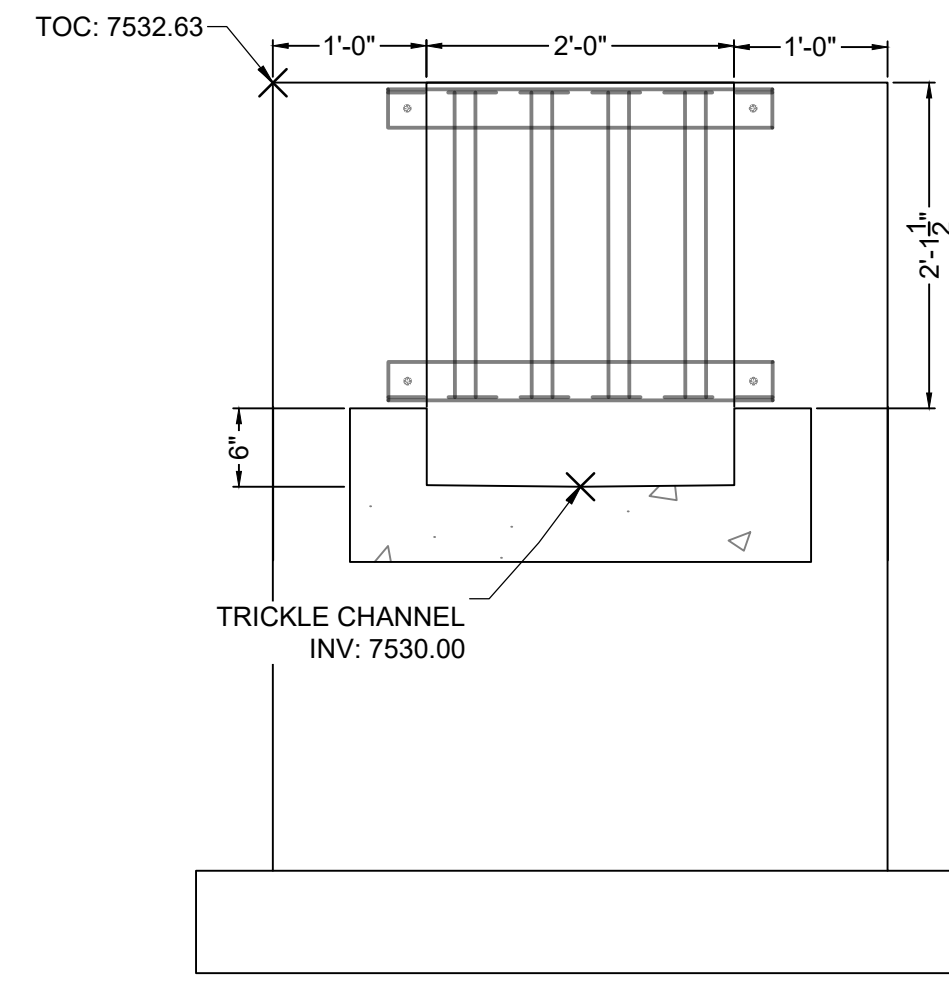
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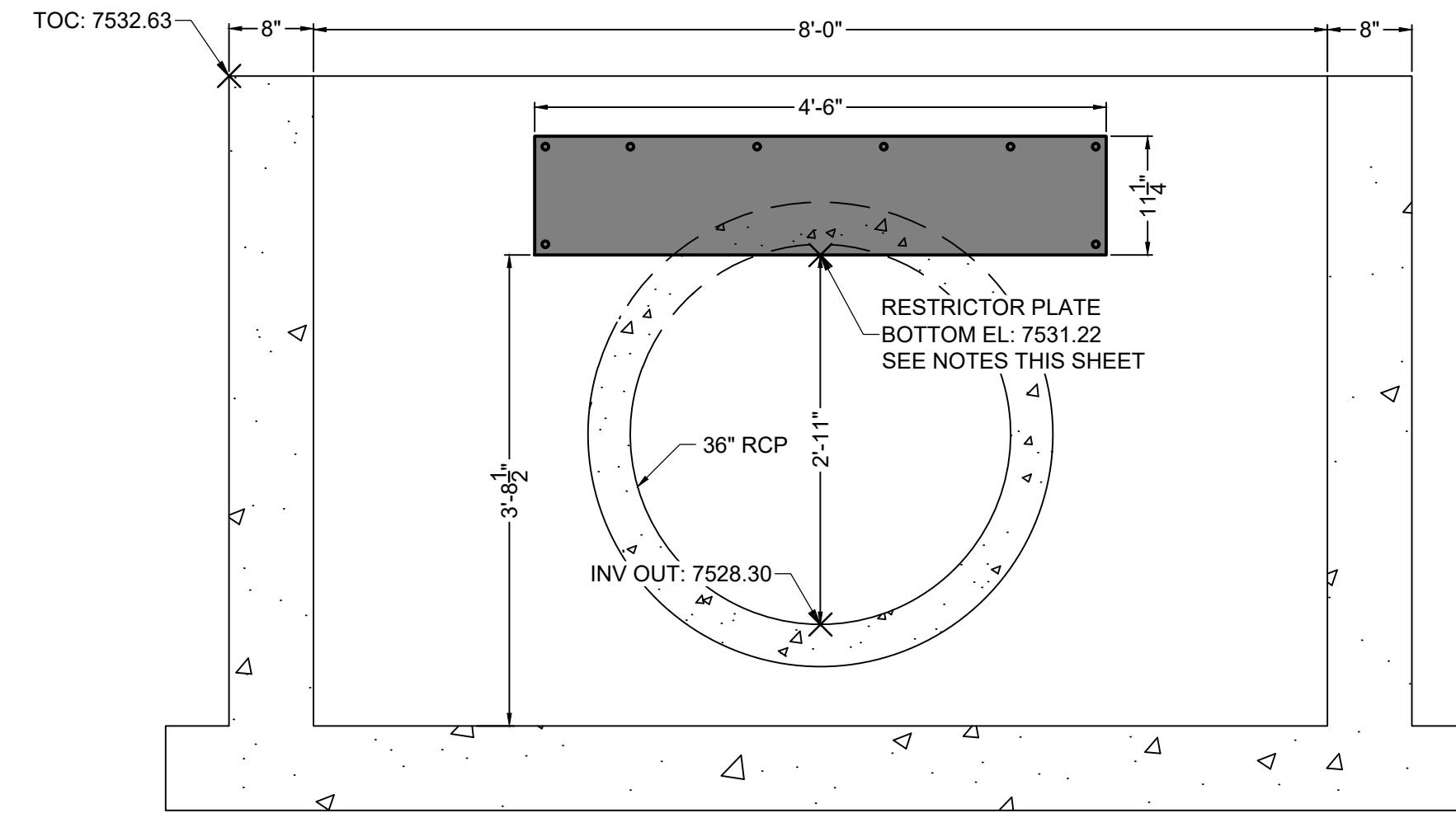
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POND DETAILS
 POND C OUTLET STRUCTURE

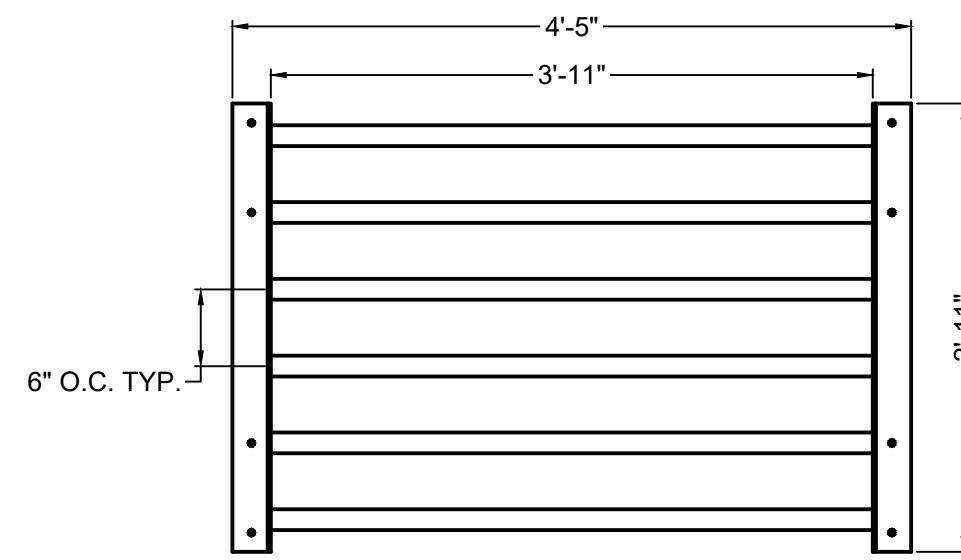
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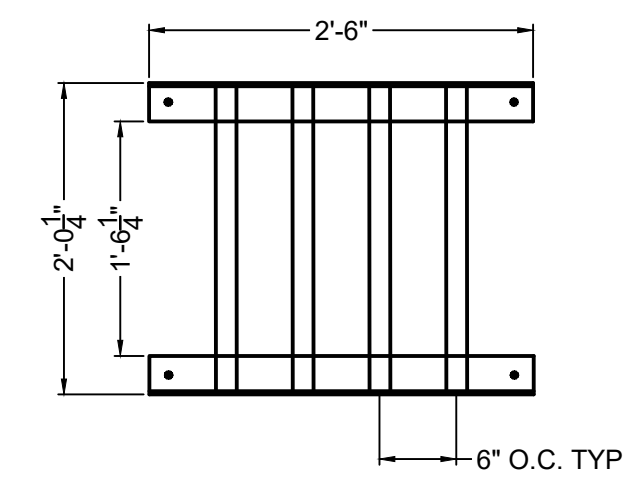
SECTION VIEW B-B
FRONT FACE
SCALE: 1" = 1-1/4'



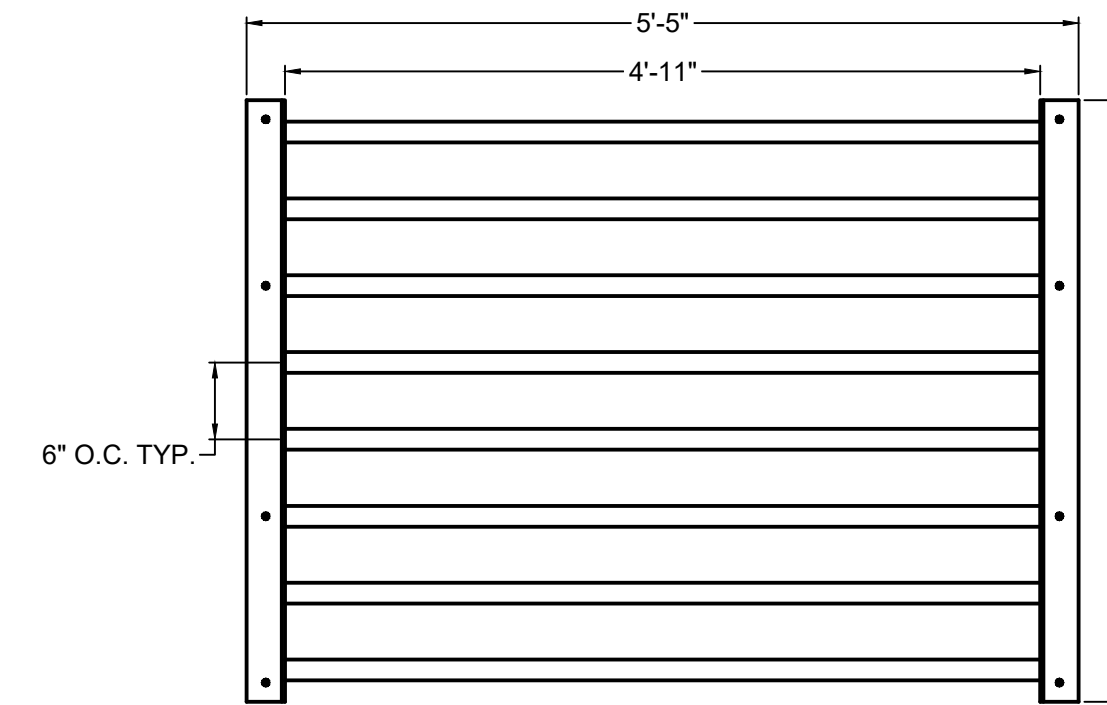
SECTION VIEW C-C
RESTRICTOR PLATE
SCALE: 1" = 1-1/4'



ELEVATION VIEW
MICROPOOL TOP GRATE
SCALE: 1" = 1-1/4'



ELEVATION VIEW
MICROPOOL FRONT GRATE
SCALE: 1" = 1-1/4'



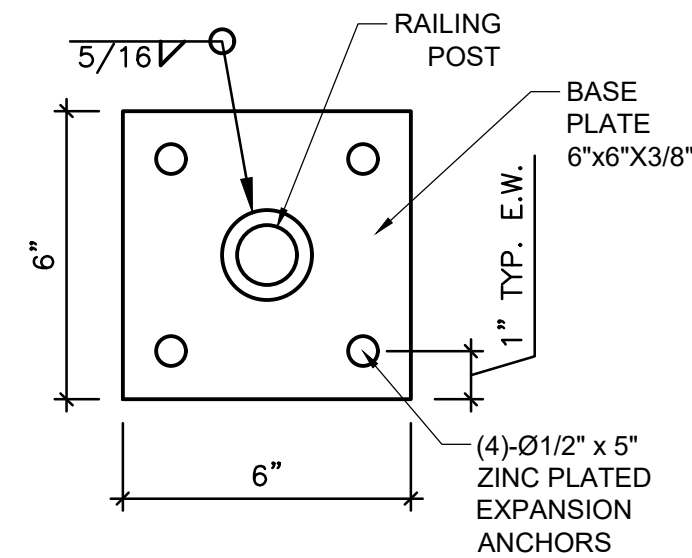
PLAN VIEW
SAFETY GRATE - QTY. 2
SCALE: 1" = 1-1/4'

TWO SIGNS SHALL BE INSTALLED AROUND THE POND PERIMETER. THE SIGNS SHALL BE CONSTRUCTED OF A DURABLE MATERIAL SUCH AS METAL OR PLASTIC AND HAVE RED LETTERING ON A WHITE BACKGROUND WITH THE BELOW MESSAGE.

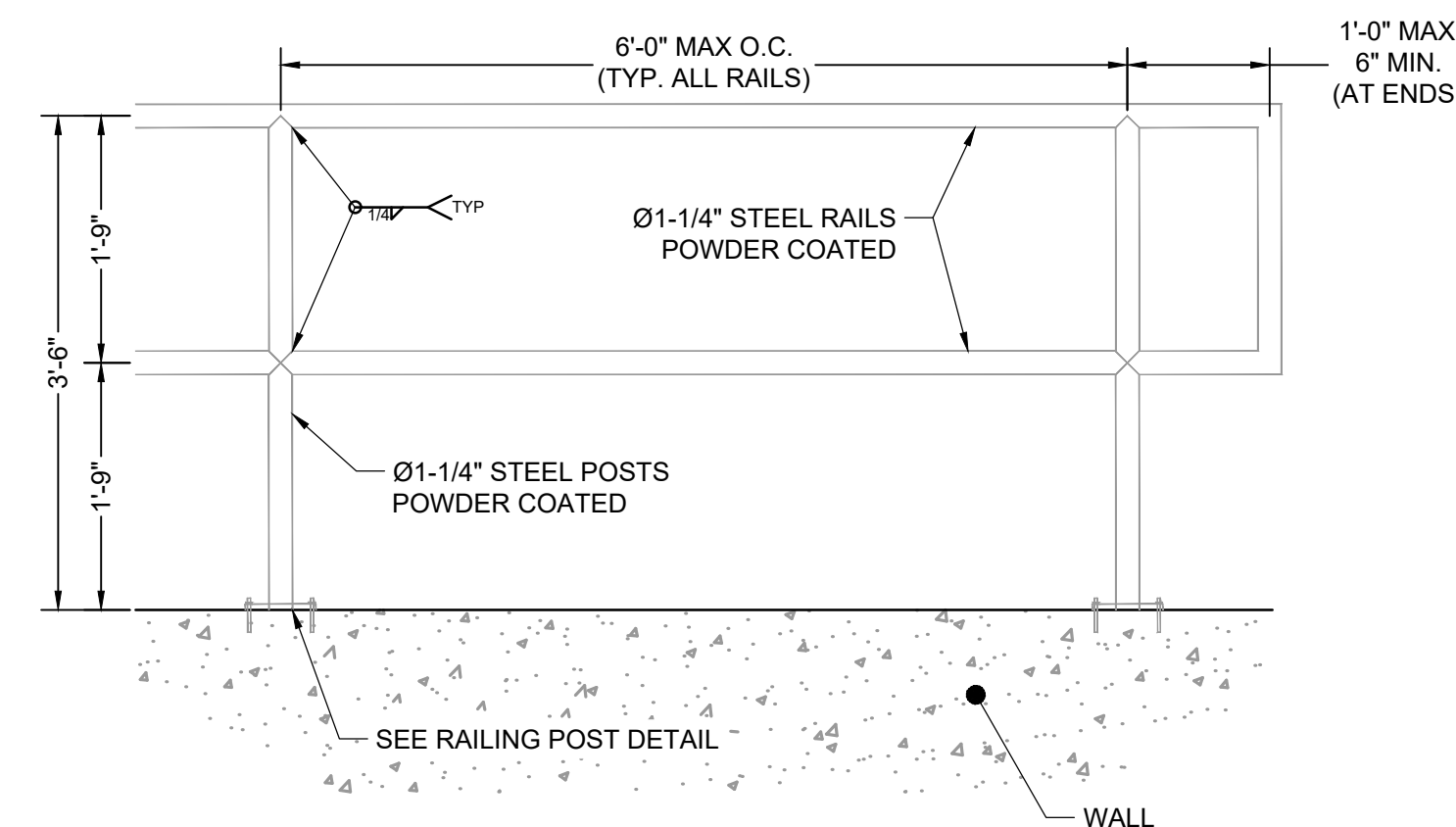
WARNING:
THIS AREA IS A
STORMWATER
FACILITY AND
IS SUBJECT TO
PERIODIC
FLOODING

Minimum Sign Area: 3 sqft

**POND WARNING SIGN
DETAIL**
SCALE: N.T.S.



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



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

SAFETY GRATES/TRASH RACK NOTES:

- TRASH RACKS AND SAFETY GRATES SHALL BE 1-1/2" SCH. 40 STEEL PIPE, @ 6" CENTERS BOUNDED BY 3"x3"x1/4" ANGLE IRON. ALL GRATES SHALL BE MOUNTED USING ZINC PLATED STEEL HARDWARE.
- REMOVABLE GRATE SECTIONS SHALL BE MOUNTED USING ZINC PLATED STEEL HARDWARE AND PROVIDED WITH HINGED & LOCKABLE OR BOLTABLE ACCESS PANELS AS SHOWN ON THE PLANS.
- STEEL GRATES SHALL BE HOT DIP GALVANIZED AND MAY BE HOT POWDER COATED AFTER GALVANIZING.
- STRUCTURAL STEEL FOR GRATES SHALL BE GALVANIZED AND SHALL BE IN ACCORDANCE WITH CDOT STANDARD SPECIFICATIONS, SUBSECTION 712.06.
- CONTRACTOR SHALL SUBMIT SHOP DRAWINGS FOR GRATING FOR ENGINEER'S APPROVAL PRIOR TO CONSTRUCTION.

RESTRICTOR PLATE NOTES:

- 3/8" THICK RESTRICTOR PLATE, GALVANIZED STEEL.
- BOLT PLATE TO CONCRETE @ 12" O.C. MAX.
- PROVIDE CONTINUOUS NEOPRENE GASKET MATERIAL BETWEEN PLATE AND CONCRETE.
- CONTRACTOR SHALL SUBMIT SHOP DRAWINGS FOR RESTRICTOR PLATE FOR ENGINEER'S APPROVAL PRIOR TO CONSTRUCTION.

NO.	DATE	BY	REVISION DESCRIPTION



GENERAL NOTES

- FOR SIZE AND LOCATION OF PIPES, SEE THE PLANS.
- ALL CONCRETE SHALL BE CLASS B.
- FITTINGS IN ROCK SHALL BE PAIRED OUT TO ROCK AND NOT FORMED IN ACCORDANCE WITH SUBSECTION 601.09(A).
- EXPOSED CONCRETE CORNERS SHALL BE CHAMFERED 1/4" IN.
- HEADWALL SHALL HAVE REINFORCING STEEL INSTALLED IN A PATTERN SIMILAR TO STANDARD PLAN M-601-10.
- THE COST OF REINFORCING STEEL SHALL BE INCLUDED IN THE WORK UNLESS THE STEEL QUANTITIES ARE LISTED IN THE PLANS AND ARE PAID FOR SEPARATELY.

CONCRETE HEADWALL INSTALLATIONS

SEE STANDARD PLAN M-601-10 FOR REINFORCING DETAILS.

PIPE TYPE	MATERIAL	PIPE DIAMETER (AND EQUIVALENT DIAMETER) (IN.)											
		18	24	30	36	42	48	54	60				
CIRCULAR	ROGID	1.0	1.3	1.5	2.0	2.0	2.7	2.8	3.6	3.6	4.6	4.6	6.0
	FLEXIBLE	1.1	1.4	1.6	2.1	2.2	3.0	3.0	4.0	3.9	5.3	5.0	6.8
ELLIPTICAL	ROGID	2.3 x 1.4	3.0 x 1.9	3.8 x 2.4	4.5 x 2.9	5.3 x 3.4	6.0 x 3.8						
	METAL	0.9	1.2	1.3	1.6	1.7	2.2	2.3	2.9	2.9	3.7	3.5	4.4
ARCH	ROGID	2.2 x 1.3	2.9 x 1.8	3.6 x 2.2	4.3 x 2.7	5.0 x 3.1	5.8 x 3.6						
	METAL	0.9	1.3	1.4	1.9	1.8	2.4	2.4	3.4	3.2	4.4	3.4	5.0

CONCRETE QUANTITIES FOR ONE CONCRETE HEADWALL (CUBIC YARDS)

THICKNESS	MATERIAL	PIPE DIAMETER (IN.)											
		18	24	30	36	42	48	54	60				
4"	CONCRETE	0.4	0.8	1.2									
6"	CONCRETE				2.6	3.6	4.7						
18"	RIPRAP	2.0	3.5	5.4	7.8	10.7	13.9						

PIPE OUTLET PAVING (CUBIC YARDS)

NOTE: VOLUME OCCUPIED BY PIPE HAS BEEN DEDUCTED.

THICKNESS	MATERIAL	PIPE DIAMETER (IN.)											
		18	24	30	36	42	48	54	60				
4"	CONCRETE	0.4	0.8	1.2									
6"	CONCRETE				2.6	3.6	4.7						
18"	RIPRAP	2.0	3.5	5.4	7.8	10.7	13.9						

Computer File Information

Creation Date: 07/31/19
 Designer Initials: JBK
 Last Modification Date: 07/31/19
 Detailer Initials: LTA
 CAD Ver: MicroStation V8 Scale: Not to Scale Units: English

Sheet Revisions

Date	Comments

Colorado Department of Transportation

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 CDOT HQ, 3rd Floor
 Denver, CO 80204
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Project Development Branch

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HEADWALLS AND PIPE OUTLET PAVING

STANDARD PLAN NO. M-601-12

Standard Sheet No. 1 of 1
 Project Sheet Number:

GENERAL NOTES

- DIMENSIONS OF END SECTIONS MAY VARY SLIGHTLY FROM THOSE SHOWN ON THE TABLES DUE TO DIFFERENT MANUFACTURERS CONFIGURATIONS.
- CONCRETE END SECTIONS SHALL BE FURNISHED WITH TONGUE OR GROOVE AS REQUIRED.
- DESIGN LENGTH OF PIPE OR SIDE GRAB IS BASED ON LENGTH OF END SECTION SHOWN IN TABLE. ANY ADDITIONAL PIPE REQUIRED TO PROVIDE THE DESIGN LENGTH SHALL BE FURNISHED BY THE CONTRACTOR AT NO ADDITIONAL COST TO THE PROJECT.
- THE INSIDE CONFIGURATION AND THE JOINT OF CONCRETE END SECTION AND PIPE SHALL MATCH ON THE PLANS.
- END SECTIONS FOR CMP ARCH PIPE SHALL MATCH THE DIMENSIONS OF THE PIPE SHOWN ON THE PLANS.
- GALVANIZED TOE PLATE AS SHOWN IS REQUIRED ON END SECTIONS FOR CORRUGATED STEEL PIPE AND SHALL BE THE SAME THICKNESS AS END SECTIONS. TOE PLATE SHALL BE FIELD-BOLTED TO END SECTION WITH 1/2" GALVANIZED BOLTS, NUTS AND WASHERS.
- GALVANIZED STEEL SHALL CONFORM TO AASHTO M 151 M 218 OR M 212.
- CONCRETE PIPE JOINT FASTENERS, WHERE SHOWN ON PLANS, SHALL BE INSTALLED SO THAT A MINIMUM OF 15 LINEAR FEET OF THE OUTLET END OF THE PIPE ARE MECHANICALLY LOCKED TOGETHER. END SECTION LENGTHS WHEN USED, SHALL BE INCLUDED IN THE 15 LF REQUIREMENT.
- CONNECTIONS OF METAL END SECTIONS TO PLASTIC PIPE SHALL BE APPROVED BY THE ENGINEER. PLASTIC END SECTIONS SHALL NOT BE USED.
- THE END SECTION STYLE, EITHER REGULAR OR SAFETY, SHALL BE AS SHOWN ON THE PLANS.
- AT THE OPTION OF THE CONTRACTOR AND APPROVAL OF THE CDOT PROJECT ENGINEER, REINFORCED CONCRETE END SECTIONS MAY BE MADE WITH SYNTHETIC FIBERS INSTEAD OF STEEL FOR PIPES 36 INCHES IN DIAMETER AND SMALLER, AND CONFORM TO AASHTO M 98 AND SUBSECTION 601.03.

CONCRETE QUANTITIES FOR ONE CONCRETE HEADWALL (CUBIC YARDS)

EQUIVALENT CIRCULAR DIA.	NOMINAL SPAN x RISE	DIMENSIONS				
		A	C	L	E	
24	30	19	9	33	72	48
30	36	24	10	39	72	60
36	45	29	12	44	84	72
42	53	34	16	51	96	84
48	60	38	21	58	108	96
54	68	43	26	66	120	108
60	78	48	30	74	132	120

CONCRETE JOINT FASTENER (TWO PER JOINT)

Computer File Information

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 Designer Initials: JBK
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CONCRETE AND METAL END SECTIONS

STANDARD PLAN NO. M-603-10

Standard Sheet No. 1 of 1
 Project Sheet Number:

STEEL GRATE QUANTITIES

NO. PIECES	DESCRIPTION	LENGTH PER FT. (LBS.)	WEIGHT PER FT. (LBS.)
4	54 x 7.7 BEAM	41"	7.30
2	3/4" x 1/4" FLAT	265"	2.38
2	3" x 1/4" FLAT	255"	2.55

TOTAL LBS. = 131

INLET WITH DITCH PAVING

SECTION B-B INLET CONNECTED TO A CROSS PIPE

SECTION A-A INLET ON GRADE (FLOW FROM ONE DIRECTION)

SECTION D-D STANDARD INLET GRATE

SECTION E-E CLOSE MESH INLET GRATE

INLET AT BOTTOM OF VERTICAL CURVE (FLOW FROM TWO DIRECTIONS)

GENERAL NOTES

- INLET TYPE C IS NOT HS-20 RATED AND SHALL NOT BE PLACED IN PAVED ROADWAYS. THIS INLET SHALL BE USED ONLY OUTSIDE PAVED ROADWAYS.
- CONCRETE SHALL BE CLASS B. INLET MAY BE CAST-IN-PLACE OR PRECAST.
- REINFORCING BARS SHALL BE GRADE 60, EPOXY COATED, AND DEFORMED #4, AND SHALL HAVE A MIN. 2 INCH CLEARANCE CUT OR BEND AROUND PIPES, AS REQUIRED.
- CONCRETE SLOPE AND DITCH PAVING SHALL BE IN ACCORDANCE WITH SECTION 507. REINFORCEMENT FOR CONCRETE SLOPE PAVING SHALL BE 6" x 6" - W14 x W14 OR 6" x 6" - W21 x W21.
- STRUCTURAL STEEL FOR GRATES AND GRATE INSTALLATION HARDWARE SHALL BE GALVANIZED, AND SHALL BE IN ACCORDANCE WITH SUBSECTION 712.06.
- THE STANDARD INLET GRATES SHALL BE USED ON ALL TYPE C INLETS UNLESS CLOSE MESH INLET GRATES ARE SPECIFIED ON THE PLANS.
- CLOSE MESH GRATES ARE RECOMMENDED WHERE FOOT TRAFFIC OR BICYCLE ROUTES ARE IN CLOSE PROXIMITY TO GRATE. THIS GRATE IS NOT ADA COMPLIANT OR BICYCLE FRIENDLY AND SHALL NOT BE PLACED DIRECTLY IN SIDEWALKS, CROSSWALKS OR BIKE PATHS.
- STEPS SHALL BE PROVIDED WHEN INLET DIMENSION "H" IS EQUAL TO OR GREATER THAN 3 FEET - 6 INCHES AND SHALL CONFORM TO AASHTO M 159.
- SEE STANDARD PLAN M-604-11 FOR REINFORCEMENT AROUND THE PIPE OPENING.
- ALL INLETS SHALL HAVE A 1/2" DIA. METAL MEDALLION WITH A "H" (DAMPING) DRAINS TO STREAM MESSAGE ON IT. THE MEDALLION SHALL HAVE A FISH SYMBOL WITH A BLUE BACKGROUND. IT SHALL BE FIRMLY ATTACHED TO THE TOP OF THE INLET WITH A PERMANENT FASTENER.
- SEE PLANS FOR SIZE AND LOCATION OF PIPE.

QUANTITIES FOR ONE INLET

H	CONCRETE (CU. YDS.)	STEEL (LBS.)	NO. STEPS (EACH)
2'-0"	3.0	76	0
3'-0"	1.1	81	0
3'-6"	1.2	97	0
4'-0"	1.3	102	1
4'-6"	1.5	117	2
5'-0"	1.6	123	2
5'-6"	1.7	138	2
6'-0"	1.9	143	3
6'-6"	2.0	159	3
7'-0"	2.1	164	3
7'-6"	2.2	180	4
8'-0"	2.4	185	4
8'-6"	2.5	200	4
9'-0"	2.6	206	5
9'-6"	2.8	221	5
10'-0"	2.9	236	6
10'-6"	3.3	252	6

BAR LIST FOR H = 2 FT. - 6 IN. AND BENDING DIAGRAM

MARK	NO.	WEIGHT	LENGTH
401	2	2-2/4"	8'-0"
401	6	2'-7"	8'-8"
402	4	10"	15'-0"

Computer File Information

Creation Date: 07/31/19
 Designer Initials: JBK
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 CDOT HQ, 3rd Floor
 Denver, CO 80204
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INLET, TYPE C

STANDARD PLAN NO. M-604-10

Standard Sheet No. 1 of 1
 Project Sheet Number:

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 APPROVED: RDL JOB NUMBER: 211030.240
 CAD DATE: 10/30/2024
 CAD FILE: J:\2021\211030\CAD\Drawings\CIFiling_No_4\Storm_Details

NO.	DATE	BY	REVISION DESCRIPTION

HR GREEN - COLORADO SPRINGS
 1975 RESEARCH PARKWAY SUITE 160
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 FAX: 719.965.0044

FLYING HORSE NORTH FILING 4
 PRI #2, LLC.
 EL PASO COUNTY, CO

STORM DETAILS
 STORM DETAILS

SHEET DT1 35