

EASTONVILLE ROAD FROM LONDONDERRY DRIVE TO REX ROAD SEGMENT 1 IMPROVEMENTS STATIONING 14+55.00 - 47+00.00

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
DECEMBER 2023

OWNER/DEVELOPER

MELODY HOMES INC. (D.R. HORTON)
8555 S. KINGSTON CT.
SUITE 200
ENGLEWOOD, CO 80112
CONTACT: RILEY HILLEN
RHILLEN@DRHORTON.COM

CIVIL ENGINEER

HR GREEN DEVELOPMENT, LLC
1975 RESEARCH PARKWAY SUITE 230
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:
CONTACT: JOSHUA PALMER
EMAIL: JOSHUPALMER@ELPASOCO.COM

APPLICANT

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

LANDSCAPE ARCHITECT

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

SURVEYOR

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

TRAFFIC ENGINEER

LSC TRANSPORTATION CONSULTANTS, INC.
545 EAST PIKES PEAK AVENUE, SUITE 210
COLORADO SPRINGS, CO 80903
TELE: (719) 633-2868
CONTACT: JEFF HODSDON
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 SUITE 100
TELE: (719) 499-8416
CONTACT: PAUL HOWARD
EMAIL: PAULINFINTY1@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
PEYTON, CO 80831
TELE: (719) 495-4050
EMAIL: FALCONFIRE@FALCONFIREPD.ORG

BENCHMARK

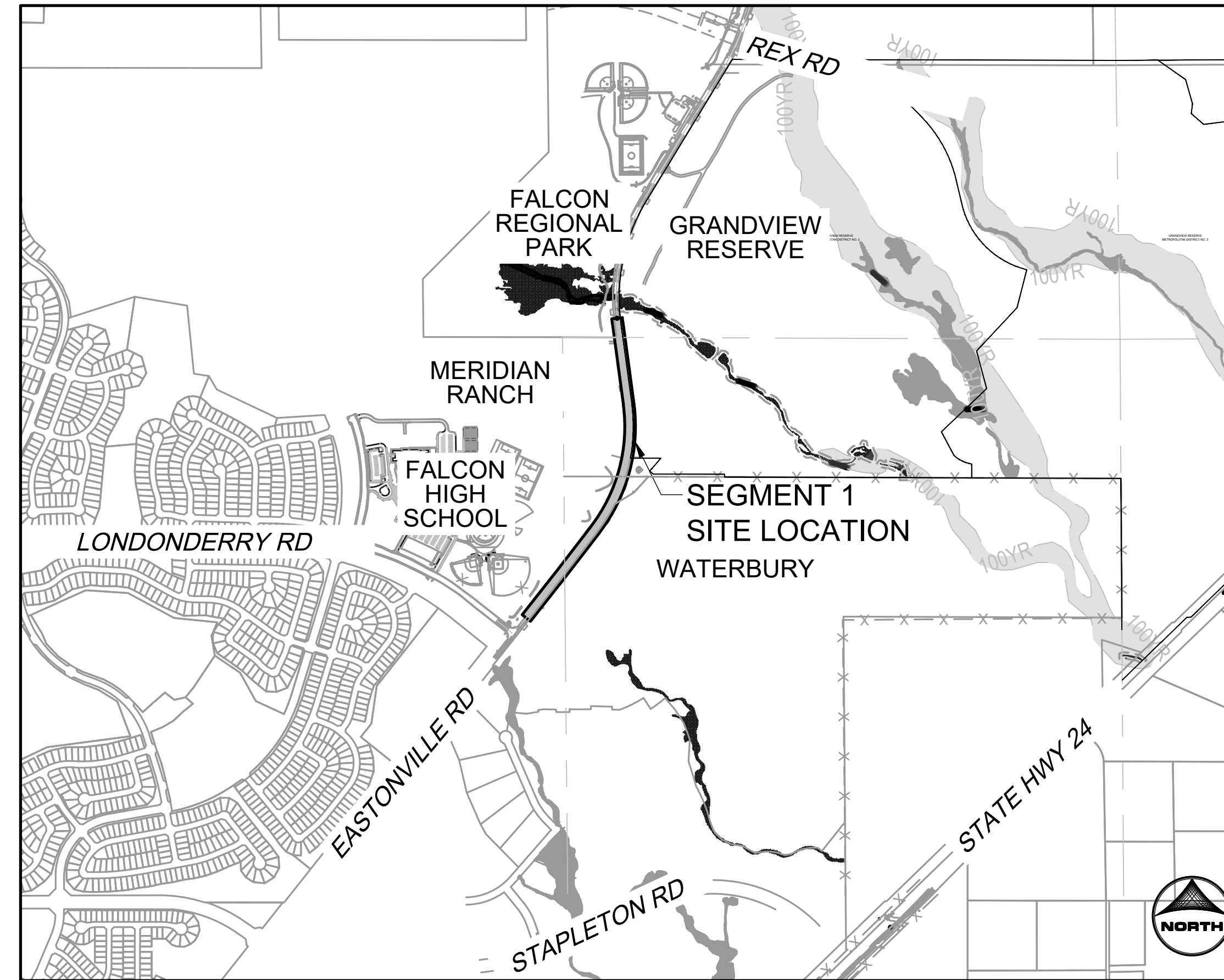
THE BENCHMARK FOR THIS TOPOGRAPHICAL MAP IS NGS MONUMENT F24, WITH A PUBLISHED ELEVATION OF 6866.33 FEET, NAV88.

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.



VICINITY MAP
SCALE 1" = 1000'

OVERALL INDEX	
SEGMENT 1	SHEETS 1-27
SEGMENT 2	SHEETS 28 - XX

SHEET INDEX SEGMENT 1		
SHEET NUMBER	Sheet Description	SHEET TITLE
1	CS.1	COVER
2	GN.1	NOTES & LEGEND
3	GN.2	TYPICAL ROAD SECTIONS
4 - 6	DM.1 - DM.3	DEMOLITION PLAN
7 - 10	PP.1 - PP.4	PLAN & PROFILE
11-12	GEC.1-GEC.2	GRADING & EROSION CONTROL PLAN
13 - 14	SS.1 - SS.2	STRIPING PLAN
15 - 22	PD.2-PD.8	POND PLANS
23 - 26	STM.3 - STM.4	STORM PLAN & PROFILE
27	DT.1	DETAILS

Revise to match GEC Checklist Item "ii"

Revise to match GEC Checklist Item "gg"

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 ECR 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.
COUNTY ENGINEER

OWNER'S STATEMENT

I, THE OWNER/DEVELOPER HAVE READ AND WILL COMPLY WITH THE REQUIREMENTS OF THE GRADING AND EROSION CONTROL PLAN.

ENGINEER'S STATEMENT

THIS GRADING AND EROSION CONTROL PLAN WAS PREPARED UNDER MY DIRECTION AND SUPERVISION AND IS CORRECT TO THE BEST OF MY KNOWLEDGE AND BELIEF. SAID PLAN HAS BEEN PREPARED ACCORDING TO THE CRITERIA ESTABLISHED BY THE COUNTY FOR GRADING AND EROSION CONTROL PLANS. I ACCEPT RESPONSIBILITY FOR ANY LIABILITY CAUSED BY AN NEGLIGENT ACTS, ERRORS OR OMISSIONS ON MY PART IN PREPARING THIS PLAN.

COLLEEN P. MONAHAN, COLORADO P.E. NO. 0056067

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



Add text:
EDARP Filing Number 2321

DRAWN BY: ACH	JOB DATE: 1/8/2024	BAR IS ONE INCH ON OFFICIAL DRAWINGS.
APPROVED: CMM	JOB NUMBER: 201662.08	0
CAD DATE: 1/12/2024		IF NOT ONE INCH, ADJUST SCALE ACCORDINGLY.
CAD FILE: J:\2020\201662\CAD\DWG\CI\Eastonville_Road_662.08\Segment_1\CD\Road_CDs\Cover_N		

NO.	DATE	BY	REVISION DESCRIPTION

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

EASTONVILLE ROAD IMPROVEMENTS
DR. HORTON
EL PASO COUNTY, COLORADO

EASTONVILLE ROAD SEGEMENT 1 IMPROVEMENTS
COVER

SHEET
CS.1
1

HR GREEN xref: xpl-1-rd01; general_construction_notes; Signing_n; Striping_Notes; Standard_Elpasso; Signature; Blocker; Agency List; Grading; Plan_Legend_2; List_of_Abbreviations; EPC Parcels; x-row-662; x-dgn-662; Roundabout_Curb_Details; Bike_ramp_detail; Roadside_Swale

GENERAL NOTES:

- IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO VERIFY THE EXISTENCE AND LOCATION OF ALL UNDERGROUND UTILITIES ALONG THE ROUTE OF THE WORK. THE OMISSION FROM OR THE INCLUSION OF UTILITY LOCATIONS ON THE PLANS IS NOT TO BE CONSIDERED AS THE NONEXISTENCE OF OR A DEFINITE LOCATION OF EXISTING UNDERGROUND UTILITIES.
- THE CONTRACTOR WILL TAKE THE NECESSARY PRECAUTIONS TO PROTECT EXISTING UTILITIES FROM DAMAGE DUE TO THIS OPERATION. ANY DAMAGE TO THE UTILITIES WILL BE REPAIRED AT THE CONTRACTOR'S EXPENSE, AND ANY SERVICE DISRUPTION WILL BE SETTLED BY THE CONTRACTOR.
- ADDITIONAL EROSION CONTROL STRUCTURES MAY BE REQUIRED AT THE TIME OF CONSTRUCTION
- ALL BACKFILL, SUB-BASE, AND/OR BASE COURSE (CLASS 6) MATERIAL SHALL BE COMPACTED PER THE SOILS ENGINEER'S RECOMMENDATIONS AND APPROVED BY EL PASO COUNTY PCD.
- ALL STATIONING IS CENTERLINE OF IMPROVEMENTS UNLESS OTHERWISE INDICATED. ALL ELEVATIONS ARE FLOW LINE UNLESS OTHERWISE INDICATED AS TOP BACK OF CURB (TBC), ASPHALT (ASP), OR TOP OF INLET OR BOX (TOB).
- ALL DISTURBED PAVEMENT EDGES SHALL BE CUT TO NEAT LINES. REPAIR SHALL CONFORM TO EPC ECM APPENDIX K - 1.2C
- ALL INTERSECTION ACCESSES TO BE CONSTRUCTED WITH A 25 FOOT SIGHT VISIBILITY TRIANGLES EXCEPT [VOLLMER ROAD, MARKSHEFFEL ROAD, BRAIRGATE PARKWAY] WHICH IS AN ARTERIAL AND A 50 FOOT SIGHT VISIBILITY TRIANGLE IS REQUIRED AND THERE SHALL BE NO OBSTRUCTIONS GREATER THAN 18" IN THIS AREA.
- ALL CULVERTS AND STORM DRAIN PIPES SHALL BE SMOOTH INTERIOR CORRUGATED POLYETHYLENE PIPE (HDPE), REINFORCED CONCRETE PIPE (RCP). ALL CULVERTS SHALL BE PLACED COMPLETE WITH FLARED END SECTIONS. ADEQUACY OF MATERIAL THICKNESS FOR ANY CSP INSTALLED SHALL BE VERIFIED BY OWNER'S GEOTECHNICAL ENGINEER TO SUPPORT MINIMUM 50 YEAR DESIGN LIFE. CULVERTS MUST CONFORM TO EPC ECM SECTION 3.32 - CULVERTS.
- ASPHALT THICKNESS AND BASE COURSE THICKNESS (COMPACTED) FOR ROADS SHALL BE PER DESIGN REPORT BY OWNER'S GEOTECHNICAL ENGINEER. OWNER'S GEOTECHNICAL ENGINEER TO BE ON SITE AT THE TIME OF ROAD CONSTRUCTION TO EVALUATE SOIL CONDITIONS AND DETERMINE IF ADDITIONAL MEASURES ARE NECESSARY TO ASSURE STABILITY OF THE NEW ROADS. PAVEMENT DESIGN SHALL BE APPROVED BY EL PASO COUNTY **PLANNING AND COMMUNITY DEVELOPMENT** ENGINEERING DIVISION PRIOR TO CONSTRUCTION.

SIGNING AND STRIPING NOTES:

- ALL SIGNS AND PAVEMENT MARKINGS SHALL BE IN COMPLIANCE WITH THE CURRENT MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES (MUTCD).
- REMOVAL OF EXISTING PAVEMENT MARKINGS SHALL BE ACCOMPLISHED BY A METHOD THAT DOES NOT MATERIALLY DAMAGE THE PAVEMENT. THE PAVEMENT MARKINGS SHALL BE REMOVED TO THE EXTENT THAT THEY WILL NOT BE VISIBLE UNDER DAY OR NIGHT CONDITIONS. AT NO TIME WILL IT BE ACCEPTABLE TO PAINT OVER EXISTING PAVEMENT MARKINGS.
- ANY DEVIATION FROM THE STRIPING AND SIGNING PLAN SHALL BE APPROVED BY EL PASO COUNTY PCD.
- EXISTING SIGNS MAY REMAIN OR BE REUSED IF THEY MEET CURRENT EL PASO COUNTY AND MUTCD STANDARDS.
- STREET NAME AND REGULATORY STOP SIGNS SHALL BE ON THE SAME POST AT INTERSECTIONS.
- ALL REMOVED SIGNS SHALL BE DISPOSED OF IN A PROPER MANNER BY THE CONTRACTOR.
- ALL STREET NAME SIGNS SHALL HAVE "D" SERIES LETTERS, WITH LOCAL ROADWAY SIGNS BEING 4" UPPER-LOWER CASE LETTERING ON 8" BLANK AND NON-LOCAL ROADWAY SIGNS BEING 6" LETTERING, UPPER-LOWER CASE ON 12" BLANK, WITH A WHITE BORDER THAT IS NOT RECESSED. MULTI-LANE ROADWAYS WITH SPEED LIMITS OF 40 MPH OR HIGHER SHALL HAVE 8" UPPER-LOWER CASE LETTERING ON 11- 18" BLANK WITH A WHITE BORDER THAT IS NOT RECESSED. THE WIDTH OF THE NON-RECESSED WHITE BORDERS SHALL MATCH PAGE 255 OF THE 2012 MUTCD "STANDARD HIGHWAY SIGNS".
- ALL TRAFFIC SIGNS SHALL HAVE A MINIMUM HIGH INTENSITY PRISMATIC GRADE SHEETING.
- ALL LOCAL RESIDENTIAL STREET SIGNS SHALL BE MOUNTED ON A 1.75" X 1.75" SQUARE TUBE SIGN POST AND STUB POST BASE. FOR 13 OTHER APPLICATIONS, REFER TO THE CDOT STANDARD S-614-8 REGARDING USE OF THE P2 TUBULAR STEEL POST SLIPBASE DESIGN.
- ALL SIGNS SHALL BE SINGLE SHEET ALUMINUM WITH 0.100" MINIMUM THICKNESS.
- ALL LIMIT LINES/STOP LINES, CROSSWALK LINES, PAVEMENT LEGENDS, AND ARROWS SHALL BE A MINIMUM 125 MIL THICKNESS PREFORMED THERMOPLASTIC PAVEMENT MARKINGS WITH TAPERED LEADING EDGES PER CDOT STANDARD S-627-1. WORD AND SYMBOL MARKINGS SHALL BE THE NARROW TYPE. STOP BARS SHALL BE 24" IN WIDTH. CROSSWALK LINES SHALL BE 12" WIDE AND 8' LONG PER CDOT S-627-1.
- ALL LONGITUDINAL LINES SHALL BE A MINIMUM 15MIL THICKNESS EPOXY PAINT. ALL NON-LOCAL RESIDENTIAL ROADWAYS SHALL INCLUDE BOTH RIGHT AND LEFT EDGE LINE STRIPING AND ANY ADDITIONAL STRIPING AS REQUIRED BY CDOT S-627-1.
- THE CONTRACTOR SHALL NOTIFY EL PASO COUNTY **PLANNING AND COMMUNITY DEVELOPMENT** (719) 520-6819 PRIOR TO AND UPON COMPLETION OF SIGNING AND STRIPING.
- THE CONTRACTOR SHALL OBTAIN A WORK IN THE RIGHT OF WAY PERMIT FROM THE EL PASO COUNTY DPW PRIOR TO ANY SIGNAGE OR STRIPING WORK WITHIN AN EXISTING EL PASO COUNTY ROADWAY.

STANDARD NOTES

FOR EL PASO COUNTY CONSTRUCTION PLANS:

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

Delete "PCD"

LEGEND

	EXISTING	PROPOSED		EXISTING	PROPOSED
MATCH LINE	---	---	STORM SEWER	⊕	⊕
PHASE LINE	---	---	MANHOLE	⊕	⊕
SECTION LINE	---	---	STORM INLET	⊕	⊕
PROPERTY BOUNDARY	---	---	FLARED END SECTION	⊕	⊕
PROPERTY LINE	---	---	RIPRAP	⊕	⊕
EASEMENT LINE	---	---	SANITARY SEWER	⊕	⊕
RIGHT OF WAY	---	---	CLEAN OUT	⊕	⊕
CENTERLINE	---	---	MANHOLE	⊕	⊕
CHAIN LINK FENCE	---	---	PLUG	⊕	⊕
WOODEN FENCE	---	---	WATER	⊕	⊕
SPLIT RAIL FENCE	---	---	FIRE HYDRANT	⊕	⊕
GUARDRAIL	---	---	FIRE DEPT. CONNECTION	⊕	⊕
CABLE TV	---	---	GATE VALVE	⊕	⊕
U.G. ELECTRIC	---	---	MANHOLE	⊕	⊕
OVERHEAD ELECTRIC	---	---	METER	⊕	⊕
FIBER OPTIC	---	---	TEE	⊕	⊕
GAS MAIN	---	---	REDUCER	⊕	⊕
SANITARY SEWER	---	---	DRY UTILITIES	⊕	⊕
STORM DRAIN	---	---	ELECTRIC METER	⊕	⊕
TELEPHONE	---	---	ELECTRIC PEDESTAL	⊕	⊕
WATER MAIN	---	---	ELECTRICAL CABINET	⊕	⊕
SWALE	---	---	ELECTRIC VAULT	⊕	⊕
TRAIL	---	---	FIBER OPTIC PULL BOX	⊕	⊕
CURB & GUTTER	---	---	FIBER OPTIC MANHOLE	⊕	⊕
DRAINAGE BASIN	---	---	FIBER OPTIC PEDESTAL	⊕	⊕
INDEX CONTOUR	---	---	FIBER OPTIC SIGN	⊕	⊕
INTER. CONTOUR	---	---	FIBER OPTIC VAULT	⊕	⊕
100-YR FLOODPLAIN	---	---	GAS METER	⊕	⊕
FLOODWAY	---	---	GAS SIGN	⊕	⊕
TRAIL	---	---	GAS VAULT	⊕	⊕
PARK	---	---	TELEPHONE CABINET	⊕	⊕
EDGE OF WETLANDS	---	---	TELEPHONE MANHOLE	⊕	⊕
DRAINAGE	---	---	TELEPHONE SIGNAL/MAST	⊕	⊕
DRAINAGE BASIN	---	---	TELEPHONE SIGN	⊕	⊕
BASIN TAG	---	---	TELEPHONE PEDESTAL	⊕	⊕
DESIGN POINT	---	---	TRANSFORMER	⊕	⊕
			LIGHT POLE	⊕	⊕
			FIBER OPTIC VAULT	⊕	⊕

LIST OF ABBREVIATIONS

- SHT - SHEET
- Δ - DEFLECTION ANGLE
- L - LENGTH
- R - RADIUS
- CB - CHORD BEARING
- C - CHORD LENGTH
- N - NORTH/NORTHING
- W - WEST
- E - EAST/EASTING
- S - SOUTH
- DET - DETAIL
- EX - EXISTING
- W/ - WITH
- PC - POINT OF CURVATURE/PORTLAND CEMENT
- WWF - WELDED WIRE FABRIC
- VERT - VERTICAL
- OC - ON CENTER
- FDC - FIRE DEPARTMENT CONNECTION
- CT - COURT
- DR - DRIVE
- TYP - TYPICAL
- REC - RECEPTION NUMBER
- Ø, DIA - DIAMETER
- PT - POINT OF TANGENCY
- MIN - MINIMUM
- MAX - MAXIMUM
- HDPE - HIGH DENSITY POLYETHYLENE



DRAWN BY: ACH	JOB DATE: 1/8/2024	BAR IS ONE INCH ON OFFICIAL DRAWINGS:
APPROVED: CMM	JOB NUMBER: 201662.08	0
CAD DATE: 1/12/2024		IF NOT ONE INCH, ADJUST SCALE ACCORDINGLY.
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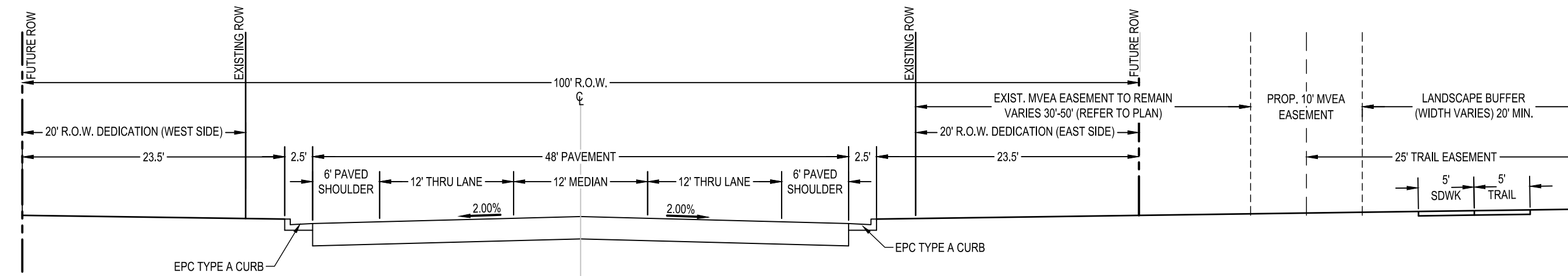
NO.	DATE	BY	REVISION DESCRIPTION

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

EASTONVILLE ROAD IMPROVEMENTS
DR. HORTON
 EL PASO COUNTY, COLORADO

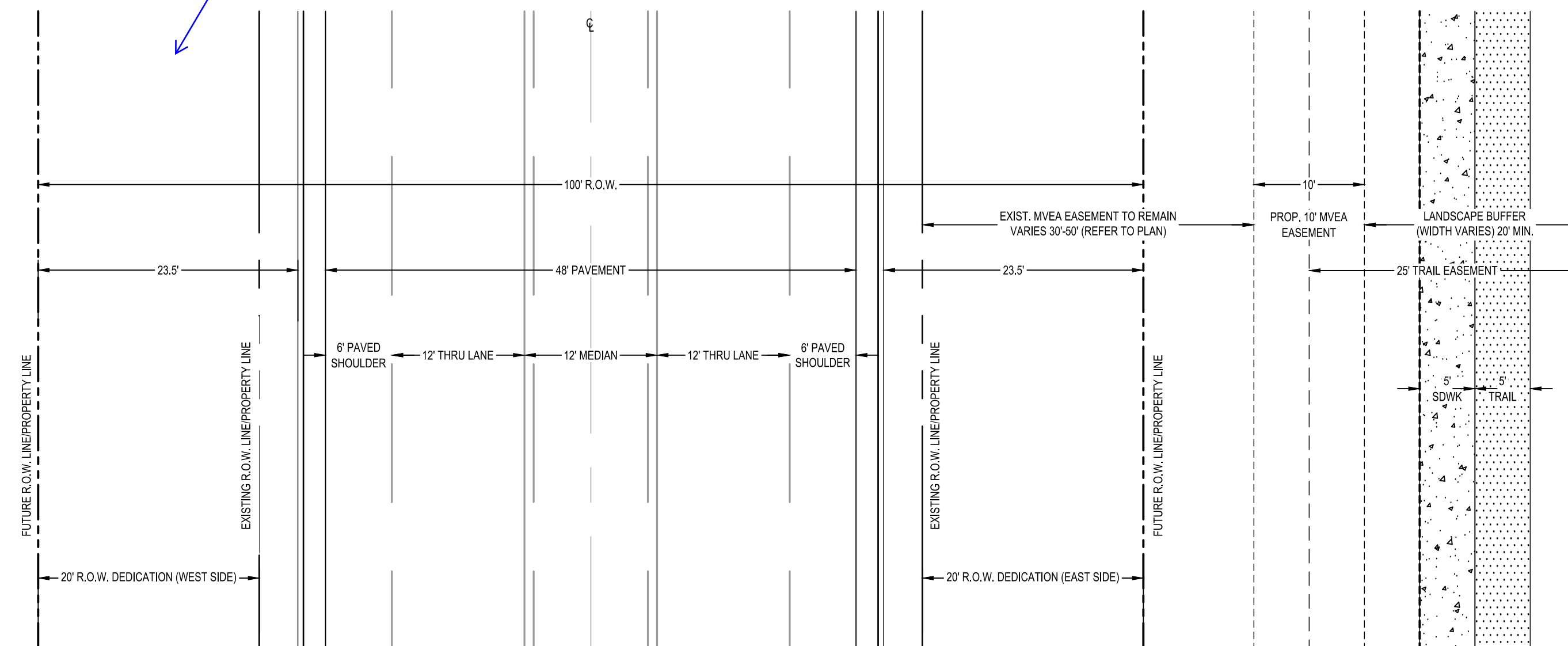
EASTONVILLE ROAD SEGEMENT 1 IMPROVEMENTS
 NOTES & LEGEND

SHEET
GN.1
 2



Show existing MVEA easement?

**EASTONVILLE RD ULTIMATE CROSS SECTION
(MODIFIED MINOR ARTERIAL)**



**EASTONVILLE RD ULTIMATE CROSS SECTION
(MODIFIED MINOR ARTERIAL)**

DRAWN BY: ACH JOB DATE: 1/2/2024
 APPROVED: CMM JOB NUMBER: 201662.08
 CAD DATE: 1/12/2024
 CAD FILE: J:\2020\201662\CAD\Drawings\Eastonville_Road_662.08\Segment_1\CD\Road_CDs\Typ_Road

BAR IS ONE INCH ON OFFICIAL DRAWINGS.
 0 1"
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EASTONVILLE ROAD IMPROVEMENTS
DR. HORTON
 EL PASO COUNTY, COLORADO

EASTONVILLE ROAD SEGEMENT 1 IMPROVEMENTS
 TYPICAL ROAD SECTIONS

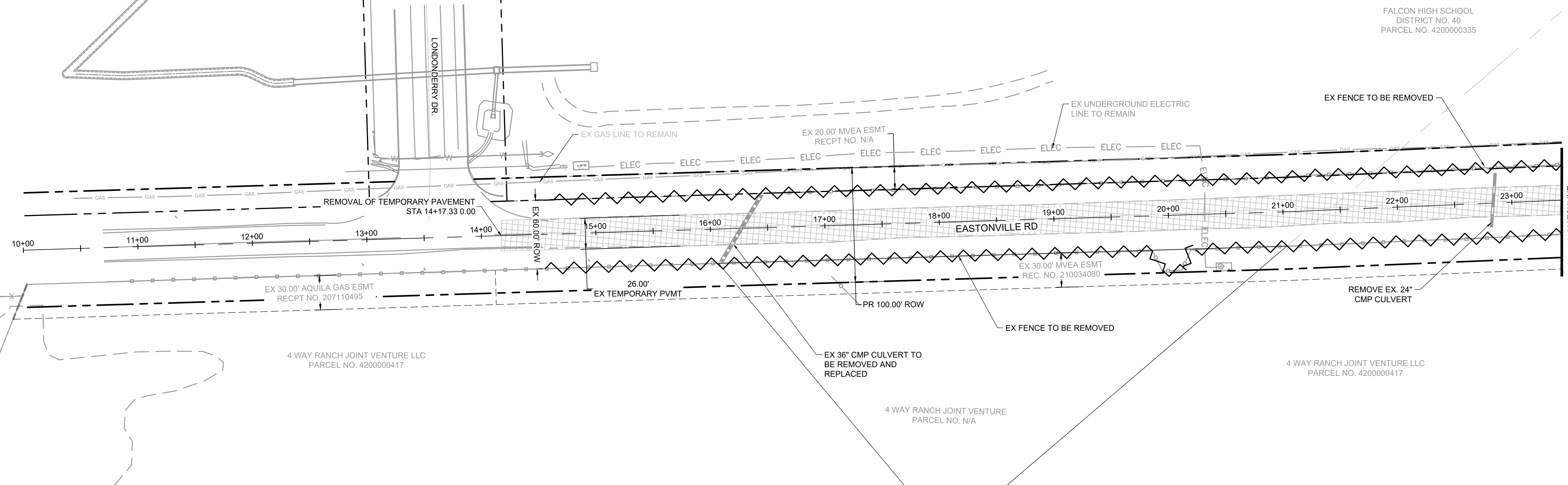
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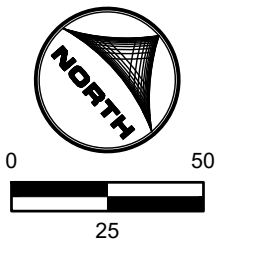
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Label as "existing Pond E from SF182"

FALCON HIGH SCHOOL
DISTRICT NO. 40
PARCEL NO. 420000335

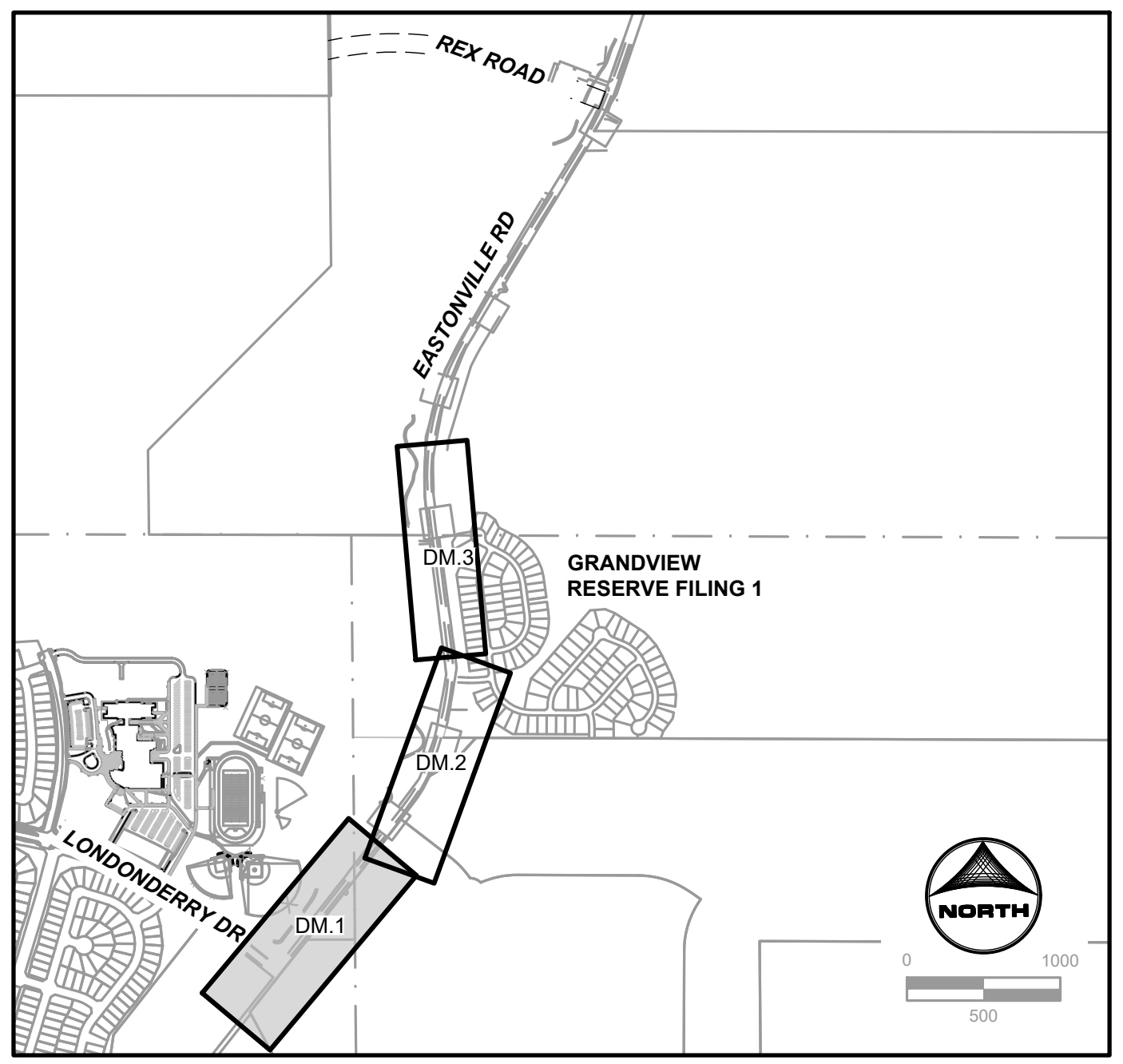


MATCHLINE
STA. 23+50
SEE SHEET 5



LEGEND:

- TEMPORARY PAVEMENT TO BE REMOVED
- FENCE LINE TO BE REMOVED
- ELECTRIC LINE TO BE UNDERGROUNDED
- PROPOSED ROW



KEYMAP

DRAWN BY: ACH JOB DATE: 1/9/2024
 APPROVED: CPM JOB NUMBER: 201662.08
 CAD DATE: 1/12/2024
 CAD FILE: J:\2020\201662\CAD\Drawings\CI\Eastonville_Road_662.08\Segment_1\CD\Road_CDs\Demo_Plan

BAR IS ONE INCH ON
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0 1" = 1"
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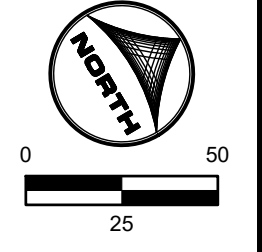
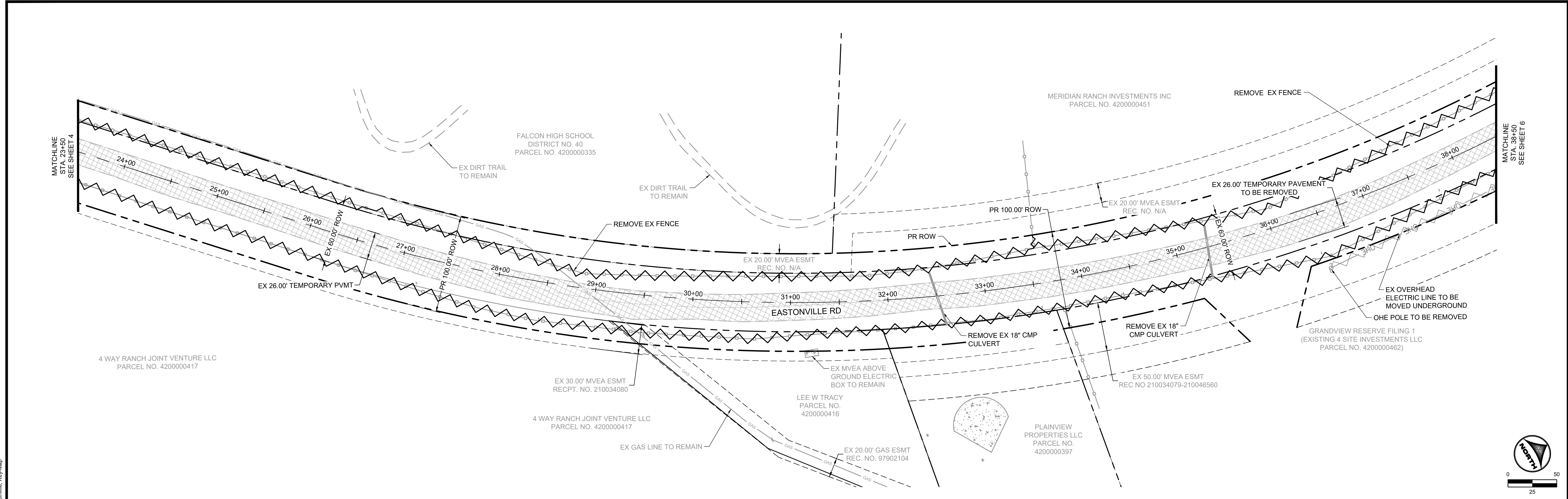
HRGreen
 HR GREEN - COLORADO SPRINGS
 1975 RESEARCH PARKWAY SUITE 230
 COLORADO SPRINGS CO 80920
 PHONE: 719.300.4140
 FAX: 719.965.0044

EASTONVILLE ROAD IMPROVEMENTS
DR. HORTON
 EL PASO COUNTY, COLORADO

EASTONVILLE ROAD SEGEMENT 1 IMPROVEMENTS
 DEMOLITION PLAN

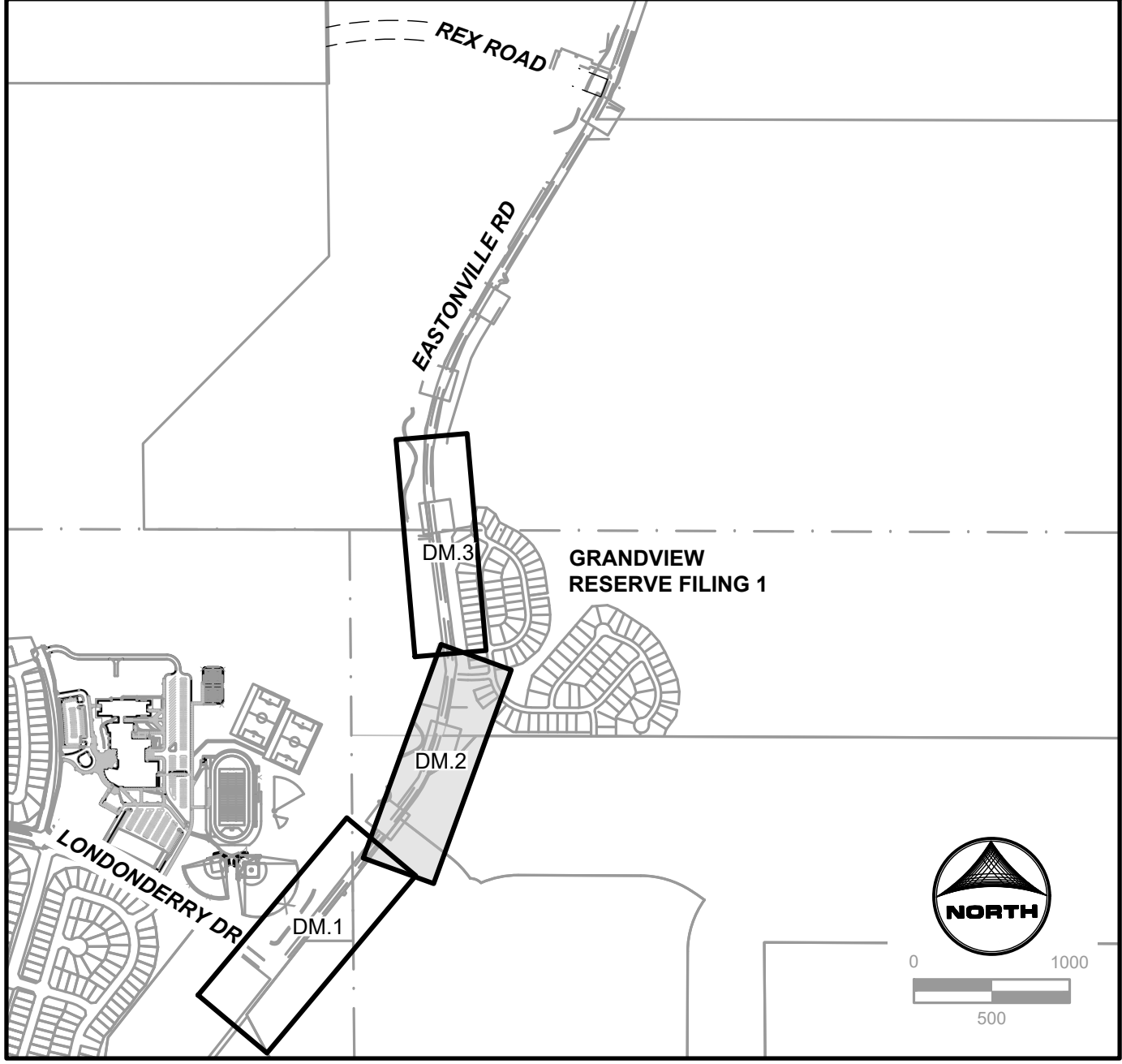
SHEET
DM.1
 4

HR GREEN File: 01-xc-rw; HRC1.20X; EBase: xv-rw-662.08; Eastonville; xv-dsgn-089; xgf-1-dm01; 01-xc-pr; 100YR; FP; DELINEATION; A; xgf-1-dm01; CD; Road; PNF; xv-ull; 662; xv-rw; 662.08; Eastonville; Key-Map



LEGEND:

	TEMPORARY PAVEMENT TO BE REMOVED
	FENCE LINE TO BE REMOVED
	ELECTRIC LINE TO BE UNDERGROUNDED
	PROPOSED ROW



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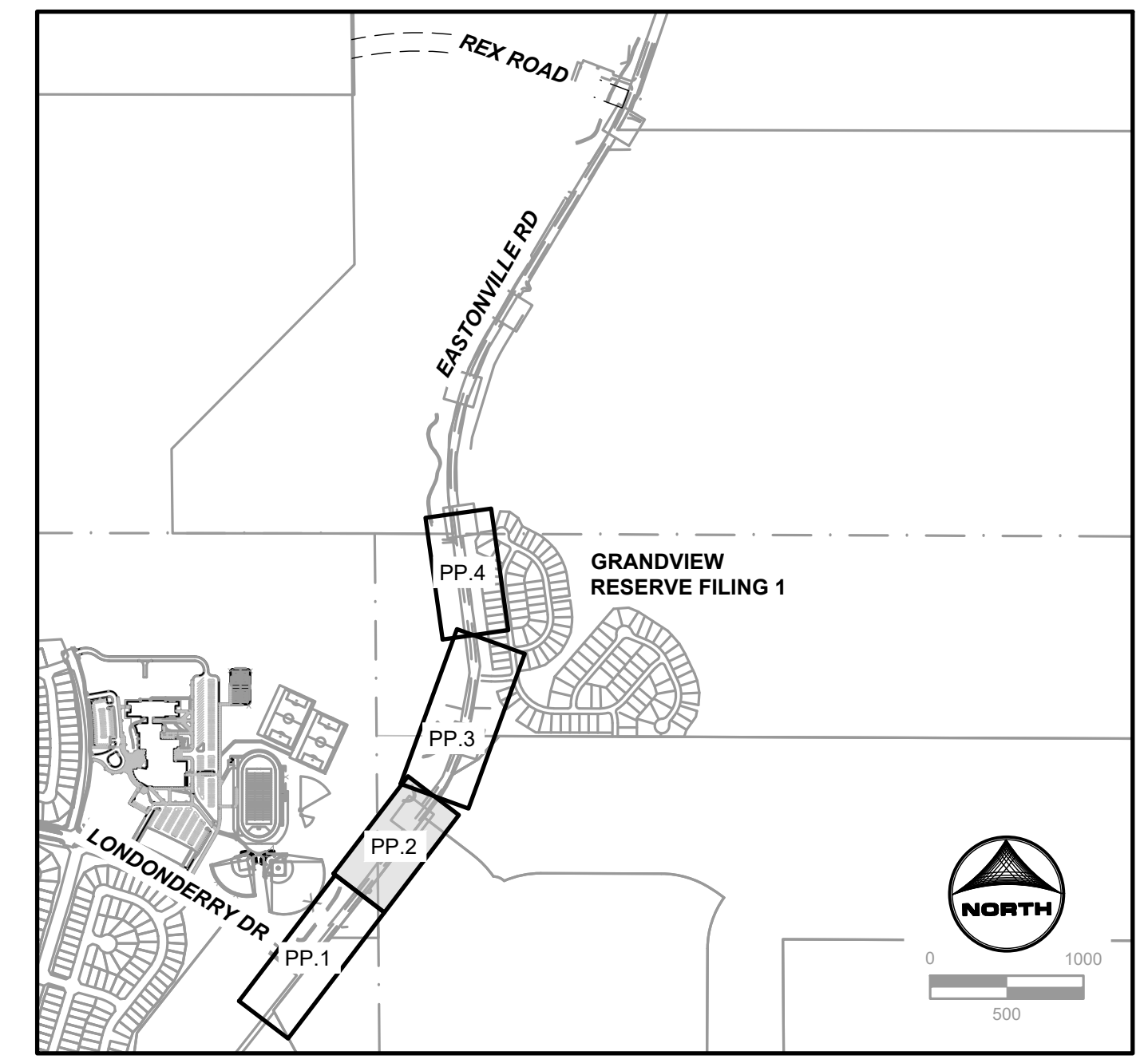
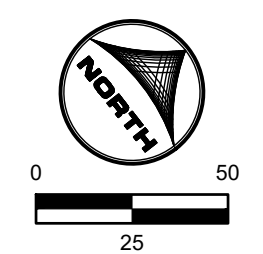
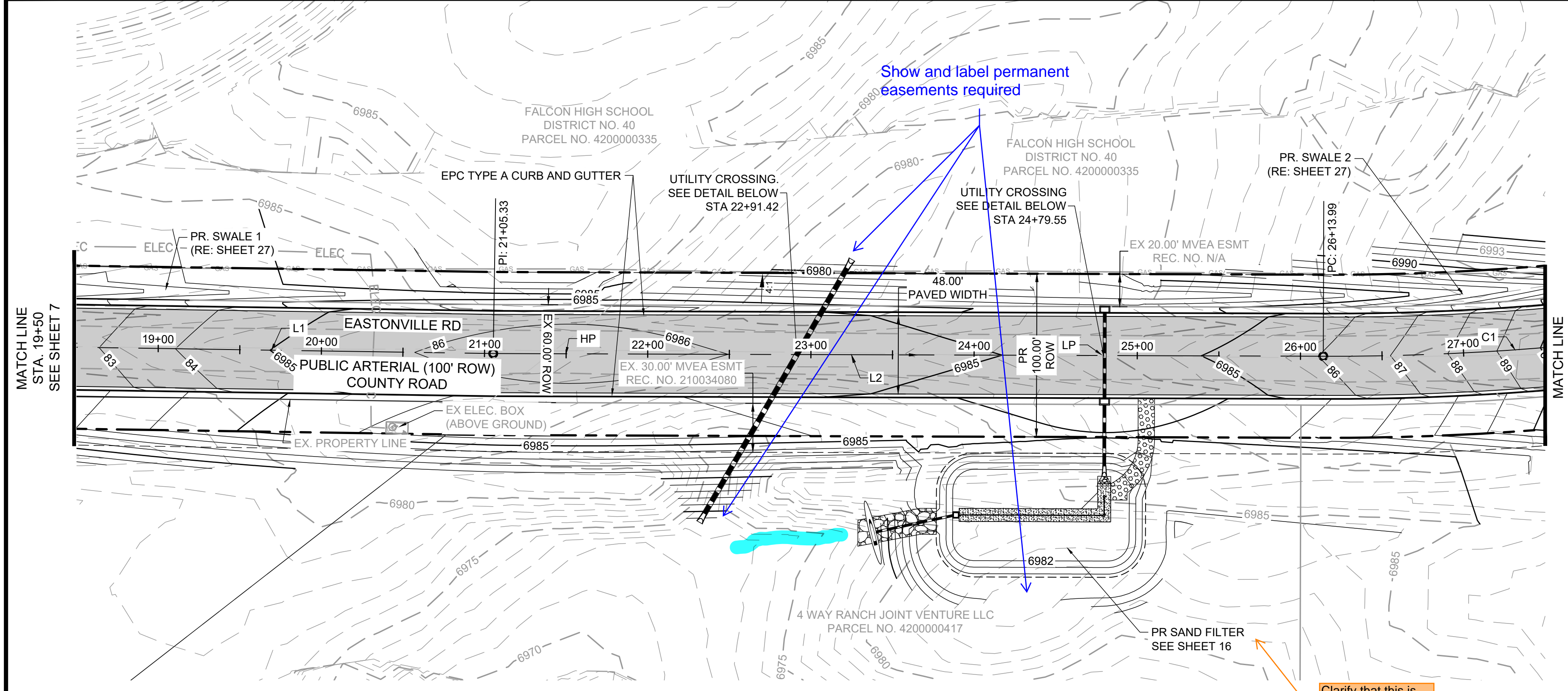
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DR. HORTON
 EL PASO COUNTY, COLORADO

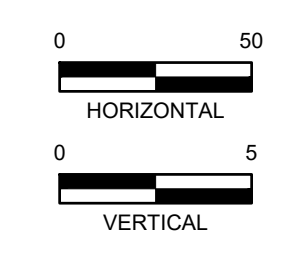
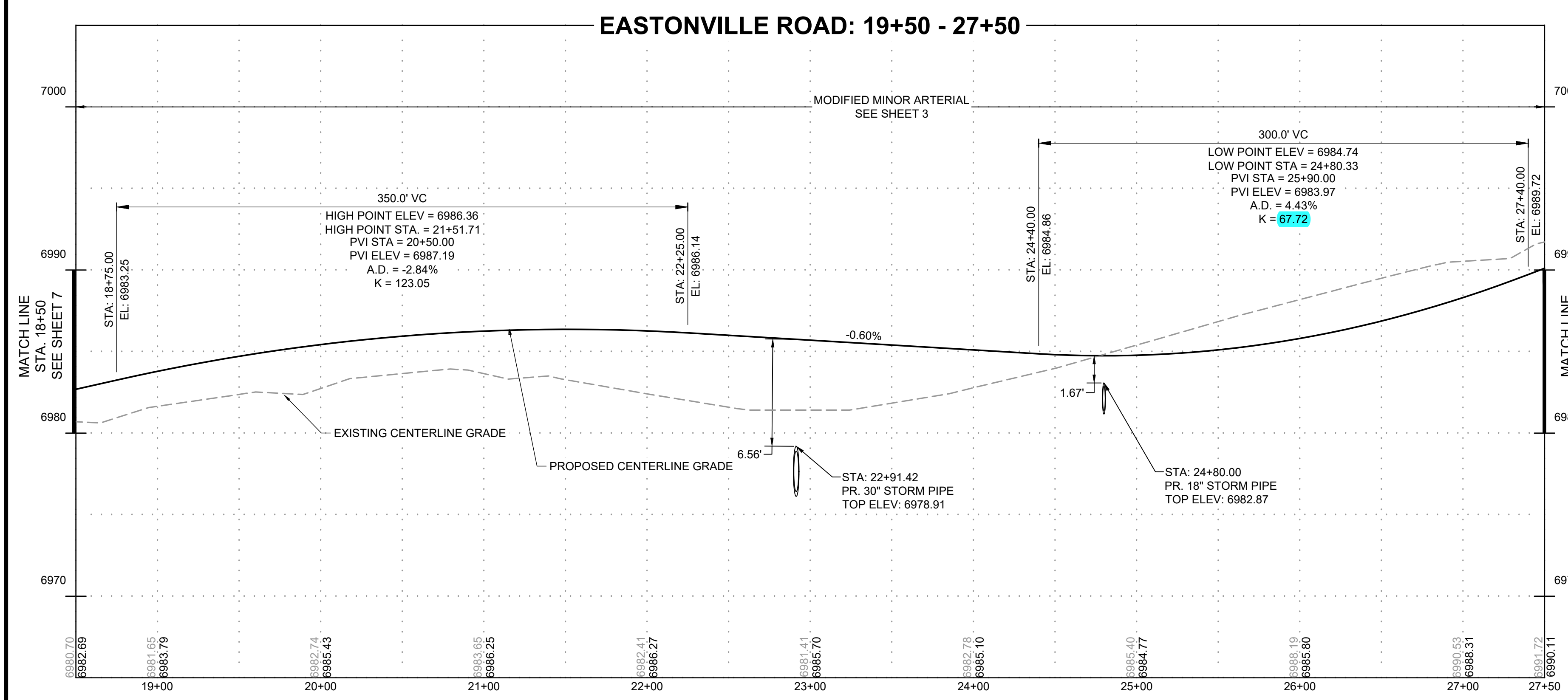
EASTONVILLE ROAD SEGEMENT 1 IMPROVEMENTS
 DEMOLITION PLAN

SHEET
DM.2 **5**

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




KEYMAP



Line Table			Curve Table			
Line #	Length	Direction	Curve #	Length	Radius	Delta
L1	460.78	N 38°15'31" E	C1	1263.66	1600.00	45°15'05"

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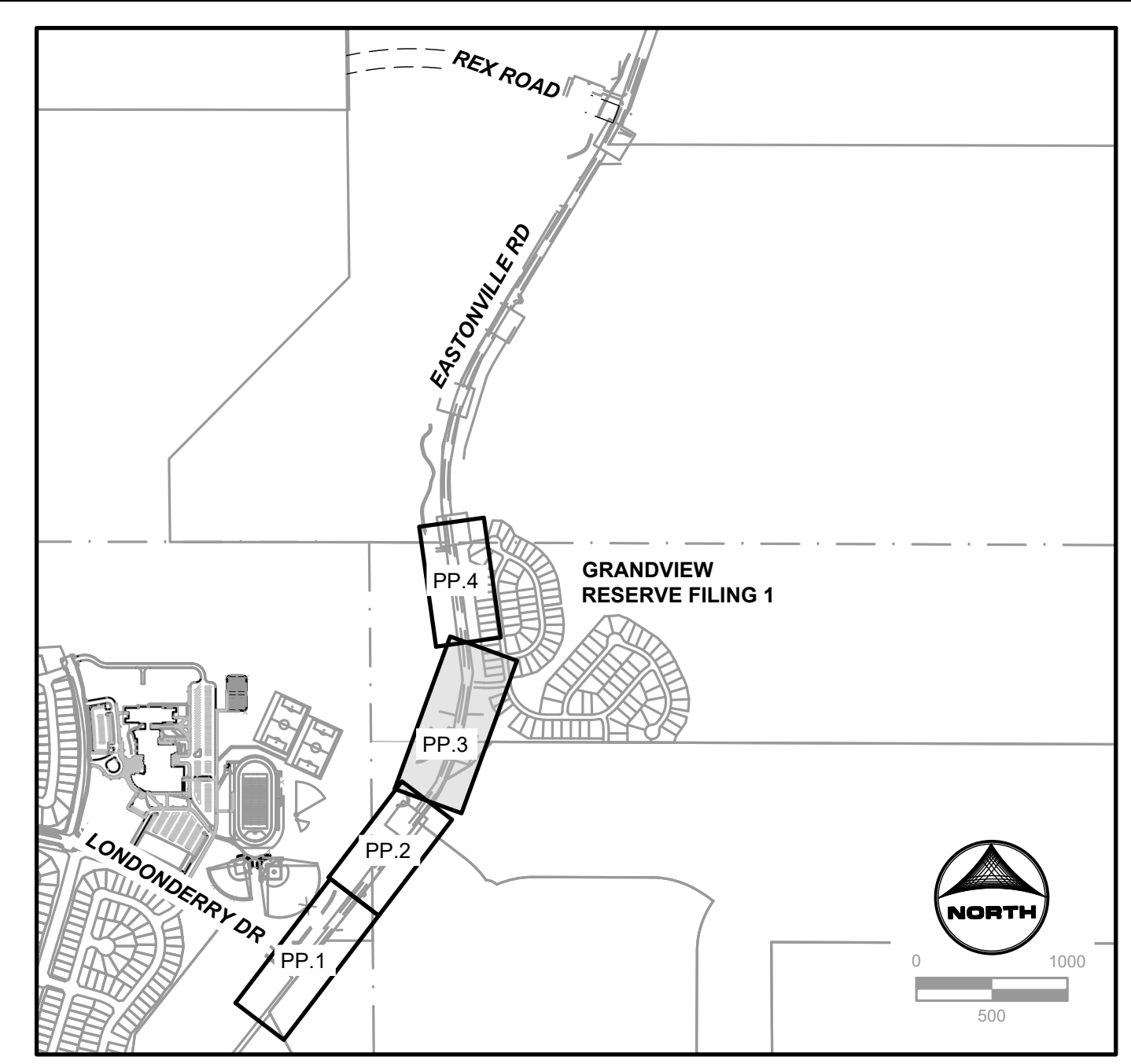
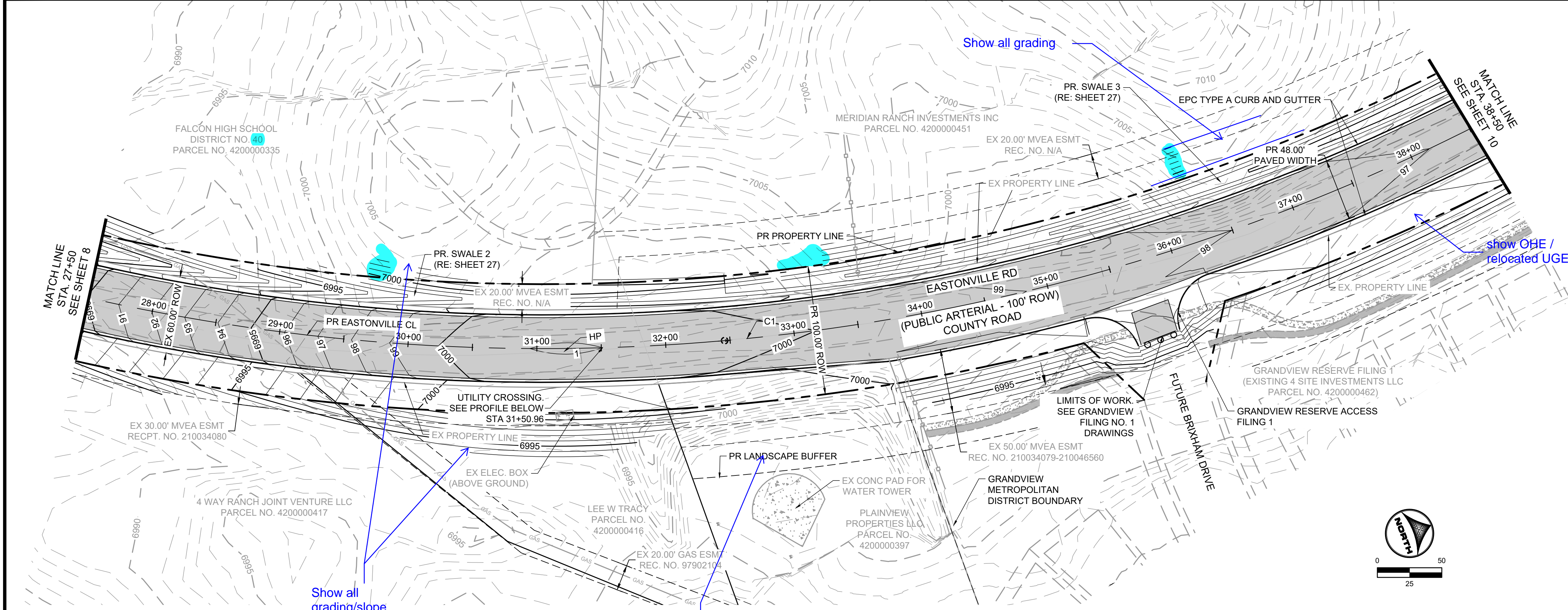

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DR. HORTON
 EL PASO COUNTY, COLORADO

EASTONVILLE ROAD SEGEMENT 1 IMPROVEMENTS
 PLAN & PROFILE

SHEET
PP.2 **8**

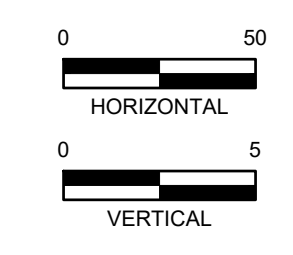
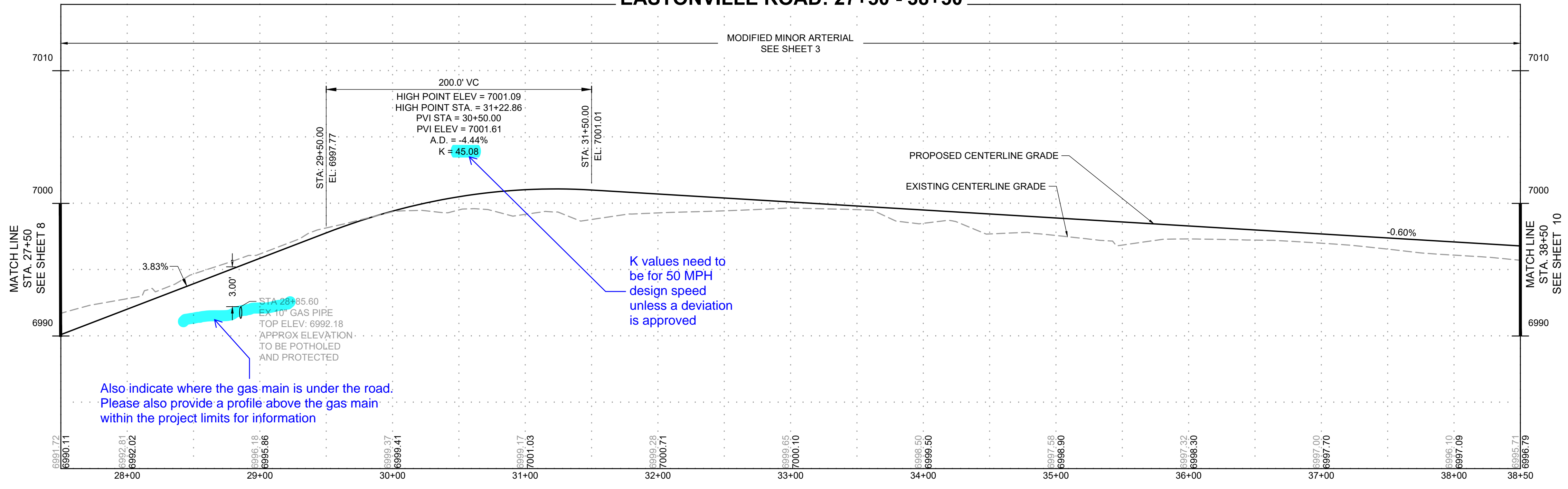




Curve Table

Curve #	Length	Radius	Delta
C1	1263.66	1600.00	45°15'05"

EASTONVILLE ROAD: 27+50 - 38+50



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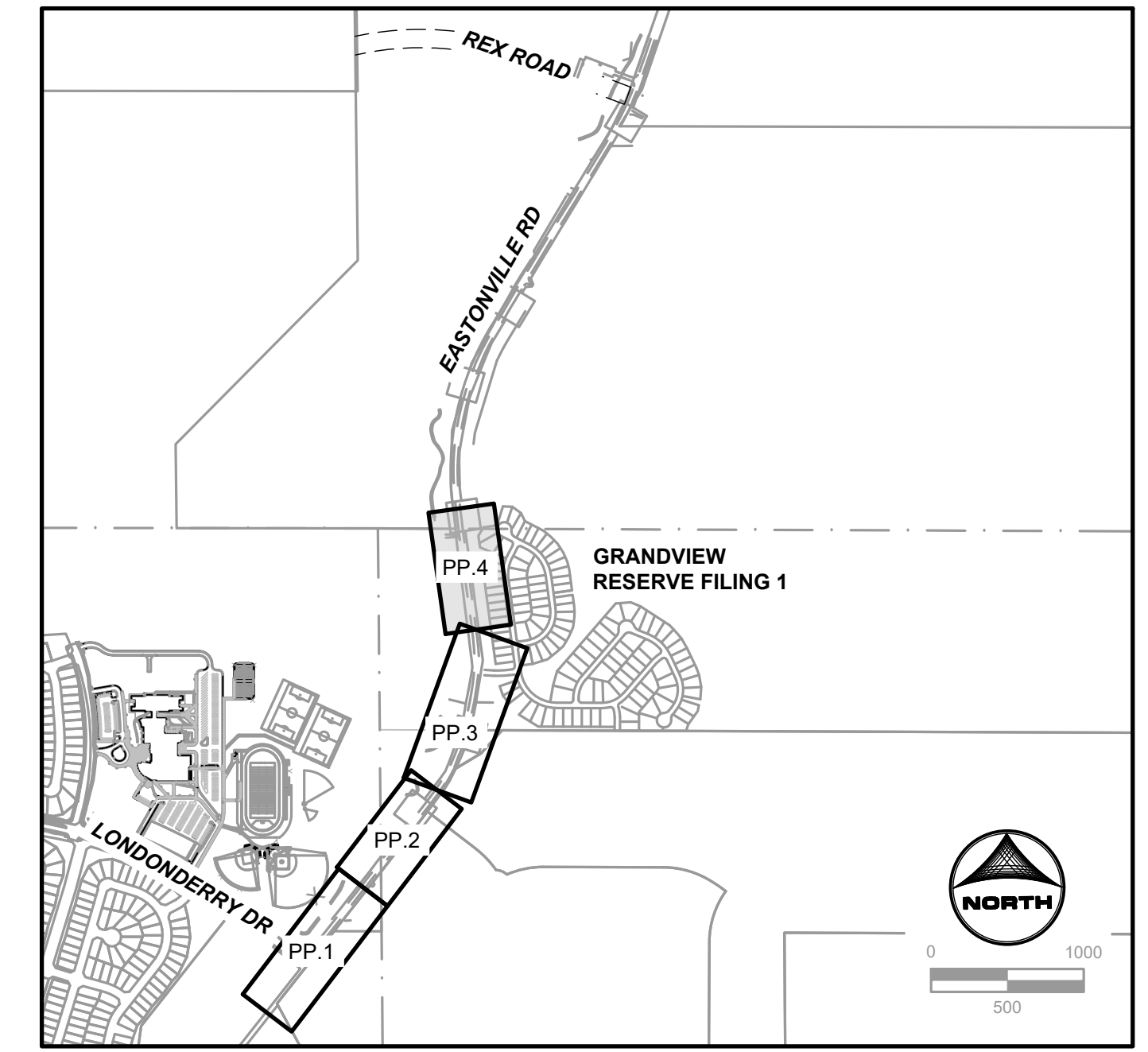
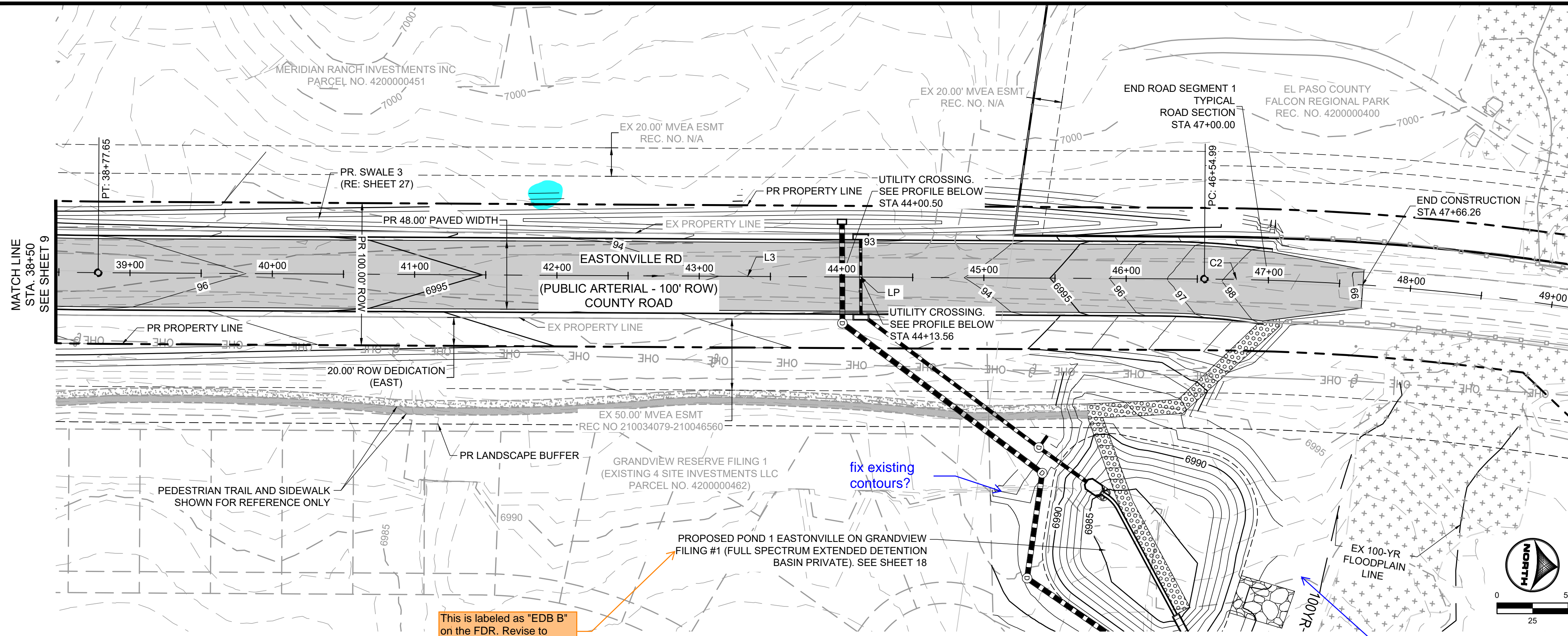
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EASTONVILLE ROAD IMPROVEMENTS
DR. HORTON
 EL PASO COUNTY, COLORADO

EASTONVILLE ROAD SEGEMENT 1 IMPROVEMENTS
 PLAN & PROFILE

SHEET
PP.3
9



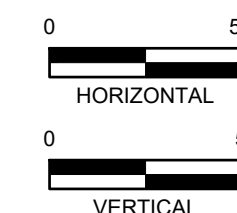
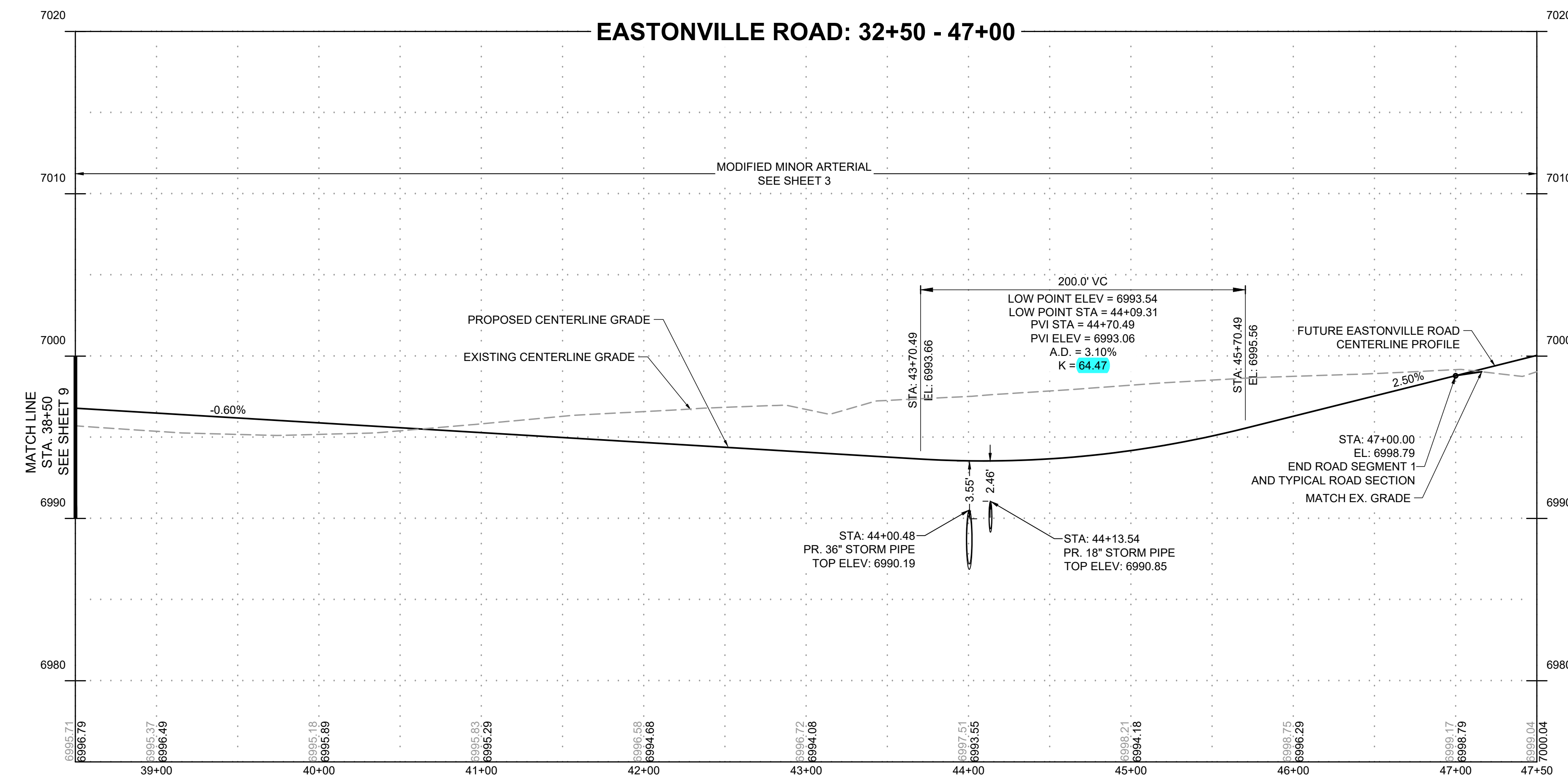
KEYMAP

Line Table			Curve Table			
Line #	Length	Direction	Curve #	Length	Radius	Delta
L3	777.34	N 7°40'18" W	C2	45.01	1800.00	1°25'58"

This is labeled as "EDB B" on the FDR. Revise to remove discrepancy.

fix existing contours?

sow all easements



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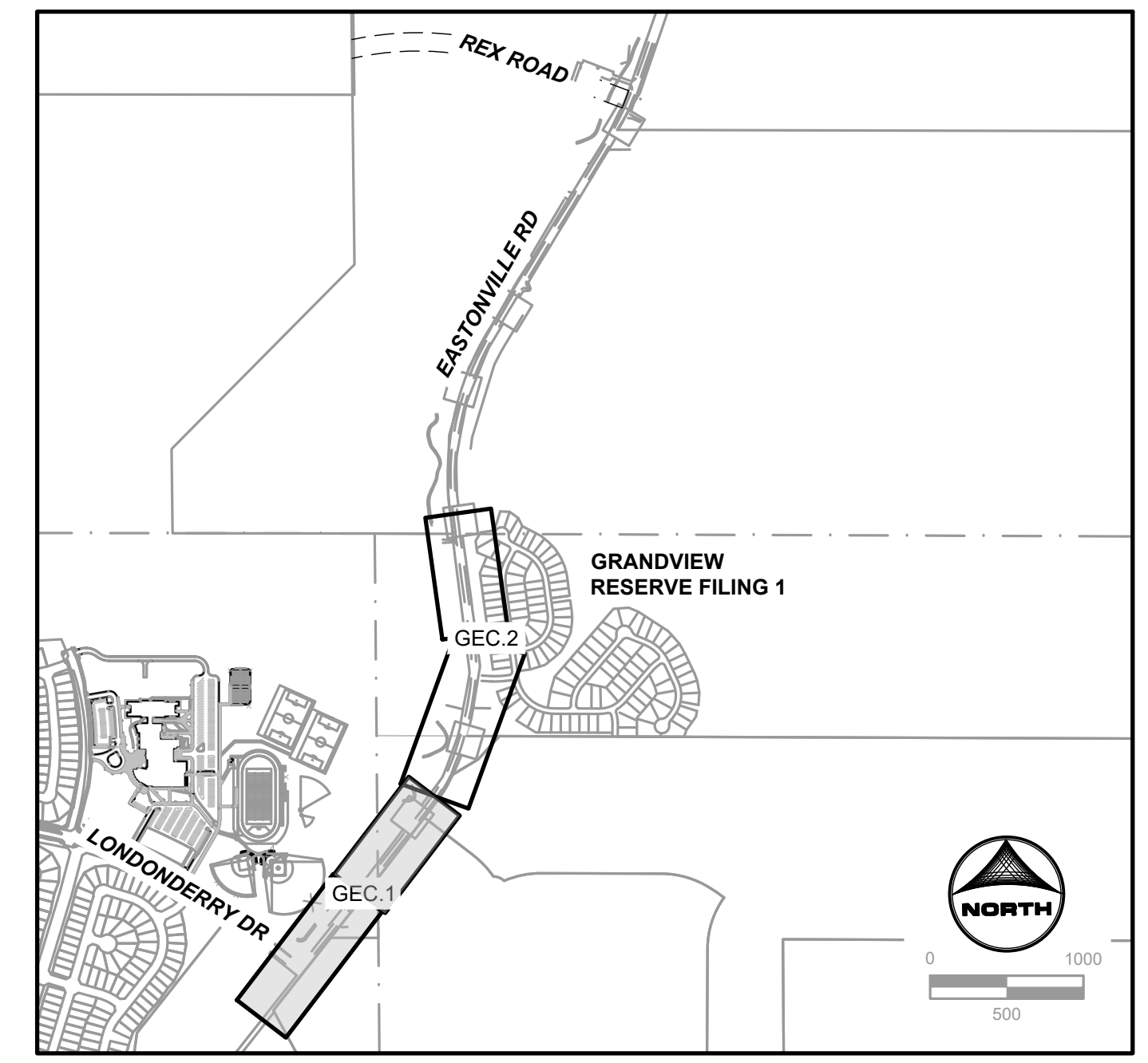
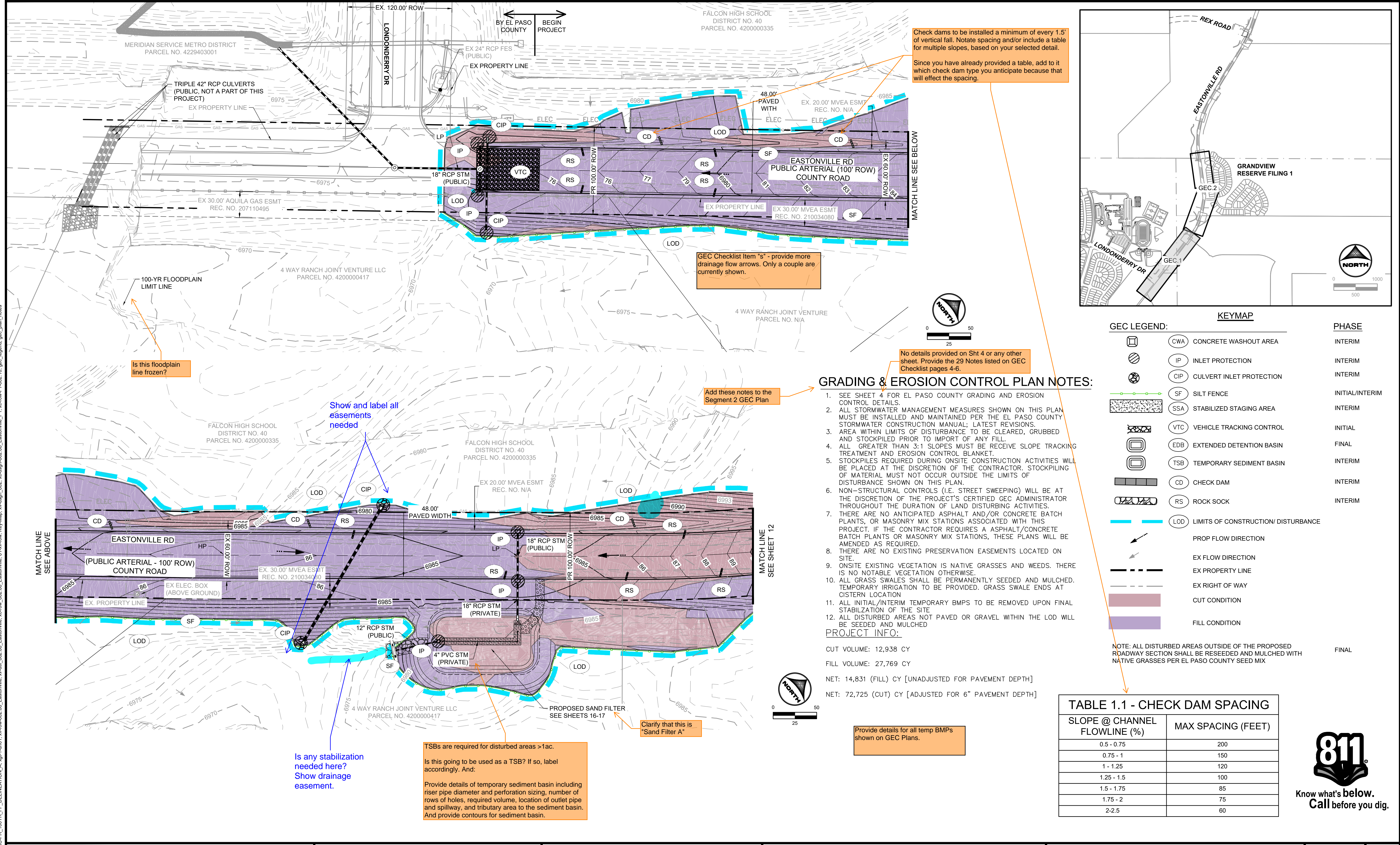
EASTONVILLE ROAD IMPROVEMENTS
DR. HORTON
 EL PASO COUNTY, COLORADO

EASTONVILLE ROAD SEGEMENT 1 IMPROVEMENTS
 PLAN & PROFILE

SHEET
PP.4
 10



Know what's below.
 Call before you dig.



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 RESEEDED AND MULCHED WITH NATIVE GRASSES PER EL PASO COUNTY SEED MIX

GRADING & EROSION CONTROL PLAN NOTES:

- SEE SHEET 4 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 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 SEEDDED 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 SEEDDED AND MULCHED
- PROJECT INFO:**
- CUT VOLUME: 12,938 CY
 FILL VOLUME: 27,769 CY
 NET: 14,831 (FILL) CY [UNADJUSTED FOR PAVEMENT DEPTH]
 NET: 72,725 (CUT) CY [ADJUSTED FOR 6" PAVEMENT DEPTH]

TABLE 1.1 - 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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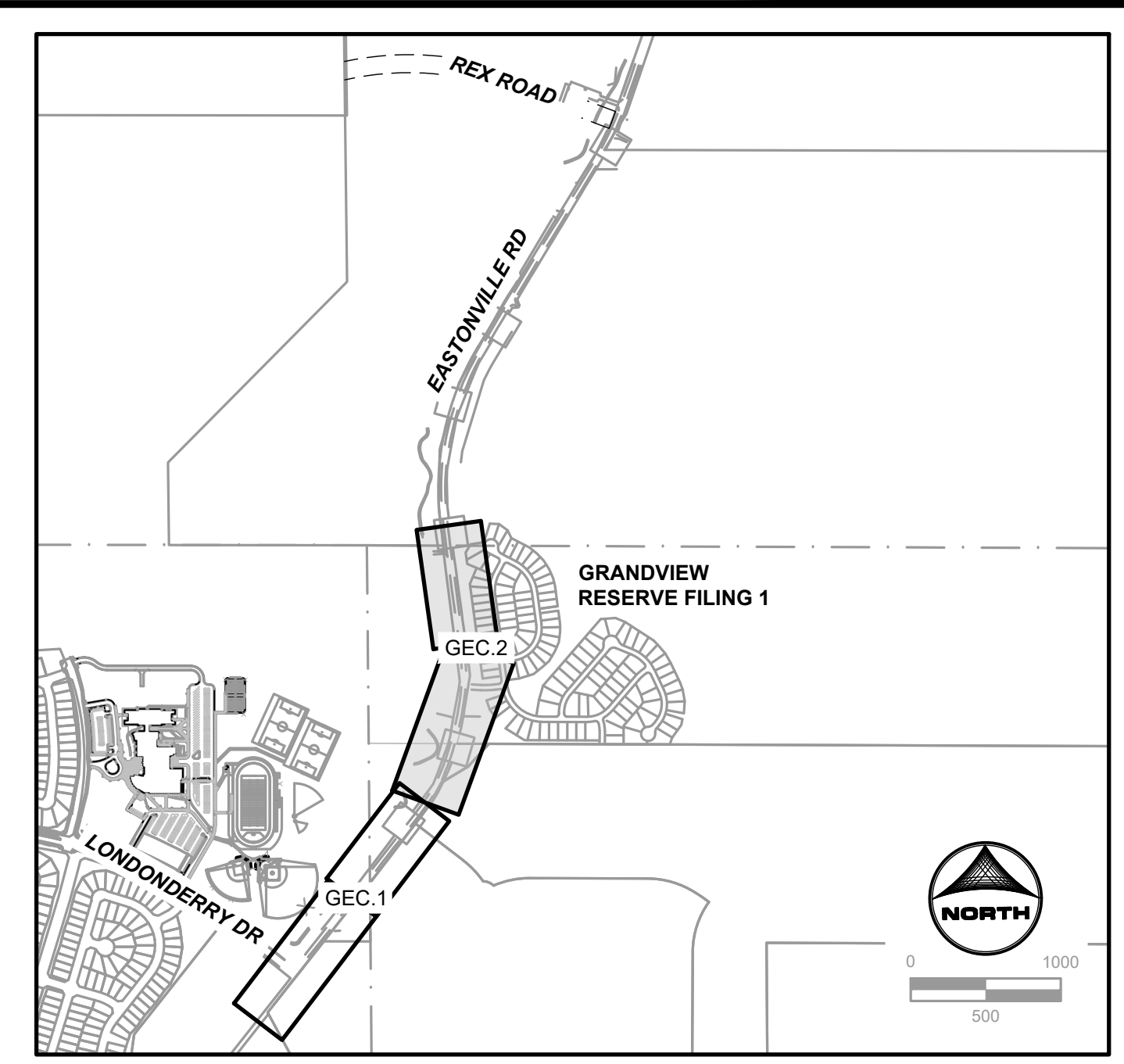
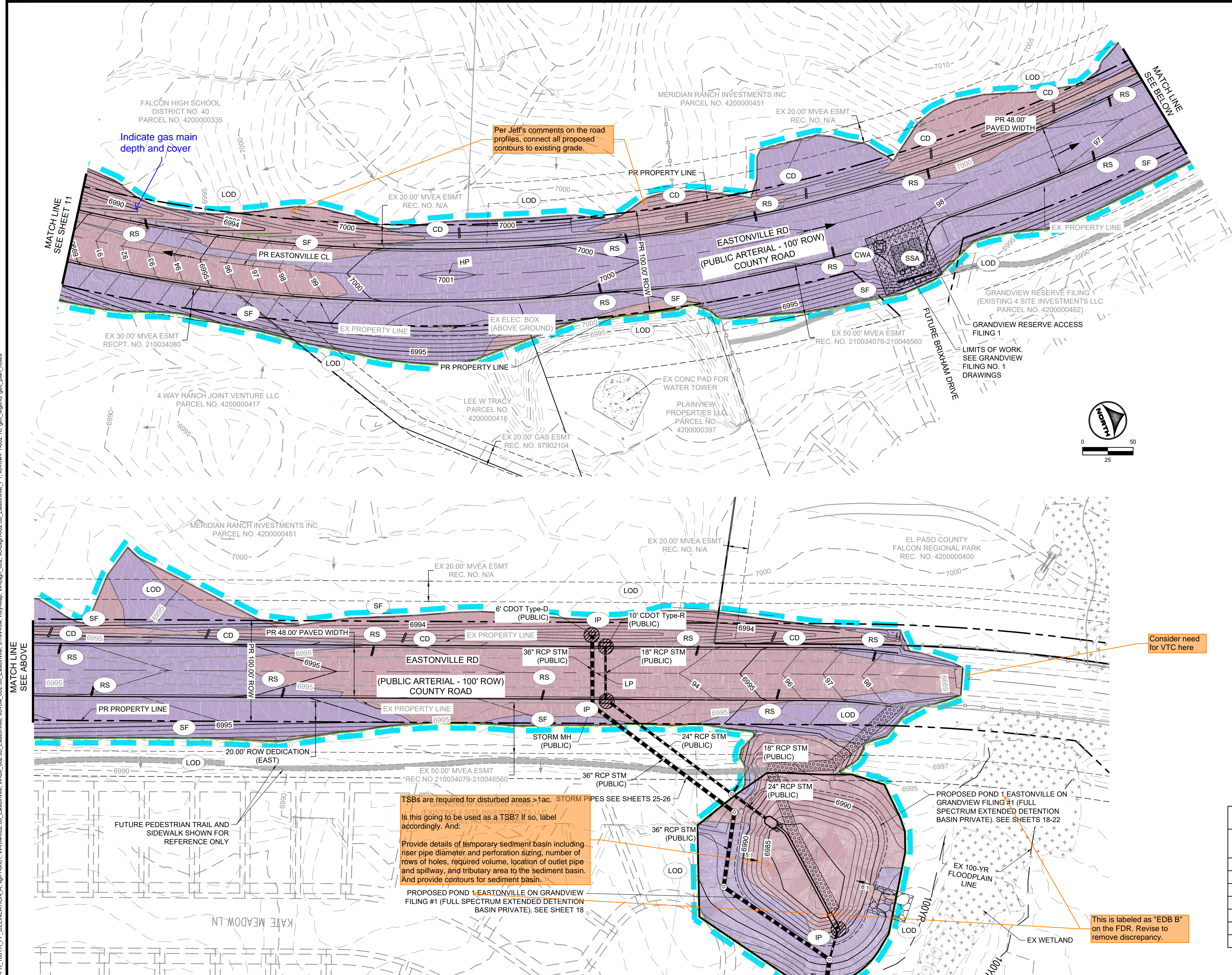
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HRGreen
 HR GREEN - COLORADO SPRINGS
 1975 RESEARCH PARKWAY SUITE 230
 COLORADO SPRINGS CO 80920
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EASTONVILLE ROAD IMPROVEMENTS
 DR. HORTON
 EL PASO COUNTY, COLORADO

EASTONVILLE ROAD SEGEMENT 1 IMPROVEMENTS
 GRADING & EROSION CONTROL PLAN

SHEET
GEC.1 11



GEC LEGEND:

[Symbol]	CWA	CONCRETE WASHOUT AREA	INTERIM
[Symbol]	IP	INLET PROTECTION	INTERIM
[Symbol]	CIP	CULVERT INLET PROTECTION	INTERIM
[Symbol]	SF	SILT FENCE	INITIAL/INTERIM
[Symbol]	SSA	STABILIZED STAGING AREA	INTERIM
[Symbol]	VTC	VEHICLE TRACKING CONTROL	INITIAL
[Symbol]	EDB	EXTENDED DETENTION BASIN	FINAL
[Symbol]	TSB	TEMPORARY SEDIMENT BASIN	INTERIM
[Symbol]	CD	CHECK DAM	INTERIM
[Symbol]	RS	ROCK SOCK	INTERIM
[Symbol]	LOD	LIMITS OF CONSTRUCTION/DISTURBANCE	FINAL

PHASE

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

TABLE 1.1 - CHECK DAM SPACING

SLOPE @ CHANNEL FLOWLINE (%)	MAX SPACING (FEET)
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1.25 - 1.5	100
1.5 - 1.75	85
1.75 - 2	75
2-2.5	60



HR GREEN 01-2020/201662/CAD/Dwg/CI/Eastonville_Road_662.08/Segment_1/CD/GEC/GEC

Indicate gas main depth and cover

Per Jeff's comments on the road profiles, connect all proposed contours to existing grade.

Consider need for VTC here

This is labeled as "EDB B" on the FDR. Revise to remove discrepancy.

TSBs are required for disturbed areas >1ac. STORM PIPES SEE SHEETS 25-26
 Is this going to be used as a TSB? If so, label accordingly. And:
 Provide details of temporary sediment basin including riser pipe diameter and perforation sizing, number of rows of holes, required volume, location of outlet pipe and spillway, and tributary area to the sediment basin. And provide contours for sediment basin.

PROPOSED POND 1 EASTONVILLE ON GRANDVIEW FILING #1 (FULL SPECTRUM EXTENDED DETENTION BASIN PRIVATE). SEE SHEET 18

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EASTONVILLE ROAD IMPROVEMENTS
 DR. HORTON
 EL PASO COUNTY, COLORADO

EASTONVILLE ROAD SEGEMENT 1 IMPROVEMENTS
 GRADING & EROSION CONTROL PLAN

SHEET
GEC.2 12

SIGNING AND STRIPING NOTES:

- ALL SIGNS AND PAVEMENT MARKINGS SHALL BE IN COMPLIANCE WITH THE CURRENT MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES (MUTCD).
- REMOVAL OF EXISTING PAVEMENT MARKINGS SHALL BE ACCOMPLISHED BY A METHOD THAT DOES NOT MATERIALLY DAMAGE THE PAVEMENT. THE PAVEMENT MARKINGS SHALL BE REMOVED TO THE EXTENT THAT THEY WILL NOT BE VISIBLE UNDER DAY OR NIGHT CONDITIONS. AT NO TIME WILL IT BE ACCEPTABLE TO PAINT OVER EXISTING PAVEMENT MARKINGS.
- ANY DEVIATION FROM THE STRIPING AND SIGNING PLAN SHALL BE APPROVED BY EL PASO COUNTY PCD.
- EXISTING SIGNS MAY REMAIN OR BE REUSED IF THEY MEET CURRENT EL PASO COUNTY AND MUTCD STANDARDS.
- STREET NAME AND REGULATORY STOP SIGNS SHALL BE ON THE SAME POST AT INTERSECTIONS.
- ALL REMOVED SIGNS SHALL BE DISPOSED OF IN A PROPER MANNER BY THE CONTRACTOR.
- ALL STREET NAME SIGNS SHALL HAVE "D" SERIES LETTERS, WITH LOCAL ROADWAY SIGNS BEING 4" UPPER-LOWER CASE LETTERING ON 12" BLANK AND NON-LOCAL ROADWAY SIGNS BEING 6" LETTERING, UPPER-LOWER CASE ON 12" BLANK, WITH A WHITE BORDER THAT IS NOT RECESSED. MULTI-LANE ROADWAYS WITH SPEED LIMITS OF 40 MPH OR HIGHER SHALL HAVE 8" UPPER-LOWER CASE LETTERING ON 11-18" BLANK WITH A WHITE BORDER THAT IS NOT RECESSED. THE WIDTH OF THE NON-RECESSED WHITE BORDERS SHALL MATCH PAGE 255 OF THE 2012 MUTCD "STANDARD HIGHWAY SIGNS".
- ALL TRAFFIC SIGNS SHALL HAVE A MINIMUM HIGH INTENSITY PRISMATIC GRADE SHEETING.
- ALL LOCAL RESIDENTIAL STREET SIGNS SHALL BE MOUNTED ON A 1.75" X 1.75" SQUARE TUBE SIGN POST AND STUB POST BASE. FOR 13 OTHER APPLICATIONS, REFER TO THE CDOT STANDARD S-614-8 REGARDING USE OF THE P2 TUBULAR STEEL POST SLIPBASE DESIGN.
- ALL SIGNS SHALL BE SINGLE SHEET ALUMINUM WITH 0.100" MINIMUM THICKNESS.
- ALL LIMIT LINES/STOP LINES, CROSSWALK LINES, PAVEMENT LEGENDS, AND ARROWS SHALL BE A MINIMUM 125 MIL THICKNESS PREFORMED THERMOPLASTIC PAVEMENT MARKINGS WITH TAPERED LEADING EDGES PER CDOT STANDARD S-627-1. WORD AND SYMBOL MARKINGS SHALL BE THE NARROW TYPE. STOP BARS SHALL BE 24" IN WIDTH. CROSSWALKS LINES SHALL BE 12" WIDE AND 8' LONG PER CDOT S-627-1.
- ALL LONGITUDINAL LINES SHALL BE A MINIMUM 15MIL THICKNESS EPOXY PAINT. ALL NON-LOCAL RESIDENTIAL ROADWAYS SHALL INCLUDE BOTH RIGHT AND LEFT EDGE LINE STRIPING AND ANY ADDITIONAL STRIPING AS REQUIRED BY CDOT S-627-1.
- THE CONTRACTOR SHALL NOTIFY EL PASO COUNTY PLANNING AND COMMUNITY DEVELOPMENT (719) 520-6819 PRIOR TO AND UPON COMPLETION OF SIGNING AND STRIPING.
- THE CONTRACTOR SHALL OBTAIN A WORK IN THE RIGHT OF WAY PERMIT FROM THE EL PASO COUNTY DPW PRIOR TO ANY SIGNAGE OR STRIPING WORK WITHIN AN EXISTING EL PASO COUNTY ROADWAY.

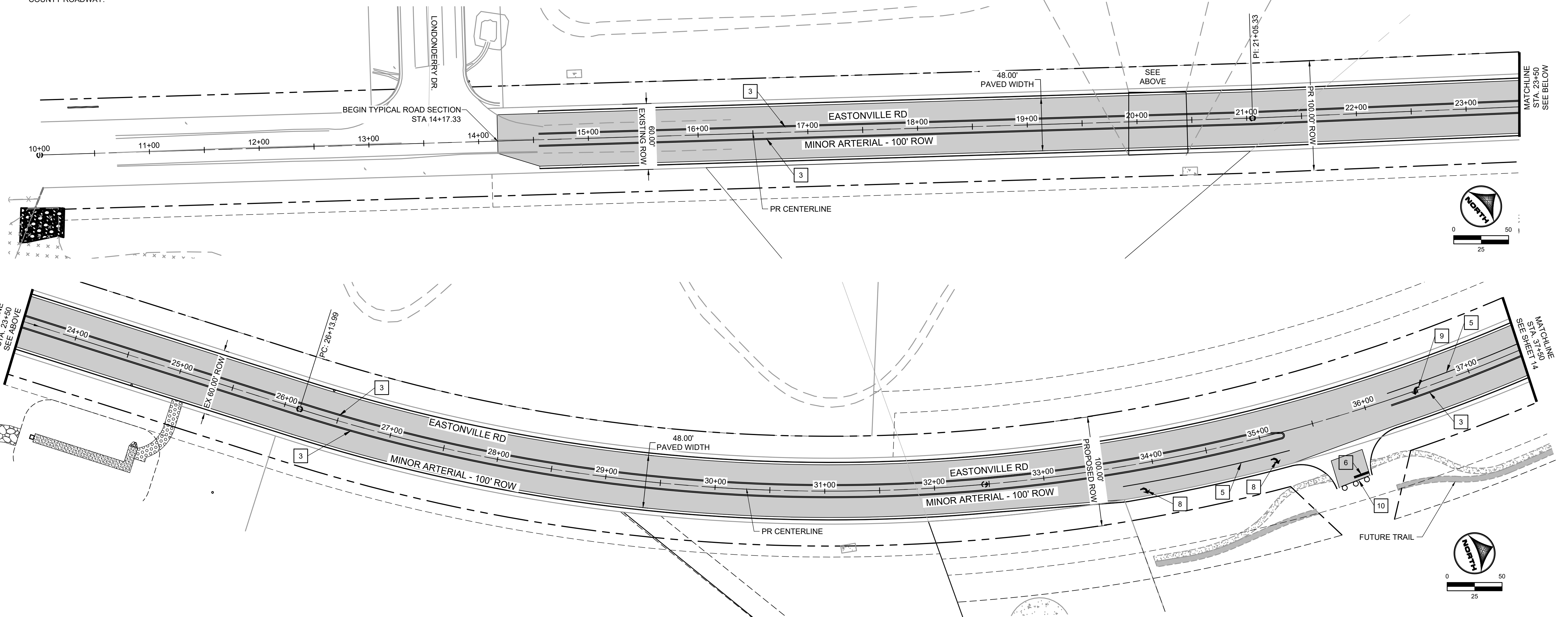
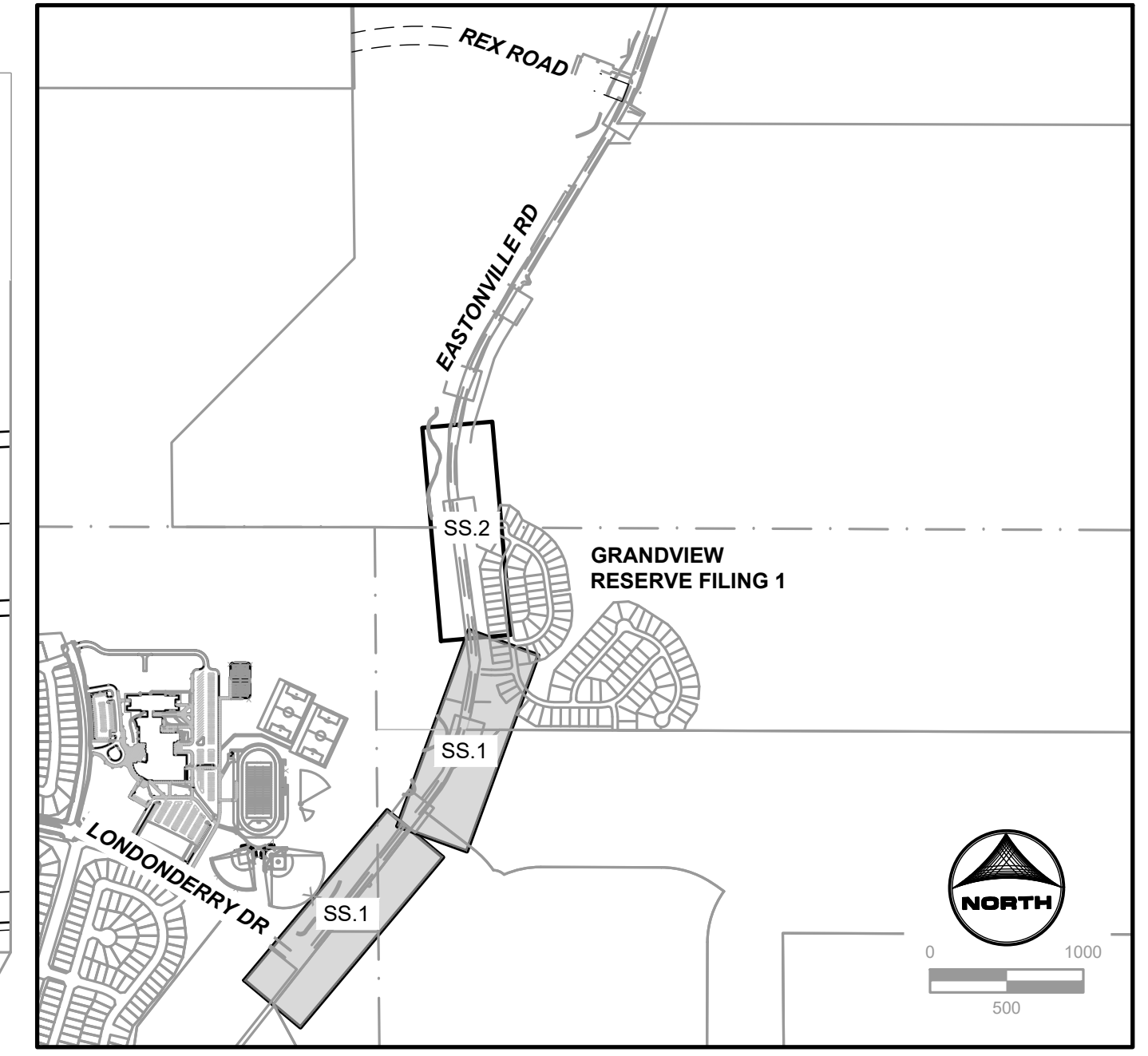
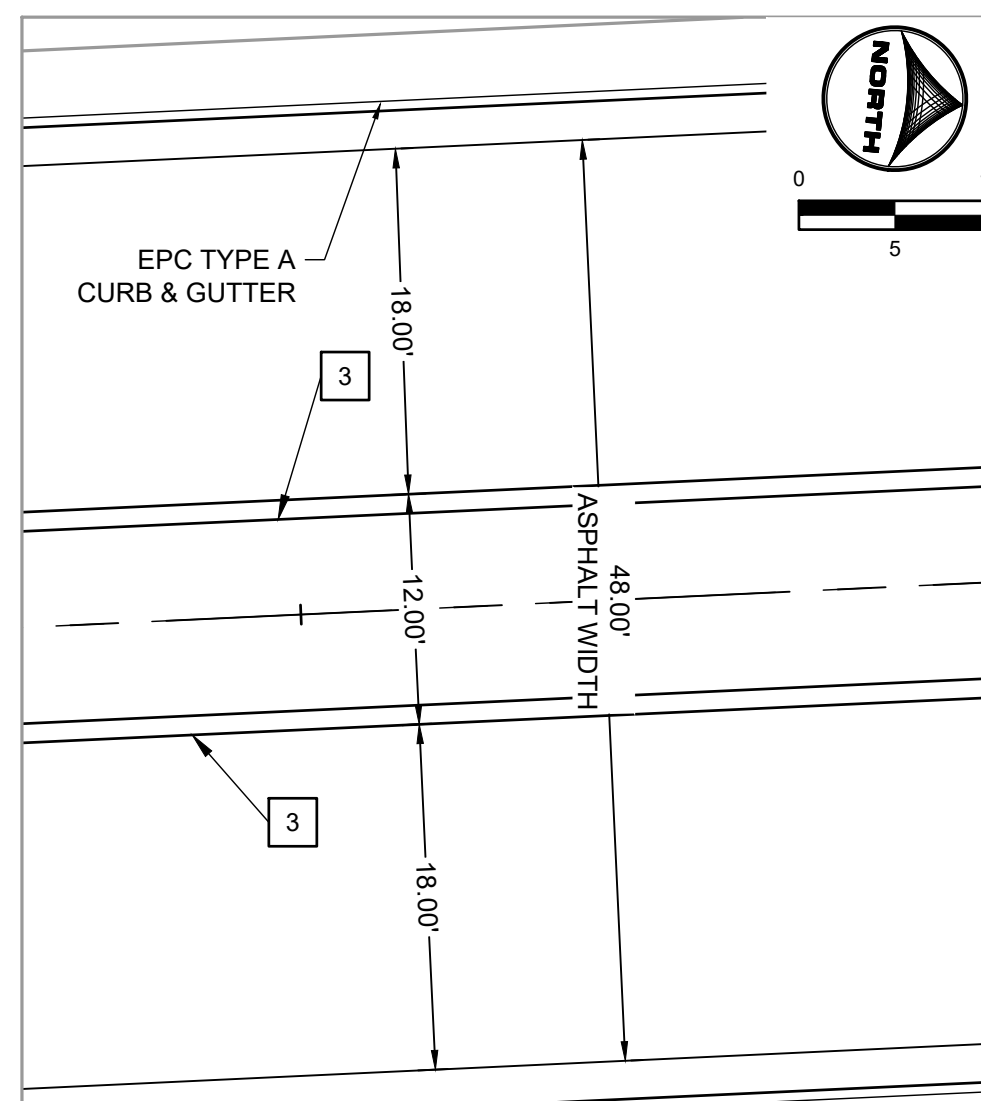
SIGNAGE LEGEND:

CONSTRUCTION NOTES:

- WHERE CONSTRUCTION DETAILS AND SPECIFICATIONS ARE NOTED ON THESE PLANS USE CITY OF MONUMENT 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:

- YIELD LINE (TRIANGLES - 12" BASE, 36" HEIGHT, 12" SPACE BETWEEN TRIANGLES)
- LANE LINE (4" SOLID WHITE STRIPE)
- LANE LINE (4" SOLID DOUBLE YELLOW STRIPE)
- LANE LINE (4" SOLID YELLOW STRIPE)
- LANE LINE (6" SOLID WHITE STRIPE)
- STOP LINE (24" SOLID WHITE STRIPE)
- PEDESTRIAN CROSSWALK (24" SOLID WHITE STRIPES, 4" SPACING CENTER-CENTER)
- RIGHT TURN LANE (SOLID WHITE, 6" WIDE, 8')
- LEFT TURN LANE (SOLID WHITE, 6" WIDE, 8')
- TYPE III BARRICADE (TEMPORARY)



HR GREEN - 01-xv-crow 01-xc-pr-100YR-FP-DELINERATION-A-rgf-1-dh01-CD-Road-PWP-Signing-Notes-ncr-crow-662-08-Eastonville-Key-Map-xx-crow-662-08-xx-dsgn-662-08-Eastonville-P1

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DR. HORTON
 EL PASO COUNTY, COLORADO

D-R HORTON
America's Builder

EASTONVILLE ROAD SEGEMENT 1 IMPROVEMENTS
 SIGNAGE & STRIPING PLAN

SHEET
SS.1
 13

SIGNAGE LEGEND:

R-1 SINGLE LANE 30"x30"
MULTI LANE 36"x36"

R1-2 SINGLE LANE 36"x36"
MULTI LANE 48"x48"

R1-6 12"x36"

R7-1 12"x18"

R7-1(R) 12"x18"

R7-1(L) 12"x18"

D3-1 (BLUE) STREET NAME

R6-1 36"x12" ONE WAY

R4-7 24"x30"

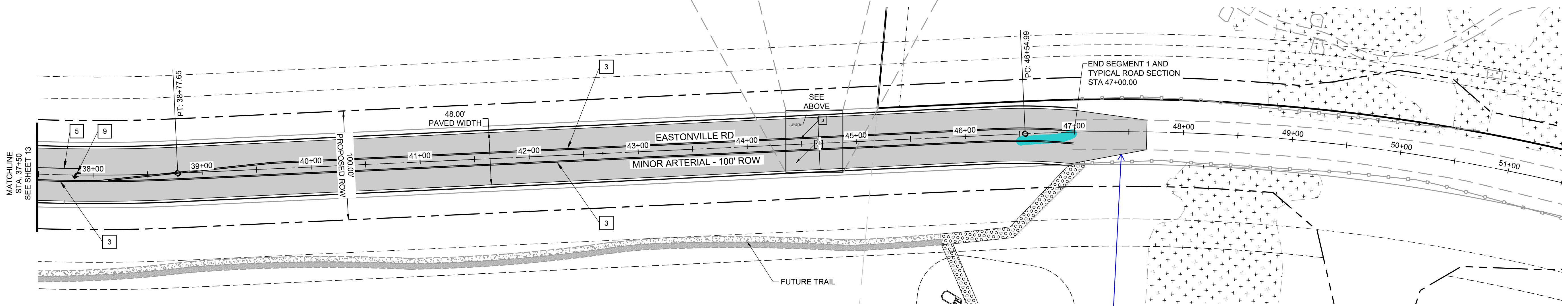
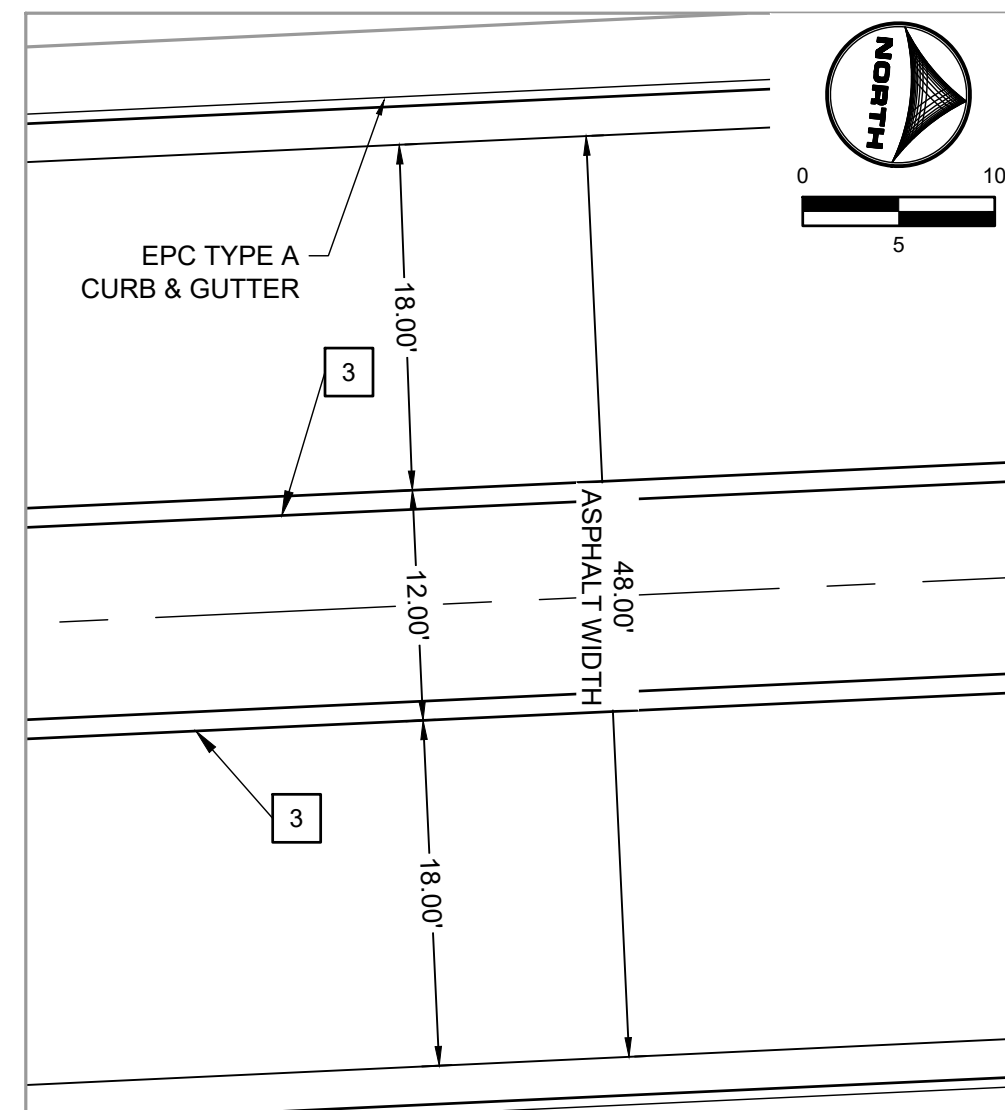
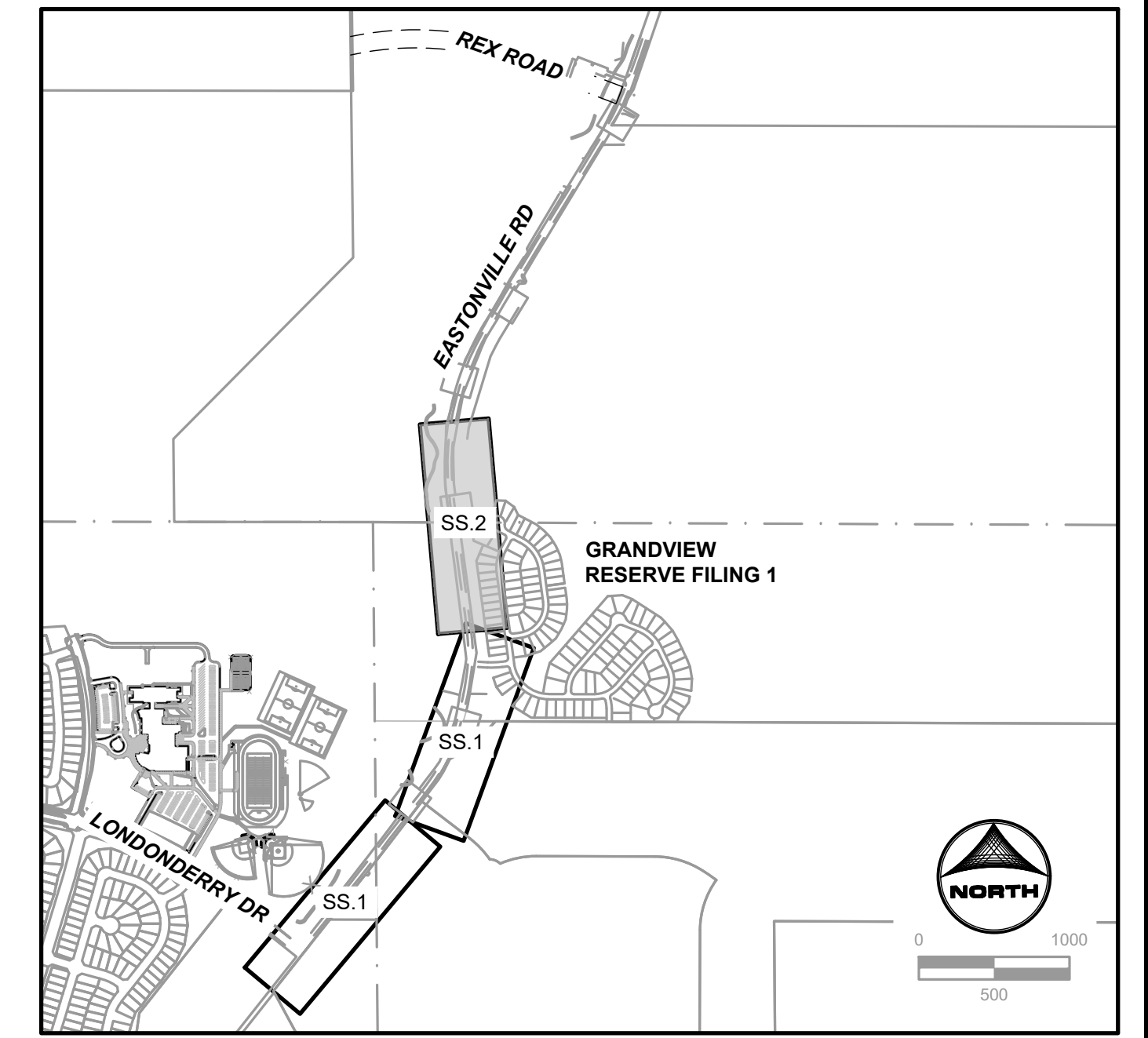
UNCC CALL BEFORE YOU DIG 811 OR 1-800-922-1987
Utility Notification Center of Colorado

CONSTRUCTION NOTES:

- WHERE CONSTRUCTION DETAILS AND SPECIFICATIONS ARE NOTED ON THESE PLANS USE CITY OF MONUMENT 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:

- YIELD LINE (TRIANGLES - 12" BASE, 36" HEIGHT, 12" SPACE BETWEEN TRIANGLES)
- LANE LINE (4" SOLID WHITE STRIPE)
- LANE LINE (4" SOLID DOUBLE YELLOW STRIPE)
- LANE LINE (4" SOLID YELLOW STRIPE)
- LANE LINE (6" SOLID WHITE STRIPE)
- STOP LINE (24" SOLID WHITE STRIPE)
- PEDESTRIAN CROSSWALK (24" SOLID WHITE STRIPES, 4' SPACING CENTER-CENTER)
- RIGHT TURN LANE (SOLID WHITE, 6' WIDE, 8')
- LEFT TURN LANE (SOLID WHITE, 6' WIDE, 8')
- TYPE III BARRICADE (TEMPORARY)



Add OM3-R?

DRAWN BY: ACH JOB DATE: 1/4/2024
 APPROVED: CPM JOB NUMBER: 201662.08
 CAD DATE: 1/12/2024
 CAD FILE: J:\2020\201662\CAD\DWG\CIEastonville_Road_662.08\Segment_1\CD\Road_CDs\Signage and Striping Plan

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

NO.	DATE	BY	REVISION DESCRIPTION

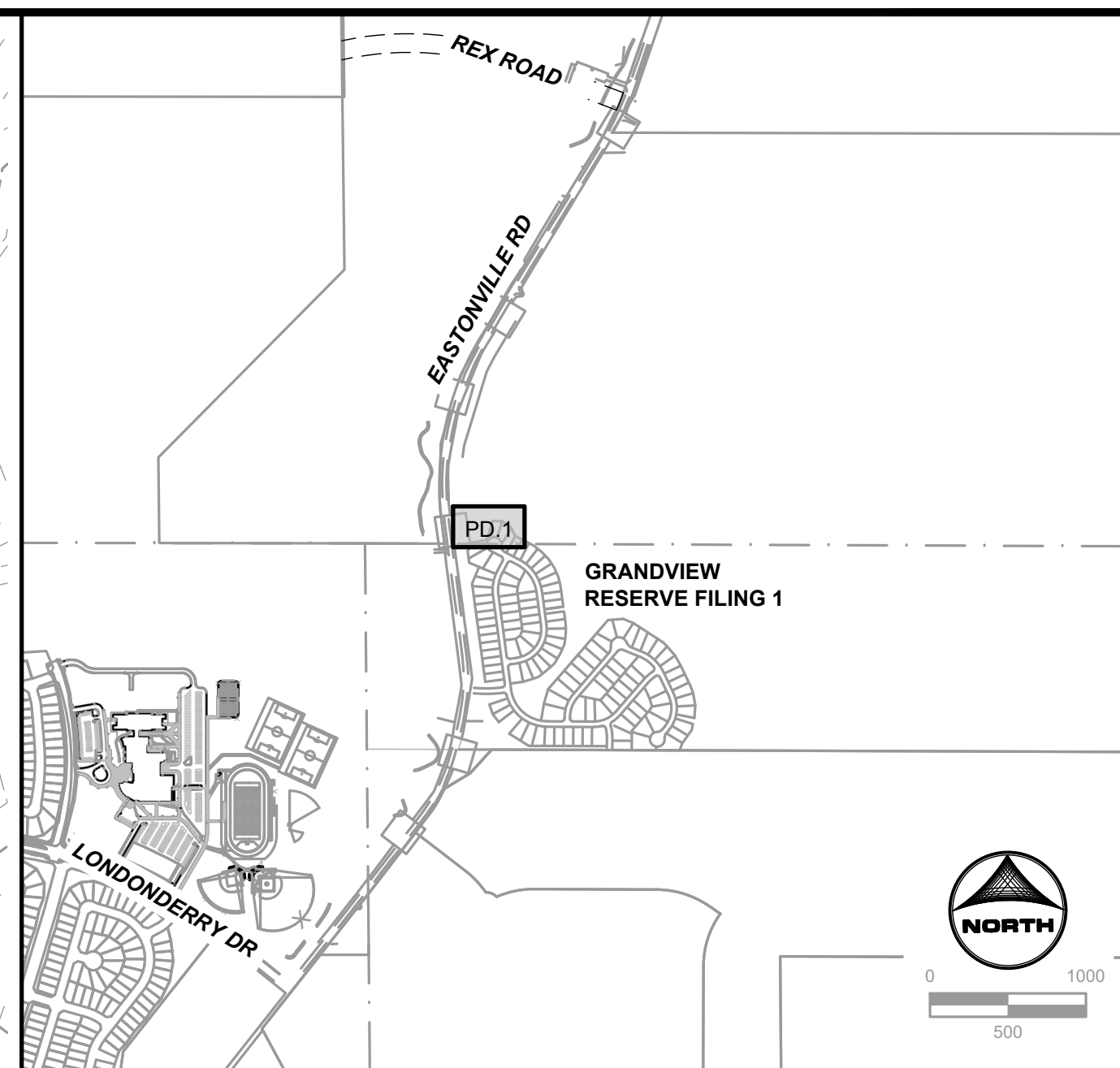
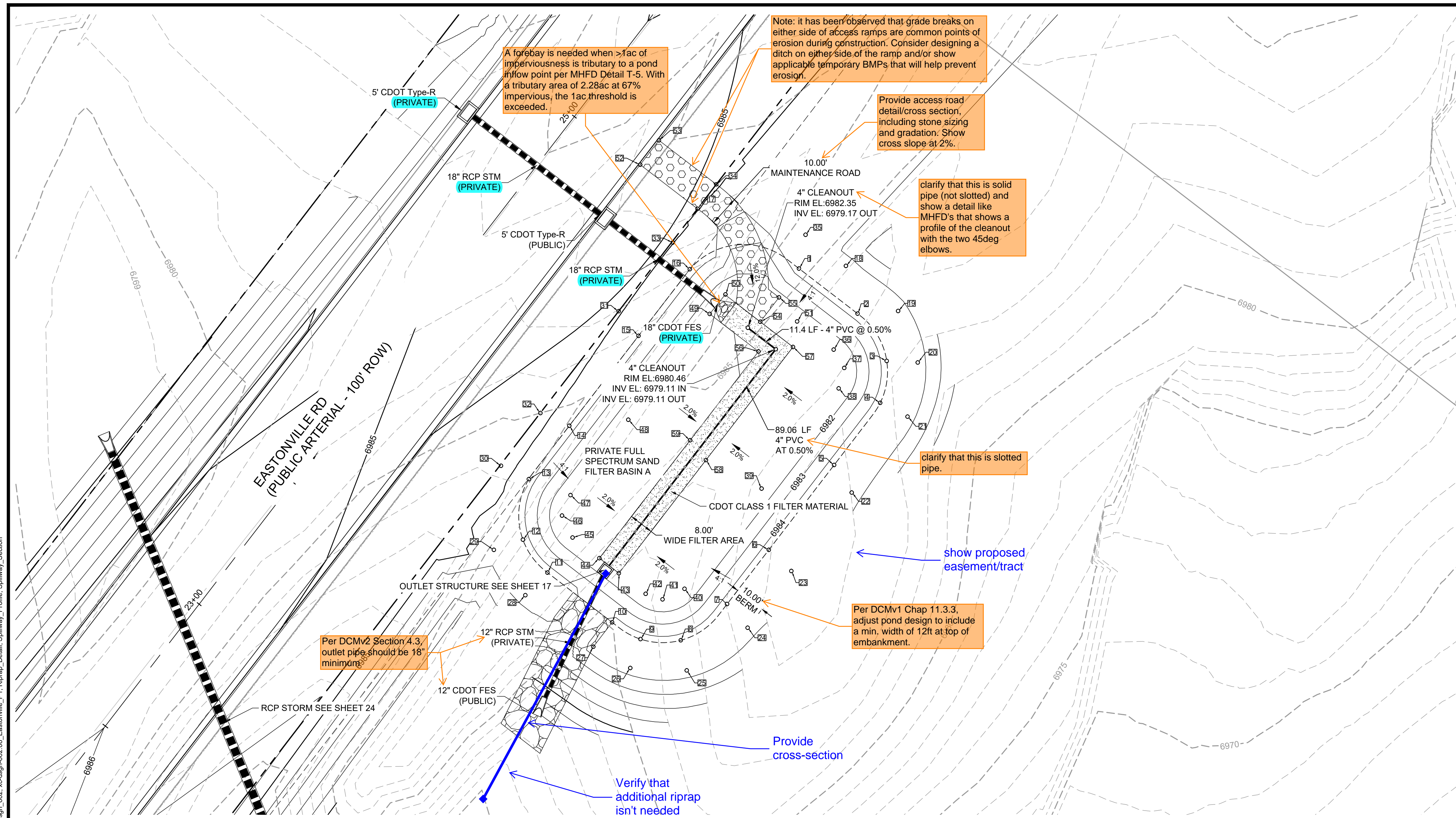
HRGreen
 HR GREEN - COLORADO SPRINGS
 1975 RESEARCH PARKWAY SUITE 230
 COLORADO SPRINGS CO 80920
 PHONE: 719.300.4140
 FAX: 719.965.0044

EASTONVILLE ROAD IMPROVEMENTS
DR. HORTON
 EL PASO COUNTY, COLORADO

D-R HORTON
 America's Builder

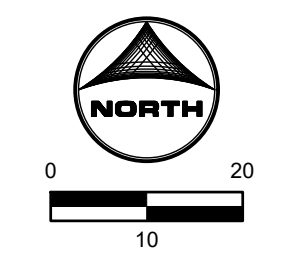
EASTONVILLE ROAD SEGEMENT 1 IMPROVEMENTS
 SIGNAGE & STRIPING PLAN

HR GREEN File: 01-xc-rw 01-xc-rw 100YR_FP_DELINEATION_A_xgi-1-dh01_CD_Road_PNF_Signing_n_Striping_Notes_xc-rw_662.08_Eastonville_KeyMap_xc-rw_662.08_xc-rw_662.08_xc-rw_662.08_Eastonville_P1



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.
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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: 1418535.18 E: 3264537.48	6984.45	12	TOP	N: 1418447.04 E: 3264447.74	6984.50	23	TOP	N: 1418436.84 E: 3264535.00	6984.50	34	TOP	N: 1418562.54 E: 3264510.60	6985.11	45	BOP	N: 1418447.72 E: 3264463.88	6981.22	56	MAINT. RD	N: 1418508.22 E: 3264524.32	6981.00	
2	TOP	N: 1418520.52 E: 3264556.53	6984.50	13	TOP	N: 1418466.72 E: 3264449.66	6984.50	24	TOP	N: 1418418.40 E: 3264520.80	6984.50	35	TOP	N: 1418546.15 E: 3264539.63	6984.58	46	BOP	N: 1418454.87 E: 3264460.44	6981.33	57	MAINT. RD	N: 1418509.68 E: 3264535.54	6981.00	
3	TOP	N: 1418505.13 E: 3264566.02	6984.50	14	TOP	N: 1418484.06 E: 3264462.82	6984.50	25	TOP	N: 1418404.53 E: 3264501.00	6984.50	36	BOP	N: 1418508.83 E: 3264548.76	6981.41	47	BOP	N: 1418461.52 E: 3264463.22	6981.41	58	MAINT. RD	N: 1418472.91 E: 3264507.24	6981.00	
4	TOP	N: 1418491.51 E: 3264563.89	6984.50	15	TOP	N: 1418513.30 E: 3264485.32	6984.50	26	TOP	N: 1418405.31 E: 3264482.65	6984.50	37	BOP	N: 1418502.86 E: 3264552.20	6981.41	48	BOP	N: 1418486.02 E: 3264482.00	6981.41	59	MAINT. RD	N: 1418479.36 E: 3264502.11	6981.00	
5	TOP	N: 1418471.31 E: 3264548.91	6984.50	16	TOP	N: 1418534.96 E: 3264501.99	6984.50	27	TOP	N: 1418412.24 E: 3264470.64	6984.50	38	BOP	N: 1418496.21 E: 3264550.41	6981.41	49	BOP	N: 1418520.42 E: 3264508.47	6981.00					
6	TOP	N: 1418443.72 E: 3264527.68	6984.50	17	TOP	N: 1418554.61 E: 3264450.50	6985.07	28	TOP	N: 1418428.99 E: 3264448.54	6984.46	39	BOP	N: 1418463.64 E: 3264525.34	6981.41	50	BOP	N: 1418526.76 E: 3264513.59	6981.01					
7	TOP	N: 1418426.11 E: 3264514.12	6984.50	18	TOP	N: 1418536.05 E: 3264552.75	6984.50	29	TOP	N: 1418443.74 E: 3264438.30	6984.50	40	BOP	N: 1418431.07 E: 3264500.27	6981.41	51	BOP	N: 1418517.98 E: 3264536.88	6981.41					
8	TOP	N: 1418414.33 E: 3264499.06	6984.50	19	TOP	N: 1418521.37 E: 3264569.71	6984.50	30	TOP	N: 1418471.06 E: 3264440.62	6985.37	41	BOP	N: 1418427.64 E: 3264493.13	6981.30	52	BEGIN MAINT. RD	N: 1418568.94 E: 3264485.87	6984.62					
9	TOP	N: 1418414.71 E: 3264485.96	6984.50	20	TOP	N: 1418504.63 E: 3264478.09	6984.50	31	TOP	N: 1418521.30 E: 3264478.86	6985.06	42	BOP	N: 1418429.43 E: 3264487.65	6981.22	53	BEGIN MAINT. RD	N: 1418576.86 E: 3264491.97	6984.65					
10	TOP	N: 1418420.16 E: 3264476.74	6984.50	21	TOP	N: 1418487.03 E: 3264572.78	6984.50	32	TOP	N: 1418488.20 E: 3264453.43	6985.27	43	BOP	N: 1418436.14 E: 3264478.93	6981.00	54	MAINT. RD/BP	N: 1418517.87 E: 3264524.89	6981.00					
11	TOP	N: 1418436.33 E: 3264455.72	6984.50	22	TOP	N: 1418543.35 E: 3264554.63	6984.50	33	TOP	N: 1418543.64 E: 3264496.48	6985.01	44	BOP	N: 1418441.01 E: 3264472.59	6981.00	55	MAINT. RD/BP	N: 1418525.80 E: 3264530.99	6981.65					

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

Label SFB A, Public



Know what's below.
Call before you dig.

DRAWN BY: ACH JOB DATE: 1/12/2024
 APPROVED: CPM JOB NUMBER: 201662.08
 CAD DATE: 1/12/2024
 CAD FILE: J:\2020\201662\CAD\DWG\CIEastonville_Road_662.08\Segment_1\CDI\Road_CDs\Sand_Filter

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 1975 RESEARCH PARKWAY SUITE 230
 COLORADO SPRINGS CO 80920
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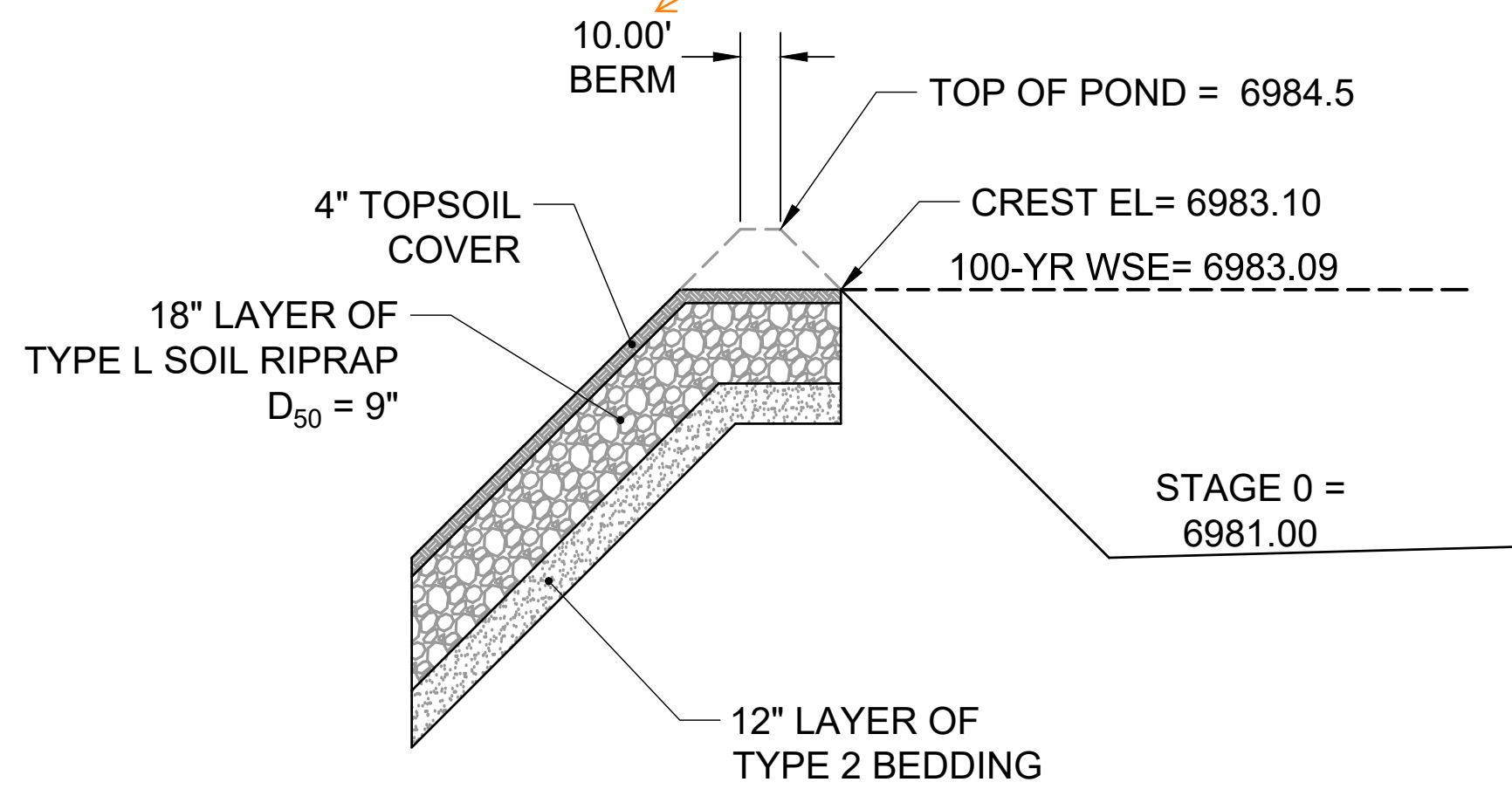
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DR. HORTON
 EL PASO COUNTY, COLORADO

D-R HORTON
America's Builder

EASTONVILLE ROAD SEGEMENT 1 IMPROVEMENTS
 SAND FILTER GRADING PLAN

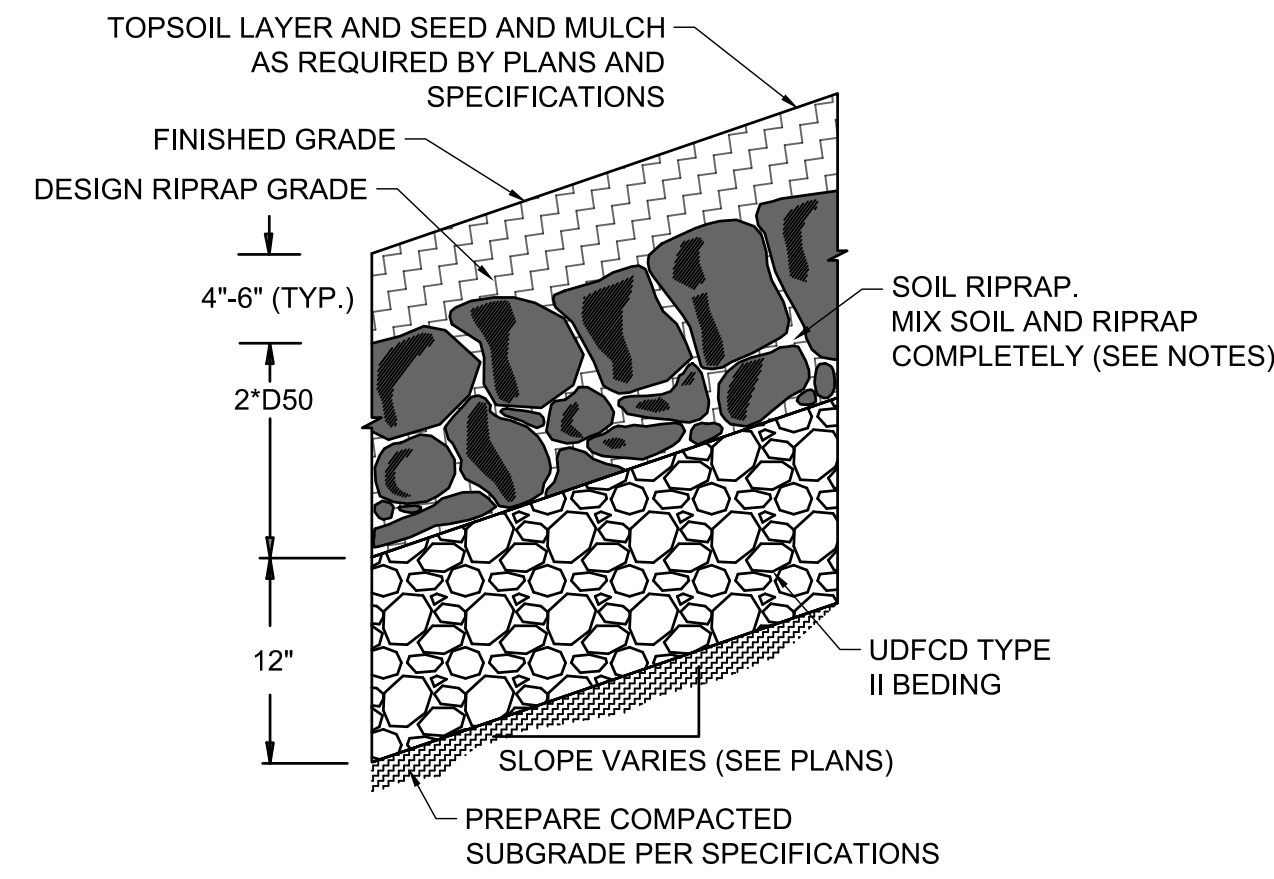
SHEET
PD.1
 15

Per DCMv1 Chap 11.3.3, adjust pond design to include a min. width of 12ft at top of embankment.



**PROFILE VIEW –
EMERGENCY OVERFLOW SPILLWAY**

SCALE: NTS



**SOIL RIPRAP EMBANKMENT PROTECTION
WITH BEDDING TYP. SECTION**
N.T.S

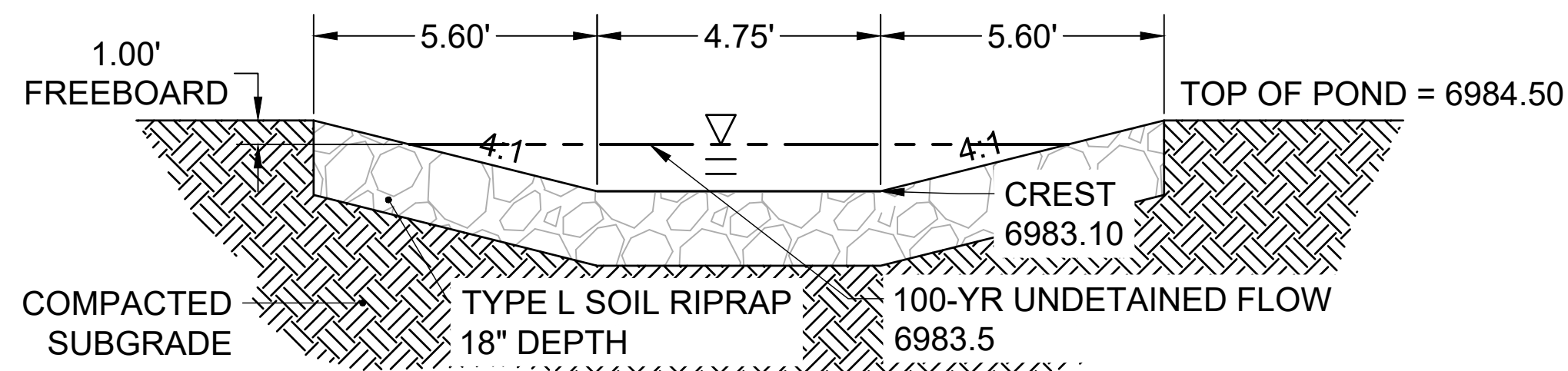
RIPRAP NOTES.

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



**SECTION VIEW –
EMERGENCY SPILLWAY**

SCALE: NTS

Label SFB A, Public



Know what's below.
Call before you dig.

DRAWN BY: ACH JOB DATE: 1/12/2024
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CAD FILE: J:\2020\201662\CAD\DWG\CI\Eastonville_Road_662.08\Segment_1\CD\Road_CD\Sand_Filter

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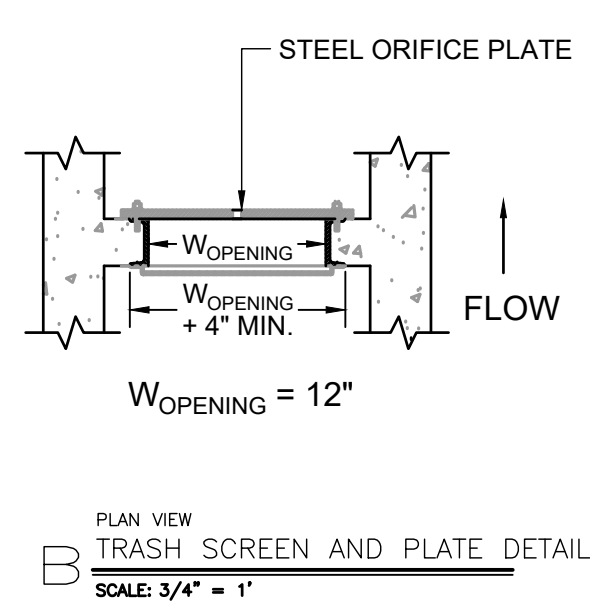
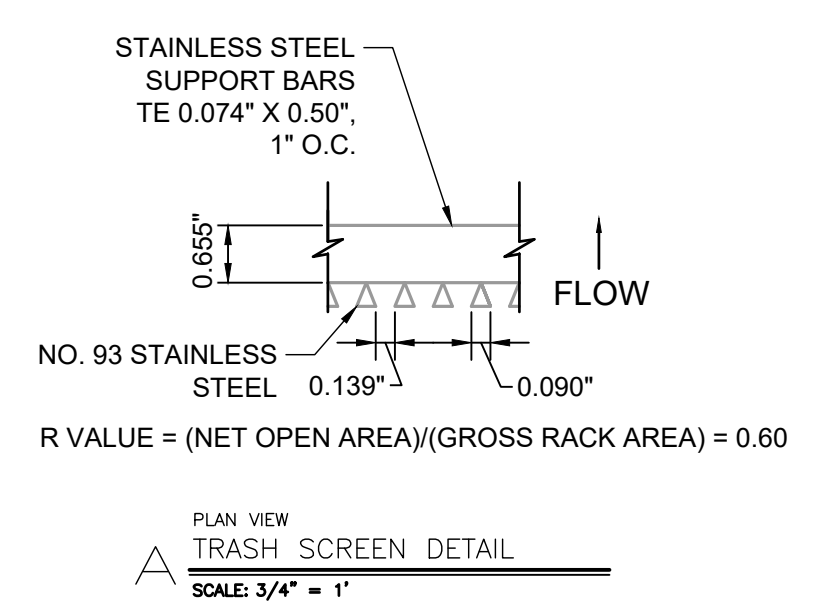
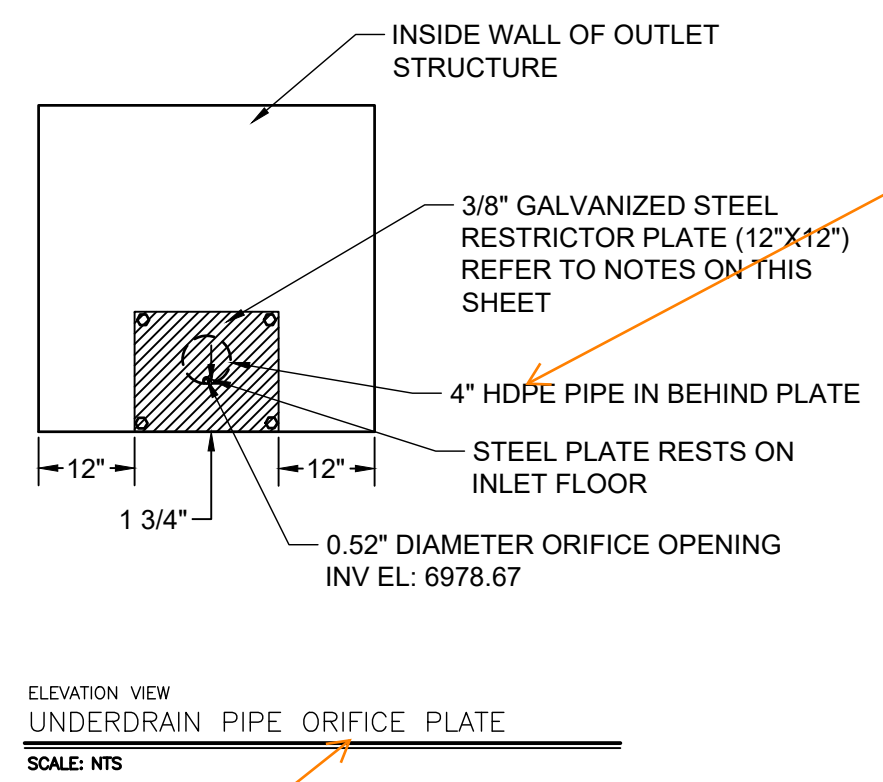
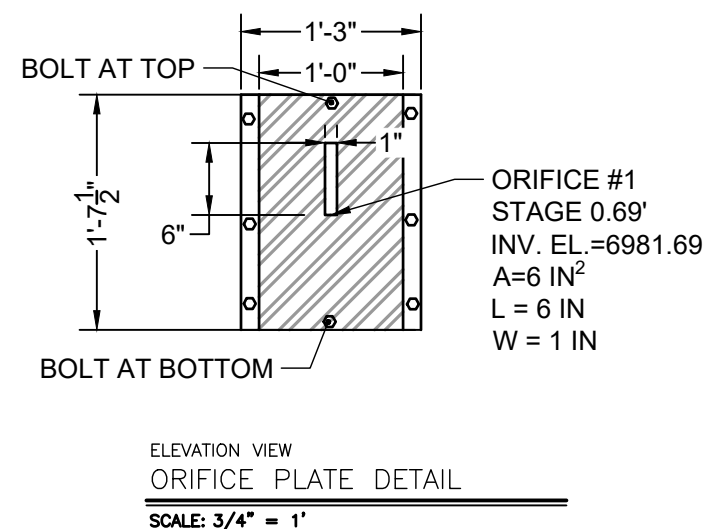
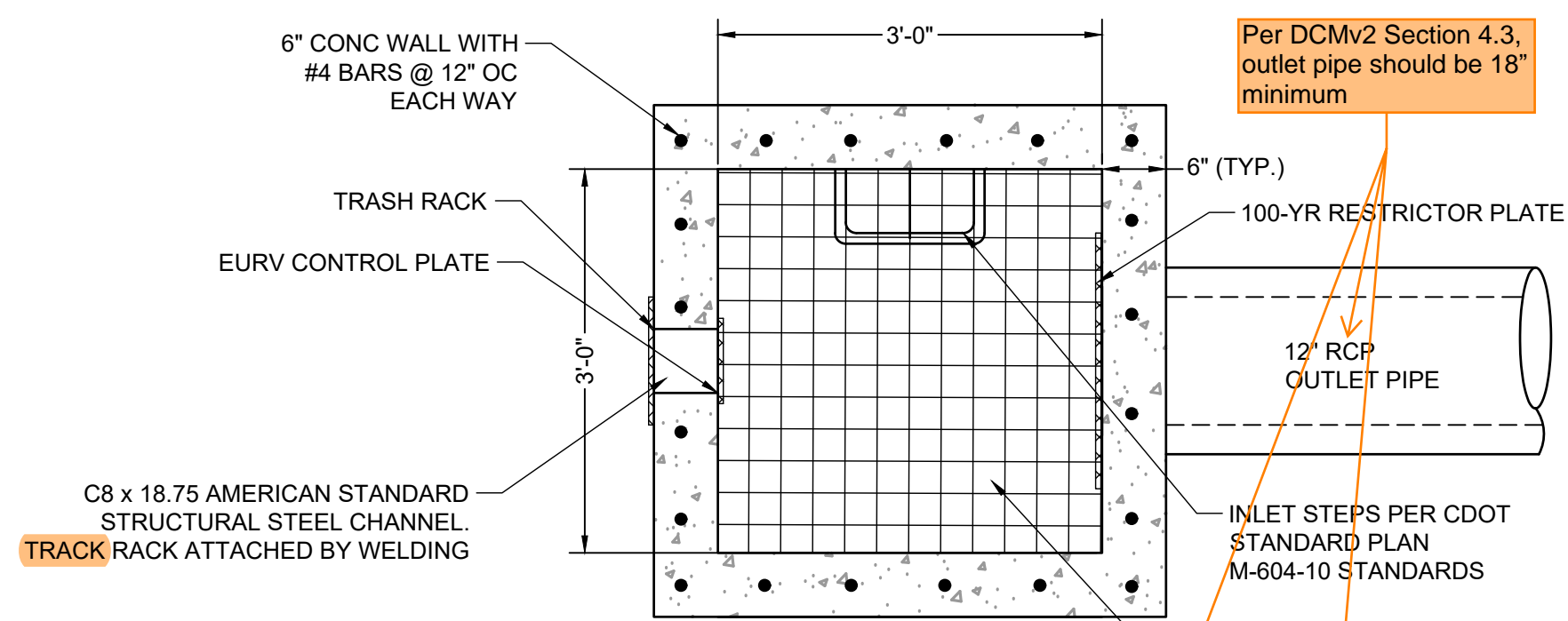
EASTONVILLE ROAD IMPROVEMENTS
DR. HORTON
EL PASO COUNTY, COLORADO



EASTONVILLE ROAD SEGEMENT 1 IMPROVEMENTS
SAND FILTER DETAILS

SHEET
PD.2

16



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

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

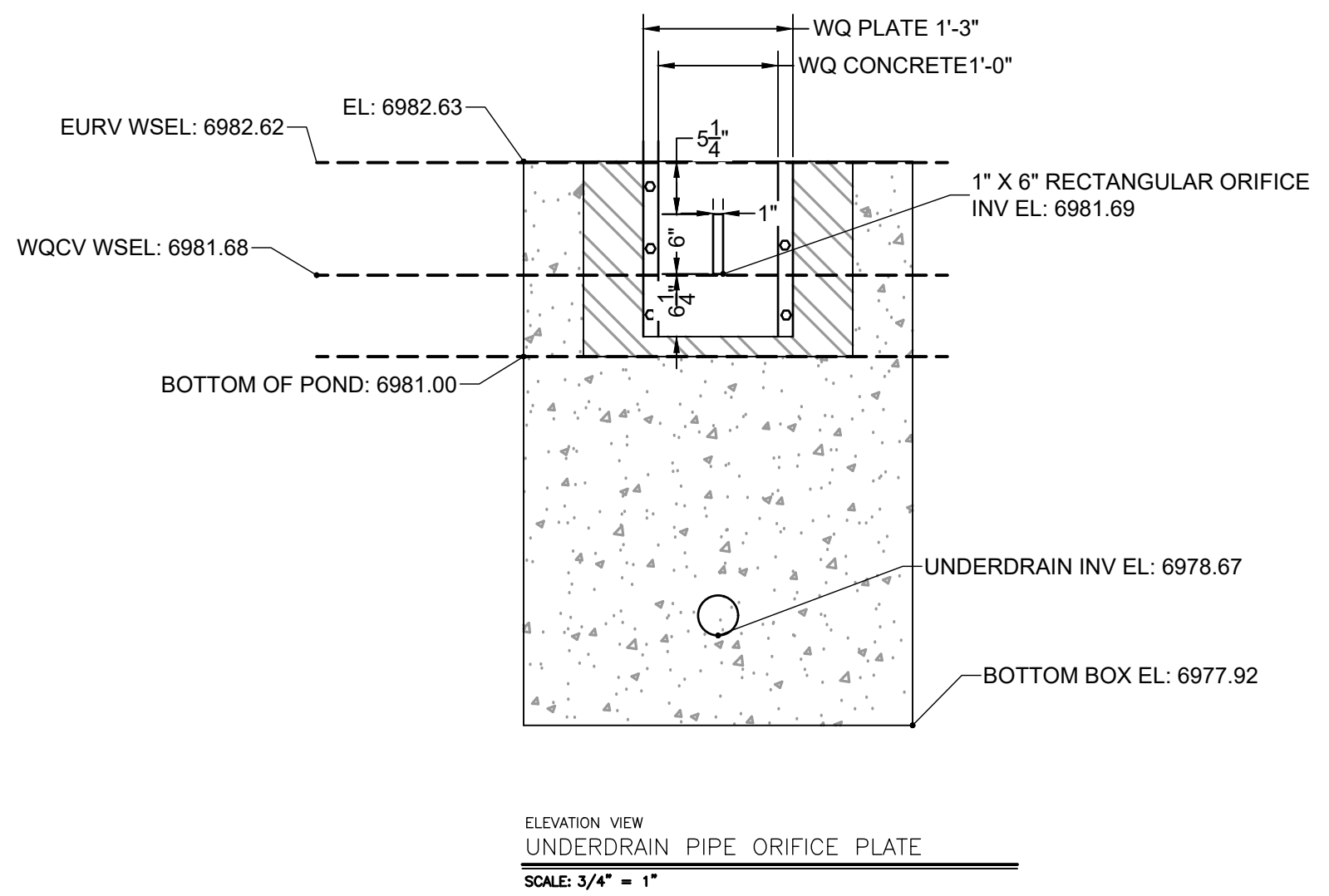
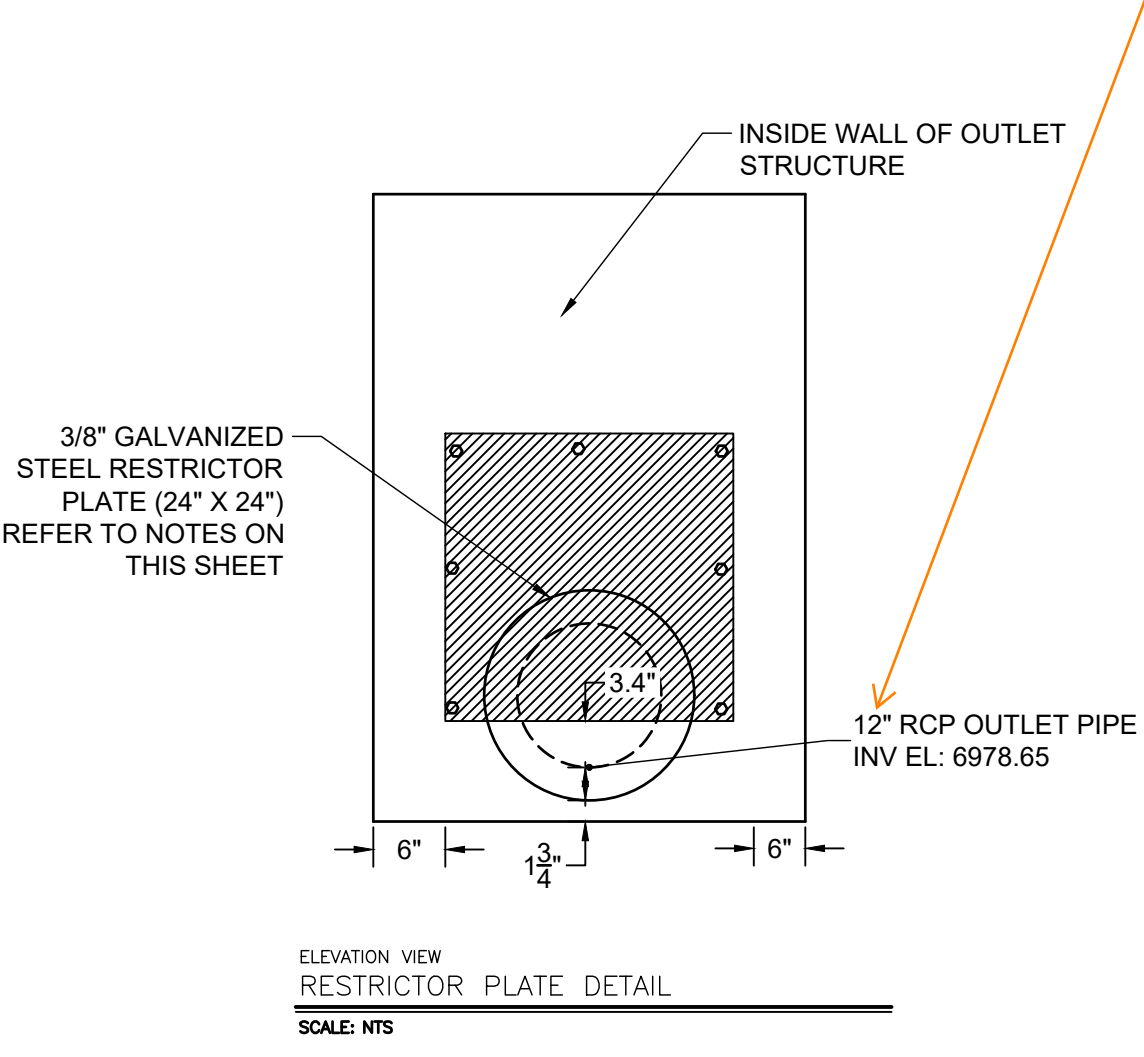
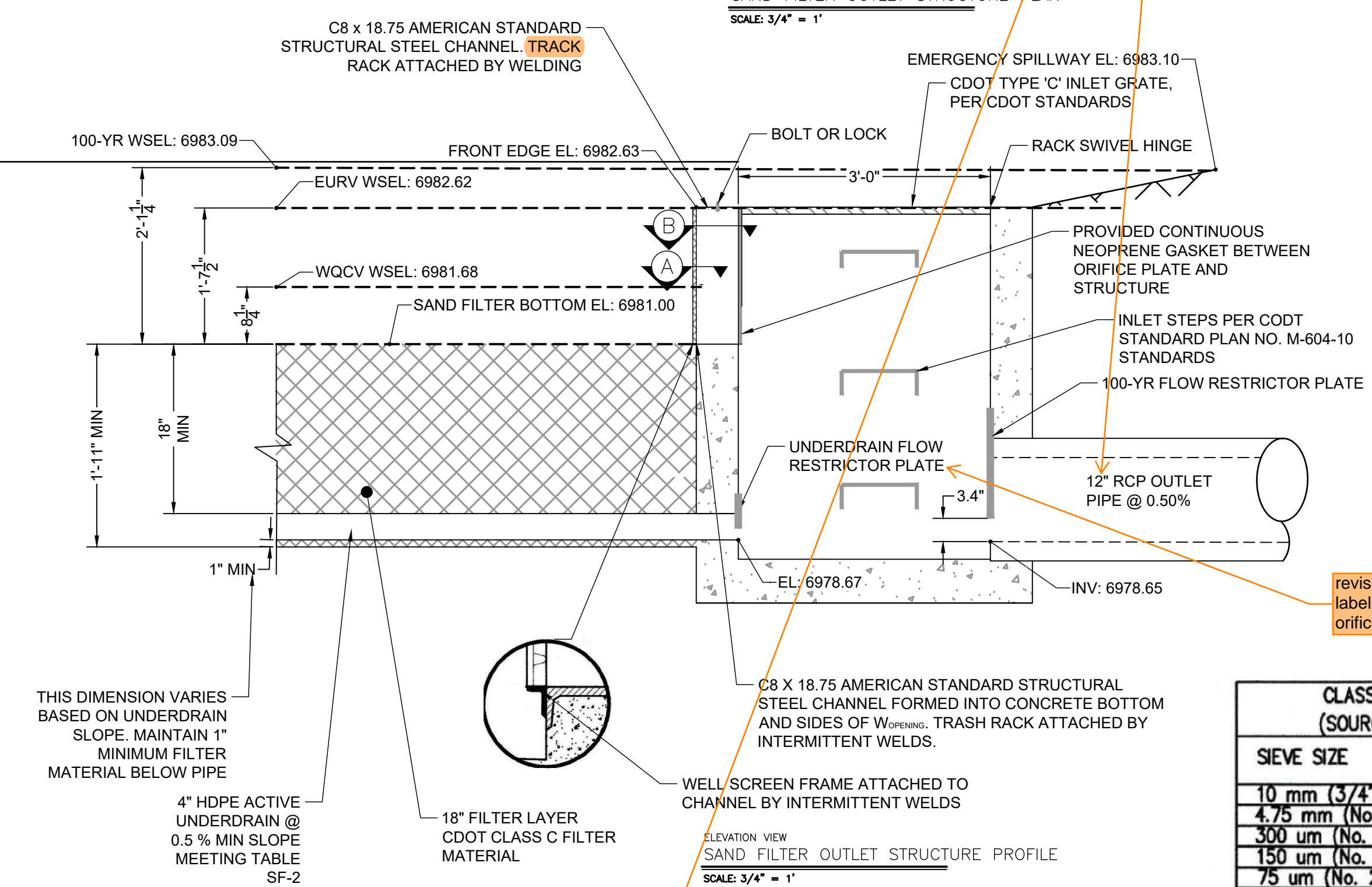
Pipe Size	Slot Length	Maximum Slot Width	Slot Centers	Open Area (per foot)
4"	1-1/16"	0.032"	0.413"	1.90 in ²
6"	1-3/8"	0.032"	0.516"	1.98 in ²

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).



Know what's below.
Call before you dig.

Label SFB A, Public



DRAWN BY: AXB JOB DATE: 1/9/2024
APPROVED: CPM JOB NUMBER: 201662.08
CAD DATE: 1/12/2024
CAD FILE: J:\2020\201662\CAD\DWG\CIEastonville_Road_662.08\Segment_1\CDI\Road_CD\Sand_Outlet

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NO.	DATE	BY	REVISION DESCRIPTION

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HR GREEN - COLORADO SPRINGS
1975 RESEARCH PARKWAY SUITE 230
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DR. HORTON
EL PASO COUNTY, COLORADO

D-R HORTON
America's Builder

EASTONVILLE ROAD SEGEMENT 1 IMPROVEMENTS
SAND FILTER OUTLET STRUCTURE

SHEET
PD.3
17

HR GREEN xref: xref-1-dh01_CD_Road_PNP

Staff still recommends placing the spillway here

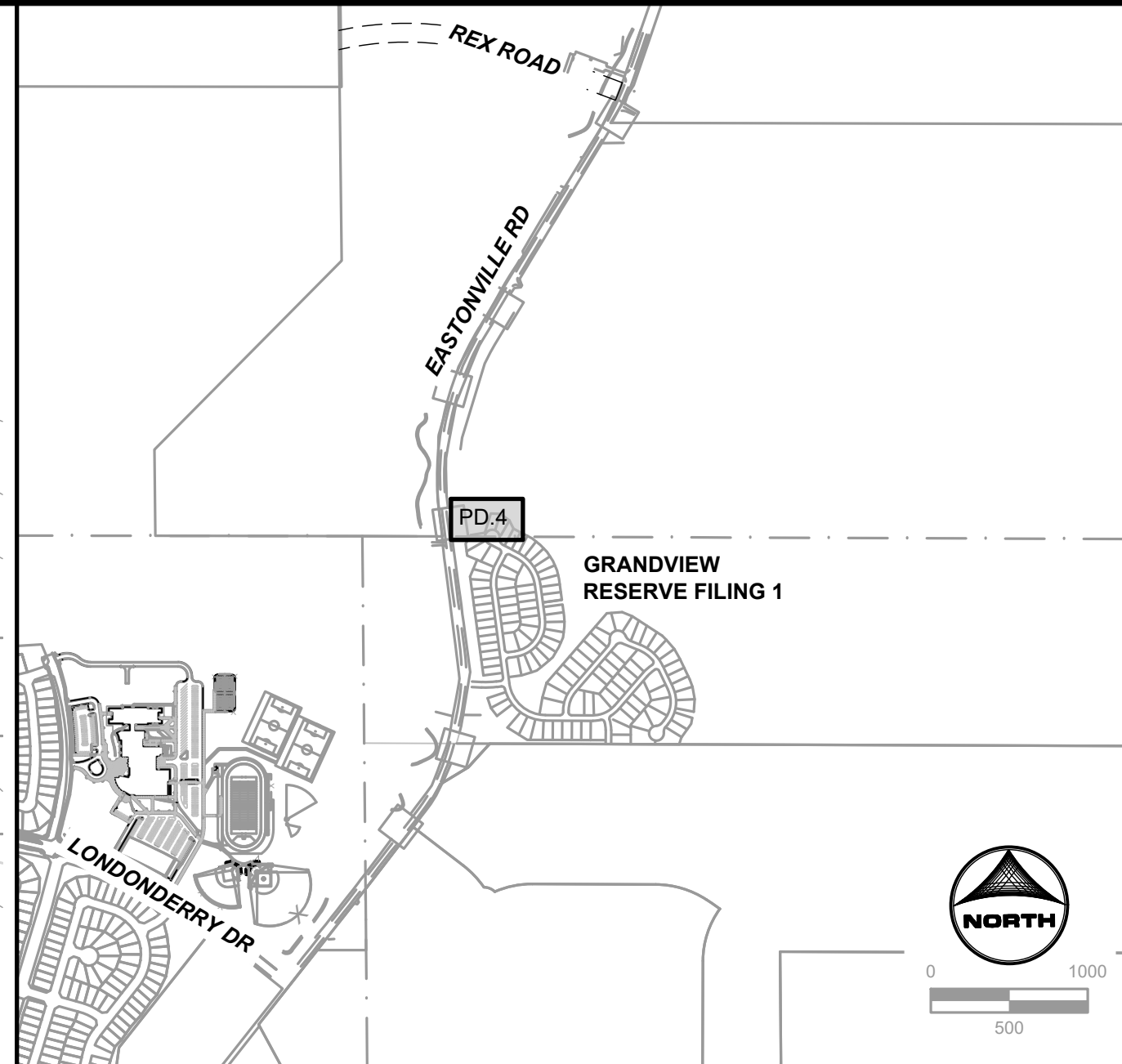
Provide cross-section

Provide access road detail cross section, including stone sizing and gradation. Show cross slope at 2%.

Per DCMV1 Chap 11.3.3, adjust pond design to include a min. width of 12ft at top of embankment.

Considering the future challenges for the County to complete maintenance of a 2ft wide trickle channel, a trickle channel width of 40" is requested. The bucket width of a small walk-behind skid steer is 36" wide, so our maintenance staff have requested 40" trickle channel widths to allow for several inches of clearance on either side of the bucket.

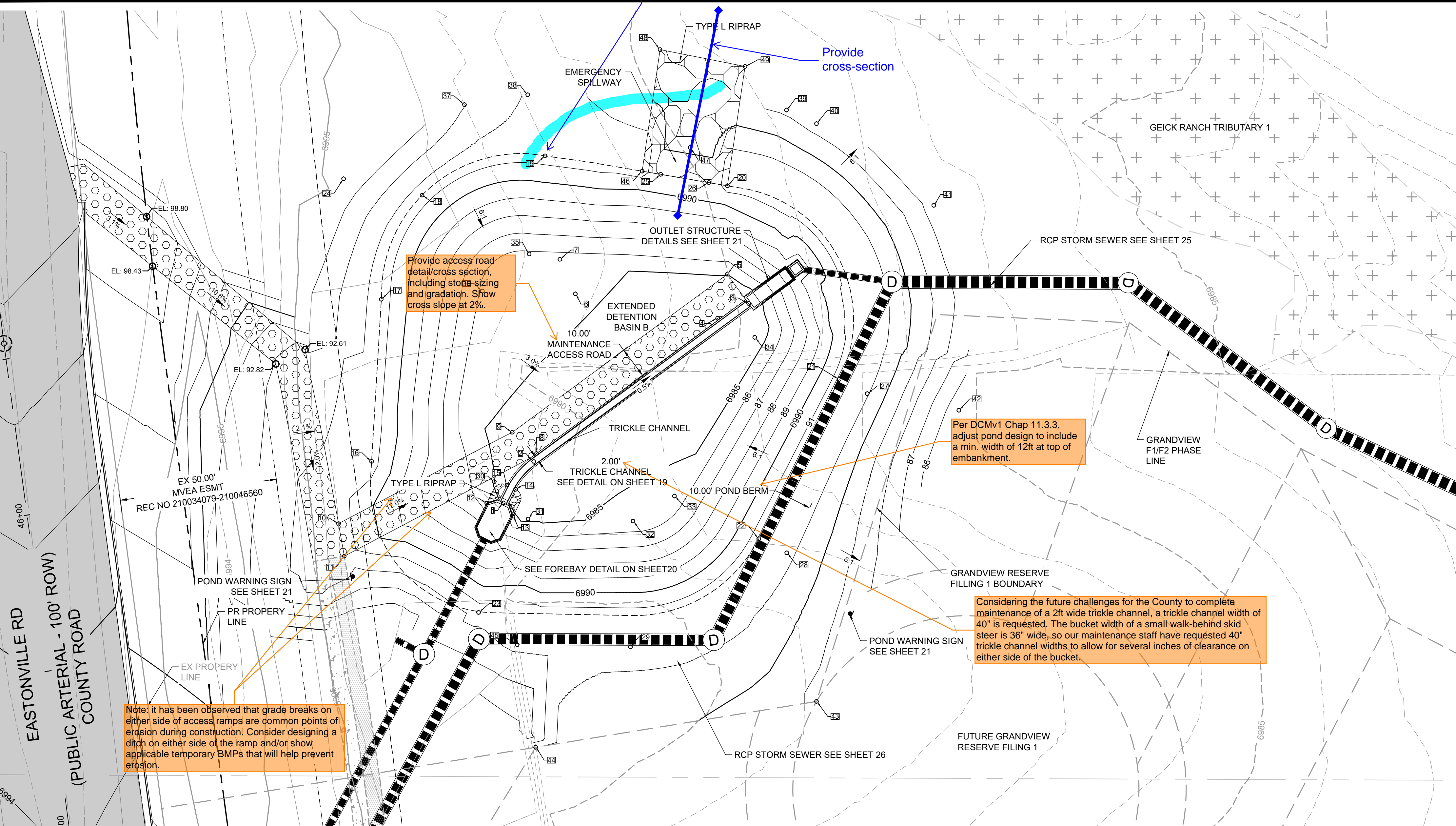
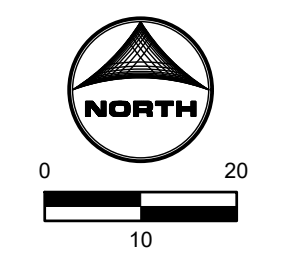
Note: it has been observed that grade breaks on either side of access ramps are common points of erosion during construction. Consider designing a ditch on either side of the ramp and/or show applicable temporary BMPs that will help prevent erosion.



KEYMAP

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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	6984.01	12	RIPRAP	N: 1420584.00 E: 3264901.32	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: 1420579.80 E: 3264909.67	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	6984.44	25	TOP	N: 1420688.41 E: 3264956.60	6990.00	36	BOP	N: 1420651.33 E: 3264899.93	6985.85
4	MAINT. RD	N: 1420642.70 E: 3264974.68	6984.07	15	RIPRAP	N: 1420589.72 E: 3264907.75	6984.48	26	TOP	N: 1420685.79 E: 3264971.89	6990.00	37	TOP	N: 1420710.55 E: 3264894.24	6993.00
5	MAINT. RD/BP	N: 1420656.66 E: 3264977.73	6985.09	16	TOP	N: 1420597.21 E: 3264864.72	6991.50	27	TOP	N: 1420618.74 E: 3265022.25	6991.10	38	TOP	N: 1420713.69 E: 3264914.34	6991.89
6	MAINT. RD	N: 1420650.44 E: 3264929.47	6985.23	17	TOP	N: 1420648.71 E: 3264867.80	6991.50	28	TOP	N: 1420568.18 E: 3264996.66	6991.28	39	TOP	N: 1420708.82 E: 3264996.56	6988.81
7	MAINT. RD/BP	N: 1420661.43 E: 3264924.56	6985.58	18	TOP	N: 1420681.80 E: 3264946.76	6991.50	29	TOP	N: 1420538.27 E: 3264946.98	6991.40	40	TOP	N: 1420704.53 E: 3265006.12	6988.51
8	MAINT. RD/BP	N: 1420599.72 E: 3264917.12	6984.41	19	TOP	N: 1420694.27 E: 3264919.83	6991.50	30	BOP	N: 1420590.80 E: 3264903.71	6985.00	41	TOP	N: 1420678.56 E: 3265043.36	6987.49
9	MAINT. RD/BP	N: 1420606.47 E: 3264909.41	6984.76	20	TOP	N: 1420684.77 E: 3264977.80	6991.50	31	BOP	N: 1420578.94 E: 3264914.45	6984.64	42	TOP	N: 1420613.48 E: 3265051.34	6985.23
10	MAINT. RD	N: 1420577.47 E: 3264854.21	6991.50	21	TOP	N: 1420623.26 E: 32645013.33	6991.50	32	BOP	N: 1420578.26 E: 3264947.79	6985.30	43	TOP	N: 1420520.98 E: 3265006.10	6988.86
11	MAINT. RD	N: 1420567.13 E: 3264856.04	6991.50	22	TOP	N: 1420572.68 E: 3264987.74	6991.50	33	BOP	N: 1420586.20 E: 3264960.95	6985.30	44	TOP	N: 1420506.42 E: 3264916.86	6991.10

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

Label EDB B, Public



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NO.	DATE	BY	REVISION DESCRIPTION

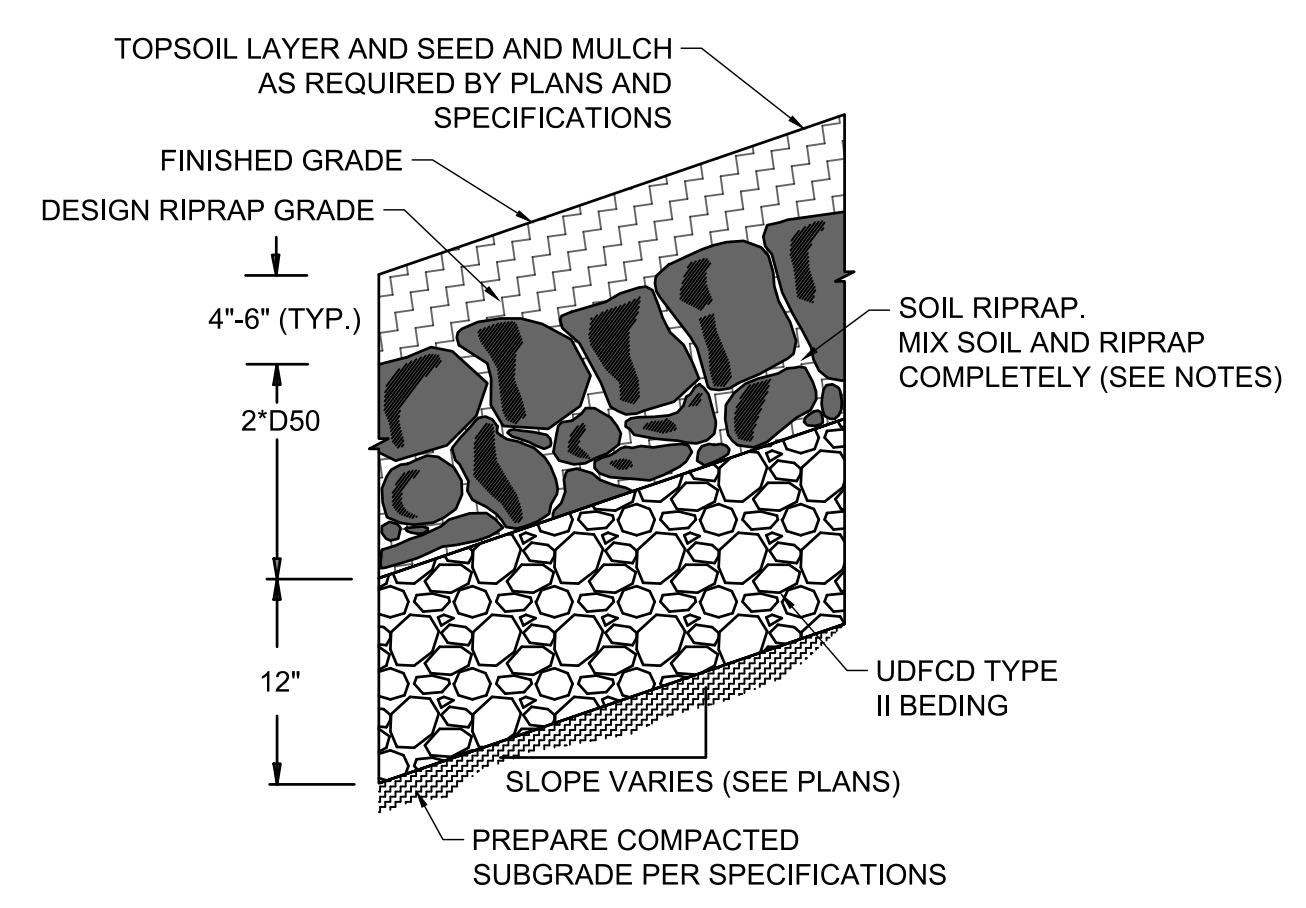
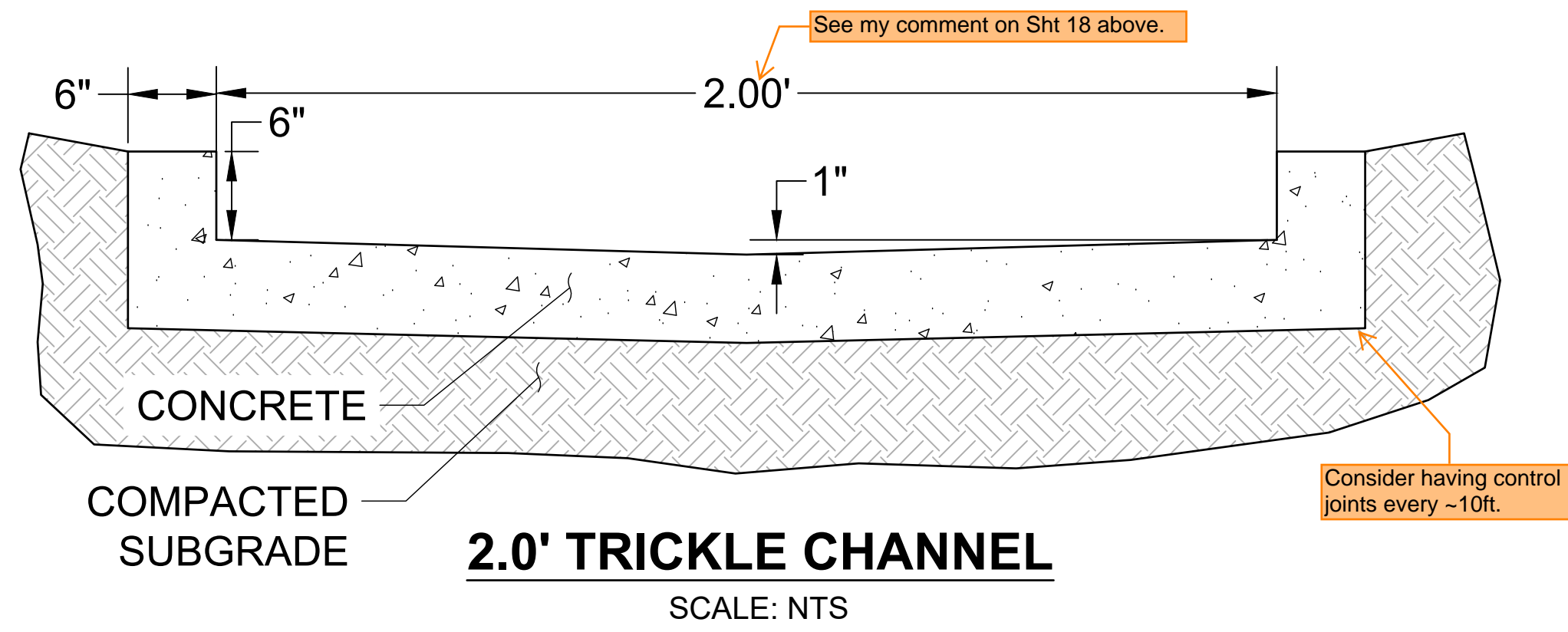
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EL PASO COUNTY, COLORADO



EASTONVILLE ROAD SEGEMENT 1 IMPROVEMENTS
POND GRADING PLAN

SHEET PD.4 18



- 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 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).
 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.

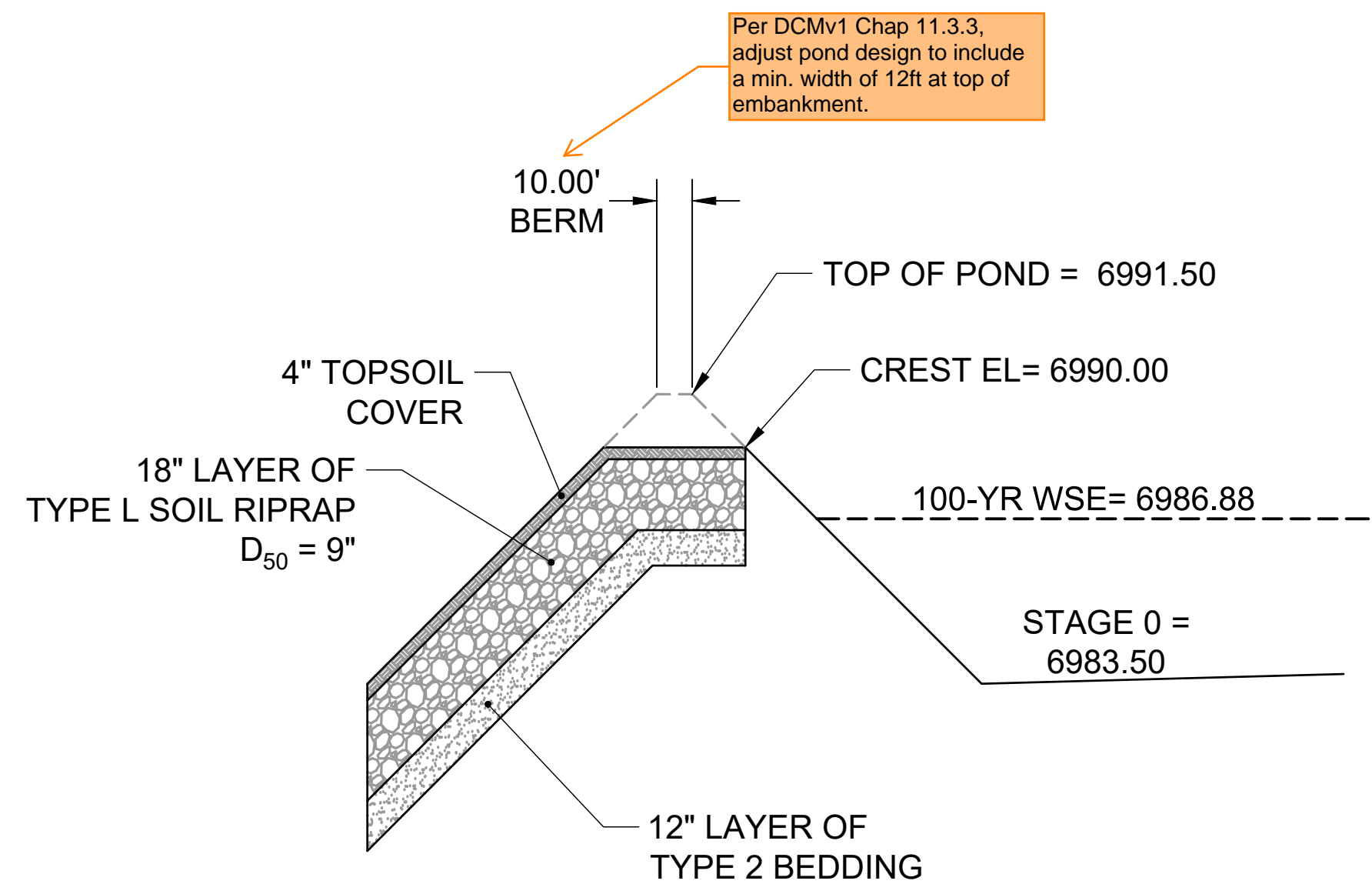
SOIL RIPRAP EMBANKMENT PROTECTION WITH BEDDING TYP. SECTION

N.T.S

TYPE L RIPRAP

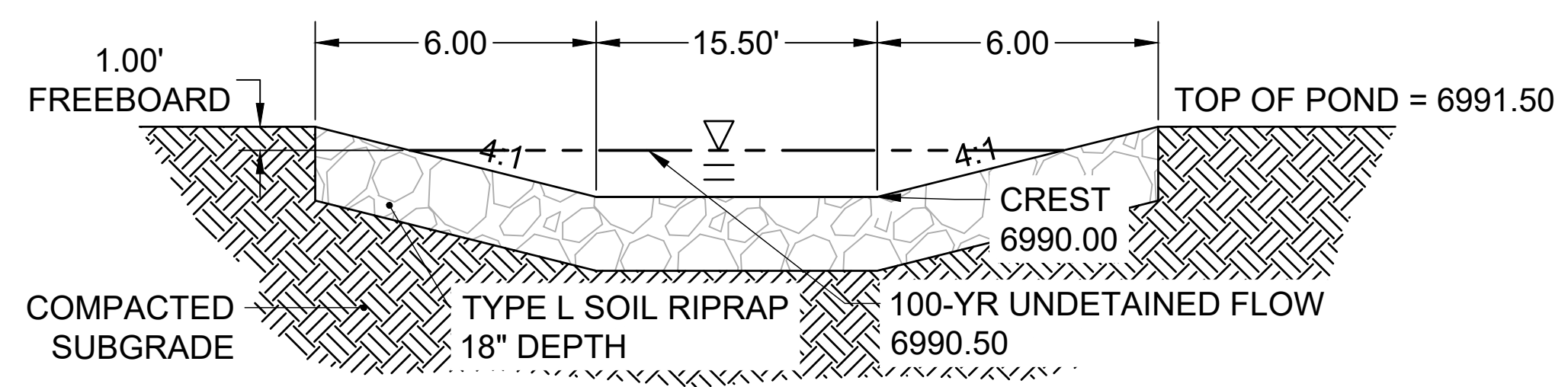
INTERMEDIATE ROCK DIMENSION (IN .)	PERCENT PASSING (%)
15	70-100
12	50-70
9	35-50
3	2-10

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



PROFILE VIEW – EMERGENCY OVERFLOW SPILLWAY

SCALE: NTS



SECTION VIEW – EMERGENCY SPILLWAY

SCALE: NTS

Label EDB B, Public



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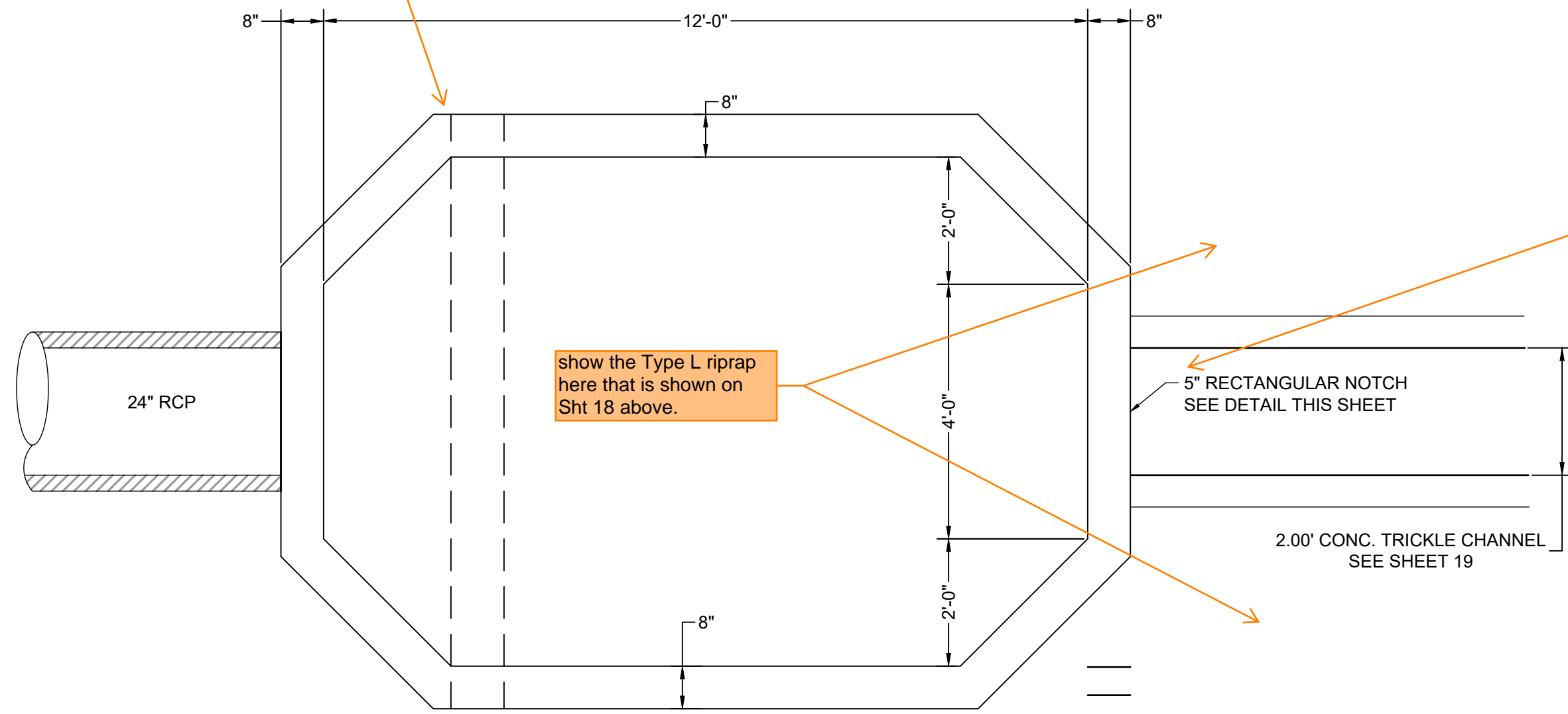
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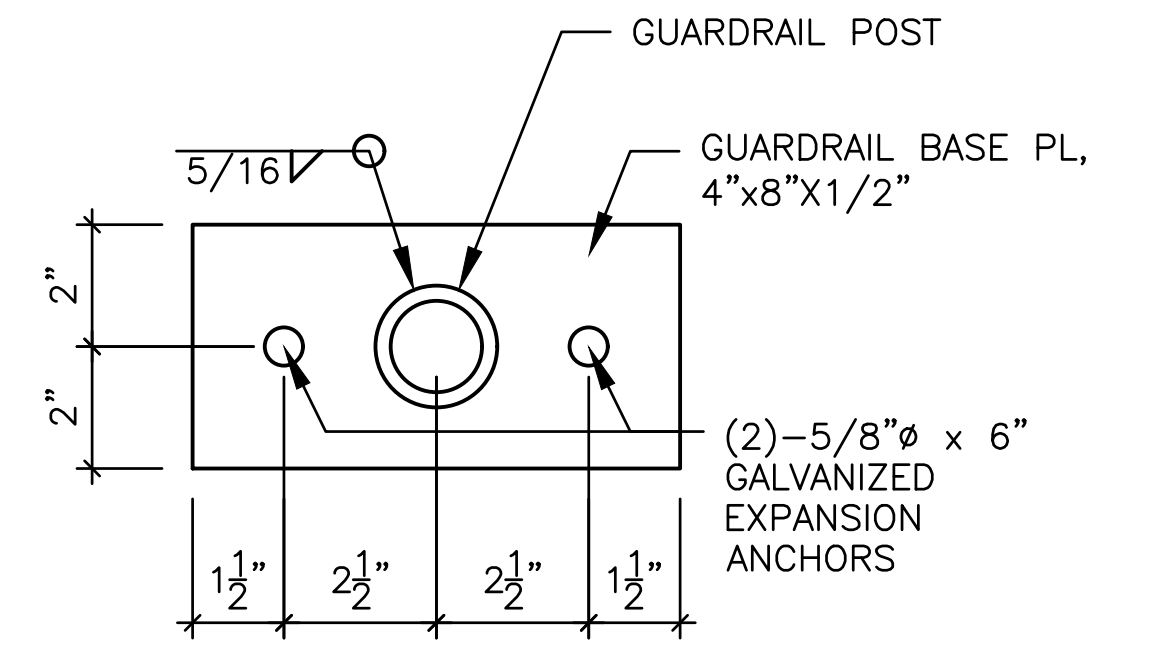
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EASTONVILLE ROAD SEGEMENT 1 IMPROVEMENTS
 POND DETAILS

Per MHPD USDCMv2 Chap 9, Section 3.2.4 (pdf pages 89 to 99), baffles are required for inlet pipes up to 48" diameter. Use Type VI impact basin for larger pipes or higher exit velocities. Also see req's in DCMv1 Chap 10.8.

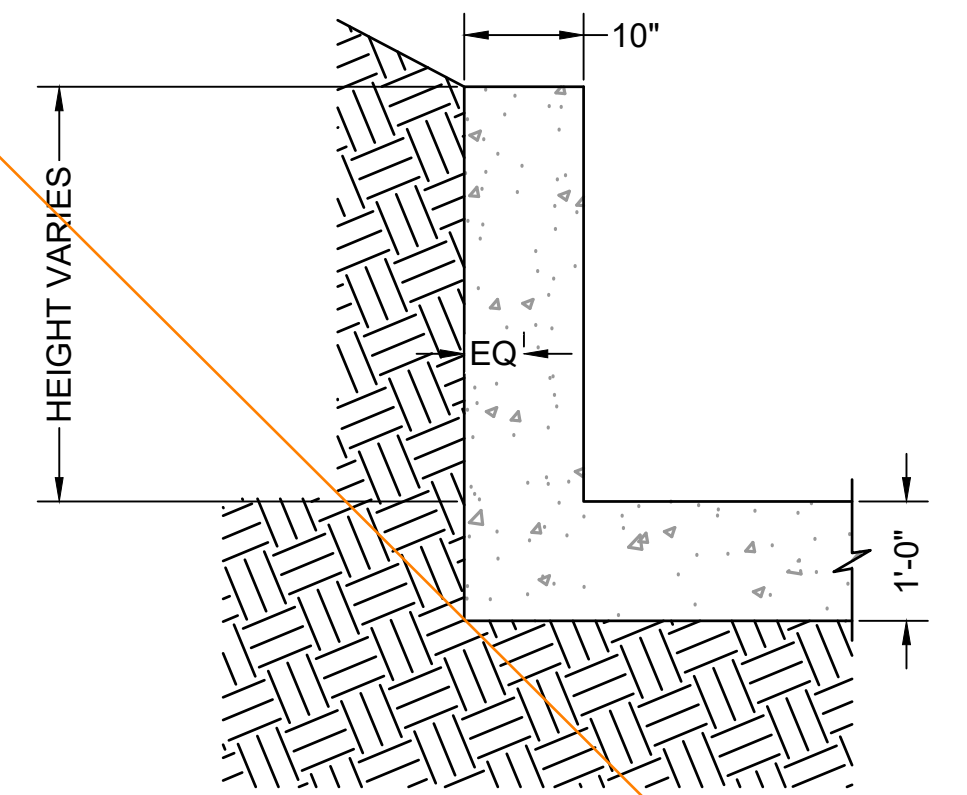


Does not match what is shown on UD-BMP calcs in FDR (3.4"). Revise to remove discrepancy.



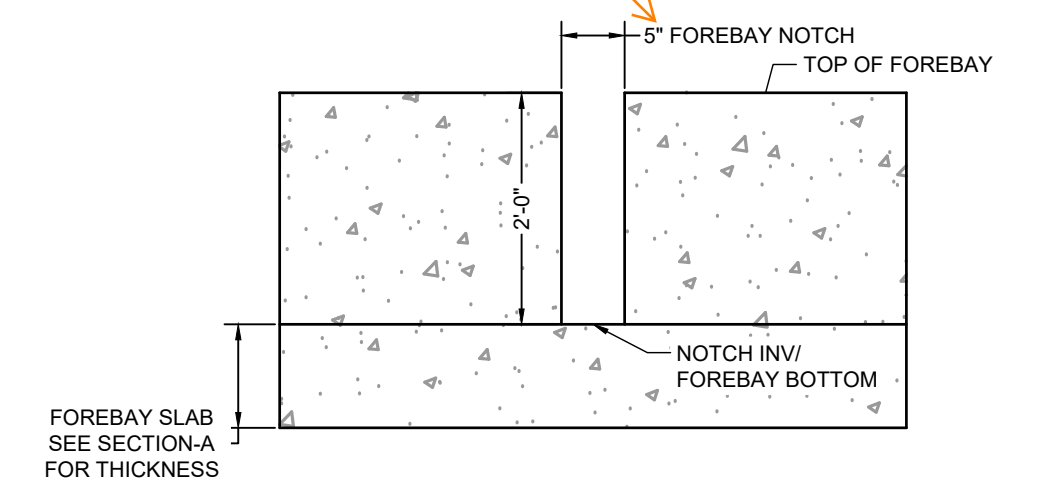
ELEVATION VIEW
HANDRAIL POST DETAIL

SCALE: NTS



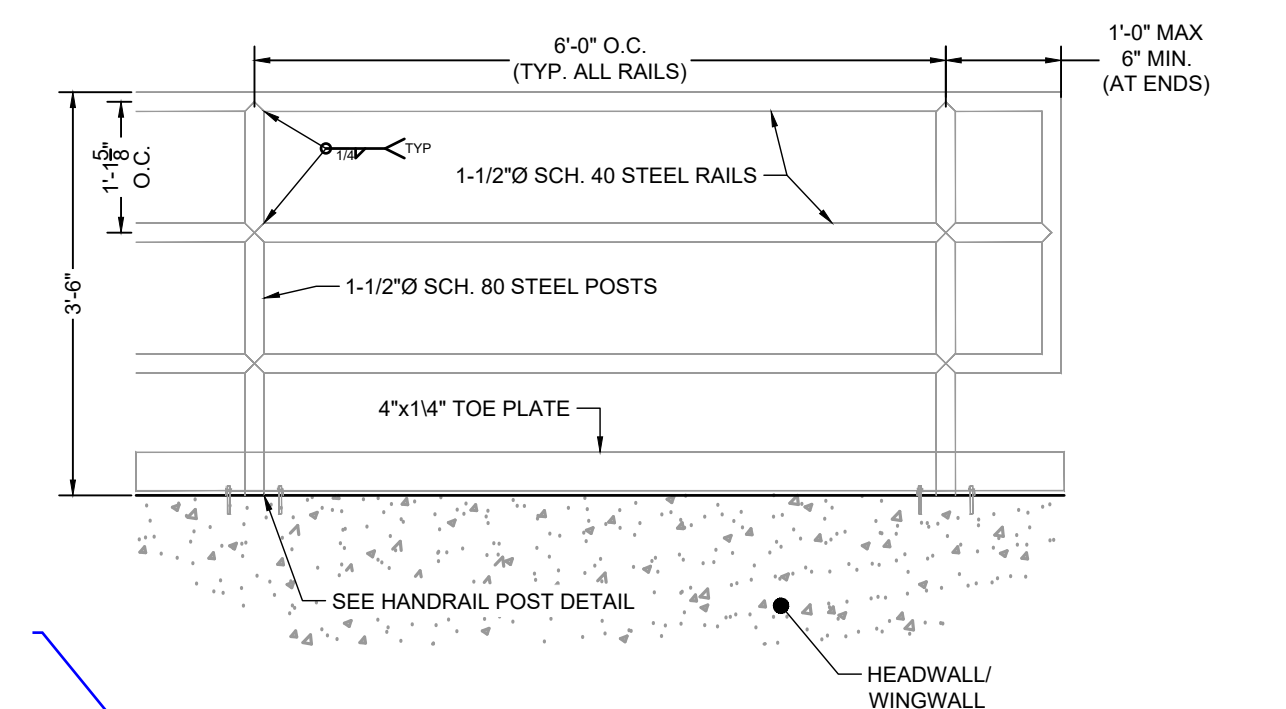
ELEVATION VIEW
FOREBAY WINGWALL REINFORCEMENT DETAIL

SCALE: NTS



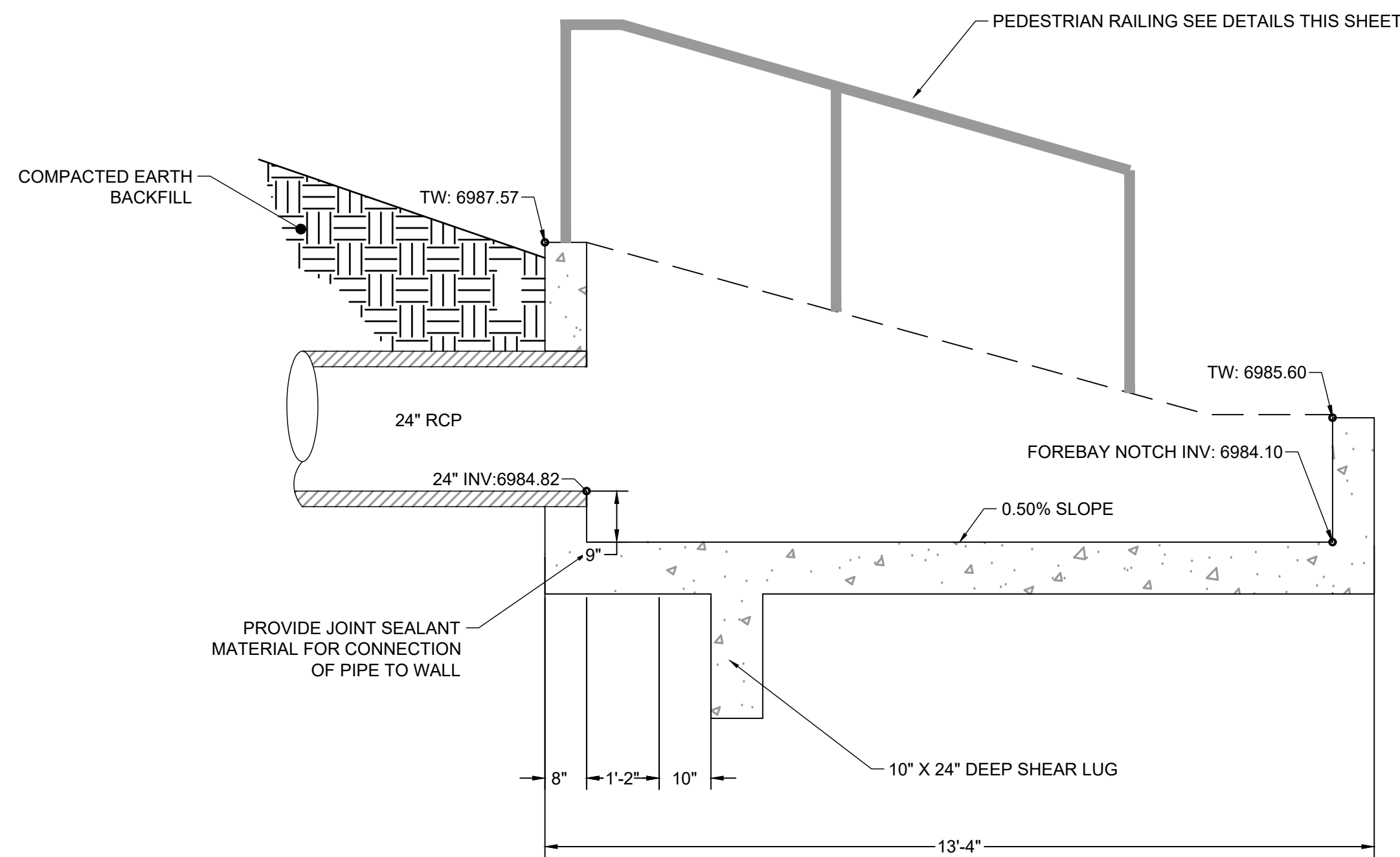
ELEVATION VIEW
FOREBAY NOTCH DETAIL

SCALE: NTS



ELEVATION VIEW
HANDRAIL POST DETAIL

SCALE: NTS



Label EDB B, Public



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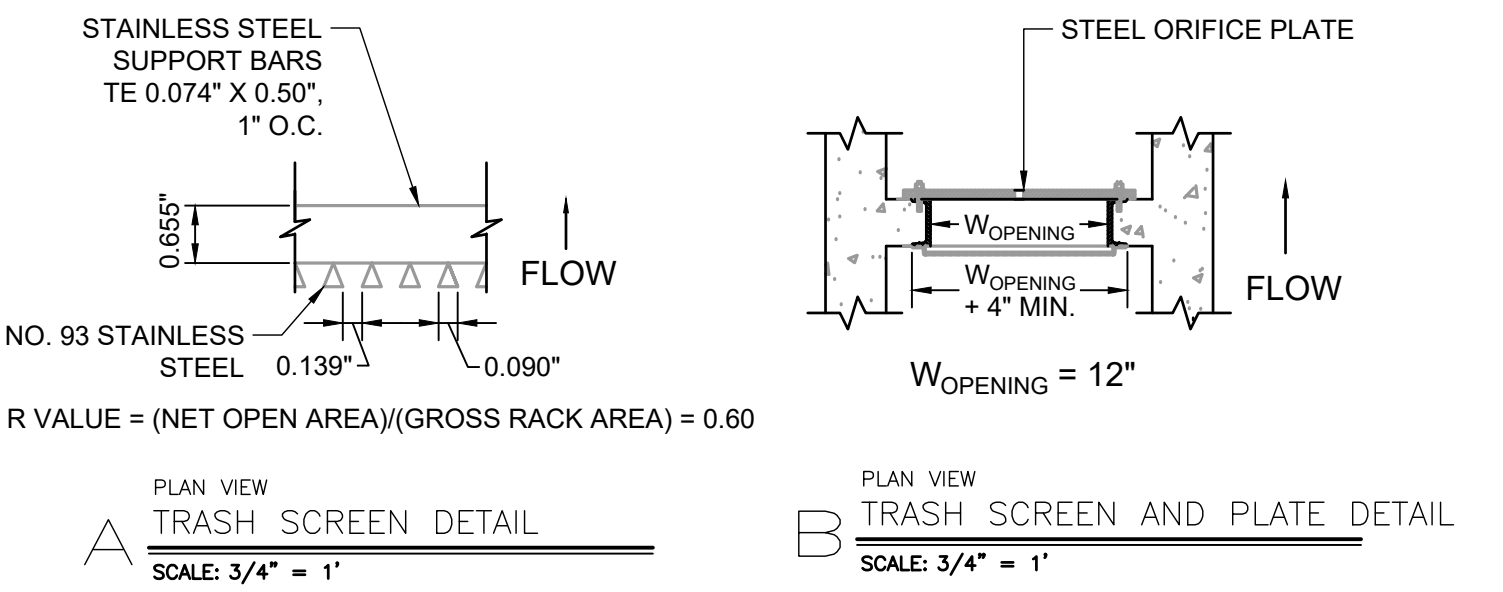
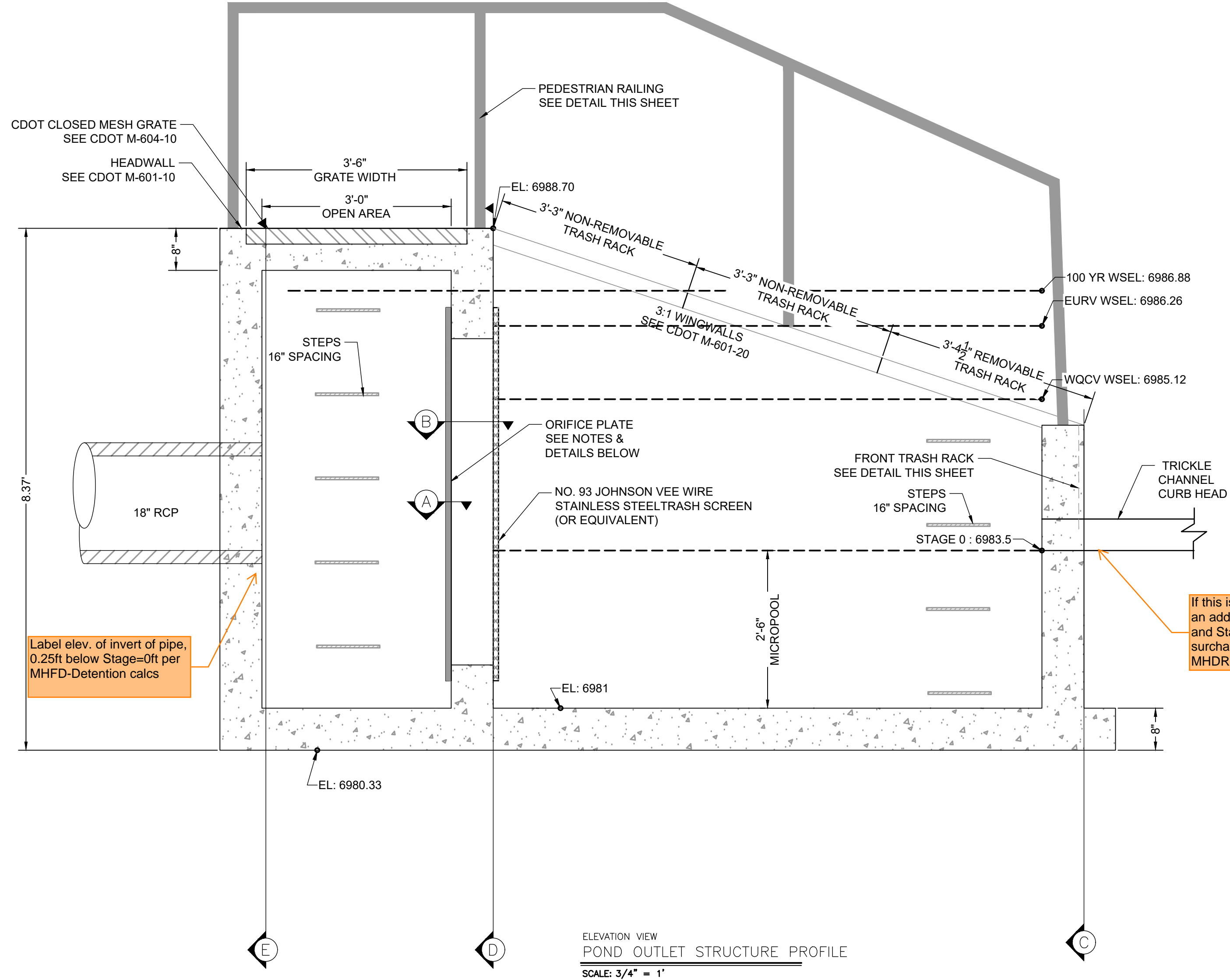
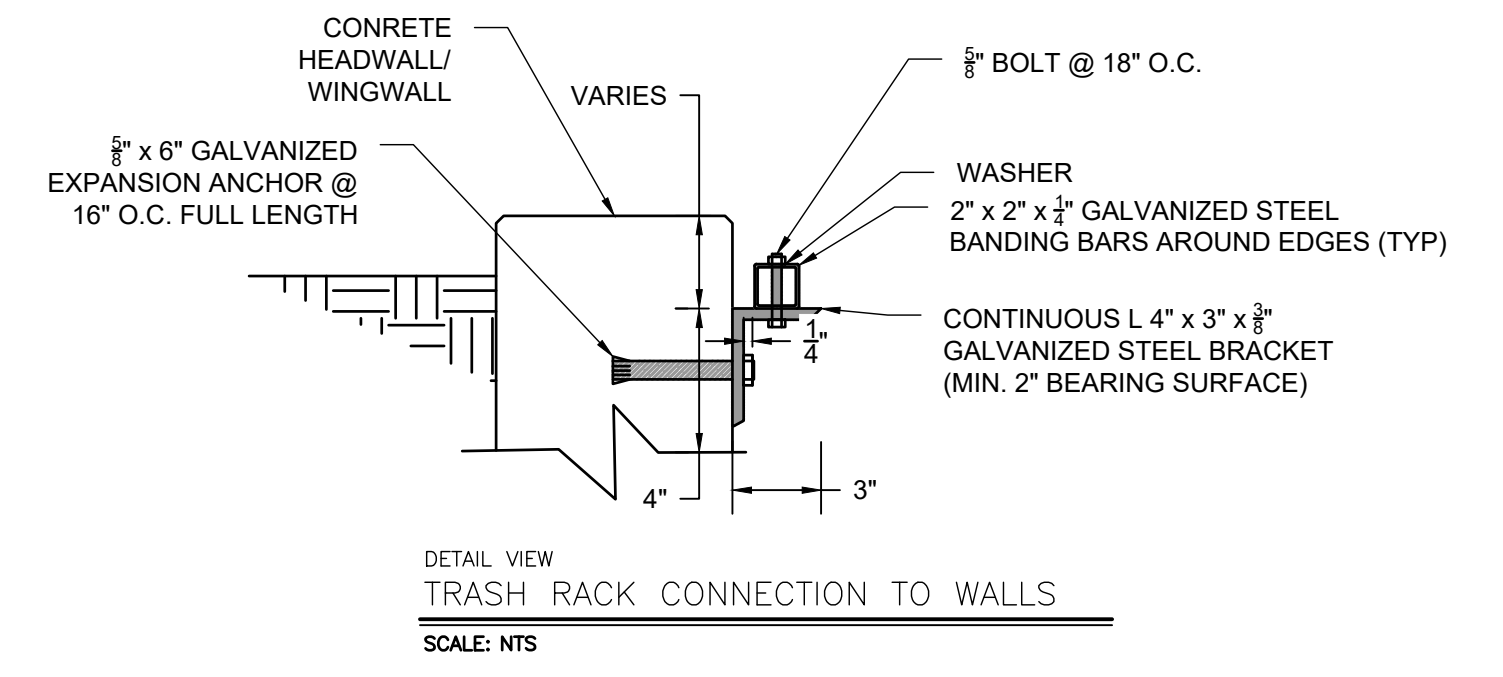
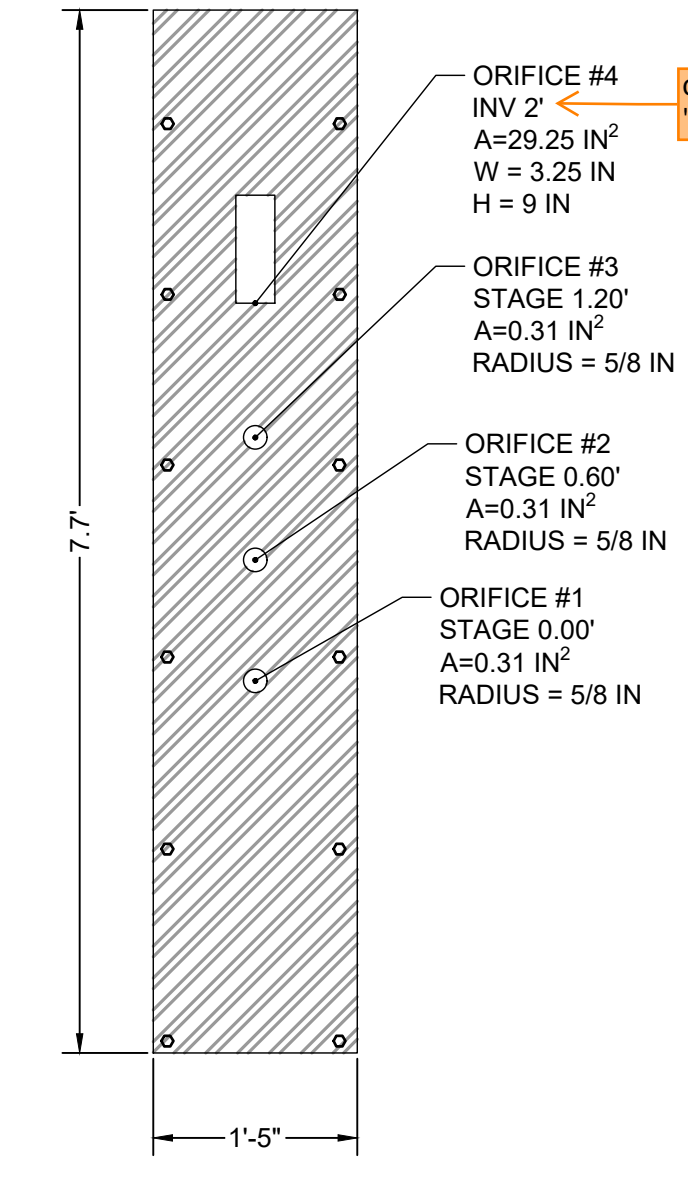
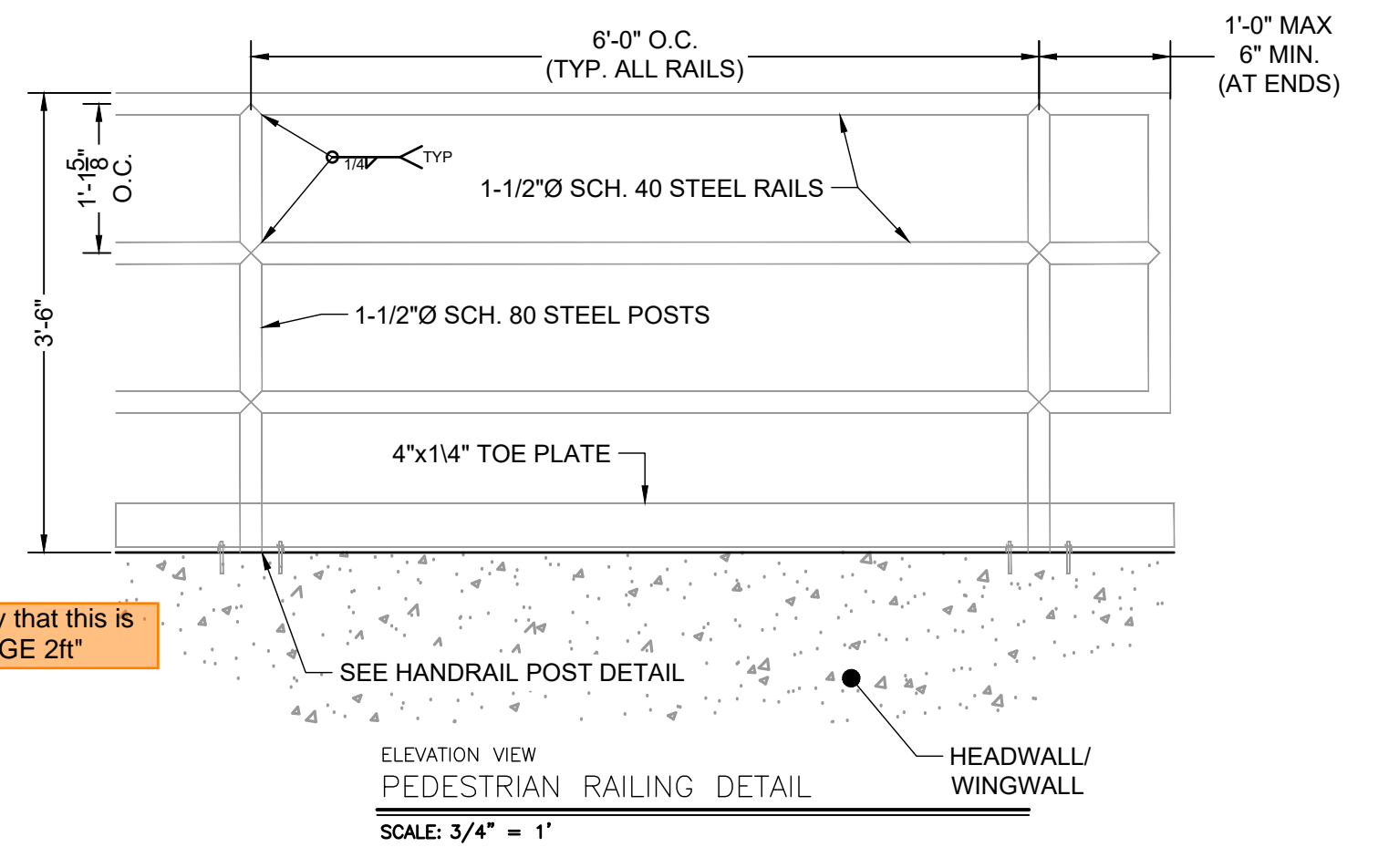
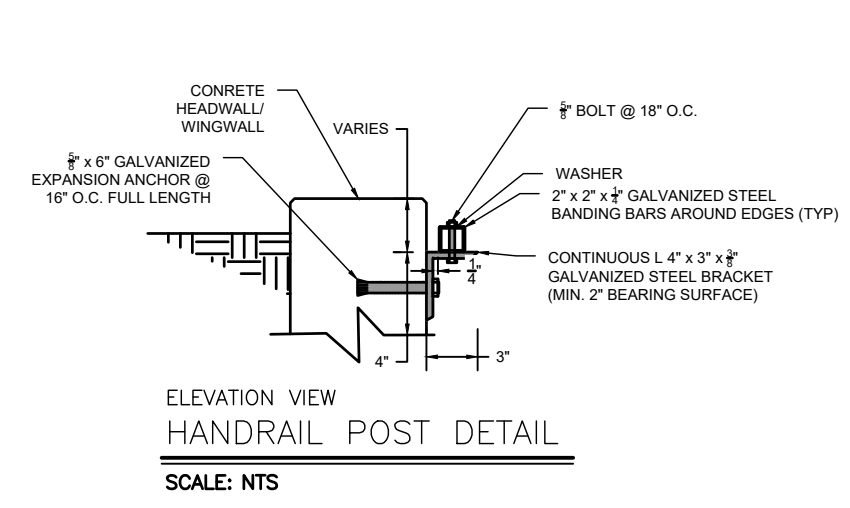
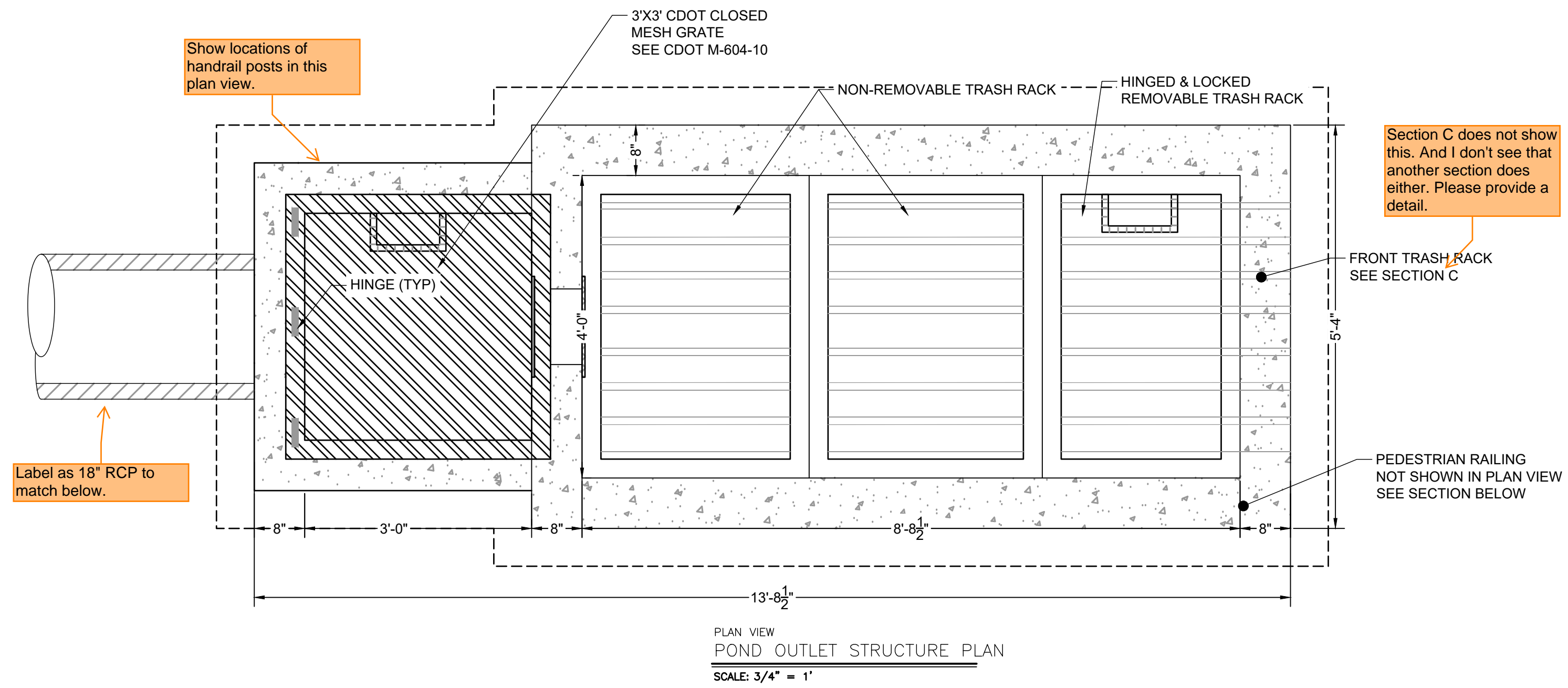
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EASTONVILLE ROAD SEGEMENT 1 IMPROVEMENTS
FOREBAY DETAILS

SHEET
PD.6
20



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\CI\Eastonville_Road_662.08\Segment_1\CD\Road_CDs\Outlet_Structure_Details		

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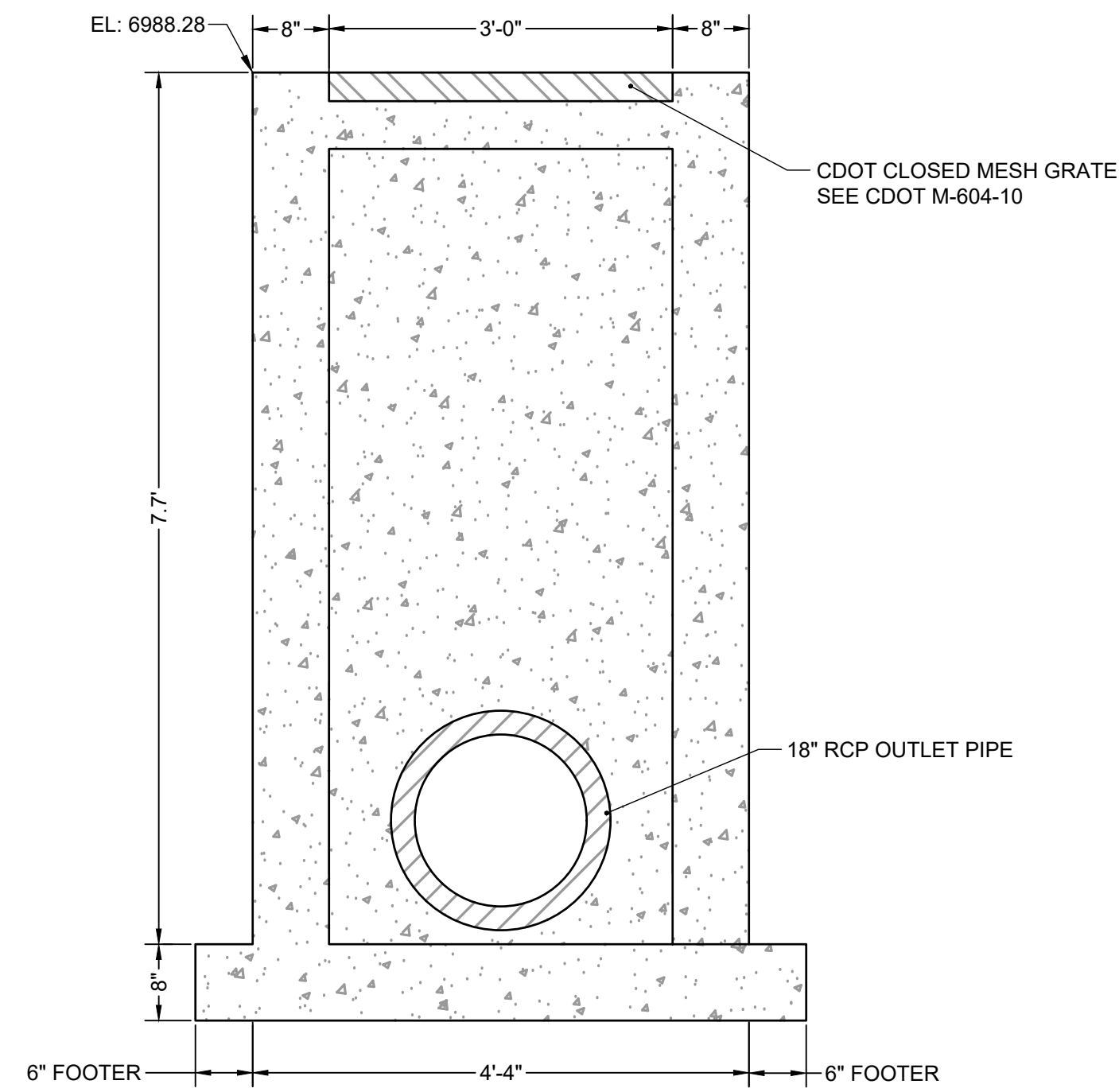
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EL PASO COUNTY, COLORADO

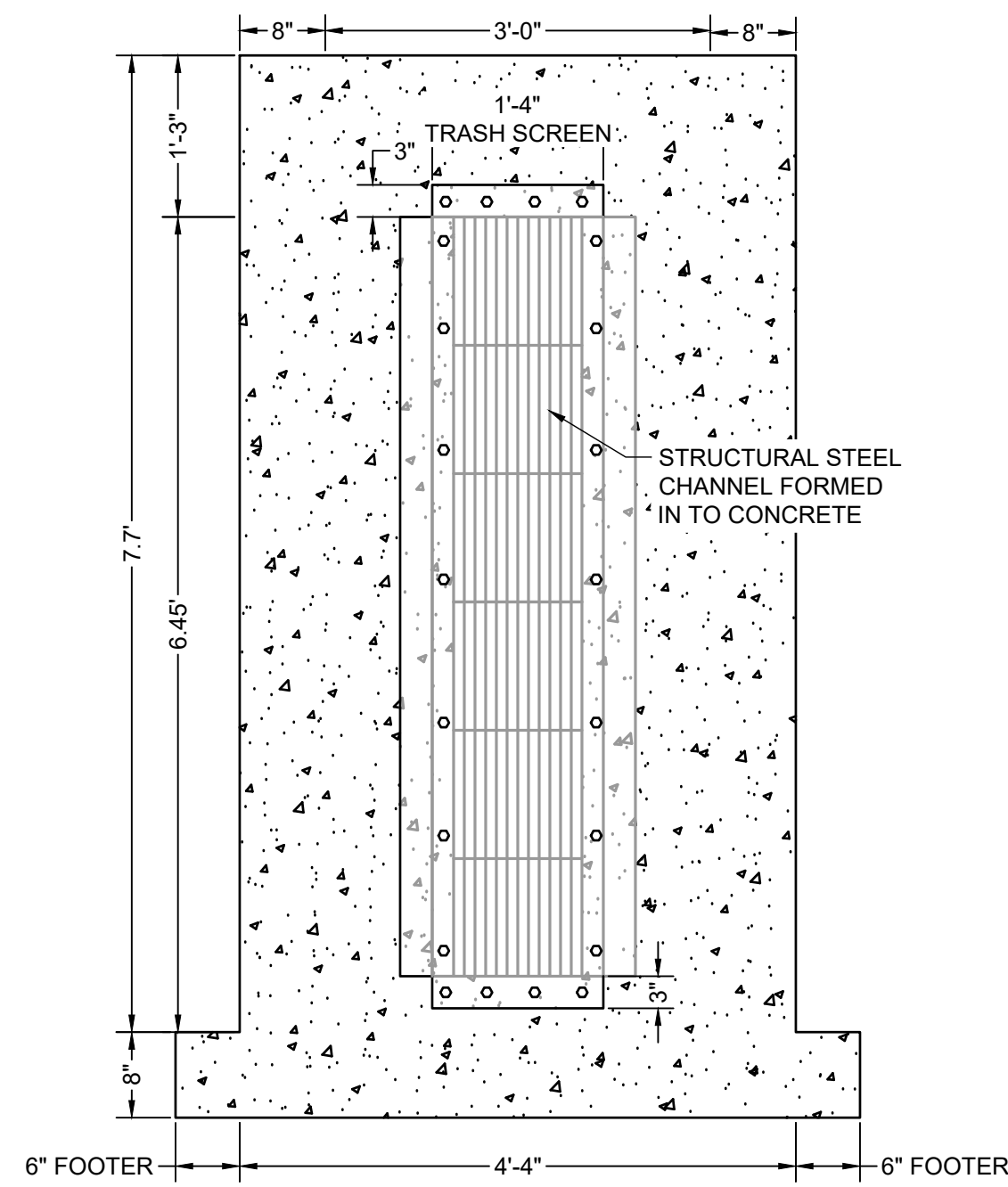


EASTONVILLE ROAD SEGEMENT 1 IMPROVEMENTS
OUTLET STRUCTURE DETAILS

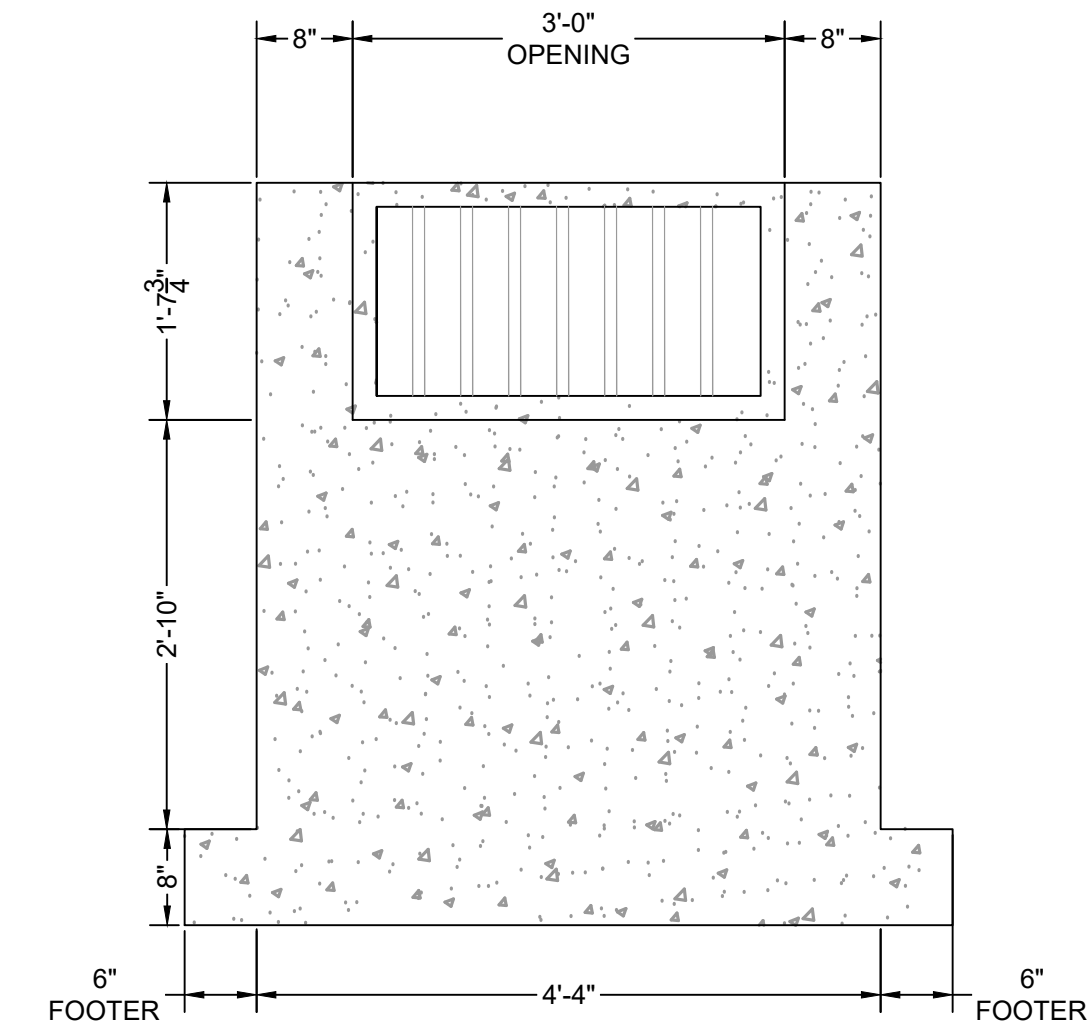
SHEET
PD.7
21



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



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



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

Add a label to plan view on the previous sheet for "See Section E"

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:

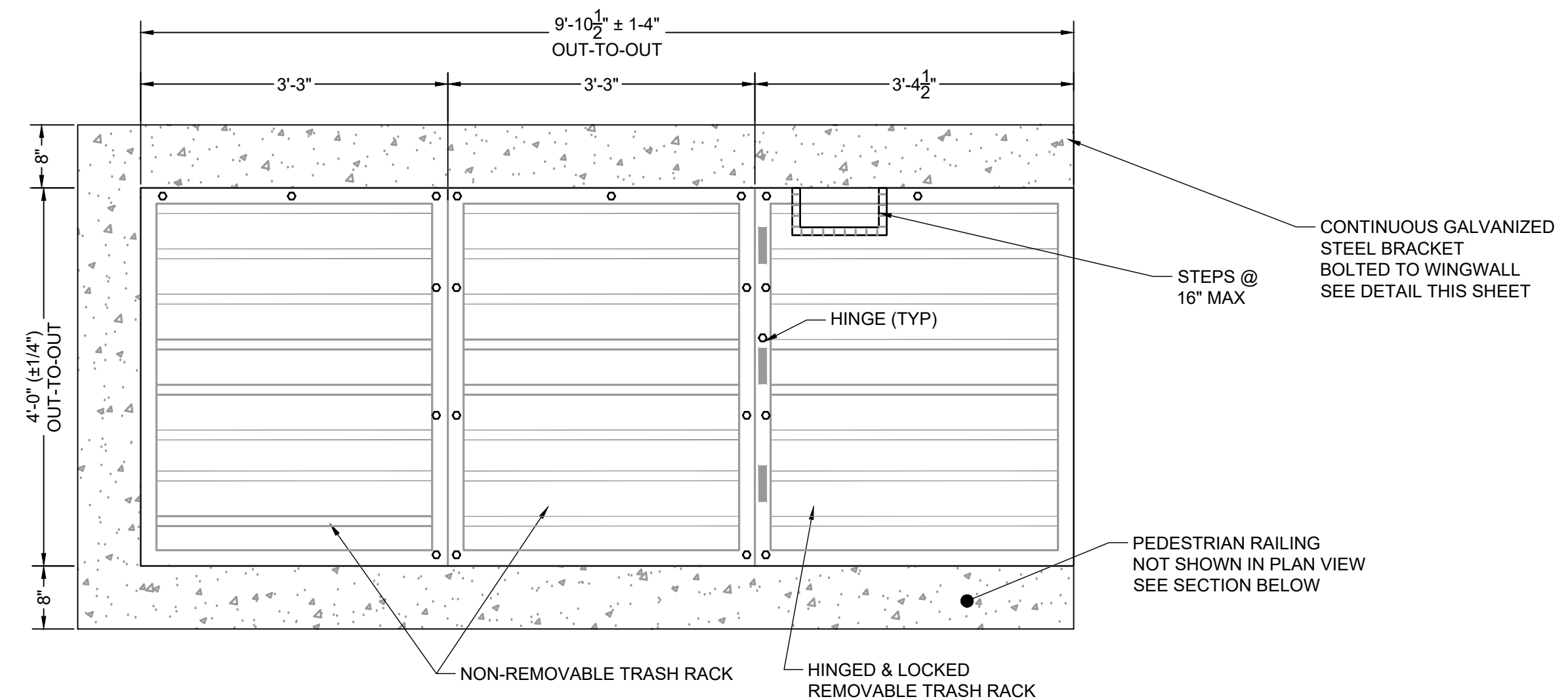
1. WELL-SCREEN TRASH RACKS SHALL BE STAINLESS STEEL AND SHALL BE ATTACHED BY INTERMITTENT WELDS ALONG THE EDGE OF THE MOUNTING FRAME.
2. BAR GATE TRASH RACKS SHALL BE ALUMINUM AND SHALL BE BOLTED USING STAINLESS STEEL HARDWARE.
3. TRASH RACK OPEN AREAS ARE FOR SPECIFIED TRASH RACK MATERIALS. TOTAL TRASH 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.

Label EDB B, Public

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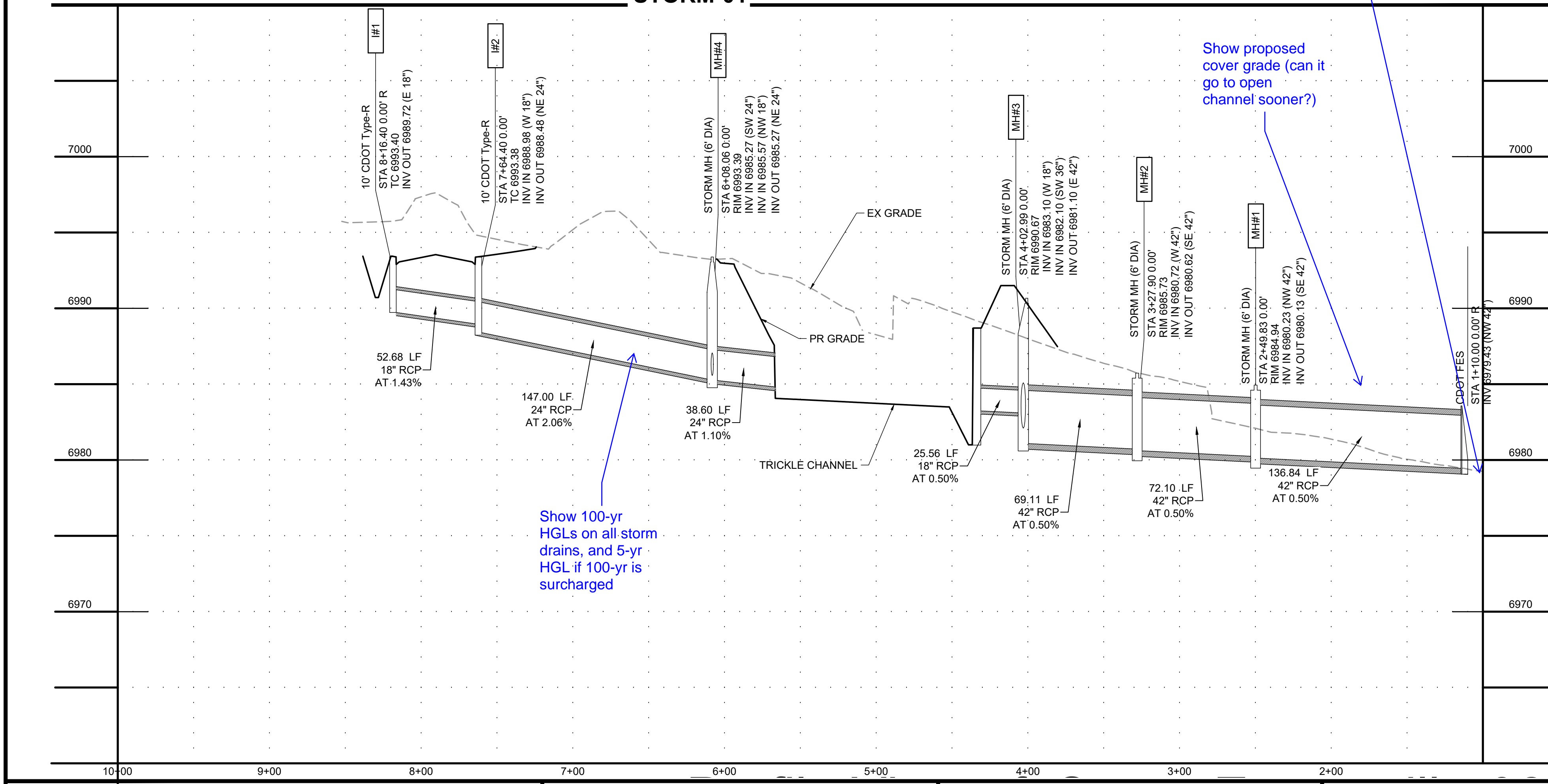
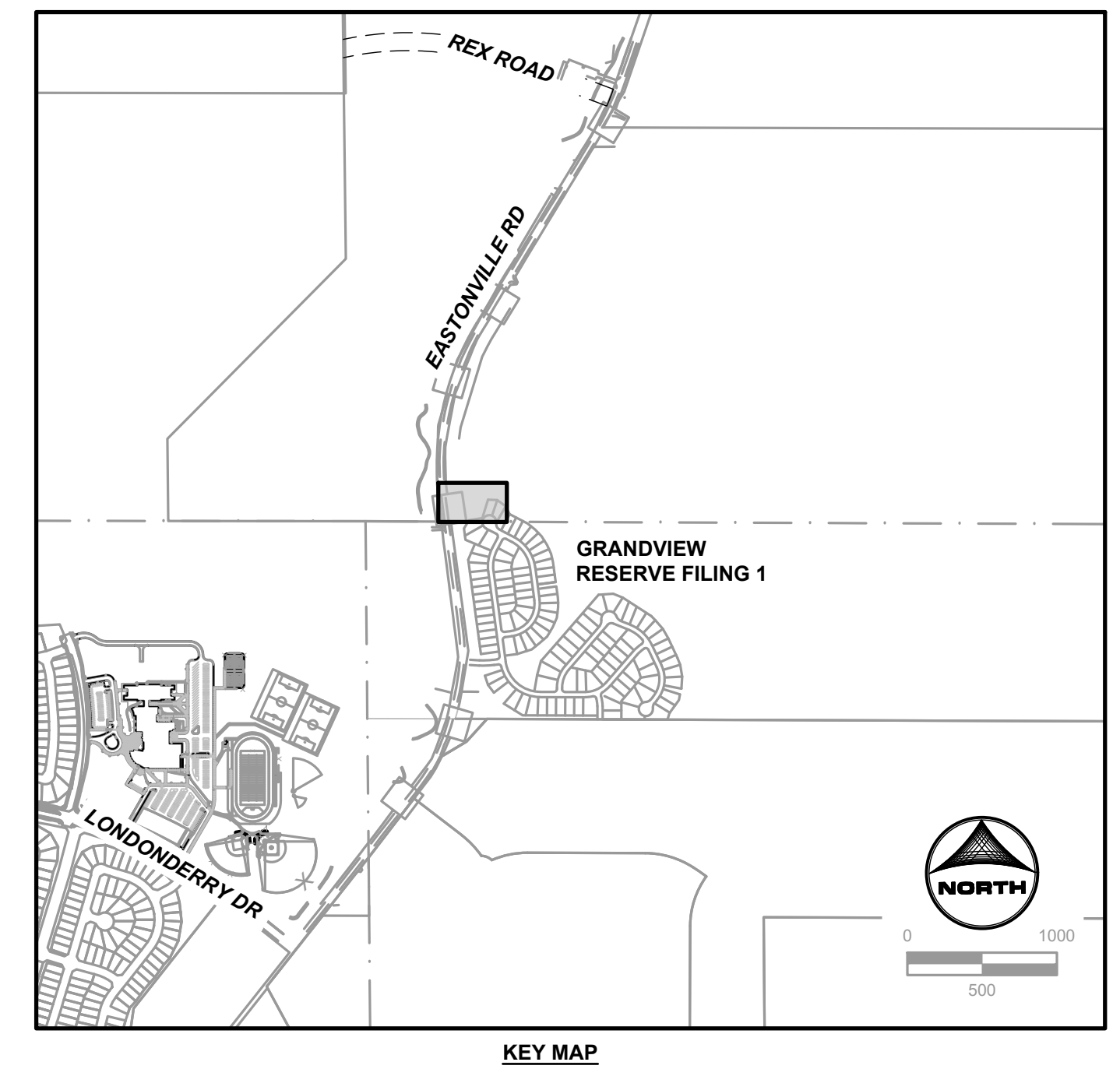
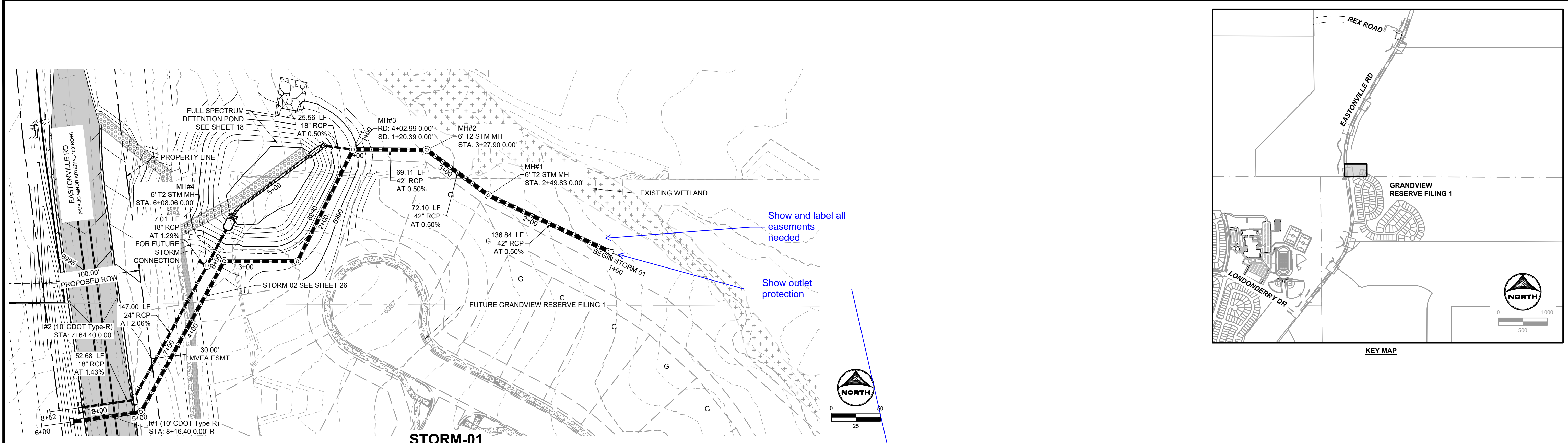
EASTONVILLE ROAD IMPROVEMENTS
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 EL PASO COUNTY, COLORADO



EASTONVILLE ROAD SEGEMENT 1 IMPROVEMENTS
 OUTLET STRUCTURE DETAILS

SHEET
PD.8

22



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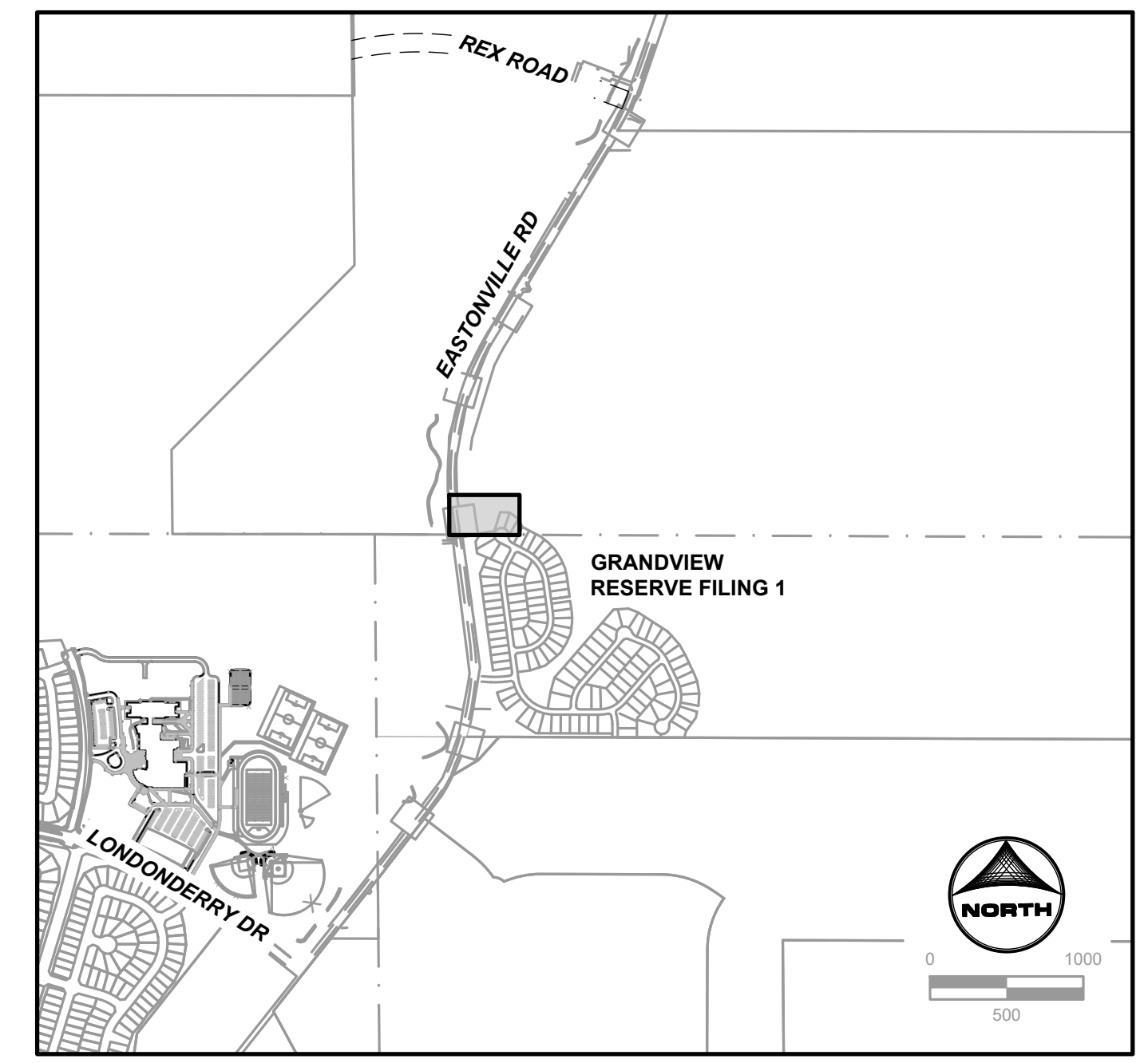
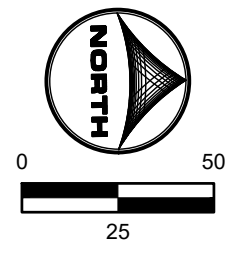
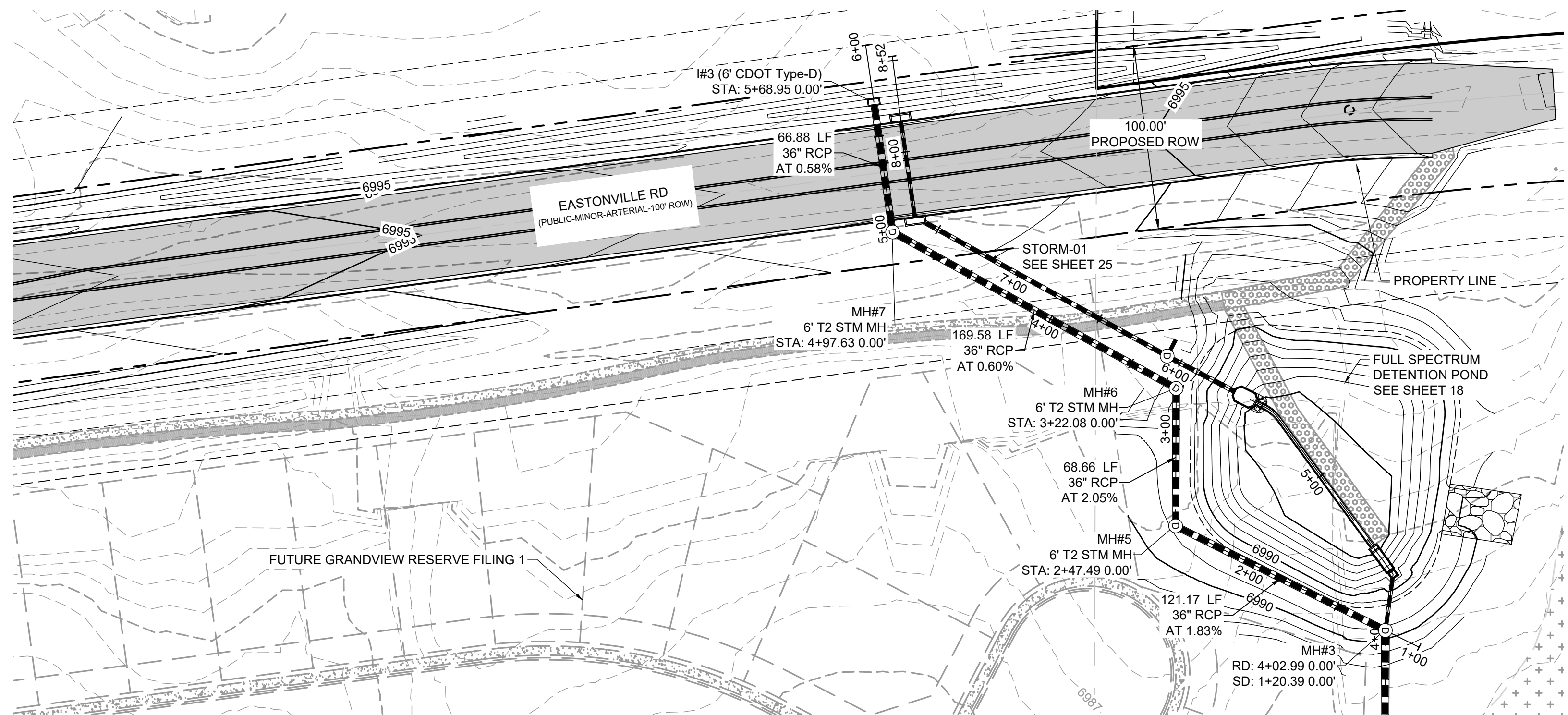
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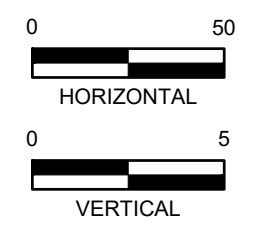
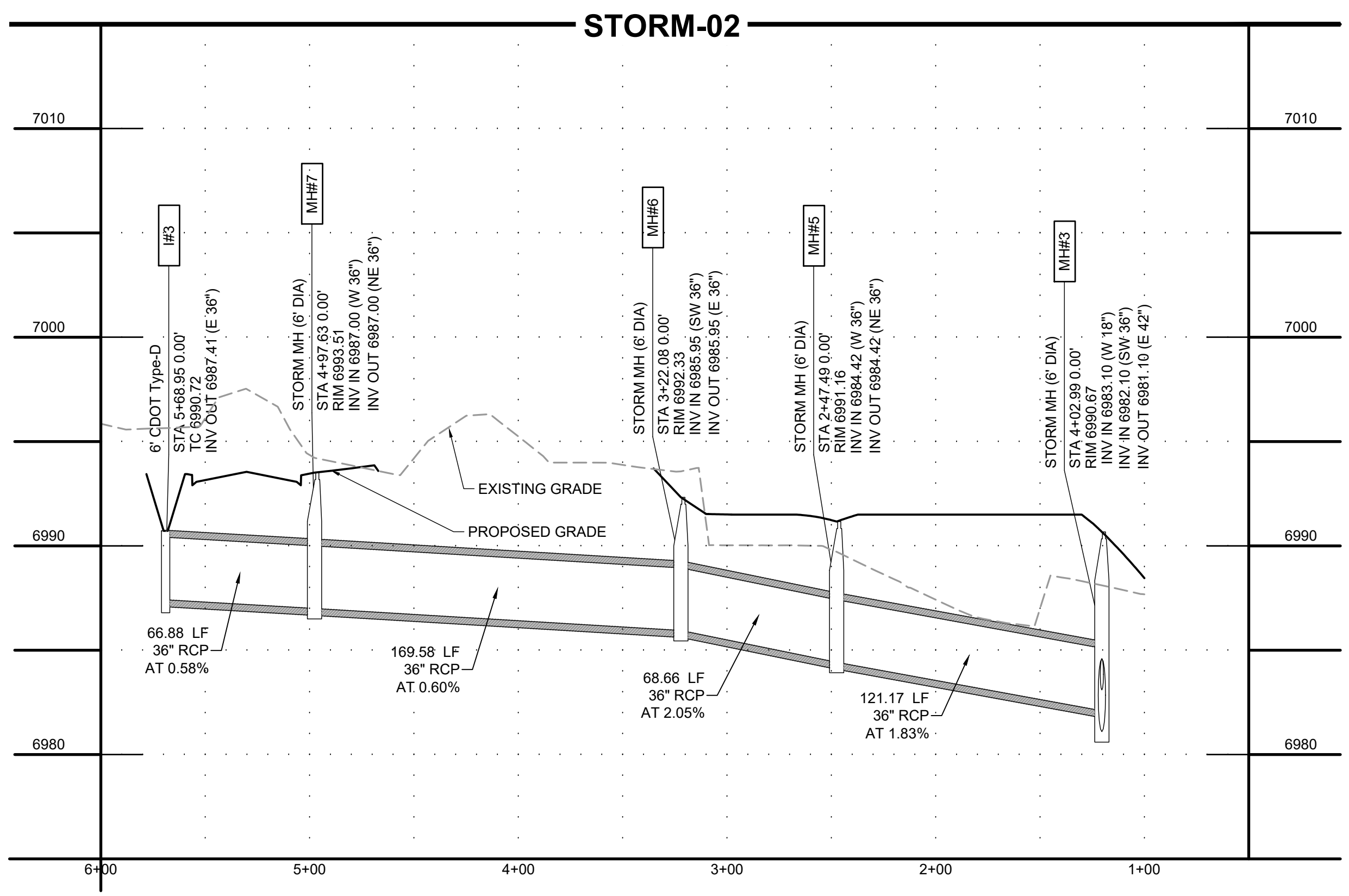


STORM PLAN & PROFILE
 STORM PLAN AND PROFILE

SHEET
STM.3 25



KEY MAP
1"=1000'



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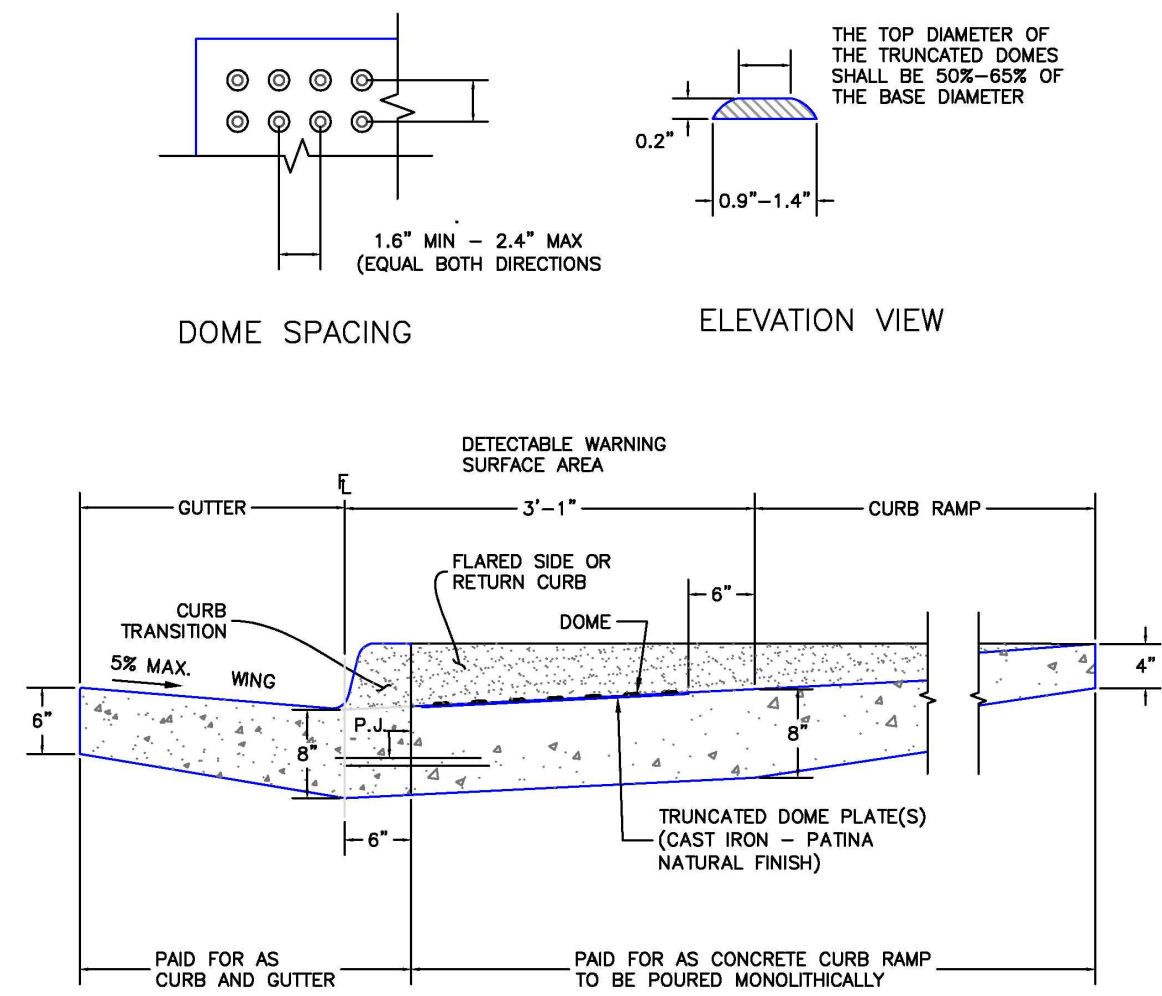
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EASTONVILLE ROAD SEGEMENT 1 IMPROVEMENTS
 STORM PLAN AND PROFILE

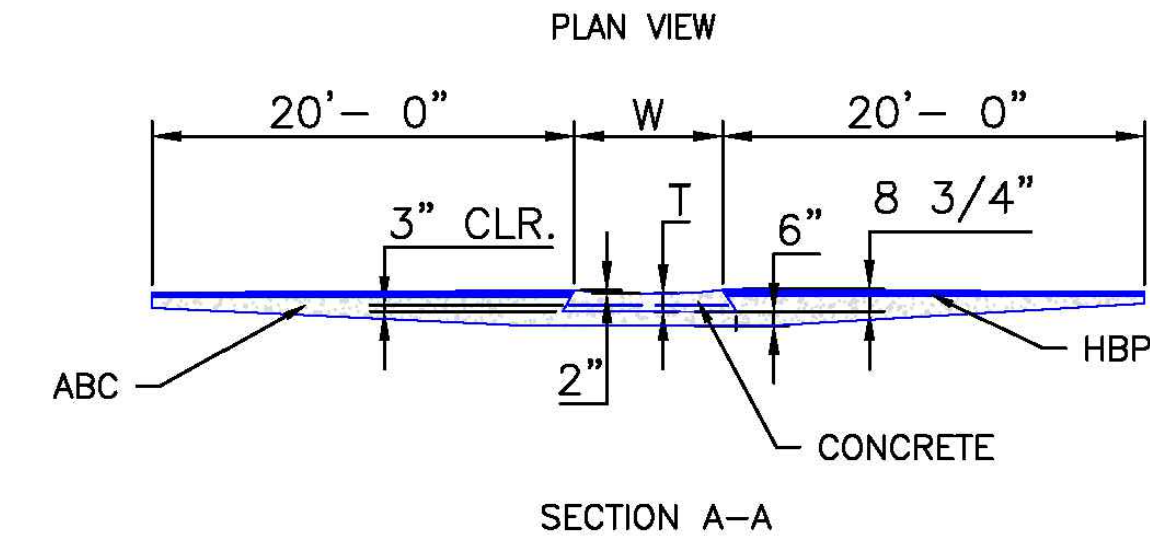
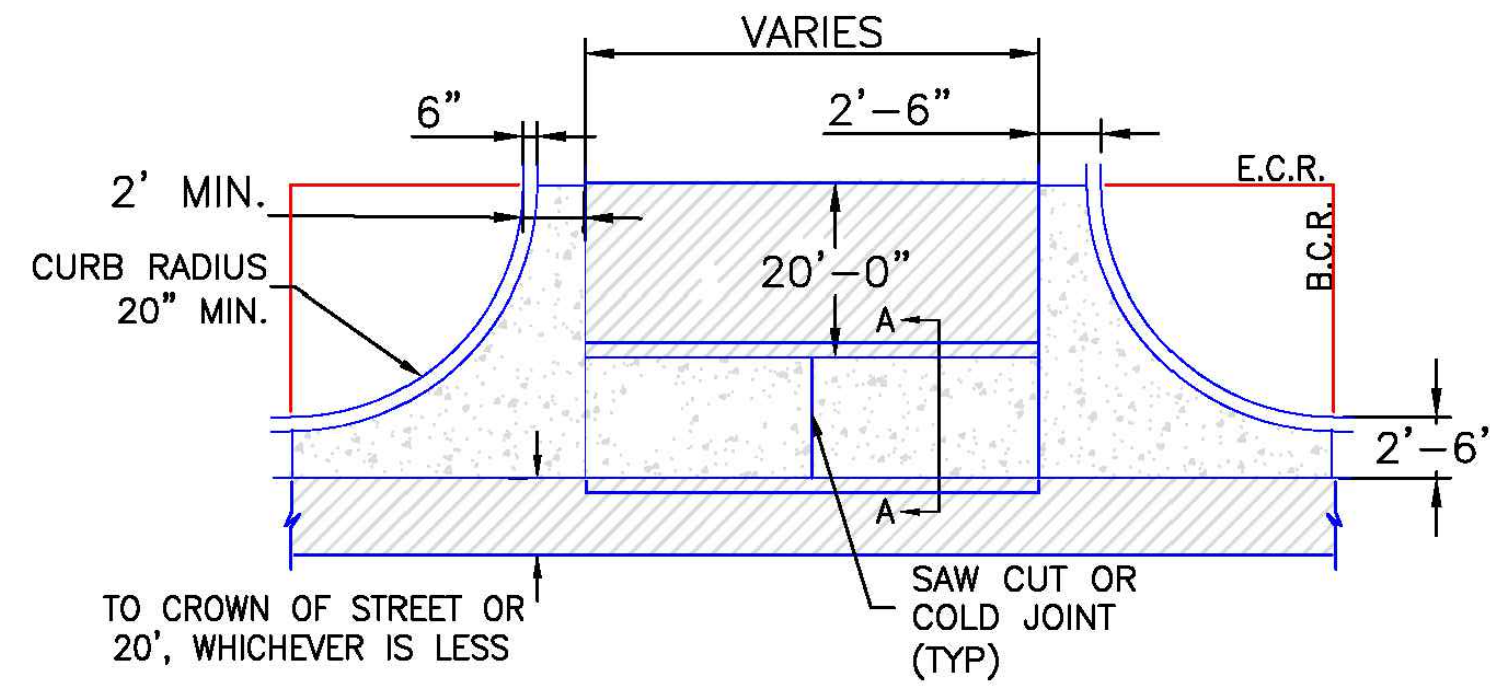
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STM.4
 26

HR GREEN file: xpl-1-rd01; general_construction_notes; Signing_n; Stripping_Notes; Standard_El Paso_Notes; Signature_Blocks; Agency_List; Grading_Plan_Legend_2; List_of_Abbreviations; EPC_Parcel; x-row-662; v-dgn-662; Roundabout_Curb_Details; Bike_ramp_detail; Roadside_Swale

TRUNCATED DOME DETAILS

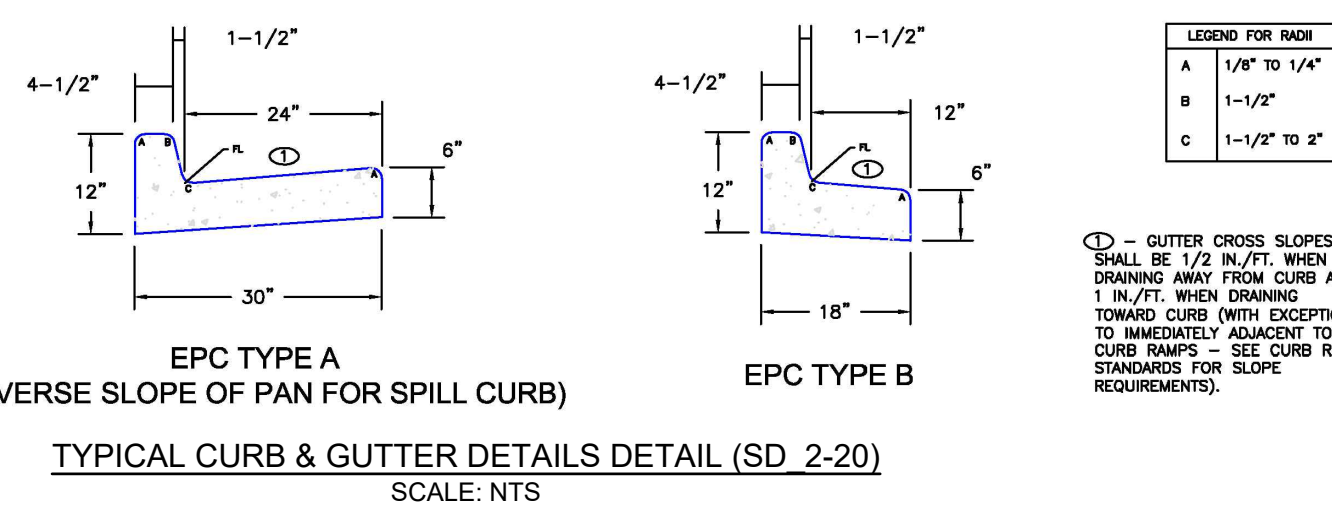
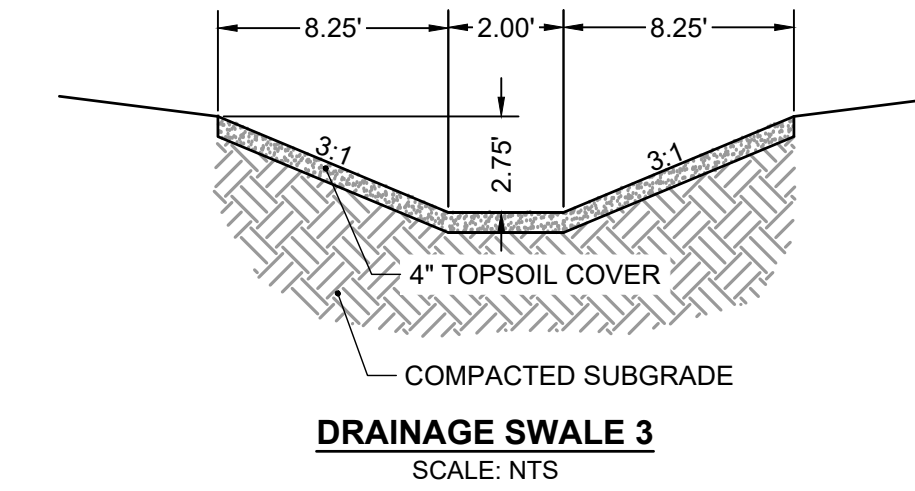
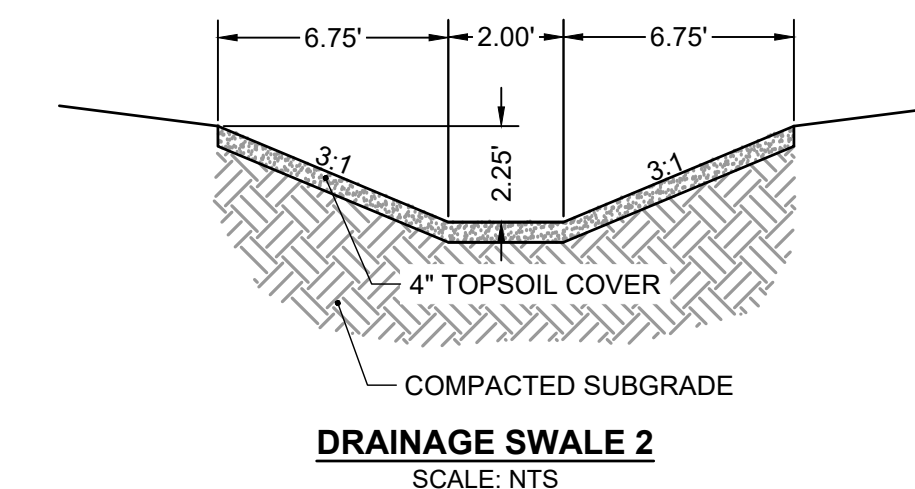
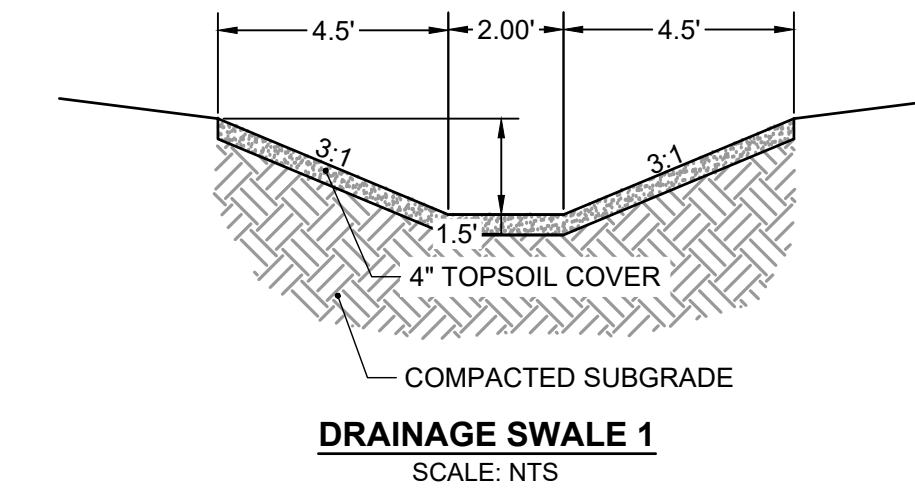


P.J. = PERMISSIBLE JOINT WITH EPOXY-COATED DEFORMED NO. 4 BARS CONFORMING TO AASHTO M 284 AT 18 IN. SPACING
DETECTABLE WARNING SURFACE DETAILS (SD 2-42)
SCALE: NTS



NOTES

1. W - WIDTH SHALL BE 6' FOR LOCAL, 8' FOR COLLECTORS, AND 10' FOR ARTERIAL ROADS.
2. 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.
3. [Hatched Area] = 3" MINIMUM ASPHALT DEPTH (2 LIFTS).
4. DESIGN TO SPECIFY ELEVATIONS AT PI AND PCR.
TYPICAL CROSS PAN LAYOUT DETAIL (SD 2-26)
SCALE: NTS



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EASTONVILLE ROAD SEGEMENT 1 IMPROVEMENTS
DETAILS

SHEET
DT.1
27