

EASTONVILLE ROAD FROM LONDONDERRY DR. TO REX RD. SEGMENT 2 IMPROVEMENTS STATIONING 47+00.00-76+38.45

← 79+32

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
FEBRUARY 2024

OWNER/DEVELOPER

MELODY HOMES INC. (D.R. HORTON)
9555 S. KINGSTON CT.
SUITE 200
CONTACT: RILEY HILLEN
EMAIL: 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
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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: PHIL 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) 633-2869
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

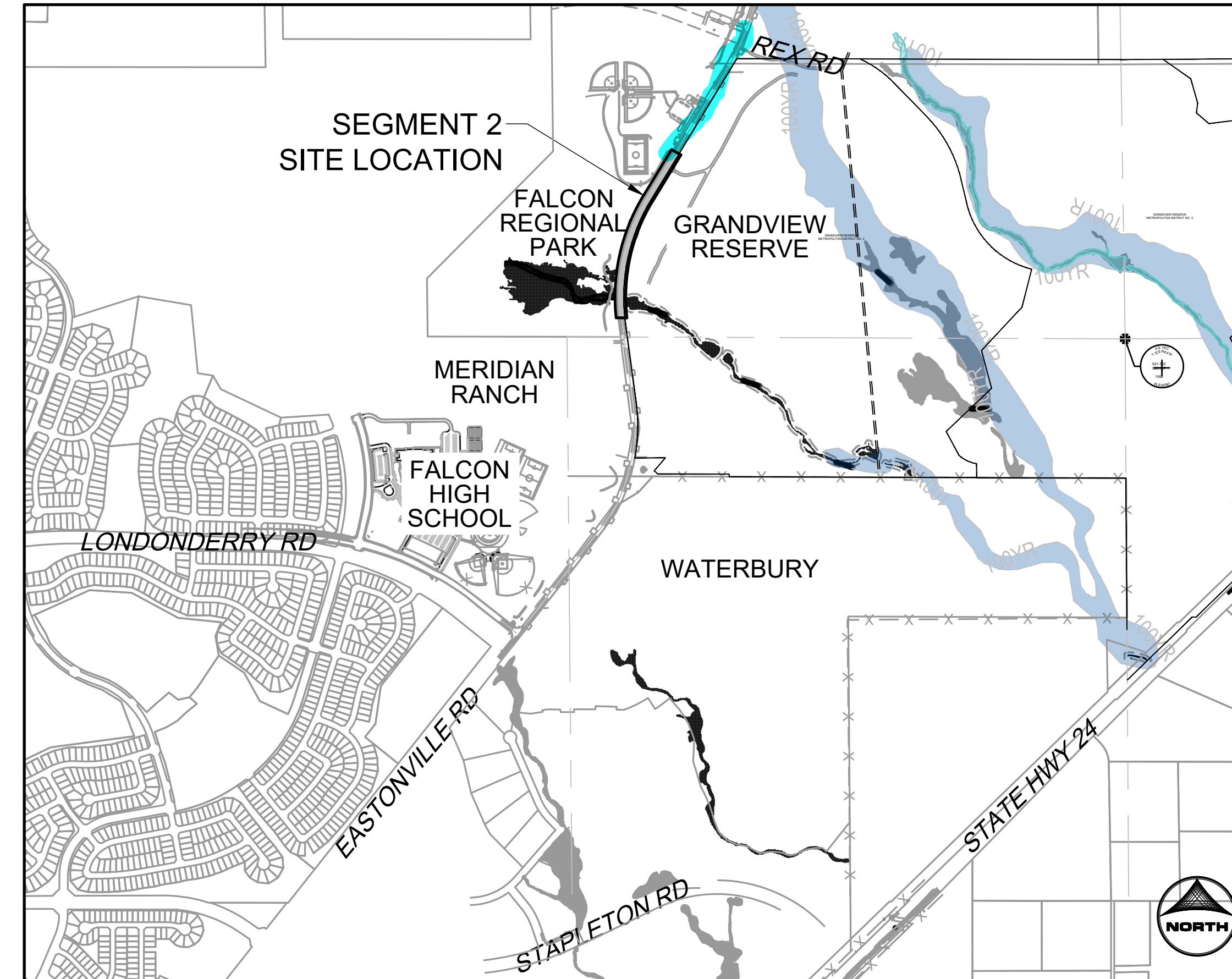
MOUNTAIN VIEW ELECTRIC ASSOCIATION, INC.
11140 E. WOODMEN RD
FALCON, CO 80831-8127
TELE: (719) 495-2283

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



VICINITY MAP
SCALE 1" = 1000'

EASTONVILLE RD. OVERALL SHEET INDEX	
SEGMENT 1	SHEETS 1 - 27
SEGMENT 2	SHEETS 28 - 54

SHEET INDEX		
SHEET NUMBER	SHEET DESCRIPTION	SHEET TITLE
28	CS.1	COVER
29	DT.1	DETAILS
30	GN.1	LEGEND
31	GN.2	TYPICAL ROAD SECTION
32 - 34	DE.1 - DE.3	DEMOLITION PLAN
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38 - 39	GEC.1 - GEC.2	GRADING & EROSION CONTROL
40 - 45	R.1 - R.6	ROUNDBOUT GRADING & STRIPING
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51 - 54	STM.1-STM.4	STORM PLAN & PROFILE

add detailed roundabout plan sheets

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 EGM 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

Revise to match GEC Checklist Item "ii"

OWNER'S STATEMENT

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

Revise to match GEC Checklist Item "gg"

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

See comment letter also.



Add text:
EDARP Filing Number 2321

DRAWN BY: ACH	JOB DATE: 2/2/2024	BAR IS ONE INCH ON OFFICIAL DRAWINGS.
APPROVED: CMM	JOB NUMBER: 201662.08	0
CAD DATE: 2/2/2024		IF NOT ONE INCH, ADJUST SCALE ACCORDINGLY.
CAD FILE: J:\2020\201662\CAD\DWG\CI\Eastonville_Road_662.08\Segment_2\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

D-R HORTON
America's Builder

FROM GRANDVIEW FILING 1 TO REX RD (SEGMENT 2)
COVER

SHEET
CS.1
28

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 ACCESSSES 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. 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.

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 EPC 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.

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	⊖	⊖
CURB & GUTTER	---	---	FIBER OPTIC PULL BOX	⊖	⊖
DRAINAGE BASIN	---	---	FIBER OPTIC MANHOLE	⊖	⊖
INDEX CONTOUR	---	---	FIBER OPTIC PEDESTAL	⊖	⊖
INTER. CONTOUR	---	---	FIBER OPTIC SIGN	⊖	⊖
100-YR FLOODPLAIN	---	---	FIBER OPTIC VAULT	⊖	⊖
FLOODWAY	---	---	GAS METER	⊖	⊖
TRAIL	---	---	GAS SIGN	⊖	⊖
PARK	---	---	GAS VAULT	⊖	⊖
EDGE OF WETLANDS	---	---	TELEPHONE CABINET	⊖	⊖
DRAINAGE	---	---	TELEPHONE MANHOLE	⊖	⊖
DRAINAGE BASIN	---	---	TELEPHONE SIGNAL/MAST	⊖	⊖
BASIN TAG	---	---	TELEPHONE SIGN	⊖	⊖
DESIGN POINT	---	---	TELEPHONE PEDESTAL	⊖	⊖
			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

Delete "PCD"

Provide updated notes



DRAWN BY: ACH	JOB DATE: 2/2/2024	BAR IS ONE INCH ON OFFICIAL DRAWINGS.
APPROVED: CMM	JOB NUMBER: 201662.08	0
CAD DATE: 2/2/2024		IF NOT ONE INCH, ADJUST SCALE ACCORDINGLY.
CAD FILE: J:\2020\201662\CAD\DWG\CI\Eastonville_Road_662.08\Segment_2\CD\Road_CDs\Cover_N.Dwg		

NO.	DATE	BY	REVISION DESCRIPTION

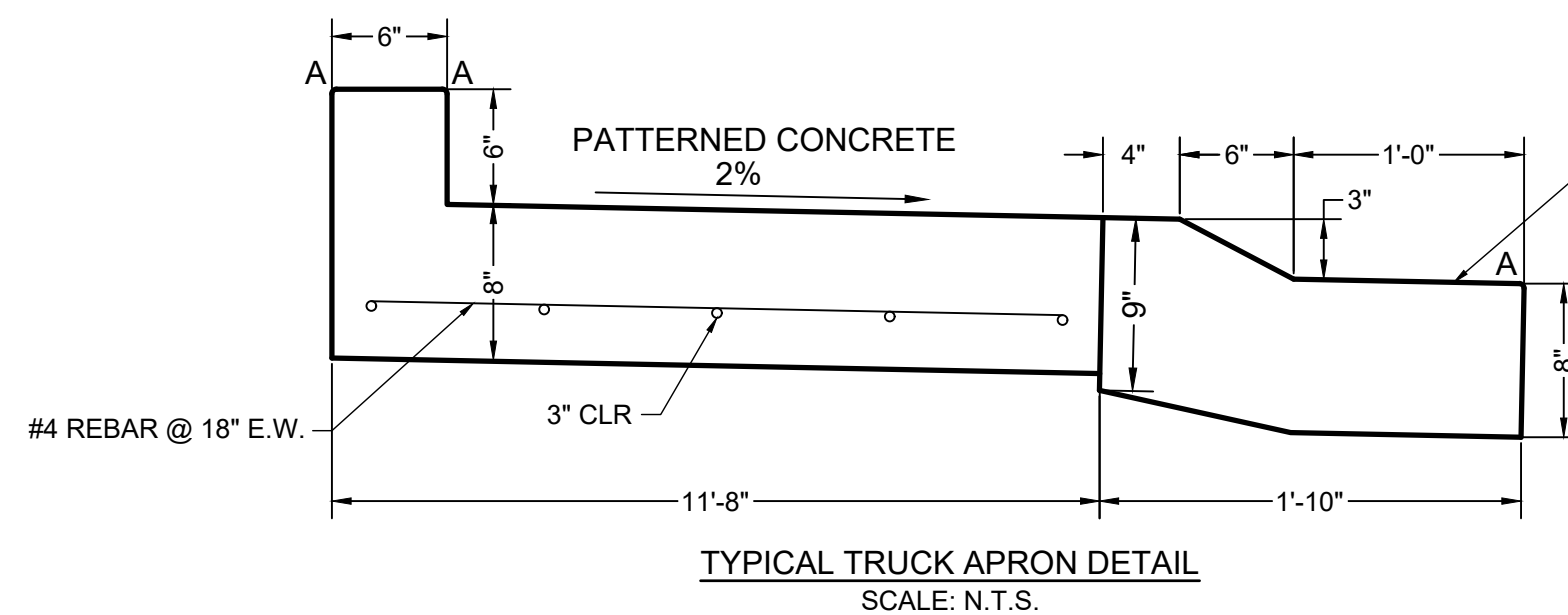
HRGreen
 HR GREEN - COLORADO SPRINGS
 1975 RESEARCH PARKWAY SUITE 230
 COLORADO SPRINGS CO 80920
 PHONE: 719.300.4140
 FAX: 713.965.0044

EASTONVILLE ROAD IMPROVEMENTS
DR. HORTON
 EL PASO COUNTY, COLORADO

D-R HORTON
 America's Builder

FROM GRANDVIEW FILING 1 TO REX RD (SEGMENT 2)
 DETAILS

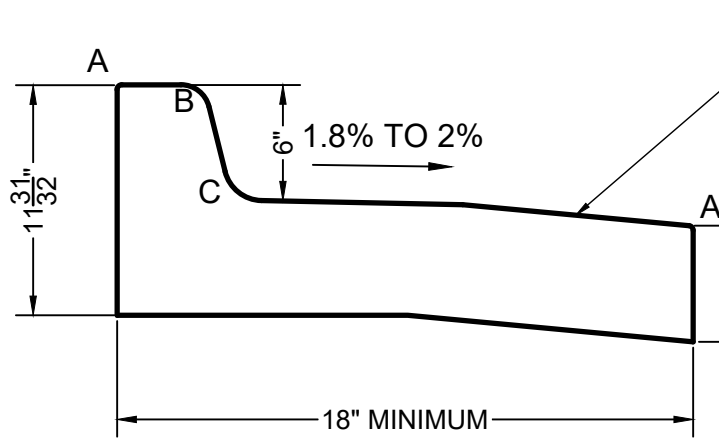
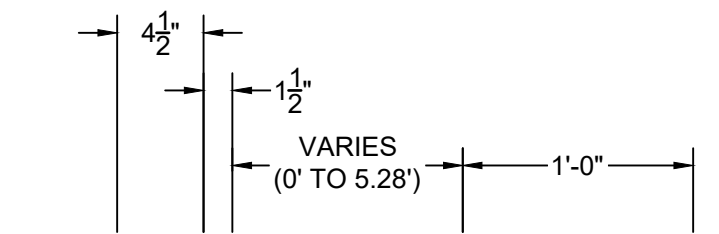
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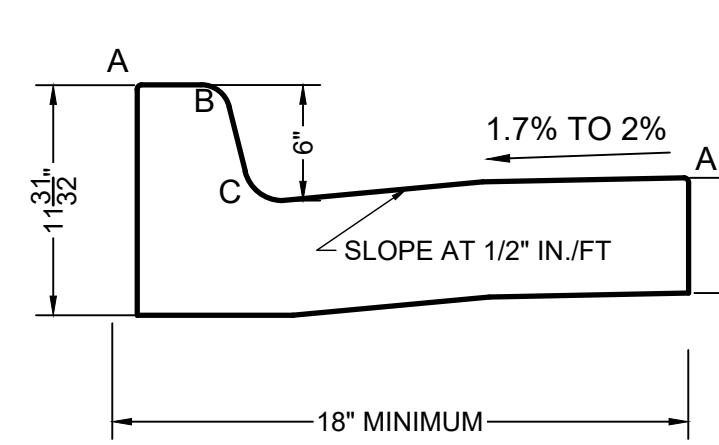
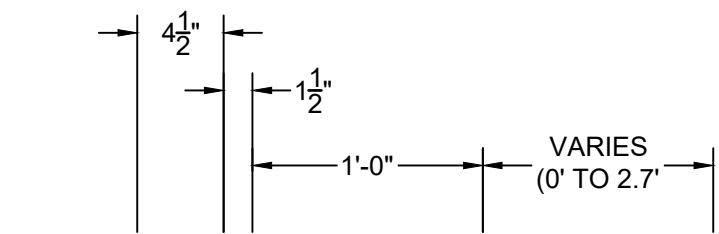
GUTTER CROSS SLOPE 1/2" IN./FT AWAY FROM CURB

LENGTH FOR RADII

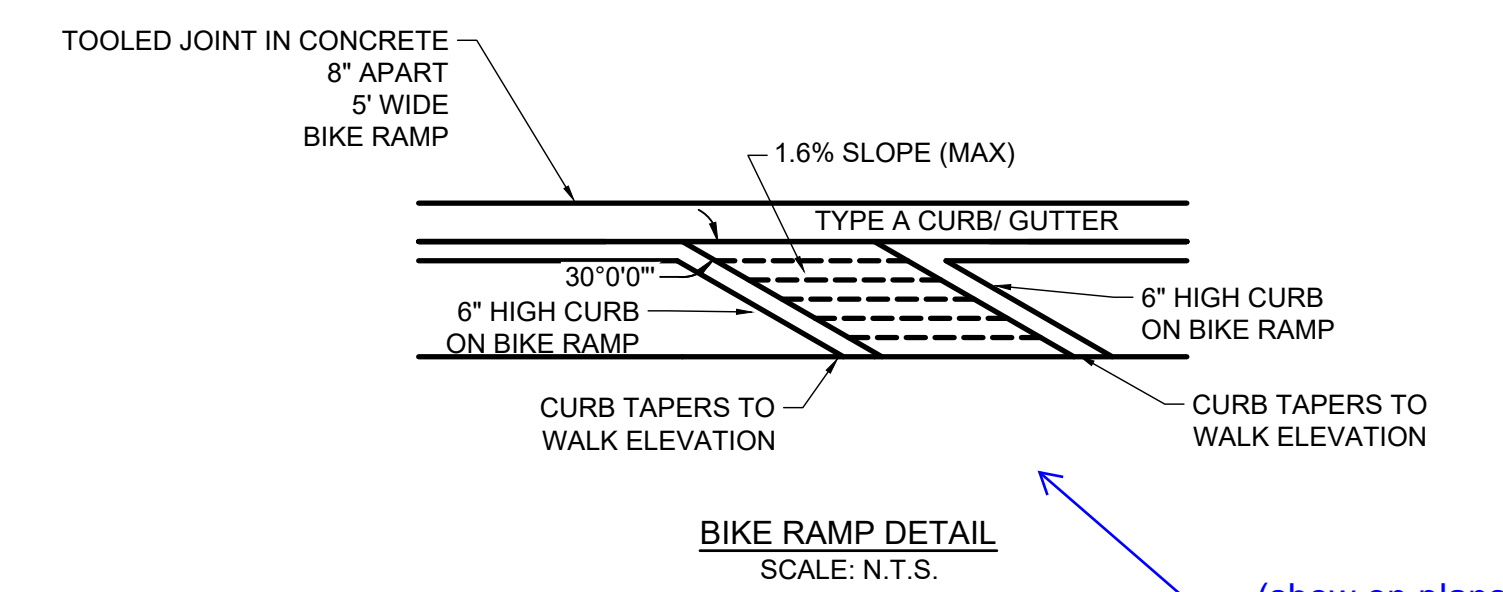
A	1/8" TO 1/4"
B	1-1/2"
C	1-1/2" TO 2"



SPLITTER ISLAND CURB/GUTTER (SPILL) SCALE: N.T.S.

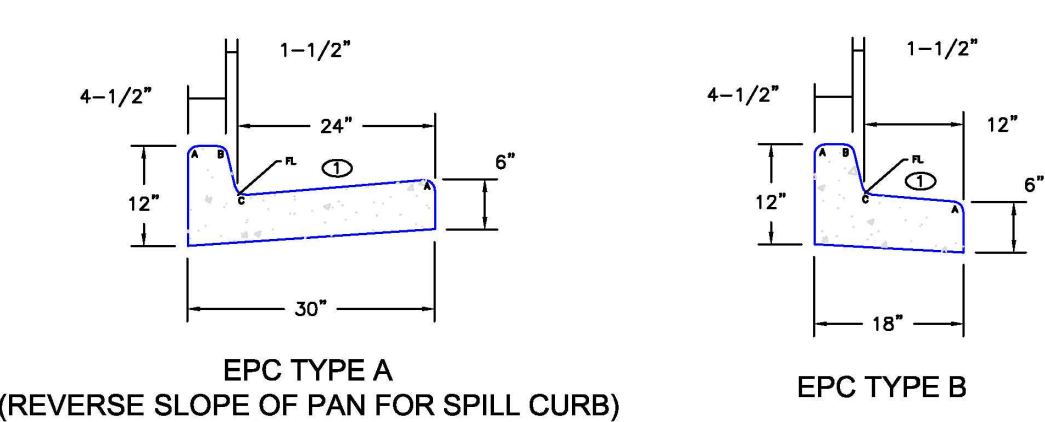


SPLITTER ISLAND CURB/GUTTER (CATCH) SCALE: N.T.S.



BIKE RAMP DETAIL SCALE: N.T.S.

(show on plans)



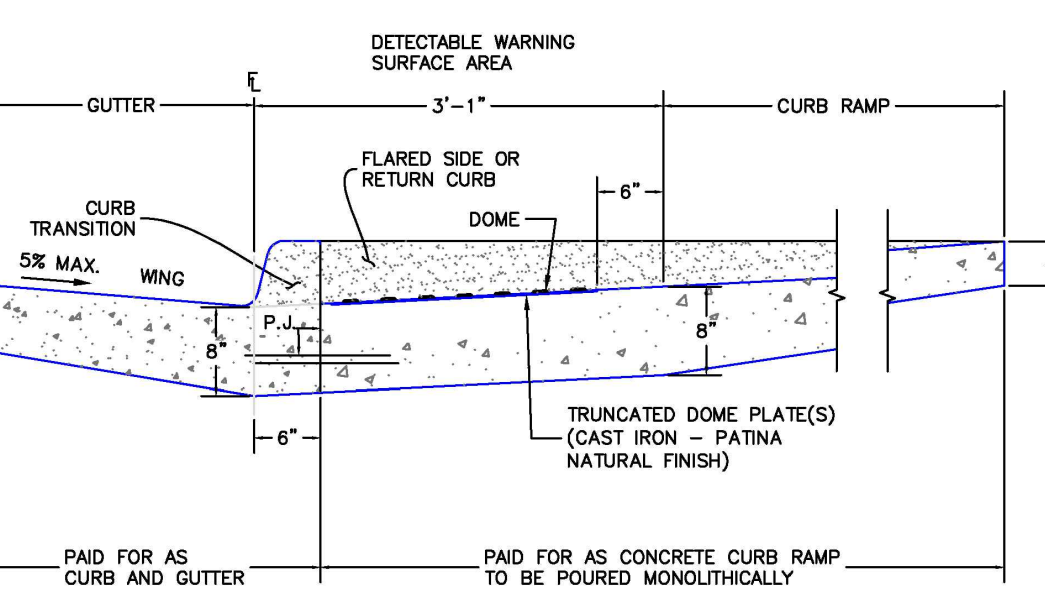
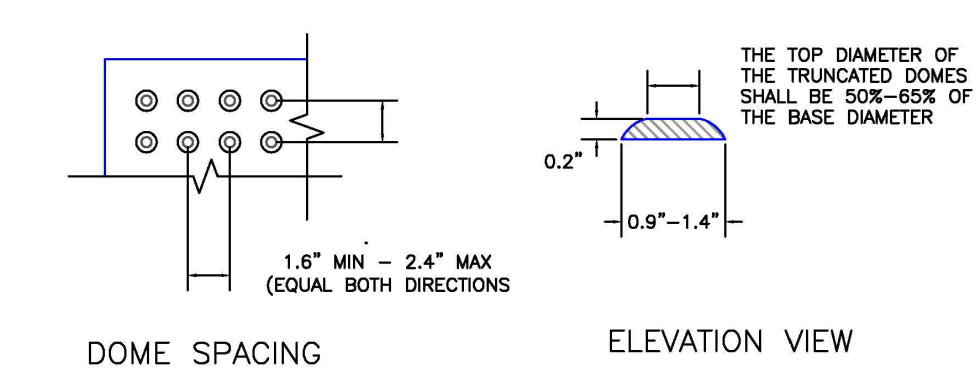
TYPICAL CURB & GUTTER DETAILS DETAIL (SD 2-20) SCALE: N.T.S.

LEGEND FOR RADII

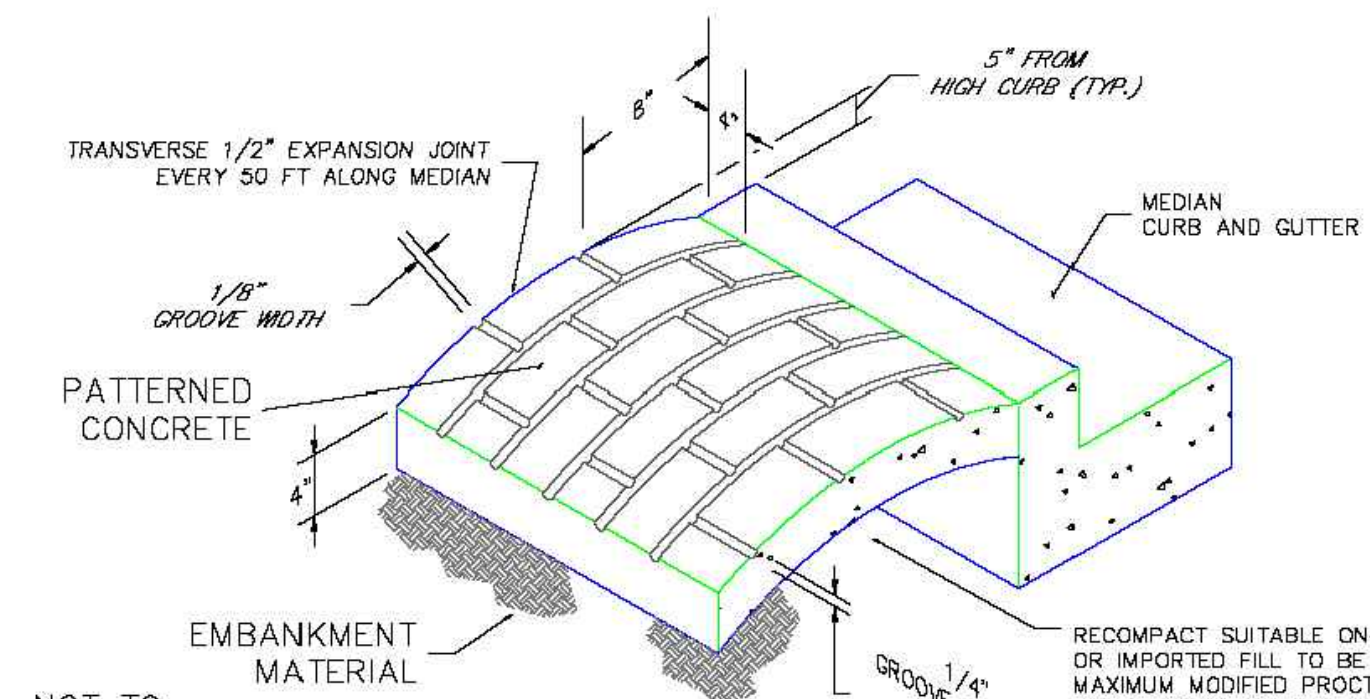
A	1/8" TO 1/4"
B	1-1/2"
C	1-1/2" TO 2"

CD = 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 RAMP - SEE CURB RAMP STANDARDS FOR SLOPE REQUIREMENTS).

TRUNCATED DOME DETAILS



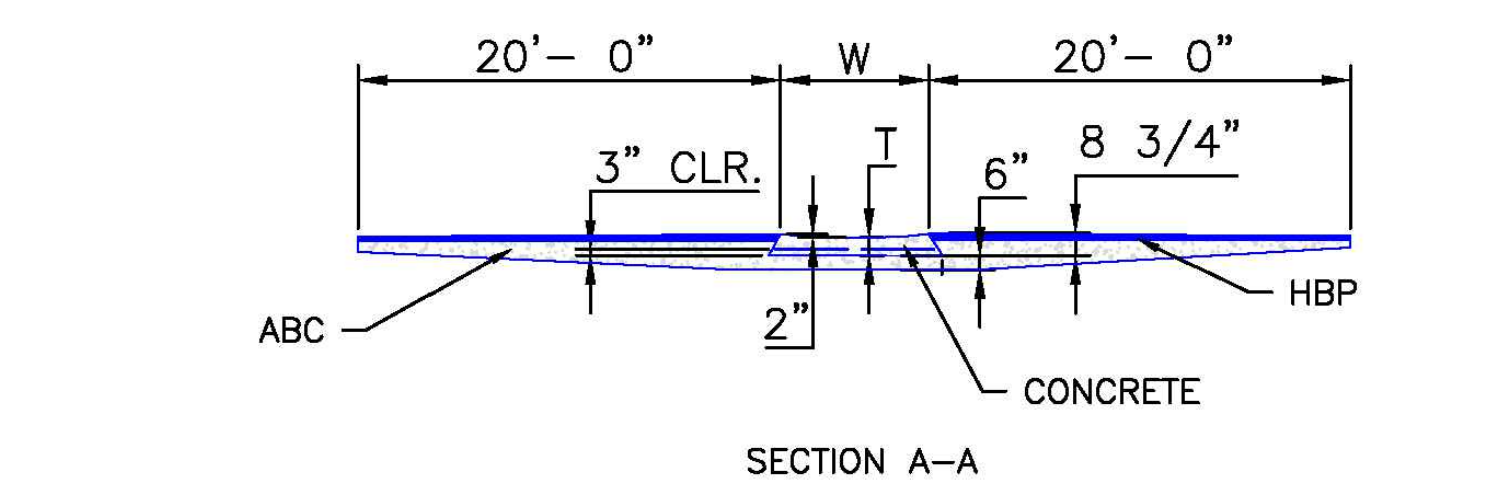
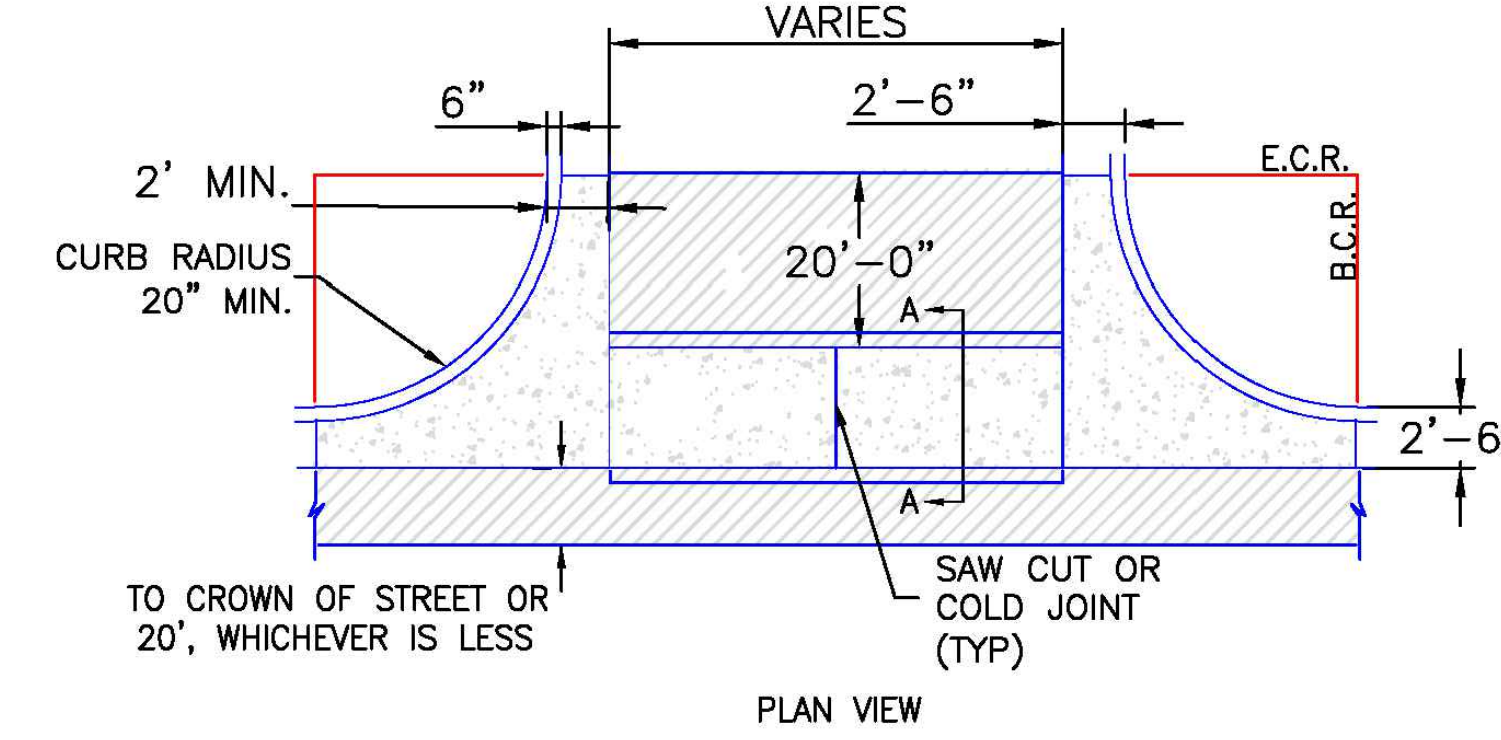
DETECTABLE WARNING SURFACE DETAILS (SD 2-42) SCALE: N.T.S.



NOT TO SCALE

- NOTES:
- The median paving shall be constructed with 4 inch thick, integrally colored concrete, embossed with a running band 4" x 8" brick pattern as shown.
 - Install 1/2" x 4" expansion material at median noses, fixed objects, and at transverse joints at 50 ft. intervals (maximum) along the median.
 - The color additive shall be an approved commercially pure or synthetic mineral pigment, factory formulated and packaged in cubic yard dosage increments. The mixture shall be "Chromix" as manufactured by L.M. Scofield Company, "Davis Colors" as manufactured by Davis Color Company, Pigment No. 678, 5 lbs./sack, or an approved equal.
 - Patterned concrete to be colored L.M. Scofield Company "Santa Barbara Brown, C-35", Davis Color Company, Pigment No. 678, 5 lbs./sack, or an approved equal.
 - The Matching curing compound shall be a blend of waxes and pigments in a solvent emulsion base and conform to the requirements of ASTM C-309. The curing compound shall be "Lithochrome Colorwax" as manufactured by L.M. Scofield Company, "Davis Color-Seal", as manufactured by Davis Color Company, or approved equal.
 - The concrete mix design shall conform to the requirements of the color admixture manufacturer and shall meet CDOT Class B concrete requirements, unless otherwise approved.
 - For weed control prior to median paving, apply a pre-emergent herbicide to median subgrade area per manufacturer's specifications for paving under Barrier 50 label (Pbi Garden). Trifluralin is labeled for use under asphalt under the Treflan 4EC label (Elanco).

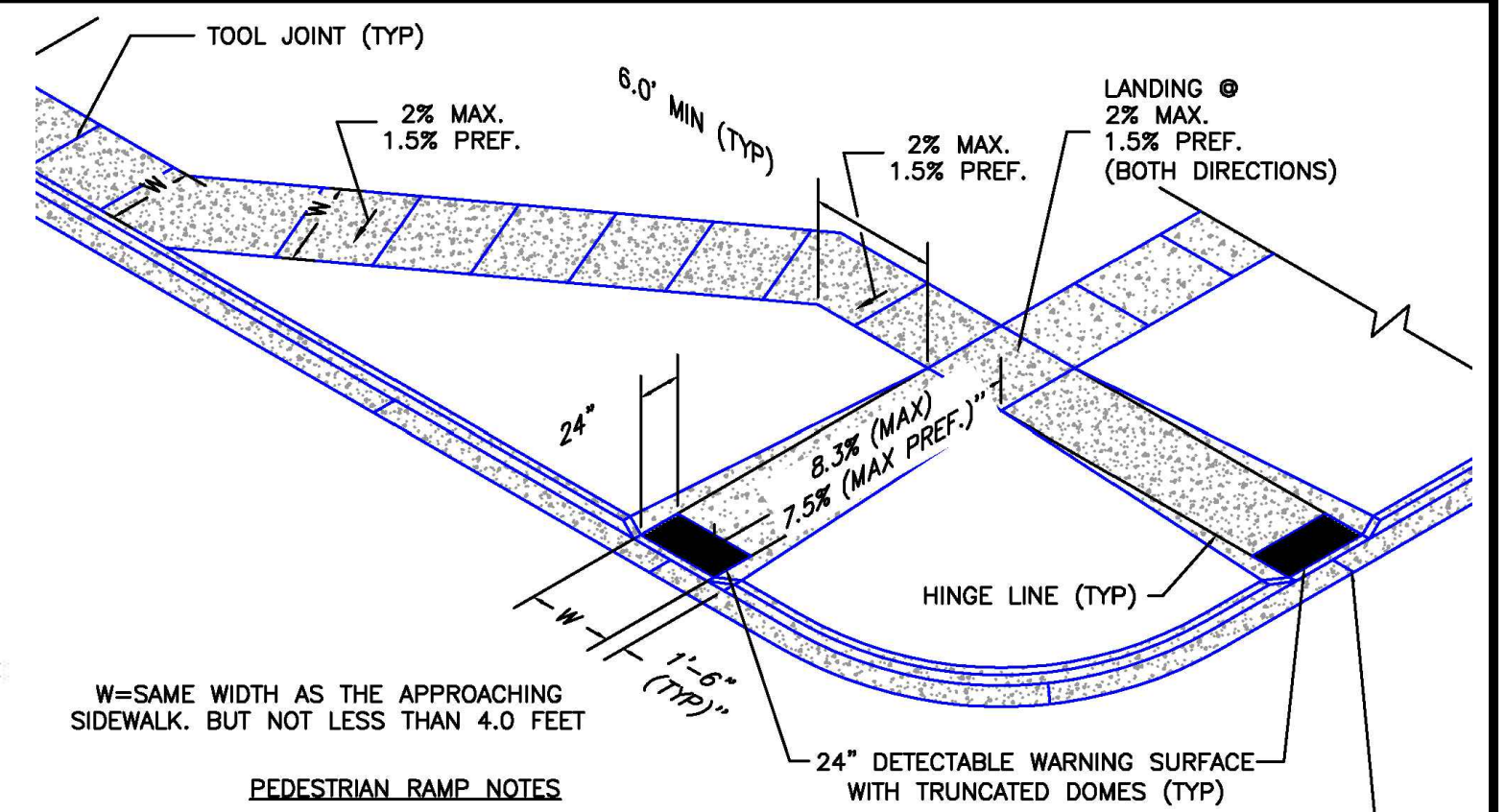
PATTERNED CONCRETE MEDIAN PAVING STANDARD DRAWING (SD 2-21) SCALE: N.T.S.



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.
- 3" MINIMUM ASPHALT DEPTH (2 LIFTS).
- DESIGN TO SPECIFY ELEVATIONS AT PI AND PCR.

TYPICAL CROSS PAN LAYOUT DETAIL (SD 2-26) SCALE: N.T.S.



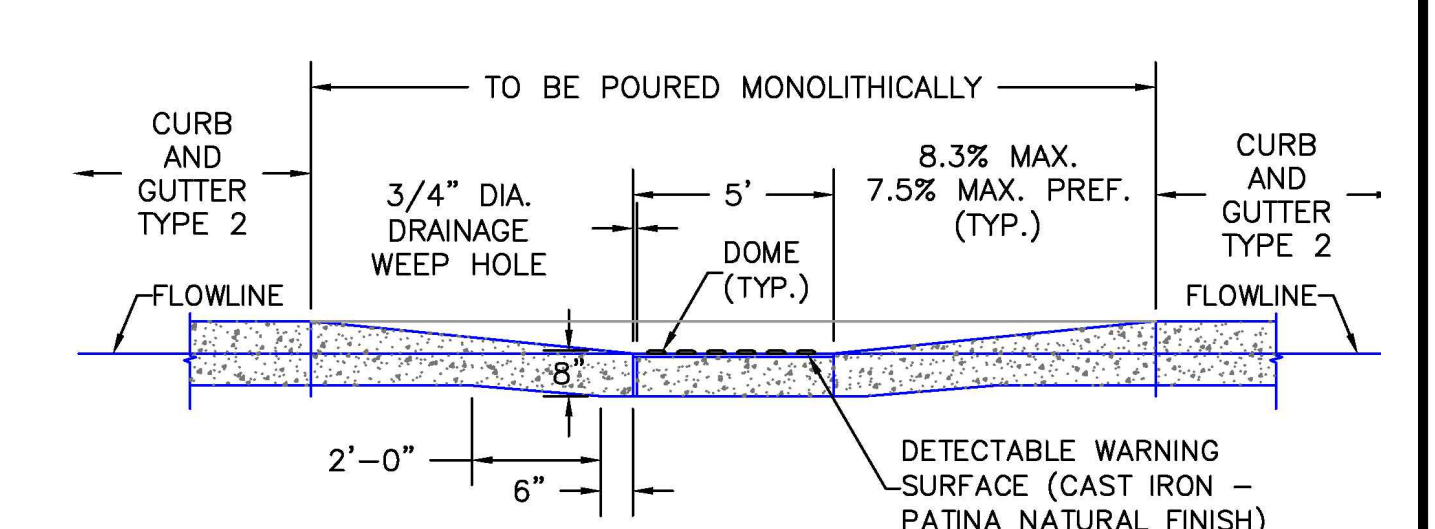
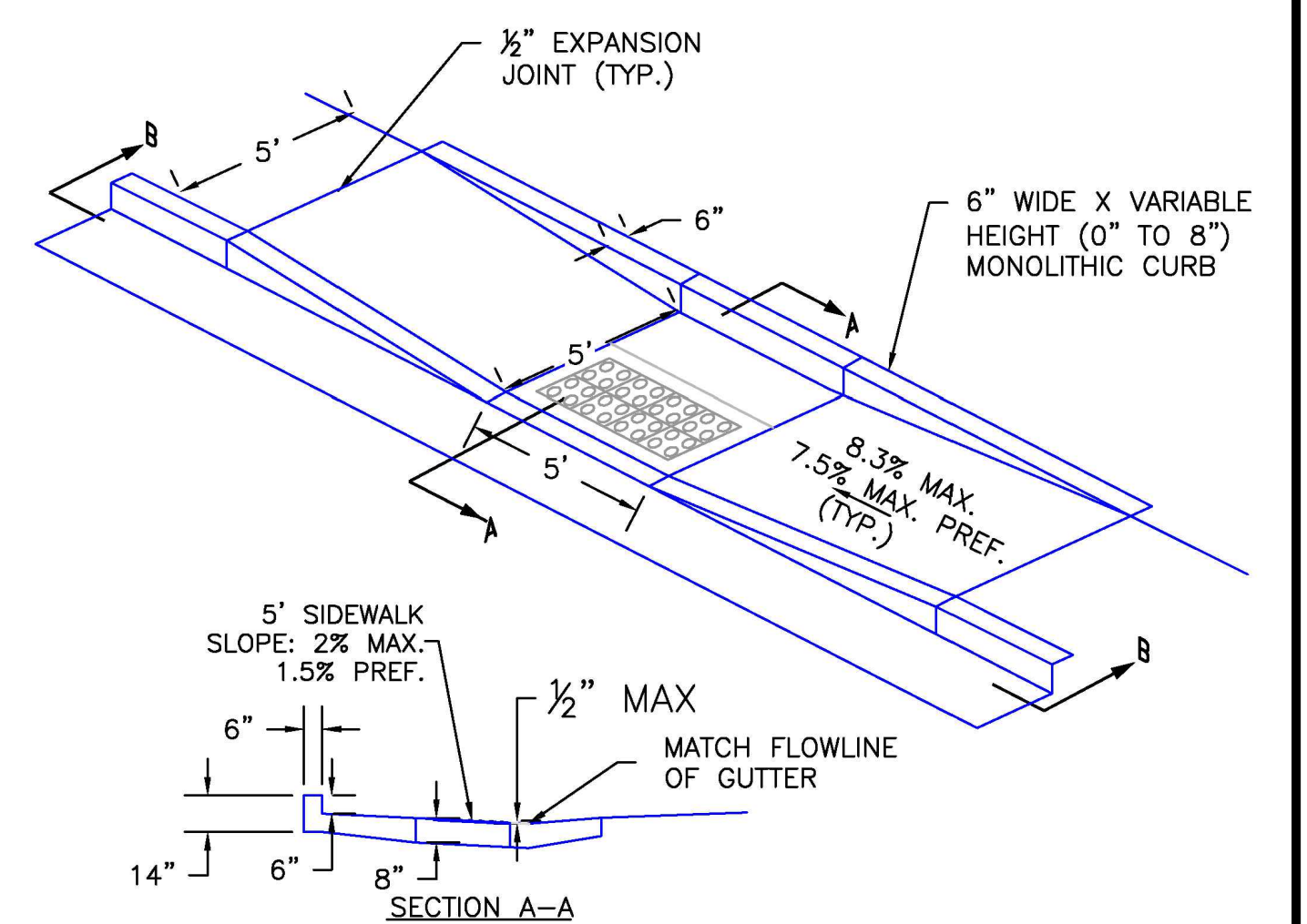
PEDESTRIAN RAMP NOTES

- ALL WORK SHALL BE DONE IN ACCORDANCE WITH THE CURRENT ENGINEERING CRITERIA MANUAL AND ADA REQUIREMENTS.
- CONTRACTOR TO NOTIFY ENGINEERING DIVISION INSPECTION STAFF 48 HOURS PRIOR TO CONCRETE PLACEMENT.
- PEDESTRIAN CURB RAMP CONSTRUCTION SHALL BE A MINIMUM 4,500 PSI CONCRETE, MINIMUM 4" THICK, NON-COLORED, NON-SCORED, CONCRETE BROOM FINISH.
- PEDESTRIAN CURB RAMP LOCATION AND LENGTH MAY REQUIRE MODIFICATION TO MAINTAIN THE 8.3% MAXIMUM RUNNING RAMP SLOPE DUE TO STREET INTERSECTION GRADES AND/OR ALIGNMENTS. SEE EGM SECTION 6.3.6 FOR PEDESTRIAN PUSHBUTTON LOCATION REQUIREMENTS.
- DETECTABLE WARNING SURFACE SHALL START A MINIMUM OF 6" BUT NOT MORE THAN 8" FROM THE FLOWLINE OF THE CURB AT ANY POINT.
- DETECTABLE WARNING SURFACE SHALL BE PREFABRICATED, CAST IRON (PATINA NATURAL FINISH) AND IN ACCORDANCE WITH EGM CHAPTER 6 AND SD 2-42. THERMOPLASTIC TRUNCATED DOMES AND PAVERS WILL NOT BE ACCEPTED.
- THE DETECTABLE WARNING SURFACE SHALL BE 24" IN LENGTH AND THE FULL WIDTH OF THE RAMP.
- PEDESTRIAN CURB RAMP WIDTH REQUIRED IS SAME AS APPROACHING SIDEWALK; 4" MINIMUM.
- ALL PEDESTRIAN CURB RAMP SHALL BE PERPENDICULAR TO TRAFFIC WITH THE EXCEPTION OF MID-BLOCK OR TERMINAL RAMP WHICH MAY BE PARALLEL SUBJECT TO APPROVAL.
- DRAINAGE STRUCTURES, TRAFFIC SIGNAL/SIGNAGE, UTILITIES/JUNCTION BOXES, OR OTHER OBSTRUCTIONS WITHIN PROPOSED PEDESTRIAN CURB RAMP AREAS AND LANDINGS ARE PROHIBITED.
- THE COUNTER SLOPE OF THE GUTTER OR ROAD AT THE FOOT OF A RAMP SHALL NOT EXCEED 5%.

GENERAL NOTES

- WHERE THE 1'-6" FLARED SIDE(S) OF A PERPENDICULAR CURB RAMP IS (ARE) CONTIGUOUS WITH A PEDESTRIAN OR HARD SURFACE AREA (PEDESTRIAN CIRCULATION PATH), THE MAXIMUM FLARE SLOPE SHALL NOT EXCEED 10:1.
- PEDESTRIAN WALKWAY (PEDESTRIAN ACCESS ROUTE) AND/OR LOCATION OF EXISTING OR FUTURE PEDESTRIAN RAMP ON OPPOSITE CORNERS SHALL BE REVIEWED BEFORE CONSTRUCTING NEW RAMP.
- AT MARKED PEDESTRIAN CROSSINGS, THE BOTTOM OF THE RAMP, EXCLUSIVE OF THE FLARE SIDES, SHALL BE TOTALLY CONTAINED WITHIN THE MARKINGS.

PEDESTRIAN CURB RAMP DETAIL (SD 2-41) SCALE: N.T.S.



PARALLEL PEDESTRIAN CURB RAMP DETAIL (SD 2-50) SCALE: NOT TO SCALE

HR GREEN xref: xpl-1-rd01; general_construction_notes; Signing_n; Stripping_Notes; Standard_Elipaso; Signature; Blocks; Agency List; Grading; Plan_Legend; 2; List_of_Abbreviations; EPC; Details; Curbs; Details; Bike; Ramp; Detail

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APPROVED: CMM	JOB NUMBER: 201662.08	0
CAD DATE: 2/2/2024		IF NOT ONE INCH, ADJUST SCALE ACCORDINGLY.
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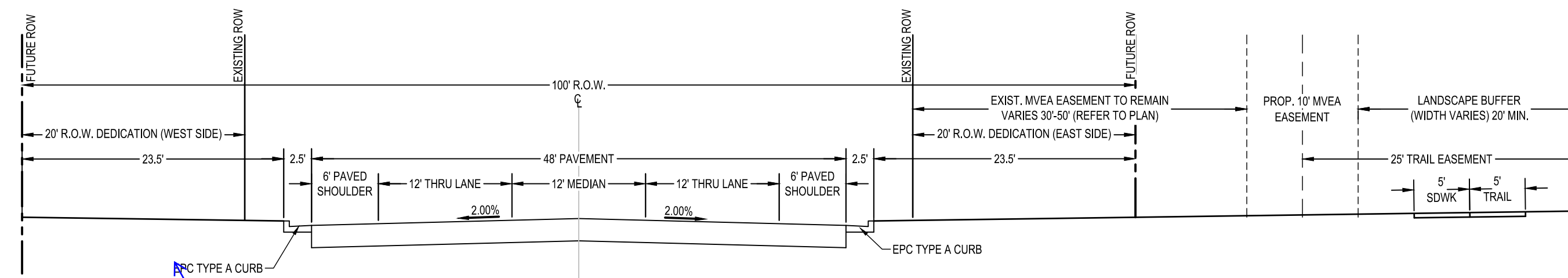
NO.	DATE	BY	REVISION DESCRIPTION

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COLORADO SPRINGS CO 80920
PHONE: 719.300.4140
FAX: 713.965.0044

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EL PASO COUNTY, COLORADO

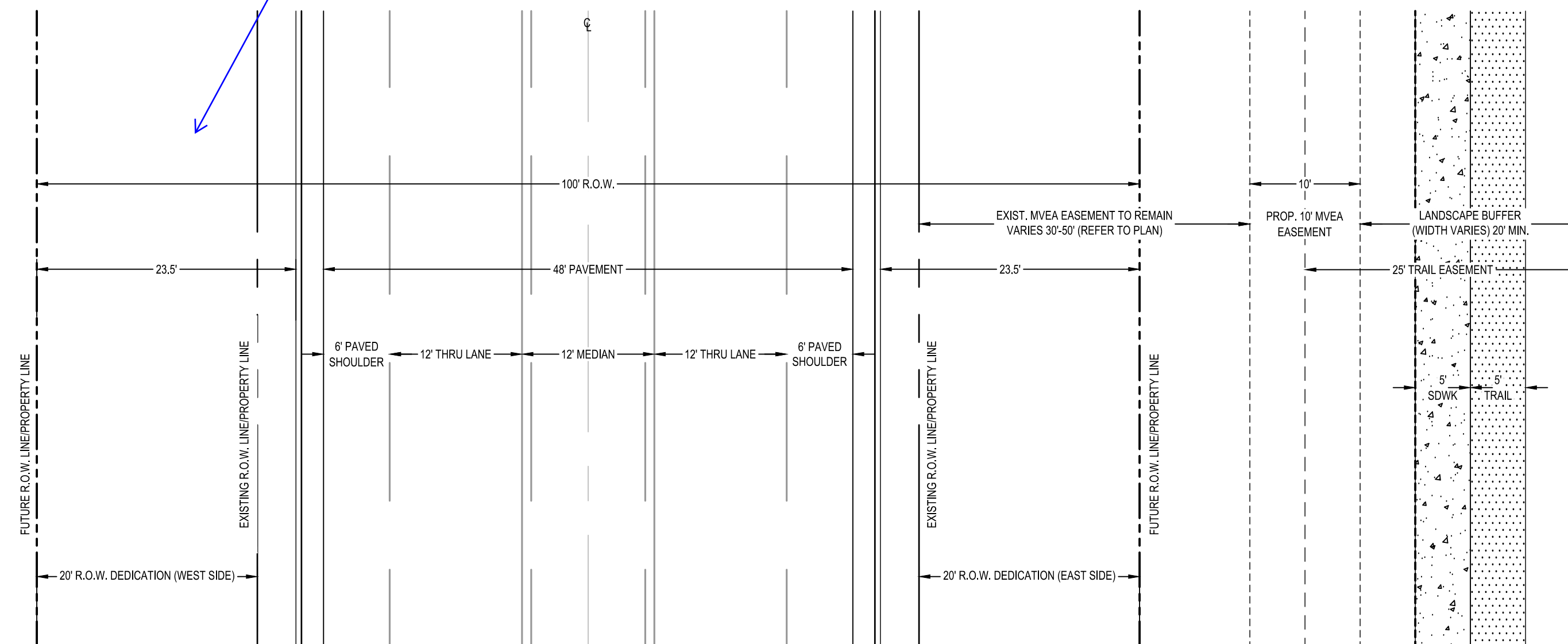
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LEGEND

SHEET
GN.1
30



SECTION #2

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



SECTION #2

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

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 APPROVED: CMM JOB NUMBER: 201662.08
 CAD DATE: 2/2/2024
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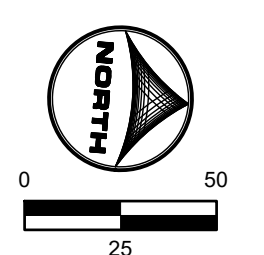
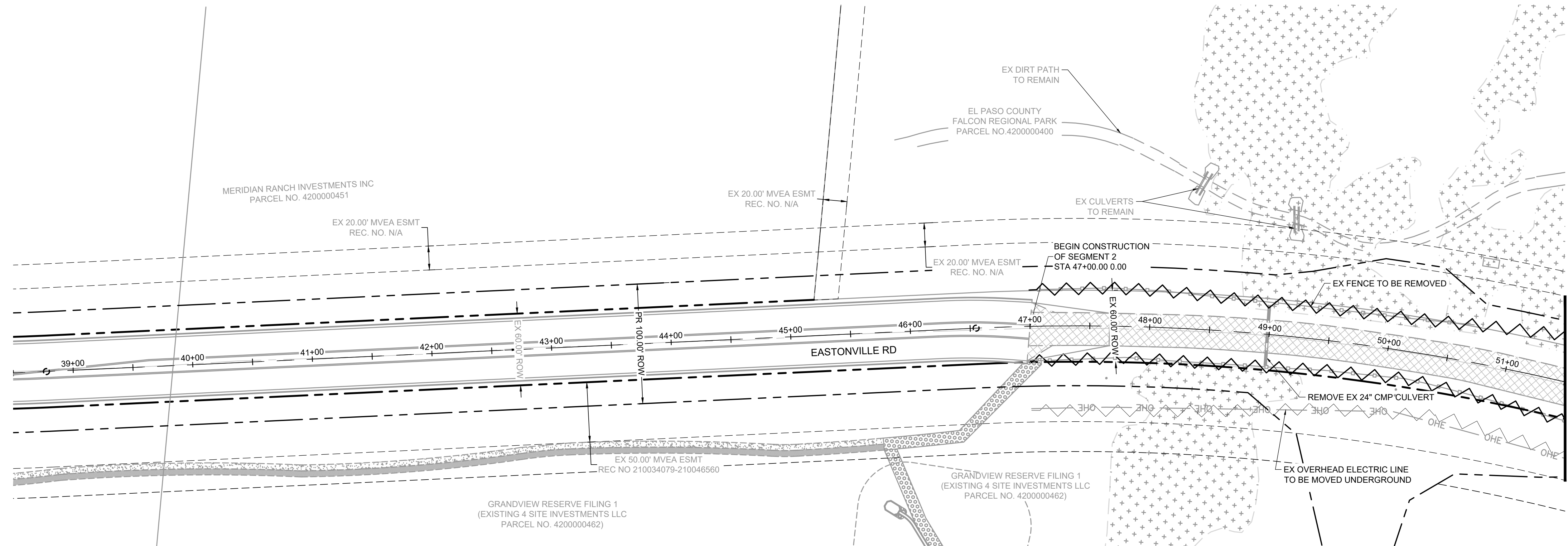
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FROM GRANDVIEW FILING 1 TO REX RD (SEGMENT 2)
 TYPICAL ROAD SECTION

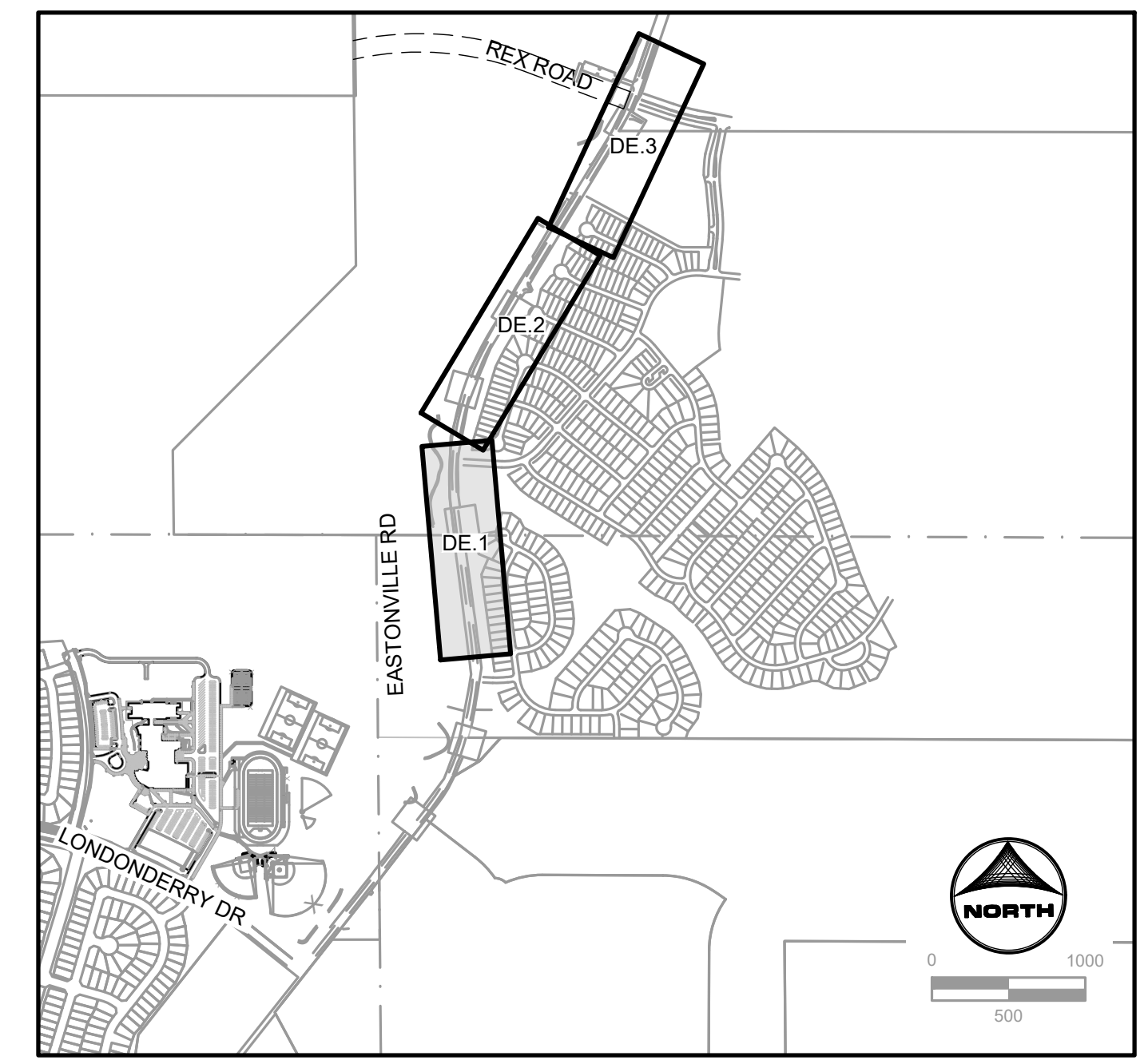
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GN.2
 31

HR GREEN Xref: xref-1-dh01:rdw_ttypical

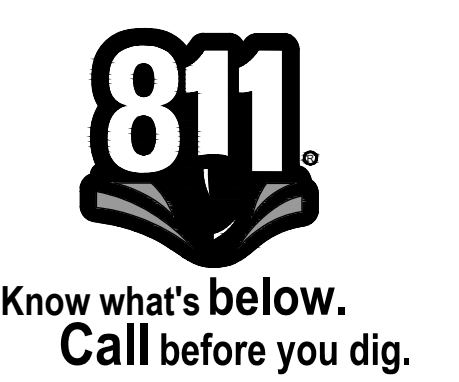


LEGEND:

	GRAVEL ROAD TO BE REMOVED
	FENCE LINE TO BE REMOVED
	ELECTRIC LINE TO BE UNDERGROUNDED
	PROPOSED ROW



KEYMAP



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 APPROVED: CPM JOB NUMBER: 201662.08
 CAD DATE: 2/2/2024
 CAD FILE: J:\2020\201662\CAD\Drawings\CIEastonville_Road_662.08\Segment_2\CDI\Road_CDs\Demo_Plan

BAR IS ONE INCH ON OFFICIAL DRAWINGS.
 0 1"

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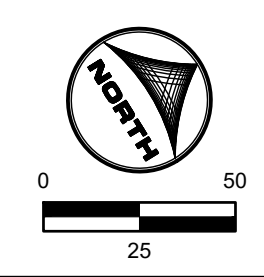
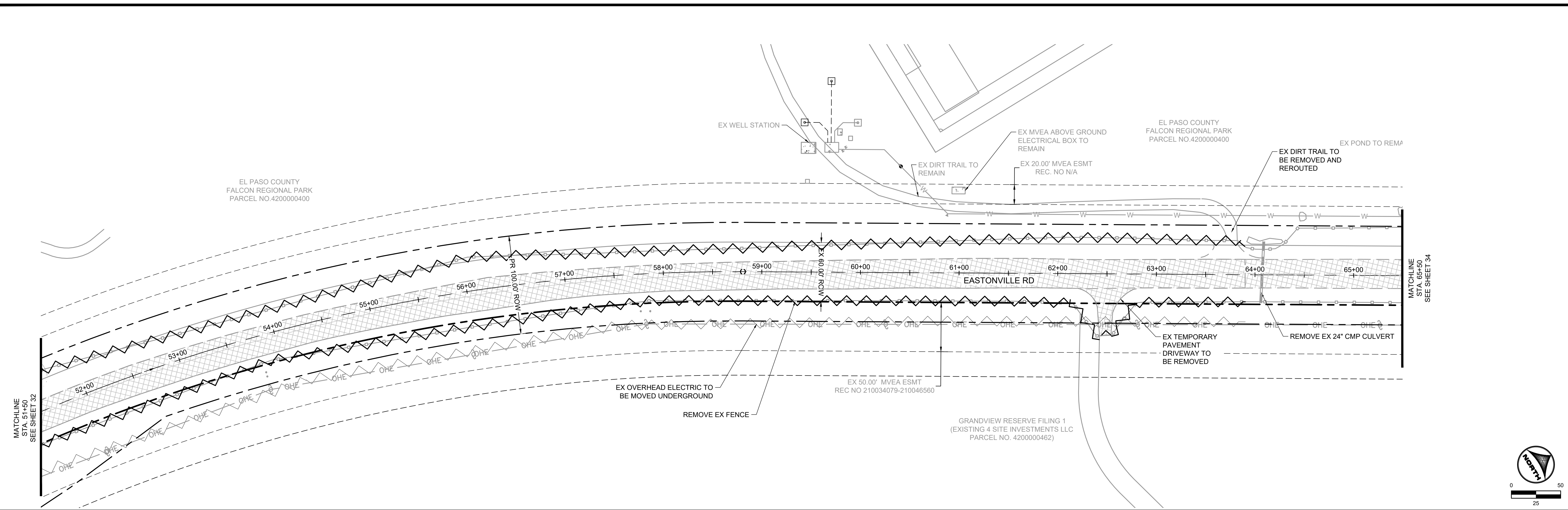
EASTONVILLE ROAD IMPROVEMENTS
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 EL PASO COUNTY, COLORADO

FROM GRANDVIEW FILING 1 TO REX RD (SEGMENT 2)
 DEMOLITION PLAN

SHEET
DE.1 32

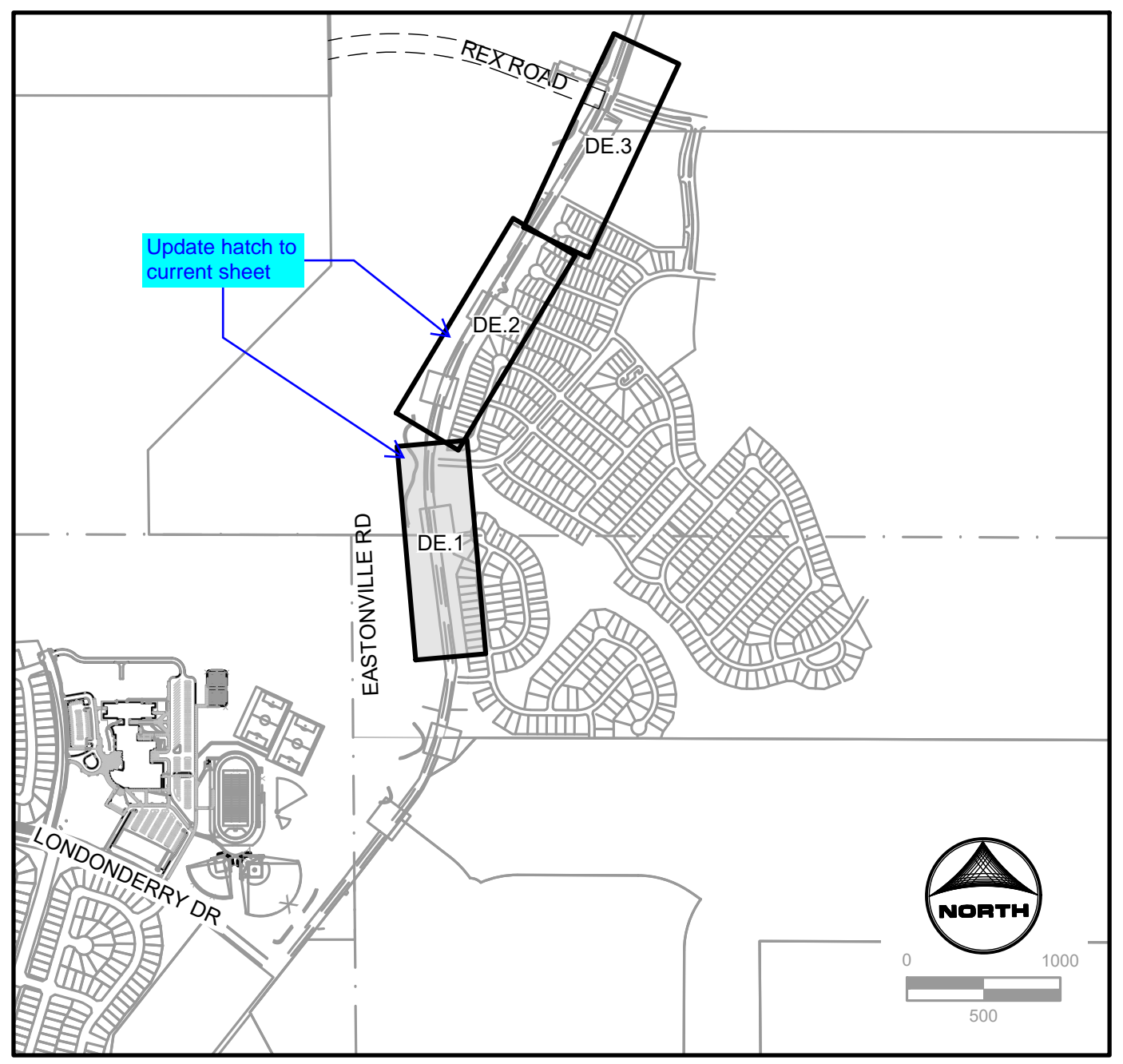
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LEGEND:

- GRAVEL ROAD TO BE REMOVED
- FENCE LINE TO BE REMOVED
- ELECTRIC LINE TO BE UNDERGROUNDED
- PROPOSED ROW



KEYMAP



Know what's below.
Call before you dig.

DRAWN BY: ACH	JOB DATE: 12/14/2023	BAR IS ONE INCH ON OFFICIAL DRAWINGS.
APPROVED: CPM	JOB NUMBER: 201662.08	0" = 1"
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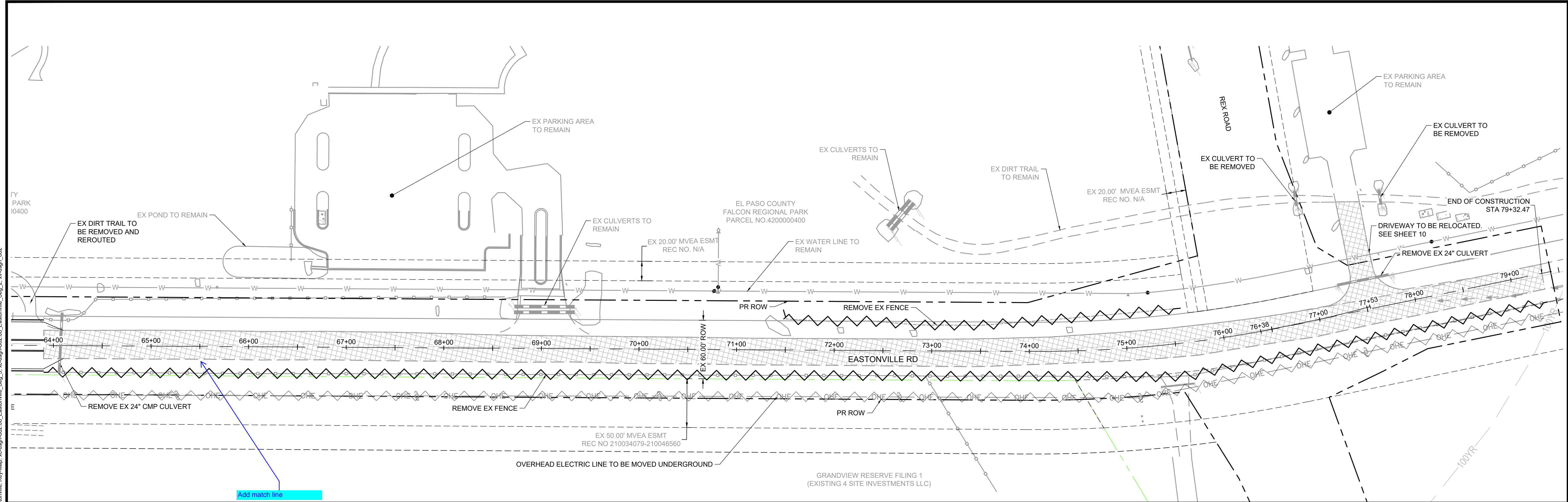
NO.	DATE	BY	REVISION DESCRIPTION

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 DEMOLITION PLAN

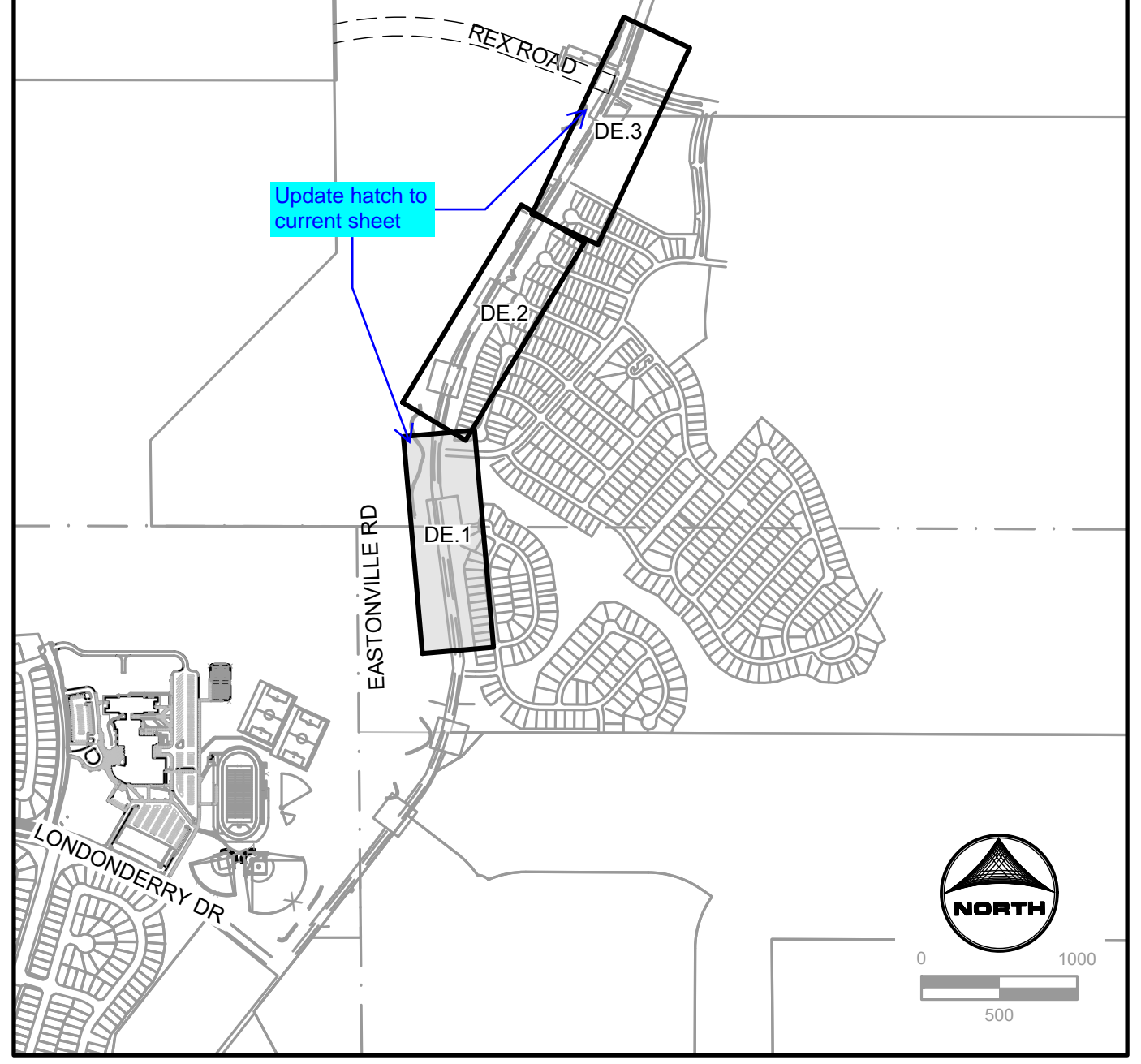
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DE.2 **33**



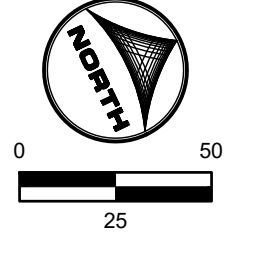
Add match line

LEGEND:

- GRAVEL ROAD TO BE REMOVED
- FENCE LINE TO BE REMOVED
- ELECTRIC LINE TO BE UNDERGROUNDED
- PROPOSED ROW



KEYMAP



DRAWN BY: ACH JOB DATE: 2/1/2024
 APPROVED: CPM JOB NUMBER: 201662.08
 CAD DATE: 2/2/2024
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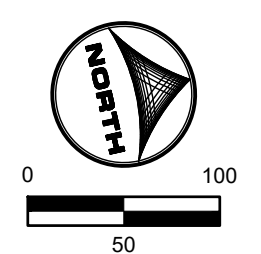
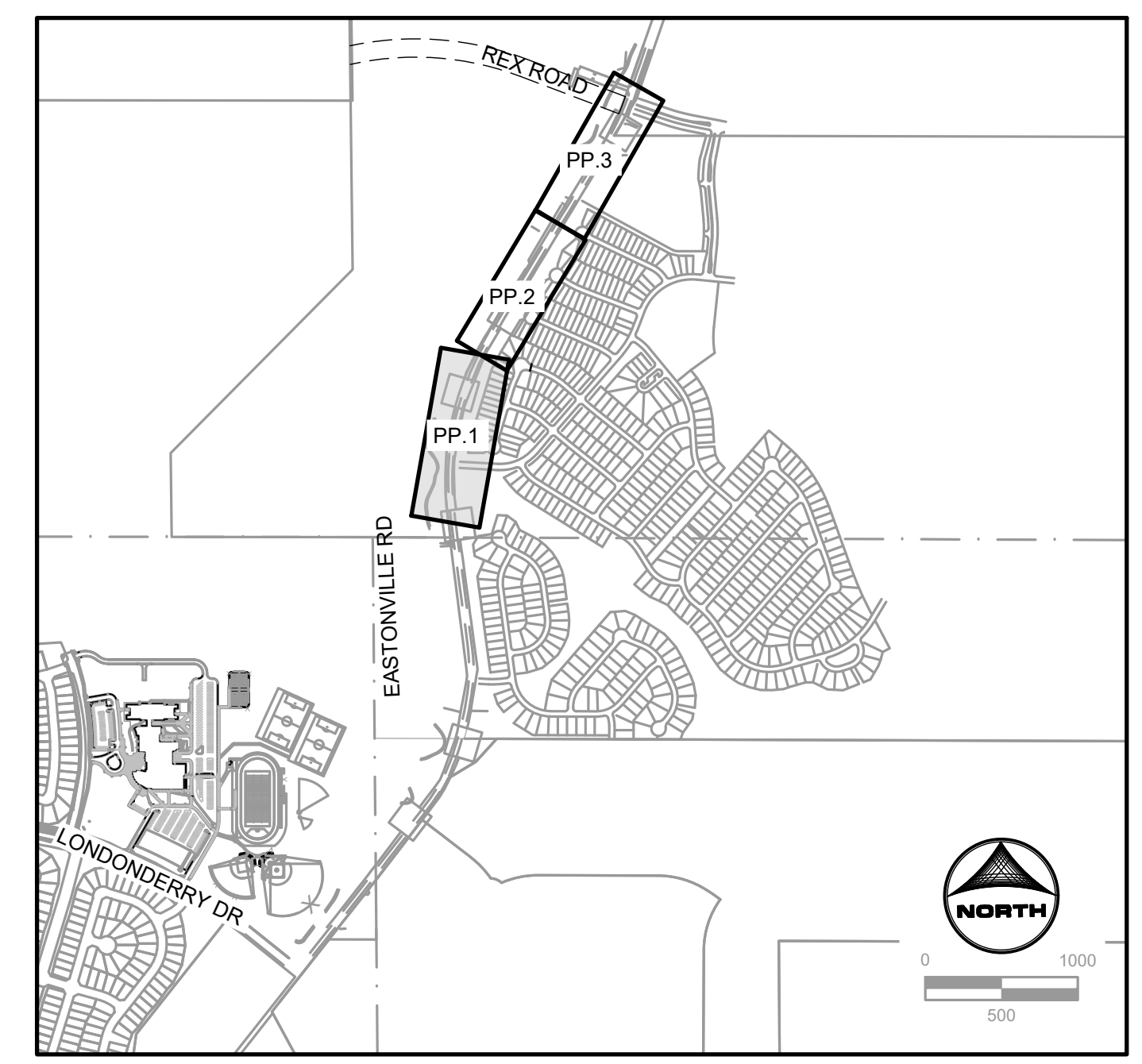
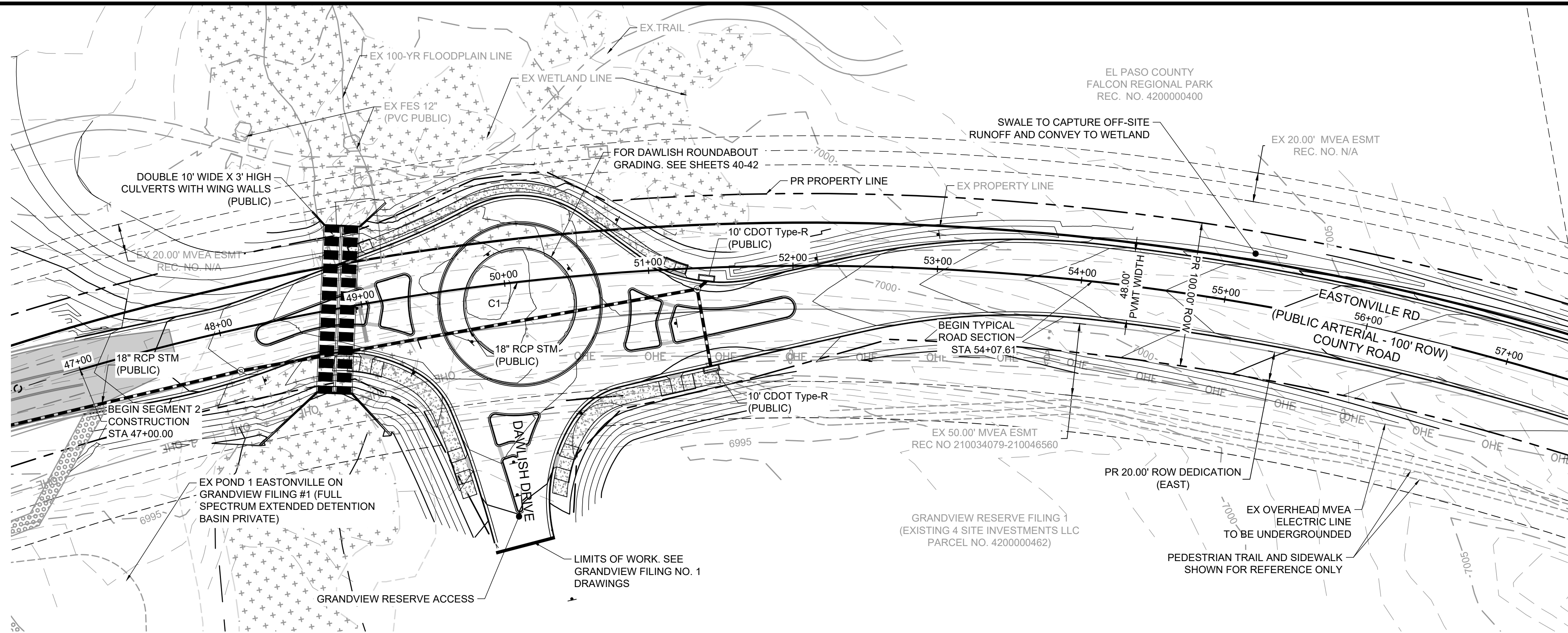
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FROM GRANDVIEW FILING 1 TO REX RD (SEGMENT 2)
 DEMOLITION PLAN

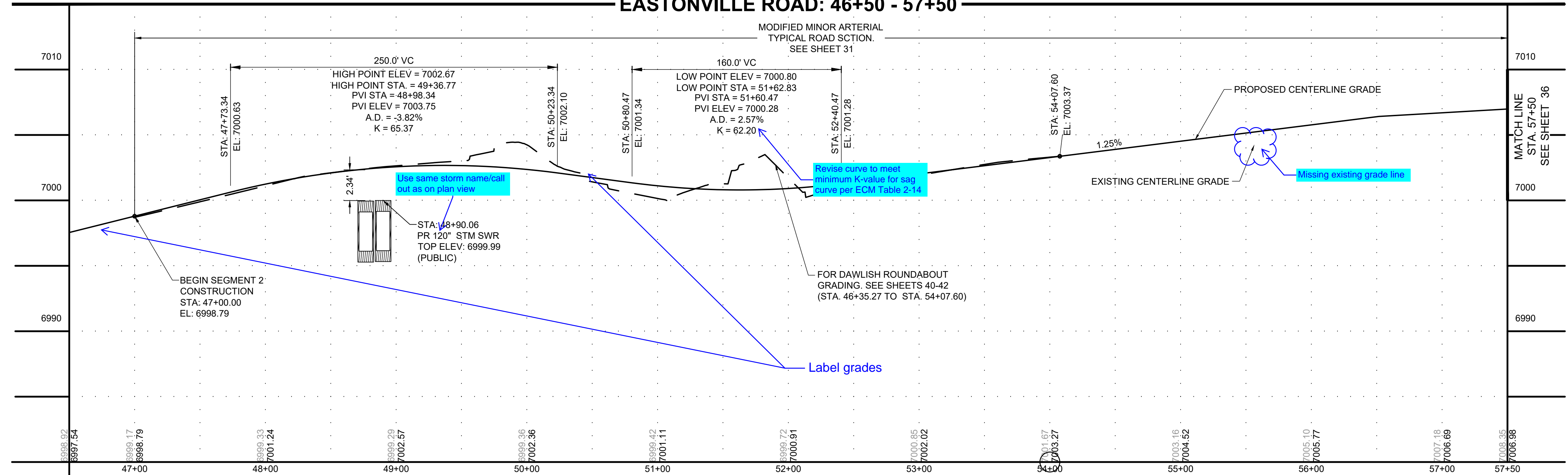
SHEET
DE.3 **34**

HR GREEN 01-11-2024: HRG1.20X_EBase: xv-rows: 662.08_Eastonville: xv-dsgn: 089: xgf-1-dm01: 01-XC-PR_100YR_PP_DELINEATION_A: vgl-1-dm01_CD_Road_PNF: xv-ull: 662: xc-row: 662.08_Eastonville: Key-Map: xc-dsgn: 662.08_Eastonville: Seg_2: xv-dsgn: 662



Line Table			Curve Table			
Line #	Length	Direction	Curve #	Length	Radius	Delta
L1	509.13	N 31°20'52\"/>				

EASTONVILLE ROAD: 46+50 - 57+50



Did not see L1 labeled in plan view

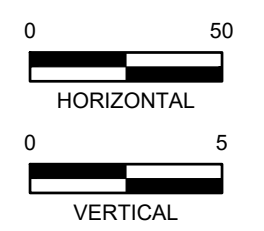
Provide legend for various linetypes and hatchings

Revise curve to meet minimum K-value for sag curve per ECM Table 2-14

Use same storm name/call out as on plan view

Missing existing grade line

Label grades



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 APPROVED: CPM JOB NUMBER: 201662.08
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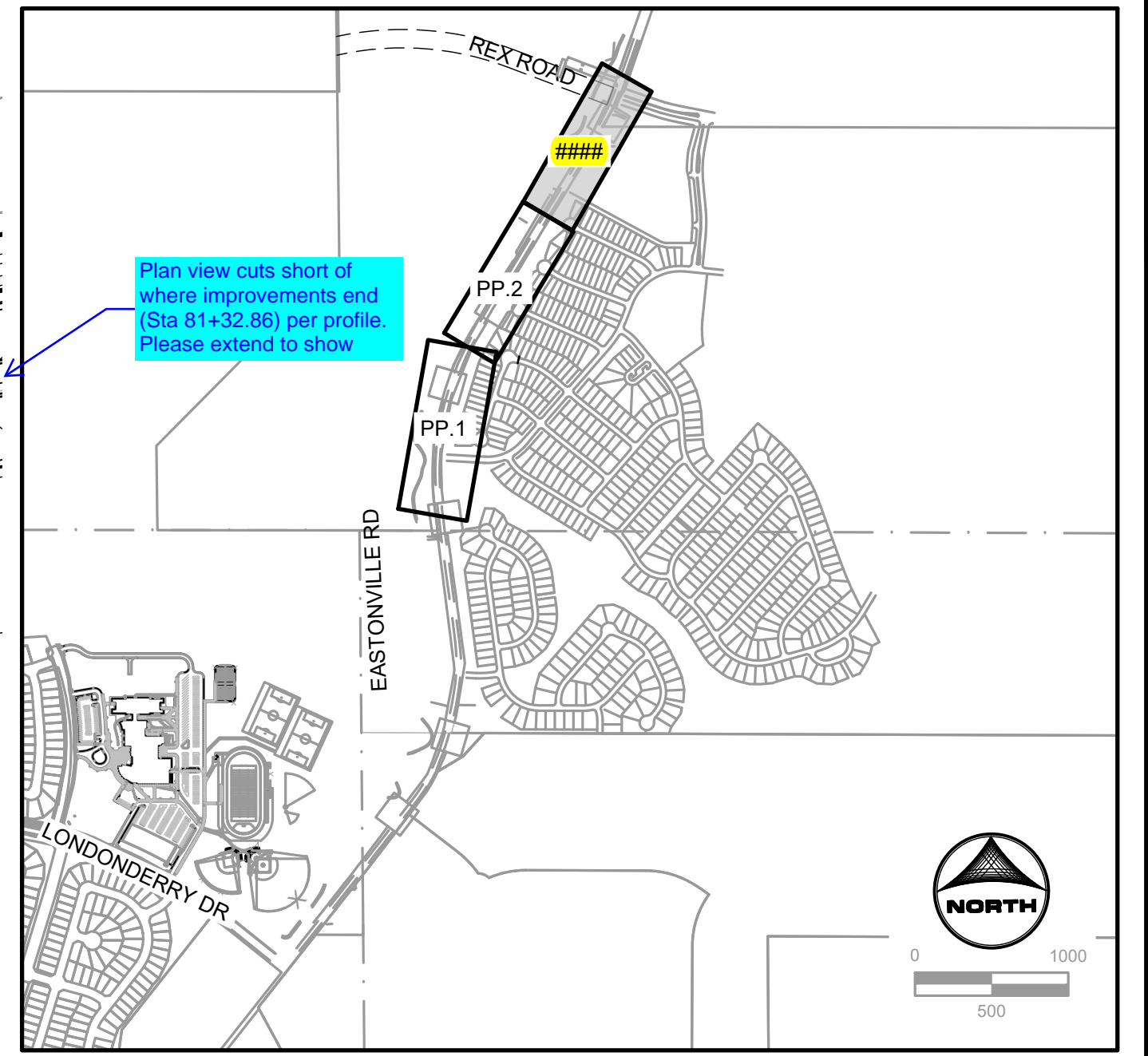
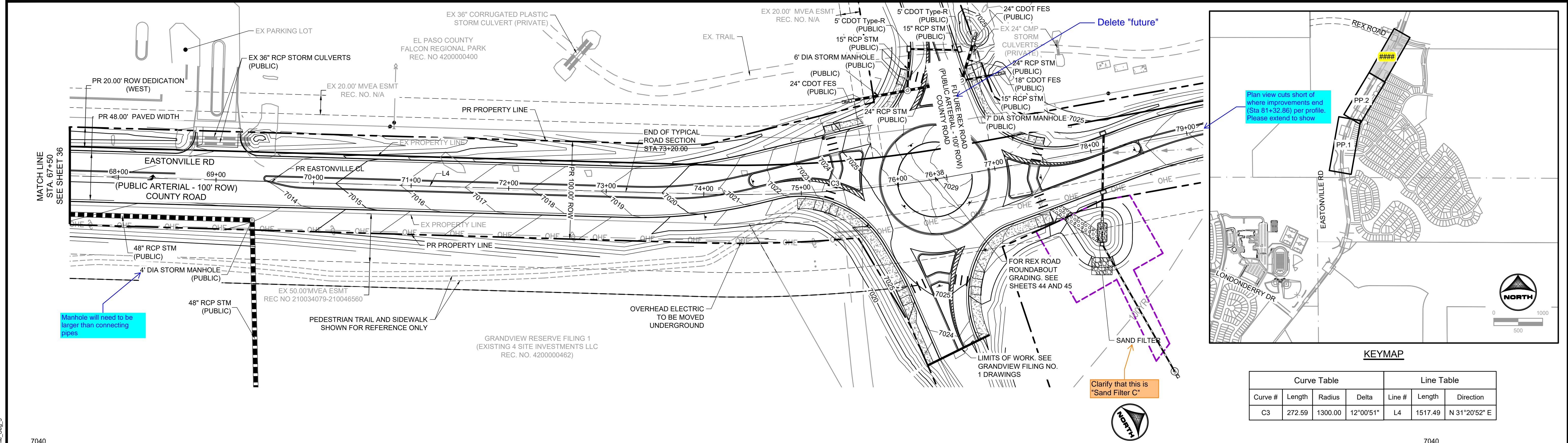
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FROM GRANDVIEW FILING 1 TO REX RD (SEGMENT 2)
 PLAN & PROFILE

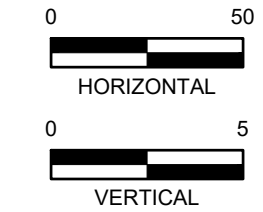
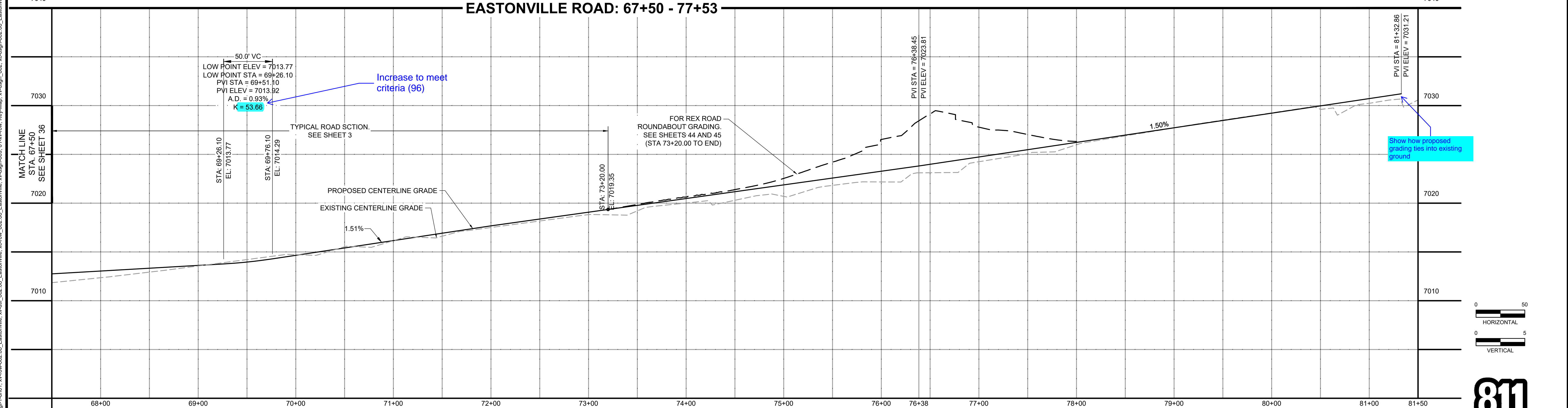
SHEET
PP.1
35





Curve Table				Line Table	
Curve #	Length	Radius	Delta	Line #	Direction
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EASTONVILLE ROAD: 67+50 - 77+53



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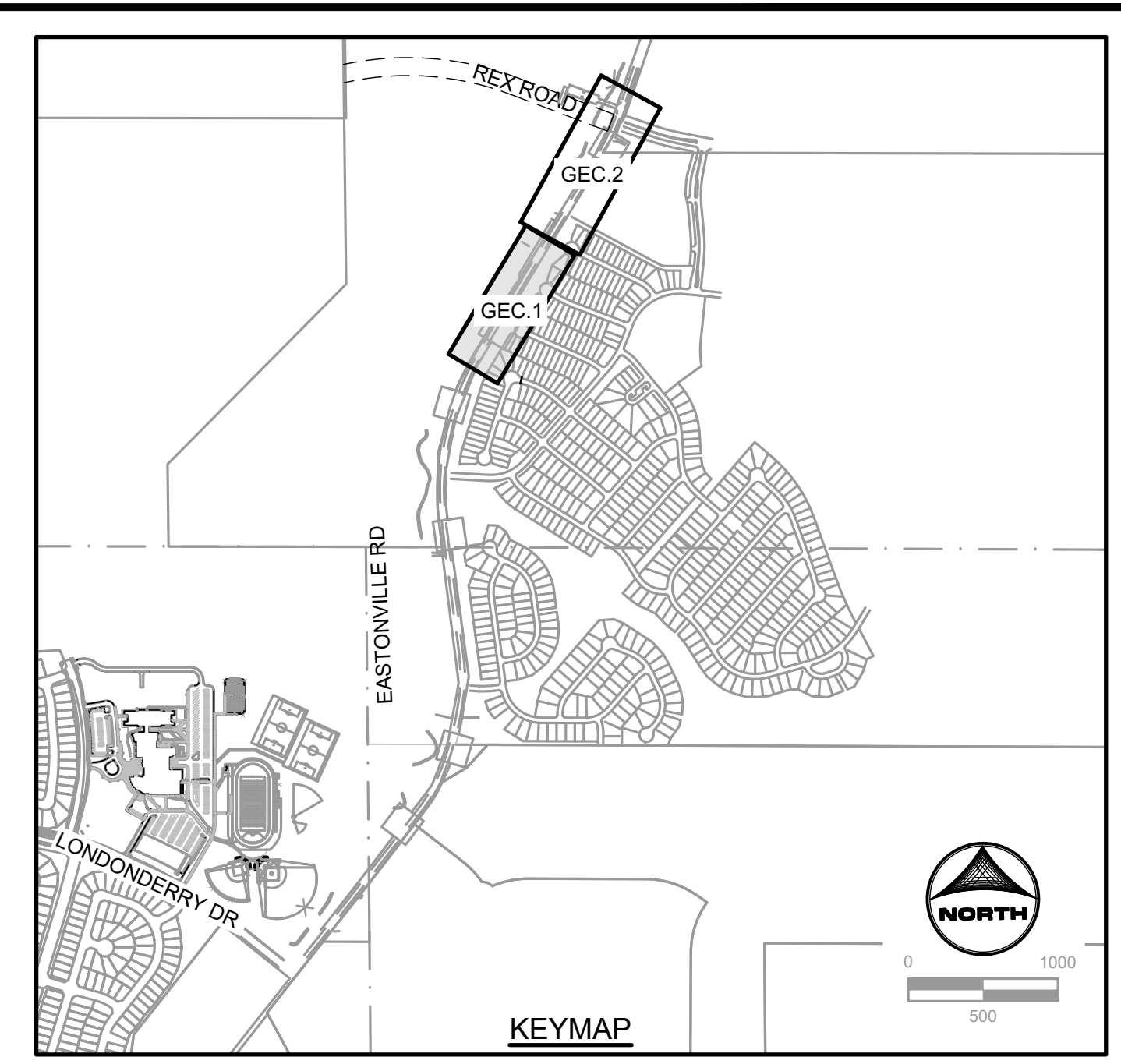
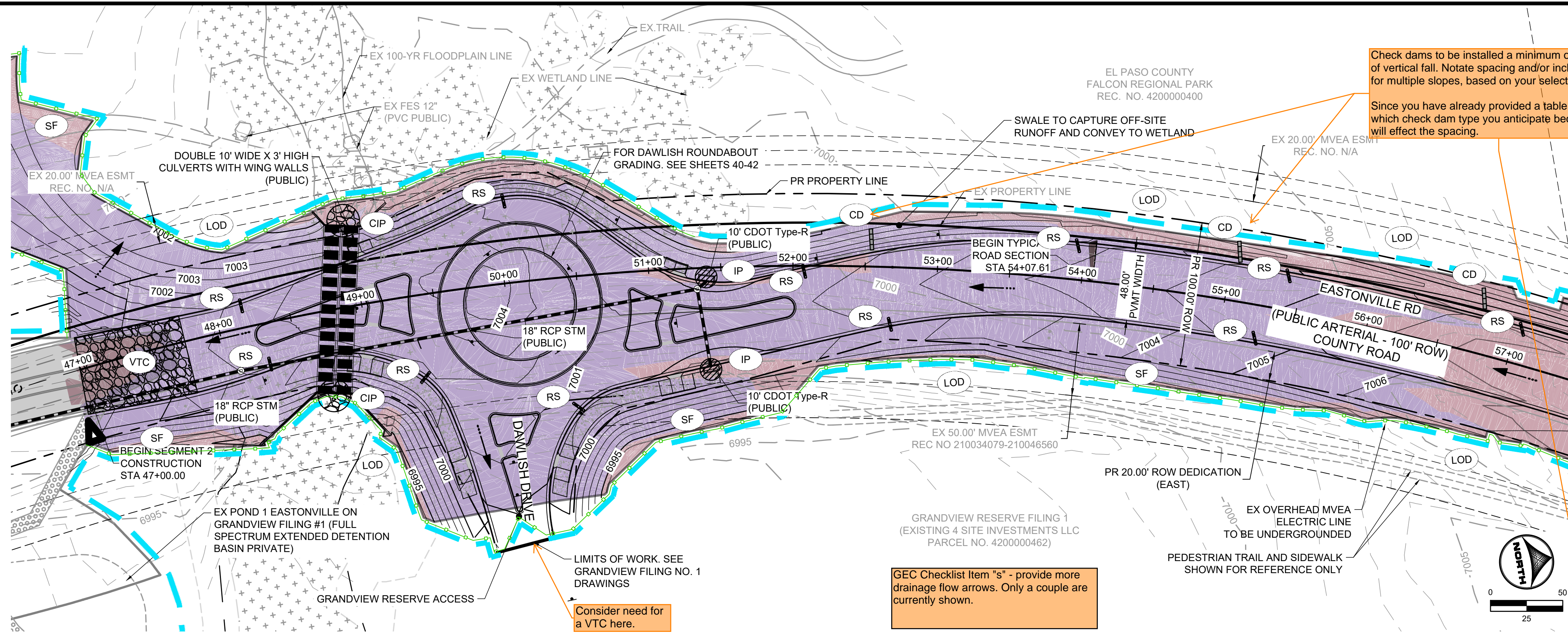
NO.	DATE	BY	REVISION DESCRIPTION

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FROM GRANDVIEW FILING 1 TO REX RD (SEGMENT 2)
 PLAN & PROFILE

SHEET
PP.3 **37**



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

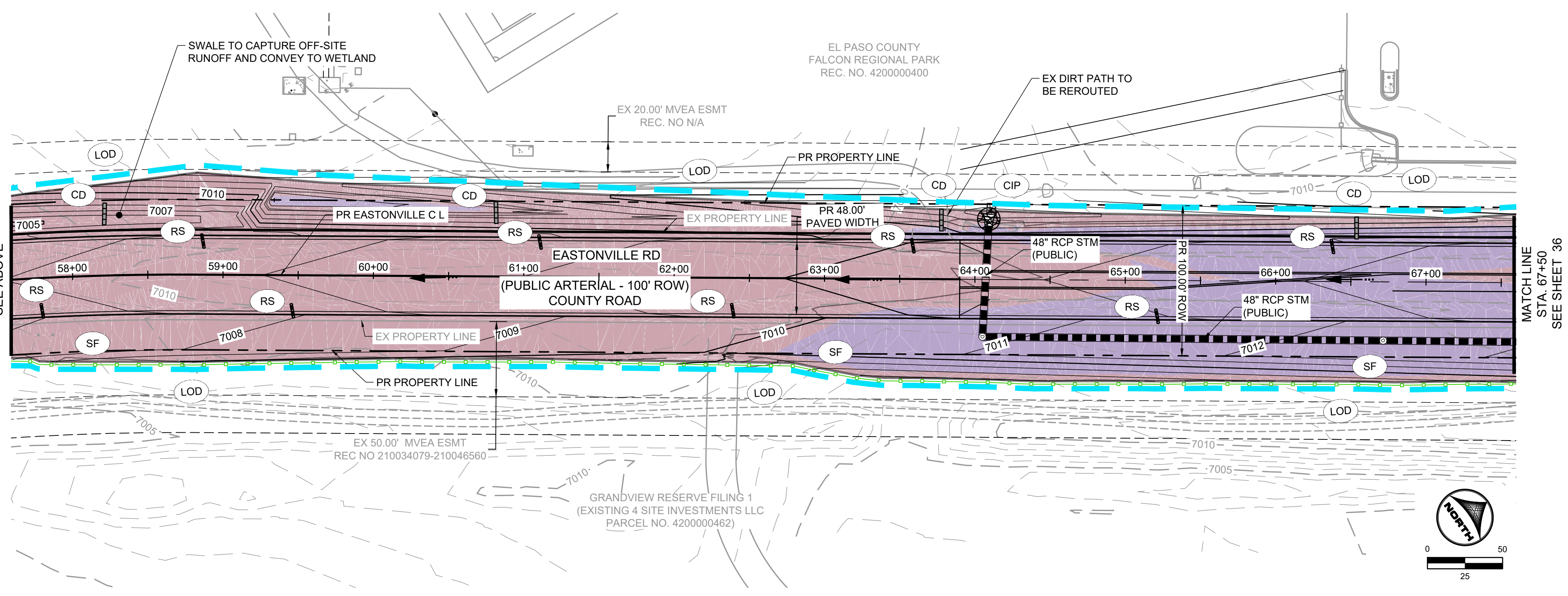


TABLE 1.1 - CHECK DAM SPACING

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



Provide details for all temp BMPs shown on GEC Plans.

HR GREEN 01-XC-PR_100YR_PP_DELINEATION_A_vg-1-df01; xv-row-662.08_Eastonville; xv-ull_662.08_Eastonville; xc-row-662.08_Eastonville; 01-xv-row-KeyMap; xv-sign_662; xc-sign-662.08_Eastonville_Seg_3_gcc_legend

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 APPROVED: CPM JOB NUMBER: 201662.08
 CAD DATE: 2/2/2024
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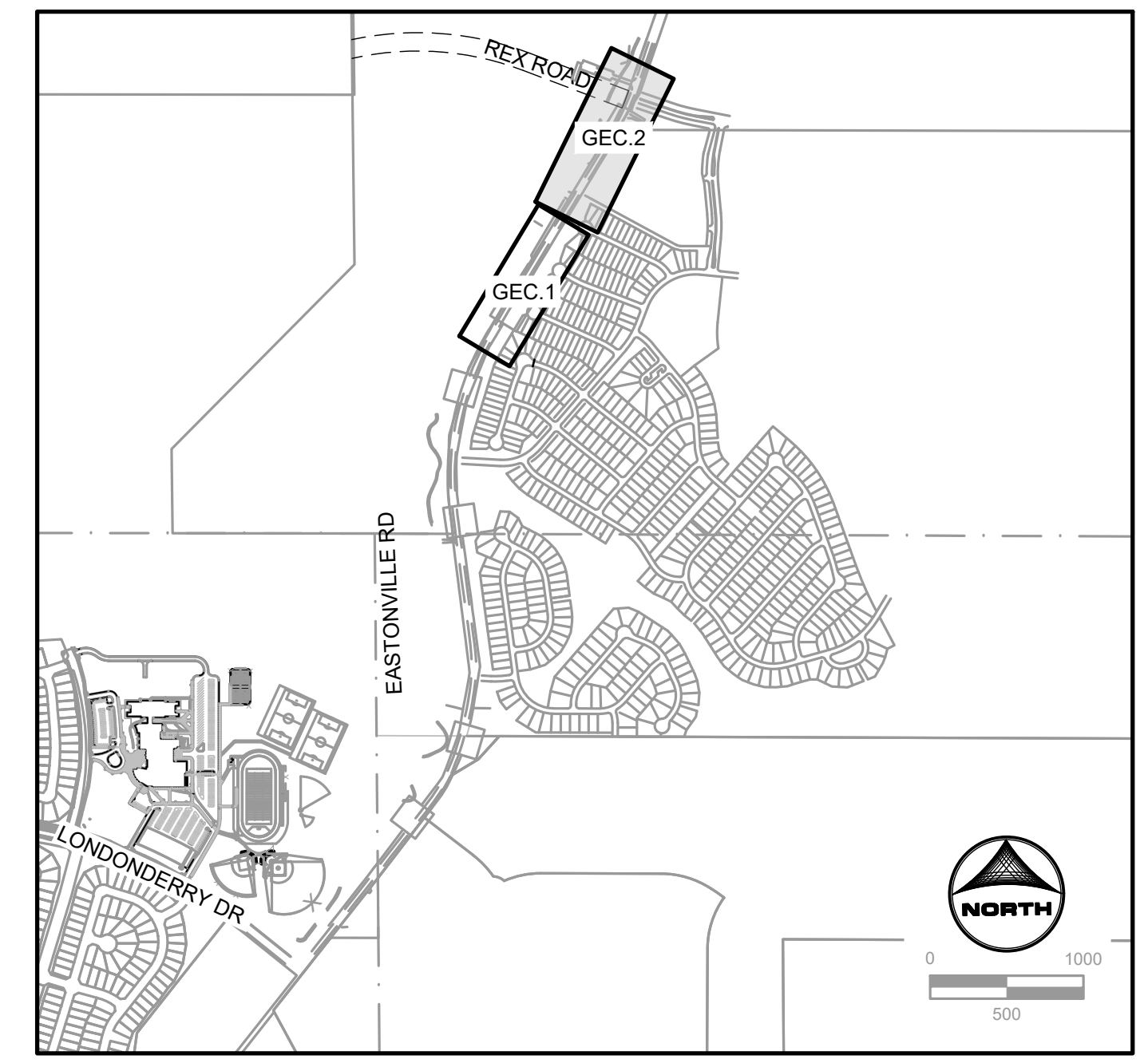
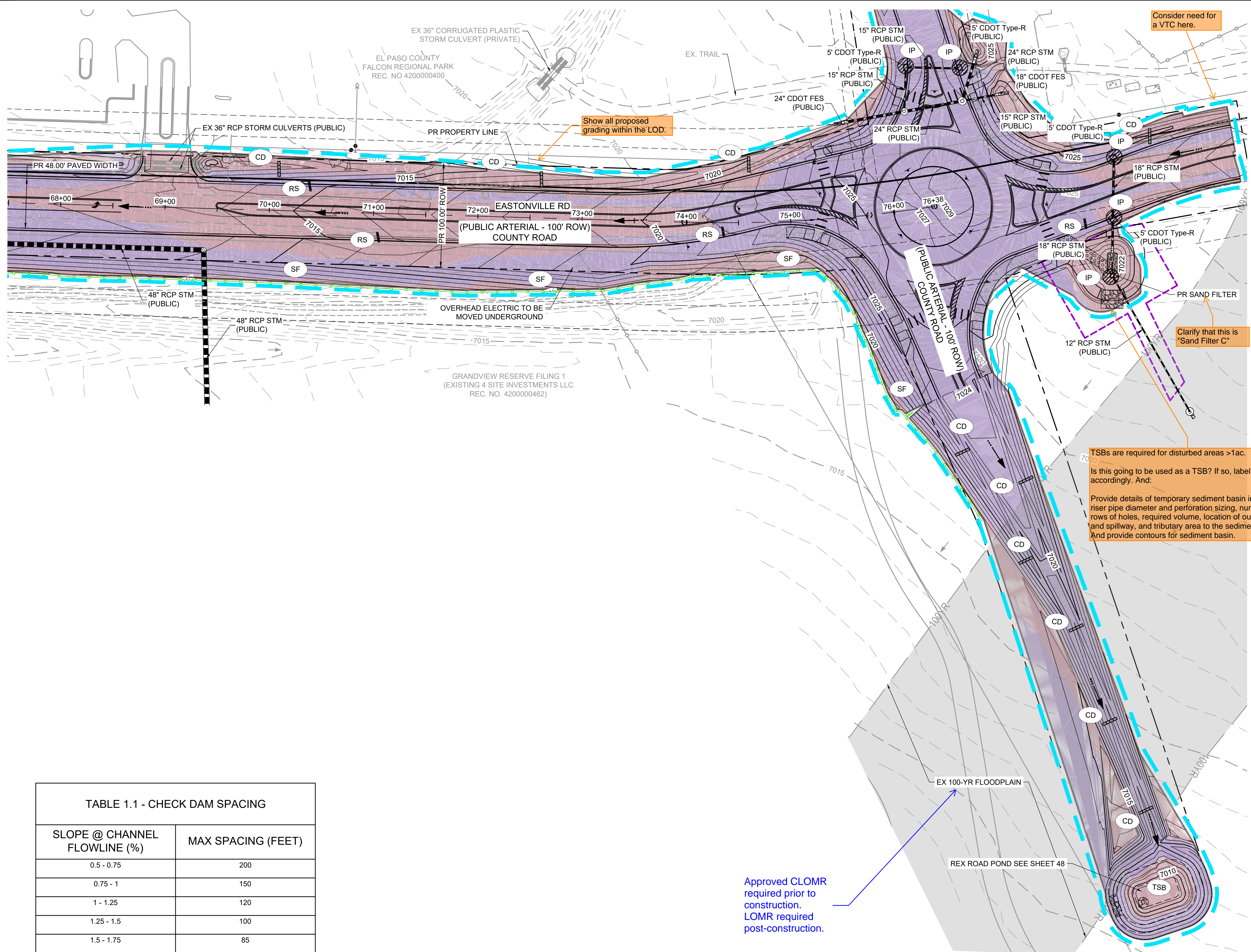
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FROM GRANDVIEW FILING 1 TO REX RD (SEGMENT 2)
 GRADING & EROSION CONTROL PLAN

SHEET
GEC.1 38



- GEC LEGEND:**
- CWA CONCRETE WASHOUT AREA
 - IP INLET PROTECTION
 - CIP CULVERT INLET PROTECTION
 - SF SILT FENCE
 - SSA STABILIZED STAGING AREA
 - VTC VEHICLE TRACKING CONTROL
 - EDB EXTENDED DETENTION BASIN
 - TSB TEMPORARY SEDIMENT BASIN
 - CD CHECK DAM
 - RS ROCK SOCK
 - LOD LIMITS OF CONSTRUCTION/ DISTURBANCE
- PHASE**
- INTERIM
 - INTERIM
 - INTERIM
 - INITIAL/INTERIM
 - INTERIM
 - INITIAL
 - FINAL
 - INTERIM
 - INTERIM
 - INTERIM
 - FINAL
- NOTE:** ALL DISTURBED AREAS OUTSIDE OF THE PROPOSED ROADWAY SECTION SHALL BE RESEEDED AND MULCHED WITH NATIVE GRASSES PER EL PASO COUNTY SEED MIX

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

DRAWN BY: AXB JOB DATE: 2/2/2024
 APPROVED: CPM JOB NUMBER: 201662.08
 CAD DATE: 2/2/2024
 CAD FILE: J:\2020\201662\CAD\Drawings\Eastonville_Road_662.08\Segment_2\CD\GEC\GEC

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: 713.965.0044

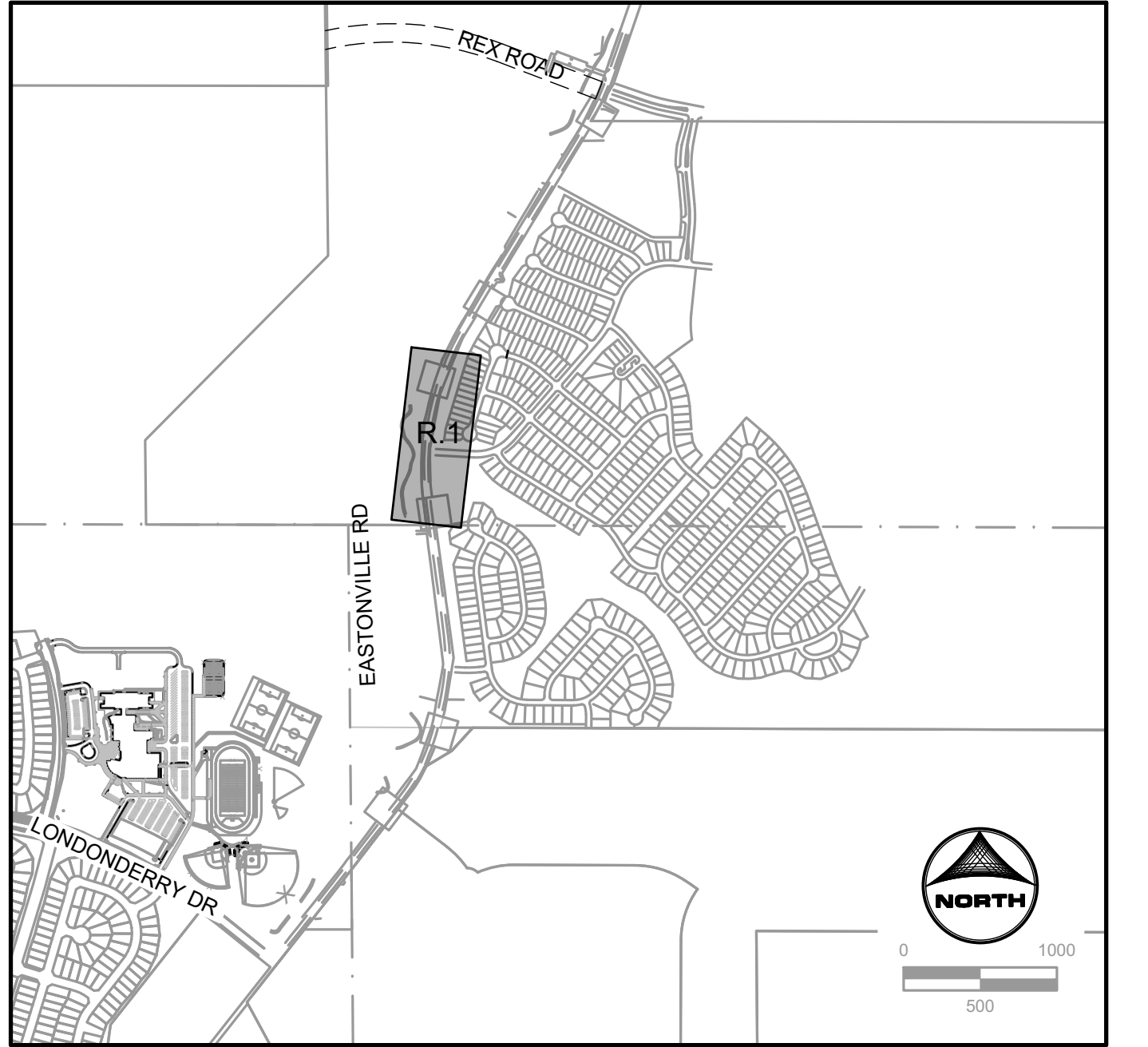
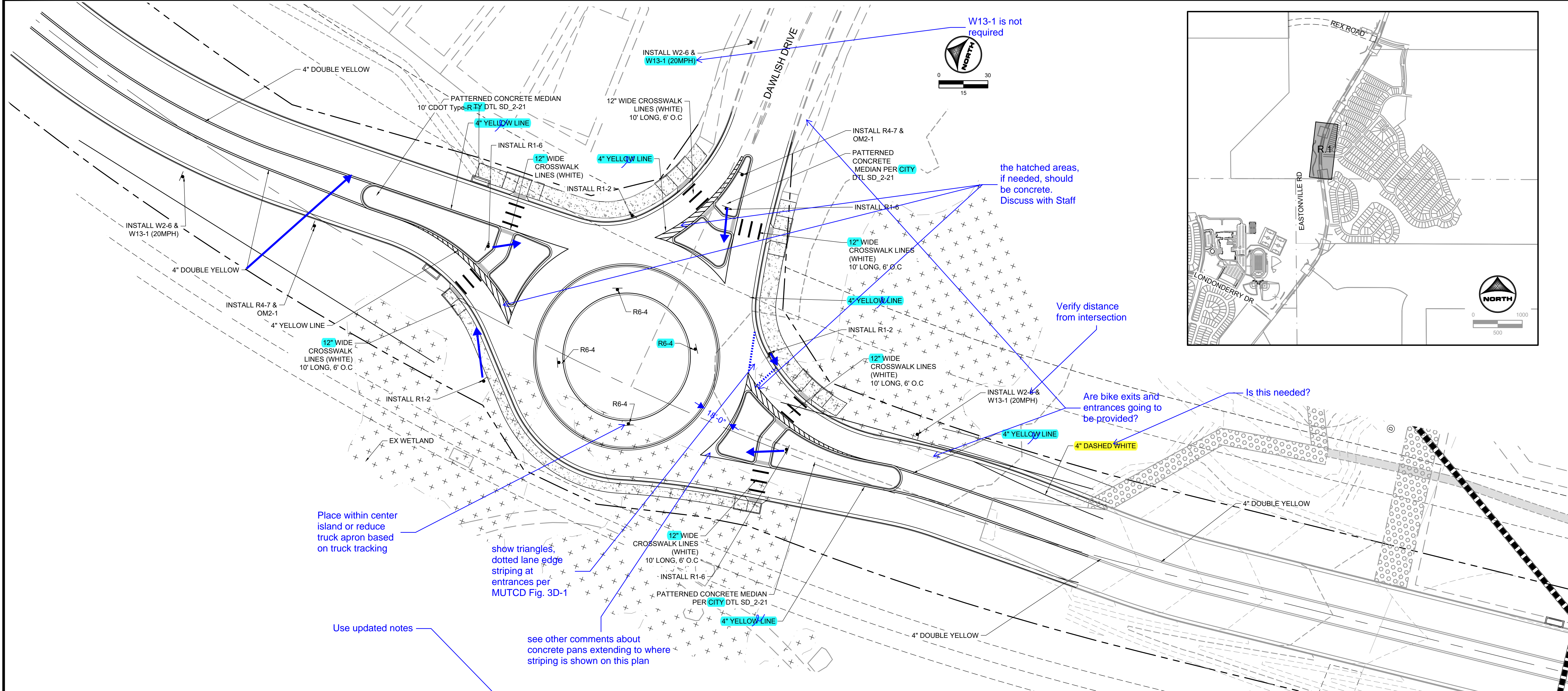
EASTONVILLE ROAD IMPROVEMENTS
DR. HORTON
 EL PASO COUNTY, COLORADO

FROM GRANDVIEW FILING 1 TO REX RD (SEGMENT 2)
 GRADING & EROSION CONTROL PLAN

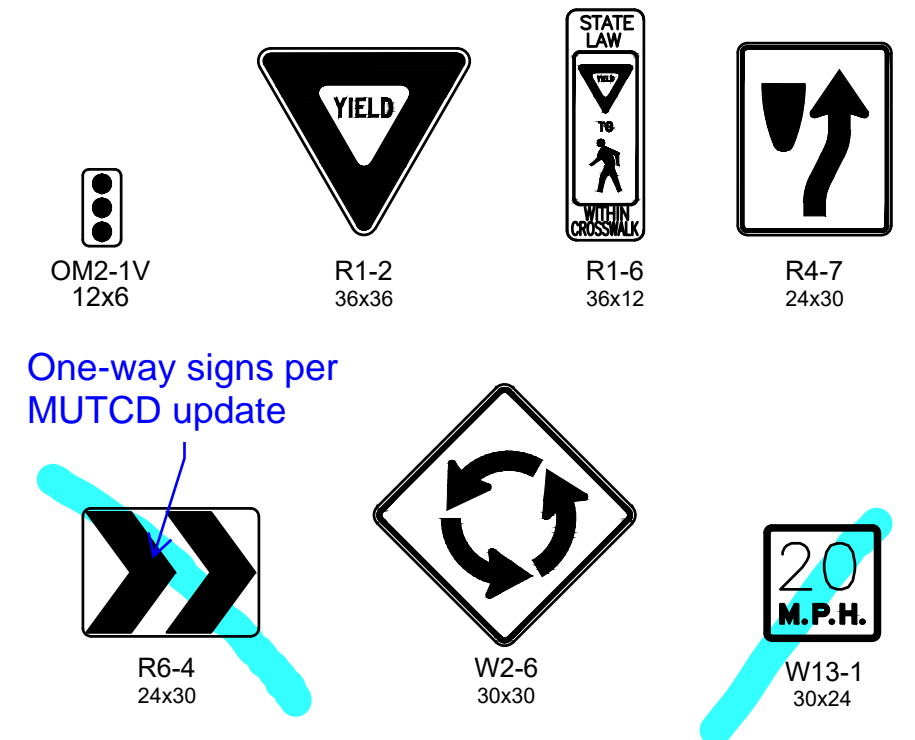
SHEET
GEC.2 39



HR GREEN xcr-062.08_Eastonville_Seg_2_20240208_CAD\Drawings\CAD\Drawings\Eastonville_Road_662.08\Segment_2\CD\Road_CDs\Roundabout_Signing_and_Striping.dwg



- 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 PLANNING AND COMMUNITY DEVELOPMENT. ALL SIGNS SHOWN ON THE SIGNING AND STRIPING PLAN SHALL BE NEW SIGNS. EXISTING SIGNS MAY REMAIN OR BE REUSED IF THEY MEET CURRENT EL PASO COUNTY PUBLIC WORKS DEPARTMENT 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 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 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 PUBLIC WORKS DEPARTMENT PRIOR TO ANY SIGNAGE OR STRIPING WORK WITHIN AN EXISTING EL PASO COUNTY ROADWAY.



DRAWN BY: AXB	JOB DATE: 2/2/2024	BAR IS ONE INCH ON OFFICIAL DRAWINGS:
APPROVED: CPM	JOB NUMBER: 201662.08	0" = 1"
CAD DATE: 2/2/2024		IF NOT ONE INCH, ADJUST SCALE ACCORDINGLY.
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NO.	DATE	BY	REVISION DESCRIPTION

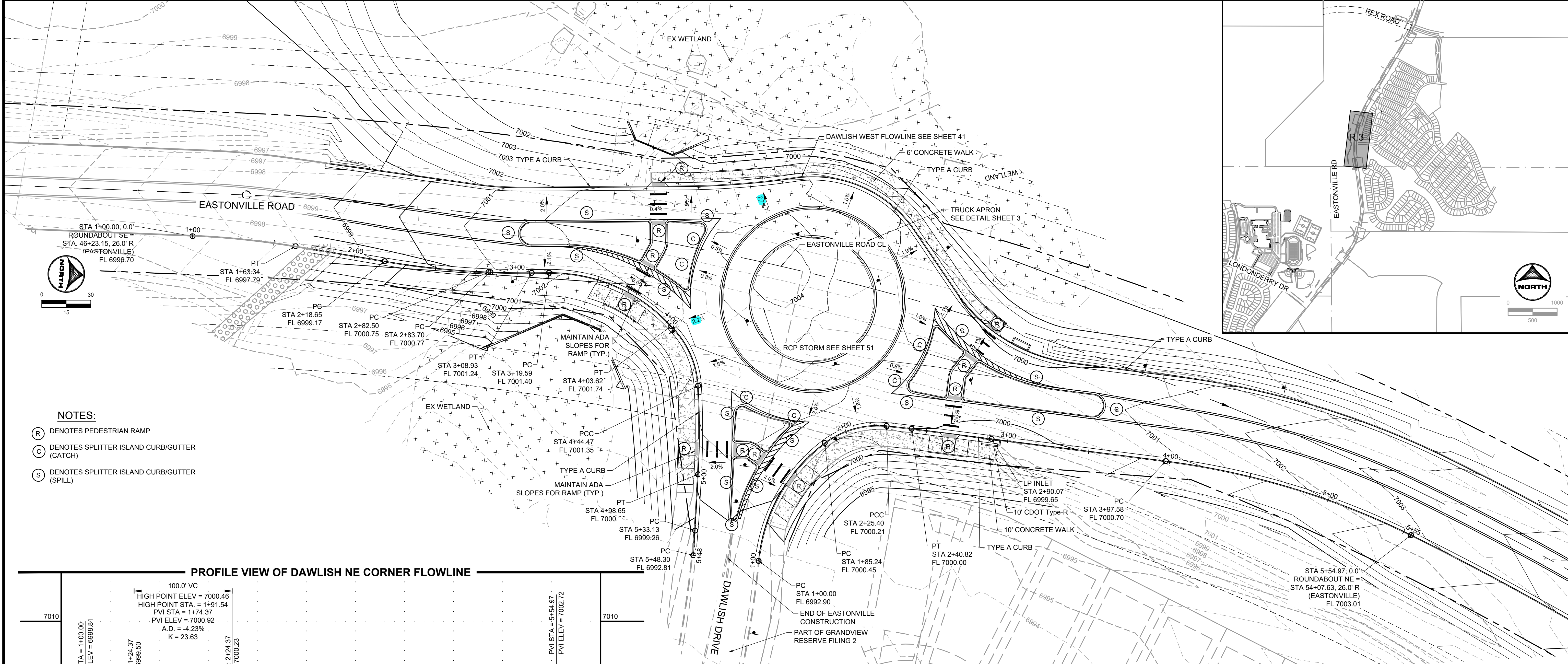
HRGreen
 HR GREEN - COLORADO SPRINGS
 1975 RESEARCH PARKWAY SUITE 230
 COLORADO SPRINGS CO 80920
 PHONE: 719.300.4140
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EASTONVILLE ROAD IMPROVEMENTS
DR. HORTON
 EL PASO COUNTY, COLORADO

D-R HORTON
America's Builder

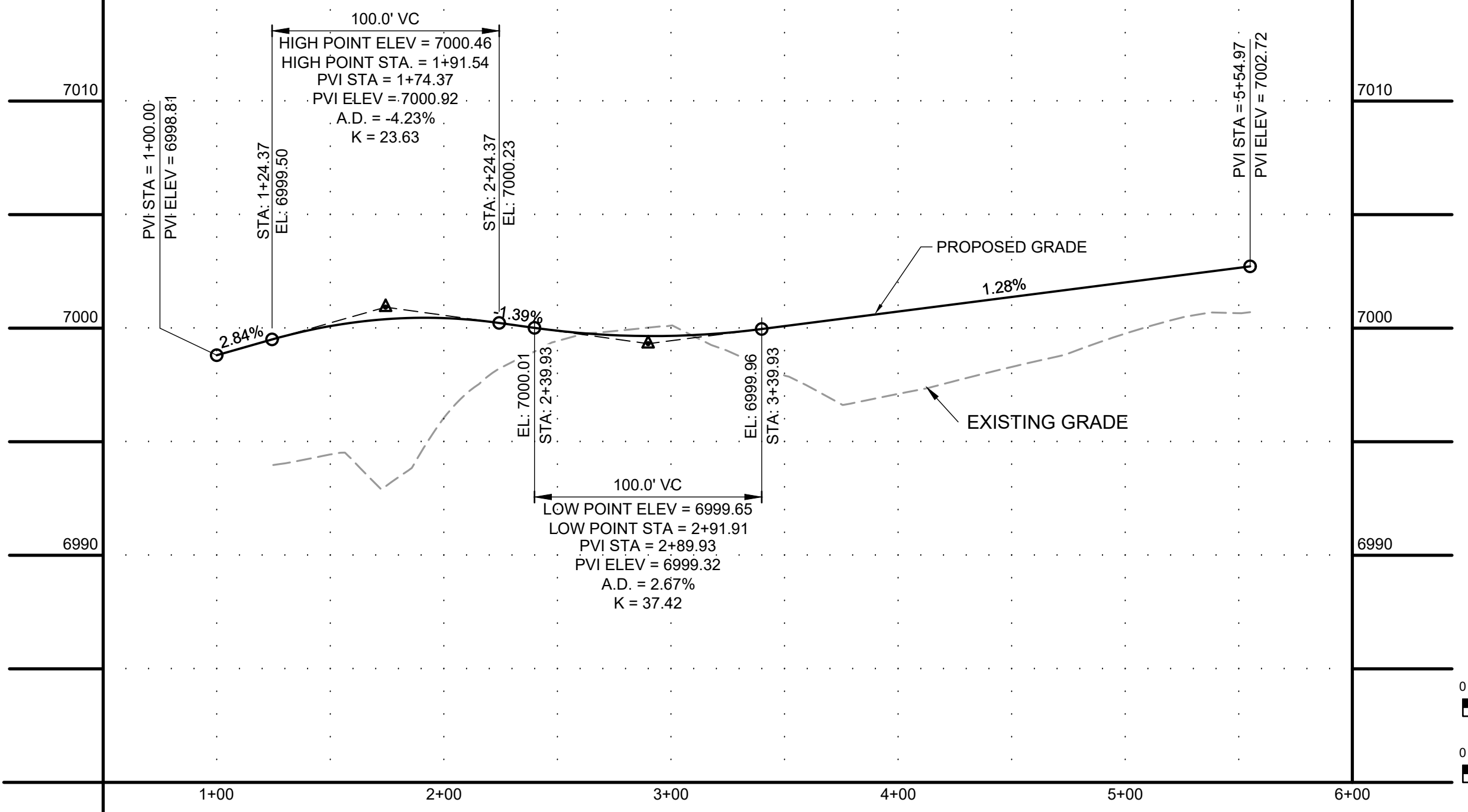
FROM GRANDVIEW FILING 1 TO REX RD (SEGMENT 2)
 DAWLISH ROUNDABOUT STRIPING

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

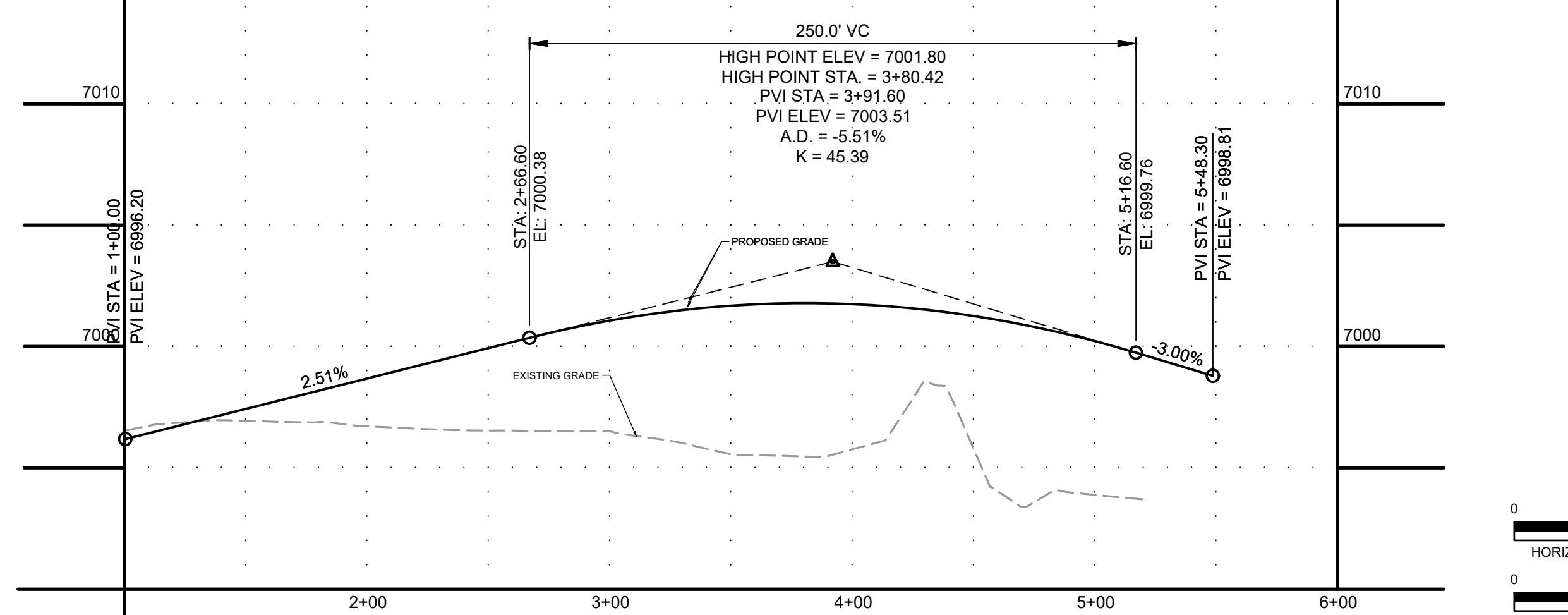


- NOTES:**
- (R) DENOTES PEDESTRIAN RAMP
 - (C) DENOTES SPLITTER ISLAND CURB/GUTTER (CATCH)
 - (S) DENOTES SPLITTER ISLAND CURB/GUTTER (SPILL)

PROFILE VIEW OF DAWLISH NE CORNER FLOWLINE



PROFILE VIEW OF DAWLISH SE CORNER FLOWLINE



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 CAD DATE: 2/2/2024
 CAD FILE: J:\2020\201662\CAD\DWGS\CIEastonville_Road_662.08\Segment_2\CID\Road_CDs\Roundabout

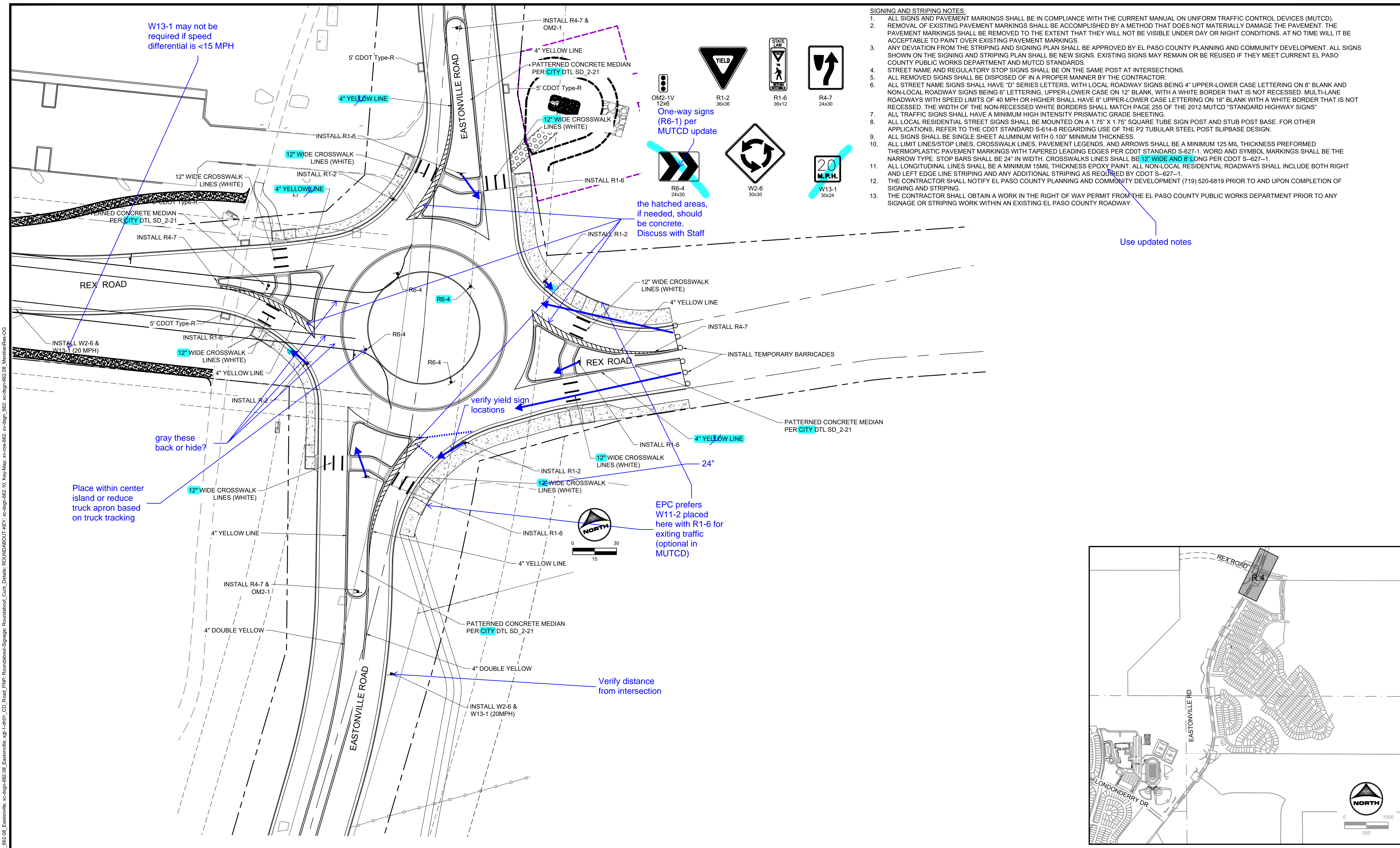
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HRGreen
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 1975 RESEARCH PARKWAY SUITE 230
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EASTONVILLE ROAD IMPROVEMENTS
DR. HORTON
 EL PASO COUNTY, COLORADO

FROM GRANDVIEW FILING 1 TO REX RD (SEGMENT 2)
 DAWLISH ROUNDABOUT GRADING

SHEET
R.3
 42



- SIGNING AND STRIPING NOTES:**
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One-way signs (R6-1) per MUTCD update

the hatched areas, if needed, should be concrete. Discuss with Staff

Use updated notes

W13-1 may not be required if speed differential is <15 MPH

gray these back or hide?

Place within center island or reduce truck apron based on truck tracking

verify yield sign locations

EPC prefers W11-2 placed here with R1-6 for exiting traffic (optional in MUTCD)

Verify distance from intersection

HR GREEN file: x:row_662_08_Eastonville_xc-dgn-662_08_Roundabout_Signage_Roundabout_Curb_Details_ROUNDABOUT-KEY_xc-dgn-662_10_Key-Map_x:row_662_xv-dgn_662_xc-dgn-662_08_MeridianRes-OG

DRAWN BY: AXB	JOB DATE: 2/2/2024	BAR IS ONE INCH ON OFFICIAL DRAWINGS.
APPROVED: CPM	JOB NUMBER: 201662.08	0" = 1"
CAD DATE: 2/2/2024		IF NOT ONE INCH, ADJUST SCALE ACCORDINGLY.
CAD FILE: J:\2020\201662\CAD\DWG\CIE\Eastonville_Road_662.08\Segment_3\CD\Road_CDs\Roundabout		grading and signs

NO.	DATE	BY	REVISION DESCRIPTION

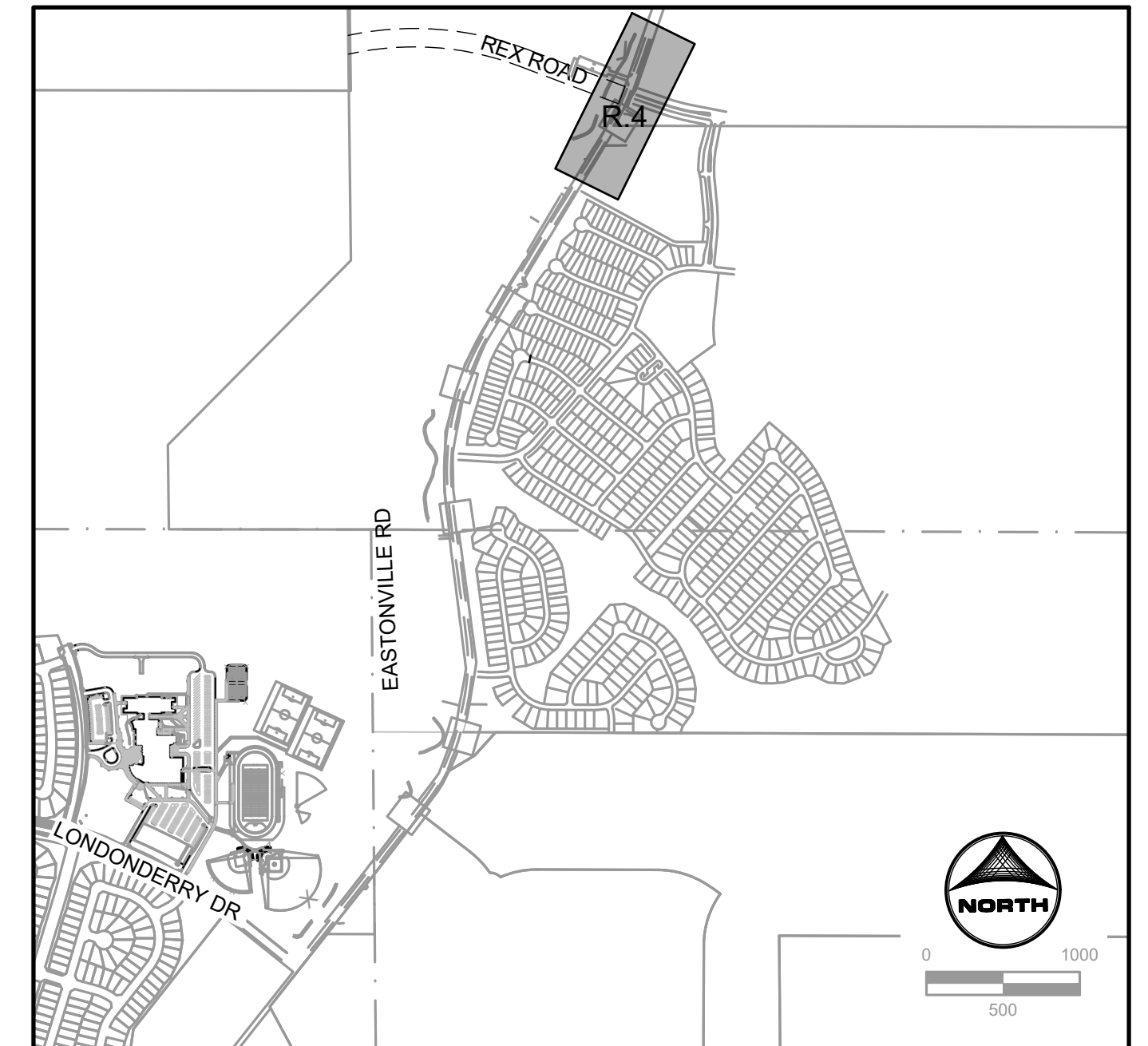
HRGreen
 HR GREEN - COLORADO SPRINGS
 1975 RESEARCH PARKWAY SUITE 230
 COLORADO SPRINGS CO 80920
 PHONE: 719.300.4140
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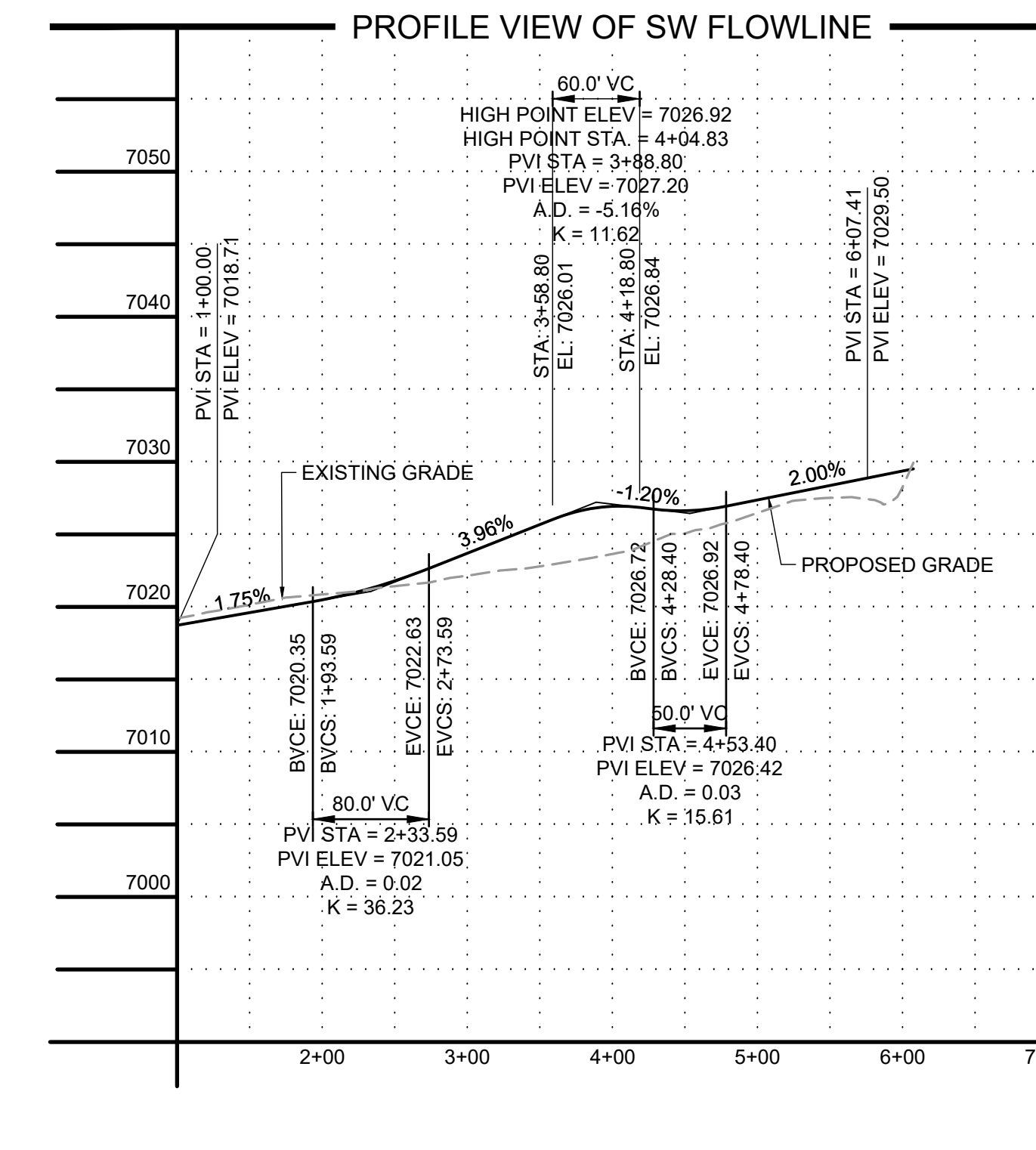
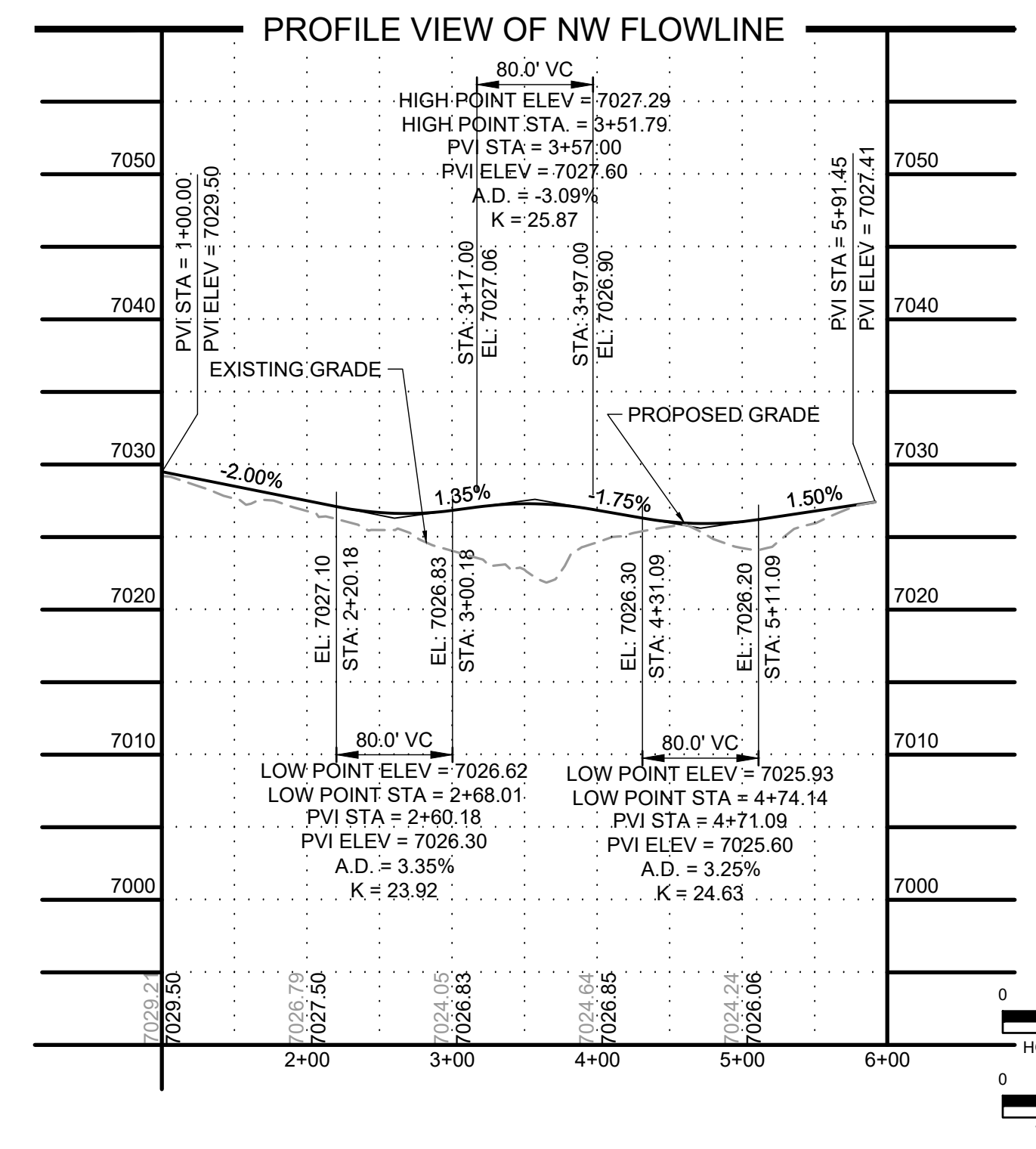
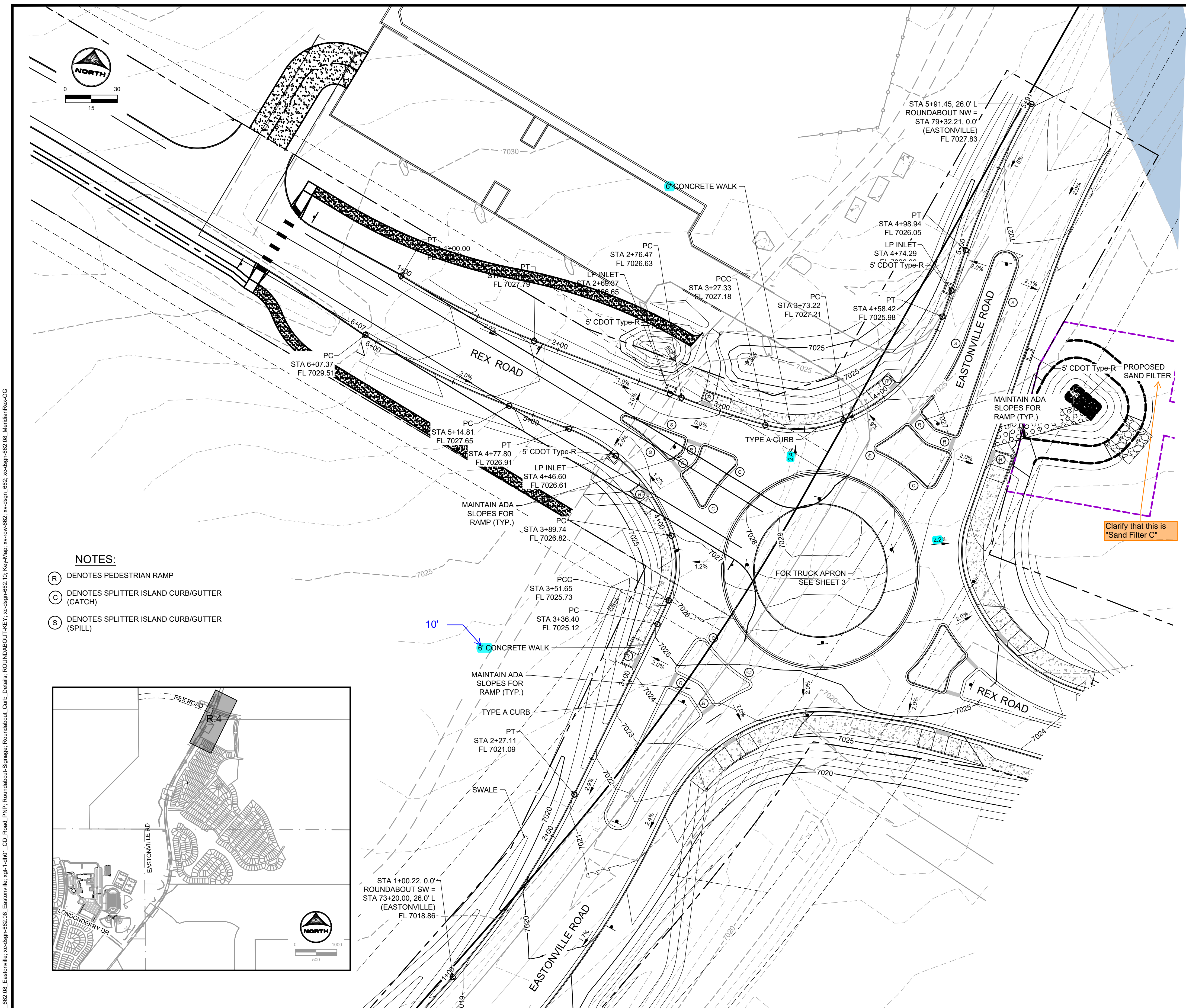
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 EL PASO COUNTY, COLORADO

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America's Builder

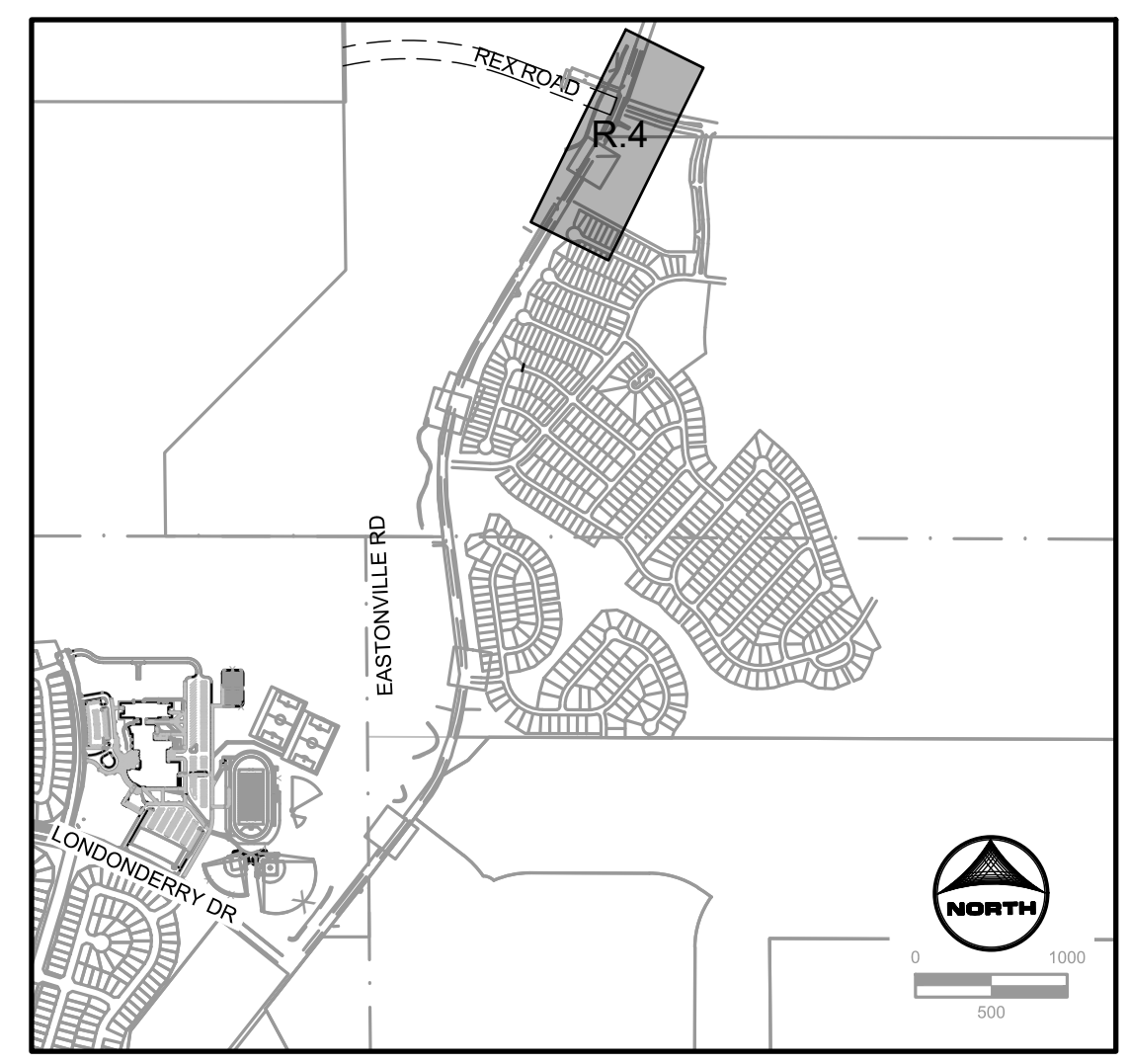
FROM GRANDVIEW FILING 1 TO REX RD (SEGMENT 2)
 REX ROUNDABOUT STRIPING

SHEET
R.4
 43





- NOTES:**
- (R) DENOTES PEDESTRIAN RAMP
 - (C) DENOTES SPLITTER ISLAND CURB/GUTTER (CATCH)
 - (S) DENOTES SPLITTER ISLAND CURB/GUTTER (SPILL)



NO.	DATE	BY	REVISION DESCRIPTION

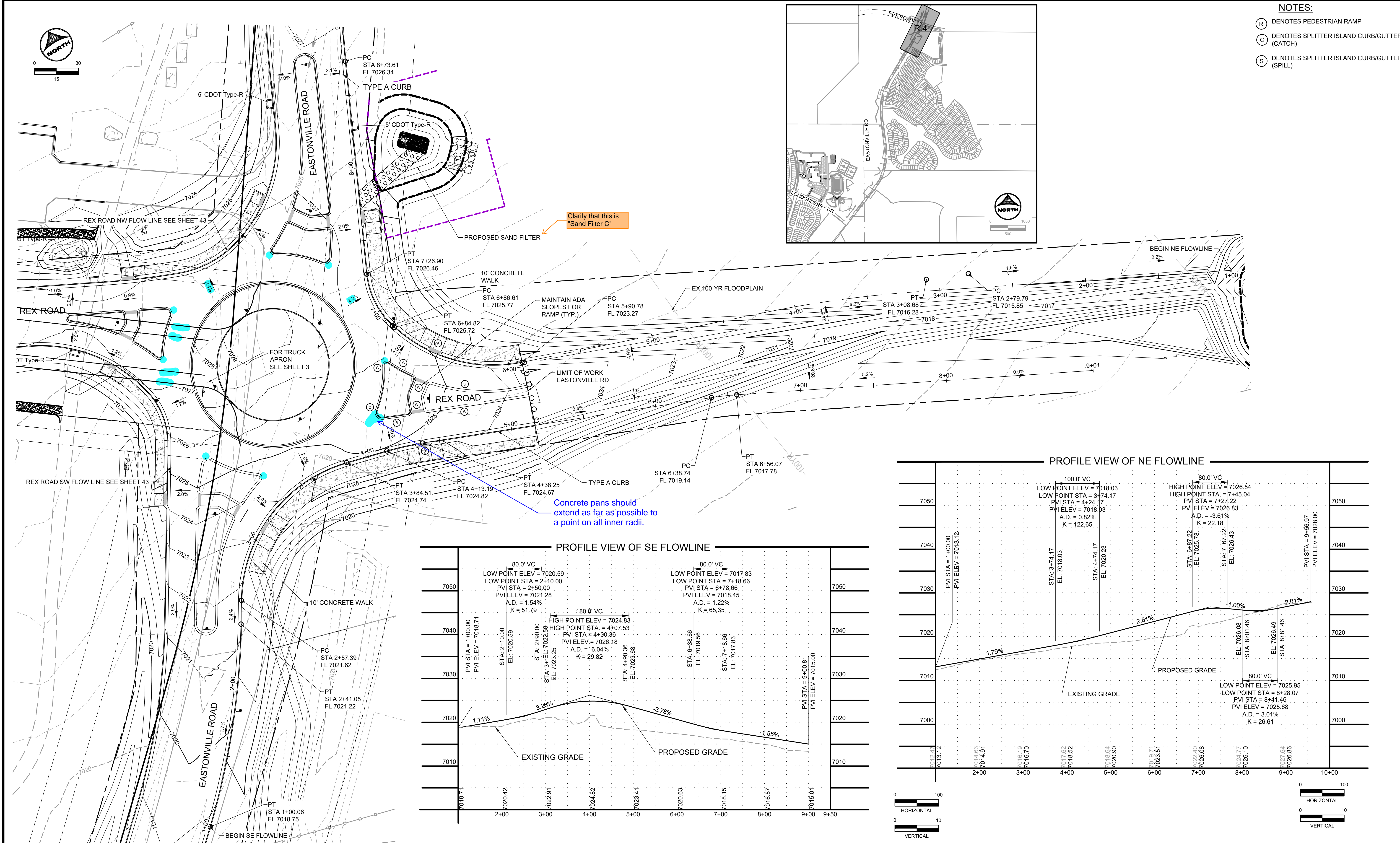
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 HR GREEN - COLORADO SPRINGS
 1975 RESEARCH PARKWAY SUITE 230
 COLORADO SPRINGS CO 80920
 PHONE: 719.300.4140
 FAX: 713.965.0044

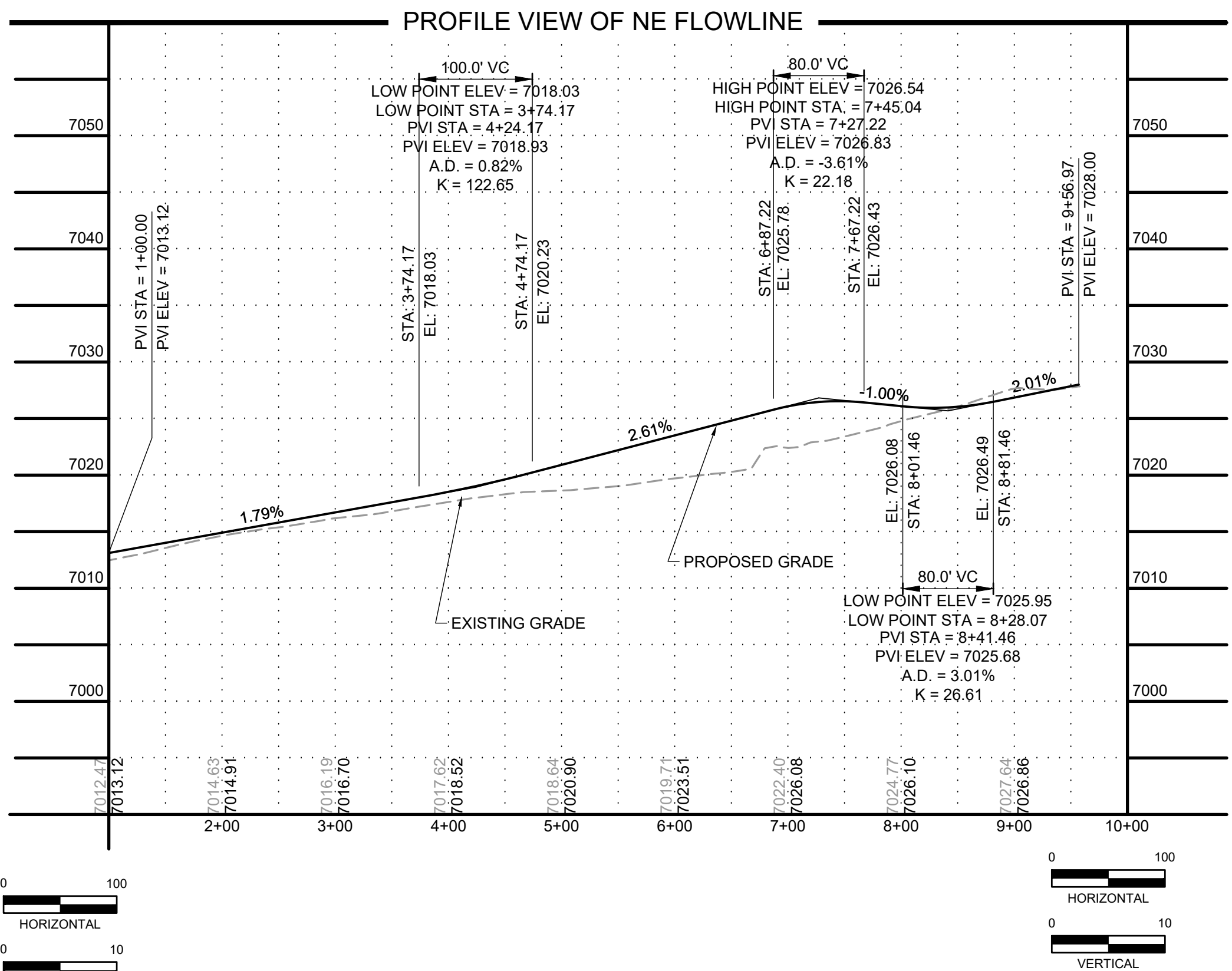
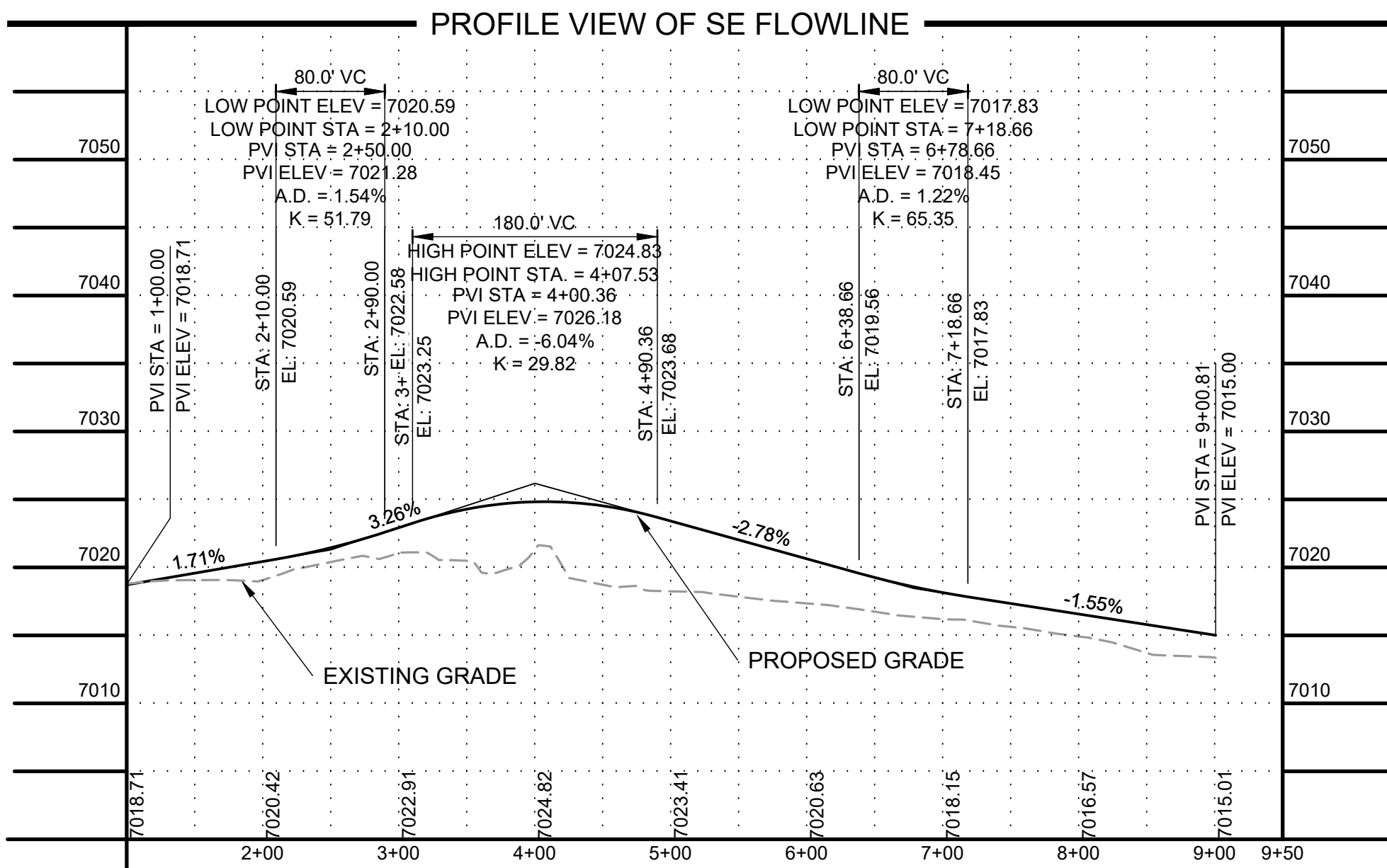
EASTONVILLE ROAD IMPROVEMENTS
DR. HORTON
 EL PASO COUNTY, COLORADO

FROM GRANDVIEW FILING 1 TO REX RD (SEGMENT 2)
 REX ROUNDABOUT GRADING

SHEET
R.5
44



- NOTES:**
- (R) DENOTES PEDESTRIAN RAMP
 - (C) DENOTES SPLITTER ISLAND CURB/GUTTER (CATCH)
 - (S) DENOTES SPLITTER ISLAND CURB/GUTTER (SPILL)



DRAWN BY: AXB JOB DATE: 2/2/2024
 APPROVED: CPM JOB NUMBER: 201662.08
 CAD DATE: 2/2/2024
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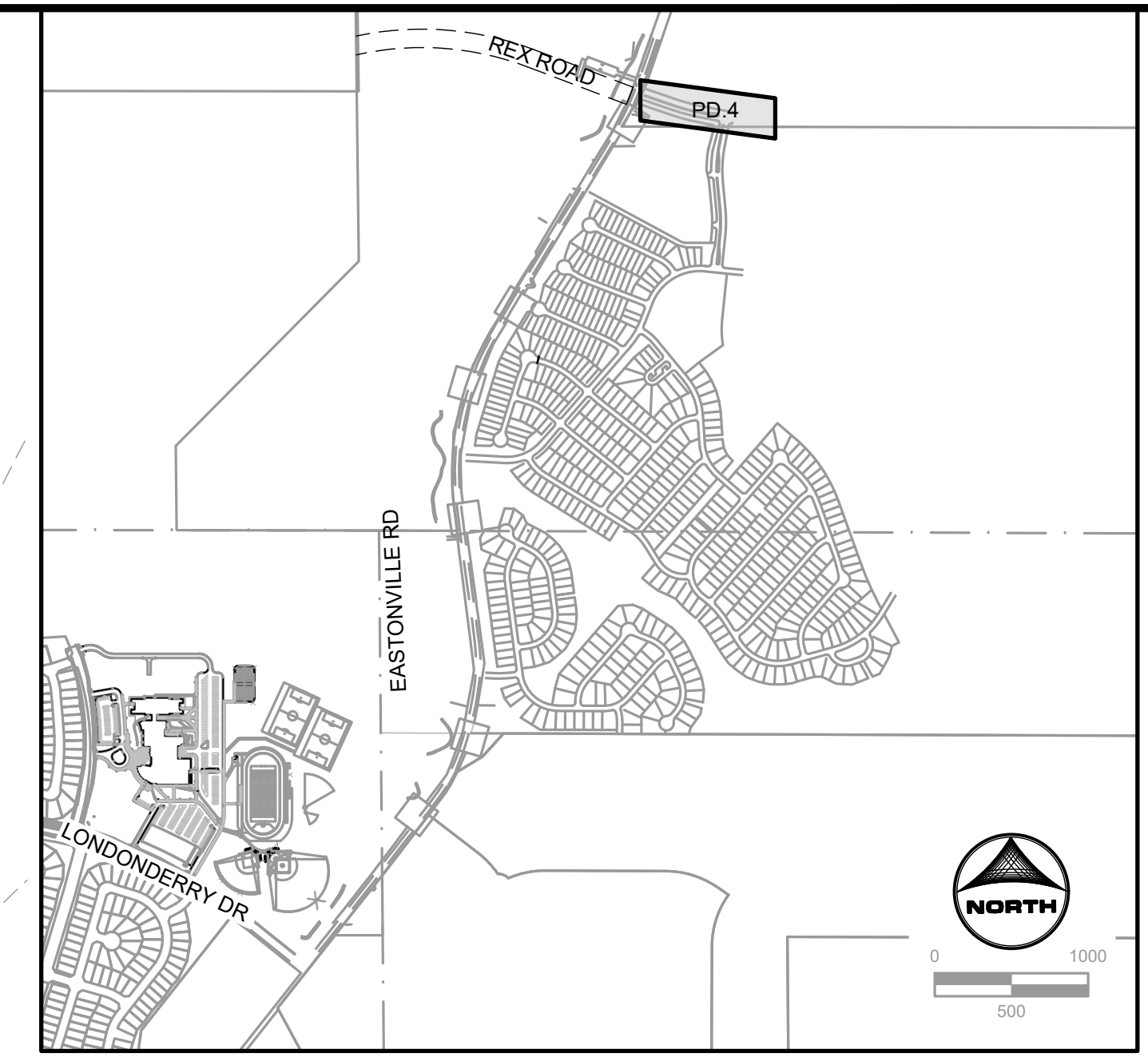
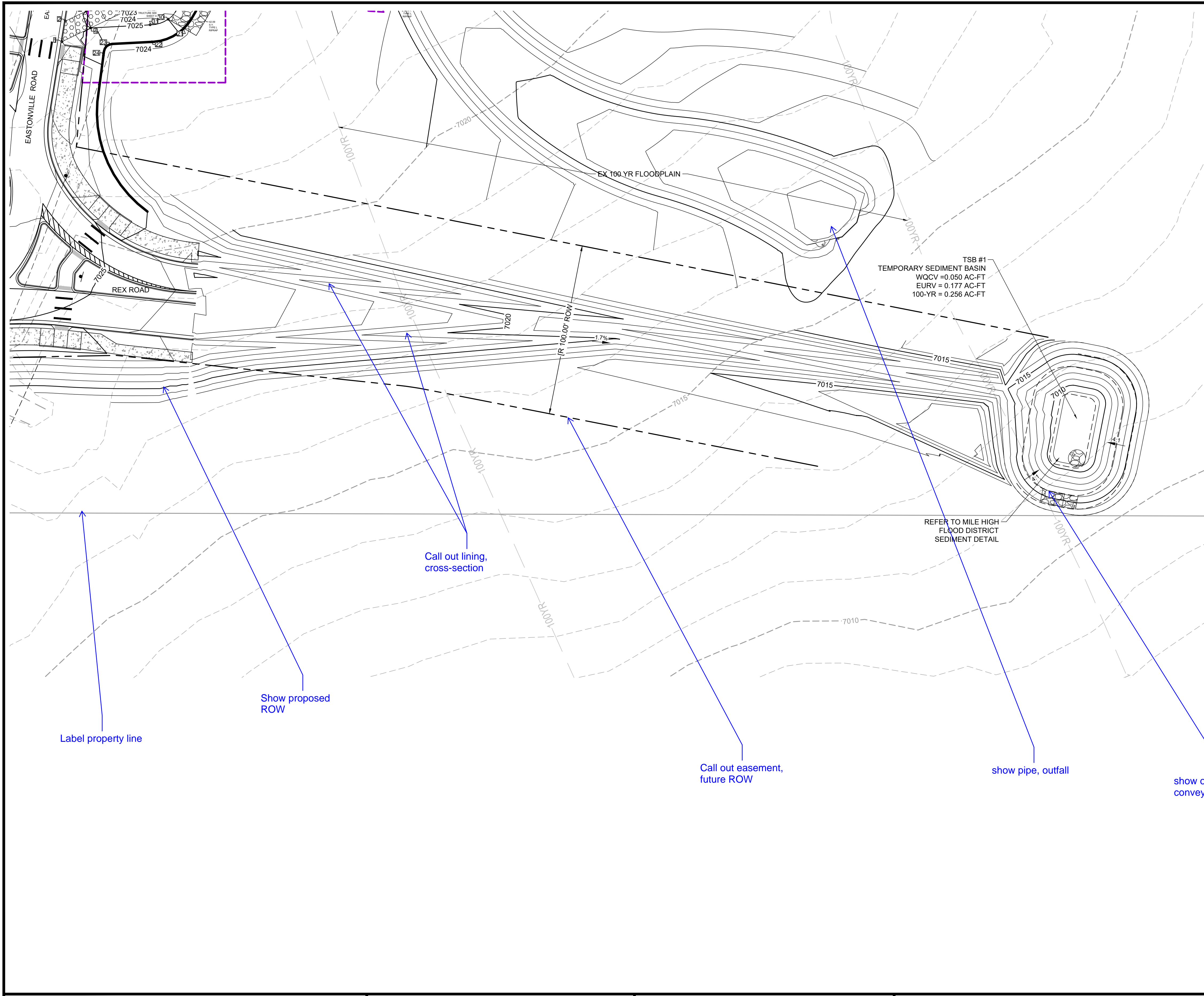
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HR GREEN - COLORADO SPRINGS
 1975 RESEARCH PARKWAY SUITE 230
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EASTONVILLE ROAD IMPROVEMENTS
DR. HORTON
 EL PASO COUNTY, COLORADO

FROM GRANDVIEW FILING 1 TO REX RD (SEGMENT 2)
 REX ROUNDABOUT GRADING

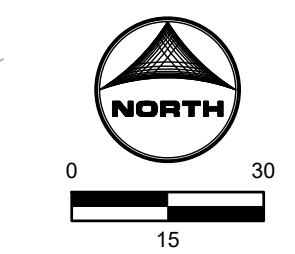
SHEET
R.6
 45



KEYMAP

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 SEEDING.
3. 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.
4. 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.
5. 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.



Label property line

Show proposed ROW

Call out lining, cross-section

Call out easement, future ROW

show pipe, outfall

show outfall pipe / conveyance

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APPROVED: CPM	JOB NUMBER: 201662.08	0 1"
CAD DATE: 2/2/2024		IF NOT ONE INCH, ADJUST SCALE ACCORDINGLY.
CAD FILE: J:\2020\201662\CAD\Drawings\CI\Eastonville_Road_662.08\Segment_3\CD\Road_CDs\Pond_Plans		

NO.	DATE	BY	REVISION DESCRIPTION

HRGreen
 HR GREEN - COLORADO SPRINGS
 1975 RESEARCH PARKWAY SUITE 230
 COLORADO SPRINGS CO 80920
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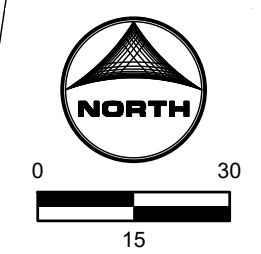
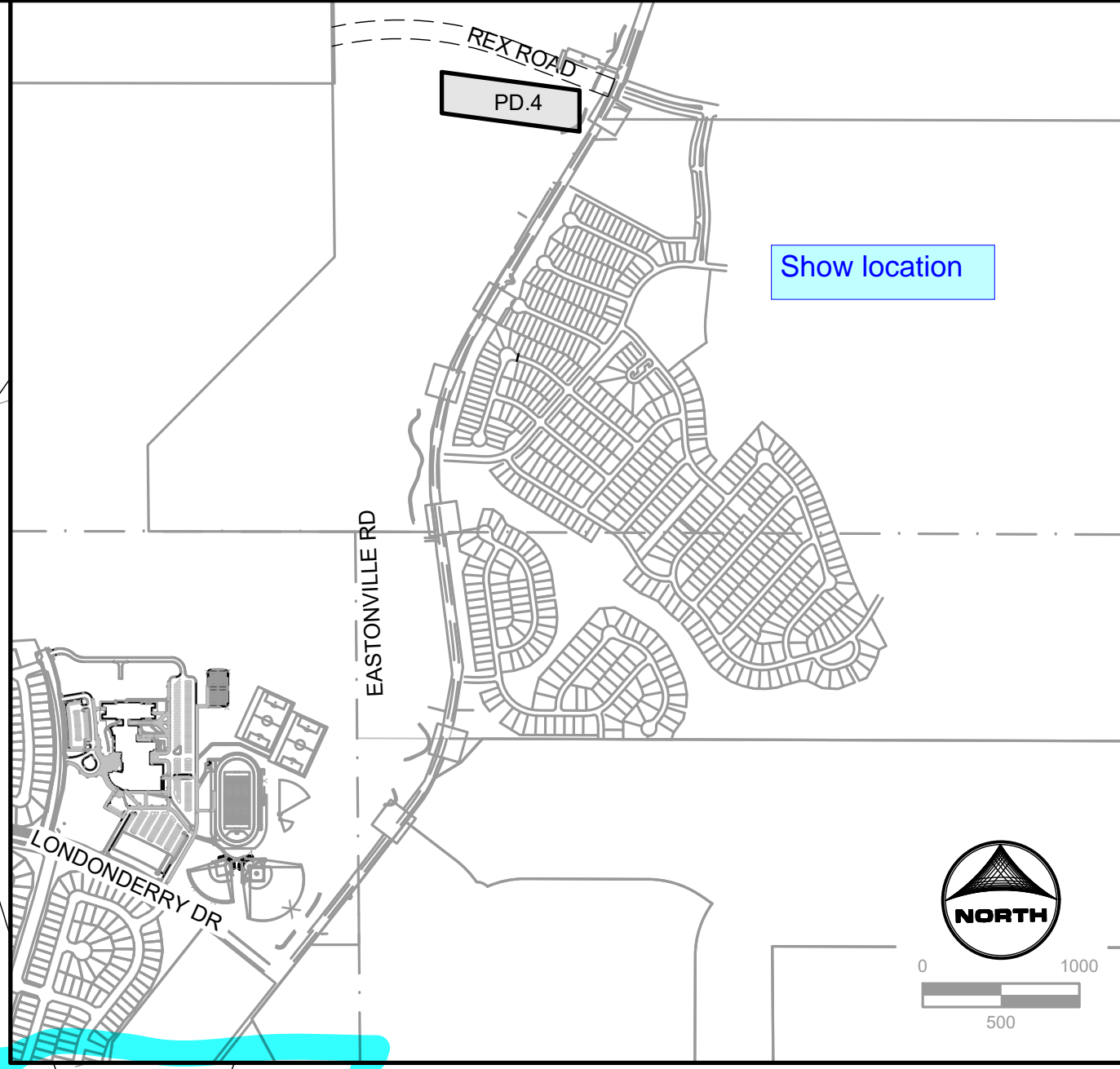
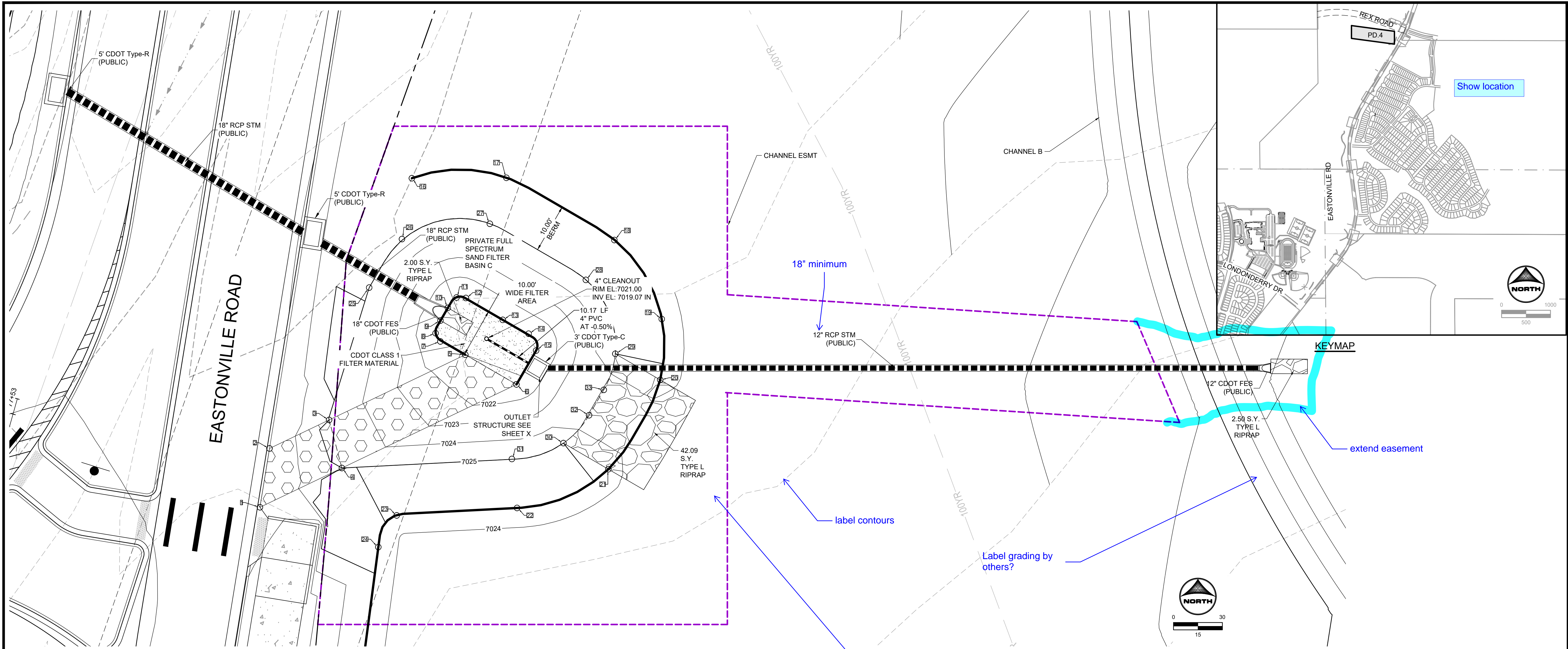
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America's Builder

FROM GRANDVIEW FILING 1 TO REX RD (SEGMENT 2)
 POND PLAN - TSB

SHEET
PD.1
48



HR GREEN file: xpl-1-dh01_CD_Road_PNP, x-crow-662.08_Eastonville, x-crow-662.08_Eastonville, x-crow-662.08_Eastonville, x-crow-662.08_Eastonville, P_1, x-crow-662.08_Eastonville_Seg_3



POINT TABLE				POINT TABLE			
No.	DESC.	NORTHING & EASTING	ELEV.	No.	DESC.	NORTHING & EASTING	ELEV.
1	BEGIN MAINT. RD	N: 1423409.53 E: 3265974.97	7026.88	12	BOP	N: 1423452.32 E: 3266017.10	7021.02
2	BEGIN MAINT. RD	N: 1423421.55 E: 3265976.93	7026.76	13	BOP	N: 1423447.84 E: 3266024.63	7021.00
3	MAINT. RD/TP	N: 1423427.38 E: 3265989.12	7025.00	14	BOP	N: 1423445.01 E: 3266029.93	7021.05
4	MAINT. RD/TP	N: 1423417.55 E: 3265991.74	7025.00	15	BOP	N: 1423441.56 E: 3266031.47	7021.00
5	MAINT. RD/BP	N: 1423440.72 E: 3266016.98	7021.00	16	TOP	N: 1423476.81 E: 3266006.05	7025.00
6	MAINT. RD/BP	N: 1423434.65 E: 3266027.45	7021.00	17	TOP	N: 1423476.89 E: 3266025.39	7025.00
7	BOP	N: 1423443.43 E: 3266011.88	7021.03	18	TOP	N: 1423464.17 E: 3266047.48	7025.00
8	BOP	N: 1423445.11 E: 3266010.91	7021.00	19	TOP	N: 1423448.01 E: 3266057.16	7025.00
9	BOP	N: 1423447.71 E: 3266011.91	7021.00	20	TOP	N: 1423435.58 E: 3266056.85	7025.00
10	BOP	N: 1423450.31 E: 3266013.42	7021.00	21	TOP	N: 1423417.31 E: 3266046.25	7025.00
11	BOP	N: 1423452.41 E: 3266015.19	7021.00	22	TOP	N: 1423409.39 E: 3266027.56	7025.00

POINT TABLE			
No.	DESC.	NORTHING & EASTING	ELEV.
23	TOP	N: 1423407.86 E: 3266002.96	7025.00
24	TOP	N: 1423401.39 E: 3265999.19	7025.00
25	TOP	N: 1423454.44 E: 3265997.32	7025.00
26	TOP	N: 1423464.37 E: 3266004.02	7025.01
27	TOP	N: 1423467.49 E: 3266022.00	7025.00
28	TOP	N: 1423456.01 E: 3266041.64	7025.00
29	TOP	N: 1423440.91 E: 3266047.66	7025.00
30	TOP	N: 1423422.64 E: 3266037.06	7025.00
31	TOP	N: 1423419.40 E: 3266026.51	7024.99
32	SW	N: 1423428.34 E: 3266042.29	7023.86
33	SW	N: 1423433.53 E: 3266045.30	7023.86

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

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 - 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.

show spillway flowpath and easement

Label grading by others?

label contours

extend easement

18" minimum

Show location

Clarify that this is "Sand Filter C"

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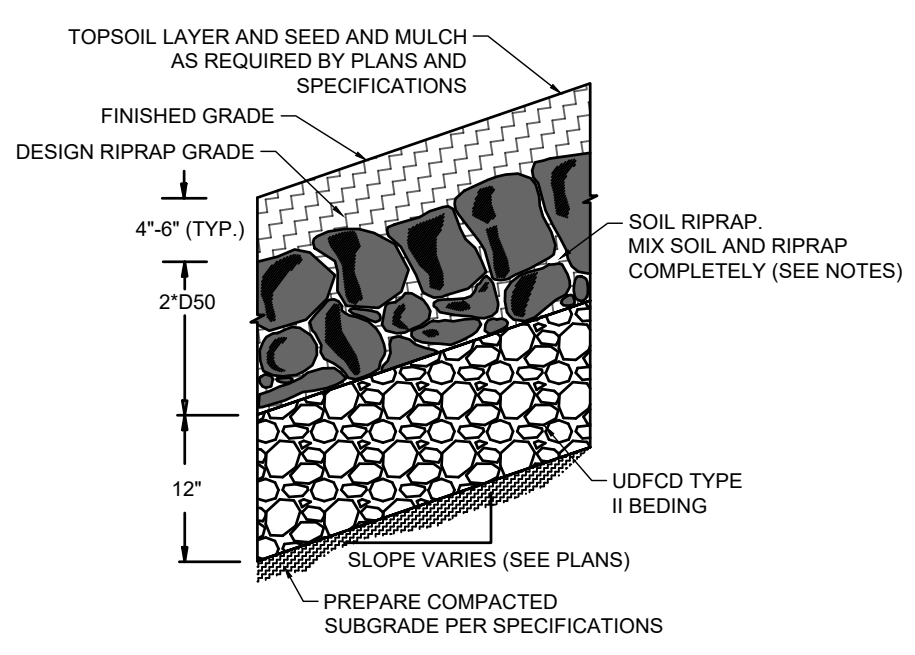
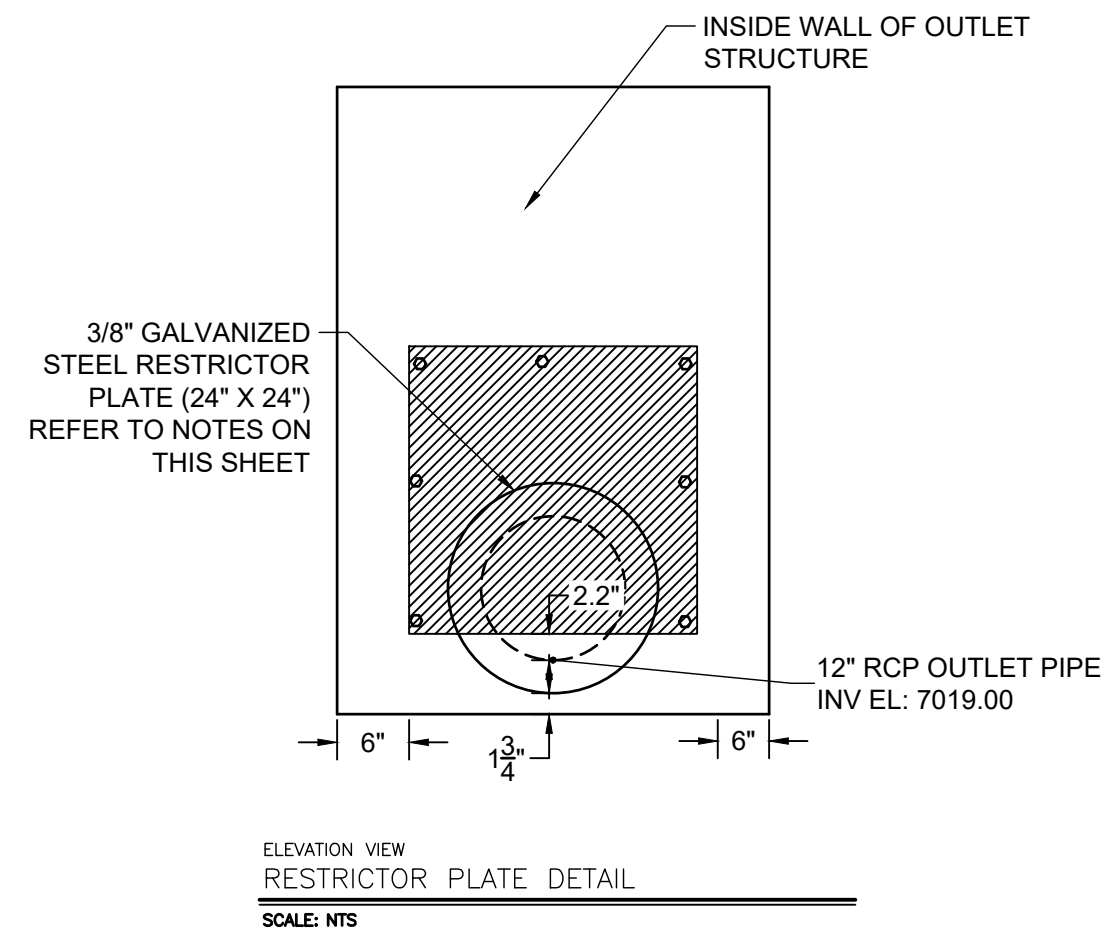
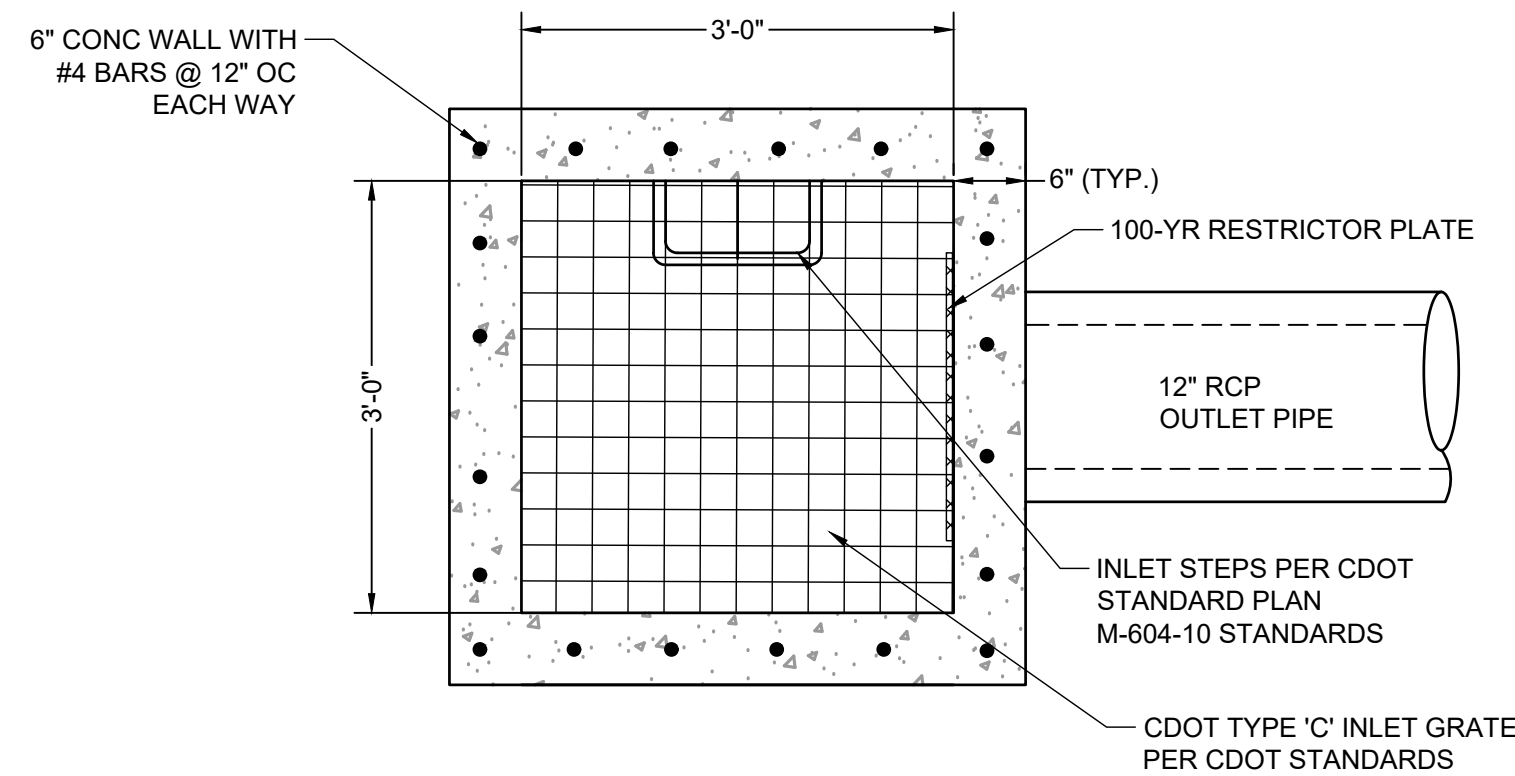
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FROM GRANDVIEW FILING 1 TO REX RD (SEGMENT 2)
 POND PLANS - SAND FILTER



Know what's below.
 Call before you dig.



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

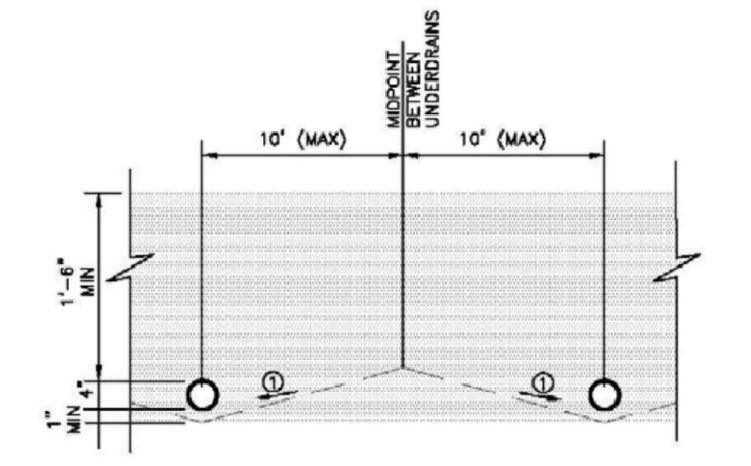
- RESTRICTOR PLATE NOTES:**
- 3/8" THICK RESTRICTOR PLATE, GALVANIZED STEEL.
 - BOLT PLATE TO CONCRETE @ 12" O.C. MAX
 - PROVIDE CONTINUOUS NEOPRENE GASKET MATERIAL BETWEEN PLATE AND CONCRETE
 - CONTRACTOR SHALL SUBMIT SHOP DRAWINGS FOR ALL PLATES AND GRATING FOR ENGINEER'S APPROVAL PRIOR TO CONSTRUCTION.

- 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.

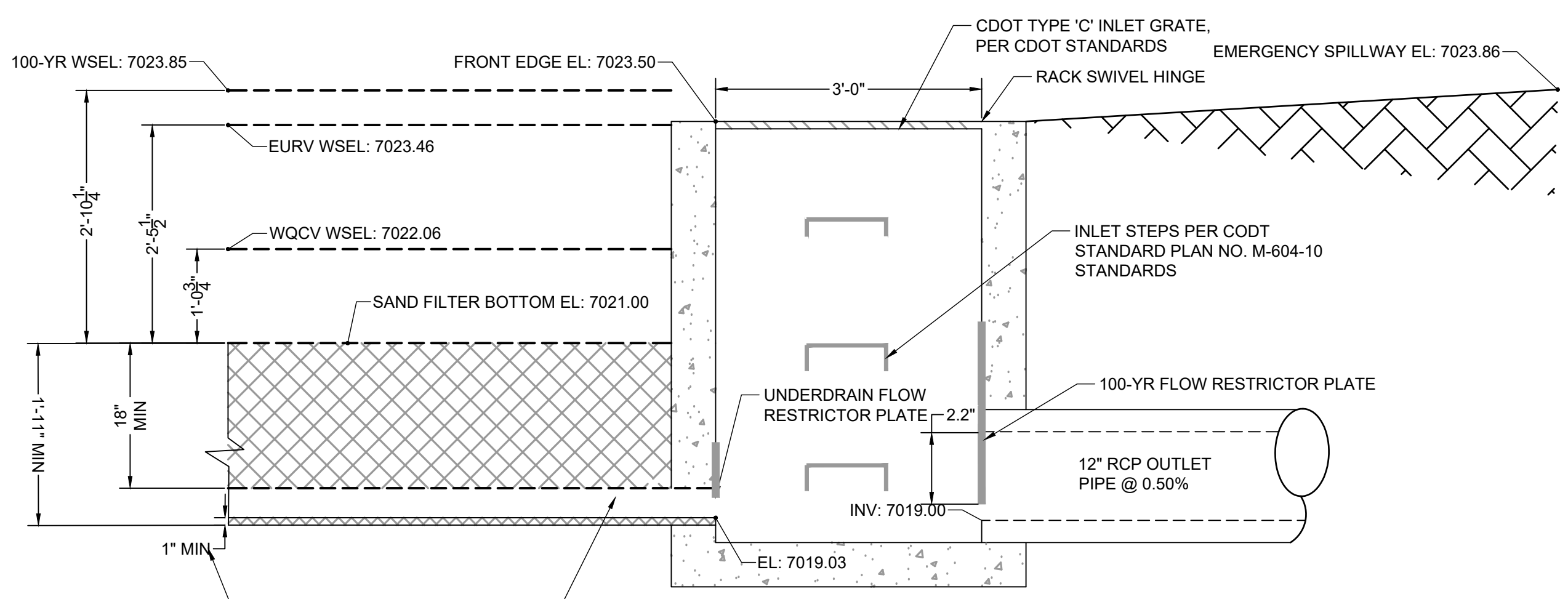
WARNING
THIS AREA IS A STORMWATER FACILITY
AND IS SUBJECT TO PERIODIC FLOODING

POND WARNING SIGN
SCALE: N.T.S.
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



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



4" HDPE ACTIVE UNDERDRAIN @ 0.5% MIN SLOPE MEETING TABLE SF-2

THIS DIMENSION VARIES BASED ON UNDERDRAIN SLOPE. MAINTAIN 1" MINIMUM FILTER MATERIAL BELOW PIPE

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

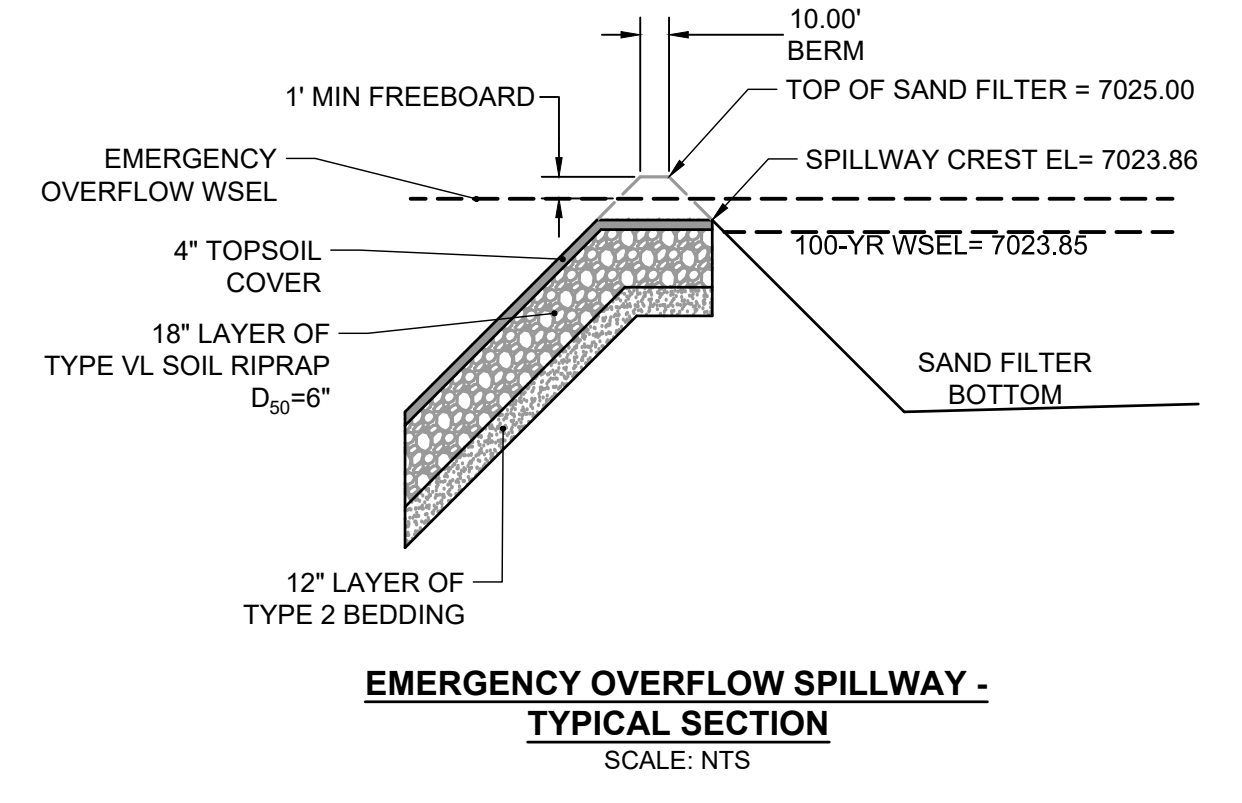
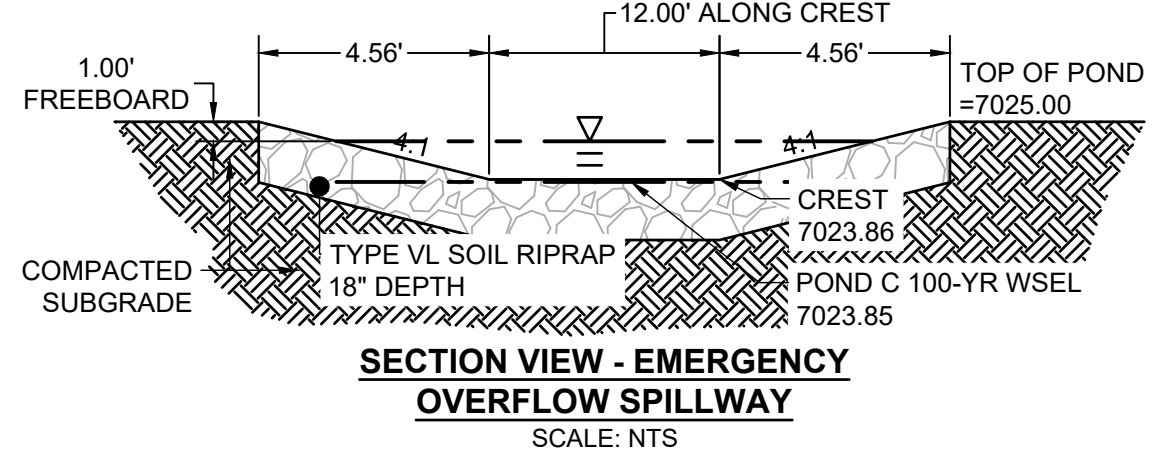
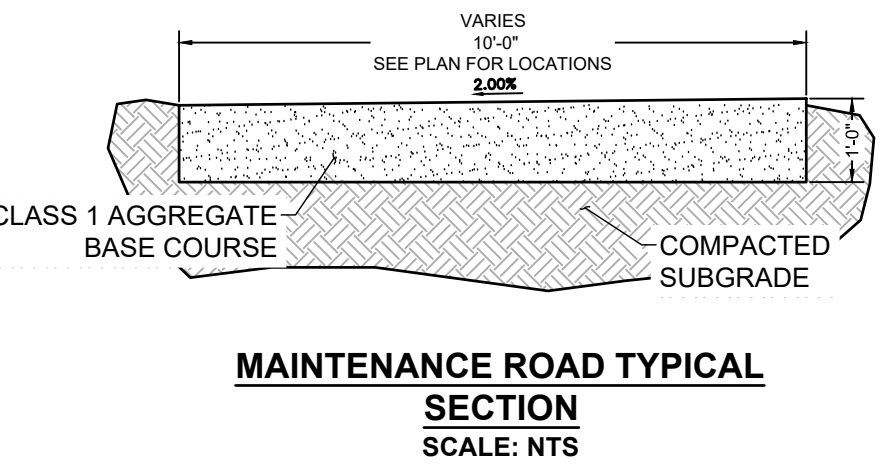


Table SF-2. Dimensions for Slotted Pipe¹

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).



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

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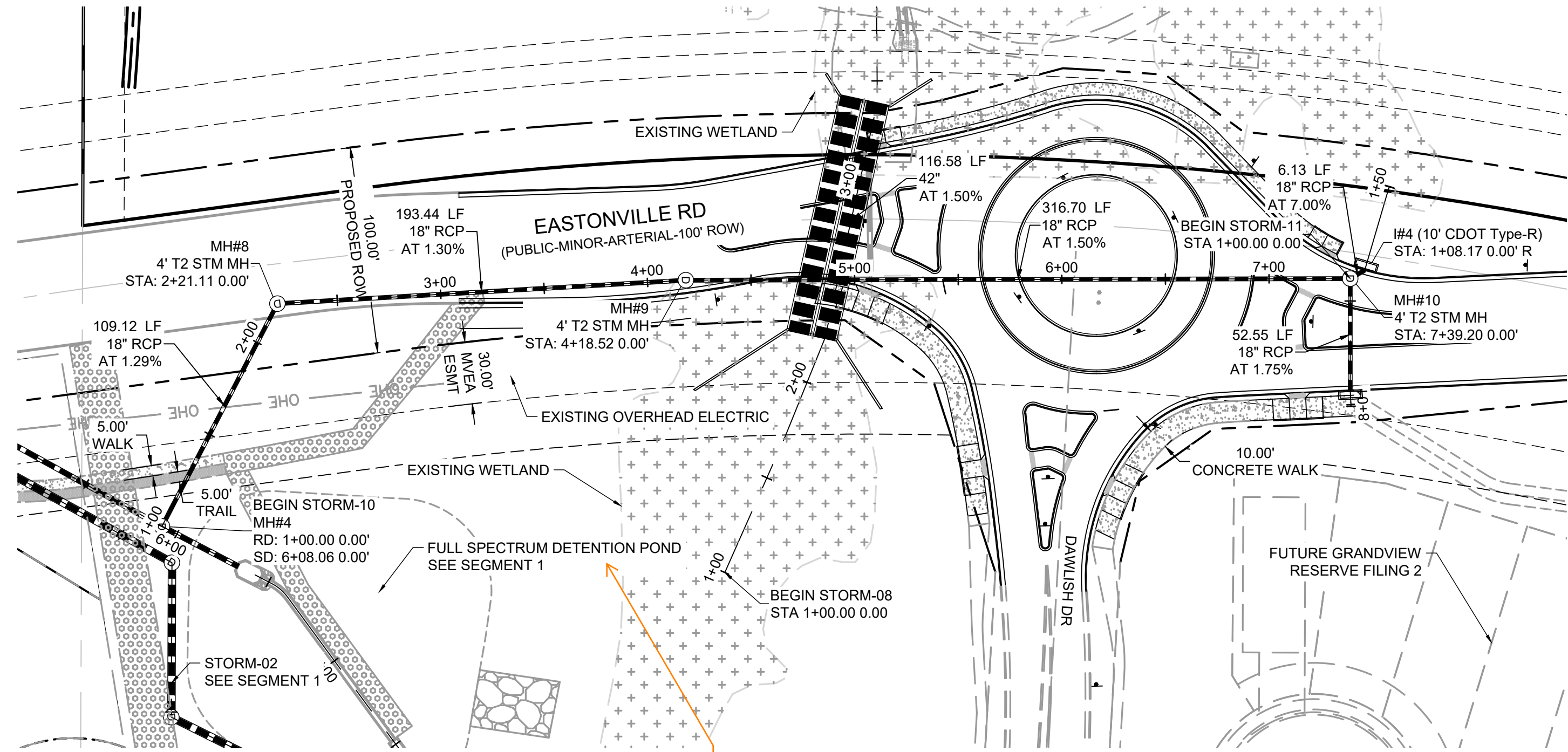
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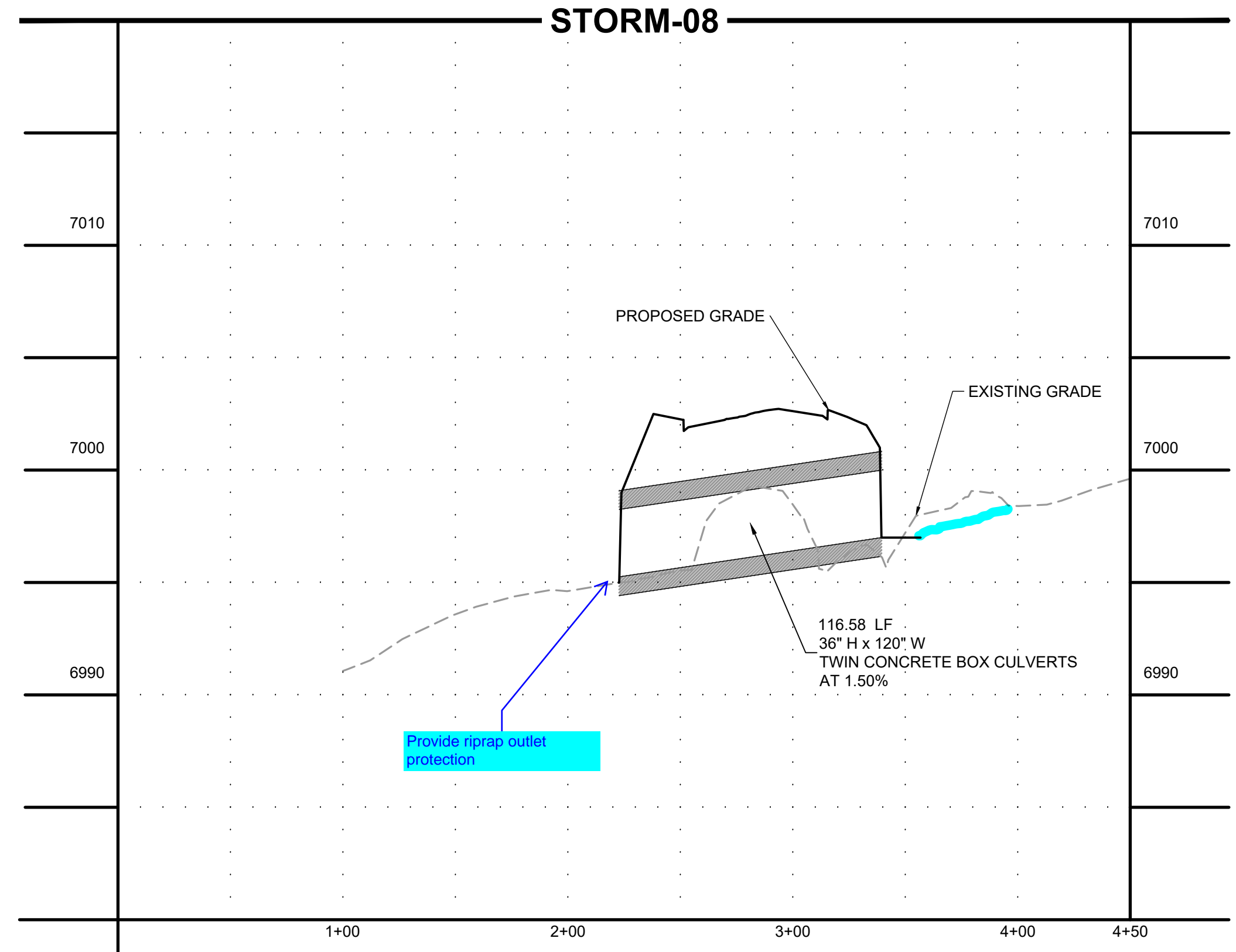
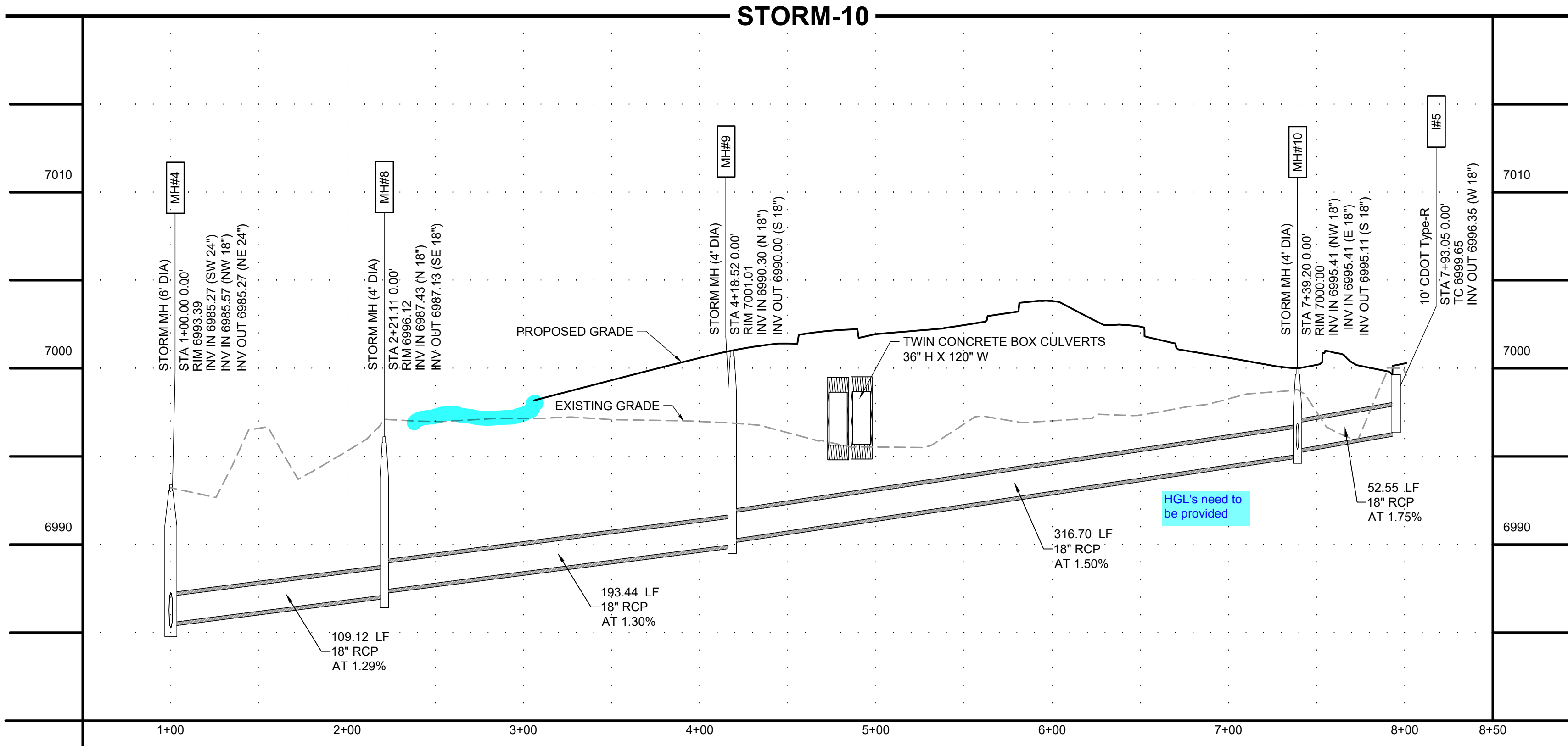
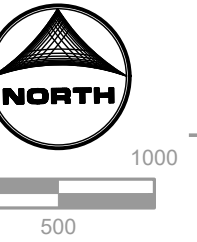
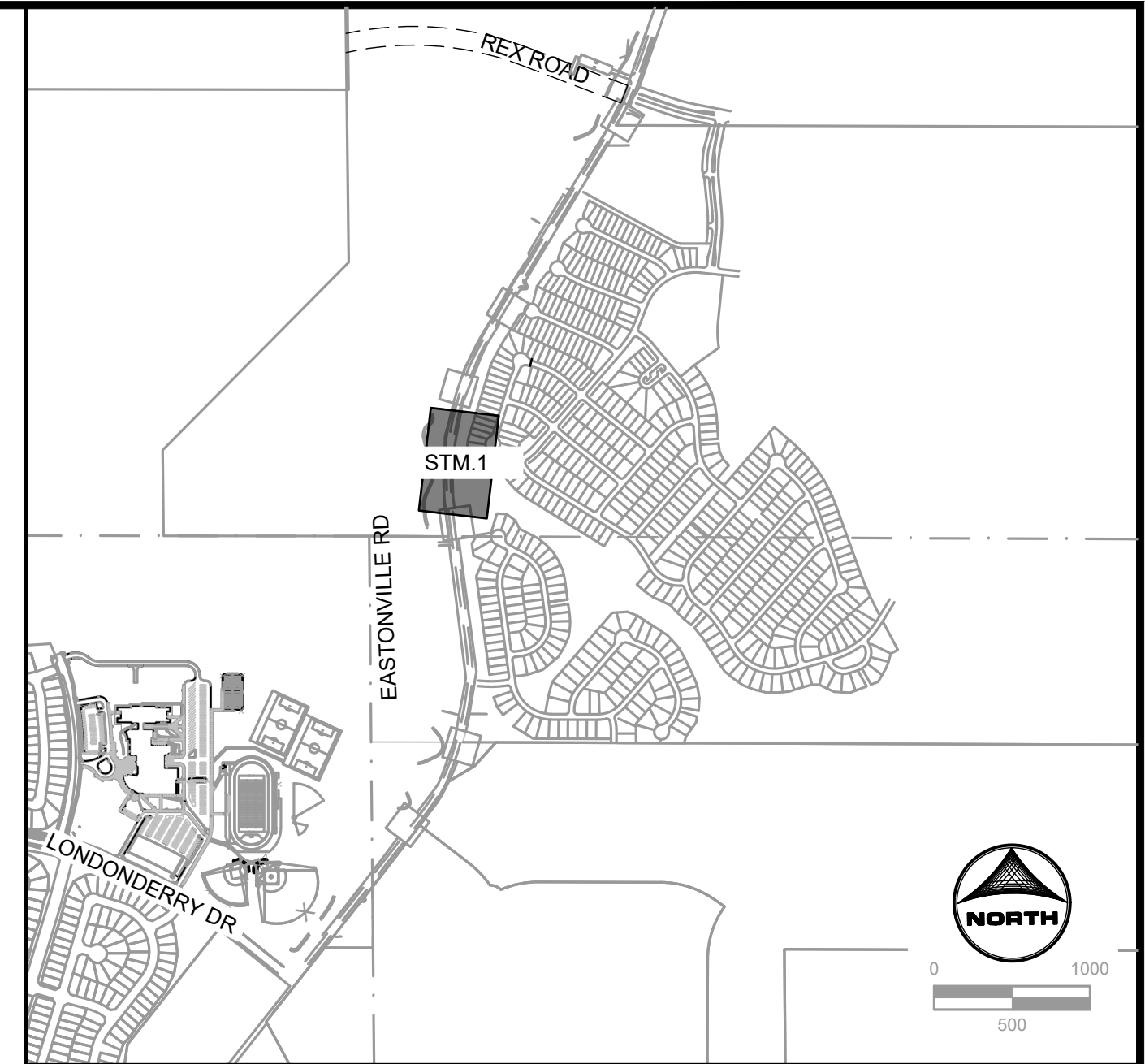
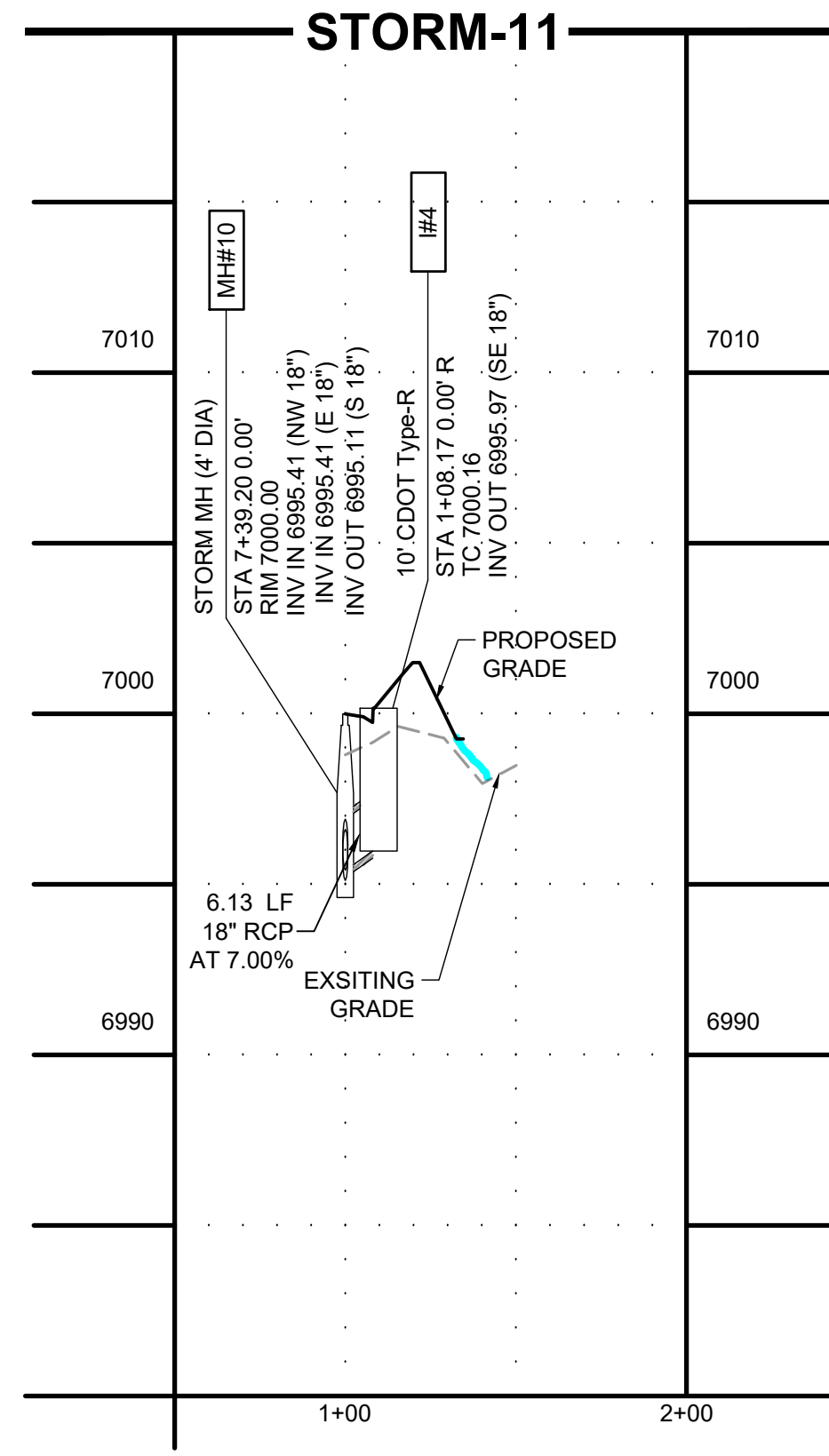
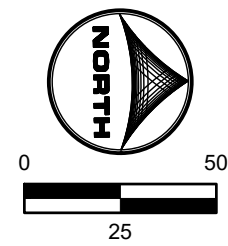
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SHEET
PD.3
50

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



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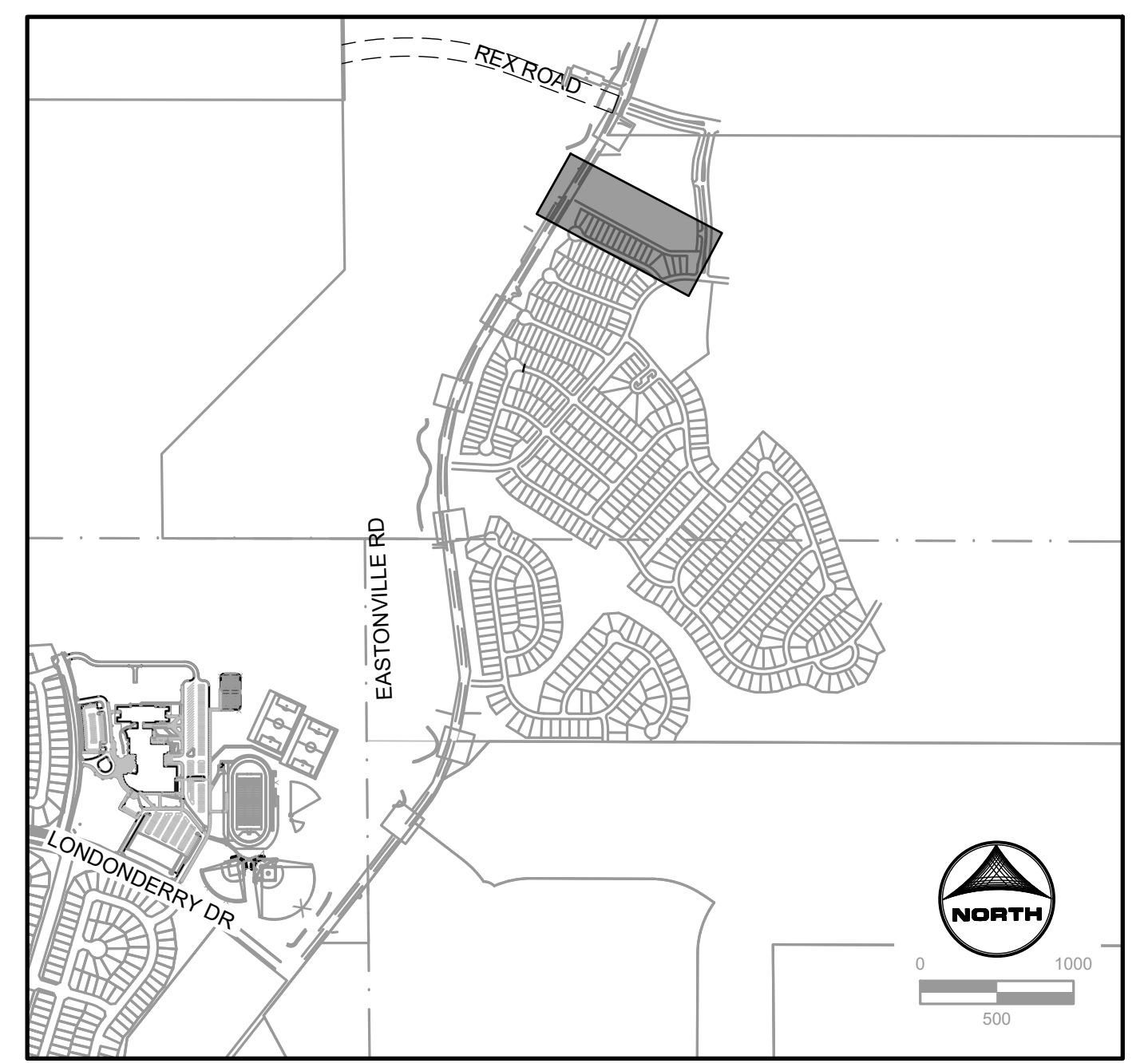
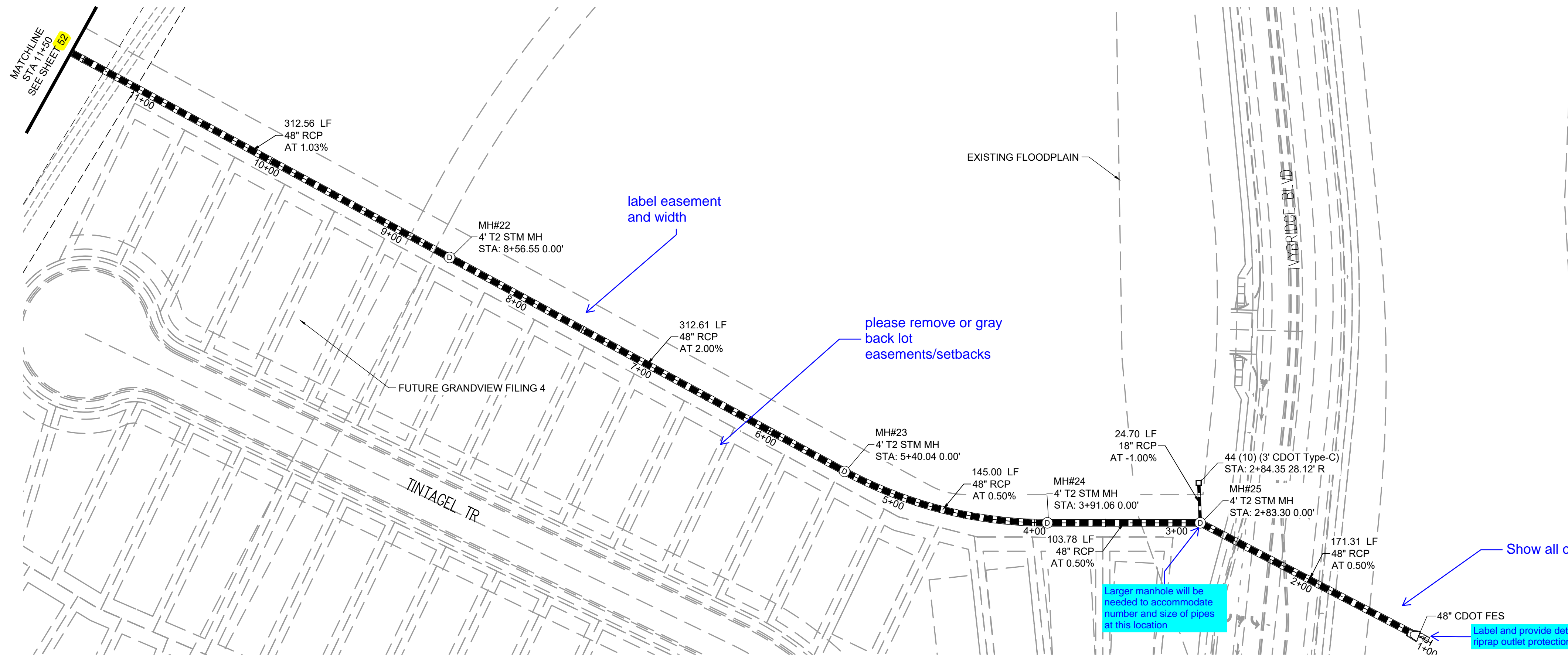
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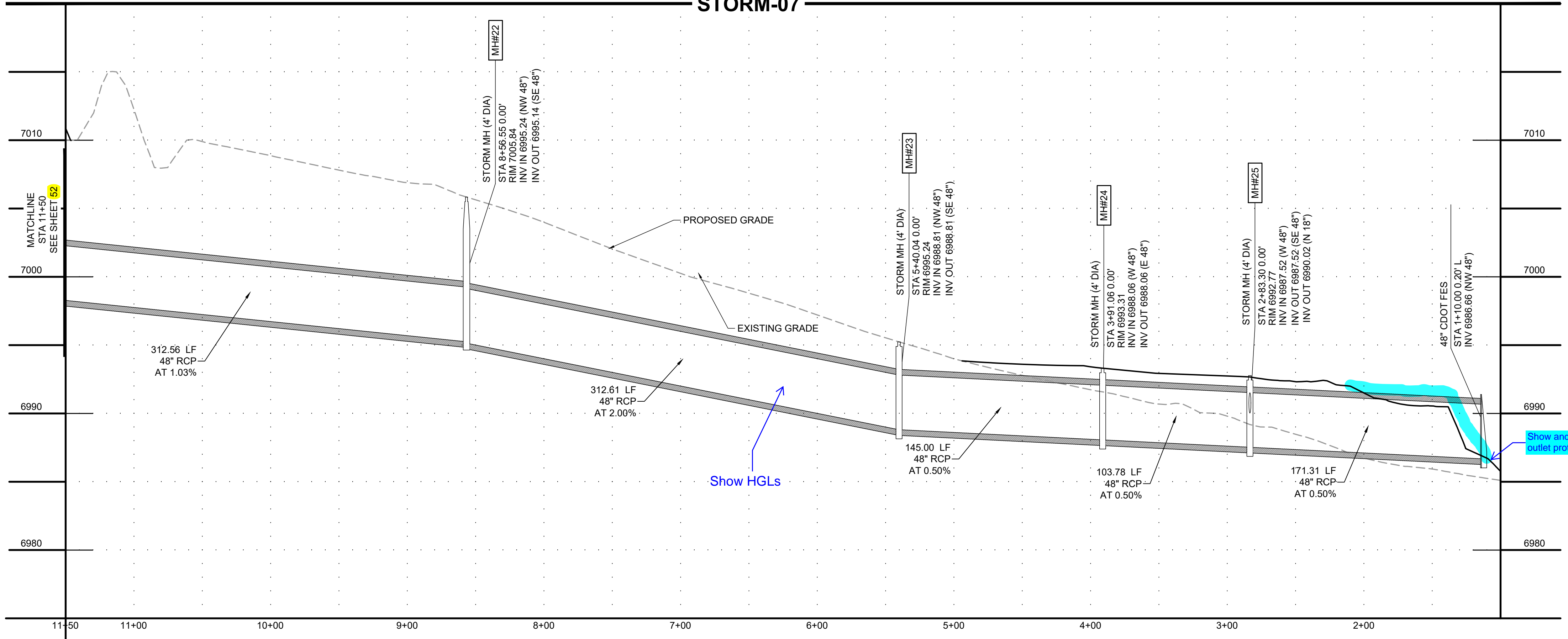
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 STORM PLAN & PROFILE

SHEET
STM.1
51

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STORM-07



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 STORM PLAN & PROFILE

SHEET
STM.2 52

