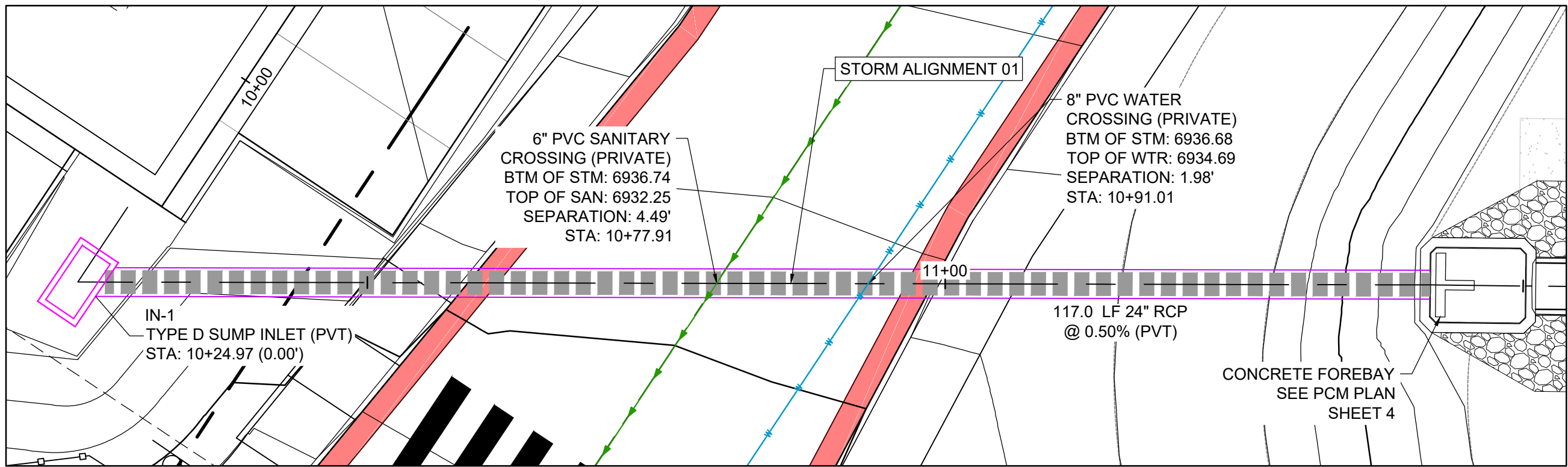
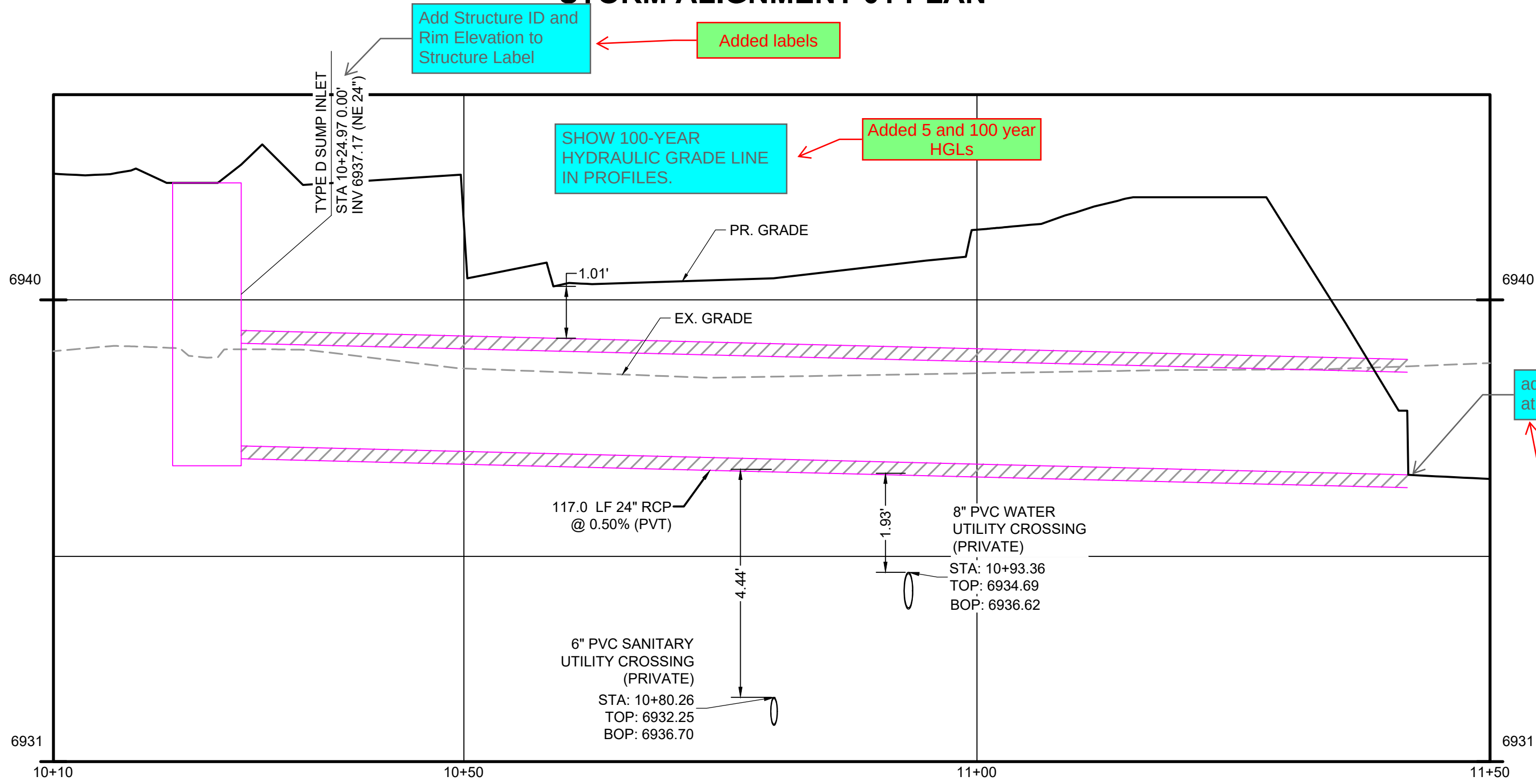


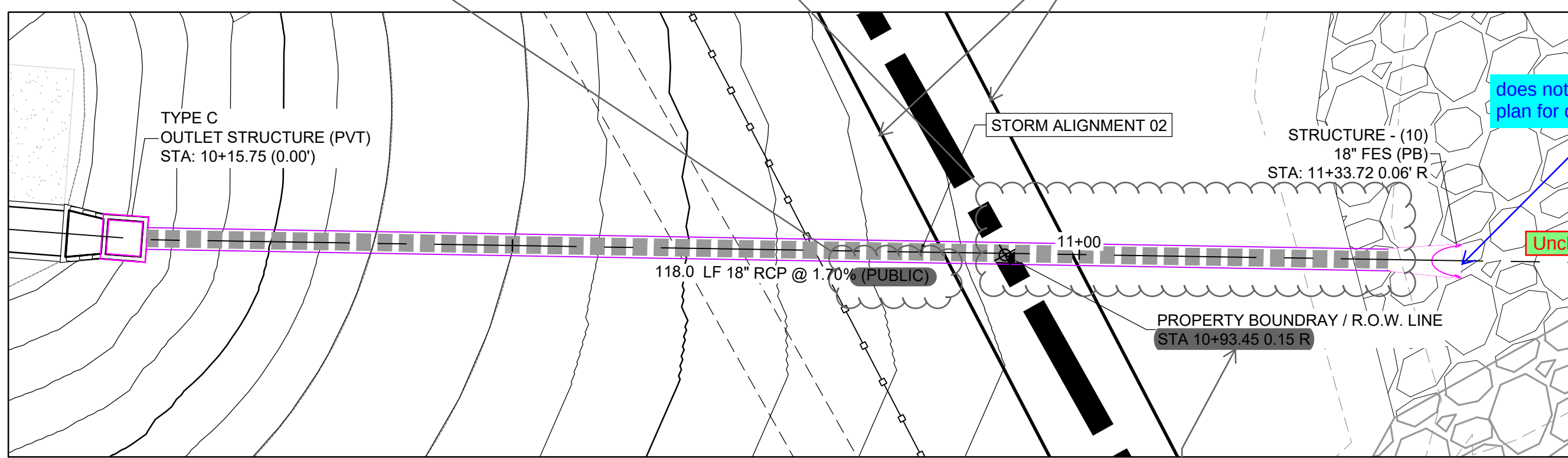




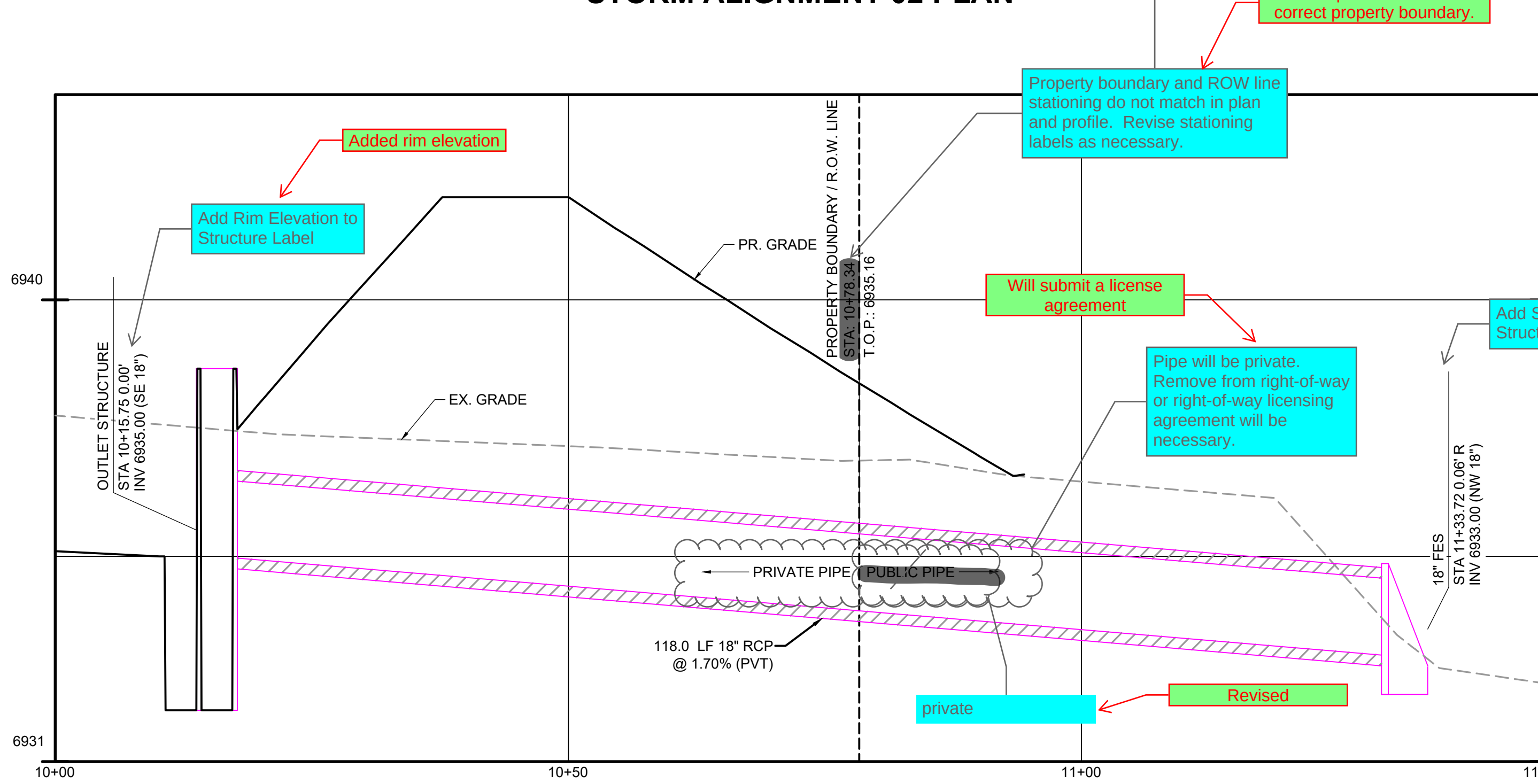
STORM ALIGNMENT 01 PLAN



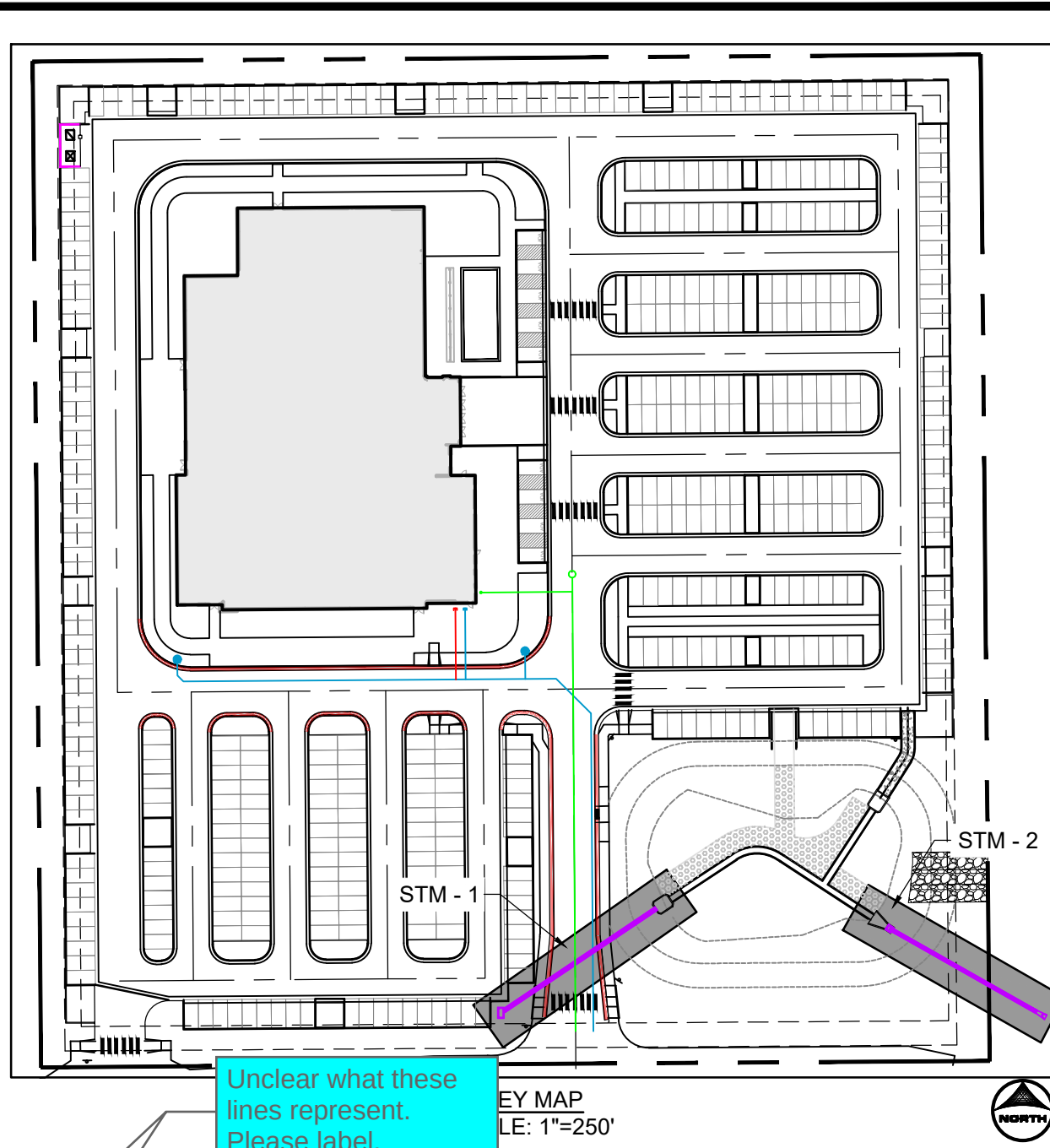
STORM ALIGNMENT 01 PROFILE



STORM ALIGNMENT 02 PLAN



STORM ALIGNMENT 02 PROFILE



Revised

private

Will submit a license agreement.

Move pipe into property or extend a drainage maintenance easement

Unclear what these lines represent. Please label.

Labeled as existing dirt trail

does not match GEC plan for outfall

Unclear what does not match.

Modified profile to match the correct property boundary.

Property boundary and ROW line stationing do not match in plan and profile. Revise stationing labels as necessary.

Added rim elevation

Add Rim Elevation to Structure Label

Added ID

Add Structure ID to Structure Label

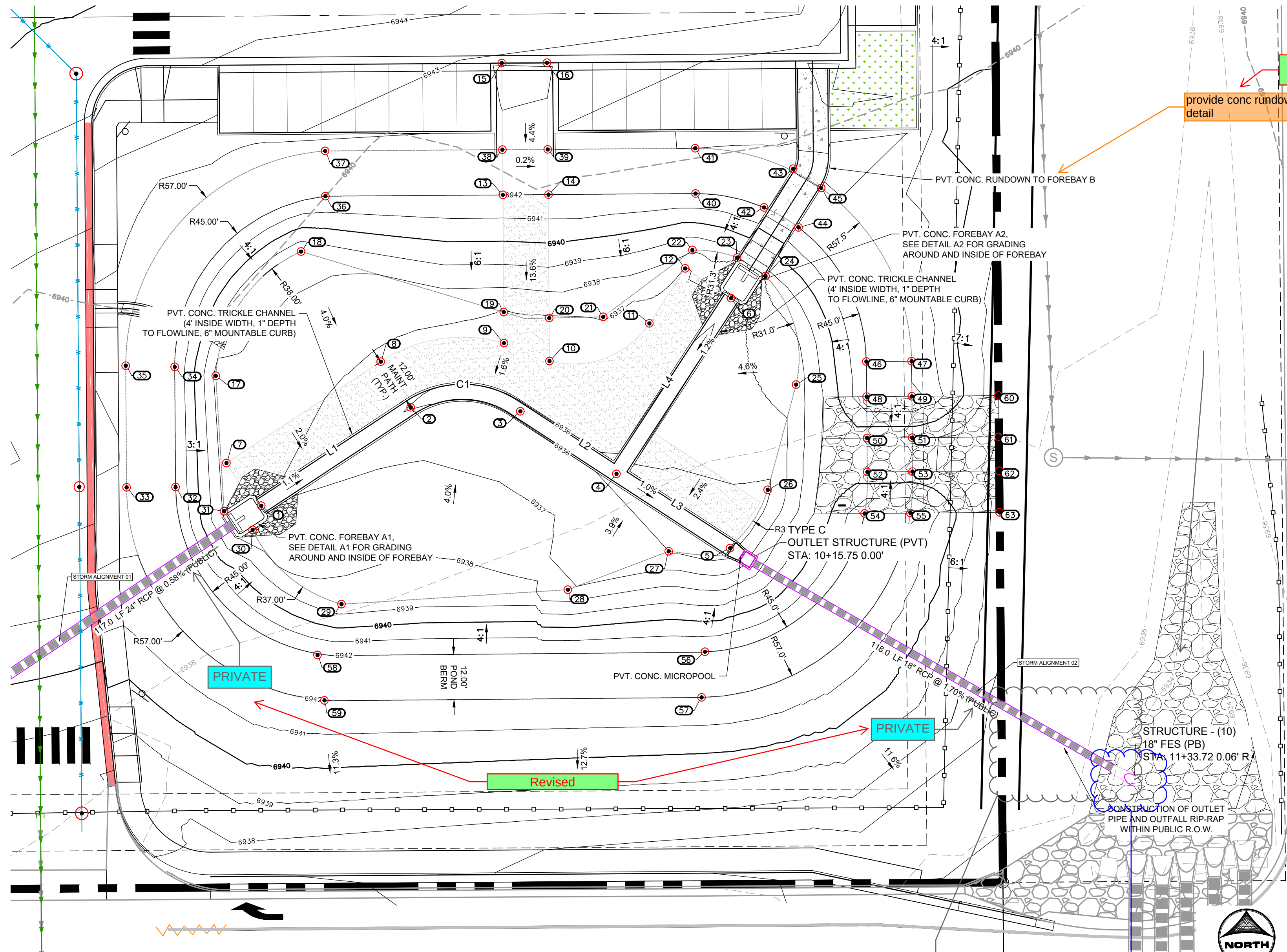
Will submit a license agreement

Pipe will be private. Remove from right-of-way or right-of-way licensing agreement will be necessary.

private

Revised

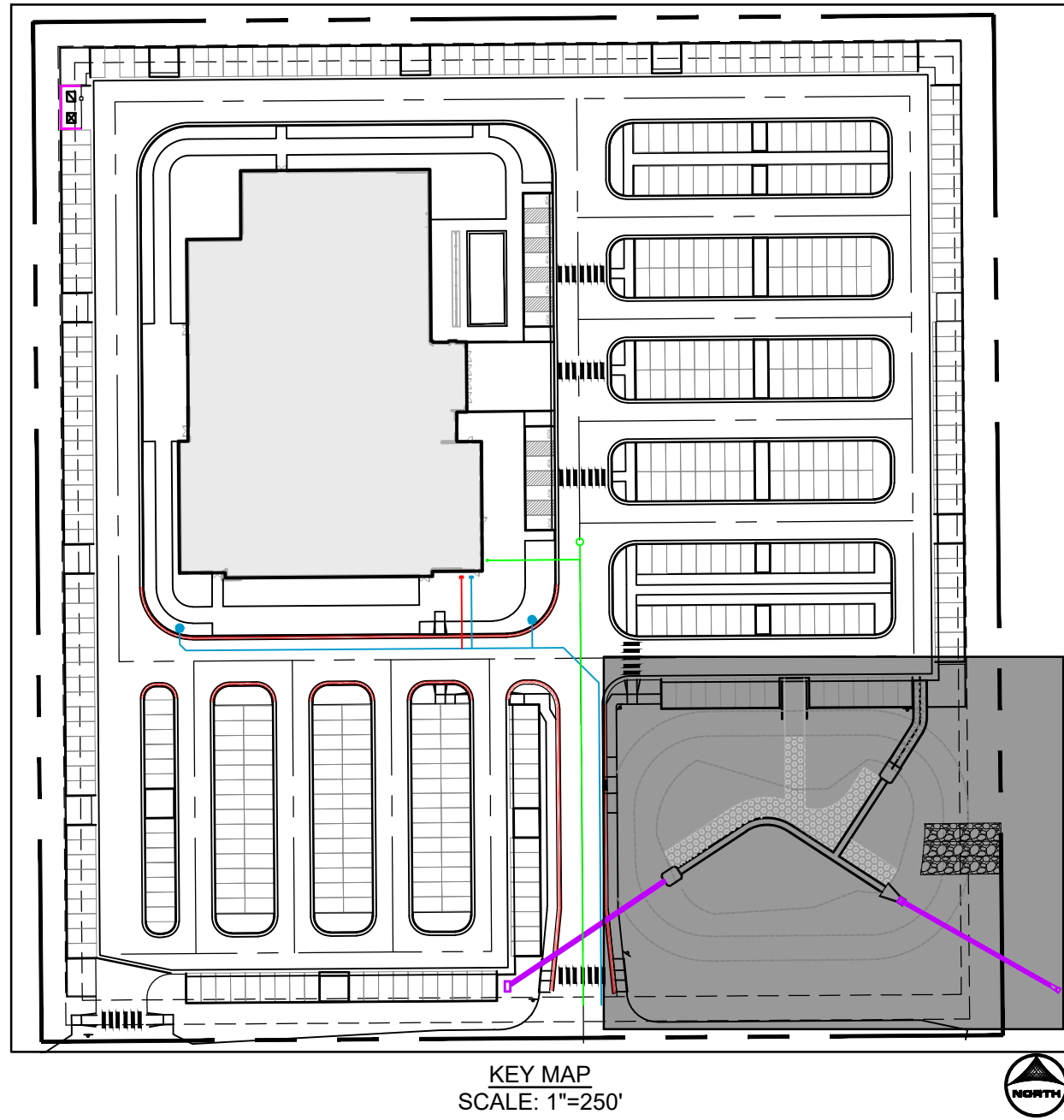
ADD THE FOLLOWING INFORMATION TO OUTFALL LABEL:
RIPRAP APRON (LENGTH, DEPTH, TYPE, D50)
Q100 WATER SURFACE ELEVATION DOWNSTREAM OF OUTFALL.
SHOW 200 FEET DOWNSTREAM OF OUTFALL IN PROFILE AND Q100 WATER SURFACE ELEVATIOND DOWNSTREAM OF OUTFALL.



TRICKLE CHANNEL SEGMENT TABLE					
LINE/CURVE NO.	LENGTH (FT)	DIRECTION/DELTA	RADIUS (FT)	START N/E	END N/E
C1	29.00	66.45	25.00	N: 1408028.58 E: 3253492.89	N: 1408028.64 E: 3253520.29
L1	47.49	N56°39'33.39"E		N: 1408002.48 E: 3253453.21	N: 1408028.58 E: 3253492.89
L2	32.46	S56°53'13.65"E		N: 1408028.64 E: 3253520.29	N: 1408010.91 E: 3253547.47
L3	36.02	S56°53'13.65"E		N: 1408010.91 E: 3253547.47	N: 1407991.23 E: 3253577.64
L4	55.67	N33°06'46.35"E		N: 1408010.91 E: 3253547.47	N: 1408057.54 E: 3253577.88

POINT TABLE			
No.	DESC.	NORTHING & EASTING	ELEV
1	TC FL	N: 1408002.48 E: 3253453.21	6936.50
2	TC FL	N: 1408028.58 E: 3253492.89	6935.97
3	TC FL	N: 1408027.53 E: 3253521.98	6935.66
4	TC FL	N: 1408010.91 E: 3253547.47	6935.36
5	TC FL	N: 1407991.23 E: 3253577.64	6935.00
6	TC FL	N: 1408057.54 E: 3253577.88	6936.10
7	MAINT PATH	N: 1408013.77 E: 3253444.00	6937.37
8	MAINT PATH	N: 1408040.70 E: 3253484.92	6936.80
9	MAINT PATH	N: 1408045.63 E: 3253517.64	6936.54
10	MAINT PATH	N: 1408040.85 E: 3253529.79	6936.45
11	MAINT PATH	N: 1408050.87 E: 3253556.22	6936.71
12	MAINT PATH	N: 1408065.46 E: 3253565.74	6936.92
13	MAINT PATH	N: 1408084.95 E: 3253517.33	6942.00
14	MAINT PATH	N: 1408085.03 E: 3253529.43	6942.00
15	MAINT PATH	N: 1408119.91 E: 3253517.03	6942.80
16	MAINT PATH	N: 1408120.01 E: 3253529.03	6942.62
17	BTM POND	N: 1408036.95 E: 3253441.15	6937.77
18	BTM POND	N: 1408069.93 E: 3253463.77	6938.26
19	BTM POND	N: 1408053.84 E: 3253517.59	6936.93
20	BTM POND	N: 1408052.28 E: 3253529.63	6936.89
21	BTM POND	N: 1408052.98 E: 3253543.98	6937.04
22	BTM POND	N: 1408070.33 E: 3253567.64	6938.11
23	BTM POND	N: 1408068.31 E: 3253579.50	6938.62
24	BTM POND	N: 1408063.41 E: 3253587.05	6938.64
25	BTM POND	N: 1408034.62 E: 3253595.16	6937.55
26	BTM POND	N: 1408006.70 E: 3253587.62	6935.82
27	BTM POND	N: 1407990.39 E: 3253561.33	6936.00
28	BTM POND	N: 1407980.20 E: 3253534.58	6937.09
29	BTM POND	N: 1407976.34 E: 3253474.52	6938.28
30	BTM POND	N: 1407996.06 E: 3253450.92	6937.83
31	BTM POND	N: 1408001.03 E: 3253443.36	6937.86
32	TOP POND	N: 1408007.43 E: 3253430.48	6942.00
33	TOP POND	N: 1408007.34 E: 3253417.48	6942.00
34	TOP POND	N: 1408039.31 E: 3253430.25	6942.00
35	TOP POND	N: 1408039.63 E: 3253417.24	6942.00

POINT TABLE			
No.	DESC.	NORTHING & EASTING	ELEV
36	TOP POND	N: 1408084.60 E: 3253470.24	6942.00
37	TOP POND	N: 1408096.60 E: 3253470.16	6942.00
38	TOP POND	N: 1408096.95 E: 3253517.23	6942.55
39	TOP POND	N: 1408097.03 E: 3253529.23	6942.51
40	TOP POND	N: 1408085.32 E: 3253568.46	6942.00
41	TOP POND	N: 1408097.32 E: 3253568.37	6942.00
42	TOP POND	N: 1408081.63 E: 3253586.63	6942.00
43	TOP POND	N: 1408091.90 E: 3253594.37	6942.53
44	TOP POND	N: 1408076.31 E: 3253595.80	6942.00
45	TOP POND	N: 1408086.79 E: 3253601.79	6941.84
46	TOP POND	N: 1408040.72 E: 3253613.79	6942.00
47	TOP POND	N: 1408040.83 E: 3253625.79	6942.00
48	TOP SPILL	N: 1408031.42 E: 3253613.87	6942.00
49	TOP SPILL	N: 1408031.53 E: 3253625.87	6942.00
50	CREST	N: 1408020.42 E: 3253613.97	6939.25
51	CREST	N: 1408020.53 E: 3253625.97	6939.25
52	CREST	N: 1408011.42 E: 3253614.05	6939.25
53	CREST	N: 1408011.53 E: 3253626.05	6939.25
54	TOP SPILL	N: 1408000.41 E: 3253613.32	6942.00
55	TOP SPILL	N: 1408000.52 E: 3253625.50	6942.00
56	TOP POND	N: 1407963.71 E: 3253570.97	6942.00
57	TOP POND	N: 1407951.63 E: 3253570.06	6942.00
58	TOP POND	N: 1407962.85 E: 3253468.14	6942.00
59	TOP POND	N: 1407950.81 E: 3253469.98	6941.99
60	TOP SPILL	N: 1408031.73 E: 3253648.87	6938.26
61	CREST	N: 1408020.73 E: 3253648.93	6937.99
62	CREST	N: 1408011.73 E: 3253649.05	6937.75
63	TOP SPILL	N: 1408000.75 E: 3253649.12	6937.48



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.

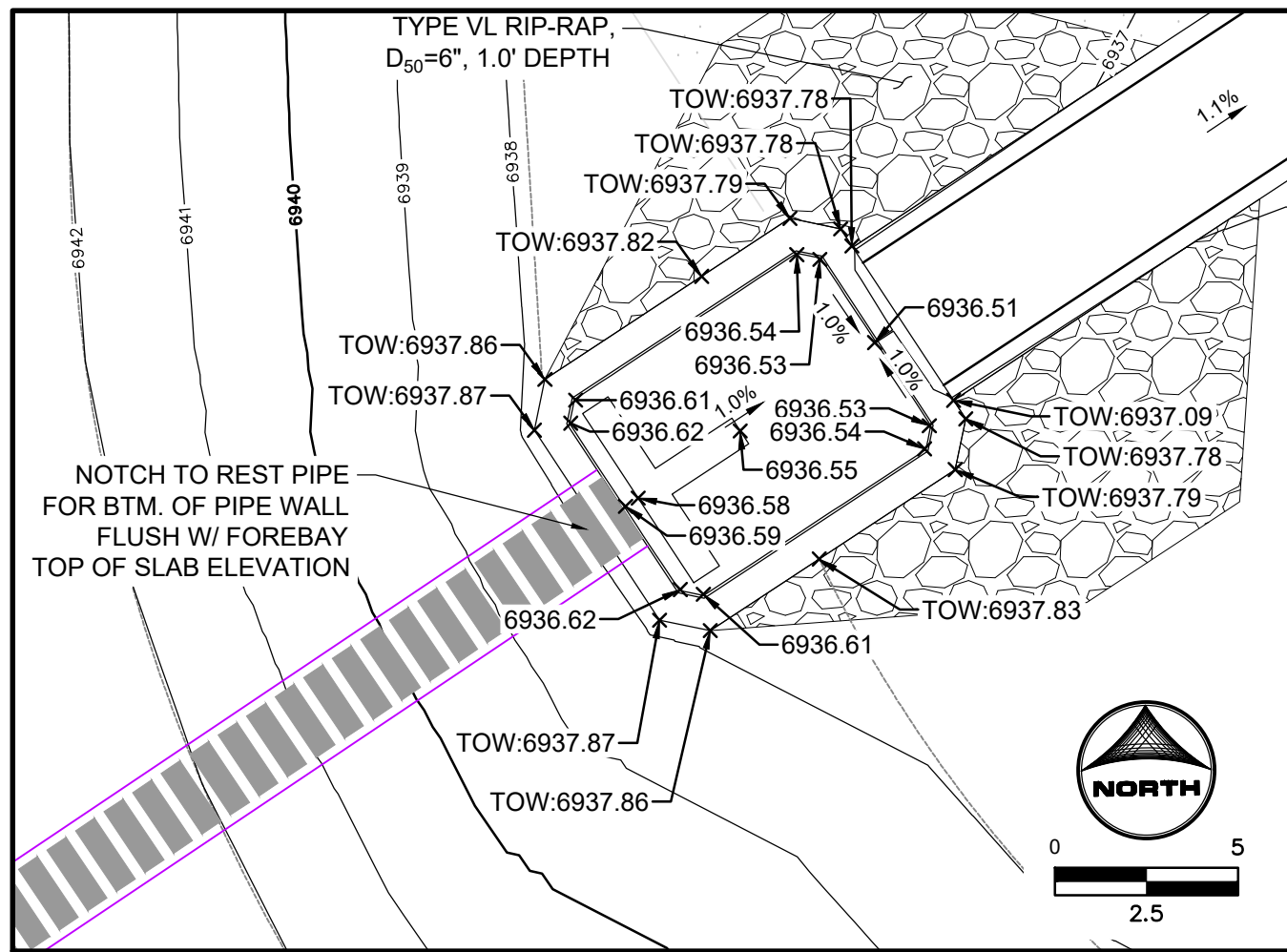
ABBREVIATIONS:

TOW ~ TOP OF WALL
BTM POND ~ BOTTOM OF POND
FL ~ FLOWLINE
TC ~ TRICKLE CHANNEL
TOP POND ~ TOP OF POND / BERM ELEVATION
SPILL ~ SPILLWAY
MAINT. ~ MAINTENANCE

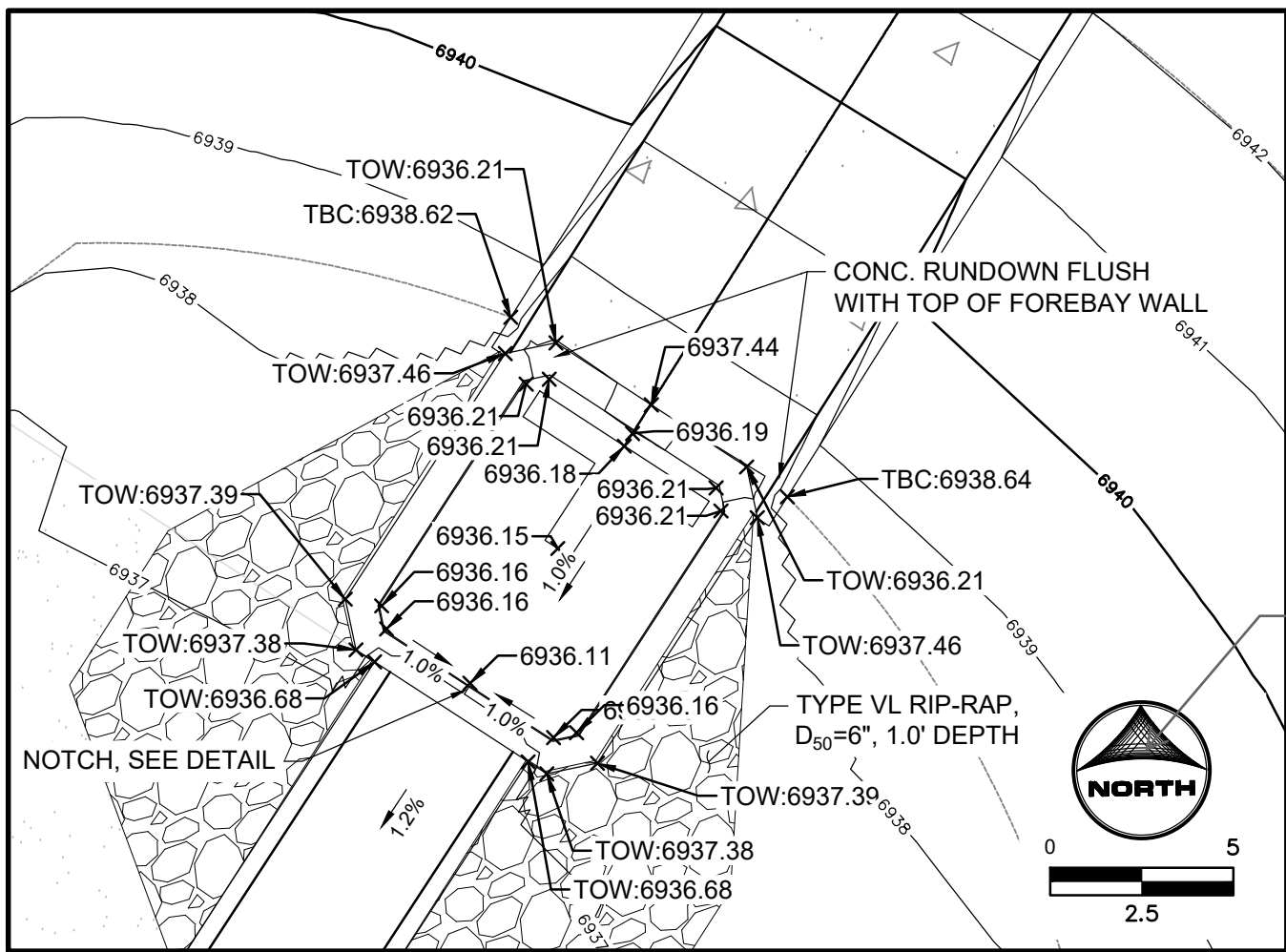
Update. Private and I'm assuming maintained by the owner?

Apologies for the error. Correct. Private and maintained by property owner.

DETAIL A1 (FOREBAY A1)

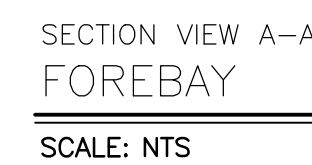
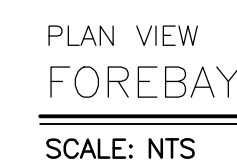


DETAIL A2 (FOREBAY A2)



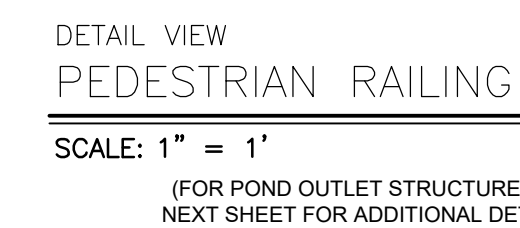
adjust north arrow

North arrow is accurate

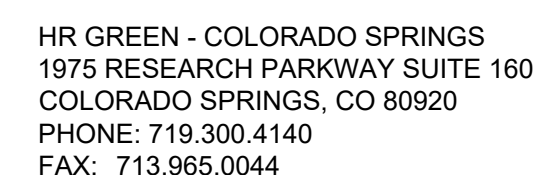


Minimum Sign Area: 3 sqft

Add standard County design details for ped ramps

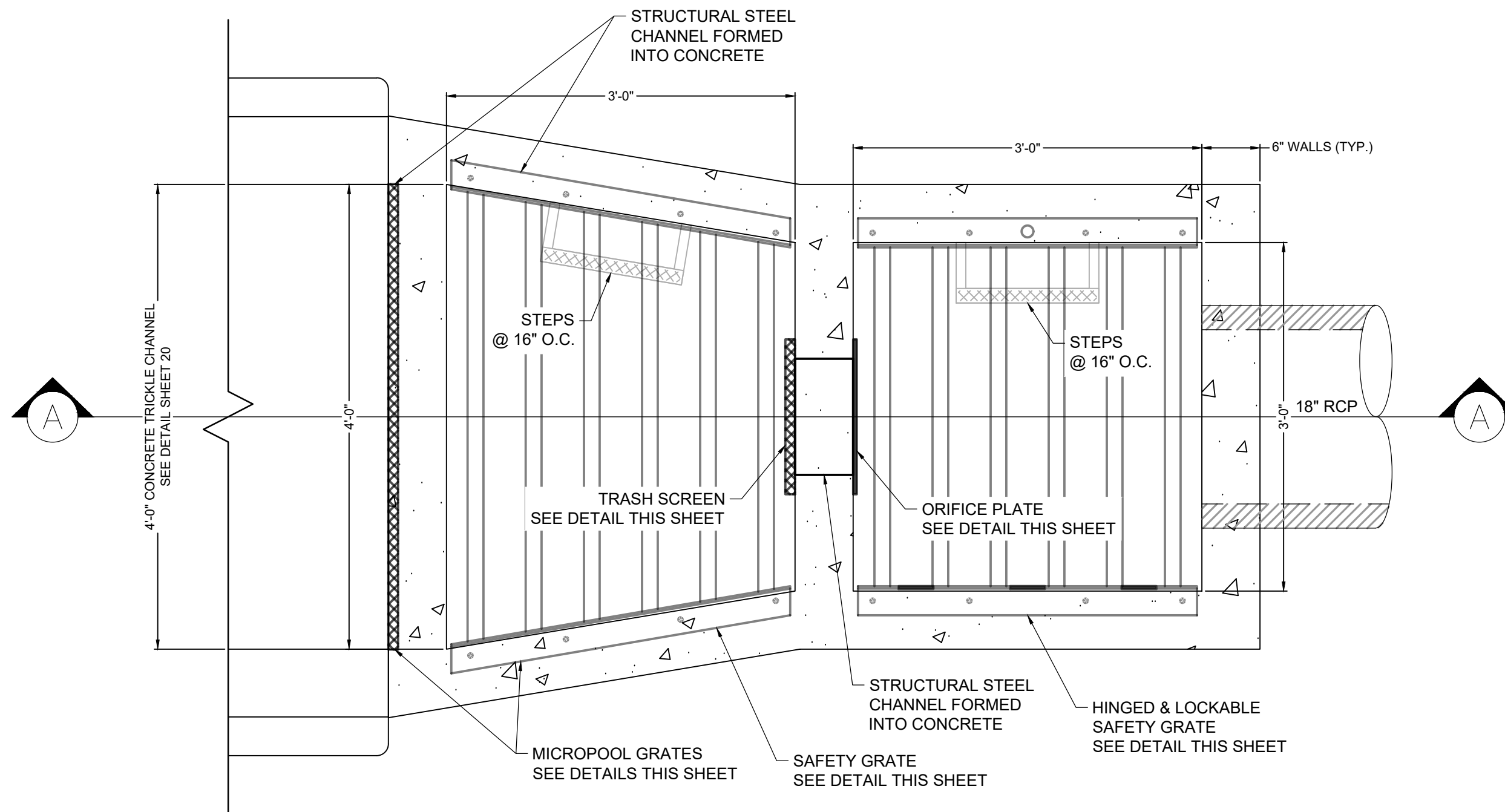


NO.	DATE	BY	REVISION DESCRIPTION



CONSTRUCTION DRAWINGS

POND INFRASTRUCTURE DETAILS



PLAN VIEW
POND OUTLET STRUCTURE
SCALE: 1"=1'



Added requested specifications

1. TRASH SCREEN SHALL BE JOHNSON STAINLESS STEEL WELL SCREEN WITH #93 VEE WIRE 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.

1. PLATE TO BE $\frac{3}{8}$ " 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. 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.
6. 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.
7. STEEL GRATES SHALL BE HOT DIP GALVANIZED AND MAY BE HOT POWDER COATED AFTER GALVANIZING.
8. STRUCTURAL STEEL FOR GRATES SHALL BE GALVANIZED AND SHALL BE IN ACCORDANCE WITH CDOT STANDARD SPECIFICATIONS, SUBSECTION 712.06.
9. CONTRACTOR SHALL SUBMIT SHOP DRAWINGS FOR GRATING FOR ENGINEER'S APPROVAL PRIOR TO CONSTRUCTION.

1. 3/8" THICK RESTRICTOR PLATE, GALVANIZED STEEL.
2. BOLT PLATE TO CONCRETE @ 12" O.C. MAX.
3. PROVIDE CONTINUOUS NEOPRENE GASKET MATERIAL BETWEEN PLATE AND CONCRETE.
5. CONTRACTOR SHALL SUBMIT SHOP DRAWINGS FOR RESTRICTOR PLATE FOR ENGINEER'S APPROVAL PRIOR TO CONSTRUCTION.



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

CHURCH AT BENT GRASS MEADOWS
FAL REALTY, LLC.
EL PASO COUNTY, CO

CONSTRUCTION DRAWINGS

OUTLET STRUCTURE DETAILS

PCD FILE NO.: SF268

SHEET
PCM

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