

EL PASO COUNTY STANDARD CONSTRUCTION NOTES:

1. ALL DRAINAGE AND ROADWAY CONSTRUCTION SHALL MEET THE STANDARDS AND SPECIFICATIONS OF THE CITY OF COLORADO SPRINGS/EL PASO COUNTY DRAINAGE CRITERIA MANUAL, VOLUMES 1 AND 2, AND THE EL PASO COUNTY ENGINEERING CRITERIA MANUAL.
2. CONTRACTOR SHALL BE RESPONSIBLE FOR THE NOTIFICATION AND FILED NOTIFICATION OF ALL EXISTING UTILITIES, WHETHER SHOWN ON THE PLANS OR NOT, BEFORE BEGINNING CONSTRUCTION. LOCATION OF EXISTING UTILITIES SHALL BE VERIFIED BY THE CONTRACTOR PRIOR TO CONSTRUCTION. CALL 811 TO CONTACT THE UTILITY NOTIFICATION CENTER OF COLORADO (UNCC). CONTRACTOR SHALL KEEP RECORDS OF THE RESULTS OF THE APPLIED PLANS, THE EROSION AND EROSION CONTROL PLAN, THE STORMWATER MANAGEMENT PLAN (SWMP), THE SOILS AND GEOTECHNICAL REPORT, AND THE APPROPRIATE DESIGN AND CONSTRUCTION STANDARDS AND SPECIFICATIONS AT THE JOB SITE AT ALL TIMES, INCLUDING THE FOLLOWING:
 - A. EL PASO COUNTY ENGINEERING CRITERIA MANUAL (ECM)
 - B. CITY OF COLORADO DRAINAGE CRITERIA MANUAL, VOLUMES 1 AND 2
 - C. COLORADO DEPARTMENT OF TRANSPORTATION (CDOT) STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION
 - D. CDOT M & S STANDARDS
3. NOTWITHSTANDING ANYTHING DEPICTED IN THESE PLANS IN WORDS OR GRAPHIC REPRESENTATION, ALL DESIGN AND CONSTRUCTION RELATED TO DRAINAGE, STORM DRAINAGE AND EROSION CONTROL, SHALL CONFORM TO THE STANDARDS AND REQUIREMENTS OF THE MOST RECENT VERSION OF THE RELEVANT ADOPTED EL PASO COUNTY STANDARDS, INCLUDING THE LAND DEVELOPMENT CODE, THE ENGINEERING CRITERIA MANUAL, THE DRAINAGE CRITERIA MANUAL, AND THE DRAINAGE CRITERIA MANUAL VOLUME 2. ANY DEVIATIONS FROM REGULATIONS AND STANDARDS MUST BE REQUESTED, AND APPROVED, IN WRITING. ANY MODIFICATION NECESSARY TO MEET CRITERIA AFTER-THE-FACT WILL BE ENTIRELY THE DEVELOPER'S RESPONSIBILITY TO RECTIFY.
4. IT IS THE DESIGN ENGINEER'S RESPONSIBILITY TO ACCURATELY SHOW EXISTING CONDITIONS, BOTH ONSITE AND OFFSITE, ON THE CONSTRUCTION PLANS. ANY MODIFICATIONS NECESSARY DUE TO CONFLICTS, OMISSIONS, OR CHANGED CONDITIONS WILL BE THE DEVELOPER'S RESPONSIBILITY TO RECTIFY.
5. CONTRACTOR SHALL SCHEDULE A PRE-CONSTRUCTION MEETING WITH EL PASO COUNTY INSPECTIONS, PRIOR TO STARTING CONSTRUCTION.
6. IT IS THE CONTRACTOR'S RESPONSIBILITY TO UNDERSTAND THE REQUIREMENTS OF ALL JURISDICTIONAL AGENCIES AND TO OBTAIN ALL REQUIRED PERMITS, INCLUDING BUT NOT LIMITED TO EL PASO COUNTY EROSION AND STORMWATER QUALITY CONTROL PERMIT (ESQCP), REGIONAL WATER QUALITY CONTROL PERMIT, U.S. ARMY CORPS OF ENGINEERS ISSUED 401 AND/OR 404 PERMITS, AND COUNTY AND STATE FUGITIVE DUST PERMITS.
7. CONTRACTOR SHALL NOT DEVIATE FROM THE PLANS WITHOUT FIRST OBTAINING WRITTEN APPROVAL FROM THE DESIGN ENGINEER AND PCD. CONTRACTOR SHALL NOTIFY THE DESIGN ENGINEER IMMEDIATELY UPON DISCOVERY OF ANY ERRORS OR INCONSISTENCIES.
8. ALL STORM DRAIN PIPE SHALL BE CLASS III RCP UNLESS OTHERWISE NOTED AND APPROVED BY EPC.
9. CONTRACTOR SHALL COORDINATE GEOTECHNICAL TESTING PER ECM STANDARDS. PAVEMENT DESIGN SHALL BE APPROVED BY EL PASO COUNTY PCD PRIOR TO PLACEMENT OF CURBS AND GUTTERS AND PAVEMENT.
10. CONSTRUCTION TRAFFIC SHALL BE PROHIBITED FROM EXCEEDING THE SITE ACCESS AND TRAVEL ACCESS POINTS.
11. SIGHT VISIBILITY TRIANGLES AS IDENTIFIED IN THE PLANS SHALL BE PROVIDED AT ALL INTERSECTIONS, OBSTRUCTIONS GREATER THAN 18 INCHES ABOVE FLOWLINE ARE NOT ALLOWED WITHIN SIGHT TRIANGLES.
12. SIGNING AND STRIPING SHALL COMPLY WITH EL PASO COUNTY AND MUTCD CRITERIA. IF APPLICABLE, ADDITIONAL SIGNING AND STRIPING NOTES WILL BE PROVIDED.
13. CONTRACTOR SHALL OBTAIN ANY PERMITS REQUIRED BY EL PASO COUNTY UDP, INCLUDING WORK WITHIN THE RIGHT-OF-WAY AND SPECIAL TRANSPORT PERMITS.
14. THE LIMITS OF CONSTRUCTION SHALL REMAIN WITHIN THE PROPERTY LINE UNLESS OTHERWISE NOTED. THE OWNER/DEVELOPER SHALL OBTAIN WRITTEN PERMISSION AND EASEMENTS, WHERE REQUIRED, FROM ADJOINING PROPERTY OWNER(S) PRIOR TO ANY OFF-SITE DISTURBANCE, GRADING, OR CONSTRUCTION.

GENERAL CONSTRUCTION NOTES

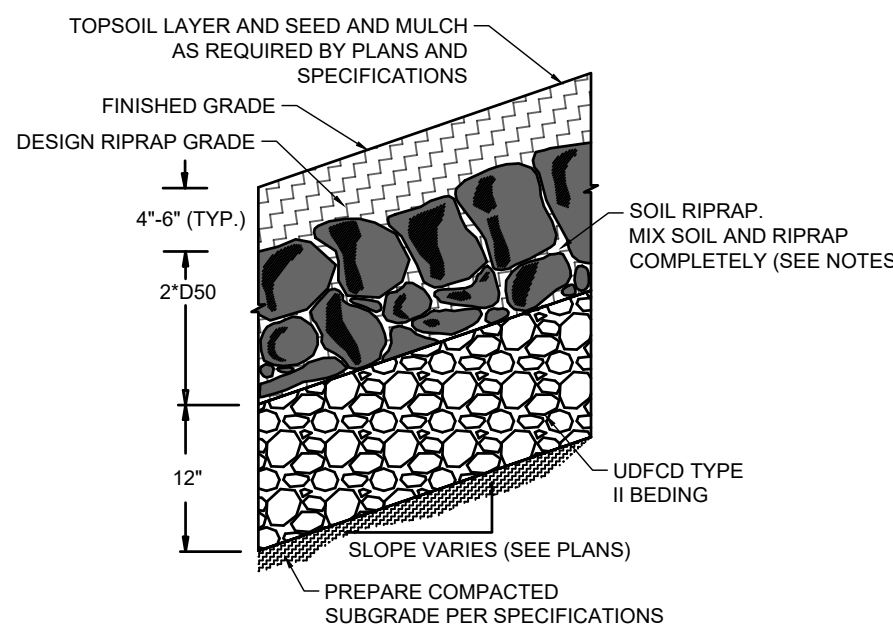
1. IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO VERIFY THE EXISTENCE AND LOCATION OF ALL UNDERGROUND UTILITIES ALONG THE ROUTE OF THE WORK. THE OMISSION FROM OR THE INCLUSION OF UTILITY LOCATIONS ON THE PLANS IS NOT TO BE CONSIDERED AS THE NONEXISTENCE OF OR A DEFINITE LOCATION OF EXISTING UNDERGROUND UTILITIES.
2. THE CONTRACTOR SHALL TAKE THE NECESSARY PRECAUTIONS TO PROTECT EXISTING UTILITIES FROM DAMAGE DUE TO THIS OPERATION. ANY DAMAGE TO THE UTILITIES WILL BE REPLACED AT THE CONTRACTORS EXPENSE AND ANY SERVICE DISRUPTION WILL BE SETTLED BY THE CONTRACTOR.
3. ADDITIONAL EROSION CONTROL STRUCTURES MAY BE REQUIRED AT THE TIME OF CONSTRUCTION.
4. ALL BACKFILL, SUB-BASE AND/OR BASE COURSE (CLASS 6) MATERIAL SHALL BE COMPACTED TO THE SOILS ENGINEERS RECOMMENDATIONS, AND APPROVED BY EL PASO COUNTY DEVELOPMENT SERVICES ENGINEERING DIVISION.
5. ALL STATIONING IS CENTERLINE UNLESS OTHERWISE INDICATED. ALL ELEVATIONS ARE FLOW LINE UNLESS OTHERWISE INDICATED.
6. ALL DISTURBED PAVEMENT EDGES SHALL BE CUT TO NEAT LINES. REPAIR SHALL CONFORM TO THE EPC ECM APPENDIX K - 1.2C
7. ALL INTERSECTION ACCESSES ARE TO BE CONSTRUCTED WITH A 25 FOOT SIGHT VISIBILITY TRIANGLE AND THERE SHALL BE NO OBSTRUCTIONS GREATER THAN 18" IN THIS AREA.
8. ASPHALT THICKNESS AND BASE COURSE THICKNESS (COMPACTED) FOR ROADS SHALL BE PER DESIGN REPORT BY OWNERS GEOTECHNICAL ENGINEER. OWNERS GEOTECHNICAL ENGINEER TO BE ON SITE AT TIME OF ROAD CONSTRUCTION TO EVALUATE SOIL CONDITIONS AND DETERMINE IF ADDITIONAL MEASURES ARE NECESSARY TO ASSURE STABILITY OF THE NEW ROADS. PAVEMENTS DESIGN SHALL BE APPROVED BY EL PASO COUNTY DEVELOPMENT SERVICES ENGINEERING DIVISION PRIOR TO CONSTRUCTION.
9. TYPE M RIP-RAP WITH 4" OF TYPE II GRANULAR BEDDING AND MIRAFI 180n OR EQUAL, MAY BE SUBSTITUTED WHERE TYPE I RIP-RAP WITH MIRAFI FW 700 OR EQUAL IS SPECIFIED.
10. ALL MATERIALS AND INSTALLATION PROCEDURES SHALL BE IN COMPLIANCE WITH ANY AND ALL APPLICABLE EL PASO COUNTY STANDARDS AND WITH METRO DISTRICT CONSULTING ENGINEER APPROVAL.
11. CONTRACTOR IS RESPONSIBLE FOR PROVIDING DETAILED AS-BUILT OF ALL STORM SEWER AND CISTERN INSTALLATIONS, INCLUDING ACCURATE DISTANCES OF MAIN LINES, VALVES, FITTINGS, MANHOLES, AND LOCATIONS OF APPURTENANCES.
12. DRAINAGE EASEMENTS ARE PLANNED THROUGHOUT THE FILING AND ARE NO-BUILD AREAS. ALL OTHER AREAS THAT FALL WITHIN IDENTIFIED GEOLOGIC HAZARD AREAS (SEASONAL STORMWATER POOLING, STANDING WATER CONDITIONS) MAY BE MITIGATED ON A PER LOT BASIS WITH EARTHWORK AND FINE GRADE CONSTRUCTION. NO DISTURBANCE FOR EARTHWORK OR GRADING SHALL TAKE PLACE WITHIN THE DESIGNATED DRAINAGE EASEMENTS AND ANY SITE AND FUTURE LOT DISTURBANCE THAT ALTERS THE EXISTING TOPOGRAPHY SHALL DRAIN TO THE DRAINAGE EASEMENTS ON SITE.

SIGNAGE AND STRIPING NOTES:

1. ALL SIGNS AND PAVEMENT MARKINGS SHALL BE IN COMPLIANCE WITH THE CURRENT MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES (MUTCD).
2. 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.
3. ANY DEVIATION FROM THE STRIPING AND SIGNING PLAN SHALL BE APPROVED BY EL PASO COUNTY DEPARTMENT OF PUBLIC WORKS (DPW).
4. 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.
5. STREET NAME AND REGULATORY STOP SIGNS SHALL BE ON THE SAME POST AT INTERSECTIONS.
6. ALL REMOVED SIGNS SHALL BE DISPOSED OF IN A PROPER MANNER BY THE CONTRACTOR.
7. 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. MULTI-LANE ROADWAYS WITH SPEED LIMITS OF 35 MPH OR HIGHER SHALL HAVE 8" UPPER-LOWER CASE LETTERING 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 FHWA STANDARD HIGHWAY SIGNS: 2004 EDITION WITH 2012 SUPPLEMENT. SIGNAL POLE MOUNTED AND OVERHEAD STREET NAME SIGNS SHALL BE PER MUTCD SIGN STANDARDS.
8. ALL TRAFFIC SIGNS SHALL HAVE A MINIMUM DIAMOND GRADE RETROREFLECTIVE SHEETING THAT MEETS ASTM D4956 TYPE X SHEETING REQUIREMENTS.
9. ALL LOCAL RESIDENTIAL STREET SIGNS SHALL BE MOUNTED ON A 1.75" X 1.75" SQUARE TUBE SIGN POST AND STUB POST BASE. FOR OTHER APPLICATIONS, REFER TO THE CDOT STANDARD S-614-8 REGARDING USE OF THE P2 TUBULAR STEEL POST SLIPBASE DESIGN.
10. ALL SIGNS SHALL BE SINGLE SHEET ALUMINUM WITH 0.125" MINIMUM THICKNESS.
11. ALL LIMIT LINES/STOP LINES, CROSSWALK LINES, PAVEMENT LEGENDS, AND ARROWS SHALL BE A MINIMUM 1/8" MIN THICKNESS PREFORMED THERMOPLASTIC PAVEMENT MARKINGS WITH TAPERED LEADING EDGES PER CDOT STANDARD S-627-1. STOP BARS SHALL BE 24" IN WIDTH. CROSSWALKS LINES SHALL BE 24" WIDE AND A MINIMUM OF 9' LONG. CROSSWALKS SHALL BE IN LALD IN ACCORDANCE WITH SECTION 627 OF THE 2025 CDOT STANDARD SPECIFICATION FOR ROAD AND BRIDGE CONSTRUCTION.
12. WORD AND SYMBOL MARKINGS SHALL BE THE NARROW TYPE.
13. ALL LONGITUDINAL LINES SHALL BE A MINIMUM 1/8" MIN 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.
14. ALL SIGNS SHALL BE PLACED IN ACCORDANCE WITH CDOT STANDARD S-614-1 OR MUTCD FIGURE 2A-2.
15. THE CONTRACTOR SHALL NOTIFY EL PASO COUNTY DPW - INSPECTIONS (719) 520-6819 PRIOR TO AND UPON COMPLETION OF SIGNING AND STRIPING.
16. THE CONTRACTOR SHALL OBTAIN A WORK IN THE RIGHT OF WAY PERMIT FROM THE EL PASO COUNTY DPW PRIOR TO ANY SIGNAGE OR STRIPING WORK WITHIN AN EXISTING EL PASO COUNTY ROADWAY.

ABBREVIATIONS

	DEFLECTION ANGLE	FL	FLOW LINE
Ø DIA	DIAMETER	FOC	FIBER OPTICS CABLE
AASHTO	AMERICAN ASSOCIATION OF STATE HIGHWAY AND TRANSPORTATION OFFICIALS	FOOT	FOOT OR FEET
ASPH	ASPHALT	GB	GRADE BREAK
ABD	ABANDONED	GAL	GALLON
AC	ACRE	GDPE	HIGH DENSITY POLYETHYLENE
ADA	THE AMERICANS WITH DISABILITIES ACT	HGR RAMP	HANDICAP RAMP
ASPH	ASPHALT	HW	HEADWALL
ASSY	ASSEMBLY	INV	INVERT
ASTM	AMERICAN SOCIETY FOR TESTING MATERIALS	KM	KILOMETER
BFE	BASE FLOOD ELEVATION	L	LENGTH
BLDG	BUILDING	L	LINEAR FEET
BLVD	BOULEVARD	M	METER
BM	BENCH MARK	MIN	MINIMUM
BNDY	BOUNDARY	MISC	MISCELLANEOUS
BOP	BOTTOM OF POND	MAINT	MAINTENANCE
BW	BOTTOM OF WALL	MAX	MAXIMUM
C&G	CURB AND GUTTER	MH	MANHOLE
CA	COARSE AGGREGATE	MP	MIDPOINT
CAV	CABLE TELEVISION	N	NORTH/NORTHING
CB	CHORD BEARING/CATCH BASIN	NO	NUMBER
CFS	CUBIC FEET PER SECOND	OC	ON CENTER
CIP	CAST IRON PIPE	OH	OVERHEAD
CL	CENTER LINE	PB	PUBLIC
CMP	CORRUGATED METAL PIPE	PC	POINT OF CURVATURE
COMP	COMPOSITE	PCC	POINT OF COMPOUND CURVATURE
CONC	CONCRETE	PCR	POINT OF CURB RETURN
CONST	CONSTRUCT OR CONSTRUCTION	PI	POINT OF INTERSECTION
CSP	CORRUGATED STEEL PIPE	PIE	PUBLIC IMPROVEMENT ESMT
CSU	COLORADO SPRINGS UTILITIES	PT	POINT OF TANGENCY
CY	CYRT	PRC	PROPOSED
CTR	CENTER	PRC	POINT OF REVERSE CURVATURE
CU	CUPPER	PRV	PRESSURE REDUCING VALVE
CY	CUBIC YARD	PVT	PRIVATE
DBL	DOUBLE	PUAE	PUBLIC UTILITY AND ACCESS ESMT
DEG	DEGREE	PUADE	PUBLIC UTILITY, ACCESS AND DRAINAGE ESMT
DET	DETAIL	PVC	POLYVINYL CHLORIDE
DEPT	DEPARTMENT	R	RADIUS
DIM	DIMENSION	REC	RECEPTION
DIP	DUCTILE IRON PIPE	RCBC	REINFORCED CONCRETE BOX CULVERT
DOT	DEPARTMENT OF TRANSPORTATION	S	SOUTH
DWG	DRAWING	SHT	SHEET
E	EAST/EASTING	SQ	SQUARE
ELEC	ELEVATION	SW	SPILLWAY
EOG	ELECTRIC	TBC	TOP BACK OF CURB
EOG	EDGE OF GUTTER	TC	TRICKLE CHANNEL
EOP	EDGE OF PAVEMENT	TOP	TOP OF POND
ESMT	EASEMENT	TOW	TOP OF WALL
EW	ENDWALL	TV	TYPICAL
EX	EXISTING	UG	UNDERGROUND
FD	FRENCH DRAIN	VERT	VERTICAL
FDG	FIRE DEPARTMENT CONNECTION	W	WEST
FE	FLANGE ELEVATION	WW	WASTEWATER
FES	FLANGED END SECTION	WWF	WELDED WIRE FABRIC
FF	FINISHED FLOOR	WTH	WITH
FG	FINISHED GRADE	W/O	WITHOUT
FH	FIRE HYDRANT	YD	YARD



SOIL RIPRAP EMBANKMENT PROTECTION
WITH BEDDING TYP. SECTION

TYPE L RIPRAP	
INTERMEDIATE ROCK DIMENSION (IN.)	PERCENT PASSING (%)
15	70-100
12	50-70
9	35-50
3	2-10

*TYPE L RIPRAP D50=9"
D50=MEAN PARTICLE SIZE
(INTERMEDIATE DIMENSION) BY WEIGHT

TYPE H RIPRAP	
INTERMEDIATE ROCK DIMENSION (IN .)	PERCENT PASSING (%)
30	70-100
24	50-70
18	35-50
6	2-10

*TYPE L RIPRAP D50=18"
D50=MEAN PARTICLE SIZE
(INTERMEDIATE DIMENSION) BY WEIGHT

RIPRAP NOTES.

1. SOIL RIPRAP DETAILS ARE APPLICABLE TO SLOPED AREAS REFER TO THE SITE PLAN ACTUAL LOCATION AND LIMITS.
2. MIX UNIFORMLY 65% RIPRAP BY VOLUME WITH 35% OF APPROVED MATERIAL BY VOLUME PRIOR TO PLACEMENT.
3. PLACE STONE-SOIL MIX TO RESULT IN SECURELY INTERLOCKED ROCK AT THE DESIGN THICKNESS AND GRADE. COMPACT AND LEVEL TO ELIMINATE ALL VOIDS AND ROCKS PROJECTING ABOVE DESIGN RIPRAP TOP GRADE.
4. CRUSH OR TACKIFY MULCH OR USE APPROVED HYDROMULCH AS CALLED FOR IN THE PERMANENT SPECIFICATIONS.
5. ROCK SHALL BE HARD, DURABLE, ANGULAR IN SHAPE, AND FREE FROM CRACKS, OVERBURDEN, SHALE, AND ORGANIC MATTER.
6. NEITHER BREADTH NOR THICKNESS OF A SINGLE STONE SHOULD BE LESS THAN ONE-THIRD ITS LENGTH, AND ROUNDED STONE SHOULD BE AVOIDED.
7. THE ROCK SHOULD SUSTAIN A LOSS OF NOT MORE THAN 40% AFTER 500 REVOLUTIONS IN AN ABRASION TEST (LOS ANGELES MACHINEASTM C-535-69) AND SHOULD SUSTAIN A LOSS OF NOT MORE THAN 10% AFTER 12 CYCLES OF FREEZING AND THAWING (AASHTO TEST 103 FOR EDGE ROCK PROCEDURE A).
8. ROCK HAVING A MINIMUM SPECIFIC GRAVITY OF 2.65 IS PREFERRED; HOWEVER, IN NO CASE SHOULD ROCK HAVE A SPECIFIC GRAVITY LESS THAN 2.50.

TYPE VL RIPRAP	
INTERMEDIATE ROCK DIMENSION (IN .)	PERCENT PASSING (%)
12	70-100
9	50-70
6	35-50
2	2-10

*TYPE L RIPRAP D50=6".
D50=MEAN PARTICLE SIZE
(INTERMEDIATE DIMENSION) BY WEIGHT

TYPE M RIPRAP	
INTERMEDIATE ROCK DIMENSION (IN .)	PERCENT PASSING (%)
21	70-100
18	50-70
12	35-50
4	2-10

*TYPE L RIPRAP D50=12"
D50=MEAN PARTICLE SIZE
(INTERMEDIATE DIMENSION) BY WEIGHT

LEGEND

	EXISTING	PROPOSED
MATCH LINE		
FILING LINE		
SECTION LINE		
PROPERTY LINE		
P.I.E. LINE		
MVEA ESMT. LINE		
RIGHT OF WAY		
CENTERLINE		
CHAIN LINK FENCE		
WOODEN FENCE		
ROD IRON FENCE		
STORM DRAIN		
SWALE		
TRAIL		
EDGE OF ROAD		
INDEX CONTOUR		
INTER. CONTOUR		
100-YR FLOODPLAIN		
FLOODWAY		
GEOHAZARD DELINEATION		

STORM SEWER

MANHOLE

STORM INLET

FLARED END SECTION

RIPRAP

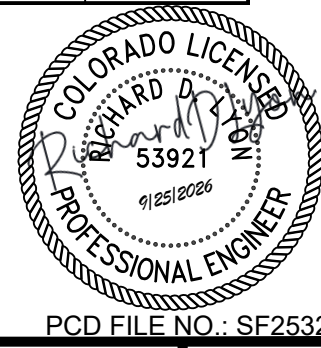
EXISTING

PROPOSED

FROUDE NUMBER CALCULATIONS			CALCULATED BY: CMD		DATE: 11/12/2025	
PROJECT: 211030 FILING NO. 4			CHECKED BY: RDL			
Froude Number Calculations: 100-YR						
Section -	Velocity ft/s	Gravitational Constant ft/s ²	Hydraulic depth ft	Xsectional Area ft ²	top Width ft	Froude # N/A
A-A	7.23	32.17	0.42	2.80	6.69	1.97
B-B	7.79	32.17	0.44	3.1	7.04	2.07
C-C	4.07	32.17	0.45	7.2	16.09	1.07
D-D	7.67	32.17	0.56	3.8	6.79	1.81
E-E	6.49	32.17	0.33	1.7	5.16	1.99
F-F	5.87	32.17	1.13	46.7	41.16	0.97
G-G	5.06	32.17	0.85	46.3	54.48	0.97
SECTION F1 - WEST	7.81	32.17	0.43	2.6	6.02	2.10
SECTION F1 - EAST	8.57	32.17	0.49	3.4	6.91	2.15
SECTION F2 - WEST	6.13	32.17	0.85	10.2	11.93	1.17
SECTION F2 - EAST	5.09	32.17	0.64	5.8	9.01	1.12

Channel Lining Determination					
Calculated Values			P300 Max Values		
Section	Shear Stress	Velocity	Shear Stress	Velocity	Lining Required
A-A	3.55	7.23	3	9	TMAX
B-B	4.33	7.79	3	9	TMAX
C-C	0.62	4.07	3	9	P300
D-D	3.78	7.67	3	9	TMAX
E-E	3.03	6.49	3	9	TMAX
F-F	1.42	5.87	3	9	NONE
G-G	1.22	5.06	3	9	NONE
SECTION F1 - WEST	4.55	7.81	3	9	TMAX
SECTION F1 - EAST	5.06	8.57	3	9	TMAX
SECTION F2 - WEST	2.12	6.13	3	9	P300
SECTION F2 - EAST	1.62	5.09	3	9	P300

SHEAR STRESS & CHANNEL LININGS			CALCULATED BY:	
PROJECT: 211030 FILING NO. 4			CHECKED BY:	
Shear Stress Calculations: 100-YR				
Section	unit weight of water lb/ft ³	Depth of flow ft	Shear Stress lb/ft ²	Shear Stress lb/ft ²
A-A	62.43	0.80	0.071	3.55
B-B	62.43	0.90	0.077	4.33
C-C	62.43	0.50	0.020	0.62
D-D	62.43	1.10	0.055	3.78
E-E	62.43	0.60	0.081	3.03
F-F	62.43	1.90	0.012	1.42
G-G	62.43	1.50	0.013	1.22
SECTION F1 - WEST	62.43	0.90	0.081	4.55
SECTION F1 - EAST	62.43	1.00	0.081	5.06
SECTION F2 - WEST	62.43	1.70	0.020	2.12
SECTION F2 - EAST	62.43	1.30	0.020	1.62



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NO.	DATE	BY	REVISION DESCRIPTION



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

FLYING HORSE NORTH FILING 7
PRI #2, LLC.
EL PASO COUNTY, CO

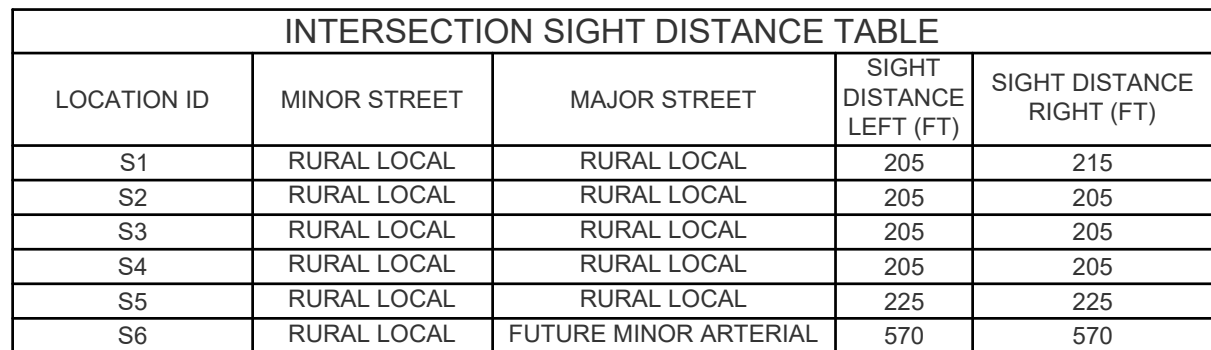
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LEGEND & NOTES

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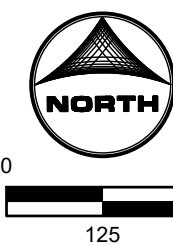
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ROADWAY CENTERLINE LINE AND CURVE TABLE					
Line #/Curve #	LENGTH (FT)	DIRECTION / DELTA	RADIUS (FT)	CHORD LENGTH (FT)	CHORD DIRECTION
C1	213.07	Δ24°24'58.55"	500.00	211.46	S21° 41' 26"W
C2	347.60	Δ66°23'09.95"	300.00	328.48	S1° 47' 53"W
C3	199.22	Δ38°02'55.34"	300.00	195.58	N12° 22' 14"W
C4	119.70	Δ13°43'01.43"	500.00	119.42	N0° 12' 17"W
C5	620.89	Δ35°34'28.08"	1000.00	610.97	N10° 43' 26"E
C6	386.22	Δ29°30'17.40"	750.00	381.96	N13° 45' 32"E
C7	110.87	Δ12°42'15.44"	500.00	110.64	S88° 13' 35"E
C8	382.75	Δ29°14'22.86"	750.00	378.61	S62° 22' 37"W
C9	94.04	Δ17°57'35.86"	300.00	93.65	S68° 01' 00"W
C10	55.10	Δ6°18'48.79"	500.00	55.07	N80° 11' 22"W
C11	910.87	Δ69°35'07.03"	750.00	855.91	N48° 08' 39"E
C12	192.26	Δ14°41'16.04"	750.00	191.74	S54° 08' 42"E
L1	339.30	N31° 23' 41.77"W			
L2	650.20	N6° 39' 13.57"E			
L3	871.10	N7° 03' 47.86"W			
L4	684.01	N28° 30' 40.22"E			
L5	178.30	N0° 59' 37.19"W			
L7	230.19	S81° 52' 27.25"E			
L8	530.46	N85° 25' 17.31"E			
L9	30.00	S42° 14' 34.52"E			
L10	537.79	S47° 45' 25.48"W			
L11	91.99	S76° 59' 48.34"W			
L12	85.15	S59° 02' 12.48"W			
L13	592.42	N83° 20' 46.43"W			
L14	130.83	N77° 01' 57.63"W			
L15	117.86	N82° 56' 12.14"E			
L16	415.47	N13° 21' 05.11"E			
L17	30.00	N76° 38' 54.89"W			
L18	188.37	S46° 48' 03.74"E			
L19	77.62	S61° 29' 19.78"E			

- NOTES:**
- THE DRAINAGE EASEMENTS SHOWN WITHIN THESE PLANS ARE ON THE FINAL PLAT FOR THE SUBDIVISION. THE DRAINAGE EASEMENTS ARE NO-BUILD AREAS AND THEY COINCIDE WITH GEOLOGIC HAZARD IDENTIFIED BY THE ENTECH IN THE REPORT ENTITLED SOILS AND GEOLOGIC STUDY, FLYING HORSE FILING NO. 7, DATED NOVEMBER, 2025. 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.
 - ALL STORM INFRASTRUCTURE WITHIN THE PUBLIC RIGHT-OF-WAY IS PUBLIC AND IS OWNED AND MAINTAINED BY EL PASO COUNTY. ALL STORM INFRASTRUCTURE OUTSIDE OF THE PUBLIC RIGHT-OF-WAY IS PUBLIC AND IS OWNED AND MAINTAINED BY THE FLYING HORSE NORTH METROPOLITAN DISTRICT.



PCD FILE NO.: SF2532

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APPROVED: RDL JOB NUMBER: 211030.260 OFFICIAL DRAWINGS.
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NO.	DATE	BY	REVISION DESCRIPTION



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

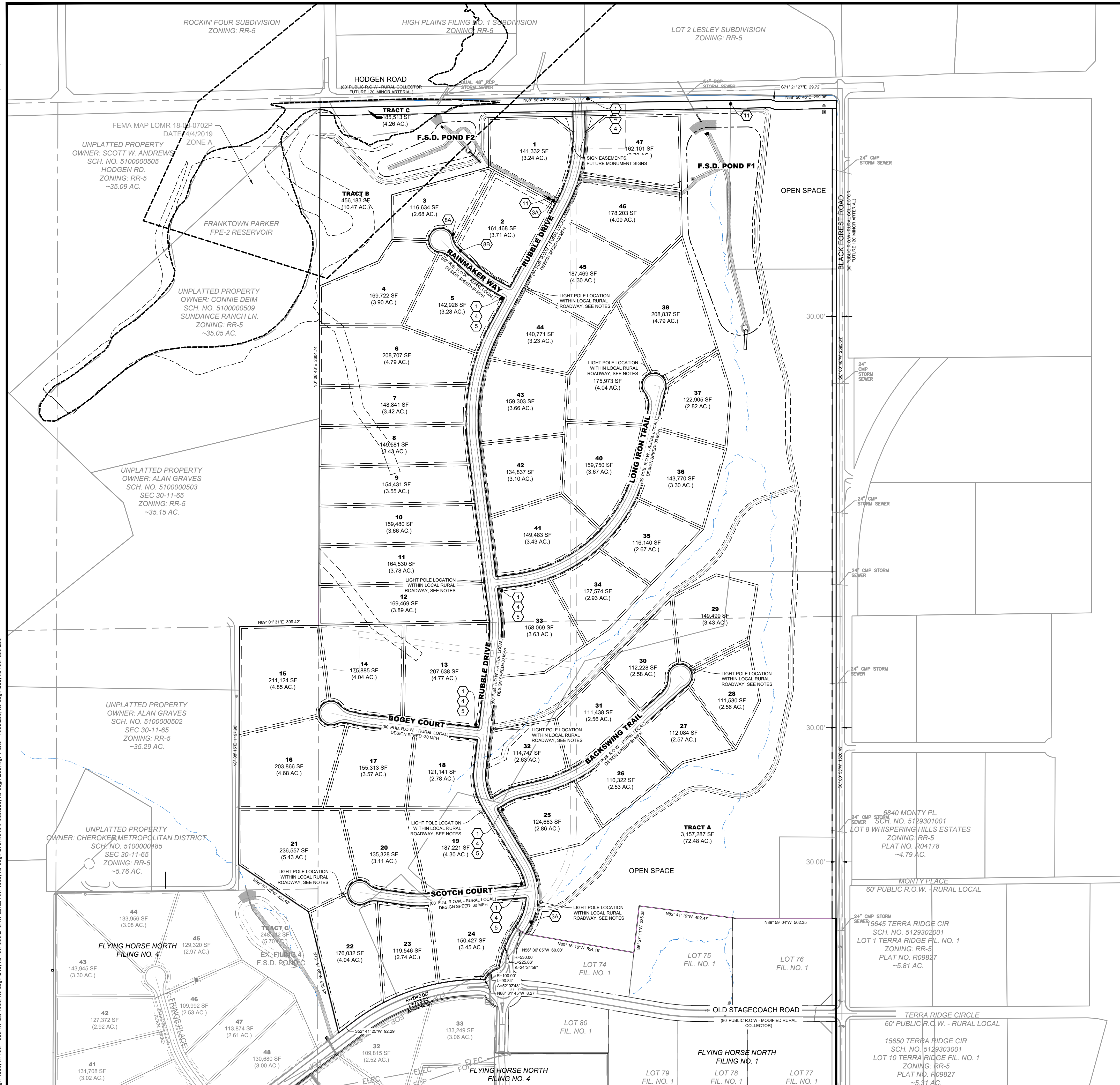
FLYING HORSE NORTH FILING 7
PRI #2, LLC.
EL PASO COUNTY, CO

CONSTRUCTION DOCUMENTS

OVERALL SITE PLAN

SHEET
OSP

3



1 STOP
R-1
SINGLE LANE 30"x30"

2 NO OUTLET
R-2-1
K2-0540
18"x18"

3A SPEED LIMIT
25
R2-1
24"x30"

3B SPEED LIMIT
30
R2-1
24"x30"

4 ROAD NAME
GREEN
W/ NO OUTLET PATCH

5 ROAD NAME NO OUTLET
GREEN
W/ NO OUTLET PATCH

6 W11-11
18"x18"

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)

0A R4-7
12"x18"

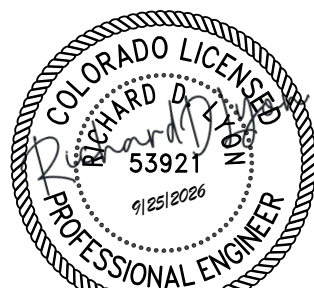
0B OM-3-L
12"x18"

11 NO PUBLIC ACCESS
ROAD MAINTENANCE
PANEL
GREEN SIGN
WHITE LETTERING
24"x24"

1. WHERE CONSTRUCTION DETAILS AND SPECIFICATIONS ARE NOTED ON THESE PLANS USE EL PASO COUNTY STANDARD SPECIFICATIONS FOR DESIGN AND CONSTRUCTION.
2. ALL SIGNING AND PAVEMENT MARKINGS SHALL BE IN ACCORDANCE WITH THE FEDERAL HIGHWAY ADMINISTRATION MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES (MUTCD) LATEST EDITION.
3. PAVEMENT MARKING IS THERMOPLASTIC WITH COLOR DESIGNATED IN KEY NOTES.
4. 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.

1. 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.
2. PROPOSED LIGHT POLE LOCATIONS WITHIN THE LOCAL RURAL ROADWAY AREAS ARE 20' FROM EO.

1. ALL SIGNS AND PAVEMENT MARKINGS SHALL BE IN COMPLIANCE WITH THE CURRENT MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES (MUTCD).
2. 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.
3. ANY DEVIATION FROM THE STRIPING AND SIGNING PLAN SHALL BE APPROVED BY EL PASO COUNTY DEPARTMENT OF PUBLIC WORKS (DPW).
4. 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.
5. STREET NAME AND REGULATORY STOP SIGNS SHALL BE ON THE SAME POST AT INTERSECTIONS.
6. ALL REMOVED SIGNS SHALL BE DISPOSED OF IN A PROPER MANNER BY THE CONTRACTOR.
7. 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. MULTI-LANE ROADWAYS WITH SPEED LIMITS OF 35 MPH OR HIGHER SHALL HAVE 8" UPPER-LOWER CASE LETTERING 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 FHWA STANDARD HIGHWAY SIGNS: 2004 EDITION WITH 2012 SUPPLEMENT. SIGNAL POLE MOUNTED AND OVERHEAD STREET NAME SIGNS SHALL BE PER MUTCD SIZE STANDARDS.
8. ALL TRAFFIC SIGNS SHALL HAVE A MINIMUM DIAMOND GRADE RETROREFLECTIVE SHEETING THAT MEETS ASTM D4956 TYPE III REQUIREMENTS.
9. ALL LOCAL RESIDENTIAL STREET SIGNS SHALL BE MOUNTED ON A 1.75" X 1.75" SQUARE TUBE SIGN POST AND STUB POST BASE. FOR OTHER APPLICATIONS, REFER TO THE CDOT STANDARD S-614-8 REGARDING USE OF THE P2 TUBULAR STEEL POST SLIPBASE DESIGN.
10. ALL SIGNS SHALL BE SINGLE SHEET ALUMINUM WITH 0.125" MINIMUM THICKNESS.
11. ALL LIMIT LINES/STOP LINES, CROSSWALK LINES, PAVEMENT LEGENDS, AND ARROWS SHALL BE A MINIMUM 125 MIL THICKNESS PREFORMED THERMOPLASTIC PAVEMENT MARKINGS WITH TAPERED LEADING EDGES PER CDOT STANDARD S-627-1. STOP BARS SHALL BE 24" IN WIDTH. CROSSWALKS LINES SHALL BE 24" WIDE AND A MINIMUM OF 9' LONG. CROSSWALKS SHALL BE INLAIN IN ACCORDANCE WITH SECTION 627 OF THE 2025 CDOT STANDARD SPECIFICATION FOR ROAD AND BRIDGE CONSTRUCTION.
12. WORD AND SYMBOL MARKINGS SHALL BE THE NARROW TYPE.
13. ALL LONGITUDINAL LINES SHALL BE A MINIMUM 18 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 SECTION 627 OF THE 2025 CDOT STANDARD SPECIFICATION.
14. ALL SIGNS SHALL BE PLACED IN ACCORDANCE WITH CDOT STANDARD S-614-1 OR MUTCD FIGURE 2A-2.
15. THE CONTRACTOR SHALL NOTIFY EL PASO COUNTY DPW - INSPECTIONS (719) 520-6819 PRIOR TO AND UPON COMPLETION OF SIGNING AND STRIPING.
16. THE CONTRACTOR SHALL OBTAIN A WORK IN THE RIGHT OF WAY PERMIT FROM THE EL PASO COUNTY DPW PRIOR TO ANY SIGNAGE OR STRIPING WORK WITHIN AN EXISTING EL PASO COUNTY ROADWAY.



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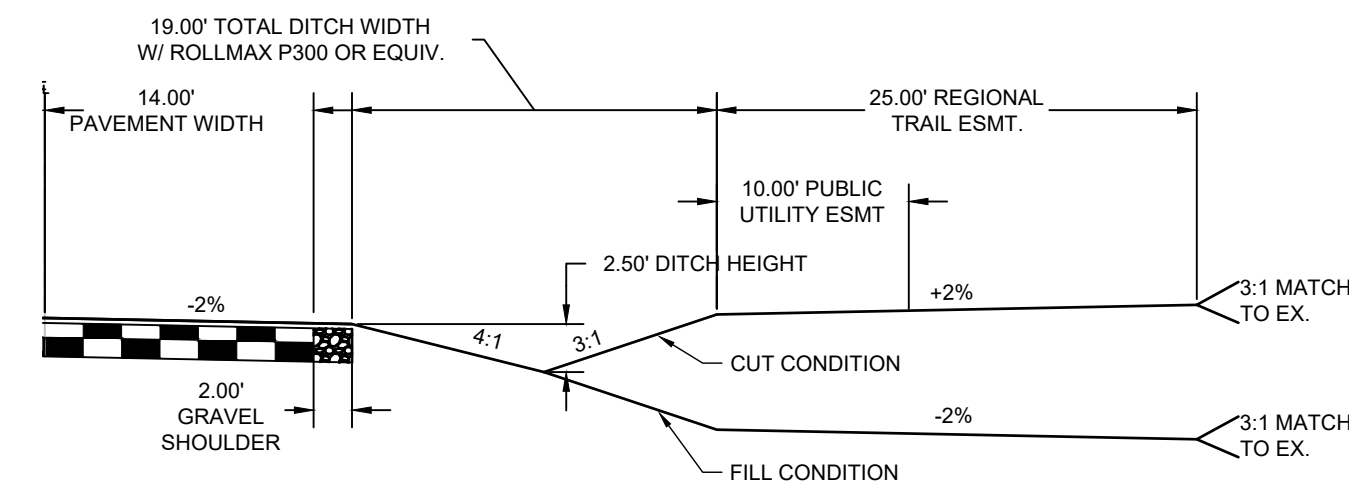
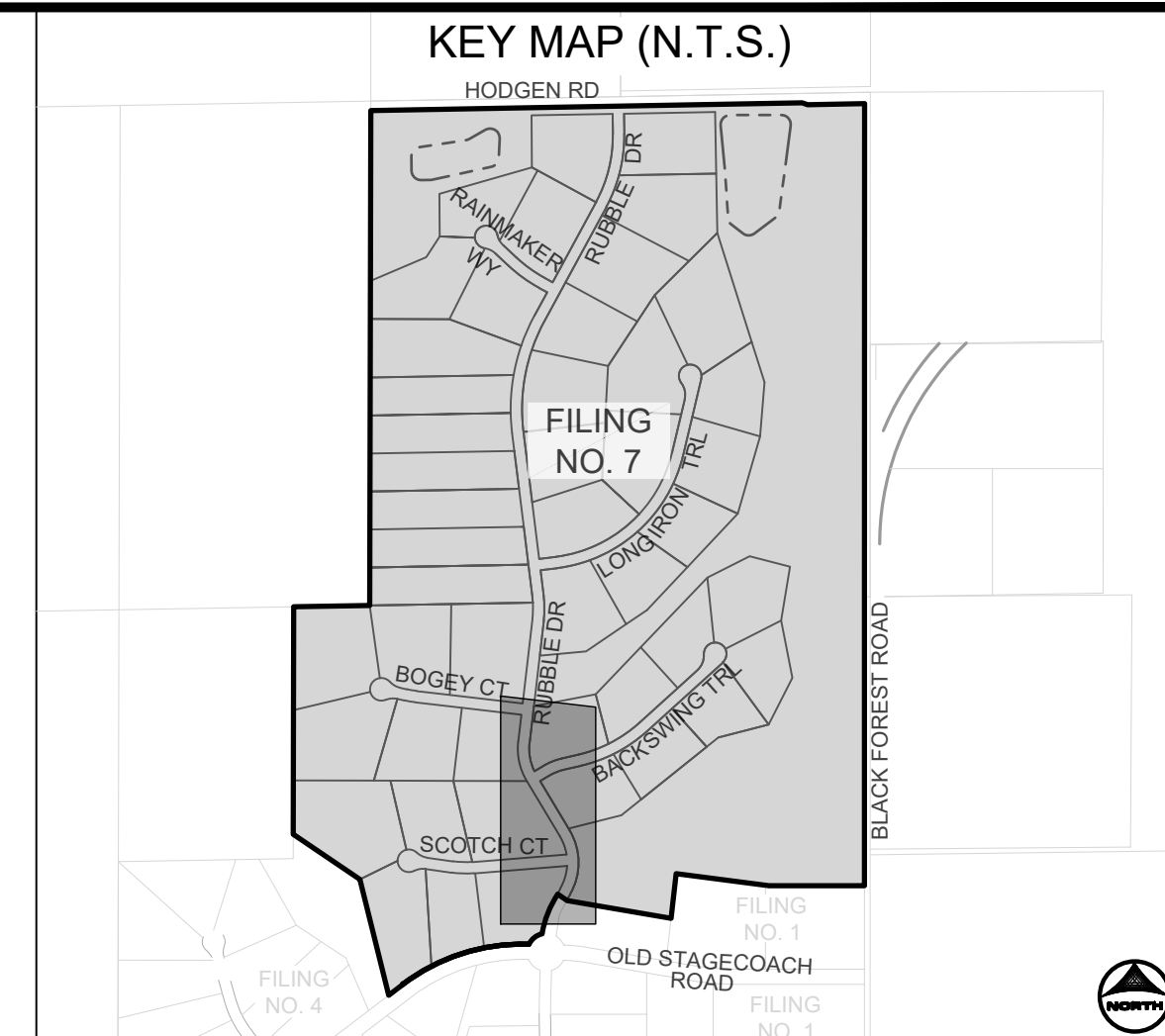
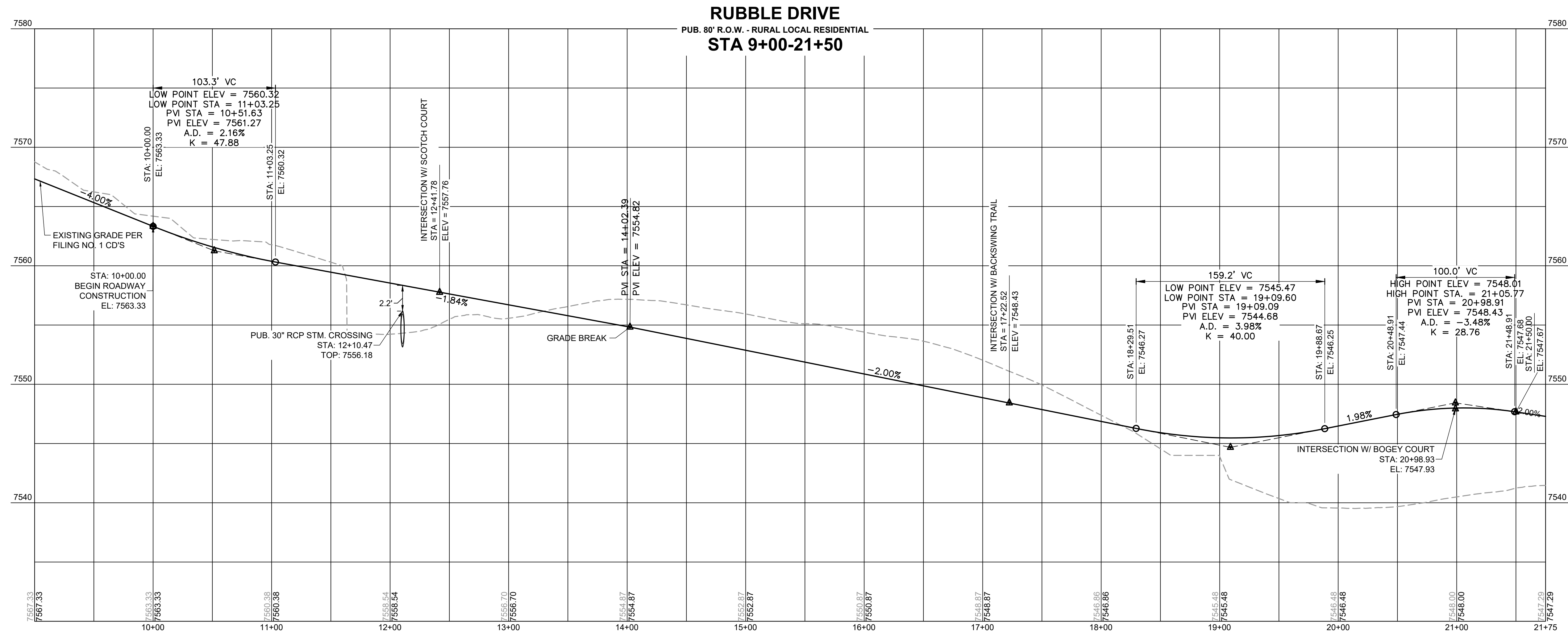
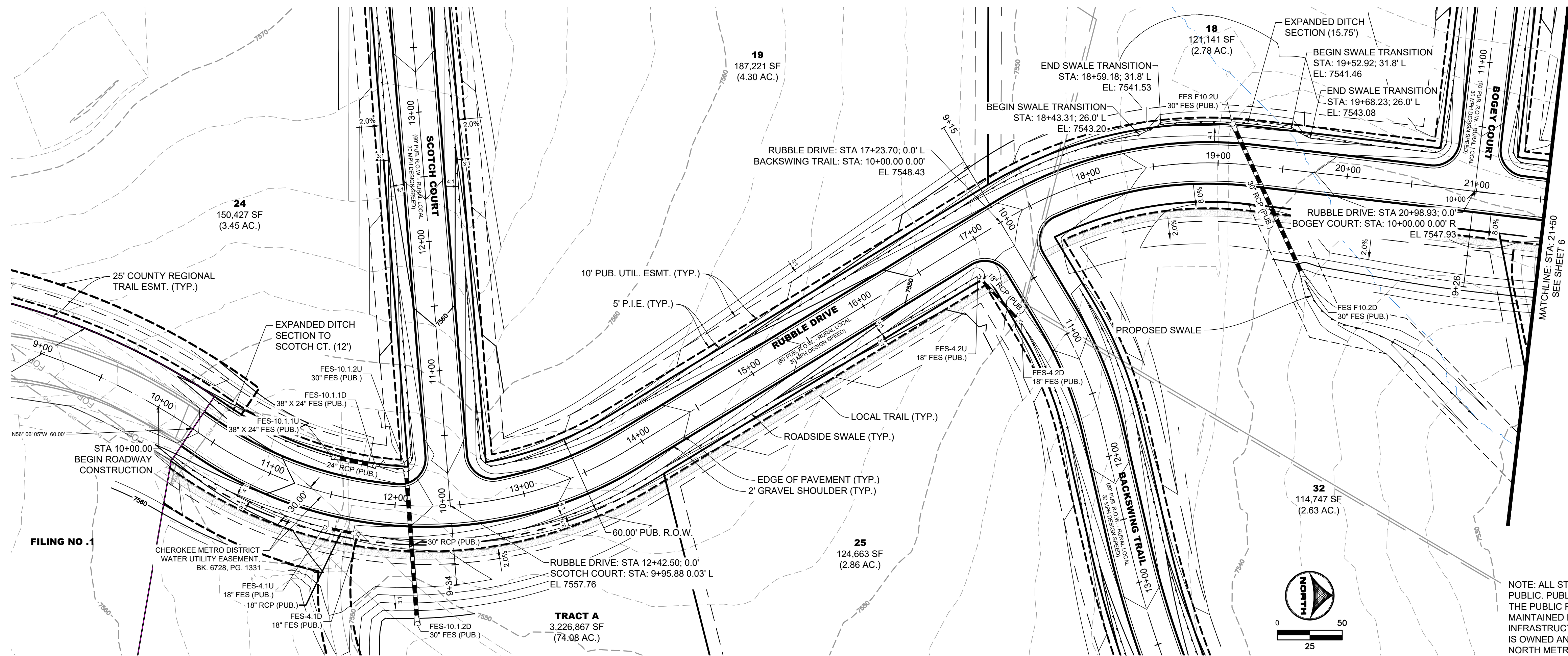
HR GREEN - COLORADO SPRINGS
1975 RESEARCH PARKWAY SUITE 230
COLORADO SPRINGS, CO 80920
PHONE: 719.300.4140
FAX: 713.965.0044

FLYING HORSE NORTH FILING 7
PRI #2, LLC.
EL PASO COUNTY, CO

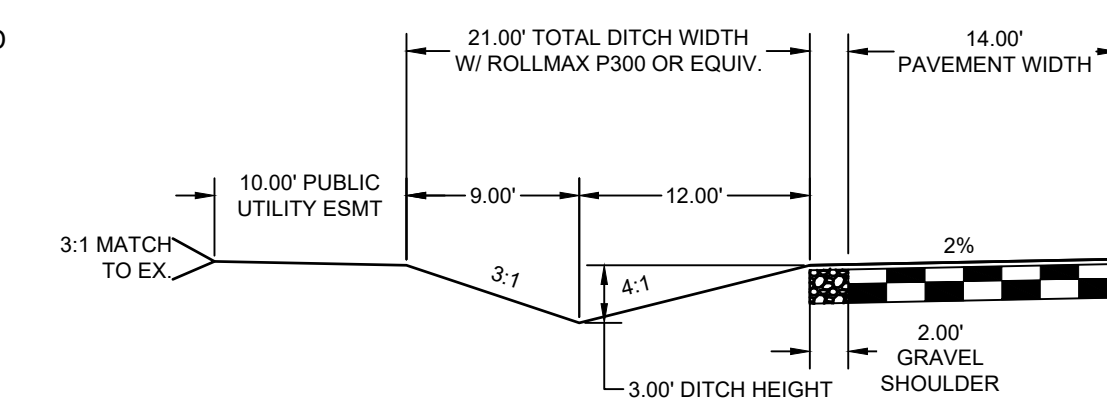
CONSTRUCTION DOCUMENTS
SIGNAGE AND STRIPING

SHEET
S&S

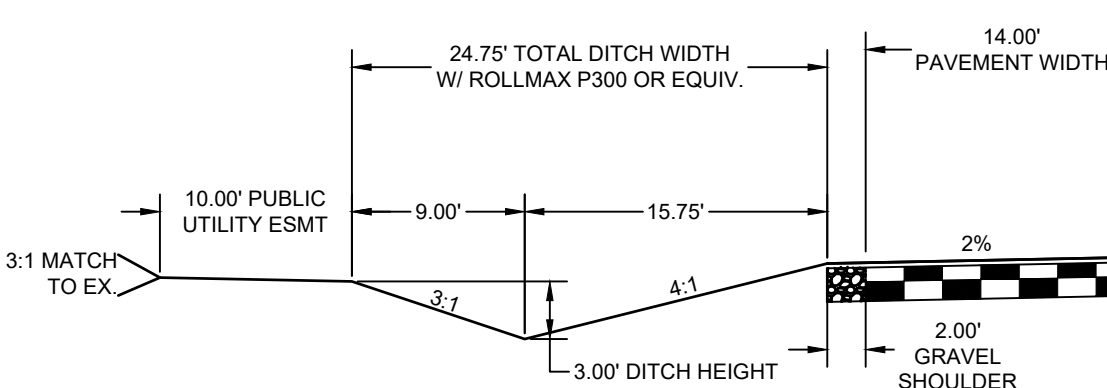
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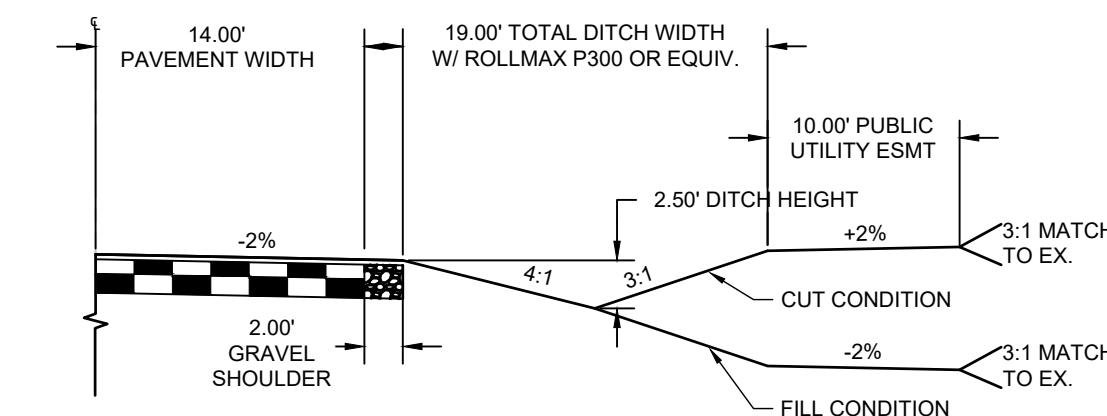
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(ROADS USING THIS SECTION: A PORTION OF RUBBLE DRIVE)



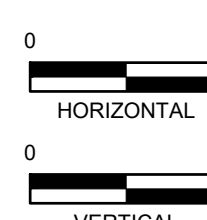
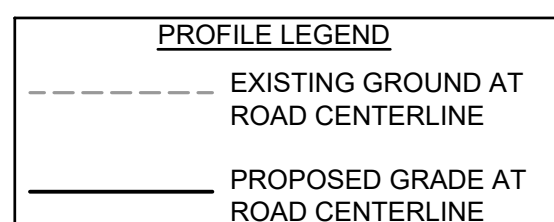
EXPANDED ROADSIDE DITCH SECTION
SCALE: 1"=10'
(ROADS USING THIS SECTION: A PORTION OF RUBBLE DRIVE



EXPANDED ROADSIDE DITCH SECTION
SCALE: 1"=10'
(ROADS USING THIS SECTION: A PORTION OF RUBBLE DRIVE



RURAL LOCAL ROADWAY DITCH SECTION
SCALE: 1"=10'
(ROADS USING THIS SECTION: SCOTCH CT, BACKSWING TRAIL, BOGET CT,
LONGIRON TRAIL AND RAINMAKER WAY INCLUDING CUL-DE-SACS)



PCD FILE NO.: SF253

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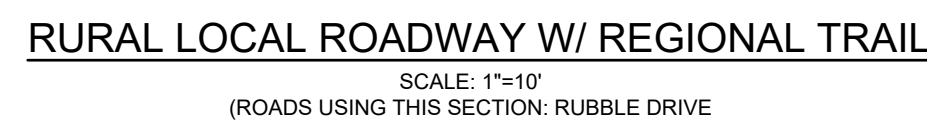
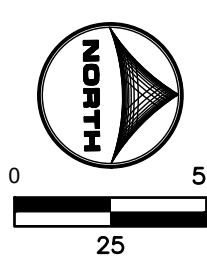
HR GREEN - COLORADO SPRINGS
1975 RESEARCH PARKWAY SUITE 230
COLORADO SPRINGS, CO 80920
PHONE: 719.300.4140
FAX: 713.965.0044

FLYING HORSE NORTH FILING 7
PRI #2, LLC.
EL PASO COUNTY, CO

CONSTRUCTION DOCUMENTS
RUBBLE DRIVE

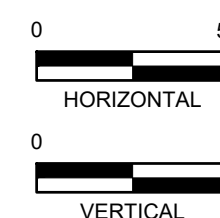
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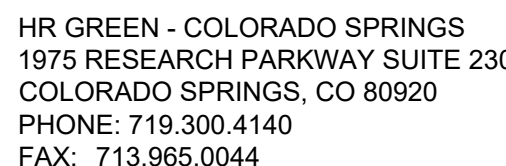


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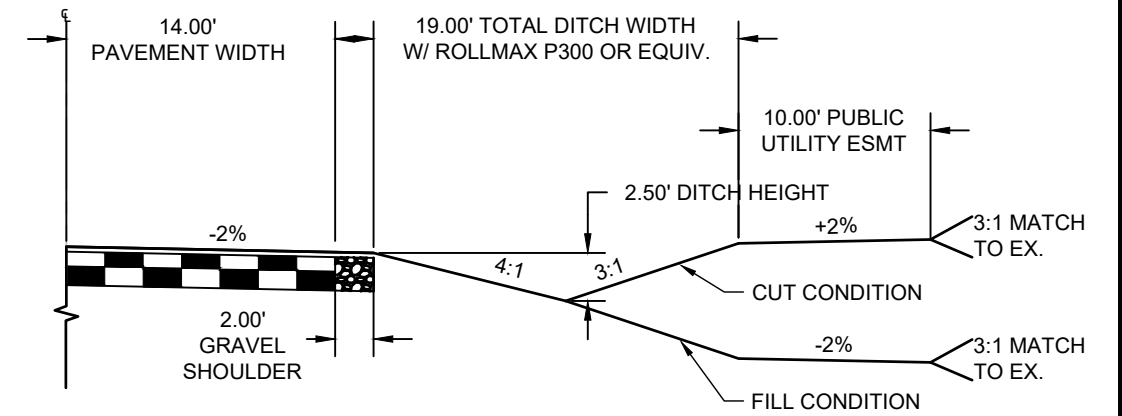
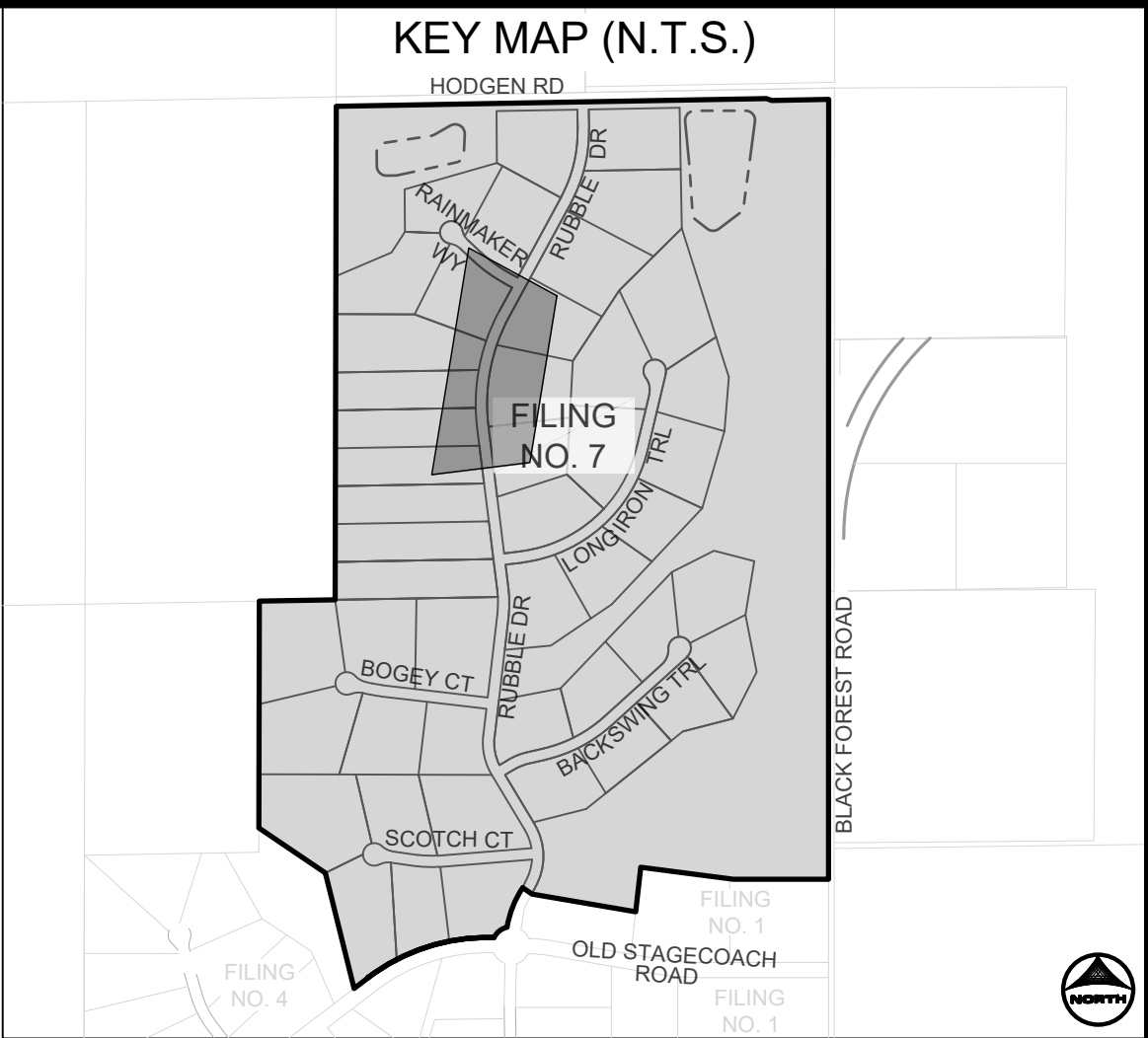
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CONSTRUCTION DOCUMENTS
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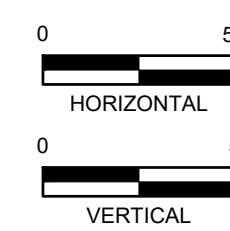
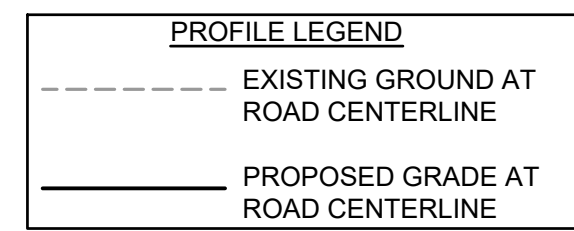
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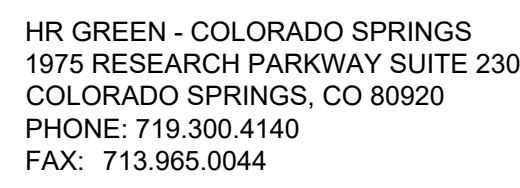
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(ROADS USING THIS SECTION: SCOTCH CT, BACKSWING TRAIL, BOGET CT,
LONGIRON TRAIL AND RAINMAKER WAY INCLUDING CUL-DE-SACS)

STA 33+50-44+00



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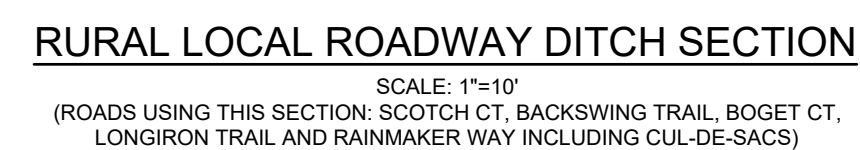
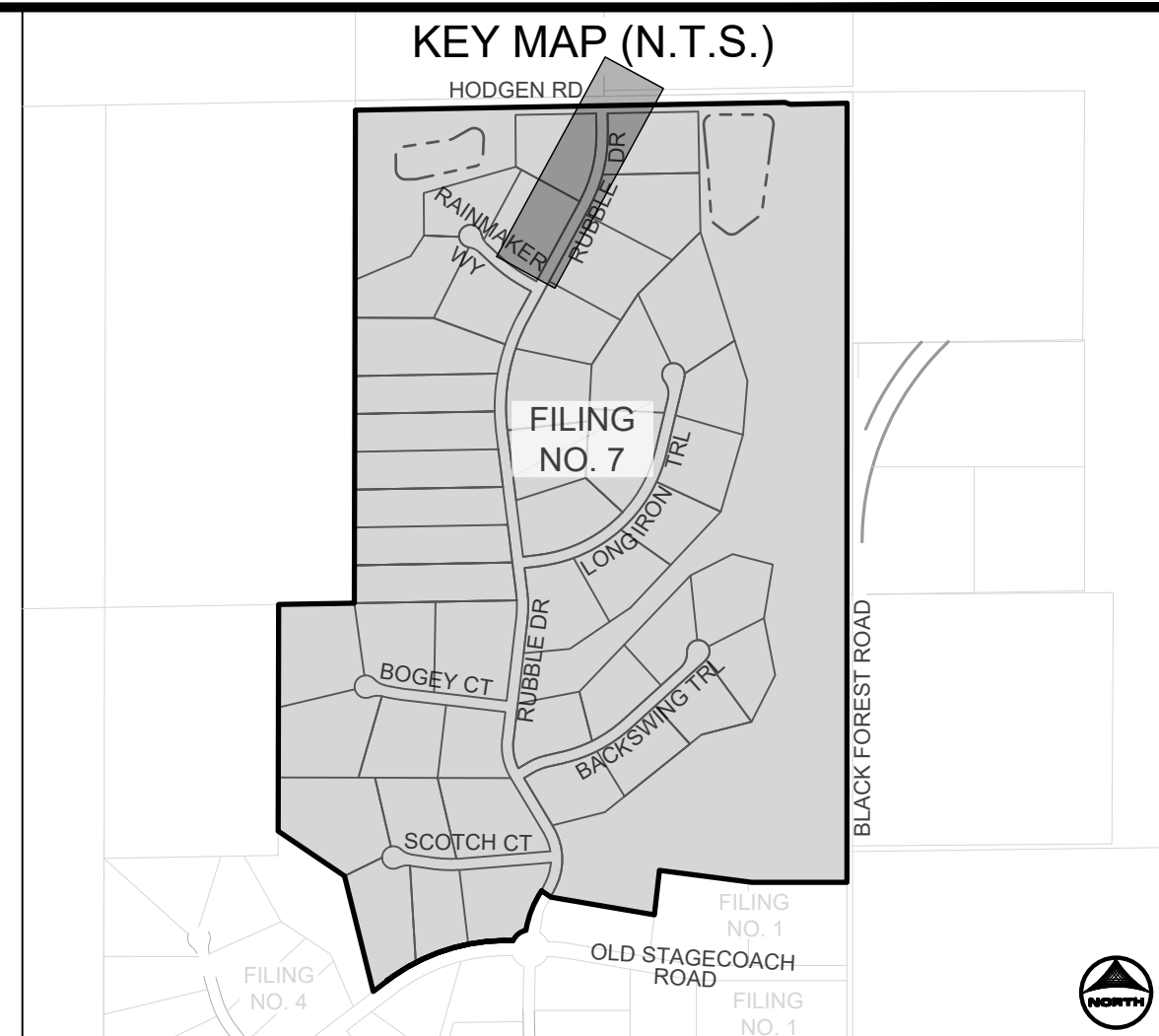
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RUBBLE DRIVE

SHEET
ST

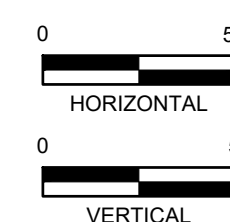
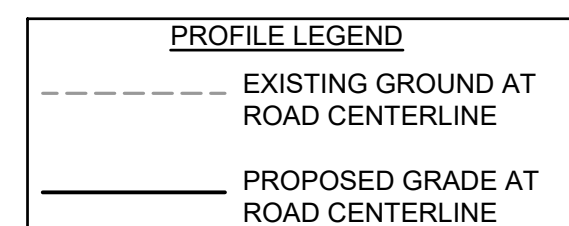
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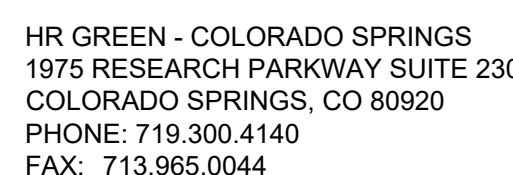
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NOTE: ALL STORM INFRASTRUCTURE IS CONSIDERED PUBLIC. PUBLIC STORM INFRASTRUCTURE WITHIN THE PUBLIC RIGHT-OF-WAY IS OWNED AND MAINTAINED BY EL PASO COUNTY. PUBLIC STORM INFRASTRUCTURE OUTSIDE OF THE RIGHT-OF-WAY IS OWNED AND MAINTAINED BY THE FLYING HORSE NORTH METROPOLITAN DISTRICT.



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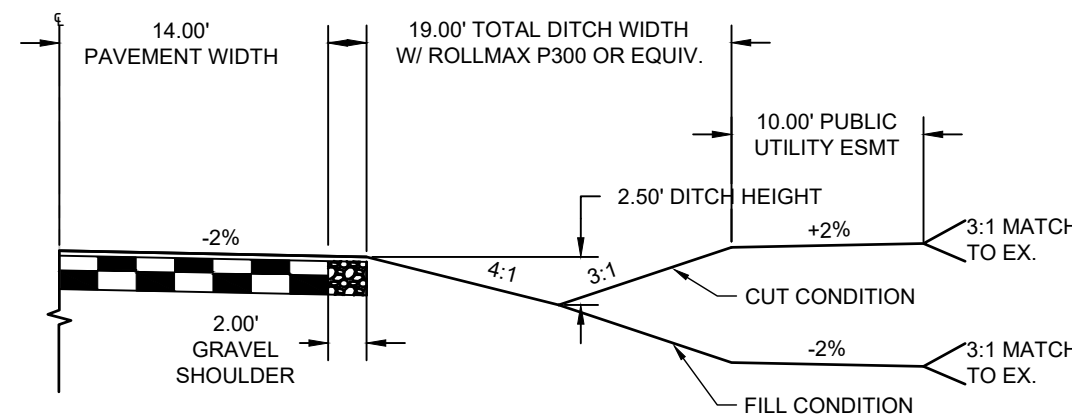
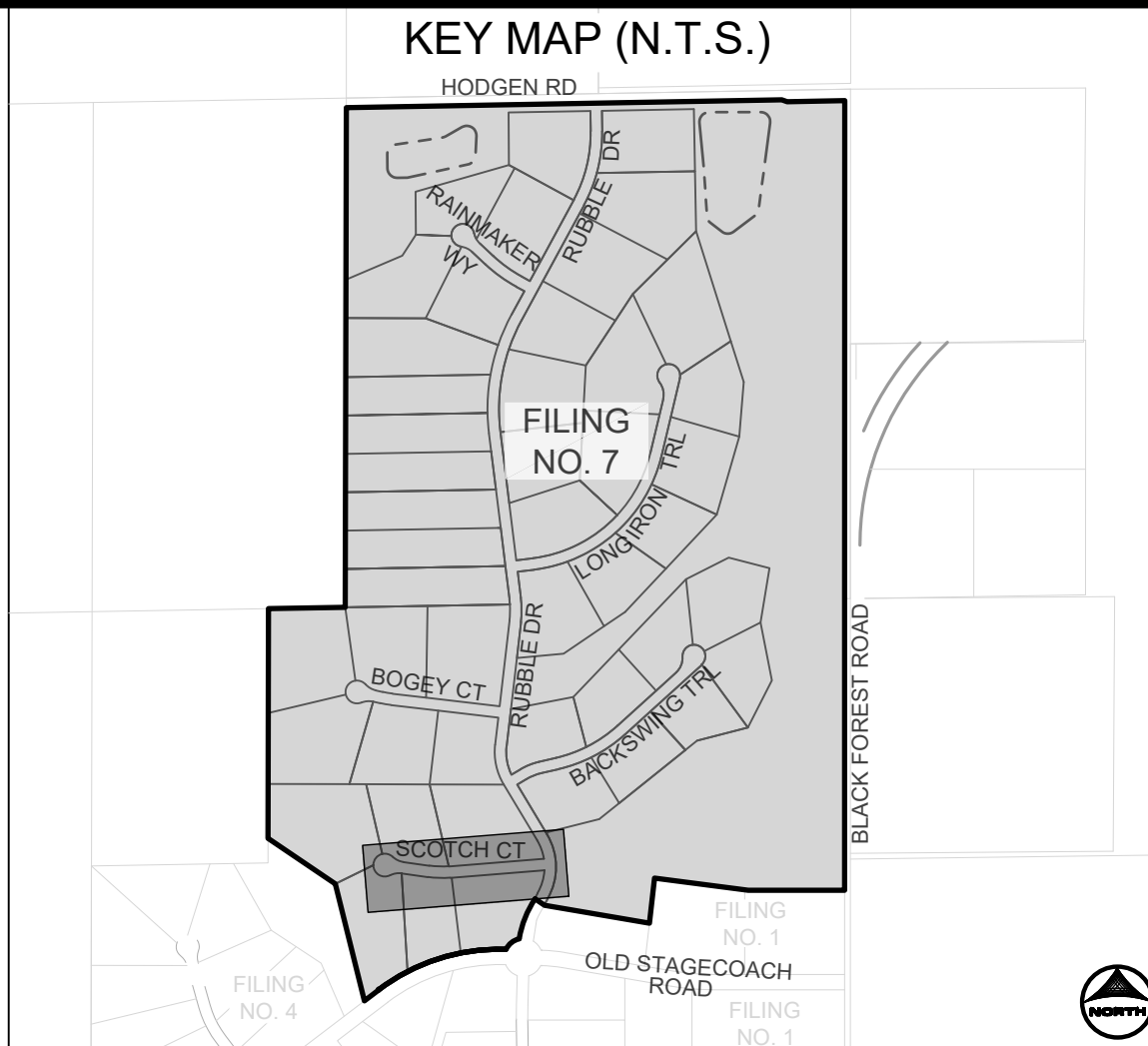
CONSTRUCTION DOCUMENTS
RUBBLE DRIVE

SHEET
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8



PCD FILE NO.: SF2532



RURAL LOCAL ROADWAY DITCH SECTION

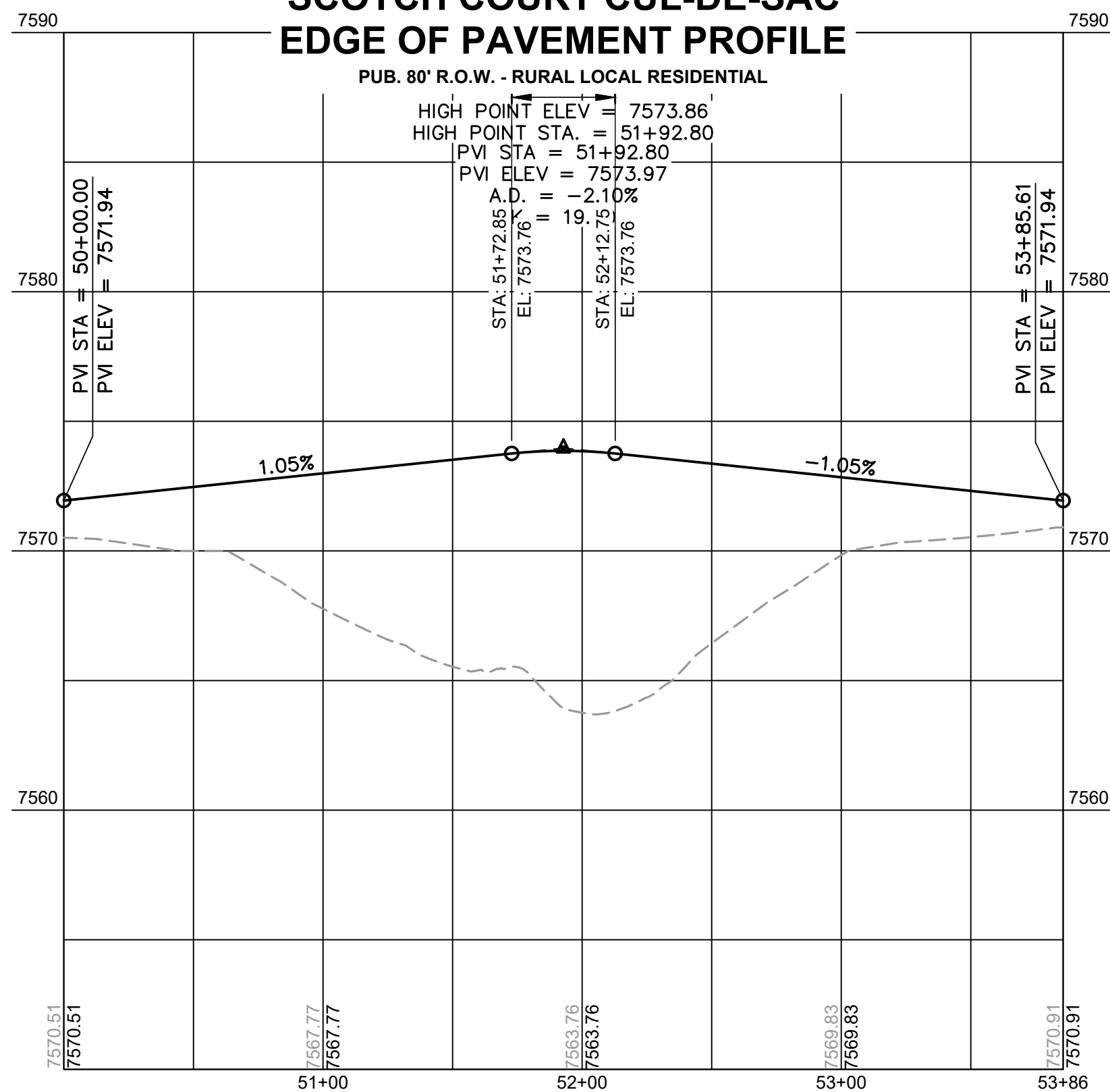
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LONGIRON TRAIL AND RAINMAKER WAY INCLUDING CUL-DE-SACS)

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PUB. 80' R.O.W. - RURAL LOCAL RESIDENTIAL

HIGH POINT ELEV = 7573.86
HIGH POINT STA. = 51+92.80
PVI STA = 51+92.80
PVI ELEV = 7573.97
A D = 2.10%



SCOTCH COURT CDS					
TAG NO.	RADIUS	LENGTH	LINE/CHORD DIRECTION	BEG. NORTHING/EASTING	END NORTHING/EASTING
L12		5.00'	N81° 52' 27.25"W	N:448376.44, E:226086.67	N:448377.15, E:226081.72
C20	98.00'	69.33'	N61° 36' 22.81"W	N:448377.15, E:226081.72	N:448409.43, E:226021.99
C21	52.00'	236.94'	S8° 07' 32.75"W	N:448409.43, E:226021.99	N:448331.19, E:226010.82
C22	98.00'	69.33'	N77° 51' 28.31"E	N:448331.19, E:226010.82	N:448345.47, E:226077.20
L13		5.00'	S81° 52' 27.25"E	N:448345.47, E:226077.20	N:448344.76, E:226082.15

NO.	DATE	BY	REVISION DESCRIPTION



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

FLYING HORSE NORTH FILING 7
PRI #2, LLC.
EL PASO COUNTY, CO

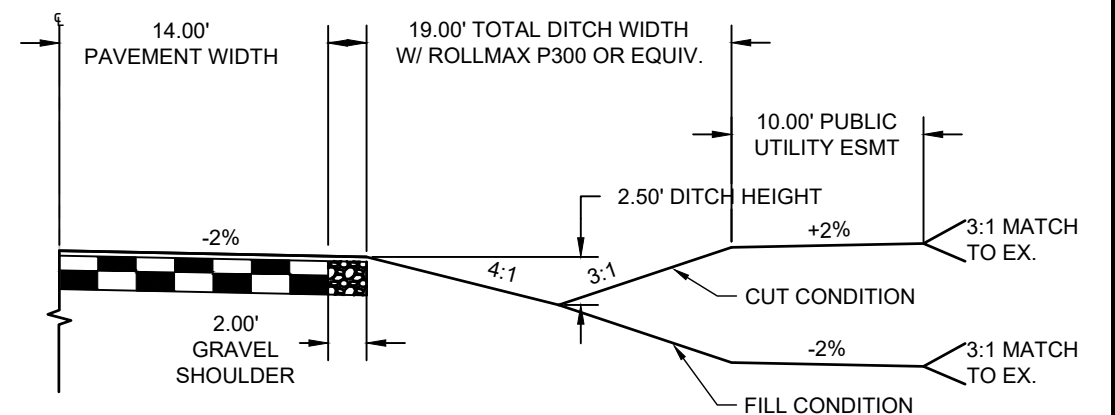
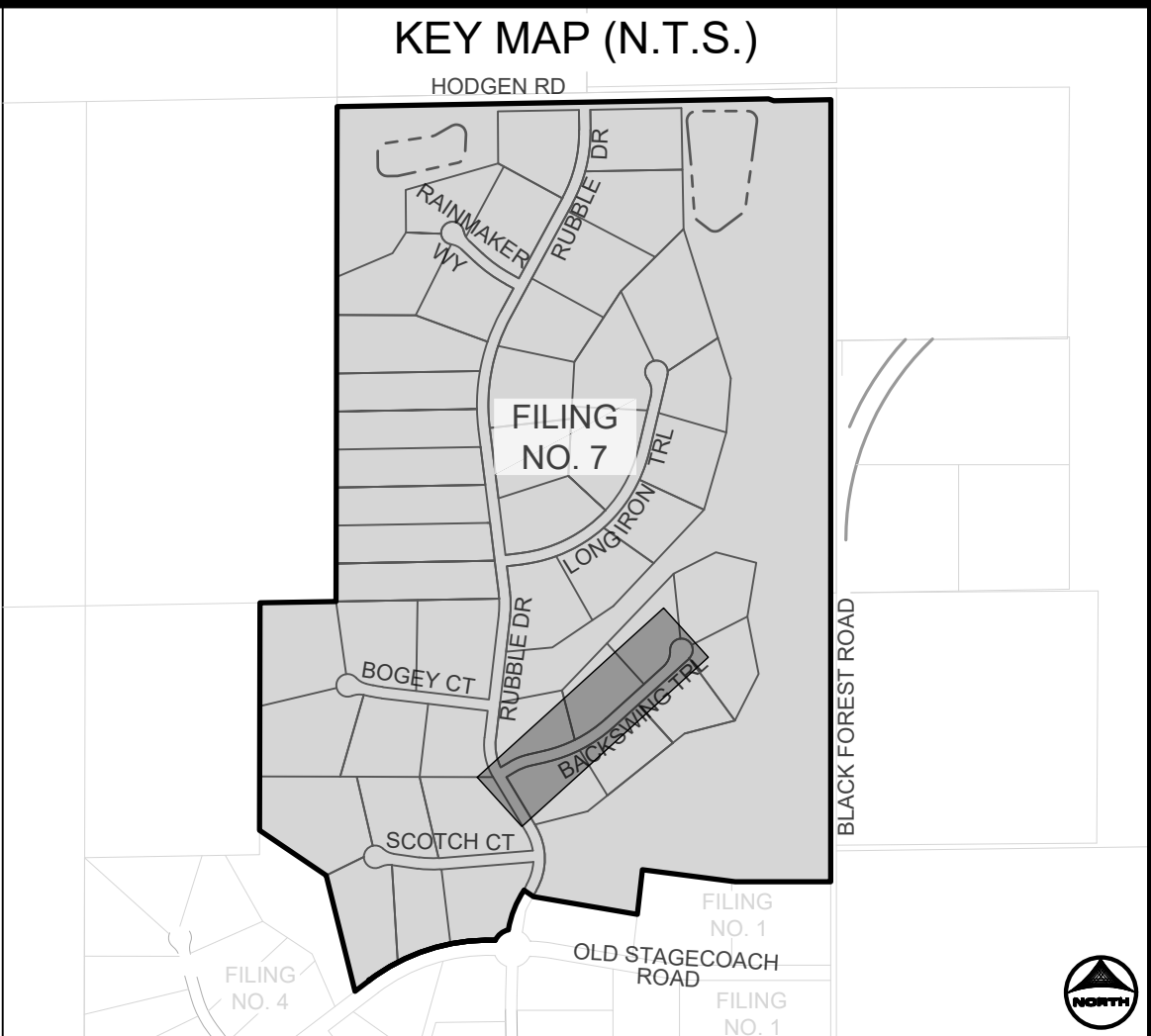
CONSTRUCTION DOCUMENTS
SCOTCH COURT

SHEET
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9

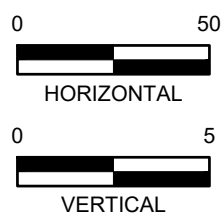
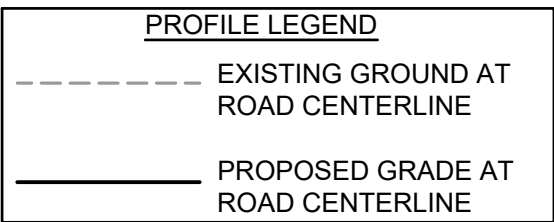


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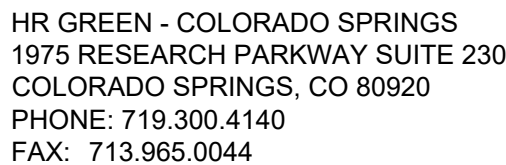
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BACKSWING TRAIL CDS					
TAG NO.	RADIUS	LENGTH	LINE/CHORD DIRECTION	BEG. NORTHING/EASTING	END NORTHING/EASTING
L14		87.27'	N47° 45' 25.48"E	N:449343.36, E:227530.30	N:449402.03, E:227594.91
C23	98.00'	27.81'	N55° 53' 13.85"E	N:449402.03, E:227594.91	N:449417.58, E:227617.86
C24	52.00'	228.89'	N62° 05' 05.72"W	N:449417.58, E:227617.86	N:449456.91, E:227543.61
C25	98.00'	95.69'	S19° 47' 05.91"W	N:449456.91, E:227543.61	N:449370.41, E:227512.49
L15		5.00'	S47° 45' 25.48"W	N:449370.41, E:227512.49	N:449367.05, E:227508.79

NO.	DATE	BY	REVISION DESCRIPTION



FLYING HORSE NORTH FILING 7
PRI #2, LLC.
EL PASO COUNTY, CO

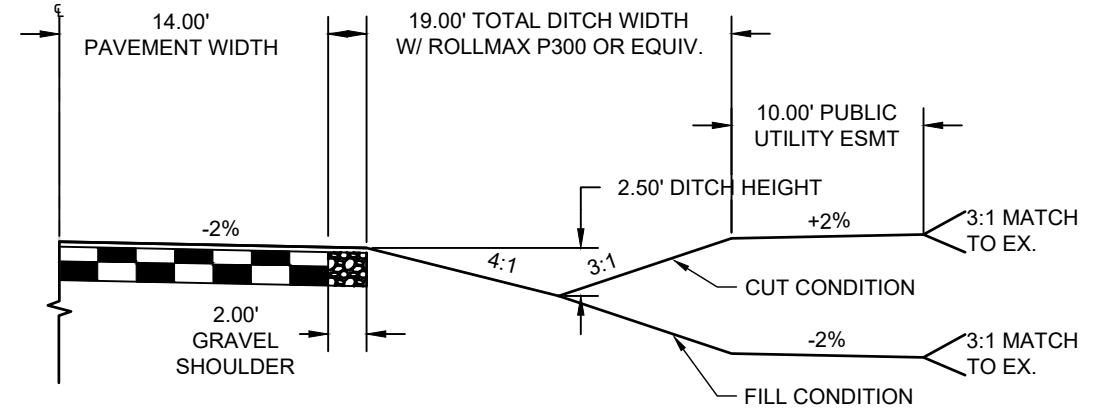
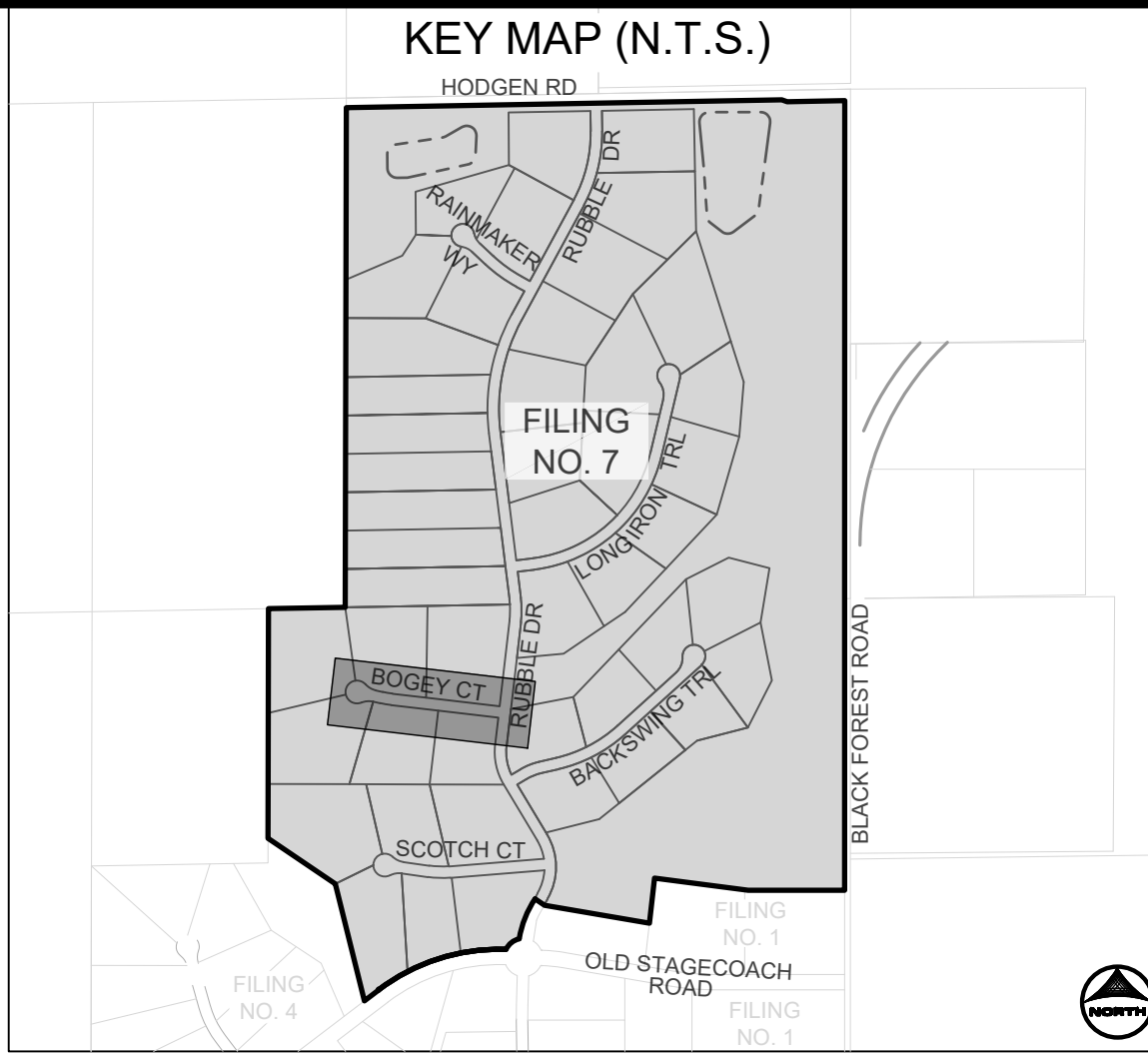
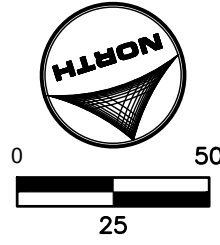
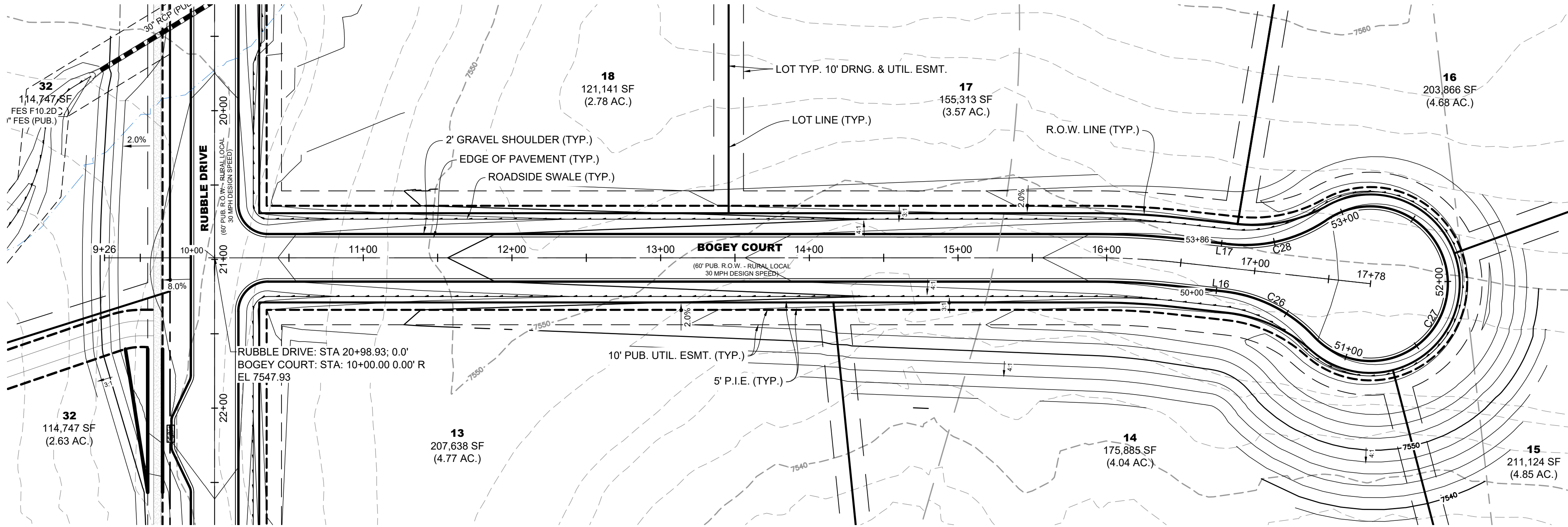
CONSTRUCTION DOCUMENTS
BACKSWING TRAIL

SHEET
ST

10



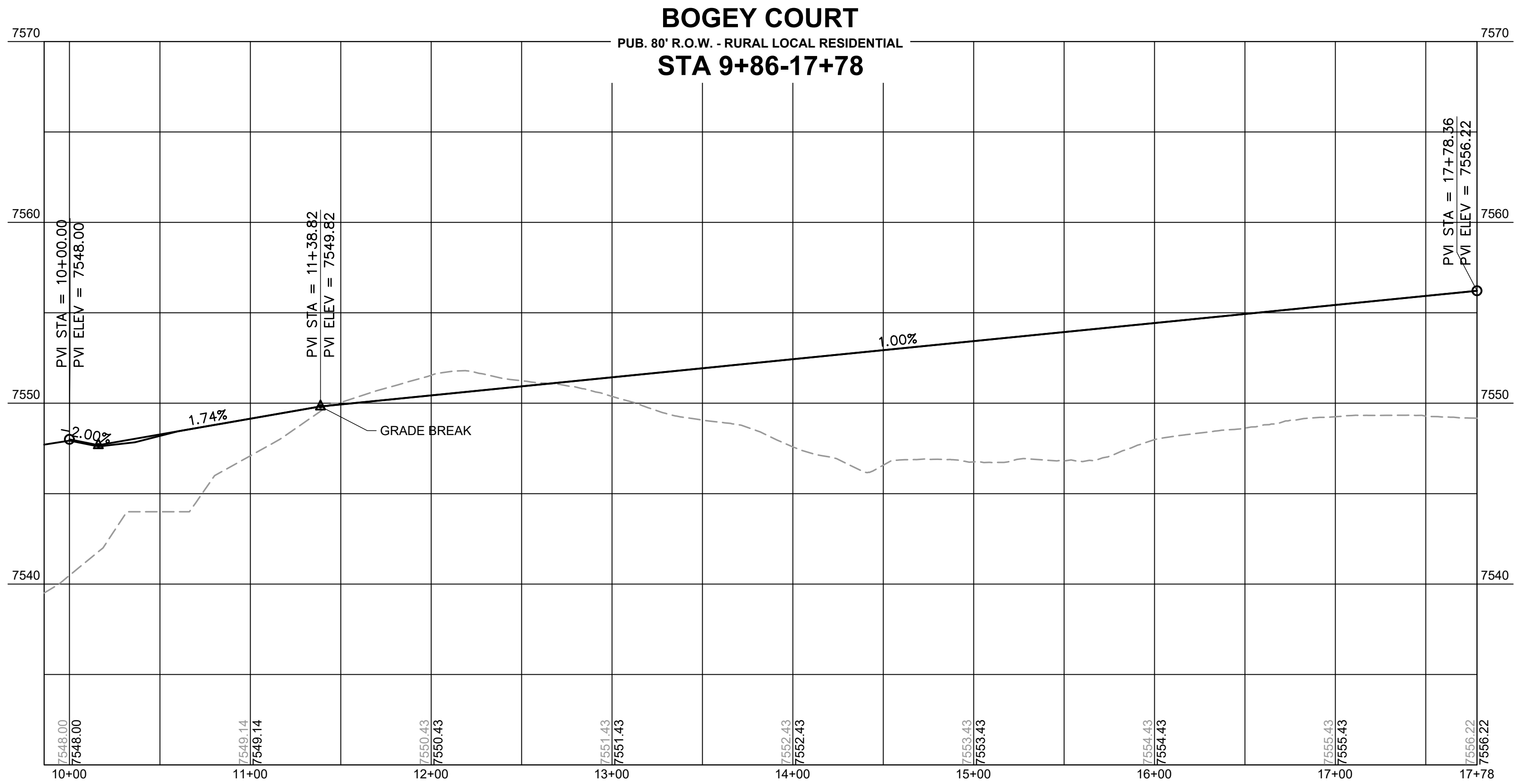
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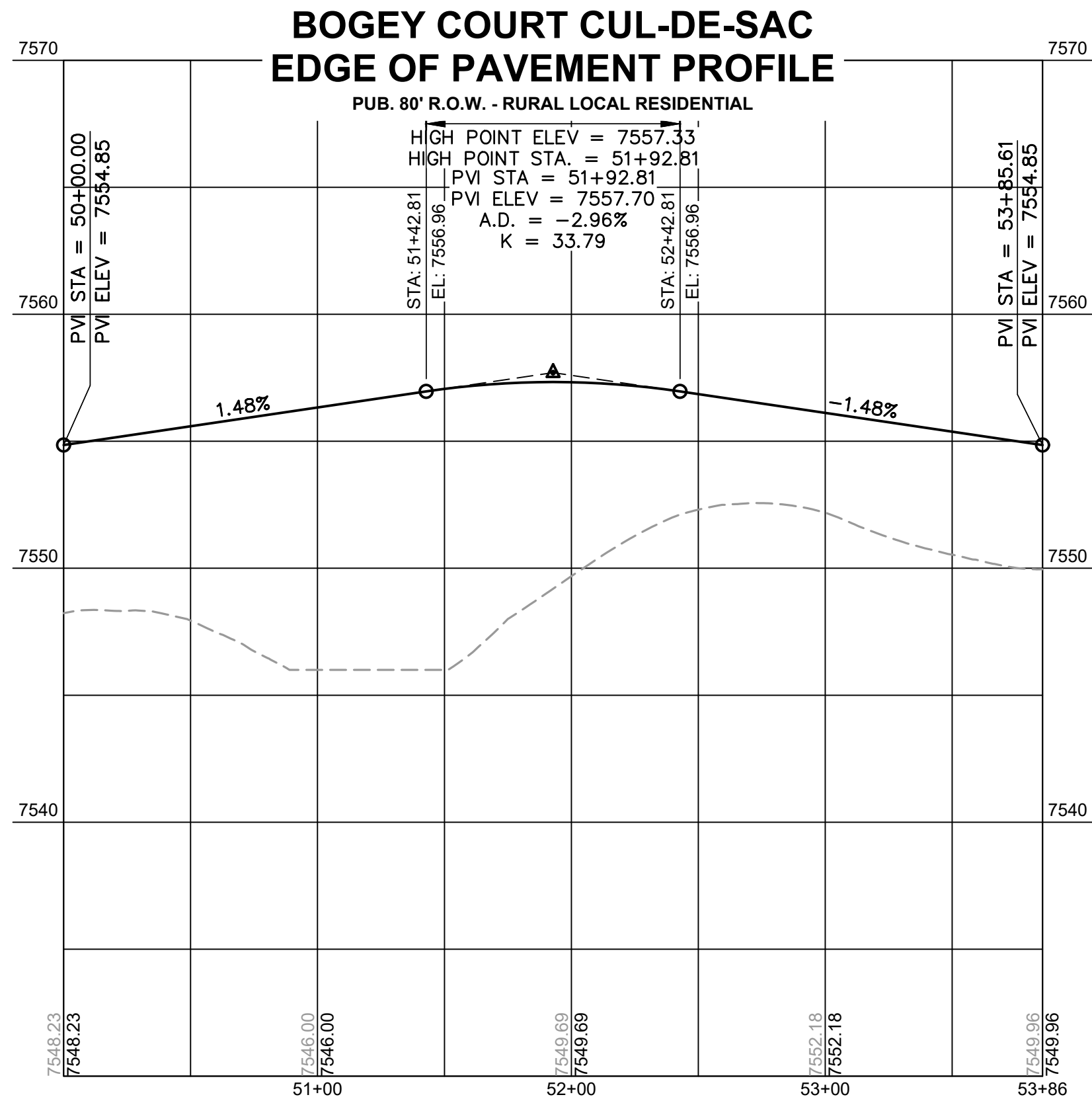
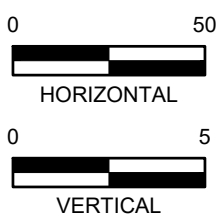
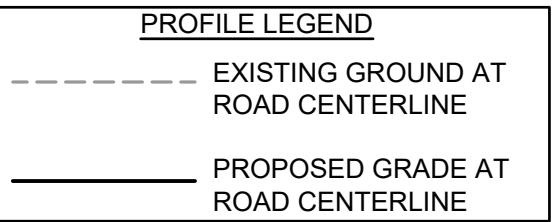
RURAL LOCAL ROADWAY DITCH SECTION

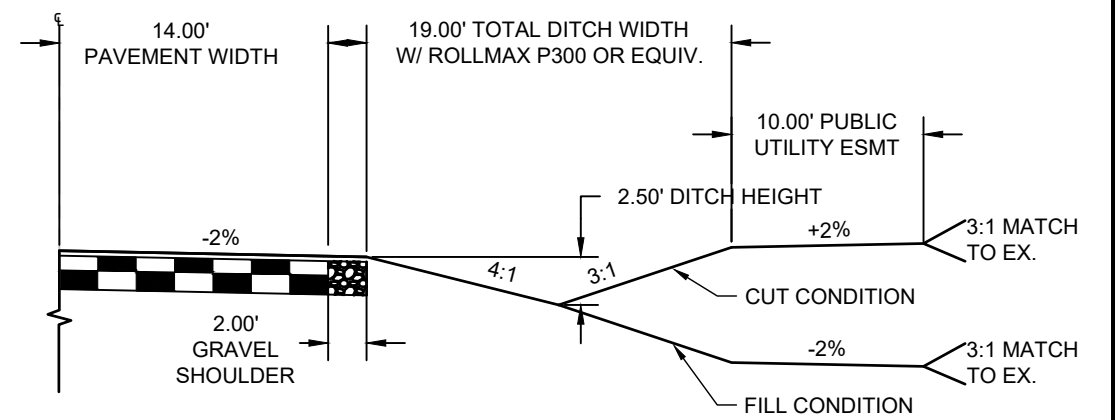
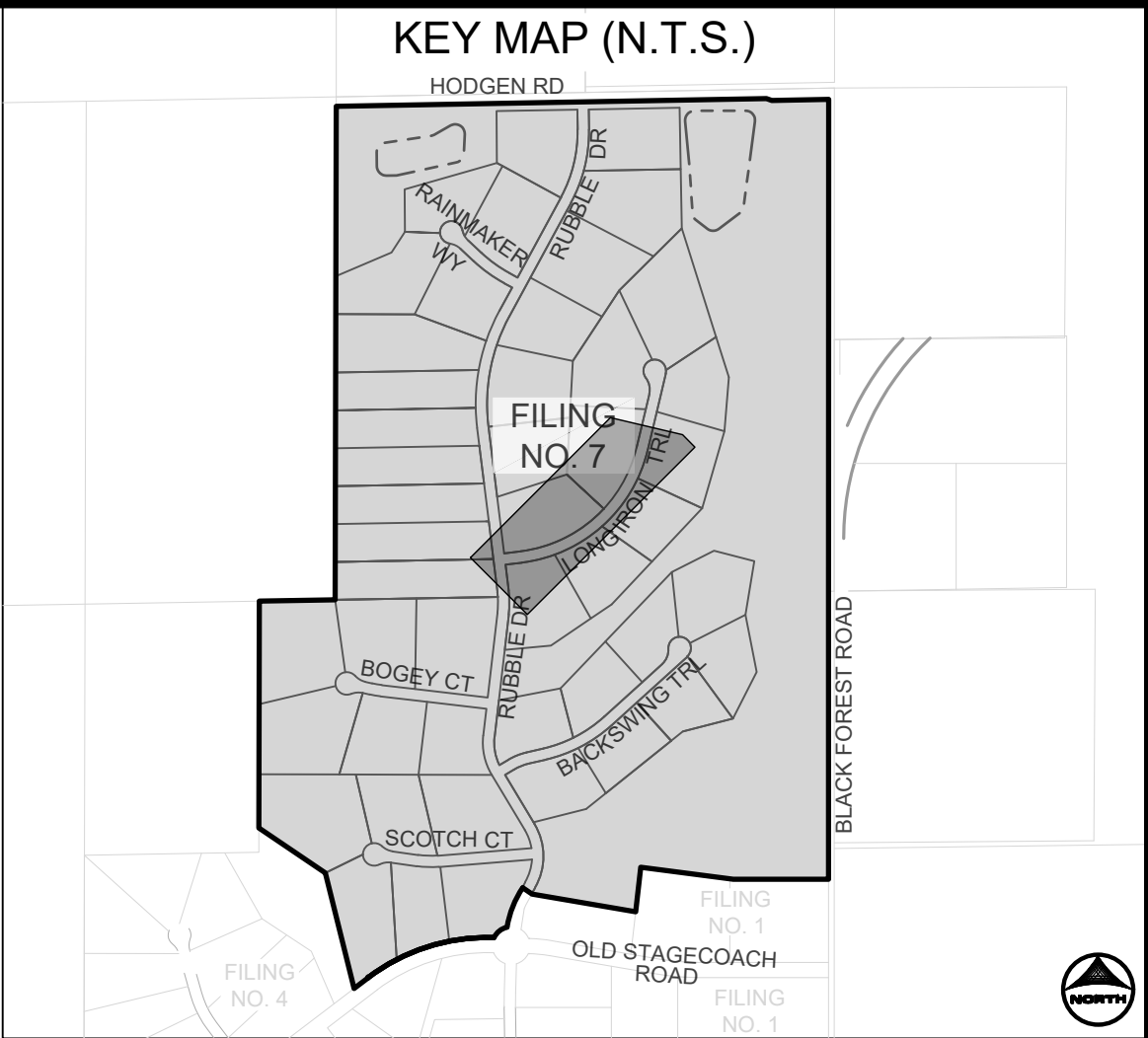
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(ROADS USING THIS SECTION: SCOTCH CT, BACKSWING TRAIL, BOGET CT, LONGIRON TRAIL AND RAINMAKER WAY INCLUDING CUL-DE-SACS)

NOTE: ALL STORM INFRASTRUCTURE IS CONSIDERED PUBLIC. PUBLIC STORM INFRASTRUCTURE WITHIN THE PUBLIC RIGHT-OF-WAY IS OWNED AND MAINTAINED BY EL PASO COUNTY. PUBLIC STORM INFRASTRUCTURE OUTSIDE OF THE RIGHT-OF-WAY IS OWNED AND MAINTAINED BY THE FLYING HORSE NORTH METROPOLITAN DISTRICT.



BOGEY COURT CDS					
TAG NO.	RADIUS	LENGTH	LINE/CHORD DIRECTION	BEG. NORTHING/EASTING	END NORTHING/EASTING
L16		5.00'	N77° 01' 57.63"W	N:449270.74, E:225941.39	N:449271.87, E:225936.51
C26	98.00'	69.33'	N56° 45' 53.19"W	N:449271.87, E:225936.51	N:449309.08, E:225879.72
C27	52.00'	236.94'	S12° 58' 02.37"W	N:449309.08, E:225879.72	N:449232.05, E:225861.99
C28	98.00'	69.33'	N82° 41' 57.92"E	N:449232.05, E:225861.99	N:449240.68, E:225929.33
L17		5.00'	S77° 01' 57.63"E	N:449240.68, E:225929.33	N:449239.56, E:225934.20

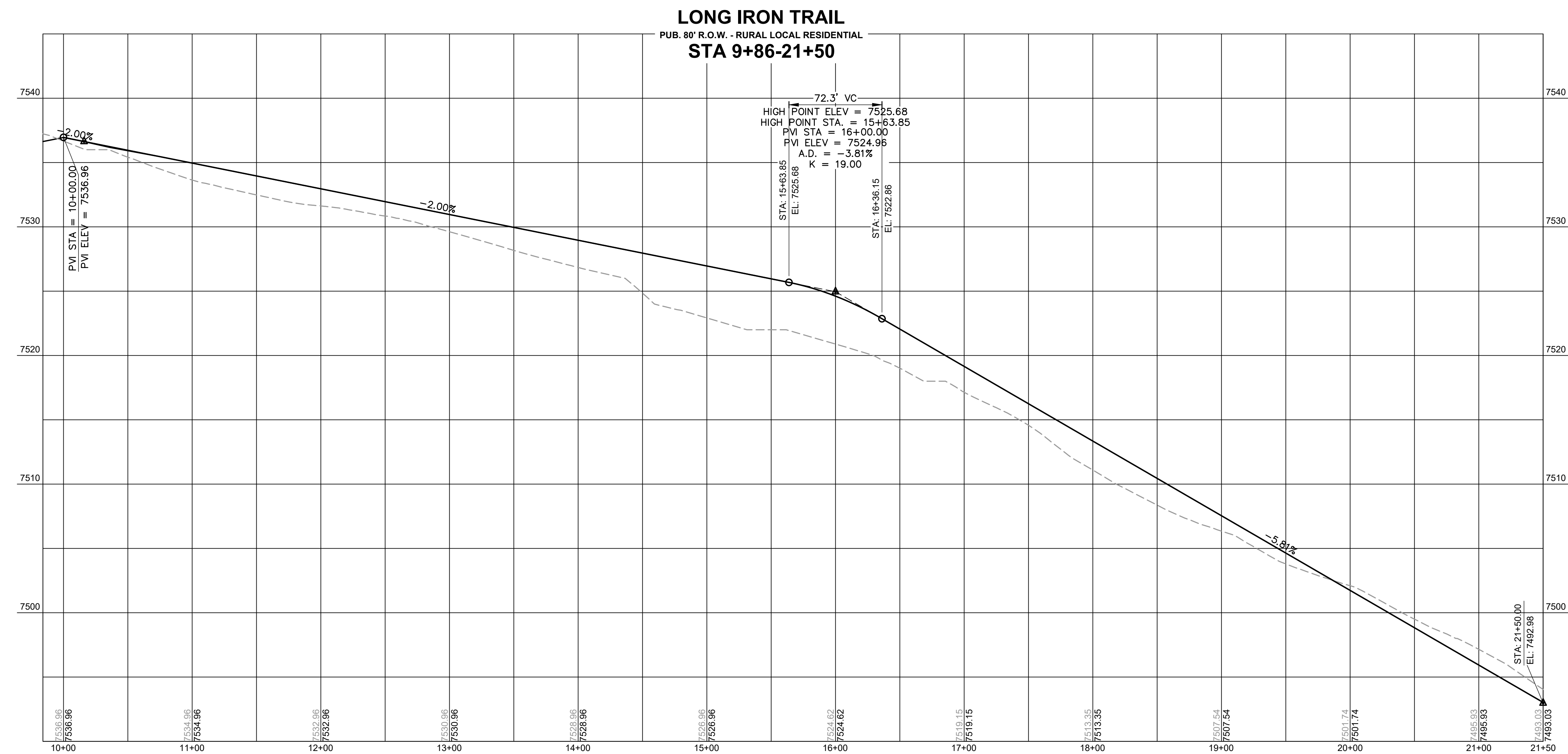




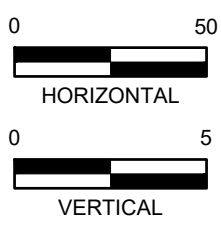
RURAL LOCAL ROADWAY DITCH SECTION

SCALE: 1"=10'
(ROADS USING THIS SECTION: SCOTCH CT, BACKSWING TRAIL, BOGET CT,
LONGIRON TRAIL AND RAINMAKER WAY INCLUDING CUL-DE-SACS)

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<u>PROFILE LEGEND</u>	
-----	EXISTING GROUND AT ROAD CENTERLINE
—————	PROPOSED GRADE AT ROAD CENTERLINE



PCD FILE NO.: SF2532

DRAWN BY: SAV JOB DATE: 8/31/2026 BAR IS ONE INCH ON
APPROVED: RDL JOB NUMBER: 211030.260 OFFICIAL DRAWINGS.
0 XXXXXXXXXX 1"
CAD DATE: 9/22/2026 IF NOT ONE INCH,
CAD FILE: J:\2021\211030\CAD\DWG\C\Filing_NORTH\Street_PNP ADJUST SCALE ACCORDINGLY.

NO.	DATE	BY	REVISION DESCRIPTION



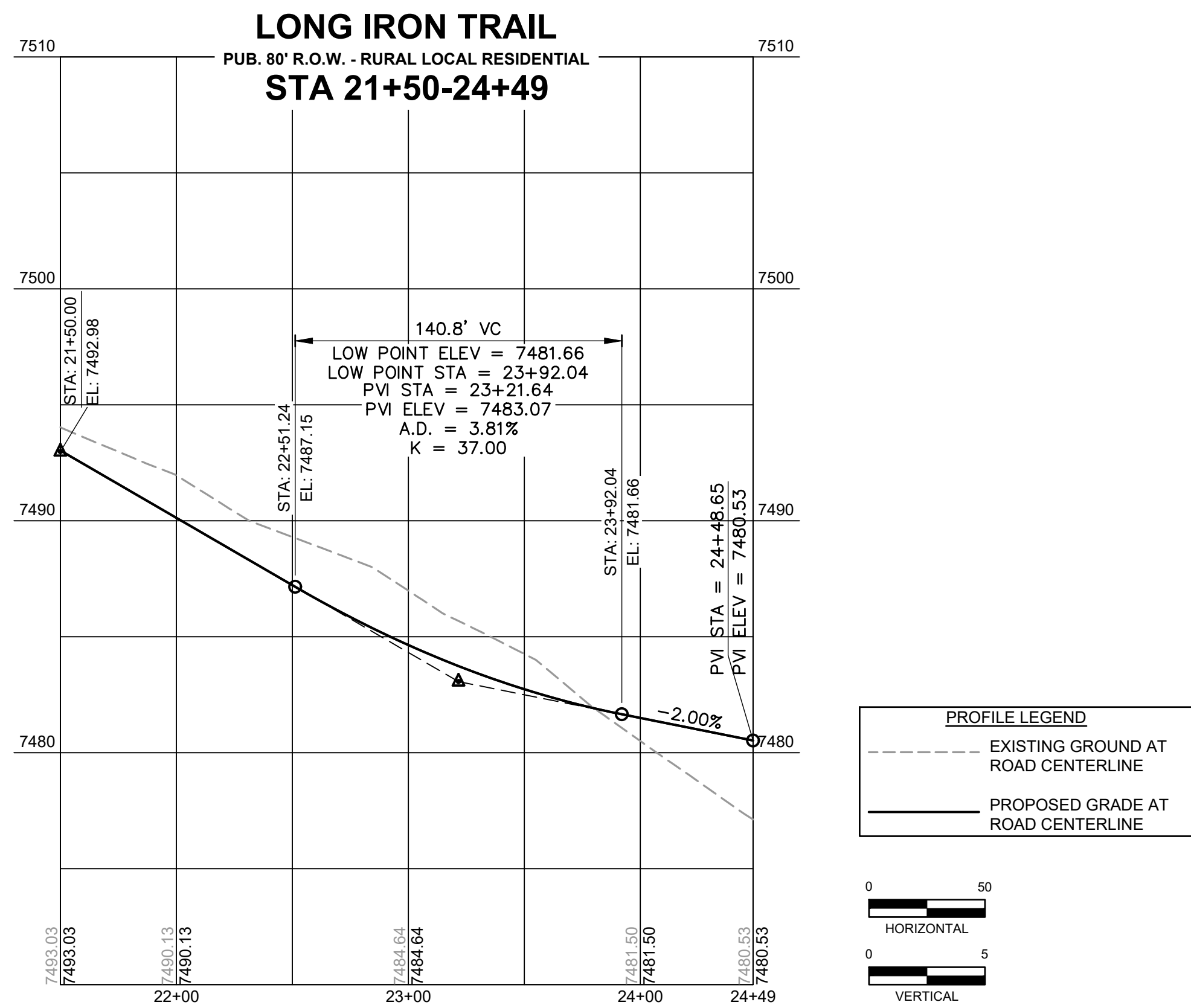
HR GREEN - COLORADO SPRINGS
1975 RESEARCH PARKWAY SUITE 230
COLORADO SPRINGS, CO 80920
PHONE: 719.300.4140
FAX: 713.965.0044

FLYING HORSE NORTH FILING 7
PRI #2, LLC.
EL PASO COUNTY, CO

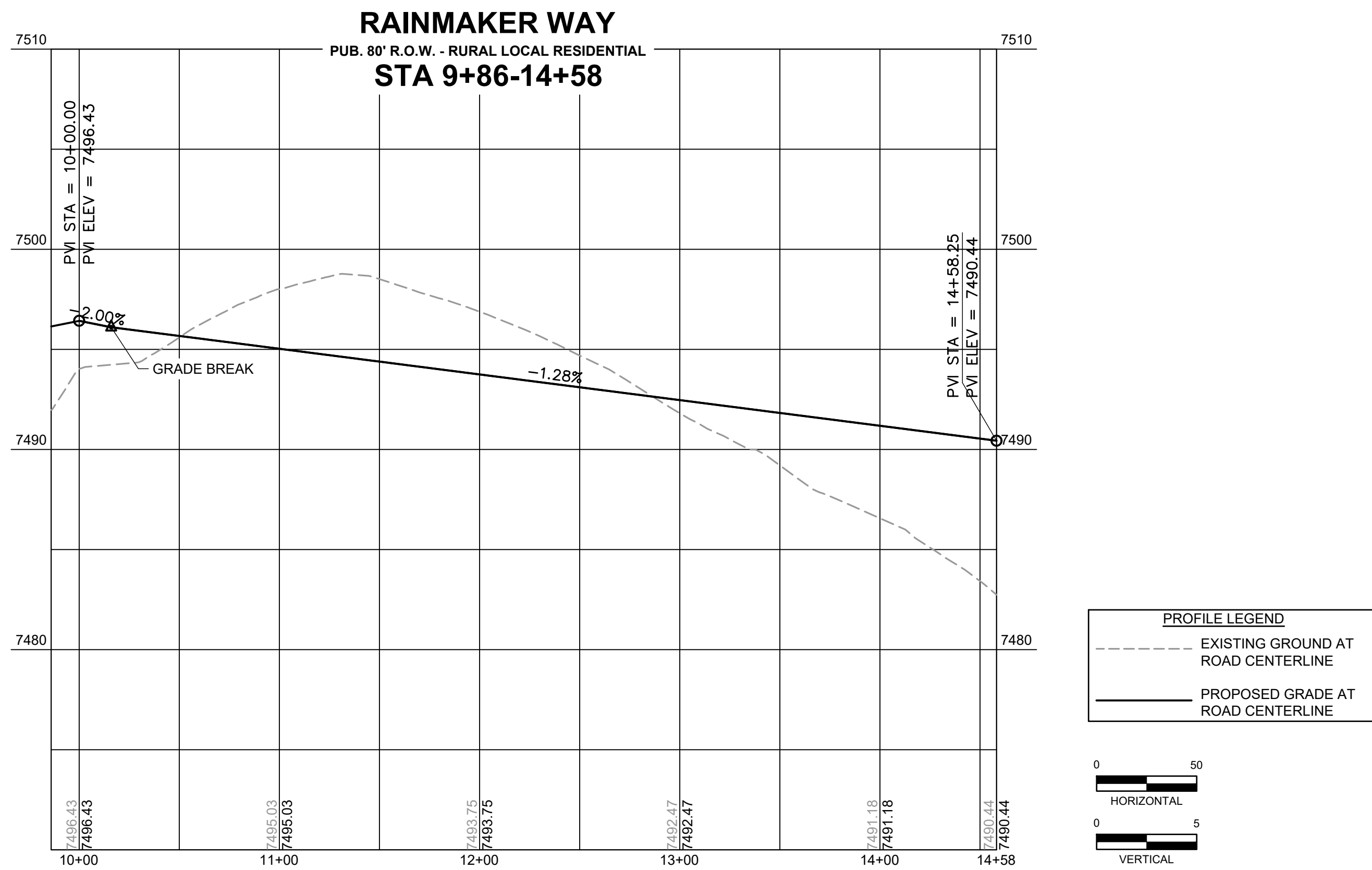
CONSTRUCTION DOCUMENTS
LONG IRON TRAIL

SHEET
ST

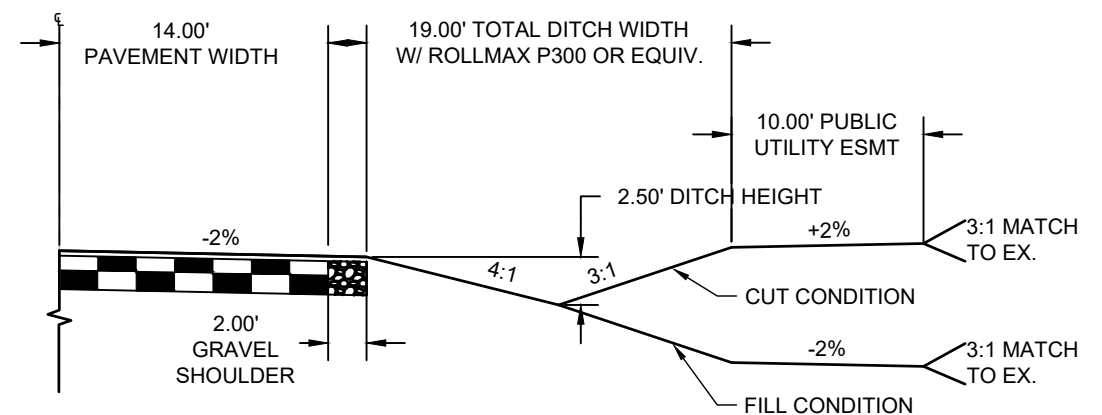
12



LONG IRON TRAIL CDS					
TAG NO.	RADIUS	LENGTH	LINE/CHORD DIRECTION	BEG. NORTHING/EASTING	END NORTHING/EASTING
L18		87.27'	N13° 21' 05.11"E	N:450791.50, E:227478.66	N:450876.41, E:227498.81
C29	98.00'	27.81'	N21° 28' 53.48"E	N:450876.41, E:227498.81	N:450902.21, E:227508.97
C30	52.00'	228.89'	S83° 30' 33.91"W	N:450902.21, E:227508.97	N:450892.71, E:227425.48
C31	98.00'	95.69'	S14° 37' 14.45"E	N:450892.71, E:227425.48	N:450803.75, E:227448.68
L19		5.00'	S13° 21' 05.11"W	N:450803.75, E:227448.68	N:450798.89, E:227447.53



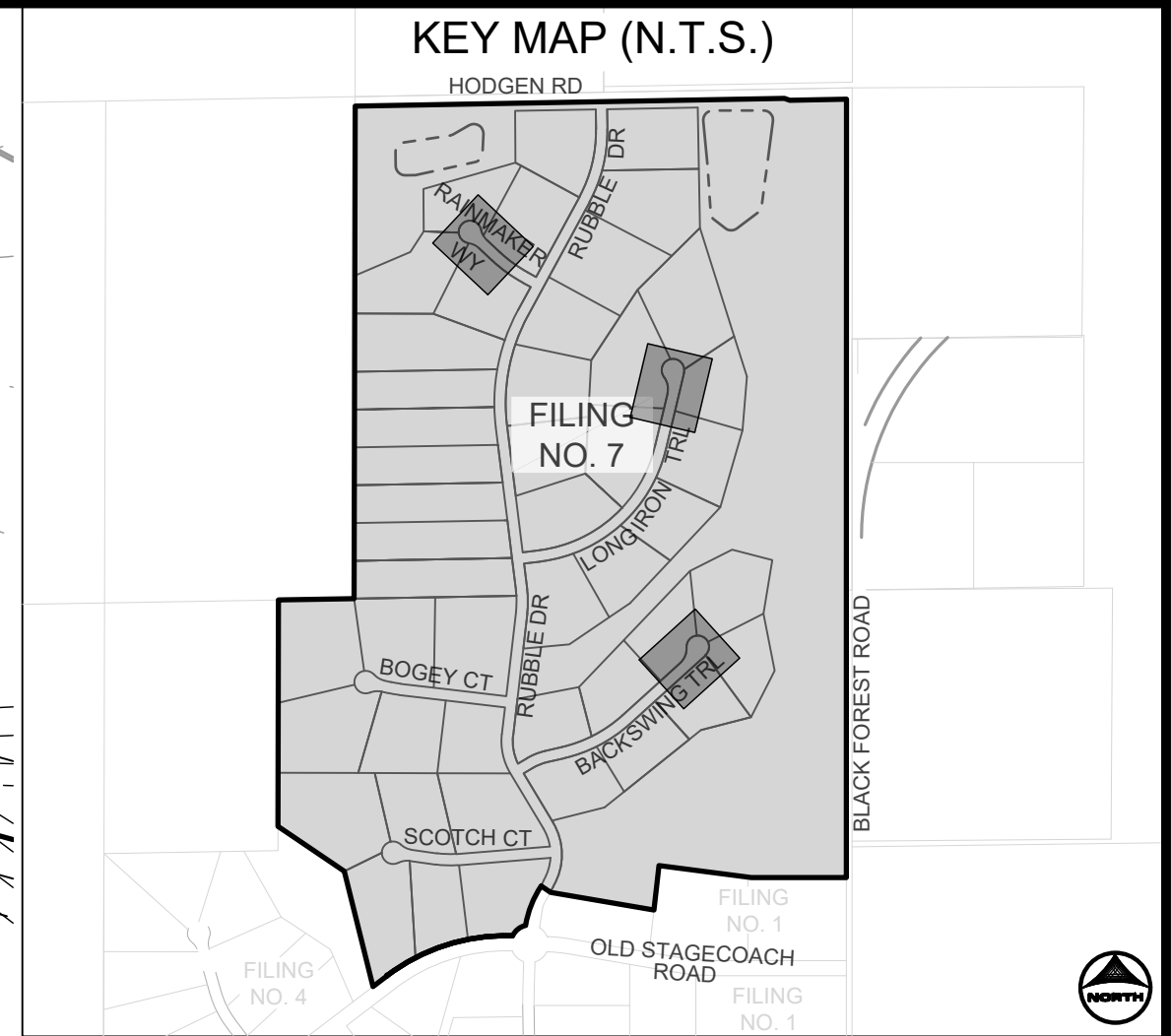
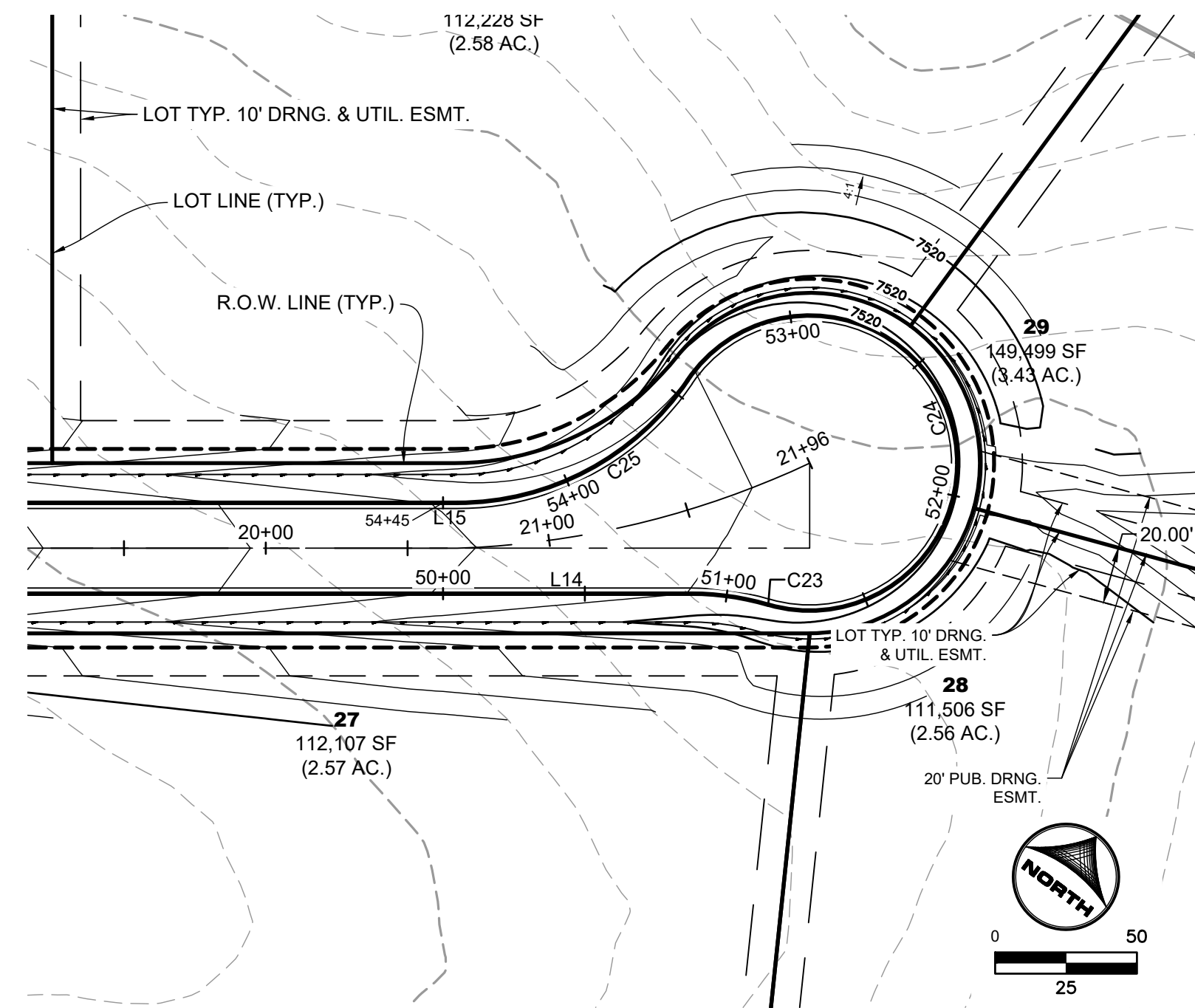
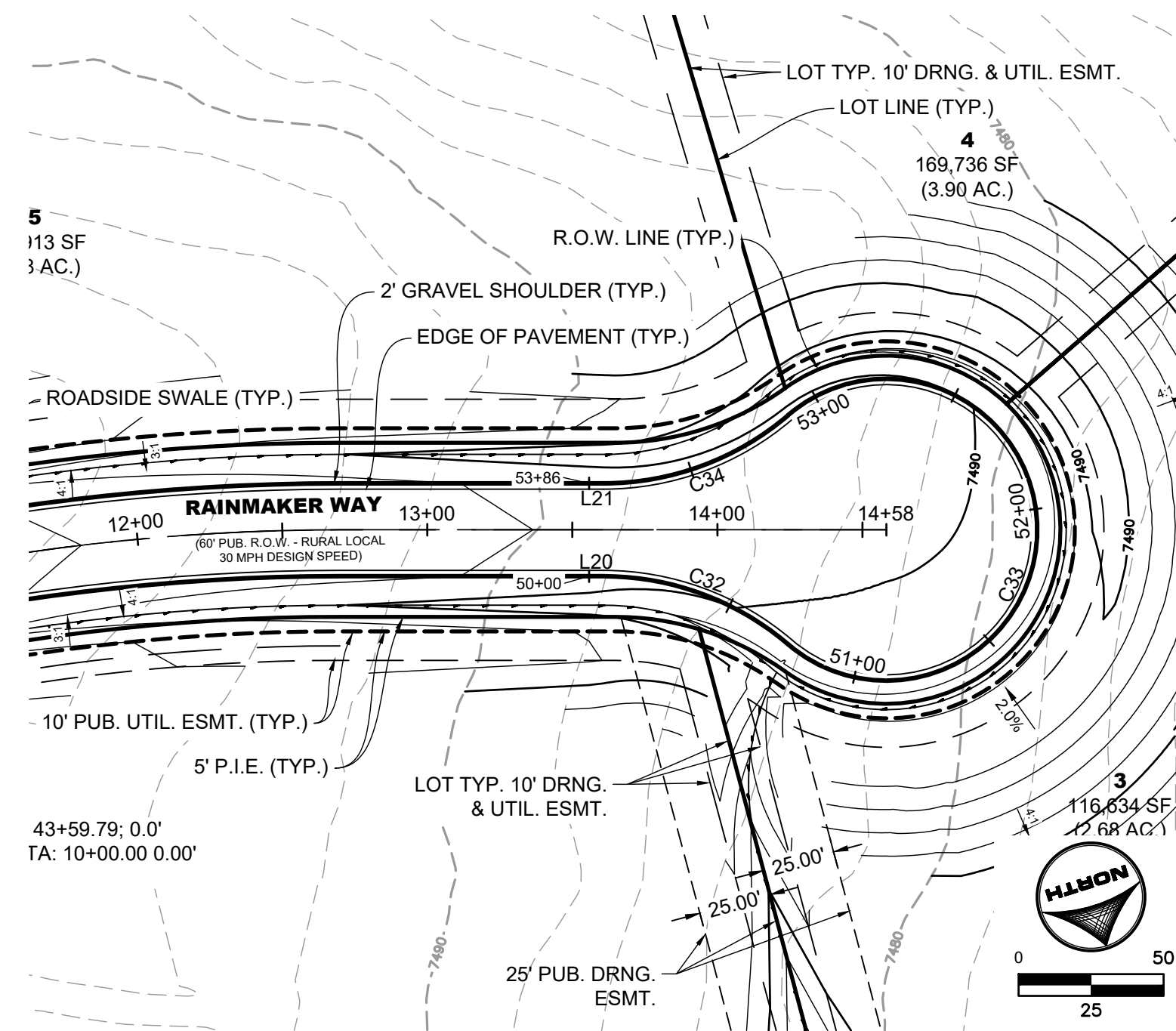
RAINMAKER WAY CDS					
TAG NO.	RADIUS	LENGTH	LINE/CHORD DIRECTION	BEG. NORTHING/EASTING	END NORTHING/EASTING
L20		5.00'	N46° 48' 03.74"W	N:451599.99, E:226478.01	N:451603.41, E:226472.37
C32	98.00'	69.33'	N26° 31' 59.30"W	N:451603.41, E:226472.37	N:451664.16, E:226442.04
C33	52.00'	236.94'	S43° 11' 56.26"W	N:451664.16, E:226442.04	N:451606.54, E:226387.93
C34	98.00'	69.33'	S67° 04' 08.18"E	N:451606.54, E:226387.93	N:451580.08, E:226450.46
L21		5.00'	S46° 48' 03.74"E	N:451580.08, E:226450.46	N:451576.66, E:226454.11



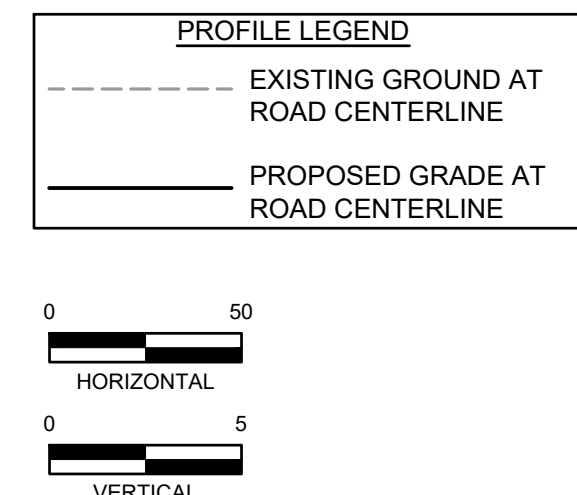
SCALE: 1"=10'
(ROADS USING THIS SECTION: SCOTCH CT, BACKSWING TRAIL, BOGET CT,
LONGIRON TRAIL AND RAINMAKER WAY INCLUDING CUL-DE-SACS)

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LONG IRON TRAIL CUL-DE-SAC
EDGE OF PAVEMENT PROFILE



CD FILE NO.: SF2532

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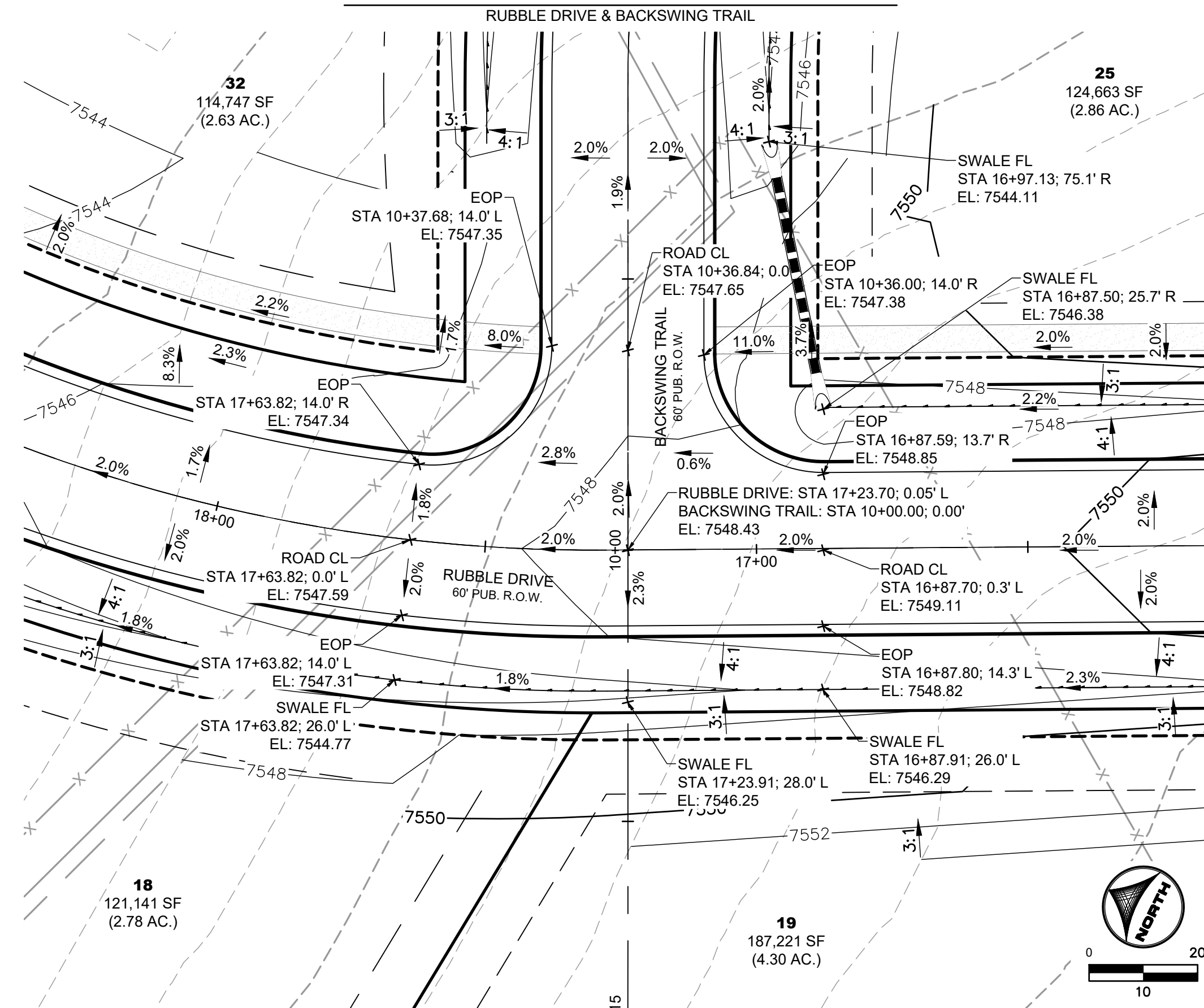
FLYING HORSE NORTH FILING 7
PRI #2, LLC.
EL PASO COUNTY, CO

CONSTRUCTION DOCUMENTS
CUL-DE-SAC DETAILS

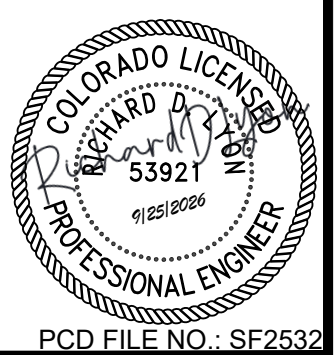
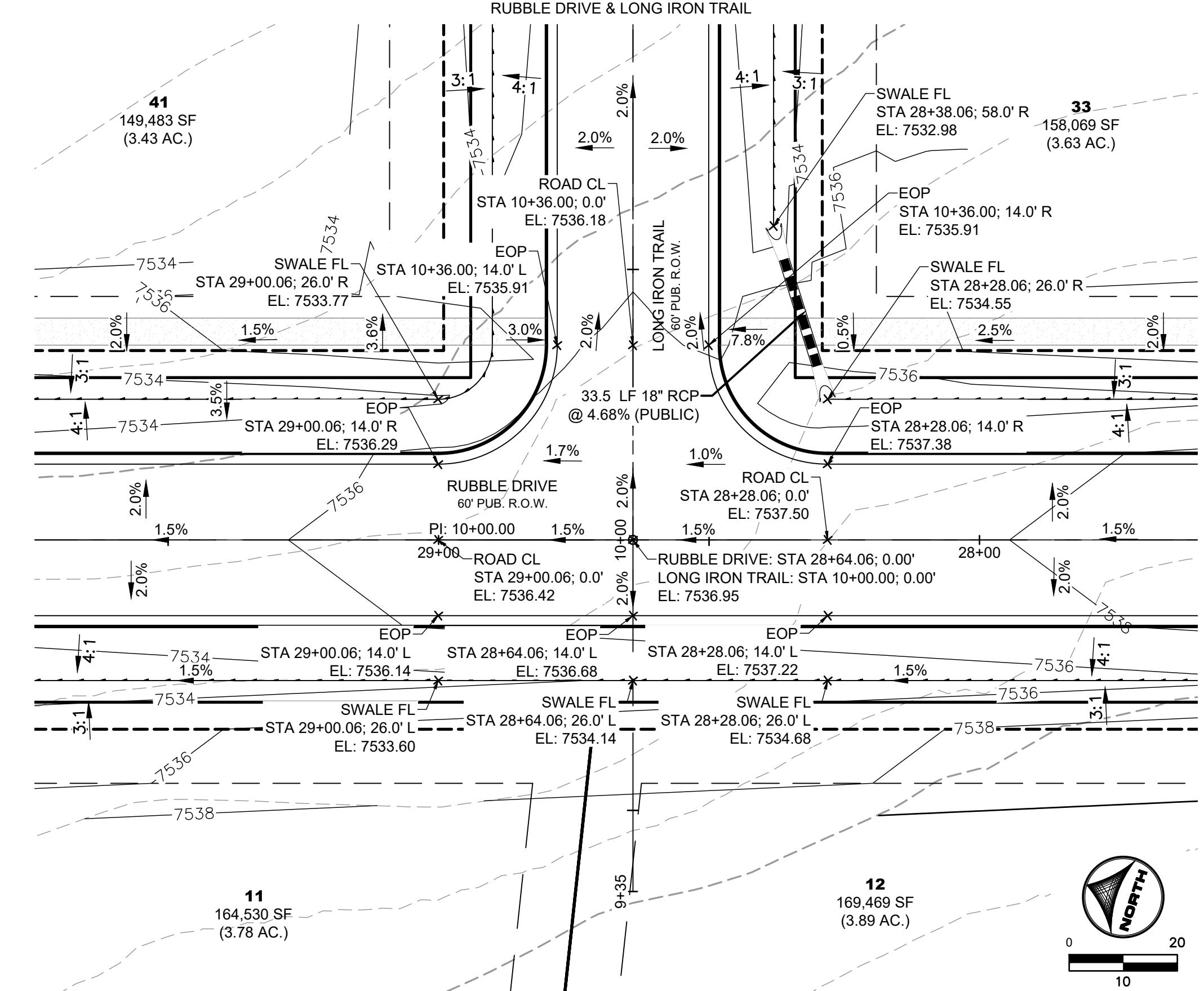
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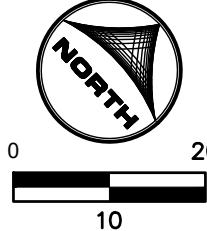
ROADWAY INTERSECTION DETAIL - B



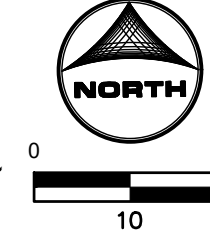
ROADWAY INTERSECTION DETAIL - D



RUBBLE DRIVE & RAINMAKER WAY



RUBBLE DRIVE & HODGEN ROAD



HODGEN RD



BAR IS ONE INCH ON
OFFICIAL DRAWINGS.
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Details

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

FLYING HORSE NORTH FILING 7
PRI #2, LLC.
EL PASO COUNTY, CO

CONSTRUCTION DOCUMENTS
INTERSECTION DETAILS

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CD FILE NO.: SF2532

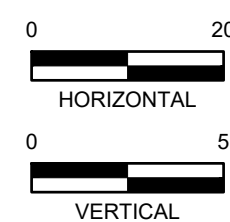


DISTRICT STORM CULVERT PIPE WITHIN NATURAL CHANNEL



EXISTING GROUND AT
PIPE ALIGNMENT

PROPOSED GRADE AT
PIPE ALIGNMENT



DRAWN BY: SAV	JOB DATE: 8/21/2026
APPROVED: RDL	JOB NUMBER: 211030.260
CAD DATE: 9/22/2026	
CAD FILE: J:\2021\211030\CAD\DWGS\C\Filing_NORTH\Storm PP	

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ADJUST SCALE ACCORDINGLY



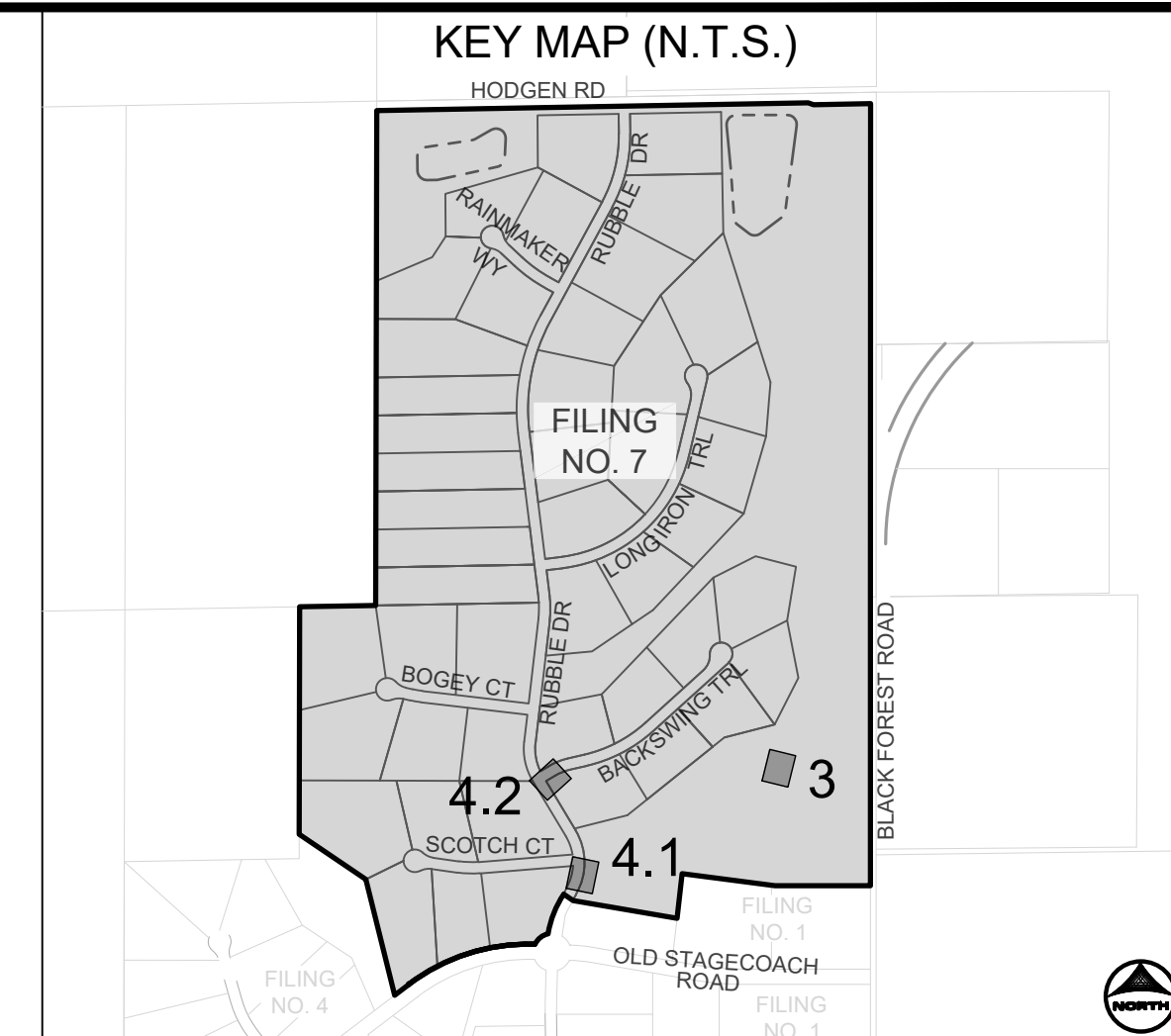
HR GREEN - COLORADO SPRINGS
1975 RESEARCH PARKWAY SUITE 230
COLORADO SPRINGS, CO 80920
PHONE: 719.300.4140
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FLYING HORSE NORTH FILING 7
PRI #2, LLC.
EL PASO COUNTY, CO

CONSTRUCTION DOCUMENTS
STORM CULVERTS I

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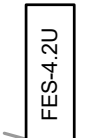
PUB. STORM CULVERT PIPE WITHIN RUBBLE DRIVE
PUB. 60' R.O.W. - RURAL LOCAL RESIDENTIAL



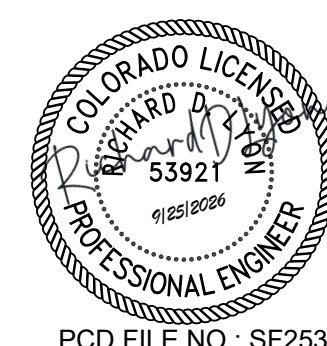
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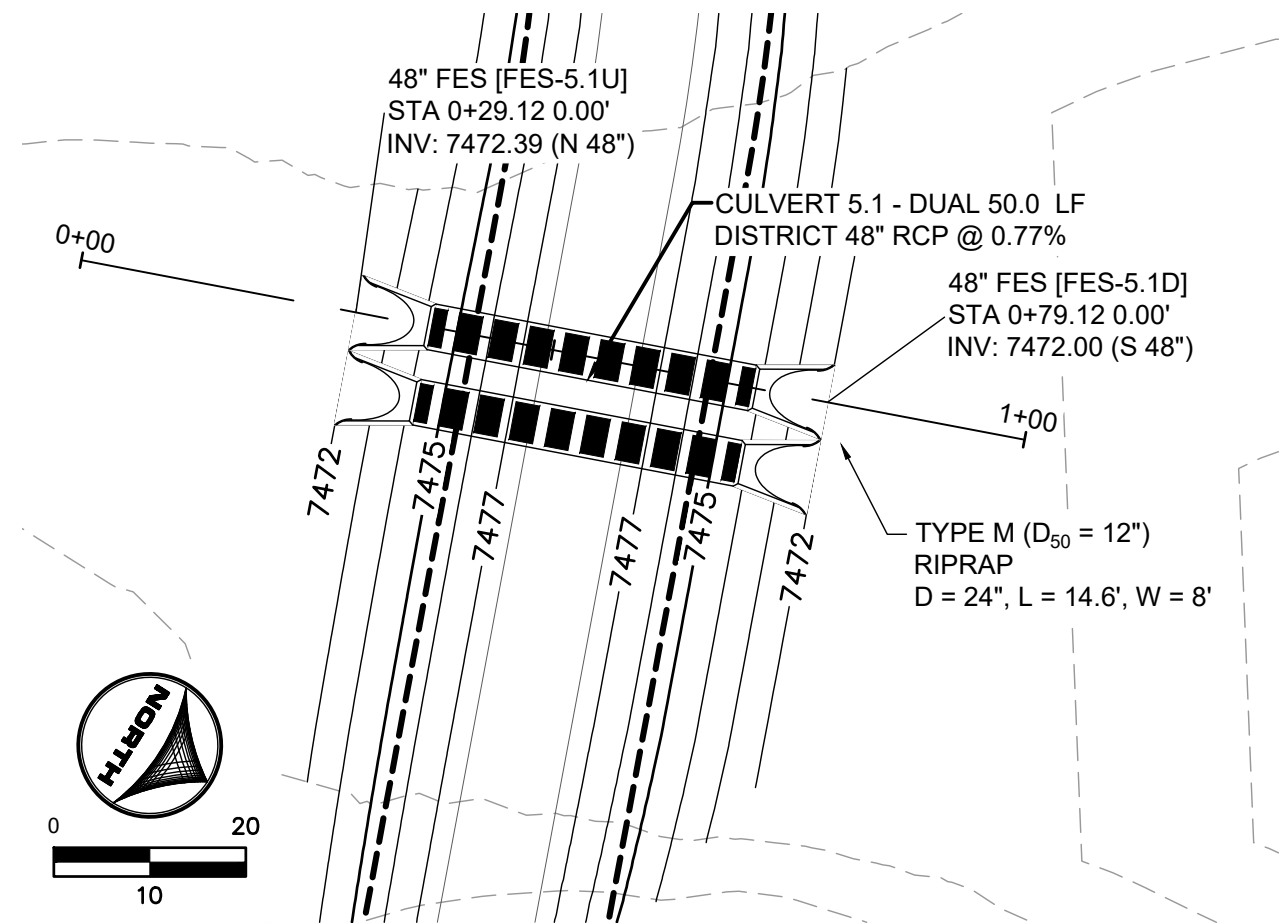
PUB. STORM CULVERT PIPE NEAR BACKSWING TRAIL
PUB. 60' R.O.W. - RURAL LOCAL RESIDENTIAL



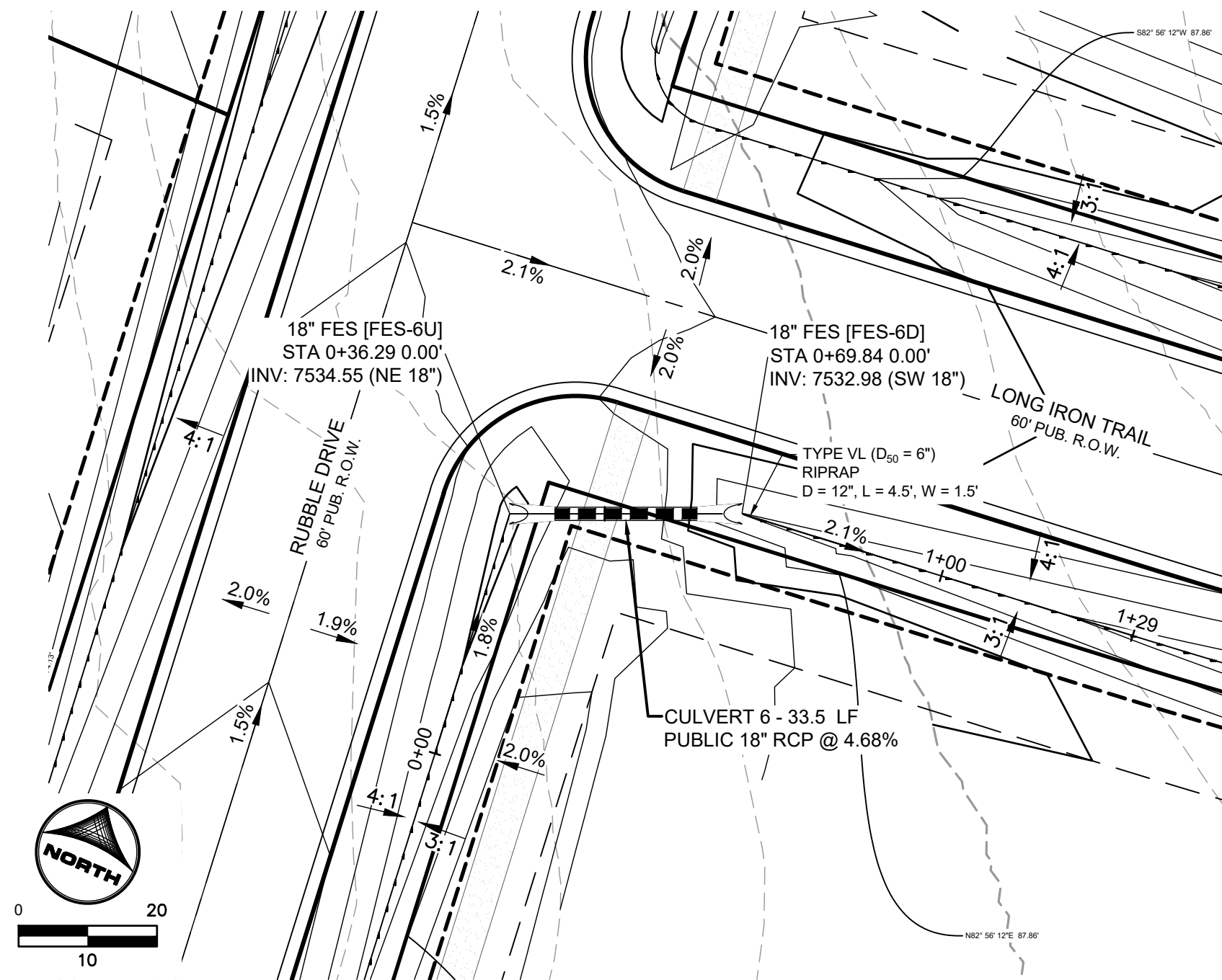
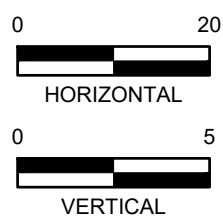
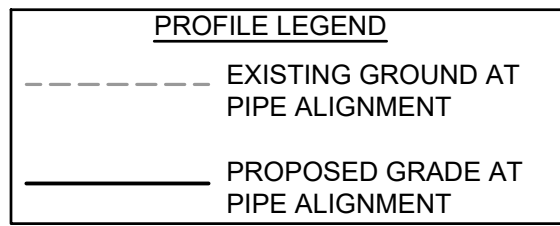
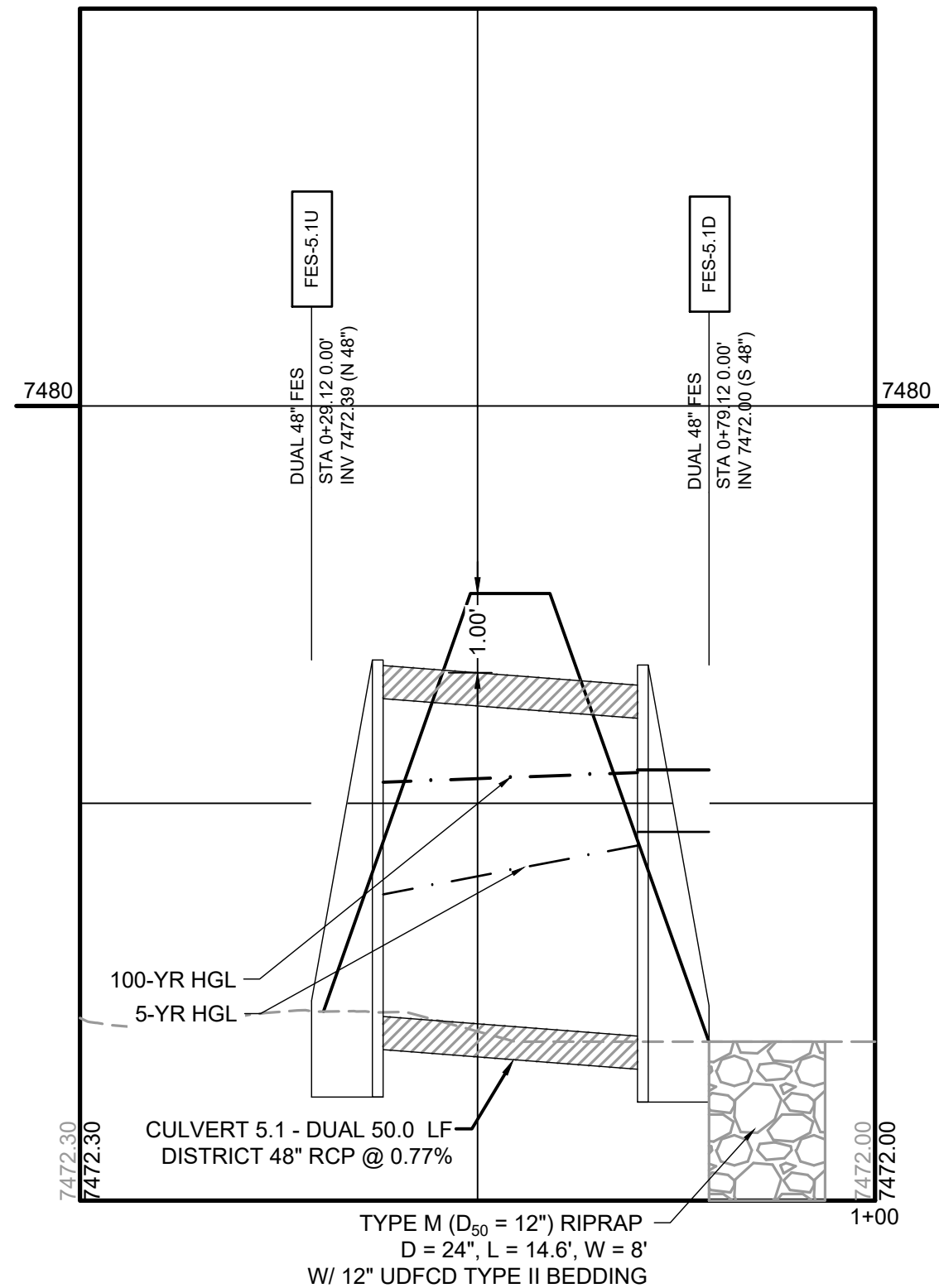
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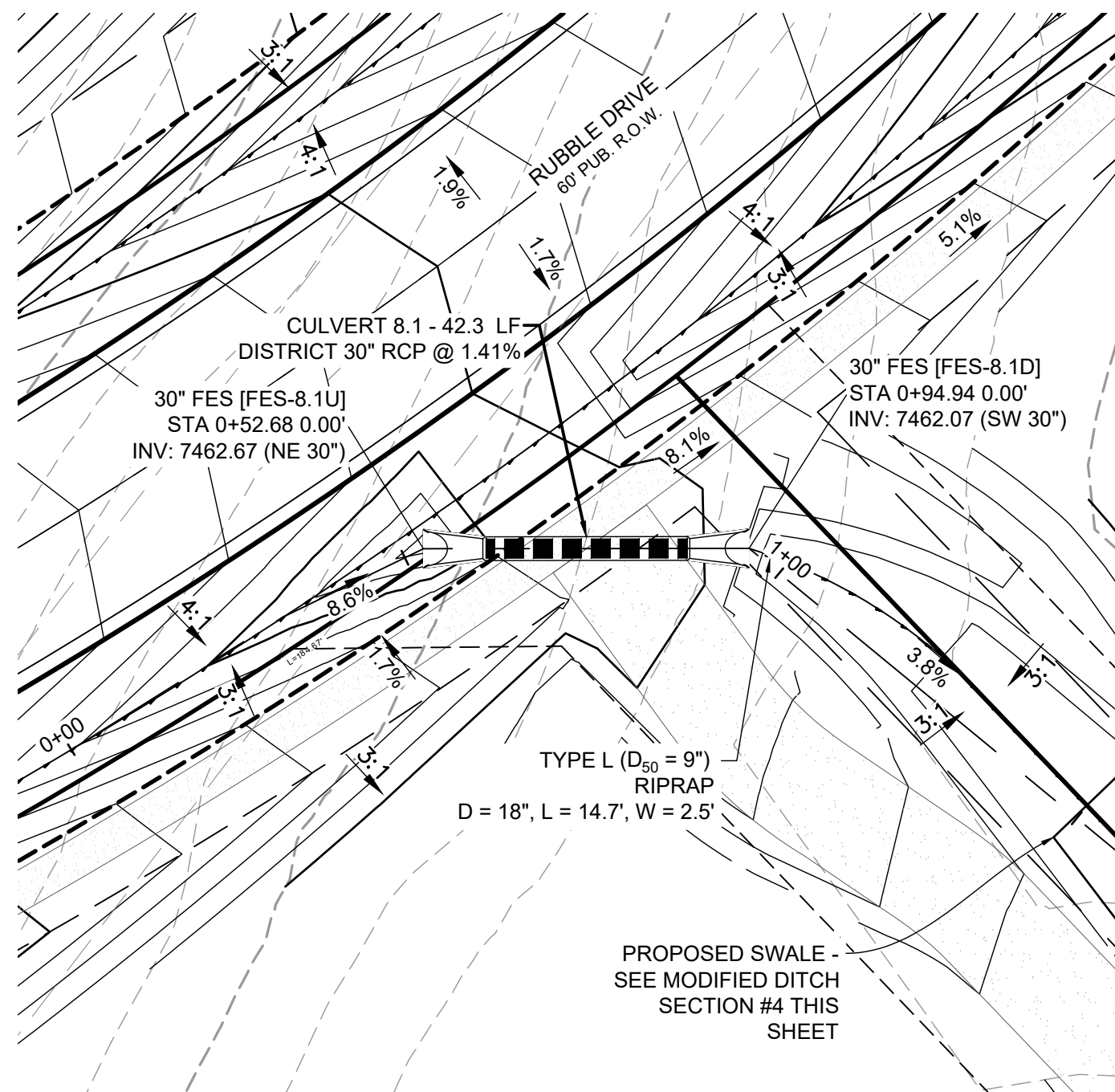
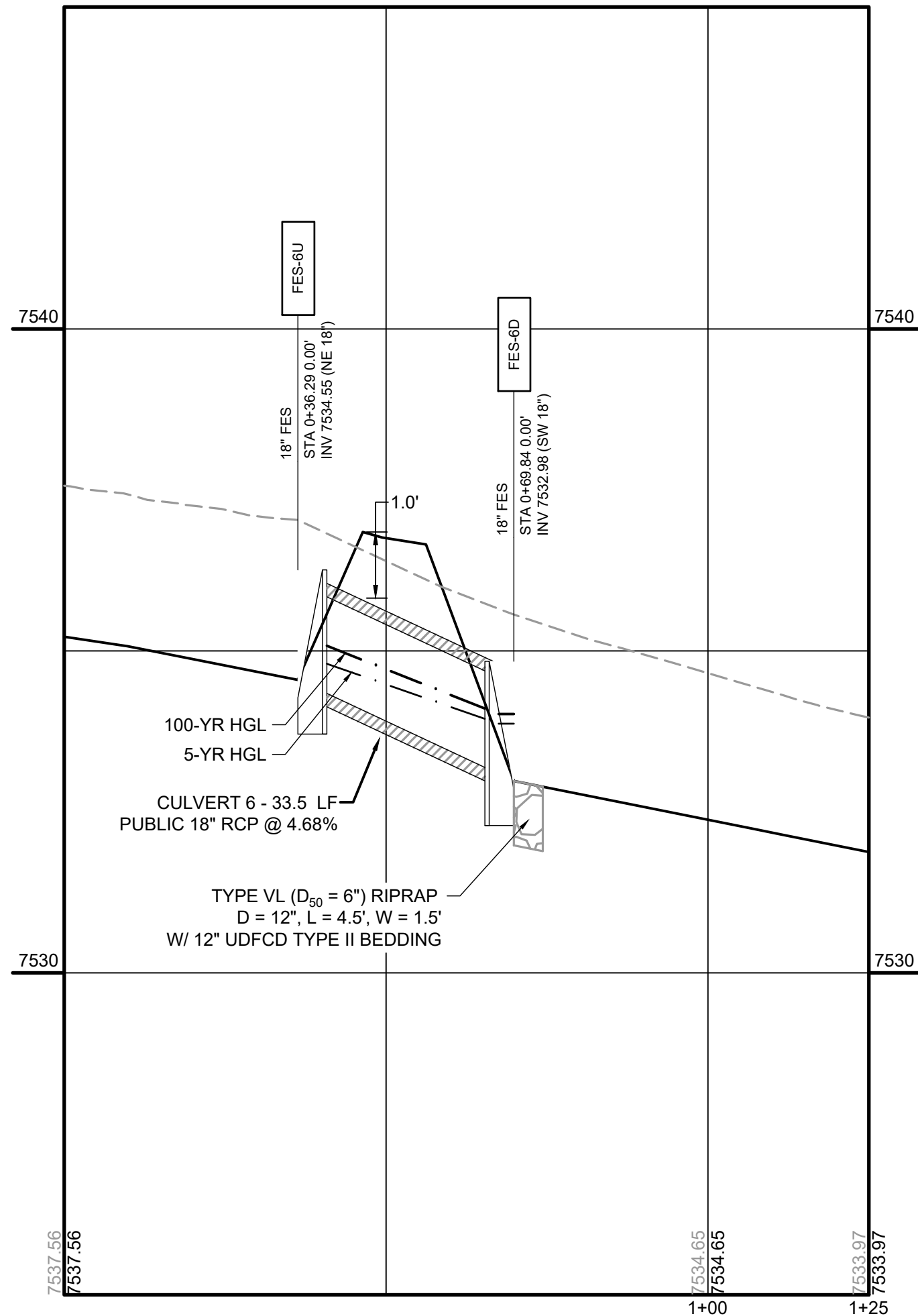
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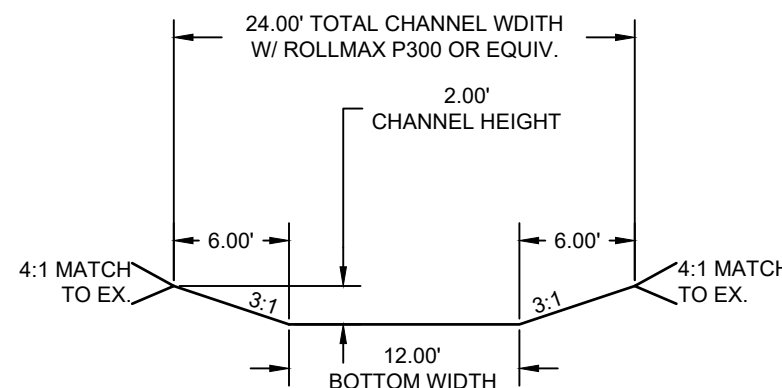
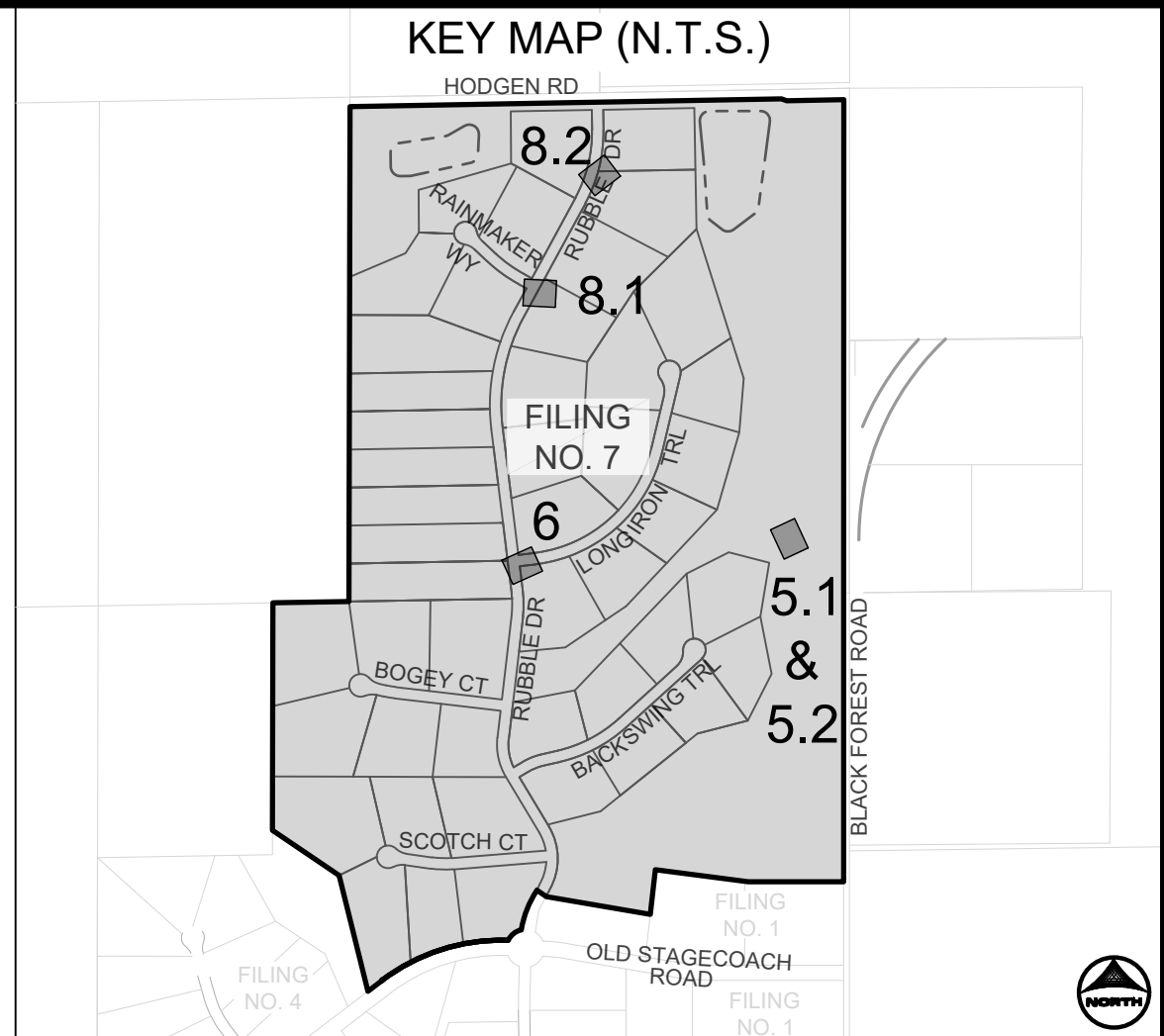
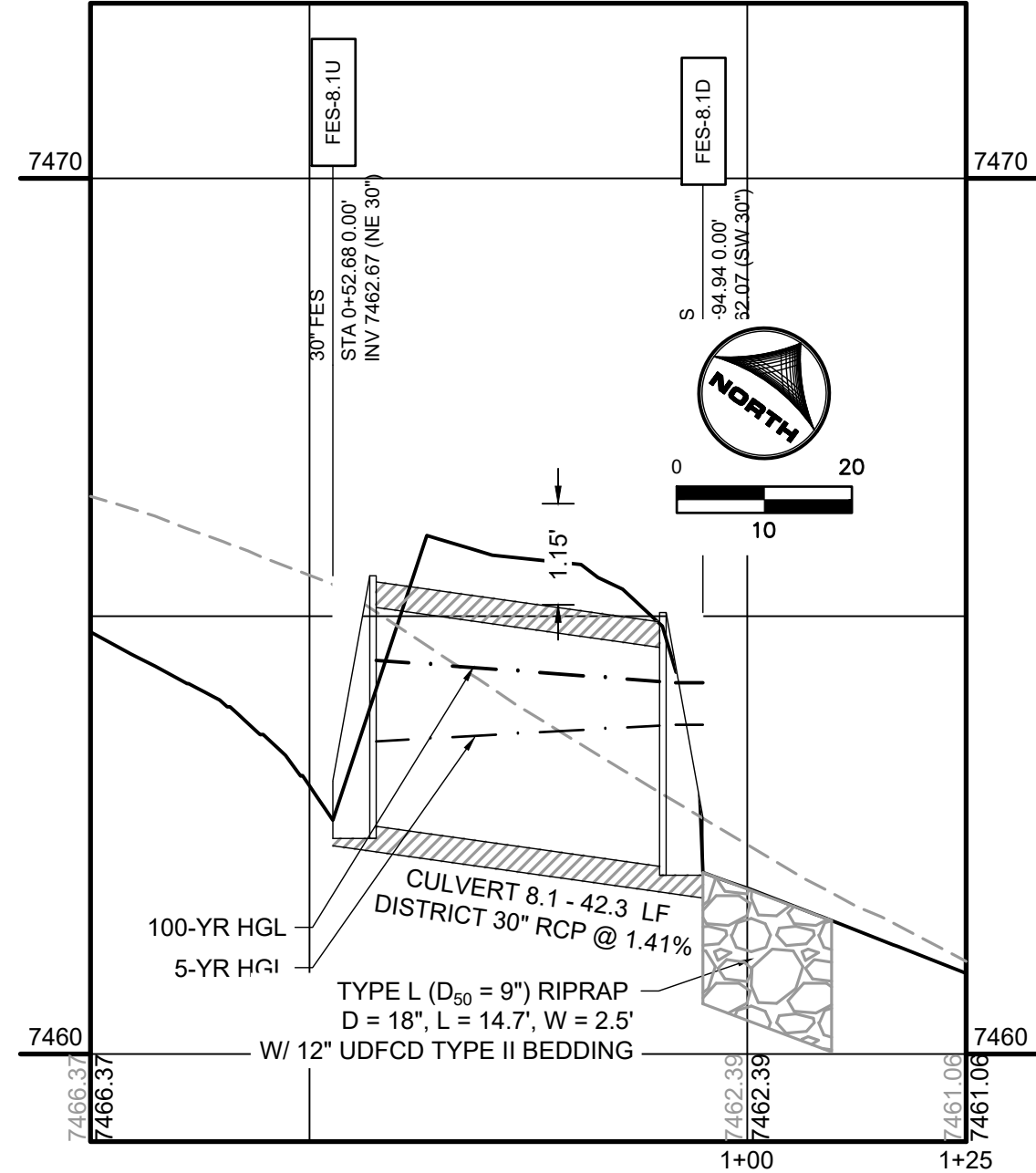
CULVERT 5.1 & CULVERT 5.2
DISTRICT STORM CULVERT PIPE WITHIN TRACT A



CULVERT 6
PUB. STORM CULVERT PIPE NEAR LONG IRON TRAIL
PUB. 60' R.O.W. - RURAL LOCAL RESIDENTIAL



CULVERT 8.1
DISTRICT CULVERT PIPE WITHIN EASEMENT



MODIFIED DITCH SECTION #4

SCALE: 1"=10'



PCD FILE NO.: SF2532

DRAWN BY: SAV JOB DATE: 8/21/2026
APPROVED: RDL JOB NUMBER: 211030.260
CAD DATE: 9/22/2026
CAD FILE: J:\2021\211030\CAD\Drawings\Filing_NORTHStorm PP

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NO.	DATE	BY	REVISION DESCRIPTION

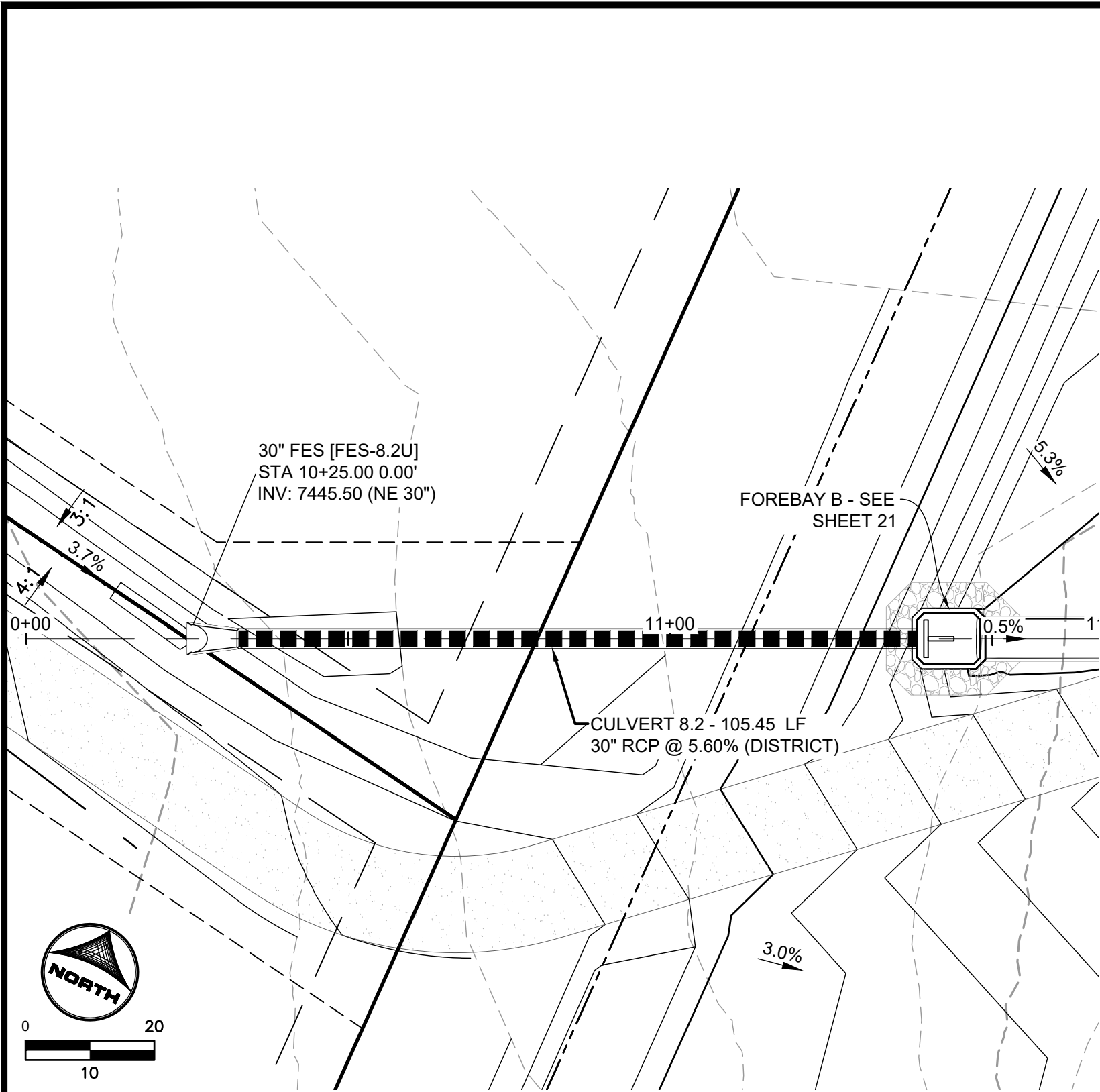
HRGreen
HR GREEN - COLORADO SPRINGS
1975 RESEARCH PARKWAY SUITE 230
COLORADO SPRINGS, CO 80920
PHONE: 719.300.4140
FAX: 713.965.0044

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PRI #2, LLC.
EL PASO COUNTY, CO

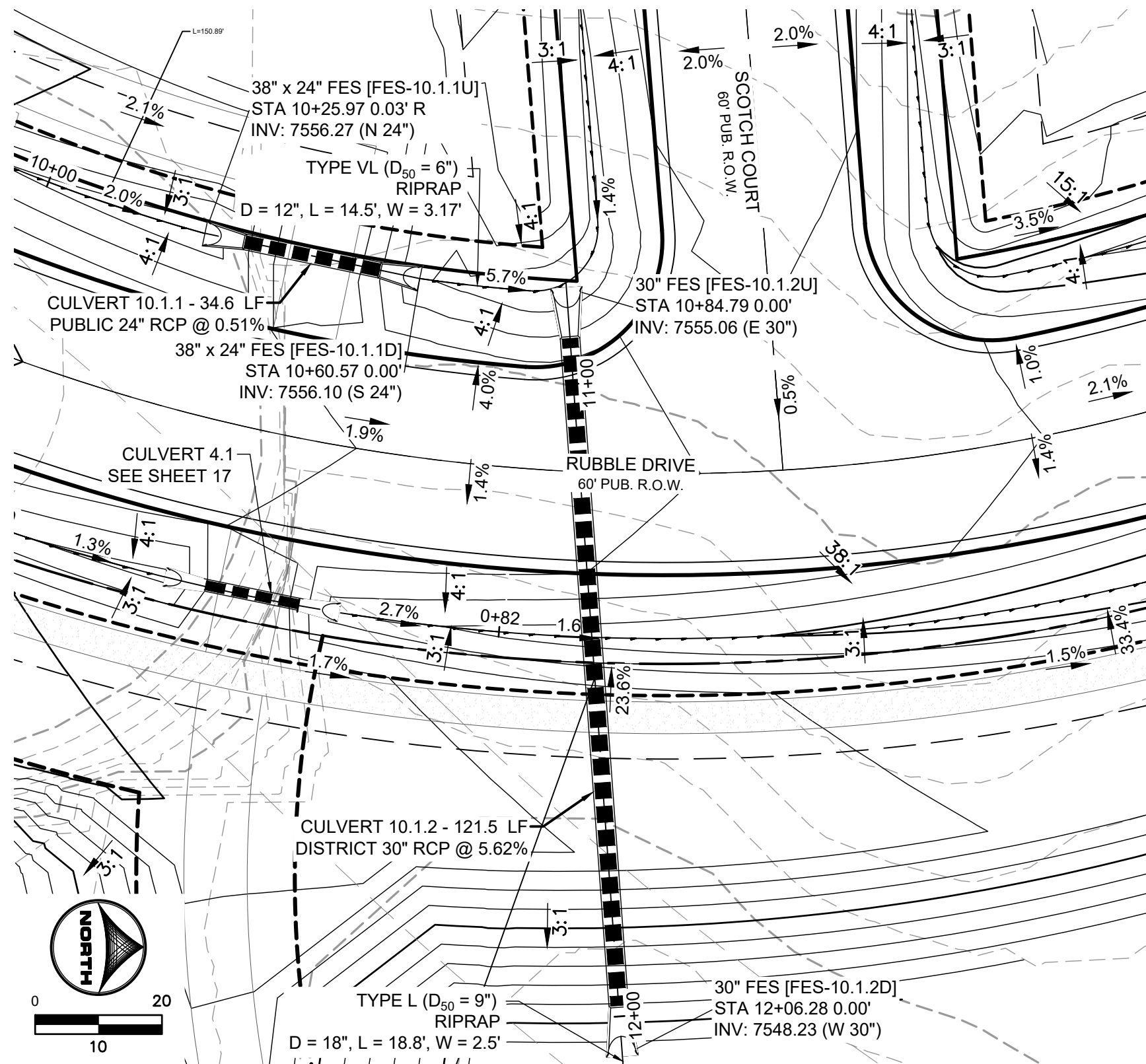
CONSTRUCTION DOCUMENTS
STORM CULVERTS II

SHEET
STM

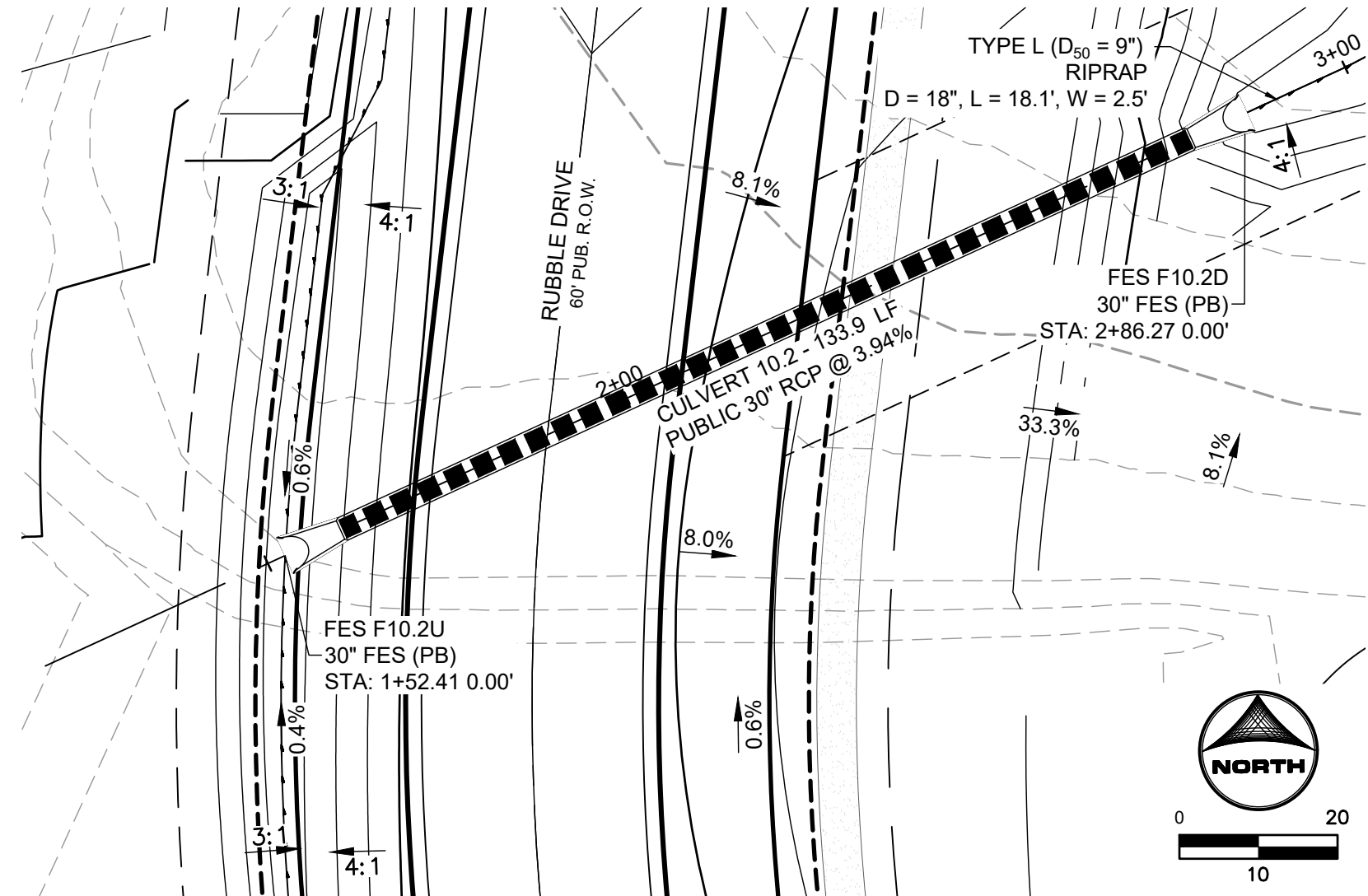
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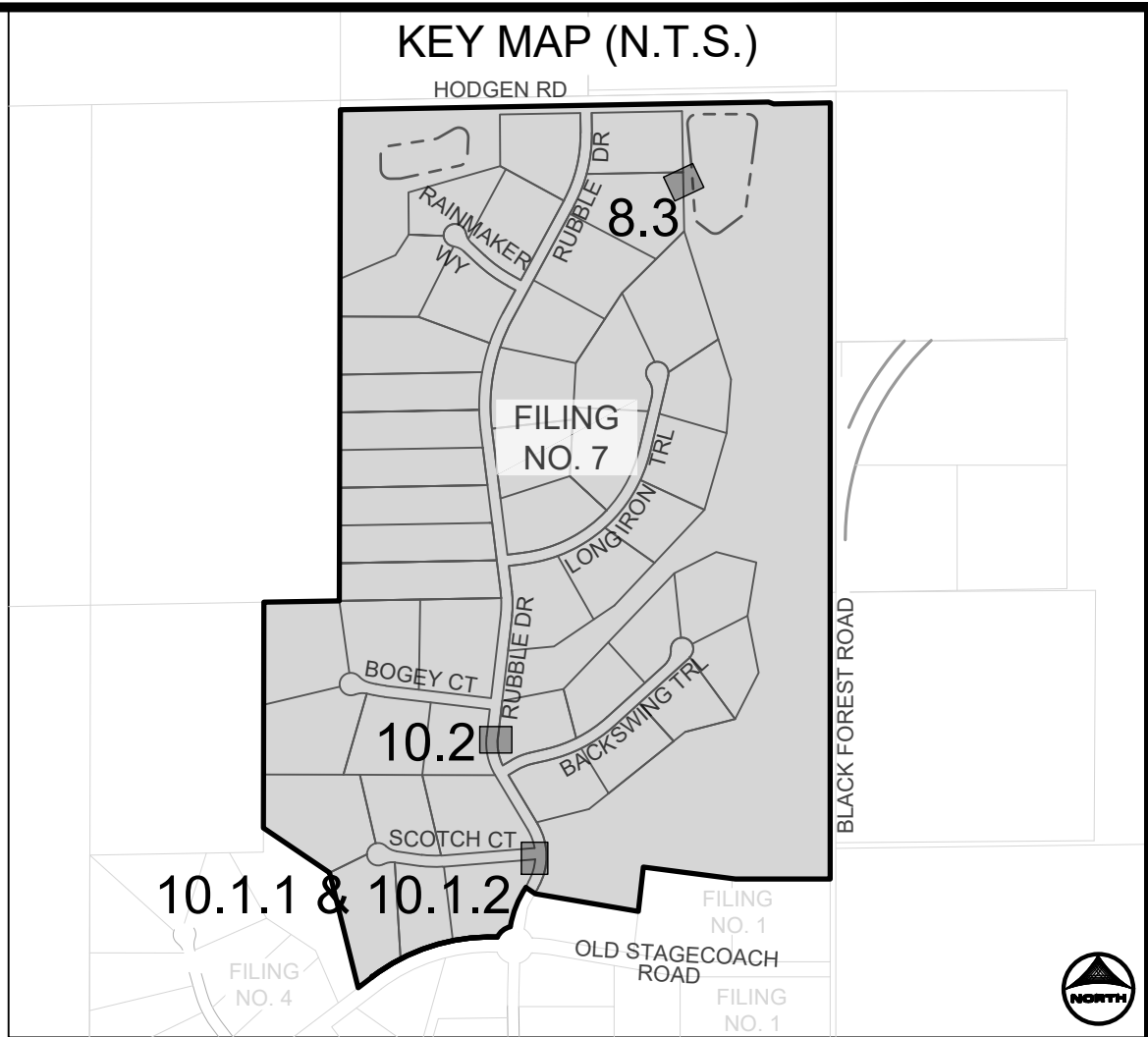
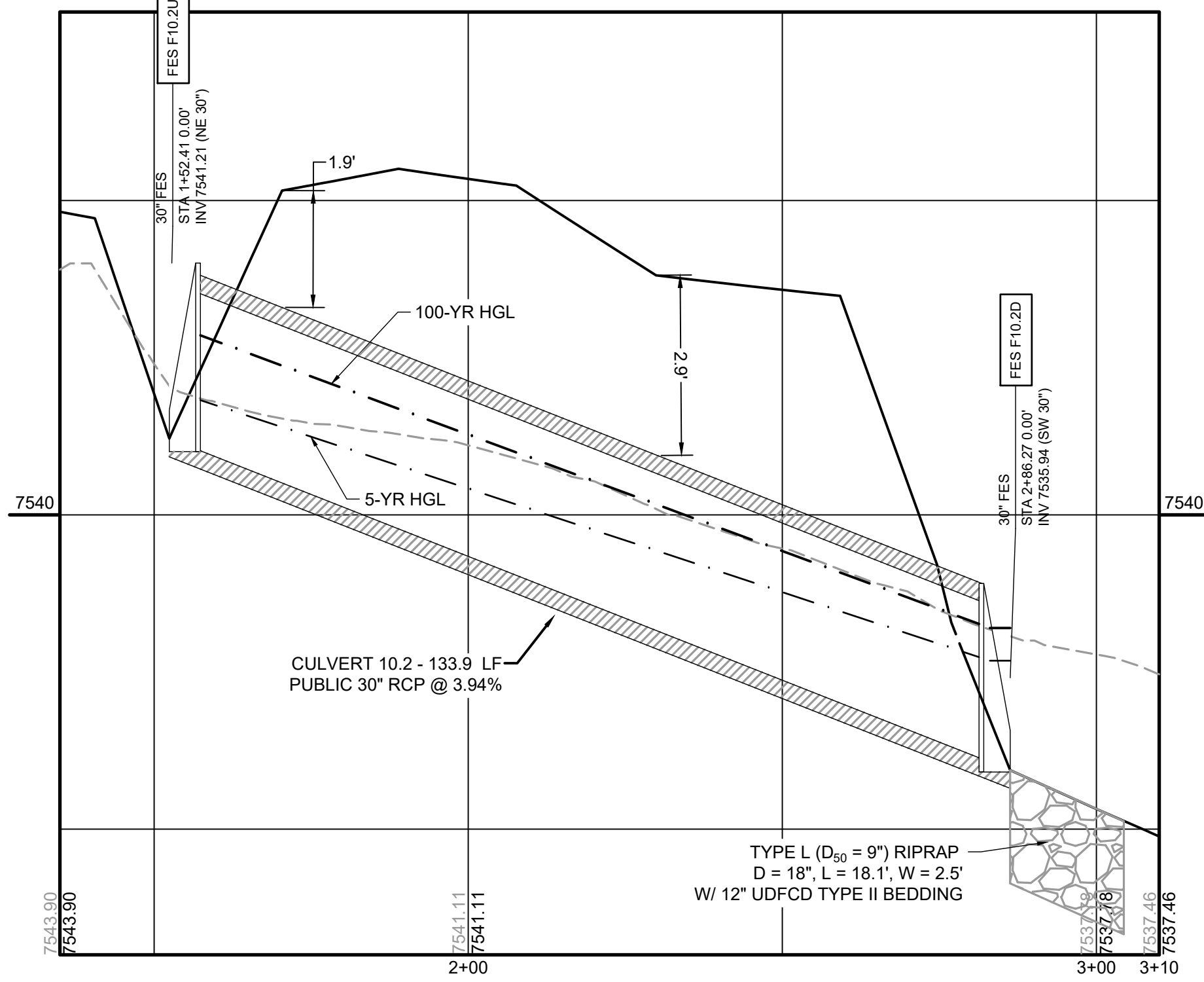
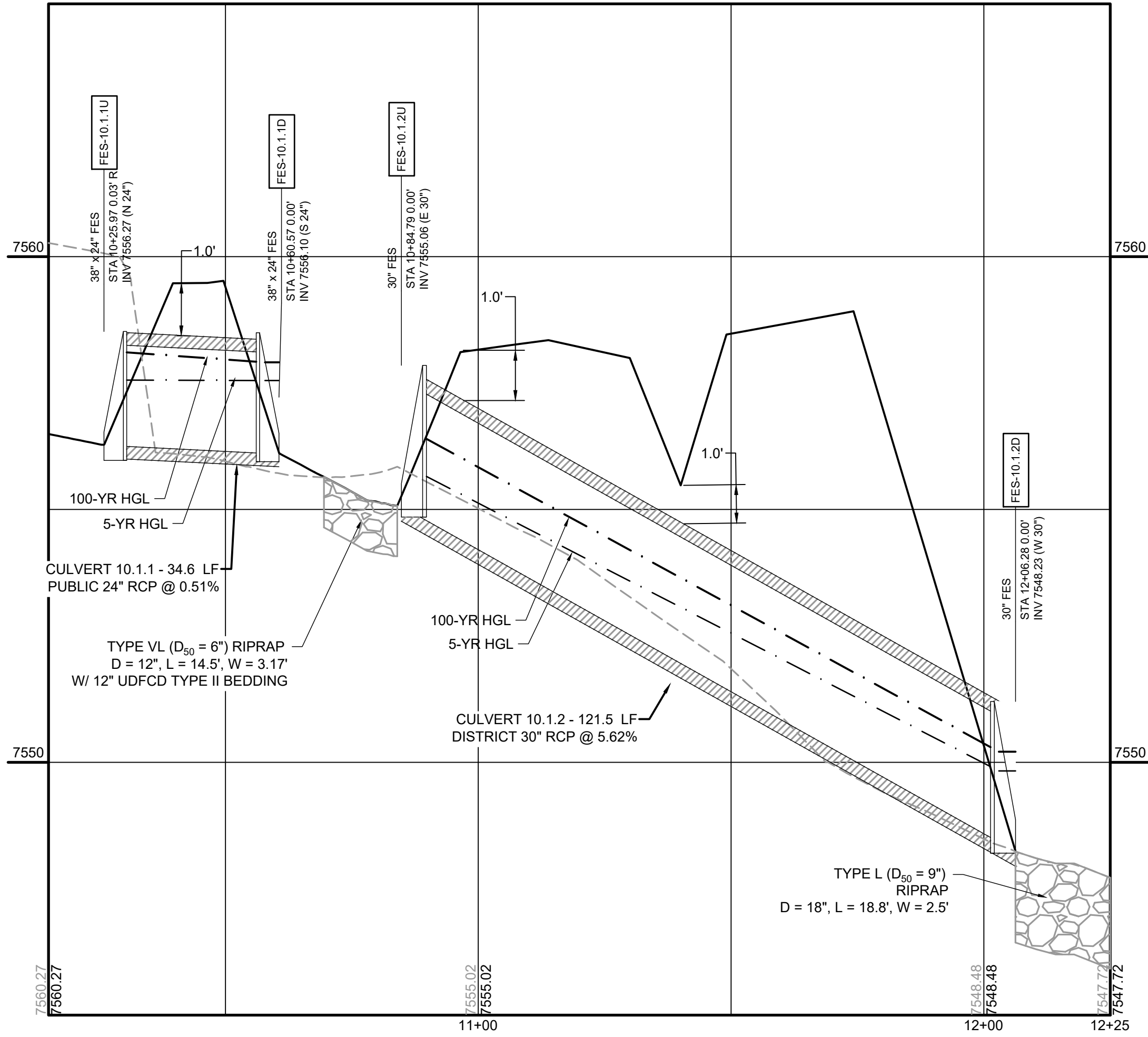
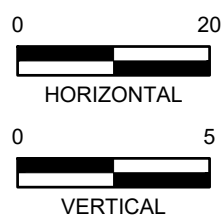
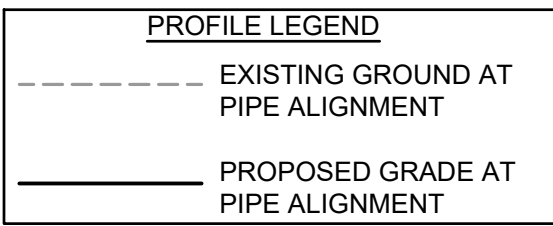
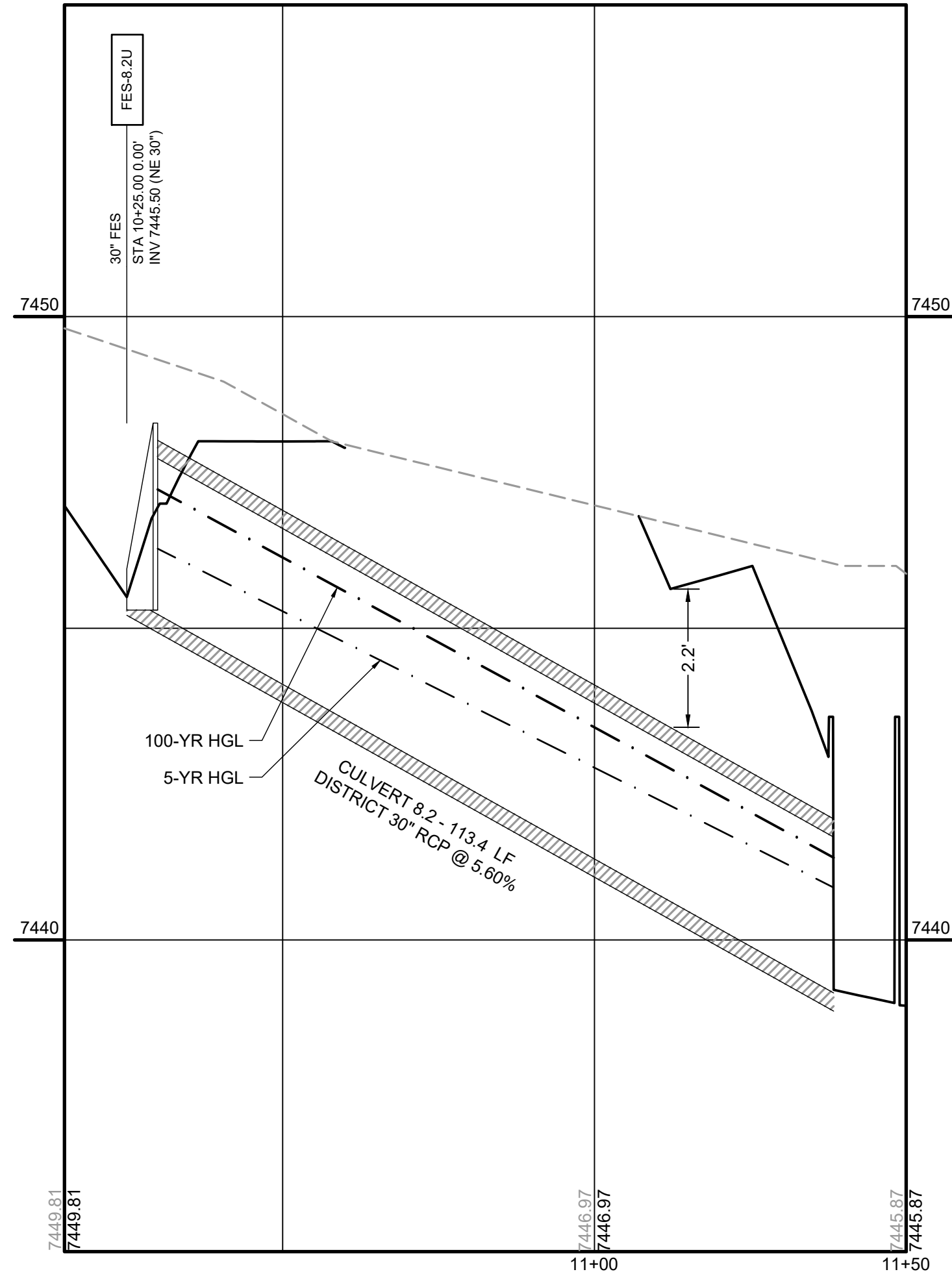
CULVERT 8.2
DISTRICT STORM CULVERT INTO POND F1 FOREBAY B



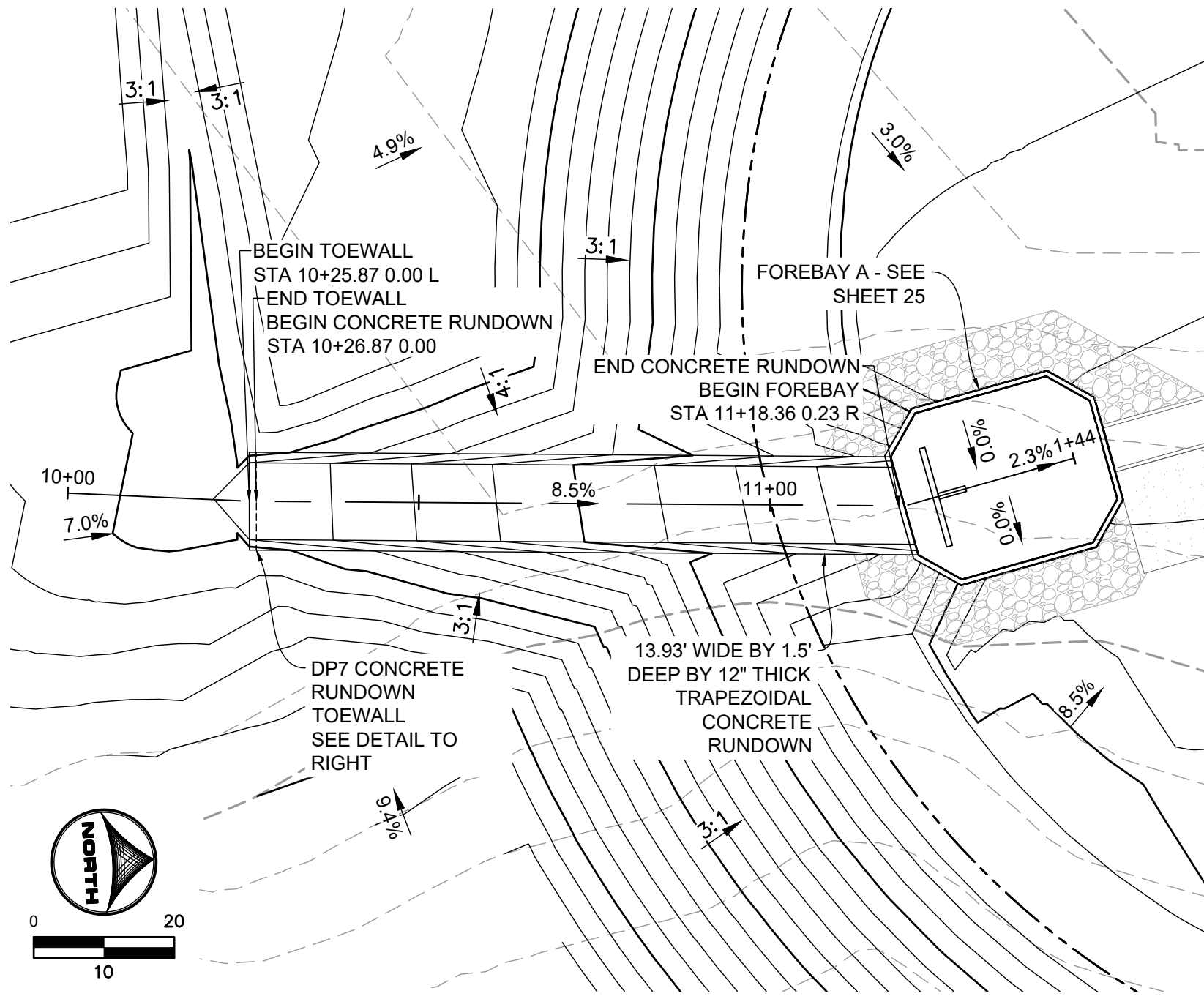
CULVERT 10.1.1 & CULVERT 10.1.2
PUB. STORM CULVERT PIPE WITHIN RUBBLE DRIVE & DIST. STORM CULVERT WITHIN TRACT A
PUB. 60' R.O.W. - RURAL LOCAL RESIDENTIAL



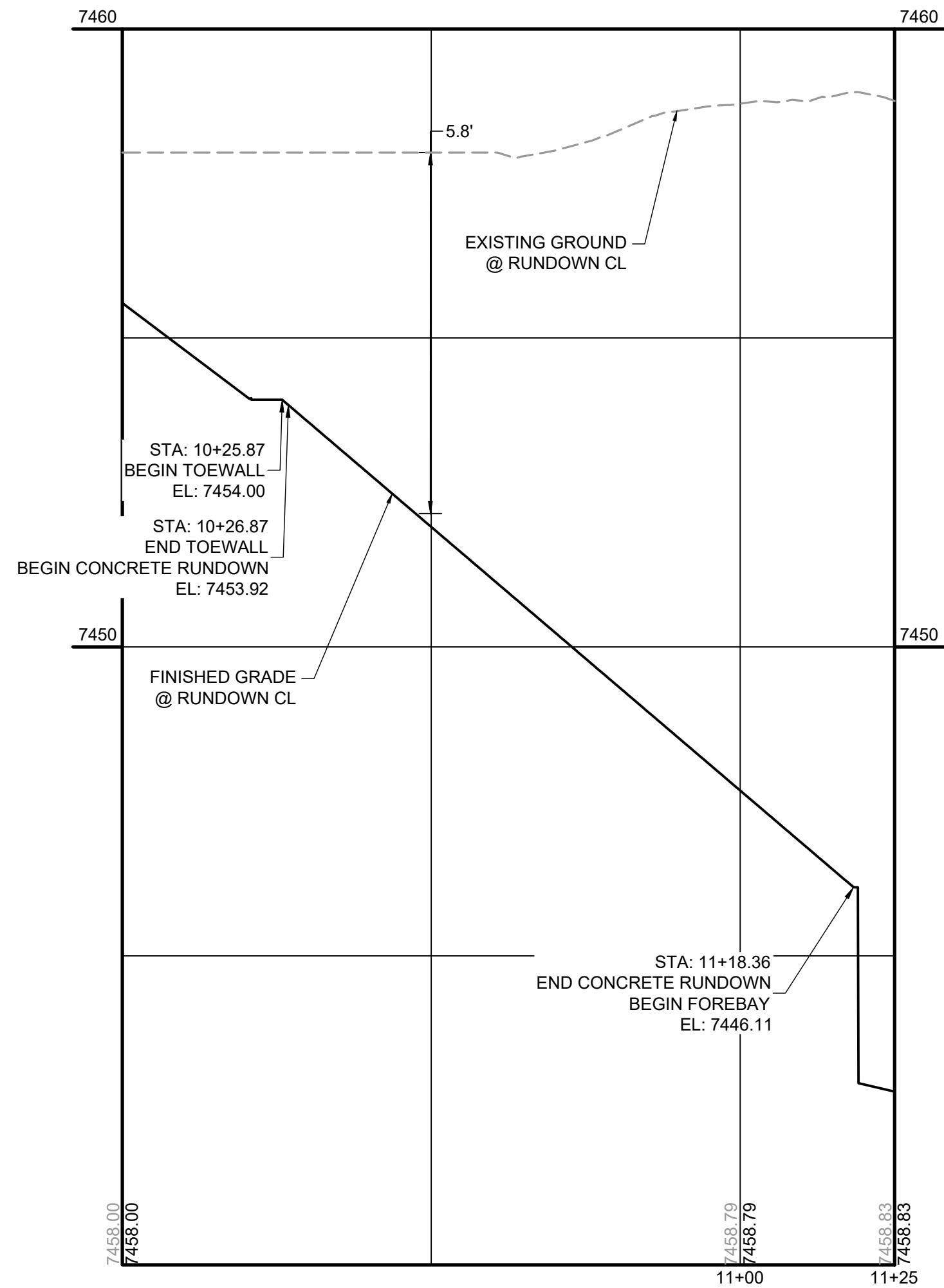
CULVERT 10.2
PUB. STORM CULVERT PIPE WITHIN RUBBLE DRIVE
PUB. 60' R.O.W. - RURAL LOCAL RESIDENTIAL



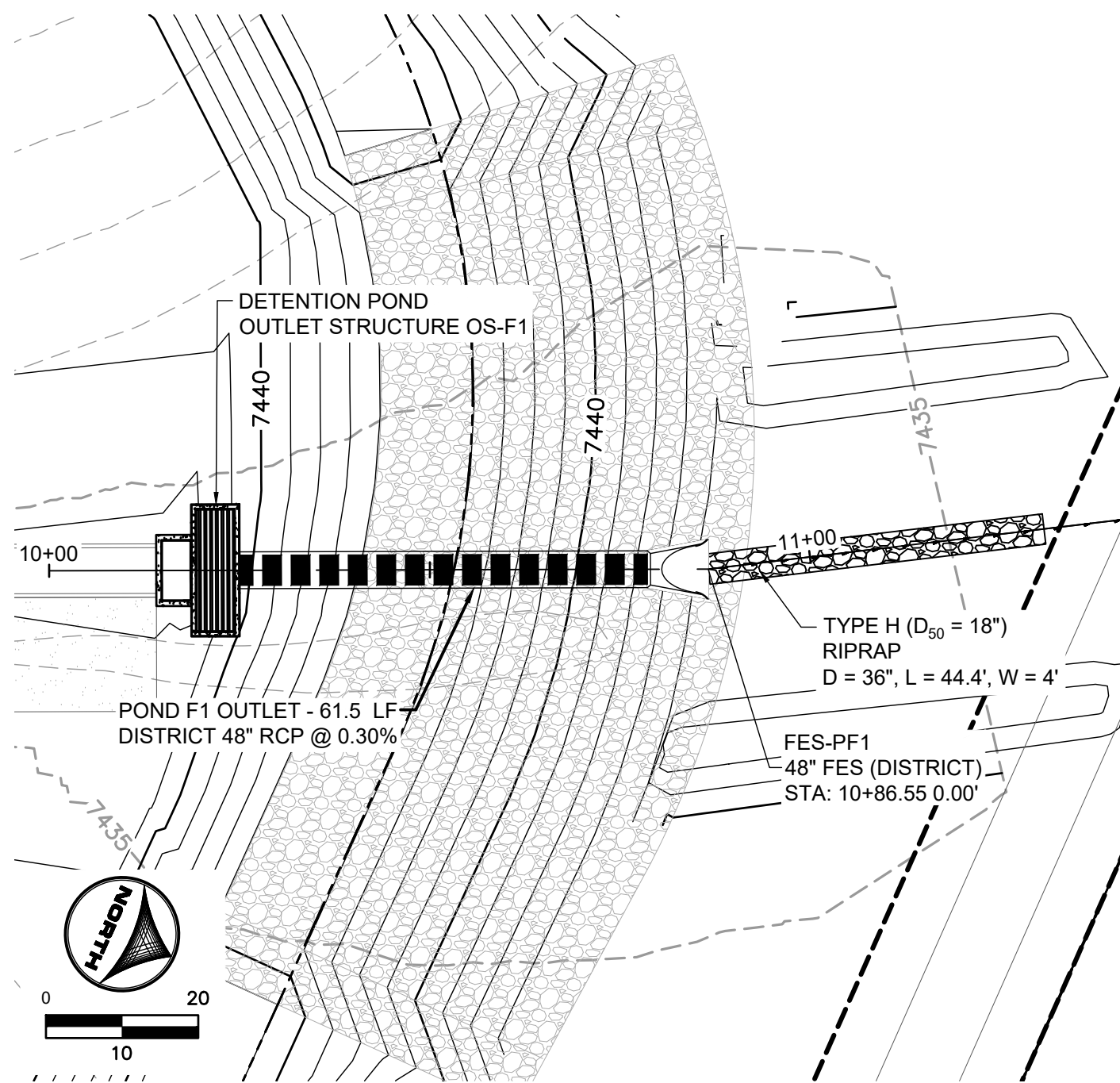
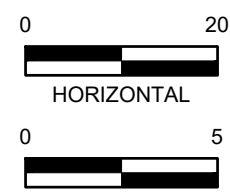
NO.	DATE	BY	REVISION DESCRIPTION



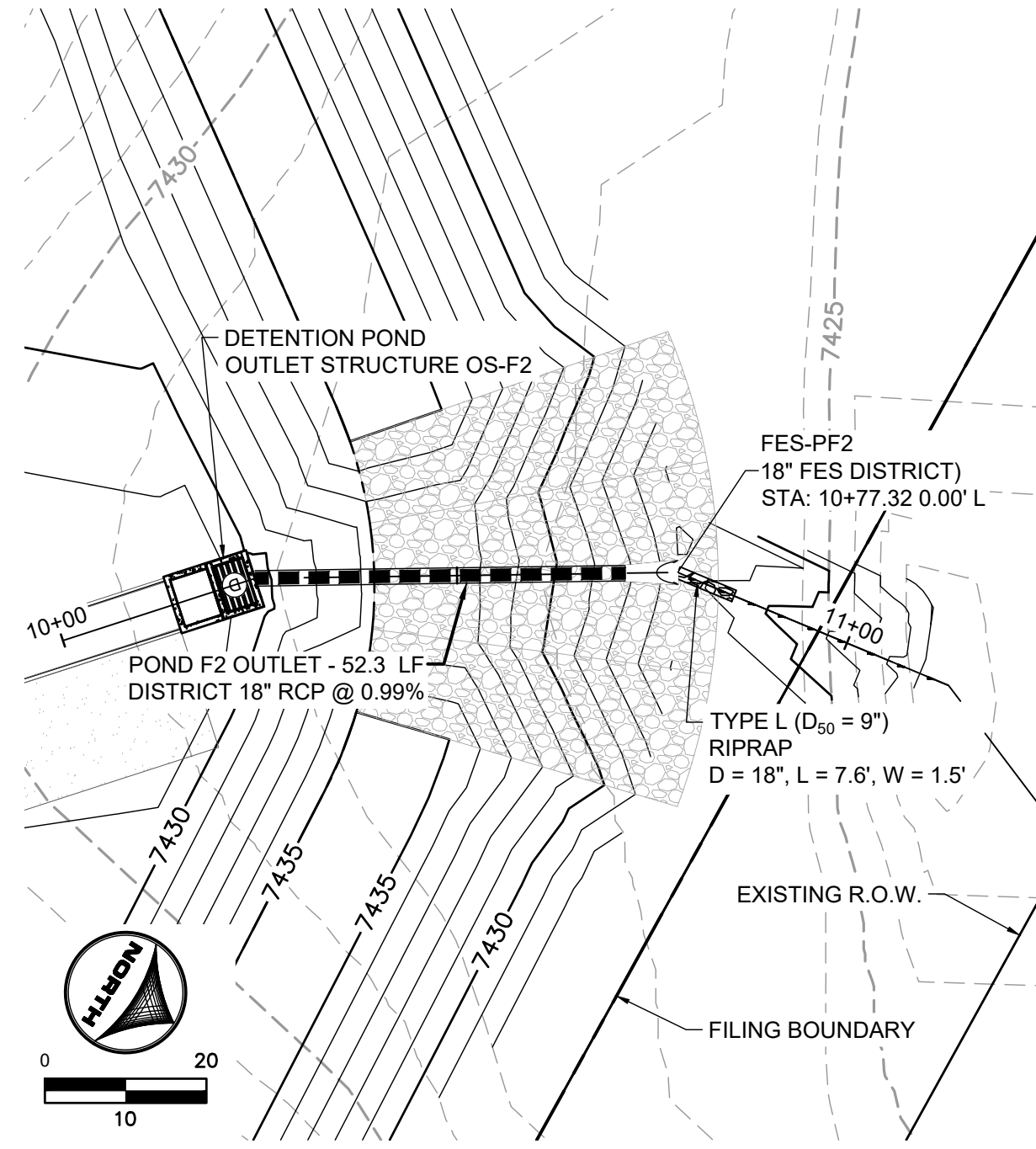
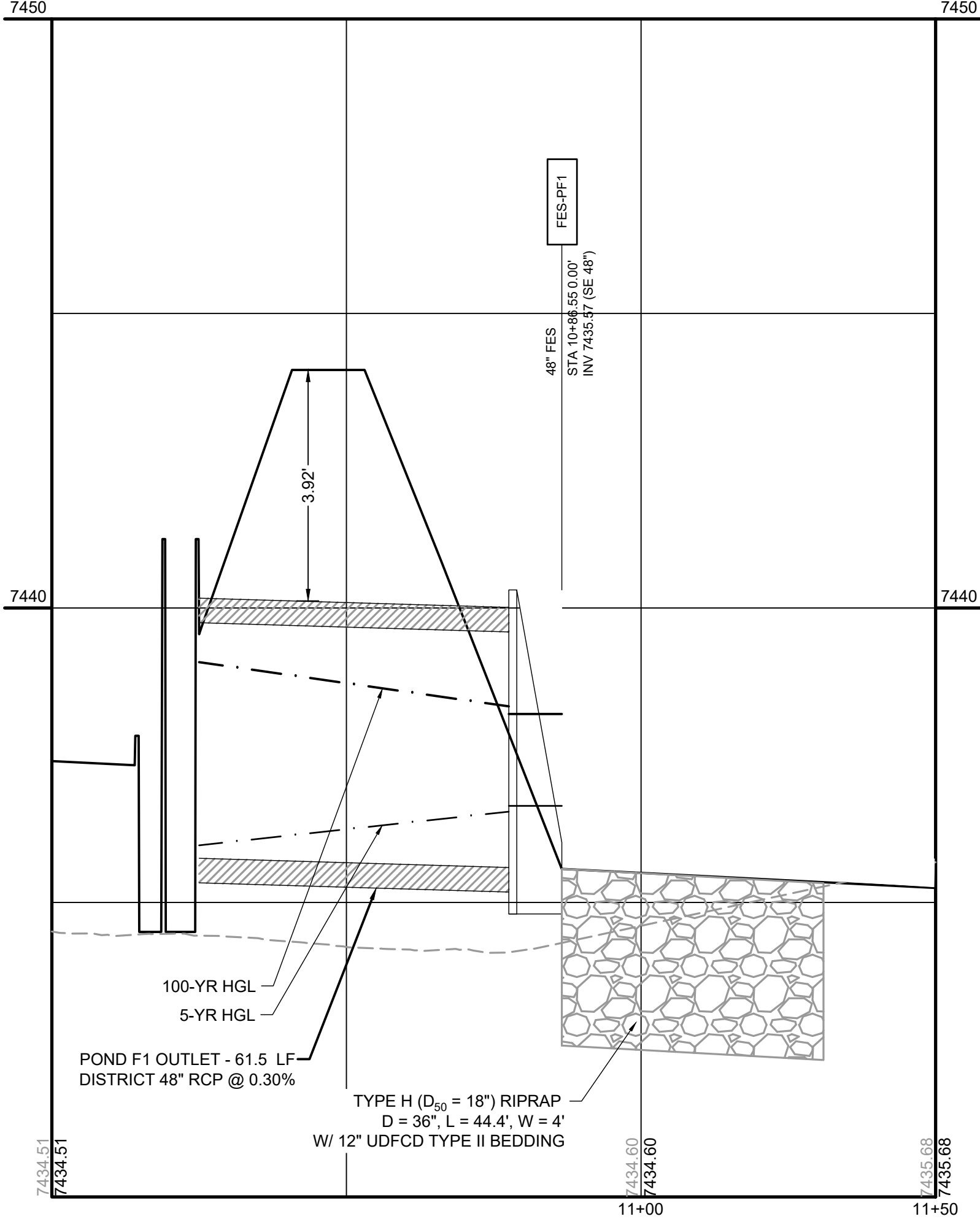
DP7 CONCRETE RUNDOWN
DISTRICT RUNDOWN INTO POND F1 FOREBAY A



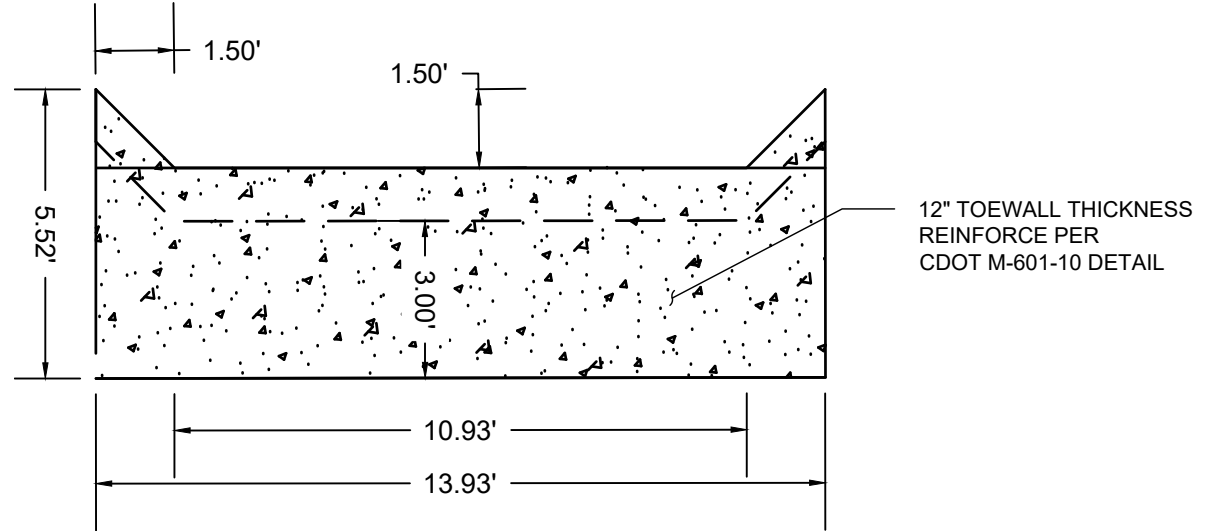
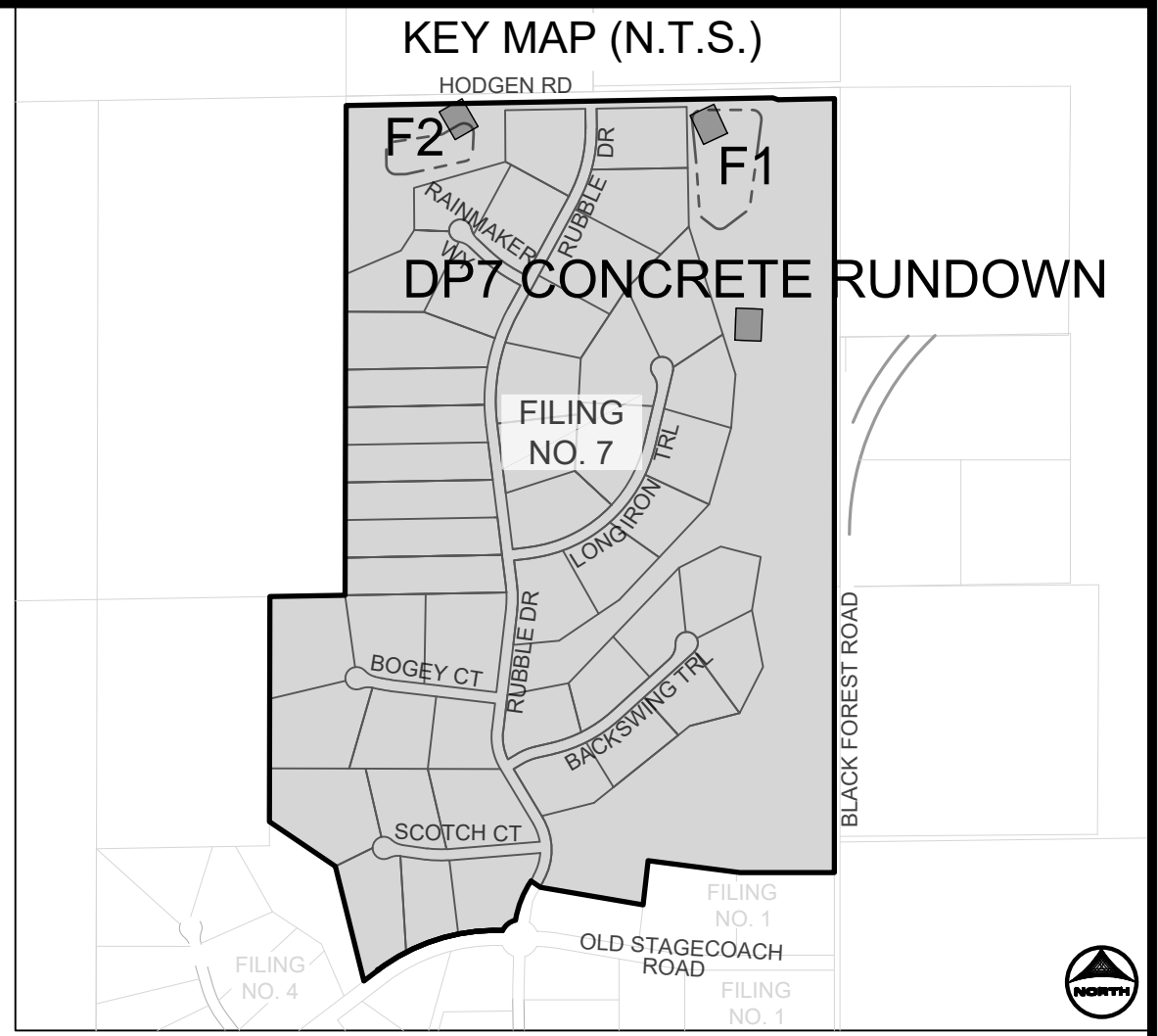
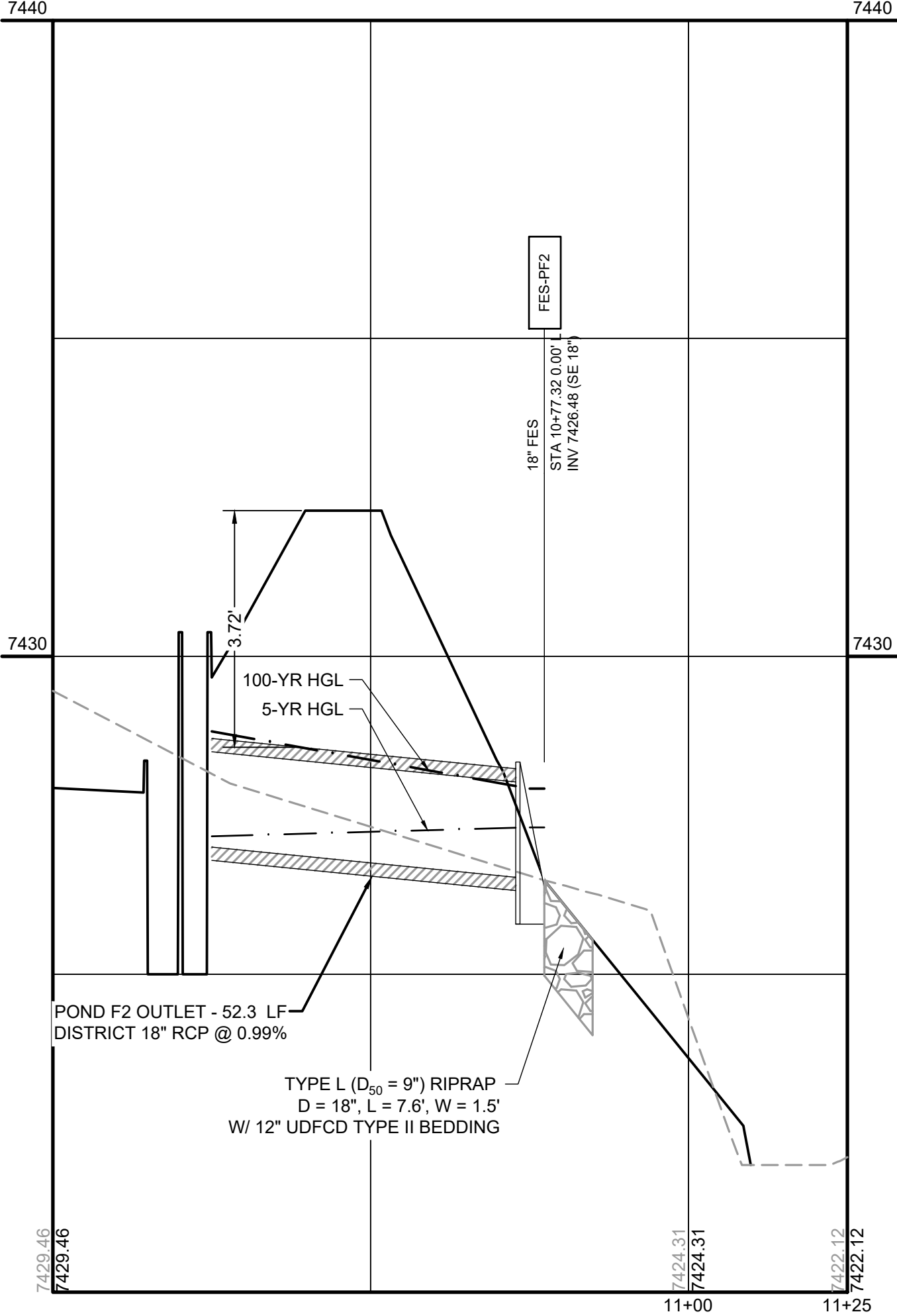
PROFILE LEGEND
--- EXISTING GROUND AT PIPE ALIGNMENT
--- PROPOSED GRADE AT PIPE ALIGNMENT



POND F1 OUTLET
DISTRICT STORM CULVERT PIPE WITHIN TRACT A



POND F2 OUTLET
DISTRICT STORM CULVERT PIPE WITHIN TRACT B



DP7 CONCRETE RUNDOWN TOEWALL
N.T.S.

DRAWN BY: CMD JOB DATE: 8/21/2026
APPROVED: RDL JOB NUMBER: 211030.260
CAD DATE: 9/22/2026
CAD FILE: J:\2021\211030\CAD\Drawings\Filing_NORTHStorm PP

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0" 1"
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NO.	DATE	BY	REVISION DESCRIPTION

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

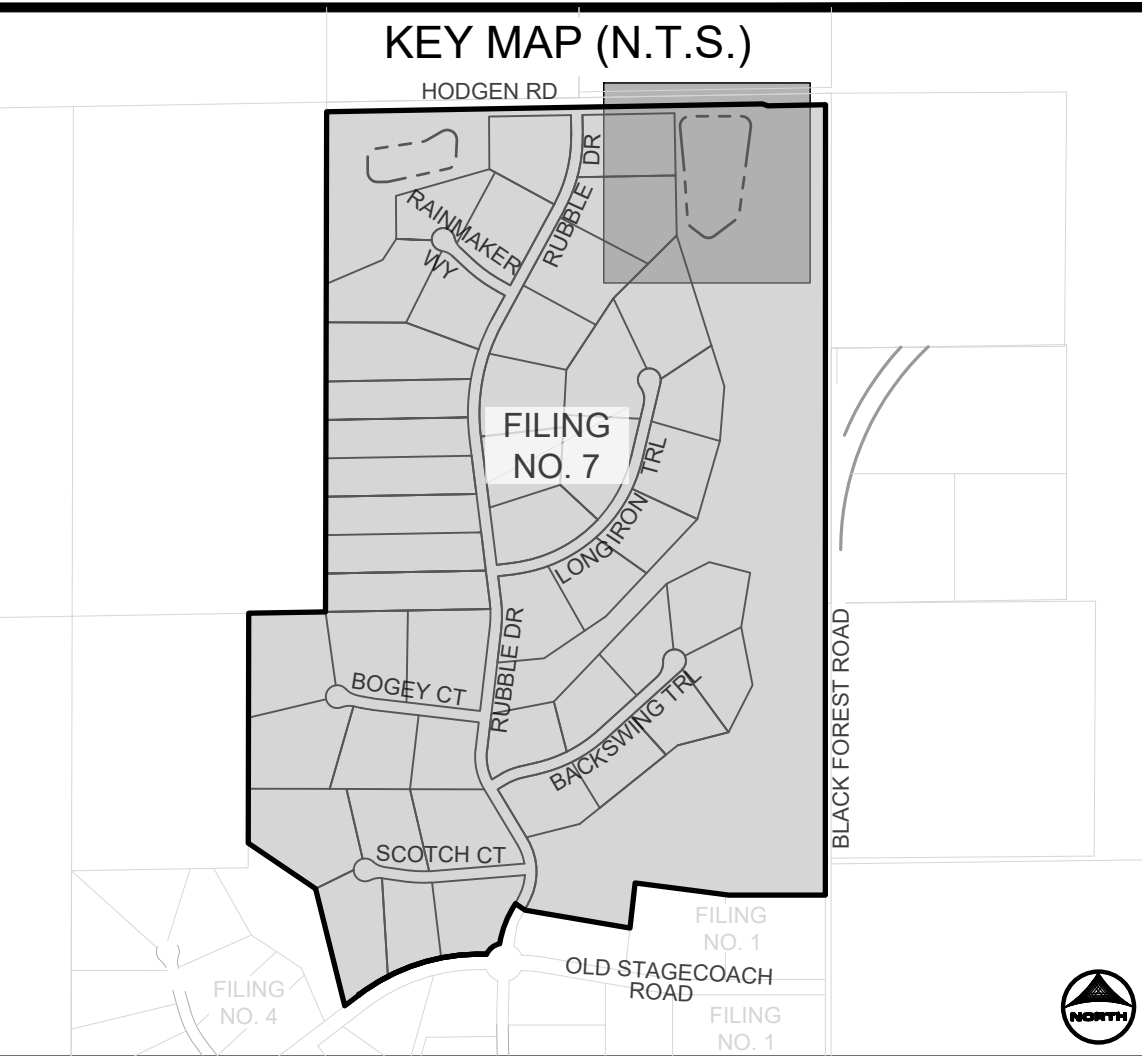
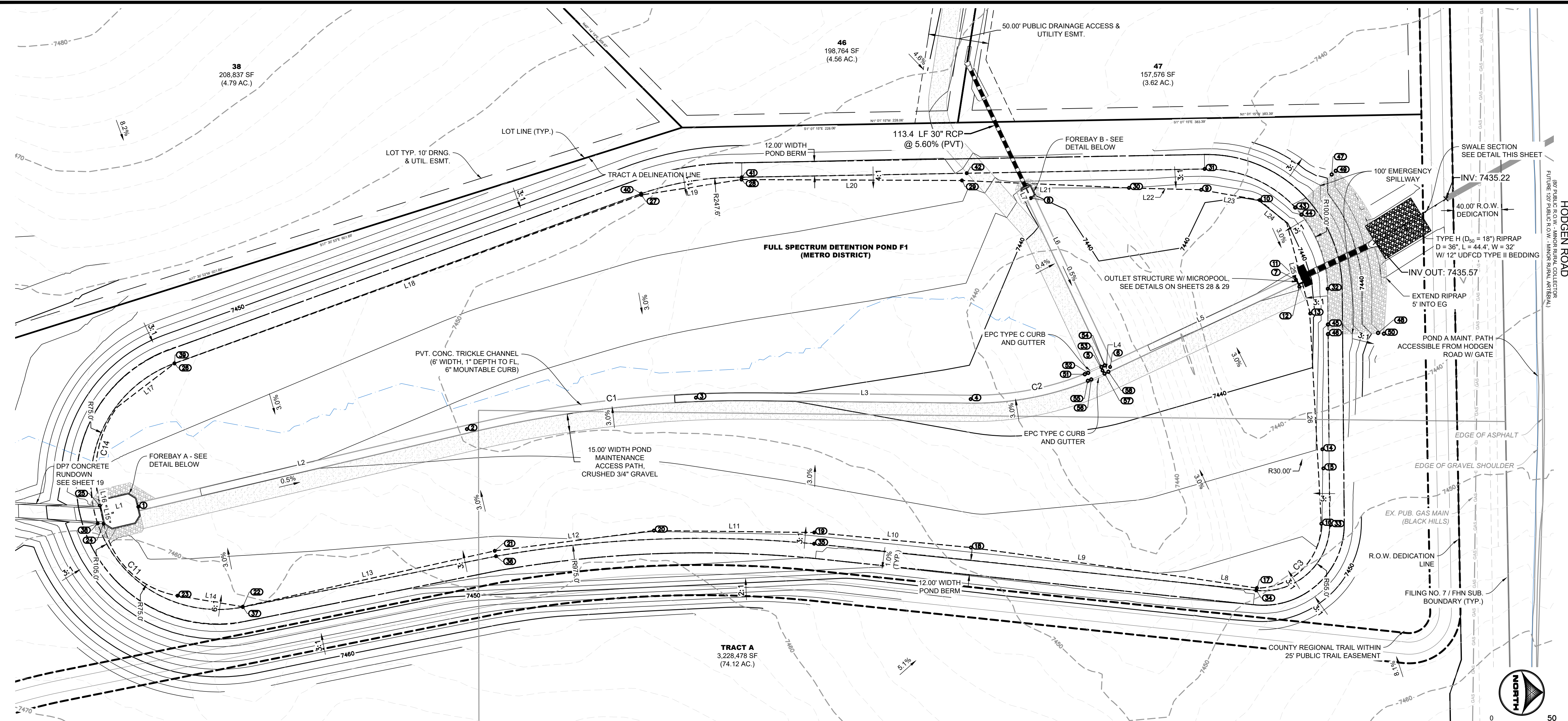
FLYING HORSE NORTH FILING 7
PRI #2, LLC.
EL PASO COUNTY, CO

CONSTRUCTION DOCUMENTS
STORM CULVERTS IIII



PCD FILE NO.: SF2532

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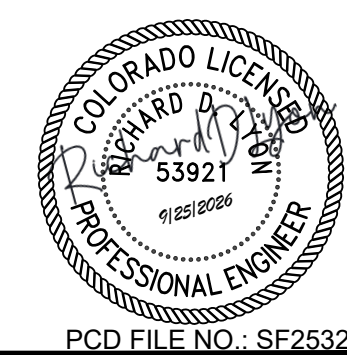
FOREBAY & TRICKLE CHANNEL SEGMENT TABLE						
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C2	112.52	25.79	250.00	N451919.15 E227630.81	N452028.19 E227807.13	
L1	31.01	N13°18'08.30"W		N451200.79 E227926.96	N451230.97 E227919.85	
L2	279.15	N13°18'08.30"W		N451230.97 E227919.85	N451502.63 E227855.89	
L3	175.25	N0°38'28.91"E		N451743.91 E227807.13	N451919.15 E227830.81	
L4	6.98	N25°08'48.60"W		N452028.19 E227807.13	N452034.51 E227804.16	
L5	169.78	N25°08'48.59"W		N452034.51 E227804.16	N452188.19 E227732.02	
L6	154.32	N64°51'11.40"E		N451968.93 E227664.47	N452034.51 E227804.16	
L7	11.42	S64°51'11.40"W		N451968.93 E227664.47	N451964.08 E227654.14	

POND BOTTOM SEGMENT TABLE						
LINE/CURVE NO.	LENGTH (FT)	DIRECTION/DELTA	RADIUS (FT)	START N/E	END N/E	
C3	83.62	89.93	53.28	N451502.63 E227855.89	N451525.89 E227807.13	
C14	72.42	44.72	92.79	N451196.84 E227906.04	N451213.42 E227837.42	
L8	55.01	S8°41'23.63"W		N452155.89 E227987.13	N452101.51 E227978.82	
L9	183.88	S7°53'37.60"W		N452101.51 E227978.82	N451919.38 E227953.57	
L10	130.13	S5°28'53.25"W		N451919.38 E227953.57	N451789.84 E227941.14	
L11	132.59	S0°41'21.51"W		N451789.84 E227941.14	N451657.26 E227939.54	
L12	132.69	S7°16'41.96"E		N451657.26 E227939.54	N451525.89 E227956.35	
L13	213.43	S12°30'45.33"E		N451525.89 E227956.35	N451317.28 E228002.59	
L14	54.71	S9°37'18.32"W		N451317.28 E228002.59	N451263.34 E227953.57	
L15	16.59	S78°00'29.64"W		N451263.34 E227953.57	N451199.07 E227935.09	
L16	13.01	S80°09'34.19"W		N451199.07 E227935.09	N451196.84 E227906.04	
L17	59.59	N37°20'34.75"W		N451213.42 E227837.42	N451260.79 E227801.27	
L18	410.49	N19°51'28.79"W		N451260.79 E227801.27	N451046.87 E227661.83	
L19	84.05	N8°43'48.77"W		N451046.87 E227661.83	N451729.94 E227640.07	
L20	182.05	N0°15'08.34"E		N451729.94 E227640.07	N451911.99 E227649.88	
L21	138.25	N2°33'11.34"E		N451911.99 E227649.88	N452050.11 E227656.03	
L22	59.73	N1°29'34.20"E		N452050.11 E227656.03	N452109.82 E227657.59	
L23	49.09	N10°00'06.92"E		N452109.82 E227657.59	N452158.16 E227666.12	
L24	29.40	N40°22'17.71"E		N452158.16 E227666.12	N452188.19 E227685.16	
L25	75.15	N75°25'54.61"E		N452188.19 E227685.16	N452199.47 E22757.90	

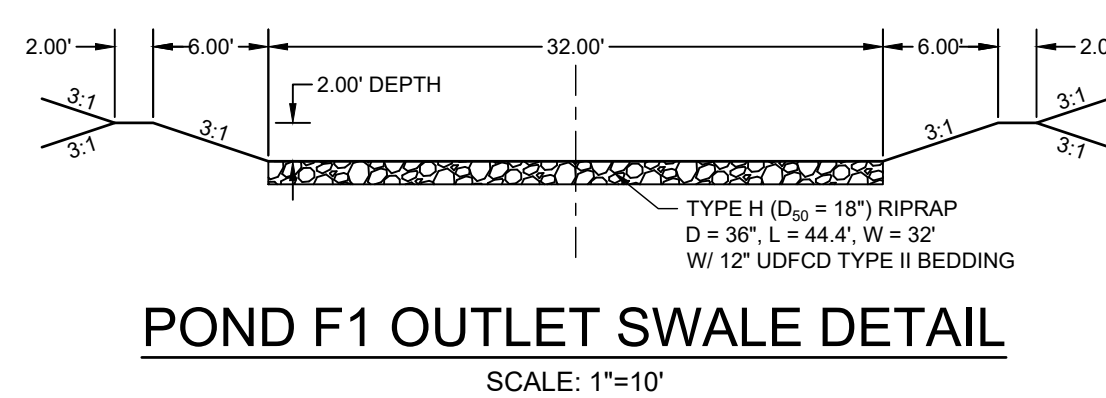
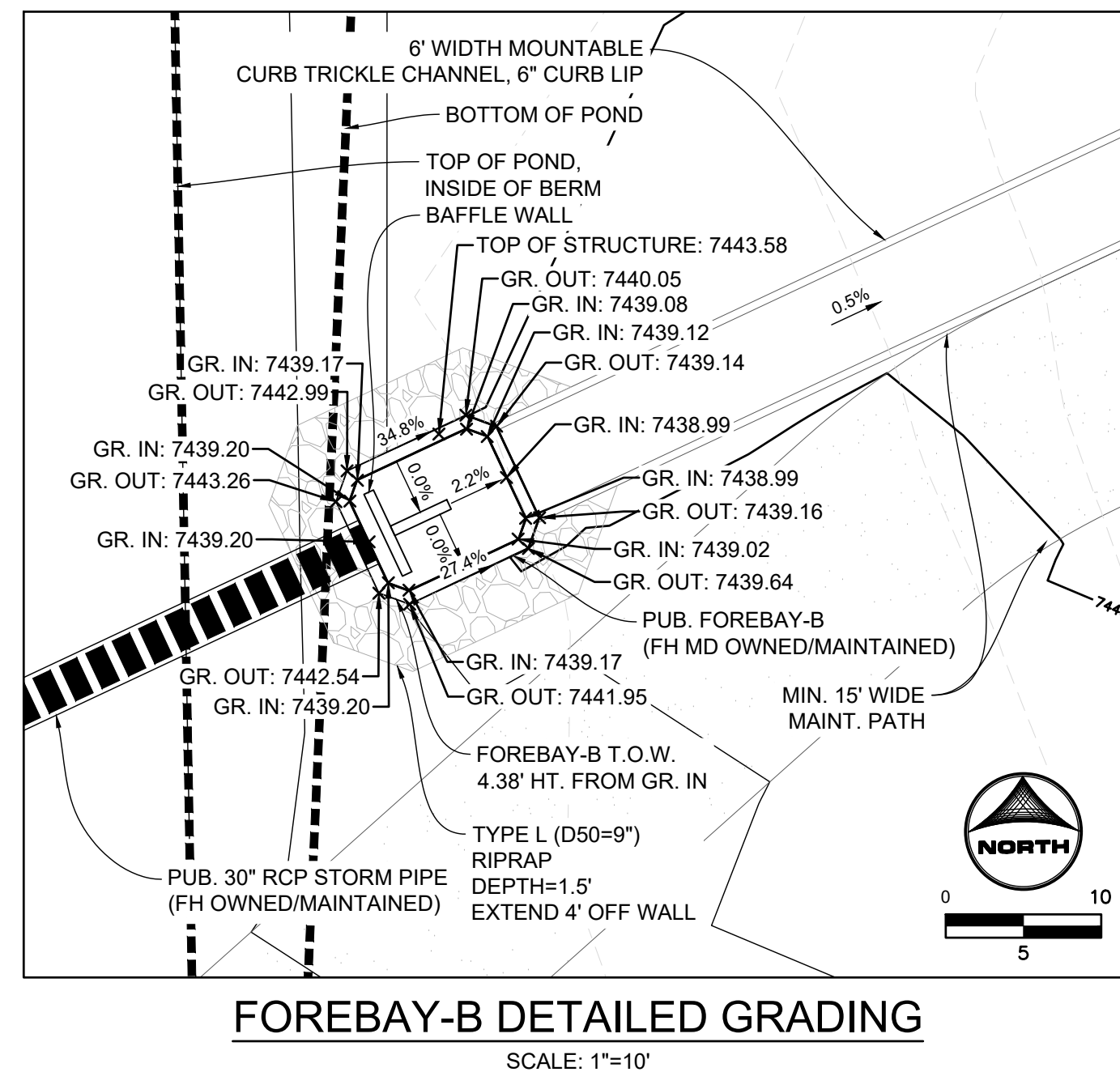
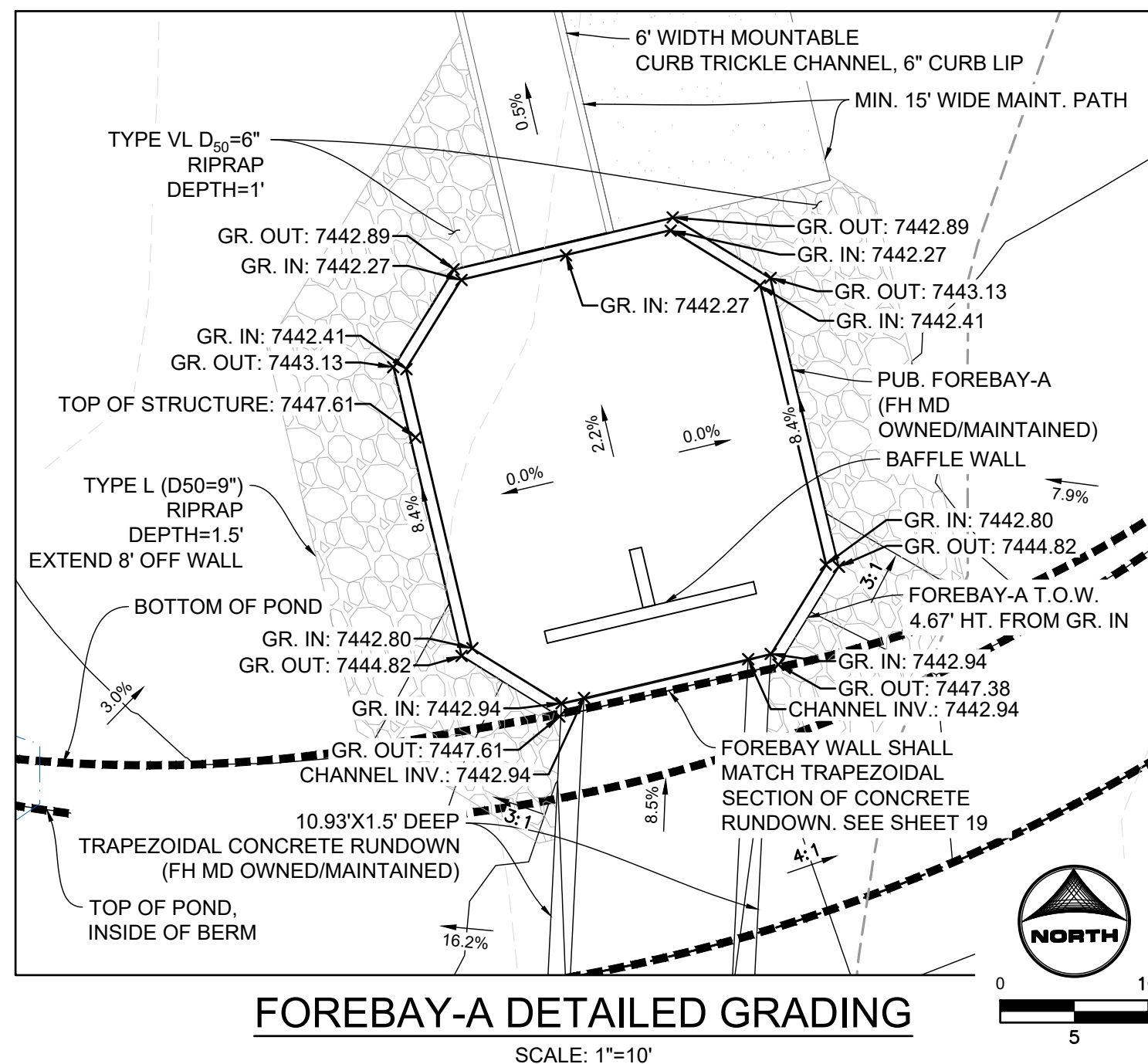
- POND GRADING NOTES:**
- TWO SIGNS OF MINIMUM 3 SQ. FT. AREA, SHALL BE INSTALLED AROUND THE POND PERIMETER. THE SIGNS WILL BE CONSTRUCTED OF A DURABLE MATERIAL SUCH AS METAL OR PLASTIC AND HAVE RED LETTERING ON A WHITE BACKGROUND STATING, "WARNING- THIS AREA IS A STORMWATER FACILITY AND IS SUBJECT TO 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 SHOWN ON THIS PLAN.
 - ALL POND STORM INFRASTRUCTURE IS CONSIDERED "PUBLIC" AND OWNED AND MAINTAINED BY THE FLYING HORSE NORTH METROPOLITAN DISTRICT.

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
SPILL ~ SPILLWAY
MAINT. ~ MAINTENANCE
CT ~ CURB TRANSITION



PCD FILE NO.: SF2532



POND A KEY TABLE									
NO.	DESC.	NORTH/EAST	ELEV.		NO.	DESC.	NORTH/EAST	ELEV.	
1	TC FL	N: 451230.97 E: 227919.85	7442.27		21	BTM POND	N: 451525.64 E: 227956.35	7444.37	
2	TC FL	N: 451502.63 E: 227855.62	7440.87		22	BTM POND	N: 451317.28 E: 228002.59	7445.24	
3	TC FL	N: 451691.96 E: 227829.62	7439.91		23	BTM POND	N: 451263.34 E: 227993.45	7444.94	
4	TC FL	N: 451919.15 E: 227807.13	7438.78		24	BTM POND	N: 451202.22 E: 227933.79	7447.63	
5	TC FL	N: 452028.19 E: 227807.13	7438.21		25	BTM POND	N: 451199.07 E: 227918.86	7447.35	
6	TC FL	N: 452034.51 E: 227804.16	7438.18		26	BTM POND	N: 451260.79 E: 227801.27	7445.63	
7	TC FL	N: 452188.19 E: 227732.02	7437.33		27	BTM POND	N: 451646.87 E: 227661.83	7445.57	
8	TC FL	N: 451968.93 E: 227664.47	7438.95		28	BTM POND	N: 451729.65 E: 227649.88	7445.51	
9	BTM POND	N: 452109.82 E: 227657.59	7440.24		29	BTM POND	N: 451911.99 E: 227650.48	7444.50	
10	BTM POND	N: 452158.16 E: 227662.12	7440.30		30	BTM POND	N: 452050.11 E: 227656.03	7442.01	
11	BTM POND	N: 452196.71 E: 227737.77	7437.83		31	TOP POND	N: 452112.62 E: 227640.36	7446.00	
12	BTM POND	N: 452199.96 E: 227730.44	7437.92		32	CREST	N: 452214.70 E: 227739.48	7444.04	
13	BTM POND	N: 452199.96 E: 227730.44	7438.69		33	TOP POND	N: 452216.70 E: 227804.21	7446.01	
14	BTM POND	N: 452210.02 E: 22782.31	7443.93		34	TOP POND	N: 452155.34 E: 227989.03	7446.01	
15	BTM POND	N: 452210.86 E: 22788.10	7444.19		35	TOP POND	N: 451789.74 E: 227950.48	7446.00	
16	BTM POND	N: 452209.13 E: 227933.89	7443.74		36	TOP POND	N: 451526.68 E: 227960.76	7446.00	
17	BTM POND	N: 452155.89 E: 227963.57	7445.01		37	TOP POND	N: 451317.33 E: 227933.55	7446.00	
18	BTM POND	N: 451919.38 E: 227841.14	7443.16		38	TOP POND	N: 451197.33 E: 227801.18	7446.00	
19	BTM POND	N: 451789.84 E: 227801.18	7443.16		39	TOP POND	N: 451260.77 E: 227801.18	7446.00	
20	BTM POND	N: 451657.26 E: 227939.54	7443.72		40	TOP POND	N: 451646.79 E: 227660.75	7446.00	

NO.	DESC.	NORTH/EAST	ELEV.
41	TOP POND	N: 451729.94 E: 227647.18	7446.00
42	TOP POND	N: 451915.92 E: 227643.87	7445.61
43	TOP OF POND	N: 452187.57 E: 227672.25	7445.98
44	CREST	N: 452192.67 E: 227769.03	7444.04
45	CREST	N: 452214.66 E: 227769.03	7444.04
46	TOP OF POND	N: 452214.73 E: 227777.03	7446.00
47	GRADE BREAK	N: 452217.72 E: 227644.95	7438.84
48	GRADE BREAK	N: 452256.09 E: 227776.03	???
49	TIE-IN TO EG	N: 452221.07 E: 227642.03	???
50	TIE-IN TO EG	N: 452260.91 E: 227776.03	???
51	BEGIN CT	N: 452013.59 E: 227810.20	7438.29
52	END CT	N: 452016.37 E: 227809.07	7438.27
53	BEGIN CT	N: 452027.35 E: 227804.21	7438.21
54	END CT	N: 452030.06 E: 227802.94	7438.20
55	BEGIN CT	N: 452016.14 E: 227814.50	7438.33
56	END CT	N: 452018.92 E: 227814.50	7438.30
57	BEGIN CT	N: 452029.90 E: 227809.64	7438.21
58	END CT	N: 452033.06 E: 227808.16	7438.20

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CAD DATE: 9/28/2026
CAD FILE: J:\2021\211030\CAD\Drawings\C\Filing_NORTH_Pond_F1_Plan

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

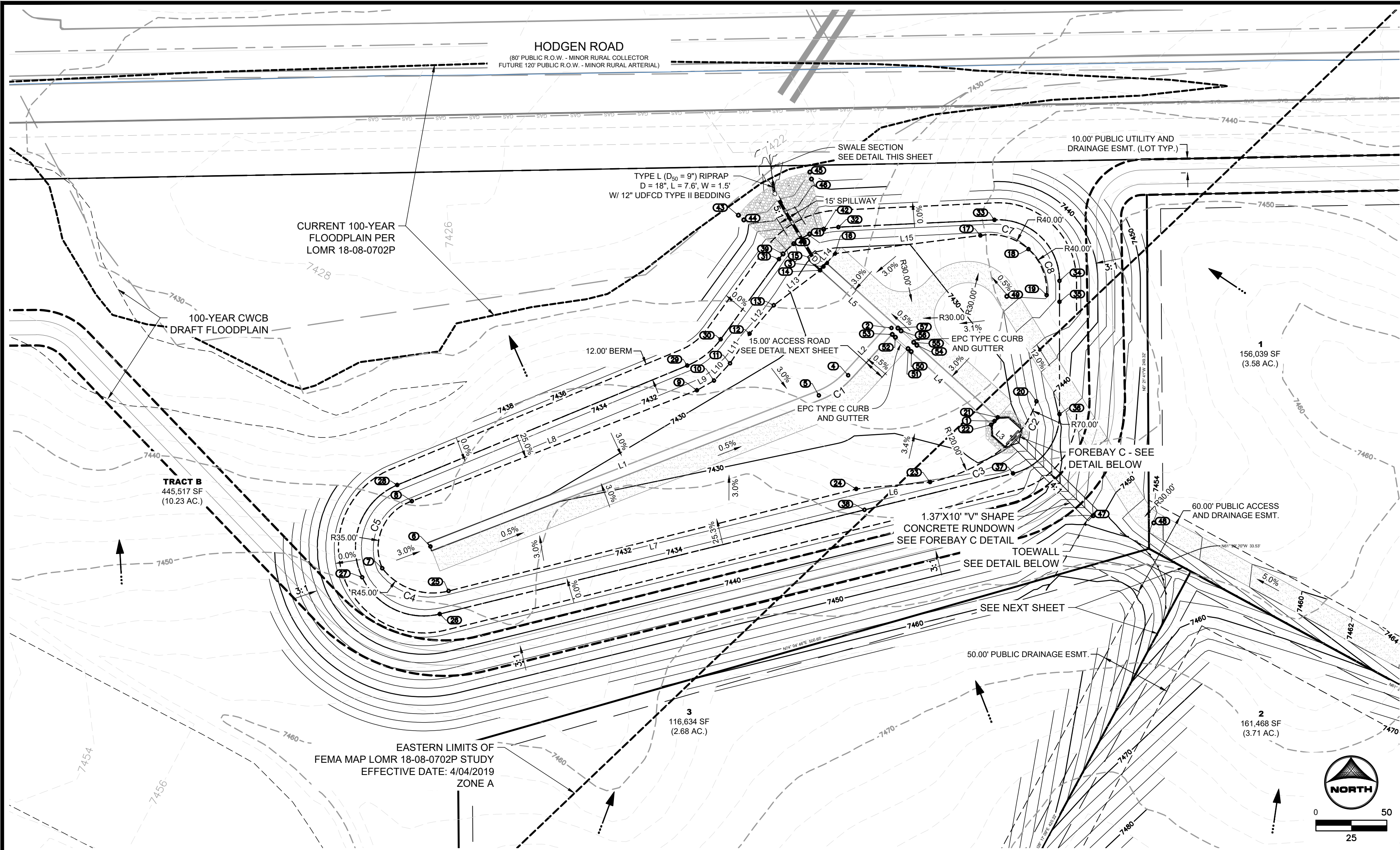


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PHONE: 719.300.4140
FAX: 719.965.0044

FLYING HORSE NORTH FILING 7
PRI #2, LLC.
EL PASO COUNTY, CO

DRAINAGE DETAILS
POND F1 DETAILED GRADING

SHEET
PND
21

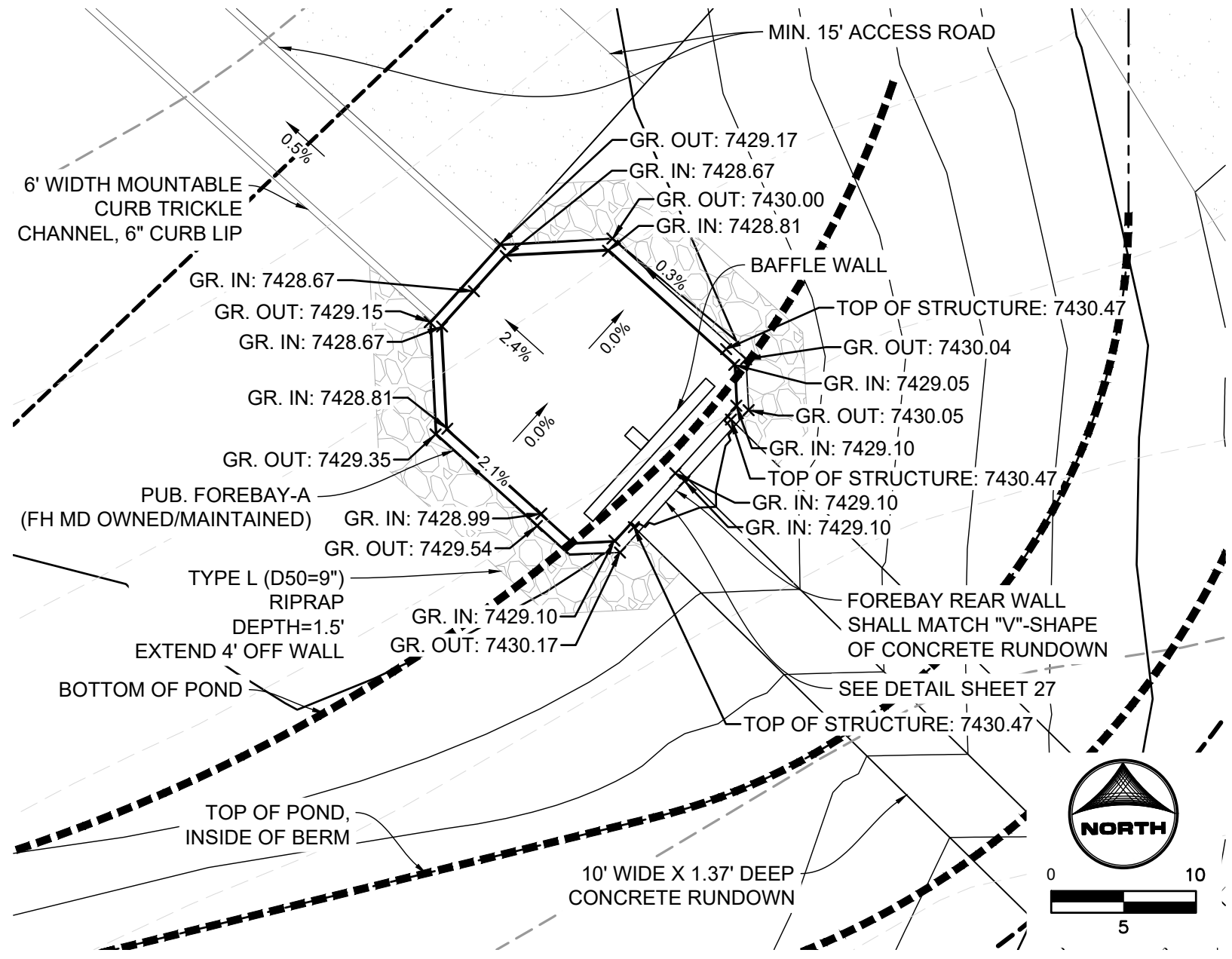


FOREBAY & TRICKLE CHANNEL SEGMENT TABLE					
LINE/CURVE NO.	LENGTH (FT)	DIRECTION/DELTA	RADIUS (FT)	START N/E	END N/E
C1	25.25	26.30	55.00	N:452147.46 E:226418.41	N:452133.33 E:226397.76
L1	293.80	S68°45'11.92"W		N:452133.33 E:226397.76	N:452026.86 E:226153.93
L2	45.21	S42°26'59.91"W		N:452180.83 E:226448.93	N:452147.46 E:226418.41
L3	19.58	S47°54'39.71"E		N:452115.24 E:226521.54	N:452102.11 E:226536.07
L4	97.85	S47°54'39.71"E		N:452180.83 E:226448.93	N:452115.24 E:226521.54
L5	64.54	S47°54'39.71"E		N:452224.09 E:226401.03	N:452180.83 E:226448.93

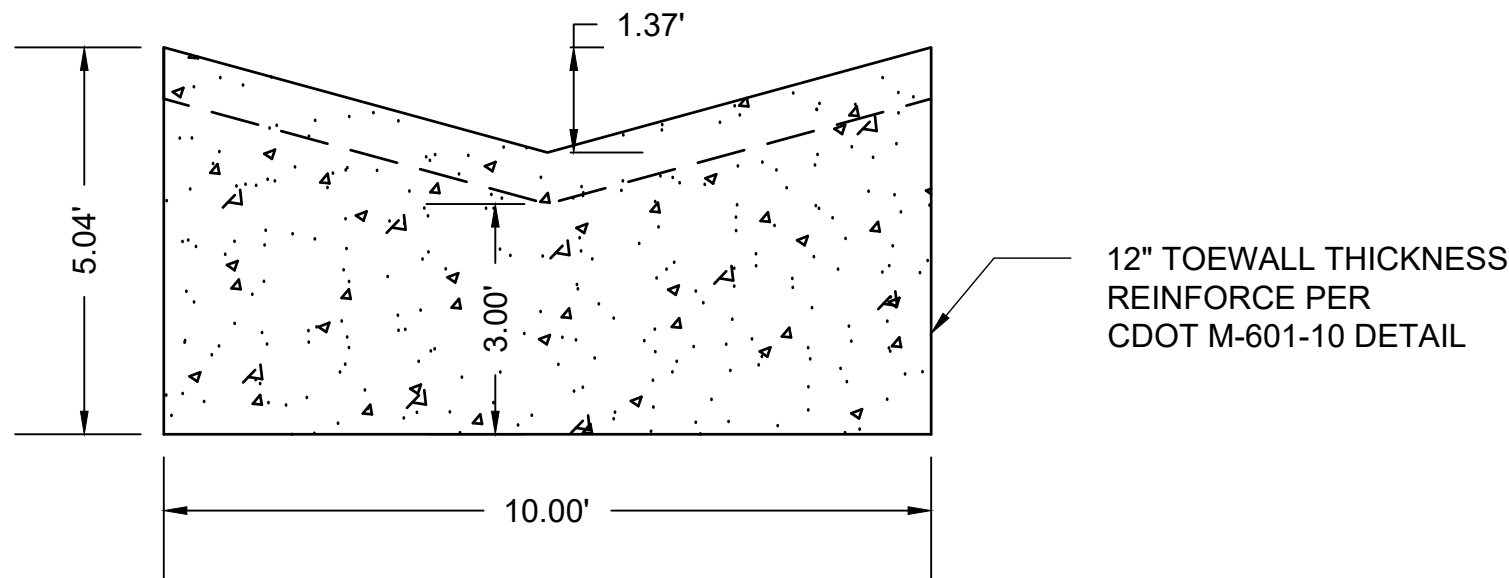
POND BOTTOM SEGMENT TABLE					
LINE/CURVE NO.	LENGTH (FT)	DIRECTION/DELTA	RADIUS (FT)	START N/E	END N/E
C2	30.68	25.11	70.00	N:452129.15 E:226551.13	N:452103.07 E:226536.43
C3	67.73	32.34	120.00	N:452103.07 E:226536.43	N:452072.27 E:226476.12
C4	52.32	66.62	45.00	N:451995.52 E:226136.72	N:452011.55 E:226089.97
C5	58.15	95.19	35.00	N:452011.55 E:226089.97	N:452068.84 E:226110.84
C7	36.51	52.30	40.00	N:452246.00 E:226511.62	N:452236.35 E:226545.53
C8	35.95	51.49	40.00	N:452236.35 E:226545.53	N:452204.04 E:226558.33
L6	52.29	S84°40'24.28"W		N:452072.27 E:226476.12	N:452067.41 E:226424.05
L7	296.19	S75°57'13.12"W		N:452067.41 E:226424.05	N:451995.52 E:226136.72
L8	215.56	N68°45'11.92"E		N:452058.84 E:226110.84	N:452136.95 E:226311.75
L9	13.86	N60°17'56.39"E		N:452136.95 E:226311.75	N:452143.76 E:226323.81
L10	16.59	N42°58'16.92"E		N:452143.76 E:226323.81	N:452155.90 E:226335.12
L11	25.06	N33°28'56.02"E		N:452155.90 E:226335.12	N:452176.80 E:226348.94
L12	28.32	N40°17'18.20"E		N:452176.80 E:226348.94	N:452196.87 E:226365.96
L13	40.95	N53°02'48.53"E		N:452196.87 E:226365.96	N:452221.49 E:226398.69
L14	8.69	N40°52'43.82"E		N:452221.49 E:226398.69	N:452232.25 E:226409.06
L15	103.35	N82°54'51.28"E		N:452232.25 E:226409.06	N:452246.00 E:226511.62

POND GRADING NOTES:

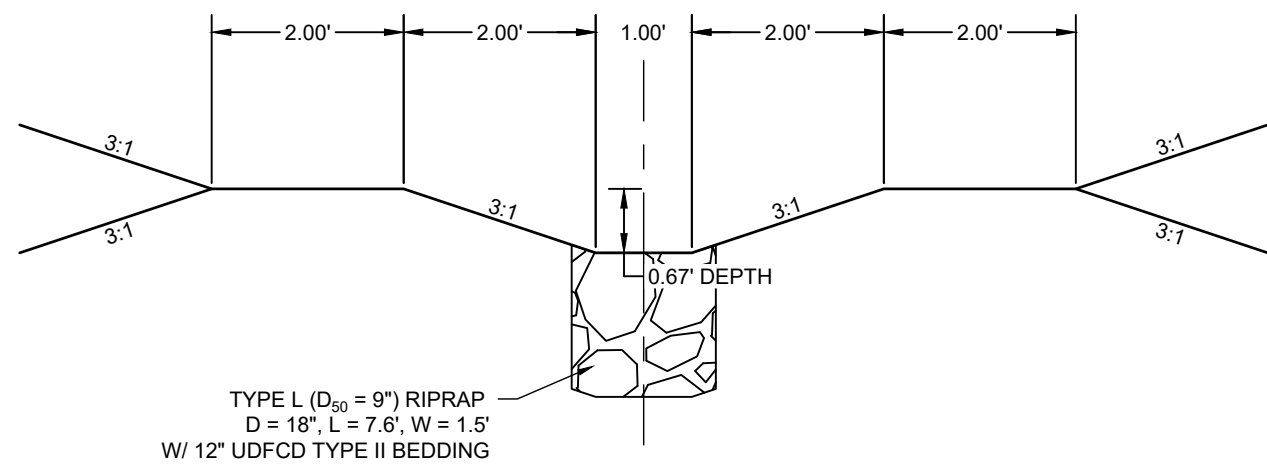
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FOREBAY-C DETAILED GRADING
SCALE: 1"=10'



TOEWALL DETAIL
SCALE: N.T.S.



POND F2 OUTLET SWALE DETAIL
SCALE: 1"=2'

POND B KEY TABLE

NO.	DESC.	NORTH/EAST	ELEV.
1	TC FL	N: 452115.24 E: 226521.54	7428.67
2	TC FL	N: 452180.83 E: 226448.93	7428.18
3	TC FL	N: 452224.09 E: 226401.03	7427.86
4	TC FL	N: 452147.46 E: 226418.41	7428.41
5	TC FL	N: 452133.33 E: 226397.76	7428.53
6	TC FL	N: 452026.86 E: 226123.93	7430.00
7	BTM POND	N: 452011.55 E: 226089.97	7431.12
8	BTM POND	N: 452058.84 E: 226110.84	7431.39
9	BTM POND	N: 452136.95 E: 226311.75	7430.31
10	BTM POND	N: 452143.76 E: 226323.81	7430.31
11	BTM POND	N: 452155.90 E: 226335.12	7430.45
12	BTM POND	N: 452176.80 E: 226348.94	7430.78
13	BTM POND	N: 452196.87 E: 226365.96	7430.93
14	BTM POND	N: 452221.49 E: 226398.69	7428.36
15	BTM POND	N: 452226.68 E: 226403.38	7428.36
16	BTM POND	N: 452233.25 E: 226409.06	7428.62
17	BTM POND	N: 452246.00 E: 226511.62	7431.30
18	BTM POND	N: 452236.35 E: 226545.53	7431.93
19	BTM POND	N: 452204.04 E: 226558.33	7431.62
20	BTM POND	N: 452129.15 E: 226551.13	7435.71

POND B KEY TABLE

NO.	DESC.	NORTH/EAST	ELEV.
21	BTM POND	N: 452117.84 E: 226523.89	7429.17
22	BTM POND	N: 452112.64 E: 226519.20	7429.14
23	BTM POND	N: 452072.27 E: 226476.12	7432.78
24	BTM POND	N: 452067.41 E: 226424.05	7431.04
25	BTM POND	N: 451995.52 E: 226136.72	7431.39
26	TOP POND	N: 451979.30 E: 226130.49	7435.00
27	TOP POND	N: 452005.18 E: 226075.82	7435.00
28	TOP POND	N: 452070.20 E: 226100.52	7435.00
29	TOP POND	N: 452154.36 E: 226304.98	7435.00
30	TOP POND	N: 452172.87 E: 226328.52	7435.00
31	TOP POND	N: 452229.31 E: 226369.58	7435.00
32	TOP POND	N: 452251.89 E: 226411.52	7435.00
33	TOP POND	N: 452256.98 E: 226521.54	7435.00
34	TOP POND	N: 452214.07 E: 226567.39	7435.00
35	TOP POND	N: 452199.26 E: 226567.38	7435.00
36	TOP POND	N: 452120.10 E: 226567.37	7440.25
37	TOP POND	N: 452078.34 E: 226534.61	7435.00
38	TOP POND	N: 452052.69 E: 226429.93	7435.00
39	TOP OF POND	N: 452232.98 E: 226372.51	7435.00
40	CREST	N: 452240.17 E: 226380.04	7432.29

POND B KEY TABLE

NO.	DESC.	NORTH/EAST	ELEV.
41	CREST	N: 452247.00 E: 226391.25	7432.29
42	TOP OF POND	N: 452250.41 E: 226401.12	7435.00
43	TIE-IN TO EG	N: 452280.27 E: 226341.04	7426.63
44	GRADE BREAK	N: 452296.97 E: 226344.85	7428.85
45	TIE-IN TO EG	N: 452290.66 E: 226391.38	7426.70
46	GRADE BREAK	N: 452285.74 E: 226392.56	7428.91
47	FL	N: 452048.52 E: 226591.07	7448.00
48	GB	N: 452043.48 E: 226633.83	7454.11
49	GB	N: 452203.09 E: 226530.24	7431.20
50	BEGIN CT	N: 452164.21 E: 226462.85	7428.26
51	END CT	N: 452166.21 E: 226460.63	7428.25
52	BEGIN CT	N: 452174.26 E: 226451.72	7428.19
53	END CT	N: 452176.27 E: 226449.50	7428.17
54	BEGIN CT	N: 452168.66 E: 226466.87	7428.29
55	END CT	N: 452170.67 E: 226464.65	7428.27
56	BEGIN CT	N: 452178.71 E: 226455.75	7428.21
57	END CT	N: 452180.72 E: 226453.52	7428.20

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 FILE: J:\2021\211030\CAD\Drawings\C\Filing_NORTH_Pond_F2_Plan

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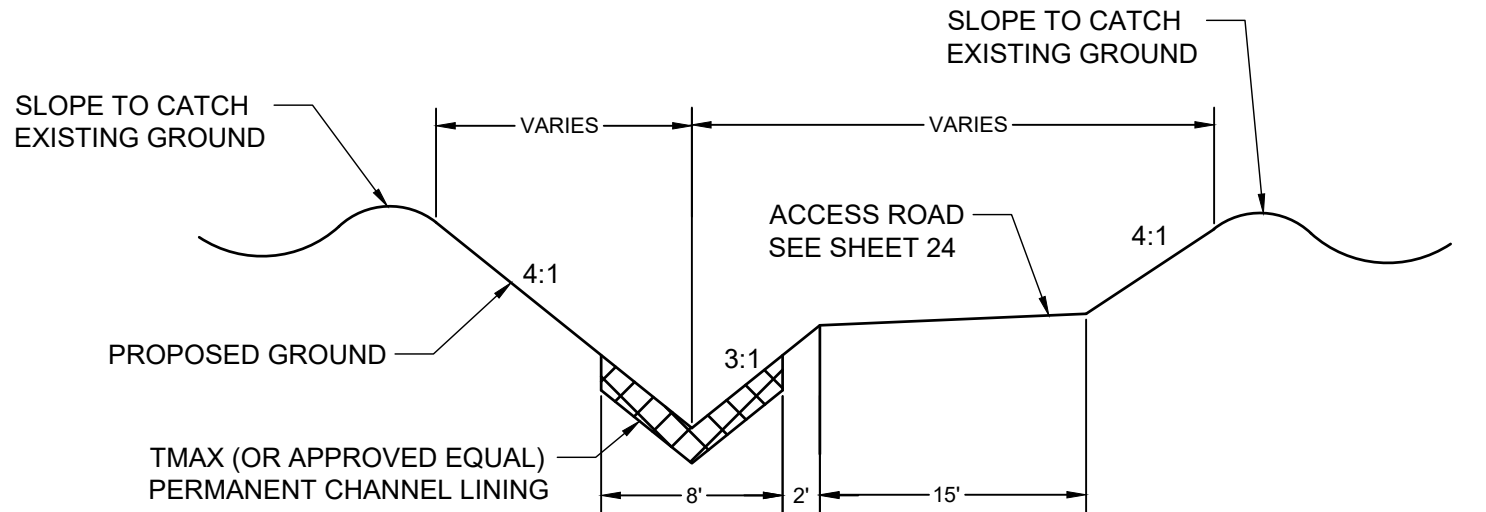
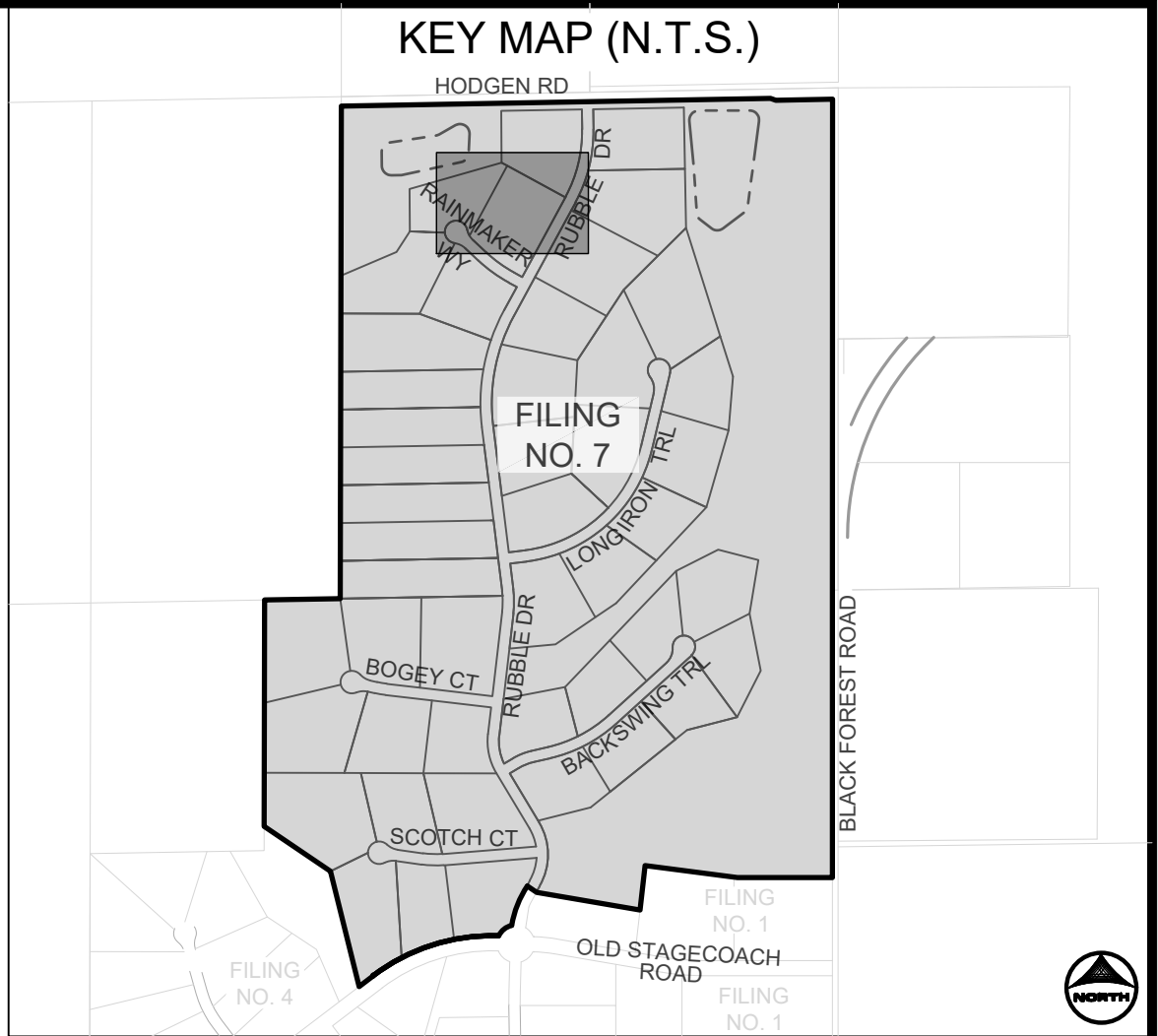
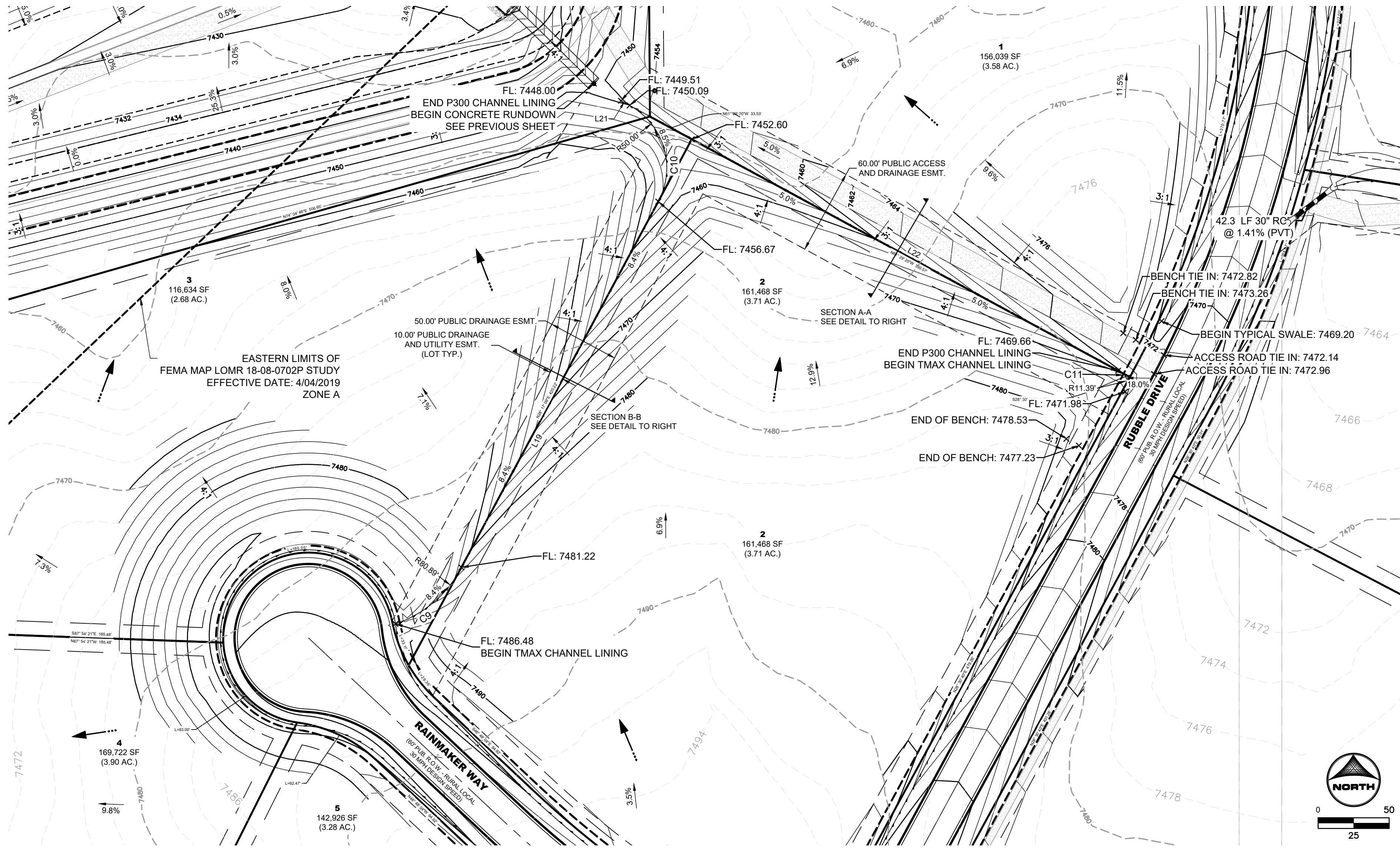
NO.	DATE	BY	REVISION DESCRIPTION

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COLORADO SPRINGS, CO 80920
PHONE: 719.300.4140
FAX: 713.965.0044

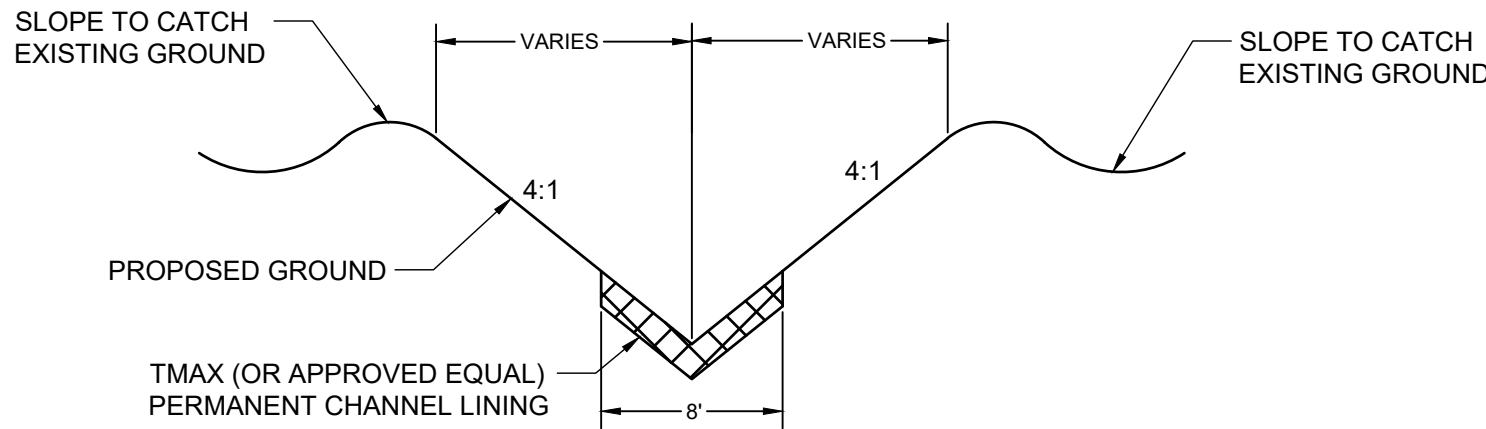
FLYING HORSE NORTH FILING 7
PRI #2, LLC.
EL PASO COUNTY, CO

DRAINAGE DETAILS
POND F2 DETAILED GRADING

SHEET
PND
22



CHANNEL A-A SECTION
N.T.S.



CHANNEL B-B SECTION
N.T.S.

CHANNEL CENTERLINE SEGMENT TABLE					
LINE/CURVE NO.	LENGTH (FT)	DIRECTION/DELTA	RADIUS (FT)	START N/E	END N/E
C9	62.58	44.33	80.89	N451708.14 E:226467.87	N451668.39 E:226451.55
C10	78.34	89.77	50.00	N452033.14 E:226616.20	N451965.51 E:226636.36
C11	17.22	96.65	11.39	N451831.72 E:226964.69	N451846.54 E:226959.72
L19	20.00	S28°17'09.19"W		N451801.96 E:226548.35	N451784.35 E:226536.88
L21	6.90	S61°39'14.30"E		N452036.41 E:226610.13	N452033.14 E:226616.20
L22	390.93	S61°29'21.19"E		N452033.14 E:226616.20	N451846.54 E:226959.72

ABBREVIATIONS:

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FLYING HORSE NORTH FILING 7
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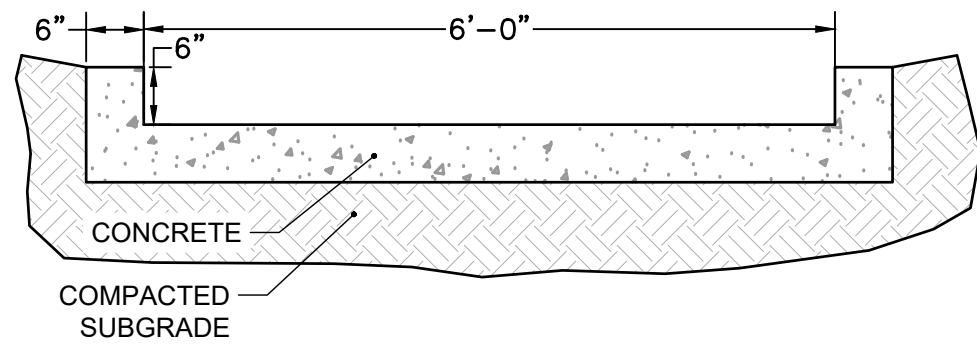
DRAINAGE DETAILS
POND F2 OVERLOT SWALE GRADING

SHEET
PND

23

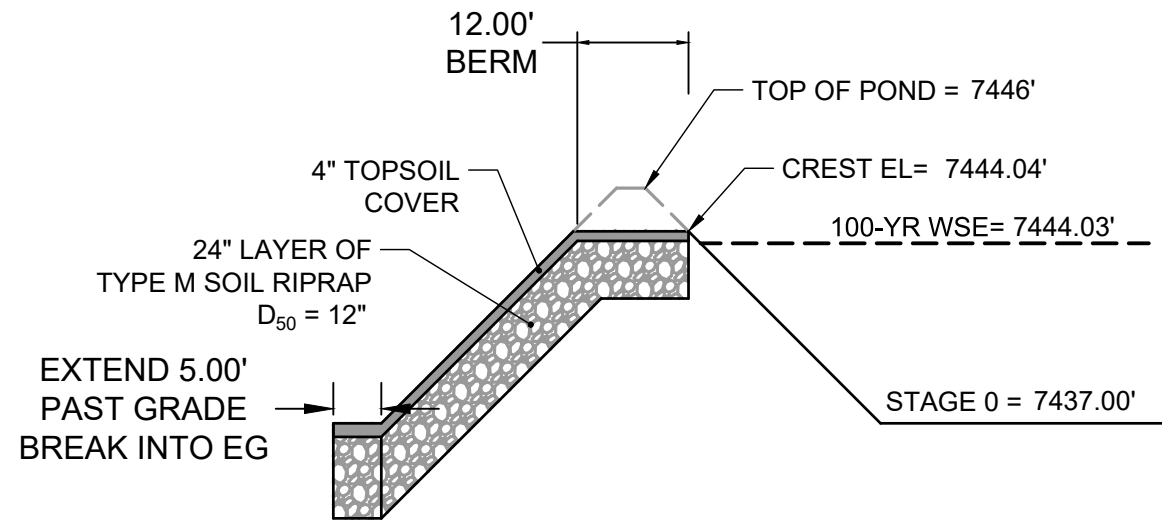
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POND F1 DETAILS



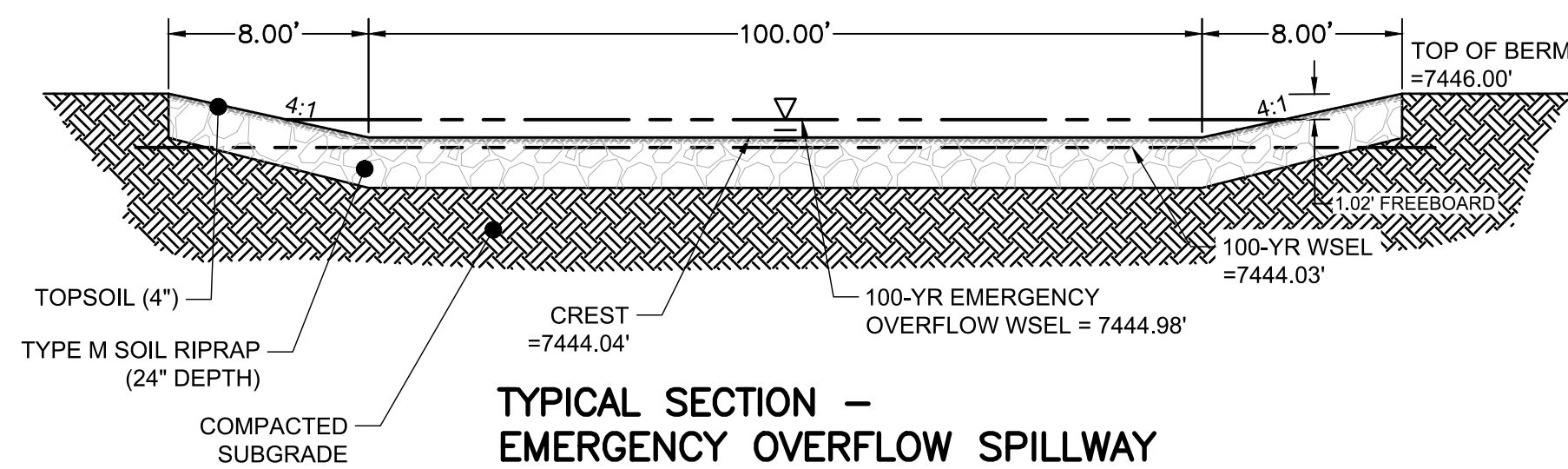
**TYPICAL DETAIL –
6.0' TRICKLE CHANNEL**

SCALE: NTS



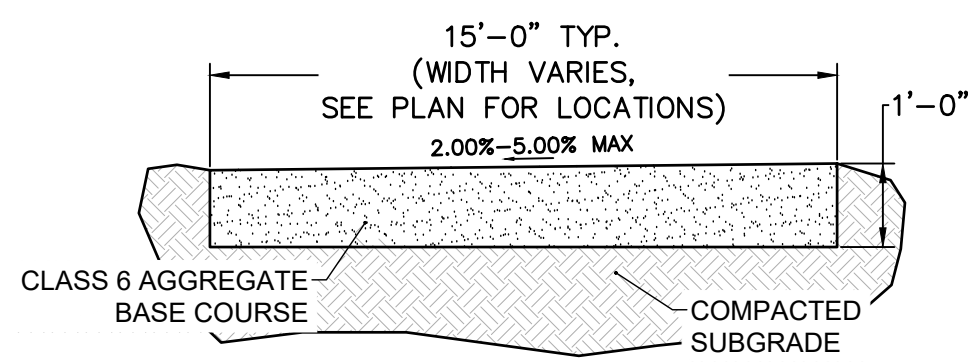
**PROFILE VIEW –
EMERGENCY OVERFLOW SPILLWAY**

SCALE: NTS



**TYPICAL SECTION –
EMERGENCY OVERFLOW SPILLWAY**

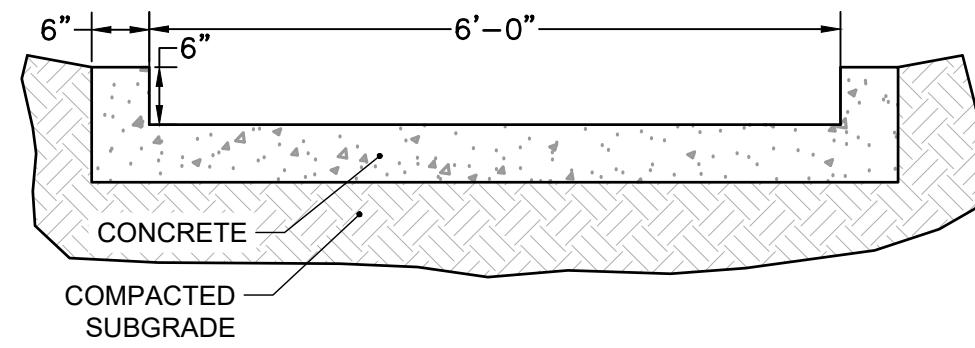
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**TYPICAL SECTION –
MAINTENANCE ROAD**

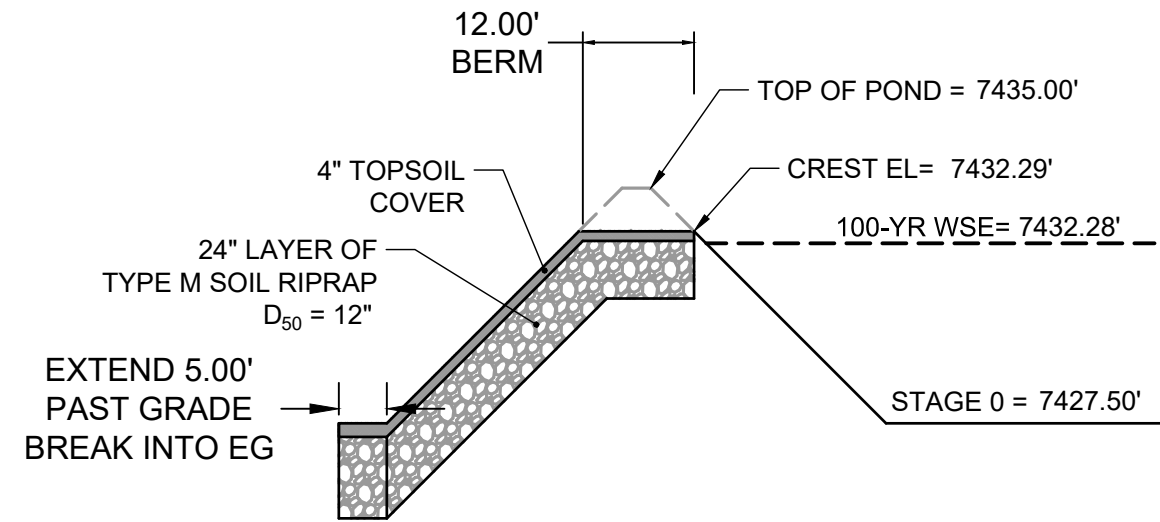
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POND F2 DETAILS



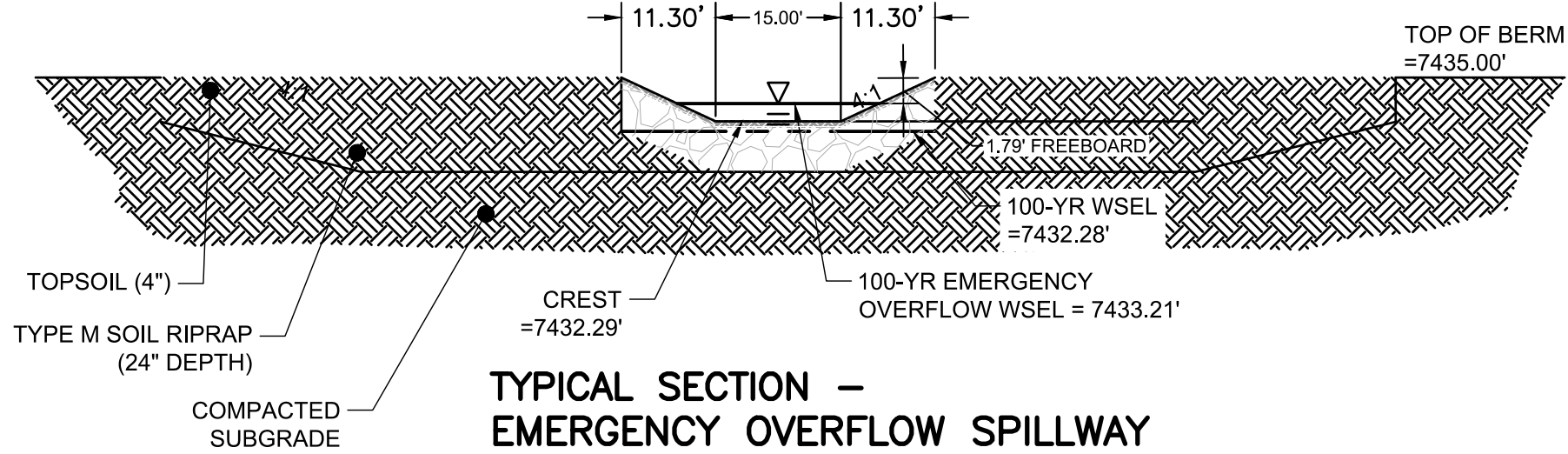
**TYPICAL DETAIL –
6.0' TRICKLE CHANNEL**

SCALE: NTS



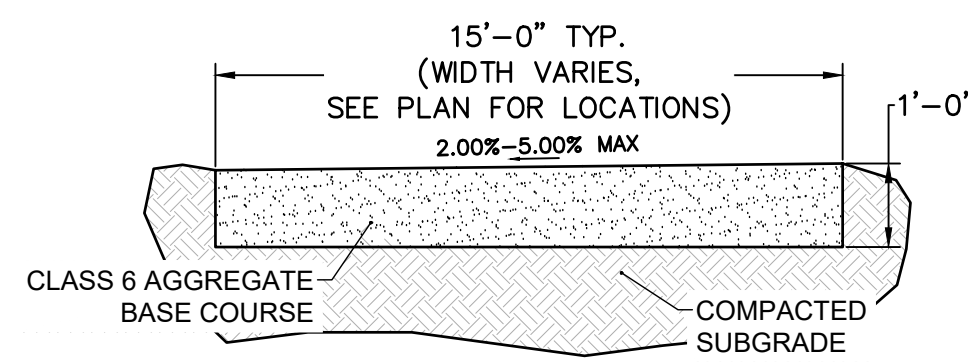
**PROFILE VIEW –
EMERGENCY OVERFLOW SPILLWAY**

SCALE: NTS



**TYPICAL SECTION –
EMERGENCY OVERFLOW SPILLWAY**

SCALE: NTS



**TYPICAL SECTION –
MAINTENANCE ROAD**

SCALE: NTS

HR GREEN Xref: xv=row-1030; xv=dgn-1030; xc=row-030,260; xc=dgn-260; xgl=1-dn01-1030,260; key_map; xv=util-1030

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APPROVED: RDL JOB NUMBER: 211030.280
CAD DATE: 9/22/2026
CAD FILE: J:\2021\211030\CAD\Drawings\Filing_NORTH\Pond_F1_Plan

BAR IS ONE INCH ON
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0 1"
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DRAINAGE DETAILS
POND DETAILS

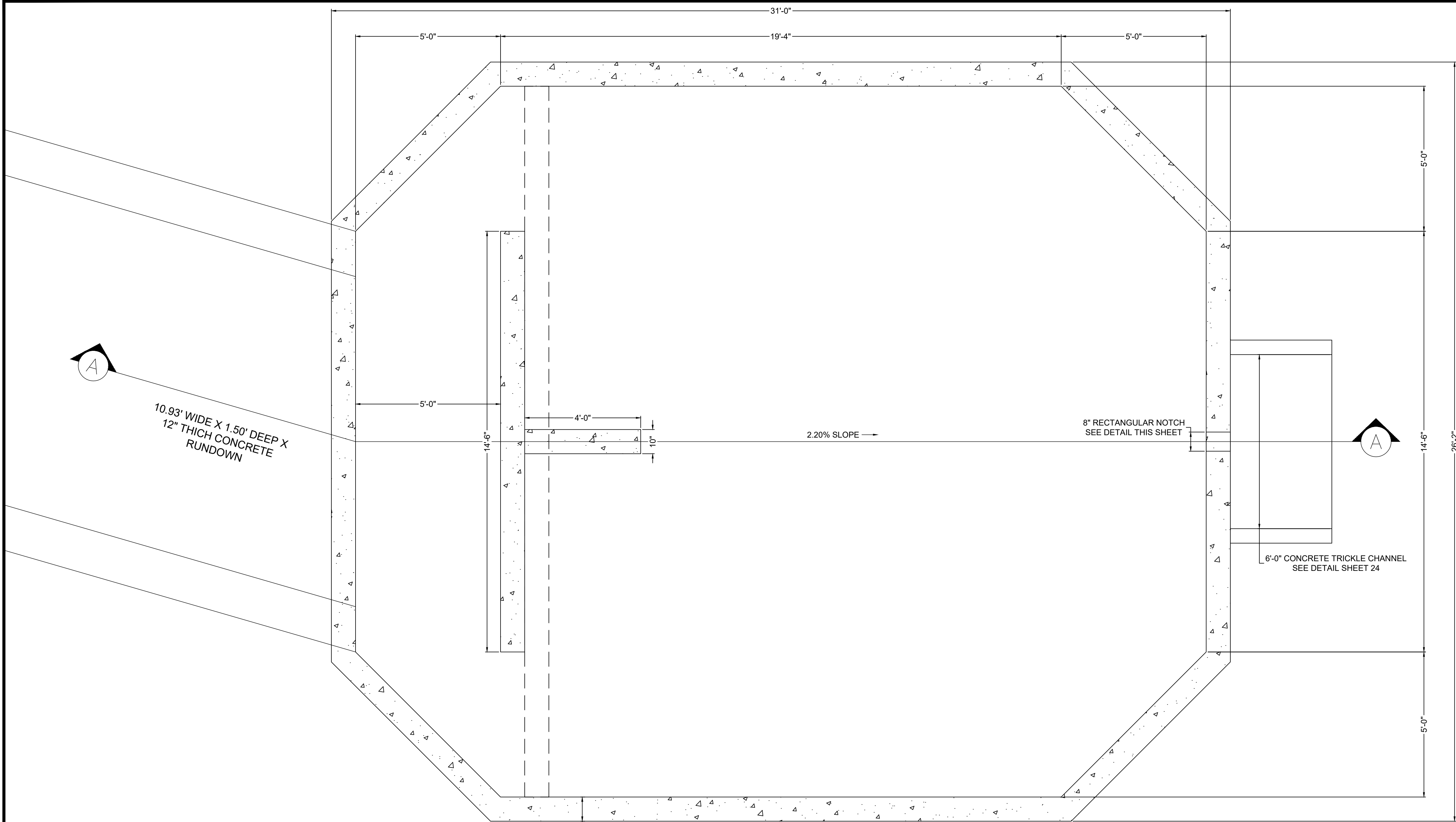
SHEET
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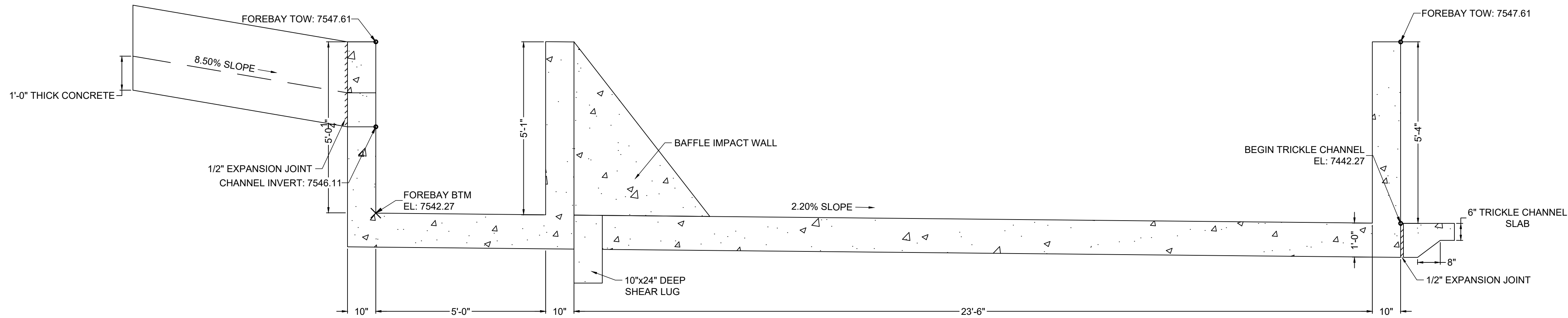


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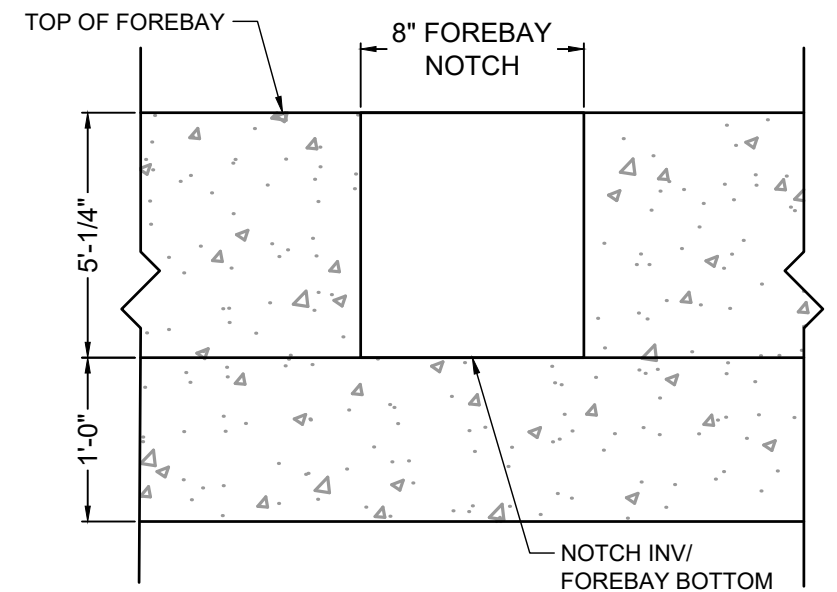
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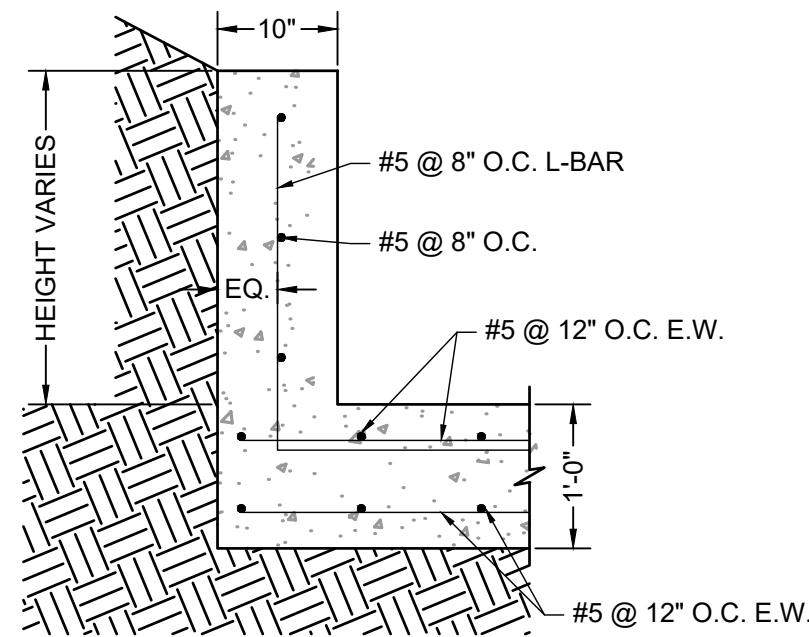
PLAN VIEW
FOREBAY A
SCALE: 1"=2'



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



FOREBAY A NOTCH DETAIL
SCALE: NTS



ELEVATION VIEW
FOREBAY REINFORCING DETAIL
SCALE: NTS

DRAWN BY: CVW JOB DATE: 8/20/26
APPROVED: RDL JOB NUMBER: 211030.260
CAD DATE: 8/22/2024
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BAR IS ONE INCH ON OFFICIAL DRAWINGS.
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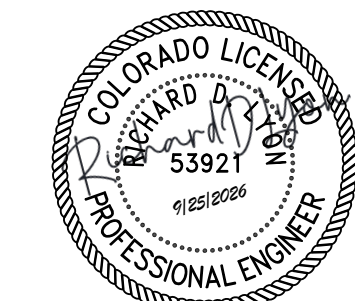
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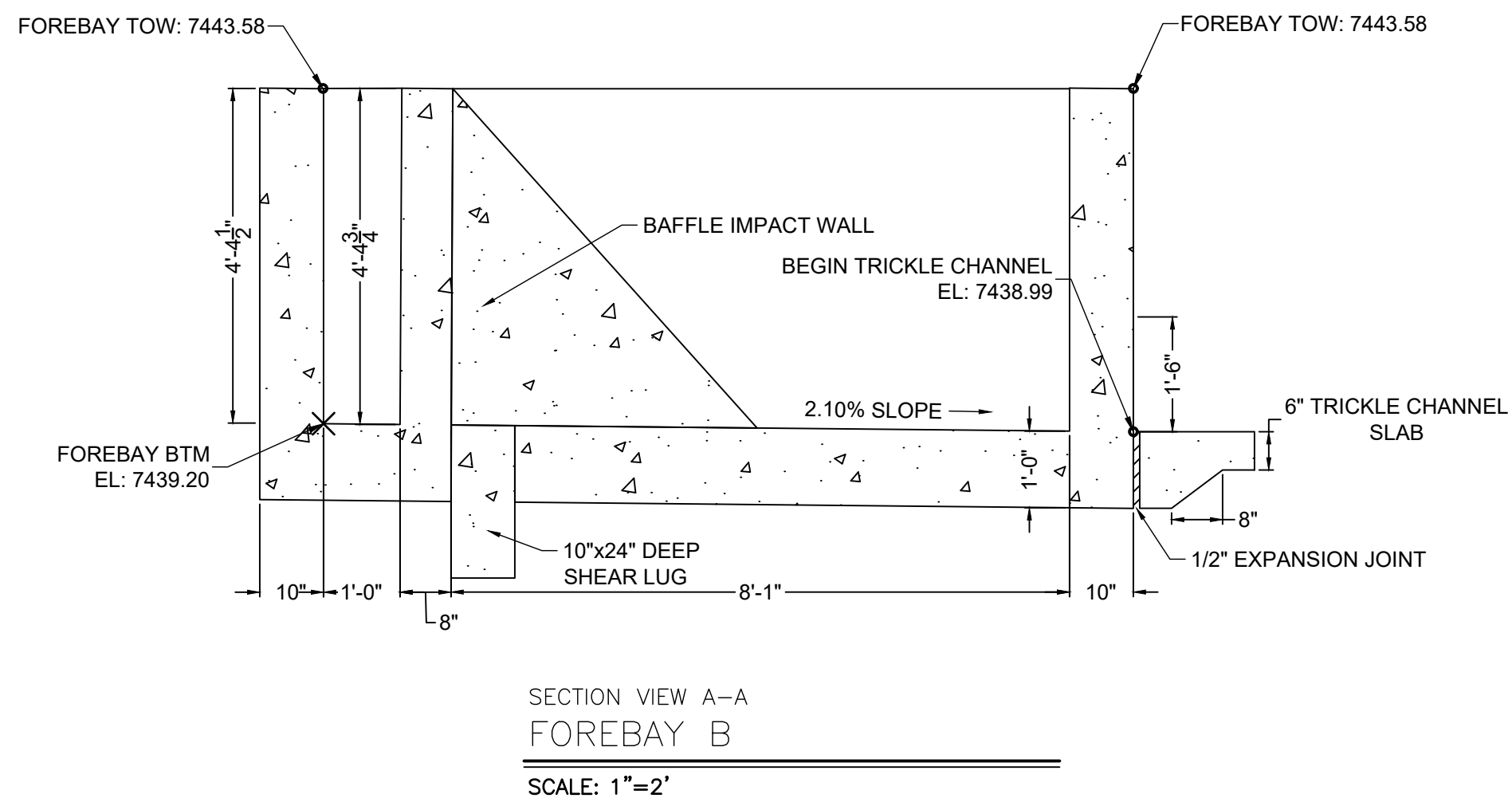
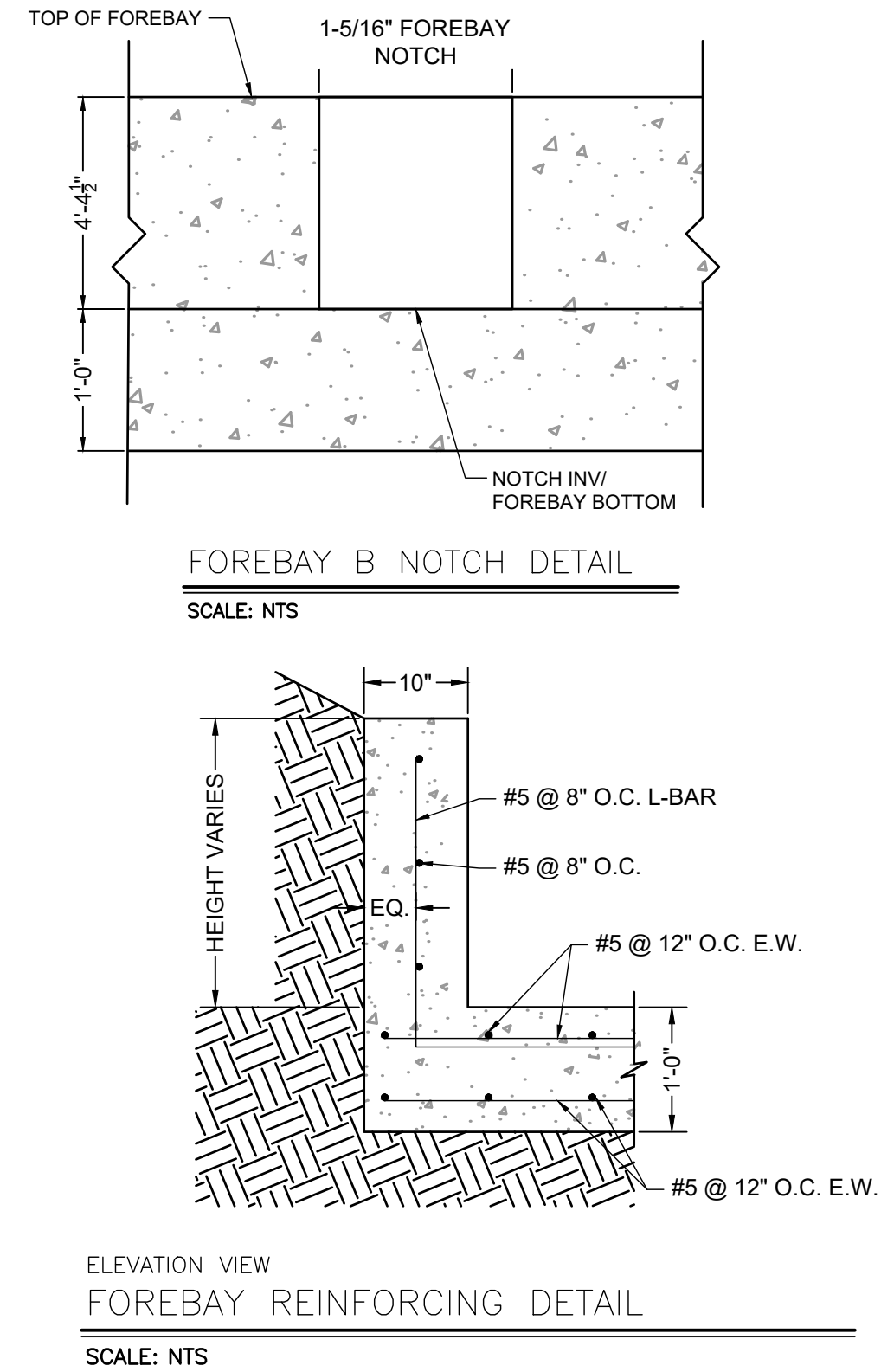
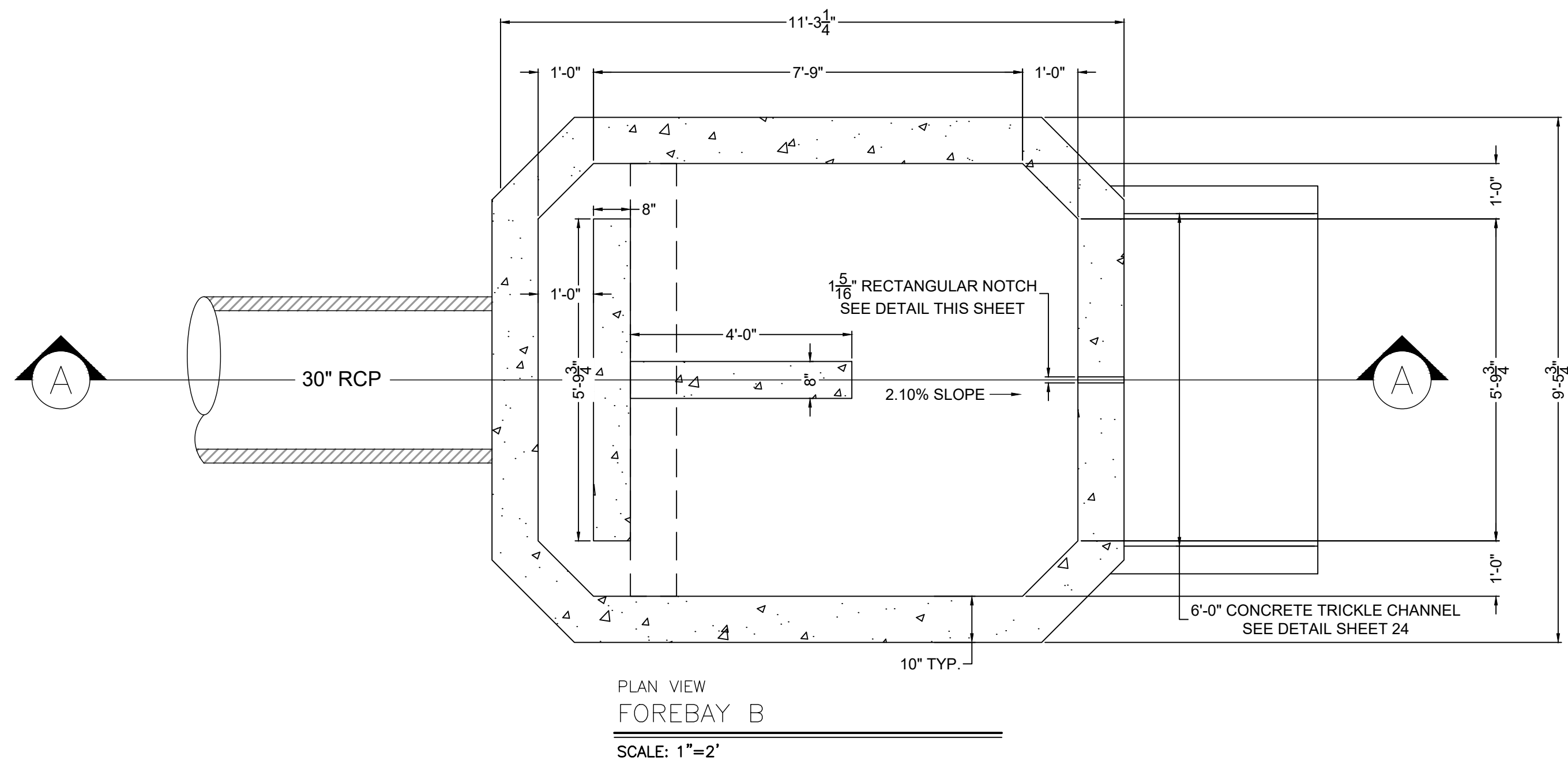
POND DETAILS
POND F1 FOREBAY-A



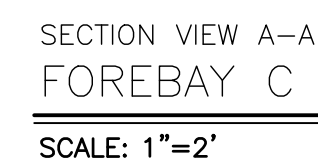
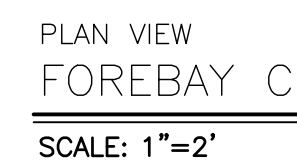
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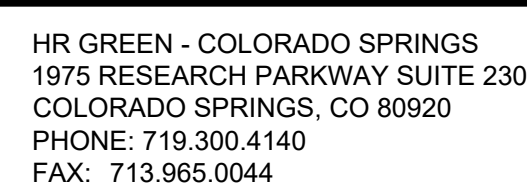
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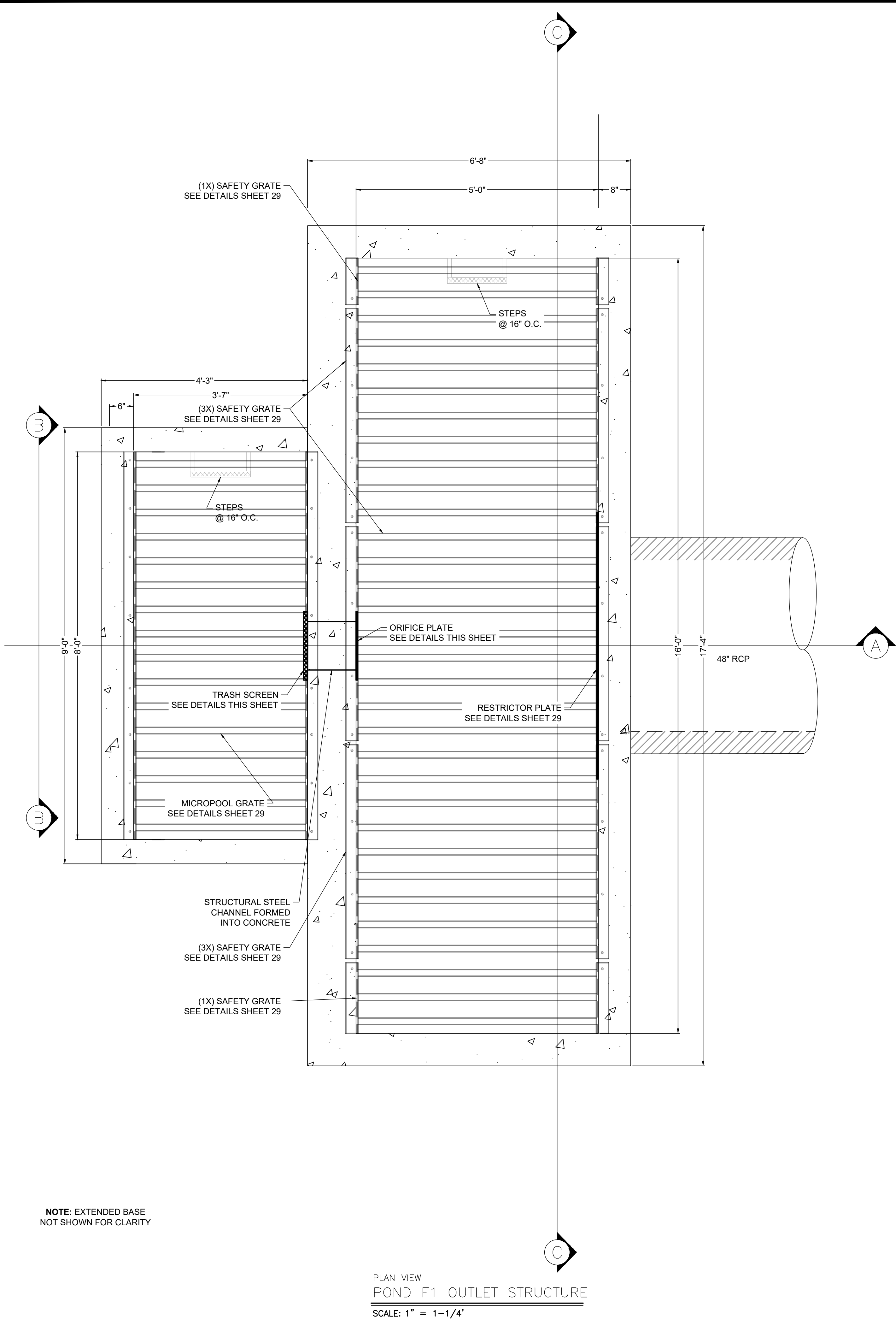
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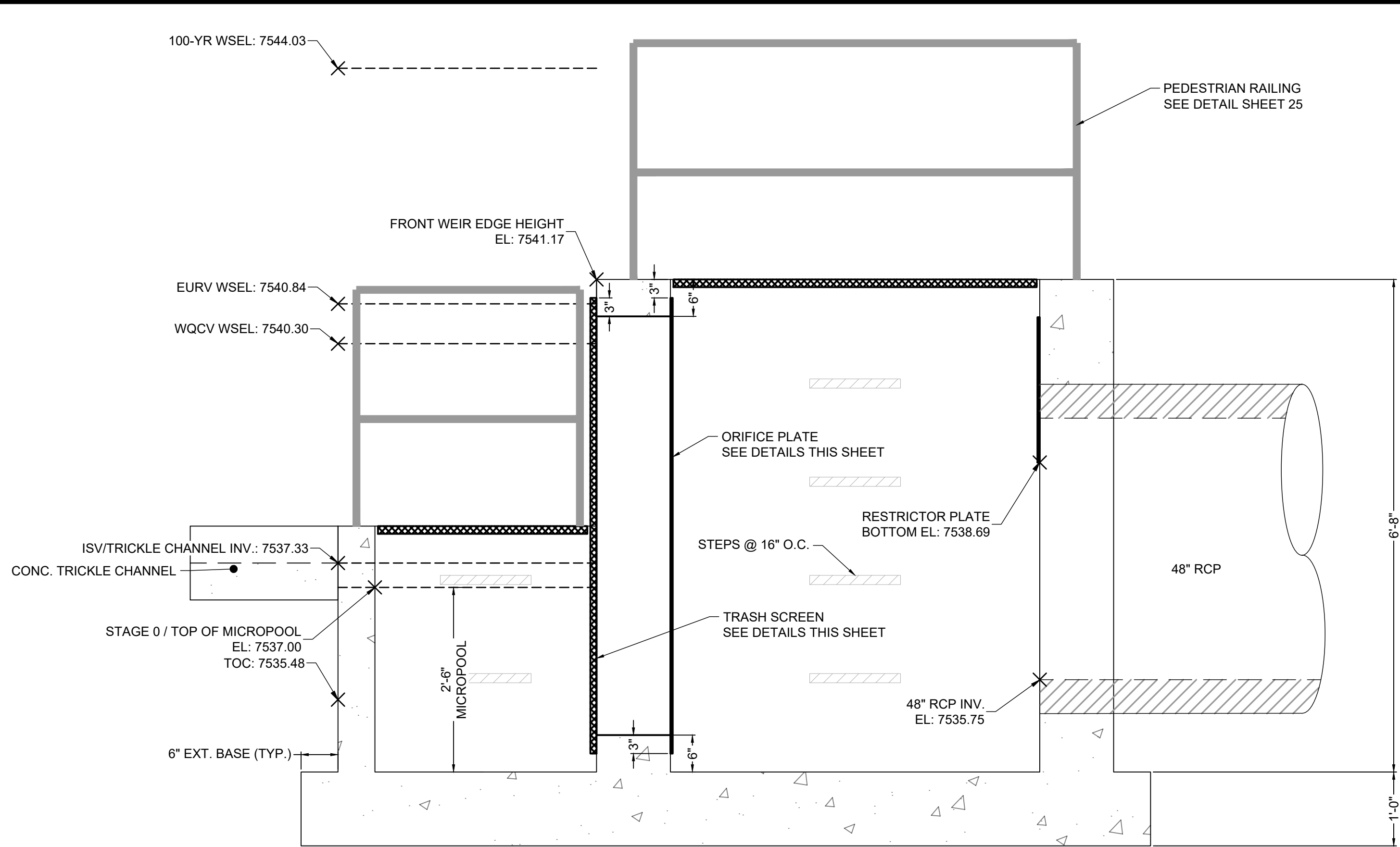
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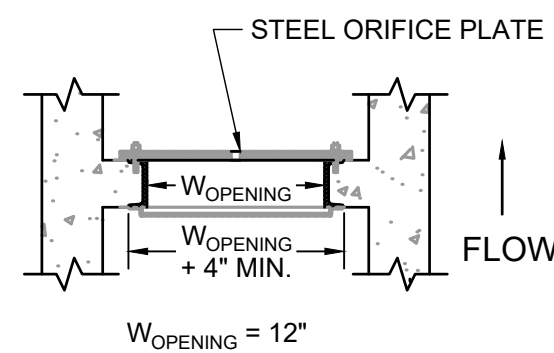
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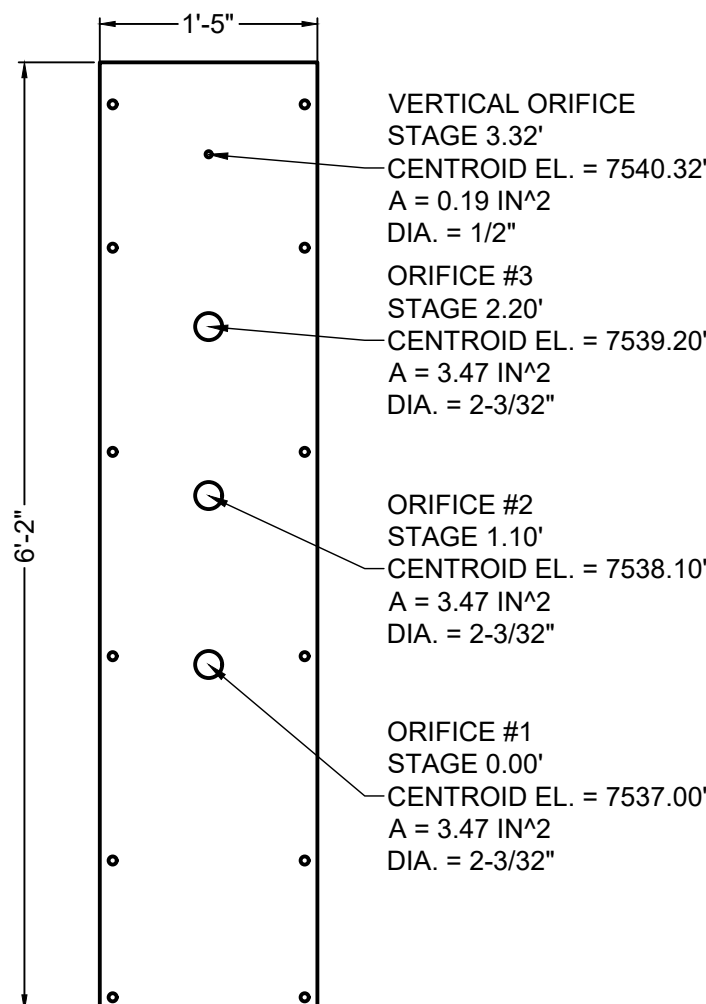
PLAN VIEW
POND F1 OUTLET STRUCTURE
SCALE: 1" = 1-1/4'



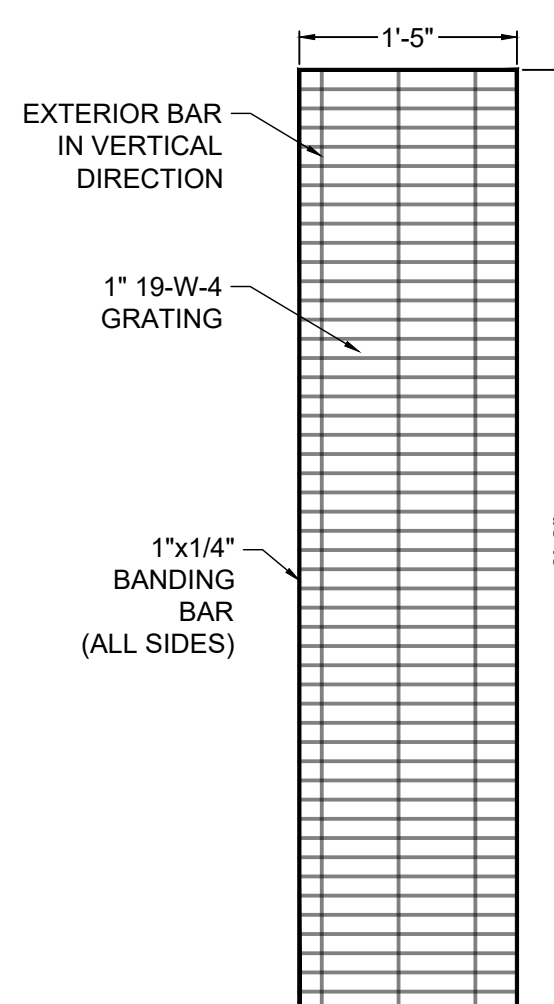
SECTION VIEW A-A
POND F1 OUTLET STRUCTURE
SCALE: 1" = 1-1/4'



DETAIL
TRASH SCREEN & ORIFICE PLATE
SCALE: NTS



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



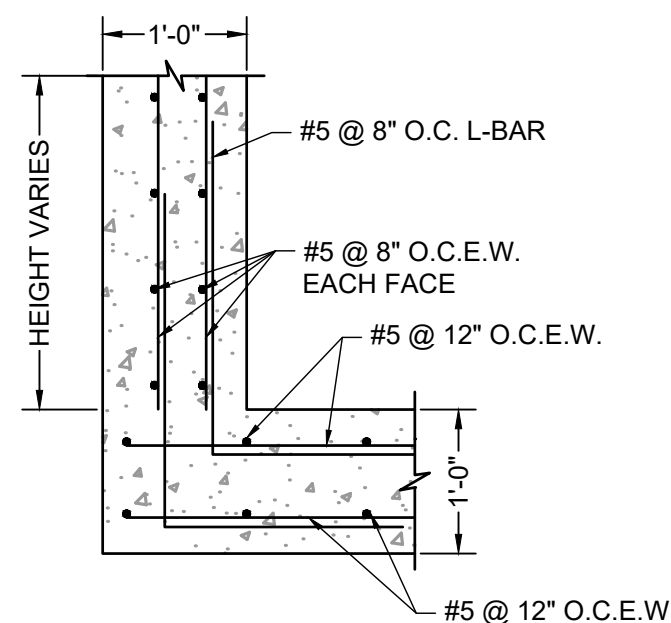
ELEVATION VIEW
TRASH SCREEN DETAIL
SCALE: 1" = 1-1/4'

TRASH SCREEN NOTES:

1. TRASH SCREEN SHALL BE CONSTRUCTED OF 1" THICK 19-W-4 GRATING WITH 1"x1/4" BANDING BAR ON EACH SIDE AND GALVANIZED, MANUFACTURED WITH EXTERIOR BARS IN THE VERTICAL ORIENTATION, OR APPROVED EQUIVALENT 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.
5. ORIFICE PLATE GASKET SHALL BE MADE OF 1/4-INCH THICK, 60 DUROMETER EPDM RUBBER IN A CONTINUOUS SHEET THE SIZE OF THE ORIFICE PLATE. THE SHEET SHALL BE PLACED BETWEEN THE ORIFICE PLATE AND CONCRETE WALL, WITH THE WIDTH OF THE OVERLAP BETWEEN THE PLATE AND THE CONCRETE. OPENINGS SHALL BE CUT INTO THE SHEET CORRESPONDING TO THE PLATE BOLT HOLES AND THE CONCRETE WALL OPENING. CUTS MADE EITHER BY THE CONTRACTOR IN THE FIELD OR BY THE MANUFACTURER. (OR EQUIVALENT GASKET APPROVED BY EPC).



ELEVATION VIEW
OUTLET STRUCTURE REINFORCING DETAIL
SCALE: NTS

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APPROVED: RDL	JOB NUMBER: 211030.280	0 1"
CAD DATE: 8/22/2024		IF NOT ONE INCH, ADJUST SCALE ACCORDINGLY.
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PHONE: 719.300.4140
FAX: 719.965.0044

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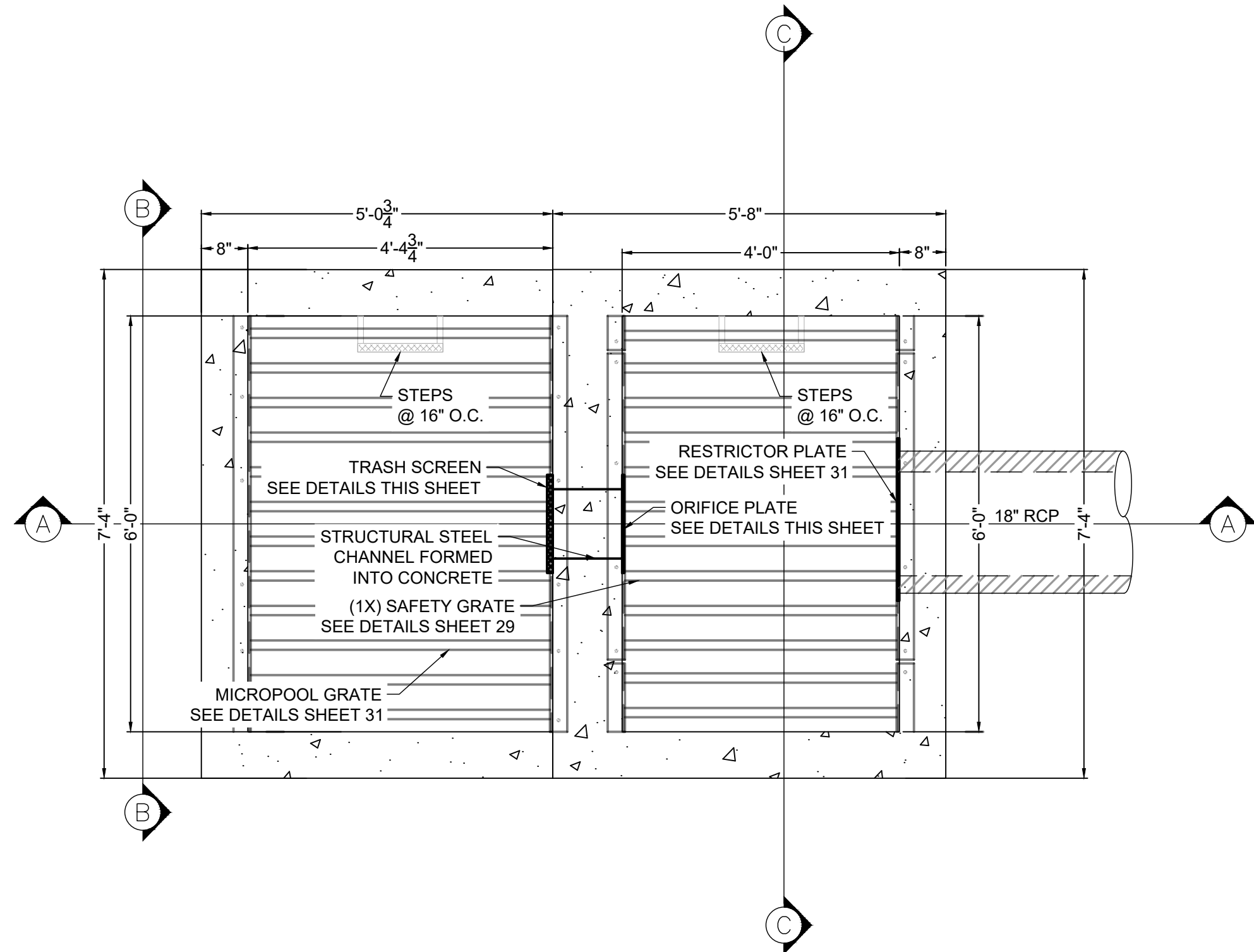
POND DETAILS
POND F1 OUTLET STRUCTURE

SHEET
PND

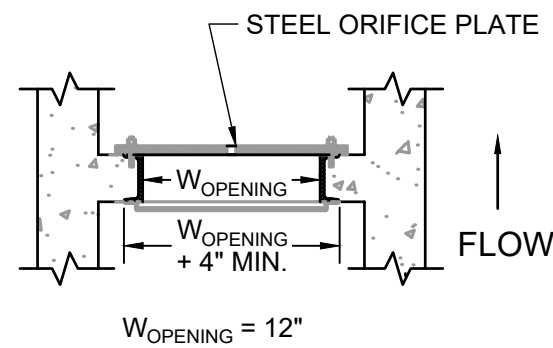
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NOTE: EXTENDED BASE
NOT SHOWN FOR CLARITY

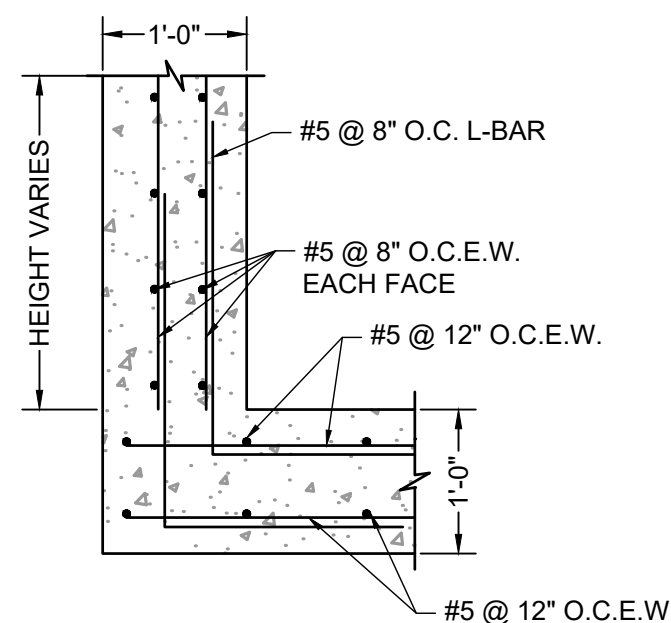
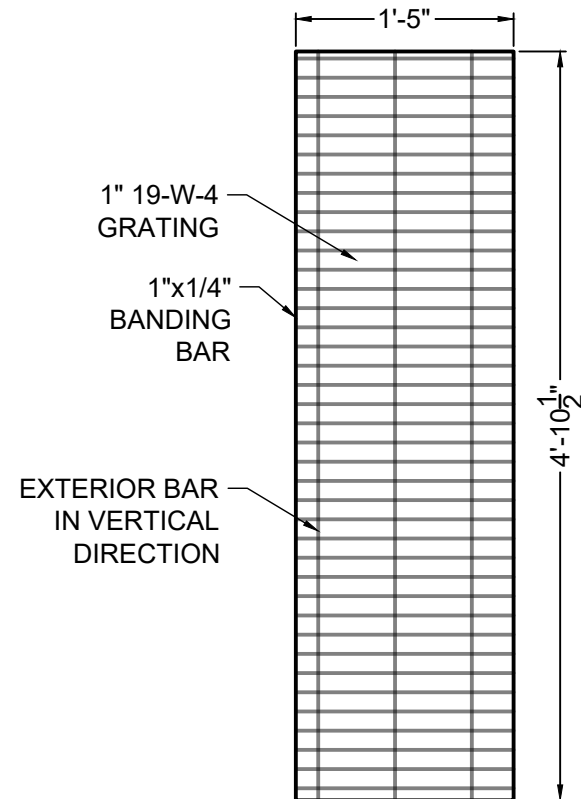
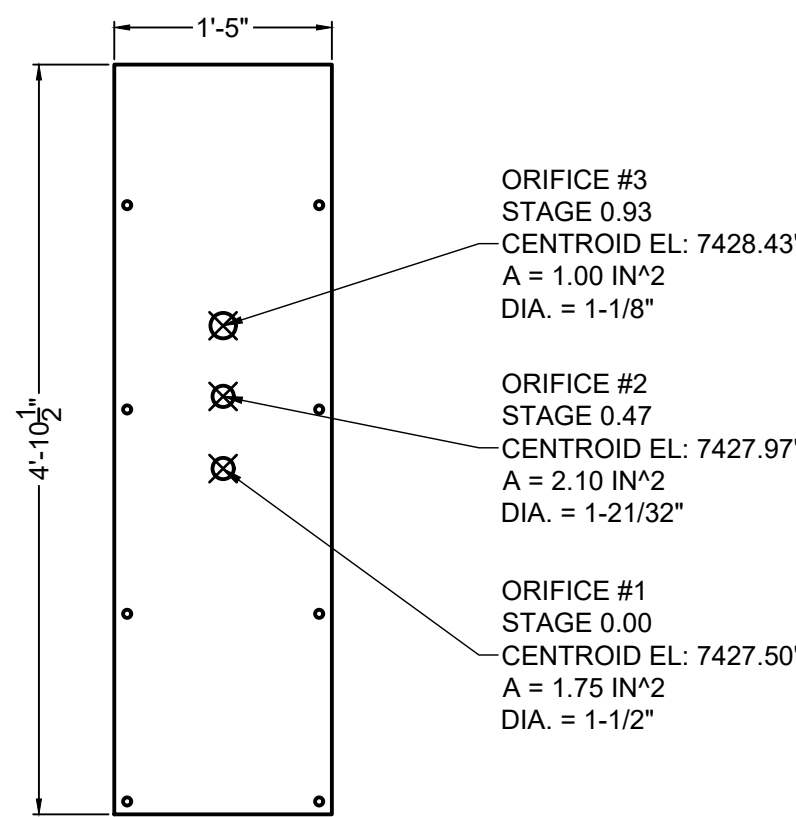
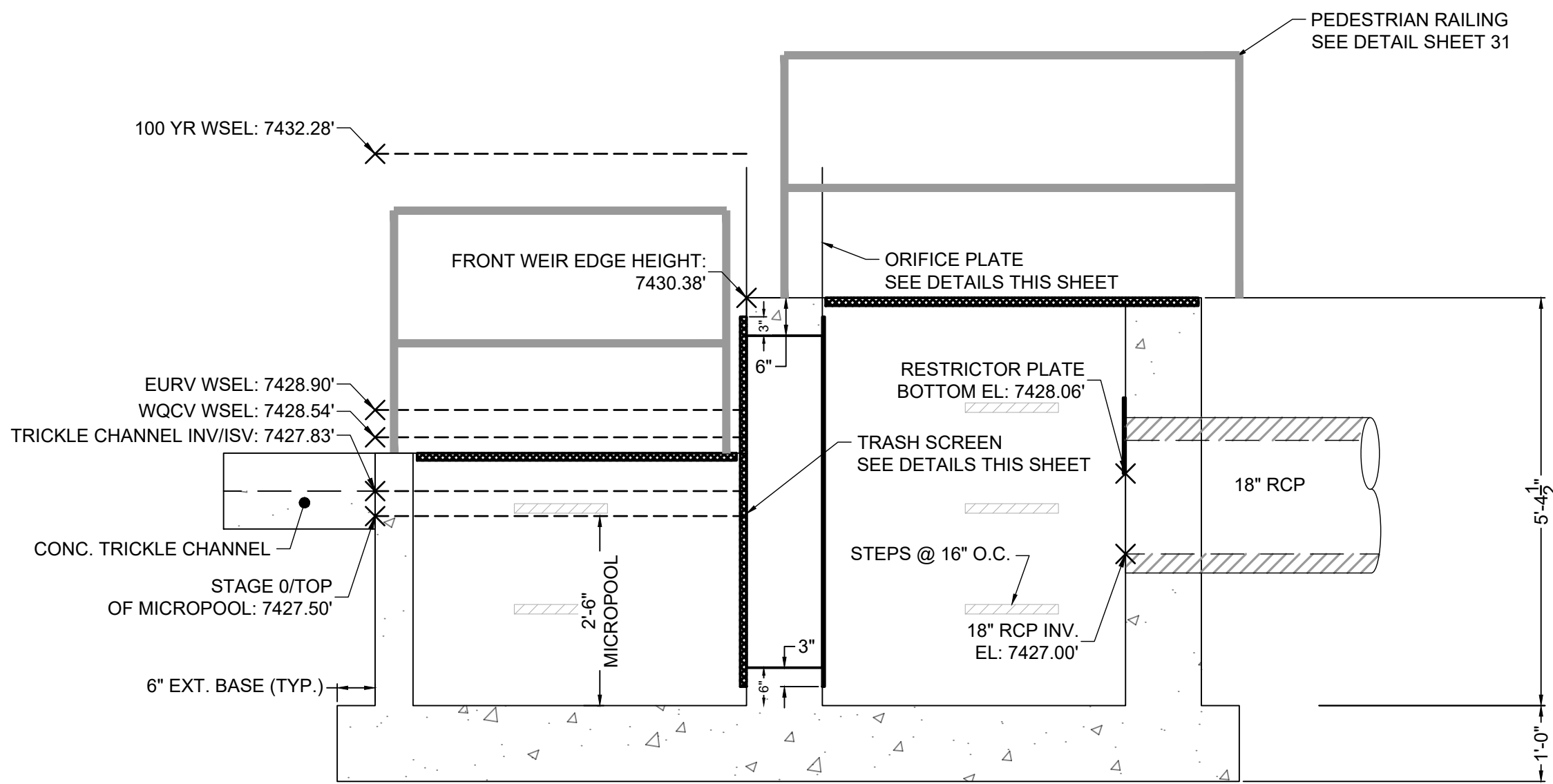


TRASH SCREEN NOTES:

- TRASH SCREEN SHALL BE CONSTRUCTED OF 1" THICK 19-W-4 GRATING WITH 1"x1/4" BANDING BAR ON EACH SIDE AND GALVANIZED, MANUFACTURED WITH EXTERIOR BARS IN THE VERTICAL ORIENTATION, OR APPROVED EQUIVALENT AND SHALL BE ATTACHED BY INTERMITTENT WELDS ALONG THE EDGE OF THE MOUNTING FRAME.
- 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).
- STRUCTURAL DESIGN OF TRASH RACKS SHALL BE BASED ON FULL HYDROSTATIC HEAD WITH ZERO HEAD DOWNSTREAM OF THE RACK.
- CONTRACTOR SHALL SUBMIT SHOP DRAWINGS FOR TRASH SCREEN FOR ENGINEER'S APPROVAL PRIOR TO CONSTRUCTION.

ORIFICE PLATE NOTES:

- PLATE TO BE 3/8" THICK GALVANIZED STEEL.
- BOLT PLATE TO CONCRETE 16" O.C. MAX.
- PROVIDE CONTINUOUS NEOPRENE GASKET MATERIAL BETWEEN THE ORIFICE PLATE AND CONCRETE.
- CONTRACTOR SHALL SUBMIT SHOP DRAWINGS FOR ORIFICE PLATE FOR ENGINEER'S APPROVAL PRIOR TO CONSTRUCTION.
- ORIFICE PLATE GASKET SHALL BE MADE OF 1/4-INCH THICK, 60 DUROMETER EPDM RUBBER IN A CONTINUOUS SHEET THE SIZE OF THE ORIFICE PLATE. THE SHEET SHALL BE PLACED BETWEEN THE ORIFICE PLATE AND CONCRETE WALL, WITH THE WIDTH OF THE OVERLAP BETWEEN THE PLATE AND THE CONCRETE. OPENINGS SHALL BE CUT INTO THE SHEET CORRESPONDING TO THE PLATE BOLT HOLES AND THE CONCRETE WALL OPENING. CUTS MADE EITHER BY THE CONTRACTOR IN THE FIELD OR BY THE MANUFACTURER. (OR EQUIVALENT GASKET APPROVED BY EPC).



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1975 RESEARCH PARKWAY SUITE 230
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EL PASO COUNTY, CO

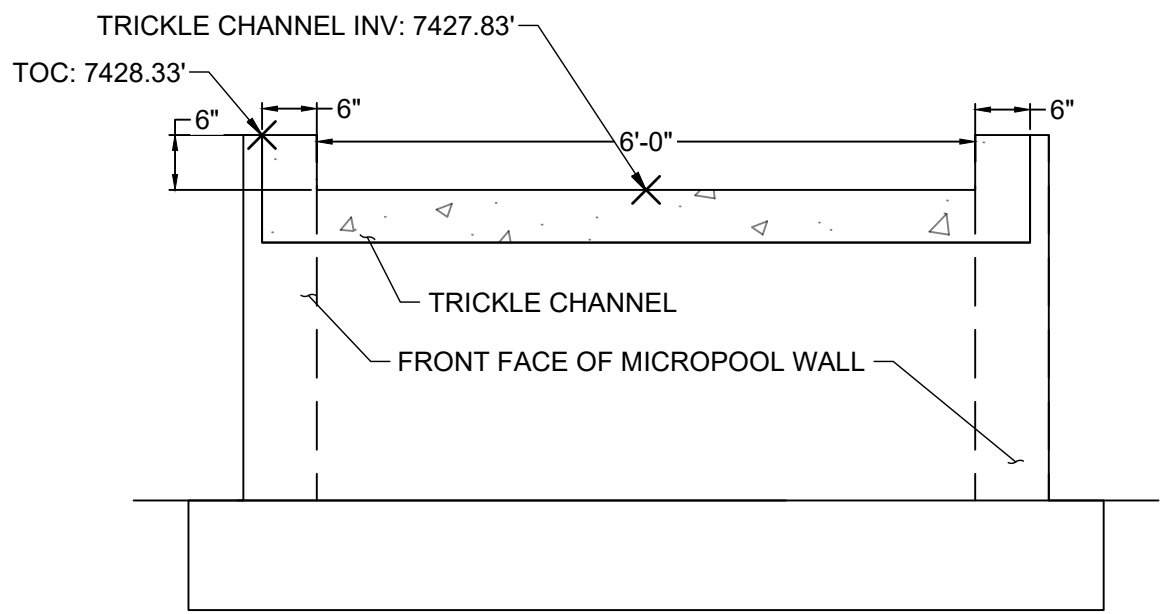
POND DETAILS
POND F2 OUTLET STRUCTURE

SHEET
PND

30

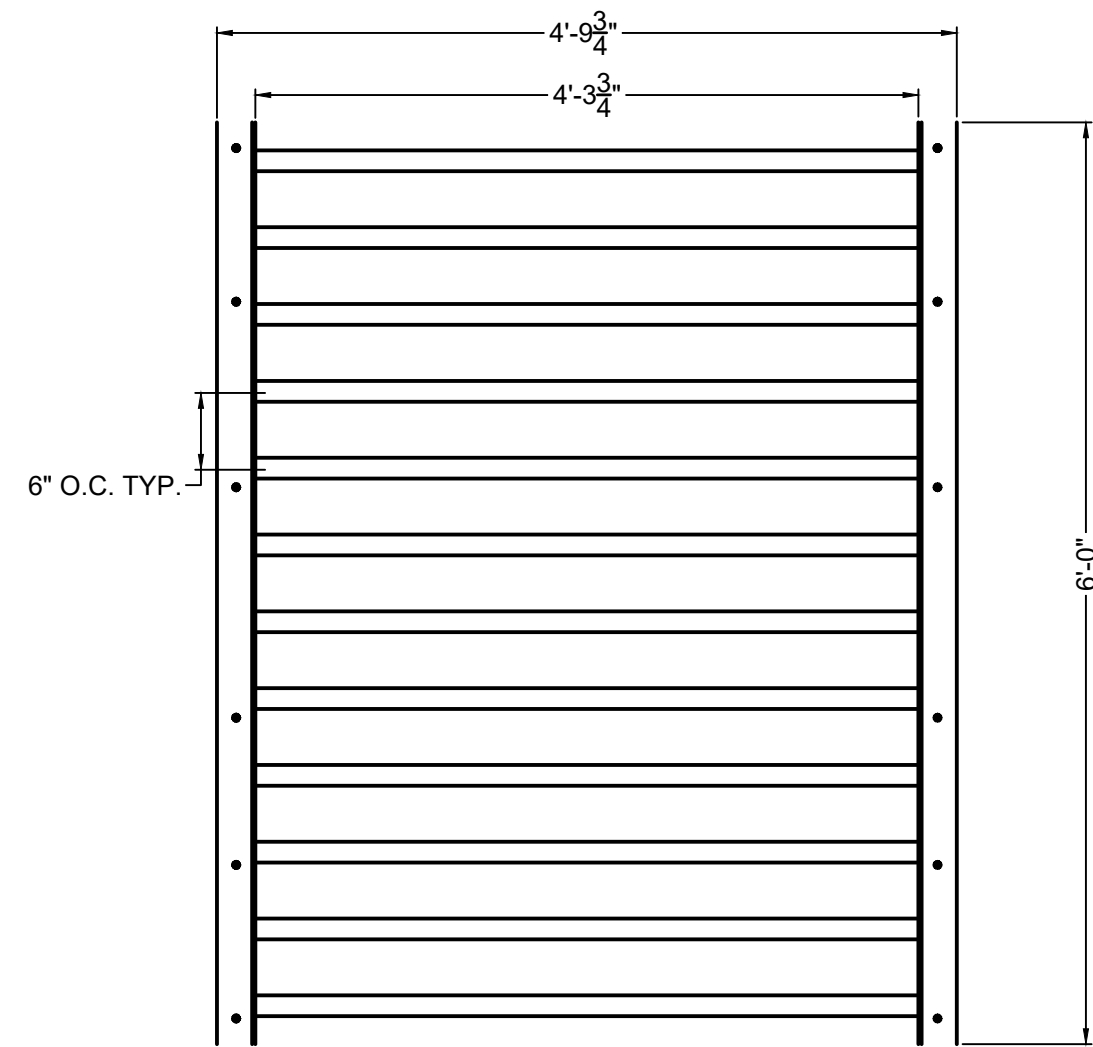


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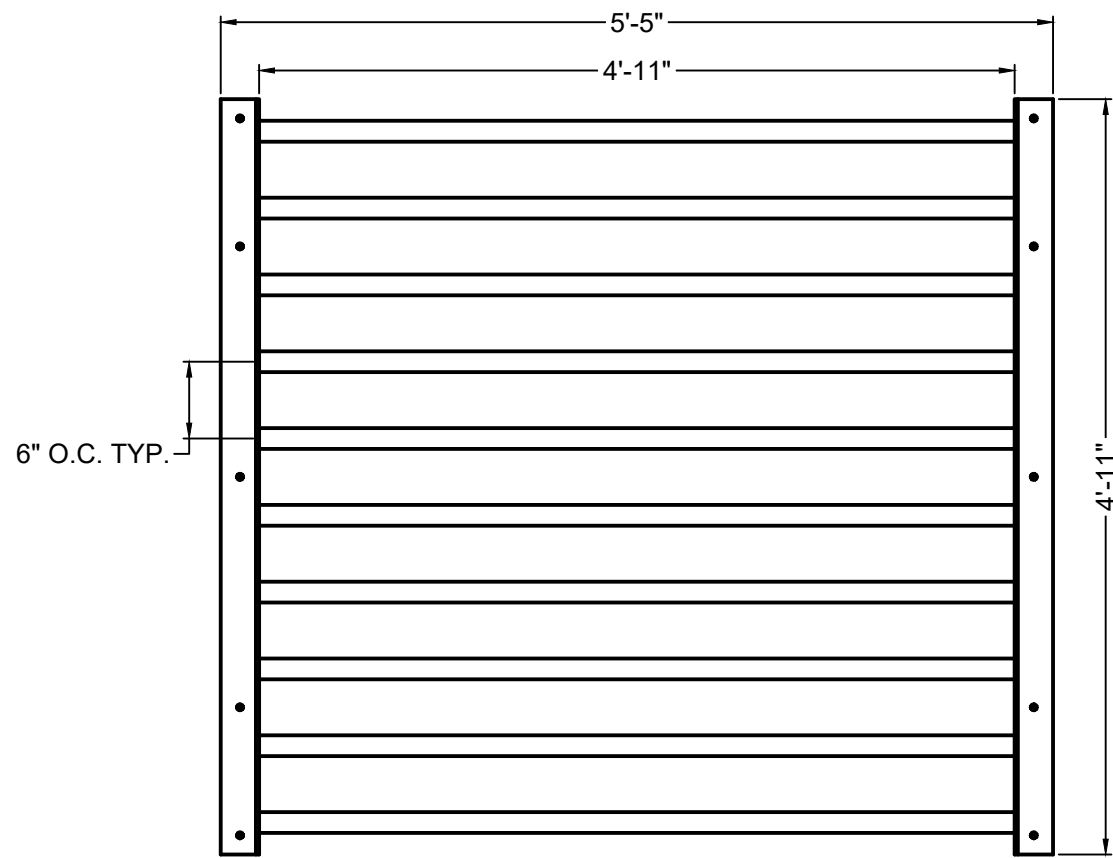
SECTION VIEW B-B
FRONT FACE

SCALE: 1" = 1-1/4'



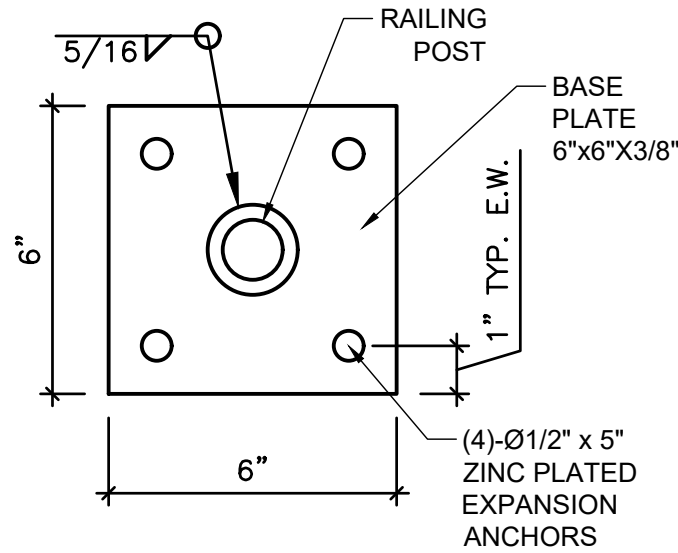
ELEVATION VIEW
MICROPOOL TOP GRATE

SCALE: 1" = 1-1/4'



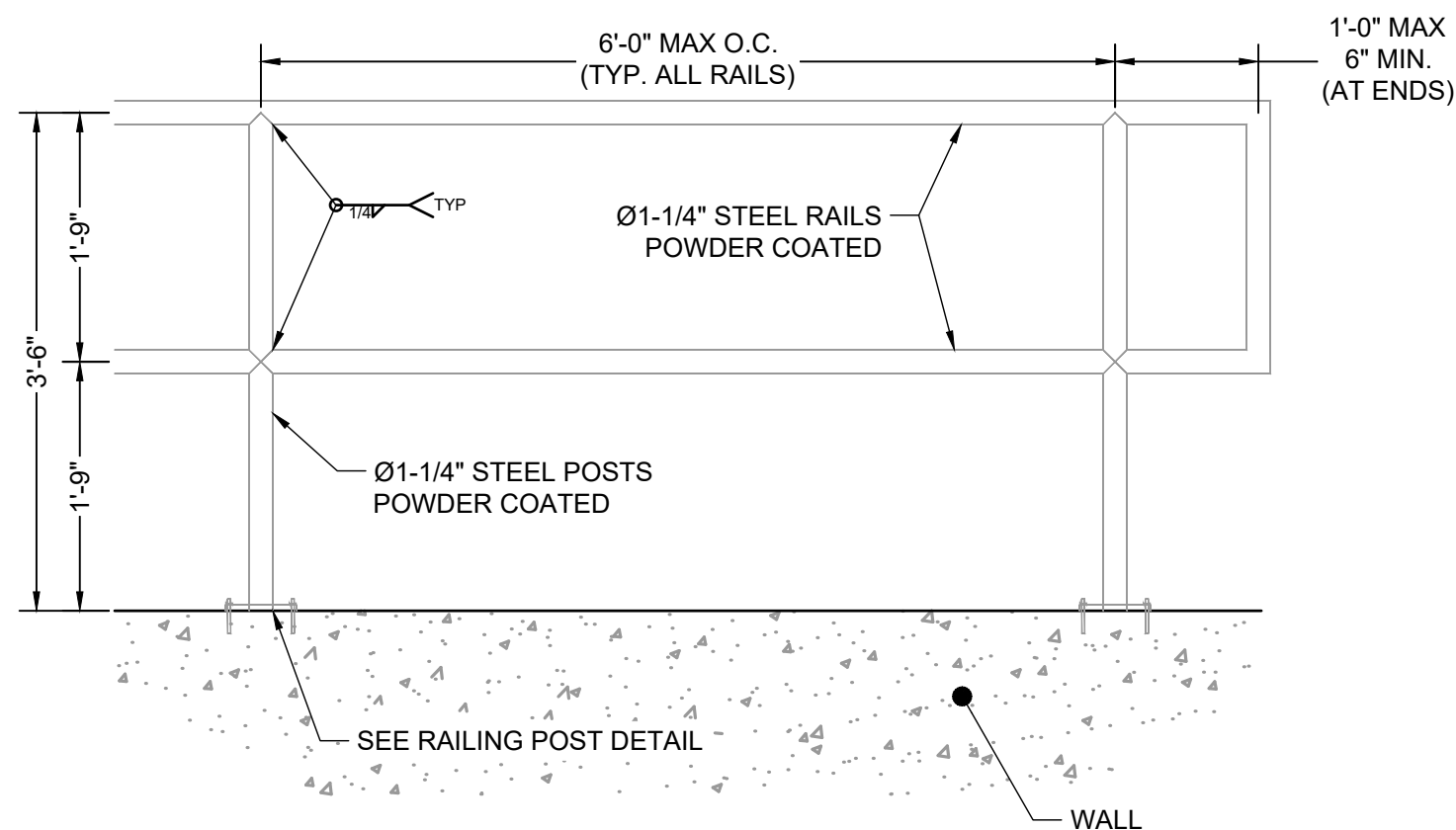
PLAN VIEW
SAFETY GRATE

SCALE: 1" = 1-1/4'



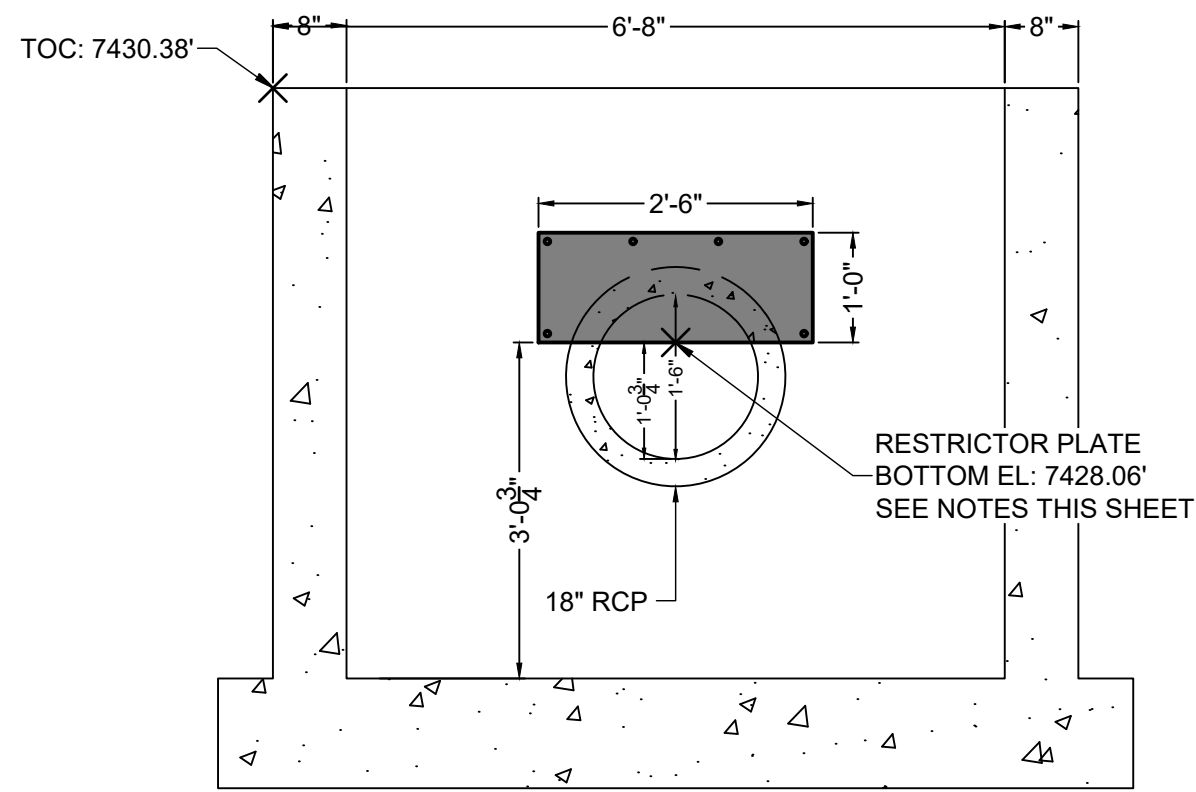
DETAIL VIEW
PEDESTRIAN RAILING POST

SCALE: 3/4" = 1'



DETAIL VIEW
PEDESTRIAN RAILING

SCALE: 3/4" = 1'



SECTION VIEW C-C
RESTRICTOR PLATE

SCALE: 1" = 1-3/4'

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.

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.