

EASTONVILLE ROAD FROM LONDONDERRY DRIVE TO REX ROAD SEGMENT 1 IMPROVEMENTS STATIONING 14+19.69 - 47+66.51

LOCATED IN A PORTION OF SECTION 28, TOWNSHIP 12 SOUTH, RANGE 64 WEST OF THE 6TH PRINCIPAL MERIDIAN

COUNTY OF EL PASO, STATE OF COLORADO

JANUARY 2025

OWNER/DEVELOPER

MELODY HOMES INC. (D.R. HORTON)
9655 S. KINGSTON CT.
SUITE 200
CONTACT: RILEY HILLEN, P.E.
EMAIL: RHILLEN@DRHORTON.COM

CIVIL ENGINEER

HR GREEN DEVELOPMENT, LLC
1975 RESEARCH PARKWAY SUITE 160
COLORADO SPRINGS, CO 80920
TELE: (719) 394-2433
CONTACT: COLLEEN MONAHAN
EMAIL: CMONAHAN@HRGREEN.COM

EL PASO COUNTY - ENGINEERING REVIEW

PLANNING AND DEVELOPMENT
2880 INTERNATIONAL CIRCLE, SUITE 110
COLORADO SPRINGS, CO 80910
TELE: (719) 520-6300
CONTACT: JEFF RICE, P.E. (719) 520-6300
EMAIL: JEFFRICE@ELPASOCO.COM

TRAFFIC ENGINEERING

EL PASO COUNTY DEPARTMENT OF PUBLIC WORKS
3275 AKERS DRIVE
COLORADO SPRINGS, CO 80922
TELE: (719) 520-6480
CONTACT: JOSHUA PALMER
EMAIL: JOSHUA.PALMER@ELPASOCO.COM

APPLICANT

HR GREEN DEVELOPMENT, LLC
1975 RESEARCH PARKWAY SUITE 230
COLORADO SPRINGS, CO 80920
TELE: (719) 394-2433
CONTACT: COLLEEN MONAHAN, P.E.
EMAIL: CMONAHAN@HRGREEN.COM

LANDSCAPE ARCHITECT

HR GREEN DEVELOPMENT, LLC
1975 RESEARCH PARKWAY SUITE 230
COLORADO SPRINGS, CO 80920
TELE: (720) 602-4941
CONTACT: BLAINE PERKINS
EMAIL: BLAINE.PERKINS@HRGREEN.COM

SURVEYOR

EDWARD-JAMES SURVEYING, INC.
1005 ELKTON DRIVE
COLORADO SPRINGS, CO 80907
CONTACT: ED FISHER
TELE: 719-576-1216

TRAFFIC ENGINEER

LSC TRANSPORTATION CONSULTANTS, INC.
545 EAST PIKES PEAK AVENUE, SUITE 210
COLORADO SPRINGS, CO 80903
TELE: (719) 633-2669
CONTACT: JEFF HOODSON
EMAIL: JEFF@LSCTRANS.COM

GEOTECHNICAL ENGINEER

CTL THOMPSON INC.
5170 MARK DABLING BLVD
COLORADO SPRINGS, CO 80918
TELE: (719) 528-8300
CONTACT: JEFFREY M. JONES P.E.

WATER & WASTE WATER

GRANDVIEW RESERVE METROPOLITAN DISTRICT
1272 KELLY JOHNSON BLVD SUITE100
(719) 499-8416
CONTACT: PAUL HOWARD
EMAIL: PAULINFINTY@MSN.COM

ELECTRIC

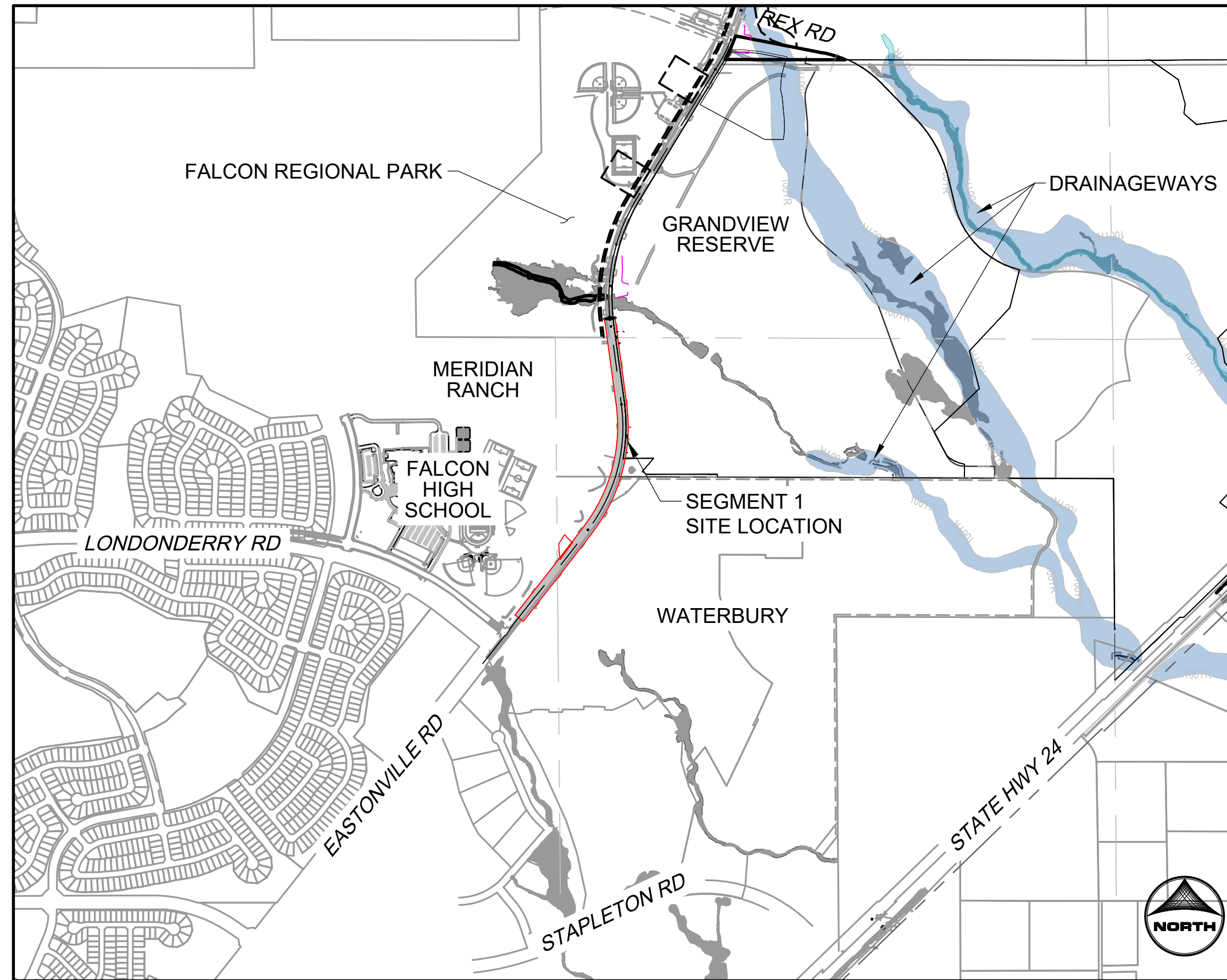
MOUNTAIN VIEW ELECTRIC ASSOCIATION, INC.
11140 E. WOODMEN RD
FALCON, CO 80831-8127
TELE: (719) 495-2283

NATURAL GAS

BLACK HILLS ENERGY
198 COUNTY LINE RD
PALMER LAKE, CO 80133
TELE: (719) 332-5856
CONTACT: BOB SWATEK
EMAIL: BOB.SWATEK@BLACKHILLSCORP.COM

FIRE DEPARTMENT

FALCON FIRE PROTECTION DISTRICT ADMINISTRATION
7030 OLD MERIDIAN RD
PENTON, CO 80831
TELE: (719) 495-4050
EMAIL: FALCONFIRE@FALCONFIREPD.ORG



VICINITY MAP
SCALE 1" = 1000'

OVERALL SHEET INDEX	
SEGMENT 1	SHEETS 1-42
SEGMENT 2	SHEETS 43-100

SHEET INDEX		
SHEET NUMBER	SHEET DESCRIPTION	SHEET TITLE
1	CS.1	COVER
2	GN.1	NOTES & LEGEND
3	GN.2	TYPICAL ROAD SECTIONS
4 - 6	RW.1 - RW.3	ROW PLANS
7 - 9	DM.1 - DM.3	DEMOLITION PLANS
10 - 13	PP.1 - PP.4	PLAN AND PROFILES
14 - 15	GEC.1 - GEC.2	GRADING AND EROSION CONTROL PLANS
16 - 17	SS.1 - SS.2	STRIPING PLANS
18 - 30	PD.1 - PD.13	POND PLANS
31 - 34	STM.1 - STM.4	STORM PLAN & PROFILES
35 - 37	DT.1 - DT.2	DETAILS
38 - 42	L.01 - L.05	LANDSCAPE PLANS

BENCHMARK

THE BENCHMARK FOR THIS TOPOGRAPHICAL MAP IS NGS MONUMENT F24, WITH A PUBLISHED ELEVATION OF 6866.33 FEET. NAV88.

BASIS OF BEARING

THE BASIS OF BEARING IS THE NORTH LINE OF SECTION 28 TOWNSHIP 12 SOUTH, RANGE 64 WEST OF THE 6TH P.M. BEING MONUMENTED AT EACH END BY A 3-1/4" ALUMINUM CAP STAMPED "PS INC LS 30087, ASSUMED TO BEAR S89°47'04", A DISTANCE OF 5,285.07 FEET.

NOTE: CONTRACTOR SHALL PROTECT ALL EXISTING SURVEY MONUMENTATION. CONTRACTOR SHALL HAVE LICENSED SURVEYOR REPLACE ANY DAMAGED OR DISTURBED MONUMENTATION AT THEIR COST.

SURVEYOR TO OBTAIN AUTOCAD FILE FROM ENGINEER AND VERIFY ALL HORIZONTAL CONTROL DIMENSIONING PRIOR TO CONSTRUCTION STAKING. SURVEYOR MUST VERIFY ALL BENCHMARK, BASIS OF BEARING AND DATUM INFORMATION TO ENSURE IMPROVEMENTS WILL BE AT THE SAME HORIZONTAL AND VERTICAL LOCATIONS SHOWN ON THE DESIGN CONSTRUCTION DRAWINGS. PRIOR TO CONSTRUCTION STAKING ANY DISCREPANCY MUST BE REPORTED TO OWNER AND ENGINEER PRIOR TO CONTINUATION OF ANY FURTHER STAKING OR CONSTRUCTION WORK.

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 ECM SECTION 1.12, THESE CONSTRUCTION DOCUMENTS WILL BE VALID FOR CONSTRUCTION FOR A PERIOD OF 2 YEARS FROM THE DATE SIGNED BY THE EL PASO COUNTY ENGINEER. IF CONSTRUCTION HAS NOT STARTED WITHIN THOSE 2 YEARS, THE PLANS WILL NEED TO BE RESUBMITTED FOR APPROVAL, INCLUDING PAYMENT OF REVIEW FEES AT THE PLANNING AND COMMUNITY DEVELOPMENT DIRECTORS DISCRETION.

JOSHUA PALMER P.E. _____ DATE _____
COUNTY ENGINEER

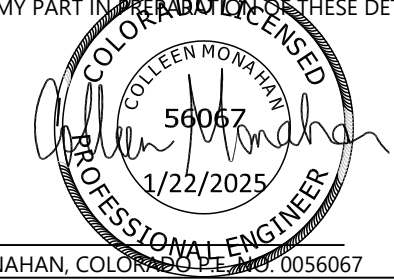
OWNER'S STATEMENT

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 ON THESE DETAILED PLANS AND SPECIFICATIONS.

OWNER'S SIGNATURE _____ DATE _____

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 INCURRED BY ANY NEGLIGENT ACTS, ERRORS OR OMISSIONS ON MY PART IN THE PREPARATION OF THESE DETAILED PLANS AND SPECIFICATIONS.


 COLLEEN P. MONAHAN, COLORADO LICENSE NO. 0056067 DATE _____

DISTRICT APPROVALS

THESE DOCUMENTS HAVE BEEN REVIEWED AND APPROVED FOR STORM DRAIN AND ASSOCIATED UTILITY SERVICE CONSTRUCTION.


FOR AND ON BEHALF OF THE GRANDVIEW RESERVE METROPOLITAN DISTRICT DATE _____



EDARP FILING NO. CDR2321

DRAWN BY: AB	JOB DATE: 1/2/2025	BAR IS ONE INCH ON OFFICIAL DRAWINGS: 0	
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CAD DATE: 1/21/2025			
CAD FILE: J:\2020\201662\CAD\DWG\CI\Eastonville_Road_662.08\Segment_1\CD\Road_CDs\Cover_N			

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

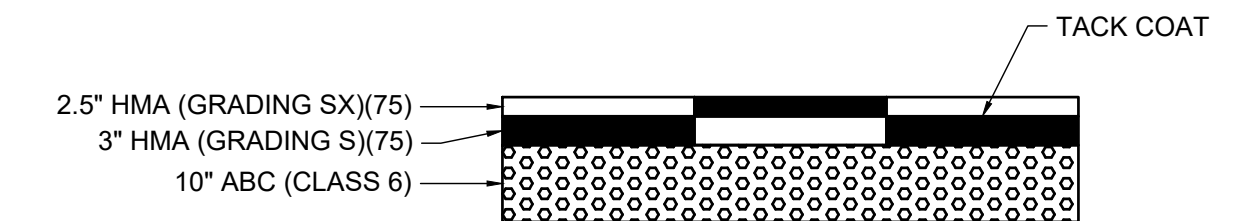
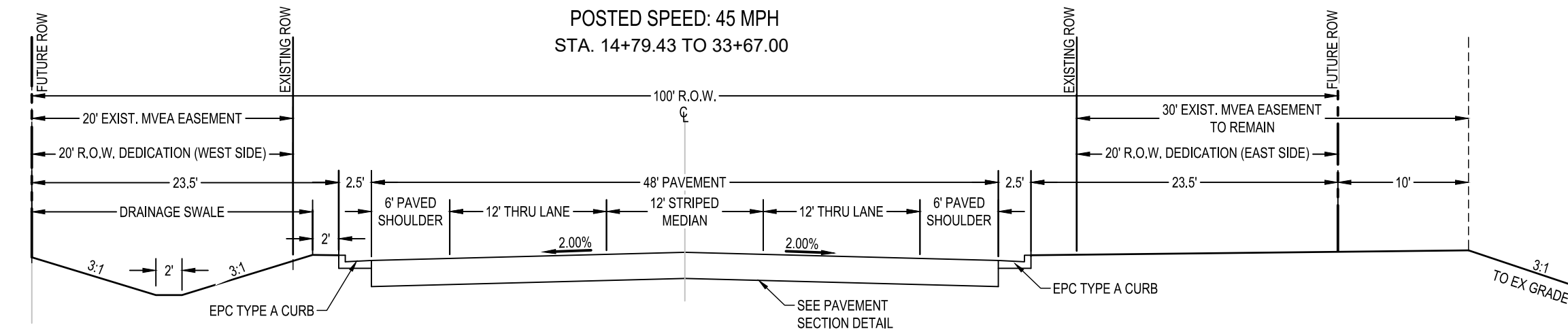
EASTONVILLE ROAD IMPROVEMENTS
DR. HORTON
 EL PASO COUNTY, COLORADO



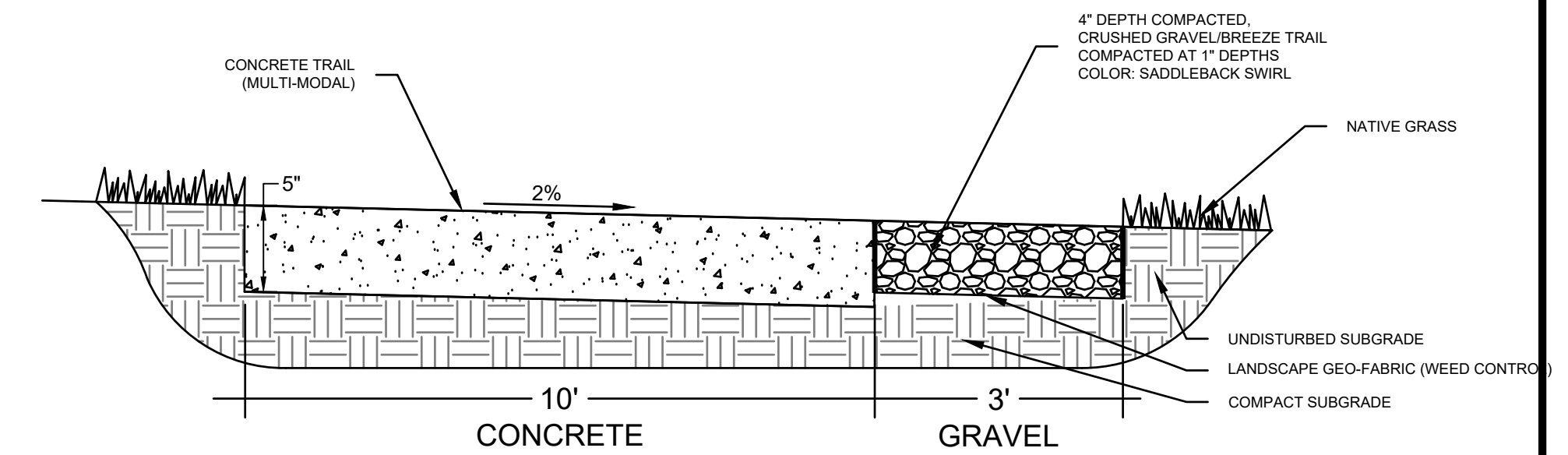
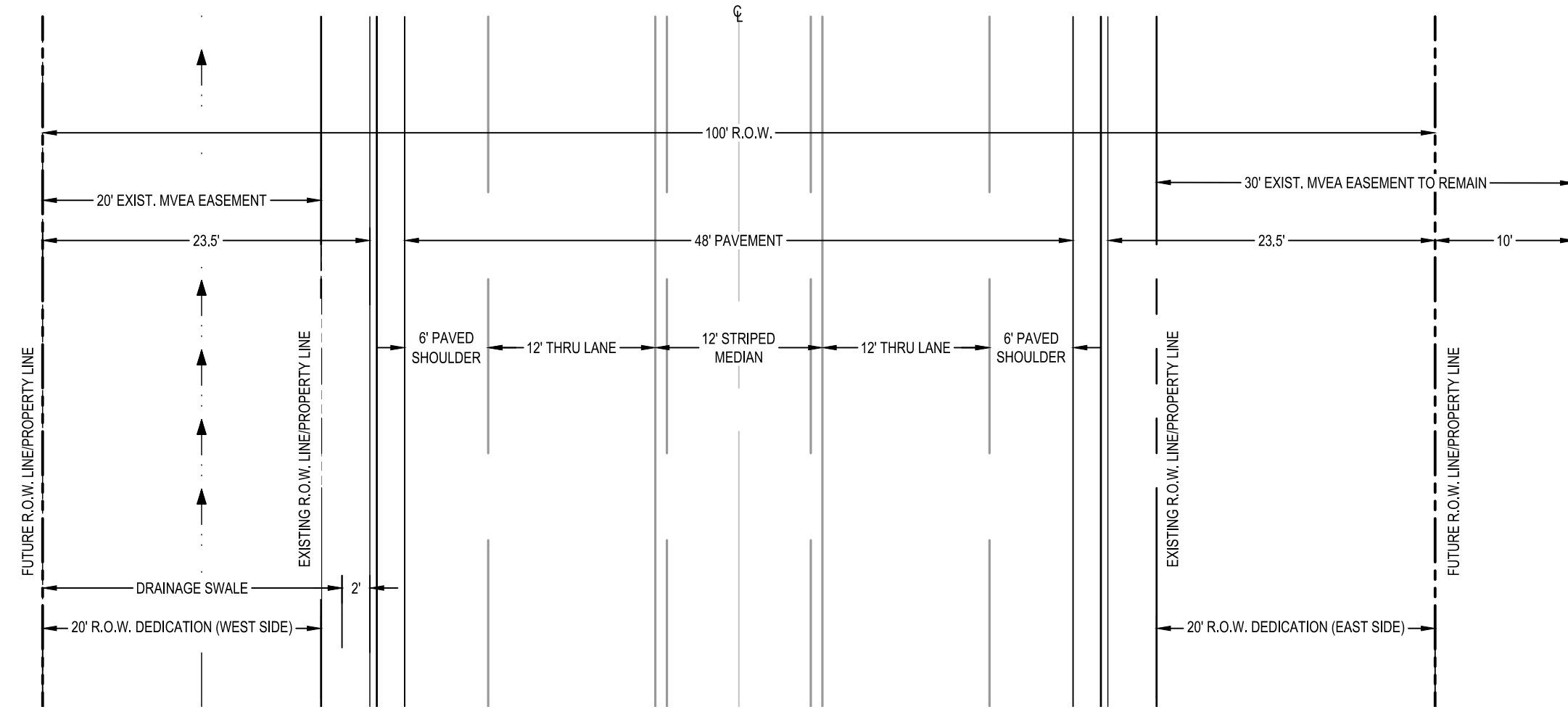
EASTONVILLE ROAD SEGMENT 1 IMPROVEMENTS
 COVER

SHEET
CS.1 **1**

EASTONVILLE RD ULTIMATE CROSS-SECTION A
(MODIFIED MINOR URBAN ARTERIAL)
MAXIMUM DESIGN SPEED: 50 MPH
POSTED SPEED: 45 MPH
STA. 14+79.43 TO 33+67.00



PAVEMENT SECTION DETAIL
EASTONVILLE ROAD

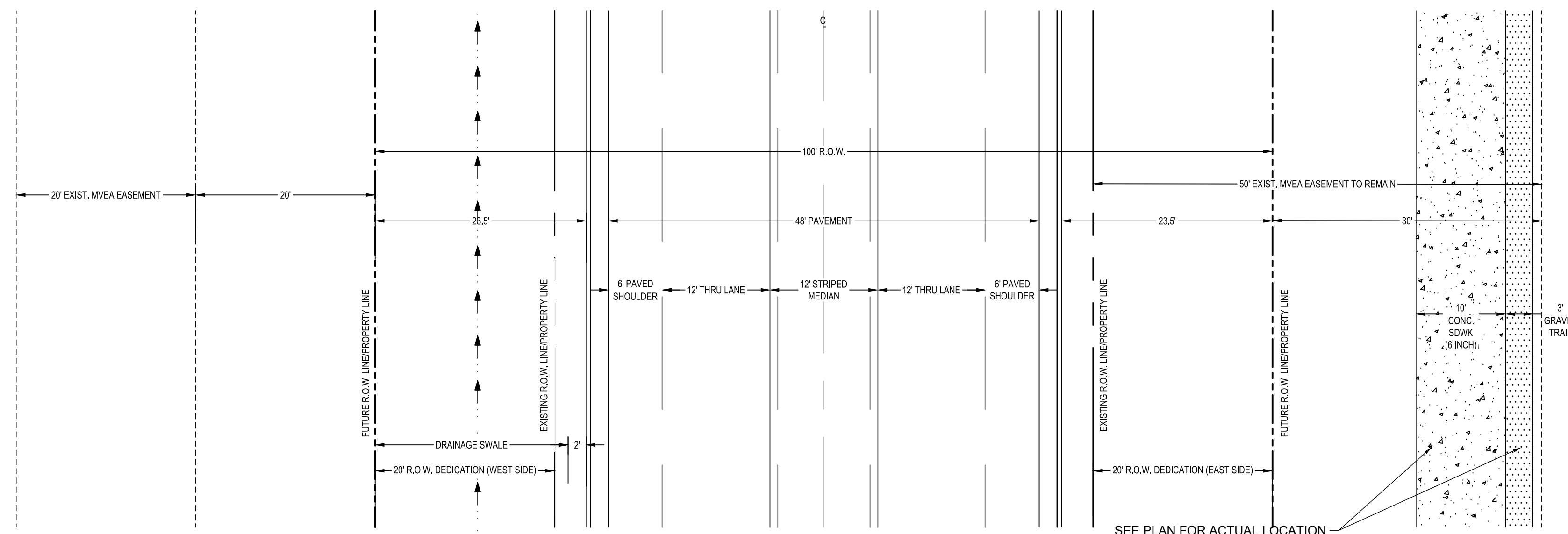
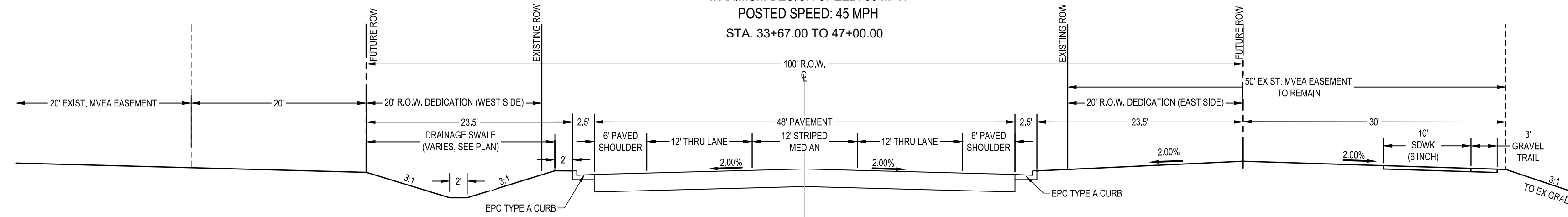


NOTE: REFER TO EL PASO COUNTY ENGINEERING CRITERIA MANUAL FOR CONCRETE SPECIFICATIONS AND DETAILS.

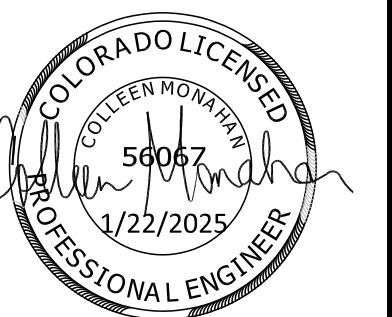
TYP. CONCRETE / GRAVEL COMBINATION TRAIL

SCALE: NTS

EASTONVILLE RD ULTIMATE CROSS-SECTION B
(MODIFIED MINOR URBAN ARTERIAL)
MAXIMUM DESIGN SPEED: 50 MPH
POSTED SPEED: 45 MPH
STA. 33+67.00 TO 47+00.00



SEE PLAN FOR ACTUAL LOCATION



EDARP FILING NO. CDR2321

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APPROVED: CMM JOB NUMBER: 201662.08
CAD DATE: 1/20/2025
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BAR IS ONE INCH ON
OFFICIAL DRAWINGS:
0 1"

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

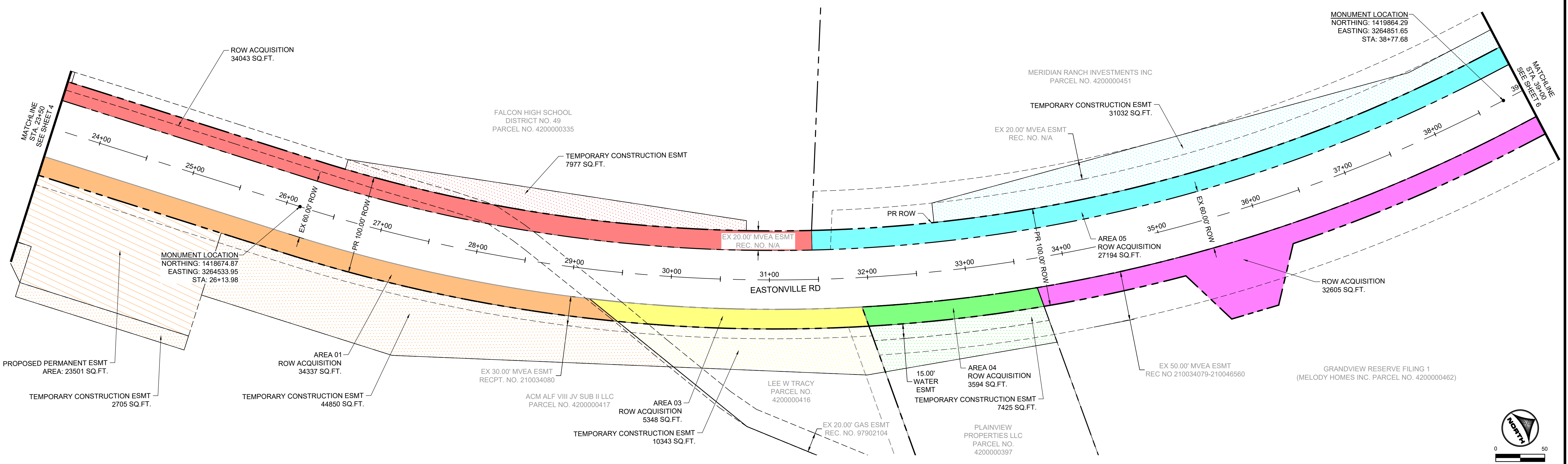
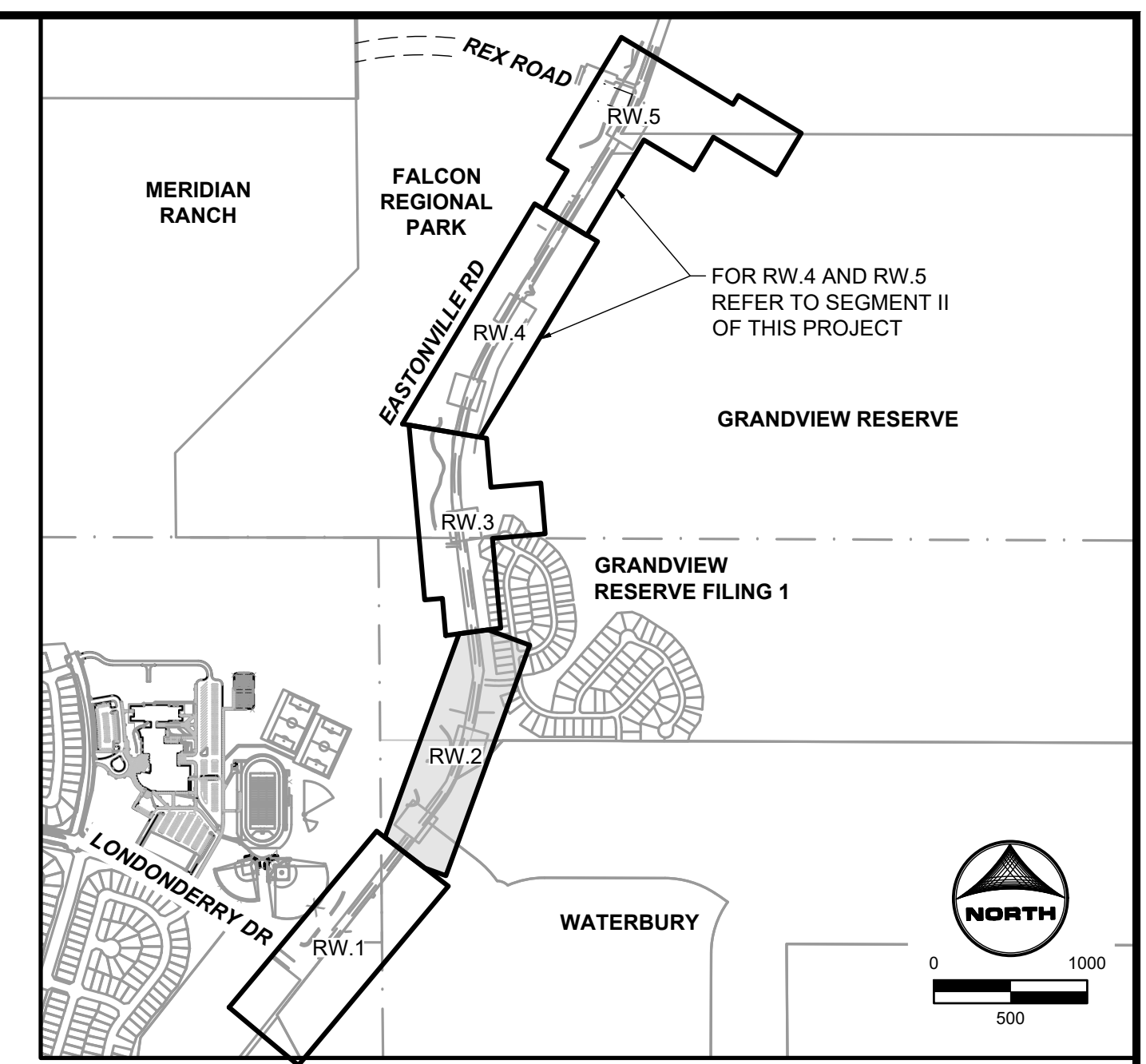
EASTONVILLE ROAD IMPROVEMENTS
DR. HORTON
EL PASO COUNTY, COLORADO

EASTONVILLE ROAD SEGMENT 1 IMPROVEMENTS
TYPICAL ROAD SECTIONS

SHEET
GN.2 3

LEGEND

- ROW ACQUISITION - SCHOOL DISTRICT 49
- ROW ACQUISITION - ACMAF JV SUB II LLC
- ROW ACQUISITION - LEE W. TRACY
- ROW ACQUISITION - PLAINVIEW PROPERTIES LLC
- ROW ACQUISITION - MERIDIAN RANCH INVESTMENTS
- ROW ACQUISITION - EL PASO COUNTY
- ROW ACQUISITION - MELODY HOMES INC
- ROW ACQUISITION - CROSS FELLOWSHIP CHURCH
- ROW ACQUISITION - JMJK HOLDINGS LLC
- PROPOSED TEMPORARY EASEMENT (COLOR MATCHES ROW ACQUISITION OWNER)
- PROPOSED PERMANENT EASEMENT (COLOR MATCHES ROW ACQUISITION OWNER)
- PROPOSED MVEA EASEMENT



EDARP FILING NO. CDR2321

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 APPROVED: CPM JOB NUMBER: 201662.08
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NO.	DATE	BY	REVISION DESCRIPTION

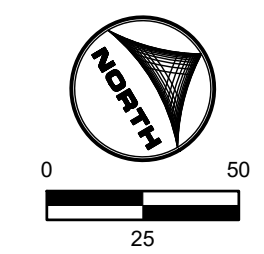
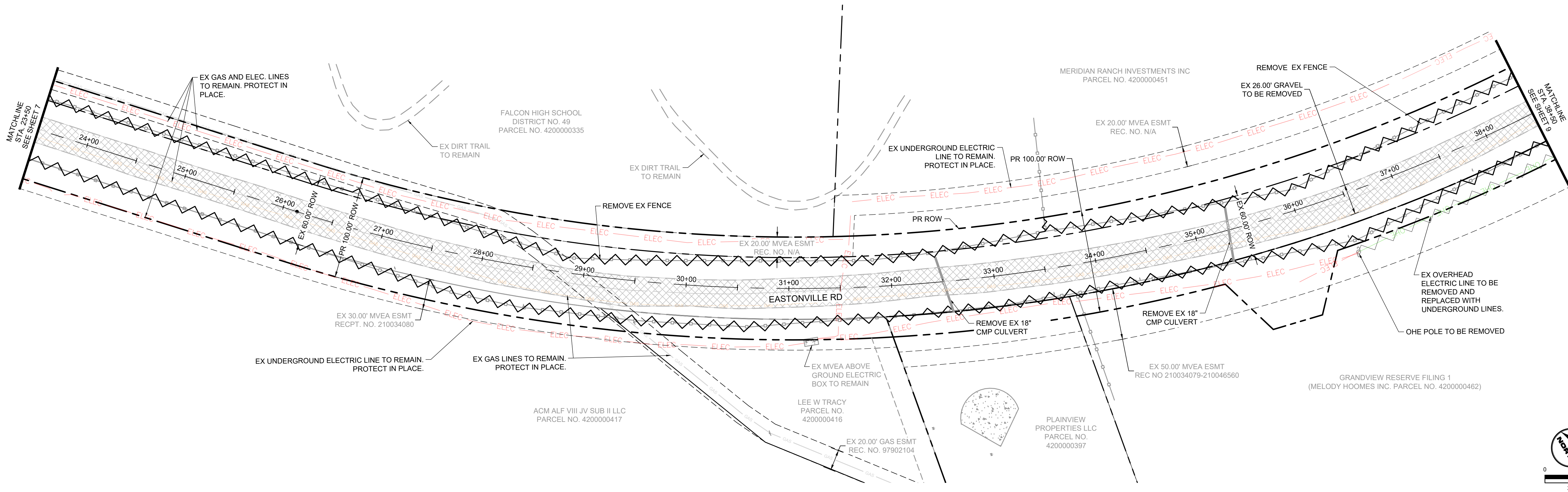
HRGreen
 HR GREEN - COLORADO SPRINGS
 1975 RESEARCH PARKWAY SUITE 230
 COLORADO SPRINGS CO 80920
 PHONE: 719.300.4140
 FAX: 719.965.0044

EASTONVILLE ROAD IMPROVEMENTS
DR. HORTON
 EL PASO COUNTY, COLORADO

EASTONVILLE ROAD SEGMENT 1 IMPROVEMENTS
 RIGHT-OF-WAY EXHIBIT II

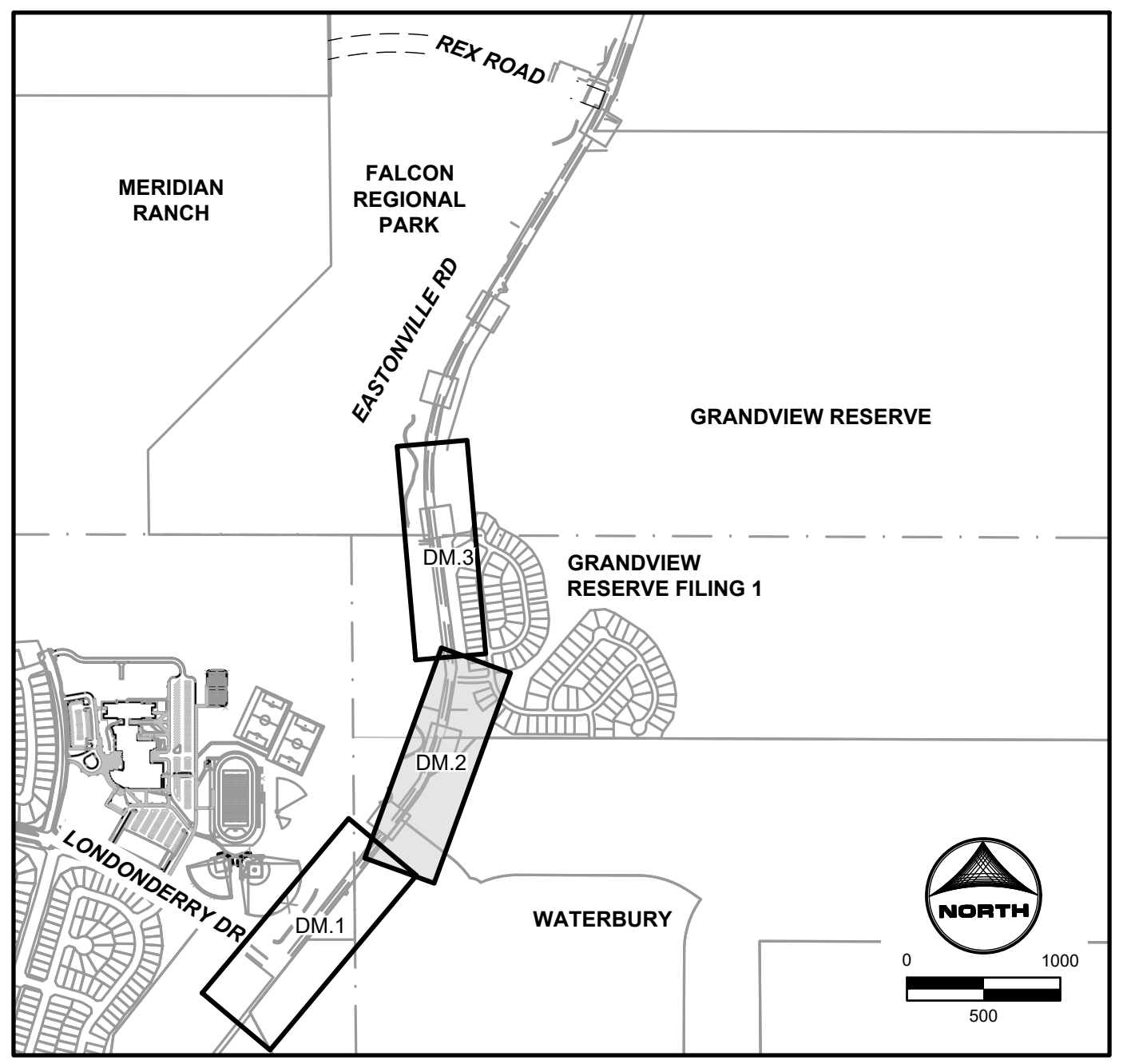
SHEET
RW.2
 5

HR Green Title: HRG1.20X_EBasr; xrow=662.08_Eastonville; xv=662.08_Eastonville; KeyMap; xc=662.08_Eastonville; Seg. 1; x=662.08_Eastonville; 01-XC-INITIAL-EC; 01-XC; Wmgwells; 01-XC-channels; PLAN AND PROFILE

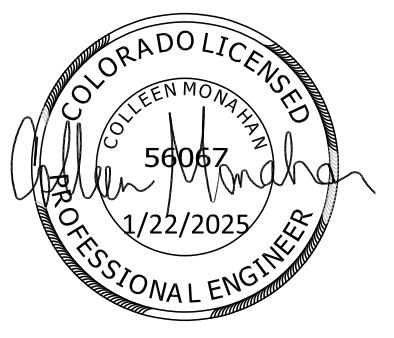


LEGEND:

	GRAVEL TO BE REMOVED
	FENCE LINE TO BE REMOVED
	ELECTRIC LINE TO BE UNDERGROUNDED
	PROPOSED ROW
	GAS LINE TO BE REMOVED/RELOCATED BY GAS UTILITY COMPANY



KEYMAP



EDARP FILING NO. CDR2321

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APPROVED: CPM	JOB NUMBER: 201662.08	0" = 1"
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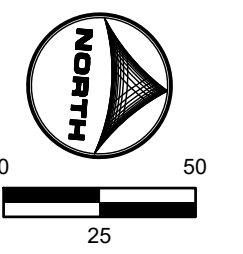
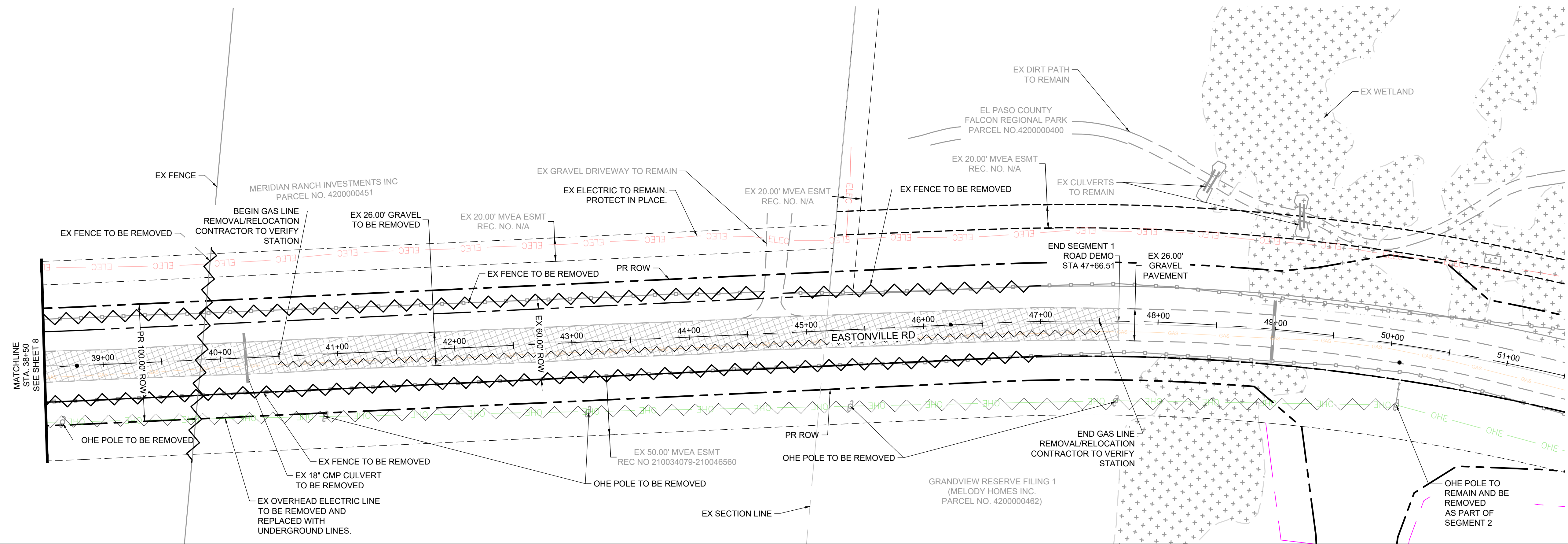
NO.	DATE	BY	REVISION DESCRIPTION

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

EASTONVILLE ROAD IMPROVEMENTS
DR. HORTON
 EL PASO COUNTY, COLORADO

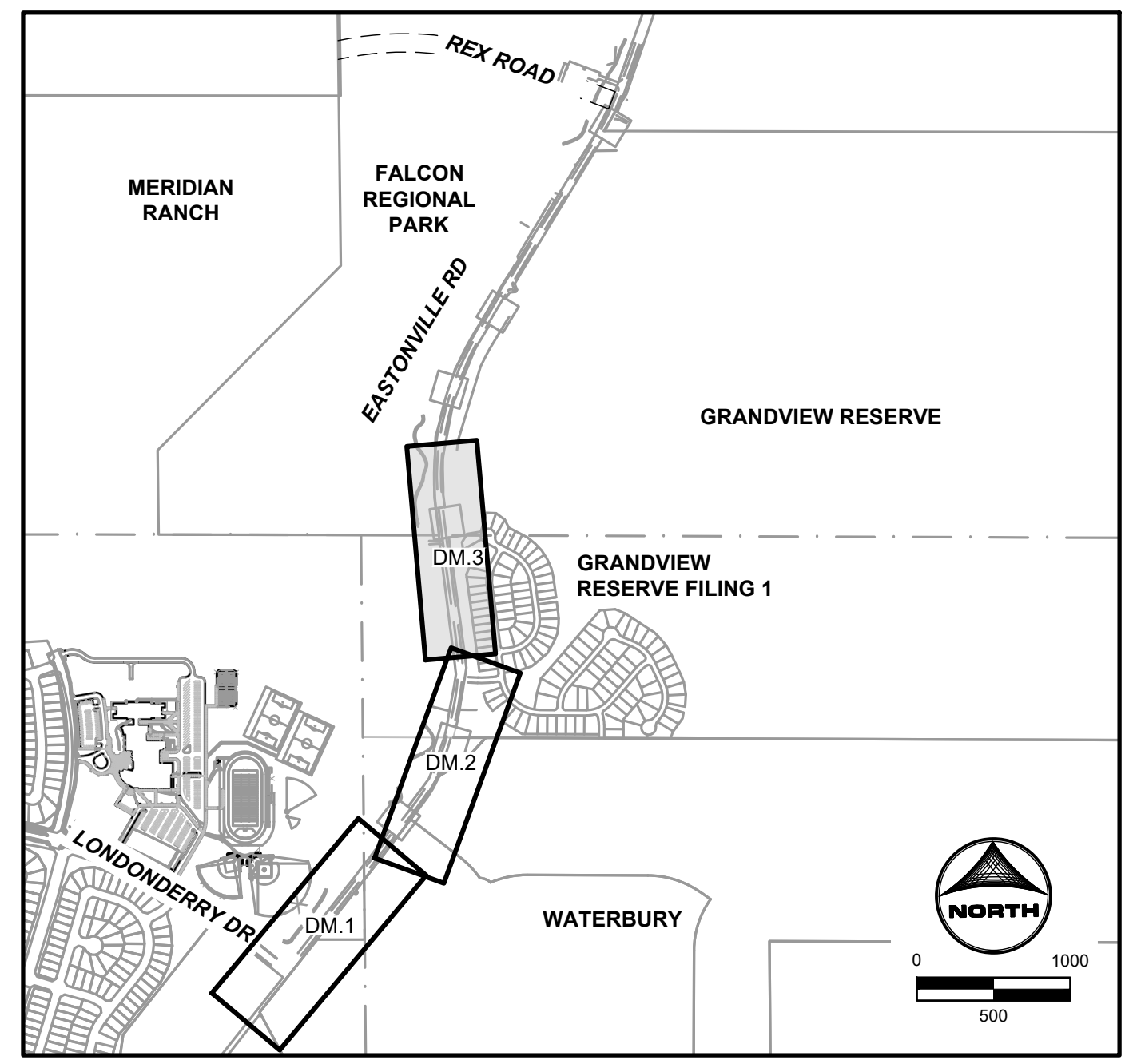
EASTONVILLE ROAD SEGMENT 1 IMPROVEMENTS
 DEMOLITION PLAN II

SHEET
DM.2
8



LEGEND:

	GRAVEL TO BE REMOVED
	FENCE LINE TO BE REMOVED
	ELECTRIC LINE TO BE UNDERGROUNDED
	PROPOSED ROW
	GAS LINE TO BE REMOVED/RELOCATED BY GAS UTILITY COMPANY



KEYMAP



EDARP FILING NO. CDR2321

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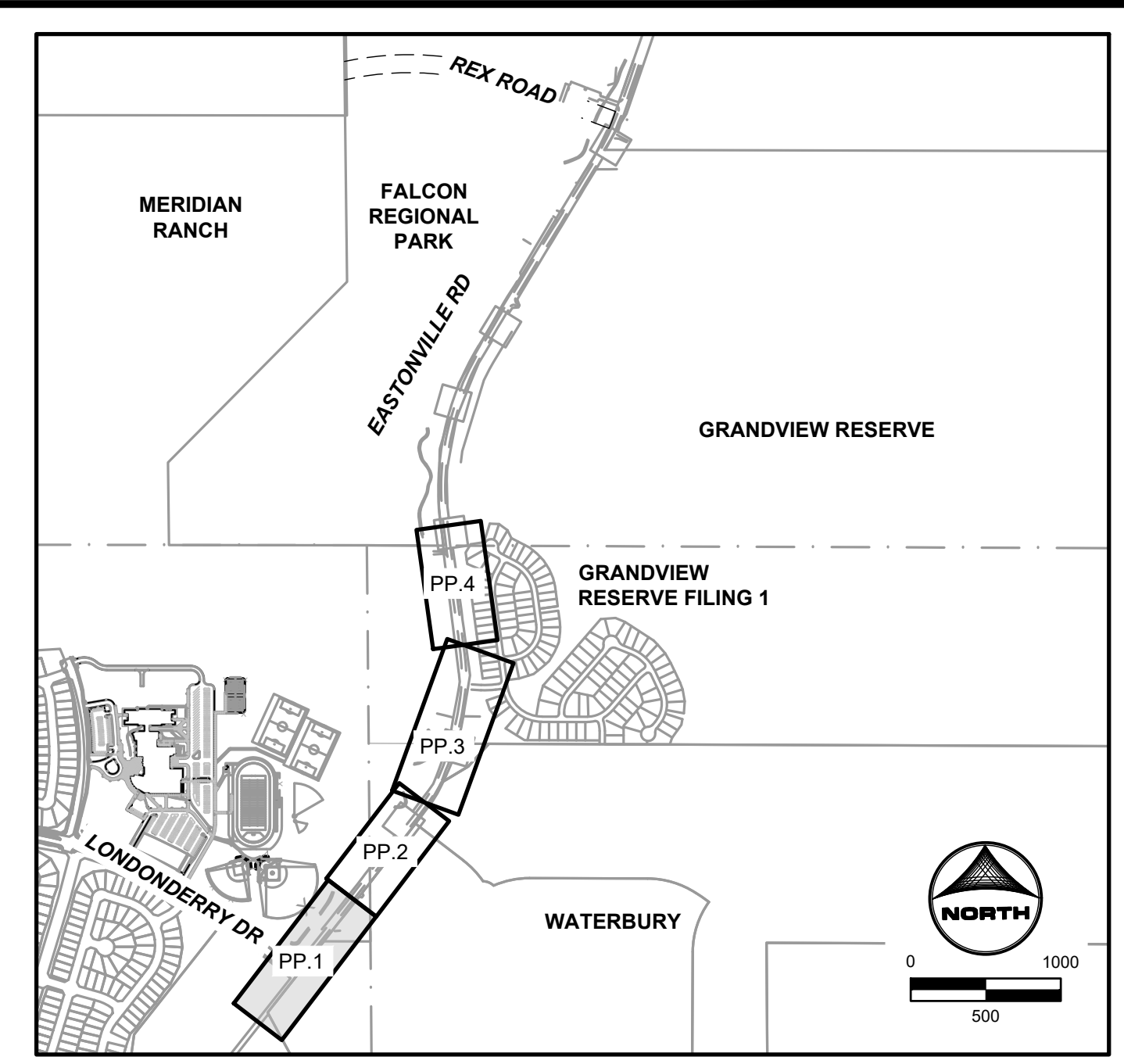
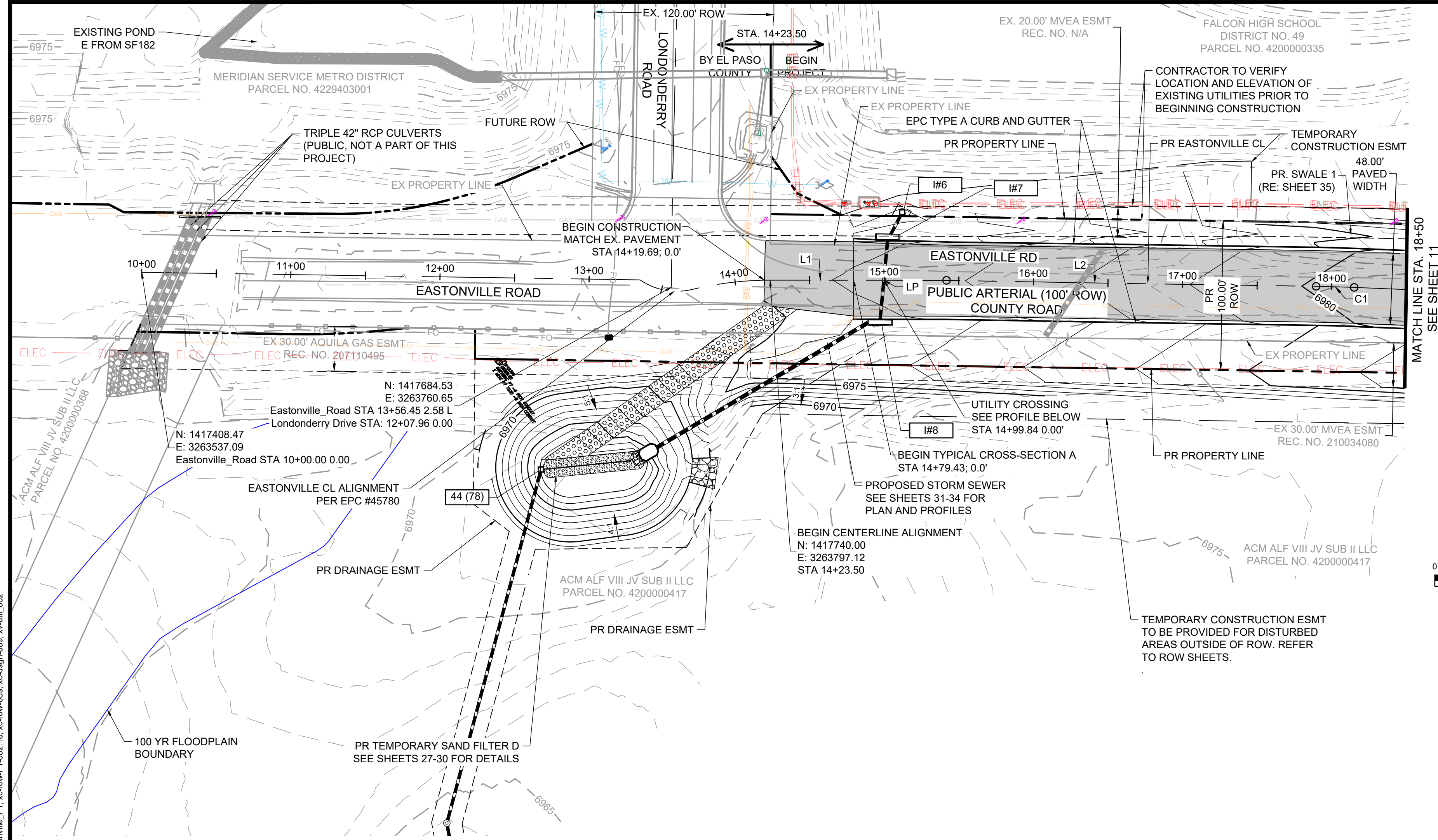
HRGreen
 HR GREEN - COLORADO SPRINGS
 1975 RESEARCH PARKWAY SUITE 230
 COLORADO SPRINGS CO 80920
 PHONE: 719.300.4140
 FAX: 713.965.0044

EASTONVILLE ROAD IMPROVEMENTS
DR. HORTON
 EL PASO COUNTY, COLORADO

EASTONVILLE ROAD SEGMENT 1 IMPROVEMENTS
 DEMOLITION PLAN III

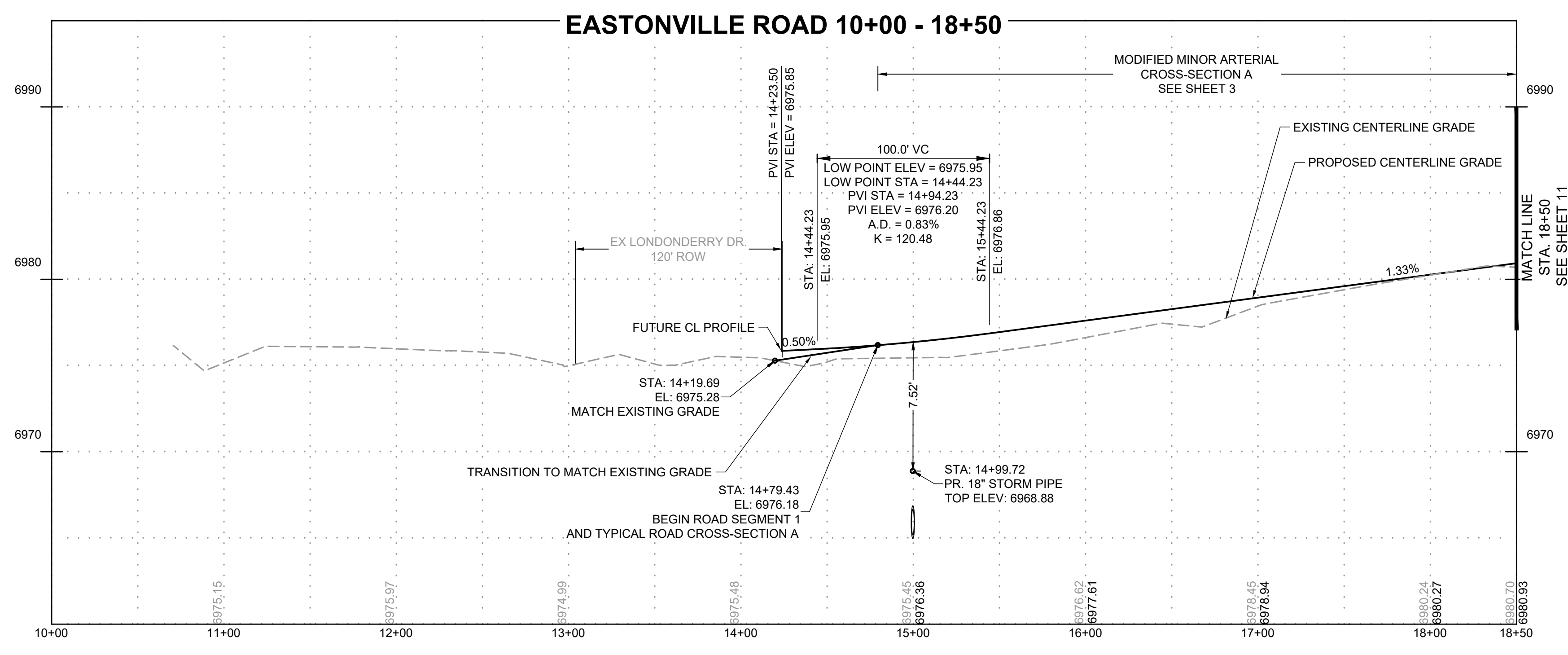
SHEET
DM.3
 9

HR GREEN - 01-xv-cw; HRG1.20X; EBase; xv-cw-662.08; Eastonville; xv-dsgn-089; xg1-1-dm01; 01-xc-pr; 100YR; FP; DELINEATION; A; xg1-1-dm01; CD; Road; PMP; xv-111; 662; xc-cw; 662.08; Eastonville; Key-Map




Line Table		
Line #	Length	Direction
L1	118.26	N 37°27'25\" E
L2	247.83	N 38°19'17\" E

Curve Table			
Curve #	Length	Radius	Delta
C1	25.53	1000.00	1°27'46\"



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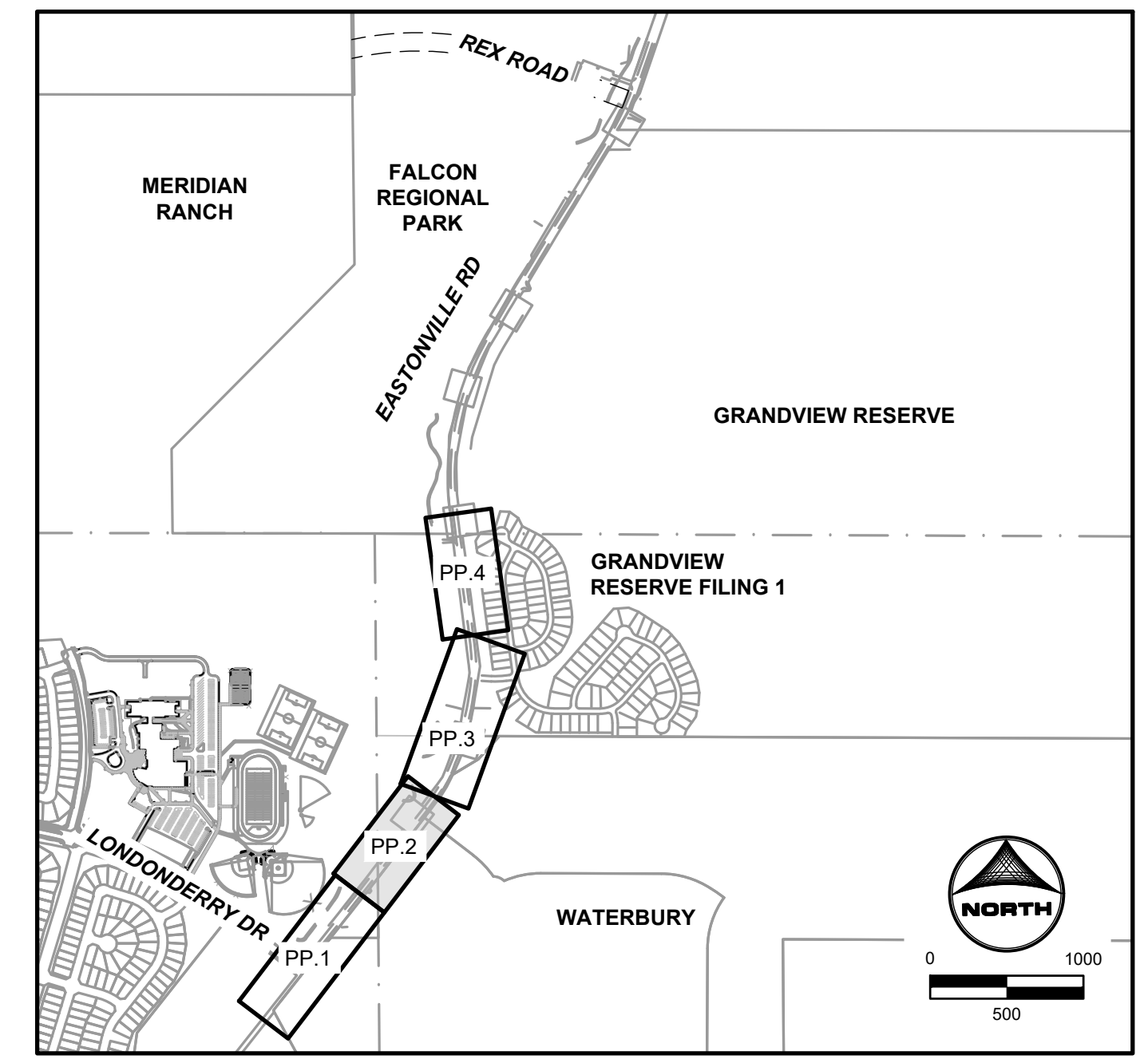
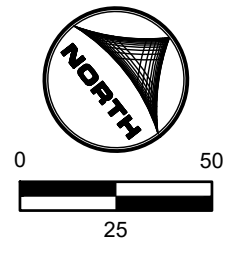
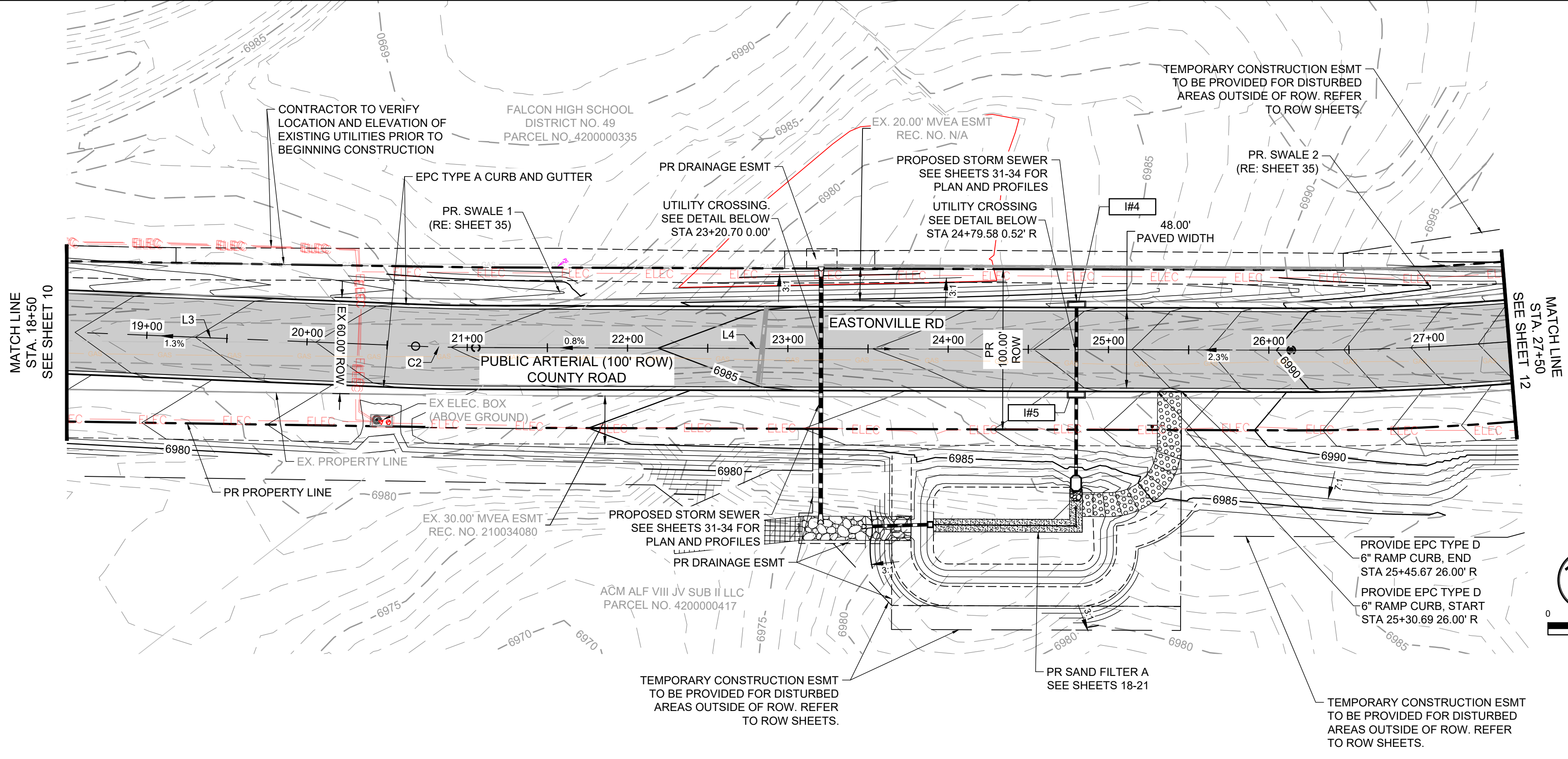

 HR GREEN - COLORADO SPRINGS
 1975 RESEARCH PARKWAY SUITE 230
 COLORADO SPRINGS CO 80920
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 FAX: 713.965.0044

EASTONVILLE ROAD IMPROVEMENTS
DR. HORTON
 EL PASO COUNTY, COLORADO

EASTONVILLE ROAD SEGMENT 1 IMPROVEMENTS
 PLAN & PROFILE

SHEET
PP.1 10



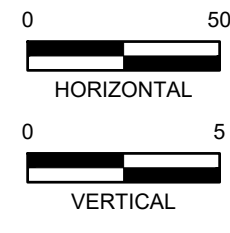
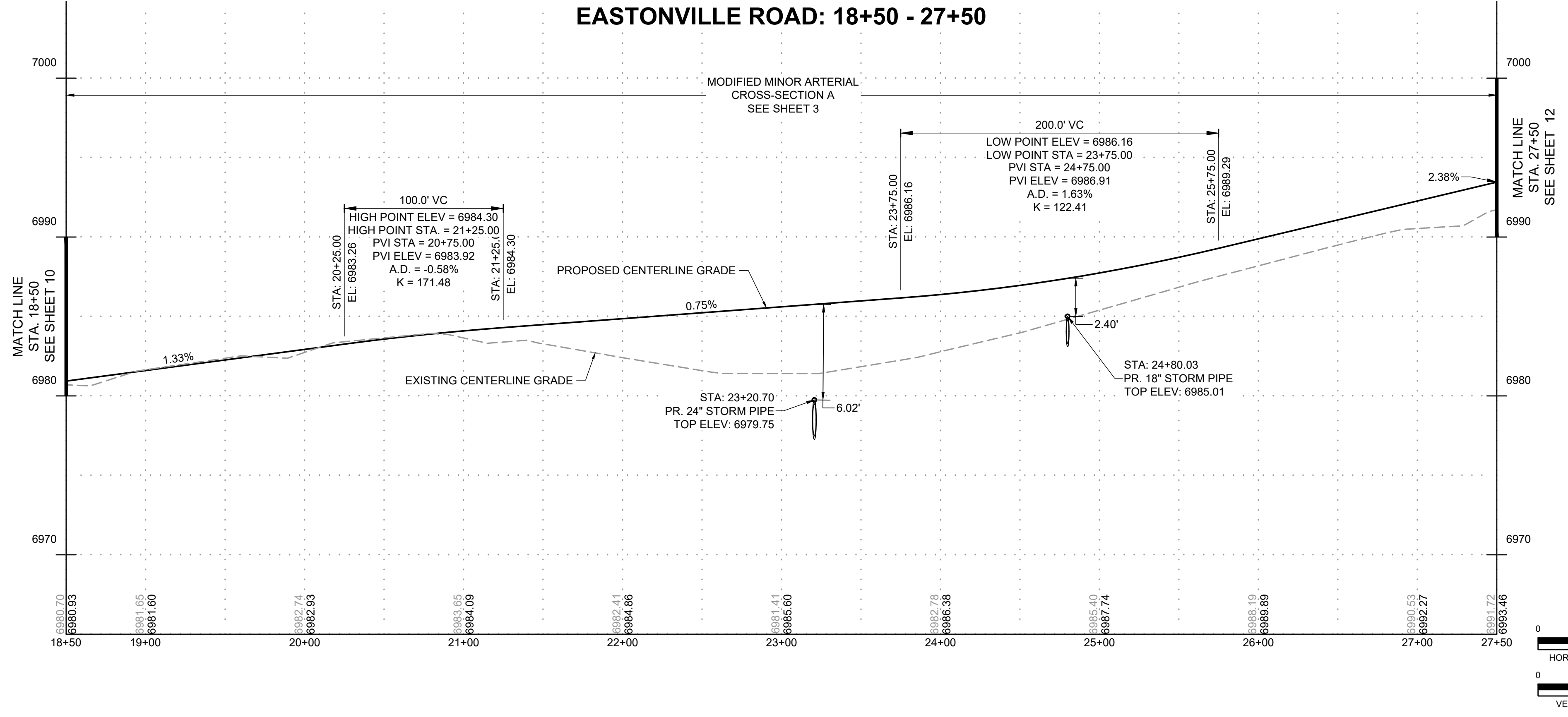


KEYMAP

Line Table		
Line #	Length	Direction
L3	252.69	N 39°43'57" E
L4	508.66	N 37°34'53" E

Curve Table			
Curve #	Length	Radius	Delta
C2	37.55	1000.00	2°09'04"

EASTONVILLE ROAD: 18+50 - 27+50



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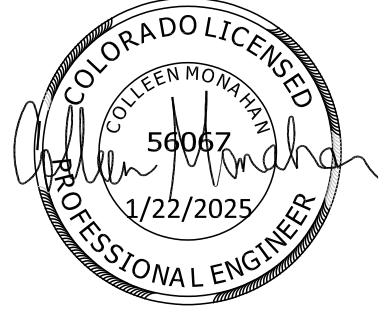
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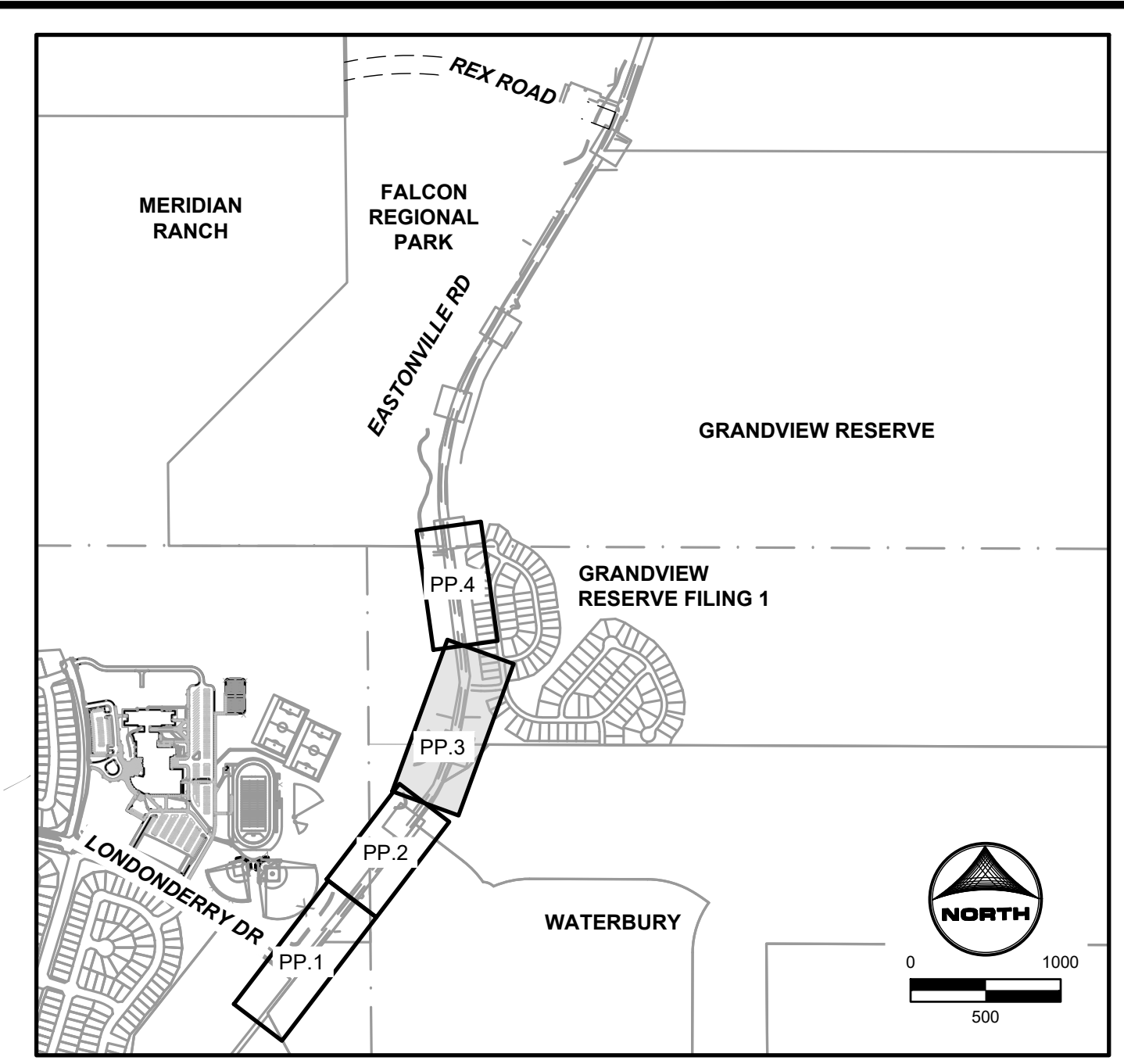
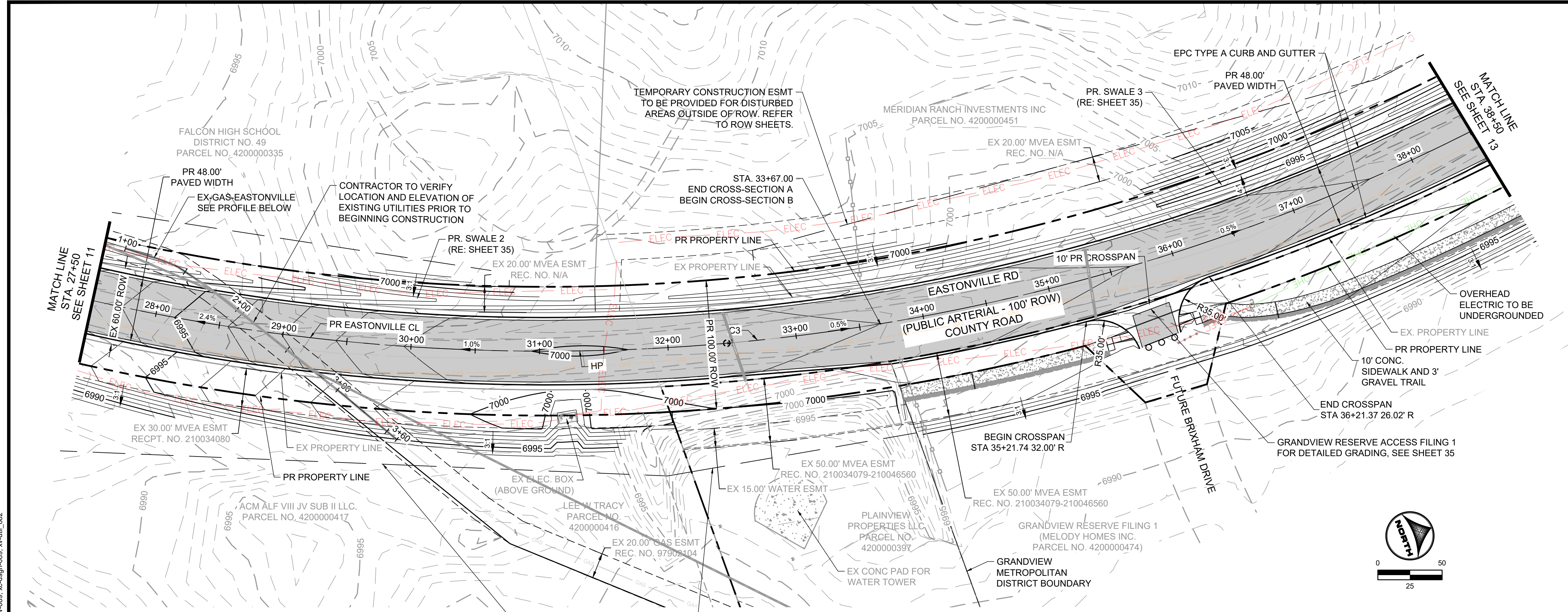
HRGreen
 HR GREEN - COLORADO SPRINGS
 1975 RESEARCH PARKWAY SUITE 230
 COLORADO SPRINGS CO 80920
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EASTONVILLE ROAD IMPROVEMENTS
DR. HORTON
 EL PASO COUNTY, COLORADO

EASTONVILLE ROAD SEGMENT 1 IMPROVEMENTS
 PLAN & PROFILE II

SHEET
PP.2
 11

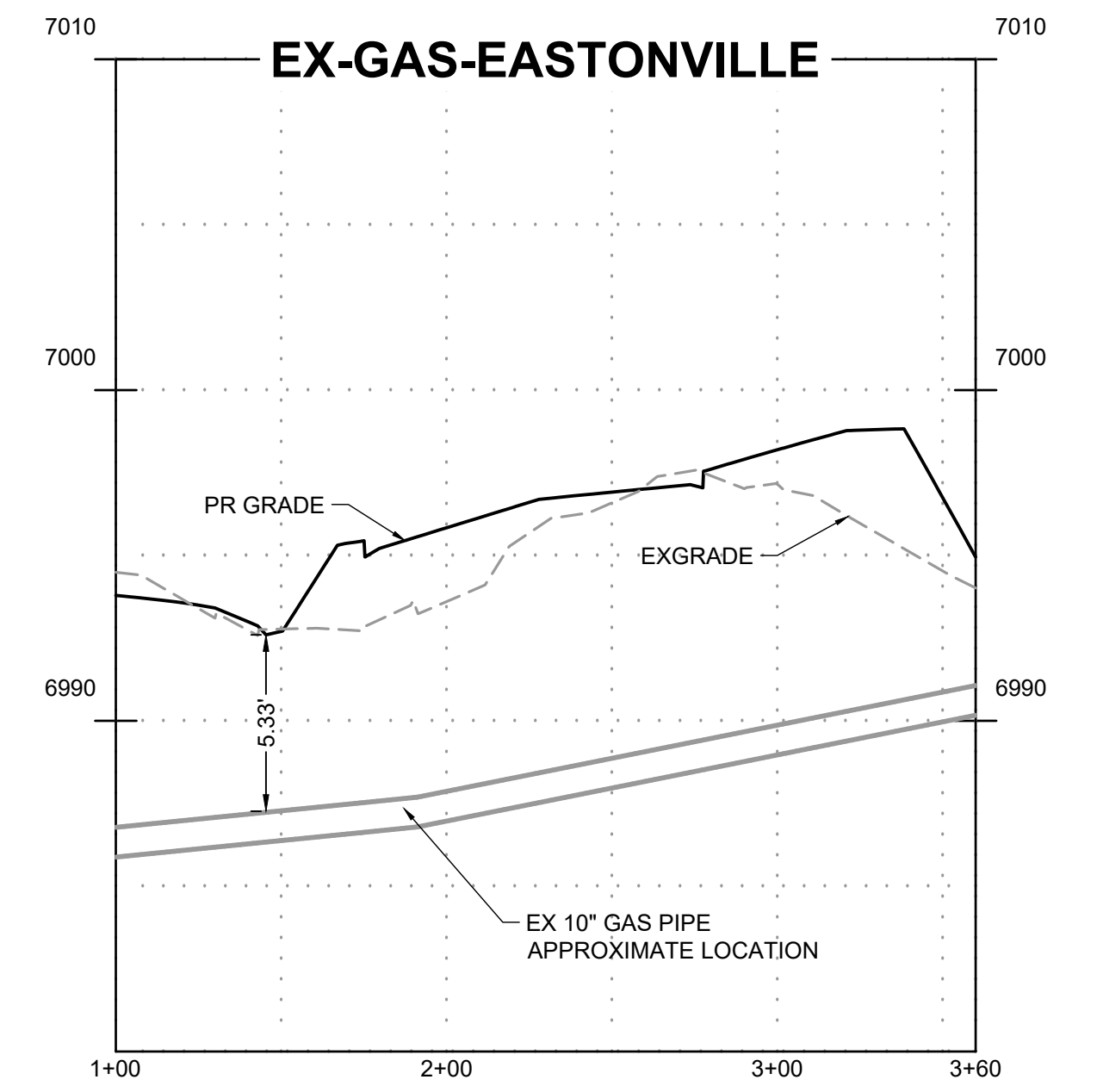
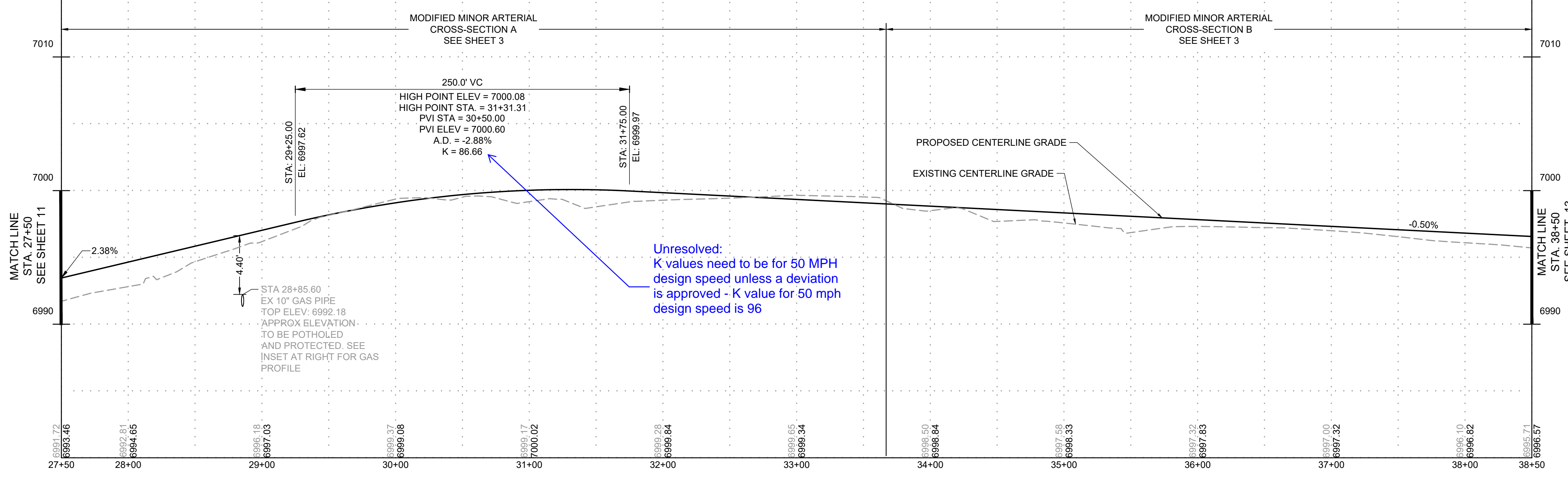




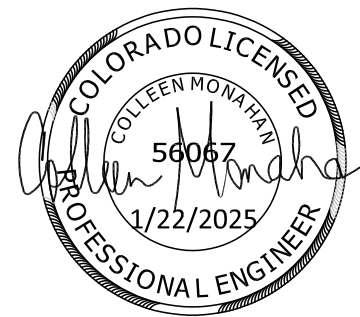
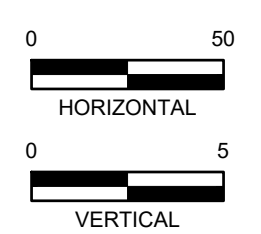
Curve Table

Curve #	Length	Radius	Delta
C3	1263.66	1600.00	45°15'05"

EASTONVILLE ROAD: 27+50 - 38+50



NOTE: CONTRACTOR TO VERIFY LOCATION AND ELEVATION OF GAS LINE PRIOR TO CONSTRUCTION



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 CAD DATE: 1/20/2025
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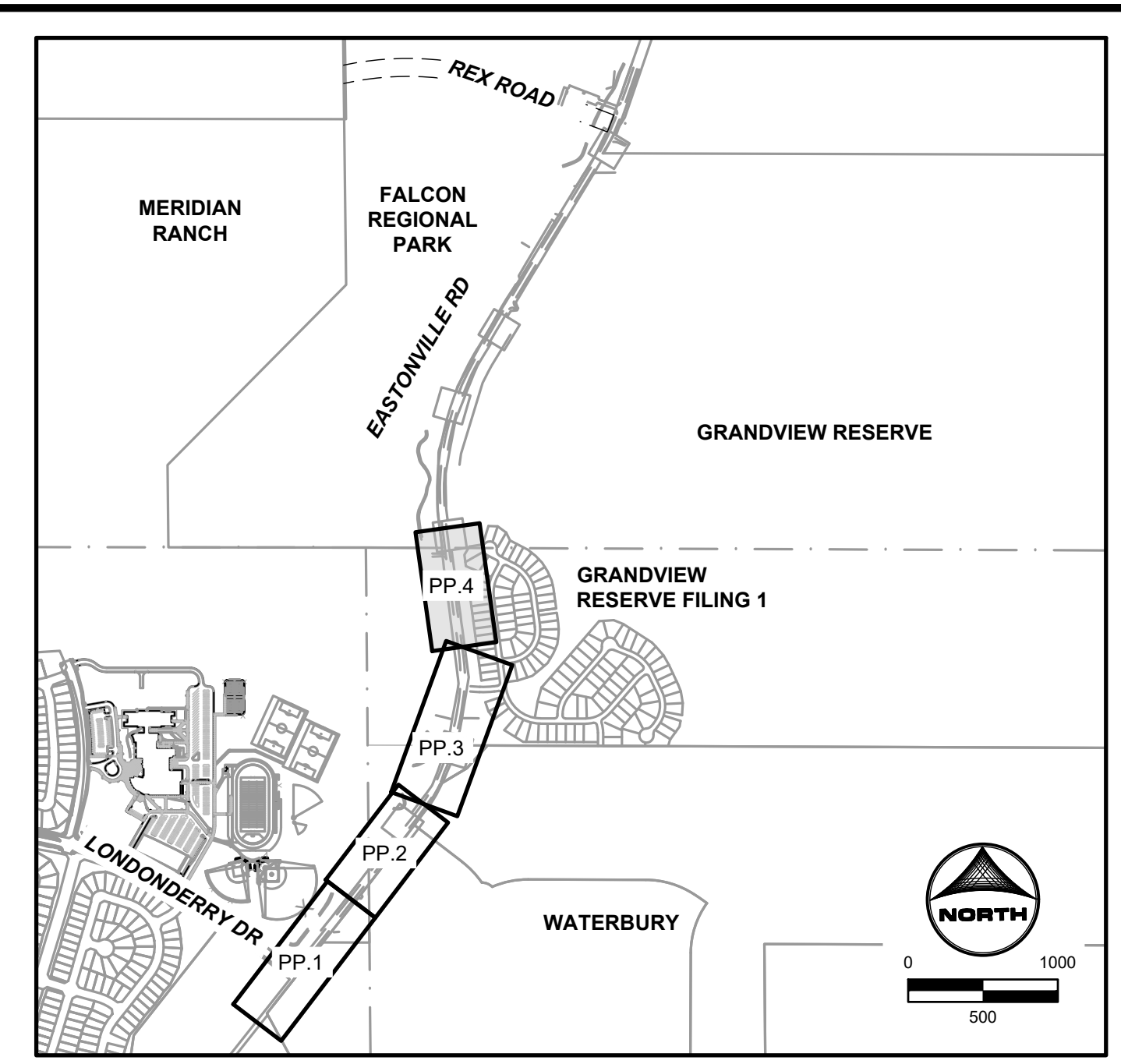
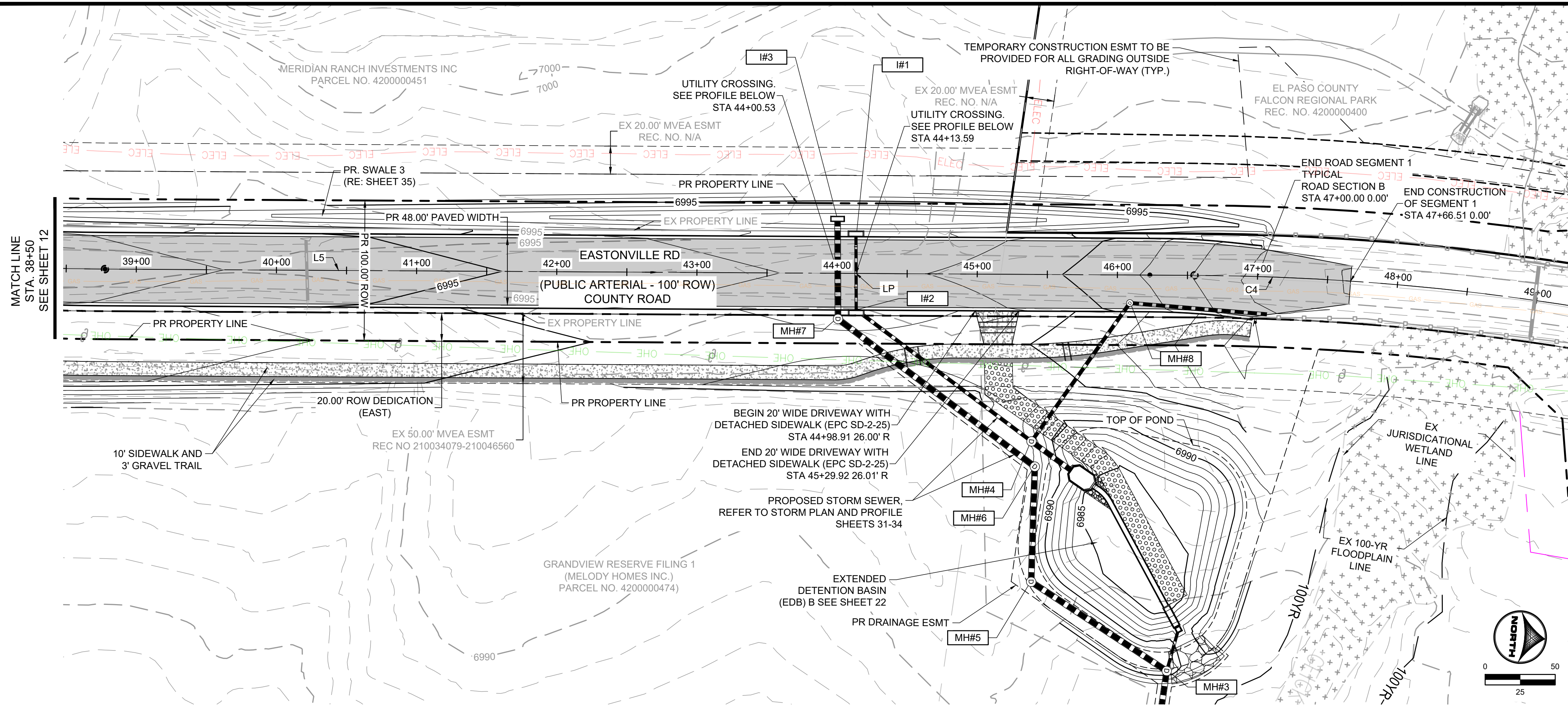
NO.	DATE	BY	REVISION DESCRIPTION

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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

EASTONVILLE ROAD IMPROVEMENTS
DR. HORTON
 EL PASO COUNTY, COLORADO

EASTONVILLE ROAD SEGMENT 1 IMPROVEMENTS
 PLAN & PROFILE III

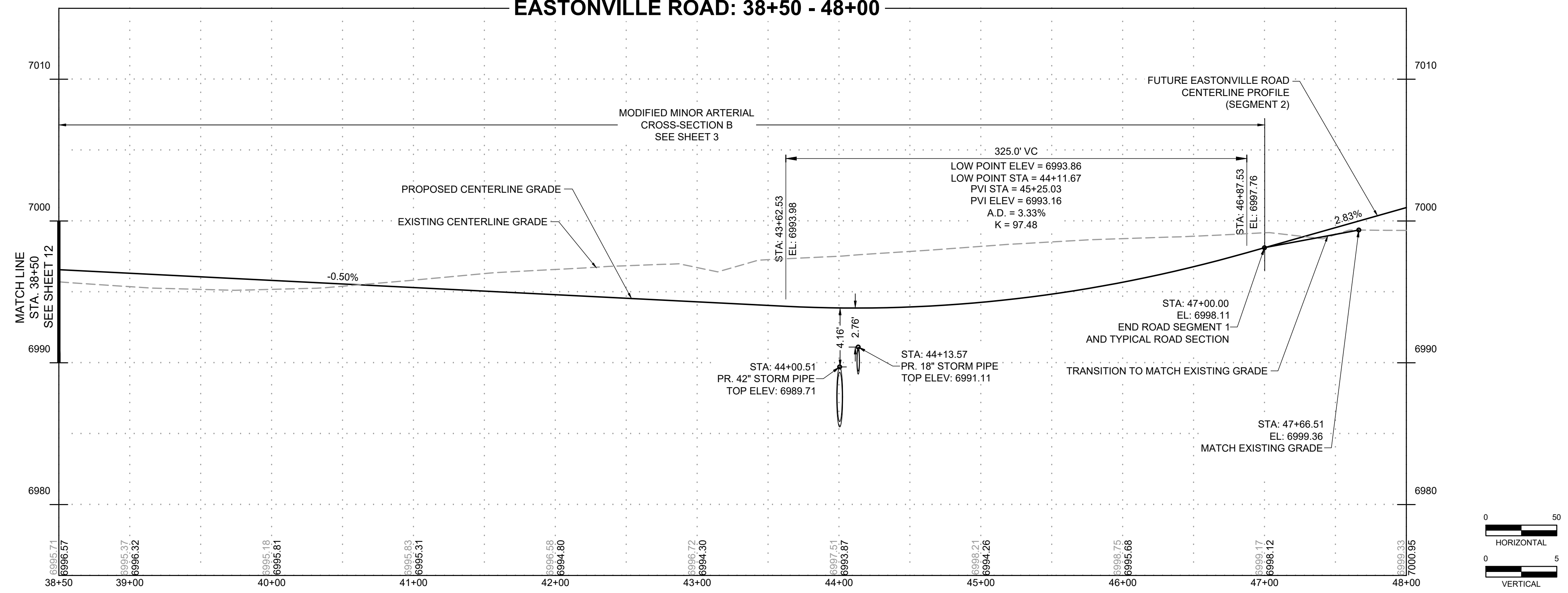
SHEET
PP.3
 12



Line Table		
Line #	Length	Direction
L5	777.34	N 7°40'18" W

Curve Table			
Curve #	Length	Radius	Delta
C4	111.49	1853.38	3°26'48"

EASTONVILLE ROAD: 38+50 - 48+00



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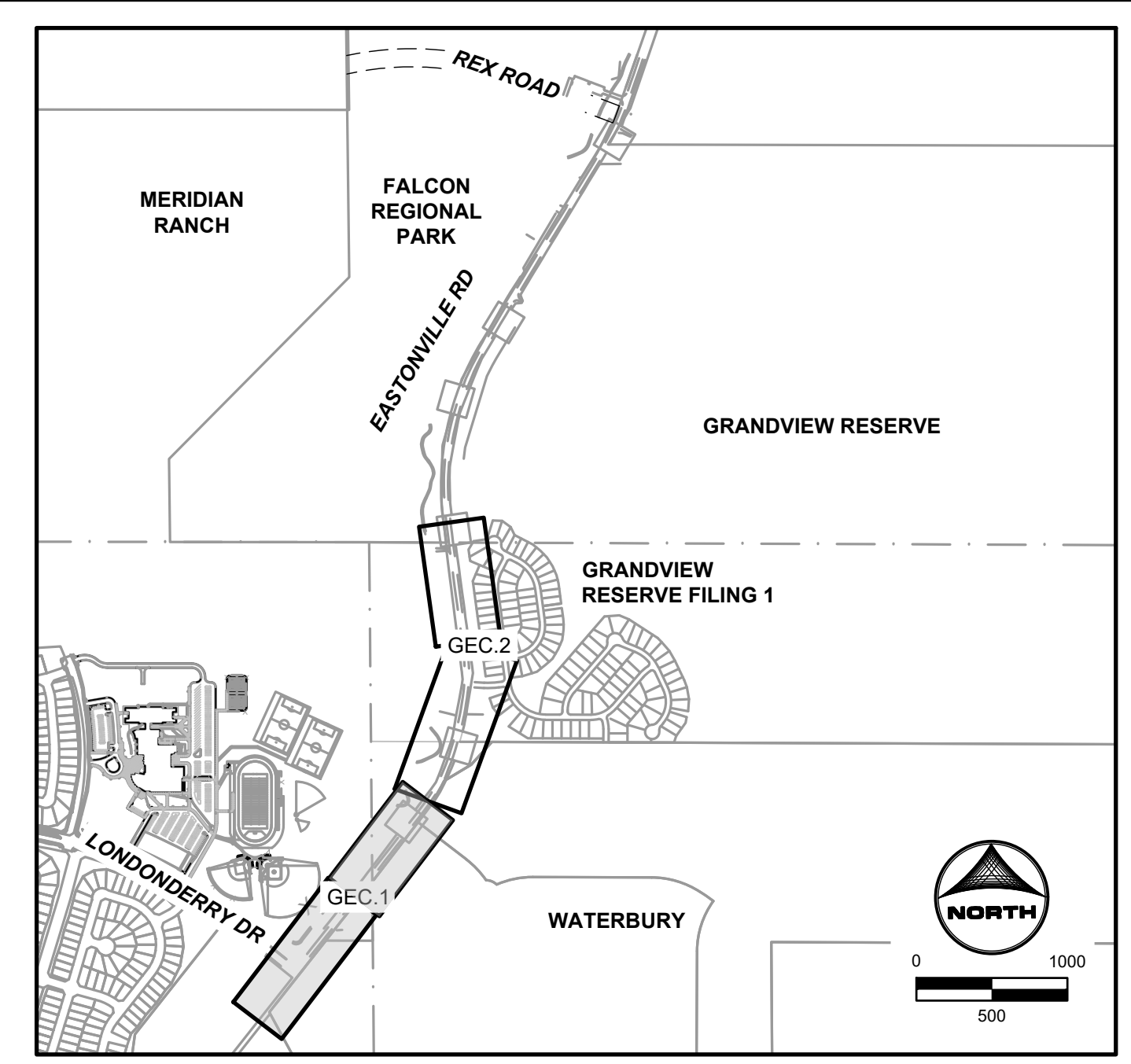
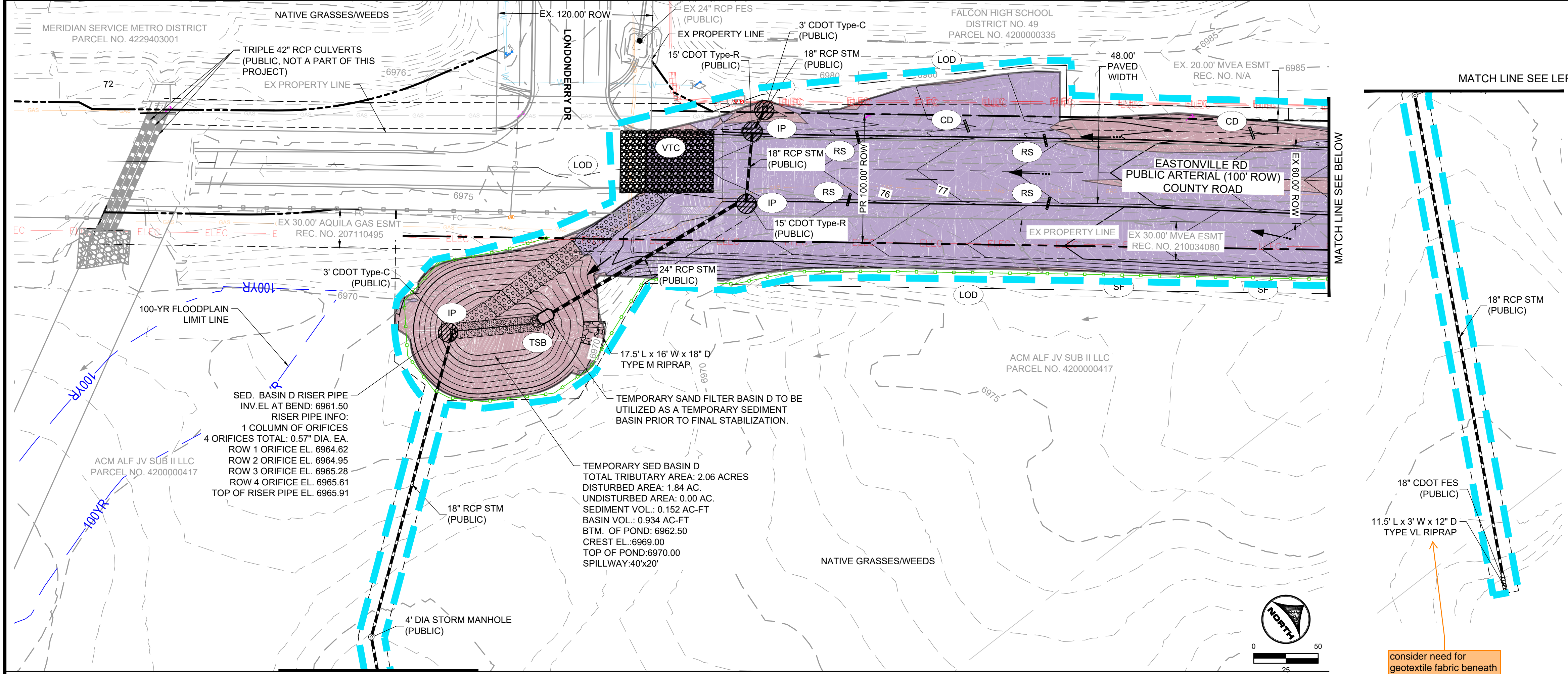
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 COLORADO SPRINGS CO 80920
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 FAX: 713.965.0044

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DR. HORTON
 EL PASO COUNTY, COLORADO

EASTONVILLE ROAD SEGMENT 1 IMPROVEMENTS
 PLAN & PROFILE IV

SHEET
PP.4 **13**



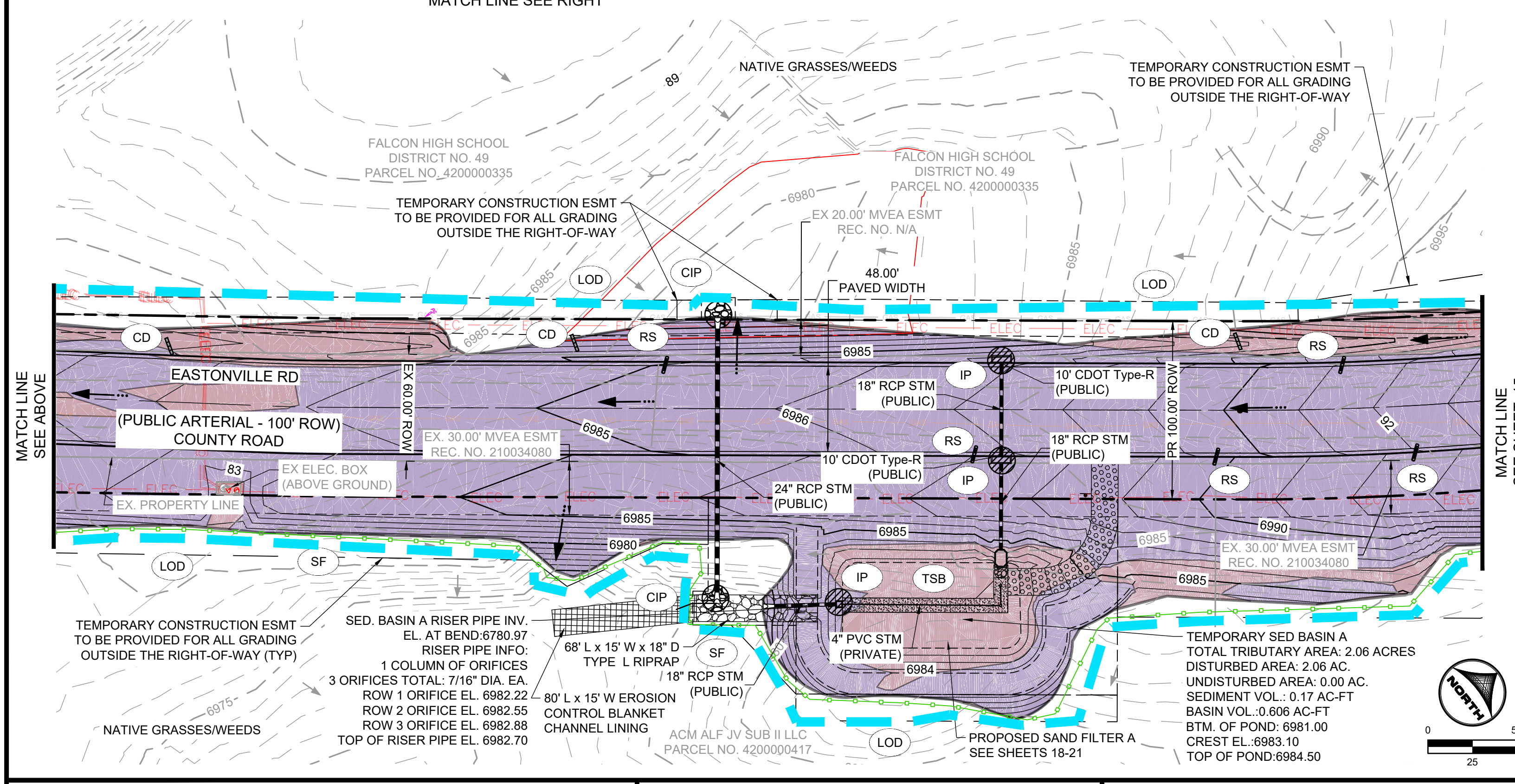


KEYMAP

GEC LEGEND:

	CWA	CONCRETE WASHOUT AREA	PHASE
	IP	INLET PROTECTION	INTERIM
	CIP	CULVERT INLET PROTECTION	INTERIM
	SF	SILT FENCE	INITIAL/INTERIM
	SSA	STABILIZED STAGING AREA	INTERIM
	VTC	VEHICLE TRACKING CONTROL	INITIAL
	EDB	EXTENDED DETENTION BASIN	FINAL
	TSB	TEMPORARY SEDIMENT BASIN	INTERIM
	CD	CHECK DAM	INTERIM
	RS	ROCK SOCK	INTERIM
	LOD	LIMITS OF CONSTRUCTION/ DISTURBANCE	
		PROP FLOW DIRECTION	
		EX FLOW DIRECTION	
		EX PROPERTY LINE	
		EX RIGHT OF WAY	
		CUT CONDITION	
		FILL CONDITION	

NOTE: ALL DISTURBED AREAS OUTSIDE OF THE PROPOSED ROADWAY SECTION SHALL BE RESEED AND MULCHED WITH NATIVE GRASSES PER EL PASO COUNTY SEED MIX



GRADING & EROSION CONTROL PLAN NOTES:

- SEE SHEETS 36-37 FOR EL PASO COUNTY GRADING AND EROSION CONTROL DETAILS.
- ALL STORMWATER MANAGEMENT MEASURES SHOWN ON THIS PLAN MUST BE INSTALLED AND MAINTAINED PER THE EL PASO COUNTY STORMWATER CONSTRUCTION MANUAL; LATEST REVISIONS.
- AREA WITHIN LIMITS OF DISTURBANCE TO BE CLEARED, GRUBBED AND STOCKPILED PRIOR TO IMPORT OF ANY FILL.
- ALL GREATER THAN 3:1 SLOPES MUST BE RECEIVE SLOPE TRACKING TREATMENT AND EROSION CONTROL BLANKET.
- STOCKPILES REQUIRED DURING ONSITE CONSTRUCTION ACTIVITIES WILL BE PLACED AT THE DISCRETION OF THE CONTRACTOR. STOCKPILING OF MATERIAL MUST NOT OCCUR OUTSIDE THE LIMITS OF DISTURBANCE SHOWN ON THIS PLAN.
- NON-STRUCTURAL CONTROLS (I.E. STREET SWEEPING) WILL BE AT THE DISCRETION OF THE PROJECT'S CERTIFIED GEC ADMINISTRATOR THROUGHOUT THE DURATION OF LAND DISTURBING ACTIVITIES.
- THERE ARE NO ANTICIPATED ASPHALT AND/OR CONCRETE BATCH PLANTS, OR MASONRY MIX STATIONS ASSOCIATED WITH THIS PROJECT. IF THE CONTRACTOR REQUIRES A ASPHALT/CONCRETE BATCH PLANTS OR MASONRY MIX STATIONS, THESE PLANS WILL BE AMENDED AS REQUIRED.
- THERE ARE NO EXISTING PRESERVATION EASEMENTS LOCATED ON SITE.
- ONSITE EXISTING VEGETATION IS NATIVE GRASSES AND WEEDS. THERE IS NO NOTABLE VEGETATION OTHERWISE.
- ALL GRASS SWALES SHALL BE PERMANENTLY SEEDED AND MULCHED. TEMPORARY IRRIGATION TO BE PROVIDED. GRASS SWALE ENDS AT CISTERN LOCATION.
- ALL INITIAL/INTERIM TEMPORARY BMPs TO BE REMOVED UPON FINAL STABILIZATION OF THE SITE.
- ALL DISTURBED AREAS NOT PAVED OR GRAVEL WITHIN THE LOD WILL BE SEEDED AND MULCHED.

PROJECT INFO:

CUT VOLUME: 14,518 CY

FILL VOLUME: 28,473 CY

NET: 13,955 (FILL) CY [UNADJUSTED FOR PAVEMENT DEPTH]

NET: 10,905 (FILL) CY [ADJUSTED FOR 6" PAVEMENT DEPTH]

TABLE 1.1 - STRAW BALE CHECK DAM SPACING

SLOPE @ CHANNEL FLOWLINE (%)	MAX SPACING (FEET)
0.5 - 0.75	200
0.75 - 1	150
1 - 1.25	120
1.25 - 1.5	100
1.5 - 1.75	85
1.75 - 2	75
2-2.5	60

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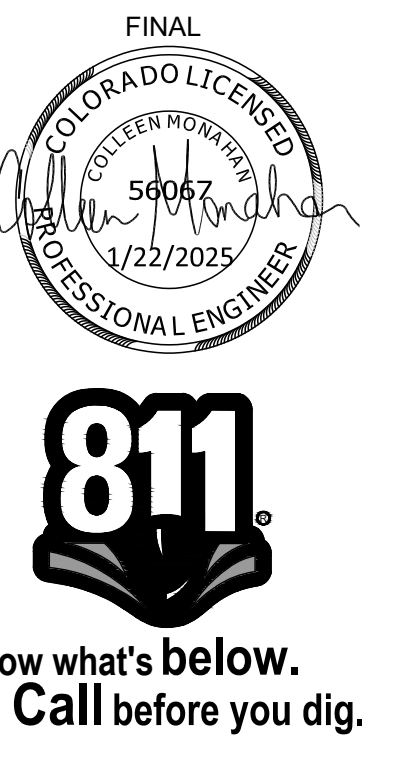
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EASTONVILLE ROAD IMPROVEMENTS
DR. HORTON
 EL PASO COUNTY, COLORADO

EASTONVILLE ROAD SEGMENT 1 IMPROVEMENTS
 GRADING & EROSION CONTROL PLAN

SHEET
GEC.1 14

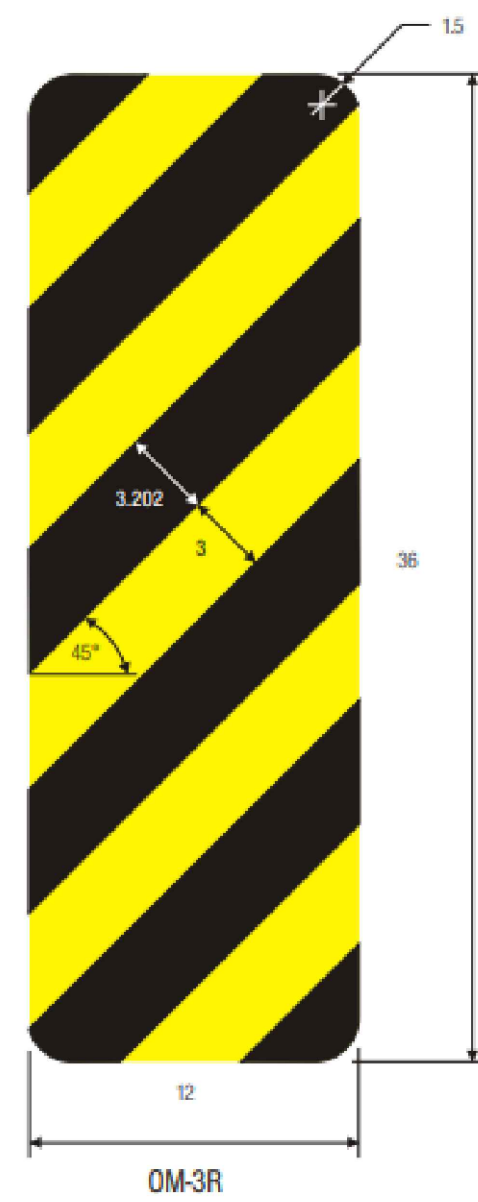


CONSTRUCTION NOTES:

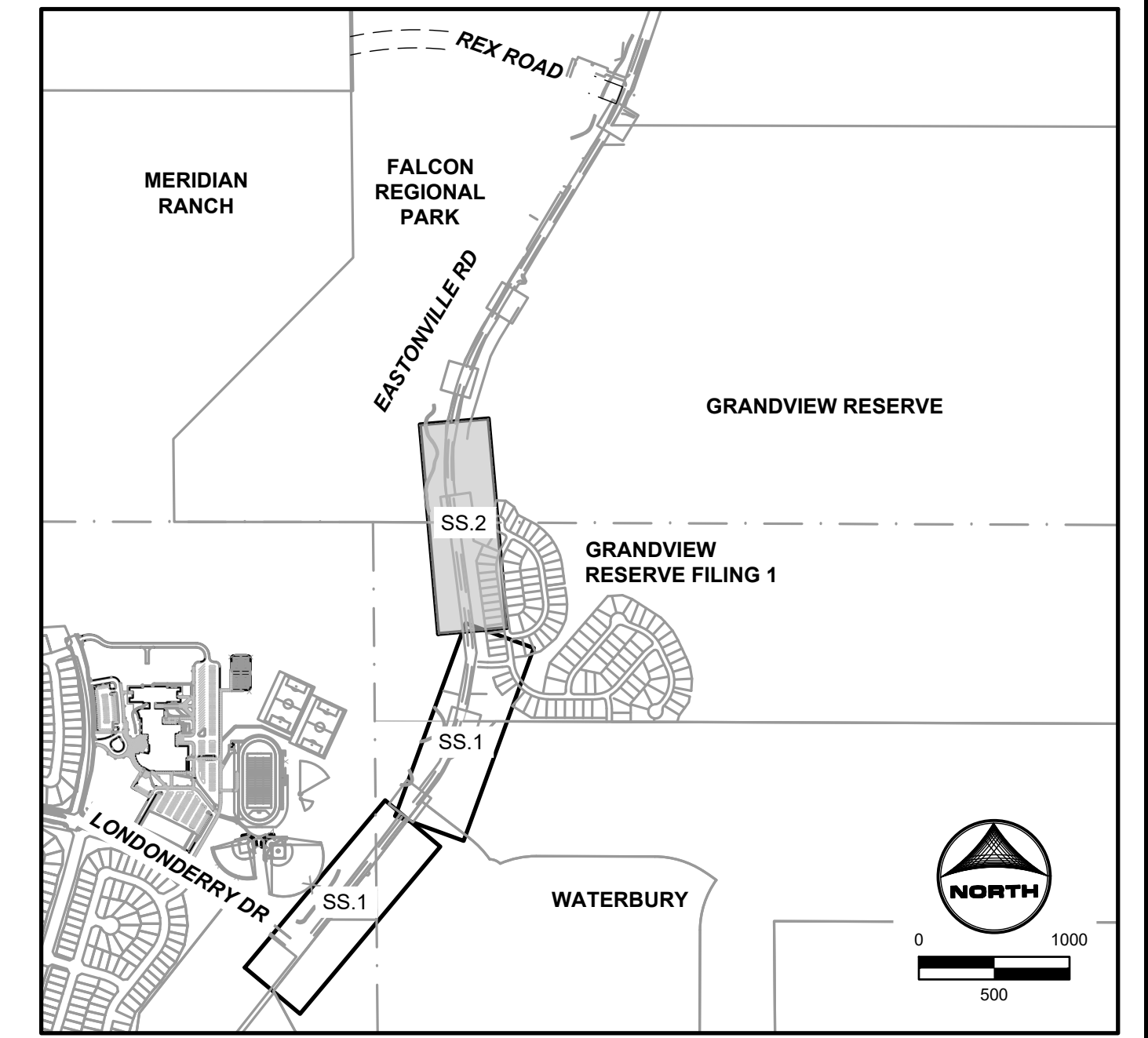
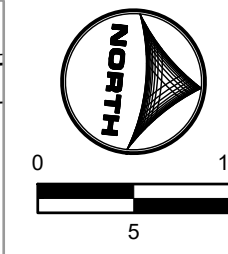
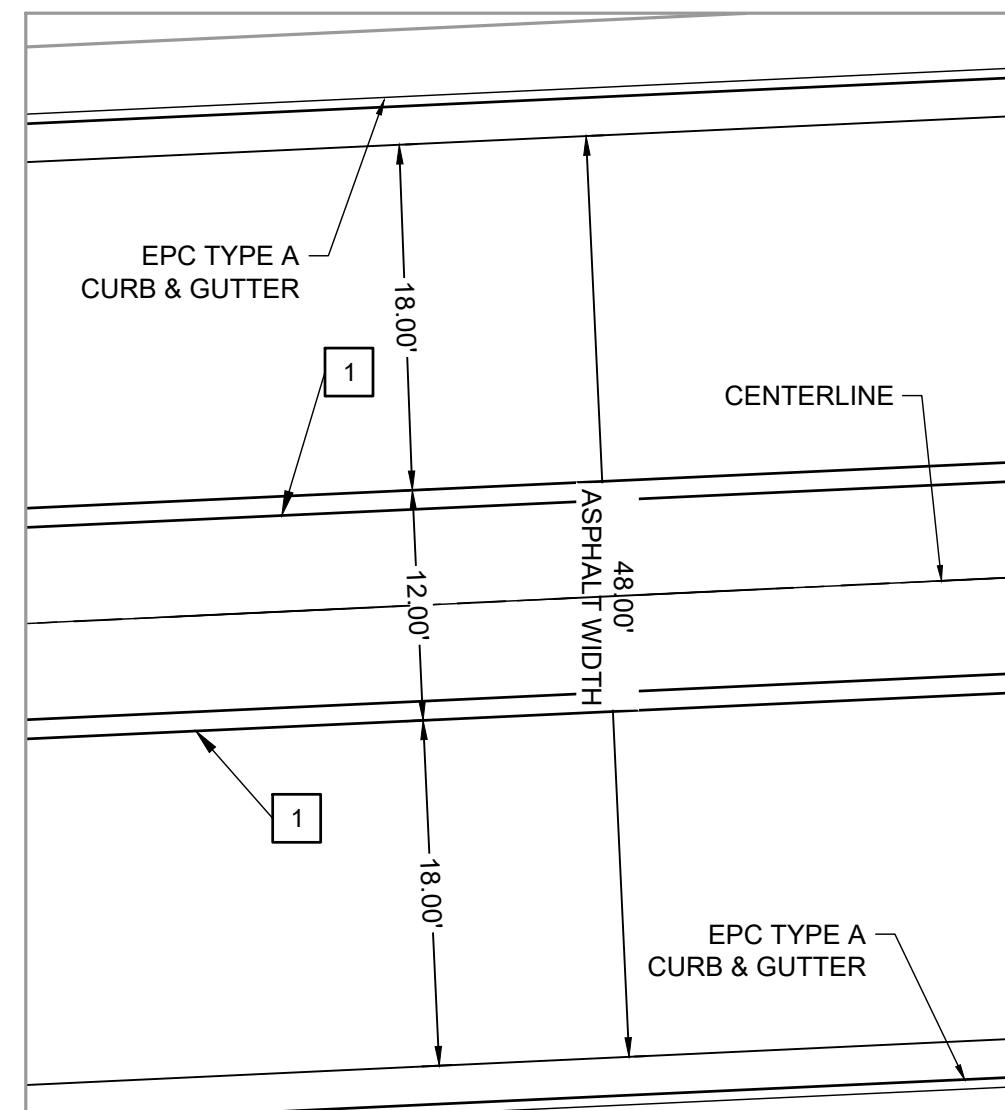
- WHERE CONSTRUCTION DETAILS AND SPECIFICATIONS ARE NOTED ON THESE PLANS USE EL PASO COUNTY STANDARD SPECIFICATIONS FOR DESIGN AND CONSTRUCTION.
- ALL SIGNING AND PAVEMENT MARKINGS SHALL BE IN ACCORDANCE WITH THE FEDERAL HIGHWAY ADMINISTRATION MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES (MUTCD) LATEST EDITION.
- ALL PAVEMENT MARKINGS TO BE THERMO-PLASTIC OR APPROVED EQUAL.

STRIPING LEGEND:

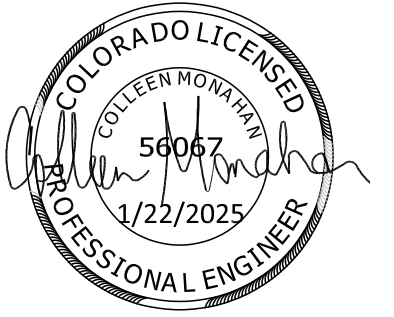
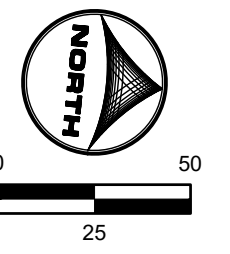
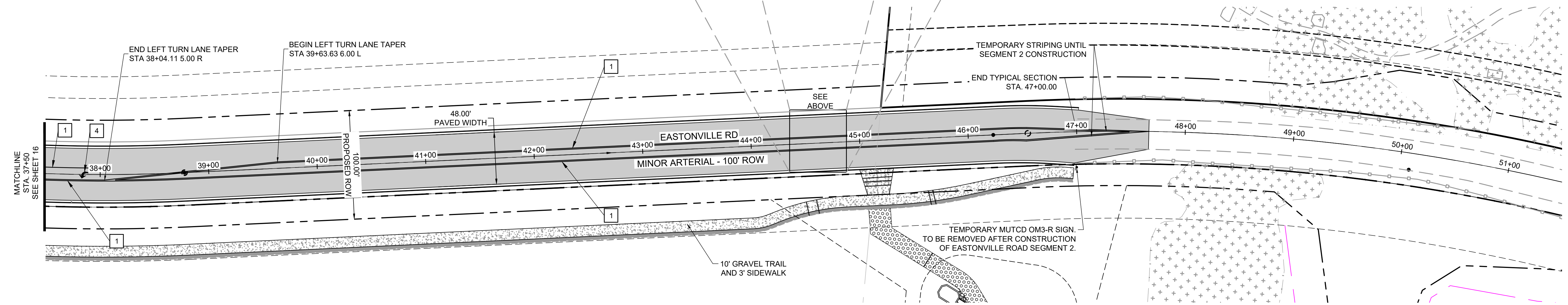
- LANE LINE (4" SOLID DOUBLE YELLOW STRIPE)
- LANE LINE (4" SOLID YELLOW STRIPE)
- LANE LINE (6" SOLID WHITE STRIPE)
- LEFT TURN LANE ARROW (NARROW TYPE, SOLID WHITE, 6" WIDE, 8')
- RIGHT TURN LANE ARROW (NARROW TYPE, SOLID WHITE, 6" WIDE, 8')
- STOP LINE (24" SOLID WHITE)
- TYPE III BARRICADE (TEMPORARY)
- THROUGH LANE ARROW (NARROW TYPE, SOLID WHITE, 6" WIDE, 8')



COLORS: STRIPES -BLACK
BACKGROUND-YELLOW (RETROREFLECTIVE)



KEYMAP



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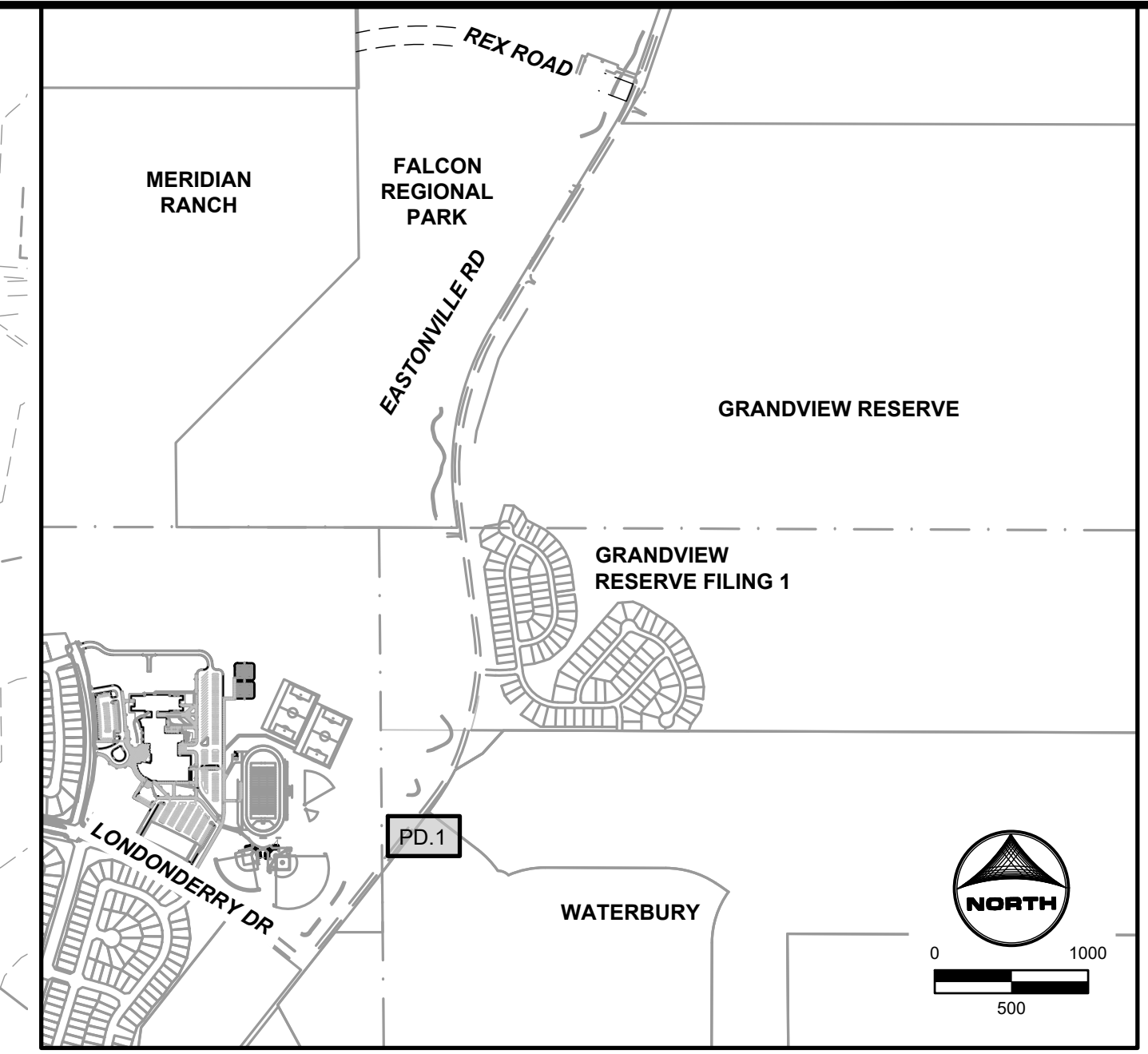
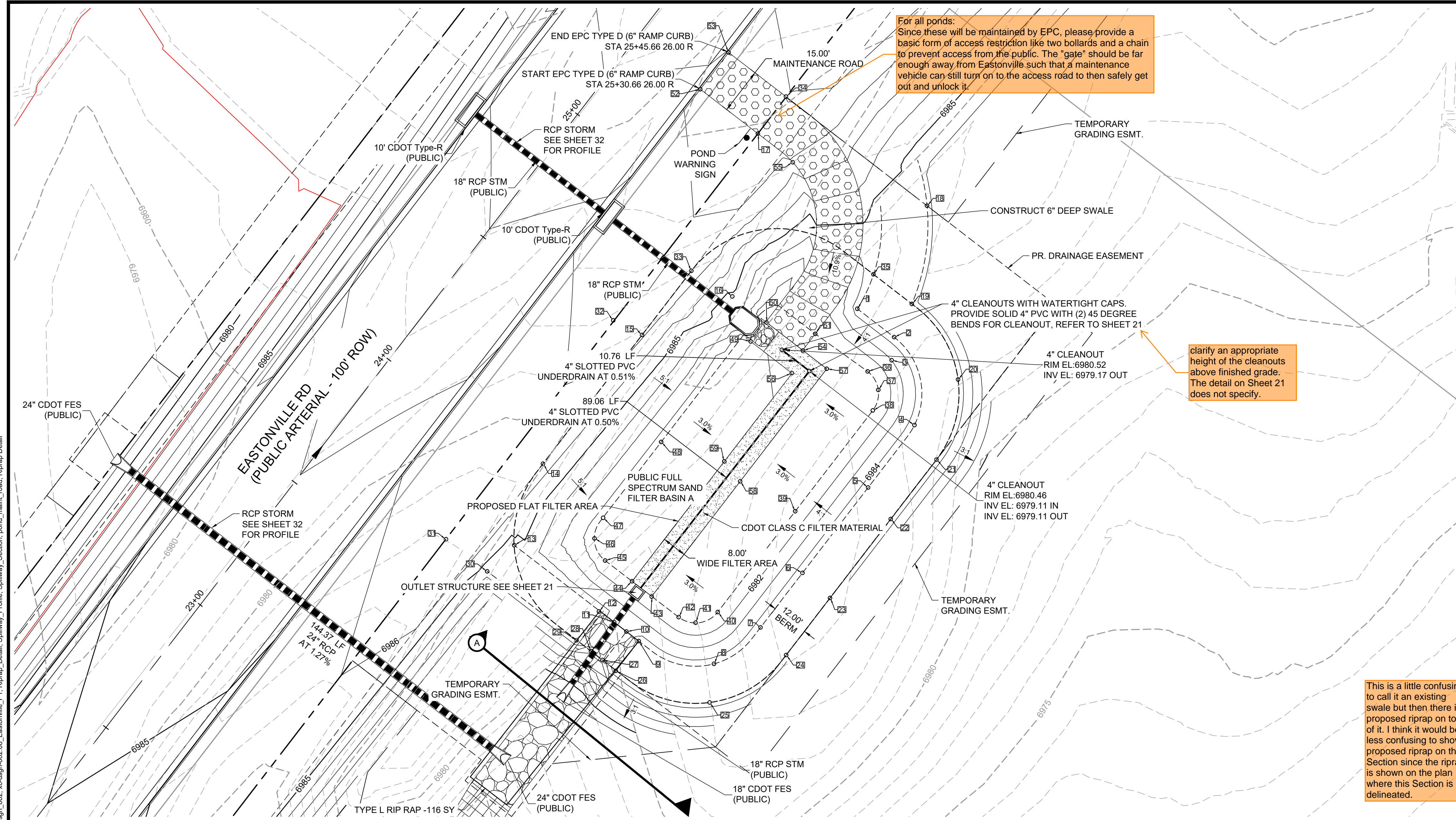
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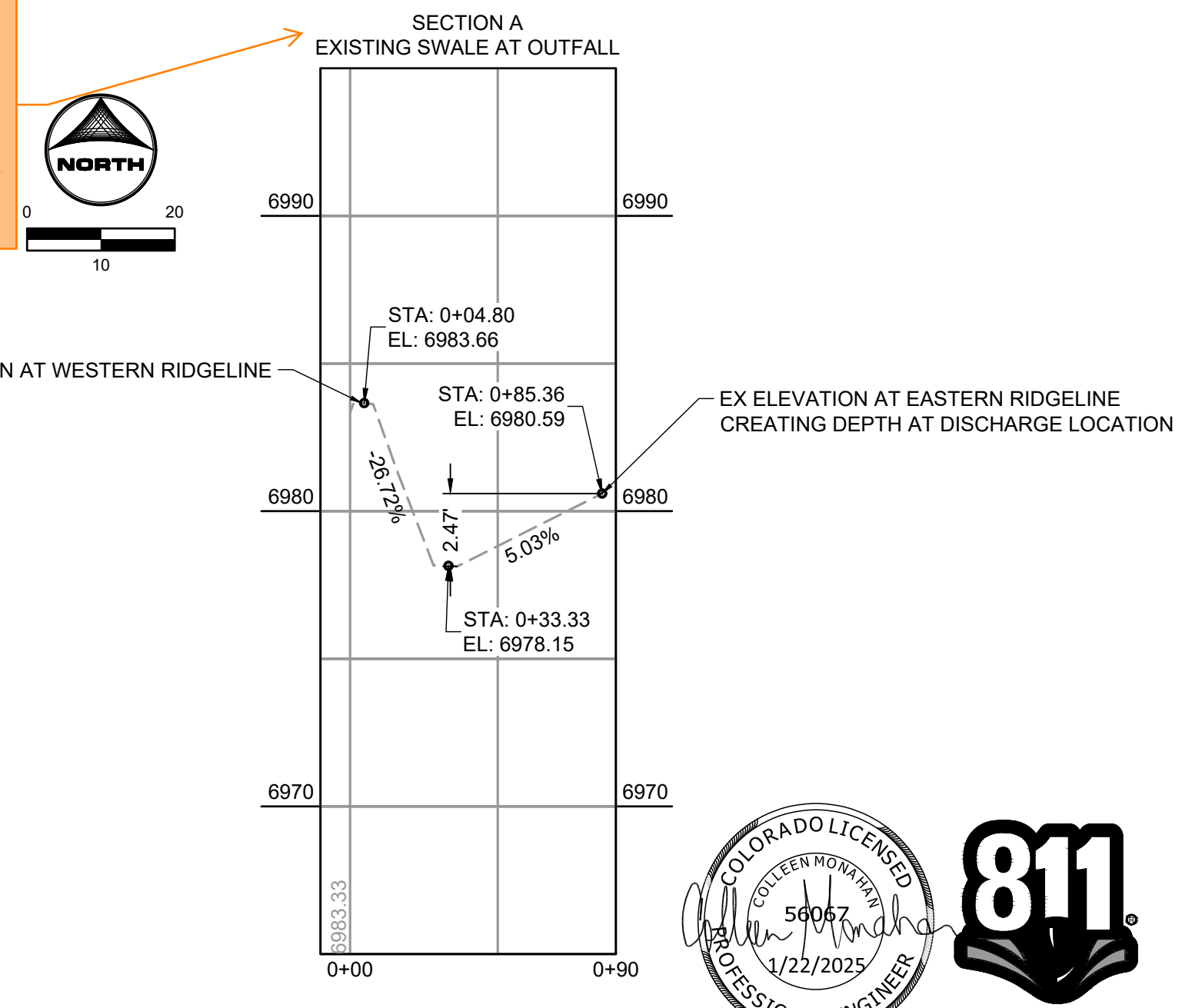
EASTONVILLE ROAD IMPROVEMENTS
DR. HORTON
 EL PASO COUNTY, COLORADO

EASTONVILLE ROAD SEGMENT 1 IMPROVEMENTS
 SIGNAGE & STRIPING PLAN II

SHEET
SS.2
 17



- GRADING NOTES:**
- ALL PROPOSED CONTOURS ARE TO FINISHED GRADE.
 - EARTHEN CUT AND FILL SLOPES SHALL BE 3:1 MAXIMUM. SLOPES IN EXCESS OF 4:1 AND AREAS OTHERWISE INDICATED BY WITHIN THESE PLANS, SHALL BE COVERED WITH SOIL RETENTION BLANKET OVER 4" MIN. THICKNESS OF TOPSOIL AND SEEDED.
 - IF THE PROJECT IS CONSTRUCTED DURING THE SUMMER WHEN SEEDING IS NOT ALLOWED, APPLY 1-1/2 TONS OF CERTIFIED WEED FREE MULCH PER ACRE MECHANICALLY CRIMPED INTO THE SOIL IN COMBINATION WITH AN ORGANIC MULCH TACKIFIER.
 - PRIOR TO ANY CONSTRUCTION ACTIVITIES THE PROPOSED SILT FENCE SHOWN ON THE EROSION CONTROL SHEET SHALL BE CONSTRUCTED. THE FENCE SHALL BE REMOVED UPON THE LATER OF STABILIZATION OF THE SITE OR COMPLETION OF CONSTRUCTION.
 - TO REDUCE THE POTENTIAL FOR CLOGGING OF DEBRIS GRATES, NO STRAW MULCH SHALL BE USED WITHIN THE EURV OR WQCV OF A DETENTION BASIN. INSTEAD, EROSION CONTROL BLANKETS SHALL BE INSTALLED FOR A WIDTH OF AT LEAST 6 FEET ON EITHER SIDE OF CONCRETE LOW-FLOW CHANNELS. THE BLANKETS SHALL COMPLY WITH THE MATERIALS AND INSTALLATION REQUIREMENTS FOR EROSION CONTROL BLANKETS (STRAW COCONUT OR 100 PERCENT COCONUT.) SITE-SPECIFIC CONDITIONS MAY REQUIRE ADDITIONAL BLANKET OR OTHER EROSION CONTROL MEASURES.



POINT TABLE			POINT TABLE			POINT TABLE			POINT TABLE			POINT TABLE			POINT TABLE									
No.	DESC.	NORTHING & EASTING	ELEV.	No.	DESC.	NORTHING & EASTING	ELEV.	No.	DESC.	NORTHING & EASTING	ELEV.	No.	DESC.	NORTHING & EASTING	ELEV.	No.	DESC.	NORTHING & EASTING	ELEV.					
1	TOP	N: 1418521.76 E: 3264554.92	6984.50	12	TOP	N: 1418423.94 E: 3264471.40	6984.50	23	TOP	N: 1418428.30 E: 3264546.09	6984.50	34	TOP	N: 1418590.32 E: 3264531.85	6988.95	45	BOP	N: 1418440.41 E: 3264473.39	6981.26	56	MAINT. RD	N: 1418500.96 E: 3264533.74	6981.00	
2	TOP	N: 1418512.61 E: 3264566.81	6984.50	13	TOP	N: 1418445.37 E: 3264443.99	6984.50	24	TOP	N: 1418409.86 E: 3264531.90	6984.50	35	TOP	N: 1418532.91 E: 3264560.11	6984.49	46	BOP	N: 1418447.55 E: 3264469.95	6981.46	57	MAINT. RD	N: 1418502.37 E: 3264545.04	6981.00	
3	TOP	N: 1418505.13 E: 3264566.02	6983.02	14	TOP	N: 1418471.69 E: 3264453.30	6986.54	25	TOP	N: 1418394.53 E: 3264507.17	6984.49	36	BOP	N: 1418501.51 E: 3264558.27	6981.60	47	BOP	N: 1418454.20 E: 3264472.73	6981.60	58	MAINT. RD	N: 1418465.99 E: 3264517.05	6981.00	
4	TOP	N: 1418484.19 E: 3264573.40	6984.50	15	TOP	N: 1418513.30 E: 3264485.32	6987.16	26	TOP	N: 1418404.75 E: 3264476.79	6984.42	37	BOP	N: 1418495.54 E: 3264561.71	6981.61	48	BOP	N: 1418478.71 E: 3264491.51	6981.60	59	MAINT. RD	N: 1418472.44 E: 3264511.92	6981.00	
5	TOP	N: 1418464.00 E: 3264558.42	6984.50	16	TOP	N: 1418525.74 E: 3264514.51	6984.75	27	SW	N: 1418408.27 E: 3264472.51	6983.24	38	BOP	N: 1418488.89 E: 3264559.92	6981.60	49	BOP	N: 1418511.18 E: 3264520.47	6981.00					
6	TOP	N: 1418436.40 E: 3264537.19	6984.50	17	TOP	N: 1418578.37 E: 3264522.78	6988.64	28	SW	N: 1418411.12 E: 3264534.82	6983.30	39	BOP	N: 1418456.32 E: 3264534.85	6981.60	50	BOP	N: 1418517.33 E: 3264525.54	6981.00					
7	TOP	N: 1418418.79 E: 3264523.63	6984.50	18	TOP	N: 1418555.06 E: 3264577.45	6984.50	29	TOP	N: 1418414.62 E: 3264464.17	6984.48	40	BOP	N: 1418423.75 E: 3264509.78	6981.60	51	BOP	N: 1418513.65 E: 3264541.32	6981.23					
8	TOP	N: 1418407.01 E: 3264508.57	6984.50	19	TOP	N: 1418523.33 E: 3264572.55	6984.50	30	TOP	N: 1418436.89 E: 3264435.27	6984.49	41	BOP	N: 1418420.32 E: 3264502.64	6981.41	52	BEGIN MAINT. RD	N: 1418592.70 E: 3264504.16	6988.17					
9	TOP	N: 1418414.37 E: 3264484.27	6984.50	20	TOP	N: 1418498.90 E: 3264487.49	6984.48	31	TOP	N: 1418447.29 E: 3264497.16	6986.41	42	BOP	N: 1418422.11 E: 3264497.16	6981.26	53	BEGIN MAINT. RD	N: 1418604.59 E: 3264513.31	6988.48					
10	SW	N: 1418417.44 E: 3264480.27	6983.24	21	TOP	N: 1418473.04 E: 3264480.52	6984.50	32	TOP	N: 1418518.02 E: 3264476.02	6987.33	43	BOP	N: 1418428.75 E: 3264488.43	6981.02	54	MAINT. RD/BP	N: 1418508.26 E: 3264537.33	6981.00					
11	SW	N: 1418420.49 E: 3264476.31	6983.24	22	TOP	N: 1418453.81 E: 3264565.72	6984.50	33	TOP	N: 1418433.03 E: 3264501.27	6987.56	44	BOP	N: 1418433.70 E: 3264482.10	6981.00	55	MAINT. RD/BP	N: 1418569.09 E: 3264534.05	6987.85					

ABBREVIATIONS
 TC = TRICKLE CHANNEL
 BP/BOP = BOTTOM OF POND
 TOP = TOP OF POND
 SW = SPILLWAY

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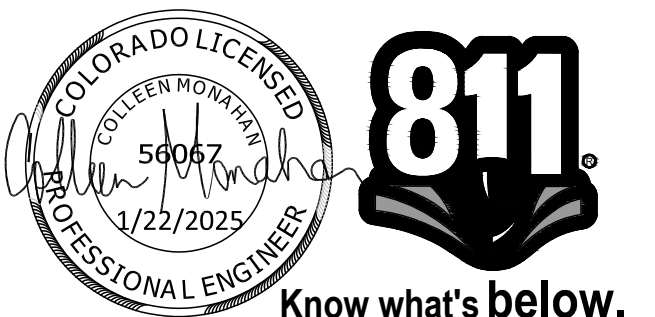
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 EL PASO COUNTY, COLORADO

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 America's Builder

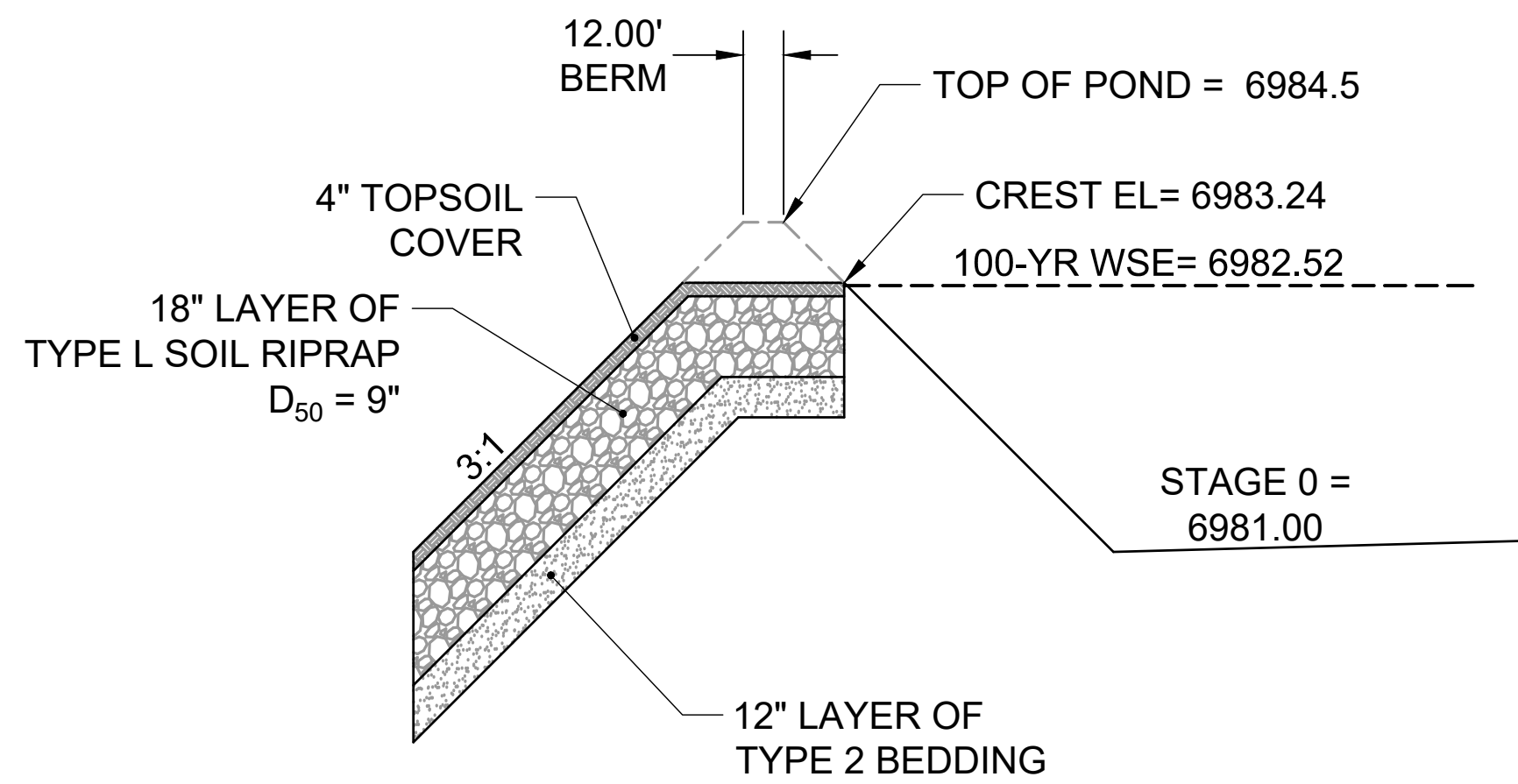
EASTONVILLE ROAD SEGMENT 1 IMPROVEMENTS
 SFB A (PUBLIC) GRADING PLAN

SHEET PD.1 18



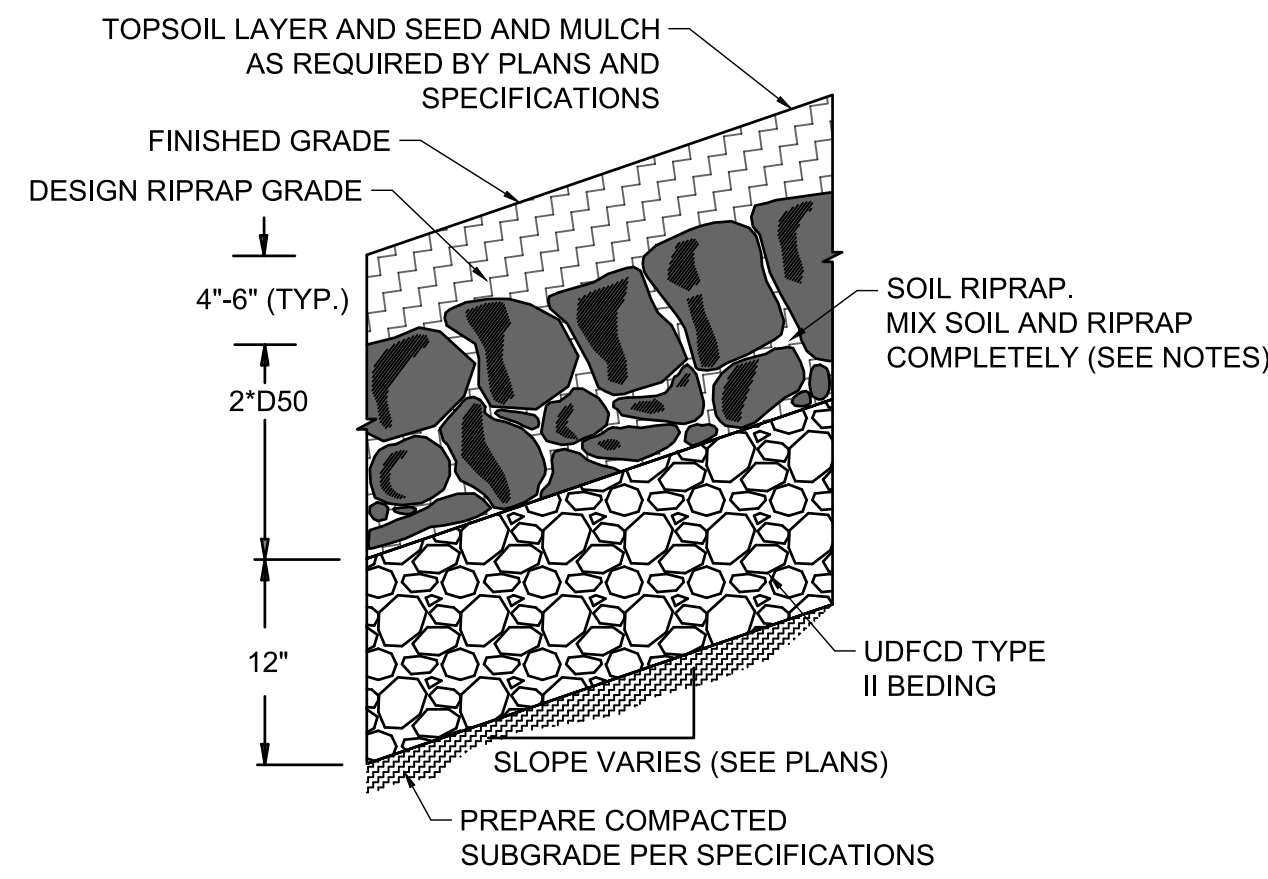
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Know what's below.
 Call before you dig.



**PROFILE VIEW –
EMERGENCY OVERFLOW SPILLWAY**

SCALE: NTS



**SOIL RIPRAP EMBANKMENT PROTECTION
WITH BEDDING TYP. SECTION**

N.T.S

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

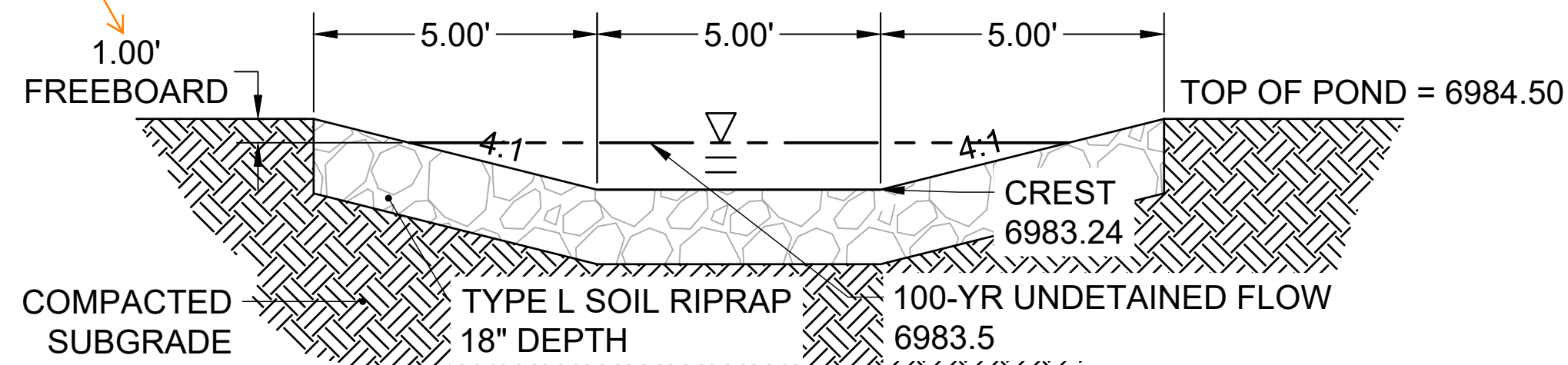
RIPRAP DETAIL

SCALE: NTS

RIPRAP NOTES.

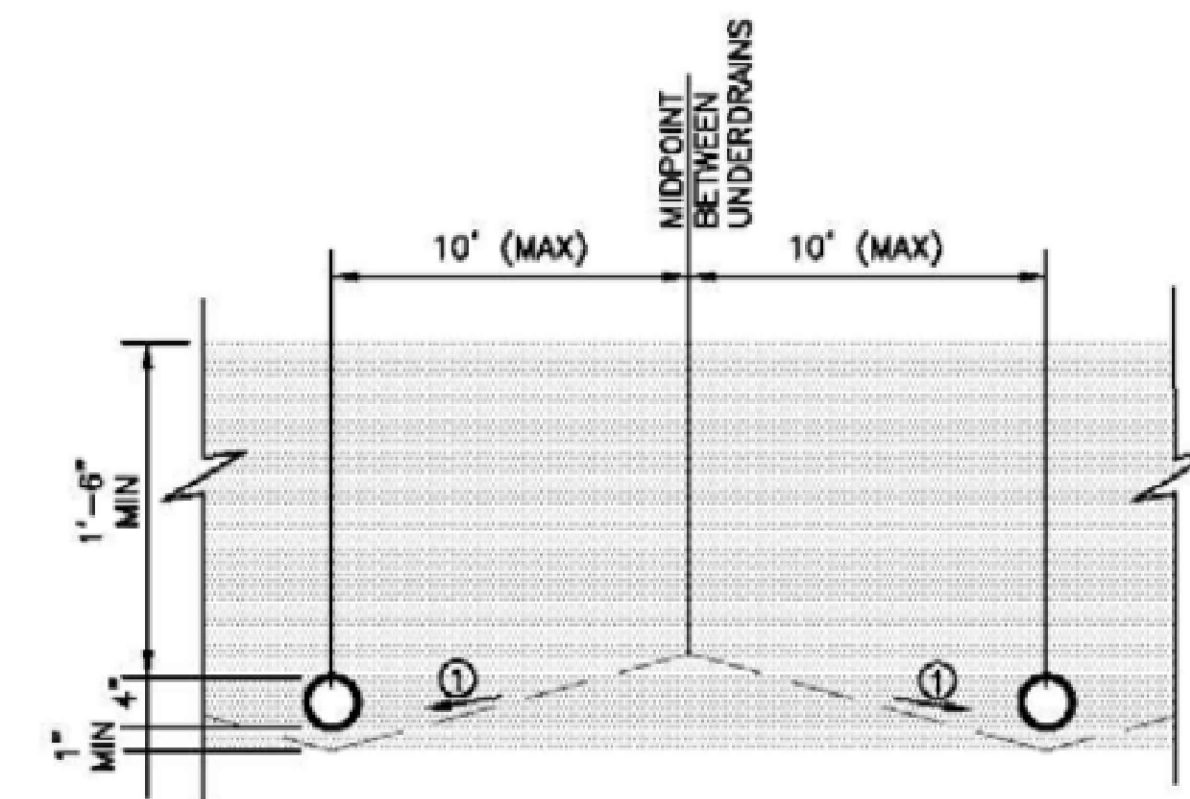
- SOIL RIPRAP DETAILS ARE APPLICABLE TO SLOPED AREAS REFER TO THE SITE PLAN ACTUAL LOCATION AND LIMITS.
- MIX UNIFORMLY 65% RIPRAP BY VOLUME WITH 35% OF APPROVED SOIL BY VOLUME PRIOR TO PLACEMENT.
- PLACE STONE-SOIL MIX TO RESULT IN SECURELY INTERLOCKED ROCK AT THE DESIGN THICKNESS AND GRADE. COMPACT AND LEVEL TO ELIMINATE ALL VOIDS AND ROCKS PROJECTING ABOVE DESIGN RIPRAP TOP GRADE. CRIMP OR TACKIFY MULCH OR USE APPROVED HYDROMULCH AS CALLED FOR IN THE PLANS AND SPECIFICATIONS.
- ROCK SHALL BE HARD, DURABLE, ANGULAR IN SHAPE, AND FREE FROM CRACKS, OVERBURDEN, SHALE, AND ORGANIC MATTER.
- NEITHER BREADTH NOR THICKNESS OF A SINGLE STONE SHOULD BE LESS THAN ONE-THIRD ITS LENGTH, AND ROUNDED STONE SHOULD BE AVOIDED.
- 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 LEDGE ROCK PROCEDURE A).
- 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.

I would clarify that this is a "minimum" because the dimension is actually >1ft.

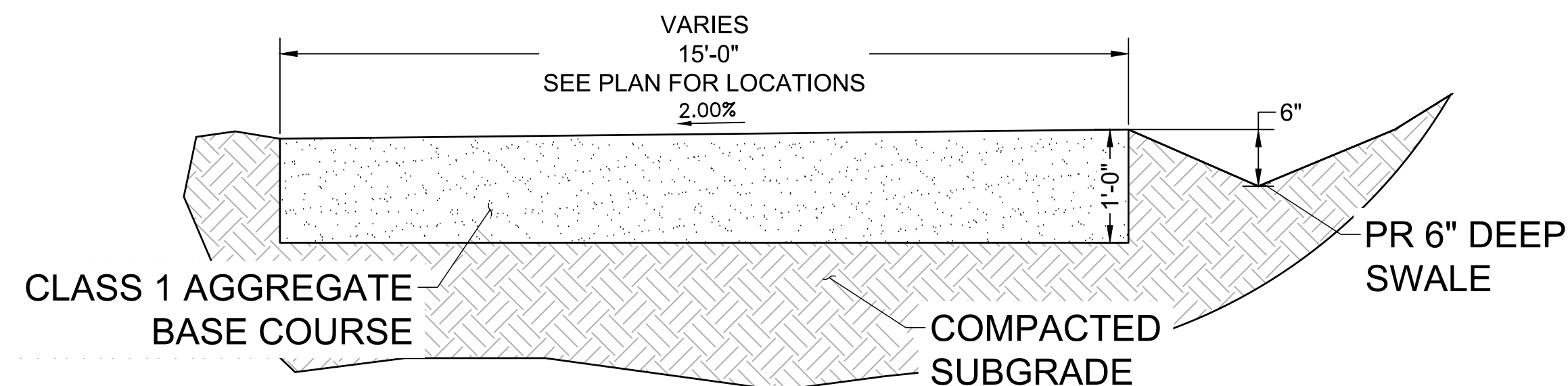


**SECTION VIEW –
EMERGENCY SPILLWAY**

SCALE: NTS



① SLOPE (STRAIGHT GRADE) SUBGRADE (2-10%) TO UNDERDRAIN TO REDUCE SATURATED SOIL CONDITIONS BETWEEN STORM EVENTS (OPTIONAL)



MAINTENANCE ROAD TYPICAL

SECTION

SCALE: NTS

**SECTION VIEW –
SAND FILTER**

SCALE: NTS



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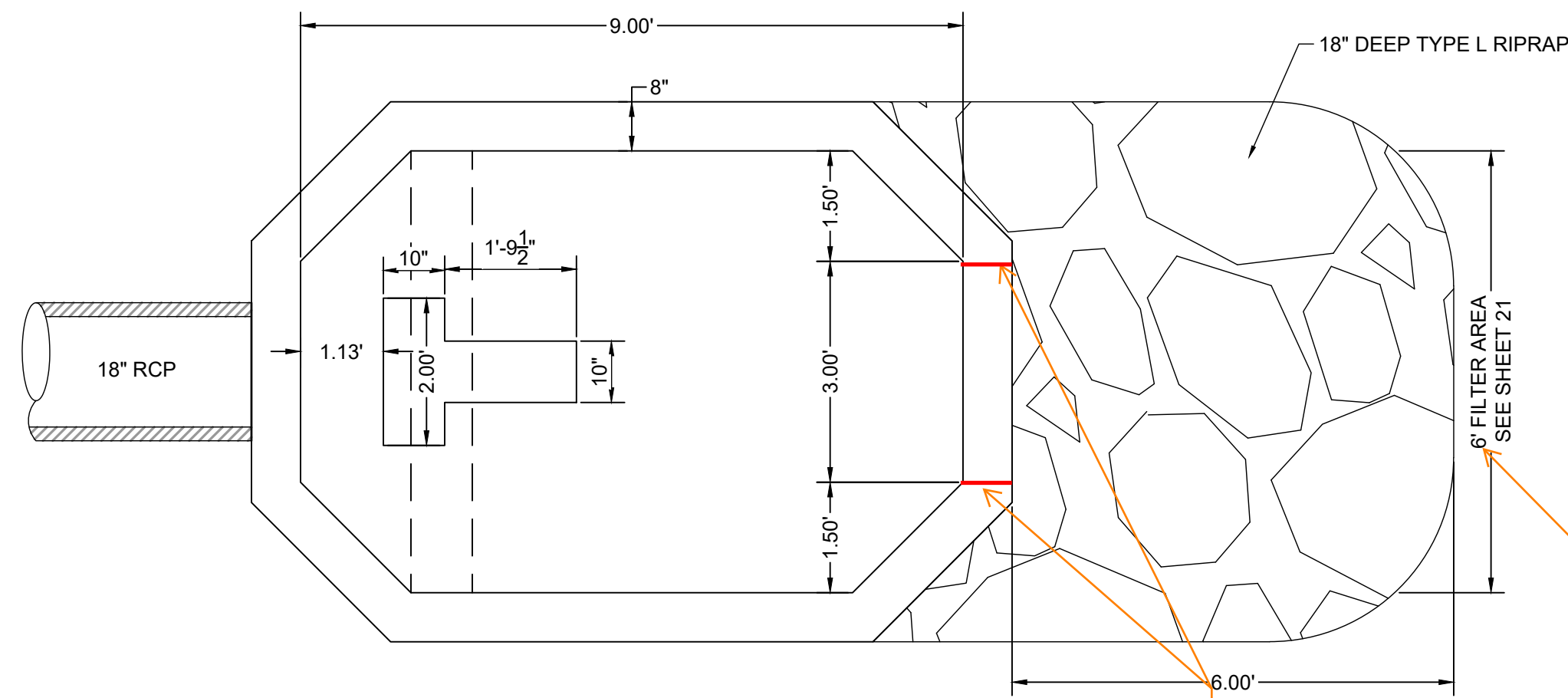
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DR. HORTON
 EL PASO COUNTY, COLORADO



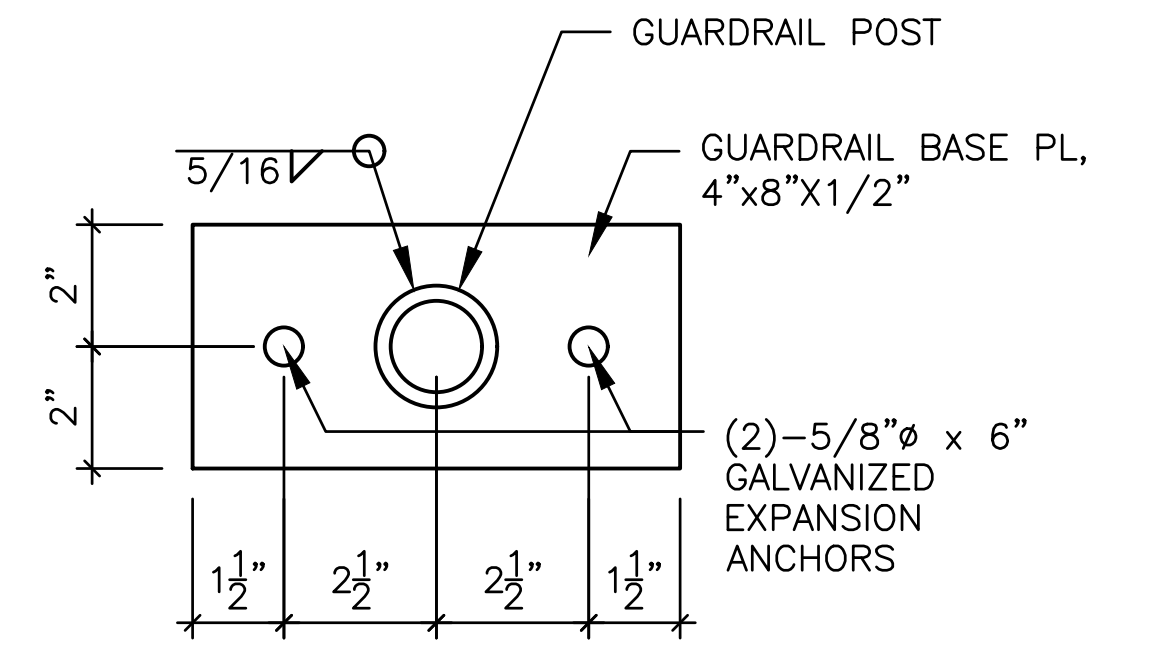
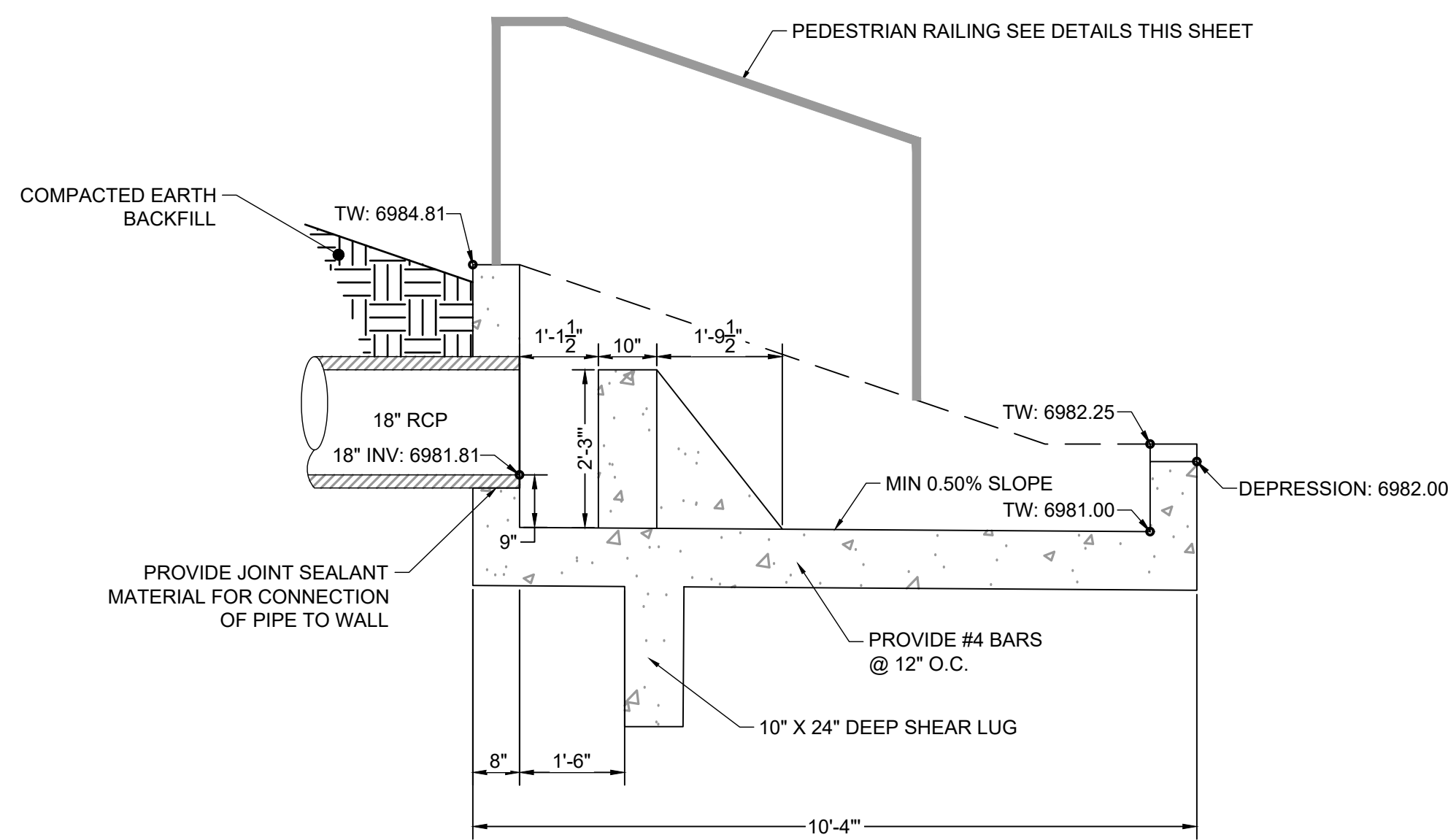
EASTONVILLE ROAD SEGMENT 1 IMPROVEMENTS
 SFB A (PUBLIC) DETAILS

SHEET
PD.2
 19



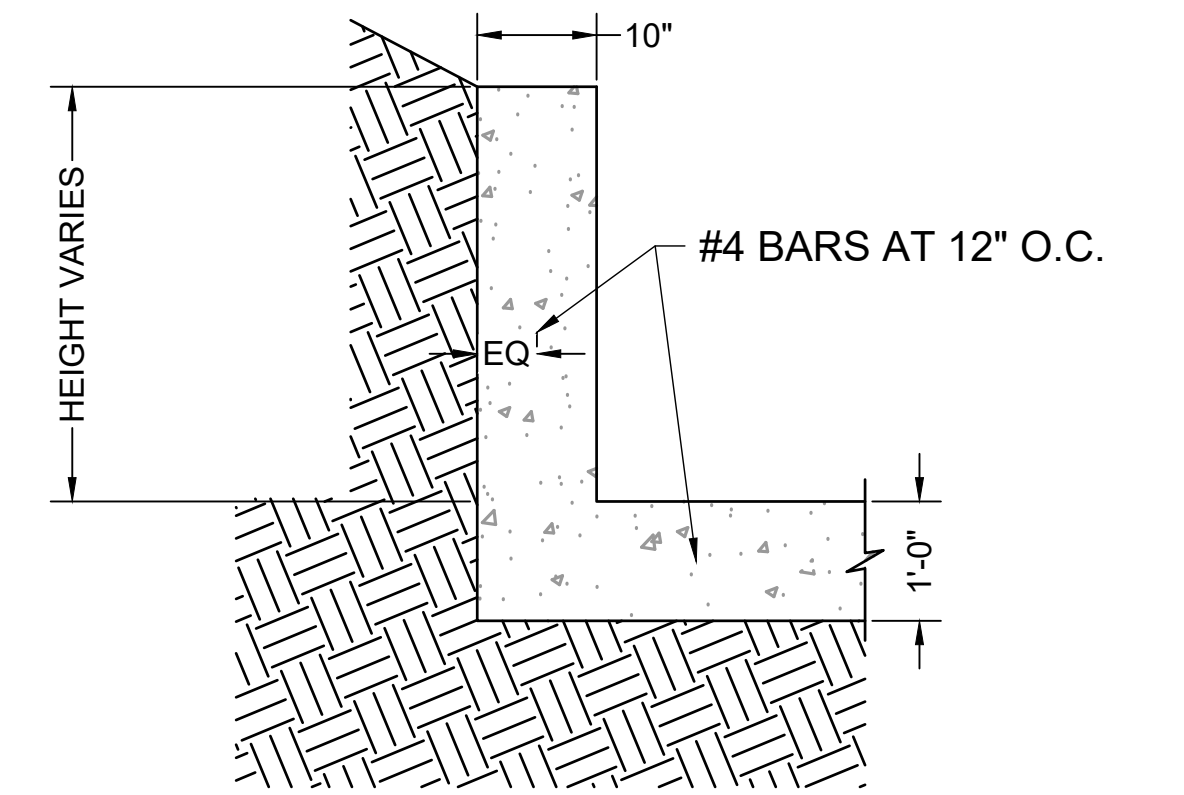
delineate with simple line work where 0.25 wall depth depression occurs. Red lines shown as examples of what I mean.

Sheet 18 shows an 8' wide filter area. Revise to remove discrepancy.



ELEVATION VIEW
HANDRAIL POST DETAIL

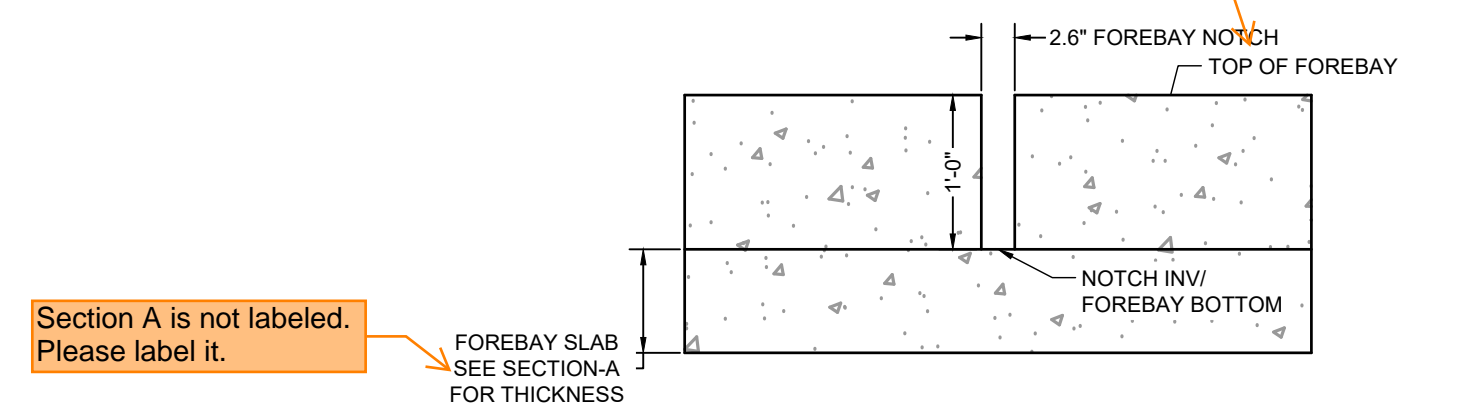
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ELEVATION VIEW
FOREBAY WINGWALL REINFORCEMENT DETAIL

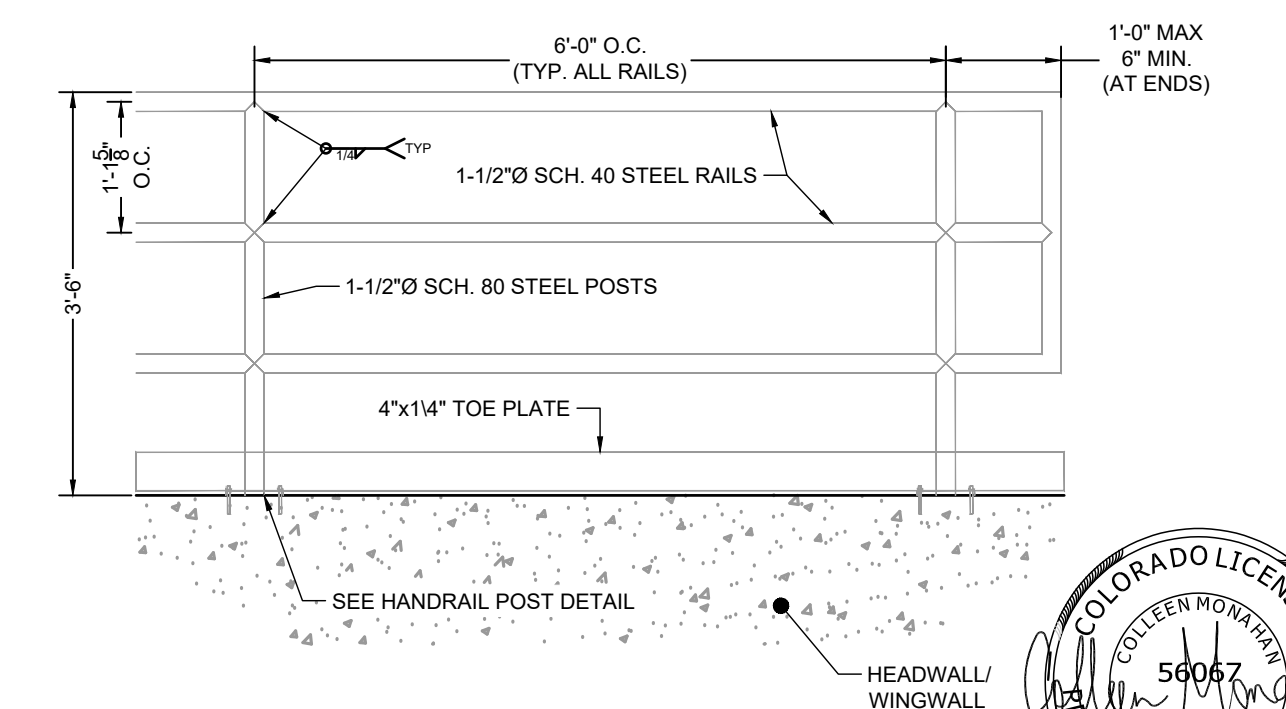
SCALE: NTS

show 0.25 depression on this front wall that is shown on the elevation view to the left.



ELEVATION VIEW
FOREBAY NOTCH DETAIL

SCALE: NTS



ELEVATION VIEW
HANDRAIL POST DETAIL

SCALE: NTS



EDARP FILING NO. CDR2321



DRAWN BY: ACH	JOB DATE: 10/29/2024	BAR IS ONE INCH ON OFFICIAL DRAWINGS.
APPROVED: CMM	JOB NUMBER: 201662.08	0
CAD DATE: 1/20/2025		IF NOT ONE INCH, ADJUST SCALE ACCORDINGLY.
CAD FILE: J:\2020\201662\CAD\Drawings\Eastonville_Road_662.08\Segment_1\CD\Road_CD\Forebay_Details-SFB-A		

NO.	DATE	BY	REVISION DESCRIPTION

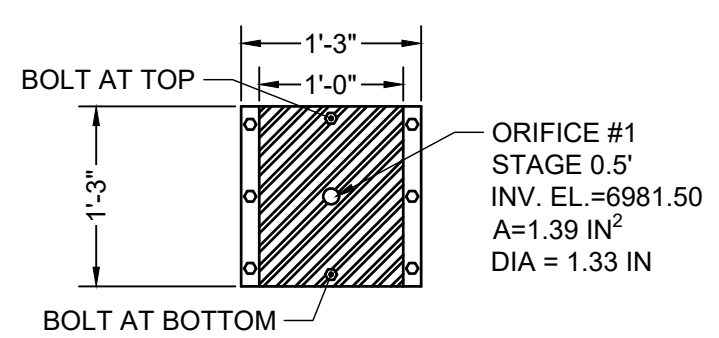
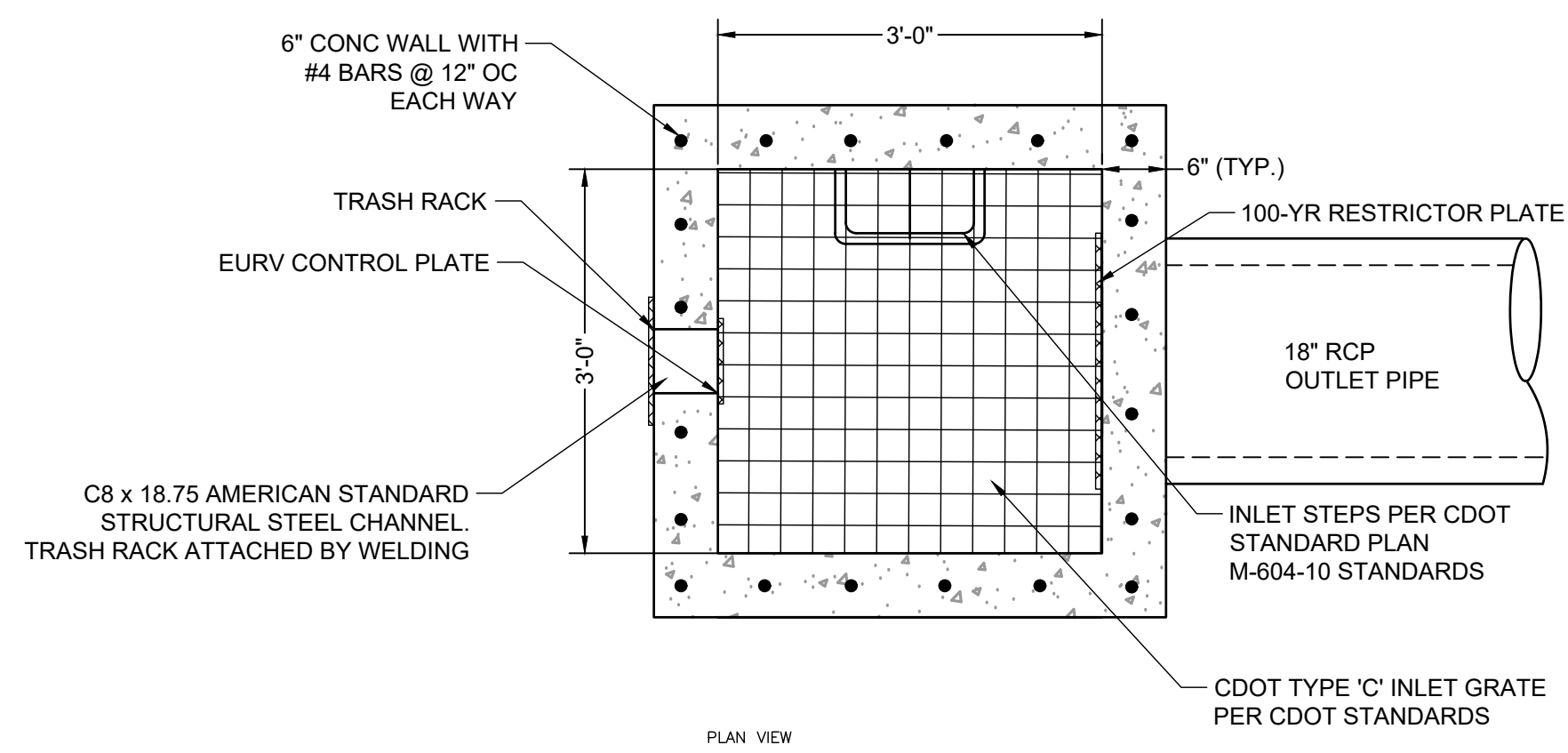
HR Green
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 COLORADO SPRINGS CO 80920
 PHONE: 719.300.4140
 FAX: 713.965.0044

EASTONVILLE ROAD IMPROVEMENTS
DR. HORTON
 EL PASO COUNTY, COLORADO

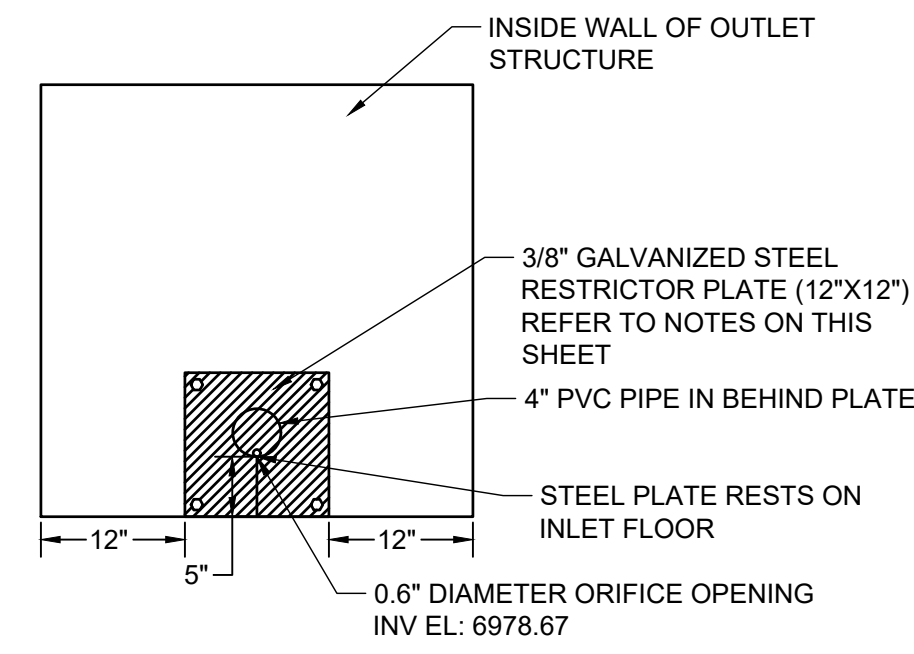
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EASTONVILLE ROAD SEGMENT 1 IMPROVEMENTS
SFB A (PUBLIC) FOREBAY

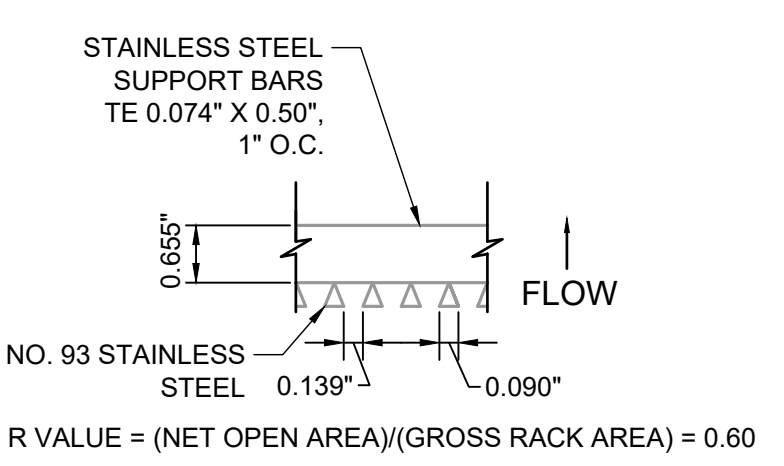
SHEET
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20



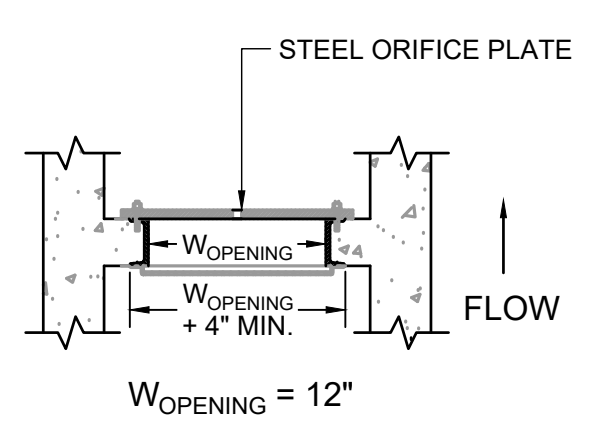
ELEVATION VIEW
ORIFICE PLATE DETAIL
SCALE: 3/4" = 1"



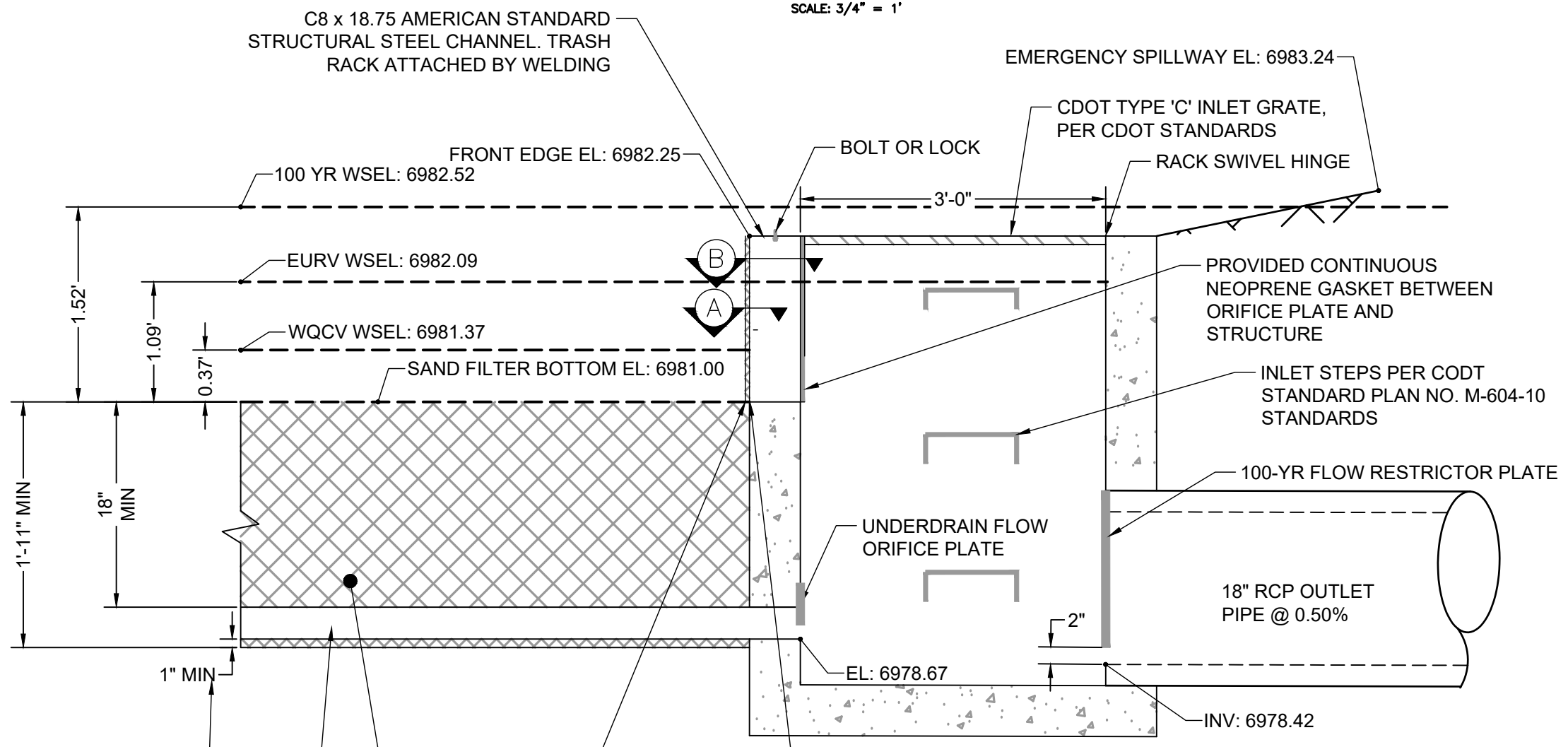
ELEVATION VIEW
UNDERDRAIN PIPE ORIFICE PLATE
SCALE: NTS



PLAN VIEW
TRASH SCREEN DETAIL
SCALE: 3/4" = 1"



PLAN VIEW
TRASH SCREEN AND PLATE DETAIL
SCALE: 3/4" = 1"



ELEVATION VIEW
SAND FILTER OUTLET STRUCTURE PROFILE
SCALE: 3/4" = 1"

CLASS C FILTER MATERIAL (SOURCE: CDOT TABLE 703-7)	
SIEVE SIZE	MASS PERCENT PASSING SQUARE MESH SIEVES
10 mm (3/4")	100
4.75 mm (No. 4)	60 - 100
300 um (No. 50)	10 - 30
150 um (No. 100)	0 - 10
75 um (No. 200)	0 - 3

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

TRASH SCREEN NOTES:

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

RESTRICTOR PLATE NOTES:

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

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

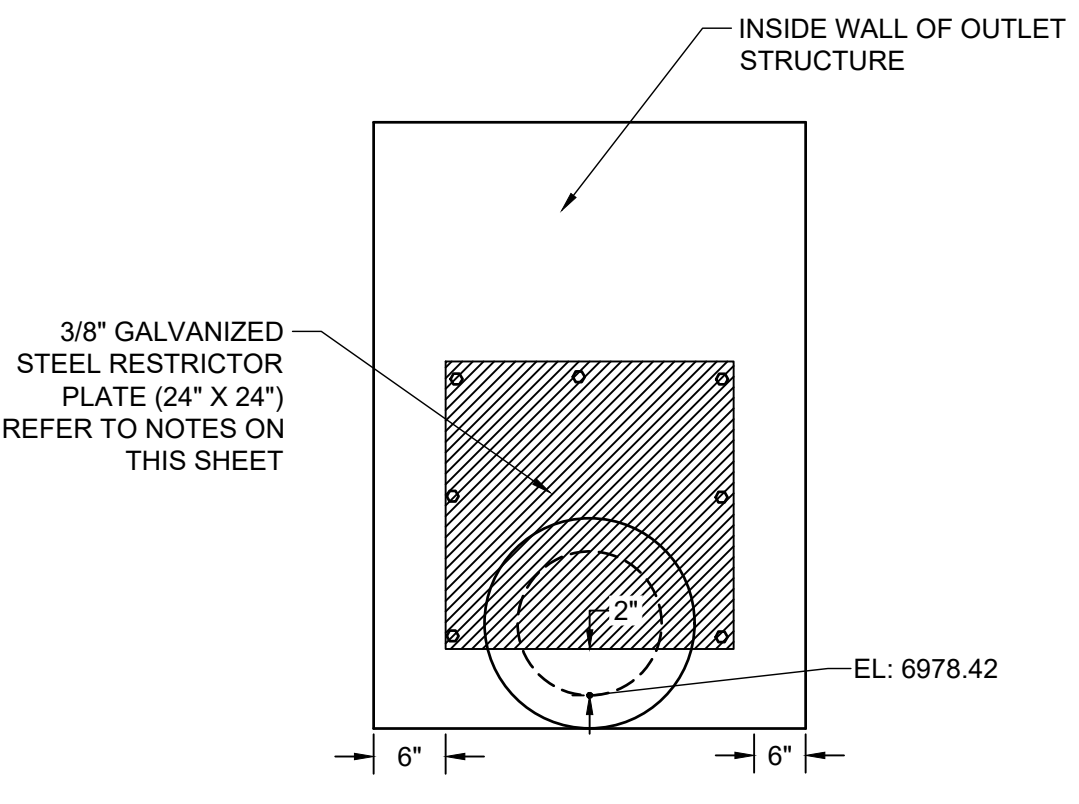
POND WARNING SIGN
SCALE: NTS
MINIMUM SIGN AREA = 3 FT²
SIGNS SHALL BE FABRICATED OF DURABLE MATERIALS, SUCH AS METAL OR PLASTIC, USING RED LETTERING ON A WHITE BACKGROUND

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

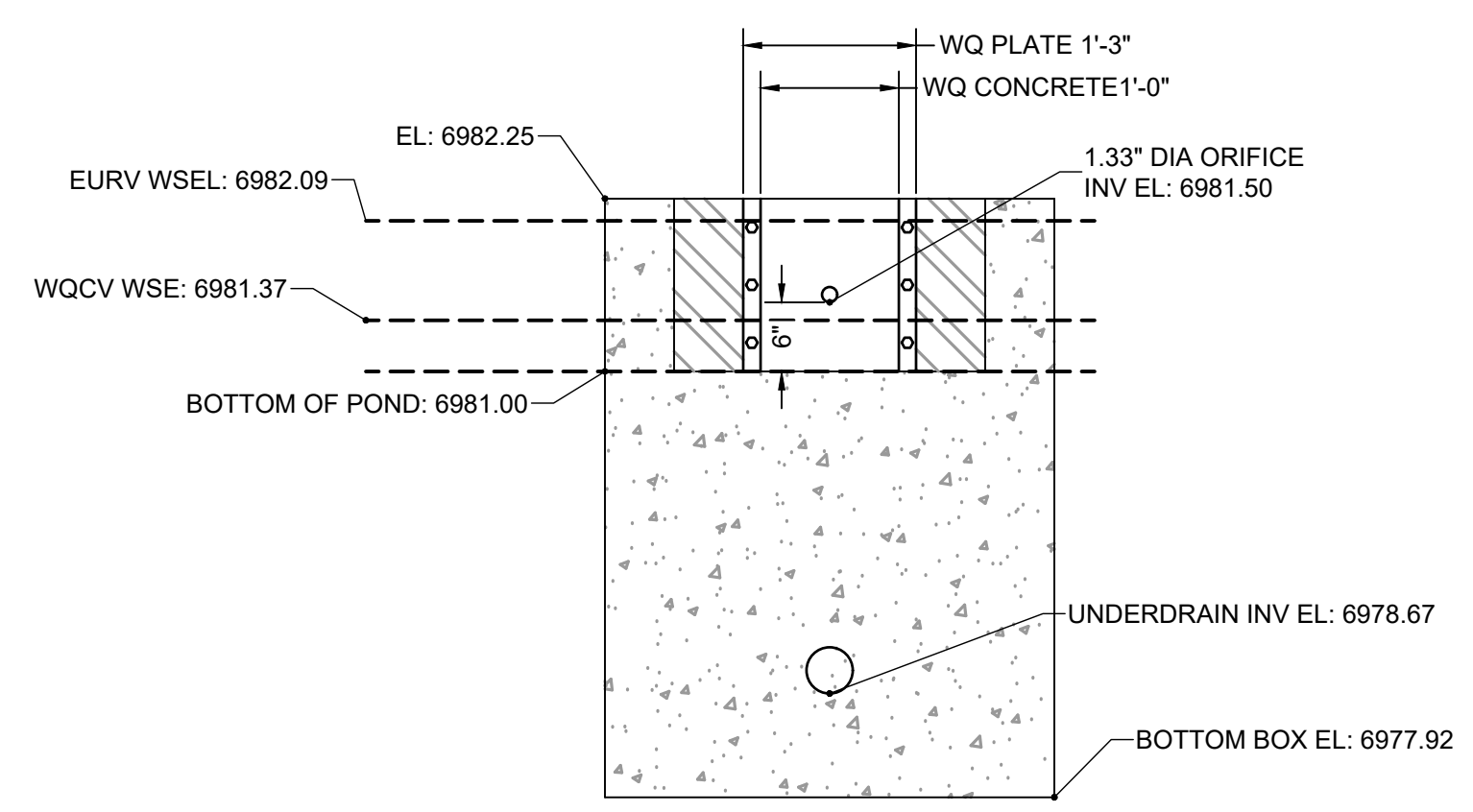
Table SF-2. Dimensions for Slotted Pipe¹

Pipe Size	Slot Length	Maximum Slot Width	Slot Centers	Open Area (per foot)
4"	1-1/16"	0.032"	0.413"	1.90 in ²
6"	1-3/8"	0.032"	0.516"	1.98 in ²

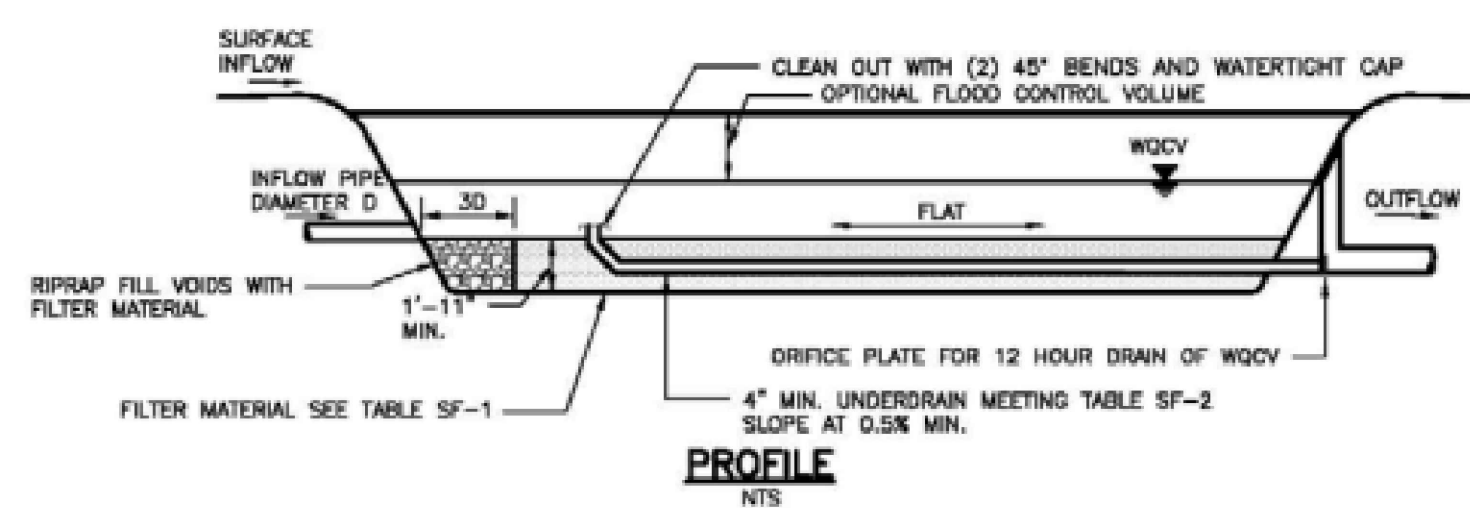
¹ Pipe must conform to requirements of ASTM designation F949. There shall be no evidence of splitting, cracking, or breaking when the pipe is tested per ASTM test method D2412 in accordance with F949 section 7.5 and ASTM F794 section 8.5. Contech A-2000 slotted pipe (or equal).



ELEVATION VIEW
RESTRICTOR PLATE DETAIL
SCALE: NTS



ELEVATION VIEW
UNDERDRAIN PIPE ORIFICE PLATE
SCALE: 3/4" = 1"



NOTE: THIS DETAIL SHOWS A PARTIAL INFILTRATION SECTION. FOR FULL INFILTRATION ELIMINATE UNDERDRAIN AND PROVIDE 1'-8" OF FILTER MATERIAL. FOR NO INFILTRATION PROVIDE IMPERMEABLE MEMBRANE SECURED TO CAST-IN-PLACE CONCRETE WALL. SEE DETAILS SF-2 AND SF-3.

DRAWN BY: AXB JOB DATE: 10/14/2024
 APPROVED: CPM JOB NUMBER: 201662.08
 CAD DATE: 1/20/2025
 CAD FILE: J:\2020\201662\CAD\DWG\CIEastonville_Road_662.08\Segment_1\CDI\Road_CDs\Sand_Outlets

NO.	DATE	BY	REVISION DESCRIPTION

HR GREEN
 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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DR. HORTON
 EL PASO COUNTY, COLORADO

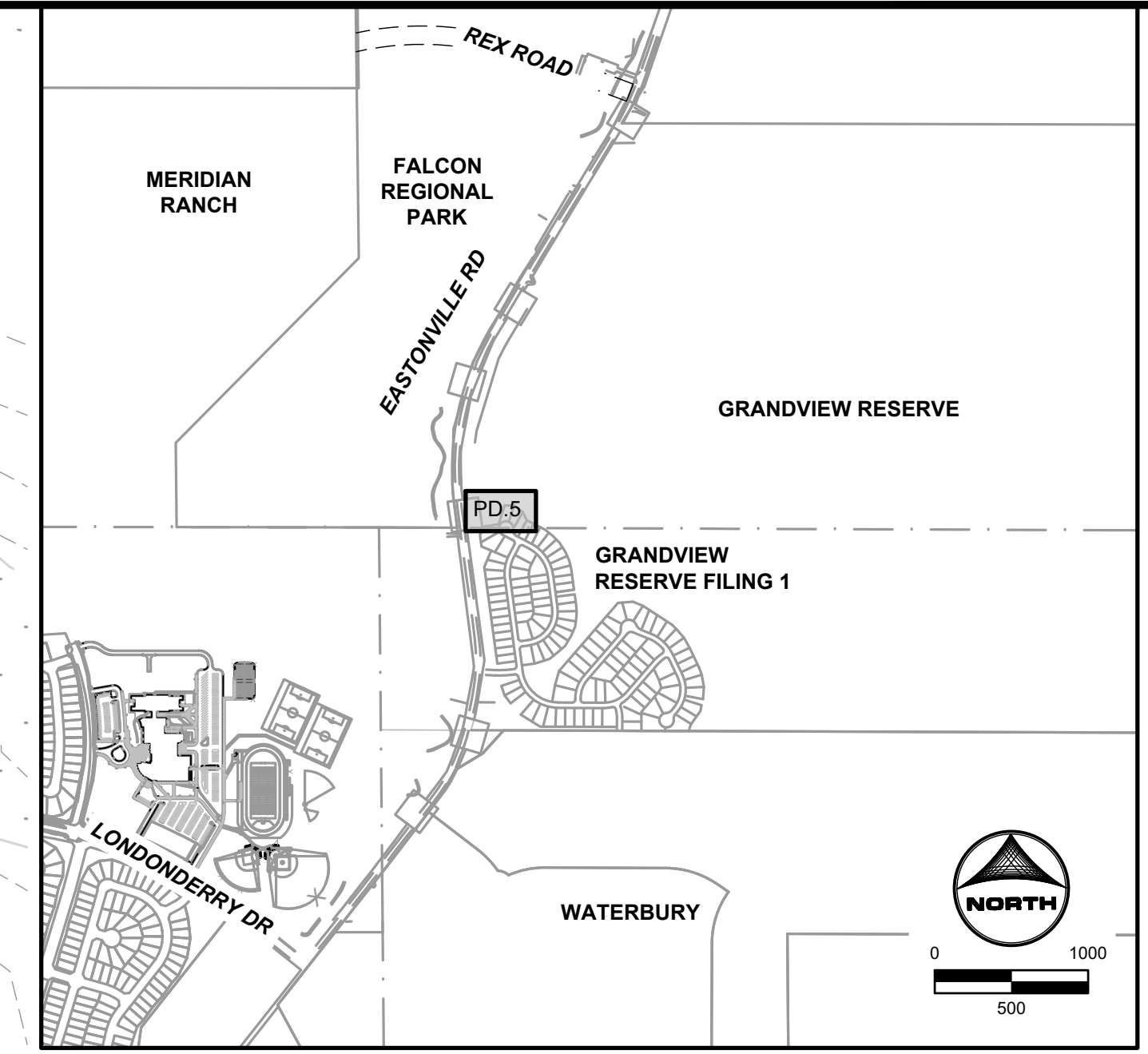
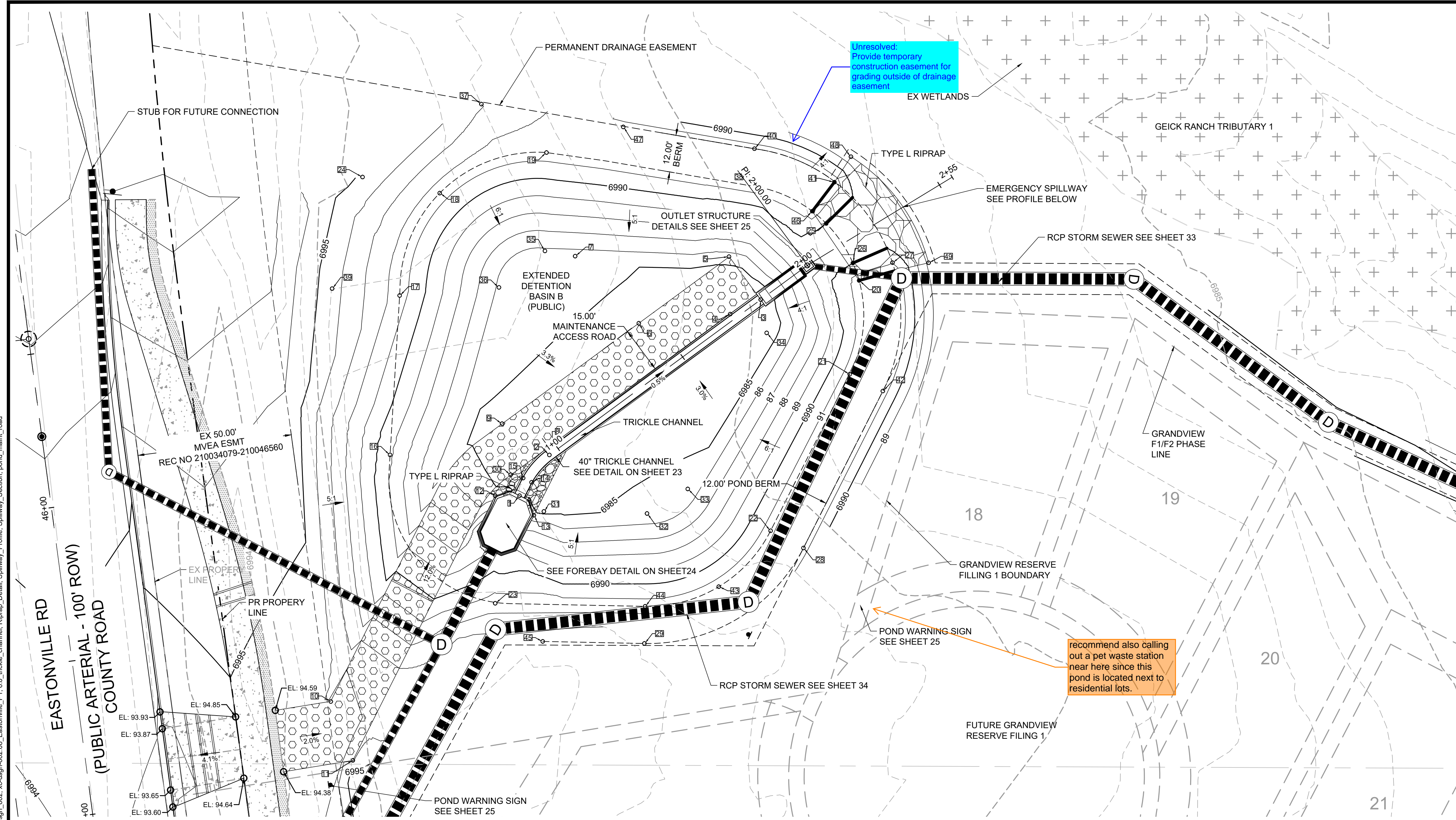
EASTONVILLE ROAD SEGMENT 1 IMPROVEMENTS
 SFB A (PUBLIC) OUTLET STRUCTURE

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 21



EDARP FILING NO. CDR2321

HR GREEN Xref: xref-1-dh01_CD_Road_PWP

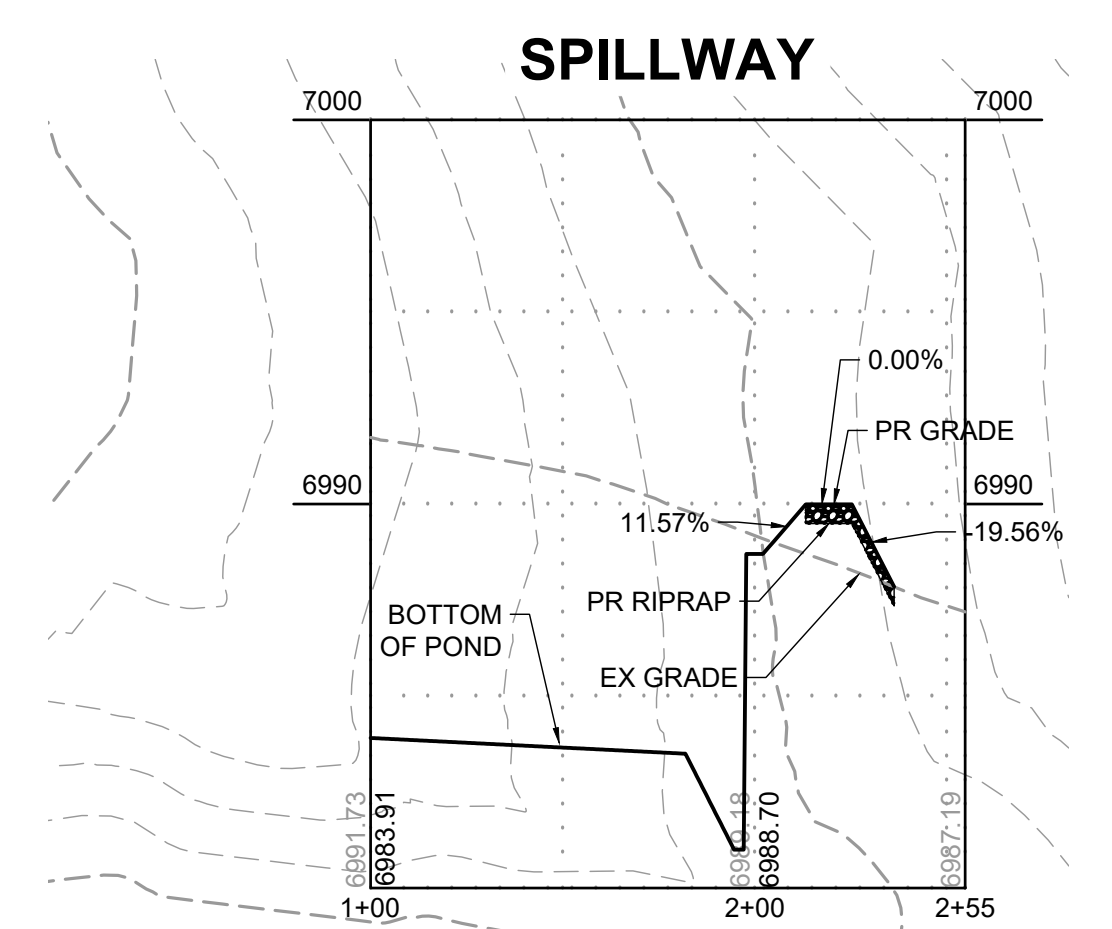
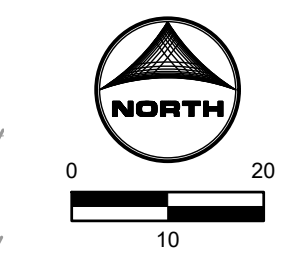


- GRADING NOTES:**
1. ALL PROPOSED CONTOURS ARE TO FINISHED GRADE.
 2. EARTHEN CUT AND FILL SLOPES SHALL BE 3:1 MAXIMUM. SLOPES IN EXCESS OF 4:1 AND AREAS OTHERWISE INDICATED BY WITHIN THESE PLANS, SHALL BE COVERED WITH SOIL RETENTION BLANKET OVER 4" MIN. THICKNESS OF TOPSOIL AND SEEDED. IF THE PROJECT IS CONSTRUCTED DURING THE SUMMER WHEN SEEDING IS NOT ALLOWED, APPLY 1-1/2 TONS OF CERTIFIED WEED FREE MULCH PER ACRE MECHANICALLY CRIMPED INTO THE SOIL IN COMBINATION WITH AN ORGANIC MULCH TACKIFIER.
 3. PRIOR TO ANY CONSTRUCTION ACTIVITIES THE PROPOSED SILT FENCE SHOWN ON THE EROSION CONTROL SHEET SHALL BE CONSTRUCTED. THE FENCE SHALL BE REMOVED UPON THE LATER OF STABILIZATION OF THE SITE OR COMPLETION OF CONSTRUCTION.
 4. TO REDUCE THE POTENTIAL FOR CLOGGING OF DEBRIS GRATES, NO STRAW MULCH SHALL BE USED WITHIN THE EURV OR WQCV OF A DETENTION BASIN. INSTEAD, EROSION CONTROL BLANKETS SHALL BE INSTALLED FOR A WIDTH OF AT LEAST 6 FEET ON EITHER SIDE OF CONCRETE LOW-FLOW CHANNELS. THE BLANKETS SHALL COMPLY WITH THE MATERIALS AND INSTALLATION REQUIREMENTS FOR EROSION CONTROL BLANKETS (STRAW COCONUT OR 100 PERCENT COCONUT.) SITE-SPECIFIC CONDITIONS MAY REQUIRE ADDITIONAL BLANKET OR OTHER EROSION CONTROL MEASURES.

recommend also calling out a pet waste station near here since this pond is located next to residential lots.

POINT TABLE			POINT TABLE			POINT TABLE			POINT TABLE						
No.	DESC.	NORTHING & EASTING	ELEV.	No.	DESC.	NORTHING & EASTING	ELEV.	No.	DESC.	NORTHING & EASTING	ELEV.	No.	DESC.	NORTHING & EASTING	ELEV.
1	TC FLOWLINE	N: 1420584.04 E: 3264906.57	6984.00	12	RIPRAP	N: 1420583.98 E: 3264898.70	6985.51	23	TOP	N: 1420549.25 E: 3264898.72	6991.50	34	BOP	N: 1420636.63 E: 3264986.47	6984.17
2	TC FLOWLINE	N: 1420597.18 E: 3264916.23	6983.92	13	RIPRAP	N: 1420577.70 E: 3264911.21	6985.51	24	TOP	N: 1420686.99 E: 3264855.83	6994.85	35	BOP	N: 1420663.10 E: 3264914.80	6985.85
3	TC FLOWLINE	N: 1420647.38 E: 3264984.55	6983.50	14	RIPRAP	N: 1420588.36 E: 3264910.46	6983.98	25	TOP	N: 1420671.98 E: 3265005.72	6990.00	36	BOP	N: 1420651.33 E: 3264899.93	6985.85
4	MAINT. RD	N: 1420642.70 E: 3264974.68	6983.94	15	RIPRAP	N: 1420589.72 E: 3264907.75	6983.98	26	TOP	N: 1420659.22 E: 3265014.35	6990.00	37	TOP	N: 1420710.55 E: 3264894.24	6993.00
5	MAINT. RD/BP	N: 1420661.26 E: 3264974.30	6985.67	16	TOP	N: 1420597.21 E: 3264864.72	6989.16	27	TOP	N: 1420659.33 E: 3265027.14	6990.96	38	TOP	N: 1420684.03 E: 3264982.29	6991.50
6	MAINT. RD	N: 1420639.75 E: 3264945.13	6984.48	17	TOP	N: 1420648.71 E: 3264867.80	6991.43	28	TOP	N: 1420567.11 E: 3264998.37	6991.50	39	TOP	N: 1420650.93 E: 3264845.97	6994.40
7	MAINT. RD/BP	N: 1420661.43 E: 3264924.56	6985.58	18	TOP	N: 1420681.80 E: 3264880.76	6991.50	29	TOP	N: 1420536.27 E: 3264946.94	6992.86	40	TOP	N: 1420696.14 E: 3264982.52	6991.50
8	MAINT. RD/BP	N: 1420599.72 E: 3264917.12	6983.91	19	TOP	N: 1420694.92 E: 3264915.29	6991.50	30	BOP	N: 1420590.80 E: 3264903.71	6984.49	41	TOP	N: 1420685.33 E: 3265008.38	6991.50
9	MAINT. RD/BP	N: 1420607.30 E: 3264900.92	6984.76	20	TOP	N: 1420653.56 E: 3265016.36	6991.50	31	BOP	N: 1420578.94 E: 3264914.45	6984.64	42	TOP	N: 1420617.84 E: 3265024.03	6991.50
10	MAINT. RD	N: 1420517.51 E: 3264845.57	6994.23	21	TOP	N: 1420623.26 E: 3264913.33	6991.50	32	BOP	N: 1420578.26 E: 3264947.79	6985.30	43	TOP	N: 1420554.62 E: 3264970.99	6991.50
11	MAINT. RD	N: 1420498.48 E: 3264852.69	6993.93	22	TOP	N: 1420572.68 E: 3264987.74	6991.50	33	BOP	N: 1420586.20 E: 3264960.95	6985.30	44	TOP	N: 1420548.26 E: 3264947.18	6991.50

ABBREVIATIONS
 TC = TRICKLE CHANNEL
 BP/BOP = BOTTOM OF POND
 TOP = TOP OF POND
 SW = SPILLWAY



Know what's below.
Call before you dig.

EDARP FILING NO. CDR2321

DRAWN BY: ACH JOB DATE: 10/14/2024
 APPROVED: CPM JOB NUMBER: 201662.08
 CAD DATE: 1/20/2025
 CAD FILE: J:\2020\201662\CAD\Drawings\Eastonville_Road_662.08\Segment_1\CD\Road_CDs\Pond_Plans

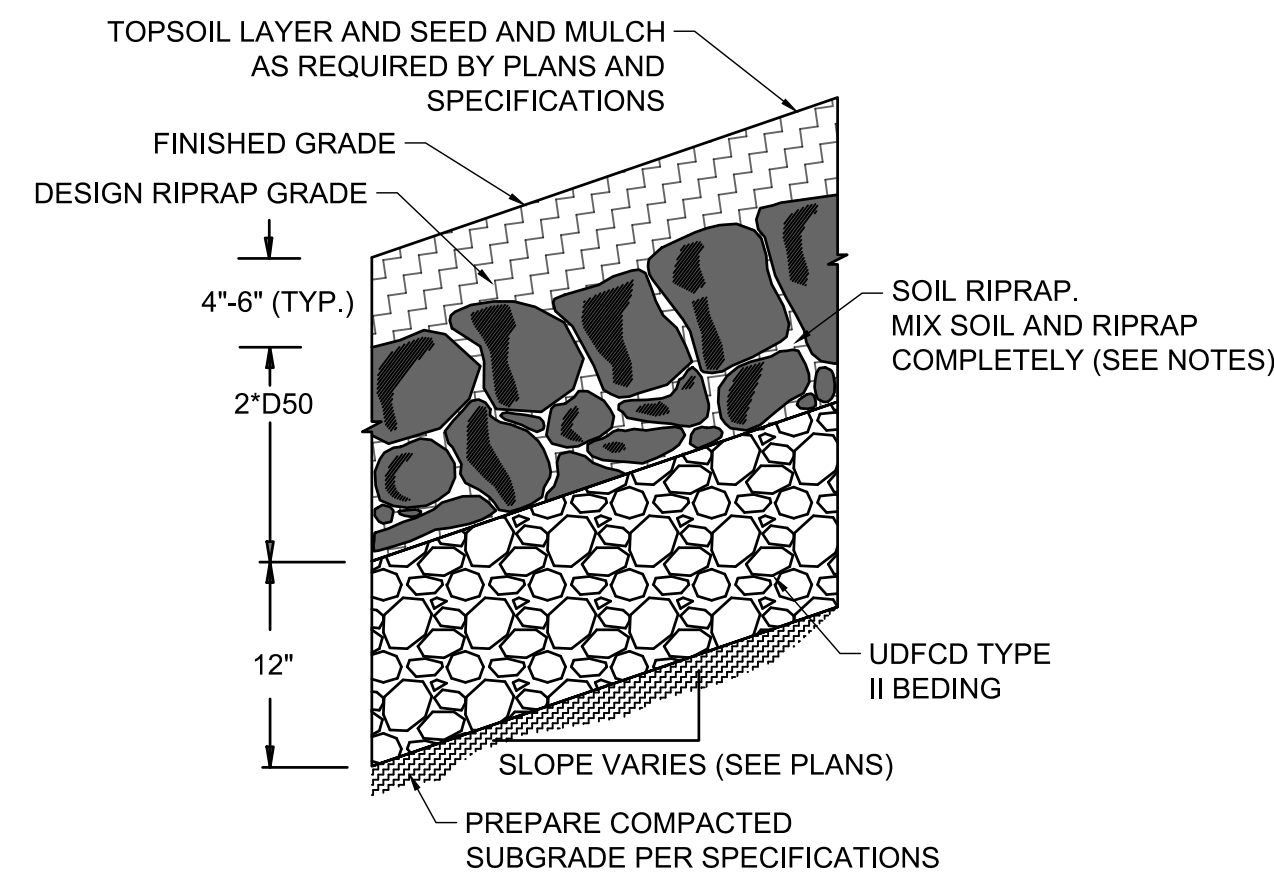
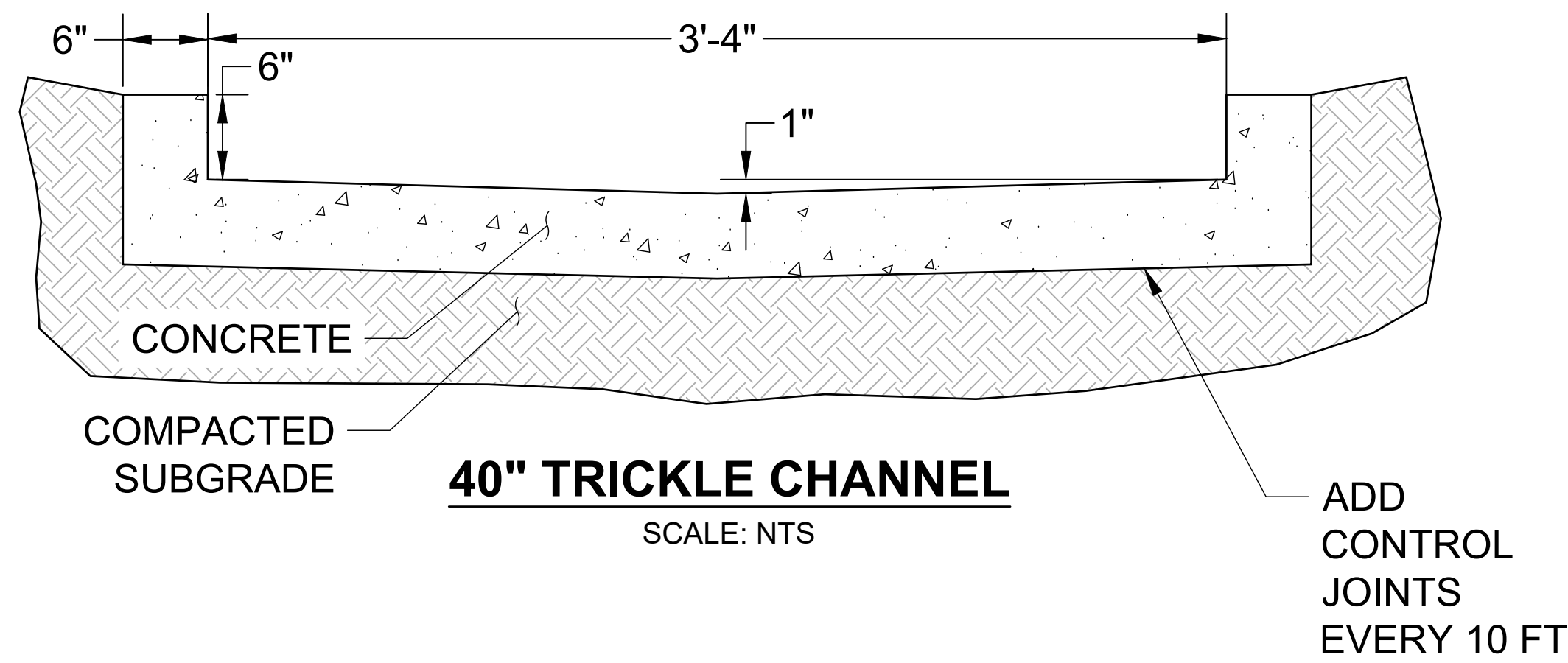
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 1975 RESEARCH PARKWAY SUITE 230
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EASTONVILLE ROAD IMPROVEMENTS
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 EL PASO COUNTY, COLORADO
D-R HORTON
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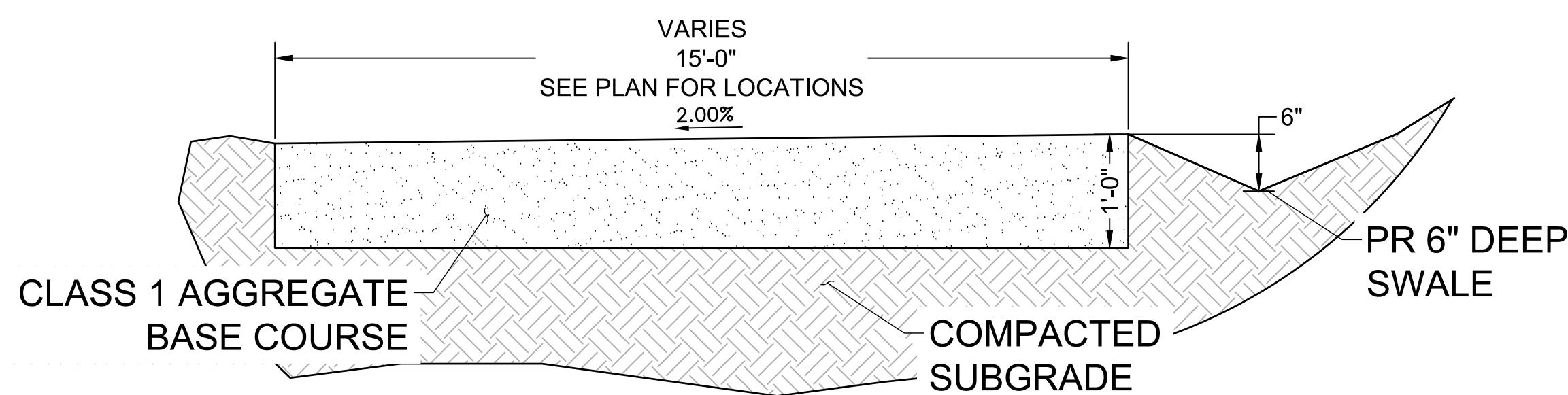
EASTONVILLE ROAD SEGMENT 1 IMPROVEMENTS
 EDB B (PUBLIC) GRADING PLAN

SHEET
PD.5
22



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 SOIL 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. CRIMP OR TACKIFY MULCH OR USE APPROVED HYDROMULCH AS CALLED FOR IN THE PLANS AND 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 MACHINE ASTM C-535-69) AND SHOULD SUSTAIN A LOSS OF NOT MORE THAN 10% AFTER 12 CYCLES OF FREEZING AND THAWING (AASHTO TEST 103 FOR LEDGE 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.



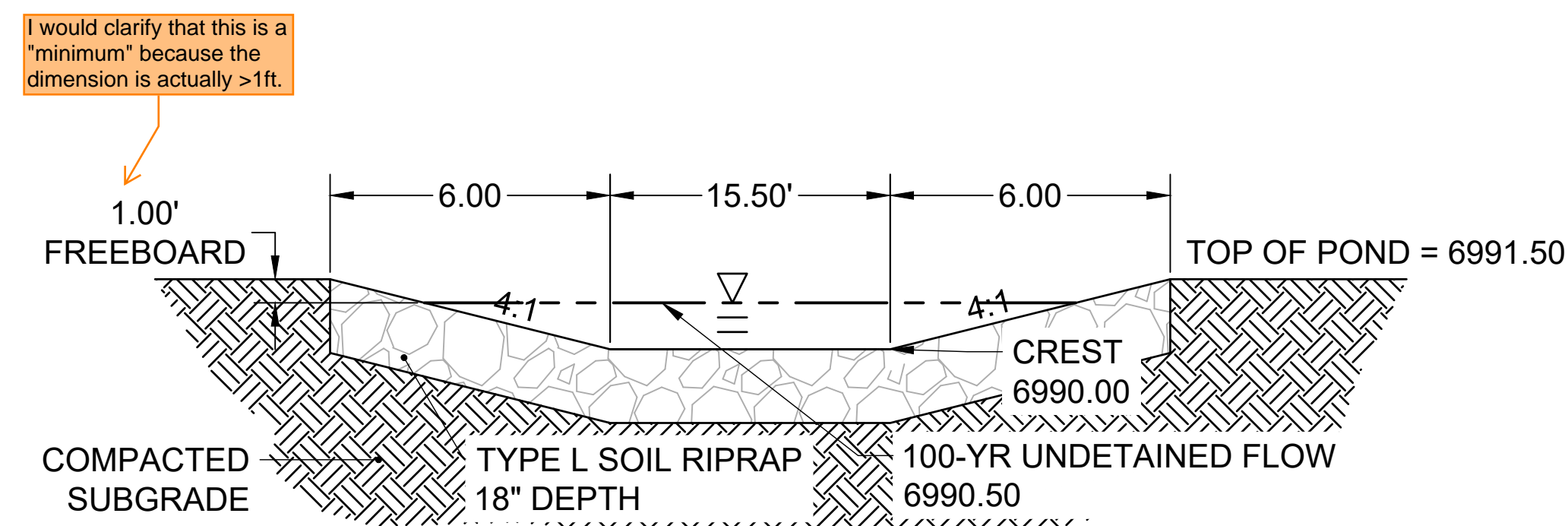
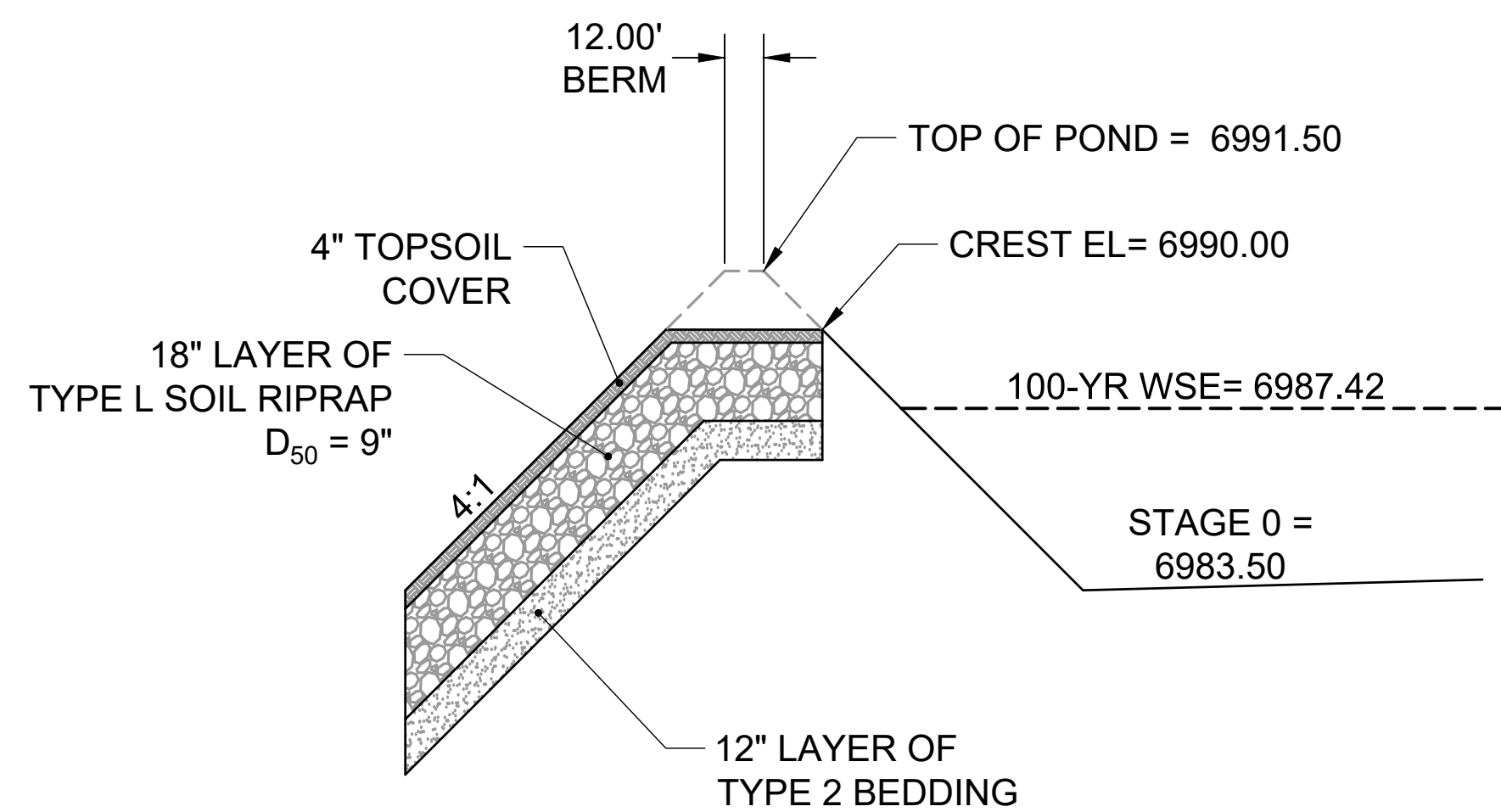
TYPE L RIPRAP

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

RIPRAP DETAIL

SCALE: NTS



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

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EASTONVILLE ROAD IMPROVEMENTS
 DR. HORTON
 EL PASO COUNTY, COLORADO

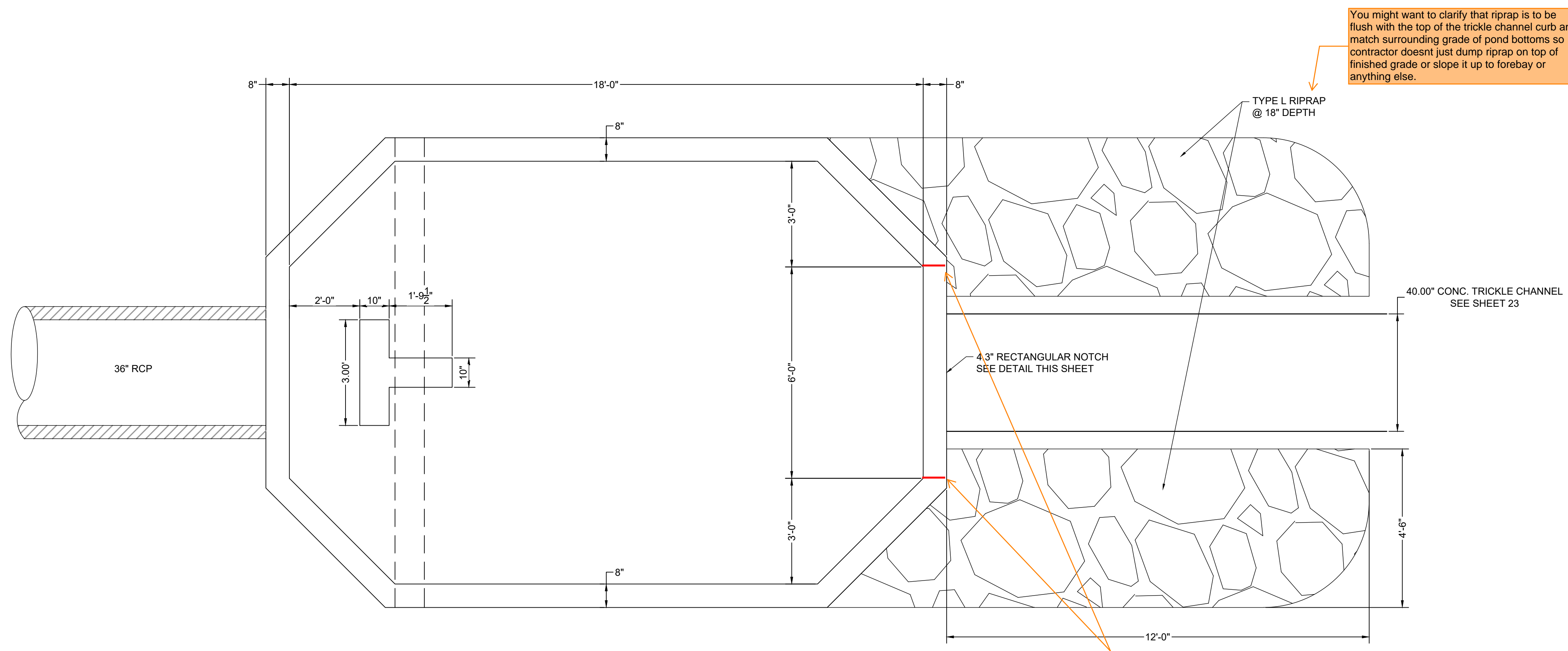


EASTONVILLE ROAD SEGMENT 1 IMPROVEMENTS
 EDB B (PUBLIC) DETAILS

SHEET

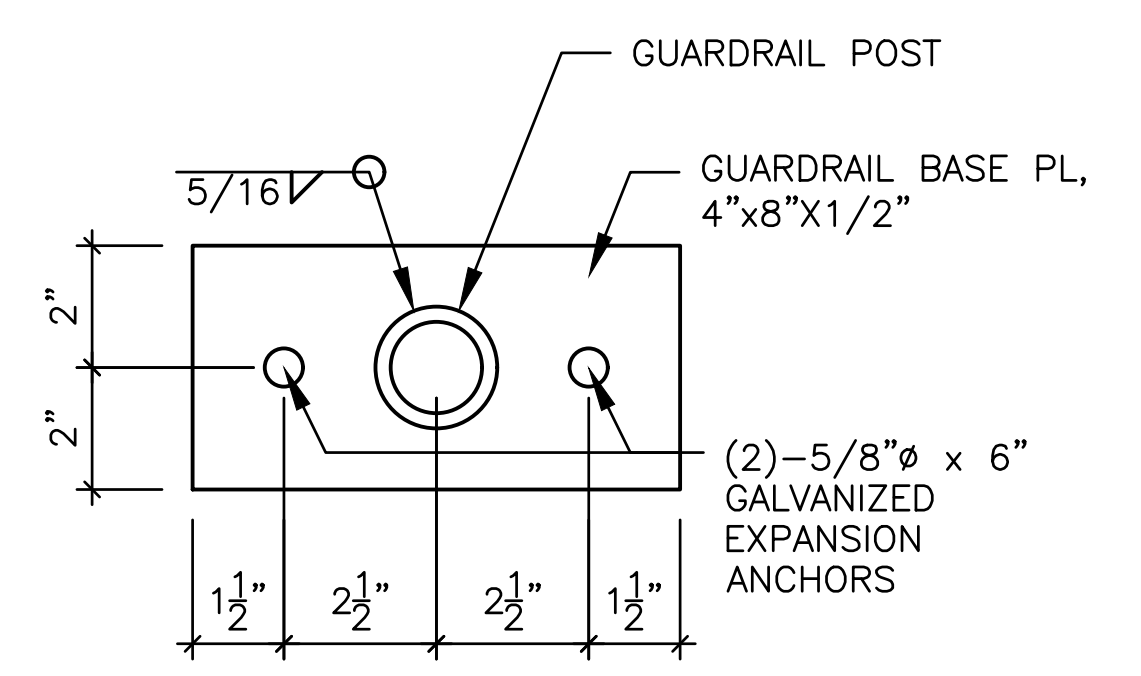
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23

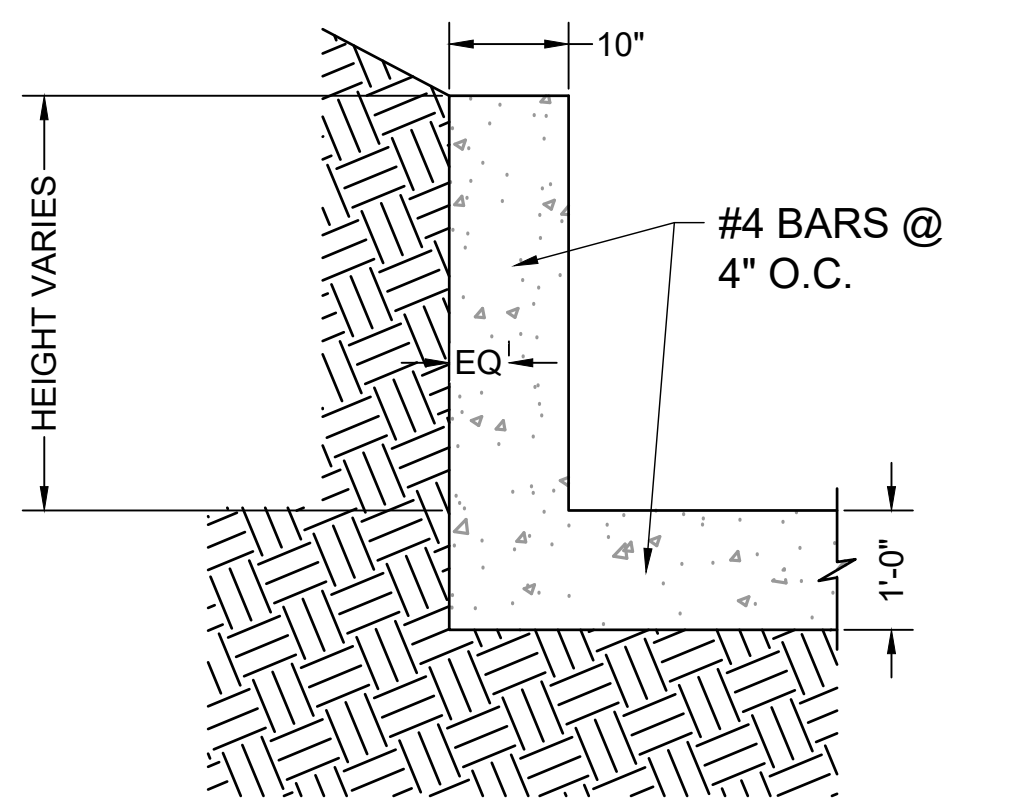


You might want to clarify that riprap is to be flush with the top of the trickle channel curb and match surrounding grade of pond bottoms so contractor doesn't just dump riprap on top of finished grade or slope it up to forebay or anything else.

delineate with simple line work where 0.25 wall depth depression occurs. Red lines shown as examples of what I mean.

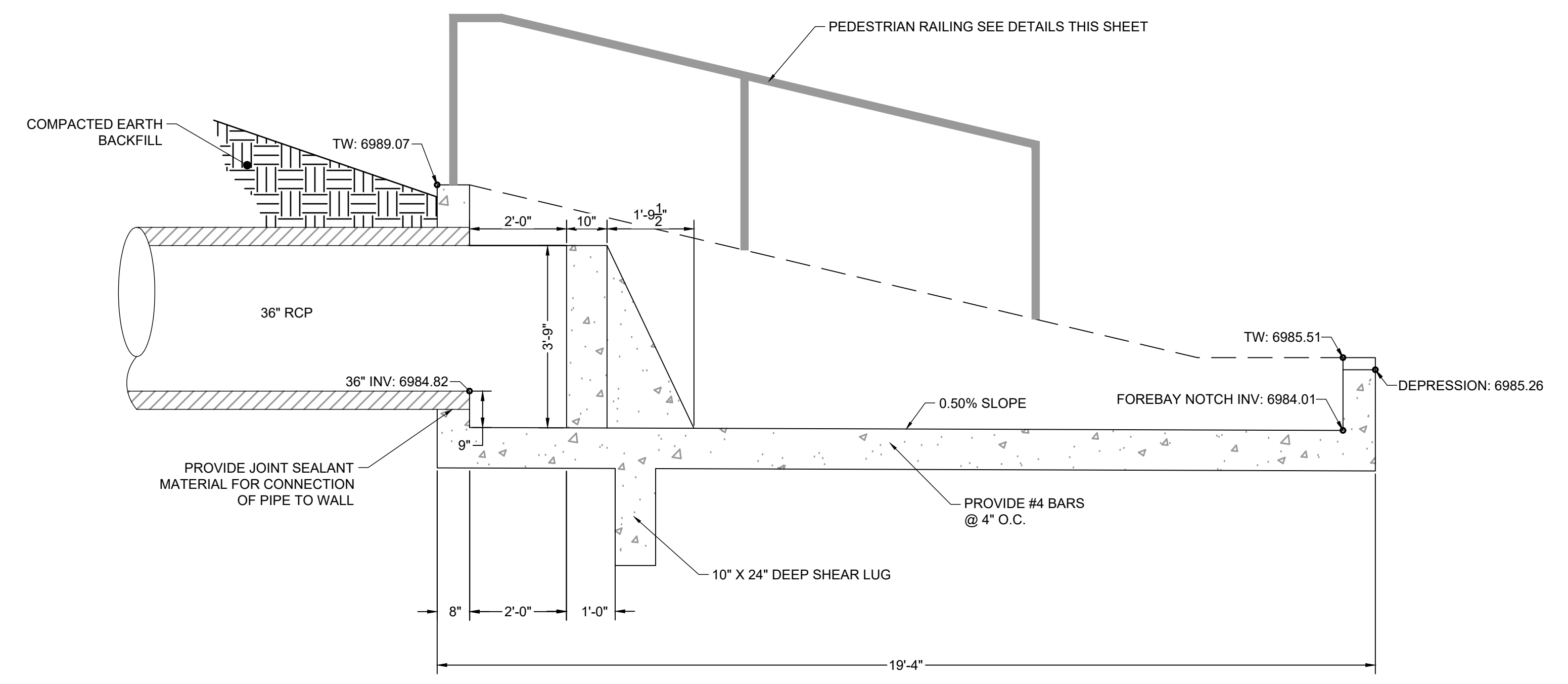


ELEVATION VIEW
HANDRAIL POST DETAIL
SCALE: NTS

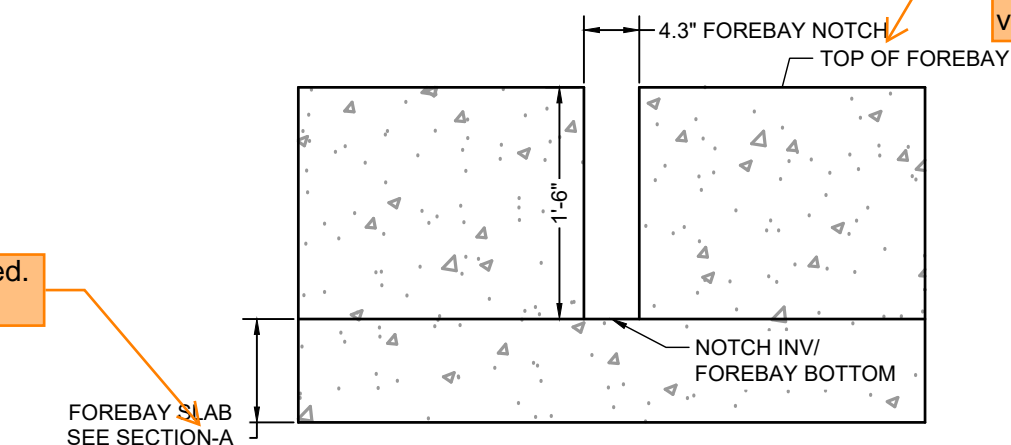


ELEVATION VIEW
FOREBAY WINGWALL REINFORCEMENT DETAIL
SCALE: NTS

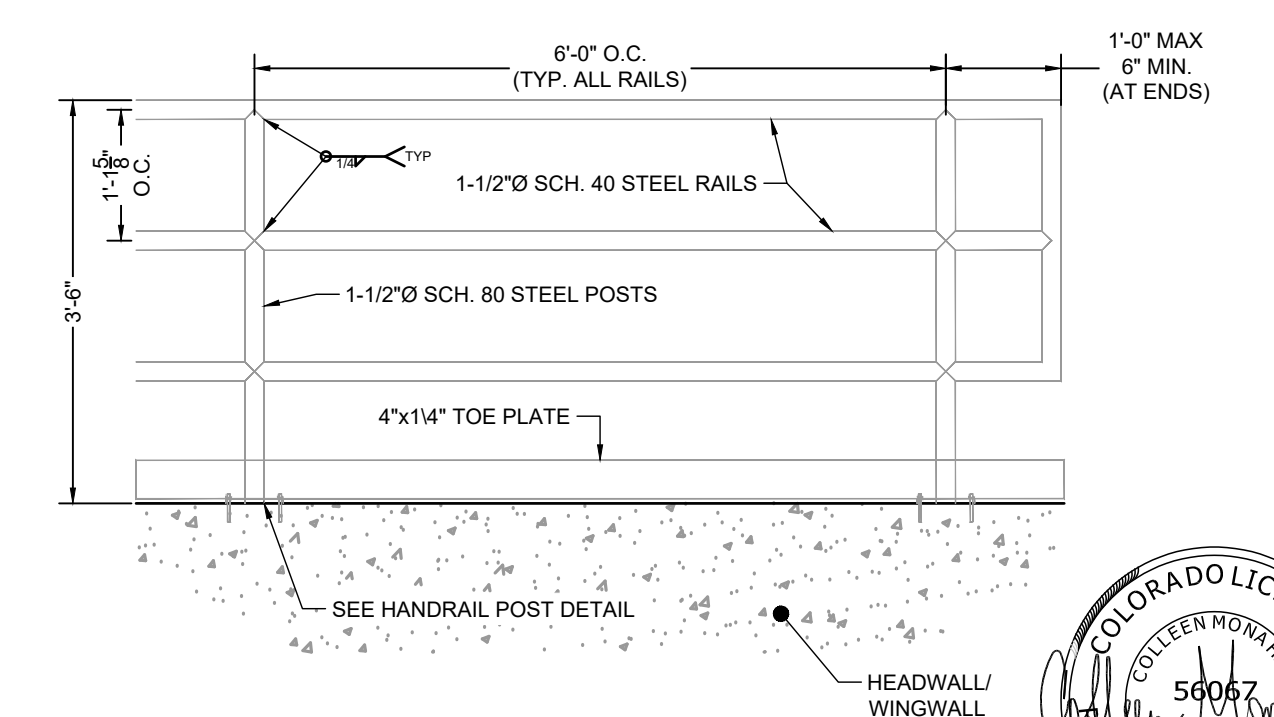
show 0.25 depression on this front wall that is shown on the elevation view to the left.



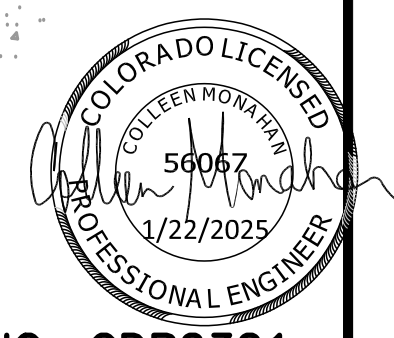
Section A is not labeled. Please label it.



ELEVATION VIEW
FOREBAY NOTCH DETAIL
SCALE: NTS



ELEVATION VIEW
HANDRAIL POST DETAIL
SCALE: NTS



EDARP FILING NO. CDR2321



DRAWN BY: ACH	JOB DATE: 10/15/2024	BAR IS ONE INCH ON OFFICIAL DRAWINGS.
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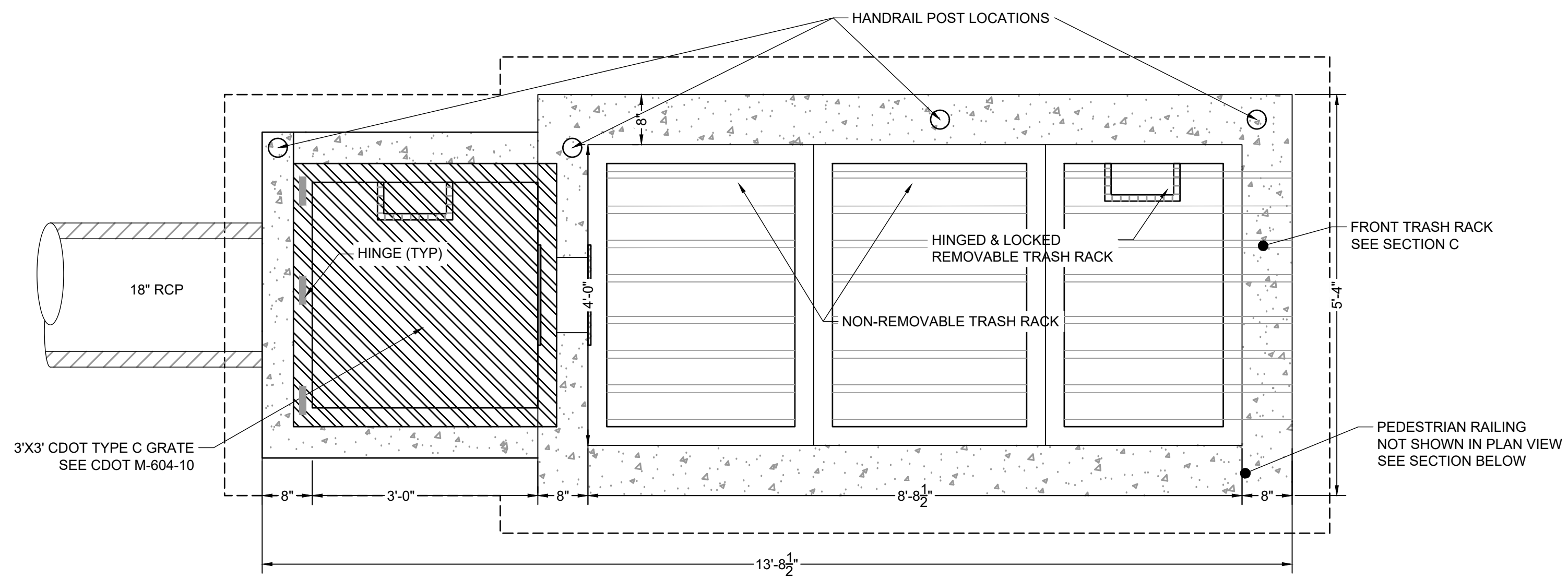
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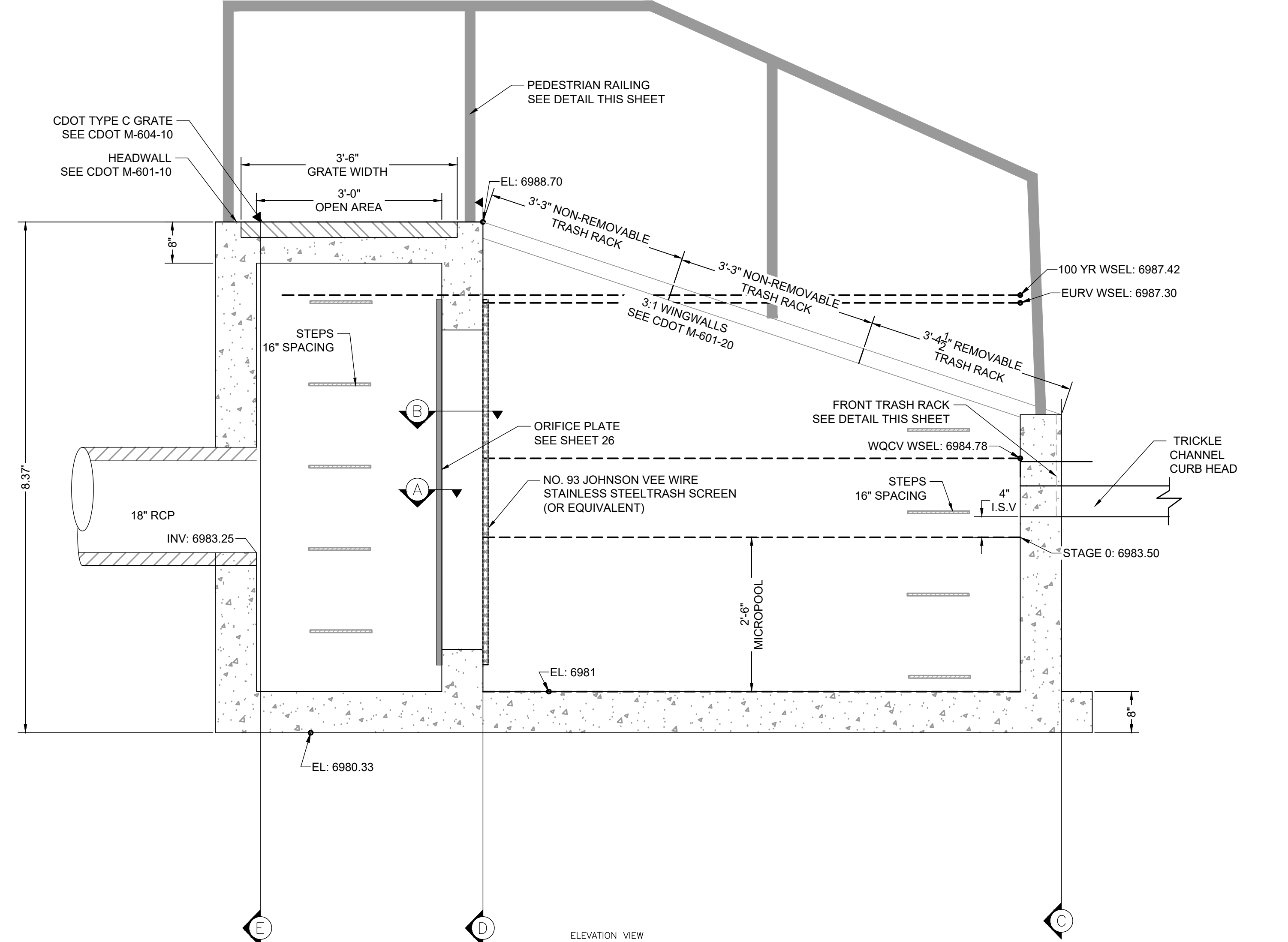
EASTONVILLE ROAD IMPROVEMENTS
DR. HORTON
 EL PASO COUNTY, COLORADO

EASTONVILLE ROAD SEGMENT 1 IMPROVEMENTS
 EDB B (PUBLIC) FOREBAY DETAILS

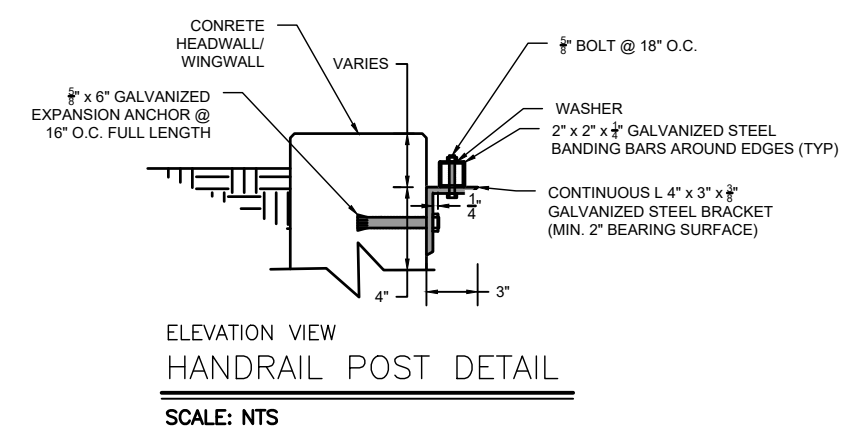
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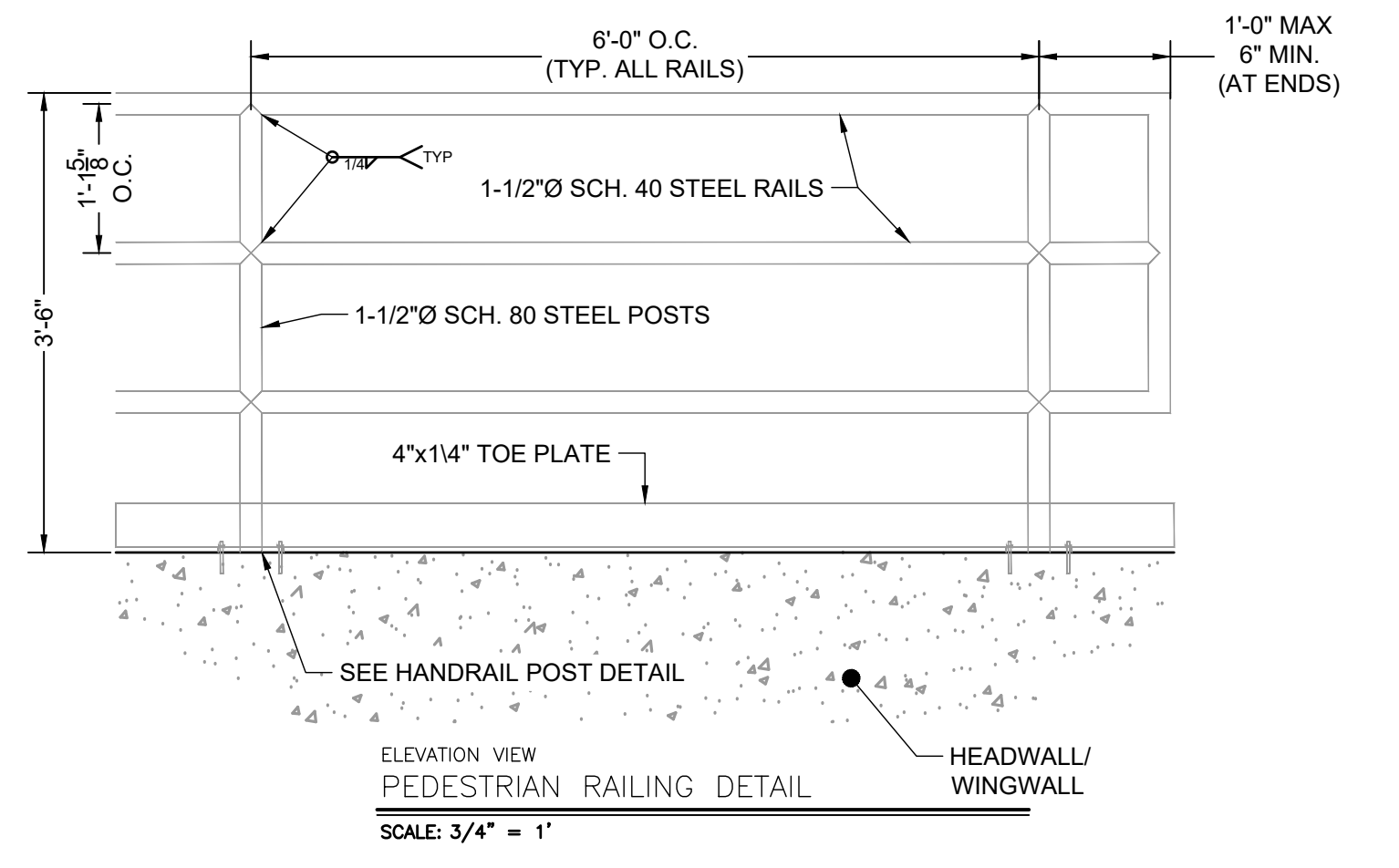
PLAN VIEW
POND OUTLET STRUCTURE PLAN
SCALE: 3/4" = 1'



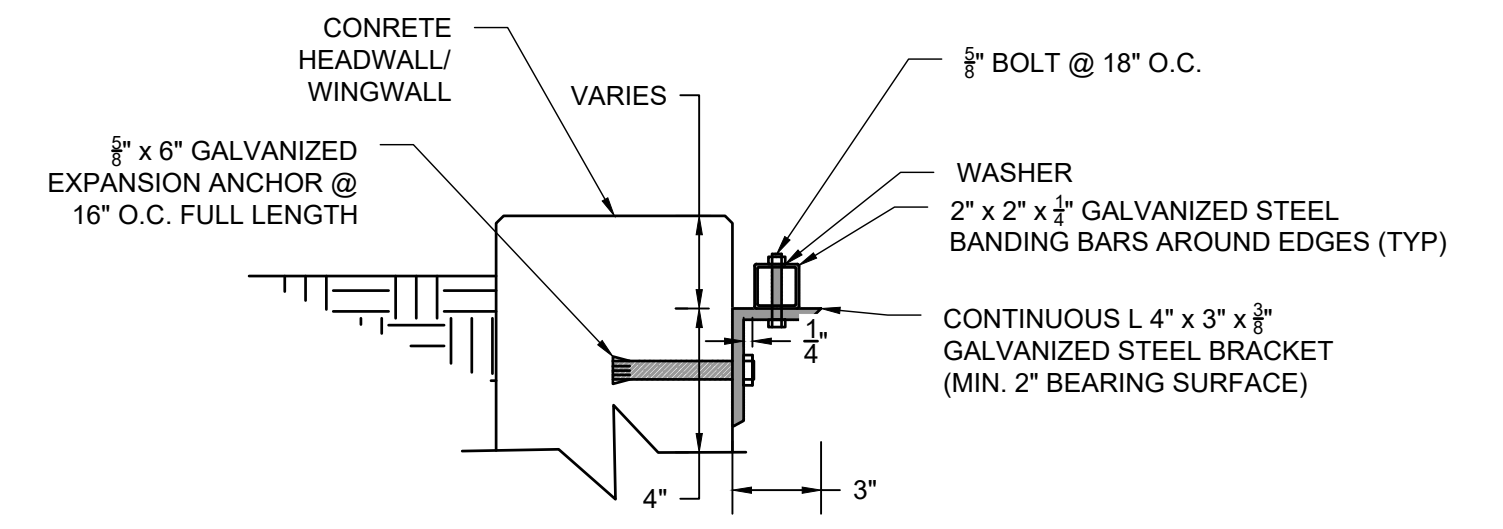
ELEVATION VIEW
POND OUTLET STRUCTURE PROFILE
SCALE: 3/4" = 1'



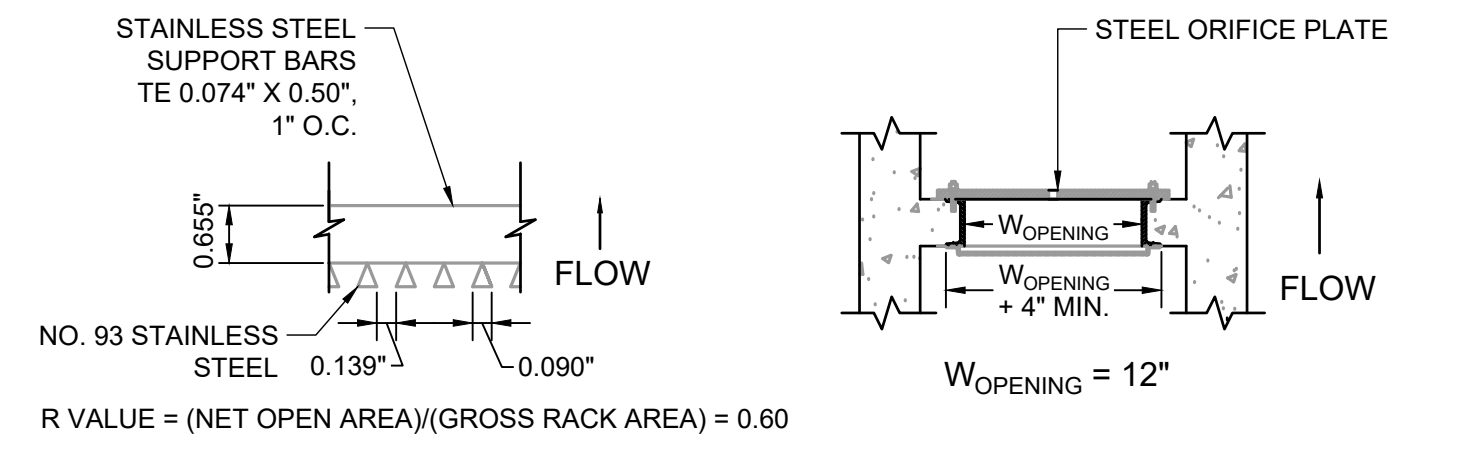
ELEVATION VIEW
HANDRAIL POST DETAIL
SCALE: NTS



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



DETAIL VIEW
TRASH RACK CONNECTION TO WALLS
SCALE: NTS



PLAN VIEW
TRASH SCREEN DETAIL
SCALE: 3/4" = 1'

PLAN VIEW
TRASH SCREEN AND PLATE DETAIL
SCALE: 3/4" = 1'

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

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



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

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CAD FILE: J:\2020\201662\CAD\Drawings\CIEastonville_Road_662.08\Segment_1\CDI\Road_CDs\Outlet_Structure_Details		

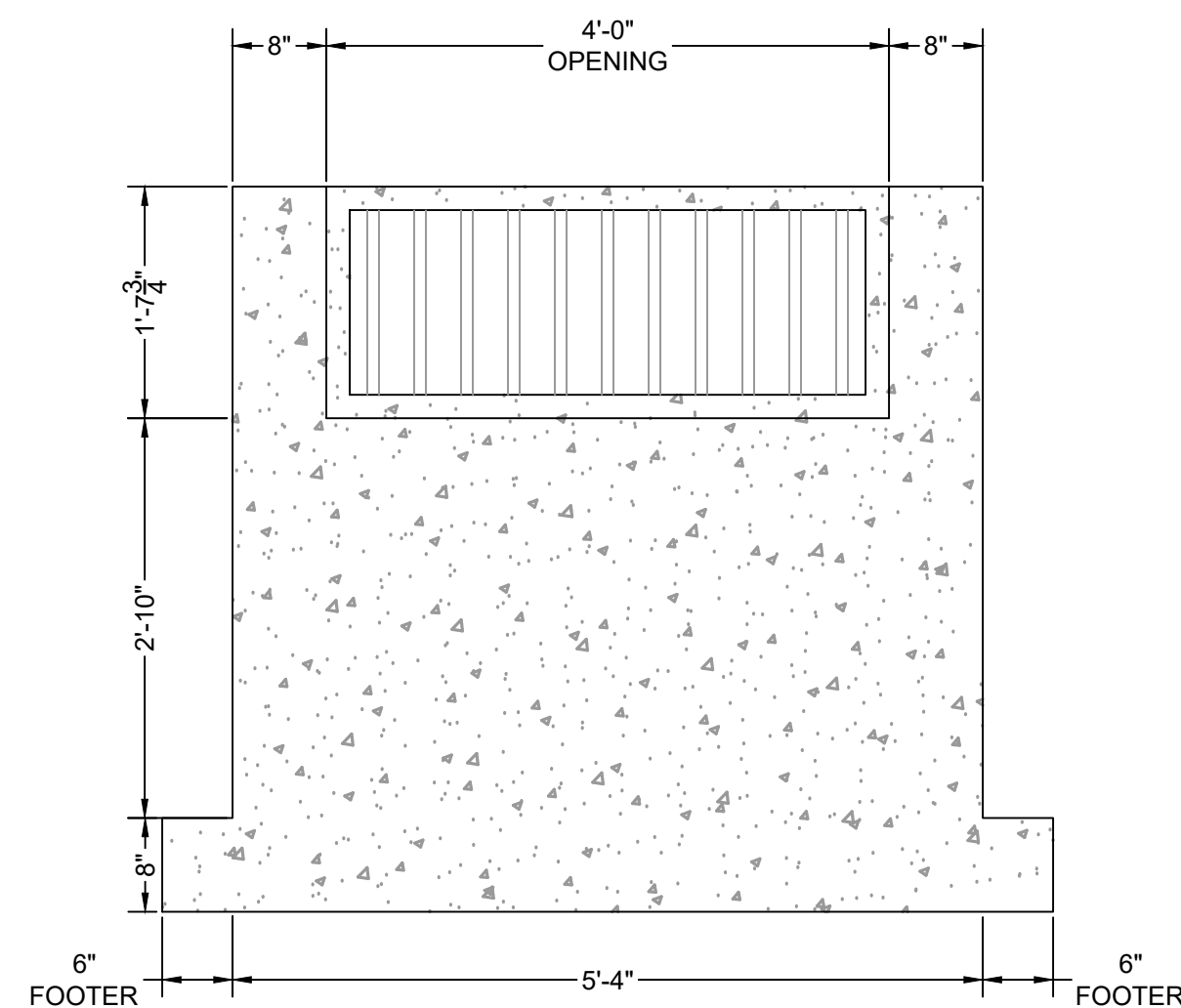
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1975 RESEARCH PARKWAY SUITE 230
COLORADO SPRINGS CO 80920
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FAX: 713.965.0044

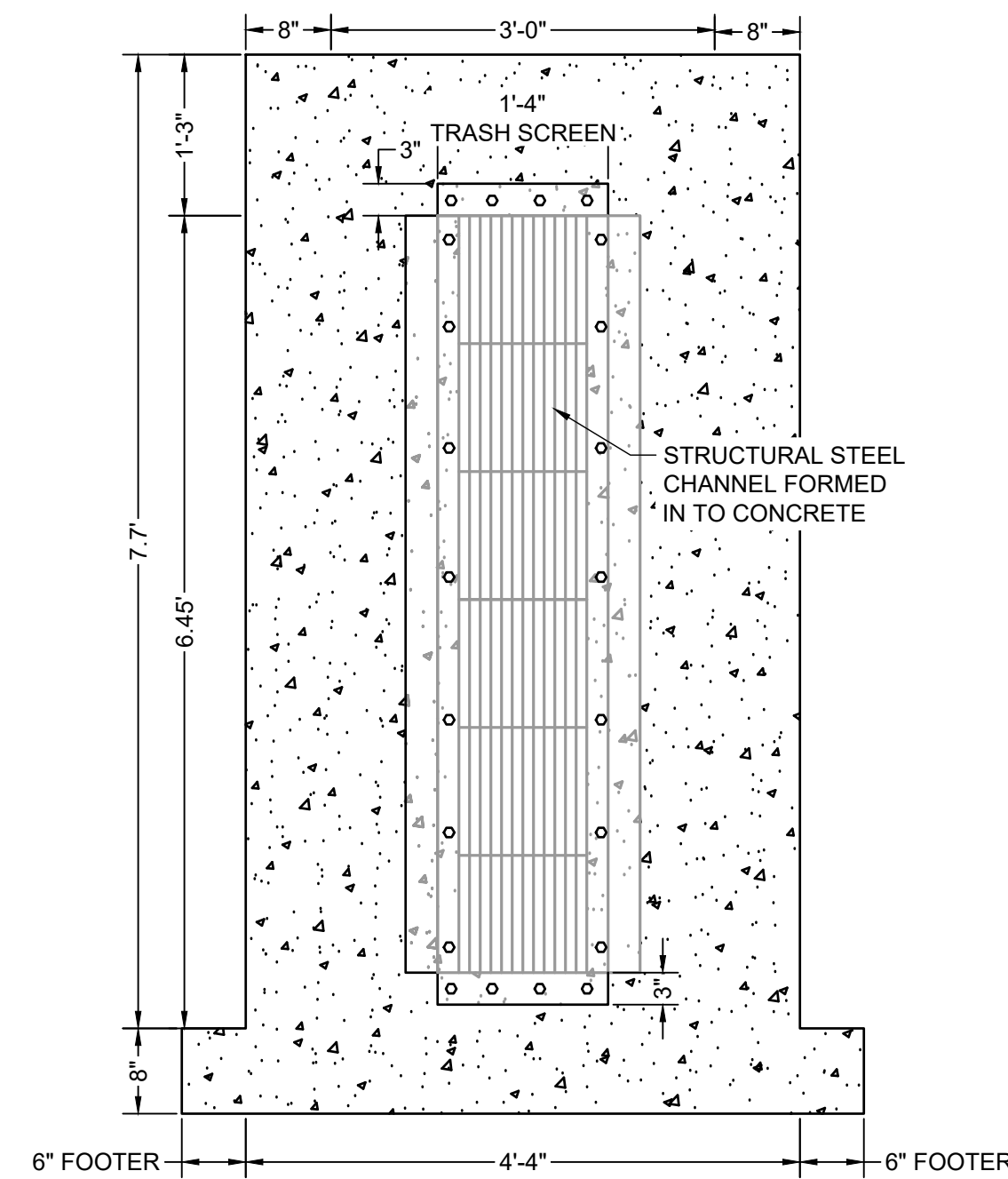
EASTONVILLE ROAD IMPROVEMENTS
DR. HORTON
EL PASO COUNTY, COLORADO

EASTONVILLE ROAD SEGMENT 1 IMPROVEMENTS
EDB B (PUBLIC) OUTLET STRUCTURE DETAILS

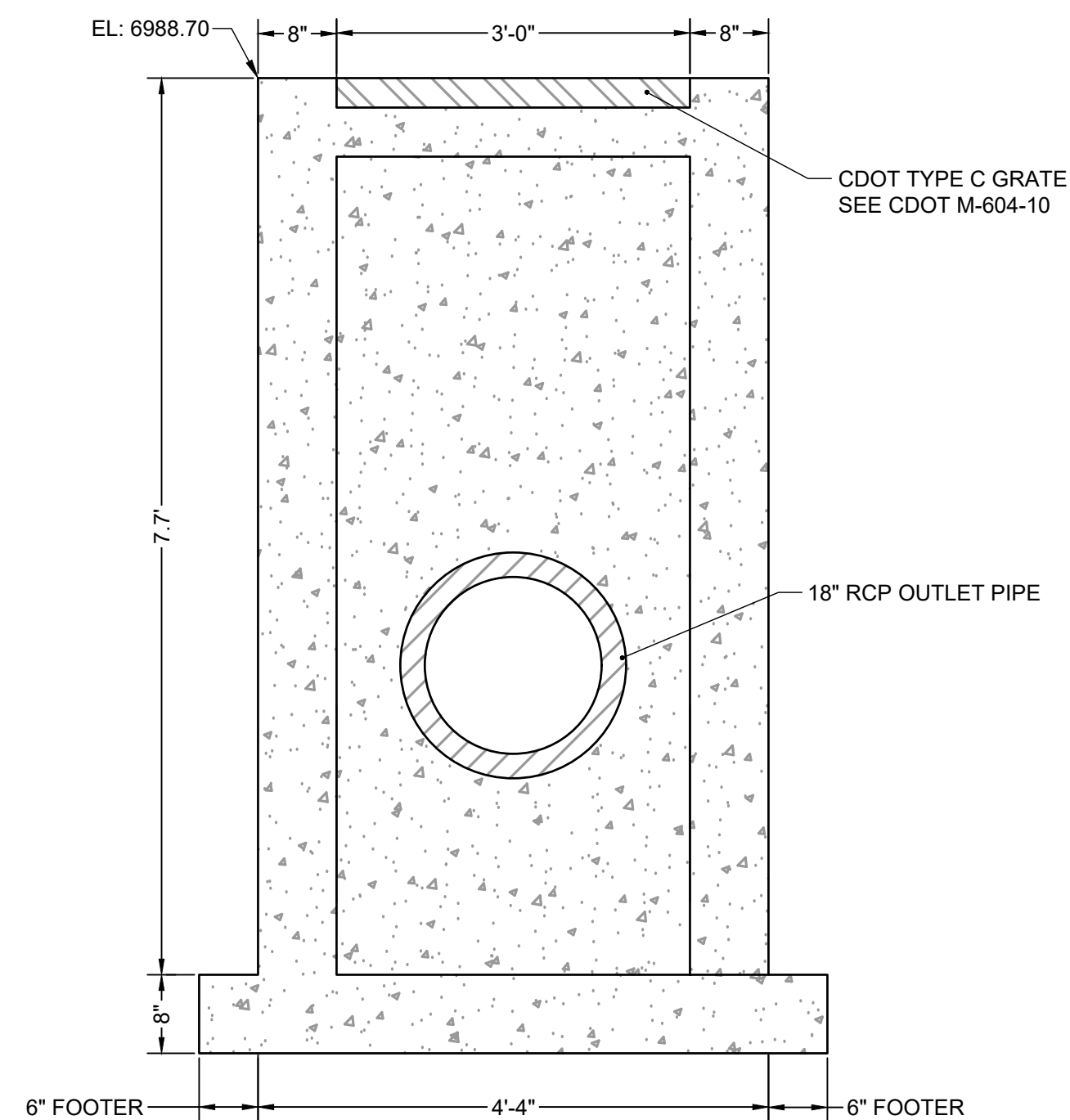
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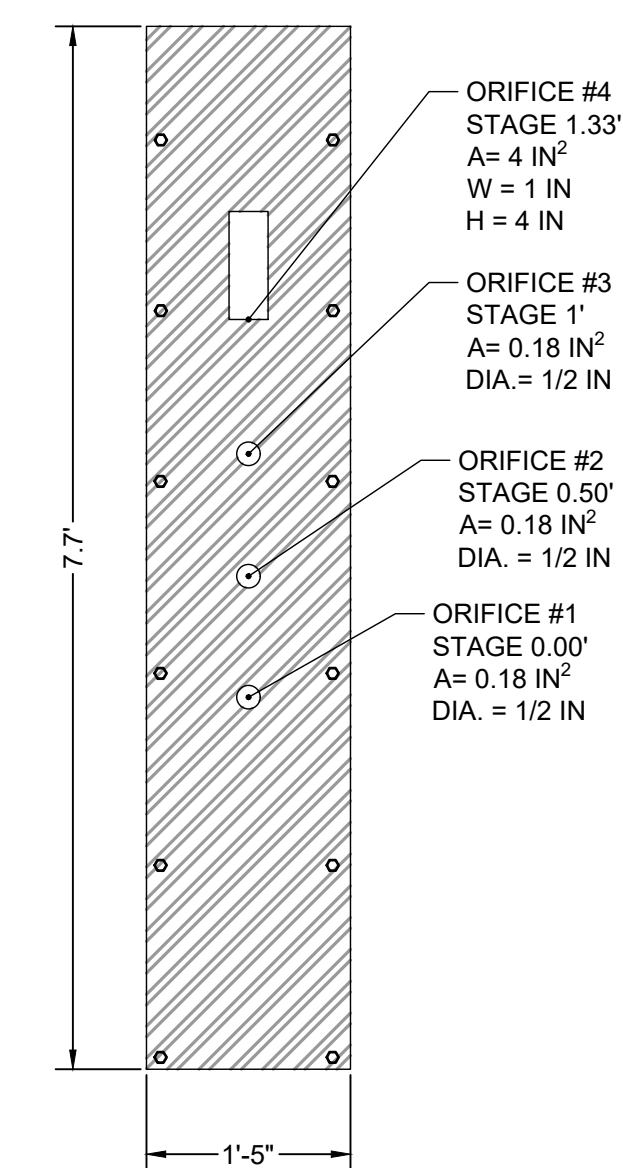
ELEVATION VIEW
FRONT FACE
SCALE: 3/4" = 1'



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



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



ELEVATION VIEW
INTERIM ORIFICE PLATE DETAIL
SCALE: 3/4" = 1'

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

TRASH SCREEN NOTES:

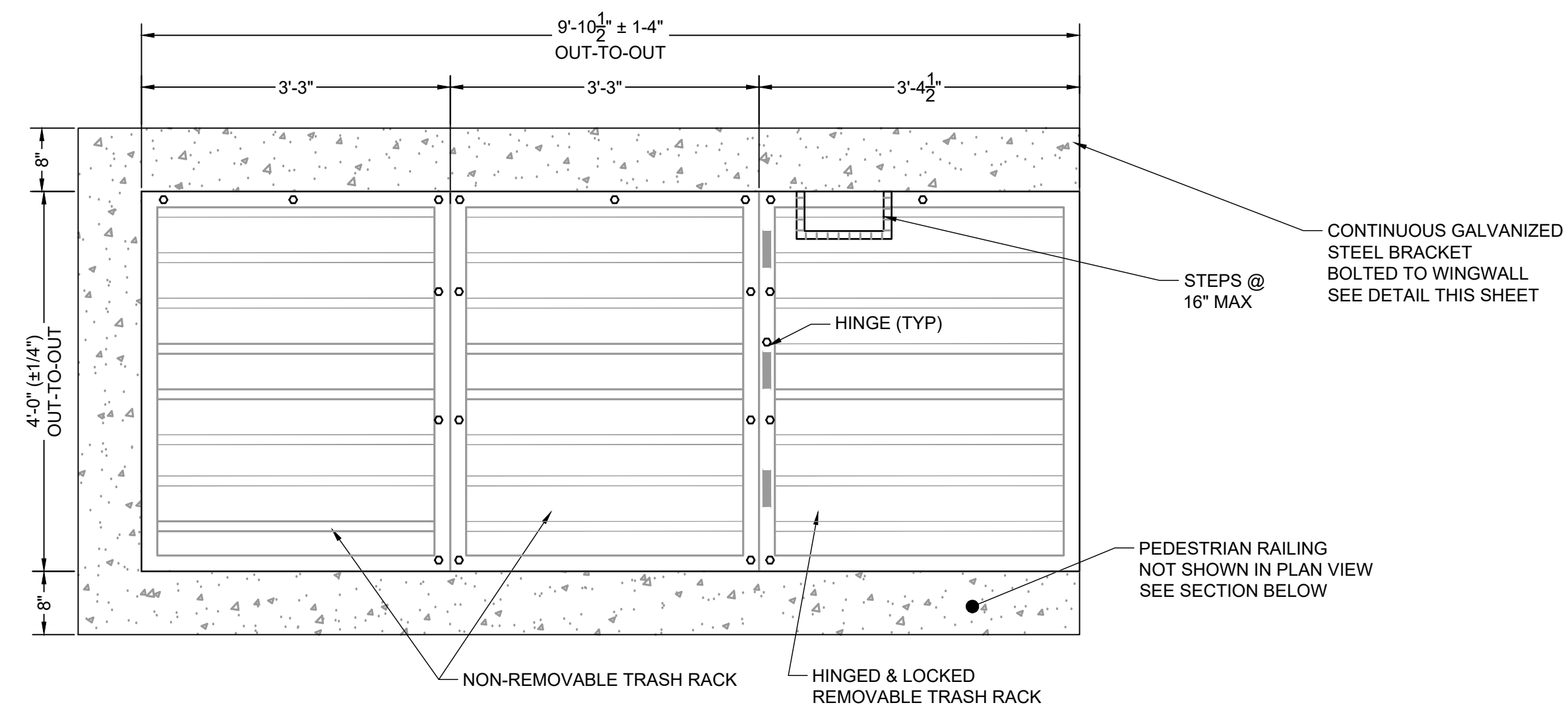
1. WELL-SCREEN TRASH RACKS SHALL BE STAINLESS STEEL AND SHALL BE ATTACHED BY INTERMITTENT WELDS ALONG THE EDGE OF THE MOUNTING FRAME.
2. BAR GATE TRASH RACKS SHALL BE ALUMINUM AND SHALL BE BOLTED USING STAINLESS STEEL HARDWARE.
3. TRASH RACK OPEN AREAS ARE FOR SPECIFIED TRASH RACK MATERIALS. TOTAL TRASH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

TRASH RACK NOTES:

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

RESTRICTOR PLATE NOTES:

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



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



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BAR IS ONE INCH ON OFFICIAL DRAWINGS.
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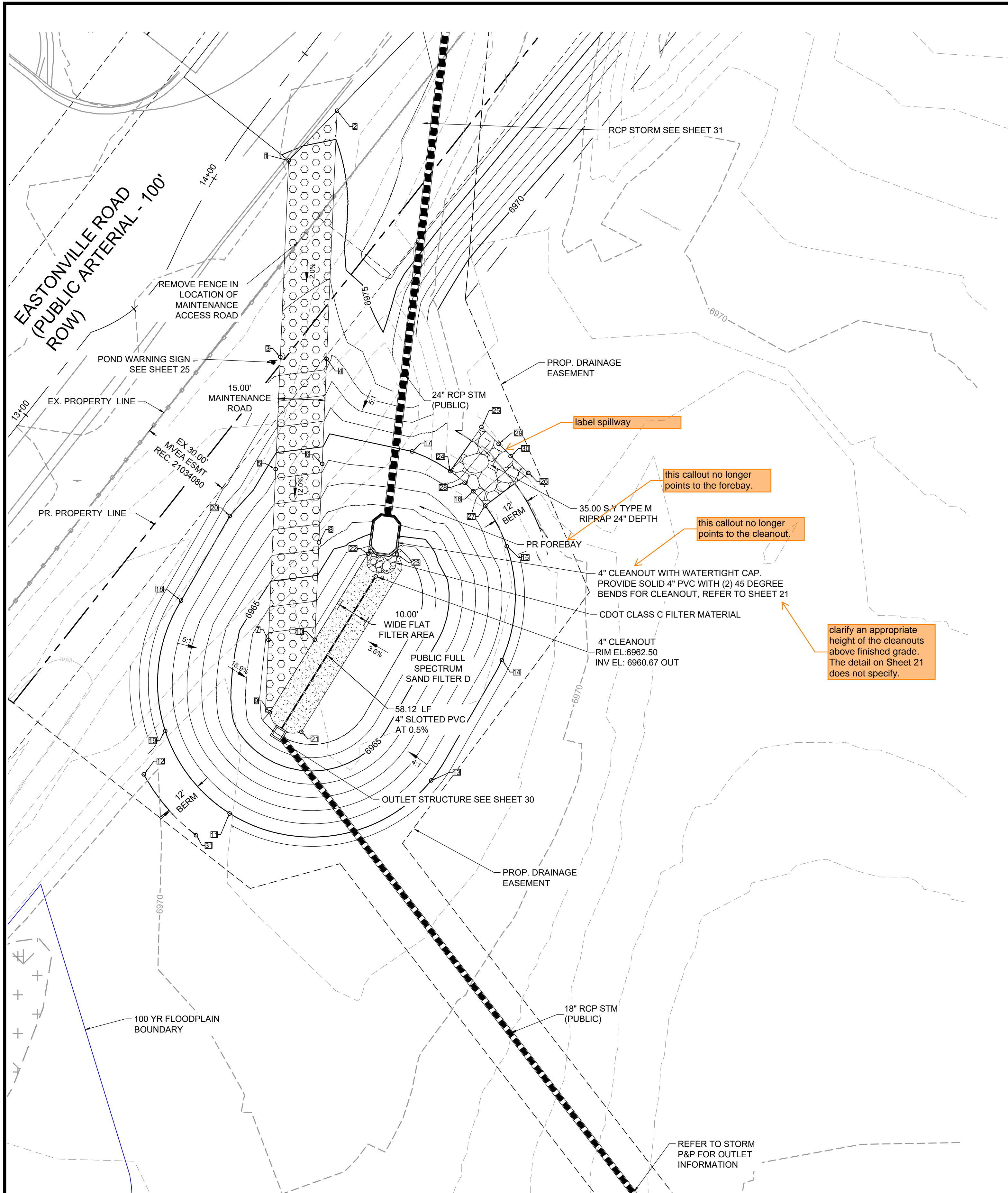
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DR. HORTON
 EL PASO COUNTY, COLORADO



EASTONVILLE ROAD SEGMENT 1 IMPROVEMENTS
 EDB B (PUBLIC) OUTLET STRUCTURE DETAILS

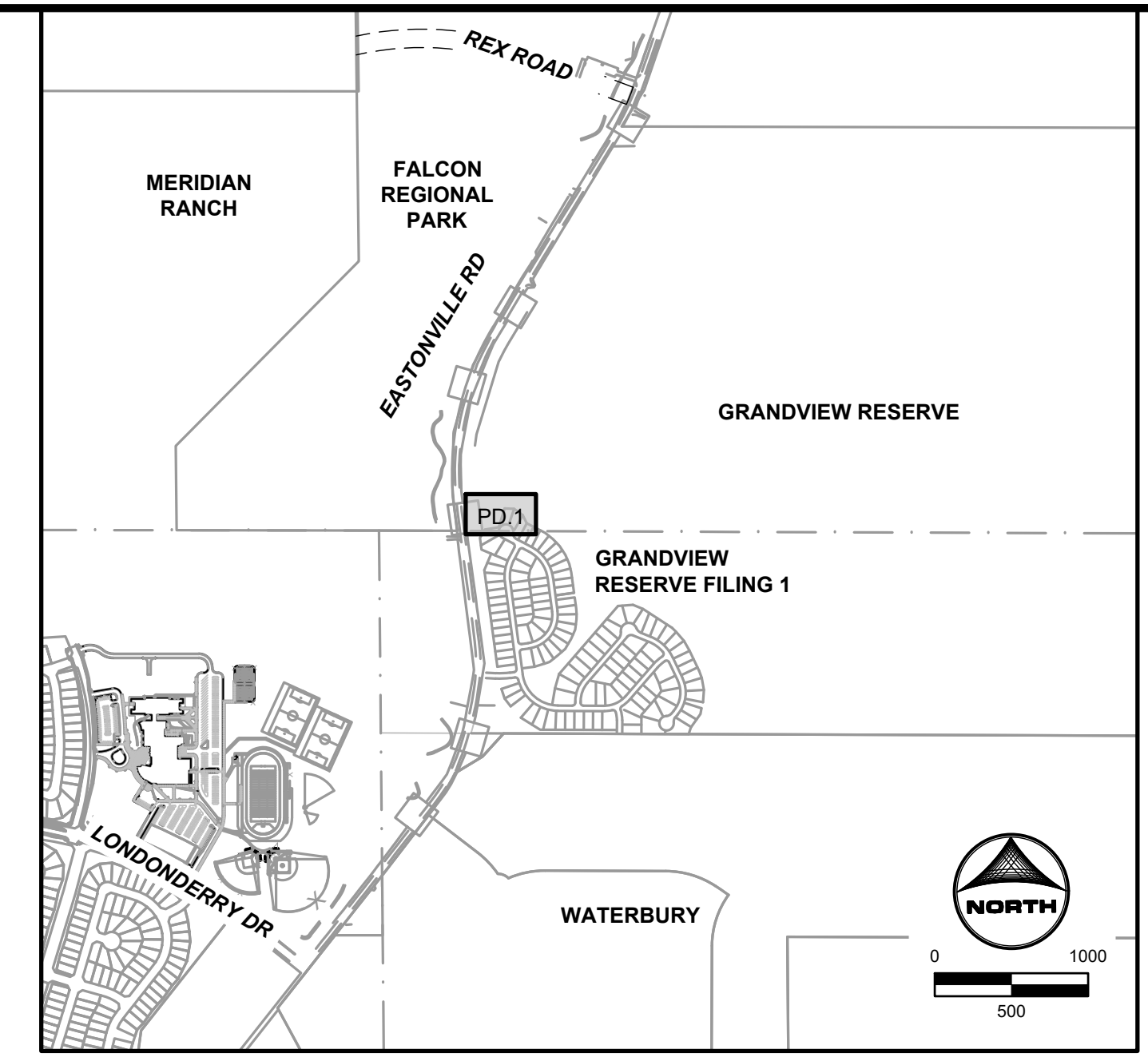
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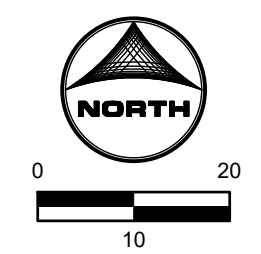
POINT TABLE			
No.	DESC.	NORTHING & EASTING	ELEV
1	BEGIN MAINT. RD	N: 1417726.42 E: 3263808.02	6974.91
2	BEGIN MAINT. RD	N: 1417742.57 E: 3263823.71	6975.21
3	MAINT. RD	N: 1417662.84 E: 3263805.34	6973.72
4	MAINT. RD	N: 1417662.21 E: 3263820.33	6973.42
5	MAINT. RD	N: 1417626.51 E: 3263803.81	6969.36
6	MAINT. RD	N: 1417628.18 E: 3263818.90	6969.33
7	MAINT. RD	N: 1417571.21 E: 3263801.48	6962.79
8	MAINT. RD	N: 1417602.75 E: 3263817.83	6966.28
9	MAINT. RD/BP	N: 1417547.73 E: 3263801.92	6962.50
10	MAINT. RD/BP	N: 1417571.28 E: 3263816.50	6962.50
11	TOP	N: 1417514.97 E: 3263788.92	6970.01
12	TOP	N: 1417527.63 E: 3263761.08	6970.00
13	TOP	N: 1417525.67 E: 3263854.22	6970.01
14	TOP	N: 1417564.63 E: 3263877.12	6970.01
15	TOP	N: 1417601.52 E: 3263878.68	6970.00
16	SW CREST	N: 1417619.30 E: 3263867.90	6968.50
17	TOP	N: 1417632.21 E: 3263848.07	6970.00
18	TOP	N: 1417583.91 E: 3263773.18	6970.00
19	TOP	N: 1417541.66 E: 3263768.03	6970.01
20	TOP	N: 1417611.35 E: 3263788.97	6970.00
21	BOP	N: 1417541.42 E: 3263812.12	6962.50
22	BOP	N: 1417599.07 E: 3263833.76	6962.50
23	BOP	N: 1417598.82 E: 3263843.15	6962.51
24	SW	N: 1417625.85 E: 3263860.37	6970.00
25	SW	N: 1417640.13 E: 3263870.48	6969.30
26	SW	N: 1417625.26 E: 3263885.69	6968.76
27	SW	N: 1417614.69 E: 3263871.74	6970.00
28	SW CREST	N: 1417622.10 E: 3263865.05	6968.50
29	SW CREST	N: 1417634.69 E: 3263876.05	6968.50
30	SW CREST	N: 1417630.69 E: 3263879.94	6968.50
31	TOP	N: 1417507.94 E: 3263778.01	6970.00

ABBREVIATIONS
 TC = TRICKLE CHANNEL
 BP/BOP = BOTTOM OF POND
 TOP = TOP OF POND
 SW = SPILLWAY

NOTES:
 1. SFB D IS TEMPORARY UNTIL THE DEVELOPMENT OF PPRTA POND E. PRIOR TO CONSTRUCTION, THE CONTRACTOR IS TO VERIFY THE TIMELINE FOR THE CONSTRUCTION OF THE PPRTA POND E AND CONFIRM WITH EL PASO COUNTY/ENGINEER IF THE CONSTRUCTION OF THE TEMPORARY SFB D IS NECESSARY.



- GRADING NOTES:
- ALL PROPOSED CONTOURS ARE TO FINISHED GRADE.
 - EARTHEN CUT AND FILL SLOPES SHALL BE 3:1 MAXIMUM. SLOPES IN EXCESS OF 4:1 AND AREAS OTHERWISE INDICATED BY WITHIN THESE PLANS, SHALL BE COVERED WITH SOIL RETENTION BLANKET OVER 4" MIN. THICKNESS OF TOPSOIL AND SEEDED.
 - IF THE PROJECT IS CONSTRUCTED DURING THE SUMMER WHEN SEEDING IS NOT ALLOWED, APPLY 1-1/2 TONS OF CERTIFIED WEED FREE MULCH PER ACRE MECHANICALLY CRIMPED INTO THE SOIL IN COMBINATION WITH AN ORGANIC MULCH TACKIFIER.
 - PRIOR TO ANY CONSTRUCTION ACTIVITIES THE PROPOSED SILT FENCE SHOWN ON THE EROSION CONTROL SHEET SHALL BE CONSTRUCTED. THE FENCE SHALL BE REMOVED UPON THE LATER OF STABILIZATION OF THE SITE OR COMPLETION OF CONSTRUCTION.
 - TO REDUCE THE POTENTIAL FOR CLOGGING OF DEBRIS GRATES, NO STRAW MULCH SHALL BE USED WITHIN THE EURV OR WQCV OF A DETENTION BASIN. INSTEAD, EROSION CONTROL BLANKETS SHALL BE INSTALLED FOR A WIDTH OF AT LEAST 6 FEET ON EITHER SIDE OF CONCRETE LOW-FLOW CHANNELS. THE BLANKETS SHALL COMPLY WITH THE MATERIALS AND INSTALLATION REQUIREMENTS FOR EROSION CONTROL BLANKETS (STRAW COCONUT OR 100 PERCENT COCONUT.) SITE-SPECIFIC CONDITIONS MAY REQUIRE ADDITIONAL BLANKET OR OTHER EROSION CONTROL MEASURES.



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EASTONVILLE ROAD IMPROVEMENTS
 DR. HORTON
 EL PASO COUNTY, COLORADO

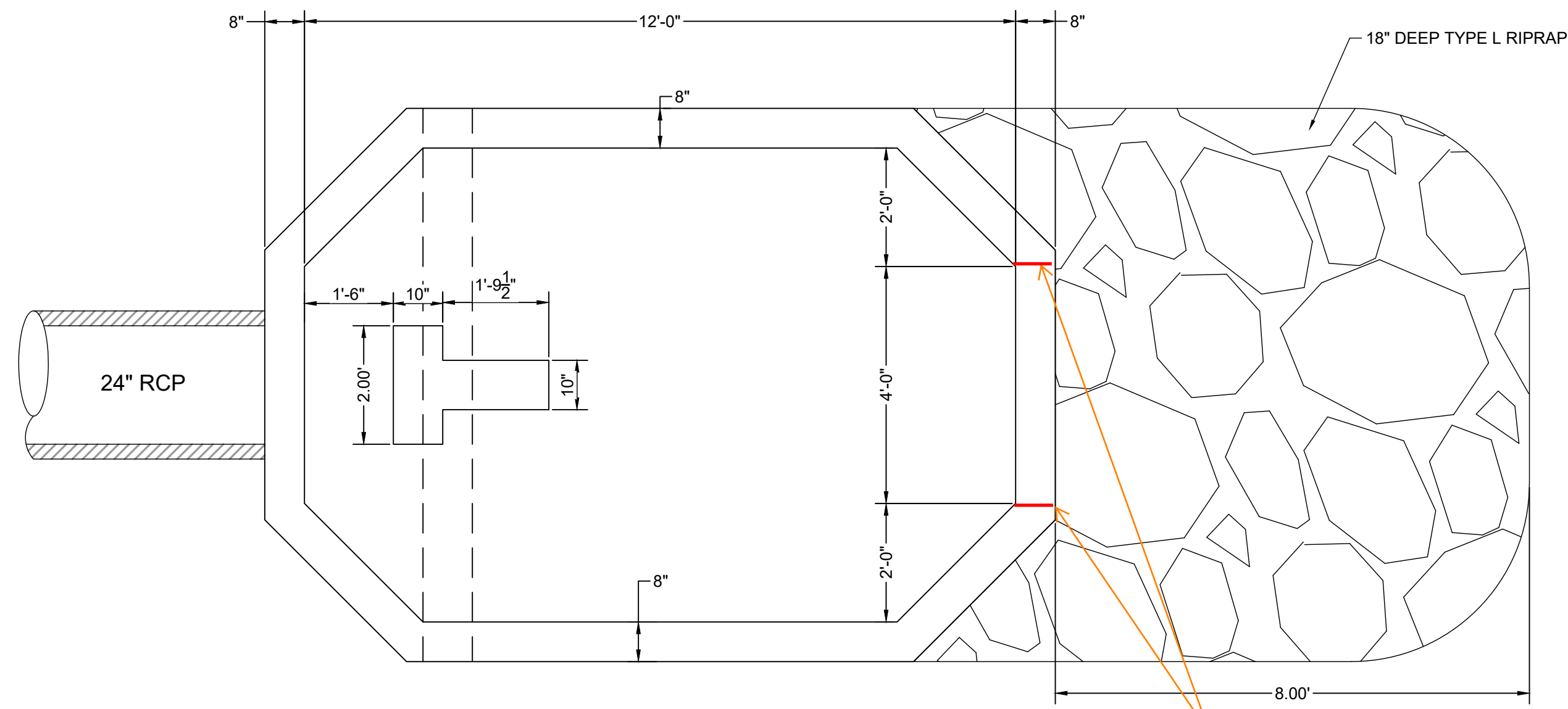
EASTONVILLE ROAD SEGMENT 1 IMPROVEMENTS
 TEMP. SFB D (PUBLIC) POND GRADING PLAN

SHEET
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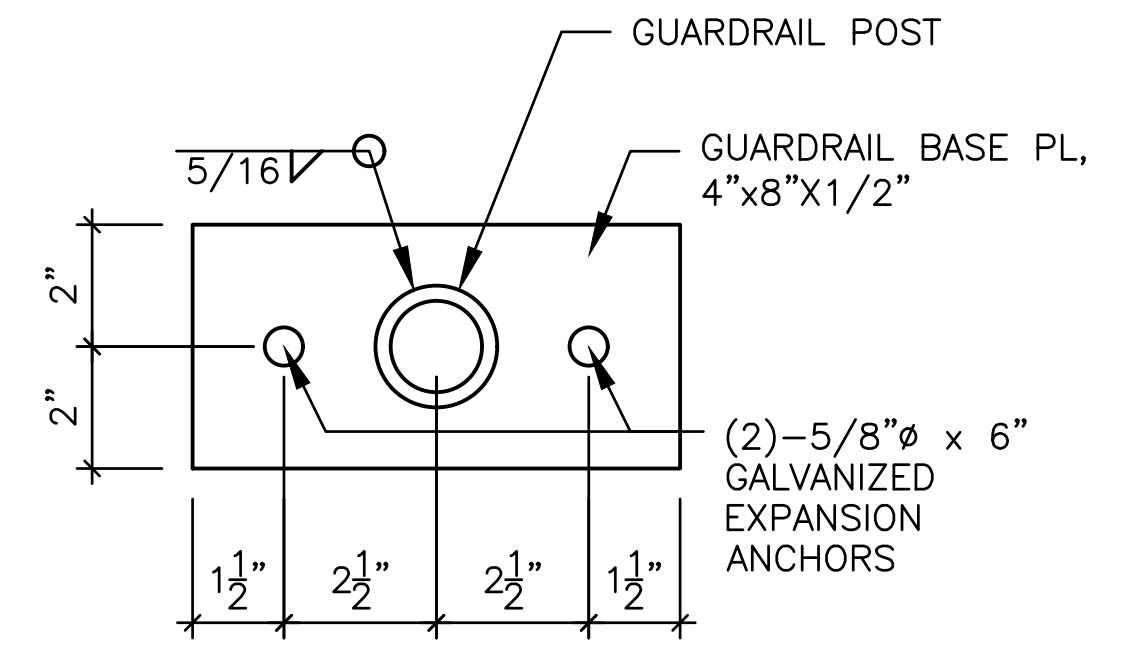


811
 Know what's below.
 Call before you dig.

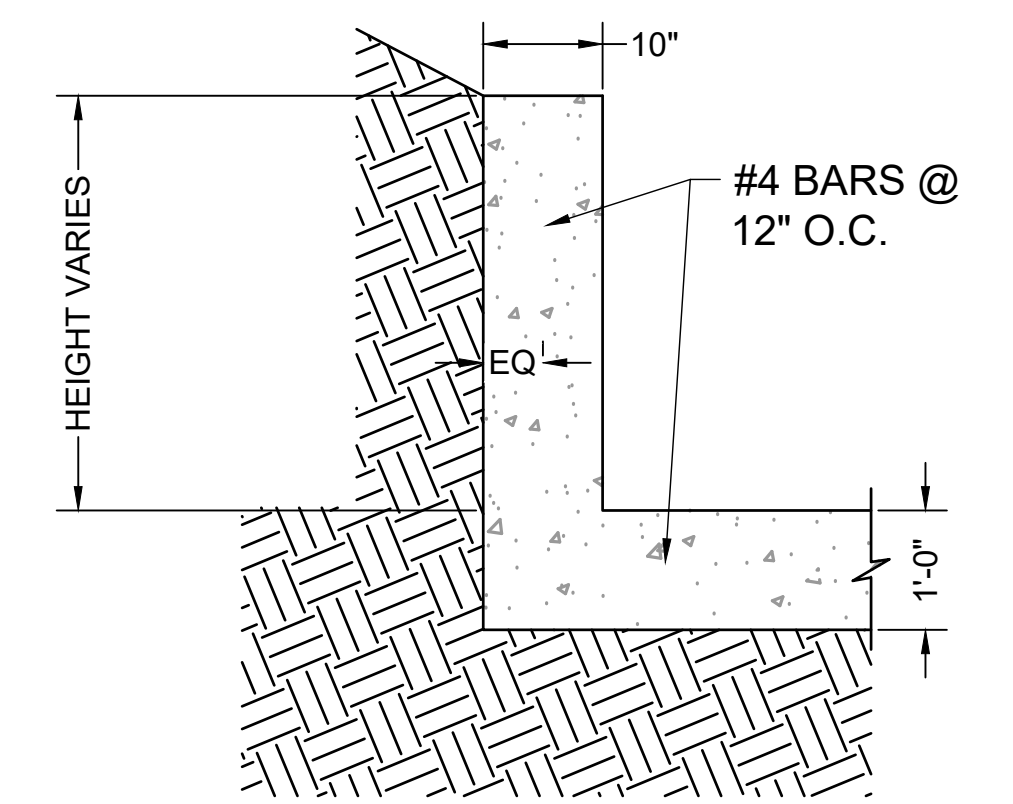
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delineate with simple line work where 0.25 wall depth depression occurs. Red lines shown as examples of what I mean.

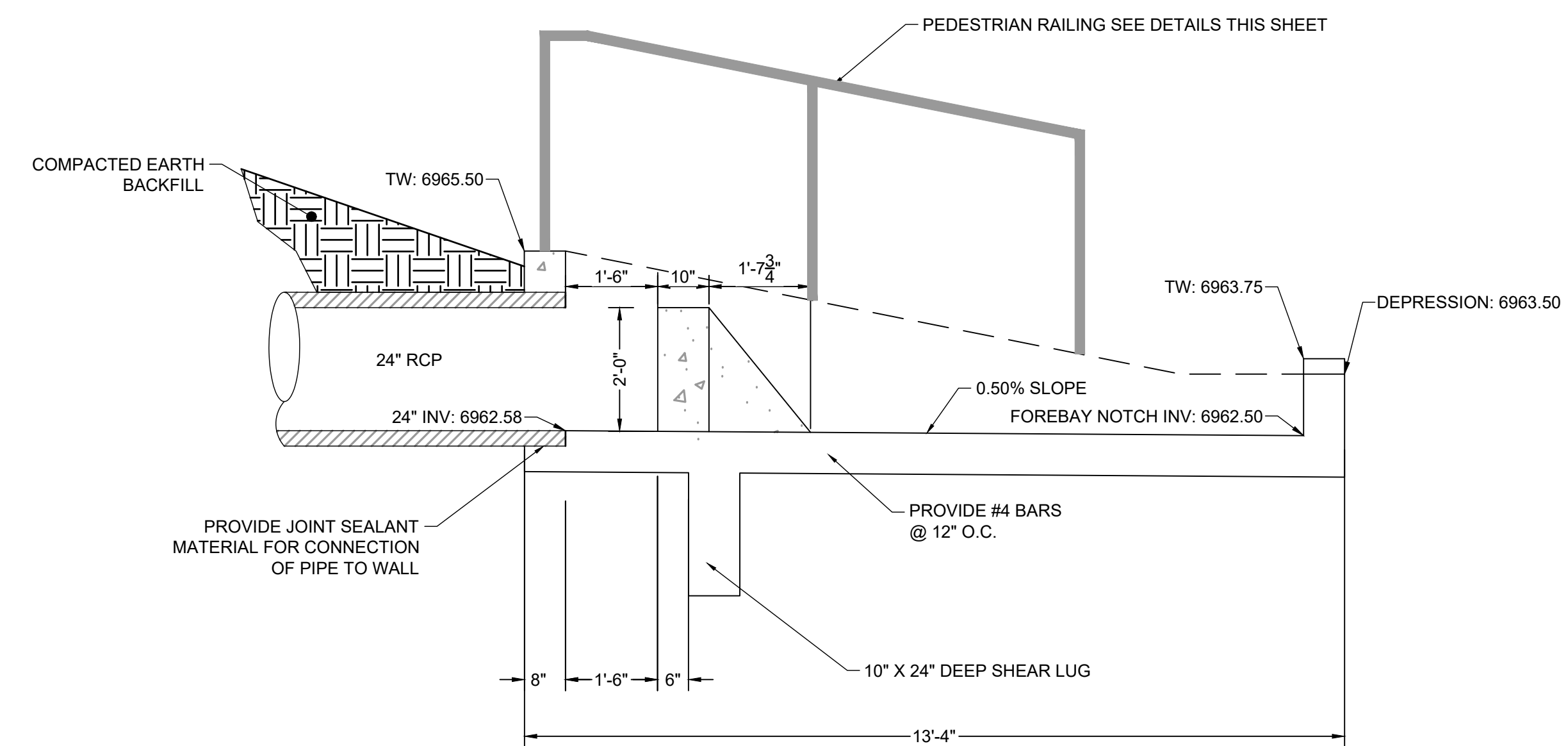


ELEVATION VIEW
HANDRAIL POST DETAIL
SCALE: NTS

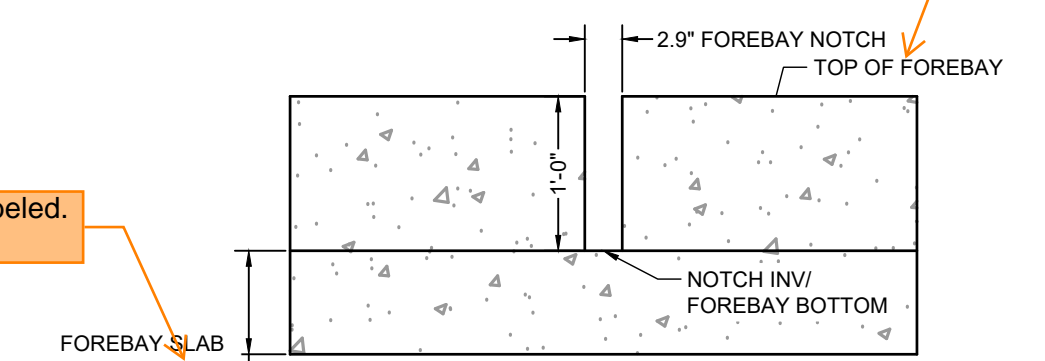


ELEVATION VIEW
FOREBAY WINGWALL REINFORCEMENT DETAIL
SCALE: NTS

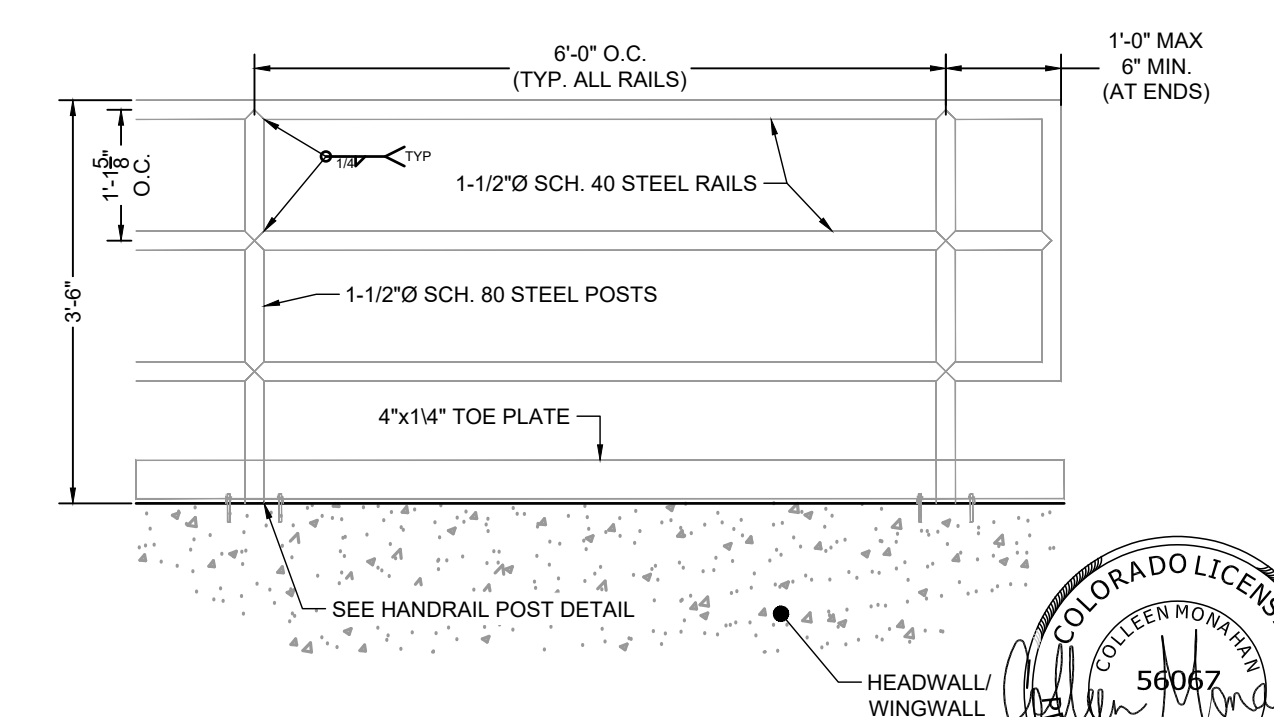
show 0.25 depression on this front wall that is shown on the elevation view to the left.



Section A is not labeled. Please label it.



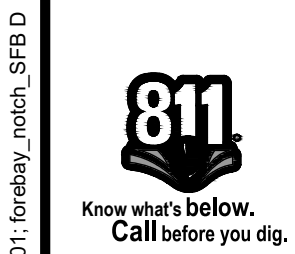
ELEVATION VIEW
FOREBAY NOTCH DETAIL
SCALE: NTS



ELEVATION VIEW
HANDRAIL POST DETAIL
SCALE: NTS



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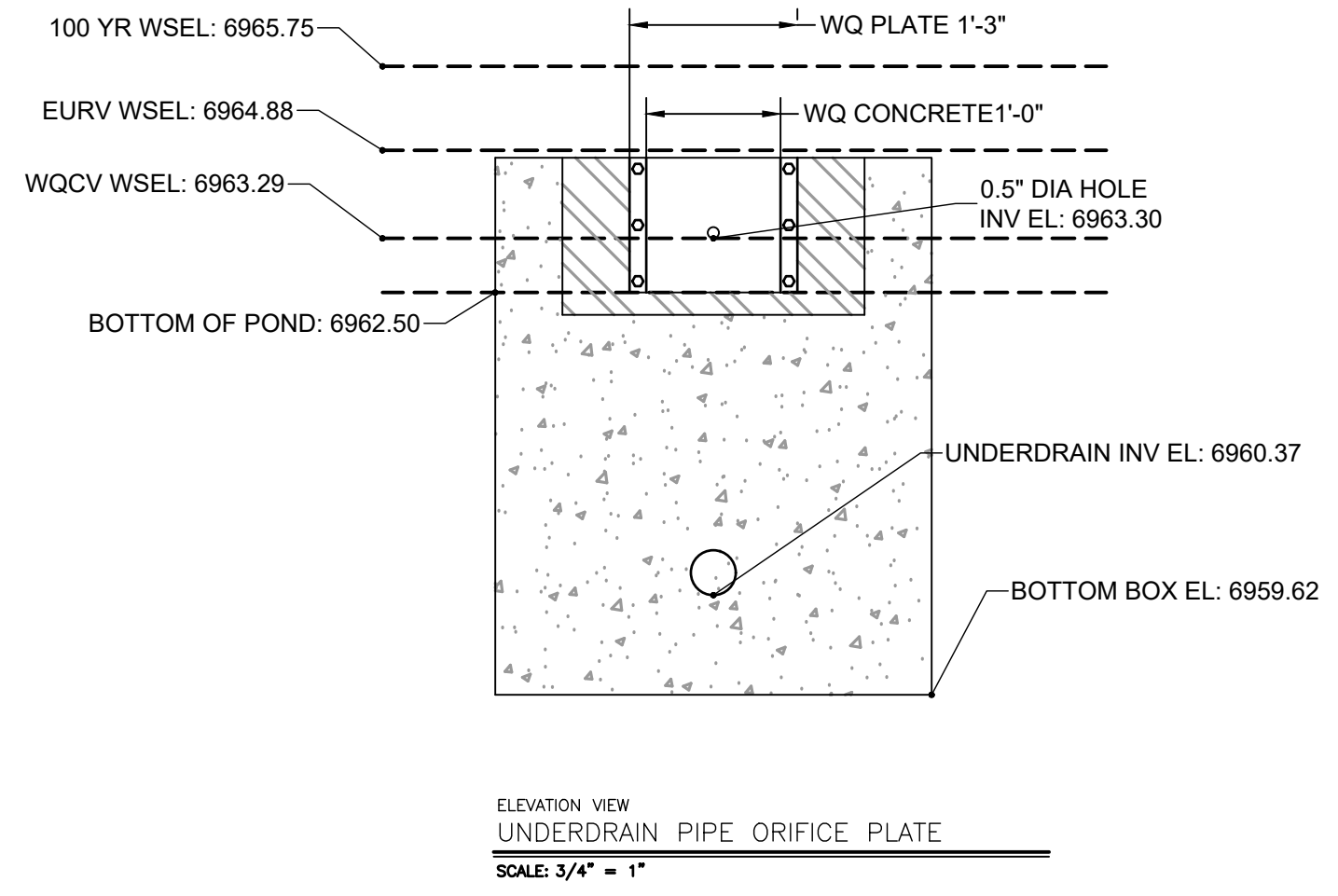
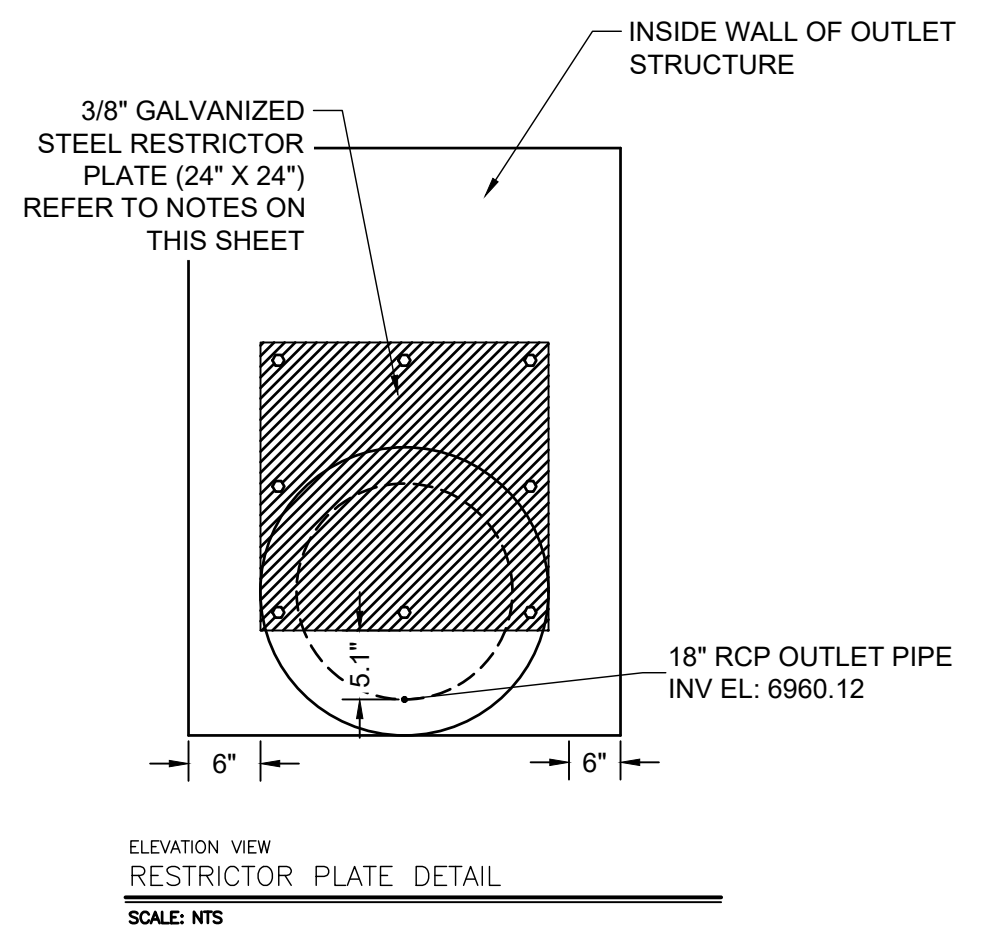
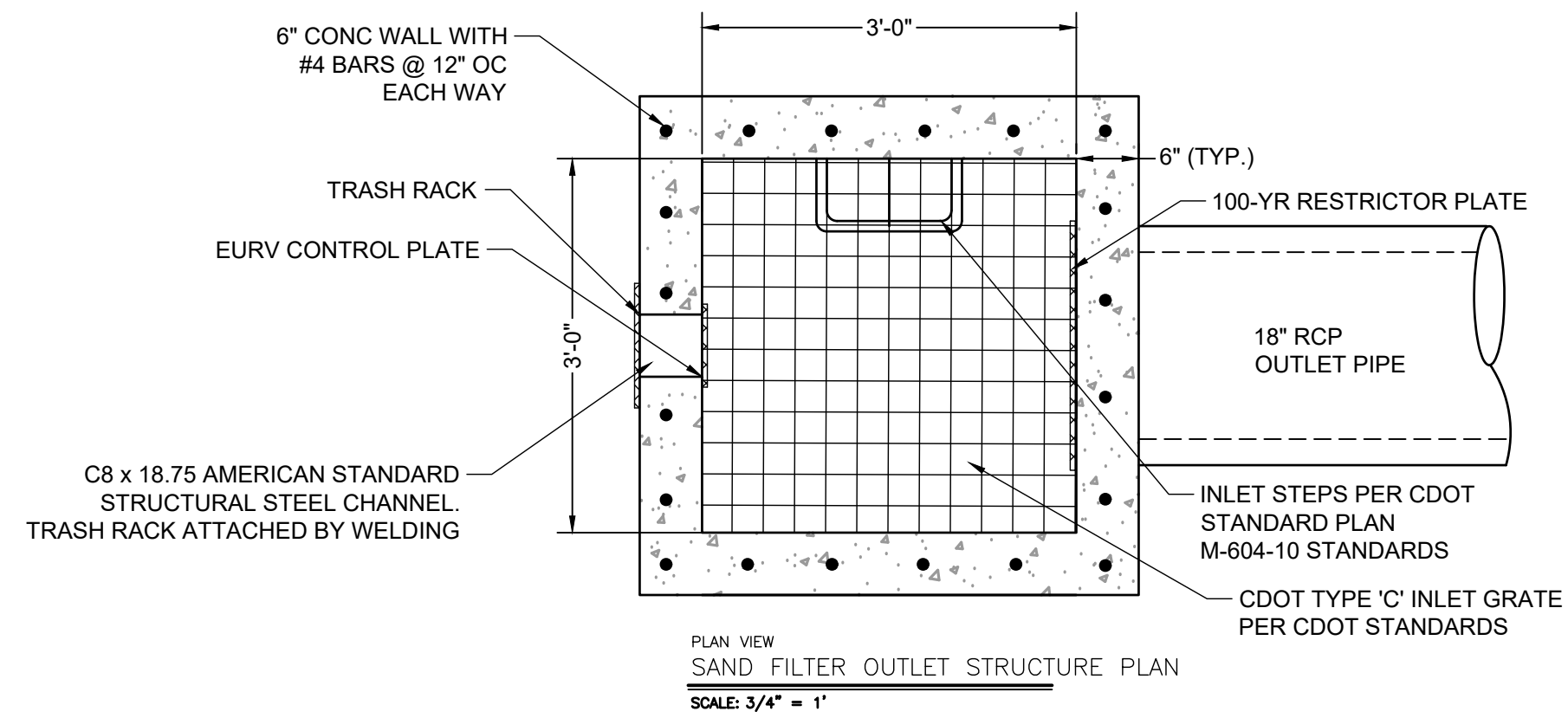
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DR. HORTON
 EL PASO COUNTY, COLORADO

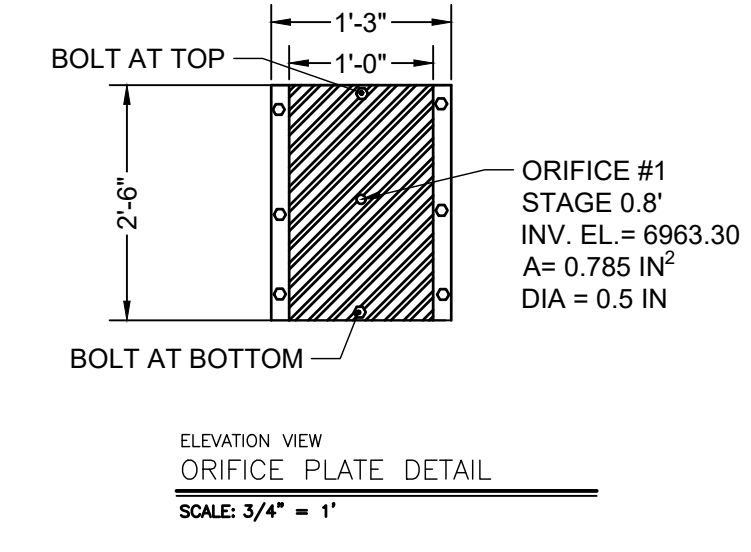
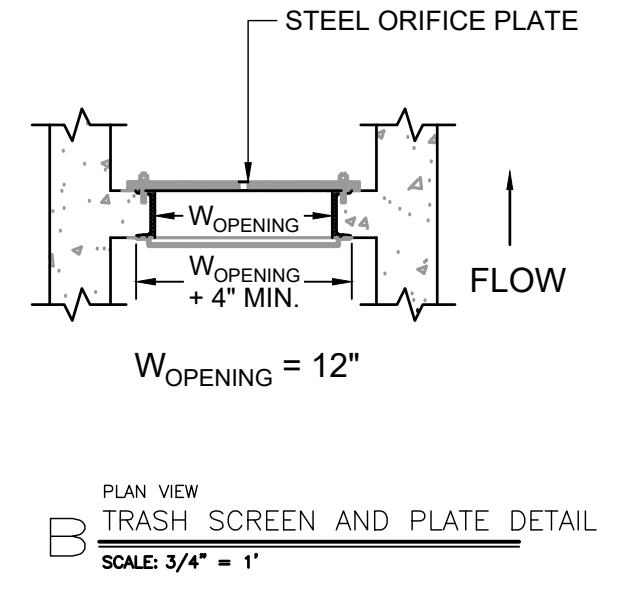
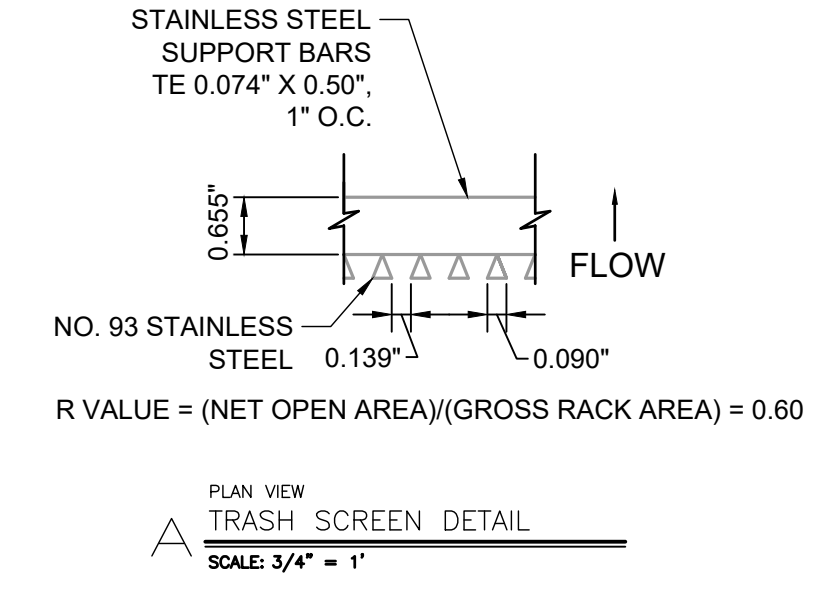
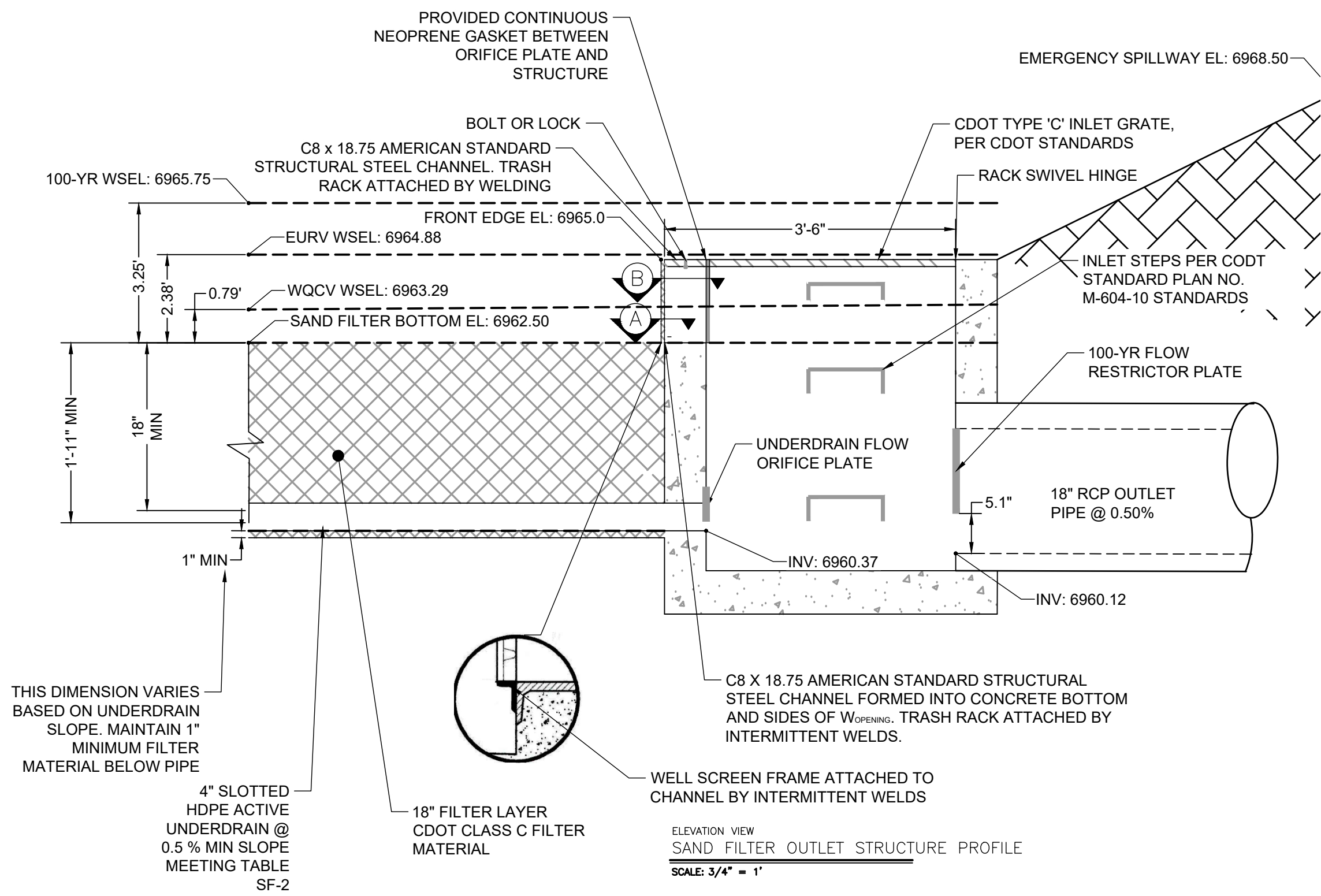
D-R HORTON
America's Builder

EASTONVILLE ROAD SEGMENT 1 IMPROVEMENTS
 TEMP. SFB D (PUBLIC) FOREBAY DETAILS

SHEET
PD.12 29



- ORIFICE PLATE NOTES:**
1. PLATE TO BE 3/8" THICK GALVANIZED STEEL.
 2. BOLT PLATE TO CONCRETE @ 12" O.C. MAX.
 3. PROVIDE CONTINUOUS NEOPRENE GASKET MATERIAL BETWEEN THE ORIFICE PLATE AND CONCRETE.
- TRASH SCREEN NOTES:**
1. WELL-SCREEN TRASH RACKS SHALL BE STAINLESS STEEL AND SHALL BE ATTACHED BY INTERMITTENT WELDS ALONG THE EDGE OF THE MOUNTING FRAME.
 2. BAR GATE TRASH RACKS SHALL BE ALUMINUM AND SHALL BE BOLTED USING STAINLESS STEEL HARDWARE.
 3. TRASH RACK OPEN AREAS ARE FOR SPECIFIED TRASH RACK MATERIALS. TOTAL TRASH RACK SIZE MAY NEED TO BE ADJUSTED FOR MATERIALS HAVING DIFFERENT OPEN AREA/GROSS AREA RATIO (R VALUE).
 4. STRUCTURAL DESIGN OF TRASH RACKS SHALL BE BASED ON FULL HYDROSTATIC HEAD WITH ZERO HEAD DOWNSTREAM OF THE RACK.
- RESTRICTOR PLATE NOTES:**
1. 3/8" THICK RESTRICTOR PLATE, GALVANIZED STEEL.
 2. BOLT PLATE TO CONCRETE @ 12" O.C. MAX.
 3. PROVIDE CONTINUOUS NEOPRENE GASKET MATERIAL BETWEEN PLATE AND CONCRETE.
 4. CONTRACTOR SHALL SUBMIT SHOP DRAWINGS FOR ALL PLATES AND GRATING FOR ENGINEER'S APPROVAL PRIOR TO CONSTRUCTION.



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

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

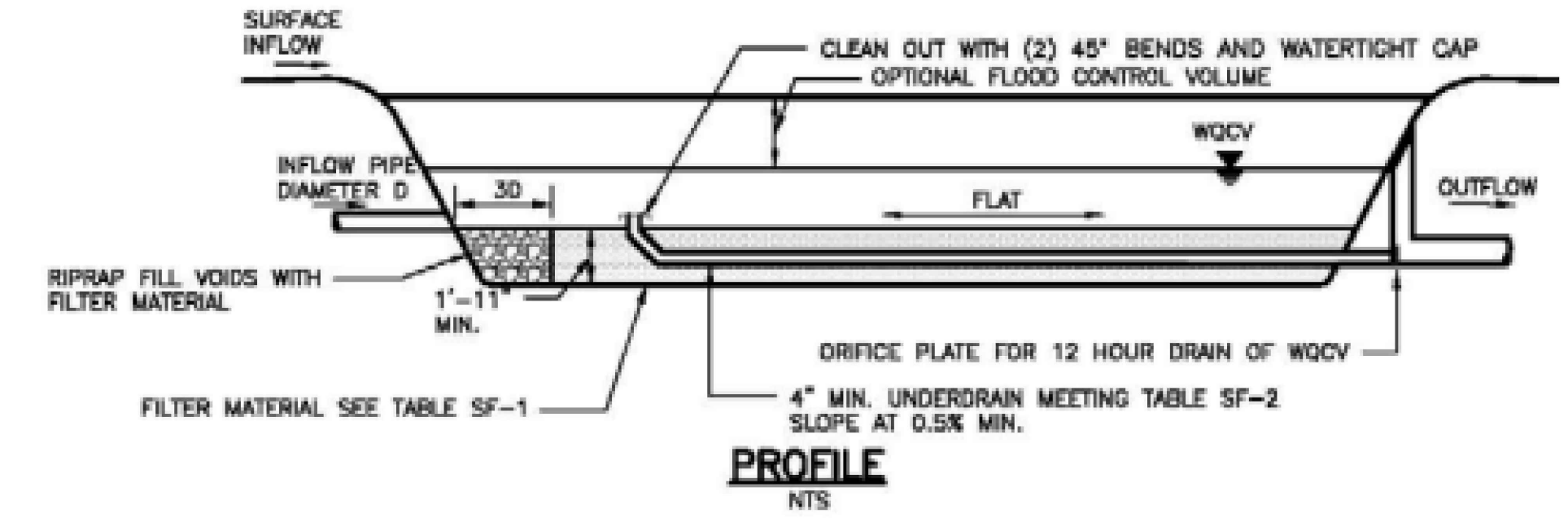
TWO SIGNS, EACH WITH A MINIMUM AREA OF 3 SQUARE FEET, SHALL BE PROVIDED AROUND THE PERIMETER OF ALL DETENTION FACILITIES. THE SIGNS SHALL BE FABRICATED OF DURABLE MATERIALS, SUCH AS METAL OR PLASTIC, USING RED LETTERING ON A WHITE BACKGROUND WITH THE ABOVE MESSAGE

Table SF-2. Dimensions for Slotted Pipe¹

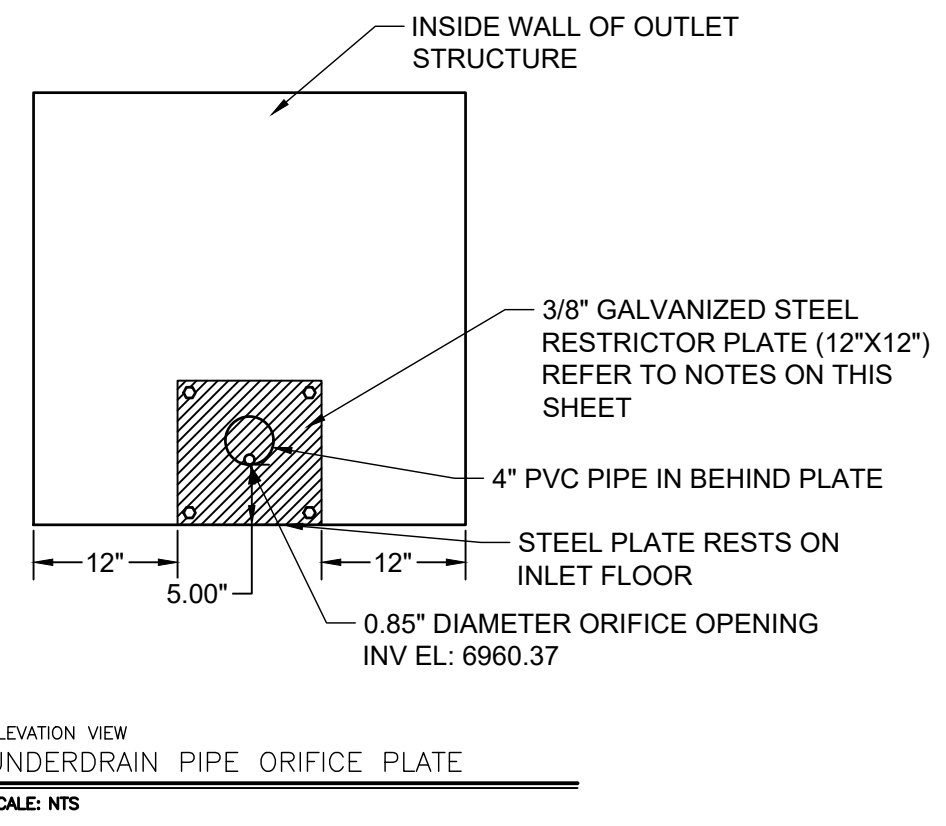
Pipe Size	Slot Length	Maximum Slot Width	Slot Centers	Open Area (per foot)
4"	1-1/16"	0.032"	0.413"	1.90 in ²
6"	1-3/8"	0.032"	0.516"	1.98 in ²

¹ Pipe must conform to requirements of ASTM designation F949. There shall be no evidence of splitting, cracking, or breaking when the pipe is tested per ASTM test method D2412 in accordance with F949 section 7.5 and ASTM F794 section 8.5. Contech A-2000 slotted pipe (or equal).

CLASS C FILTER MATERIAL (SOURCE: CDOT TABLE 703-7)	
SIIEVE SIZE	MASS PERCENT PASSING SQUARE MESH SIEVES
10 mm (3/4")	100
4.75 mm (No. 4)	60 - 100
300 um (No. 50)	10 - 30
150 um (No. 100)	0 - 10
75 um (No. 200)	0 - 3



NOTE: THIS DETAIL SHOWS A PARTIAL INFILTRATION SECTION. FOR FULL INFILTRATION ELIMINATE UNDERDRAIN AND PROVIDE 1'-6" OF FILTER MATERIAL. FOR NO INFILTRATION PROVIDE IMPERMEABLE MEMBRANE SECURED TO CAST-IN-PLACE CONCRETE WALL. SEE DETAILS SF-2 AND SF-3.



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 DR. HORTON
 EL PASO COUNTY, COLORADO

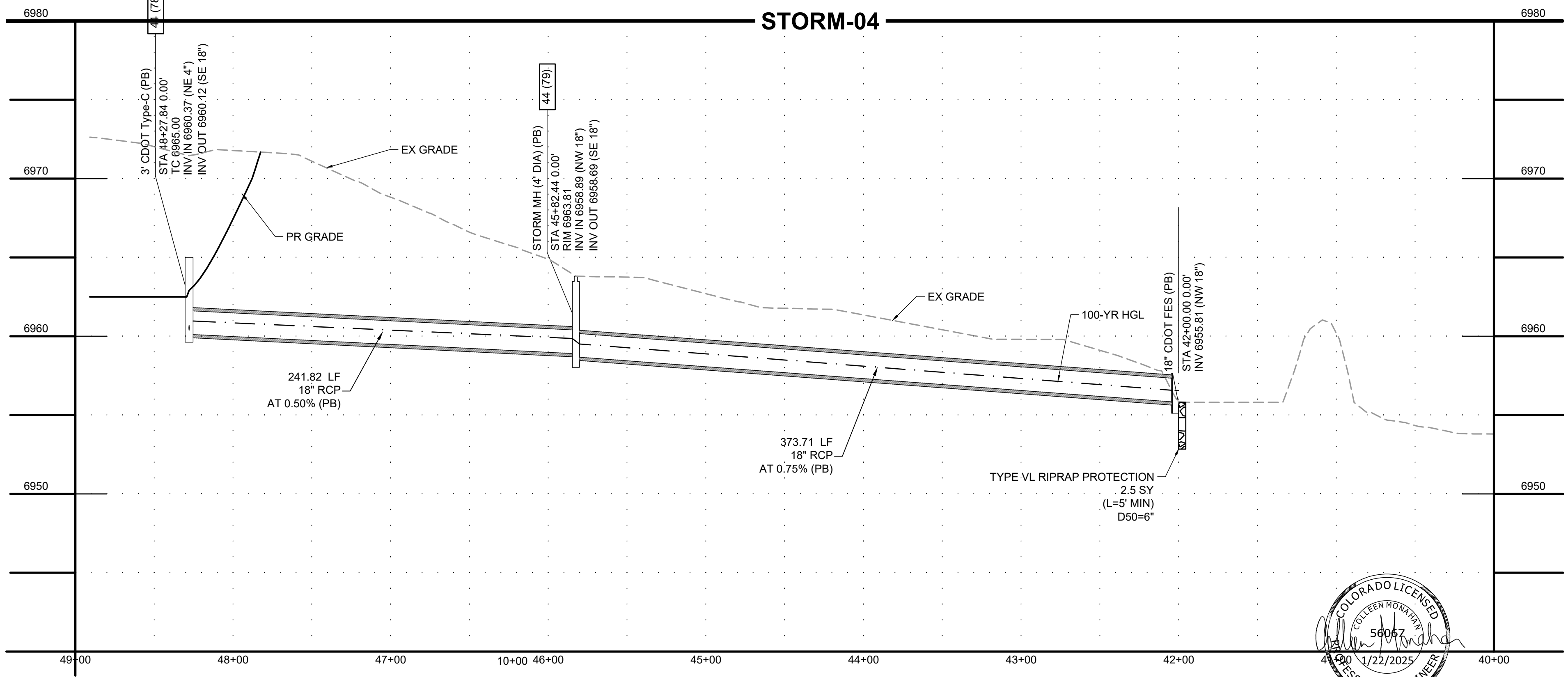
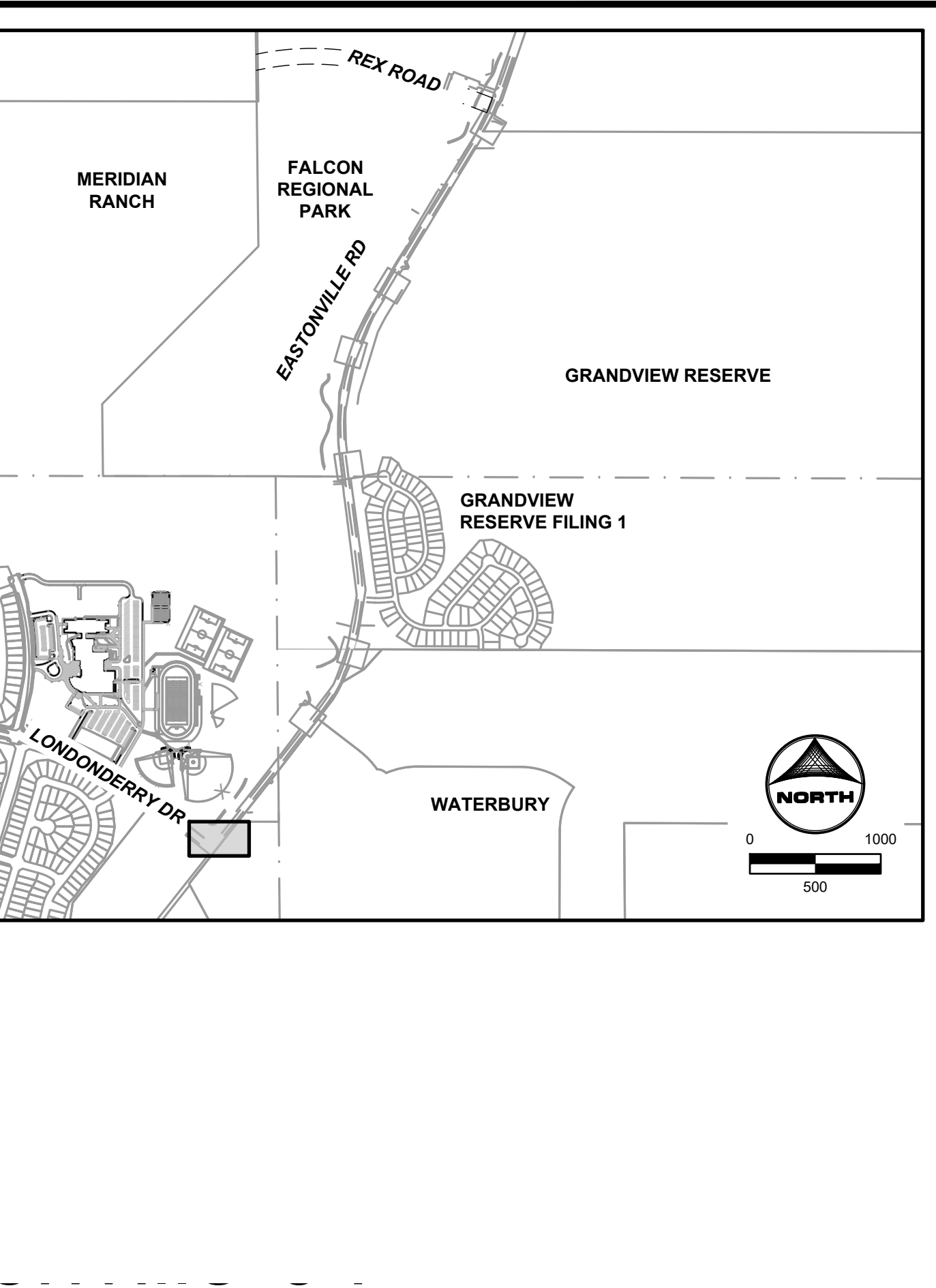
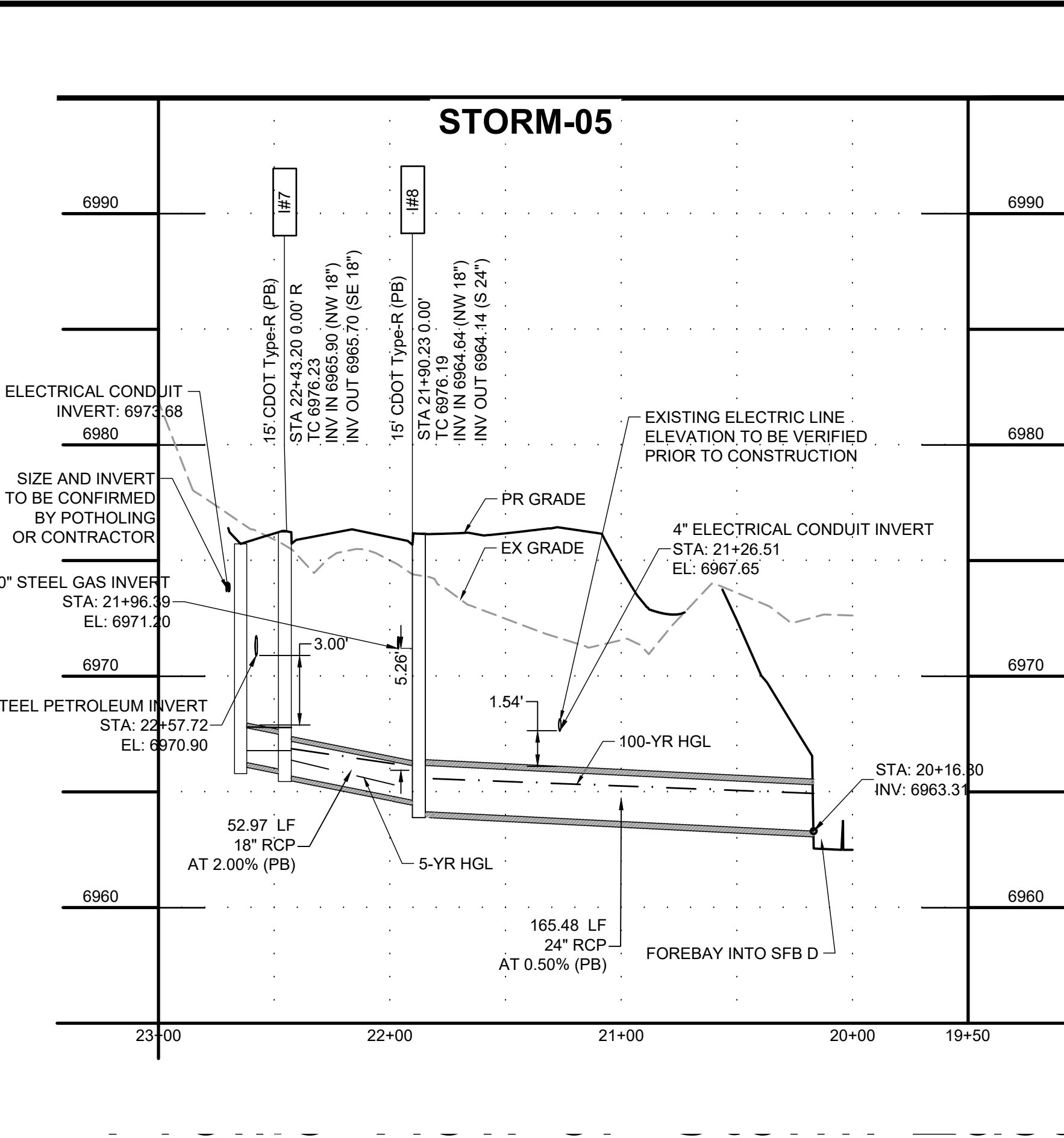
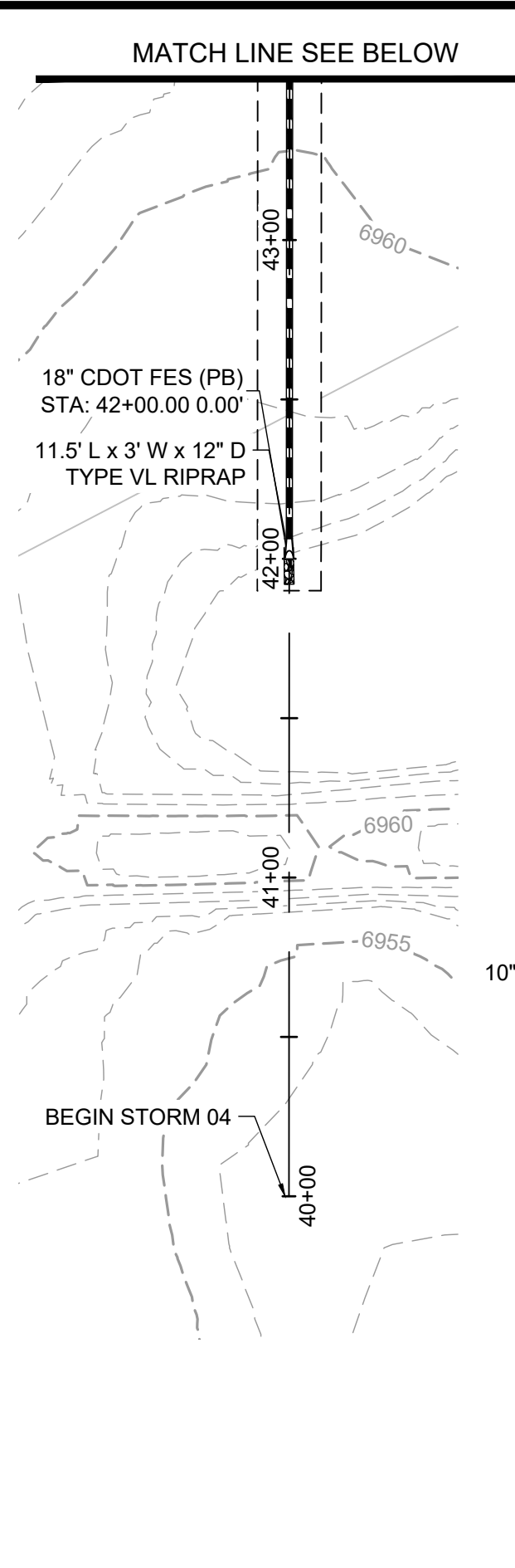
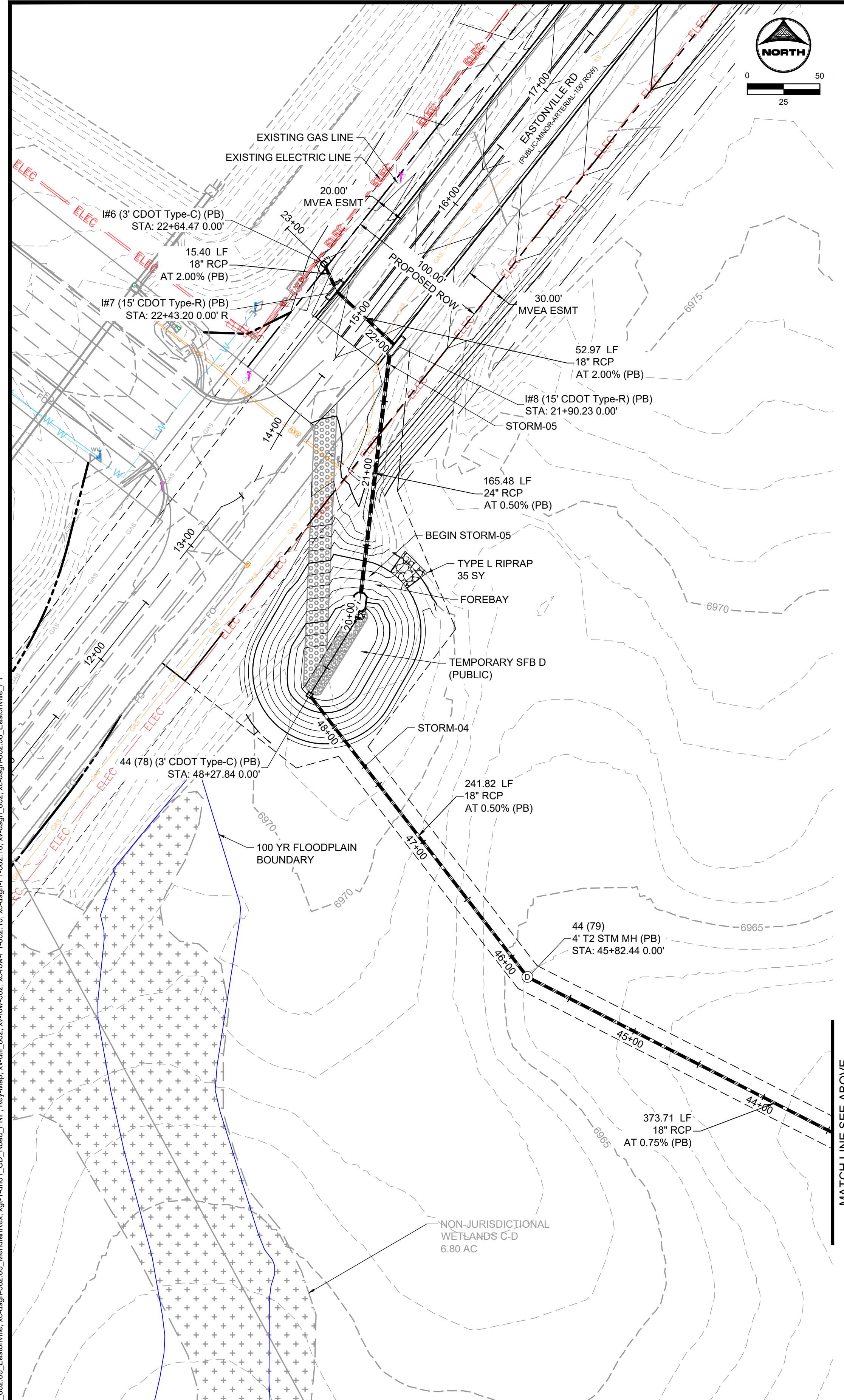
EASTONVILLE ROAD SEGMENT 1 IMPROVEMENTS
 TEMP SFB D (PUBLIC) OUTLET STRUCTURE

SHEET PD.13 30



EDARP FILING NO. CDR2321

HR GREEN xref: xpl-1-dh01_CD_Road_PNP



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 APPROVED: CPM JOB NUMBER: 201662.08
 CAD DATE: 1/20/2025
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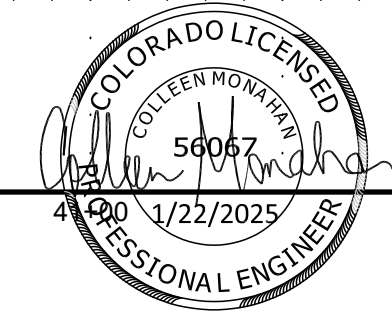
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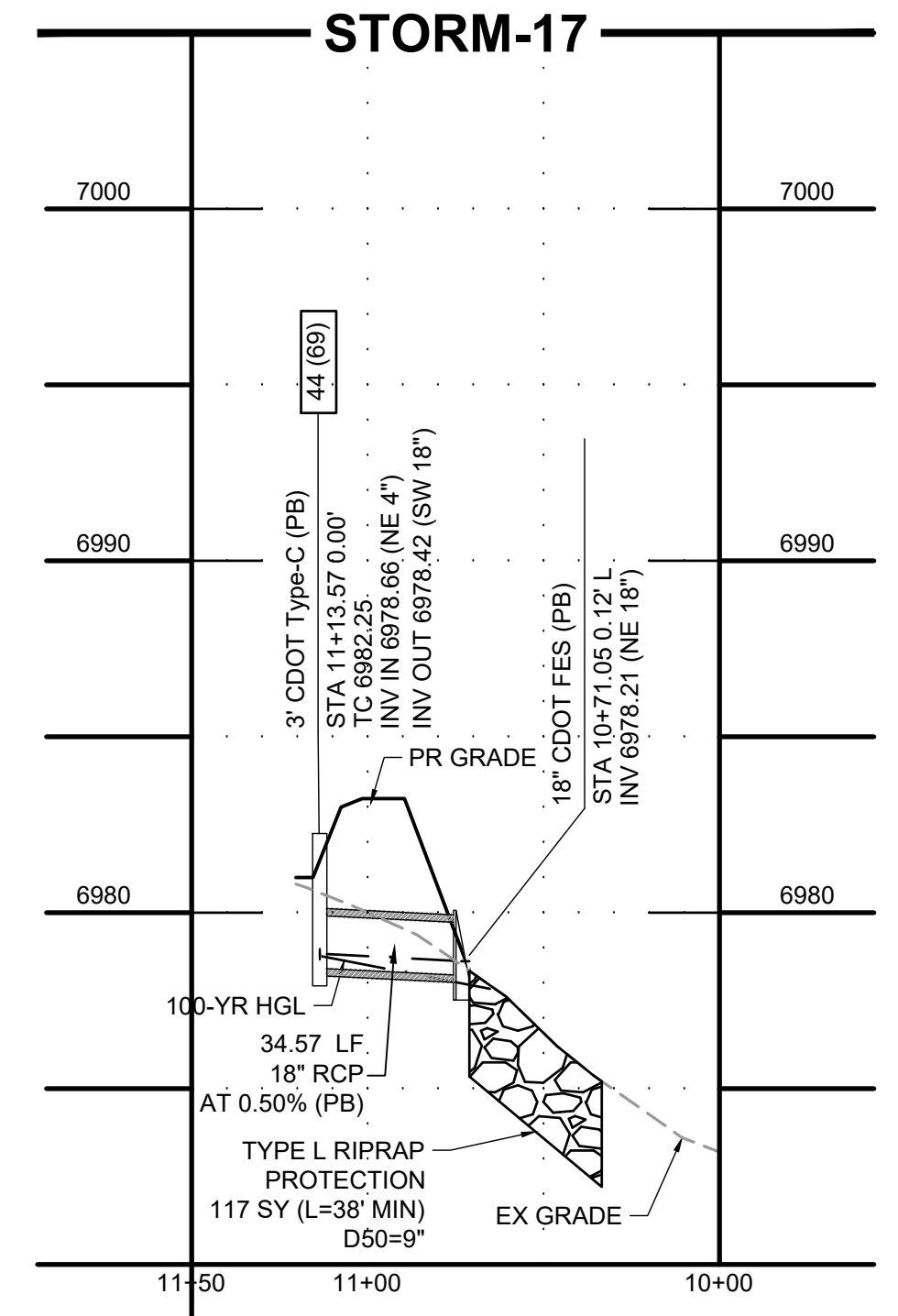
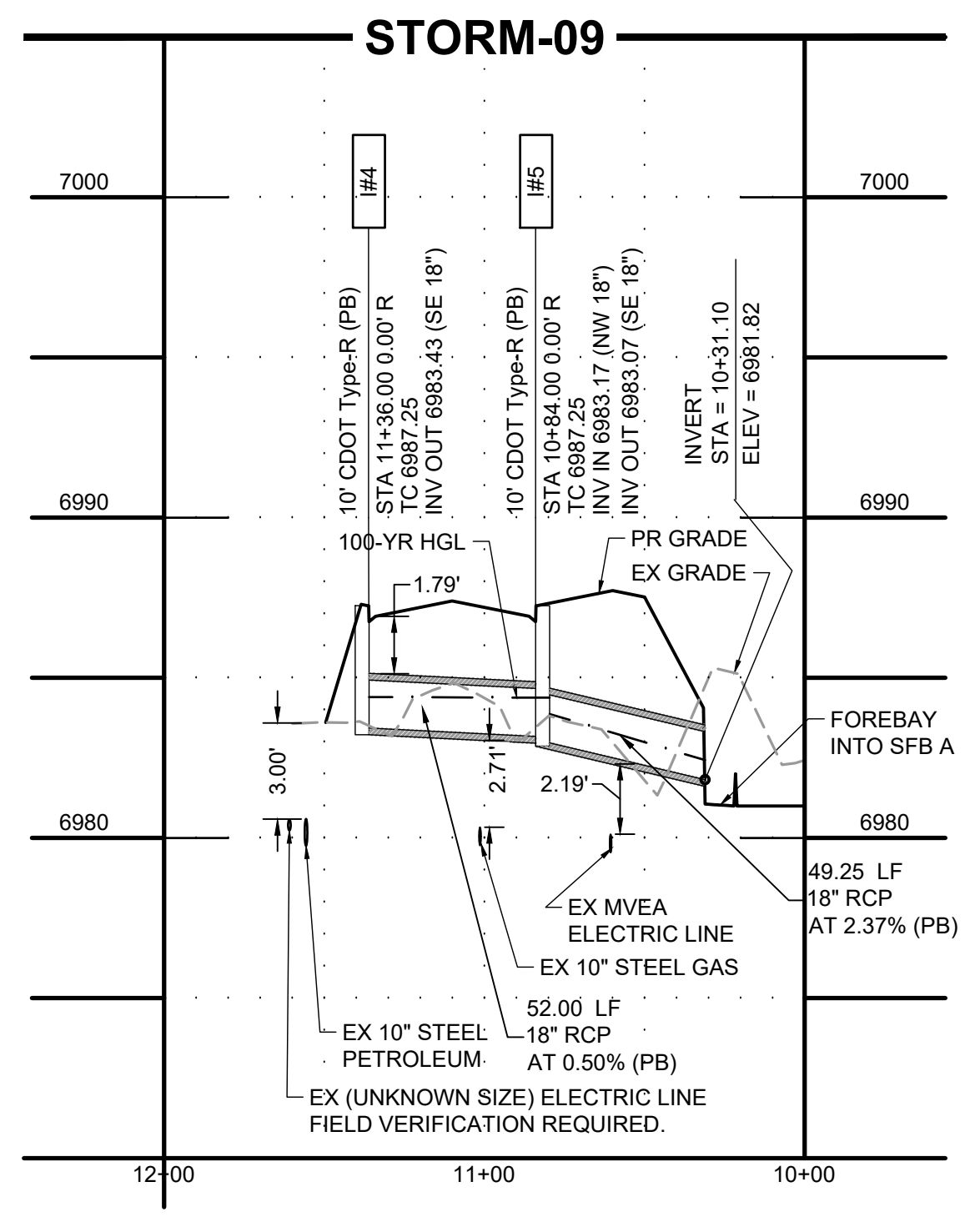
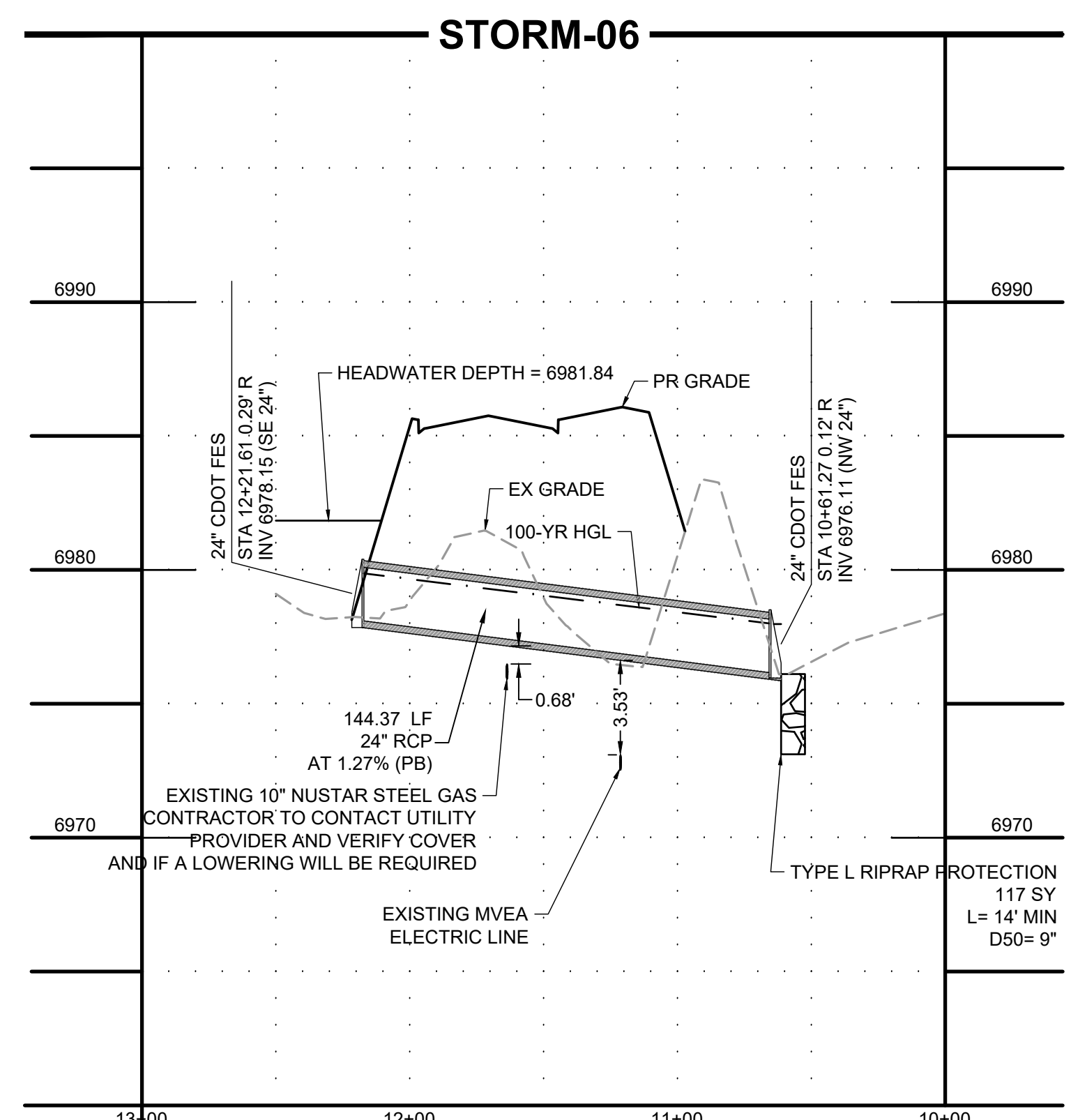
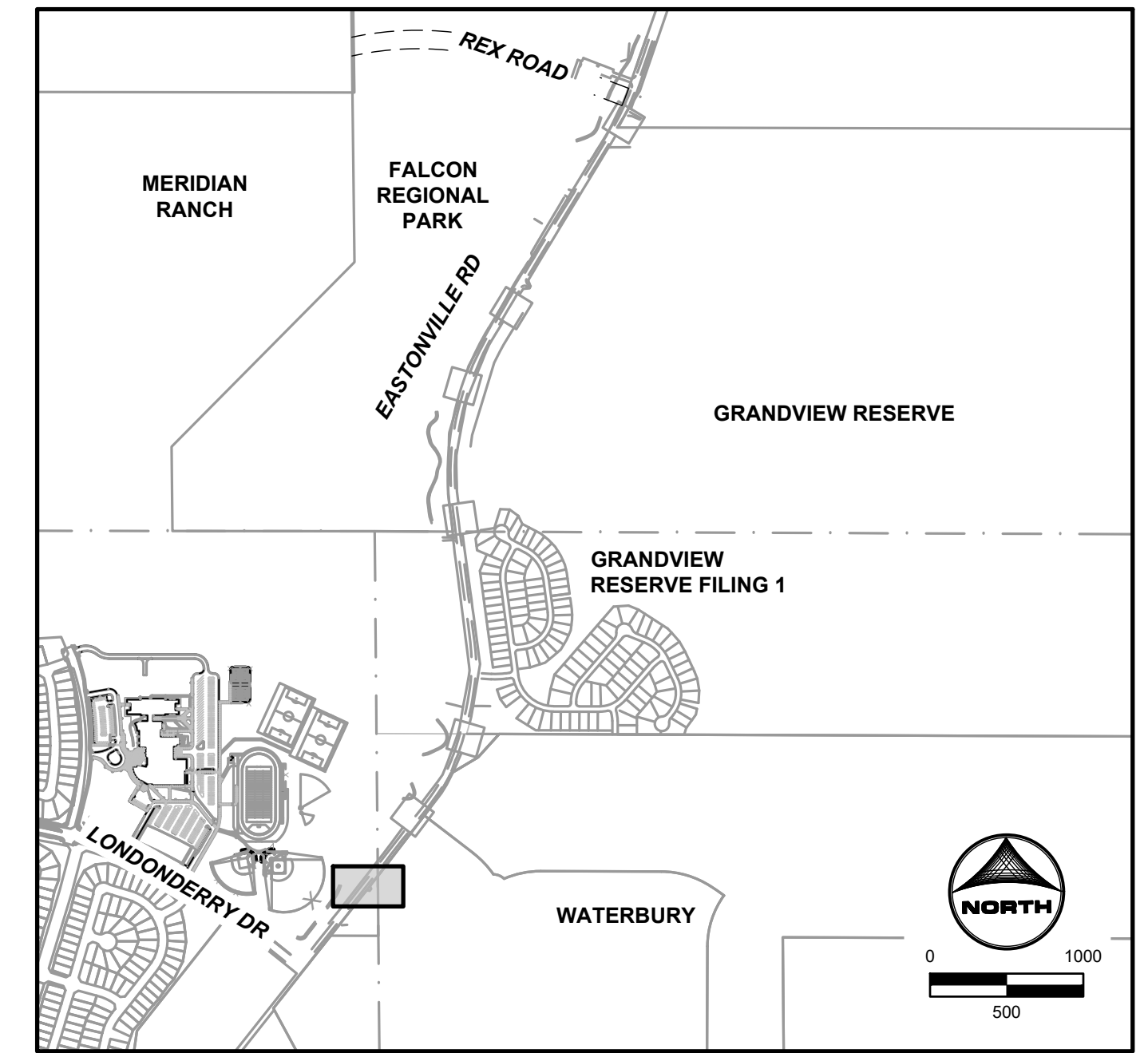
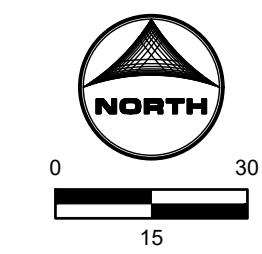
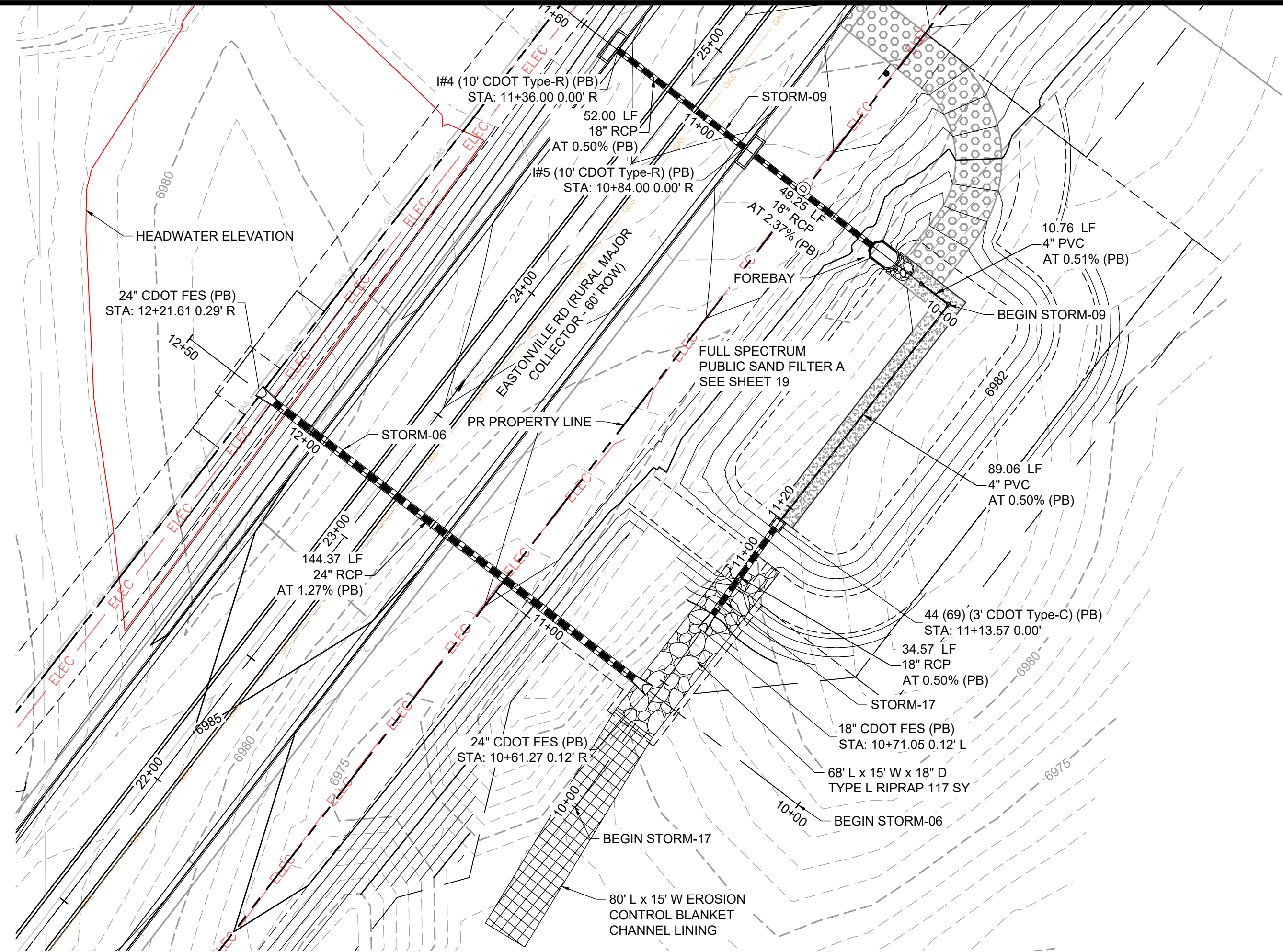
STORM PLAN & PROFILES
 STORM PLAN & PROFILE

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HR GREEN - COLORADO SPRINGS, COLORADO: xc-dgn-662.08, MeridianRex, xg1-1-n01_CD_Road_PNF_Key-Map, xv-ull_662, xc-row-662, xc-row-F-662, 10, xc-dgn-F-662, 10, xv-dgn_662, xc-dgn-662.08, Eastonville_P1



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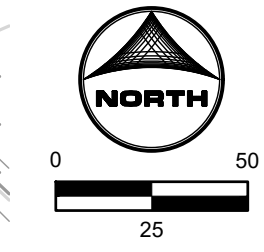
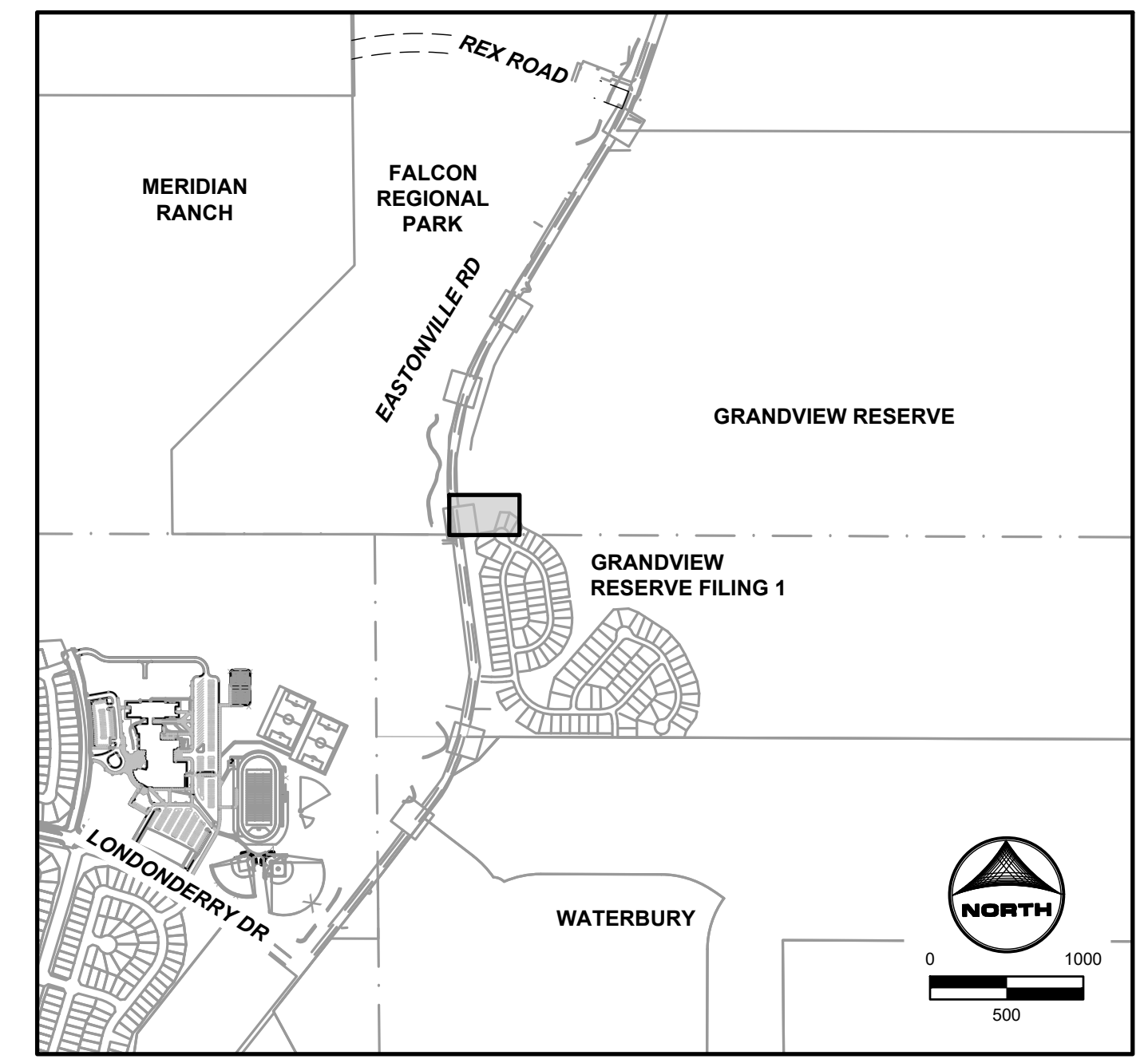
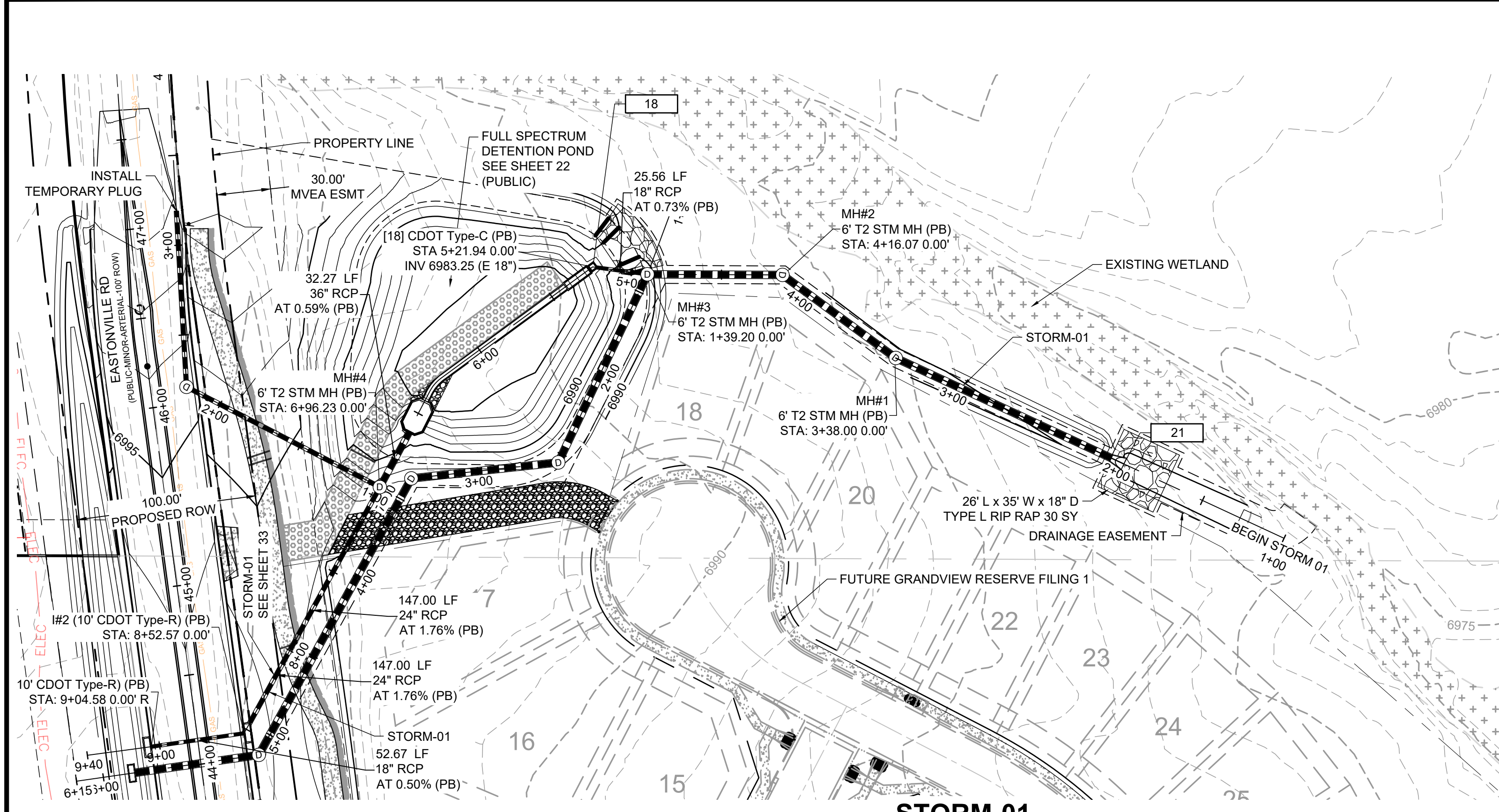
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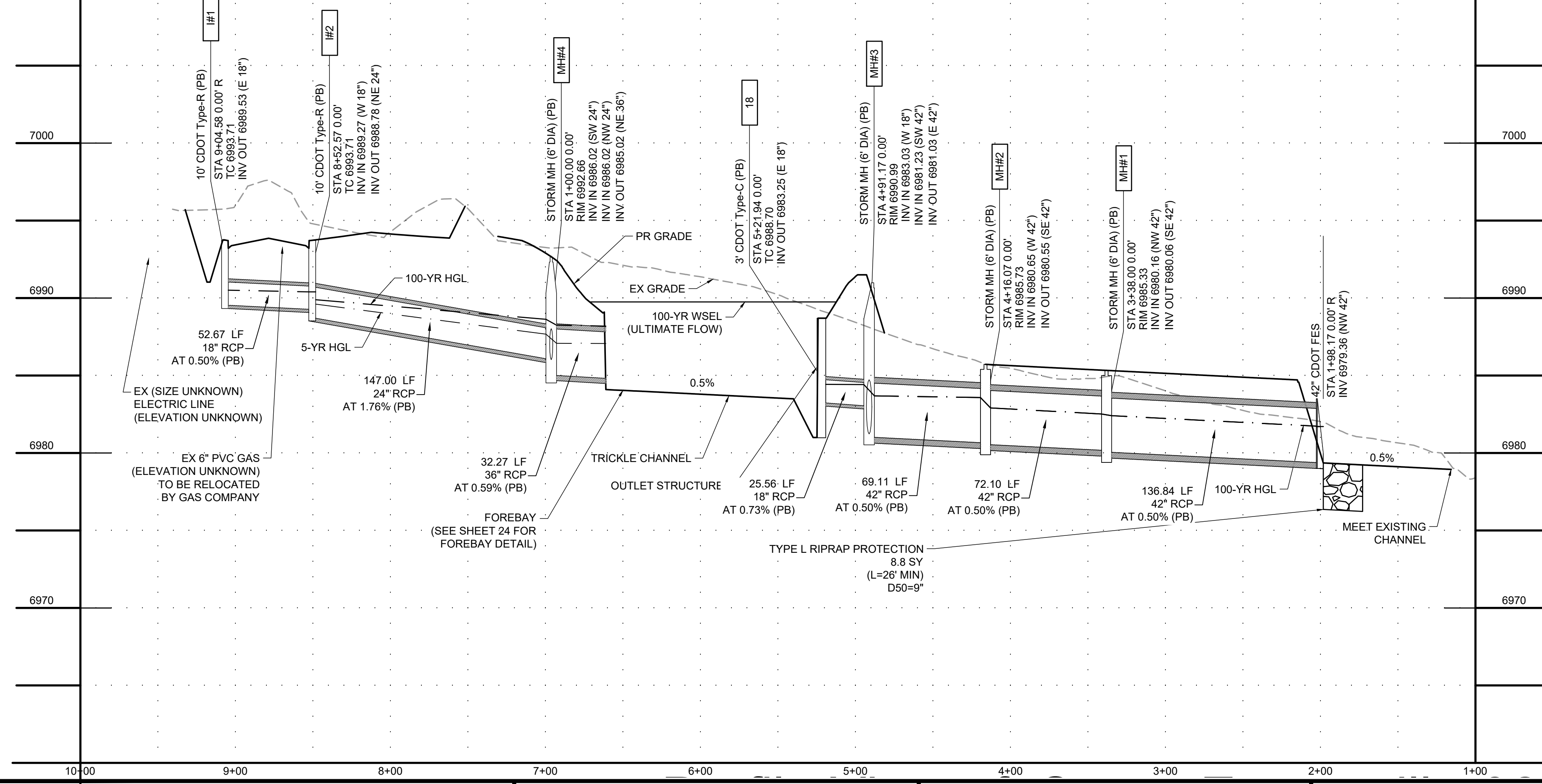
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STORM-01



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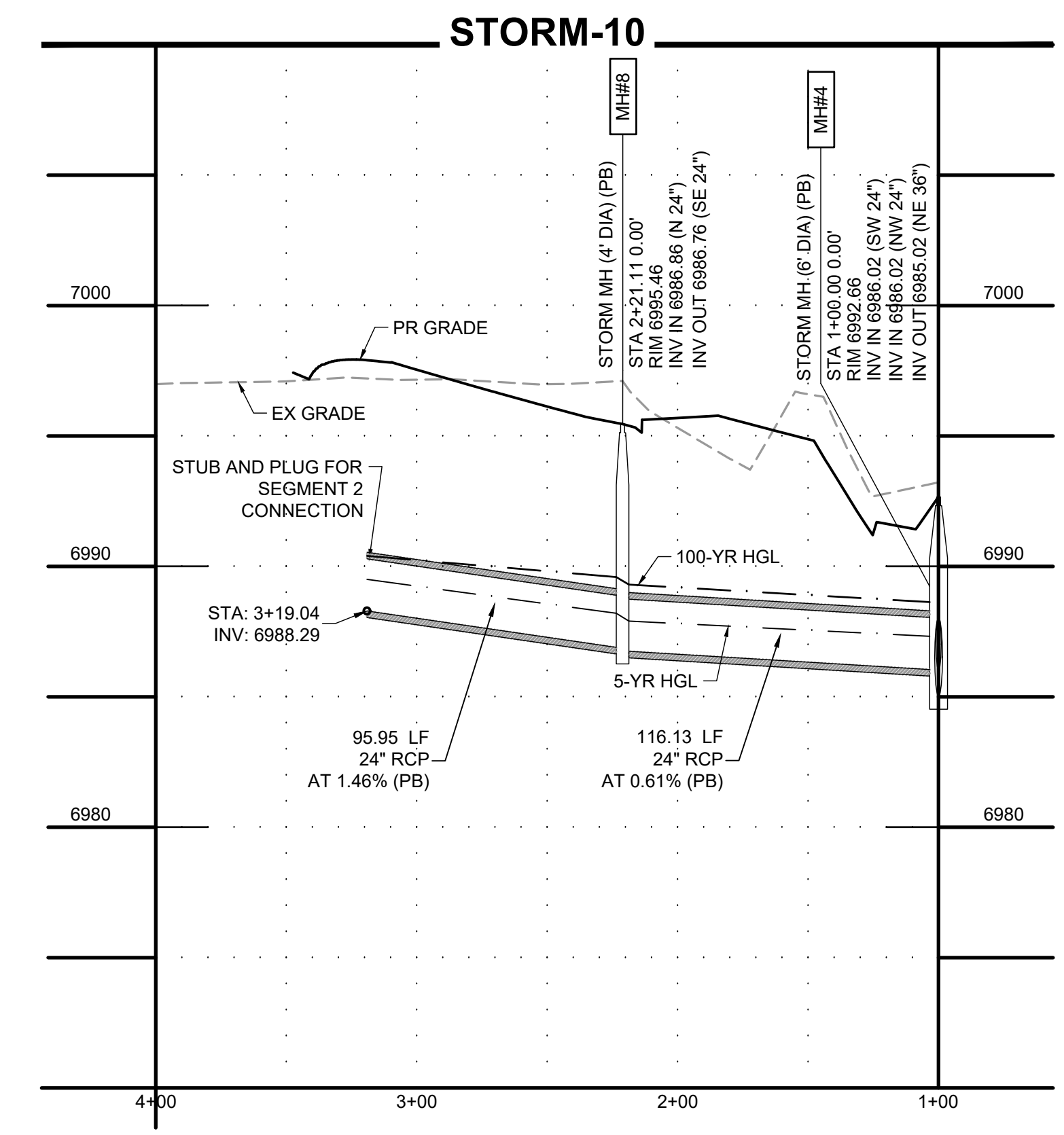
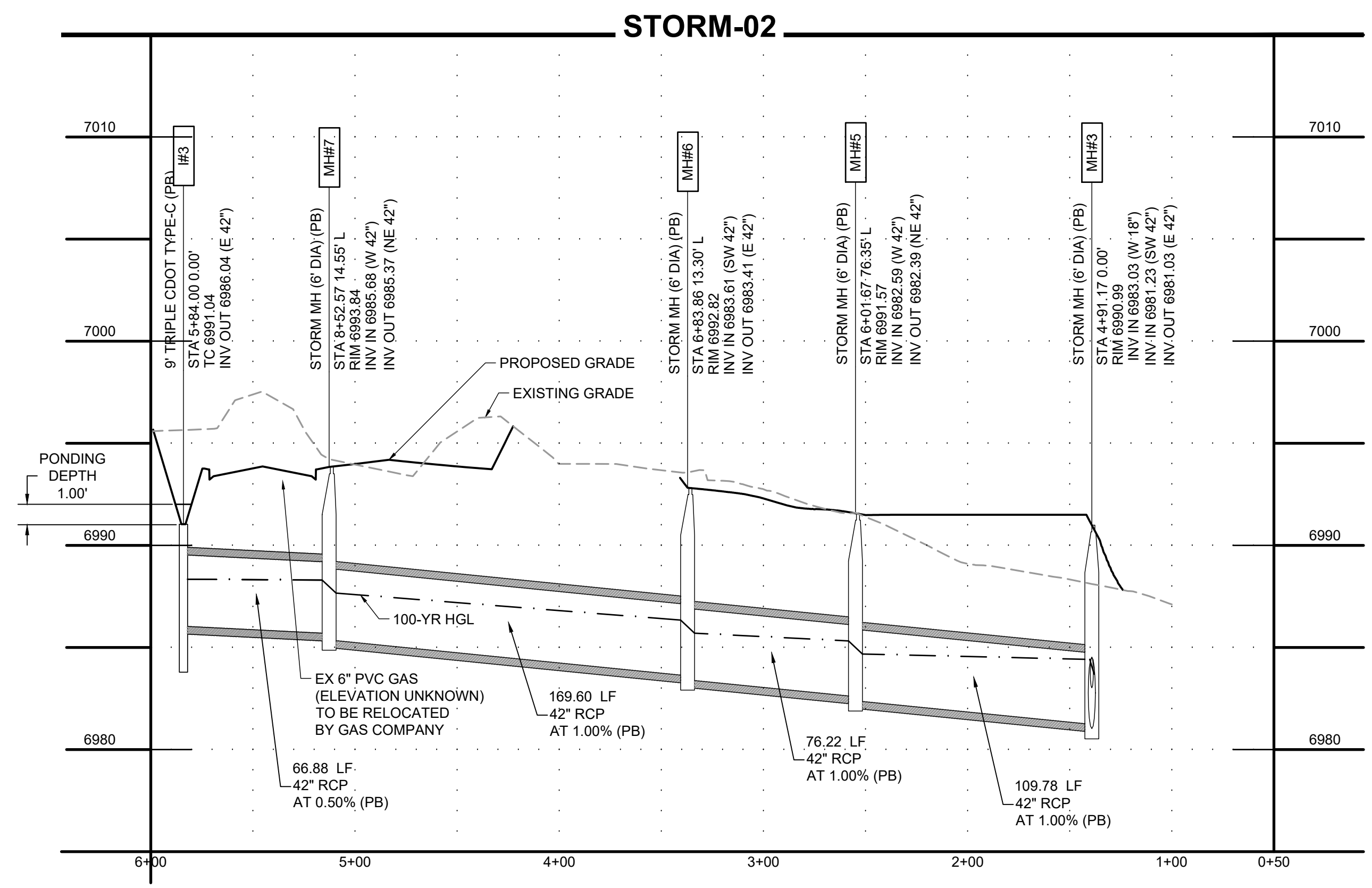
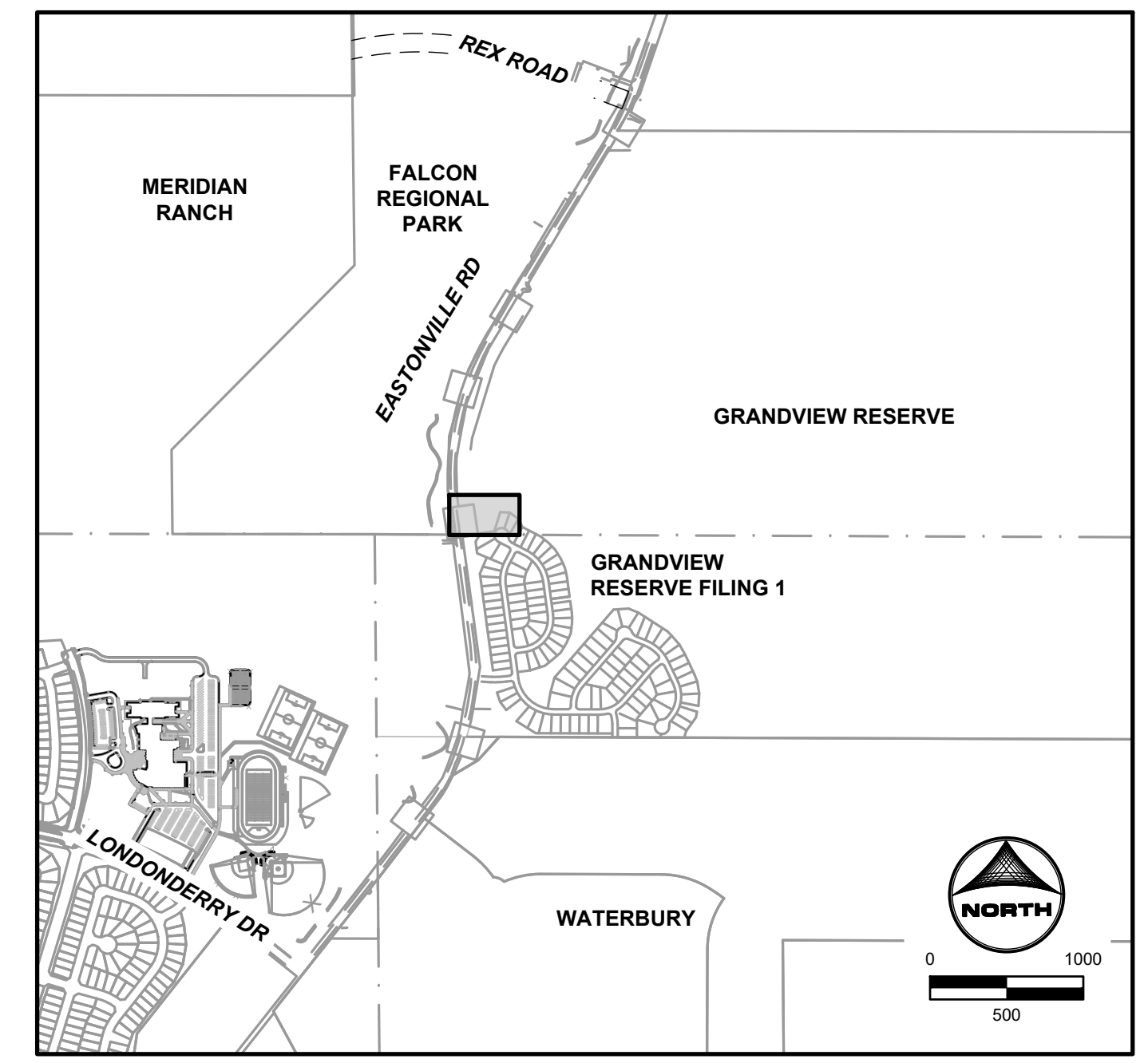
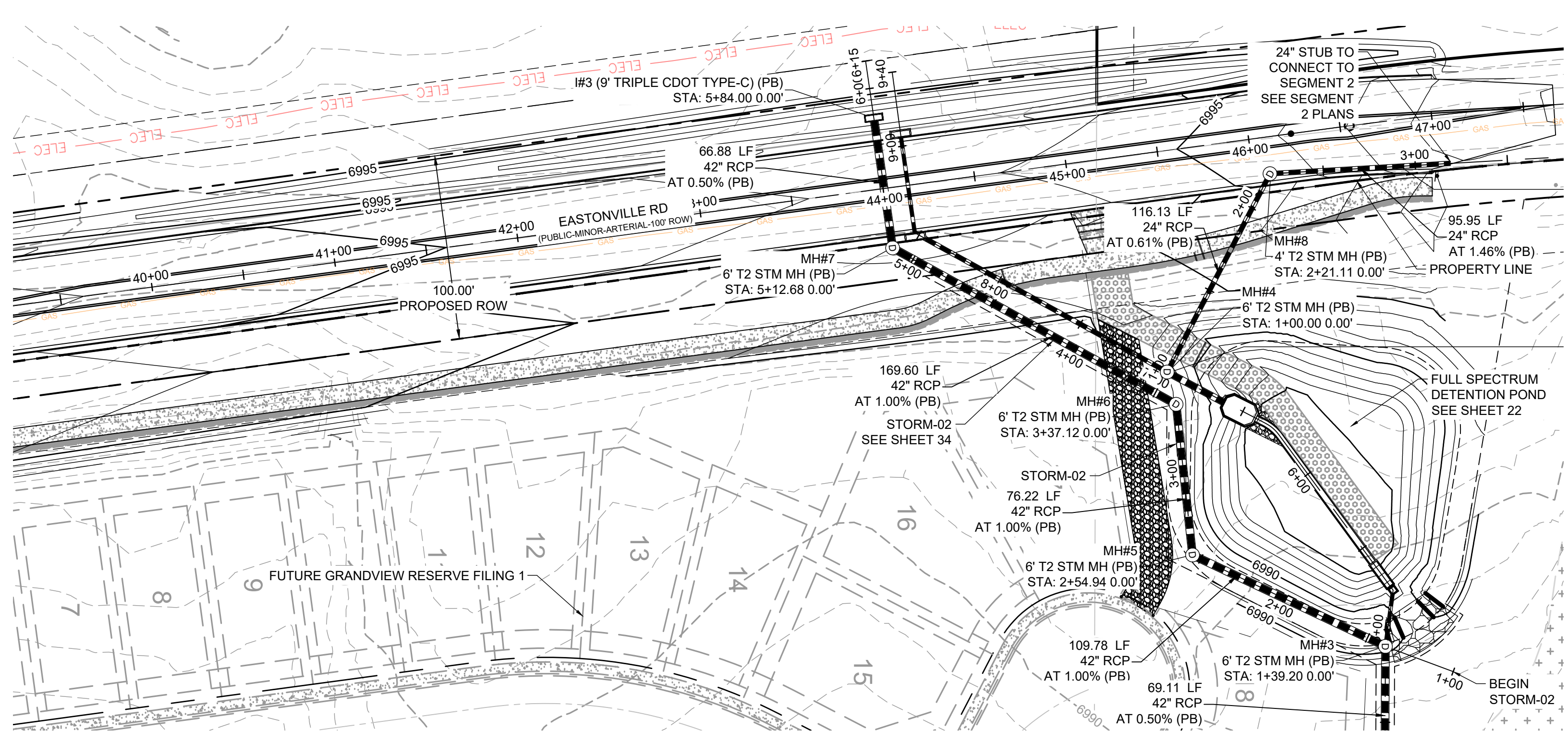
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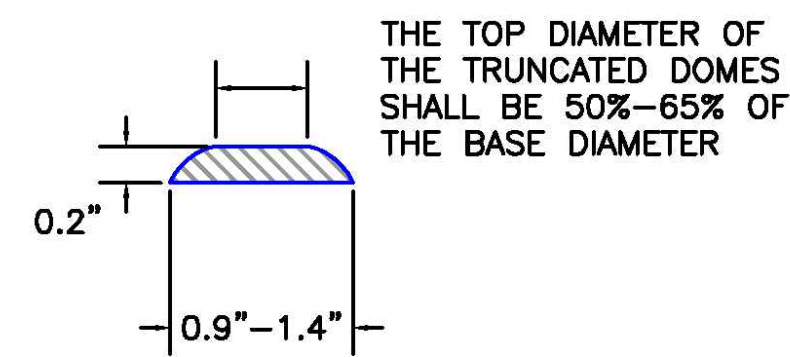
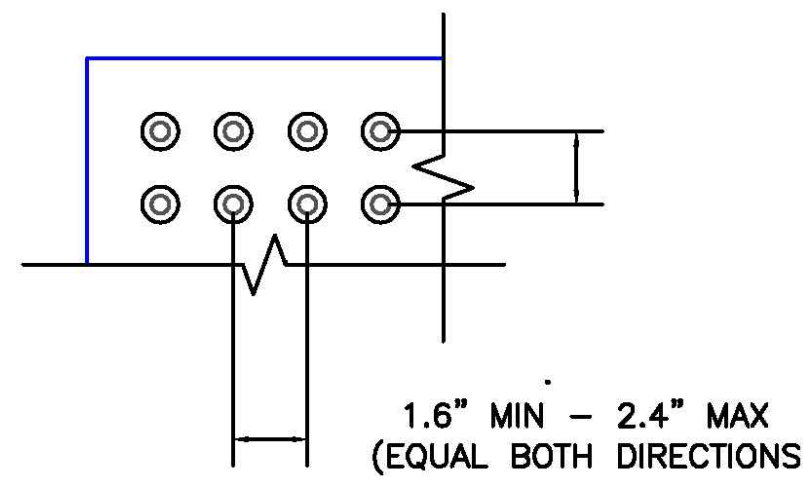
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 STORM PLAN AND PROFILE

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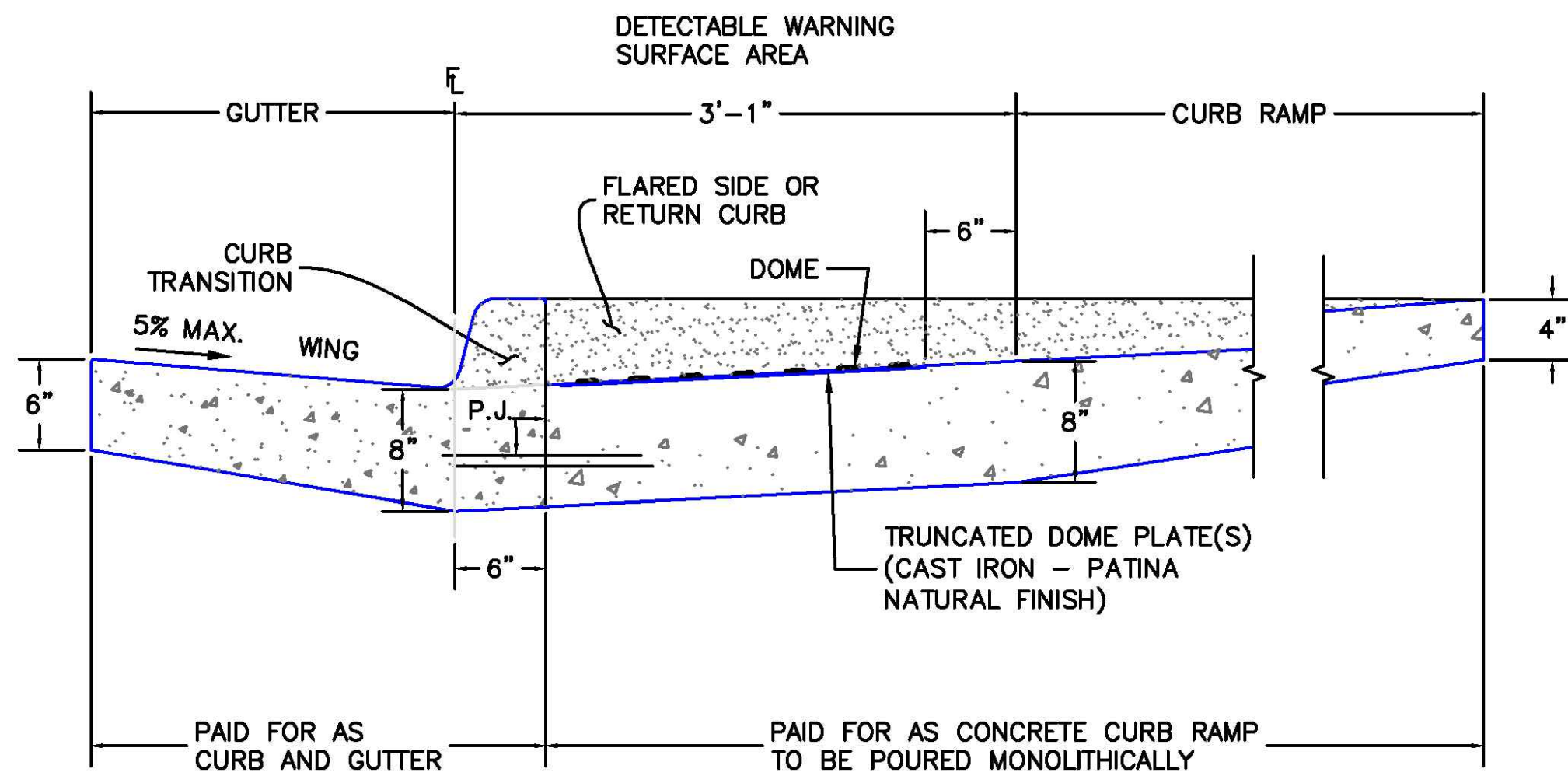
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TRUNCATED DOME DETAILS



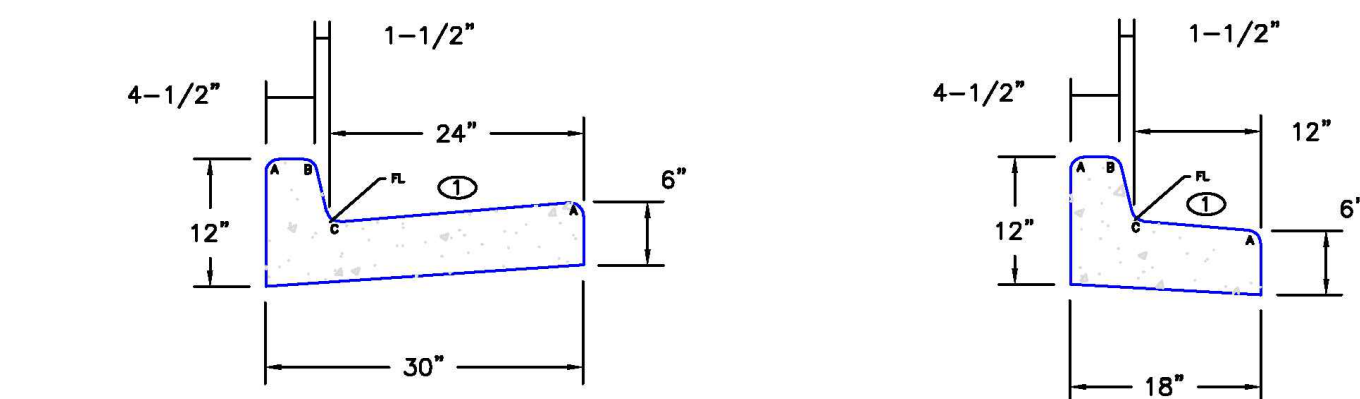
DOME SPACING

ELEVATION VIEW



P.J. = PERMISSIBLE JOINT WITH EPOXY-COATED DEFORMED NO. 4 BARS CONFORMING TO AASHTO M 284 AT 18 IN. SPACING

DETECTABLE WARNING SURFACE DETAILS (SD 2-42)
SCALE: NTS



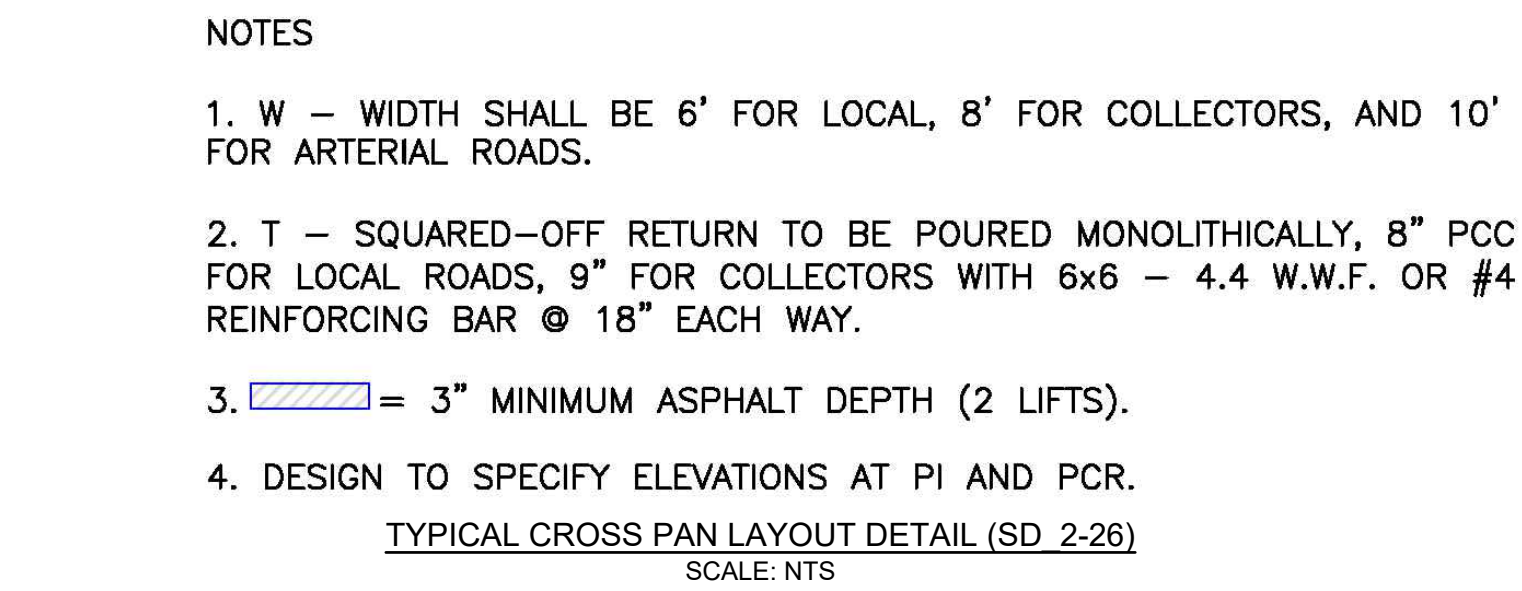
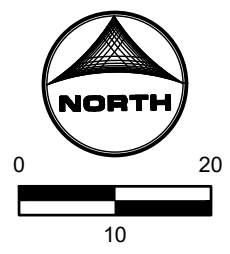
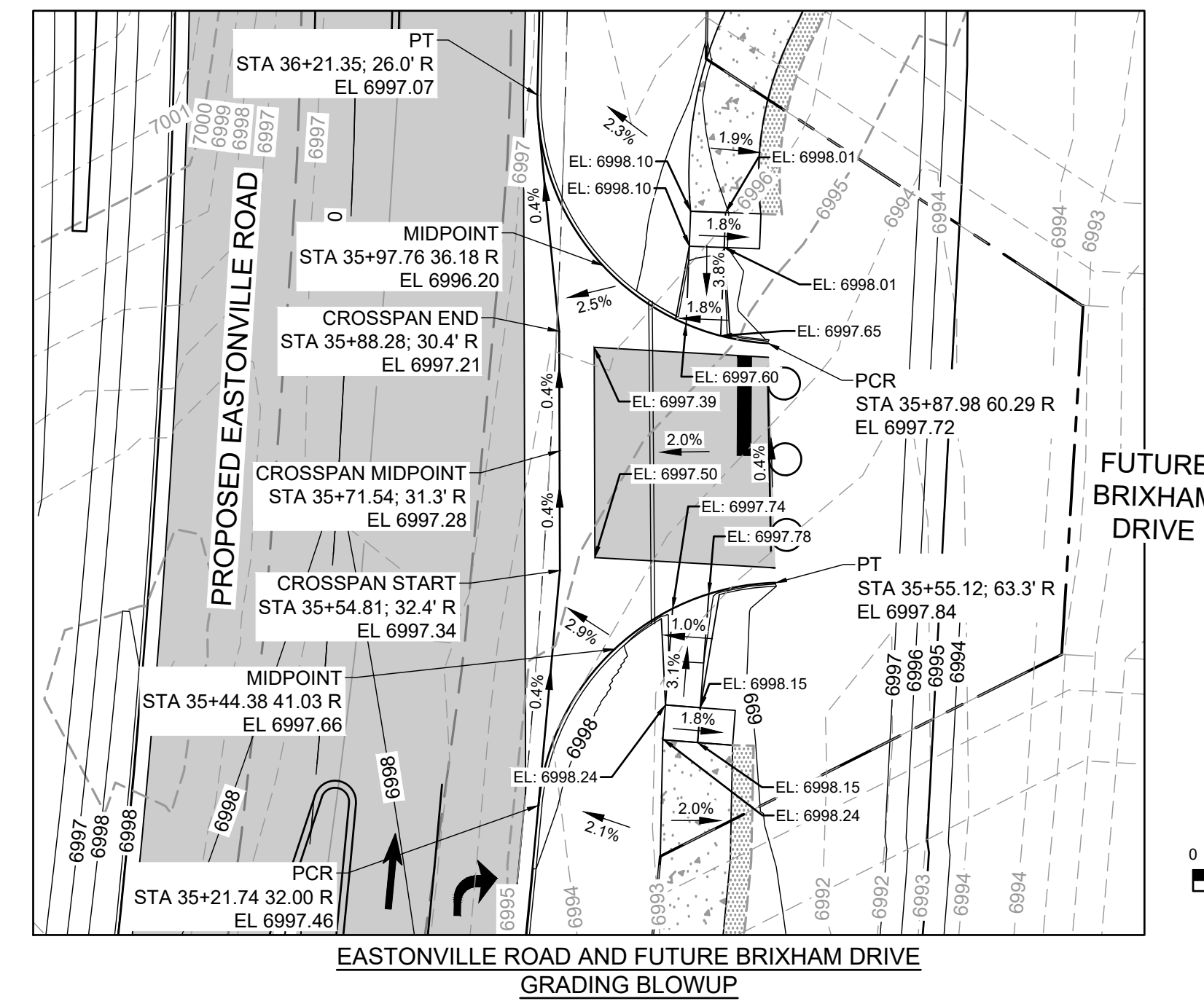
EPC TYPE A
(REVERSE SLOPE OF PAN FOR SPILL CURB)

EPC TYPE B

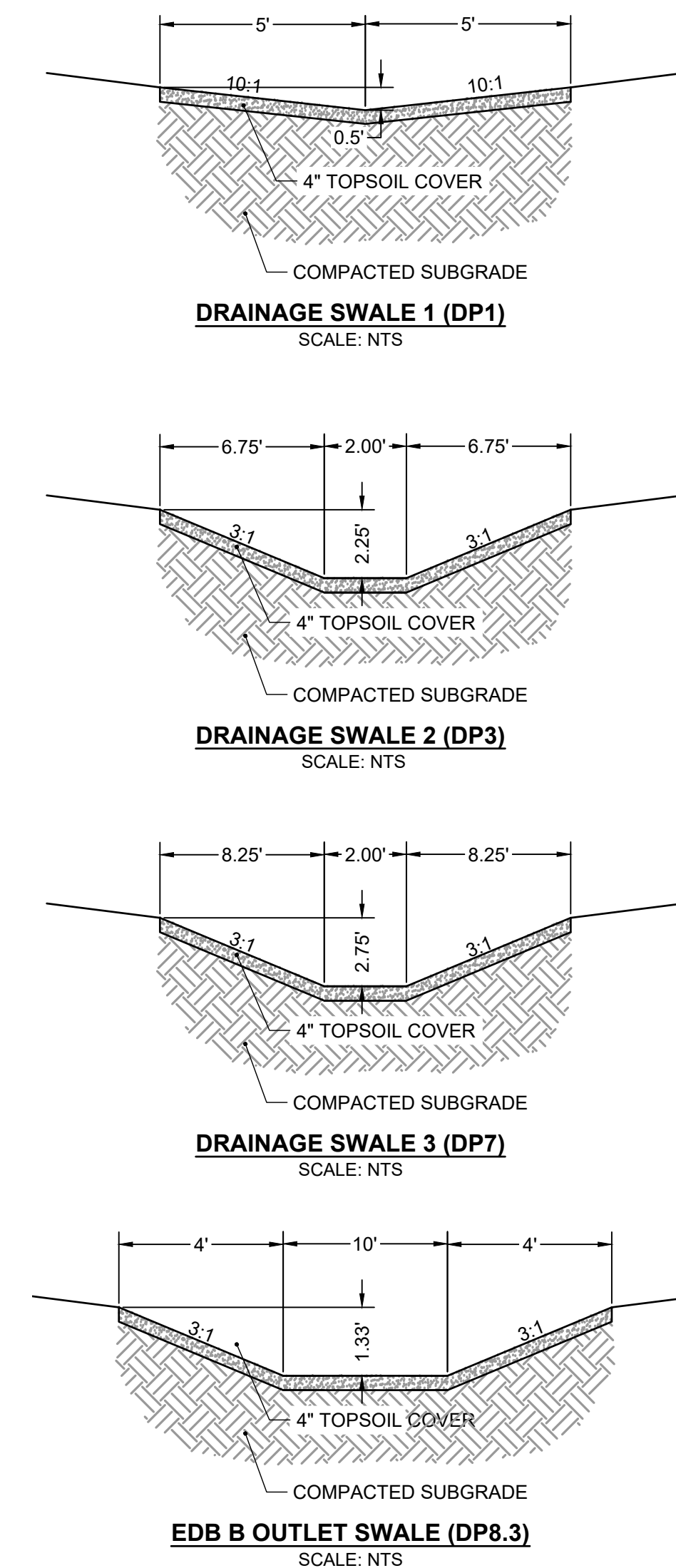
TYPICAL CURB & GUTTER DETAILS DETAIL (SD 2-20)
SCALE: NTS

LEGEND FOR RADII	
A	1/8" TO 1/4"
B	1-1/2"
C	1-1/2" TO 2"

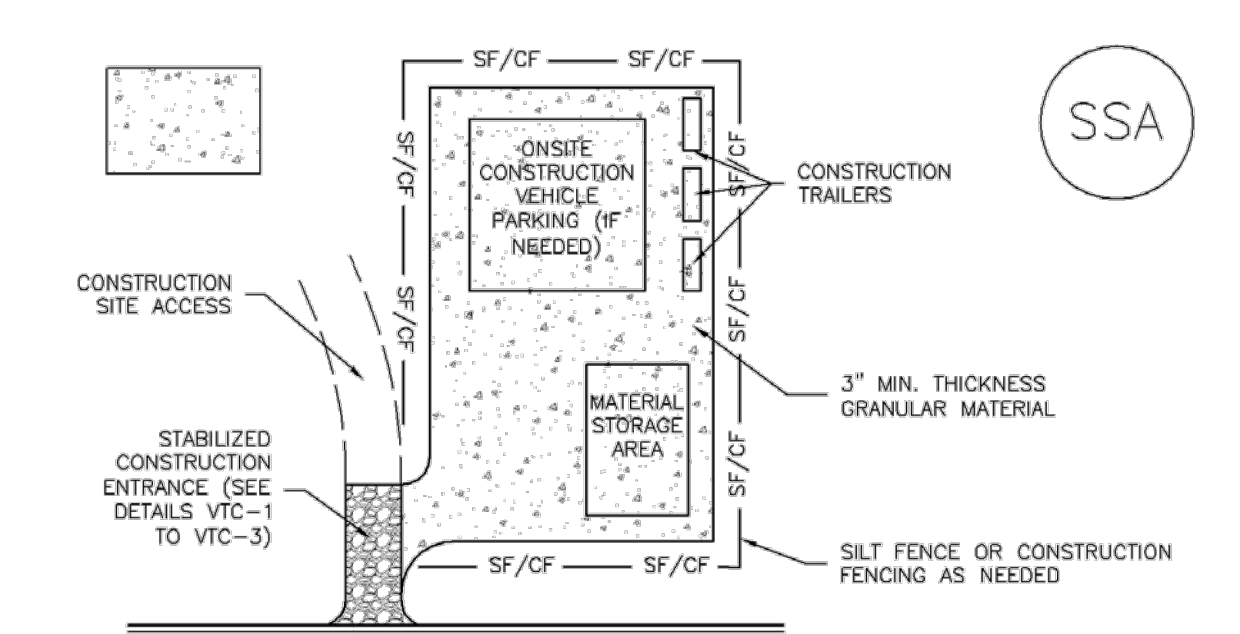
① - GUTTER CROSS SLOPES SHALL BE 1/2 IN./FT. WHEN DRAINING AWAY FROM CURB AND 1 IN./FT. WHEN DRAINING TOWARD CURB (WITH EXCEPTION TO IMMEDIATELY ADJACENT TO CURB RAMPS - SEE CURB RAMP STANDARDS FOR SLOPE REQUIREMENTS).



- NOTES
- W - WIDTH SHALL BE 6' FOR LOCAL, 8' FOR COLLECTORS, AND 10' FOR ARTERIAL ROADS.
 - T - SQUARED-OFF RETURN TO BE POURED MONOLITHICALLY, 8" PCC FOR LOCAL ROADS, 9" FOR COLLECTORS WITH 6x6 - 4.4 W.W.F. OR #4 REINFORCING BAR @ 18" EACH WAY.
 - [Symbol] = 3" MINIMUM ASPHALT DEPTH (2 LIFTS).
 - DESIGN TO SPECIFY ELEVATIONS AT PI AND PCR.
TYPICAL CROSS PAN LAYOUT DETAIL (SD 2-26)
SCALE: NTS



Stabilized Staging Area (SSA) SM-6



- STABILIZED STAGING AREA INSTALLATION NOTES
- SEE PLAN VIEW FOR LOCATION OF STAGING AREA(S). CONTRACTOR MAY ADJUST LOCATION AND SIZE OF STAGING AREA WITH APPROVAL FROM THE LOCAL JURISDICTION.
 - STABILIZED STAGING AREA SHOULD BE APPROPRIATE FOR THE NEEDS OF THE SITE. OVERSIZING RESULTS IN A LARGER AREA TO STABILIZE FOLLOWING CONSTRUCTION.
 - STAGING AREA SHALL BE STABILIZED PRIOR TO OTHER OPERATIONS ON THE SITE.
 - THE STABILIZED STAGING AREA SHALL CONSIST OF A MINIMUM 3" THICK GRANULAR MATERIAL.
 - UNLESS OTHERWISE SPECIFIED BY LOCAL JURISDICTION, ROCK SHALL CONSIST OF DOT SECT. #703, AASHTO #3 COARSE AGGREGATE OR 6" (MINUS) ROCK.
 - ADDITIONAL PERIMETER BMPs MAY BE REQUIRED INCLUDING BUT NOT LIMITED TO SILT FENCE AND CONSTRUCTION FENCING.
- STABILIZED STAGING AREA MAINTENANCE NOTES
- INSPECT BMPs EACH WORKDAY, AND MAINTAIN THEM IN EFFECTIVE OPERATING CONDITION. MAINTENANCE OF BMPs SHOULD BE PROACTIVE, NOT REACTIVE. INSPECT BMPs AS SOON AS POSSIBLE (AND ALWAYS WITHIN 24 HOURS) FOLLOWING A STORM THAT CAUSES SURFACE EROSION, AND PERFORM NECESSARY MAINTENANCE.
 - FREQUENT OBSERVATIONS AND MAINTENANCE ARE NECESSARY TO MAINTAIN BMPs IN EFFECTIVE OPERATING CONDITION. INSPECTIONS AND CORRECTIVE MEASURES SHOULD BE DOCUMENTED THOROUGHLY.
 - WHERE BMPs HAVE FAILED, REPAIR OR REPLACEMENT SHOULD BE INITIATED UPON DISCOVERY OF THE FAILURE.
 - ROCK SHALL BE REAPPLIED OR REGRADED AS NECESSARY IF RUTTING OCCURS OR UNDERLYING SUBGRADE BECOMES EXPOSED.
- November 2010 Urban Drainage and Flood Control District SSA-3
Urban Storm Drainage Criteria Manual Volume 3

SM-6 Stabilized Staging Area (SSA)

- STABILIZED STAGING AREA MAINTENANCE NOTES
- STABILIZED STAGING AREA SHALL BE ENLARGED IF NECESSARY TO CONTAIN PARKING, STORAGE, AND UNLOADING/LOADING OPERATIONS.
 - THE STABILIZED STAGING AREA SHALL BE REMOVED AT THE END OF CONSTRUCTION. THE GRANULAR MATERIAL SHALL BE REMOVED OR, IF APPROVED BY THE LOCAL JURISDICTION, USED ON SITE, AND THE AREA COVERED WITH TOPSOIL, SEED, AND MULCH OR OTHERWISE STABILIZED IN A MANNER APPROVED BY LOCAL JURISDICTION.
- NOTE: MANY MUNICIPALITIES PROHIBIT THE USE OF RECYCLED CONCRETE AS GRANULAR MATERIAL FOR STABILIZED STAGING AREAS DUE TO DIFFICULTIES WITH RE-ESTABLISHMENT OF VEGETATION IN AREAS WHERE RECYCLED CONCRETE WAS PLACED.
- NOTE: MANY JURISDICTIONS HAVE BMP DETAILS THAT VARY FROM UD/CD STANDARD DETAILS. CONSULT WITH LOCAL JURISDICTIONS AS TO WHICH DETAIL SHOULD BE USED WHEN DIFFERENCES ARE NOTED.
- (DETAILS ADAPTED FROM DOUGLAS COUNTY, COLORADO, NOT AVAILABLE IN AUTOCAD)



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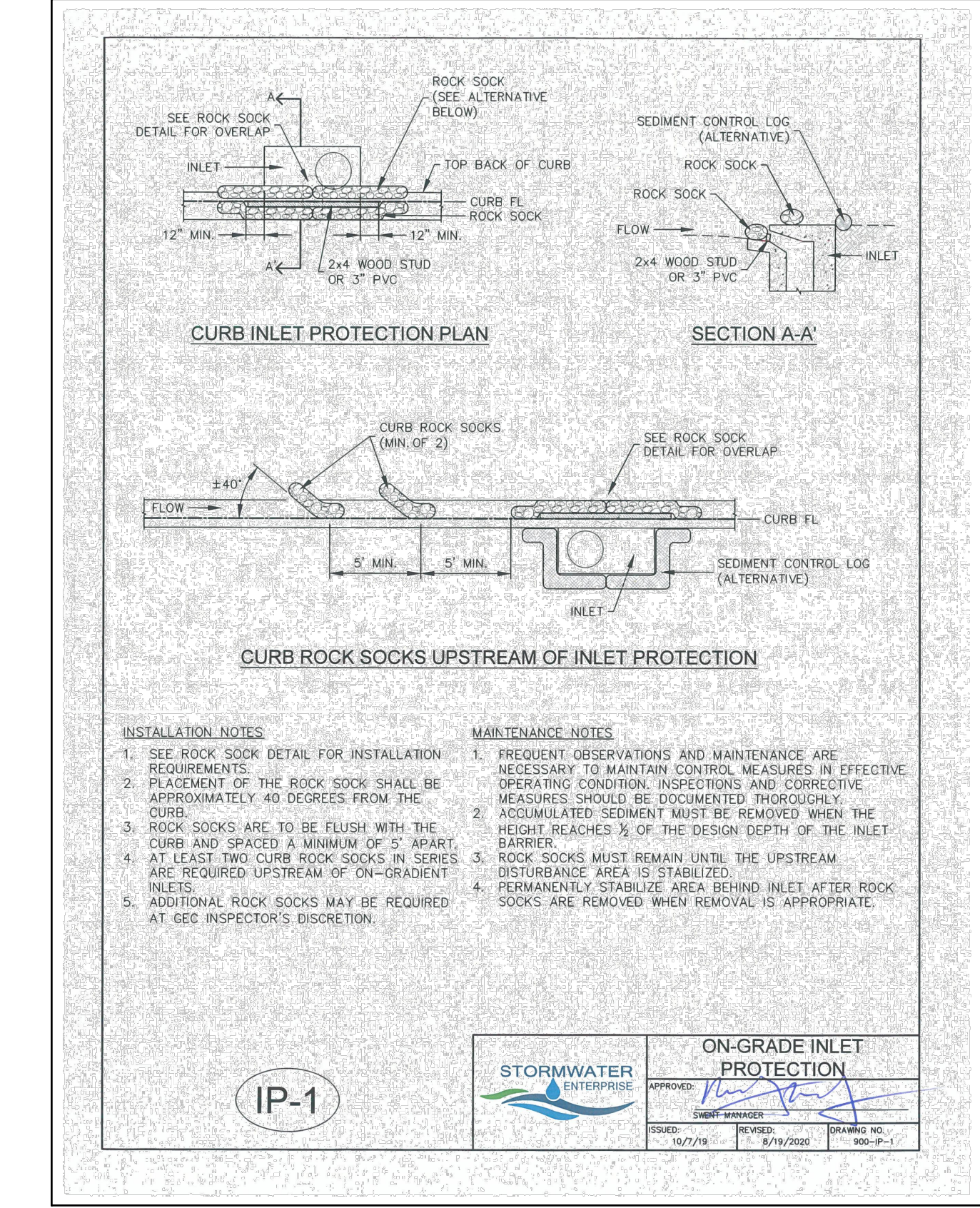
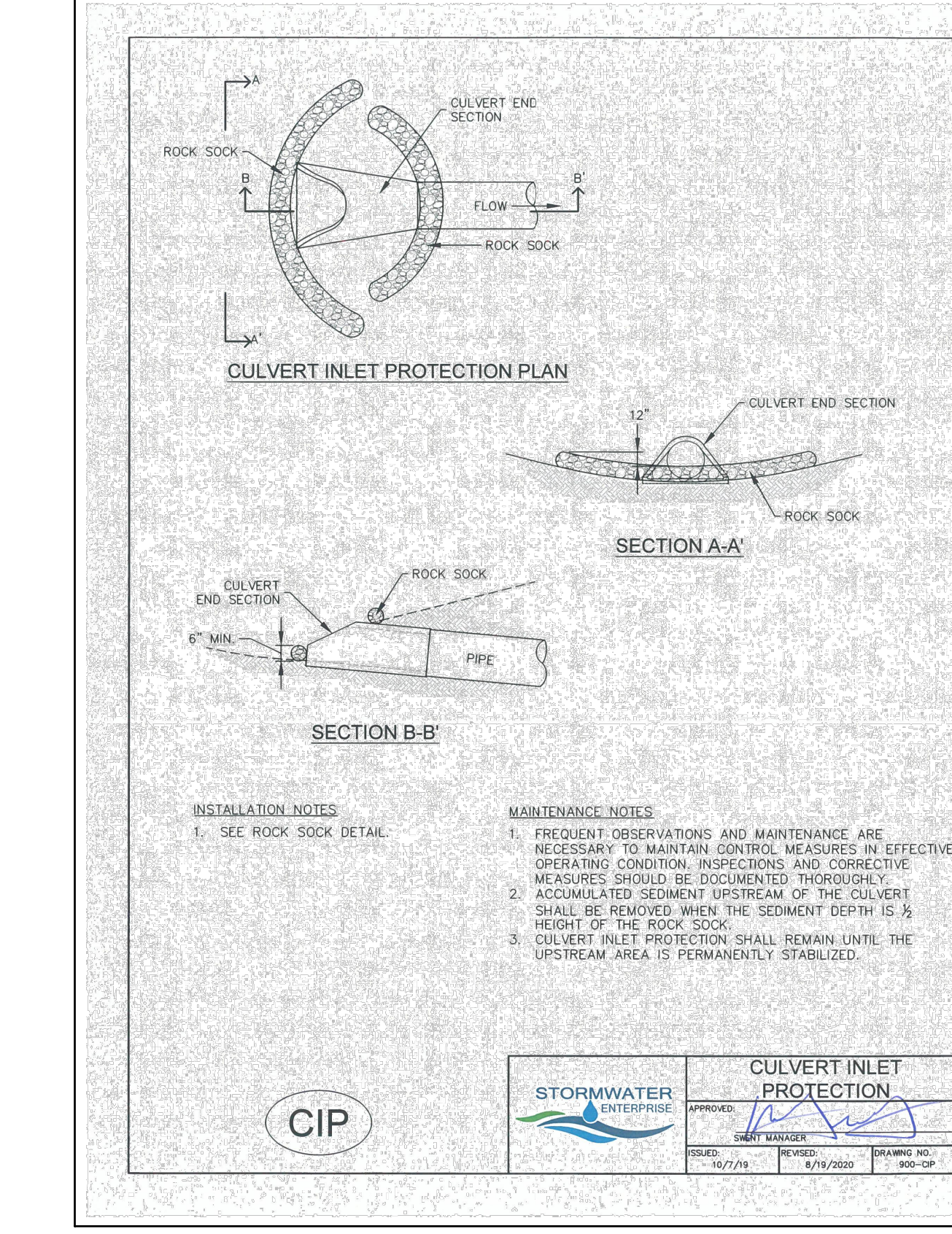
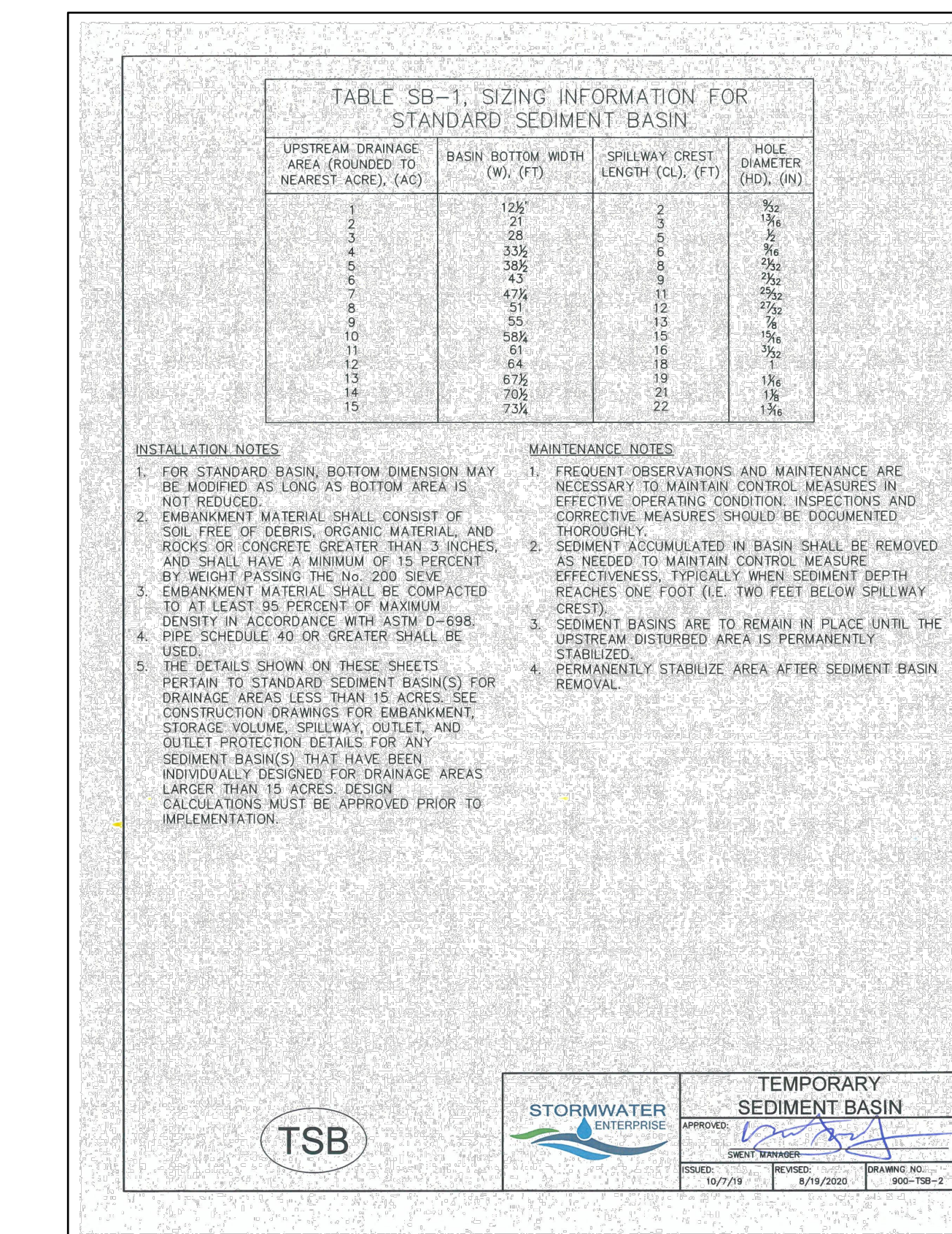
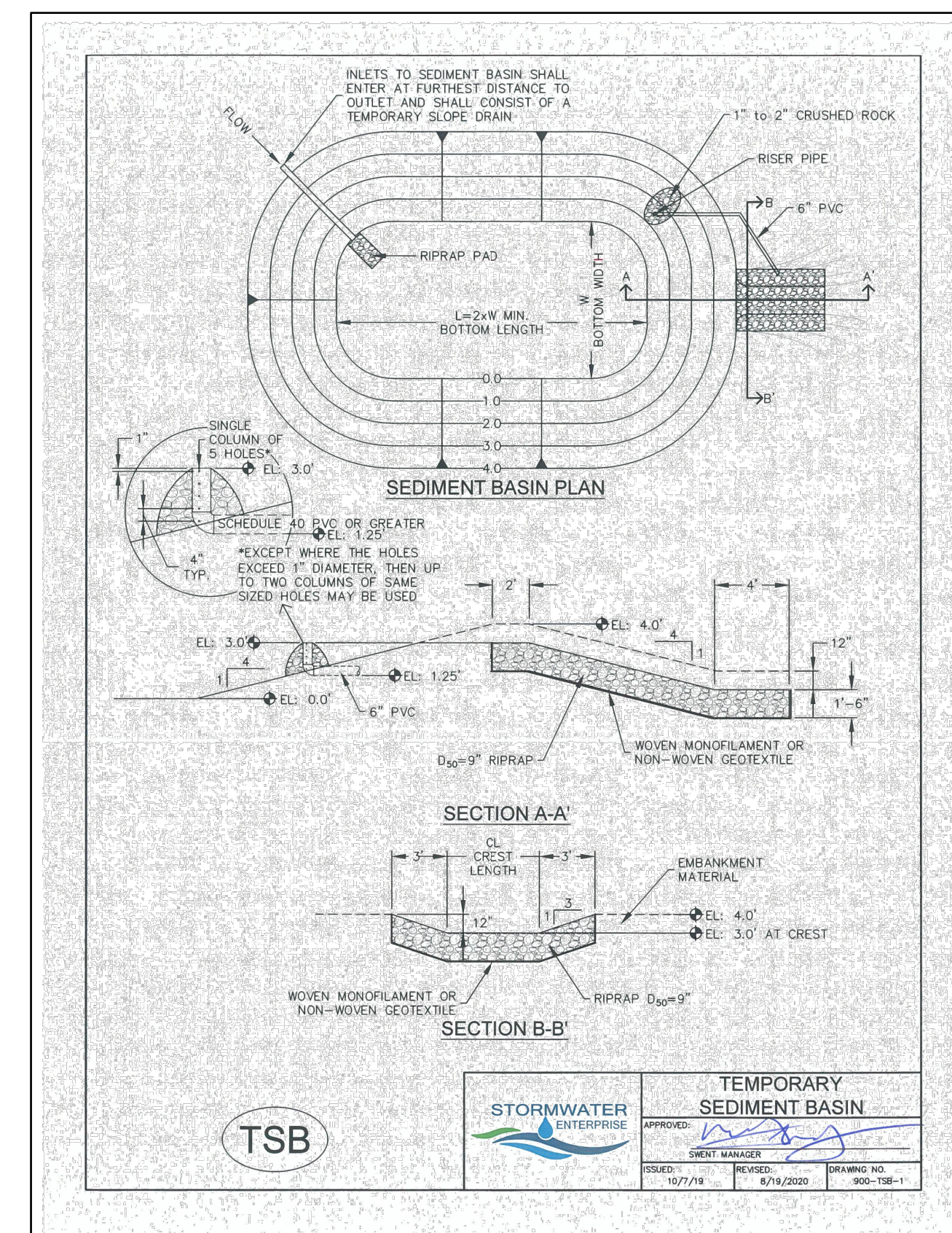
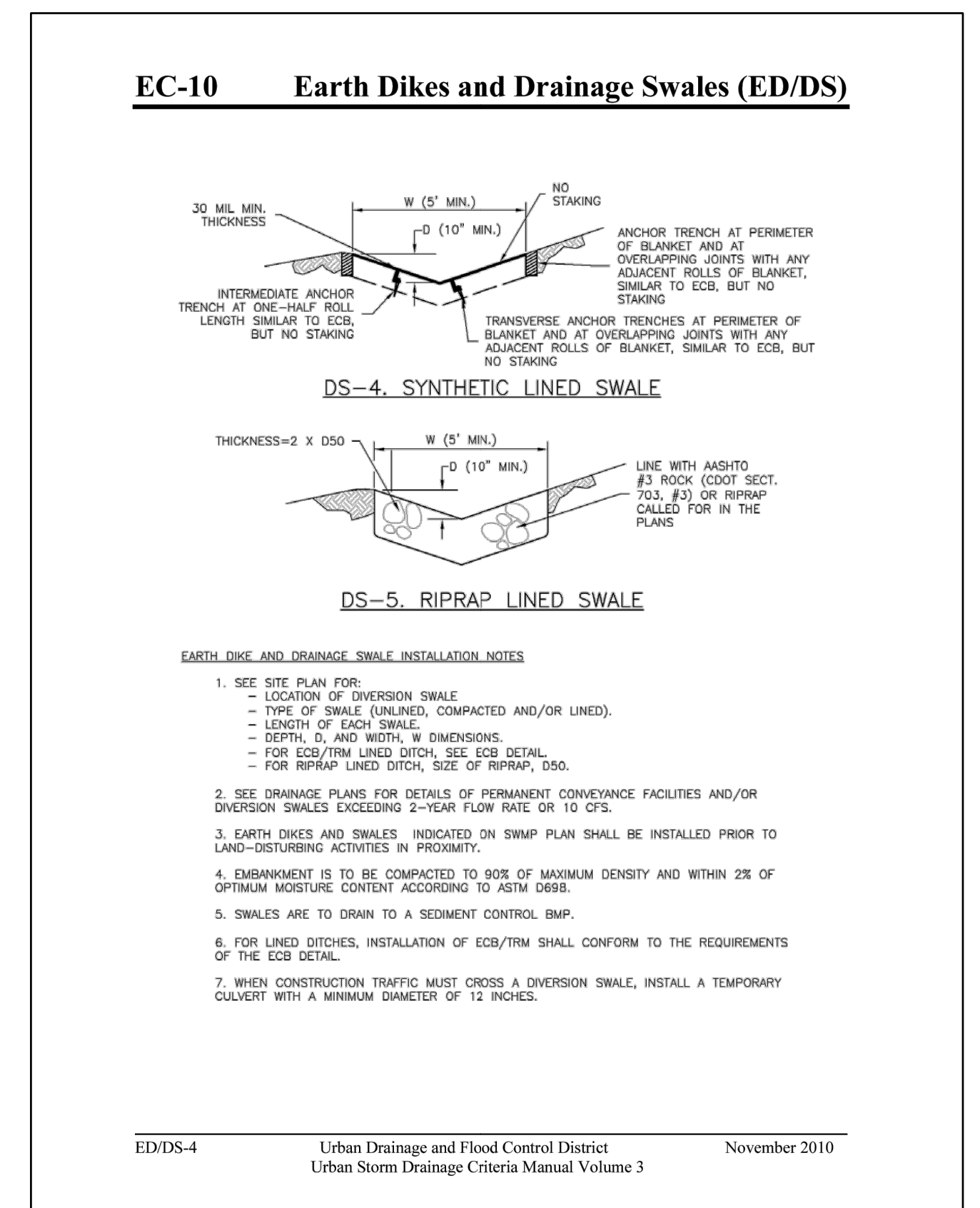
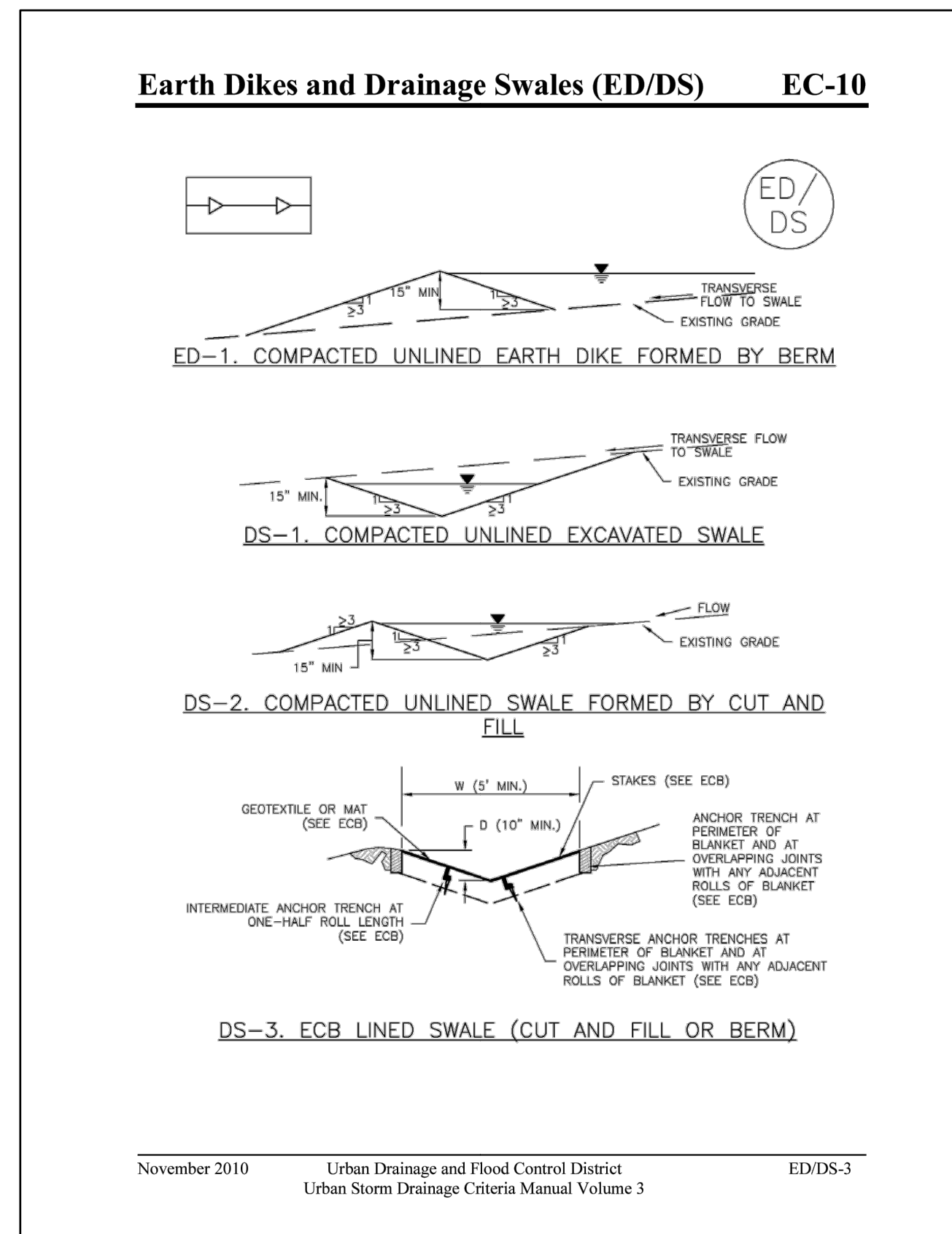
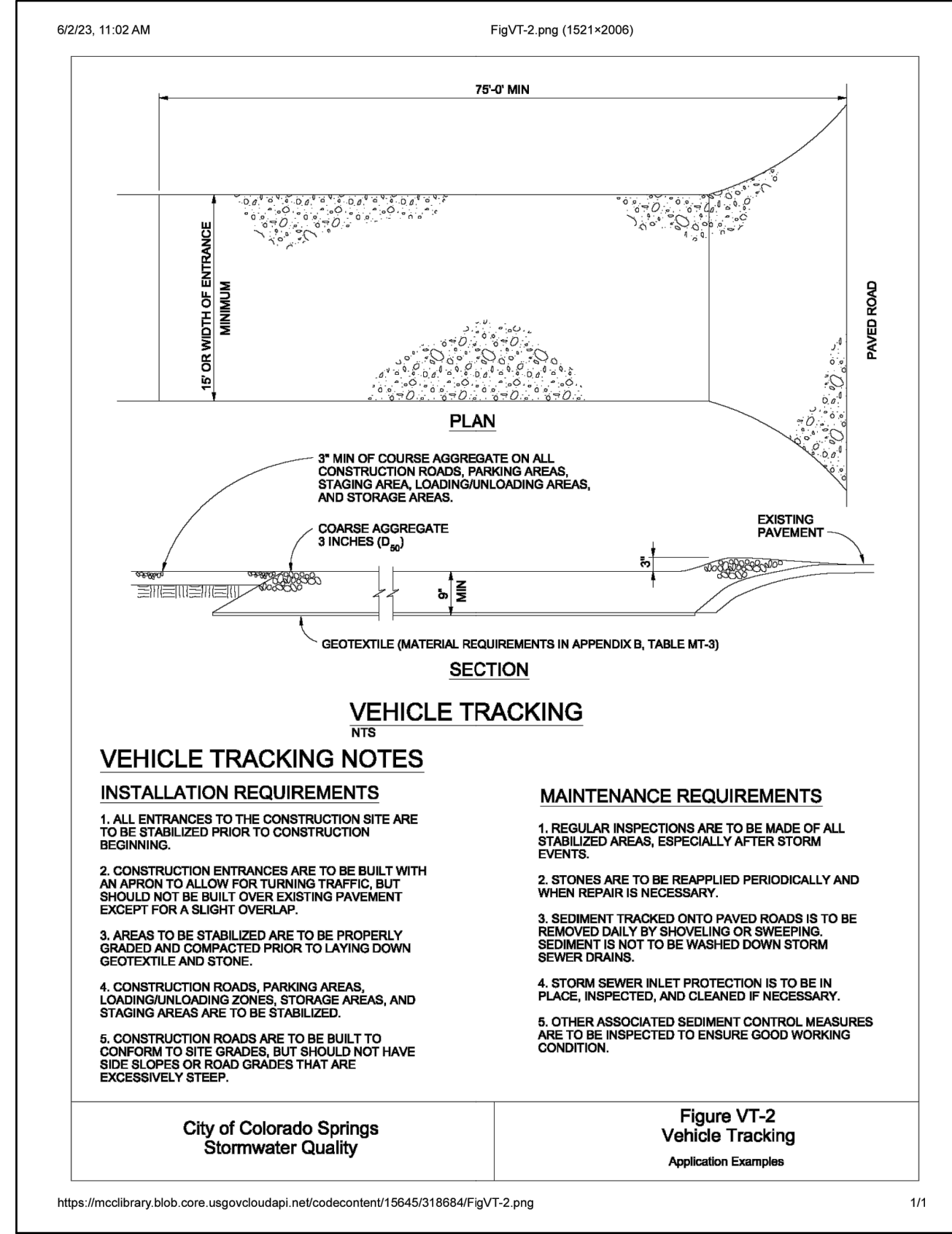
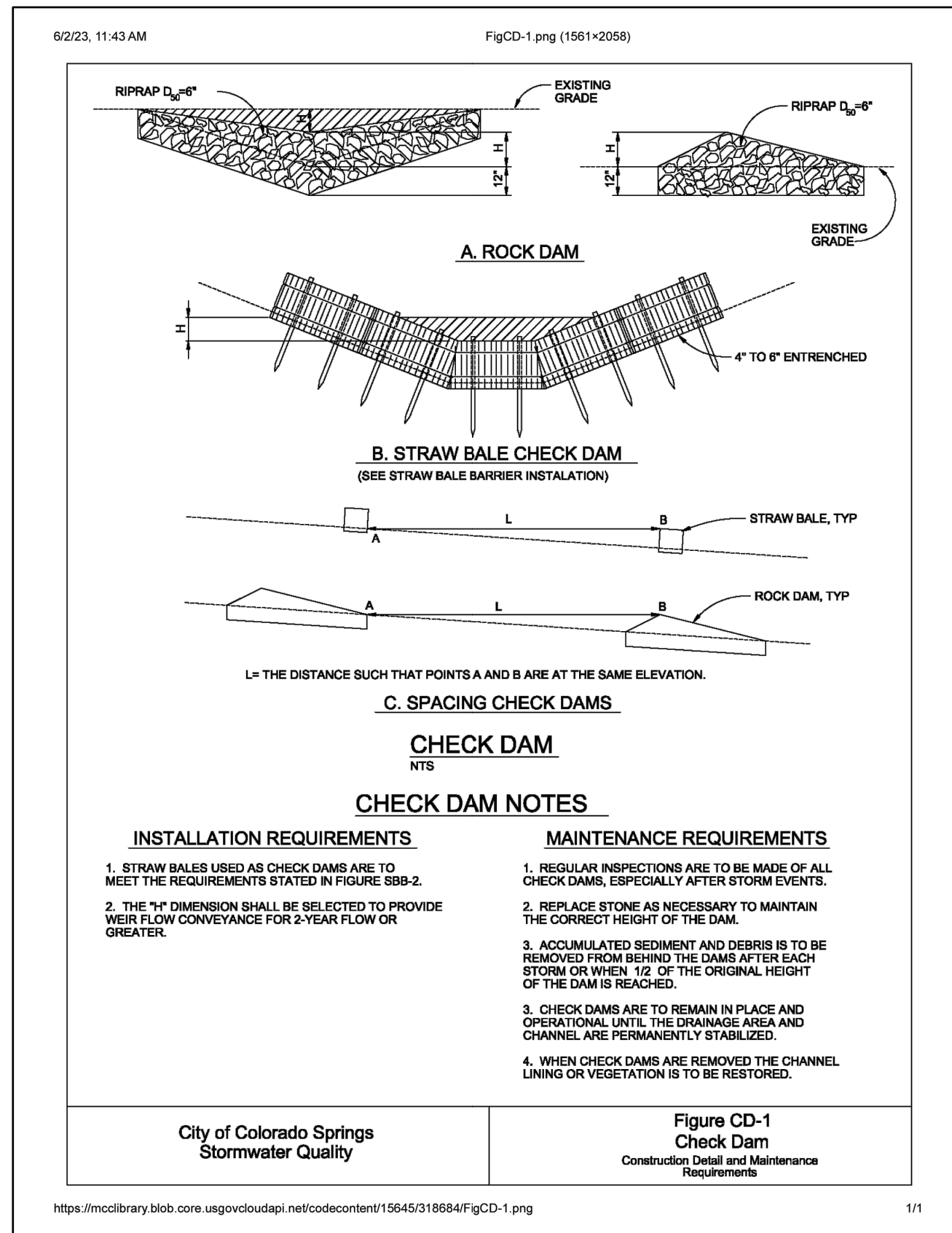
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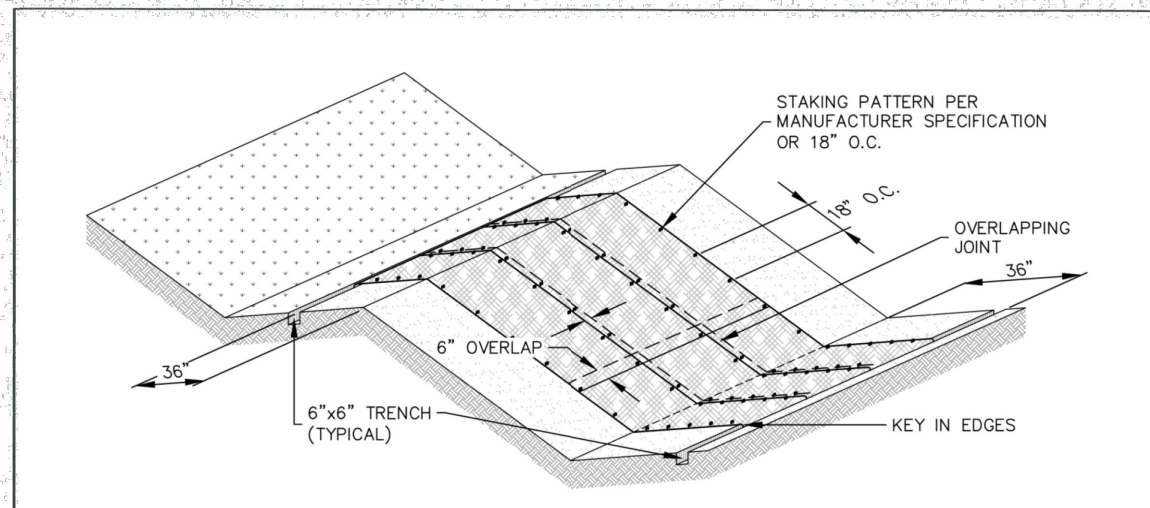
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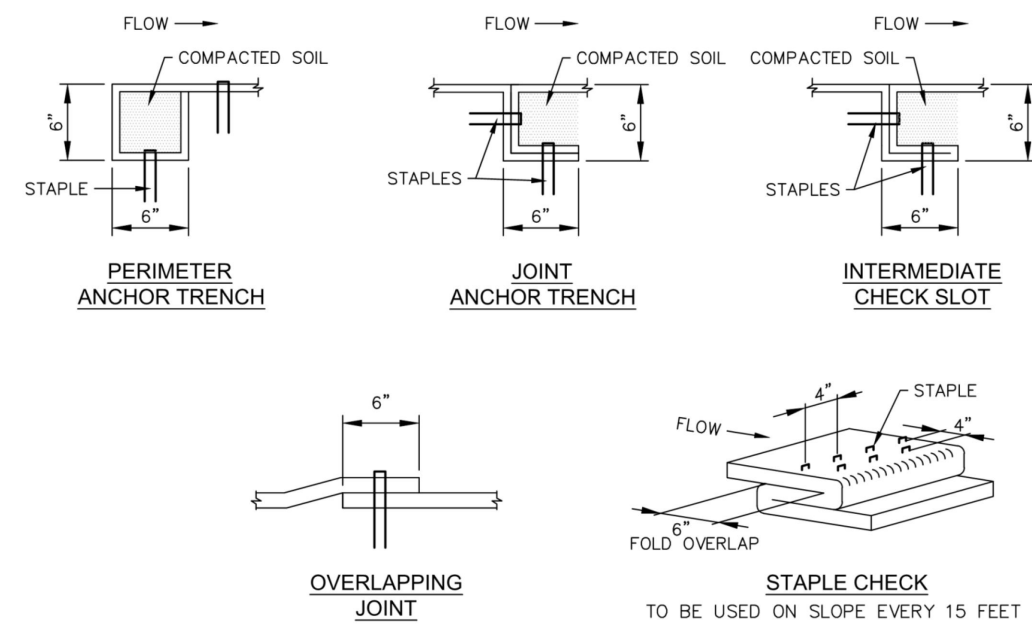
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 DETAILS

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EROSION CONTROL BLANKET



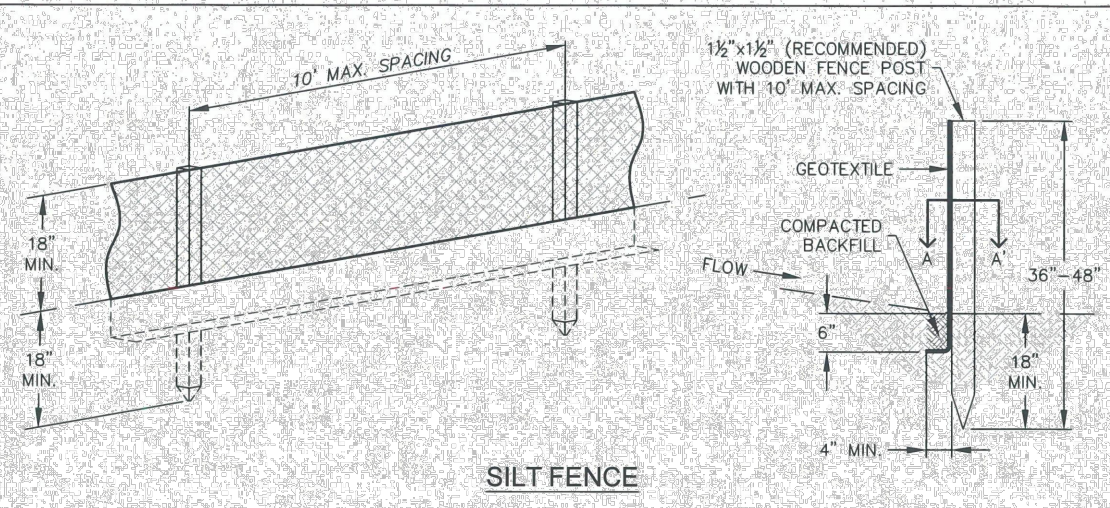
	EROSION CONTROL BLANKET	
	APPROVED: <i>[Signature]</i> SHEET MANAGER	DRAWING NO. 900-ECB-1
ISSUED: 10/7/19	REVISED: 8/19/2020	

- INSTALLATION NOTES**
1. 100% NATURAL AND BIODEGRADABLE MATERIALS ARE REQUIRED FOR EROSION CONTROL BLANKETS. TRM PRODUCTS MAY BE USED WHERE APPROPRIATE AS DESIGNATED BY THE ENGINEER.
 2. IN AREAS WHERE EROSION CONTROL BLANKETS ARE SHOWN ON THE PLANS, THE PERMITEE SHALL PLACE TOPSOIL AND PERFORM FINAL GRADING, SURFACE PREPARATION, AND SEEDING AND MULCHING. SUBGRADE SHALL BE SMOOTH AND MOST PRIOR TO EROSION CONTROL BLANKET INSTALLATION, AND THE EROSION CONTROL BLANKET SHALL BE IN FULL CONTACT WITH THE SUBGRADE. NO GAPS OR VOIDS SHALL EXIST UNDER THE BLANKET.
 3. PERIMETER ANCHOR TRENCH SHALL BE USED ALONG THE OUTSIDE PERIMETER OF ALL BLANKET AREAS.
 4. JOINT ANCHOR TRENCH SHALL BE USED TO JOIN ROLLS OF EROSION CONTROL BLANKETS TOGETHER (LONGITUDINALLY AND TRANSVERSELY) FOR ALL EROSION CONTROL BLANKETS.
 5. INTERMEDIATE CHECK SLOT OR STAPLE CHECK SHALL BE INSTALLED EVERY 15' DOWN SLOPES. IN DRAINAGEWAYS, INSTALL CHECK SLOTS EVERY 25' PERPENDICULAR TO FLOW DIRECTION.
 6. OVERLAPPING JOINT DETAIL SHALL BE USED TO JOIN ROLLS OF EROSION CONTROL BLANKETS TOGETHER FOR EROSION CONTROL BLANKETS ON SLOPES.
 7. MATERIAL SPECIFICATIONS OF EROSION CONTROL BLANKETS SHALL CONFORM TO TABLE ECB-1.
 8. ANY AREAS OF SEEDING AND MULCHING DISTURBED IN THE PROCESS OF INSTALLING EROSION CONTROL BLANKETS SHALL BE RESEEDED AND MULCHED.
 9. STRAW EROSION CONTROL BLANKETS SHALL NOT BE USED WITHIN STREAMS AND DRAINAGE CHANNELS.
 10. COMPACT ALL TRENCHES.

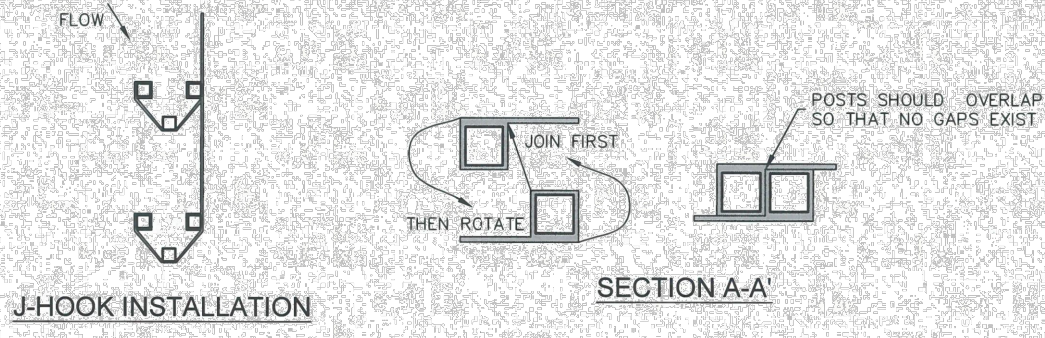
TABLE ECB-1, EROSION CONTROL BLANKET MATERIAL SPECIFICATIONS

TYPE	COCONUT CONTENT	STRAW CONTENT	EXCELISOR CONTENT	RECOMMENDED NETTING
STRAW	---	100%	---	DOUBLE / NATURAL
STRAW-COCONUT	50% MIN.	70% MAX.	---	DOUBLE / NATURAL
COCONUT	100%	---	---	DOUBLE / NATURAL
EXCELISOR	---	---	100%	DOUBLE / NATURAL

	EROSION CONTROL BLANKET	
	APPROVED: <i>[Signature]</i> SHEET MANAGER	DRAWING NO. 900-ECB-2
ISSUED: 10/7/19	REVISED: 8/19/2020	



SILT FENCE



- INSTALLATION NOTES**
1. SILT FENCE MUST BE PLACED ON A FLAT SURFACE 2"-5" AWAY FROM TOE OF THE SLOPE TO ALLOW FOR PONDING AND DEPOSITION.
 2. COMPACT THE TRENCH USING A JUMPING JACK OR WHEEL ROLLING TO THE POINT THAT THE FENCE RESISTS BEING PULLED OUT OF THE GROUND BY HAND.
 3. SILT FENCE SHALL BE TAFT WITH NO SAGS AFTER IT HAS BEEN ANCHORED.
 4. FABRIC SHALL BE ATTACHED TO POSTS WITH 1" HEAVY DUTY STAPLES OR 1" NAILS. THESE SHOULD BE PLACED VERTICALLY DOWN THE POST, 3" APART.
 5. THE PREFERRED INSTALLATION METHOD USES A TRENCHER OR SILT FENCE INSTALLATION DEVICE.
 6. INSTALL SILT FENCE ALONG THE CONTOUR OF THE SLOPES OR IN A MANNER TO AVOID CREATING CONCENTRATED FLOW (SUCH AS A "J-HOOK" INSTALLATION).
- MAINTENANCE NOTES**
1. FREQUENT OBSERVATIONS AND MAINTENANCE ARE NECESSARY TO MAINTAIN CONTROL MEASURES IN EFFECTIVE OPERATING CONDITION. INSPECTIONS AND CORRECTIVE MEASURES SHOULD BE DOCUMENTED THOROUGHLY.
 2. ACCUMULATED SEDIMENT MUST BE REMOVED WHEN THE HEIGHT REACHES 1/2 OF THE DESIGN HEIGHT OF THE SILT FENCE.
 3. SILT FENCE MUST REMAIN UNTIL THE UPSTREAM DISTURBANCE AREA IS STABILIZED.
 4. PERMANENTLY STABILIZE AREA AFTER SILT FENCE IS REMOVED.

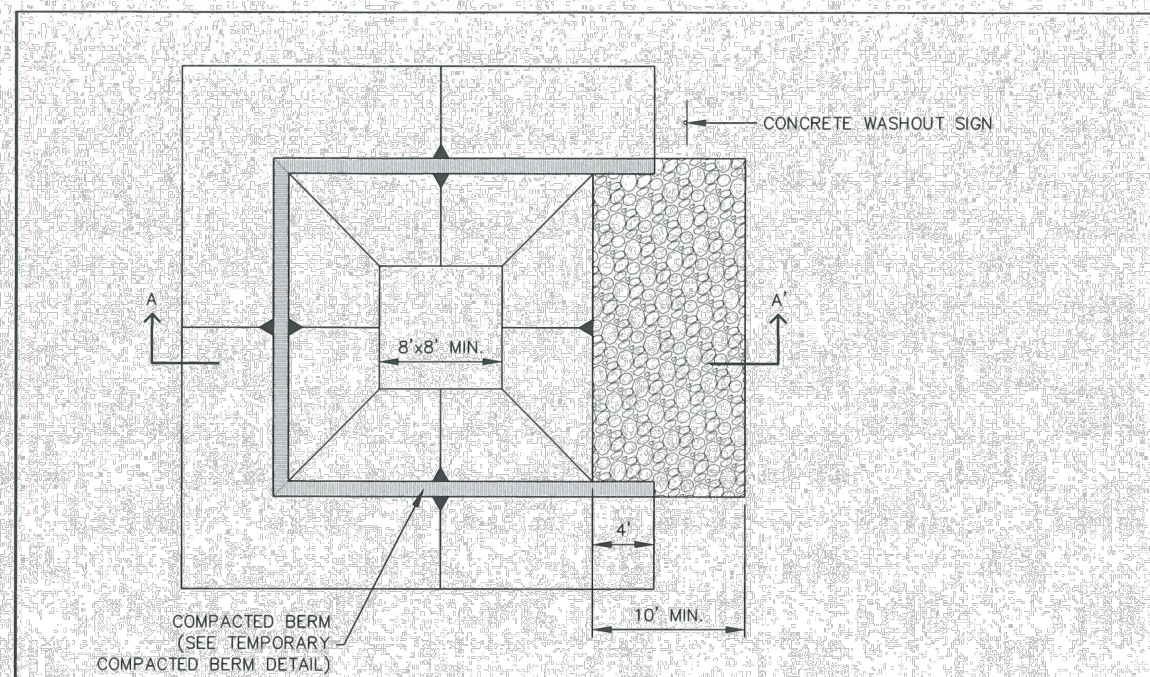
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	APPROVED: <i>[Signature]</i> SHEET MANAGER	DRAWING NO. 900-SF
ISSUED: 10/7/19	REVISED: 8/19/2020	

SEEDING & MULCHING

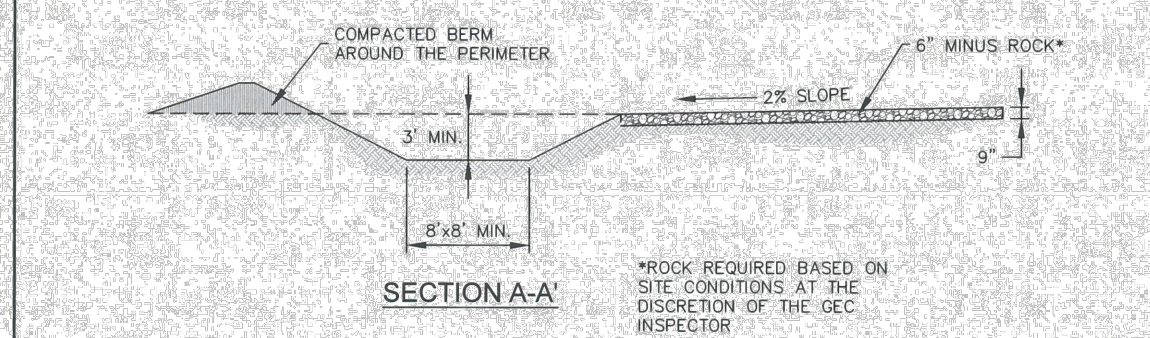
- ALL SOIL TESTING, SOILS AMENDMENT AND FERTILIZER DOCUMENTATION, AND SEED LOAD AND BAG TICKETS MUST BE ADDED TO THE CSWMP.
- SOIL PREPARATION**
1. IN AREAS TO BE SEEDDED, THE UPPER 6 INCHES OF THE SOIL MUST NOT BE HEAVILY COMPACTED, AND SHOULD BE IN FRABLE CONDITION. LESS THAN 85% STANDARD PROCTOR DENSITY IS ACCEPTABLE. AREAS OF COMPACTION OR GENERAL CONSTRUCTION ACTIVITY MUST BE SCRUBBED TO A DEPTH OF 6 TO 12 INCHES PRIOR TO SPREADING TOPSOIL TO BREAK UP COMPACTED LAYERS AND PROVIDE A BLENDING ZONE BETWEEN DIFFERENT SOIL LAYERS.
 2. AREAS TO BE PLANTED SHALL HAVE AT LEAST 4 INCHES OF TOPSOIL SUITABLE TO SUPPORT PLANT GROWTH.
 3. THE CITY RECOMMENDS THAT EXISTING AND/OR IMPORTED TOPSOIL BE TESTED TO IDENTIFY SOIL DEFICIENCIES AND ANY SOIL AMENDMENTS NECESSARY TO ADDRESS THESE DEFICIENCIES. SOIL AMENDMENTS AND/OR FERTILIZERS SHOULD BE ADDED TO CORRECT TOPSOIL DEFICIENCIES BASED ON SOIL TESTING RESULTS.
 4. TOPSOIL SHALL BE PROTECTED DURING THE CONSTRUCTION PERIOD TO RETAIN ITS STRUCTURE. AVOID COMPACTION, AND TO PREVENT EROSION AND CONTAMINATION, STRIPPED TOPSOIL MUST BE STORED IN AN AREA AWAY FROM MACHINERY AND CONSTRUCTION OPERATIONS, AND CARE MUST BE TAKEN TO PROTECT THE TOPSOIL AS A VALUABLE COMMODITY. TOPSOIL MUST NOT BE STRIPPED DURING UNDESIRABLE WORKING CONDITIONS (E.G. DURING WET WEATHER OR WHEN SOILS ARE SATURATED). TOPSOIL SHALL NOT BE STORED IN SWALES OR IN AREAS WITH POOR DRAINAGE.

- SEEDING**
1. ALLOWABLE SEED MIXES ARE INCLUDED IN THE CITY OF COLORADO SPRINGS STORMWATER CONSTRUCTION MANUAL. ALTERNATIVE SEED MIXES ARE ACCEPTABLE IF INCLUDED IN AN APPROVED LANDSCAPING PLAN.
 2. SEED SHOULD BE DRILL-SEEDED WHENEVER POSSIBLE.
 3. SEED DEPTH MUST BE 1/2 TO 3/4 INCHES WHEN DRILL-SEEDING IS USED.
 4. BROADCAST SEEDING OR HYDRO-SEEDING WITH TACKIFIER MAY BE SUBSTITUTED ON SLOPES STEEPER THAN 3:1 OR ON OTHER AREAS NOT PRACTICAL TO DRILL SEED.
 5. SEEDING RATES MUST BE DOUBLED FOR BROADCAST SEEDING OR INCREASED BY 50% IF USING A BRILLIANT DRILL OR HYDRO-SEEDING.
 6. BROADCAST SEEDING MUST BE LIGHTLY HAND-RAKED INTO THE SOIL.
- MULCHING**
1. MULCHING SHOULD BE COMPLETED AS SOON AS PRACTICABLE AFTER SEEDING, HOWEVER PLANTED AREAS MUST BE MULCHED NO LATER THAN 14 DAYS AFTER PLANTING.
 2. MULCHING REQUIREMENTS INCLUDE:
 - HAY OR STRAW MULCH
 - ONLY CERTIFIED WEED-FREE AND CERTIFIED SEED-FREE MULCH MAY BE USED. MULCH MUST BE APPLIED AT 2 TONS/ACRE AND ADEQUATELY SECURED BY CRIMPING AND/OR TACKIFIER.
 - CRIMPING MUST NOT BE USED ON SLOPES GREATER THAN 3:1 AND MULCH FIBERS MUST BE TUCKED INTO THE SOIL TO A DEPTH OF 3 TO 4 INCHES.
 - TACKIFIER MUST BE USED IN PLACE OF CRIMPING ON SLOPES STEEPER THAN 3:1.
 - HYDRAULIC MULCHING
 - HYDRAULIC MULCHING IS AN OPTION ON STEEP SLOPES OR WHERE ACCESS IS LIMITED.
 - IF HYDRO-SEEDING IS USED, MULCHING MUST BE APPLIED AS A SEPARATE SECOND OPERATION.
 - WOOD CELLULOSE FIBERS MIXED WITH WATER MUST BE APPLIED AT A RATE OF 2,000 TO 2,500 GALLONS/ACRE, AND TACKIFIER MUST BE APPLIED AT A RATE OF 100 POUNDS/ACRE.

	SEEDING & MULCHING	
	APPROVED: <i>[Signature]</i> SHEET MANAGER	DRAWING NO. 900-SM
ISSUED: 10/7/19	REVISED: 8/19/2020	



CONCRETE WASHOUT AREA PLAN



SECTION A-A

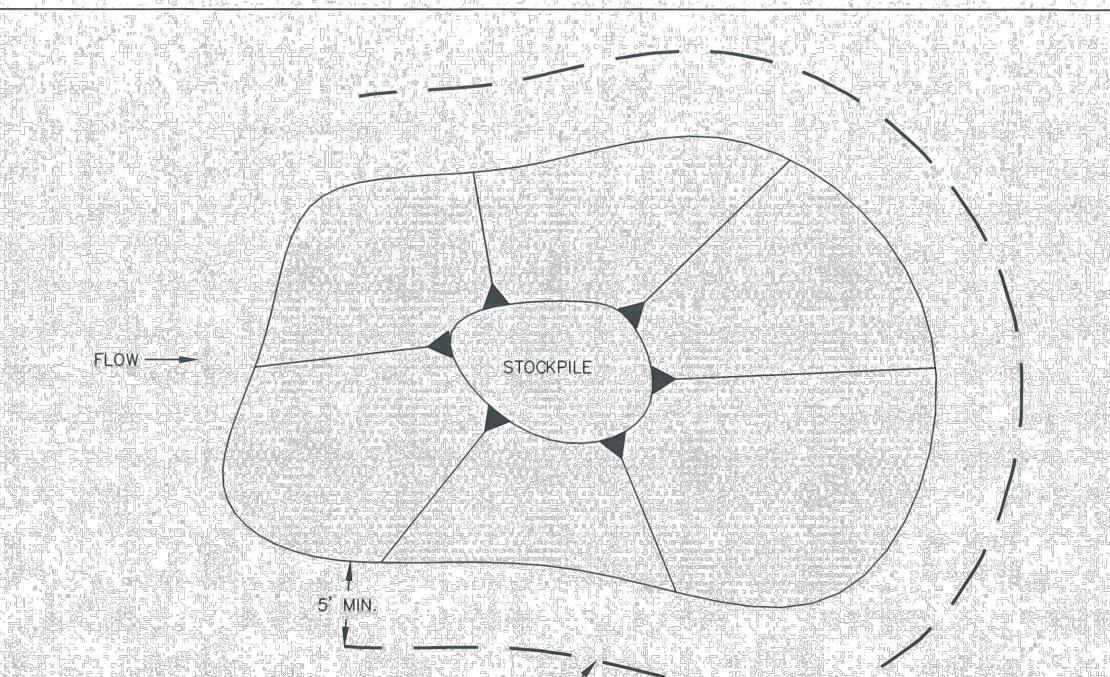
	CONCRETE WASHOUT AREA	
	APPROVED: <i>[Signature]</i> SHEET MANAGER	DRAWING NO. 900-CWA-1
ISSUED: 10/7/19	REVISED: 8/19/2020	

- INSTALLATION NOTES**
1. SEE PLAN VIEW FOR:
 - LOCATION OF CONCRETE WASHOUT AREA
 - LOCATE AT LEAST 50' AWAY FROM STATE WATERS MEASURED HORIZONTALLY.
 - AN IMPERMEABLE LINER (6 MIL. MINIMUM THICKNESS) IS REQUIRED IF CONCRETE WASH AREA IS LOCATED WITHIN 400' OF STATE WATERS OR 1000' OF WELLS OR DRINKING WATER SOURCES.
 - DO NOT LOCATE IN AREAS WHERE SHALLOW GROUNDWATER MAY BE PRESENT.
 2. THE CONCRETE WASH AREA SHALL BE INSTALLED PRIOR TO CONCRETE PLACEMENT ON SITE.
 3. CONCRETE WASHOUT WATER, WASTED PIECES OF CONCRETE AND ALL OTHER DEBRIS IN THE SUBSURFACE PIT SHALL BE TRANSPORTED FROM THE JOB SITE IN A WATER-TIGHT CONTAINER AND DISPOSED OF PROPERLY.
 4. THE CONCRETE WASH AREA SHALL REMAIN IN PLACE UNTIL ALL CONCRETE FOR THE PROJECT IS PLACED.
 5. PERMANENTLY STABILIZE AREA AFTER CONCRETE WASH AREA IS REMOVED.

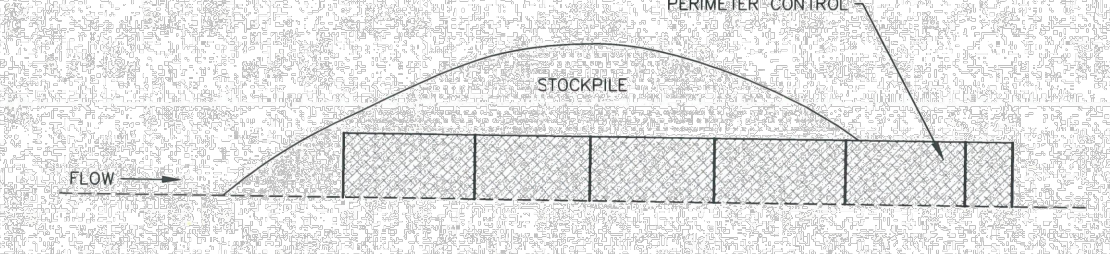
MAINTENANCE NOTES

1. FREQUENT OBSERVATIONS AND MAINTENANCE ARE NECESSARY TO MAINTAIN CONTROL MEASURES IN EFFECTIVE OPERATING CONDITION. INSPECTIONS AND CORRECTIVE MEASURES SHOULD BE DOCUMENTED THOROUGHLY.
2. THE CONCRETE WASH AREA SHALL BE REPAIRED, CLEANED, OR ENLARGED AS NECESSARY TO MAINTAIN CAPACITY FOR CONCRETE WASTE. CONCRETE MATERIALS ACCUMULATED IN THE PIT SHALL BE REMOVED ONCE THE MATERIALS HAVE REACHED A DEPTH OF 1/2 OF THE HEIGHT OF THE CONCRETE WASH AREA.
3. CONCRETE WASHOUT WATER, WASTED PIECES OF CONCRETE AND ALL OTHER DEBRIS IN THE SUBSURFACE PIT SHALL BE TRANSPORTED FROM THE JOB SITE IN A WATER-TIGHT CONTAINER AND DISPOSED OF PROPERLY.
4. THE CONCRETE WASH AREA SHALL REMAIN IN PLACE UNTIL ALL CONCRETE FOR THE PROJECT IS PLACED.
5. PERMANENTLY STABILIZE AREA AFTER CONCRETE WASH AREA IS REMOVED.

	CONCRETE WASHOUT AREA	
	APPROVED: <i>[Signature]</i> SHEET MANAGER	DRAWING NO. 900-CWA-2
ISSUED: 10/7/19	REVISED: 8/19/2020	



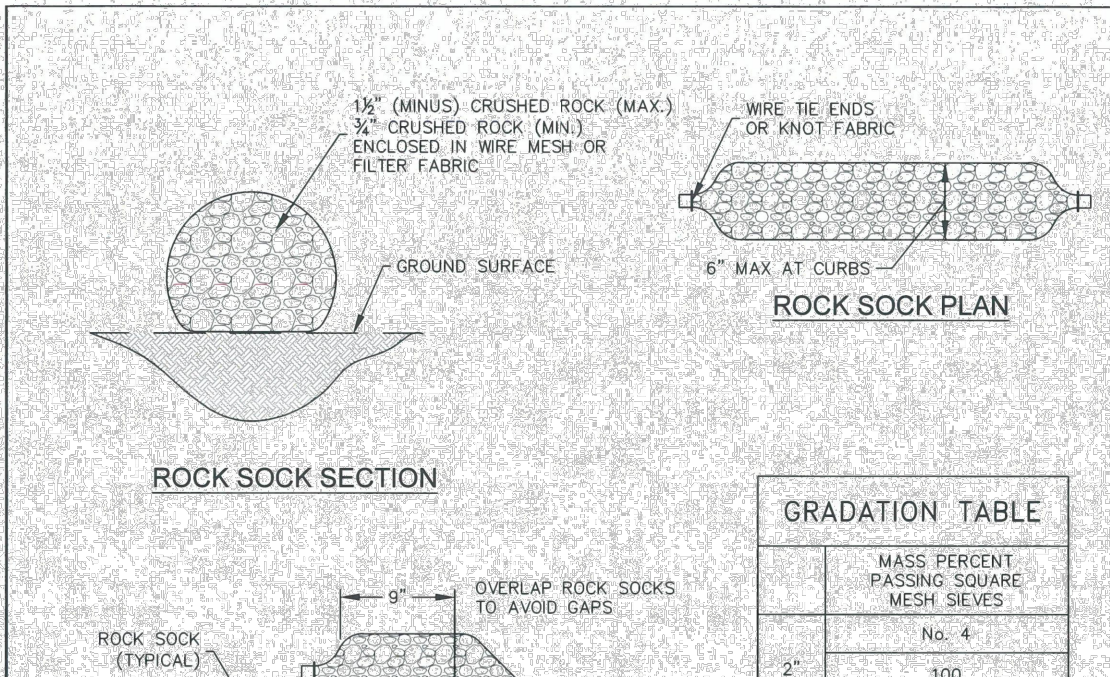
STOCKPILE PROTECTION PLAN



STOCKPILE PROTECTION ELEVATION

- INSTALLATION NOTES**
1. INSTALL PERIMETER CONTROL AROUND STOCKPILE ON DOWNGRADIENT SIDE. PERIMETER CONTROL MUST BE SUITABLE TO SITE CONDITIONS AND INSTALLED ACCORDING TO THE RELEVANT DETAIL.
 2. FOR STOCKPILES ON THE INTERIOR PORTION OF A CONSTRUCTION SITE, WHERE OTHER DOWNGRADIENT CONTROLS INCLUDING PERIMETER CONTROL ARE IN PLACE, STOCKPILE PERIMETER CONTROLS MAY NOT BE REQUIRED.
- MAINTENANCE NOTES**
1. FREQUENT OBSERVATIONS AND MAINTENANCE ARE NECESSARY TO MAINTAIN CONTROL MEASURES IN EFFECTIVE OPERATING CONDITION. INSPECTIONS AND CORRECTIVE MEASURES SHOULD BE DOCUMENTED THOROUGHLY.
 2. IF PERIMETER CONTROLS MUST BE MOVED TO ACCESS STOCKPILE, REPLACE PERIMETER CONTROLS BY THE END OF THE WORK DAY.
 3. ACCUMULATED SEDIMENT MUST BE REMOVED ACCORDING TO PERIMETER CONTROL DETAIL.

	STOCKPILE PROTECTION	
	APPROVED: <i>[Signature]</i> SHEET MANAGER	DRAWING NO. 900-SP
ISSUED: 10/7/19	REVISED: 8/19/2020	



ROCK SOCK SECTION

ROCK SOCK OVERLAP

GRADATION TABLE	
MASS PERCENT PASSING SQUARE MESH SIEVES	
No. 4	100
2"	100
1 1/2"	20-100
3/4"	20-55
3/8"	0-15
3/16"	0-5

MATCHES SPECIFICATIONS FOR NO. 4 COARSE AGGREGATE FOR CONCRETE PER WASHOUT M-4.3. ALL ROCK SHALL BE FRACTURED FACE, ALL SIDES.

- INSTALLATION NOTES**
1. CRUSHED ROCK SHALL BE BETWEEN MAX. 1 1/2" (MINUS) IN SIZE WITH A FRACTURED FACE (ALL SIDES) AND SHALL COMPLY WITH GRADATION SHOWN ON THIS SHEET AND MIN. 3/4" CRUSHED ROCK.
 2. WIRE MESH SHALL HAVE OPENINGS SMALLER THAN THE SMALLEST SIZE ROCK.
 3. WIRE MESH SHALL BE SECURED USING HOG RINGS OR WIRE TIES AT 6" CENTERS ALONG ALL JOINTS AND AT 2" CENTERS ON ENDS OF SOCKS.
- MAINTENANCE NOTES**
1. FREQUENT OBSERVATIONS AND MAINTENANCE ARE NECESSARY TO MAINTAIN CONTROL MEASURES IN EFFECTIVE OPERATING CONDITION. INSPECTIONS AND CORRECTIVE MEASURES SHOULD BE DOCUMENTED THOROUGHLY.
 2. ROCK SOCKS SHALL BE REPLACED IF THEY BECOME HEAVILY SOILED OR DAMAGED BEYOND REPAIR.
 3. ACCUMULATED SEDIMENT SHALL BE REMOVED WHEN THE DEPTH REACHES 1/2 OF THE HEIGHT OF THE ROCK SOCK.
 4. ROCK SOCKS ARE TO REMAIN IN PLACE UNTIL DISTURBED AREA IS STABILIZED.
 5. PERMANENTLY STABILIZE AREA AFTER ROCK SOCKS HAVE BEEN REMOVED.

	ROCK SOCK	
	APPROVED: <i>[Signature]</i> SHEET MANAGER	DRAWING NO. 900-RS
ISSUED: 10/7/19	REVISED: 8/19/2020	

HR GREEN xref: xref-1.dwg

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NO.	DATE	BY	REVISION DESCRIPTION

	HR GREEN - COLORADO SPRINGS
	1975 RESEARCH PARKWAY SUITE 230
	COLORADO SPRINGS CO 80920
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EASTONVILLE ROAD IMPROVEMENTS

DR. HORTON

EL PASO COUNTY, COLORADO

EASTONVILLE ROAD SEGMENT 1 IMPROVEMENTS

DETAILS III

SHEET

DT.2

37

EASTONVILLE ROAD FROM LONDONDERRY DRIVE TO REX ROAD SEGMENT 1 IMPROVEMENTS STATIONING 14+19.69 - 47+66.51

LOCATED IN A PORTION OF SECTION 28, TOWNSHIP 12 SOUTH, RANGE 64 WEST OF THE 6TH PRINCIPAL MERIDIAN
COUNTY OF EL PASO, STATE OF COLORADO
AUGUST 2024

GENERAL LANDSCAPE PLAN NOTES:

- LANDSCAPE CONTRACTOR SHALL PROVIDE ALL LABOR, MATERIALS AND SERVICES NECESSARY TO FURNISH AND INSTALL LANDSCAPE ELEMENTS AND PLANTINGS AS SPECIFIED HEREIN AND AS SHOWN ON THESE PLANS.
- NO MATERIAL SUBSTITUTIONS SHALL BE MADE WITHOUT LANDSCAPE ARCHITECT'S APPROVAL. ALTERNATE MATERIALS OF SIMILAR SIZE AND CHARACTER MAY BE CONSIDERED IF SPECIFIED PLANT MATERIALS CANNOT BE OBTAINED. OWNER'S REPRESENTATIVE RESERVES THE RIGHT TO REVISE PLANT LIST AS DEEMED NECESSARY.
- ALL PLANT LOCATIONS ARE APPROXIMATE, ADJUST AS NECESSARY TO AVOID CONFLICTS.
- QUANTITIES OF MATERIALS SHOWN ON THE PLANTING PLAN TAKE PRECEDENCE OVER QUANTITIES SHOWN ON THE PLANT MATERIAL SCHEDULE. LANDSCAPE CONTRACTOR SHALL BE RESPONSIBLE FOR VERIFYING ALL QUANTITIES ON THE PLANTING PLAN.
- CONTRACTOR SHALL LOCATE ALL UTILITIES BEFORE WORK. UTILITIES HAVE BEEN SHOWN ON PLAN FOR ROUGH LOCATION OF SERVICES. LOCATE EXACT UTILITY LOCATIONS BY CONTACTING "CALL BEFORE YOU DIG" AT (800) 922-1987 OR 811. CONTRACTOR WILL BE RESPONSIBLE FOR THE REPAIR OF ANY DAMAGE HE MAY CAUSE TO UTILITIES.
- REMOVE ALL RUBBISH, EQUIPMENT, AND MATERIAL AND LEAVE THE AREA IN A NEAT, CLEAN CONDITION EACH DAY. MAINTAIN PAVED AREAS UTILIZED FOR HAULING EQUIPMENT AND MATERIALS BY OTHER TRADES IN A CLEAN AND UNOBSTRUCTED CONDITION AT ALL TIMES.
- STORAGE OF ANY MATERIALS, BUILDINGS, VEHICLES OR EQUIPMENT, FENCING AND WARNING SIGNS SHALL BE MAINTAINED THROUGHOUT THE SITE WORK AND CONSTRUCTION PERIODS BY THE CONTRACTOR.
- ALL INTERNAL LANDSCAPE AND OPEN SPACE AREAS SHALL BE OWNED AND MAINTAINED BY A METRO DISTRICT (TO BE NAMED) AFTER INITIAL INSTALLATION BY THE OWNER. THE HOA (TO BE NAMED) WILL BE SET UP BY THE EVENTUAL MANAGEMENT COMPANY.
- STREET TREES, STREETSCAPE IMPROVEMENTS, AND VEGETATION WITHIN THE COUNTY ROW SHALL BE MAINTAINED BY THE METRO DISTRICT (TO BE NAMED) OR CURRENT PROPERTY OWNER.
- ACCESSIBLE ROUTES, INCLUDING RAMPS AND SIDEWALKS, WITHIN THE PUBLIC RIGHT-OF-WAY SHALL BE PER THE COUNTY'S STANDARD DRAWINGS AND SPECIFICATIONS. CITY'S INSPECTOR WILL HAVE THE FINAL AUTHORITY ON ACCEPTING THE PUBLIC IMPROVEMENTS.
- LANDSCAPE IMPROVEMENTS AND MAINTENANCE SHALL BE THE RESPONSIBILITY OF HOA (TO BE NAMED) OR CURRENT OWNER.

IRRIGATION:

- AN IRRIGATION PLAN SHALL BE SUBMITTED AND REVIEWED CONCURRENT WITH BUILDING PERMIT SUBMITTAL AND APPROVED PRIOR TO ISSUANCE OF A BUILDING PERMIT.
 - ALL SHRUBS AND TREES SHALL BE DRIP IRRIGATED. ALL TREES LOCATED WITHIN SOD TURF AREAS SHALL BE WATERED BY ADJACENT SOD IRRIGATION SYSTEM.
 - ALL NATIVE LOW GROW SEEDING SHALL BE TEMPORARILY IRRIGATED UNTIL ESTABLISHMENT.
- THE CONTRACTOR SHALL PROVIDE WATER, WATERING DEVICES, AND LABOR NEEDED TO IRRIGATE PLANT MATERIALS UNTIL AUTOMATIC IRRIGATION SYSTEMS ARE OPERATIONAL AND ACCEPTED. THE CONTRACTOR SHALL SUPPLY ENOUGH WATER TO MAINTAIN THE PLANT'S HEALTHY CONDITION BASED ON SEASONAL CONSIDERATIONS.

SHRUB/TREE PLANTING NOTES:

- OWNER AND OWNER'S REPRESENTATIVE RESERVES THE RIGHT TO REJECT AT ANY TIME OR PLACE PRIOR TO FINAL ACCEPTANCE OF WORK, ANY AND ALL PLANTS WHICH, IN THEIR OPINION, FAIL TO MEET THE REQUIREMENTS OF THE SPECIFICATIONS.
- ALL TREE AND SHRUB LOCATIONS ARE APPROXIMATE, ADJUST AS NECESSARY TO AVOID CONFLICTS. PLANTING LOCATIONS OF SHRUBS, GRASSES AND PERENNIALS AS SPECIFIED. OBTAIN OWNER'S REPRESENTATIVE'S APPROVAL OF LOCATIONS PRIOR TO PLANTING TREES AND SHRUBS.
- ALL PLANT MATERIAL SHALL BE WELL-FORMED AND DEVELOPED IN GOOD CONDITION, HEALTHY AND DISEASE FREE, AND BE TYPICAL OF THE SPECIES.
- PLANTS SHALL COMPLY IN ALL APPLICABLE RESPECTS WITH ACCEPTABLE STANDARDS SET FORTH IN THE COLORADO NURSERY ACT OF 1965 - TITLE 35, ARTICLE 25, CRS 1974 (SEE LANDSCAPE THE NURSERY ACT).
- AT THE COMPLETION OF PLANTING OPERATIONS ALL PLANTS SHALL BE INSPECTED BY THE OWNER AND OWNER'S REPRESENTATIVE. CONTRACTOR SHALL REPLACE IMMEDIATELY ANY PLANTS NOT IN HEALTHY AND VIGOROUS CONDITION AT THAT TIME AT NO EXPENSE TO THE OWNER. ANY PLANT NOT IN HEALTHY CONDITION DURING THE WARRANTY PERIOD SHALL BE REPLACED AS PER THE ORIGINAL SPECIFICATIONS, AT NO CHARGE TO THE OWNER.
- PLANTS ARE TO BE SELECTED AND SIZED AS SHOWN ON THE PLANT SCHEDULE.
- PLANTS BED RECEIVING MULCH ARE TO BE FREE OF WEEDS AND GRASS. TREAT BEDS WITH A PRE-EMERGENT HERBICIDE PRIOR TO PLANTING AND MULCH PLACEMENT. APPLY IN ACCORDANCE WITH STANDARD TRADE PRACTICE. DO NOT APPLY HERBICIDE IN PERENNIAL BEDS.
- POROUS WEED BARRIER FABRIC, AS NOTED IN THE SPECIFICATIONS, SHALL BE INSTALLED WHERE ROCK AREAS ARE PRESENT.
- USE TRIANGULAR SPACING IN ALL GROUND COVER AND PERENNIAL BEDS.
- ALL WORK ON TREES TO REMAIN, INCLUDING CROWN AND ROOT PRUNNING SHALL BE PERFORMED BY A TREE SERVICE LICENSED BY THE CITY FORESTER.

SODDING & SEEDING:

- CONTRACTOR IS RESPONSIBLE FOR MAINTAINING EXISTING EROSION CONTROL MEASURES DURING THE DURATION OF WORK ON-SITE.
- ALL PROPOSED TURF AND PLANTING AREAS ARE TO BE ROTO-TILLED TO A DEPTH OF 8". FINE GRADE, AND REMOVE ALL CONSTRUCTION DEBRIS AND ROCKS OVER 1" IN DIAMETER FROM THE SITE.
- AFTER TILLING APPLY SOIL AMENDMENTS & FERTILIZERS TO ALL TURF AND PLANTING AREAS. GRADE SHALL BE ADJUSTED FOR SOD THICKNESS. ALL FINISH GRADING SHALL BE PERFORMED BY LANDSCAPE CONTRACTOR.
- FINE GRADE SOD AREAS TO ELIMINATE IRREGULARITIES ON THE SURFACE. ROLL OR PERFORM ADDITIONAL FINE GRADING.
- ALL AREAS TO BE SEEDED SHALL BE TILLED AS SPECIFIED AND THEN HARROWED, RAKED OR ROLLED TO PRODUCE A FIRM SEED BED FOR PLANTING. IMPORTED TOPSOIL MAY BE REQUIRED TO PROVIDE AN ACCEPTABLE PLANTING MEDIUM. LARGE ROCKS (1" DIAMETER) AND DEBRIS THAT MAY IMPEDE SEEDING SHALL BE CLEARED FROM THE SITE. ANY REQUIRED EROSION CONTROL FEATURES (E.G., WATER BARS, BERMS, BASINS, TURNOUTS) SHALL BE CONSTRUCTED PRIOR TO SEEDING. SITES THAT ARE NOT ADEQUATELY PREPARED PRIOR TO SEEDING (E.G., COMPACTED SOIL, INSUFFICIENT TOPSOIL, ROCKY, ERODED SURFACE, ETC.) SHALL BE REJECTED.
- ALL SPECIFIED SEED MIXES SHALL CONSIST OF CERTIFIED SEE VARIETIES THAT ARE FREE OF NOXIOUS WEEDS AND HAVE BEEN TESTED FOR PURITY AND GERMINATION WITHIN SIX MONTHS OF THE PLANTING DATE. CERTIFICATION LABELS WHICH INDICATE THE SPECIES, PURITY, GERMINATION, WEED CONTENT, ORIGIN, AND TEST DATE SHALL BE SUBMITTED FOR ALL SEED MATERIALS.
- SEEDING SHALL OCCUR DEPENDING ON THE PROJECT SCHEDULE. IT IS PREFERABLE THAT SEEDING OCCUR DURING THE FALL (SEPTEMBER-NOVEMBER) OR SPRING (MARCH-MAY) TO MAXIMIZE PLANTING SUCCESS. IF THE PROJECT SCHEDULE DOES NOT COINCIDE WITH THE PREFERRED SEEDING PERIODS, OR THERE ARE UNSUITABLE SITE CONDITIONS (I.E. FROZEN GROUND), THEN SOIL STABILIZATION AND/OR STORM WATER BEST MANAGEMENT PRACTICES SHALL BE IMPLEMENTED TO STABILIZE THE AREA UNTIL THE NEXT APPROPRIATE SEEDING DATE.
- ANY SEEDING CONDUCTED OUTSIDE THE PREFERRED MONTHS SHALL BE APPROVED BY THE OWNER.

GENERAL NOTES

- BASE MAP INFORMATION IS ACCURATE AS OF THE DATE PRINTED ON THIS PACKAGE.
- THE LANDSCAPE PLANS CONTAINED HEREIN ILLUSTRATE APPROXIMATE LOCATIONS OF ALL SITE CONDITIONS. REFER TO SURVEY, ARCHITECTURAL, CIVIL ENGINEERING, STRUCTURAL, ELECTRICAL, IRRIGATION AND ALL OTHER DRAWINGS, IF AVAILABLE, FOR ADDITIONAL DETAILED INFORMATION.
- THE CONTRACTOR SHALL APPLY FOR AND PROCURE ALL REQUIRED PERMITS PRIOR TO COMMENCING WORK.
- THE CONTRACTOR SHALL COMPLY WITH ALL CODES APPLICABLE TO THIS WORK.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR COORDINATION WITH SUBCONTRACTORS AND OTHER CONTRACTORS OF RELATED TRADES, AS REQUIRED, TO ACCOMPLISH THE PLANTING AND RELATED OPERATIONS.
- THE CONTRACTOR SHALL COORDINATE INSTALLATION OF ALL PLANT MATERIAL WITH THE INSTALLATION OF OTHER IMPROVEMENTS SUCH AS HARDSCAPE ELEMENTS AND RELATED STRUCTURES. ANY DAMAGE TO EXISTING IMPROVEMENTS IS THE RESPONSIBILITY OF THE CONTRACTOR.
- THE CONTRACTOR IS RESPONSIBLE TO RESTORE ALL AREAS OF THE SITE, OR ADJACENT AREAS, WHERE DISTURBED BY OPERATIONS OF OR RELATED TO THE CONTRACTOR'S WORK.
- LANDSCAPE EDGING SHALL BE REQUIRED BETWEEN WHERE ALL GROUND COVER TYPES CHANGE TO A DIFFERENT GROUND COVER. SEE SPECIFICATIONS DETAIL.
- ALL AREAS DESIGNED TO RECEIVE SOLID SOD SHALL BE APPROVED BY LANDSCAPE ARCHITECT PRIOR TO GRASSING OPERATIONS. FINISH GRADE AT TURF AREAS SHALL BE 3/4"-1" BELOW TOP OF ADJACENT PAVEMENT OR CURBS.
- CONTRACTOR SHALL FIELD ADJUST PLANT LOCATIONS TO ACCOMMODATE ALL LIGHTING AND ENSURE PLANTS WILL NOT INTERFERE WITH LIGHTING.
- FERTILIZING, AS SPECIFIED, STAKING, WATERING AND ONE (1) YEAR PLANT WARRANTY FOR INSTALLED PLANT MATERIAL, SHALL BE CONSIDERED INCIDENTAL TO THE PLANT ITEMS.
- WARRANTY: ONE (1) YEAR REPLACEMENT WARRANTY FOR ALL PLANT MATERIALS SHALL BE CONSIDERED INCIDENTAL TO THIS PROJECT. WARRANTY SHALL COVER PLANTS WHICH HAVE DIED OR PARTIALLY DIED (THEREBY RUINING THEIR NATURAL SHAPE), BUT SHALL NOT INCLUDE DAMAGE BY VANDALISM, BROWSING, HAIL, ABNORMAL FREEZES, DROUGHT OR NEGLIGENCE BY THE OWNER. THE WARRANTY IS INTENDED TO COVER CONTRACTOR NEGLIGENCE, INFESTATIONS, DISEASE AND DAMAGE OR SHOCK TO PLANTS. THE CONTRACTOR SHALL BE RESPONSIBLE FOR MAINTAINING AND WATERING THE PLANT MATERIAL AS NECESSARY, TO ENSURE GROWTH AND ESTABLISHMENT DURING THE 1-YEAR WARRANTY PERIOD. ANY PLANTS THAT ARE NOT IN A LIVE, HEALTHY, GROWING CONDITION AT THE END OF THE 1-YEAR WARRANTY PERIOD SHALL BE REPLACED BY THE CONTRACTOR AT THE CONTRACTOR'S EXPENSE. PLANTS REPLACED UNDER WARRANTY WILL BE WARRANTED FOR ONE (1) YEAR FOLLOWING REPLACEMENT.

SEGMENT 1 GROUND COVER LEGEND/QUANTITIES			
SYMBOL	DESCRIPTION	QUANTITY	UNITS
	2-4" BLUE GREY RIVER ROCK TO BE ROCK NOTED ABOVE OR APPROVED EQUAL. WEED BARRIER FABRIC IS TO BE INSTALLED IN ALL LOCATIONS. INSTALLED PER SUPPLIER'S SPECIFICATIONS.	3434	SQ. FT.
	1-1/2" DENVER GRANITE TO BE ROCK NOTED ABOVE OR APPROVED EQUAL. WEED BARRIER FABRIC IS TO BE INSTALLED IN ALL LOCATIONS. INSTALLED PER SUPPLIER'S SPECIFICATIONS.	8417	SQ. FT.
	NATIVE LOW GROW SEED MIX PRE-BLENDED, EL PASO COUNTY ALL PURPOSE LOW GROW MIX. INSTALLED PER SUPPLIER'S SPECIFICATIONS. TEMPORARILY IRRIGATED UNTIL ESTABLISHED.	35031	SQ. FT.
	LOW MAINTAINED SEED MIX PRE-BLENDED, BUFFALO/BLUE GRAMA SEED MIX. INSTALLED PER SUPPLIER'S SPECIFICATIONS. IRRIGATED 1-2 TIMES PER MONTH. MOWED TO 6" HEIGHT 3 TIMES PER YEAR.	17498	SQ. FT.
	DETENTION SEED MIX PRE-BLENDED, EL PASO COUNTY CONSERVATION DISTRICT ALL PURPOSE MIX. INSTALLED PER SUPPLIER'S SPECIFICATIONS. TEMPORARILY IRRIGATED UNTIL ESTABLISHED.	15598	SQ. FT.

CLIENT/DEVELOPER
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ENGINEER
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1975 RESEARCH PARKWAY #160
COLORADO SPRINGS, CO 80920
PHONE: 719.300.4140

LANDSCAPE ARCHITECT
HR GREEN INC.
5619 DTC PARKWAY #1150
GREENWOOD VILLAGE, CO 80111
720.602.4999

SHEET INDEX:

- SHEET 38 - LANDSCAPE COVER & NOTES
- SHEET 39 - OVERALL LANDSCAPE PLAN
- SHEET 40 - LANDSCAPE PLAN
- SHEET 41 - LANDSCAPE PLAN
- SHEET 42 - LANDSCAPE DETAILS

SEEDING SPECIFICATIONS

NATIVE SEEDING	
EL PASO COUNTY ALL PURPOSE LOW GROW MIX	25% BUFFALOGRASS
	20% GRAMA, BLUE
	29% GRAMA, SIDEOATS
	5% GREEN NEEDLEGRASS
	20% WHEATGRASS, WESTERN
	1% DROPSEED, SAND

SEEDING RATE: 42 LBS PLS/ACRE

LOW MAINTAINED SEED MIX	
BUFFALOGRASS AND BLUE GRAMA GRASS MIX	50% BUFFALOGRASS
	50% GRAMA, BLUE

SEEDING RATE: 3 LBS. PER 1,000 SF

DETENTION SEEDING	
EL PASO COUNTY CONSERVATION DISTRICT ALL PURPOSE MIX	20% BLUESTEM, BIG
	10% GRAMA, BLUE
	10% GREEN NEEDLEGRASS
	20% WHEATGRASS, WESTERN
	10% GRAMA, SIDEOATS
	10% SWITCHGRASS
	10% PRAIRIE SANDREED
	10% YELLOW INDIANGRASS

SEEDING RATE: 19.3 LBS PLS/ACRE

PLANT SCHEDULE SEGMENT 1

SYMBOL	CODE	QTY	BOTANICAL / COMMON NAME	PLANTING SIZE	MATURE HEIGHT	MATURE WIDTH
DECIDUOUS TREES						
	GI	1	GLEDTISIA TRIACANTHOS INERMIS 'SKYCOLE' / SKYLINE® HONEY LOCUST	2.5" CAL.	40 - 65ft. ht.	25 - 40ft. w.
EVERGREEN TREES						
	AC	1	ABIES CONCOLOR / WHITE FIR	6" HT.	40 - 65ft. ht.	15 - 25ft. w.
	PL	1	PINUS FLEXILIS / LIMBER PINE	6" HT.	40 - 65ft. ht.	25 - 40ft. w.
	PN	3	PINUS NIGRA / AUSTRIAN PINE	6" HT.	40 - 65ft. ht.	25 - 40ft. w.

ENGINEERING LEGEND

<p>EXISTING</p> <p>MATCH LINE PHASE LINE SECTION LINE PROPERTY LINE EASEMENT LINE RIGHT OF WAY CENTERLINE PRIVACY FENCE SPLIT RAIL FENCE METAL FALL FENCE GUARDRAIL CABLE TV U.G. ELECTRIC OVERHEAD ELECTRIC FIBER OPTIC GAS MAIN SANITARY SEWER STORM DRAIN TELEPHONE WATER MAIN SWALE TRAIL CURB & GUTTER DRAINAGE BASIN INDEX CONTOUR INTER CONTOUR 100-YR FLOODPLAIN FLOODWAY</p> <p>EXISTING</p> <p>EDGE OF WETLANDS</p> <p>DRAINAGE</p> <p>DRAINAGE BASIN</p> <p>BASIN TAG</p> <p>DESIGN POINT</p>	<p>PROPOSED</p> <p>MANHOLE STORM INLET FLARED END SECTION RIPRAP</p> <p>SANITARY SEWER</p> <p>CLEAN OUT MANHOLE PLUG</p> <p>WATER</p> <p>FIRE HYDRANT FIRE DEPT. CONNECTION GATE VALVE MANHOLE METER TEE REDUCER</p> <p>DRY UTILITIES</p> <p>ELECTRIC METER ELECTRIC PEDESTAL ELECTRICAL CABINET ELECTRIC VAULT FIBER OPTIC PULL BOX FIBER OPTIC MANHOLE FIBER OPTIC PEDESTAL FIBER OPTIC SIGN FIBER OPTIC VAULT GAS METER GAS SIGN GAS VAULT TELEPHONE CABINET TELEPHONE MANHOLE TELEPHONE SIGNALMAST TELEPHONE SIGN BOLLARD TRANSFORMER LIGHT POLE FIBER OPTIC VAULT</p> <p>MISCELLANEOUS</p> <p>SIGN BOLLARD ACCESSIBLE PARKING</p>
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NO.	DATE	BY	REVISION DESCRIPTION

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EASTONVILLE ROAD IMPROVEMENTS
DR. HORTON
EL PASO COUNTY, COLORADO

D.R. HORTON
America's Builder

EASTONVILLE ROAD SEGMENT 1 IMPROVEMENTS
LANDSCAPE COVER & NOTES

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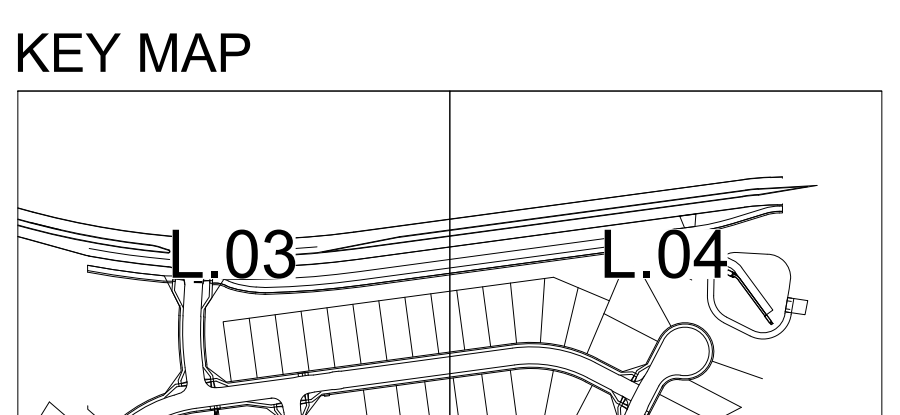
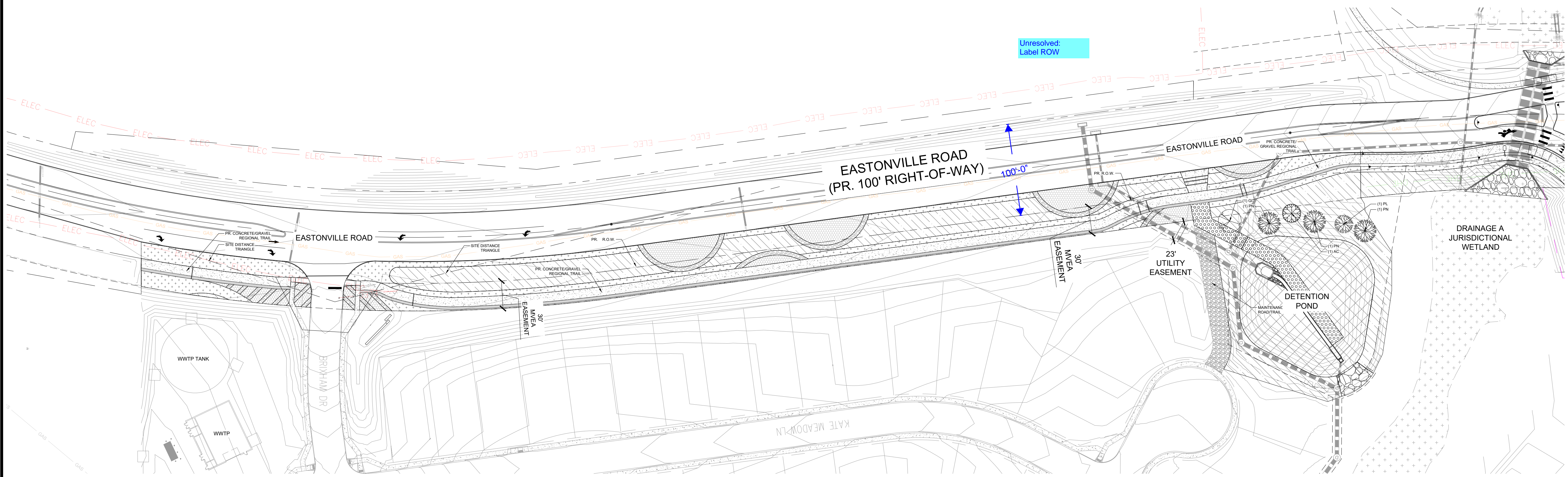
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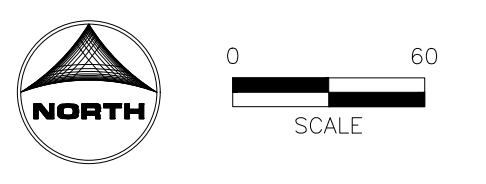
CALLAHAN_SEAN_1/20/2025 2:24 PM

HR GREEN Xrefs: xc-row-F1-602.10; xc-design-F1-602.10; xc-design-F1-602.06; xc-dgn-602.06; xc-dgn-602.08; Eastonville_Seg_1; xv-ull-602; xv-row-602; xc-row-602.08; Eastonville; Engineering-Legend; xc-dgn-602.08; Eastonville_Seg_2; xl-dgn-Eastonville; xc-dgn-602.08; Eastonville_Seg_1; xala 24.034



GROUND COVER LEGEND

SYMBOL	DESCRIPTION
	2-4" BLUE GREY RIVER ROCK TO BE ROCK NOTED ABOVE OR APPROVED EQUAL. WEED BARRIER FABRIC IS TO BE INSTALLED IN ALL LOCATIONS. INSTALLED PER SUPPLIER'S SPECIFICATIONS.
	1-1/2" DENVER GRANITE TO BE ROCK NOTED ABOVE OR APPROVED EQUAL. WEED BARRIER FABRIC IS TO BE INSTALLED IN ALL LOCATIONS. INSTALLED PER SUPPLIER'S SPECIFICATIONS.
	NATIVE LOW GROW SEED MIX PRE-BLENDED, EL PASO COUNTY ALL PURPOSE LOW GROW MIX INSTALLED PER SUPPLIER'S SPECIFICATIONS. TEMPORARILY IRRIGATED UNTIL ESTABLISHED.
	LOW MAINTAINED SEED MIX PRE-BLENDED, BUFFALO/BLUE GRAMA SEED MIX. INSTALLED PER SUPPLIER'S SPECIFICATIONS. IRRIGATED 1-2 TIMES PER MONTH. MOWED TO 6" HEIGHT 3 TIMES PER YEAR.
	DETENTION SEED MIX PRE-BLENDED, EL PASO COUNTY CONSERVATION DISTRICT ALL PURPOSE MIX INSTALLED PER SUPPLIER'S SPECIFICATIONS. TEMPORARILY IRRIGATED UNTIL ESTABLISHED.



EDARP FILING NO. CDR2321

DRAWN BY: JAG	JOB DATE: 12/6/2024	BAR IS ONE INCH ON OFFICIAL DRAWINGS.
APPROVED: JFR	JOB NUMBER: 201662	0" = 1"
CAD DATE: 12/6/2024		IF NOT ONE INCH, ADJUST SCALE ACCORDINGLY.
CAD FILE: J:\2020\201662\CAD\Drawings\Eastonville_Road_662.08\Segment_1\CD\FLPLandscape-Plan_S1		

NO.	DATE	BY	REVISION DESCRIPTION



HR GREEN - DENVER
5613 DTC PARKWAY SUITE 950
DENVER CO 80111
PHONE: 720.602.4999
FAX: 844.273.1057

EASTONVILLE ROAD IMPROVEMENTS
DR. HORTON
EL PASO COUNTY, COLORADO

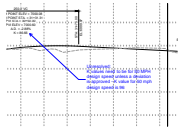


EASTONVILLE ROAD SEGMENT 1 IMPROVEMENTS
OVERALL LANDSCAPE PLAN

SHEET
L.02
39

V4_Construction Drawings - Segment 1.pdf Markup Summary

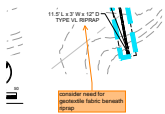
12 (1)



Subject: Callout
Page Index: 12
Date: 2/10/2025 4:43:15 PM
Author: CDurham
Color: ■
Layer:
Space:
Page Label: [12] 12 PLAN & PROFILE III

Unresolved:
K values need to be for 50 MPH design speed unless a deviation is approved - K value for 50 mph design speed is 96

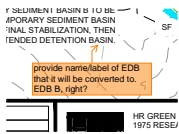
14 (1)



Subject: SW - Textbox with Arrow
Page Index: 14
Date: 2/10/2025 11:42:18 AM
Author: Glenn Reese - EPC Stormwater
Color: ■
Layer:
Space:
Page Label: [14] 14 GRADING & EROSION CONTROL PLAN

consider need for geotextile fabric beneath riprap

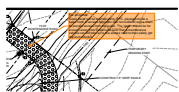
15 (1)



Subject: SW - Textbox with Arrow
Page Index: 15
Date: 2/10/2025 1:38:28 PM
Author: Glenn Reese - EPC Stormwater
Color: ■
Layer:
Space:
Page Label: [15] 15 GRADING & EROSION CONTROL PLAN II

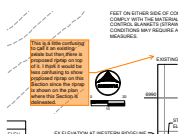
provide name/label of EDB that it will be converted to. EDB B, right?

18 (3)



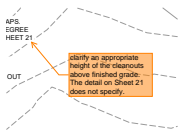
Subject: SW - Textbox with Arrow
Page Index: 18
Date: 2/10/2025 2:06:46 PM
Author: Glenn Reese - EPC Stormwater
Color: ■
Layer:
Space:
Page Label: [18] 18 SFB A (PUBLIC) GRADING PLAN

For all ponds:
Since these will be maintained by EPC, please provide a basic form of access restriction like two bollards and a chain to prevent access from the public. The "gate" should be far enough away from Eastonville such that a maintenance vehicle can still turn on to the access road to then safely get out and unlock it.



Subject: SW - Textbox with Arrow
Page Index: 18
Date: 2/10/2025 2:10:52 PM
Author: Glenn Reese - EPC Stormwater
Color: ■
Layer:
Space:
Page Label: [18] 18 SFB A (PUBLIC) GRADING PLAN

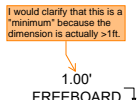
This is a little confusing to call it an existing swale but then there is proposed riprap on top of it. I think it would be less confusing to show proposed riprap on this Section since the riprap is shown on the plan where this Section is delineated.



Subject: SW - Textbox with Arrow
Page Index: 18
Date: 2/10/2025 2:12:29 PM
Author: Glenn Reese - EPC Stormwater
Color: ■
Layer:
Space:
Page Label: [18] 18 SFB A (PUBLIC) GRADING PLAN

clarify an appropriate height of the cleanouts above finished grade. The detail on Sheet 21 does not specify.

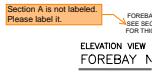
19 (1)



Subject: SW - Textbox with Arrow
Page Index: 19
Date: 2/10/2025 12:47:18 PM
Author: Glenn Reese - EPC Stormwater
Color: ■
Layer:
Space:
Page Label: [19] 19 SFB A (PUBLIC) DETAILS

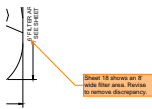
I would clarify that this is a "minimum" because the dimension is actually >1ft.

20 (6)



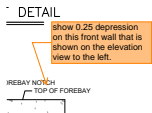
Subject: SW - Textbox with Arrow
Page Index: 20
Date: 2/10/2025 1:04:32 PM
Author: Glenn Reese - EPC Stormwater
Color: ■
Layer:
Space:
Page Label: [20] 20 SFB A (PUBLIC) FOREBAY

Section A is not labeled. Please label it.



Subject: SW - Textbox with Arrow
Page Index: 20
Date: 2/10/2025 12:54:36 PM
Author: Glenn Reese - EPC Stormwater
Color: ■
Layer:
Space:
Page Label: [20] 20 SFB A (PUBLIC) FOREBAY

Sheet 18 shows an 8' wide filter area. Revise to remove discrepancy.



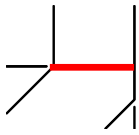
Subject: SW - Textbox with Arrow
Page Index: 20
Date: 2/10/2025 1:04:32 PM
Author: Glenn Reese - EPC Stormwater
Color: ■
Layer:
Space:
Page Label: [20] 20 SFB A (PUBLIC) FOREBAY

show 0.25 depression on this front wall that is shown on the elevation view to the left.

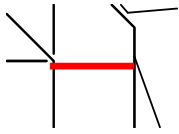


Subject: SW - Textbox with Arrow
Page Index: 20
Date: 2/10/2025 12:57:16 PM
Author: Glenn Reese - EPC Stormwater
Color: ■
Layer:
Space:
Page Label: [20] 20 SFB A (PUBLIC) FOREBAY

delineate with simple line work where 0.25 wall depth depression occurs. Red lines shown as examples of what I mean.



Subject: Line
Page Index: 20
Date: 2/10/2025 12:57:03 PM
Author: Glenn Reese - EPC Stormwater
Color: ■
Layer:
Space:
Page Label: [20] 20 SFB A (PUBLIC) FOREBAY



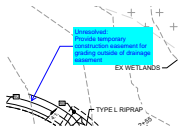
Subject: Line
Page Index: 20
Date: 2/10/2025 12:57:03 PM
Author: Glenn Reese - EPC Stormwater
Color: ■
Layer:
Space:
Page Label: [20] 20 SFB A (PUBLIC) FOREBAY

22 (2)



Subject: SW - Textbox with Arrow
Page Index: 22
Date: 2/10/2025 2:13:48 PM
Author: Glenn Reese - EPC Stormwater
Color: ■
Layer:
Space:
Page Label: [22] 22 EDB B (PUBLIC) GRADING PLAN

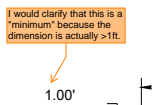
recommend also calling out a pet waste station near here since this pond is located next to residential lots.



Subject: Callout
Page Index: 22
Date: 2/10/2025 4:47:47 PM
Author: CDurham
Color: ■
Layer:
Space:
Page Label: [22] 22 EDB B (PUBLIC) GRADING PLAN

Unresolved:
 Provide temporary construction easement for grading outside of drainage easement

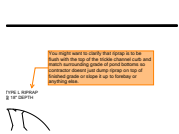
23 (1)



Subject: SW - Textbox with Arrow
Page Index: 23
Date: 2/10/2025 1:16:55 PM
Author: Glenn Reese - EPC Stormwater
Color: ■
Layer:
Space:
Page Label: [23] 23 EDB B (PUBLIC) DETAILS

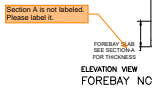
I would clarify that this is a "minimum" because the dimension is actually >1ft.

24 (6)



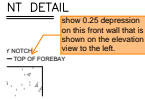
Subject: SW - Textbox with Arrow
Page Index: 24
Date: 2/10/2025 11:44:33 AM
Author: Glenn Reese - EPC Stormwater
Color: ■
Layer:
Space:
Page Label: [24] 24 EDB B (PUBLIC) FOREBAY DETAILS

You might want to clarify that riprap is to be flush with the top of the trickle channel curb and match surrounding grade of pond bottoms so contractor doesnt just dump riprap on top of finished grade or slope it up to forebay or anything else.



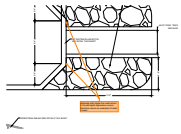
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Page Index: 24
Date: 2/10/2025 1:04:43 PM
Author: Glenn Reese - EPC Stormwater
Color: ■
Layer:
Space:
Page Label: [24] 24 EDB B (PUBLIC) FOREBAY DETAILS

Section A is not labeled. Please label it.



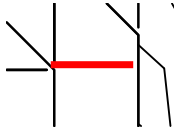
Subject: SW - Textbox with Arrow
Page Index: 24
Date: 2/10/2025 1:04:47 PM
Author: Glenn Reese - EPC Stormwater
Color: ■
Layer:
Space:
Page Label: [24] 24 EDB B (PUBLIC) FOREBAY DETAILS

show 0.25 depression on this front wall that is shown on the elevation view to the left.

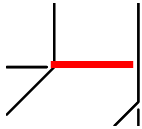


Subject: SW - Textbox with Arrow
Page Index: 24
Date: 2/10/2025 1:22:16 PM
Author: Glenn Reese - EPC Stormwater
Color: ■
Layer:
Space:
Page Label: [24] 24 EDB B (PUBLIC) FOREBAY DETAILS

delineate with simple line work where 0.25 wall depth depression occurs. Red lines shown as examples of what I mean.

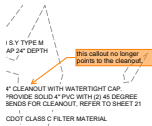


Subject: Line
Page Index: 24
Date: 2/10/2025 1:05:42 PM
Author: Glenn Reese - EPC Stormwater
Color: ■
Layer:
Space:
Page Label: [24] 24 EDB B (PUBLIC) FOREBAY DETAILS



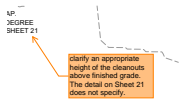
Subject: Line
Page Index: 24
Date: 2/10/2025 1:05:42 PM
Author: Glenn Reese - EPC Stormwater
Color: ■
Layer:
Space:
Page Label: [24] 24 EDB B (PUBLIC) FOREBAY DETAILS

27 (4)



Subject: SW - Textbox with Arrow
Page Index: 27
Date: 2/10/2025 2:16:25 PM
Author: Glenn Reese - EPC Stormwater
Color: ■
Layer:
Space:
Page Label: [27] 27 TEMP. SFB D (PUBLIC) POND GRADING PLAN

this callout no longer points to the cleanout.



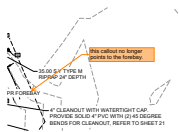
Subject: SW - Textbox with Arrow
Page Index: 27
Date: 2/10/2025 2:15:36 PM
Author: Glenn Reese - EPC Stormwater
Color: ■
Layer:
Space:
Page Label: [27] 27 TEMP. SFB D (PUBLIC) POND GRADING PLAN

clarify an appropriate height of the cleanouts above finished grade. The detail on Sheet 21 does not specify.



Subject: SW - Textbox with Arrow
Page Index: 27
Date: 2/10/2025 2:16:18 PM
Author: Glenn Reese - EPC Stormwater
Color: ■
Layer:
Space:
Page Label: [27] 27 TEMP. SFB D (PUBLIC) POND GRADING PLAN

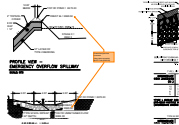
label spillway



Subject: SW - Textbox with Arrow
Page Index: 27
Date: 2/10/2025 2:16:33 PM
Author: Glenn Reese - EPC Stormwater
Color: ■
Layer:
Space:
Page Label: [27] 27 TEMP. SFB D (PUBLIC) POND GRADING PLAN

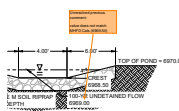
this callout no longer points to the forebay.

28 (2)



Subject: SW - Textbox with Arrow
Page Index: 28
Date: 2/10/2025 1:54:22 PM
Author: Glenn Reese - EPC Stormwater
Color: ■
Layer:
Space:
Page Label: [28] 28 TEMP. SFB D (PUBLIC) POND DETAILS

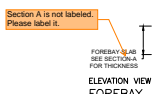
Unresolved previous comment:
value does not match MHFD Cals (6969.00)



Subject: SW - Textbox with Arrow
Page Index: 28
Date: 2/10/2025 1:54:31 PM
Author: Glenn Reese - EPC Stormwater
Color: ■
Layer:
Space:
Page Label: [28] 28 TEMP. SFB D (PUBLIC) POND DETAILS

Unresolved previous comment:
value does not match MHFD Cals (6969.50)

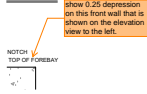
29 (5)



Subject: SW - Textbox with Arrow
Page Index: 29
Date: 2/10/2025 1:22:53 PM
Author: Glenn Reese - EPC Stormwater
Color: ■
Layer:
Space:
Page Label: [29] 29 TEMP. SFB D (PUBLIC) FOREBAY DETAILS

Section A is not labeled. Please label it.

ENT DETAIL



Subject: SW - Textbox with Arrow

Page Index: 29

Date: 2/10/2025 1:22:51 PM

Author: Glenn Reese - EPC Stormwater

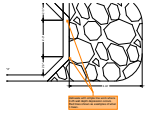
Color: ■

Layer:

Space:

Page Label: [29] 29 TEMP. SFB D (PUBLIC) FOREBAY DETAILS

show 0.25 depression on this front wall that is shown on the elevation view to the left.



Subject: SW - Textbox with Arrow

Page Index: 29

Date: 2/10/2025 1:22:47 PM

Author: Glenn Reese - EPC Stormwater

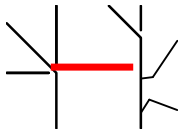
Color: ■

Layer:

Space:

Page Label: [29] 29 TEMP. SFB D (PUBLIC) FOREBAY DETAILS

delineate with simple line work where 0.25 wall depth depression occurs. Red lines shown as examples of what I mean.



Subject: Line

Page Index: 29

Date: 2/10/2025 1:22:34 PM

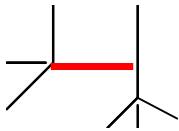
Author: Glenn Reese - EPC Stormwater

Color: ■

Layer:

Space:

Page Label: [29] 29 TEMP. SFB D (PUBLIC) FOREBAY DETAILS



Subject: Line

Page Index: 29

Date: 2/10/2025 1:22:30 PM

Author: Glenn Reese - EPC Stormwater

Color: ■

Layer:

Space:

Page Label: [29] 29 TEMP. SFB D (PUBLIC) FOREBAY DETAILS

39 (2)

Unresolved:
Label ROW

Subject: Text Box

Page Index: 39

Date: 2/10/2025 4:59:31 PM

Author: CDurham

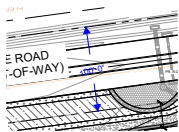
Color: ■

Layer:

Space:

Page Label: [39] 39 Overall Landscape Plan

Unresolved:
Label ROW



Subject: Length Measurement

Page Index: 39

Date: 2/11/2025 9:49:33 AM

Author: Jeff Rice - EPC Engineering Review

Color: ■

Layer:

Space:

Page Label: [39] 39 Overall Landscape Plan

100'-0"