

# EASTONVILLE ROAD FROM LONDONDERRY DR. TO REX RD. SEGMENT 2 IMPROVEMENTS STATIONING 47+00.00-79+31.62

**LOCATED IN A PORTION OF SECTION 28, TOWNSHIP 12 SOUTH, RANGE 64 WEST OF THE 6TH PRINCIPAL MERIDIAN  
COUNTY OF EL PASO, STATE OF COLORADO  
JANUARY 2025**

### 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.

### OWNER/DEVELOPER

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

### CIVIL ENGINEER

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

### EL PASO COUNTY - ENGINEERING REVIEW

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

### TRAFFIC ENGINEERING

EL PASO COUNTY DEPARTMENT OF PUBLIC WORKS  
3275 AKERS DRIVE  
COLORADO SPRINGS, CO 80922  
TELE: (719) 520-6460  
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, P.E.  
EMAIL: CMONAHAN@HRGREEN.COM

### LANDSCAPE ARCHITECT

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

### SURVEYOR

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

### TRAFFIC ENGINEER

LSC TRANSPORTATION CONSULTANTS, INC.  
545 EAST PIKES PEAK AVENUE, SUITE 210  
COLORADO SPRINGS, CO 80903  
TELE: (719) 633-2669  
CONTACT: JEFF 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 SUITE100  
(719) 499-8416  
CONTACT: PAUL HOWARD  
EMAIL: PAULINFINTY1@MSN.COM

### ELECTRIC

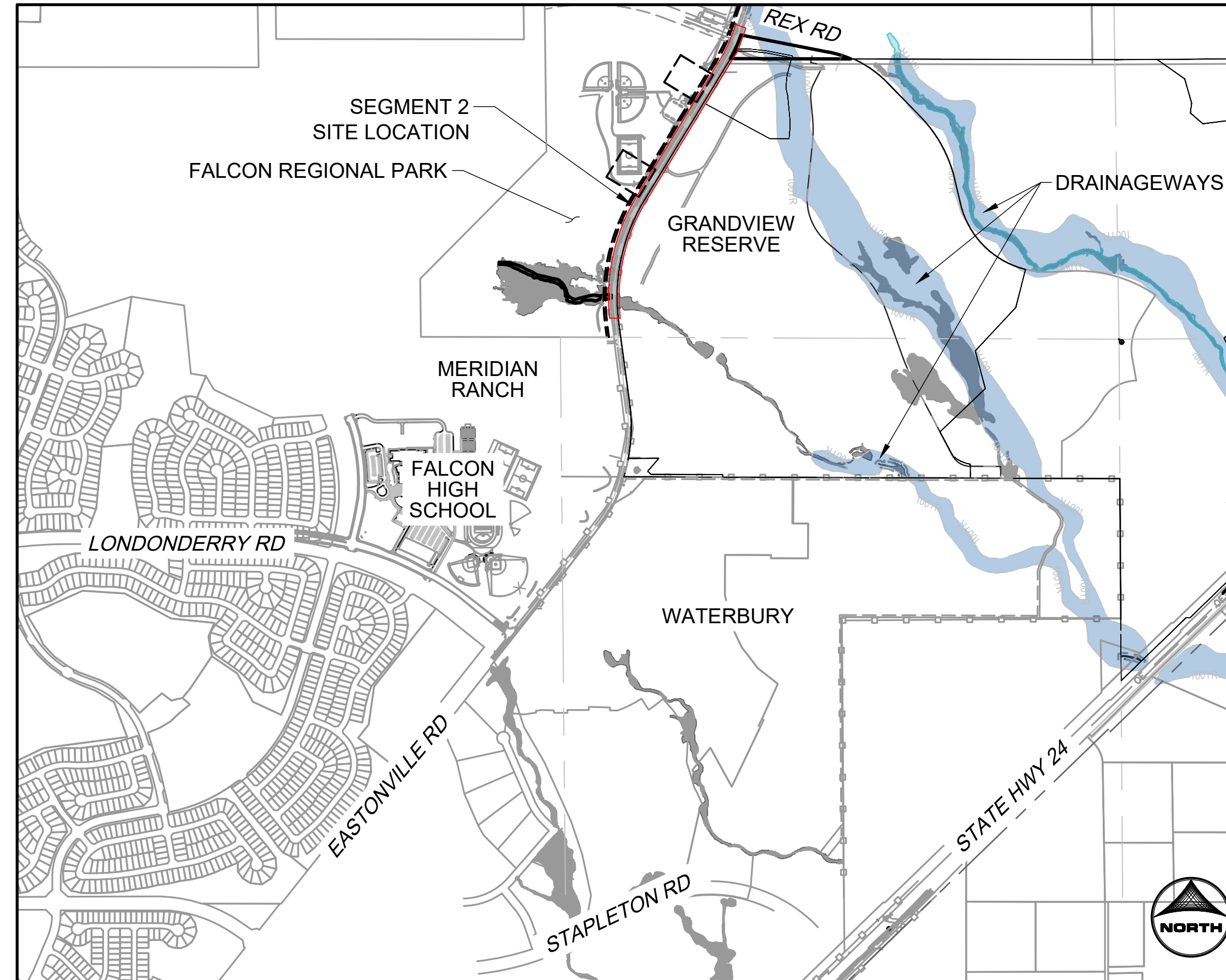
MOUNTAIN VIEW ELECTRIC ASSOCIATION, INC.  
11140 E. WOODMEN RD  
FALCON, CO 80831-8127  
TELE: (719) 495-2283

### 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  
PENTON, CO 80831  
TELE: (719) 495-4050  
EMAIL: FALCONFIRE@FALCONFIREPD.ORG



VICINITY MAP

SCALE 1" = 1000'

### EASTONVILLE RD. OVERALL SHEET INDEX

SEGMENT 1	SHEETS 1 - 42
SEGMENT 2	SHEETS 43- 100

### SHEET INDEX

SHEET NUMBER	SHEET DESCRIPTION	SHEET TITLE
43	CS.1	COVER
44	DT.1	DETAILS
45	GN.1	LEGEND
46	GN.2	TYPICAL ROAD SECTION
47 - 48	ROW.4 - ROW.5	RIGHT-OF-WAY PLANS
49 - 51	DE.1 - DE.3	DEMOLITION PLANS
52 - 54	PP.1 - PP.3	PLAN AND PROFILES
55 - 56	GEC.1 - GEC.2	GRADING AND EROSION CONTROL PLANS
57 - 63	R.1 - R.7	DAWLISH DRIVE GRADING AND STRIPING PLANS
64 - 70	R.8 - R.14	REX ROAD GRADING AND STRIPING PLANS
71 - 72	S.1 - S.2	STRIPING PLANS
73 - 77	PD.1 - PD.5	POND PLANS
78 - 81	STM.1 - STM.4	STORM PLAN AND PROFILES
82 - 85	E.1 - E.4	LIGHTING PLANS
86 - 87	DT.1 - DT.2	DETAILS
88 - 91	WT.01 - WT.04	WATER PLAN AND PROFILES
92 - 98	L.01 - L.07	LANDSCAPE PLANS
99 - 100	ENV.1 - ENV.2	WOTUS IMPACT PLANS

### EL PASO COUNTY

COUNTY PLAN REVIEW IS PROVIDED ONLY FOR GENERAL CONFORMANCE WITH COUNTY DESIGN CRITERIA. THE COUNTY IS NOT RESPONSIBLE FOR THE ACCURACY AND ADEQUACY OF THE DESIGN, DIMENSIONS, AND/OR ELEVATIONS WHICH SHALL BE CONFIRMED AT THE JOB SITE. THE COUNTY THROUGH THE APPROVAL OF THIS DOCUMENT ASSUMES NO RESPONSIBILITY FOR COMPLETENESS AND/OR ACCURACY OF THIS DOCUMENT.

FILED IN ACCORDANCE WITH THE REQUIREMENTS OF THE EL PASO COUNTY LAND DEVELOPMENT CODE, DRAINAGE CRITERIA MANUAL VOLUMES 1 AND 2, AND ENGINEERING CRITERIA MANUAL AS AMENDED.

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

JOSHUA PALMER P.E. \_\_\_\_\_ DATE \_\_\_\_\_  
COUNTY ENGINEER

### OWNER'S STATEMENT

I, THE OWNER/DEVELOPER HAVE READ AND WILL COMPLY WITH THE REQUIREMENTS OF THE GRADING AND EROSION CONTROL PLAN AND ALL OF THE REQUIREMENTS SPECIFIED ON THESE DETAILED PLANS AND SPECIFICATIONS.

OWNER'S SIGNATURE \_\_\_\_\_ DATE \_\_\_\_\_

### ENGINEER'S STATEMENT

THESE DETAILED PLANS AND SPECIFICATIONS WERE PREPARED UNDER MY DIRECTION AND SUPERVISION. SAID PLANS AND SPECIFICATIONS HAVE BEEN PREPARED ACCORDING TO THE CRITERIA ESTABLISHED BY THE COUNTY FOR DETAILED ROADWAY, DRAINAGE, GRADING AND EROSION CONTROL PLANS AND SPECIFICATIONS, AND SAID PLANS AND SPECIFICATIONS ARE IN CONFORMITY WITH APPLICABLE MASTER DRAINAGE PLANS AND MASTER TRANSPORTATION PLANS. SAID PLANS AND SPECIFICATIONS MEET THE PURPOSES FOR WHICH THE PARTICULAR ROADWAY AND DRAINAGE FACILITIES ARE DESIGNED AND ARE CORRECT TO THE BEST OF MY KNOWLEDGE AND BELIEF. I ACCEPT RESPONSIBILITY FOR ANY LIABILITY CAUSED BY ANY NEGLIGENT ACTS, ERRORS OR OMISSIONS ON MY PART IN PREPARING THESE DETAILED PLANS AND SPECIFICATIONS.

COLLEEN P. MONAHAN, COLORADO LICENSED PROFESSIONAL ENGINEER  
 \_\_\_\_\_ DATE \_\_\_\_\_

### DISTRICT APPROVALS

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

FOR AND ON BEHALF OF THE GRANDVIEW RESERVE METROPOLITAN DISTRICT \_\_\_\_\_ DATE \_\_\_\_\_



EDARP FILING NO. CDR2321

DRAWN BY: ACH	JOB DATE: 1/3/2025	BAR IS ONE INCH ON OFFICIAL DRAWINGS: 0
APPROVED: CMM	JOB NUMBER: 201662.08	IF NOT ONE INCH, ADJUST SCALE ACCORDINGLY.
CAD DATE: 1/20/2025		
CAD FILE: J:\2020\201662\CAD\DWGS\CIEastonville_Road_662.08\Segment_2\CID\Road_CDs\Cover_N		

NO.	DATE	BY	REVISION DESCRIPTION



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

**EASTONVILLE ROAD IMPROVEMENTS**  
**DR. HORTON**  
EL PASO COUNTY, COLORADO



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

SHEET  
**CS.1**  
**43**

HR GREEN Xref: xpl-1-df01; general\_construction\_notes; Signing\_n; Stripping\_Notes; Standard\_Elpasso; Signature; Blocker; Agency List; Grading; Plan\_Legend\_2; List\_of\_Abbreviations; EPC\_Parcel; x-row-662; v-dign-662; Roundabout\_Curb\_Details; Bldg; ramp\_detail; EPC\_GEC\_Notes



**GRADING AND EROSION CONTROL NOTES:**

- STORMWATER DISCHARGES FROM CONSTRUCTION SITES SHALL NOT CAUSE OR THREATEN TO CAUSE POLLUTION, CONTAMINATION, OR DEGRADATION OF STATE WATERS. ALL WORK AND EARTH DISTURBANCE SHALL BE DONE IN A MANNER THAT MINIMIZES POLLUTION OF ANY ON-SITE OR OFF-SITE WATERS, INCLUDING WETLANDS.
- 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 CRITERIA MANUAL VOLUME 2. ANY DEVIATIONS FROM REGULATIONS AND STANDARDS MUST BE REQUESTED, AND APPROVED, IN WRITING.
- A SEPARATE STORMWATER MANAGEMENT PLAN (SWMP) FOR THIS PROJECT SHALL BE COMPLETED AND AN EROSION AND STORMWATER QUALITY CONTROL PERMIT (ESQCP) ISSUED PRIOR TO COMMENCING CONSTRUCTION. MANAGEMENT OF THE SWMP DURING CONSTRUCTION IS THE RESPONSIBILITY OF THE DESIGNATED QUALIFIED STORMWATER MANAGER OF CERTIFIED EROSION CONTROL INSPECTOR. THE SWMP SHALL BE LOCATED ON SITE AT ALL TIMES DURING CONSTRUCTION AND SHALL BE KEPT UP TO DATE WITH WORK PROGRESS AND CHANGES IN THE FIELD.
- ONCE THE ESQCP IS APPROVED AND A "NOTICE TO PROCEED" HAS BEEN ISSUED, THE CONTRACTOR MAY INSTALL THE INITIAL STAGE EROSION AND SEDIMENT CONTROL MEASURES AS INDICATED ON THE APPROVED GEC. A PRECONSTRUCTION MEETING BETWEEN THE CONTRACTOR, ENGINEER, AND THE EL PASO COUNTY WILL BE HELD PRIOR TO ANY CONSTRUCTION. IT IS THE RESPONSIBILITY OF THE APPLICANT TO COORDINATE THE MEETING TIME AND PLACE WITH COUNTY STAFF.
- CONTROL MEASURES MUST BE INSTALLED PRIOR TO COMMENCEMENT OF ACTIVITIES THAT COULD CONTRIBUTE POLLUTANTS TO STORMWATER. CONTROL MEASURES FOR ALL SLOPES, CHANNELS, DITCHES, AND DISTURBED LAND AREAS SHALL BE INSTALLED IMMEDIATELY UPON COMPLETION OF THE DISTURBANCE.
- ALL TEMPORARY SEDIMENT AND EROSION CONTROL MEASURES SHALL BE MAINTAINED AND REMAIN IN EFFECTIVE OPERATION CONDITION UNTIL PERMANENT SOIL EROSION CONTROL MEASURES ARE IMPLEMENTED AND FINAL STABILIZATION IS ESTABLISHED. ALL PERSONS ENGAGED IN LAND DISTURBANCE ACTIVITIES SHALL ASSESS THE ADEQUACY OF CONTROL MEASURES AT THE SITE AND IDENTIFY IF CHANGES TO THOSE CONTROL MEASURES ARE NEEDED TO ENSURE THE CONTINUED EFFECTIVE PERFORMANCE OF THE CONTROL MEASURES. ALL CHANGES TO TEMPORARY SEDIMENT AND EROSION CONTROL MEASURES MUST BE INCORPORATED INTO THE STORMWATER MANAGEMENT PLAN.
- TEMPORARY STABILIZATION SHALL BE IMPLEMENTED ON DISTURBED AREAS AND STOCKPILES WHERE GROUND DISTURBING ACTIVITY HAS PERMANENTLY CEASED OR TEMPORARILY CEASED FOR LONGER THAN 14 DAYS.
- FINAL STABILIZATION MUST BE IMPLEMENTED AT ALL APPLICABLE CONSTRUCTION SITES. FINAL STABILIZATION IS ACHIEVED WHEN ALL GROUND DISTURBING ACTIVITIES ARE COMPLETE AND ALL DISTURBED AREAS EITHER HAVE A UNIFORM VEGETATIVE COVER WITH INDIVIDUAL PLANT DENSITY OF 70 PERCENT OF PRE-DISTURBANCE LEVELS ESTABLISHED OR EQUIVALENT PERMANENT ALTERNATIVE STABILIZATION METHOD IS IMPLEMENTED. ALL TEMPORARY SEDIMENT AND EROSION CONTROL MEASURES SHALL BE REMOVED UPON FINAL STABILIZATION AND BEFORE PERMIT CLOSURE.
- ALL PERMANENT STORMWATER FACILITIES SHALL BE INSTALLED AS DESIGNED IN THE APPROVED PLANS. ANY PROPOSED CHANGES THAT EFFECT THE DESIGN OF FUNCTION OF PERMANENT STORMWATER MANAGEMENT STRUCTURES MUST BE APPROVED BY THE ECM ADMINISTRATOR PRIOR TO IMPLEMENTATION.
- EARTH DISTURBANCES SHALL BE CONDUCTED IN SUCH A MANNER AS TO EFFECTIVELY MINIMIZE ACCELERATED SOIL EROSION AND RESULTING SEDIMENTATION. ALL DISTURBANCES SHALL BE DESIGNED, CONSTRUCTED, AND COMPLETED SO THAT THE EXPOSED AREA OF ANY DISTURBED LAND SHALL BE LIMITED TO THE SHORTEST PRACTICAL PERIOD OF TIME. PRE-EXISTING VEGETATION SHALL BE PROTECTED AND MAINTAINED WITHIN 50 HORIZONTAL FEET OF A WATERS OF THE STATE UNLESS SHOWN TO BE INFEASIBLE AND SPECIFICALLY REQUESTED AND APPROVED.
- COMPACTION OF SOIL MUST BE PREVENTED IN AREAS DESIGNATED FOR INFILTRATION CONTROL MEASURES OF WHERE FINAL STABILIZATION WILL BE ACHIEVED BY VEGETATIVE COVER. AREAS DESIGNATED FOR INFILTRATION CONTROL MEASURES SHALL ALSO BE PROTECTED FROM SEDIMENTATION DURING CONSTRUCTION UNTIL FINAL STABILIZATION IS ACHIEVED. IF COMPACTION PREVENTION IS NOT FEASIBLE DUE TO SITE CONSTRAINTS, ALL AREAS DESIGNATED FOR INFILTRATION AND VEGETATION CONTROL MEASURES MUST BE LOOSENEED PRIOR TO INSTALLATION OF THE CONTROL MEASURE(S).
- ANY TEMPORARY OR PERMANENT FACILITY DESIGNED AND CONSTRUCTED FOR THE CONVEYANCE OF STORMWATER AROUND, THROUGH, OR FROM THE EARTH DISTURBANCE AREA SHALL BE A STABILIZED CONVEYANCE DESIGNED TO MINIMIZE EROSION AND THE DISCHARGE OF SEDIMENT OFF SITE.
- CONCRETE WASH WATER SHALL BE CONTAINED AND DISPOSED OF IN ACCORDANCE WITH THE SWMP. NO WASH WATER SHALL BE DISCHARGED TO OR ALLOWED TO ENTER STATE WATERS, INCLUDING ANY SURFACE OR SUBSURFACE STORM DRAINAGE SYSTEM OR FACILITIES. CONCRETE WASHOUTS SHALL NOT BE LOCATED IN AN AREA WHERE SHALLOW GROUNDWATER MAY BE PRESENT, OR WITHIN 50 FEET OF A SURFACE WATER BODY, CREEK OR STREAM.
- DURING DEWATERING OPERATIONS OF UNCONTAMINATED GROUND WATER MAY BE DISCHARGED ON SITE, BUT SHALL NOT LEAVE THE SITE IN THE FORM OF SURFACE RUNOFF UNLESS AN APPROVED STATE DEWATERING PERMIT IS IN PLACE.
- EROSION BLANKET OR OTHER PROTECTIVE COVERING SHALL BE USED ON SLOPES STEEPER THAN 3:1.
- CONTRACTOR SHALL BE RESPONSIBLE FOR THE REMOVAL OF ALL WASTES FROM THE CONSTRUCTION SITE FOR DISPOSAL IN ACCORDANCE WITH LOCAL AND STATE REGULATORY REQUIREMENTS. NO CONSTRUCTION DEBRIS, TREE SLASH, BUILDING MATERIAL WASTES OR UNUSED BUILDING MATERIALS SHALL BE BURIED, DUMPED OR DISCHARGED AT THIS SITE.
- WASTE MATERIALS SHALL NOT BE TEMPORARILY PLACED OR STORED IN THE STREET, ALLEY OR OTHER PUBLIC WAY, UNLESS IN ACCORDANCE WITH AN APPROVED TRAFFIC CONTROL PLAN. CONTROL MEASURES MAY BE REQUESTED BY EL PASO COUNTY ENGINEERING IF DEEMED NECESSARY, ON SPECIFIC CONDITIONS AND CIRCUMSTANCES.

- TRACKING OF SOILS AND CONSTRUCTION DEBRIS OFF-SITE SHALL BE MINIMIZED. MATERIALS TRACKED OFF-SITE SHALL BE CLEANED UP PROPERLY AND PROPERLY DISPOSED OF IMMEDIATELY.
- THE OWNER/DEVELOPER SHALL BE RESPONSIBLE FOR THE REMOVAL OF ALL CONSTRUCTION DEBRIS, DIRT, TRASH, ROCK, SEDIMENT, SOIL AND SAND THAT MAY ACCUMULATE IN ROADS, STORM DRAINS AND OTHER DRAINAGE CONVEYANCE SYSTEMS AND STORMWATER APPURTENANCES AS A RESULT OF THE SITE DEVELOPMENT.
- THE QUANTITY OF MATERIALS STORED ON THE PROJECT SITE SHALL BE LIMITED, AS MUCH AS PRACTICAL, TO THAT QUANTITY REQUIRED TO PERFORM THE WORK IN AN ORDERLY SEQUENCE. ALL MATERIALS STORED ON-SITE SHALL BE STORED IN AN EAT, ORDERLY MANNER, IN THEIR ORIGINAL CONTAINERS, WITH ORIGINAL MANUFACTURER'S LABEL.
- NO CHEMICAL(S) HAVING THE POTENTIAL TO BE RELEASED IN STORMWATER ARE TO BE STORED OR USED ONSITE UNLESS PERMISSION FOR THE USE OF SUCH CHEMICAL(S) IS GRANTED IN WRITING BY THE ECM ADMINISTRATOR. IN GRANTING APPROVAL FOR THE USE OF SUCH CHEMICAL(S) SPECIAL CONDITIONS AND MONITORING MAY BE REQUIRED.
- BULK STORAGE OF ALLOWED PETROLEUM PRODUCTS OR OTHER ALLOWED LIQUID CHEMICALS IN EXCESS OF 55 GALLONS SHALL REQUIRED ADEQUATE SECONDARY PROTECTION TO CONTAIN AL SPILLS ONSITE AND TO PREVENT ANY SPILLED MATERIALS FROM ENTERING STATE WATERS, ANY SURFACE OR SUBSURFACE STORM DRAINAGE SYSTEM OR OTHER FACILITIES.
- NO PERSON SHALL CAUSE THE IMPEDIMENT OF STORMWATER FLOW IN THE CURB AND GUTTER OR DITCH EXCEPT WITH APPROVED SEDIMENT CONTROL MEASURES.
- OWNER/DEVELOPER AND THEIR AGENTS SHALL COMPLY WITH THE "COLORADO WATER QUALITY CONTROL ACT" (TITLE 25, ARTICLE 8, CRS) AND THE "CLEAN WATER ACT" (33 USC 1344), IN ADDITION TO THE REQUIREMENTS OF THE LAND DEVELOPMENT CODE, DCM VOLUME II AND ECM APPENDIX I. ALL APPROPRIATE PERMITS MUST BE OBTAINED BY THE CONTRACTOR PRIOR TO CONSTRUCTION (401, NPDES, FLOODPLAIN, 404, FUGITIVE DUST, ETC). IN THE EVENT OF CONFLICT BETWEEN THESE REQUIREMENTS AND OTHER LAWS RULES OR REGULATIONS OF OTHER FEDERAL, STATE, LOCAL OR COUNTY AGENCIES, THE MOST RESTRICTIVE LAWS, RULES OR REGULATIONS SHALL APPLY.
- ALL CONSTRUCTION TRAFFIC MUST ENTER/EXIT THE SITE ONLY AT APPROVED CONSTRUCTION ACCESS POINTS.
- PRIOR TO CONSTRUCTION THE PERMITEE SHALL VERIFY THE LOCATION OF EXISTING UTILITIES.
- A WATER SOURCE SHALL BE AVAILABLE ON SITE DURING EARTHWORK OPERATIONS AND SHALL BE UTILIZED AS REQUIRED TO MINIMIZE DUST FROM EARTHWORK EQUIPMENT AND WIND.
- THE SOILS REPORT FOR THE SITE HAS BEEN PREPARED BY ENTECH ENGINEERING, INC. AND SHALL BE CONSIDERED A PART OF THESE PLANS.
- AT LEAST (10) DAYS PRIOR TO THE ANTICIPATED START OF CONSTRUCTION, FOR PROJECTS THAT WILL DISTURB ONE (1) ACRE OR MORE, THE OWNER OR OPERATOR OF CONSTRUCTION ACTIVITY SHALL SUBMIT A PERMIT APPLICATION FOR STORMWATER DISCHARGE TO THE COLORADO DEPARTMENT OF PUBLIC HEALTH AND ENVIRONMENT, WATER QUALITY DIVISION. THE APPLICATION CONTAINS CERTIFICATION OF COMPLETION OF A STORMWATER MANAGEMENT PLAN (SWMP), OF WHICH THIS GRADING AND EROSION CONTROL PLAN MAY BE A PART. FOR INFORMATION OR APPLICATION MATERIALS CONTACT:
- COLORADO DEPARTMENT OF PUBLIC HEALTH AND ENVIRONMENT
- WATER QUALITY CONTROL DIVISION
- WGCD - PERMITS
- 4300 CHERR CREEK DRIVE SOUTH
- DENVER, CO 80246-1530
- ATTN: PERMITS UNIT

NOTED: THE OWNER/DEVELOPER SHALL OBTAIN WRITTEN PERMISSION AND EASEMENTS, WHERE REQUIRED, FROM ADJOINING PROPERTY OWNER(S) PRIOR TO ANY OFF-SITE DISTURBANCE, GRADING, OR CONSTRUCTION.

**GENERAL 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 ENGINEERING DIVISION PRIOR TO CONSTRUCTION.

**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 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 EPC ENGINEERING. CONTRACTOR SHALL NOTIFY THE DESIGN ENGINEER IMMEDIATELY UPON DISCOVERY OF ANY ERRORS OR INCONSISTENCIES.
- ALL STORM DRAIN PIPE SHALL BE CLASS III ROP UNLESS OTHERWISE NOTED AND APPROVED BY EL PASO COUNTY.
- CONTRACTOR SHALL COORDINATE GEOTECHNICAL TESTING PER ECM STANDARDS. PAVEMENT DESIGN SHALL BE APPROVED BY EL PASO COUNTY 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 AND MUTCD CRITERIA.
- CONTRACTOR SHALL OBTAIN ANY PERMITS REQUIRED BY EL PASO COUNTY, 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.

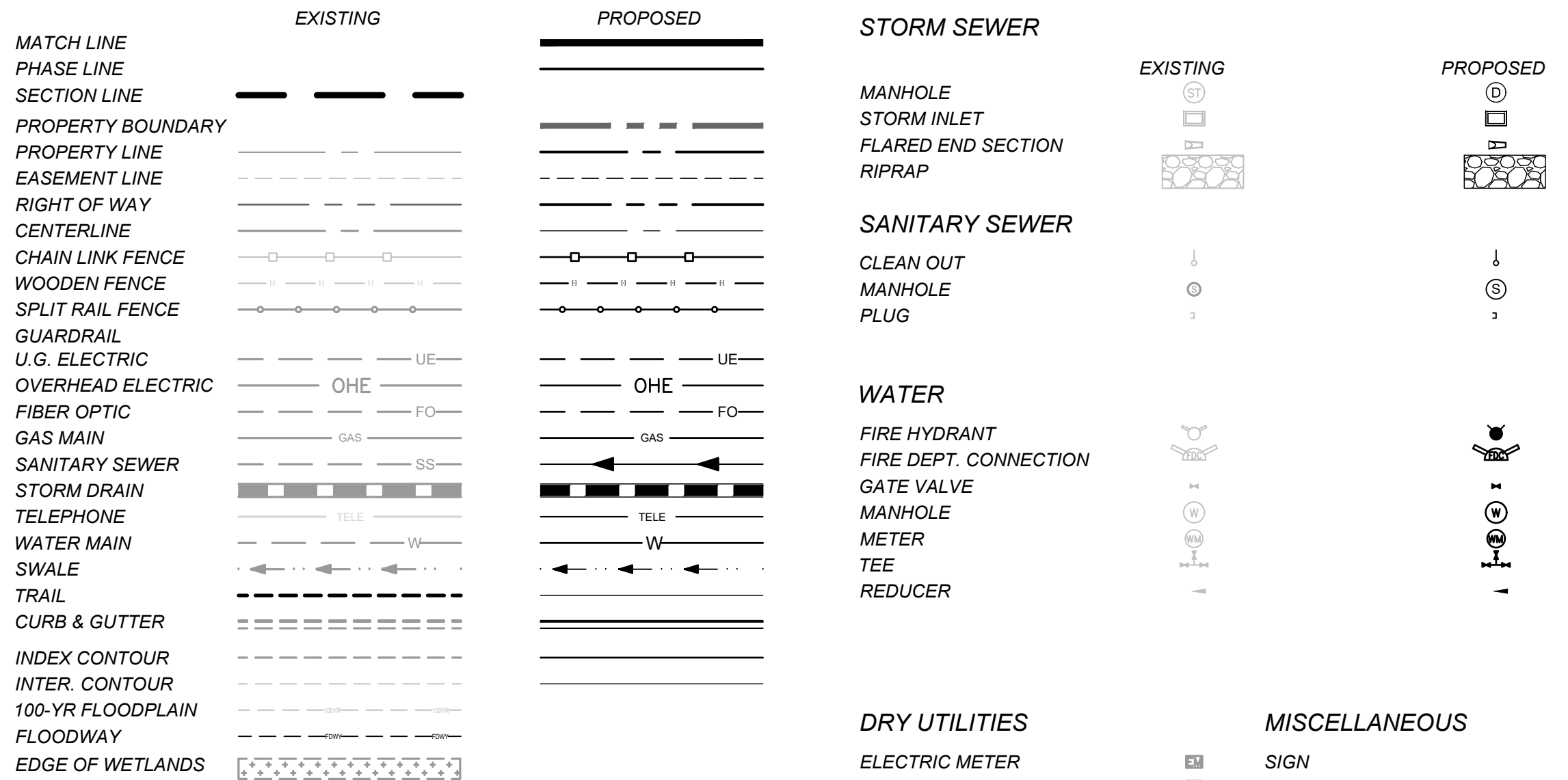
**LIST OF ABBREVIATIONS**

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  
 WI - 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

**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 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. MULT-LANE ROADWAYS WITH SPEED LIMITS OF 35 MPH OR HIGHER SHALL HAVE 8" UPPER-LOWER CASE LETTERING ON 12" BLANK WITH A WHITE BORDER THAT IS NOT RECESSED. THE WIDTH OF THE NON-RECESSED WHITE BORDERS SHALL MATCH PAGE 255 OF THE 2012 MUTCD "STANDARD HIGHWAY SIGNS". SIGNAL POLE MOUNTED AND OVERHEAD STREET NAME SIGNS SHALL BE PER MUTCD SIZE STANDARDS.
- 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. STOP BARS SHALL BE 24" IN WIDTH. CROSSWALKS LINES SHALL BE 24" WIDE AND A MINIMUM OF 9' LONG.
- WORD AND SYMBOL MARKINGS SHALL BE THE NARROW TYPE.
- 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 (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 DEPARTMENT OF PUBLIC WORKS (DPW) PRIOR TO ANY SIGNAGE OR STRIPING WORK WITHIN AN EXISTING EL PASO COUNTY ROADWAY.

**LEGEND**



**STORM SEWER**

- MANHOLE
- STORM INLET
- FLARED END SECTION
- RIPRAP

**SANITARY SEWER**

- CLEAN OUT
- MANHOLE
- PLUG

**WATER**

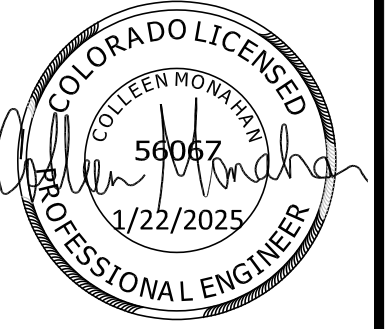
- FIRE HYDRANT
- FIRE DEPT. CONNECTION
- GATE VALVE
- MANHOLE
- METER
- TEE
- REDUCER

**DRY UTILITIES**

- ELECTRIC METER
- ELECTRIC PEDESTAL
- ELECTRICAL CABINET
- ELECTRIC VAULT
- FIBER OPTIC PULL BOX
- FIBER OPTIC MANHOLE
- FIBER OPTIC PEDESTAL
- FIBER OPTIC SIGN
- FIBER OPTIC VAULT
- GAS METER
- GAS SIGN
- GAS VAULT
- TELEPHONE CABINET
- TELEPHONE MANHOLE
- TELEPHONE SIGNAL/MAST
- TELEPHONE SIGN
- TELEPHONE PEDESTAL
- TRANSFORMER
- LIGHT POLE
- FIBER OPTIC VAULT

**MISCELLANEOUS**

- SIGN
- BOLLARD
- ACCESSIBLE PARKING
- MONUMENT



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

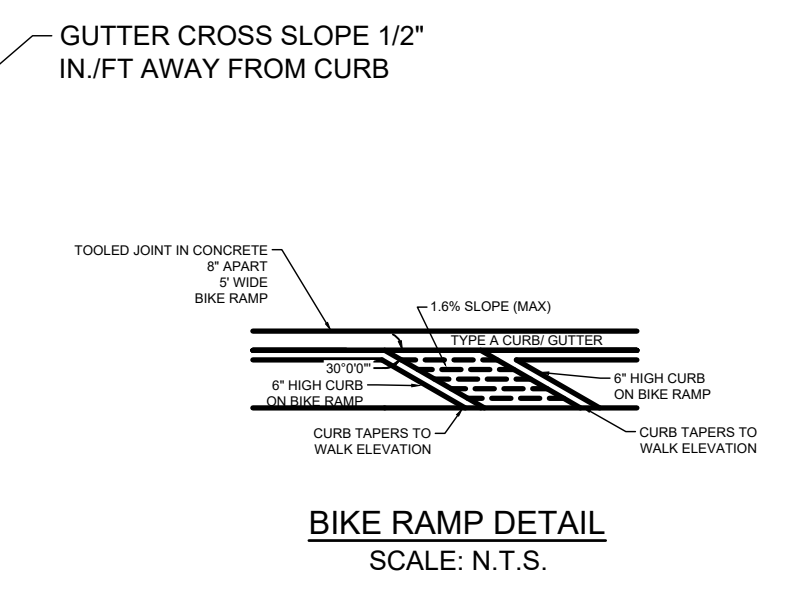
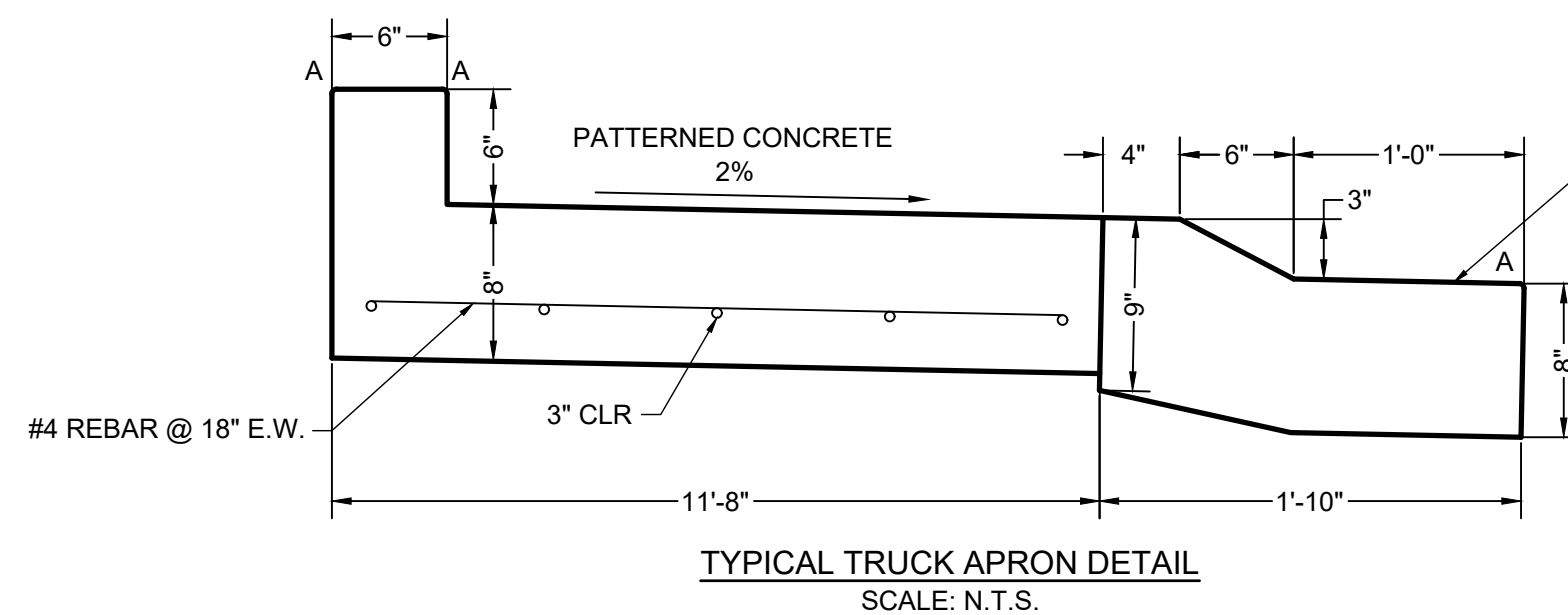
**EASTONVILLE ROAD IMPROVEMENTS**  
**DR. HORTON**  
 EL PASO COUNTY, COLORADO

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

SHEET  
**DT.1**  
**44**

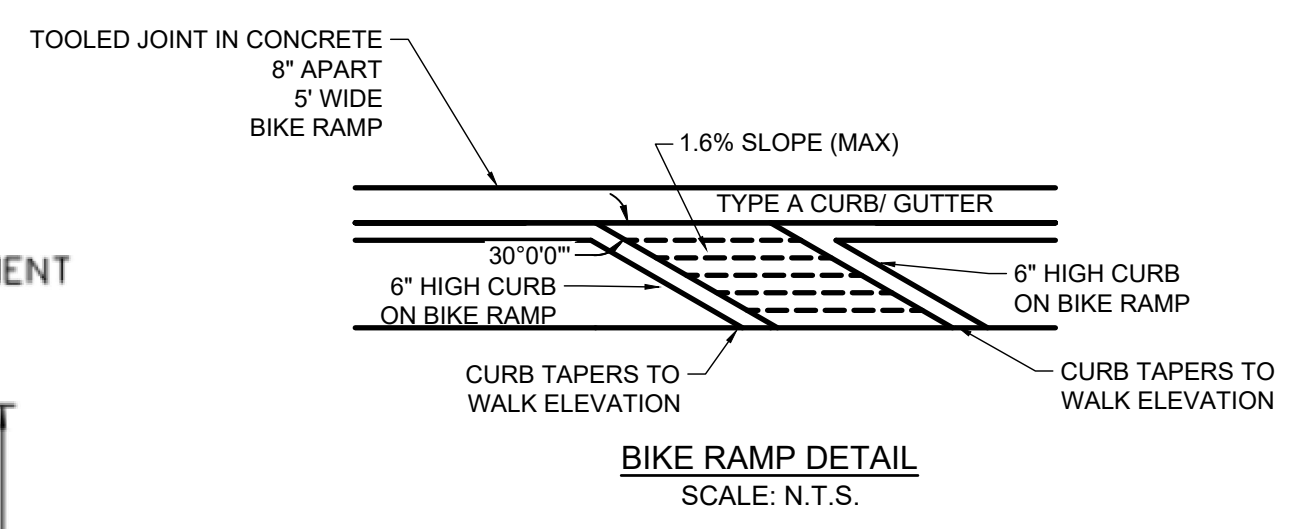
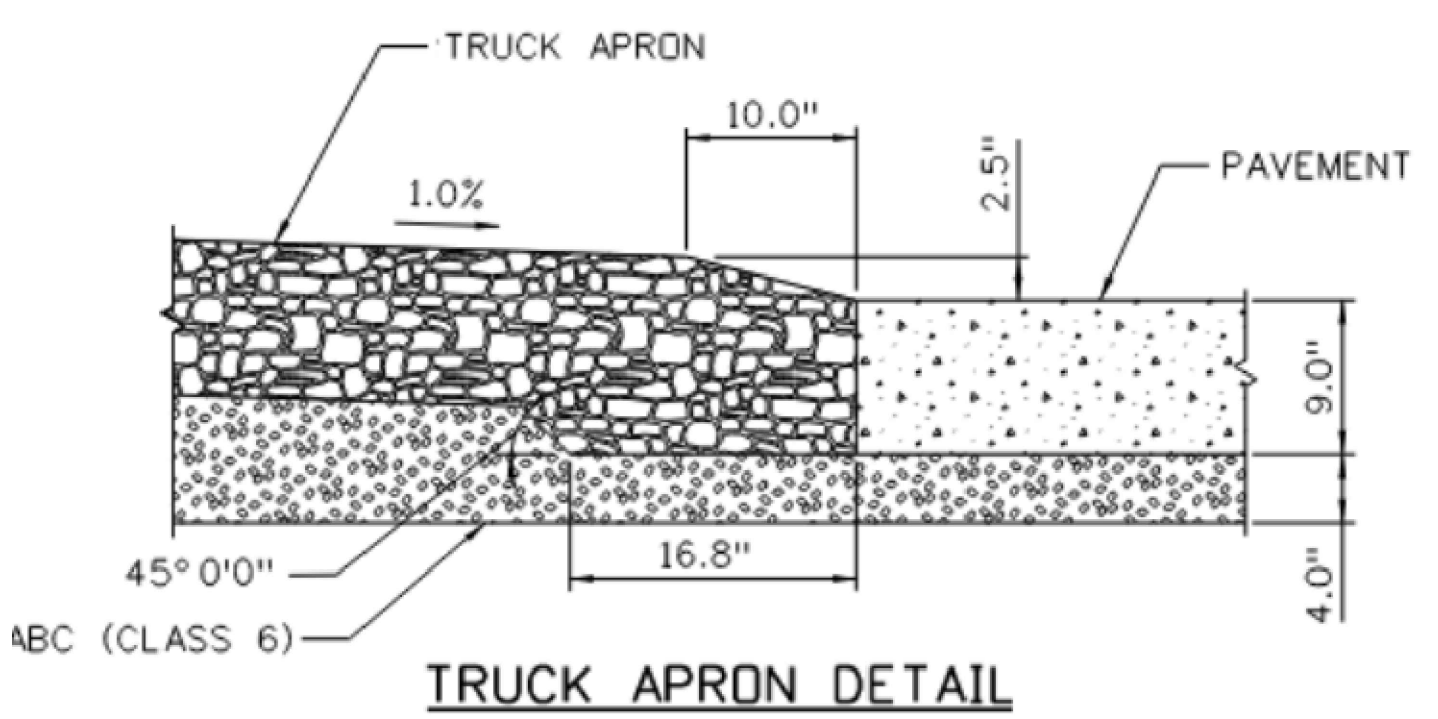
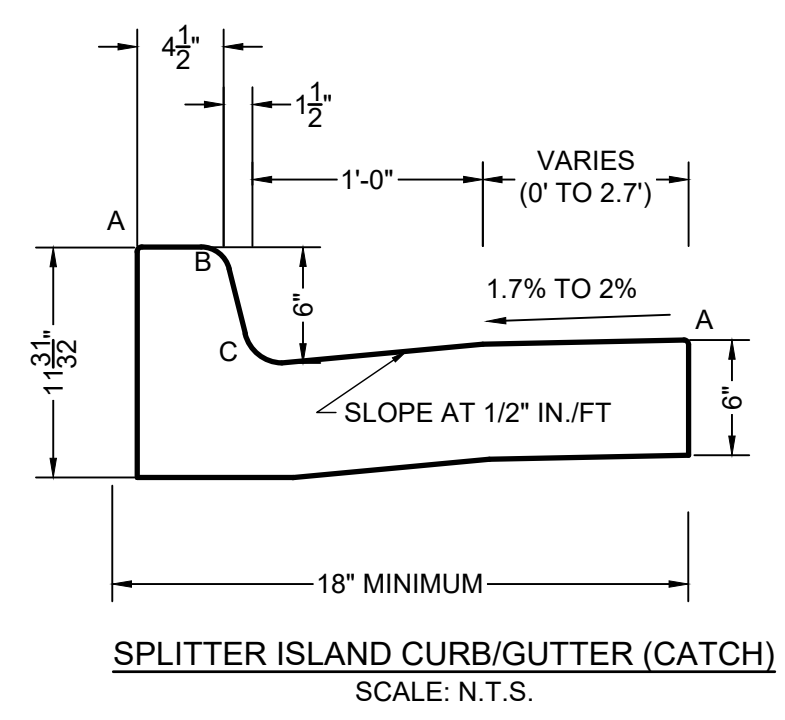
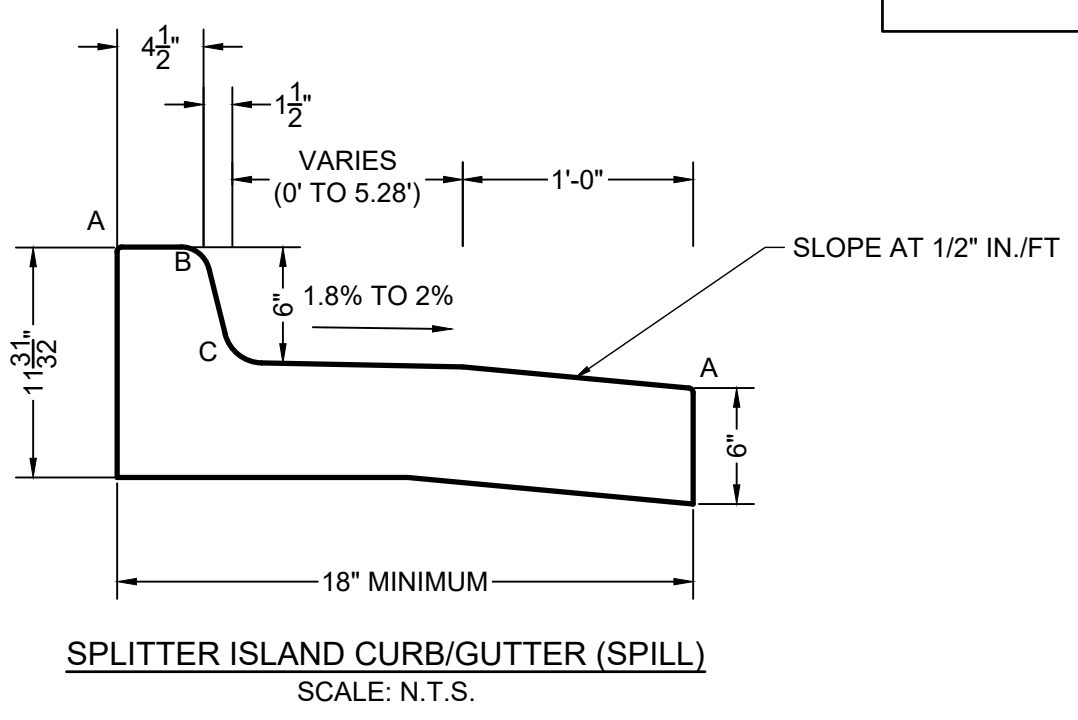
HR GREEN Xref: xpl-1-df01; general\_construction\_notes; Signing\_n\_Striping\_Notes; Standard\_Elpasso\_Notes; Signature\_Blocks; Agency\_List; Grading\_Plan\_Legend\_2; List\_of\_Abbreviations; EPC\_Parcel; x-row-662; x-dsign\_662; Roundabout\_Curb\_Detail; Bldg\_Detail; EPC\_GEC\_Notes



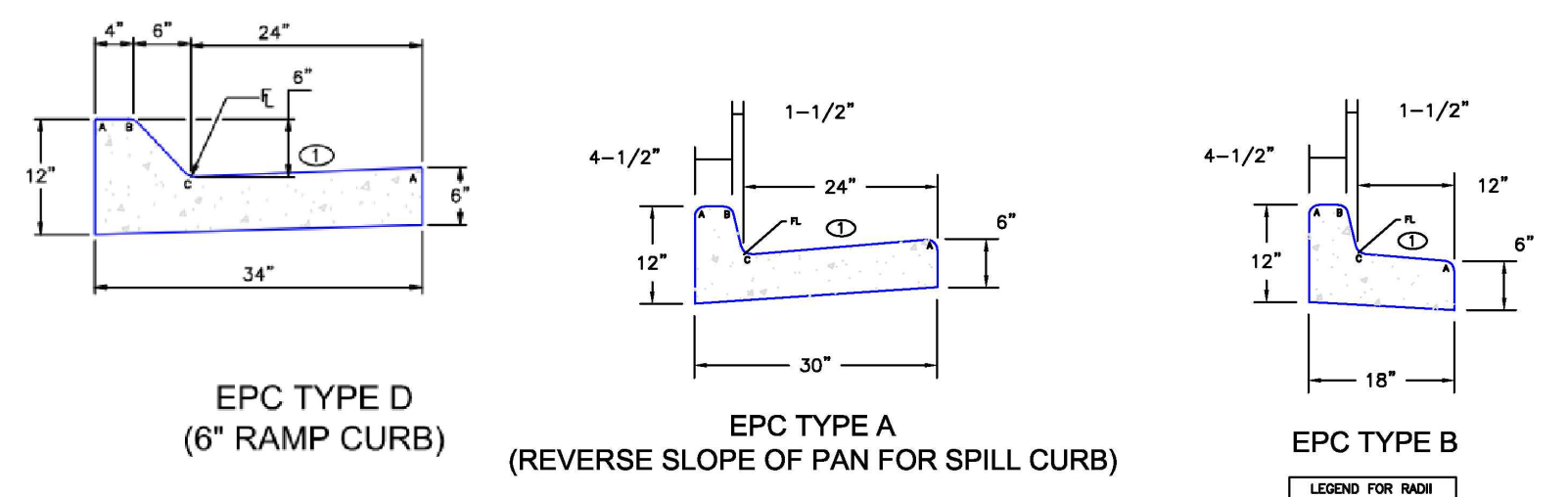
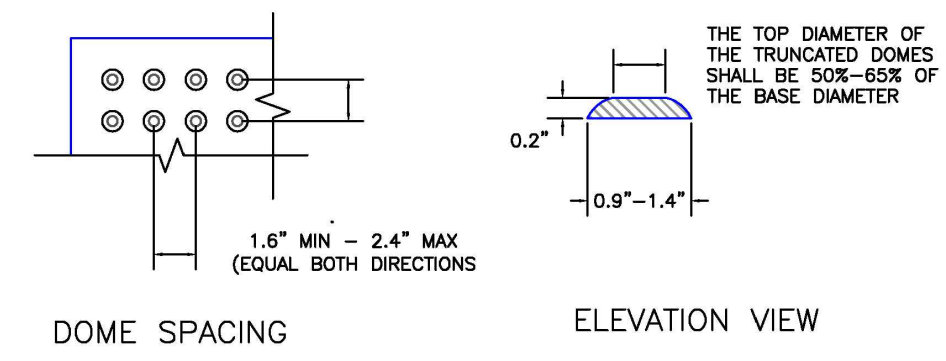


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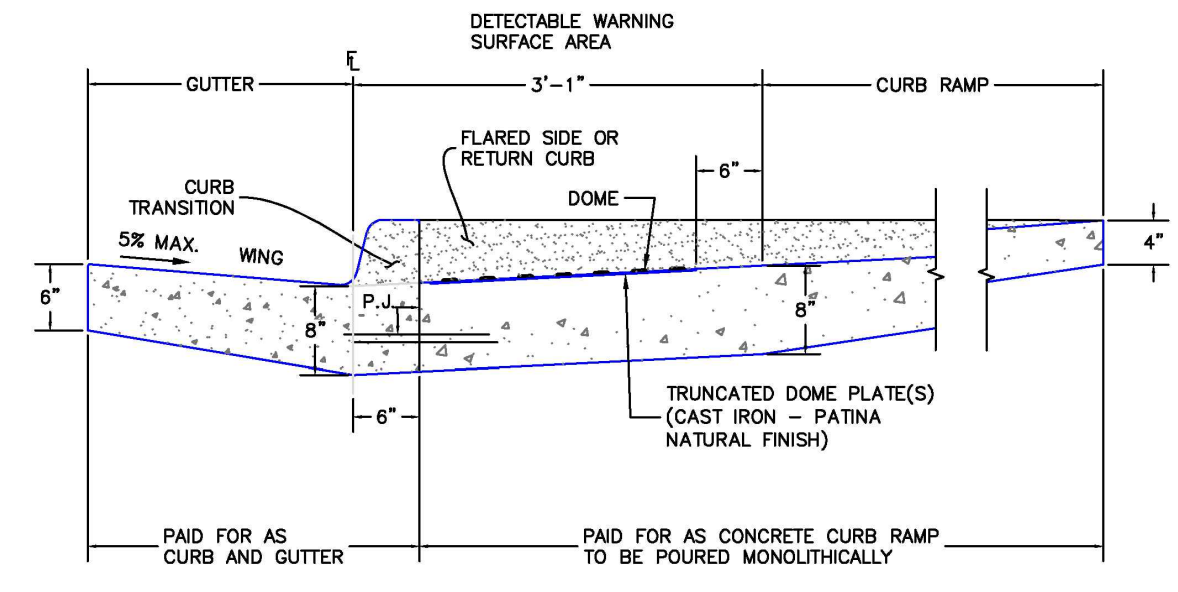
A	1/8" TO 1/4"
B	1-1/2"
C	1-1/2" TO 2"



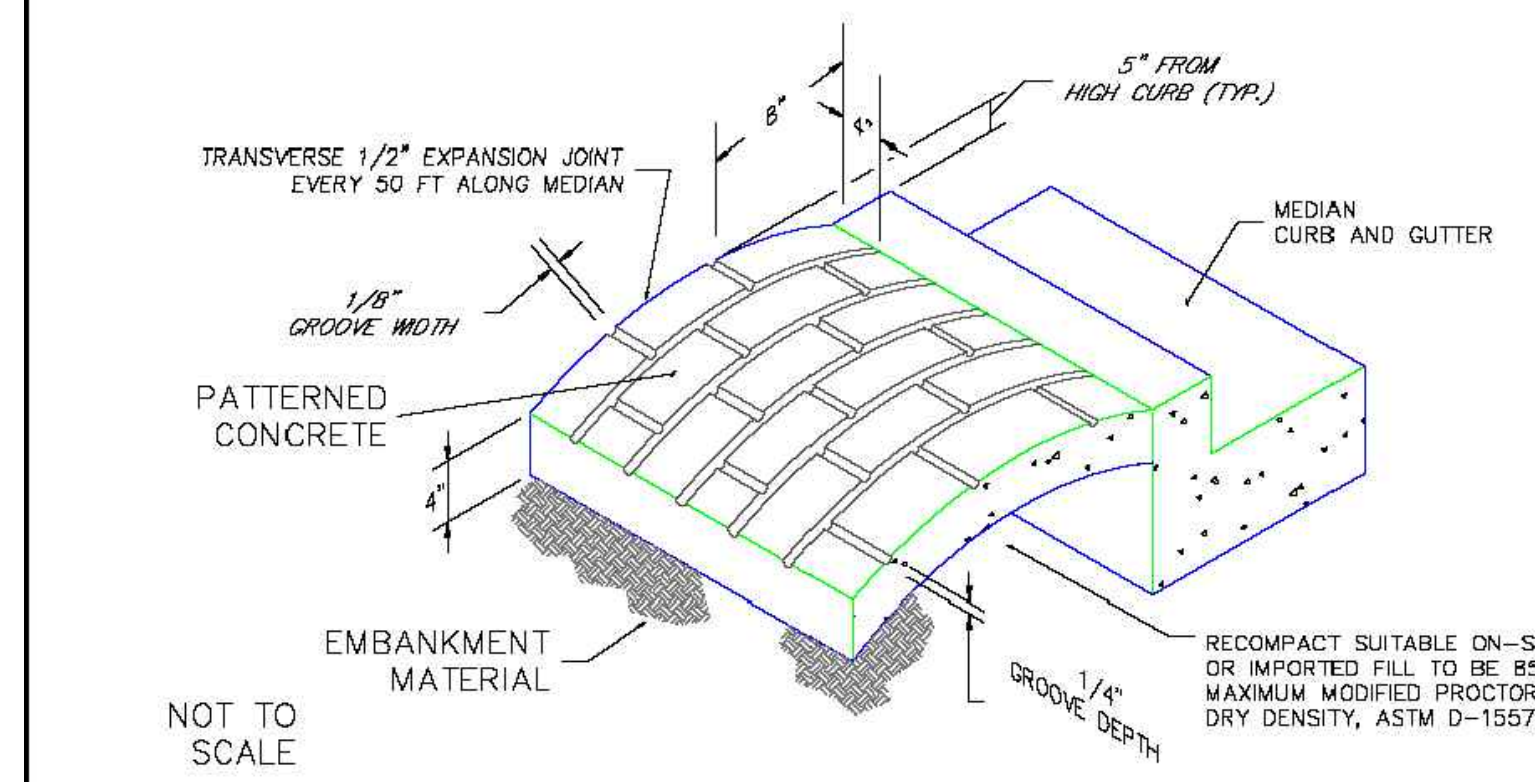
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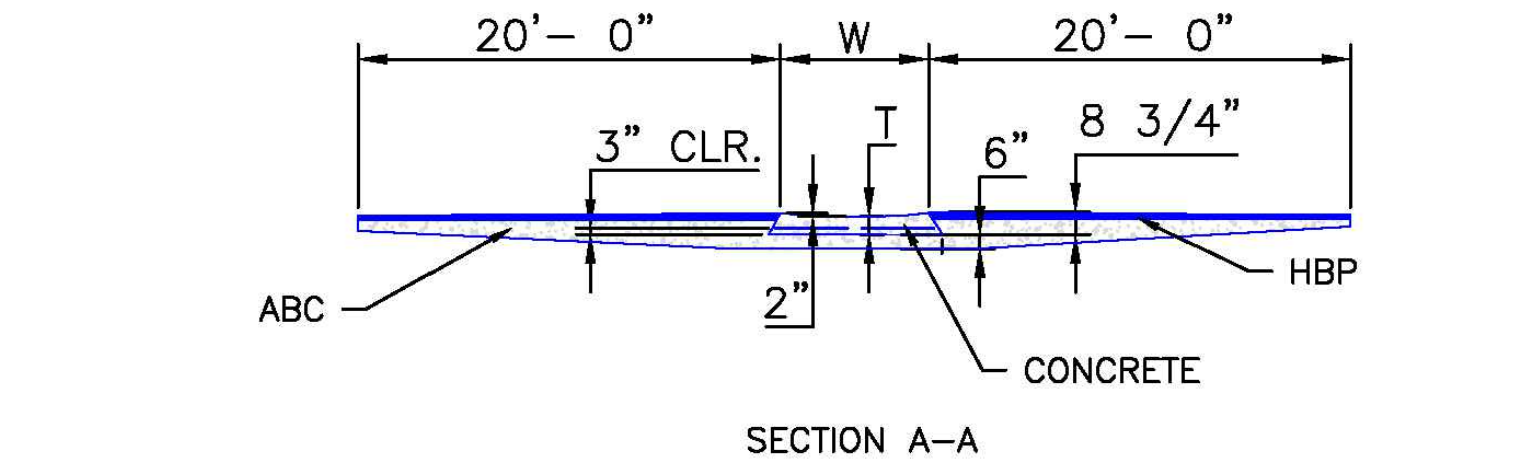
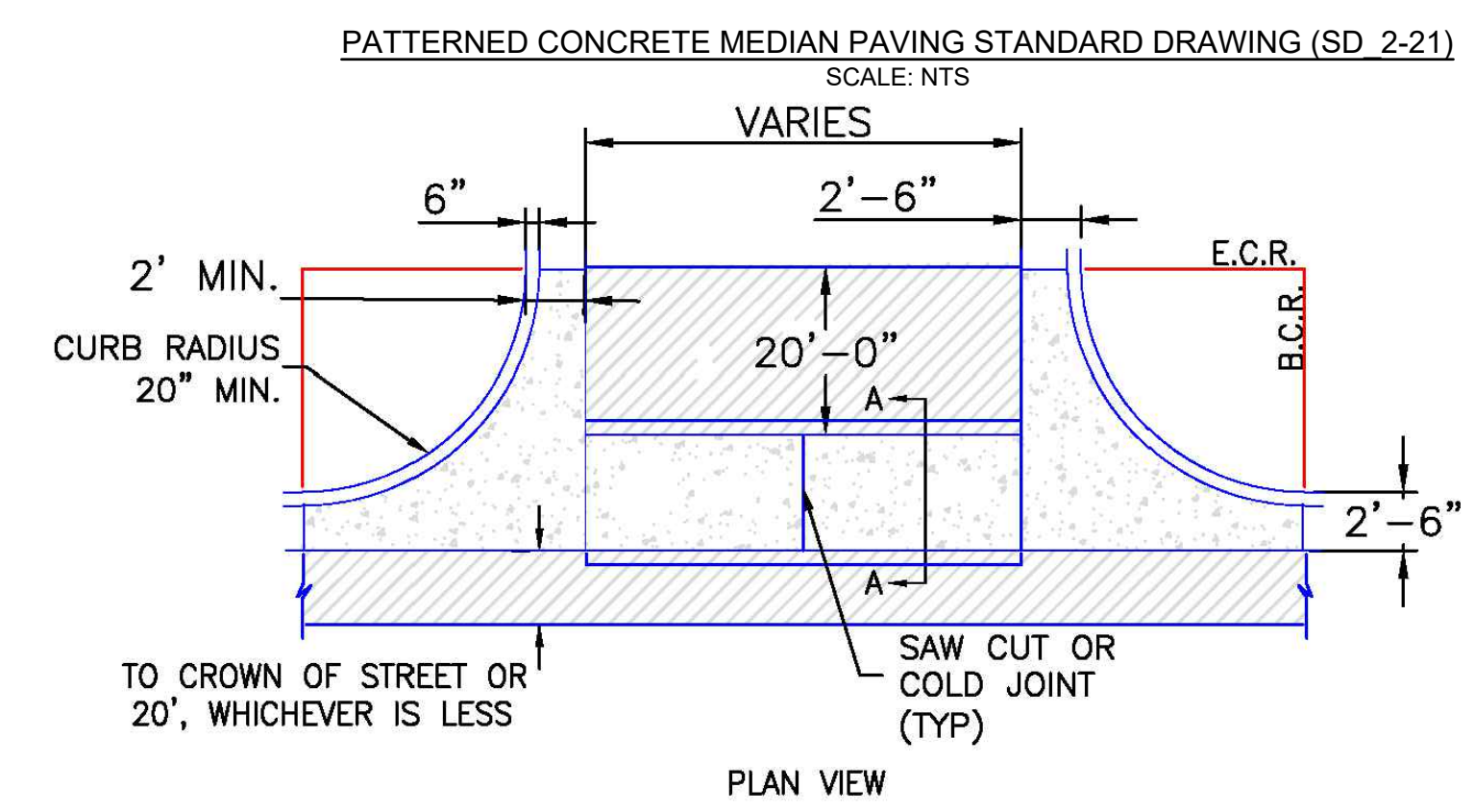
① - GUTTER CROSS SLOPES SHALL BE 1/2 IN./FT. WHEN DRAINING AWAY FROM CURB AND 1 IN./FT. WHEN DRAINING TOWARD CURB (WITH EXCEPTION TO IMMEDIATELY ADJACENT TO CURB RAMPS - SEE CURB RAMP STANDARDS FOR SLOPE REQUIREMENTS).



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

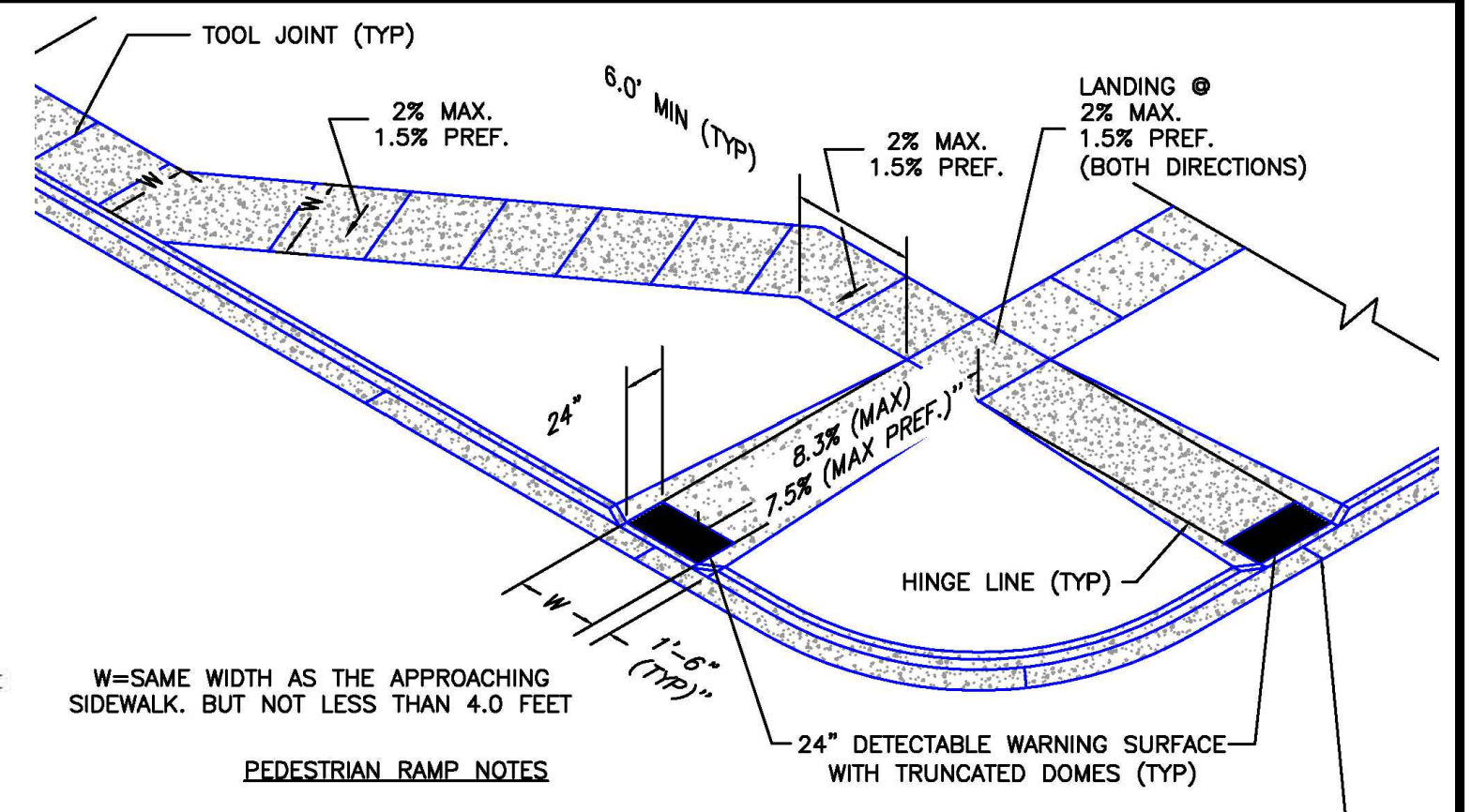


- NOTES:
- THE MEDIAN PAVING SHALL BE CONSTRUCTED WITH 4 INCH THICK, INTEGRALLY COLORED CONCRETE, EMBOSSED WITH A RUNNING BOND 4" X 8" BRICK PATTERN AS SHOWN
  - INSTALL 1/2" X 4" EXPANSION MATERIAL AT MEDIAN NOSES, FIXED OBJECTS, AND AT TRANSVERSE JOINTS AT 50 FT INTERVALS (MAXIMUM) ALONG WITH MEDIAN
  - THE COLOR ADDITIVE SHALL BE APPROVED COMMERCIAL 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 PIGMENT NO. 678, 5LBS/SACK, OR AN APPROVED EQUAL
  - PATTERNED CONCRETE TO BE COLOR SANGRIA 1117 (DAVIS), DAVIS COLOR COMPANY, OR 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 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, APPLA A PRE-EMERGENT HERBICIDE TO MEDIAN SUBGRADE AREA PER MANUFACTURERS SPECIFICATIONS FOR PAVING UNDER BARRIER 50 LABEL (PBI GORDON) TRIFLURALIN IS LABELED FOR USED UNDER ASPHALT UNDER TREFLAN E4C LABEL (ELANCO)

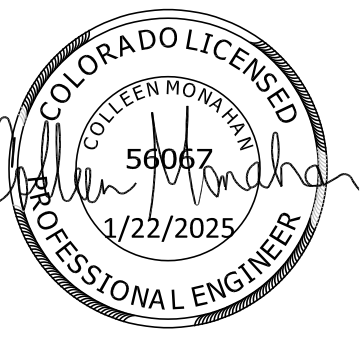
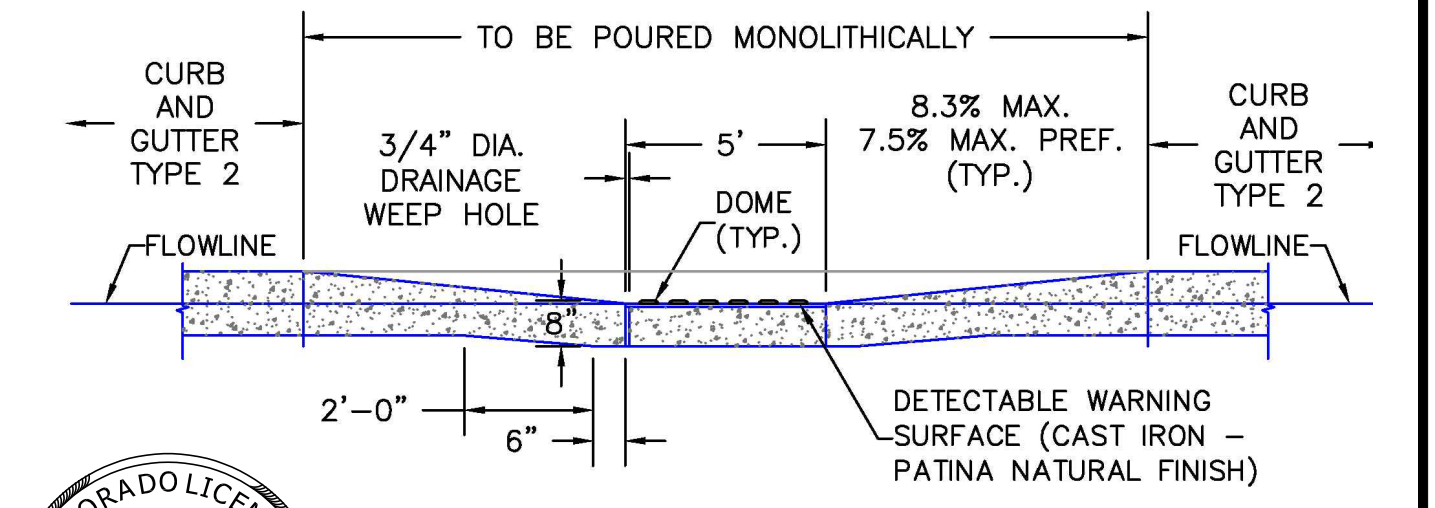
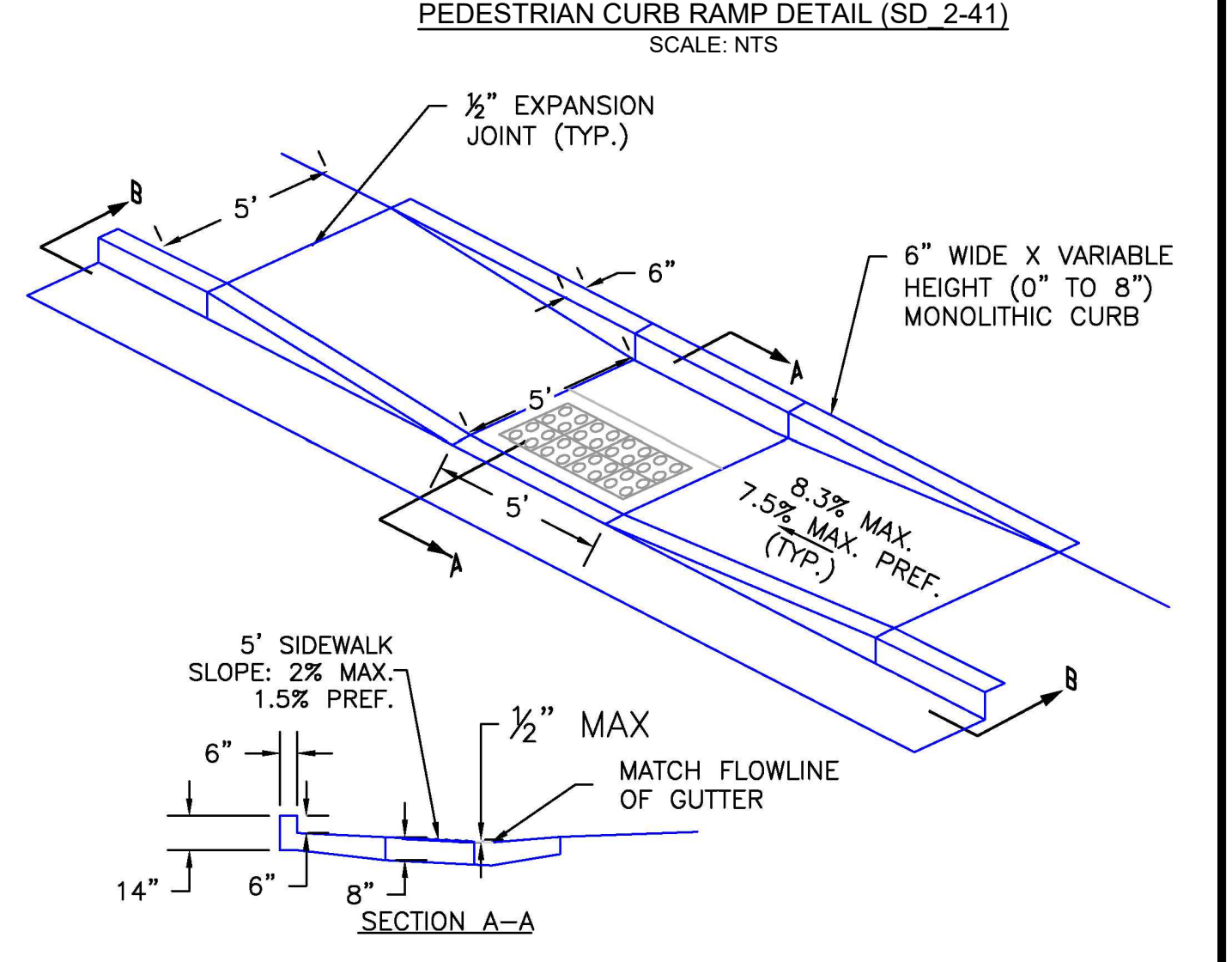


- NOTES
- W - WIDTH SHALL BE 6' FOR LOCAL, 8' FOR COLLECTORS, AND 10' FOR ARTERIAL ROADS.
  - T - SQUARED-OFF RETURN TO BE POURED MONOLITHICALLY, 8" PCC FOR LOCAL ROADS, 9" FOR COLLECTORS WITH 6x6 - 4.4 W.W.F. OR #4 REINFORCING BAR @ 18" EACH WAY.
  - 3" = 3" MINIMUM ASPHALT DEPTH (2 LIFTS).
  - DESIGN 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, COMB 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 6.3.8 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 RAMPS WILL BE PERPENDICULAR TO TRAFFIC WITH THE EXCEPTION OF MID-BLOCK OR TERMINAL RAMPS 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 LANINGS 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 RAMPS ON OPPOSITE CORNERS SHALL BE REVIEWED BEFORE CONSTRUCTING NEW RAMPS.
  - AT MARKED PEDESTRIAN CROSSINGS, THE BOTTOM OF THE RAMPS, EXCLUSIVE OF THE FLARE SIDES, SHALL BE TOTALLY CONTAINED WITHIN THE MARKINGS.



SECTION B-B (SCALE: NOT TO SCALE) PARALLEL PEDESTRIAN CURB RAMP DETAIL (SD 2-50) (SCALE: N.T.S.)

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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

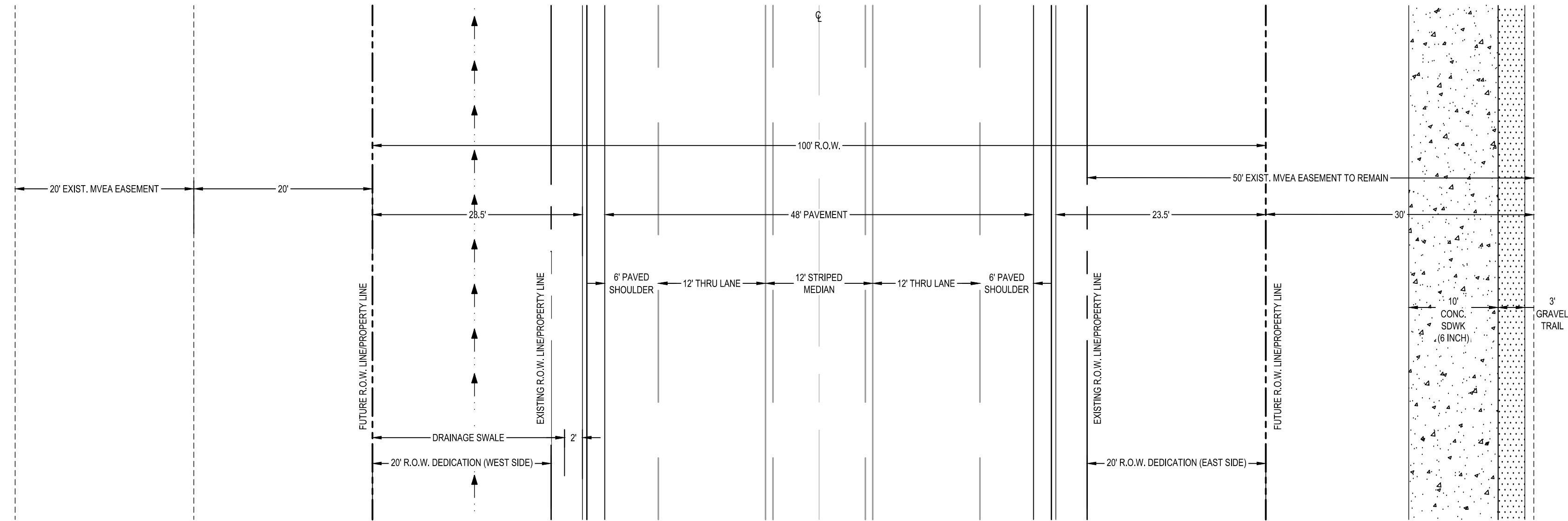
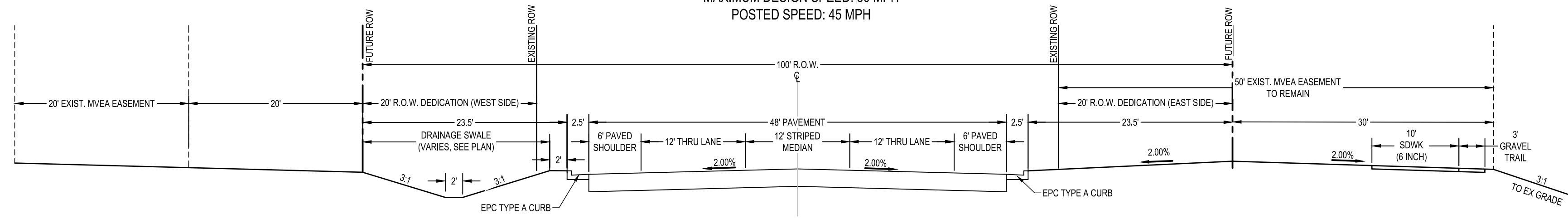


FROM GRANDVIEW FILING 1 TO REX RD (SEGMENT 2)  
 LEGEND

SHEET  
 GN.1  
 45



EASTONVILLE RD ULTIMATE CROSS-SECTION B  
(MODIFIED MINOR URBAN ARTERIAL)  
MAXIMUM DESIGN SPEED: 50 MPH  
POSTED SPEED: 45 MPH



HR GREEN Xref: xref-1-dh01:rdw\_typicals

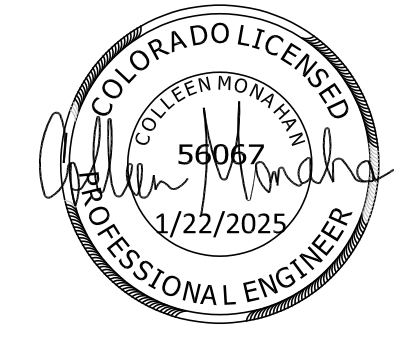
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**EASTONVILLE ROAD IMPROVEMENTS**  
**DR. HORTON**  
EL PASO COUNTY, COLORADO

FROM GRANDVIEW FILING 1 TO REX RD (SEGMENT 2)  
TYPICAL ROAD SECTION



SHEET  
**GN.2**      **46**

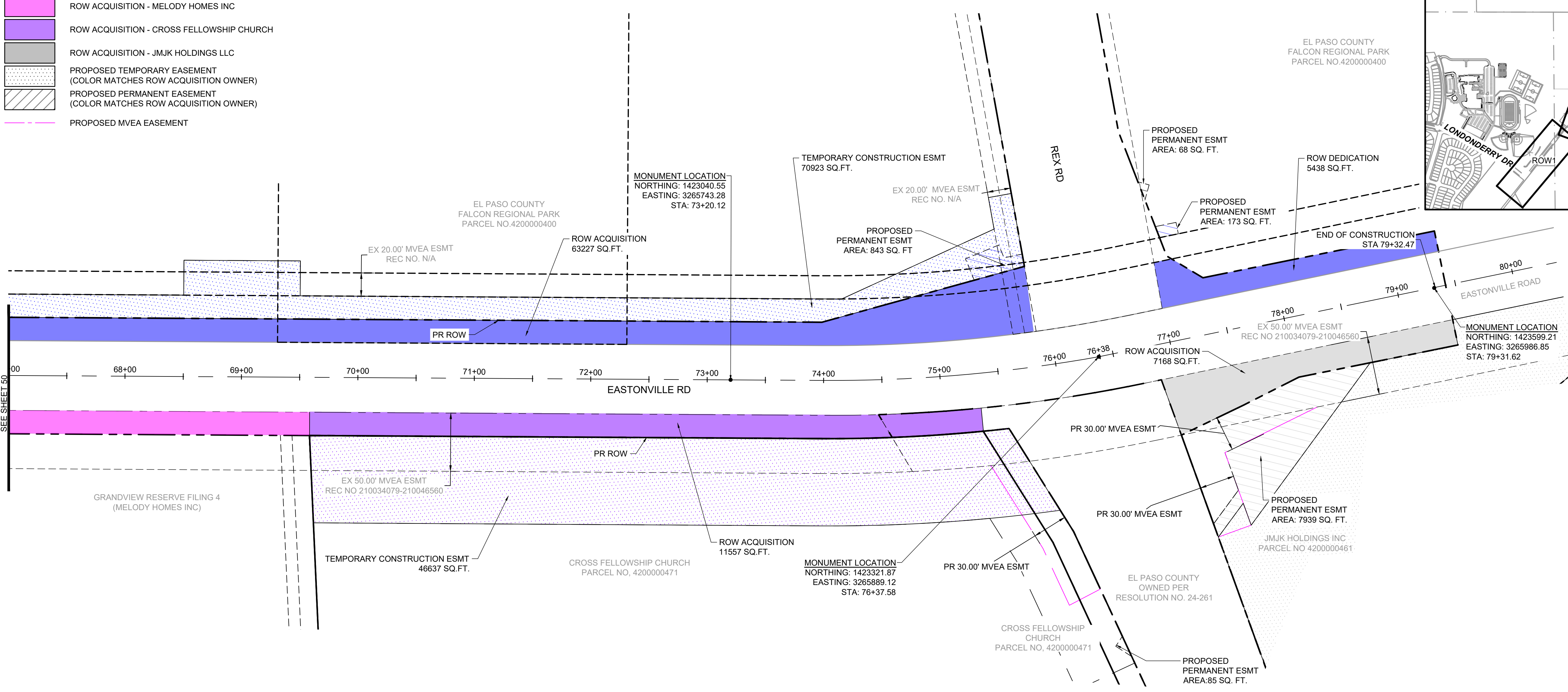
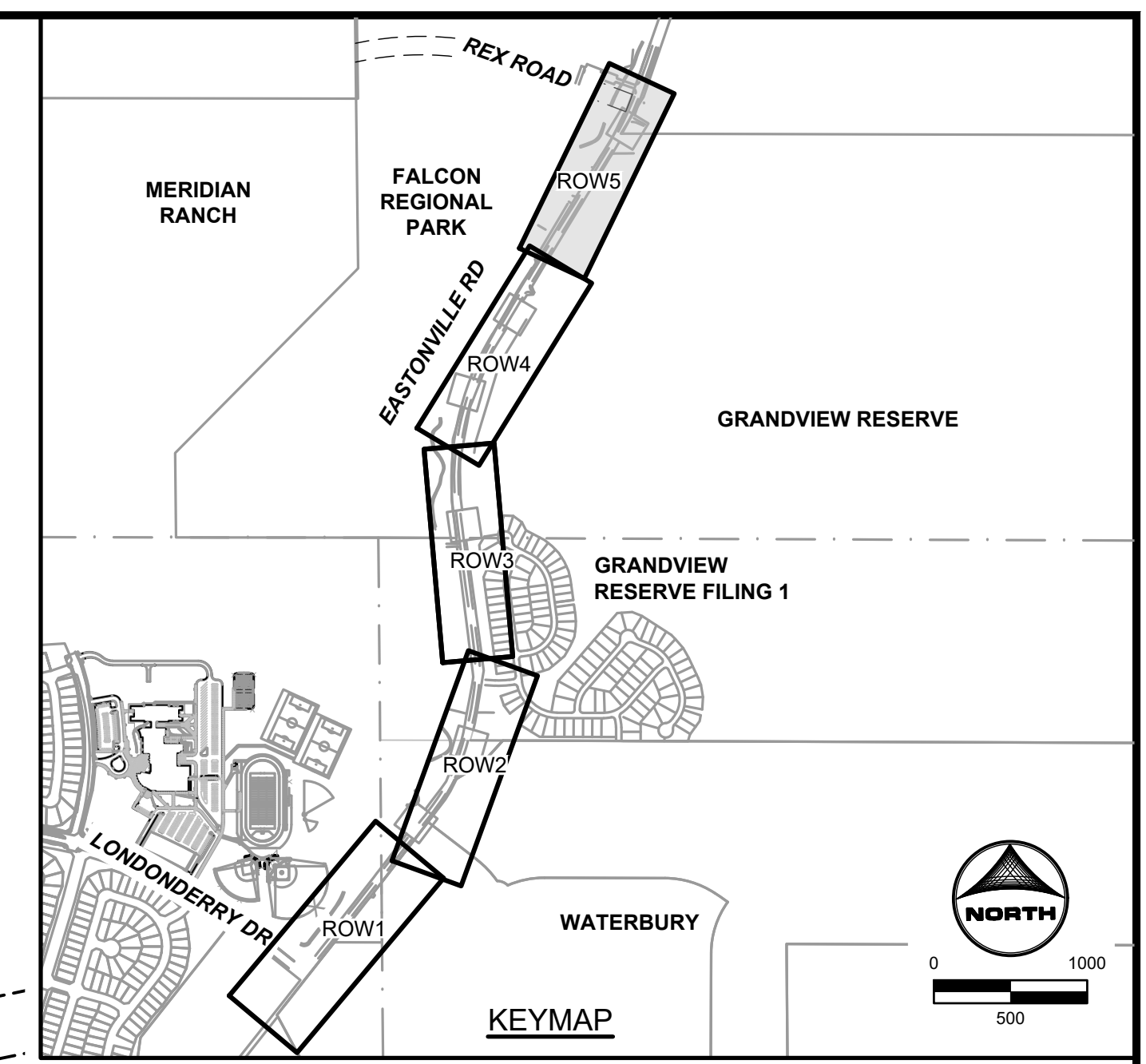




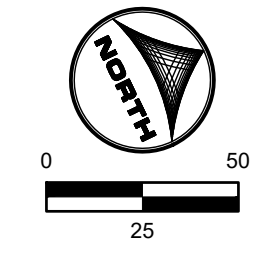


**LEGEND**

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



HR GREEN - HRG1.20X\_EBase; xv-row-662.08\_Eastonville; xv-dgn-089; xgr-1-dtd1; 01-XC-PR\_100YR\_PP\_DELINEATION\_A\_xgr-1-dtd1; 01-XC-PR\_100YR\_PP\_DELINEATION\_A\_xgr-1-dtd1; 01-XC-INITIAL-EC-01-XC; Wmpwells; 01-XC-channel; PLAN AND PROFILE



Know what's below.  
Call before you dig.  
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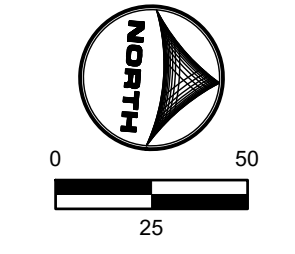
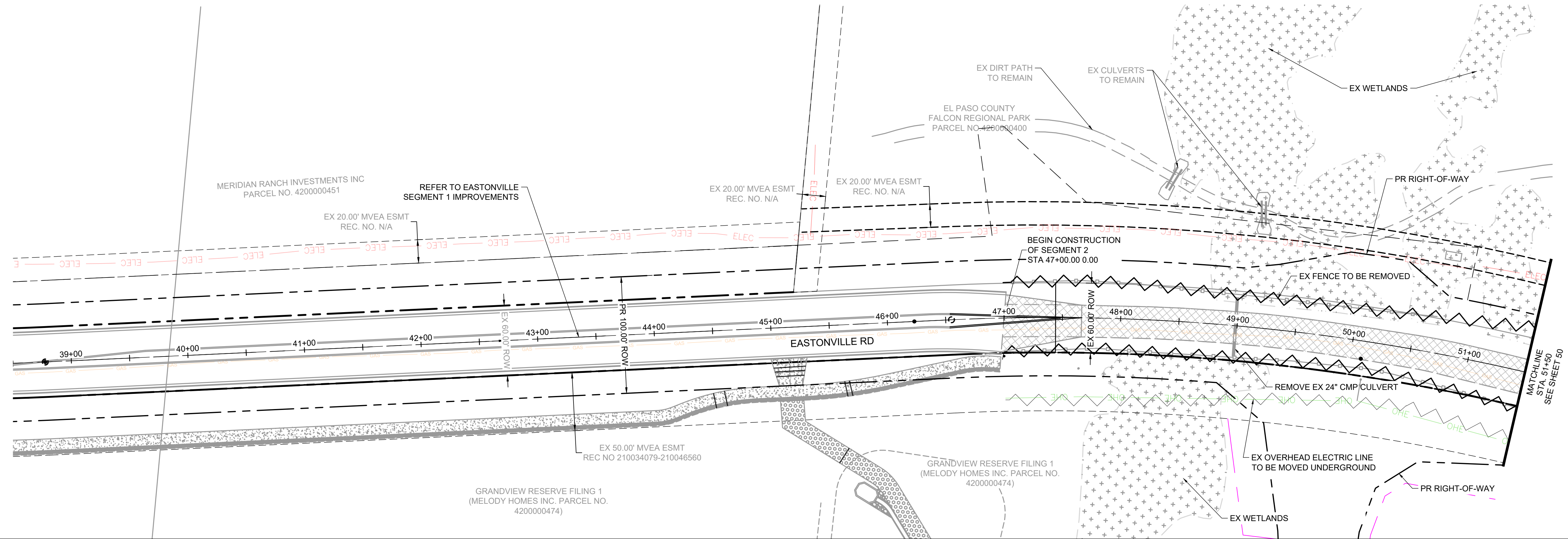
NO.	DATE	BY	REVISION DESCRIPTION

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**EASTONVILLE ROAD IMPROVEMENTS**  
**DR. HORTON**  
 EL PASO COUNTY, COLORADO

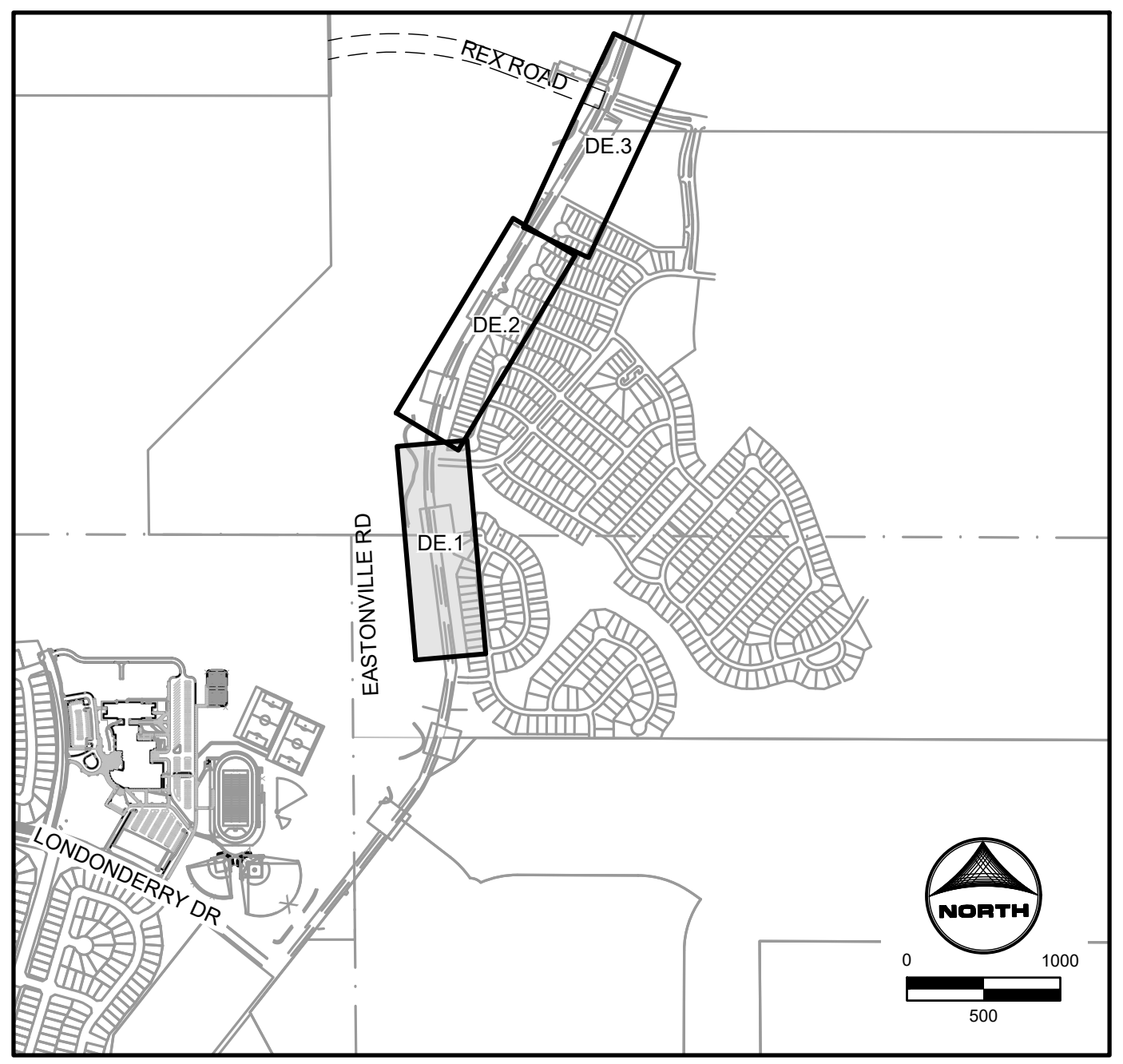
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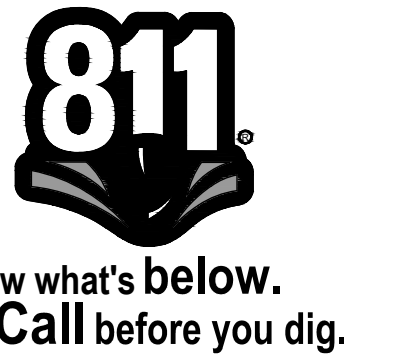


**LEGEND:**

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



KEYMAP



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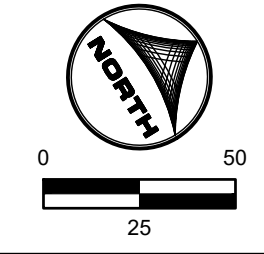
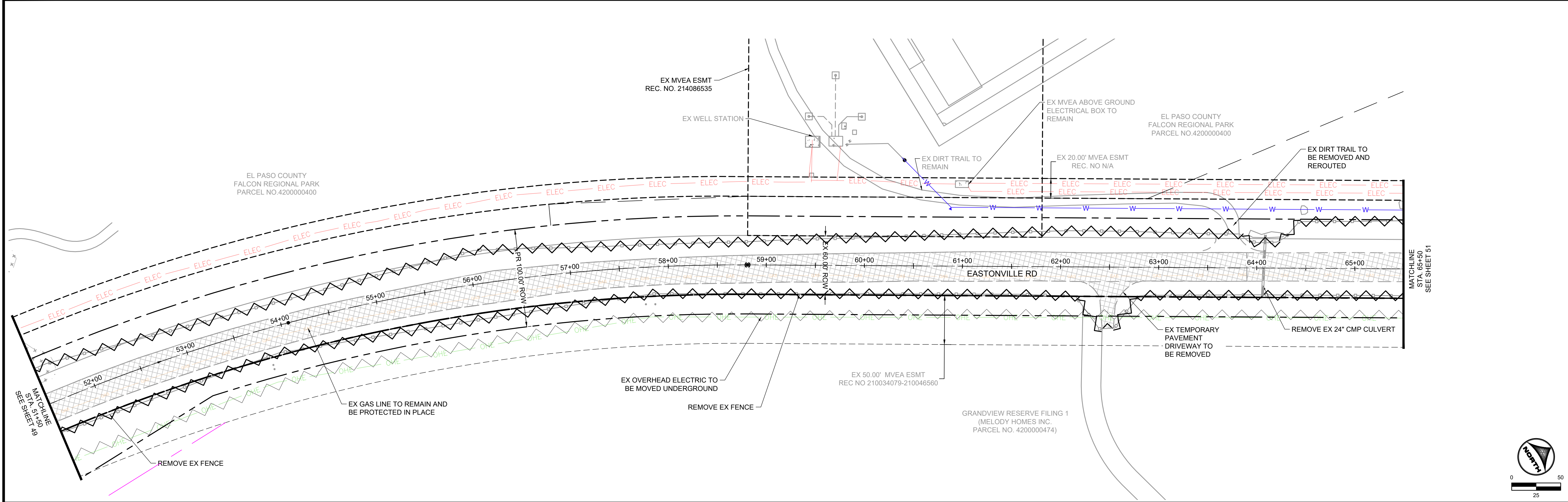
**EASTONVILLE ROAD IMPROVEMENTS**  
**DR. HORTON**  
 EL PASO COUNTY, COLORADO

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

HR GREEN - 01-xc-row; HRG1.20X; EBase; xv-row-662.08; Eastonville; xv-dsgn-089; xg1-1-d01; 01-xc-pr; 100YR; FP; DELINEATION; A; vgl-1-d01; CD; Road; PNF; xv-111; 662; Key; Map; xcdsgn-662.08; Eastonville; Seg; 1; xc-row; 662.08; Eastonville

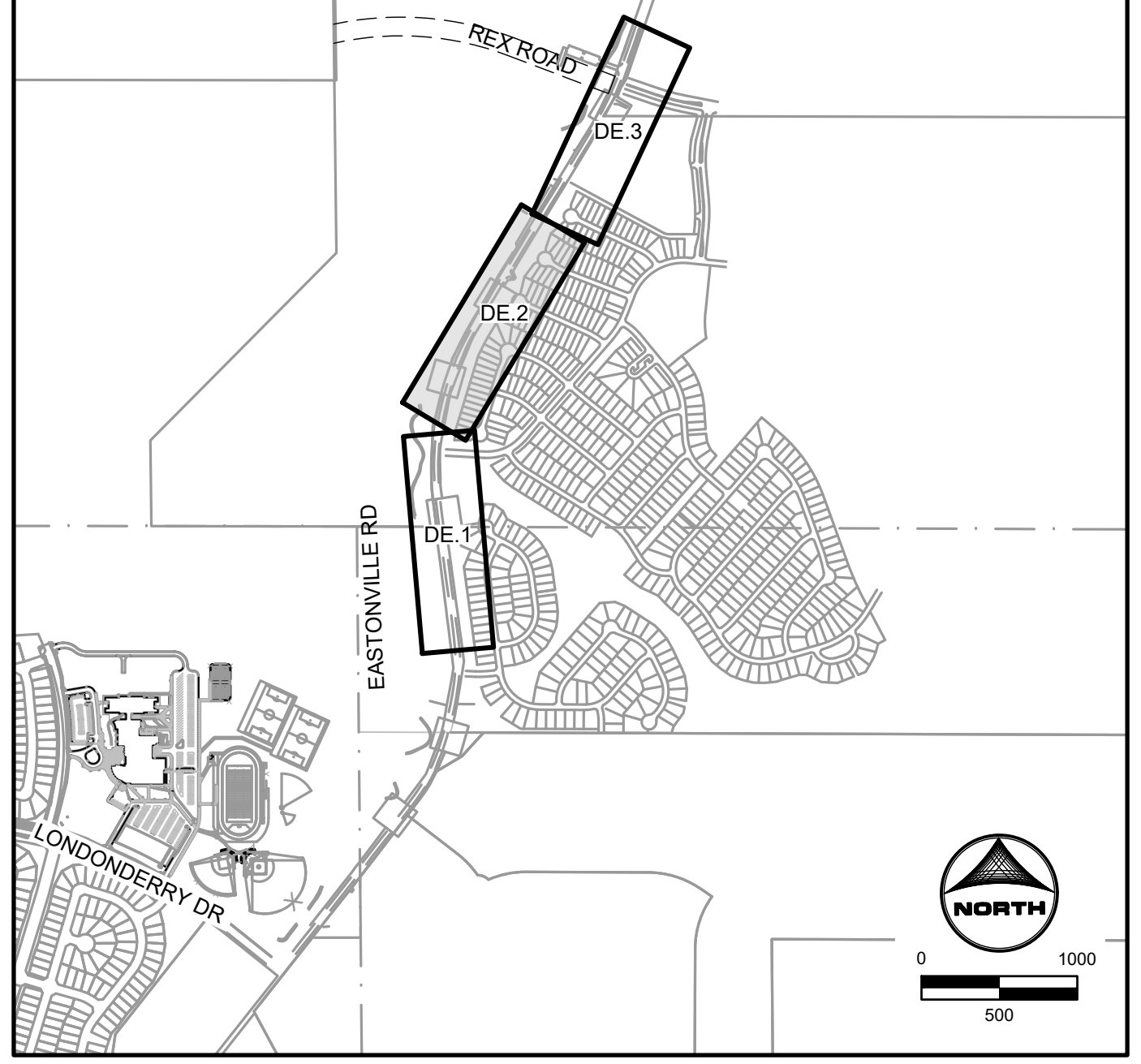


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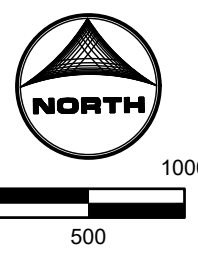


**LEGEND:**

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



KEYMAP



EDARP FILING NO. CDR2321

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CAD FILE: J:\2020\201662\CAD\Drawings\CIEastonville_Road_662.08\Segment_2\CDI\Road_CDs\Demo_Plan		

NO.	DATE	BY	REVISION DESCRIPTION

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 COLORADO SPRINGS CO 80920  
 PHONE: 719.300.4140  
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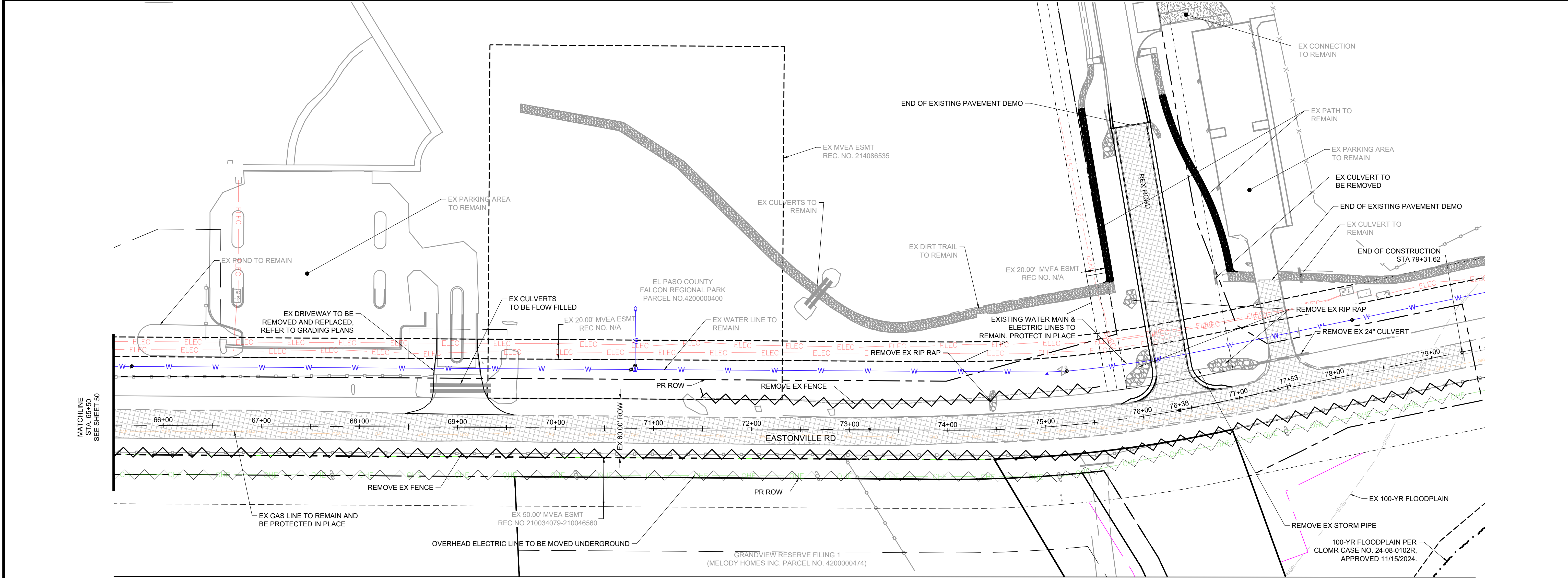
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**DR. HORTON**  
 EL PASO COUNTY, COLORADO

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

SHEET	50
DE.2	

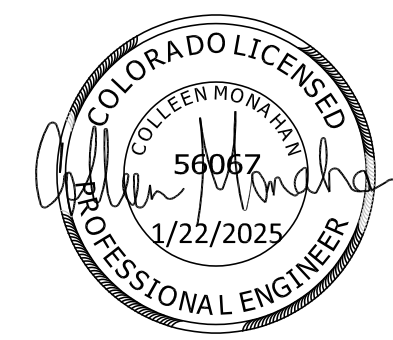
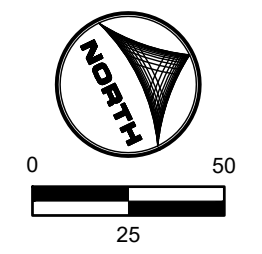
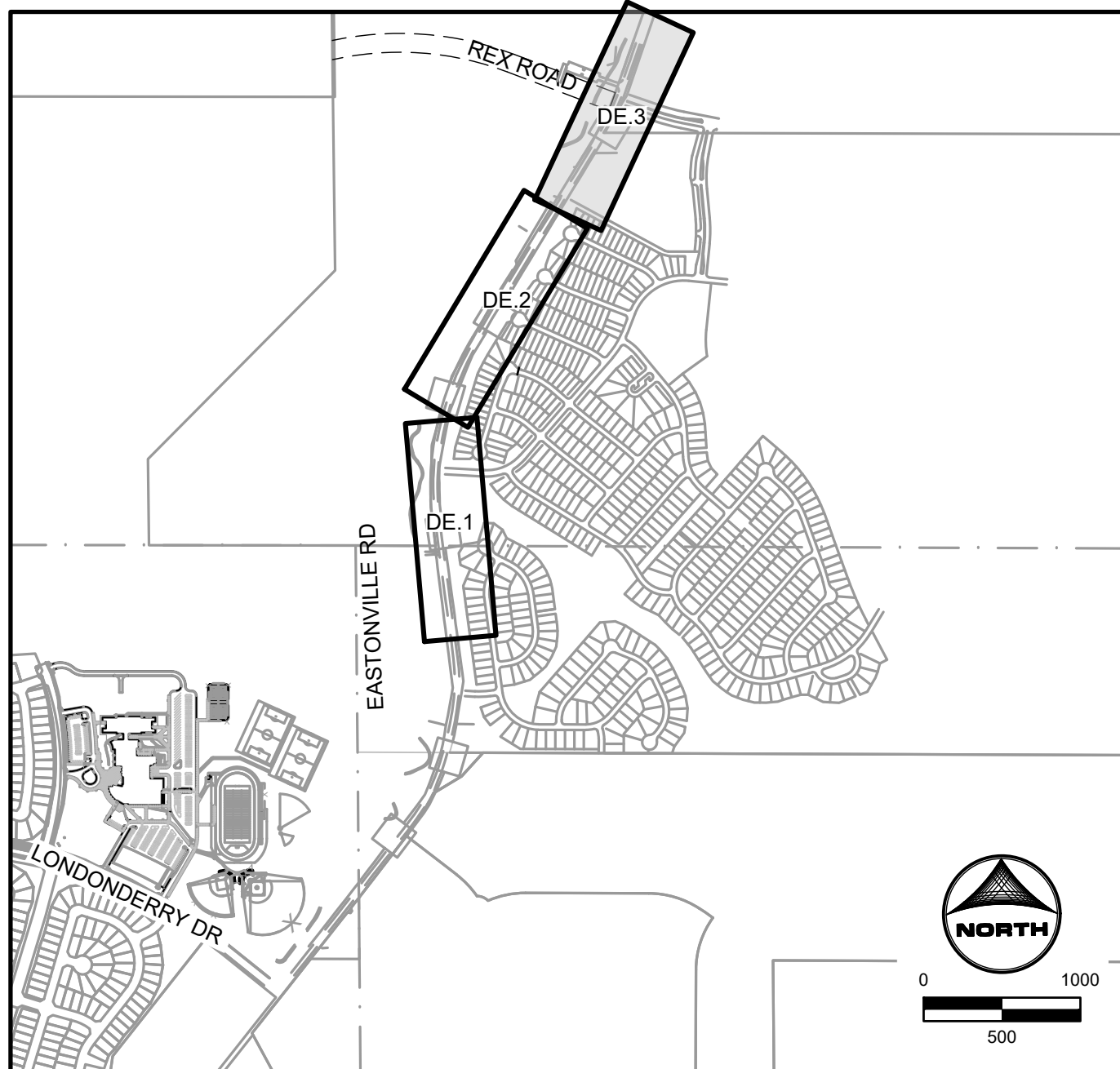


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**LEGEND:**

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



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PHONE: 719.300.4140  
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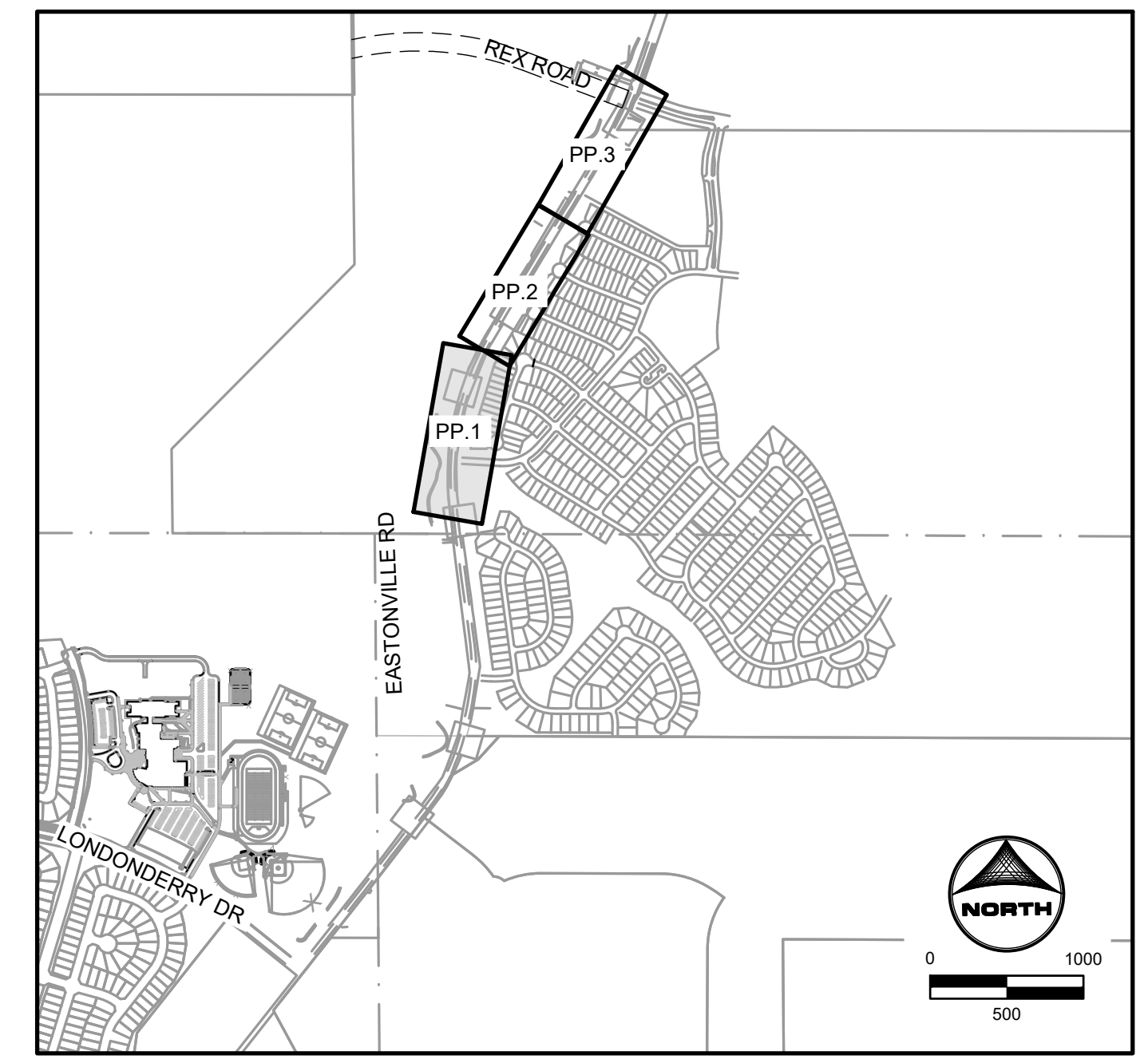
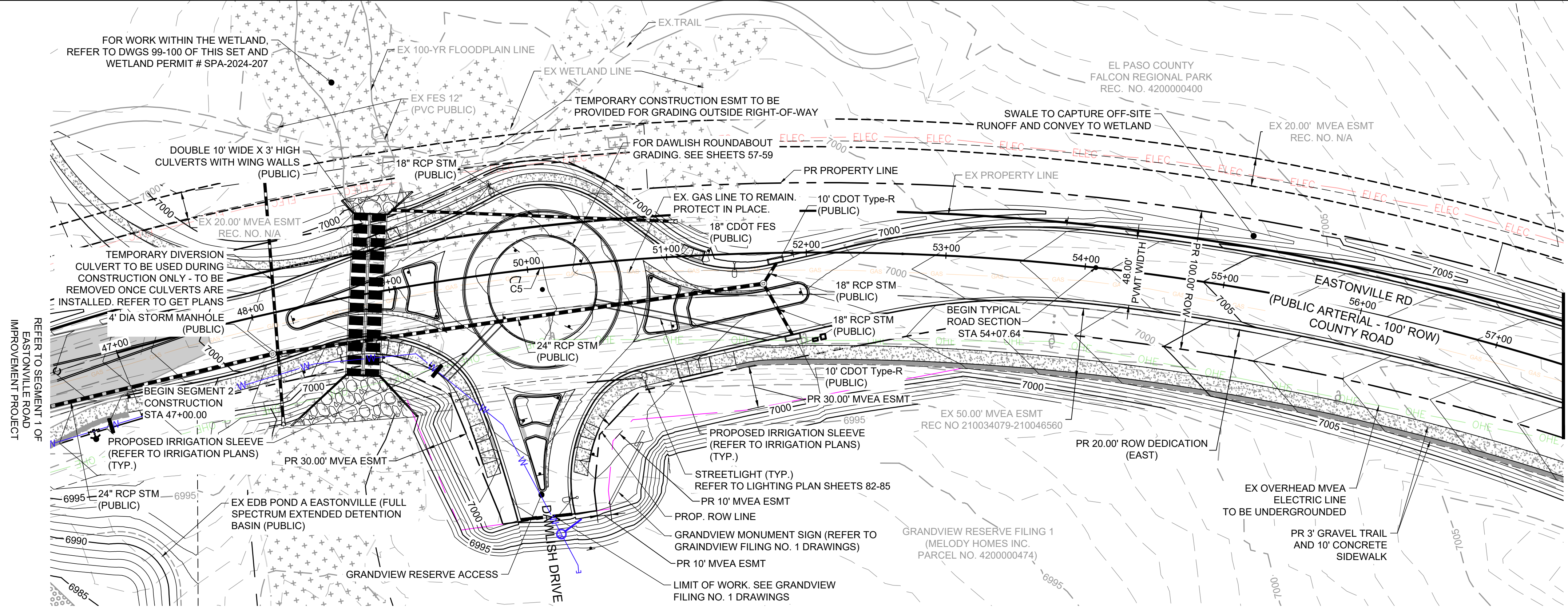
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EL PASO COUNTY, COLORADO

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

SHEET  
**DE.3**  
51



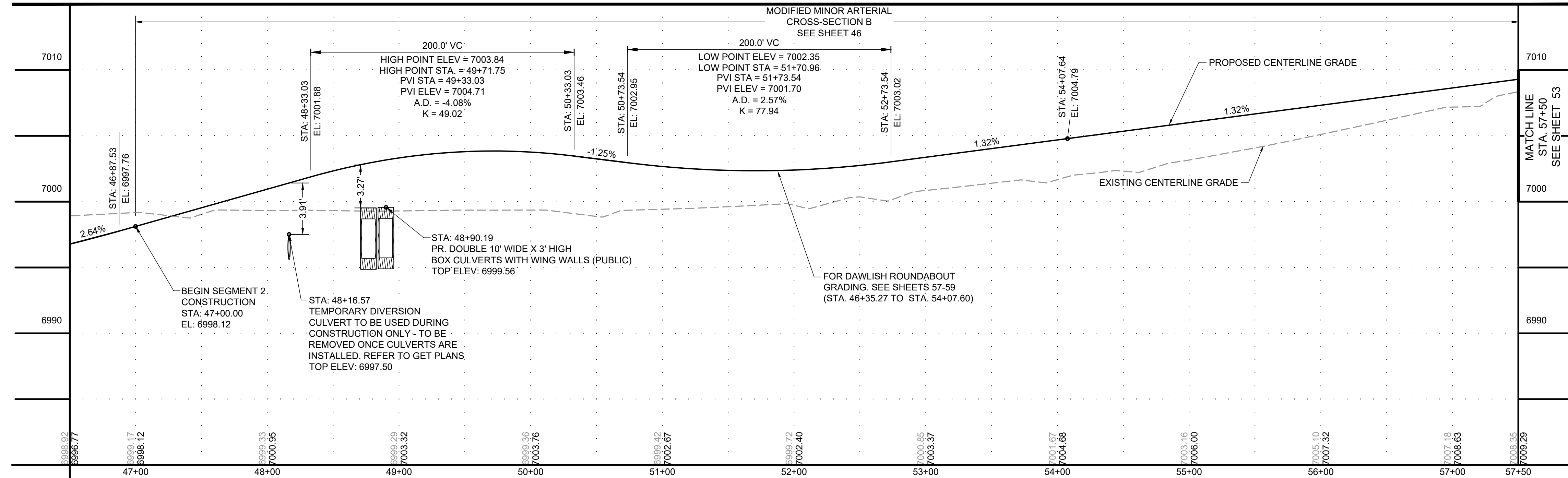
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**Curve Table**

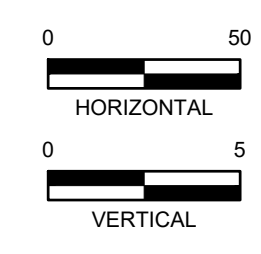
Curve #	Length	Radius	Delta
C5	1180.82	1800.00	37°35'12"

**EASTONVILLE ROAD: 46+50 - 57+50**



**LEGEND**

	EXISTING	PROPOSED
MATCH LINE	---	---
PHASE LINE	---	---
SECTION LINE	---	---
PROPERTY BOUNDARY	---	---
PROPERTY LINE	---	---
EASEMENT LINE	---	---
RIGHT OF WAY	---	---
CENTERLINE	---	---
CHAIN LINK FENCE	---	---
WOODEN FENCE	---	---
SPLIT RAIL FENCE	---	---
GUARDRAIL	---	---
U.G. ELECTRIC	---	---
OVERHEAD ELECTRIC	---	---
FIBER OPTIC	---	---
GAS MAIN	---	---
SANITARY SEWER	---	---
STORM DRAIN	---	---
TELEPHONE	---	---
WATER MAIN	---	---
SWALE	---	---
TRAIL	---	---
CURB & GUTTER	---	---
INDEX CONTOUR	---	---
INTER. CONTOUR	---	---
100-YR FLOODPLAIN	---	---
FLOODWAY	---	---
EDGE OF WETLANDS	---	---



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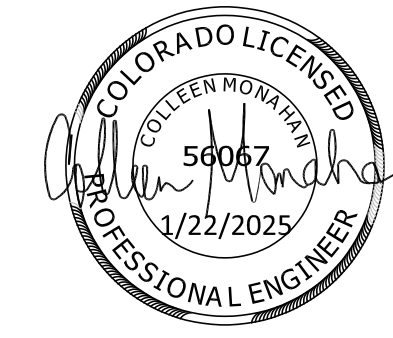
NO.	DATE	BY	REVISION DESCRIPTION

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

**EASTONVILLE ROAD IMPROVEMENTS**  
**DR. HORTON**  
 EL PASO COUNTY, COLORADO

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

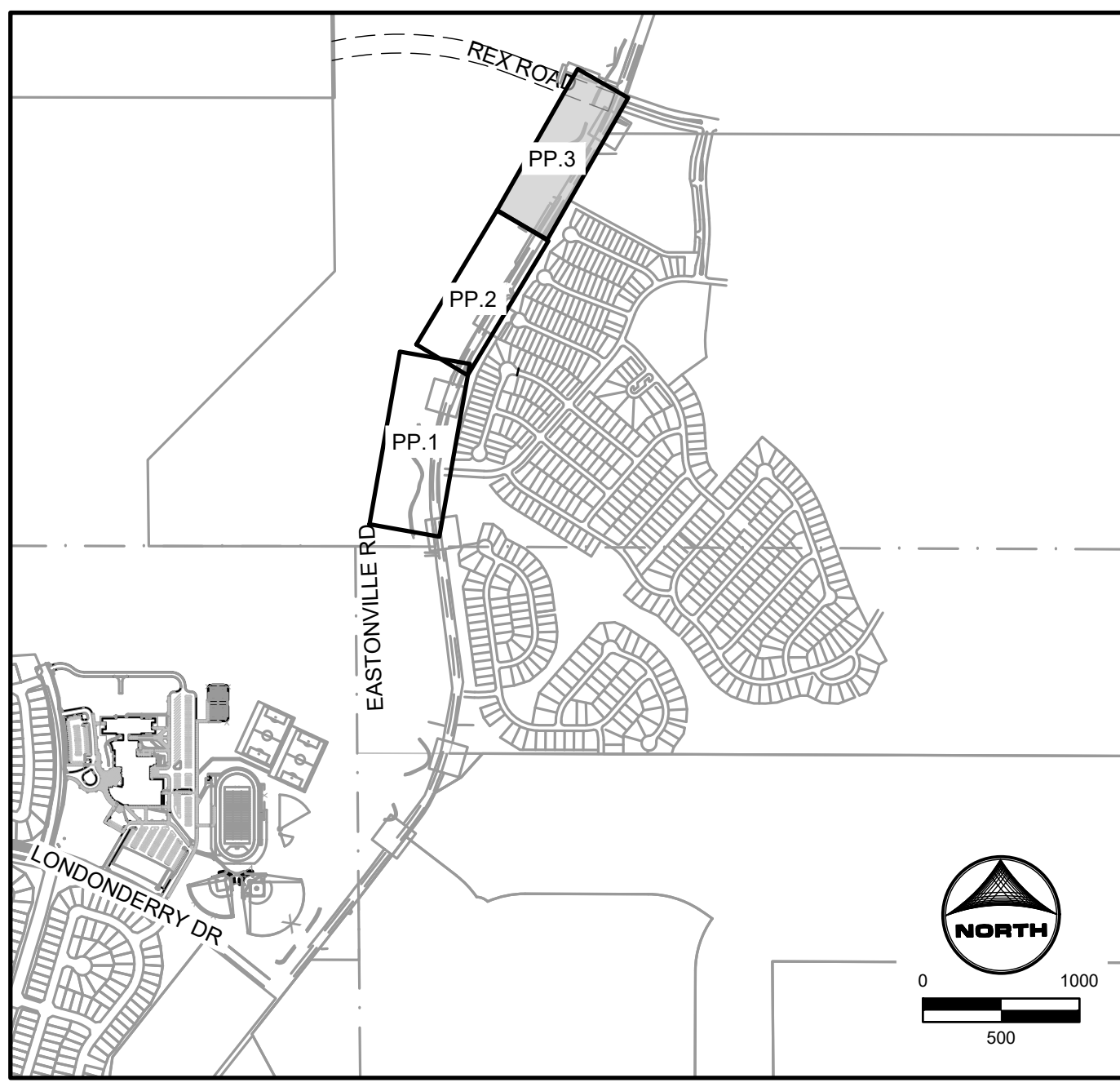
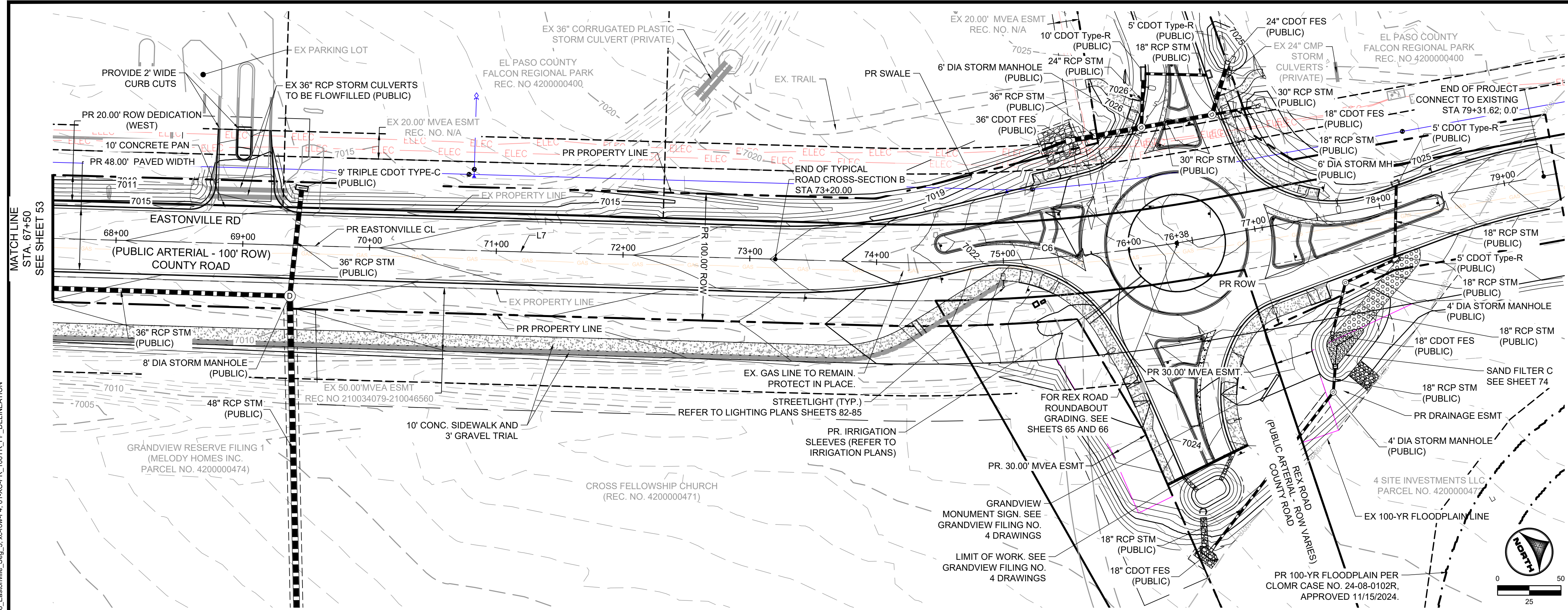
SHEET  
**PP.1**      **52**







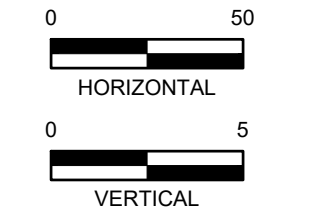
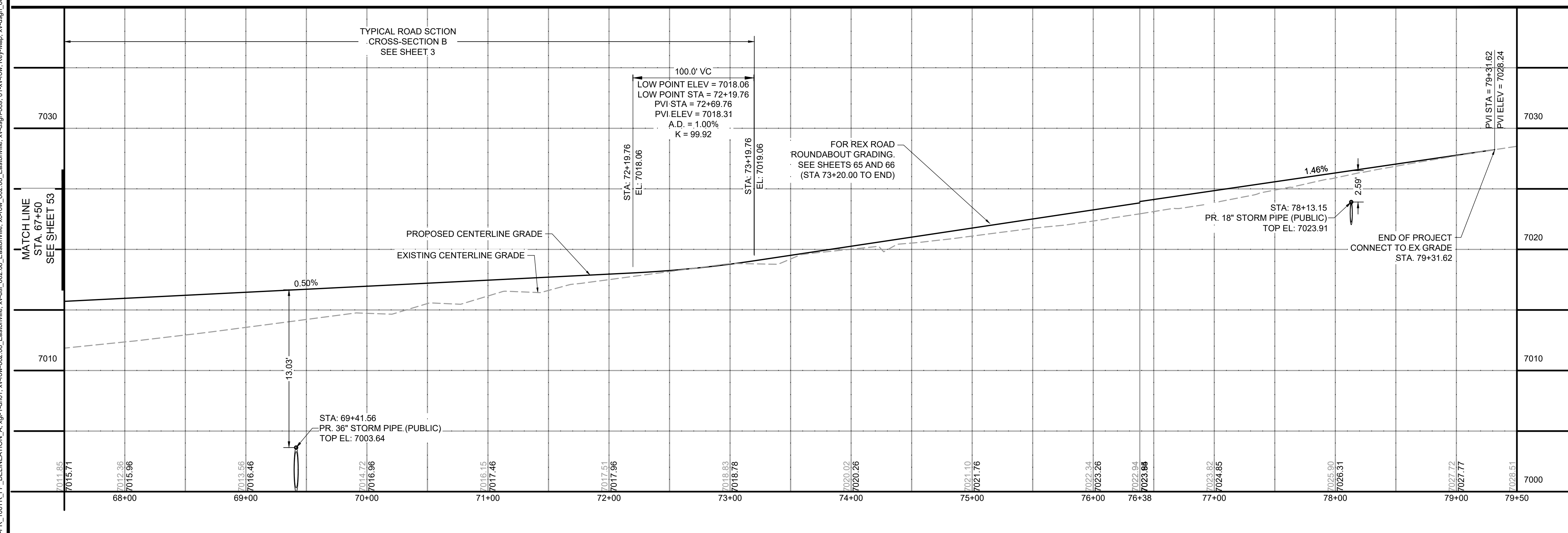




KEYMAP

Curve Table				Line Table		
Curve #	Length	Radius	Delta	Line #	Length	Direction
C6	272.59	1300.00	12°00'51"	L7	1517.49	N 31°20'52" E

EASTONVILLE ROAD: 67+50 - 77+53



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 EL PASO COUNTY, COLORADO

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

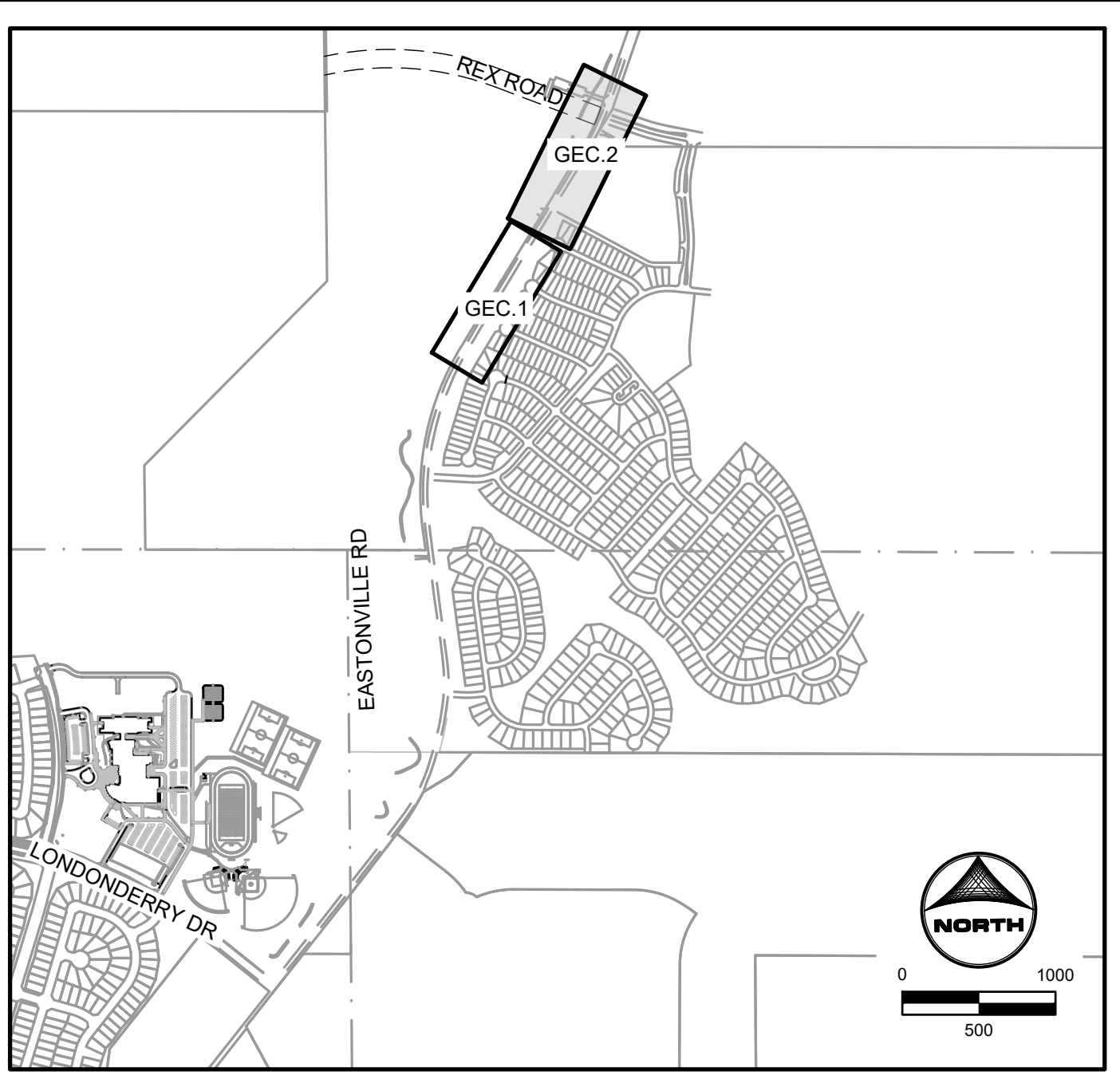
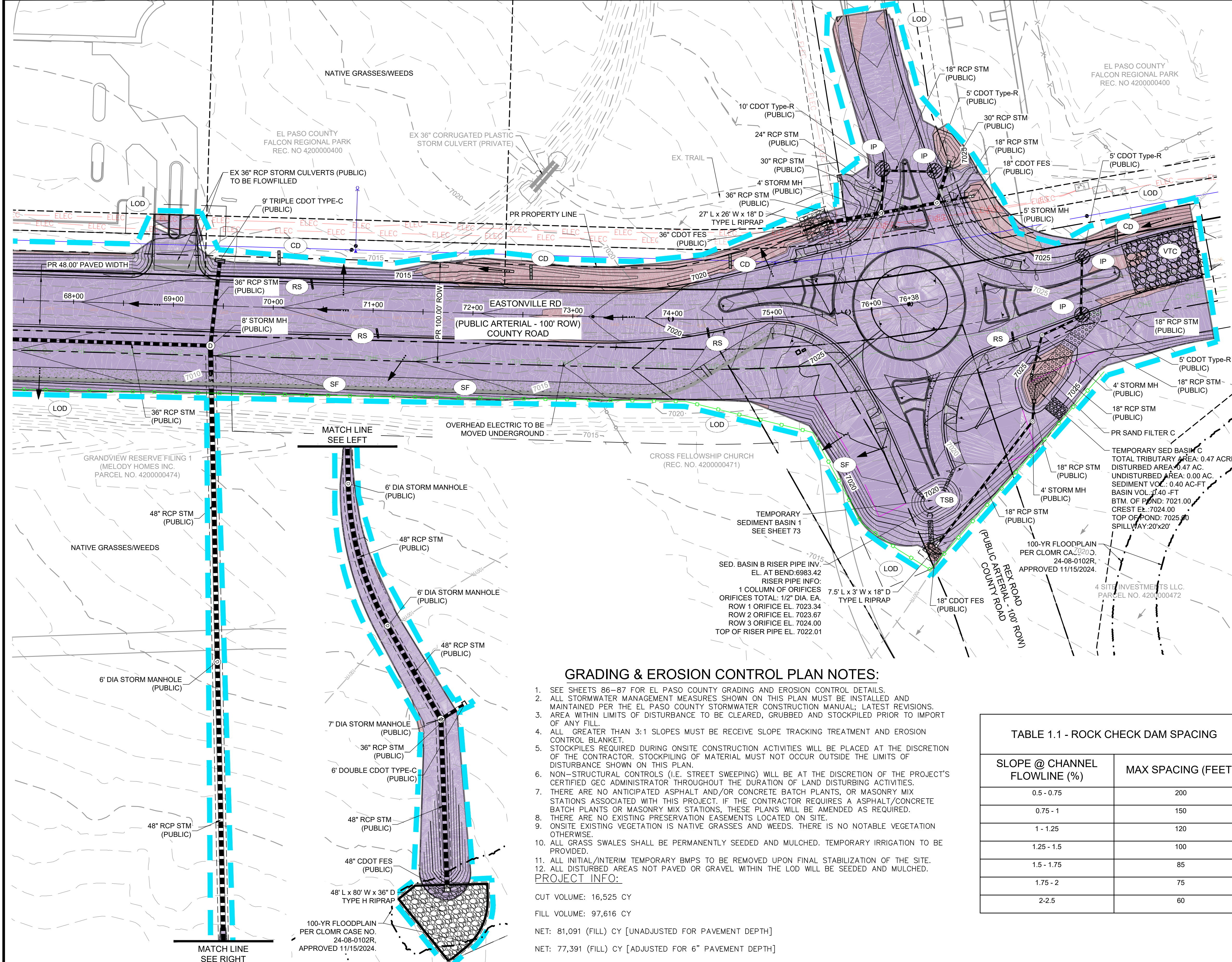
SHEET  
**PP.3**  
**54**







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**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

**GRADING & EROSION CONTROL PLAN NOTES:**

- SEE SHEETS 86-87 FOR EL PASO COUNTY GRADING AND EROSION CONTROL DETAILS.
- ALL STORMWATER MANAGEMENT MEASURES SHOWN ON THIS PLAN MUST BE INSTALLED AND MAINTAINED PER THE EL PASO COUNTY STORMWATER CONSTRUCTION MANUAL; LATEST REVISIONS.
- AREA WITHIN LIMITS OF DISTURBANCE TO BE CLEARED, GRUBBED AND STOCKPILED PRIOR TO IMPORT OF ANY FILL.
- ALL GREATER THAN 3:1 SLOPES MUST BE RECEIVE SLOPE TRACKING TREATMENT AND EROSION CONTROL BLANKET.
- STOCKPILES REQUIRED DURING ONSITE CONSTRUCTION ACTIVITIES WILL BE PLACED AT THE DISCRETION OF THE CONTRACTOR. STOCKPILING OF MATERIAL MUST NOT OCCUR OUTSIDE THE LIMITS OF DISTURBANCE SHOWN ON THIS PLAN.
- NON-STRUCTURAL CONTROLS (I.E. STREET SWEEPING) WILL BE AT THE DISCRETION OF THE PROJECT'S CERTIFIED GEC ADMINISTRATOR THROUGHOUT THE DURATION OF LAND DISTURBING ACTIVITIES.
- THERE ARE NO ANTICIPATED ASPHALT AND/OR CONCRETE BATCH PLANTS, OR MASONRY MIX STATIONS ASSOCIATED WITH THIS PROJECT. IF THE CONTRACTOR REQUIRES A ASPHALT/CONCRETE BATCH PLANTS OR MASONRY MIX STATIONS, THESE PLANS WILL BE AMENDED AS REQUIRED.
- THERE ARE NO EXISTING PRESERVATION EASEMENTS LOCATED ON SITE.
- ONSITE EXISTING VEGETATION IS NATIVE GRASSES AND WEEDS. THERE IS NO NOTABLE VEGETATION OTHERWISE.
- ALL GRASS SWALES SHALL BE PERMANENTLY SEEDED AND MULCHED. TEMPORARY IRRIGATION TO BE PROVIDED.
- ALL INITIAL/INTERIM TEMPORARY BMPs TO BE REMOVED UPON FINAL STABILIZATION OF THE SITE.
- ALL DISTURBED AREAS NOT PAVED OR GRAVEL WITHIN THE LOD WILL BE SEEDED AND MULCHED.

**PROJECT INFO:**

CUT VOLUME: 16,525 CY  
 FILL VOLUME: 97,616 CY  
 NET: 81,091 (FILL) CY [UNADJUSTED FOR PAVEMENT DEPTH]  
 NET: 77,391 (FILL) CY [ADJUSTED FOR 6" PAVEMENT DEPTH]

**TABLE 1.1 - ROCK 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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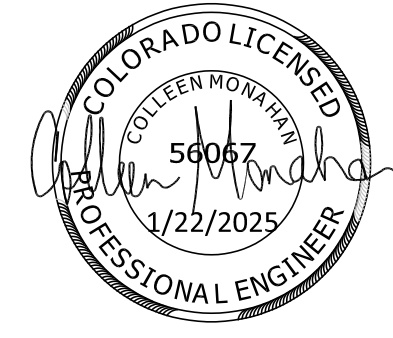
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 EL PASO COUNTY, COLORADO

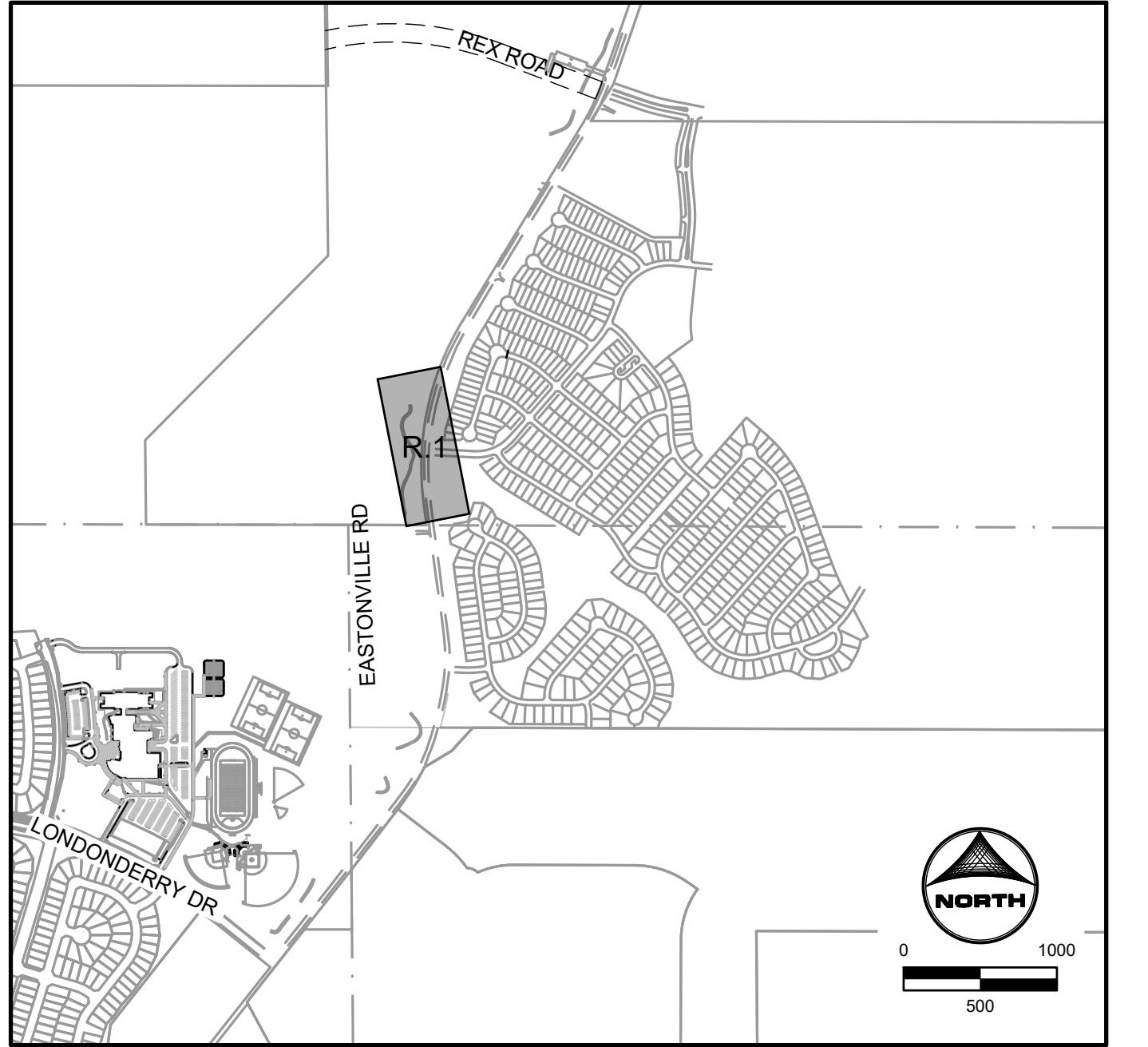
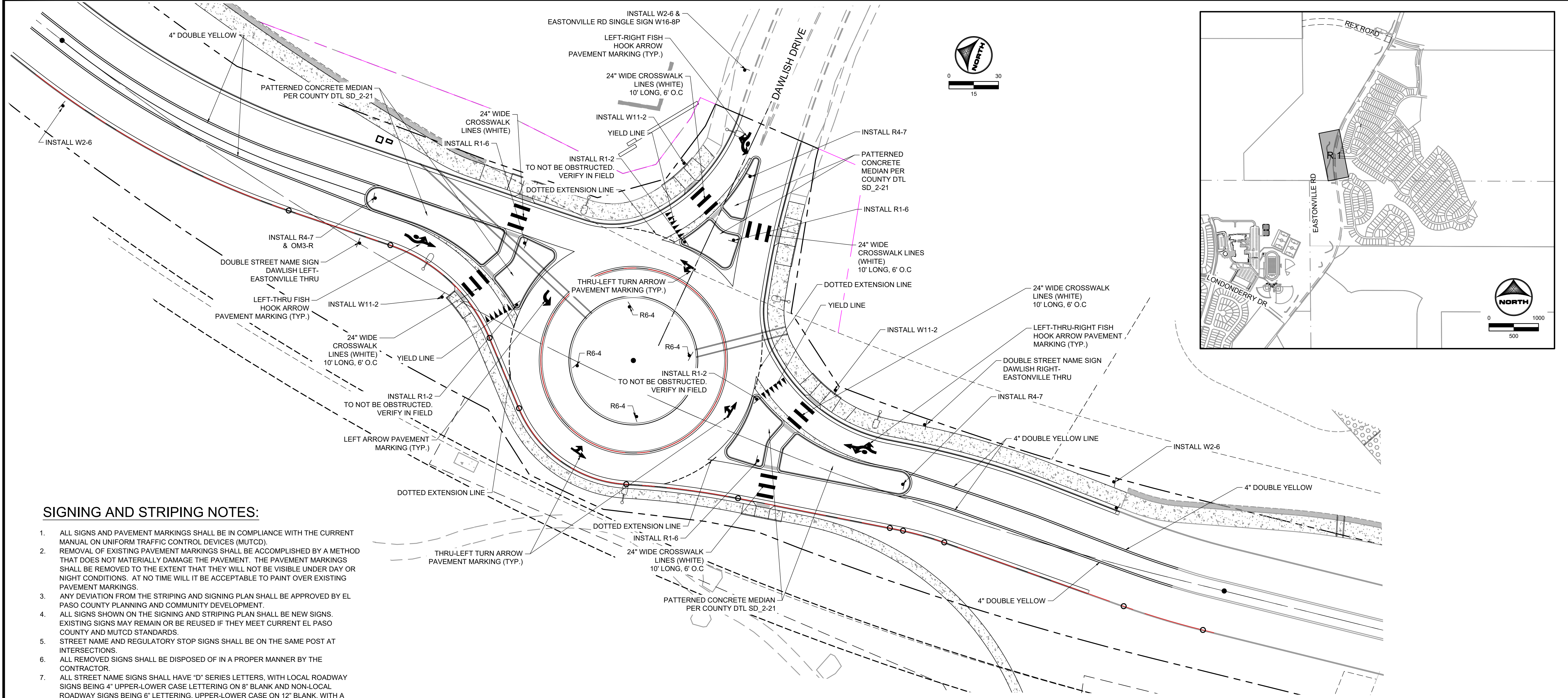
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 GRADING & EROSION CONTROL PLAN

SHEET  
**GEC.2** 56



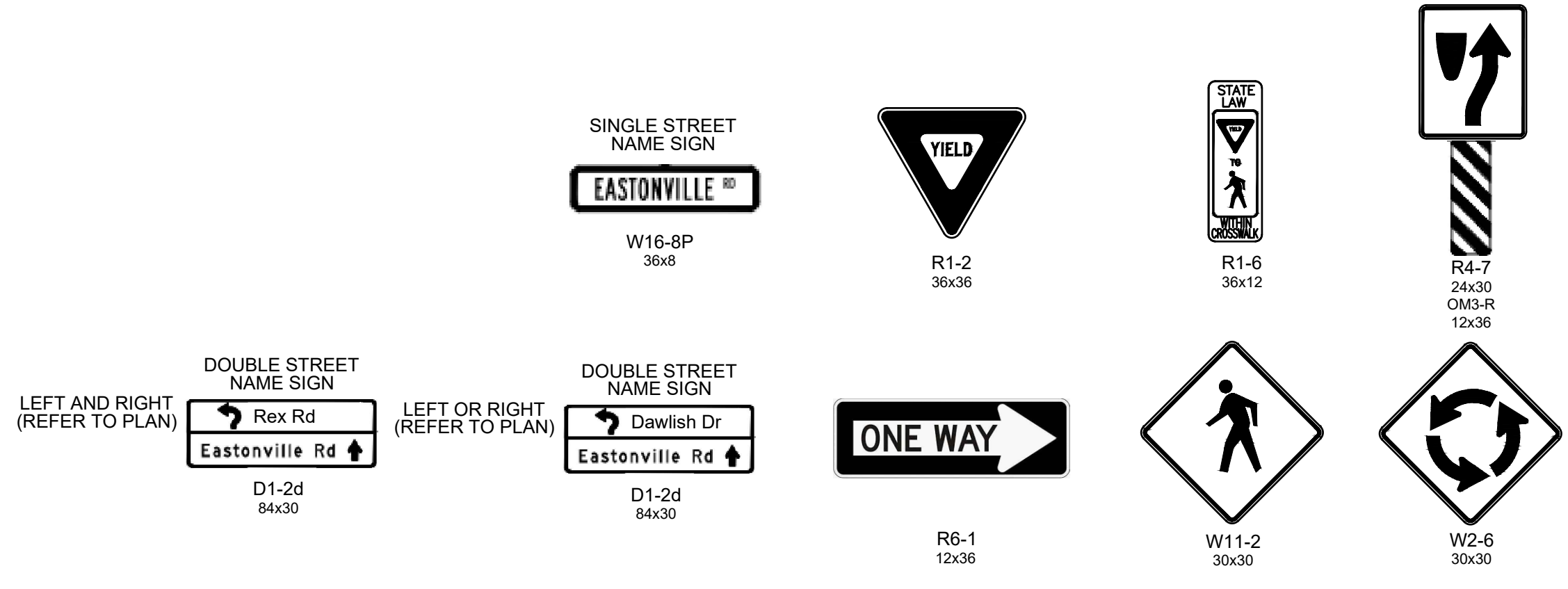


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**SIGNING AND STRIPING NOTES:**

- 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 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 35 MPH OR HIGHER SHALL HAVE 8" UPPER-LOWER CASE LETTERING ON 12" BLANK WITH A WHITE BORDER THAT IS NOT RECESSED. THE WIDTH OF THE NON-RECESSED WHITE BORDERS SHALL MATCH PAGE 255 OF THE 2012 MUTCD "STANDARD HIGHWAY SIGNS". SIGNAL POLE MOUNTED AND OVERHEAD STREET NAME SIGNS SHALL BE PER MUTCD SIZE STANDARDS.
- 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. STOP BARS SHALL BE 24" IN WIDTH. CROSSWALKS LINES SHALL BE 24" WIDE AND A MINIMUM OF 9' LONG.
- WORD AND SYMBOL MARKINGS SHALL BE THE NARROW TYPE.
- 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 (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 DEPARTMENT OF PUBLIC WORKS (DPW) PRIOR TO ANY SIGNAGE OR STRIPING WORK WITHIN AN EXISTING EL PASO COUNTY ROADWAY.



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

**EASTONVILLE ROAD IMPROVEMENTS**  
**DR. HORTON**  
 EL PASO COUNTY, COLORADO

**D-R HORTON**  
*America's Builder*

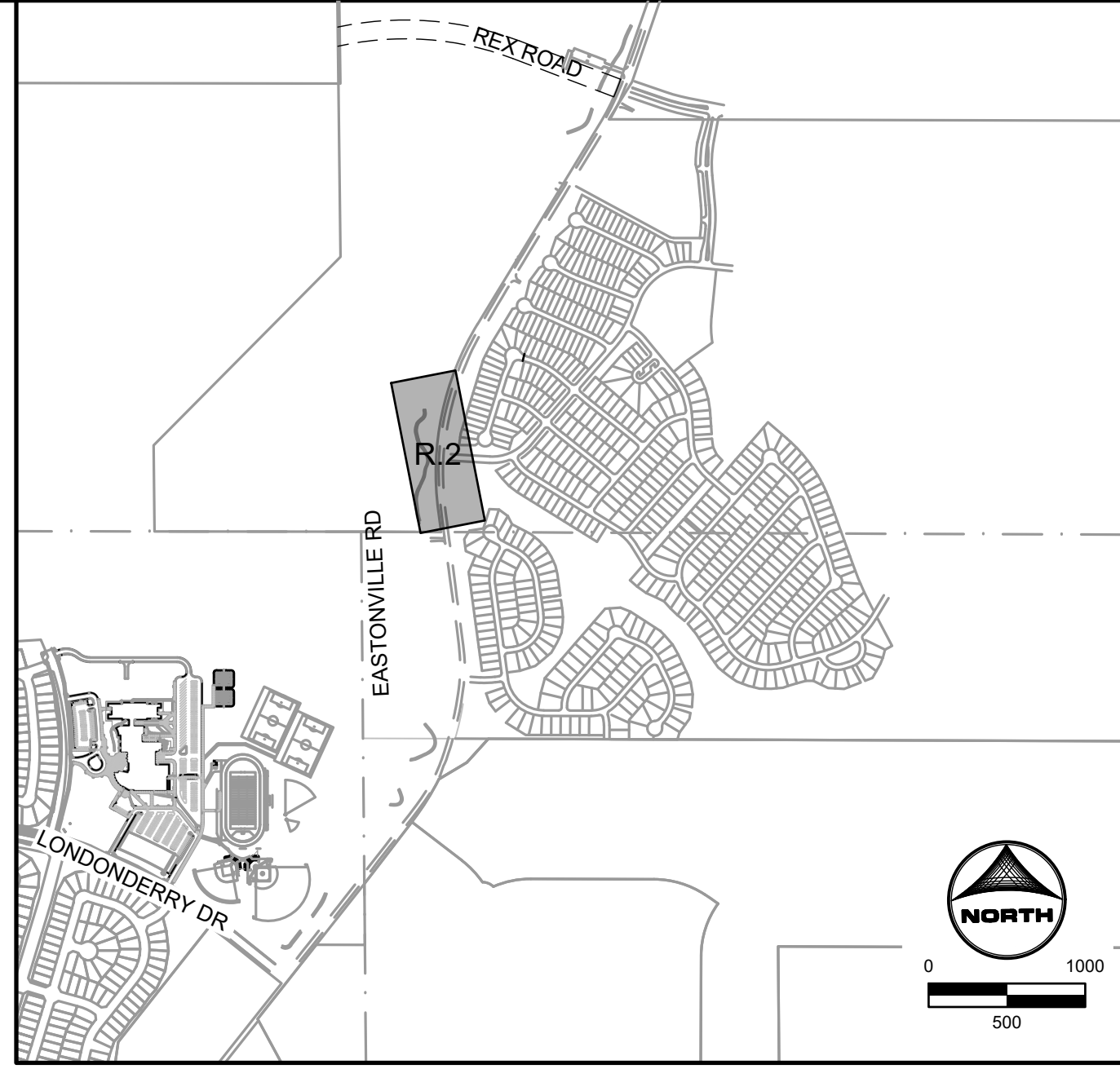
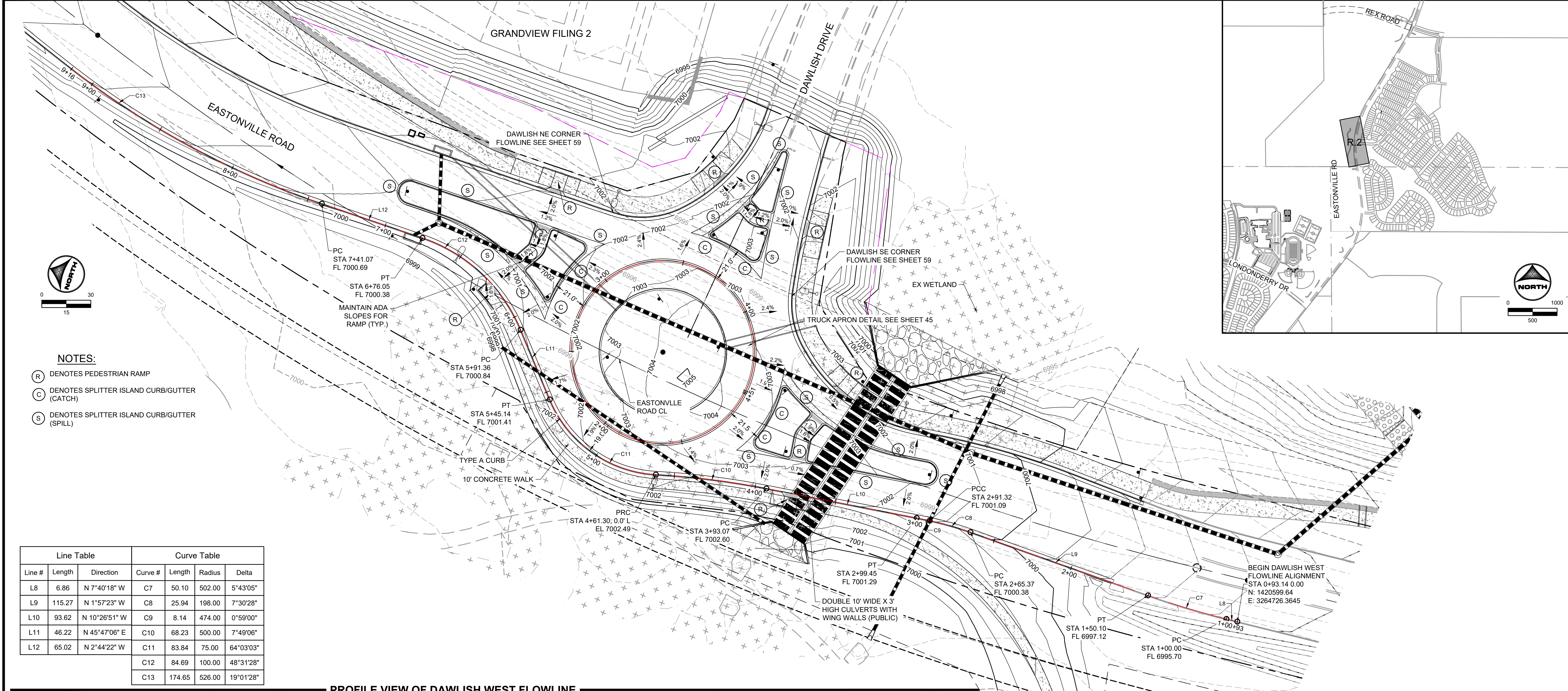
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 DAWLISH ROUNDABOUT SIGNING & STRIPING

SHEET  
**R.1**  
**57**





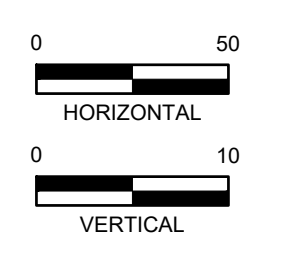
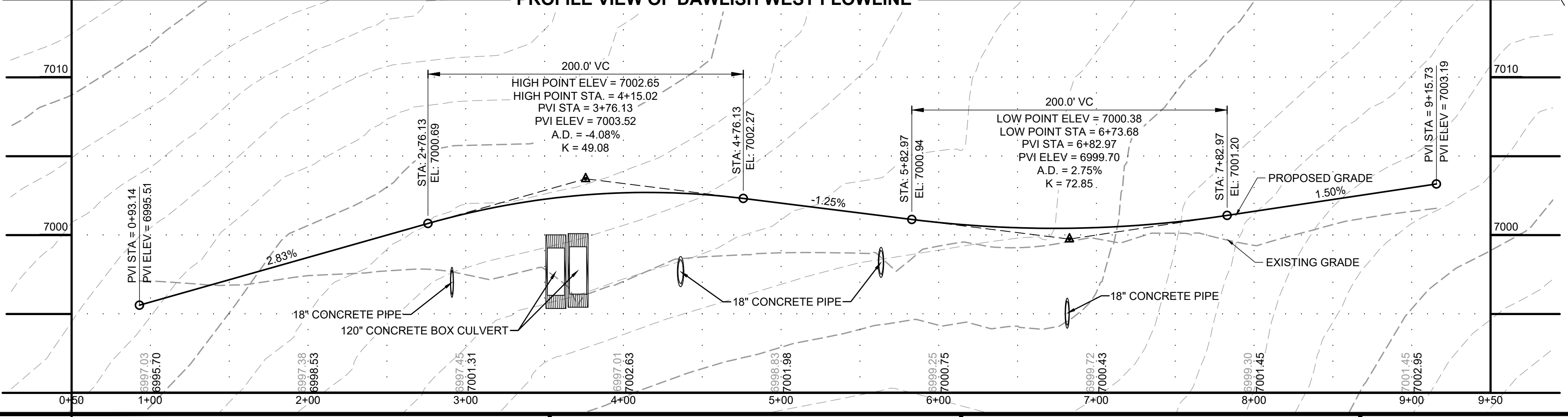
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- NOTES:**
- (R) DENOTES PEDESTRIAN RAMP
  - (C) DENOTES SPLITTER ISLAND CURB/GUTTER (CATCH)
  - (S) DENOTES SPLITTER ISLAND CURB/GUTTER (SPILL)

Line Table			Curve Table			
Line #	Length	Direction	Curve #	Length	Radius	Delta
L8	6.86	N 7°40'18" W	C7	50.10	502.00	5°43'05"
L9	115.27	N 1°57'23" W	C8	25.94	198.00	7°30'28"
L10	93.62	N 10°26'51" W	C9	8.14	474.00	0°59'00"
L11	46.22	N 45°47'06" E	C10	68.23	500.00	7°49'06"
L12	65.02	N 2°44'22" W	C11	83.84	75.00	64°03'03"
			C12	84.69	100.00	48°31'28"
			C13	174.65	526.00	19°01'28"

**PROFILE VIEW OF DAWLISH WEST FLOWLINE**



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 EL PASO COUNTY, COLORADO  
**D-R HORTON**  
*America's Builder*

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 DAWLISH ROUNDABOUT GRADING

SHEET  
**R.2**  
**58**











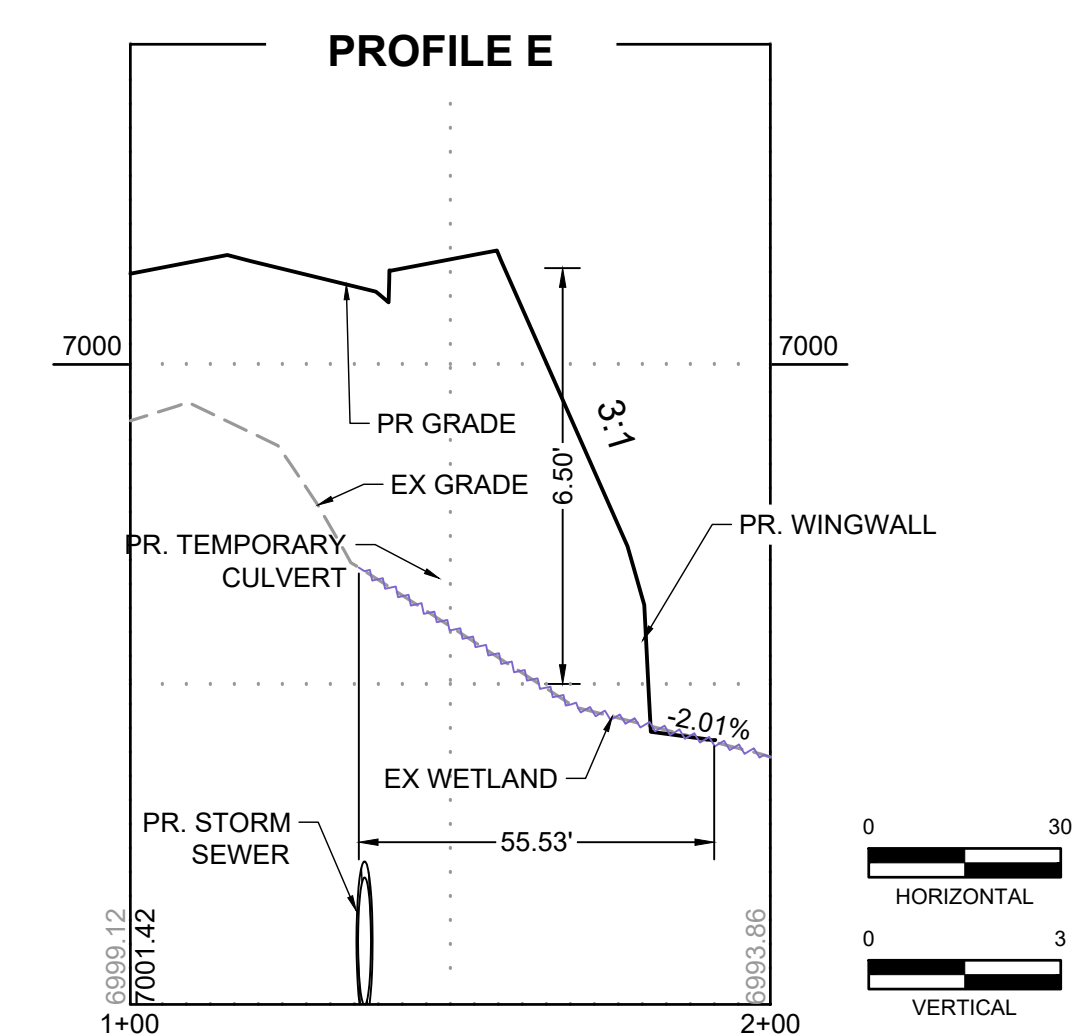
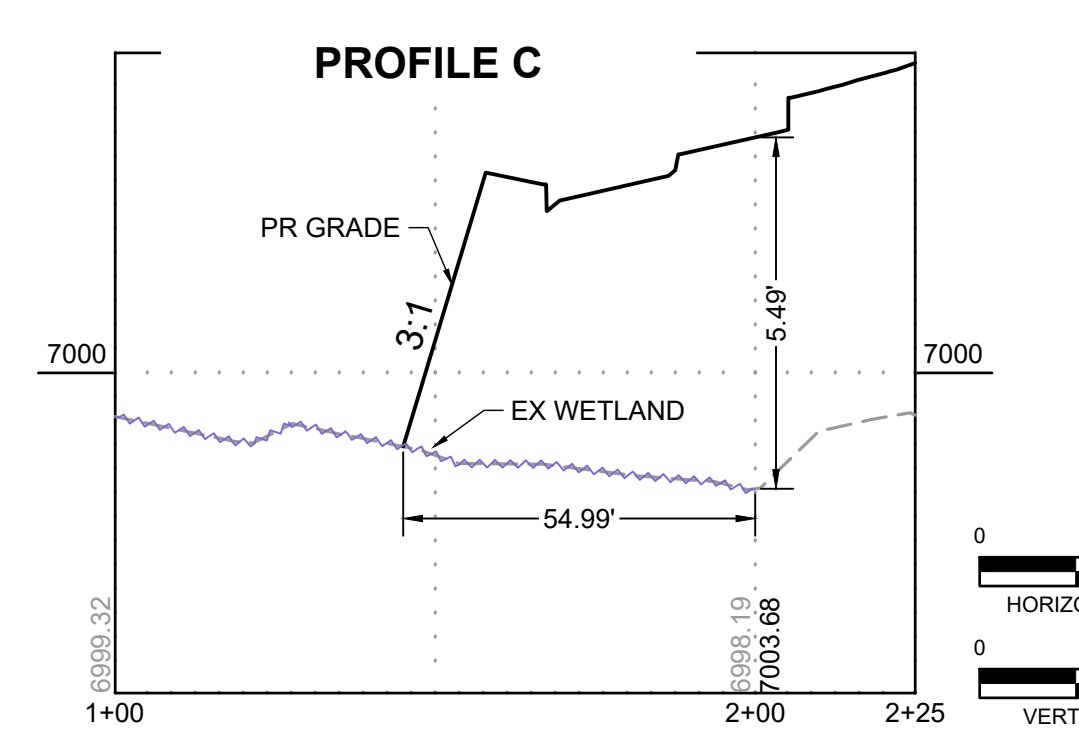
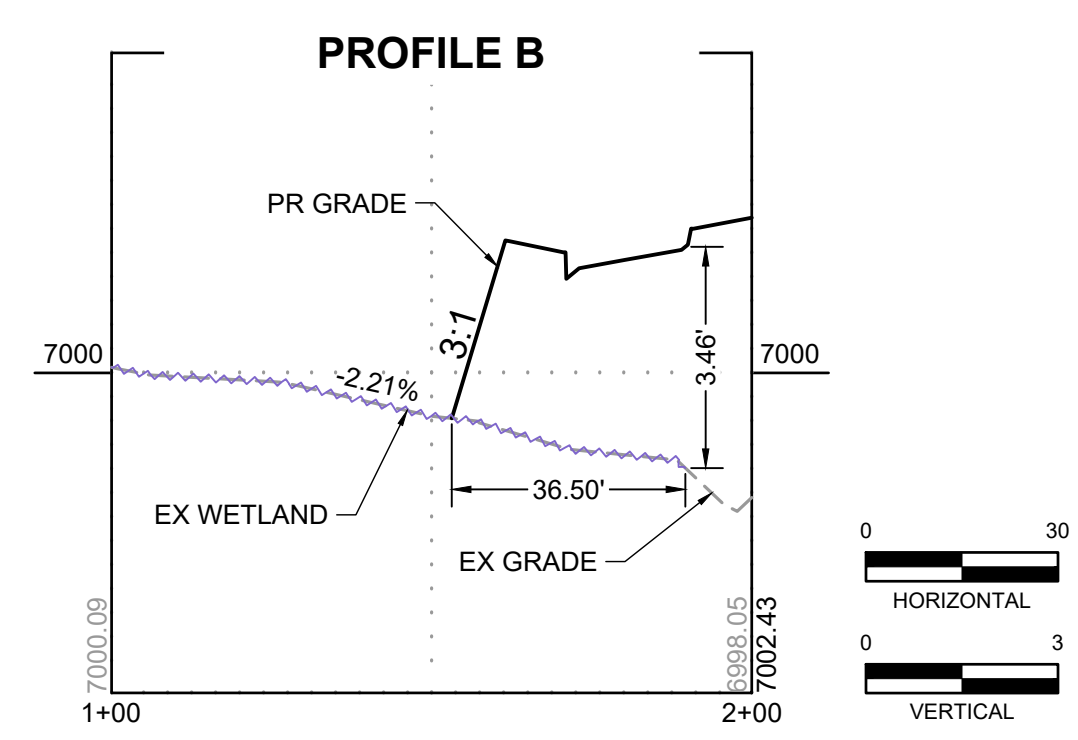
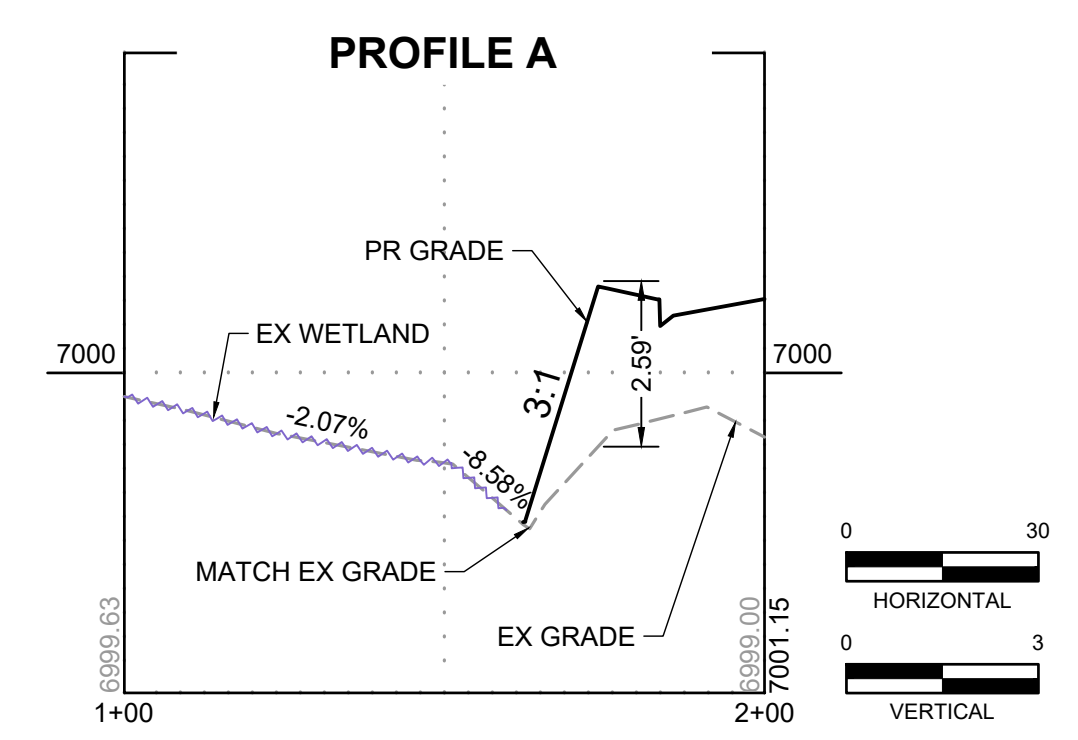
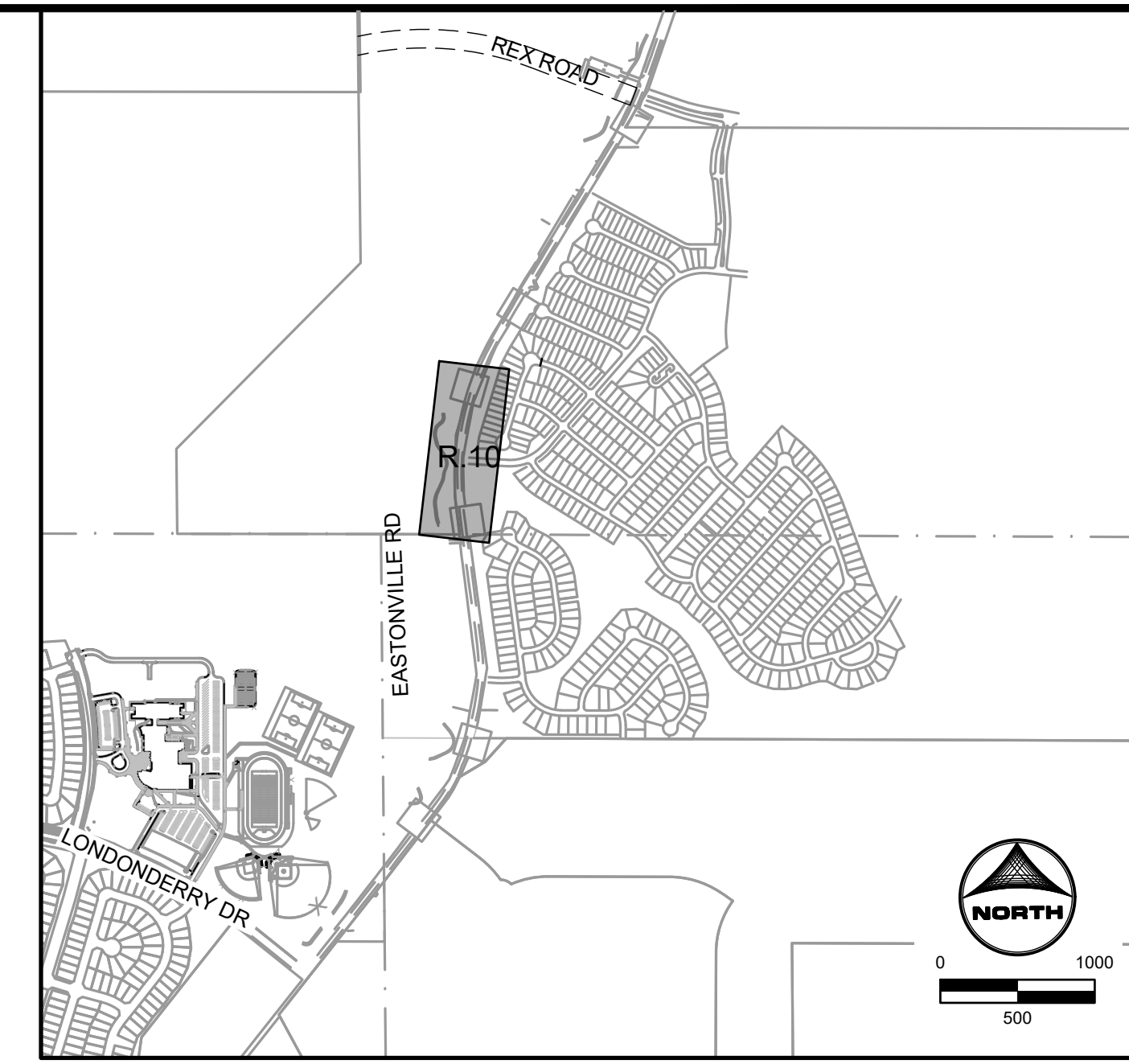
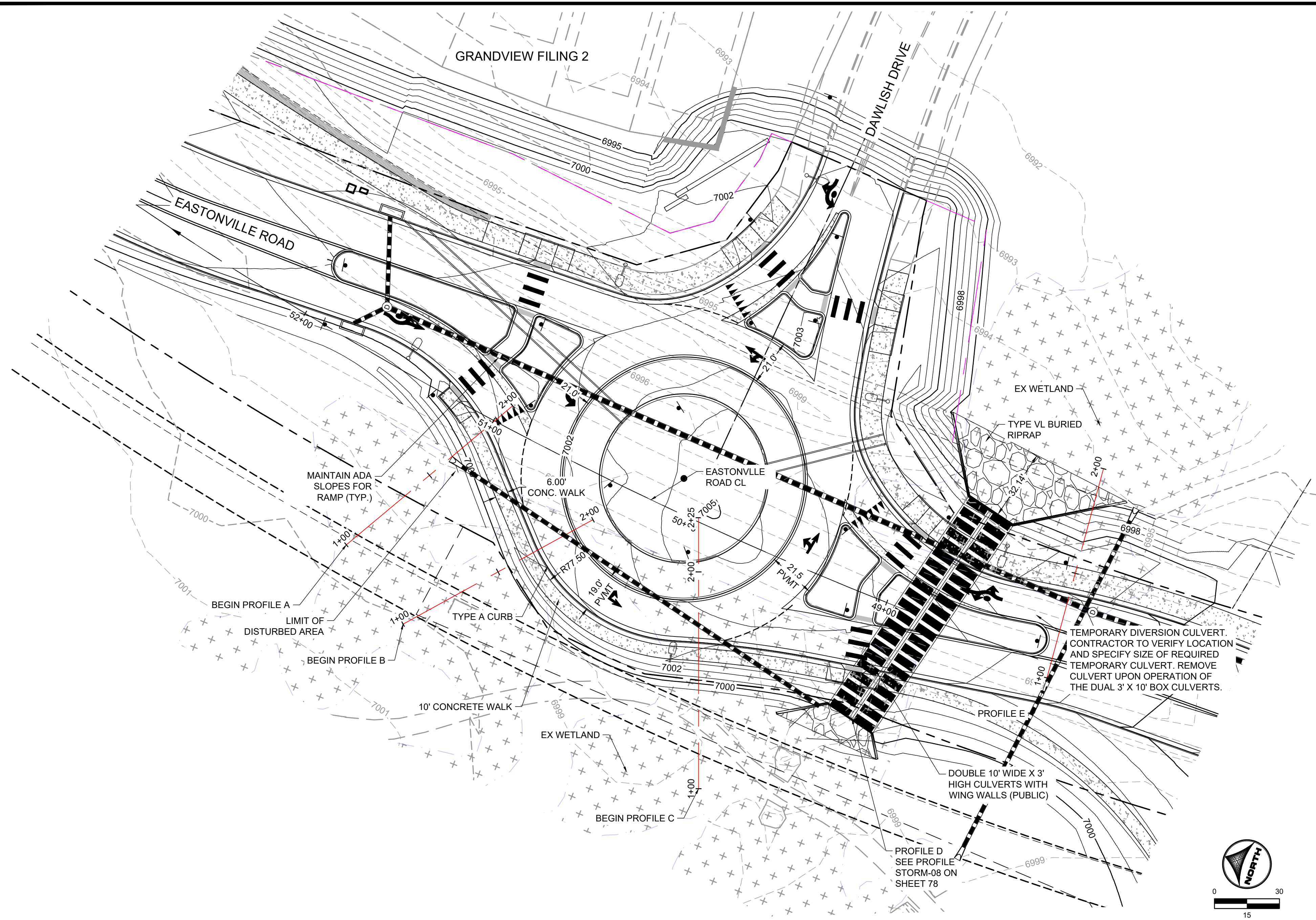








HR GREEN - COLORADO SPRINGS 1975 RESEARCH PARKWAY SUITE 230 COLORADO SPRINGS CO 80920 PHONE: 719.300.4140 FAX: 713.965.0044



SUPPLEMENTAL LEGEND:  
 EXISTING WETLANDS

EDARP FILING NO. CDR2321

DRAWN BY: AXB JOB DATE: 1/20/2025  
 APPROVED: CPM JOB NUMBER: 201662.08  
 CAD DATE: 1/20/2025  
 CAD FILE: J:\2020\201662\CAD\Drawings\Eastonville\_Road\_662.08\Segment\_2\CAD\Road\_CDs\Roundabout

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

**D-R HORTON**  
 America's Builder

FROM GRANDVIEW FILING 1 TO REX RD (SEGMENT 2)  
 DAWLISH CROSS-SECTIONS THRU WETLANDS

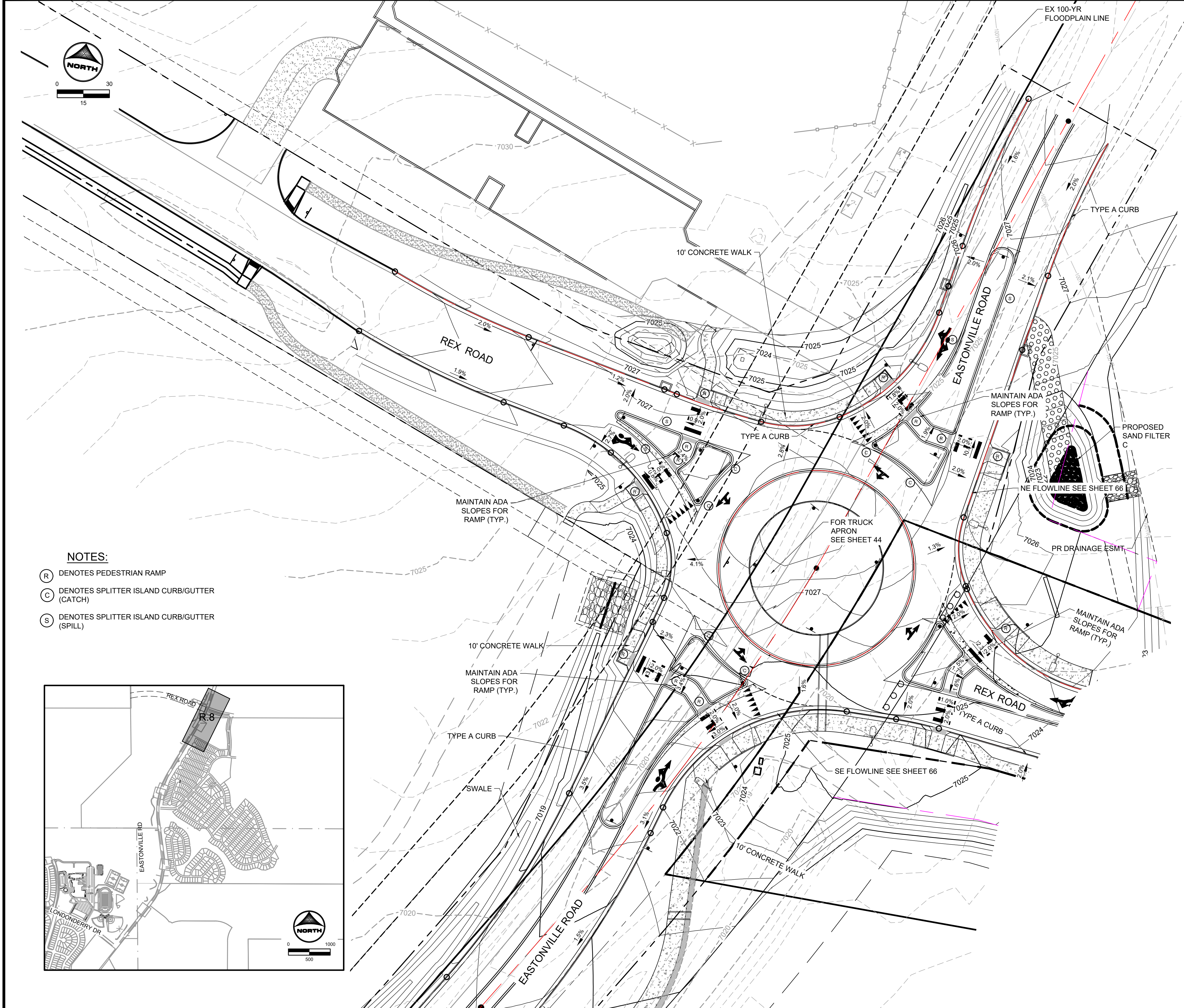
SHEET  
**R.7**  
**63**



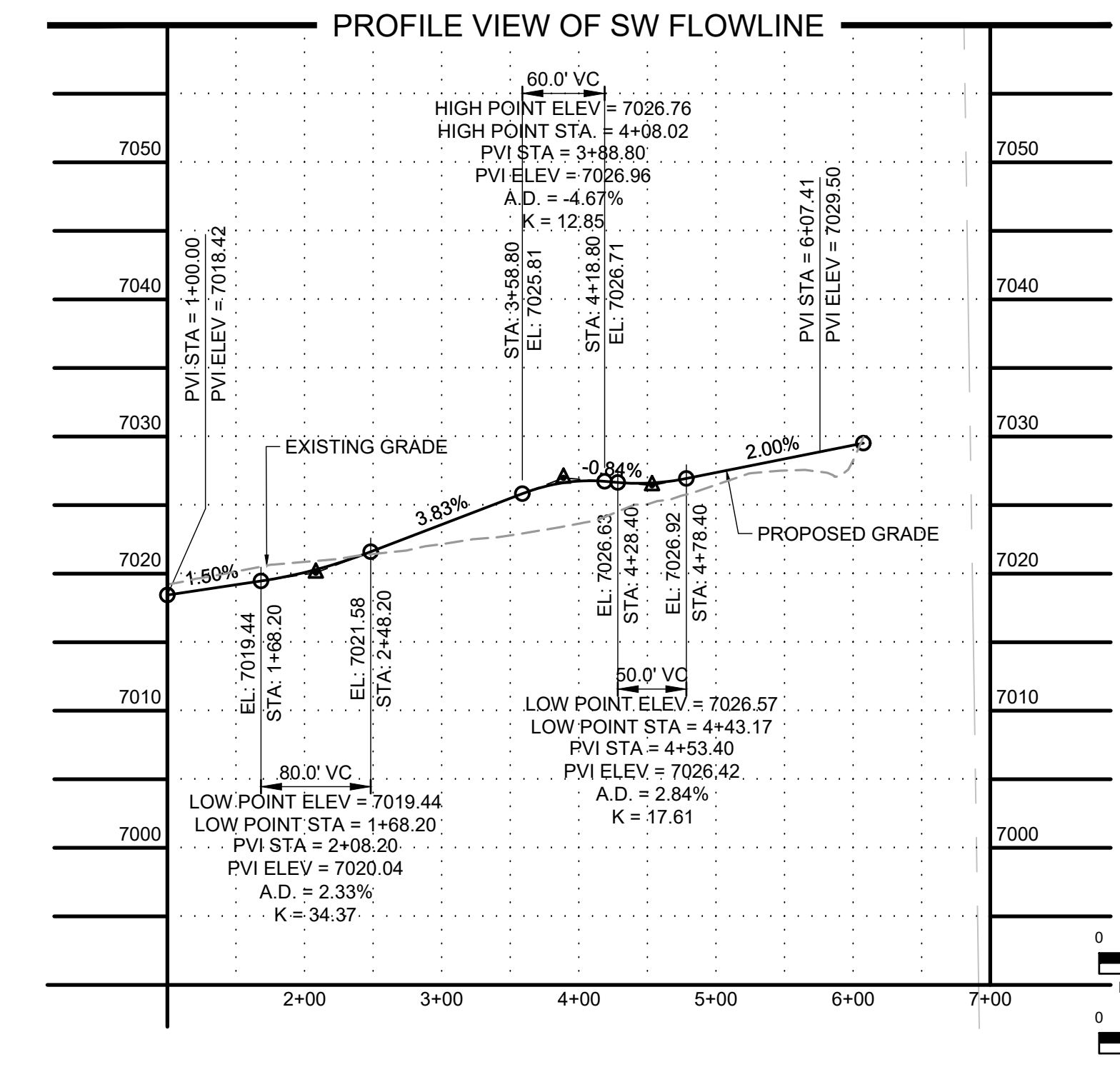
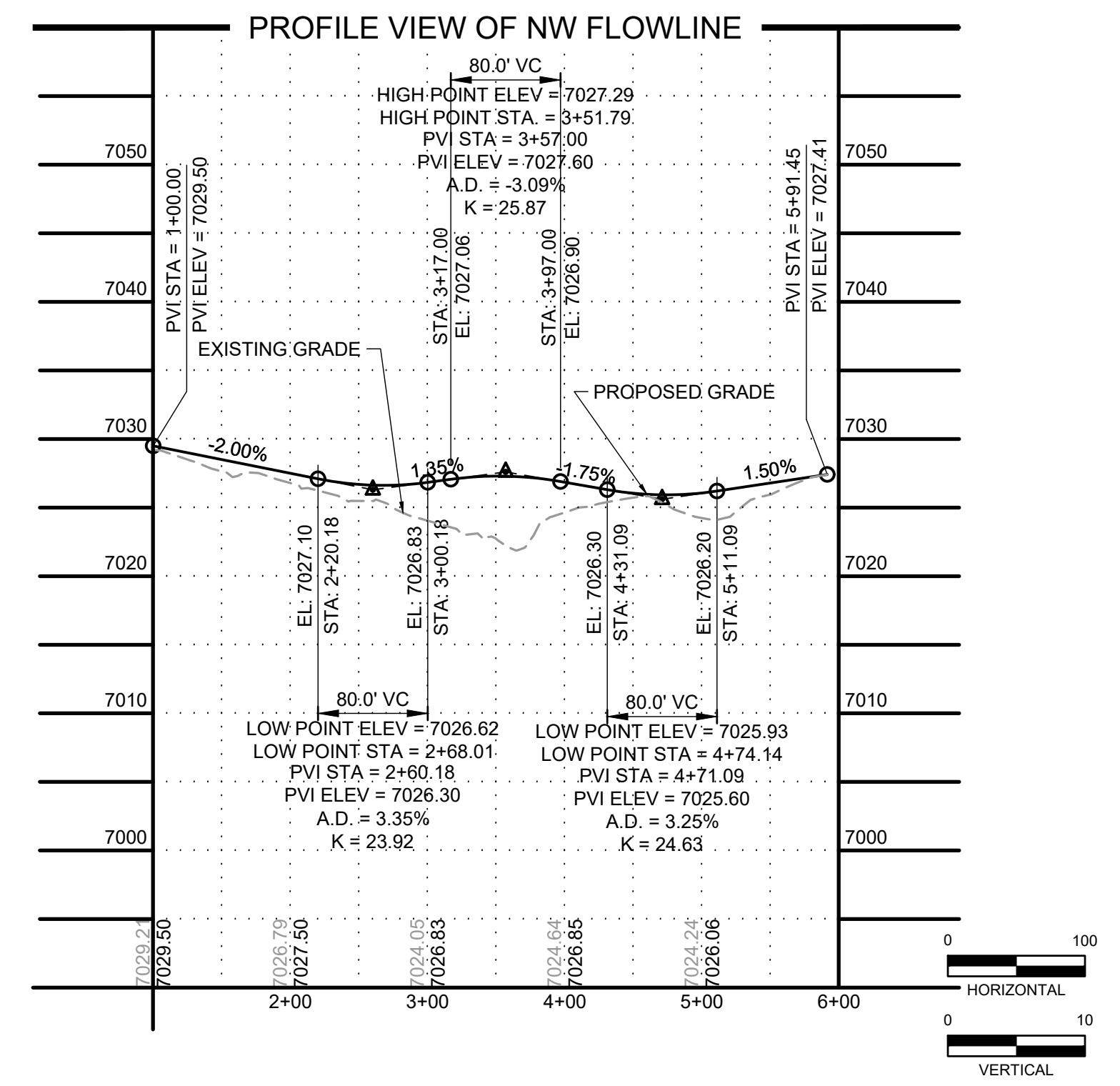
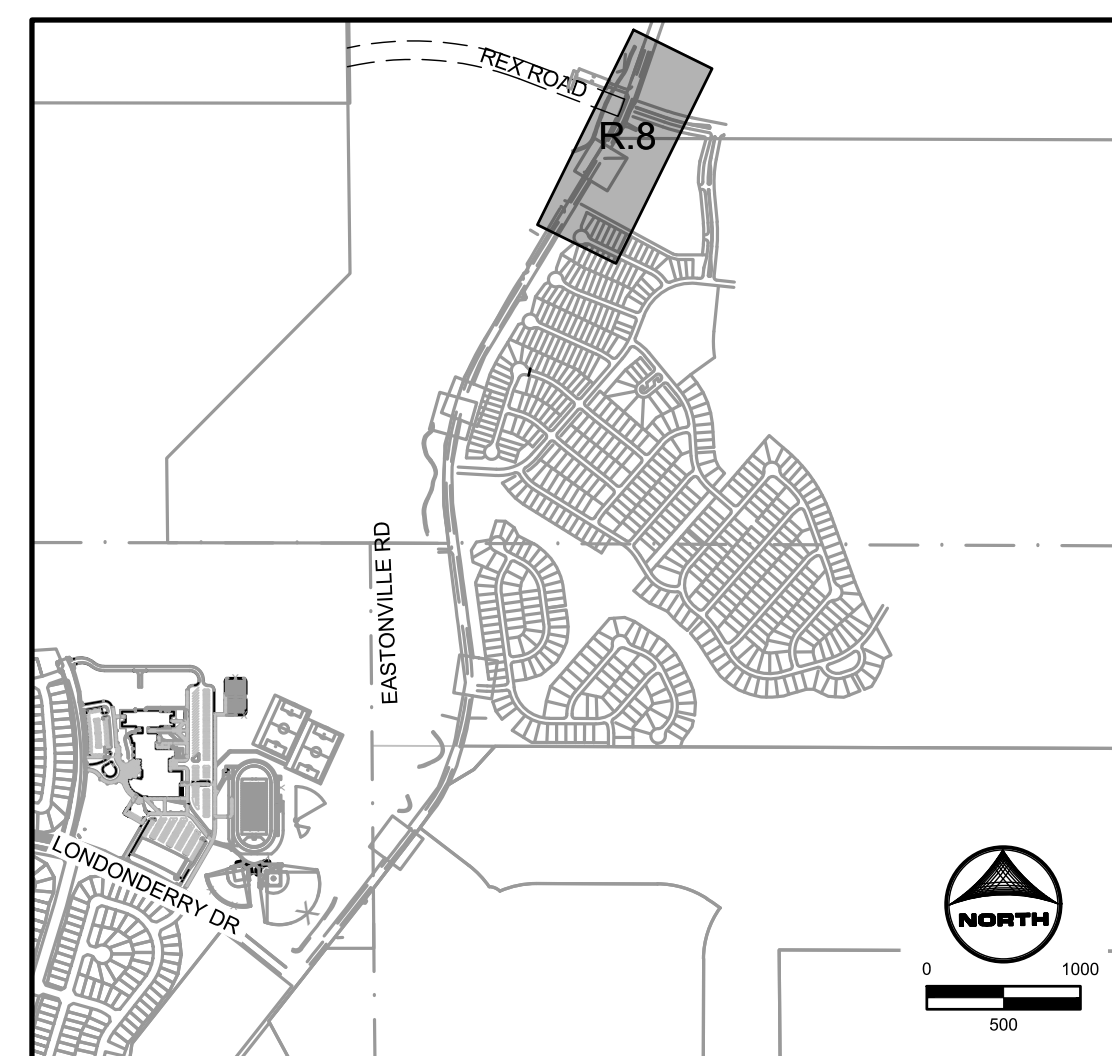




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- NOTES:**
- (R) DENOTES PEDESTRIAN RAMP
  - (C) DENOTES SPLITTER ISLAND CURB/GUTTER (CATCH)
  - (S) DENOTES SPLITTER ISLAND CURB/GUTTER (SPILL)



EDARP FILING NO. CDR2321

DRAWN BY: AXB JOB DATE: 10/30/2024  
 APPROVED: CPM JOB NUMBER: 201662.08  
 CAD DATE: 1/20/2025  
 CAD FILE: J:\2020\201662\CAD\Drawings\CI\Eastonville\_Road\_662.08\Segment\_3\CDI\Road\_CDs\Roundabout\_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  
 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

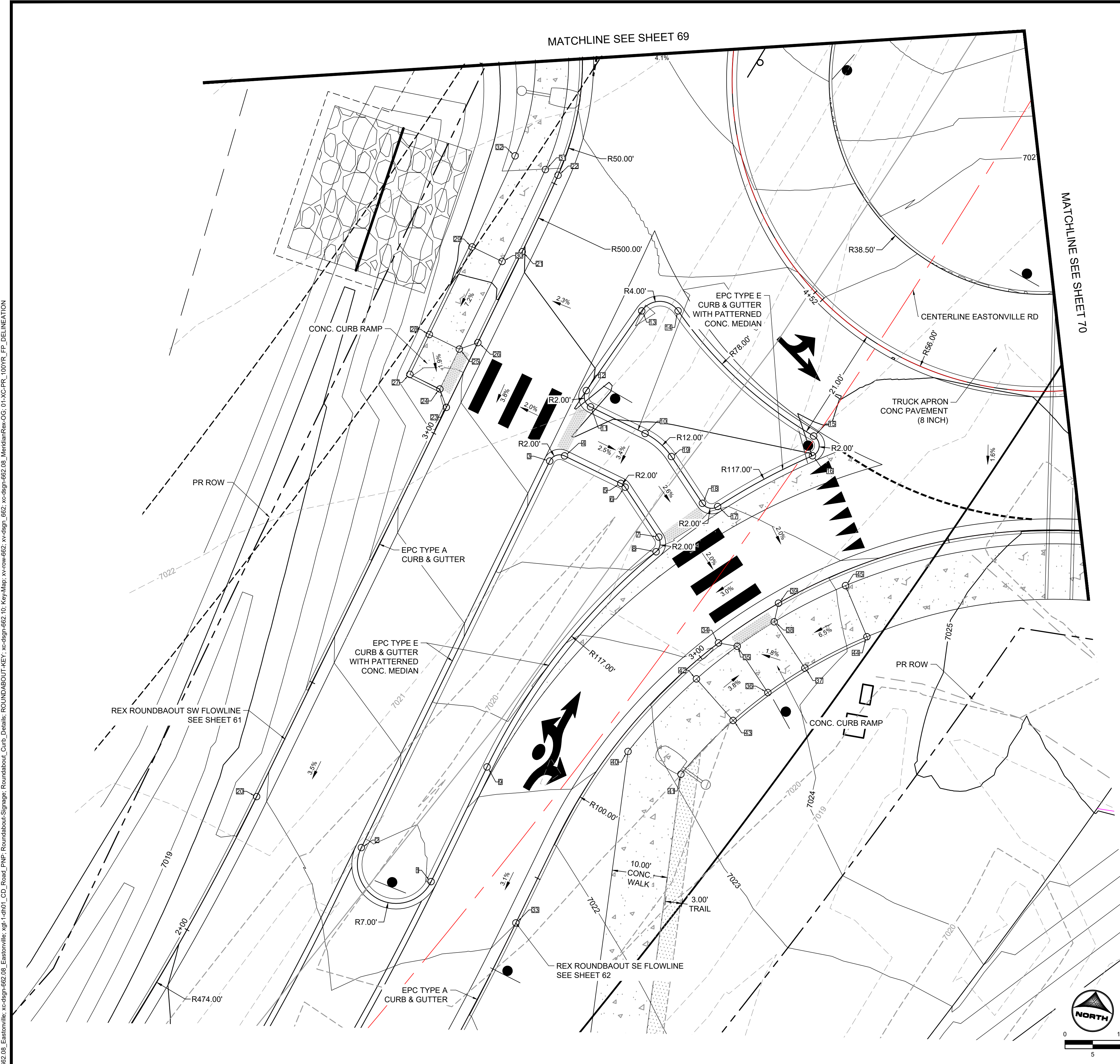
SHEET  
**R.9**  
 65







HR GREEN vfile: xc-row\_662\_08\_Eastonville\_xc-dgn-662\_08\_Roundabout\_Signage\_Roundabout\_Curb\_Details\_ROUNDABOUT-KEY\_xc-dgn-662\_10\_Key-Map\_xv-row-662\_xv-dgn-662\_08\_MeridianRec-OG\_01-XC-PR\_100YR\_FP\_DELINEATION




POINT TABLE

No.	DESC.	ALIGNMENT	STATION	OFFSET	FL EL.
1	PC	Eastonville_Road	STA 74+55.35	8.0' L	7021.54
2	PT	Eastonville_Road	STA 74+52.17	21.6' L	7021.91
3	PC	Eastonville_Road	STA 75+29.98	36.9' L	7024.35
4	PT	Eastonville_Road	STA 75+32.35	35.2' L	7024.86
5	PC	Eastonville_Road	STA 75+34.25	24.1' L	7024.58
6	PT	Eastonville_Road	STA 75+34.14	23.1' L	7024.55
7	PC	Eastonville_Road	STA 75+30.28	12.9' L	7024.24
8	PCC	Eastonville_Road	STA 75+27.81	11.8' L	7023.83
9	PT	Eastonville_Road	STA 74+78.00	12.9' L	7022.23
10	PT	Eastonville_Road	STA 75+44.31	25.7' L	7024.92
11	PC	Eastonville_Road	STA 75+42.55	36.5' L	7024.78
12	PT	Eastonville_Road	STA 75+44.58	38.8' L	7025.03
13	PC	Eastonville_Road	STA 75+62.63	38.7' L	7025.96
14	PCC	Eastonville_Road	STA 75+66.42	33.3' L	7025.80
15	PCC	Eastonville_Road	STA 75+61.36	0.4' L	7024.92
16	PCC	Eastonville_Road	STA 75+58.29	1.4' R	7024.96
17	PCC	Eastonville_Road	STA 75+40.99	7.4' L	7024.40
18	PT	Eastonville_Road	STA 75+39.87	10.0' L	7024.52
19	PC	Eastonville_Road	STA 75+43.61	19.4' L	7024.79
20	PT	ROUNDAOUT REX SW FLOWLINE	STA 2+27.11	0.0'	7020.83
21	PC	ROUNDAOUT REX SW FLOWLINE	STA 3+36.40	0.0'	7024.95
22	PCC	ROUNDAOUT REX SW FLOWLINE	STA 3+51.65	0.0'	7025.54
23	HC RAMP	ROUNDAOUT REX SW FLOWLINE	STA 3+05.18	0.0'	7023.76
24	HC RAMP	ROUNDAOUT REX SW FLOWLINE	STA 3+07.65	2.5' L	7023.90
25	HC RAMP	ROUNDAOUT REX SW FLOWLINE	STA 3+15.65	2.5' L	7024.09
26	HC RAMP	ROUNDAOUT REX SW FLOWLINE	STA 3+18.18	0.0'	7024.24
27	HC RAMP	ROUNDAOUT REX SW FLOWLINE	STA 3+07.65	8.5' L	7024.01
28	HC RAMP	ROUNDAOUT REX SW FLOWLINE	STA 3+15.65	8.5' L	7024.09
29	SIDEWALK	ROUNDAOUT REX SW FLOWLINE	STA 3+33.24	8.5' L	7025.41
30	SIDEWALK	ROUNDAOUT REX SW FLOWLINE	STA 3+33.24	2.5' L	7025.29
31	SIDEWALK	ROUNDAOUT REX SW FLOWLINE	STA 3+51.65	2.5' L	7026.00
32	SIDEWALK	ROUNDAOUT REX SW FLOWLINE	STA 3+51.65	8.5' L	7026.12
33	PC	ROUNDAOUT REX SE FLOWLINE	STA 2+41.05	0.0'	7021.01
34	HC RAMP	ROUNDAOUT REX SE FLOWLINE	STA 3+04.13	0.0'	7023.05
35	HC RAMP	ROUNDAOUT REX SE FLOWLINE	STA 3+06.51	2.5' R	7023.14
36	HC RAMP	ROUNDAOUT REX SE FLOWLINE	STA 3+06.05	12.5' R	7023.28
37	HC RAMP	ROUNDAOUT REX SE FLOWLINE	STA 3+15.19	12.5' R	7023.36
38	HC RAMP	ROUNDAOUT REX SW FLOWLINE	STA 2+96.33	70.1' R	7023.29
39	HC RAMP	ROUNDAOUT REX SE FLOWLINE	STA 3+17.13	0.0'	7023.30
40	SIDEWALK	ROUNDAOUT REX SE FLOWLINE	STA 2+78.38	2.5' R	7022.76
41	SIDEWALK	ROUNDAOUT REX SE FLOWLINE	STA 2+81.42	12.5' R	7023.08
42	SIDEWALK	ROUNDAOUT REX SE FLOWLINE	STA 2+96.85	2.5' R	7023.44
43	SIDEWALK	ROUNDAOUT REX SE FLOWLINE	STA 2+96.85	12.5' R	7023.64
44	SIDEWALK	ROUNDAOUT REX SE FLOWLINE	STA 3+29.53	12.5' R	7024.30
45	SIDEWALK	ROUNDAOUT REX SW FLOWLINE	STA 3+07.84	78.8' R	7024.10



DRAWN BY: AXB      JOB DATE: 10/30/2024      BAR IS ONE INCH ON OFFICIAL DRAWINGS.  
 APPROVED: CPM      JOB NUMBER: 201662.08      0" = 1"  
 CAD DATE: 1/20/2025      IF NOT ONE INCH, ADJUST SCALE ACCORDINGLY.  
 CAD FILE: J:\2020\201662\CAD\Drawings\Eastonville\_Road\_662.08\Segment\_3\CD\Road\_CDs\Roundabout\_Signage\_Roundabout\_Curb\_Details\_ROUNDABOUT-KEY\_xc-dgn-662\_10\_Key-Map\_xv-row-662\_xv-dgn-662\_08\_MeridianRec-OG\_01-XC-PR\_100YR\_FP\_DELINEATION.dwg

NO.	DATE	BY	REVISION DESCRIPTION


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

**EASTONVILLE ROAD IMPROVEMENTS**  
**DR. HORTON**  
 EL PASO COUNTY, COLORADO  


FROM GRANDVIEW FILING 1 TO REX RD (SEGMENT 2)  
 REX ROUNDAOUT DETAILED GRADING I

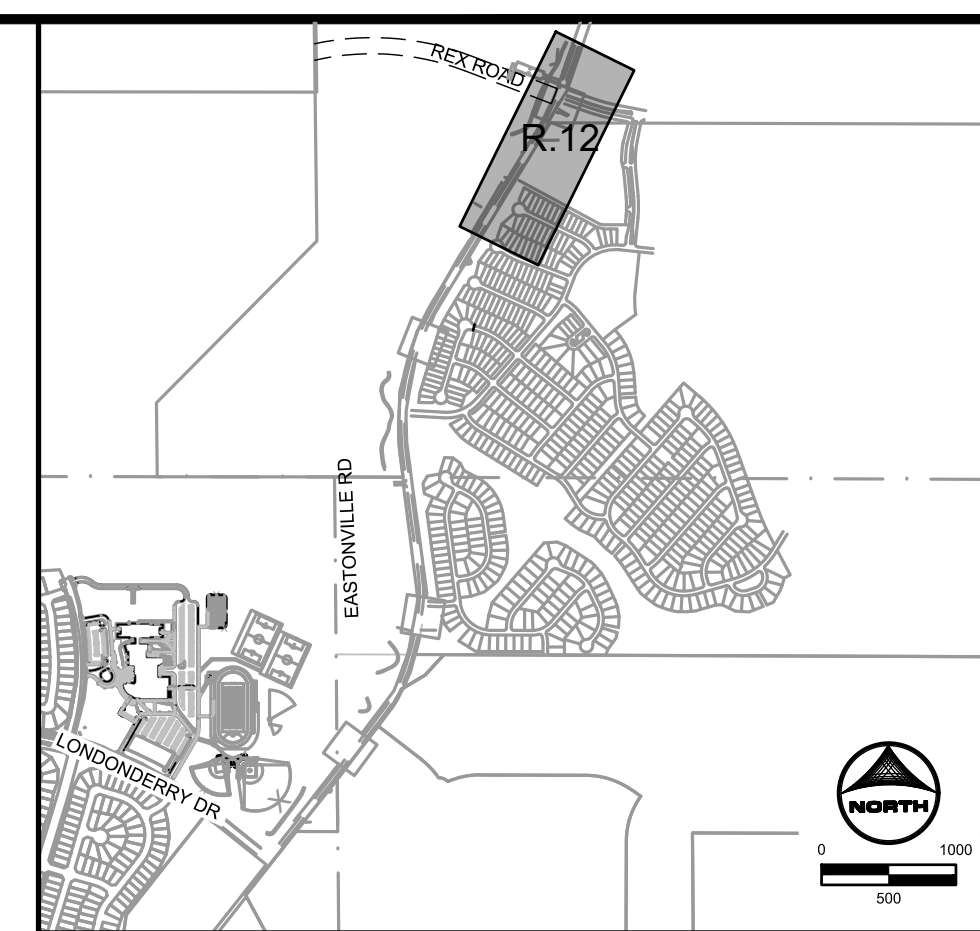
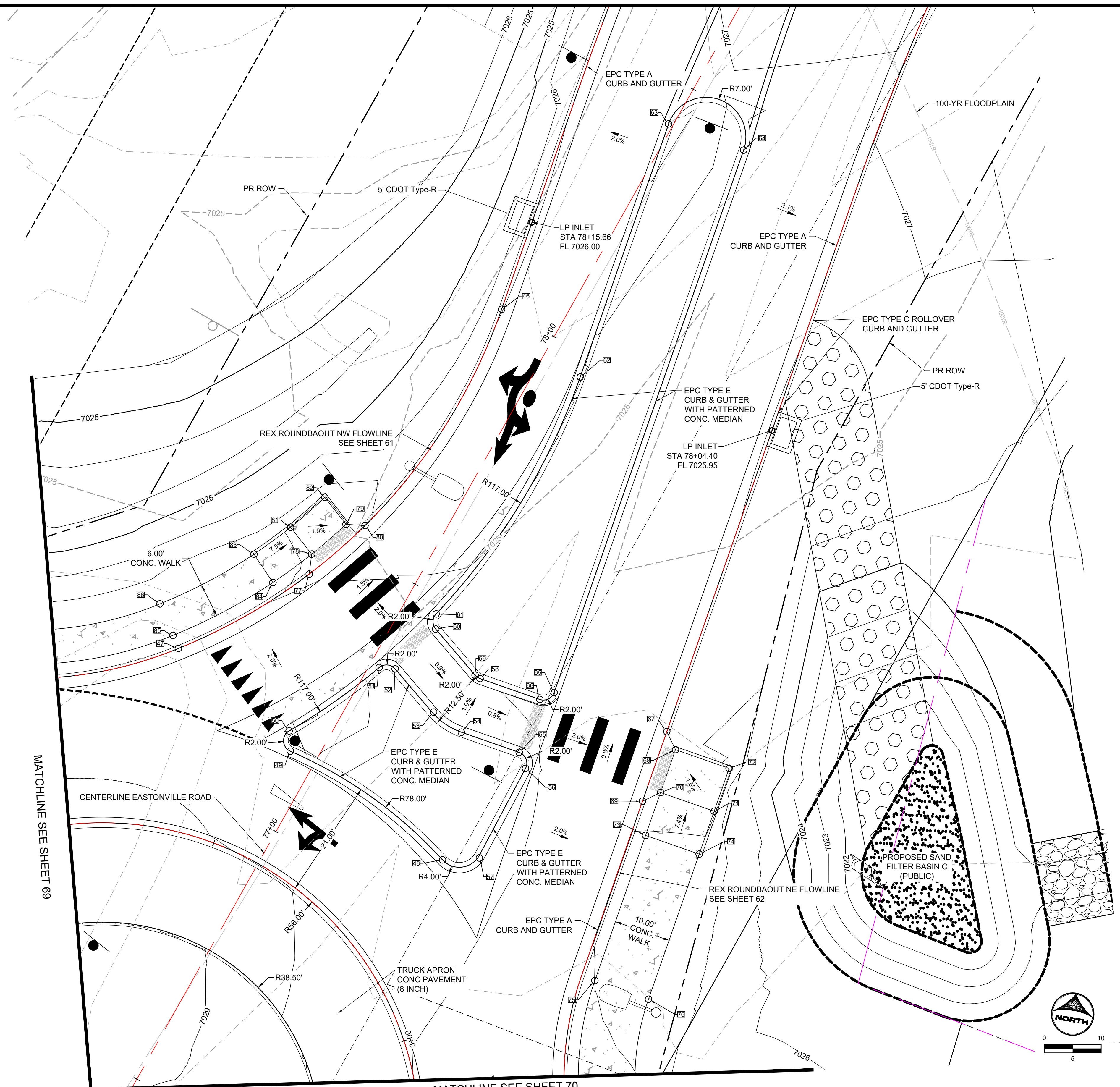
SHEET  
**R.11**      **67**

EDARP FILING NO. CDR2321





HR GREEN vfile: xc:row\_662\_08\_Eastonville\_xc:sign-662\_08\_Roundabout\_Signage\_Roundabout\_Curb\_Details\_ROUNDABOUTKEY\_xc:sign-662\_10\_Key\_Map\_xc:row-662\_xv:sign\_662\_xc:sign-662\_08\_MeridianReco-01-XC-PR\_100YR\_FP\_DELINEATION



POINT TABLE					
No.	DESC.	ALIGNMENT	STATION	OFFSET	FL. EL.
46	PT	ROUNDBAOUT REX NW FLOWLINE	STA 4+58.42	0.0'	7025.98
47	PC	ROUNDBAOUT REX NW FLOWLINE	STA 3+73.35	0.0'	7027.20
48	PCC	ROUNDBAOUT REX NE FLOWLINE	STA 7+38.10	29.8' R	7027.10
49	PCC	ROUNDBAOUT REX NW FLOWLINE	STA 3+82.59	24.7' R	7027.71
50	PCC	ROUNDBAOUT REX NW FLOWLINE	STA 3+83.78	21.4' R	7027.73
51	PCC	ROUNDBAOUT REX NW FLOWLINE	STA 3+99.81	20.6' R	7027.95
52	PT	ROUNDBAOUT REX NW FLOWLINE	STA 4+01.52	22.5' R	7027.73
53	PC	ROUNDBAOUT REX NW FLOWLINE	STA 4+02.01	32.7' R	7027.54
54	PT	ROUNDBAOUT REX NE FLOWLINE	STA 7+60.43	34.1' L	7027.56
55	PC	ROUNDBAOUT REX NE FLOWLINE	STA 7+60.43	23.3' L	7027.45
56	PT	ROUNDBAOUT REX NE FLOWLINE	STA 7+58.13	21.4' L	7027.11
57	PC	ROUNDBAOUT REX NE FLOWLINE	STA 7+40.57	23.8' L	7027.42
58	PC	ROUNDBAOUT REX NE FLOWLINE	STA 7+70.43	34.1' L	7027.42
59	PT	ROUNDBAOUT REX NW FLOWLINE	STA 4+09.38	32.5' R	7027.42
60	PC	ROUNDBAOUT REX NW FLOWLINE	STA 4+09.71	21.8' R	7027.53
61	PCC	ROUNDBAOUT REX NW FLOWLINE	STA 4+11.27	19.9' R	7027.55
62	PT	ROUNDBAOUT REX NW FLOWLINE	STA 4+52.70	17.2' R	7026.55
63	PC	ROUNDBAOUT REX NW FLOWLINE	STA 4+98.94	17.0' R	7026.58
64	PT	ROUNDBAOUT REX NE FLOWLINE	STA 8+73.61	21.0' L	7026.95
65	PC	ROUNDBAOUT REX NE FLOWLINE	STA 7+72.43	21.0' L	7026.98
66	PT	ROUNDBAOUT REX NE FLOWLINE	STA 7+70.43	23.0' L	7027.31
67	HC RAMP	ROUNDBAOUT REX NE FLOWLINE	STA 7+72.47	0.0'	7026.37
68	HC RAMP	ROUNDBAOUT REX NE FLOWLINE	STA 7+69.97	2.5' R	7026.44
69	HC RAMP	ROUNDBAOUT REX NE FLOWLINE	STA 7+59.47	0.0'	7026.49
70	HC RAMP	ROUNDBAOUT REX NE FLOWLINE	STA 7+61.97	2.5' R	7026.52
71	HC RAMP	ROUNDBAOUT REX NE FLOWLINE	STA 7+61.97	12.5' R	7026.63
72	HC RAMP	ROUNDBAOUT REX NE FLOWLINE	STA 7+69.97	12.5' R	7026.51
73	SIDEWALK	ROUNDBAOUT REX NE FLOWLINE	STA 7+53.97	2.5' R	7027.06
74	SIDEWALK	ROUNDBAOUT REX NE FLOWLINE	STA 7+53.97	12.5' R	7027.26
75	SIDEWALK	ROUNDBAOUT REX NE FLOWLINE	STA 7+26.90	2.5' R	7027.00
76	SIDEWALK	ROUNDBAOUT REX NE FLOWLINE	STA 7+26.90	12.5' R	7027.20
77	HC RAMP	ROUNDBAOUT REX NW FLOWLINE	STA 3+99.95	0.0'	7026.85
78	HC RAMP	ROUNDBAOUT REX NW FLOWLINE	STA 4+02.47	2.5' L	7026.85
79	HC RAMP	ROUNDBAOUT REX NW FLOWLINE	STA 4+10.69	2.5' L	7026.71
80	HC RAMP	ROUNDBAOUT REX NW FLOWLINE	STA 4+12.96	0.0'	7026.62
81	HC RAMP	ROUNDBAOUT REX NW FLOWLINE	STA 4+02.54	8.5' L	7026.89
82	HC RAMP	ROUNDBAOUT REX NW FLOWLINE	STA 4+11.29	8.5' L	7026.80
83	SIDEWALK	ROUNDBAOUT REX NW FLOWLINE	STA 3+93.78	8.5' L	7027.53
84	SIDEWALK	ROUNDBAOUT REX NW FLOWLINE	STA 3+93.78	2.5' L	7027.41
85	SIDEWALK	ROUNDBAOUT REX NW FLOWLINE	STA 3+73.35	2.5' L	7027.66
86	SIDEWALK	ROUNDBAOUT REX NW FLOWLINE	STA 3+73.35	8.5' L	7027.78

MATCHLINE SEE SHEET 69

MATCHLINE SEE SHEET 70

DRAWN BY: AXB      JOB DATE: 10/30/2024  
 APPROVED: CPM      JOB NUMBER: 201662.08  
 CAD DATE: 1/20/2025  
 CAD FILE: J:\2020\201662\CAD\Drawings\Eastonville\_Road\_662.08\Segment\_3\CD\Road\_CDs\Roundabout

BAR IS ONE INCH ON  
 OFFICIAL DRAWINGS:  
 0" = 1"

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  
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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)  
 REX ROUNDABOUT DETAILED GRADING I

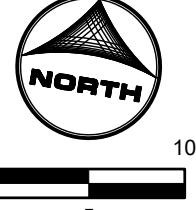
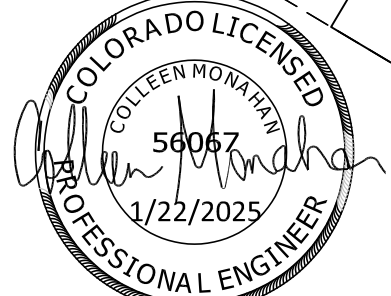
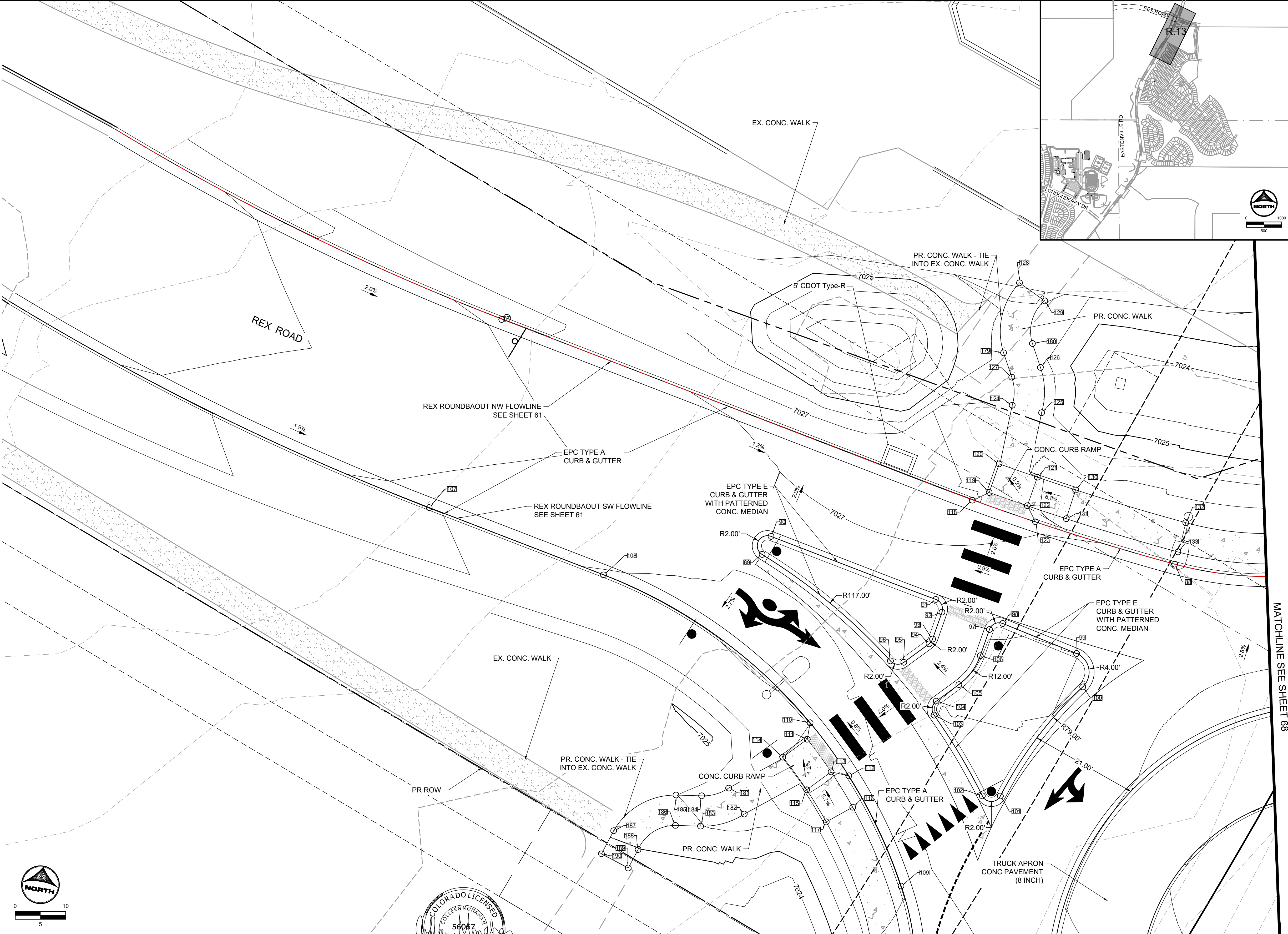
SHEET  
**R.12**      **68**

EDARP FILING NO. CDR2321





POINT TABLE					
No.	DESC.	ALIGNMENT	STATION	OFFSET	FL EL.
87	PT	ROUNDBABOUT REX NW FLOWLINE	STA 1+85.51	0.1' R	7027.80
88	PC	ROUNDBABOUT REX NW FLOWLINE	STA 3+27.33	0.0'	7027.18
89	PC	ROUNDBABOUT REX SW FLOWLINE	STA 4+54.05	18.4' R	7027.16
90	PT	ROUNDBABOUT REX NW FLOWLINE	STA 2+50.70	21.0' R	7027.35
91	PC	ROUNDBABOUT REX NW FLOWLINE	STA 2+85.28	21.0' R	7027.29
92	PT	ROUNDBABOUT REX NW FLOWLINE	STA 2+87.19	23.0' R	7027.66
93	PC	ROUNDBABOUT REX NW FLOWLINE	STA 2+87.24	28.6' R	7027.73
94	PT	ROUNDBABOUT REX SW FLOWLINE	STA 4+24.55	28.1' R	7027.77
95	PC	ROUNDBABOUT REX SW FLOWLINE	STA 4+24.74	22.0' R	7027.69
96	PCC	ROUNDBABOUT REX SW FLOWLINE	STA 4+26.30	20.1' R	7027.65
97	PC	ROUNDBABOUT REX NW FLOWLINE	STA 2+96.75	23.1' R	7027.79
98	PT	ROUNDBABOUT REX NW FLOWLINE	STA 2+98.78	21.1' R	7027.43
99	PC	ROUNDBABOUT REX NW FLOWLINE	STA 3+13.85	22.4' R	7027.67
100	PCC	ROUNDBABOUT REX NW FLOWLINE	STA 3+16.77	28.4' R	7027.58
101	PCC	ROUNDBABOUT REX SW FLOWLINE	STA 3+98.29	24.7' R	7027.76
102	PT	ROUNDBABOUT REX SW FLOWLINE	STA 3+99.48	21.5' R	7027.36
103	PC	ROUNDBABOUT REX SW FLOWLINE	STA 4+14.86	20.7' R	7027.81
104	PT	ROUNDBABOUT REX SW FLOWLINE	STA 4+16.56	22.6' R	7027.89
105	PC	ROUNDBABOUT REX SW FLOWLINE	STA 4+16.74	28.1' R	7028.02
106	PT	ROUNDBABOUT REX NW FLOWLINE	STA 2+96.70	28.6' R	7027.89
107	PT	ROUNDBABOUT REX SW FLOWLINE	STA 5+14.81	0.0'	7027.65
108	PT	ROUNDBABOUT REX SW FLOWLINE	STA 4+77.80	0.0' L	7027.00
109	PC	ROUNDBABOUT REX SW FLOWLINE	STA 3+89.73	0.0' L	7026.69
110	HC RAMP	ROUNDBABOUT REX SW FLOWLINE	STA 4+26.96	0.0'	7026.64
111	HC RAMP	ROUNDBABOUT REX SW FLOWLINE	STA 4+24.75	2.5' L	7026.81
112	HC RAMP	ROUNDBABOUT REX SW FLOWLINE	STA 4+13.94	0.0'	7026.74
113	HC RAMP	ROUNDBABOUT REX SW FLOWLINE	STA 4+16.54	2.5' L	7026.91
114	HC RAMP	ROUNDBABOUT REX SW FLOWLINE	STA 4+25.02	8.5' L	7026.89
115	HC RAMP	ROUNDBABOUT REX SW FLOWLINE	STA 4+16.27	8.5' L	7026.94
116	SIDEWALK	ROUNDBABOUT REX SW FLOWLINE	STA 4+08.13	2.5' L	7027.25
117	SIDEWALK	ROUNDBABOUT REX SW FLOWLINE	STA 4+08.13	8.5' L	7027.49
118	SIDEWALK	ROUNDBABOUT REX NW FLOWLINE	STA 2+85.34	0.1' R	7026.69
119	SIDEWALK	ROUNDBABOUT REX NW FLOWLINE	STA 2+87.95	2.5' L	7026.75
120	SIDEWALK	ROUNDBABOUT REX NW FLOWLINE	STA 2+87.90	8.5' L	7026.82
121	SIDEWALK	ROUNDBABOUT REX NW FLOWLINE	STA 2+96.04	8.5' L	7026.92
122	SIDEWALK	ROUNDBABOUT REX NW FLOWLINE	STA 2+95.99	2.5' L	7026.83
123	SIDEWALK	ROUNDBABOUT REX NW FLOWLINE	STA 2+98.54	0.0' L	7026.81
124	SIDEWALK	ROUNDBABOUT REX NW FLOWLINE	STA 2+86.35	20.3' L	7026.64
125	SIDEWALK	ROUNDBABOUT REX NW FLOWLINE	STA 2+92.58	20.8' L	7026.64
126	SIDEWALK	ROUNDBABOUT REX NW FLOWLINE	STA 2+89.21	29.2' L	7026.51
127	SIDEWALK	ROUNDBABOUT REX NW FLOWLINE	STA 2+84.27	25.5' L	7026.56
128	SIDEWALK	ROUNDBABOUT REX NW FLOWLINE	STA 2+78.80	43.5' L	???
129	SIDEWALK	ROUNDBABOUT REX NW FLOWLINE	STA 2+85.30	41.9' L	7025.96
130	SIDEWALK	ROUNDBABOUT REX NW FLOWLINE	STA 3+04.18	8.5' L	7027.46
131	SIDEWALK	ROUNDBABOUT REX NW FLOWLINE	STA 3+04.15	2.5' L	7027.34
132	SIDEWALK	ROUNDBABOUT REX NW FLOWLINE	STA 3+27.33	8.5' L	7027.76
133	SIDEWALK	ROUNDBABOUT REX NW FLOWLINE	STA 3+27.33	2.5' L	7027.64
179	SIDEWALK	ROUNDBABOUT REX NW FLOWLINE	STA 2+80.88	29.4' L	7026.35
180	SIDEWALK	ROUNDBABOUT REX NW FLOWLINE	STA 2+85.91	33.1' L	7026.32
181	SIDEWALK	ROUNDBABOUT REX SW FLOWLINE	STA 4+27.45	20.7' L	7026.63
182	SIDEWALK	ROUNDBABOUT REX SW FLOWLINE	STA 4+19.90	21.4' L	7026.58
183	SIDEWALK	ROUNDBABOUT REX SW FLOWLINE	STA 4+24.34	29.7' L	7025.95
184	SIDEWALK	ROUNDBABOUT REX SW FLOWLINE	STA 4+30.50	25.7' L	7026.29
185	SIDEWALK	ROUNDBABOUT REX SW FLOWLINE	STA 4+35.46	29.3' L	7025.99
186	SIDEWALK	ROUNDBABOUT REX SW FLOWLINE	STA 4+29.16	33.5' L	7025.61
187	SIDEWALK	ROUNDBABOUT REX SW FLOWLINE	STA 4+41.87	42.9' L	7025.09
188	SIDEWALK	ROUNDBABOUT REX SW FLOWLINE	STA 4+31.34	42.2' L	7024.98
189	SIDEWALK	ROUNDBABOUT REX SW FLOWLINE	STA 4+28.73	46.1' L	???
190	SIDEWALK	ROUNDBABOUT REX SW FLOWLINE	STA 4+39.51	47.9' L	7024.78



MATCHLINE SEE SHEET 67  
EDARP FILING NO. CDR2321

DRAWN BY: AXB JOB DATE: 10/30/2024  
 APPROVED: CPM JOB NUMBER: 201662.08  
 CAD DATE: 1/20/2025  
 CAD FILE: J:\2020\201662\CAD\Drawings\Eastonville\_Road\_662.08\Segment\_3\CD\Road\_CDs\Roundabout

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

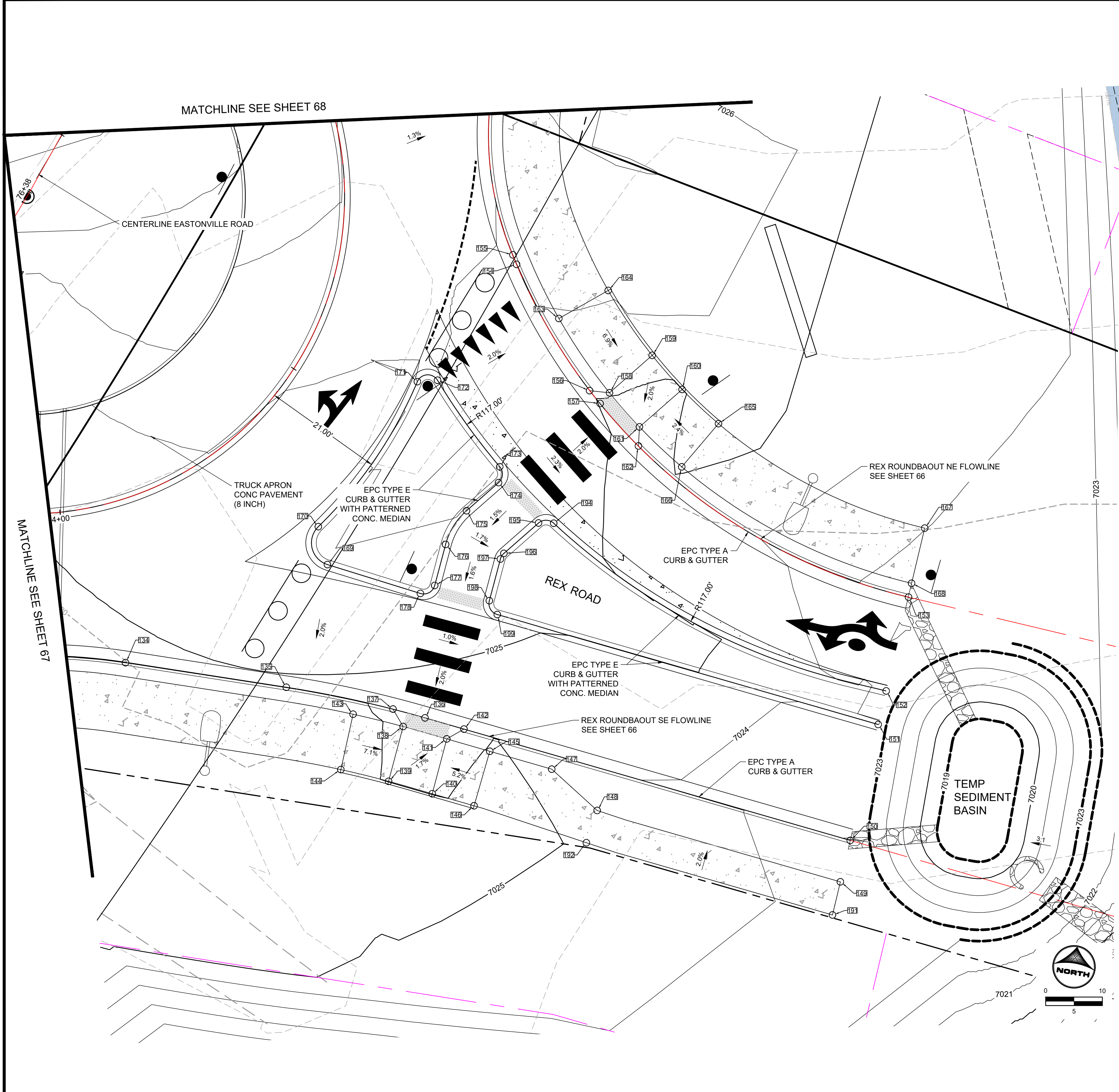


FROM GRANDVIEW FILING 1 TO REX RD (SEGMENT 2)  
 REX ROUNDABOUT DETAILED GRADING II

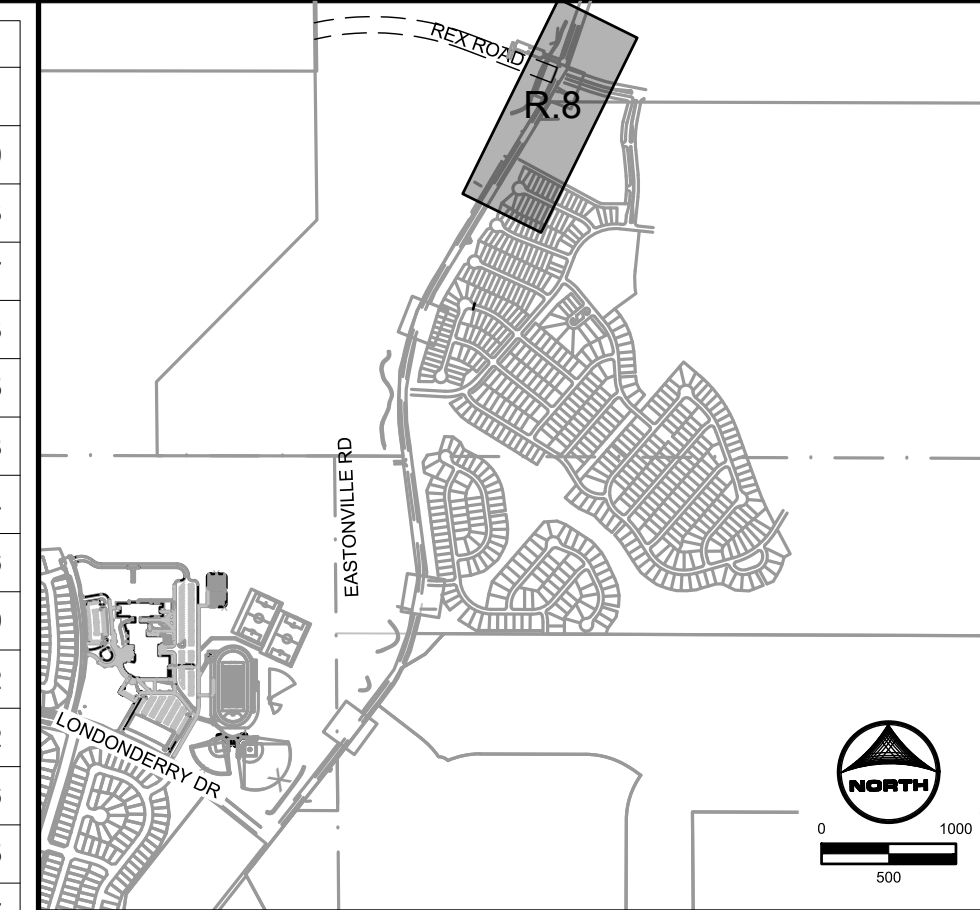
SHEET  
**R.13**  
 69



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



POINT TABLE					
No.	DESC.	ALIGNMENT	STATION	OFFSET	FL EL.
134	PT	ROUNDABOUT REX SE FLOWLINE	STA 3+84.51	0.1' R	7025.00
135	PC	ROUNDABOUT REX SE FLOWLINE	STA 4+13.19	0.0'	7024.83
136	PT	ROUNDABOUT REX SE FLOWLINE	STA 4+38.25	0.0'	7024.67
137	HC RAMP	ROUNDABOUT REX SE FLOWLINE	STA 4+32.40	0.0' L	7024.73
138	HC RAMP	ROUNDABOUT REX SE FLOWLINE	STA 4+34.92	2.5' R	7024.75
139	HC RAMP	ROUNDABOUT REX SE FLOWLINE	STA 4+34.97	12.5' R	7024.88
140	HC RAMP	ROUNDABOUT REX SE FLOWLINE	STA 4+43.18	12.5' R	7024.84
141	HC RAMP	ROUNDABOUT REX SE FLOWLINE	STA 4+42.97	2.5' R	7024.66
142	HC RAMP	ROUNDABOUT REX SE FLOWLINE	STA 4+45.40	0.0'	7024.59
143	SIDEWALK	ROUNDABOUT REX SE FLOWLINE	STA 4+25.72	2.5' R	7025.32
144	SIDEWALK	ROUNDABOUT REX SE FLOWLINE	STA 4+25.72	12.5' R	7025.52
145	SIDEWALK	ROUNDABOUT REX SE FLOWLINE	STA 4+50.86	2.5' R	7025.06
146	SIDEWALK	ROUNDABOUT REX SE FLOWLINE	STA 4+50.86	12.5' R	7025.25
147	SIDEWALK	ROUNDABOUT REX SE FLOWLINE	STA 4+62.23	2.5' R	7024.87
148	SIDEWALK	ROUNDABOUT REX SE FLOWLINE	STA 4+71.93	7.3' R	7024.77
149	SIDEWALK	ROUNDABOUT REX SE FLOWLINE	STA 5+16.63	7.5' R	7023.52
150	END TYPE 2 C&G	ROUNDABOUT REX SE FLOWLINE	STA 5+16.28	0.0'	7023.38
151	END TYPE 2 C&G	Eastonville_Road	STA 76+34.87	176.6' R	7023.59
152	END TYPE 2 C&G	Eastonville_Road	STA ???	???' ???	7023.32
153	END TYPE 2 C&G	ROUNDABOUT REX SE FLOWLINE	STA 5+14.28	44.1' L	7023.27
154	PT	ROUNDABOUT REX NE FLOWLINE	STA 6+84.82	0.0'	7025.72
155	PC	ROUNDABOUT REX NE FLOWLINE	STA 6+86.61	0.1' R	7026.00
156	HC RAMP	ROUNDABOUT REX NE FLOWLINE	STA 6+59.03	0.0' L	7025.05
157	HC RAMP	ROUNDABOUT REX NE FLOWLINE	STA 6+56.10	0.0' R	7024.97
158	HC RAMP	ROUNDABOUT REX NE FLOWLINE	STA 6+56.54	2.5' R	7025.03
159	HC RAMP	ROUNDABOUT REX NE FLOWLINE	STA 6+57.00	12.5' R	7025.08
160	HC RAMP	ROUNDABOUT REX NE FLOWLINE	STA 6+47.85	12.5' R	7024.97
161	HC RAMP	ROUNDABOUT REX NE FLOWLINE	STA 6+48.32	2.5' R	7024.82
162	HC RAMP	ROUNDABOUT REX NE FLOWLINE	STA 6+46.02	0.0' R	7024.71
163	SIDEWALK	ROUNDABOUT REX NE FLOWLINE	STA 6+72.81	2.5' R	7025.95
164	SIDEWALK	ROUNDABOUT REX NE FLOWLINE	STA 6+72.81	12.5' R	7026.15
165	SIDEWALK	ROUNDABOUT REX NE FLOWLINE	STA 6+37.79	12.5' R	7025.21
166	SIDEWALK	ROUNDABOUT REX NE FLOWLINE	STA 6+37.80	2.5' R	7025.04
167	SIDEWALK	ROUNDABOUT REX NE FLOWLINE	STA 5+90.78	12.5' R	7024.01
168	SIDEWALK	ROUNDABOUT REX NE FLOWLINE	STA 5+90.78	2.5' R	7023.81
169	PC	Eastonville_Road	STA 76+10.61	79.1' R	7025.47
170	PCC	Eastonville_Road	STA 76+15.17	74.2' R	7025.79
171	PCC	Eastonville_Road	STA ???	???' ???	7026.25
172	PCC	Eastonville_Road	STA ???	???' ???	7026.10
173	PCC	Eastonville_Road	STA ???	???' ???	7025.66
174	PT	Eastonville_Road	STA 76+36.89	97.3' R	7025.93
175	PC	Eastonville_Road	STA 76+30.22	95.0' R	7025.85
176	PT	Eastonville_Road	STA 76+23.71	94.9' R	7025.77
177	PC	Eastonville_Road	STA 76+17.02	97.1' R	7025.68
178	PT	Eastonville_Road	STA 76+14.68	95.7' R	7025.34



DRAWN BY: AXB      JOB DATE: 10/30/2024  
 APPROVED: CPM      JOB NUMBER: 201662.08  
 CAD DATE: 1/20/2025  
 CAD FILE: J:\2020\201662\CAD\Drawings\Eastonville\_Road\_662.08\Segment\_3\CD\Road\_CDs\Roundabout\_gradings\_and\_signs

NO.	DATE	BY	REVISION DESCRIPTION

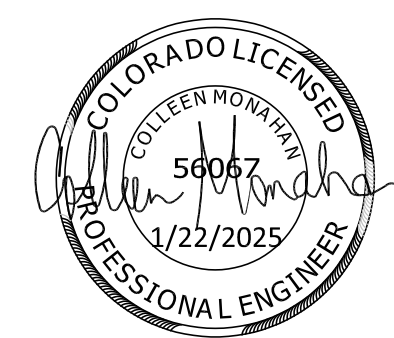
**HRGreen**  
 HR GREEN - COLORADO SPRINGS  
 1975 RESEARCH PARKWAY SUITE 230  
 COLORADO SPRINGS CO 80920  
 PHONE: 719.300.4140  
 FAX: 713.965.0044

**EASTONVILLE ROAD IMPROVEMENTS**  
**DR. HORTON**  
 EL PASO COUNTY, COLORADO

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

SHEET  
**R.14**      **70**

EDARP FILING NO. CDR2321



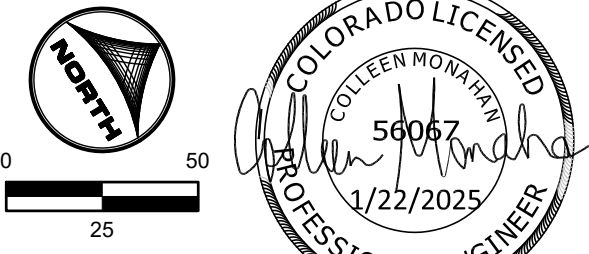
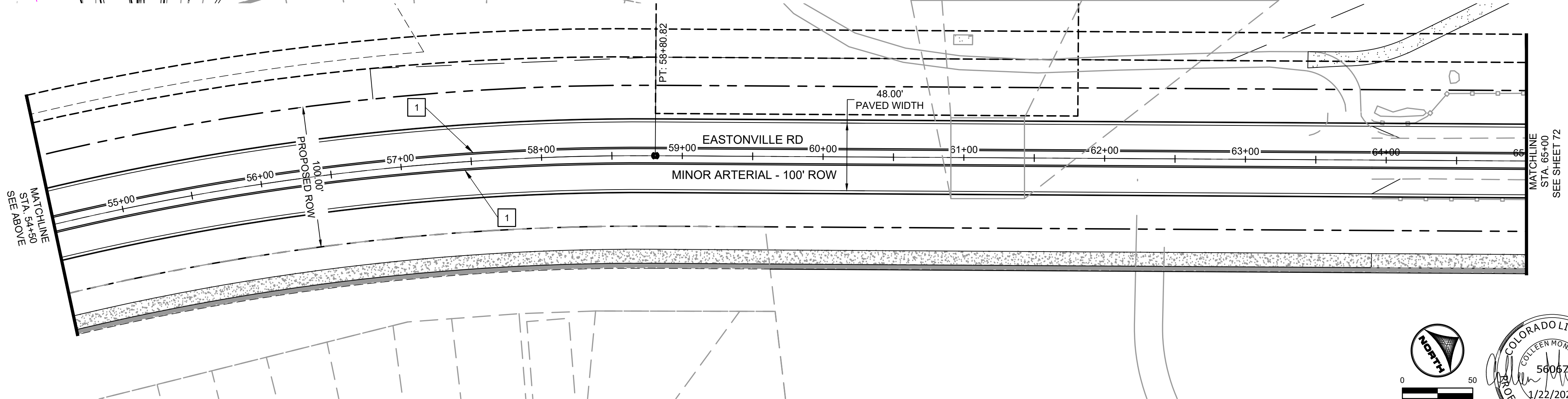
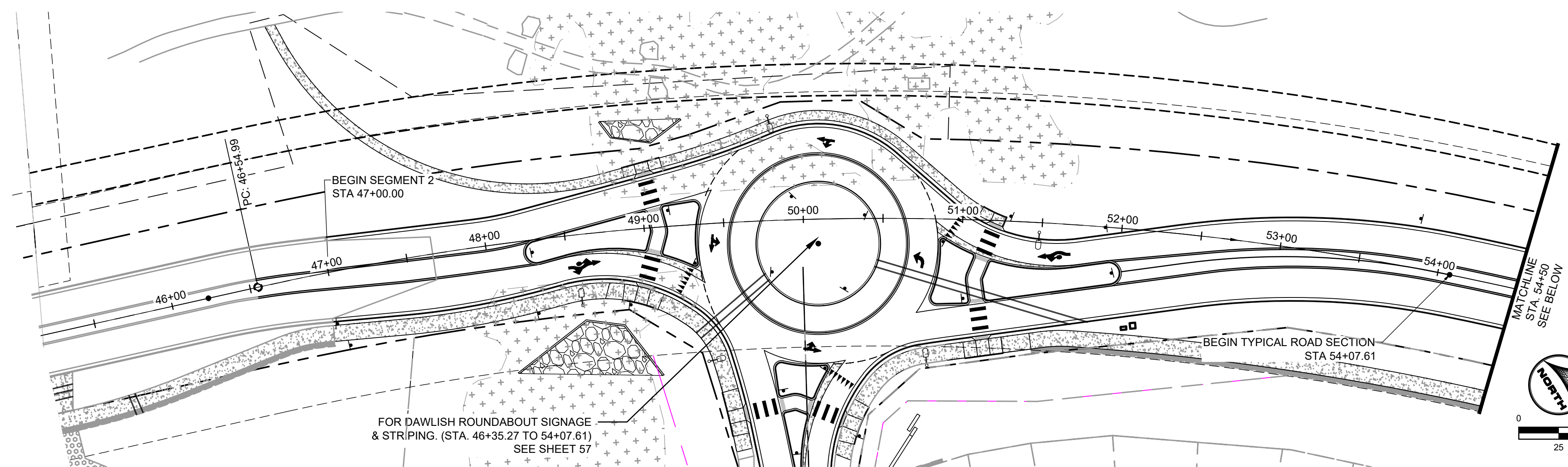
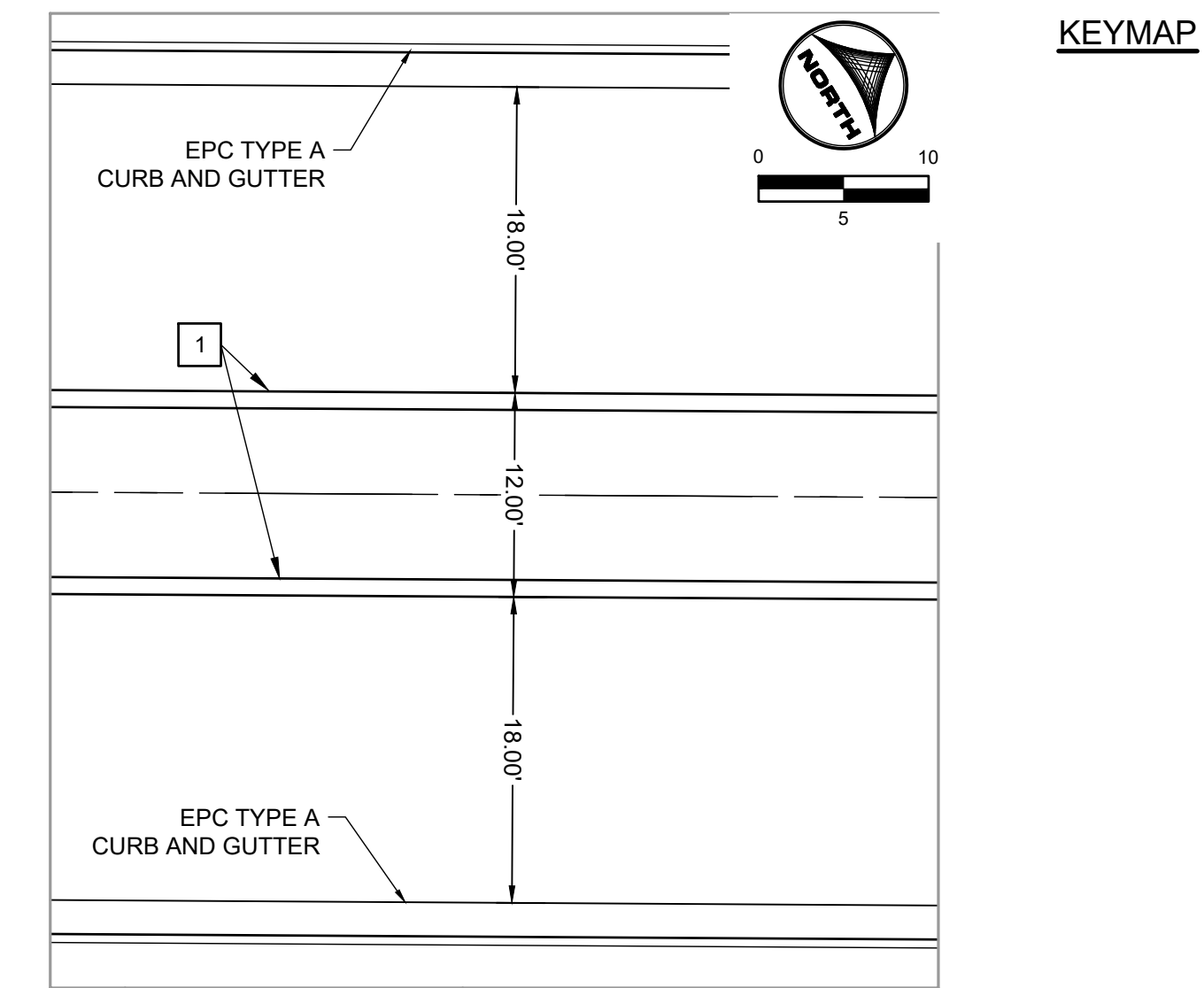
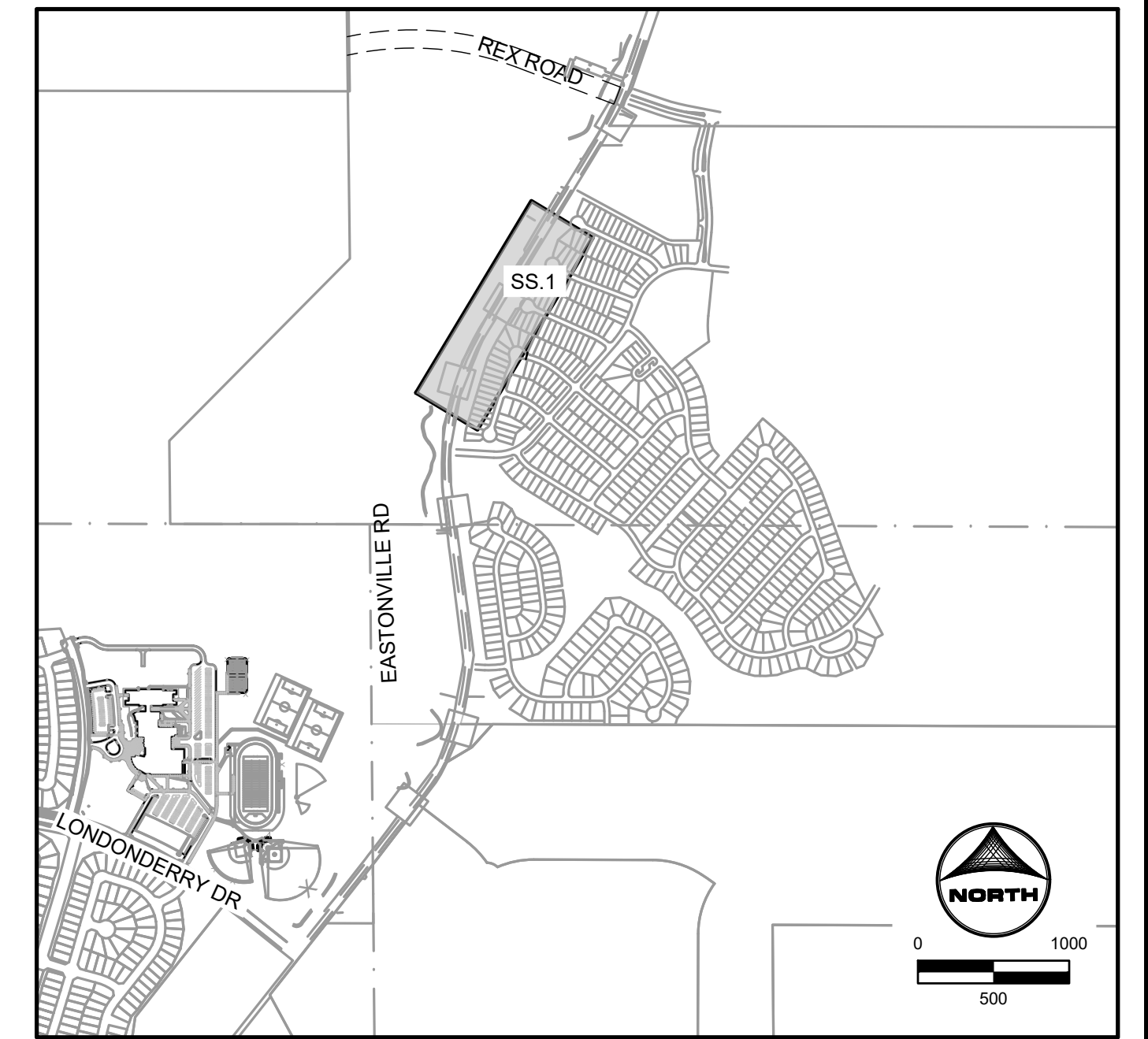


**CONSTRUCTION NOTES:**

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

**STRIPING LEGEND:**

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



EDARP FILING NO. CDR2321

DRAWN BY: ACH JOB DATE: 8/23/2024  
 APPROVED: CPM JOB NUMBER: 201662.08  
 CAD DATE: 1/20/2025  
 CAD FILE: J:\2020\201662\CAD\DWG\CIEastonville\_Road\_662.08\Segment\_2\CID\Road\_CDs\Signage and Striping Plan

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)  
 STRIPING PLAN

SHEET  
**S.1**  
 71



**SIGNING AND STRIPING NOTES:**

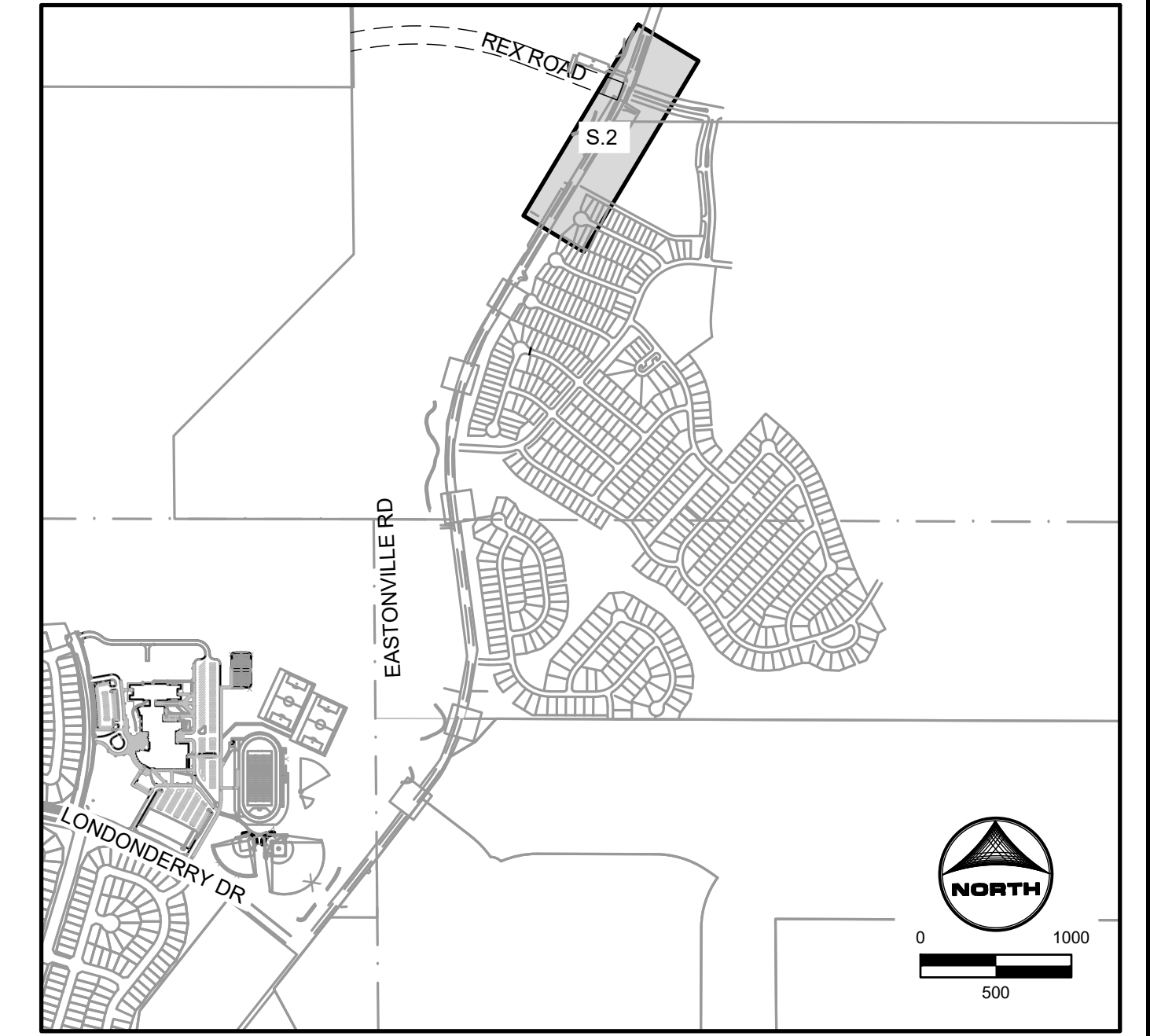
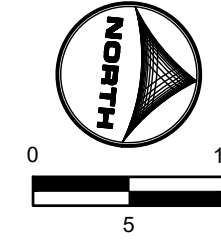
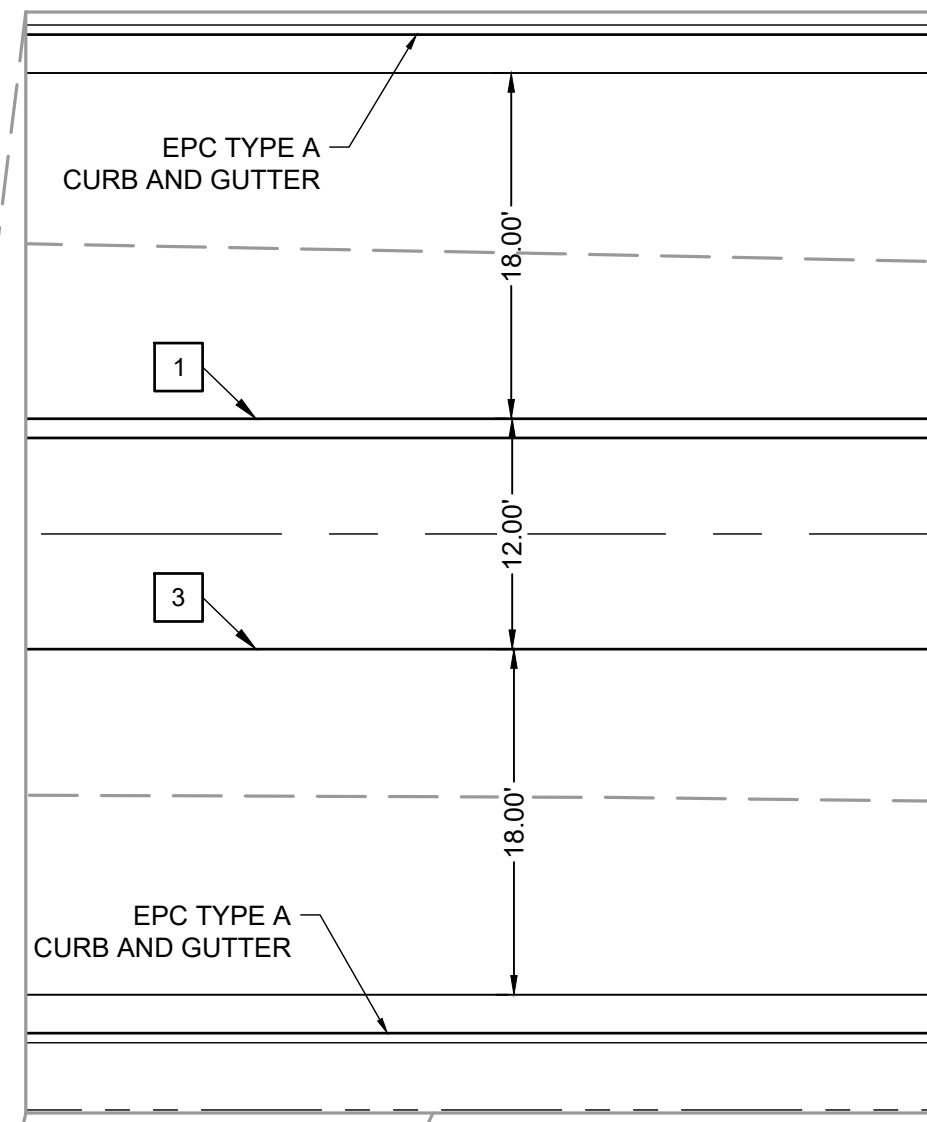
1. ALL SIGNS AND PAVEMENT MARKINGS SHALL BE IN COMPLIANCE WITH THE CURRENT MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES (MUTCD).
2. REMOVAL OF EXISTING PAVEMENT MARKINGS SHALL BE ACCOMPLISHED BY A METHOD THAT DOES NOT MATERIALLY DAMAGE THE PAVEMENT. THE PAVEMENT MARKINGS SHALL BE REMOVED TO THE EXTENT THAT THEY WILL NOT BE VISIBLE UNDER DAY OR NIGHT CONDITIONS. AT NO TIME WILL IT BE ACCEPTABLE TO PAINT OVER EXISTING PAVEMENT MARKINGS.
3. ANY DEVIATION FROM THE STRIPING AND SIGNING PLAN SHALL BE APPROVED BY EL PASO COUNTY PLANNING AND COMMUNITY DEVELOPMENT.
4. ALL SIGNS SHOWN ON THE SIGNING AND STRIPING PLAN SHALL BE NEW SIGNS. EXISTING SIGNS MAY REMAIN OR BE REUSED IF THEY MEET CURRENT EL PASO COUNTY AND MUTCD STANDARDS.
5. STREET NAME AND REGULATORY STOP SIGNS SHALL BE ON THE SAME POST AT INTERSECTIONS.
6. ALL REMOVED SIGNS SHALL BE DISPOSED OF IN A PROPER MANNER BY THE CONTRACTOR.
7. ALL STREET NAME SIGNS SHALL HAVE "D" SERIES LETTERS, WITH LOCAL ROADWAY SIGNS BEING 4" UPPER-LOWER CASE LETTERING ON 8" BLANK AND NON-LOCAL ROADWAY SIGNS BEING 6" LETTERING, UPPER-LOWER CASE ON 12" BLANK, WITH A WHITE BORDER THAT IS NOT RECESSED. MULTI-LANE ROADWAYS WITH SPEED LIMITS OF 35 MPH OR HIGHER SHALL HAVE 8" UPPER-LOWER CASE LETTERING ON 12" BLANK WITH A WHITE BORDER THAT IS NOT RECESSED. THE WIDTH OF THE NON-RECESSED WHITE BORDERS SHALL MATCH PAGE 255 OF THE 2012 MUTCD "STANDARD HIGHWAY SIGNS". SIGNAL POLE MOUNTED AND OVERHEAD STREET NAME SIGNS SHALL BE PER MUTCD SIZE STANDARDS.
8. ALL TRAFFIC SIGNS SHALL HAVE A MINIMUM HIGH INTENSITY PRISMATIC GRADE SHEETING.
9. ALL LOCAL RESIDENTIAL STREET SIGNS SHALL BE MOUNTED ON A 1.75" X 1.75" SQUARE TUBE SIGN POST AND STUB POST BASE. FOR OTHER APPLICATIONS, REFER TO THE CDOT STANDARD S-614-8 REGARDING USE OF THE P2 TUBULAR STEEL POST SLIPBASE DESIGN.
10. ALL SIGNS SHALL BE SINGLE SHEET ALUMINUM WITH 0.100" MINIMUM THICKNESS.
11. ALL LIMIT LINES/STOP LINES, CROSSWALK LINES, PAVEMENT LEGENDS, AND ARROWS SHALL BE A MINIMUM 125 MIL THICKNESS PREFORMED THERMOPLASTIC PAVEMENT MARKINGS WITH TAPERED LEADING EDGES PER CDOT STANDARD S-627-1. STOP BARS SHALL BE 24" IN WIDTH. CROSSWALKS LINES SHALL BE 24" WIDE AND A MINIMUM OF 9' LONG.
12. WORD AND SYMBOL MARKINGS SHALL BE THE NARROW TYPE.
13. 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.
14. THE CONTRACTOR SHALL NOTIFY EL PASO COUNTY (719) 520-6819 PRIOR TO AND UPON COMPLETION OF SIGNING AND STRIPING.
15. THE CONTRACTOR SHALL OBTAIN A WORK IN THE RIGHT OF WAY PERMIT FROM THE EL PASO COUNTY DEPARTMENT OF PUBLIC WORKS (DPW) PRIOR TO ANY SIGNAGE OR STRIPING WORK WITHIN AN EXISTING EL PASO COUNTY ROADWAY.

**CONSTRUCTION NOTES:**

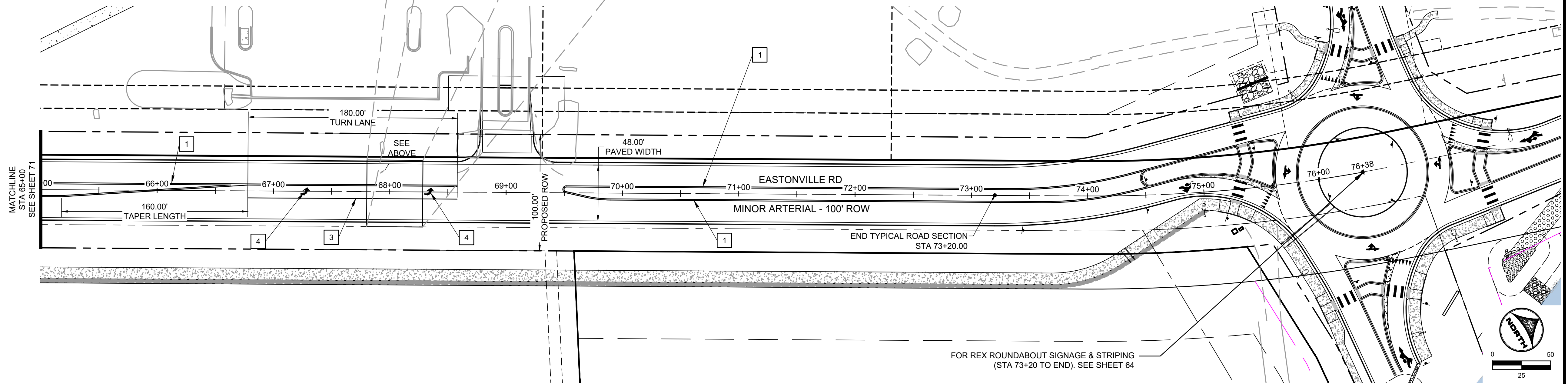
1. WHERE CONSTRUCTION DETAILS AND SPECIFICATIONS ARE NOTED ON THESE PLANS USE EL PASO COUNTY STANDARD SPECIFICATIONS FOR DESIGN AND CONSTRUCTION.
2. ALL SIGNING AND PAVEMENT MARKINGS SHALL BE IN ACCORDANCE WITH THE FEDERAL HIGHWAY ADMINISTRATION MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES (MUTCD) LATEST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

**STRIPING LEGEND:**

- |   |   |
|---|---|
| 1 | LANE LINE (4" SOLID DOUBLE YELLOW STRIPE)                     |
| 2 | LANE LINE (4" SOLID YELLOW STRIPE)                            |
| 3 | LANE LINE (6" SOLID WHITE STRIPE)                             |
| 4 | LEFT TURN LANE ARROW (NARROW TYPE, SOLID WHITE, 6" WIDE, 8')  |
| 5 | RIGHT TURN LANE ARROW (NARROW TYPE, SOLID WHITE, 6" WIDE, 8') |
| 6 | STOP LINE (24" SOLID WHITE)                                   |
| 7 | TYPE III BARRICADE (TEMPORARY)                                |
| 8 | THROUGH LANE ARROW (NARROW TYPE, SOLID WHITE, 6" WIDE, 8')    |



**KEYMAP**



HR GREEN - COLORADO SPRINGS 1975 RESEARCH PARKWAY SUITE 230 COLORADO SPRINGS CO 80920 PHONE: 719.300.4140 FAX: 719.965.0044  
 DRAWN BY: ACH JOB DATE: 8/23/2024 BAR IS ONE INCH ON OFFICIAL DRAWINGS.  
 APPROVED: CPM JOB NUMBER: 201662.08 0" = 1"  
 CAD DATE: 1/20/2025 IF NOT ONE INCH, ADJUST SCALE ACCORDINGLY.  
 CAD FILE: J:\2020\201662\CAD\DWGS\CIEastonville\_Road\_662.08\Segment\_3\CDI\Road\_CDs\Signage and Striping Plan

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*

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

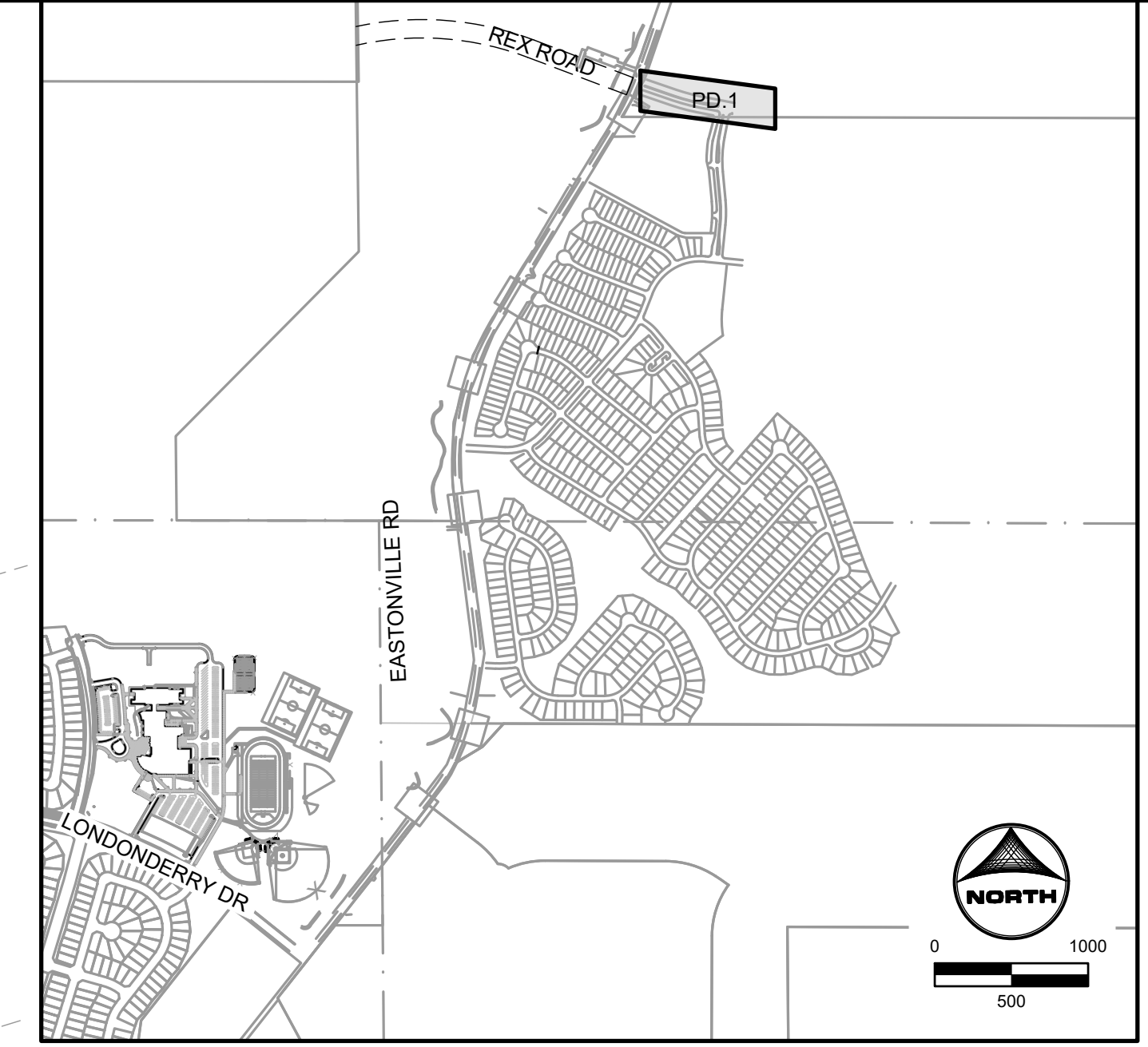
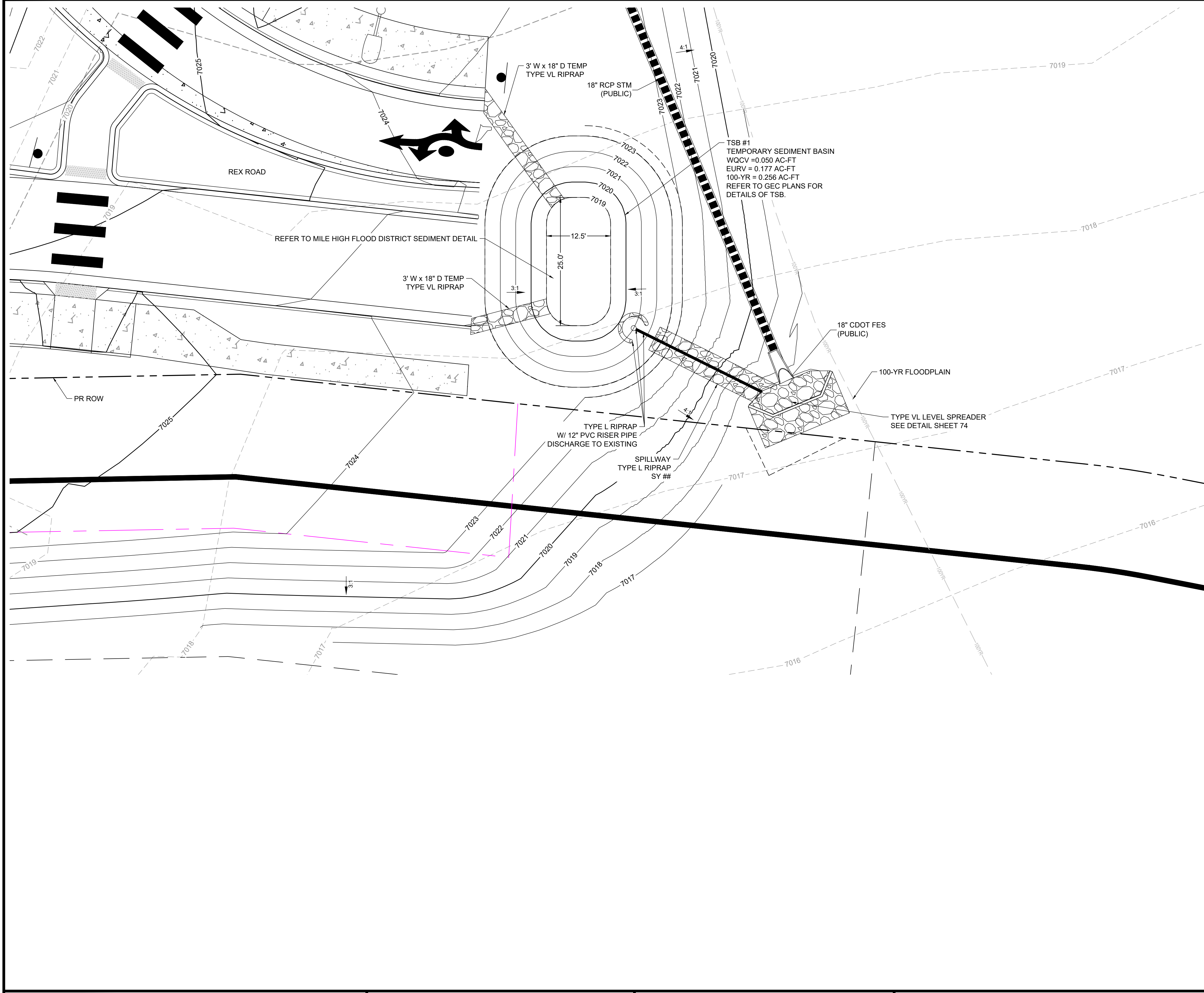
SHEET  
**S.2**      **72**

EDARP FILING NO. CDR2321



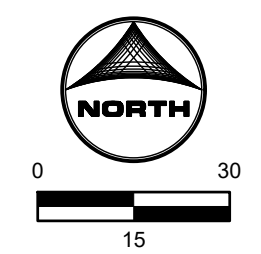


HR GREEN Note: xpl-1-dh01\_CD\_Road\_PNP; x-crow-662.08; Eastonville; x-crow-662.08; xc-dgn-662.08; Eastonville; P1; xc-dgn-662.08; Eastonville; Seg\_3; Level Spreader Detail; 01-XC-PR\_100YR\_FP\_DELINEATION



**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 SEEDED.
  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.



DRAWN BY: ACH	JOB DATE: 10/30/2024	BAR IS ONE INCH ON OFFICIAL DRAWINGS.
APPROVED: CPM	JOB NUMBER: 201662.08	0
CAD DATE: 1/20/2025		IF NOT ONE INCH, ADJUST SCALE ACCORDINGLY.
CAD FILE: J:\2020\201662\CAD\DWGS\C\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  
 PHONE: 719.300.4140  
 FAX: 713.965.0044

**EASTONVILLE ROAD IMPROVEMENTS**  
**DR. HORTON**  
 EL PASO COUNTY, COLORADO

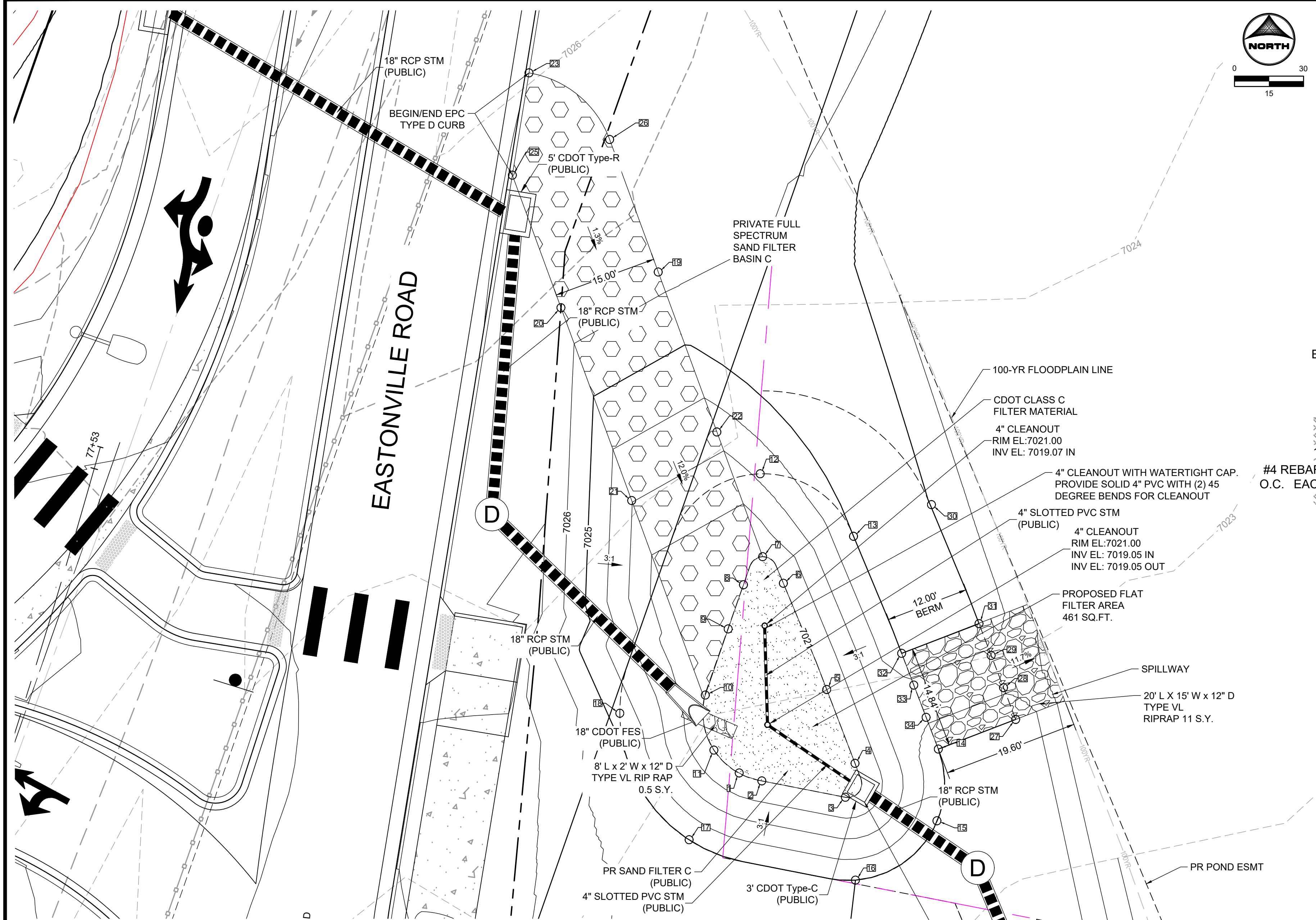
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 POND PLAN - TSB



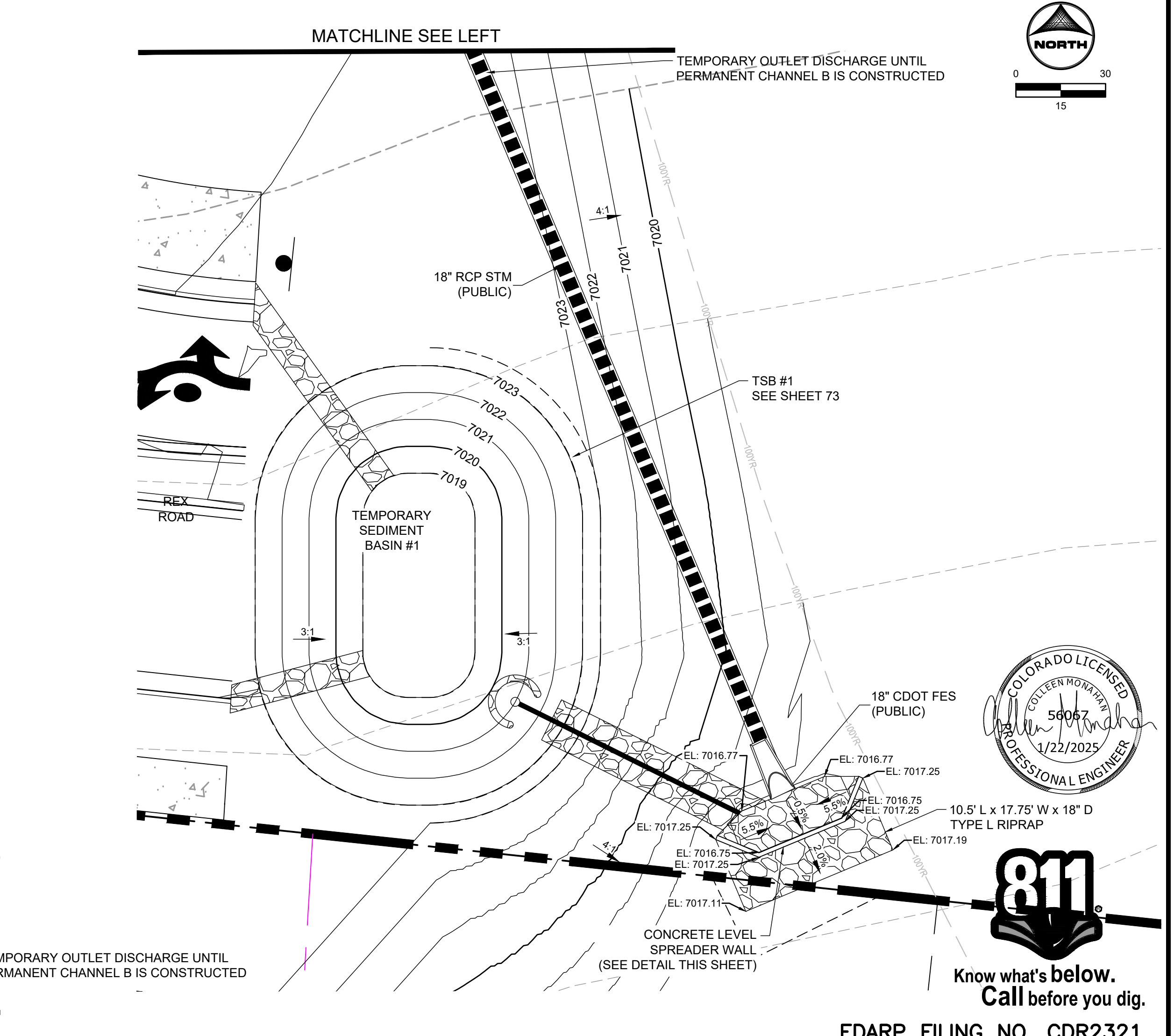
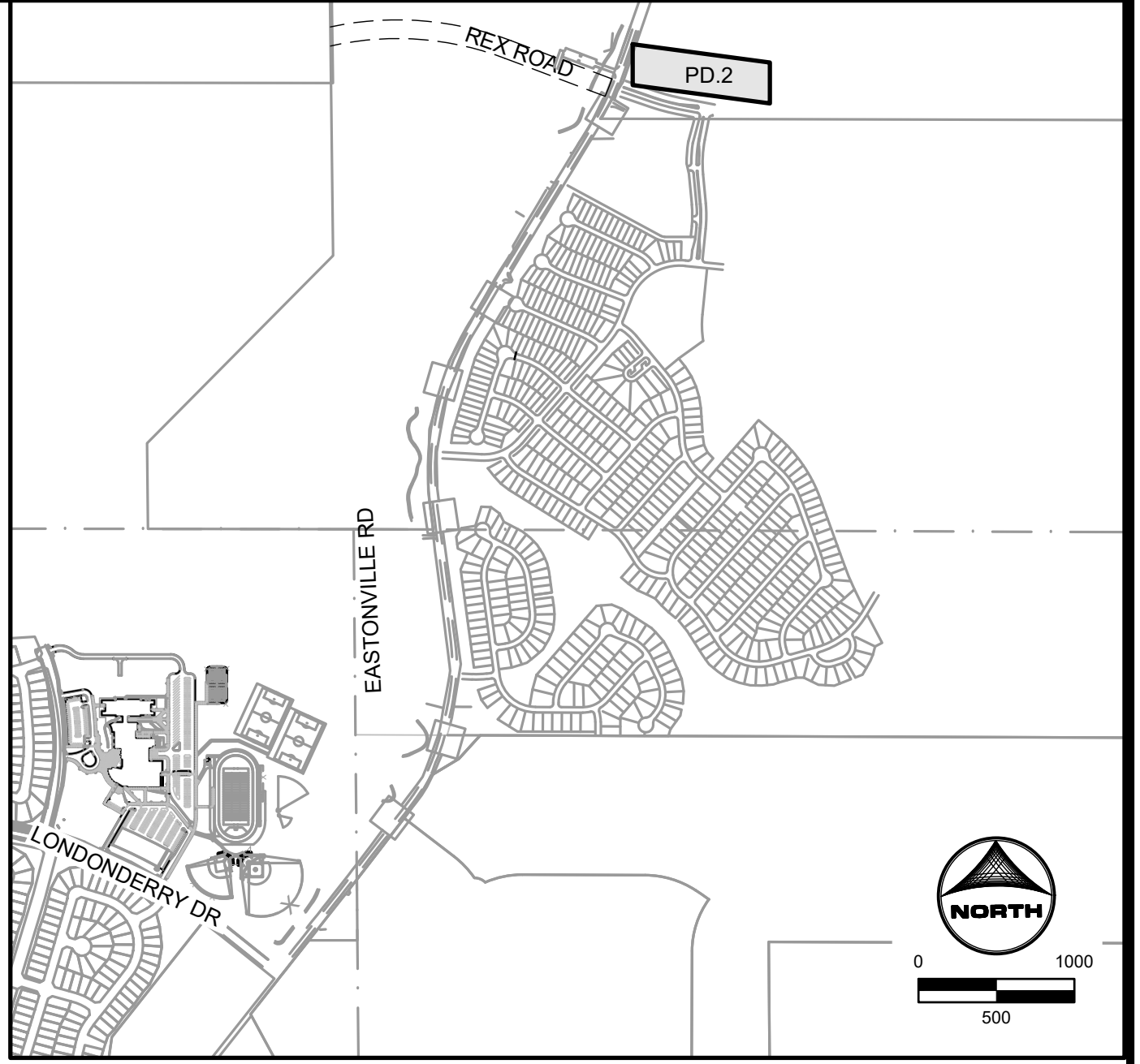
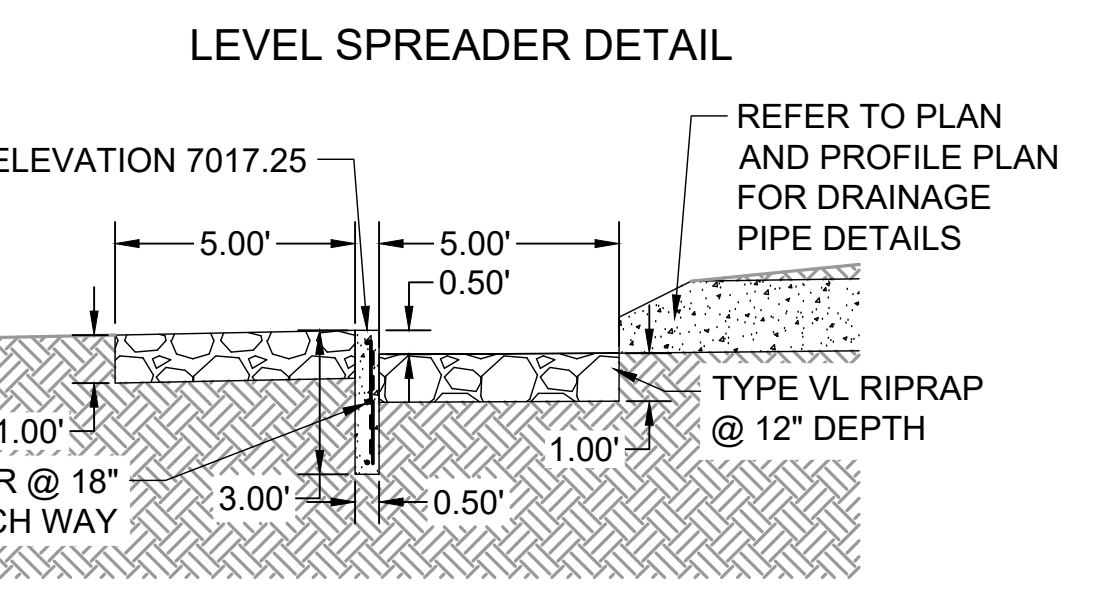
EDARP FILING NO. CDR2321



HR GREEN xref: xpl-1-df01\_CD\_Road\_PND; xv-row-662.08\_Eastonville; xc-row-662.08\_Eastonville; xv-dgn-662.08\_Eastonville; P1: xc-dgn-662.08\_Eastonville; Seg. 3: Level Spreader Detail; 01-XC-PR\_100YR\_FP\_DELINEATION



- GRADING NOTES:**
- ALL PROPOSED CONTOURS ARE TO FINISHED GRADE.
  - EARTHEN CUT AND FILL SLOPES SHALL BE 3:1 MAXIMUM. SLOPES IN EXCESS OF 4:1 AND AREAS OTHERWISE INDICATED BY WITHIN THESE PLANS, SHALL BE COVERED WITH SOIL RETENTION BLANKET OVER 4" MIN. THICKNESS OF TOPSOIL AND SEEDED.
  - IF THE PROJECT IS CONSTRUCTED DURING THE SUMMER WHEN SEEDING IS NOT ALLOWED, APPLY 1-1/2 TONS OF CERTIFIED WEEF 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 EURLV OR WOCV 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.



No.	DESC.	NORTHING & EASTING	ELEV.
1	BOP	N: 1423384.52 E: 3266017.85	7021.00
2	BOP	N: 1423383.37 E: 3266021.12	7021.00
3	BOP	N: 1423381.00 E: 3266033.21	7021.00
4	BOP	N: 1423385.91 E: 3266034.61	7021.00
5	BOP	N: 1423396.60 E: 3266030.51	7021.00
6	BOP	N: 1423411.98 E: 3266024.23	7021.00
7	MAINT. RD/BP	N: 1423415.83 E: 3266021.24	7021.00
8	BOP	N: 1423411.76 E: 3266018.46	7021.00
9	BOP	N: 1423405.37 E: 3266016.25	7021.00
10	MAINT. RD/BP	N: 1423395.80 E: 3266012.93	7021.00
11	BOP	N: 1423387.83 E: 3266014.18	7021.00

No.	DESC.	NORTHING & EASTING	ELEV.
12	TOP	N: 1423427.83 E: 3266020.89	7023.21
13	TOP	N: 1423418.78 E: 3266034.40	7025.00
14	TOP	N: 1423387.97 E: 3266046.67	7025.00
15	TOP	N: 1423377.60 E: 3266046.47	7025.00
16	TOP	N: 1423369.01 E: 3266034.67	7025.00
17	TOP	N: 1423374.85 E: 3266010.60	7025.00
18	TOP	N: 1423393.16 E: 3266000.56	7024.56
19	MAINT. RD	N: 1423457.03 E: 3266006.12	7026.38
20	MAINT. RD	N: 1423451.87 E: 3265992.04	7026.68
21	MAINT. RD	N: 1423423.95 E: 3266002.28	7023.03
22	MAINT. RD	N: 1423433.88 E: 3266014.62	7023.36

No.	DESC.	NORTHING & EASTING	ELEV.
23	MAINT. RD	N: 1423485.86 E: 3265987.41	7026.53
25	BEGIN MAINT. RD	N: 1423471.06 E: 3265985.00	7026.46
26	BEGIN MAINT. RD	N: 1423476.22 E: 3265999.08	7026.72
27	TOP	N: 1423392.27 E: 3266057.87	7025.00
28	SW CREST	N: 1423396.86 E: 3266056.11	7023.77
29	SW CREST	N: 1423401.53 E: 3266054.33	7023.77
30	TOP	N: 1423423.36 E: 3266045.68	7024.97
31	TOP	N: 1423406.13 E: 3266052.57	7025.00
32	TOP	N: 1423401.83 E: 3266041.36	7025.00
33	SW CREST	N: 1423397.24 E: 3266043.12	7023.77
34	SW CREST	N: 1423392.57 E: 3266044.91	7023.77

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



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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

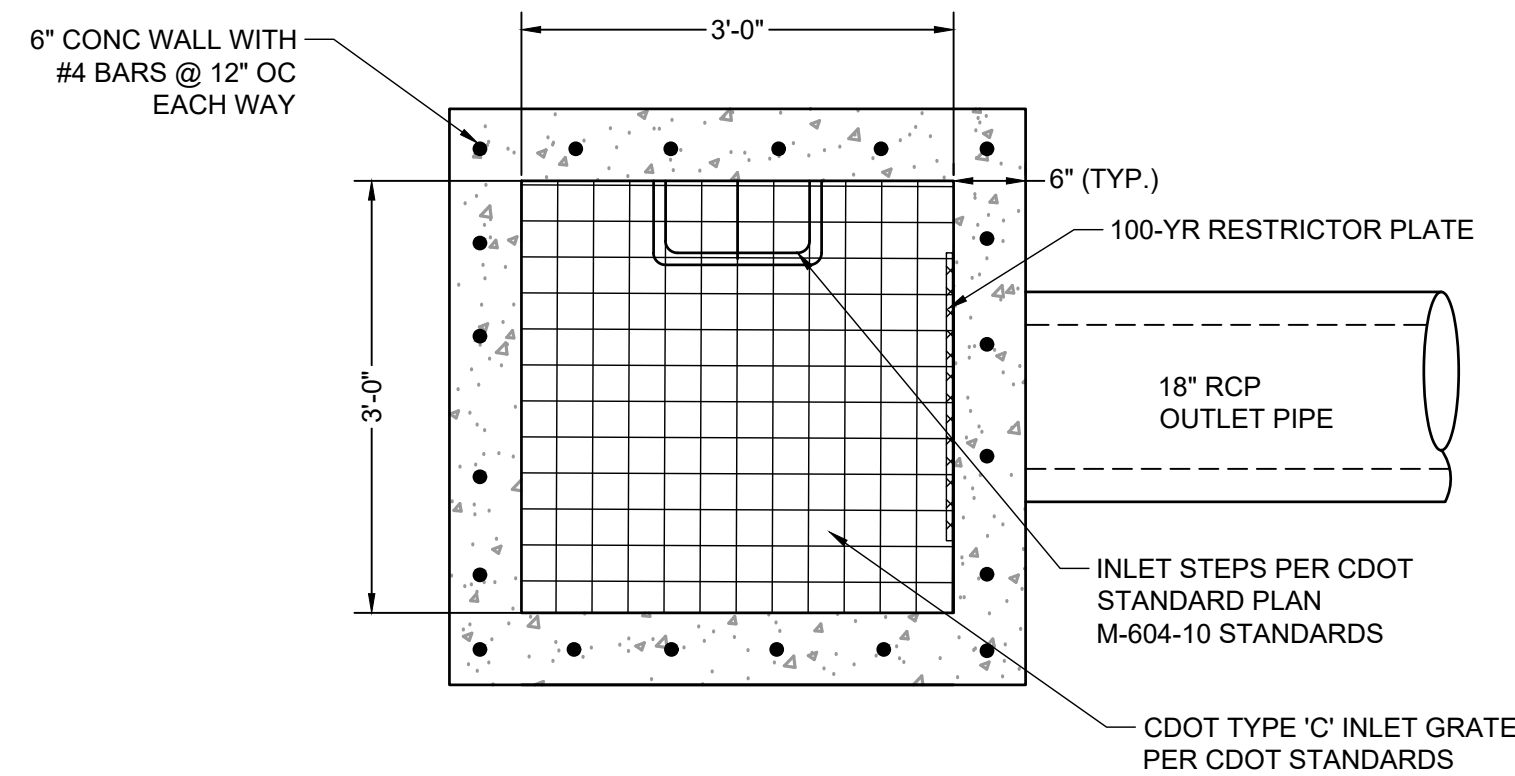
**EASTONVILLE ROAD IMPROVEMENTS**  
**DR. HORTON**  
 EL PASO COUNTY, COLORADO



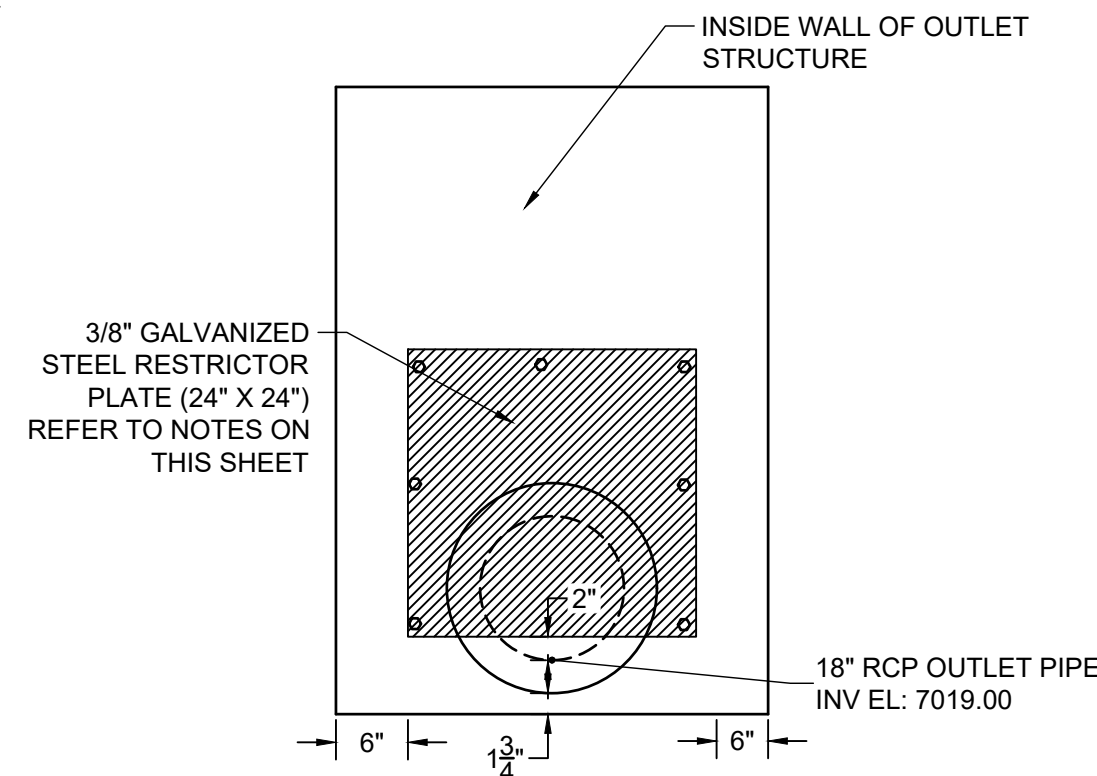
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 POND PLANS - SAND FILTER C

SHEET  
**PD.2**  
**74**

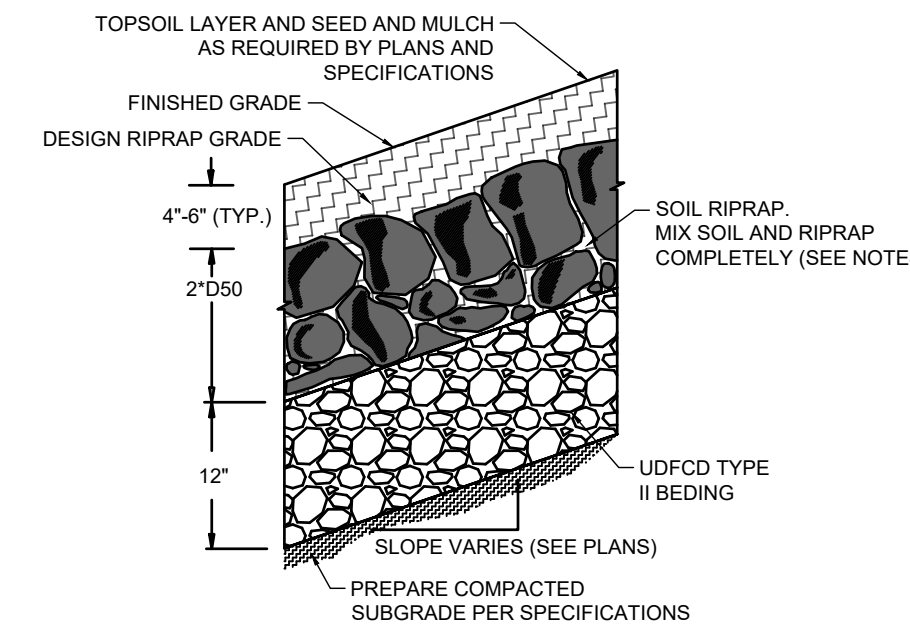




PLAN VIEW  
SAND FILTER OUTLET STRUCTURE PLAN  
SCALE: 3/4" = 1'



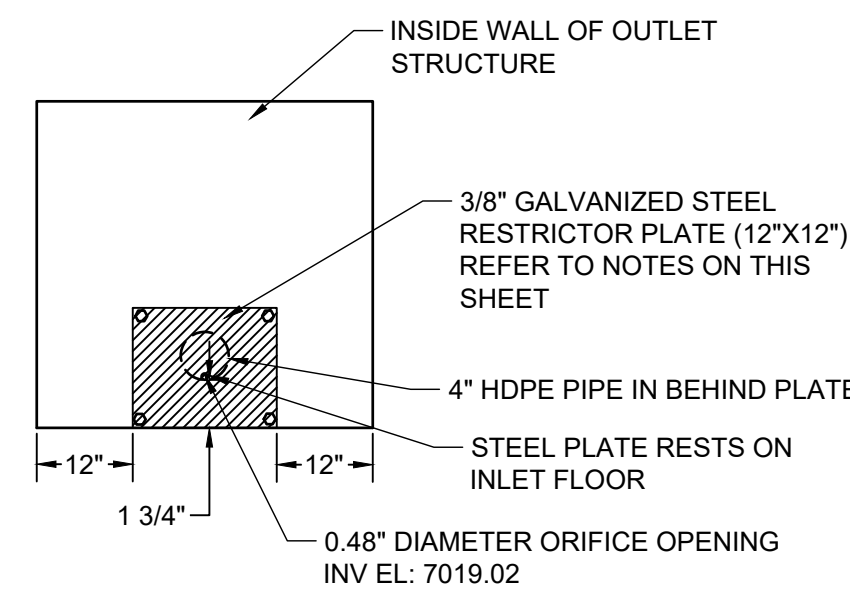
ELEVATION VIEW  
RESTRICTOR PLATE DETAIL  
SCALE: N.T.S.



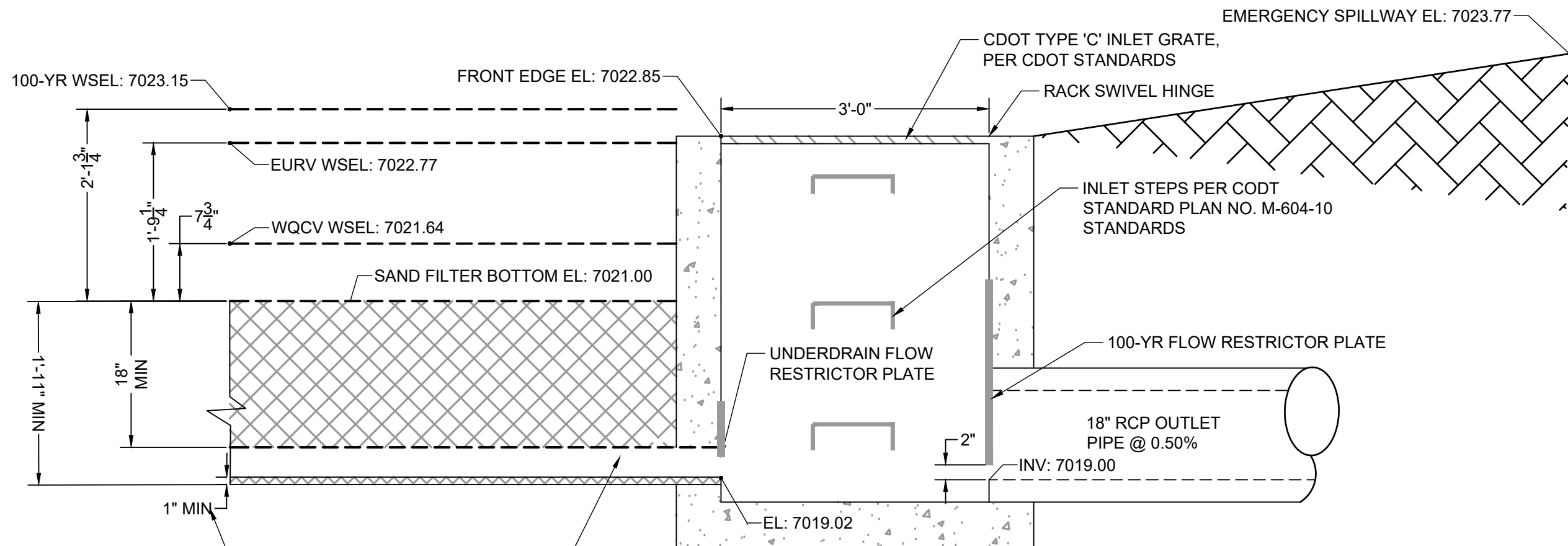
SOIL RIPRAP EMBANKMENT PROTECTION WITH BEDDING TYP. SECTION  
N.T.S.

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



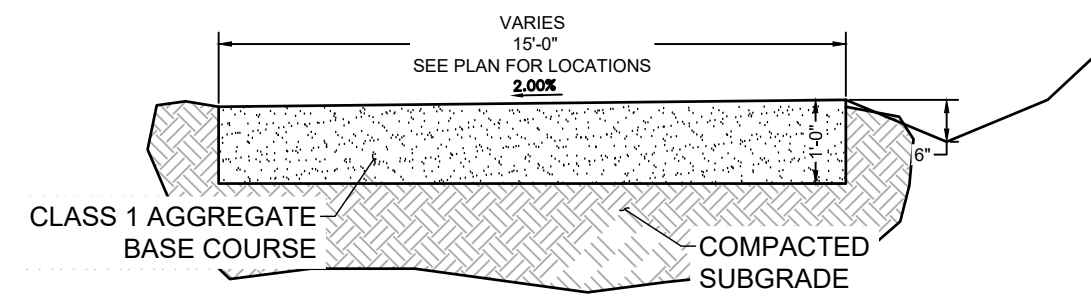
ELEVATION VIEW  
UNDERDRAIN PIPE ORIFICE PLATE  
SCALE: N.T.S.



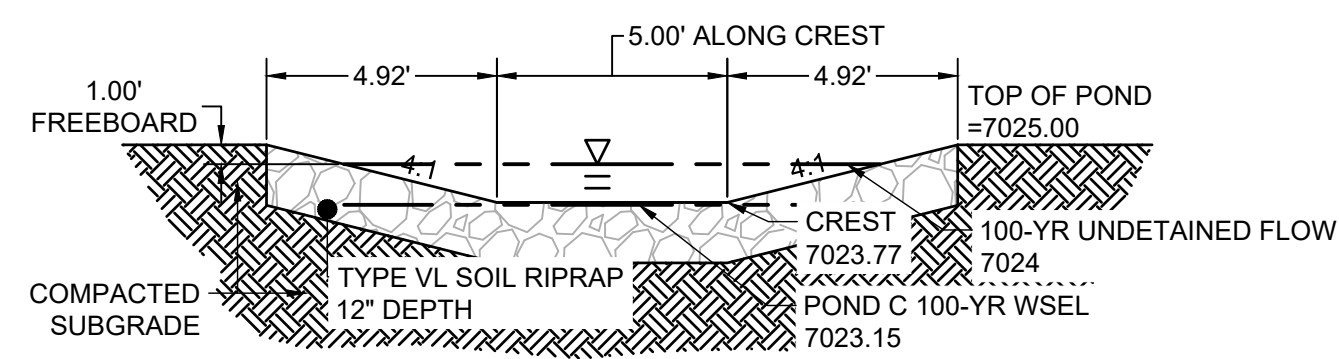
ELEVATION VIEW  
SAND FILTER OUTLET STRUCTURE PROFILE  
SCALE: 3/4" = 1'

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

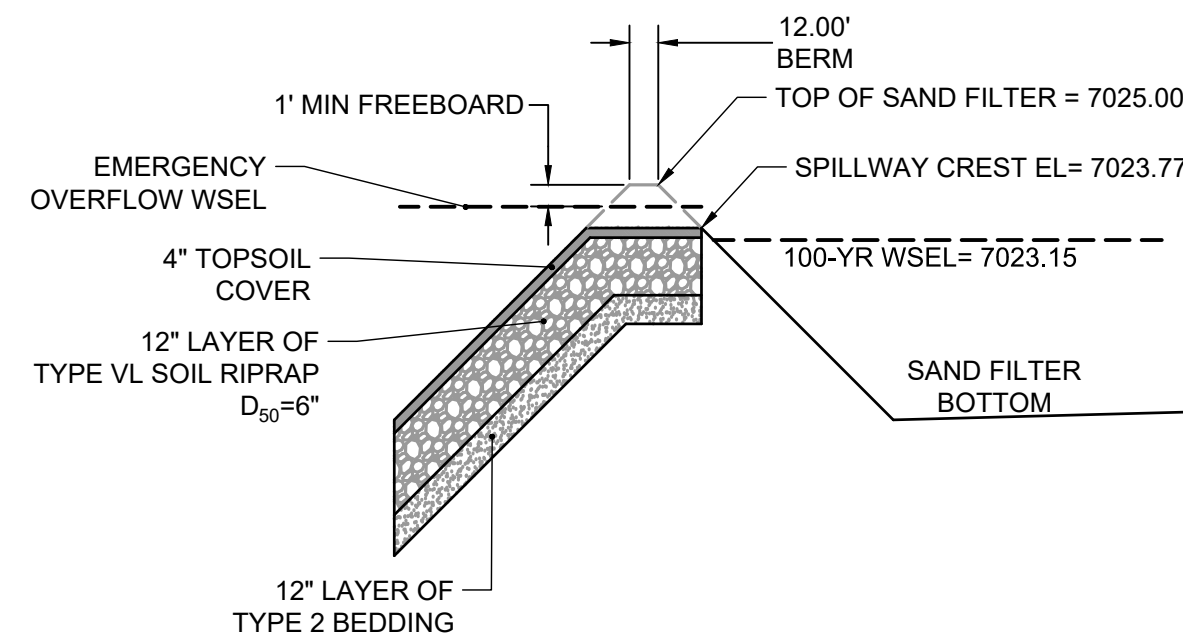
THIS DIMENSION VARIES BASED ON UNDERDRAIN SLOPE. MAINTAIN 1" MINIMUM FILTER MATERIAL BELOW PIPE



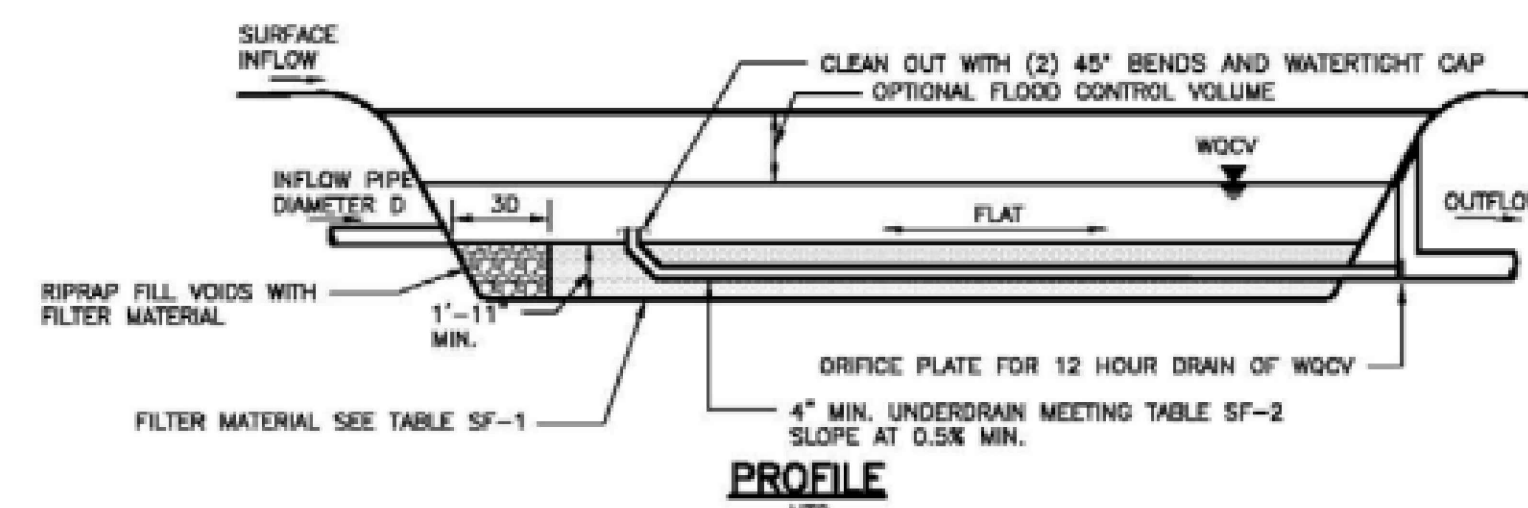
MAINTENANCE ROAD TYPICAL SECTION  
SCALE: N.T.S.



SECTION VIEW - EMERGENCY OVERFLOW SPILLWAY  
SCALE: N.T.S.



EMERGENCY OVERFLOW SPILLWAY - TYPICAL SECTION  
SCALE: N.T.S.



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

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.

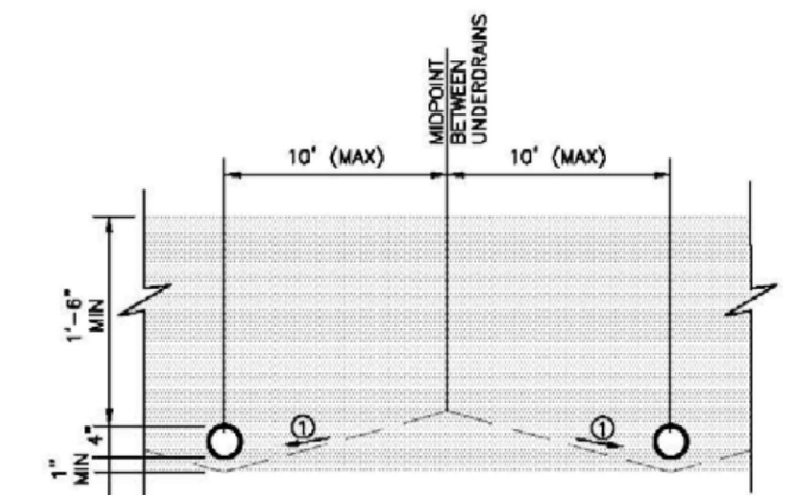
RIPRAP NOTES:

- 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 FT<sup>2</sup>  
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



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

Table SF-2. Dimensions for Slotted Pipe<sup>1</sup>

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

<sup>1</sup> 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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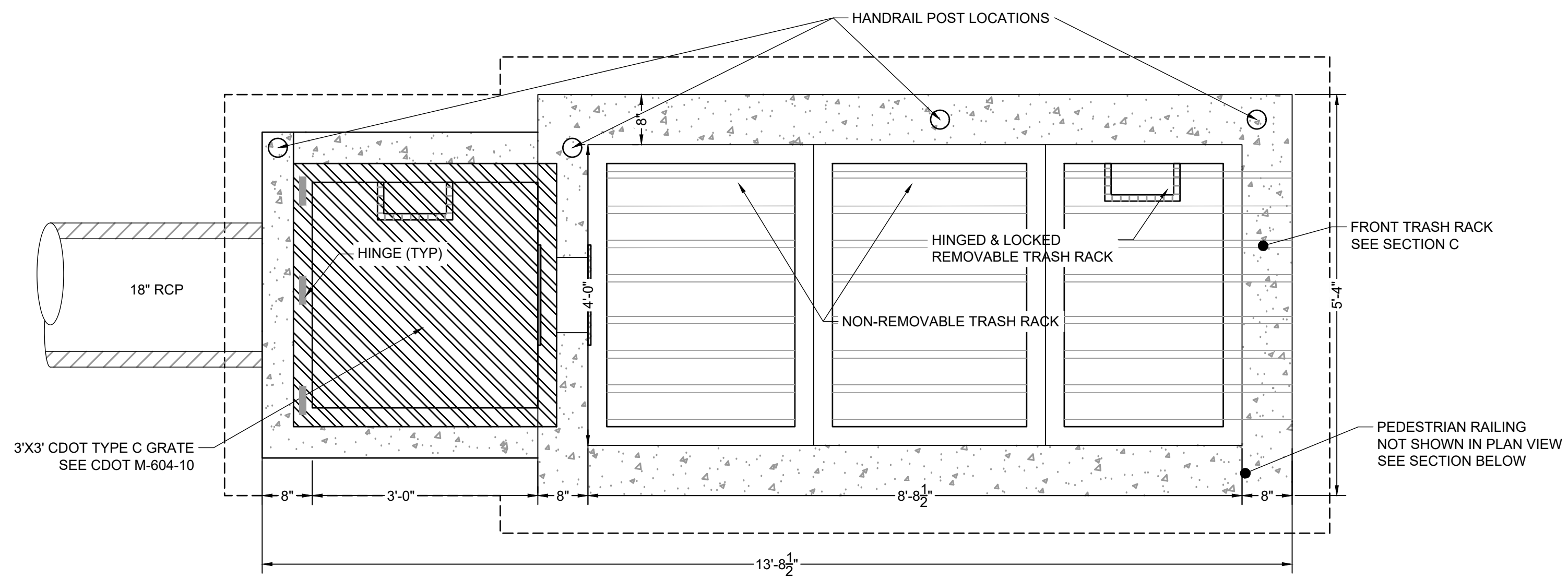
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DR. HORTON  
EL PASO COUNTY, COLORADO



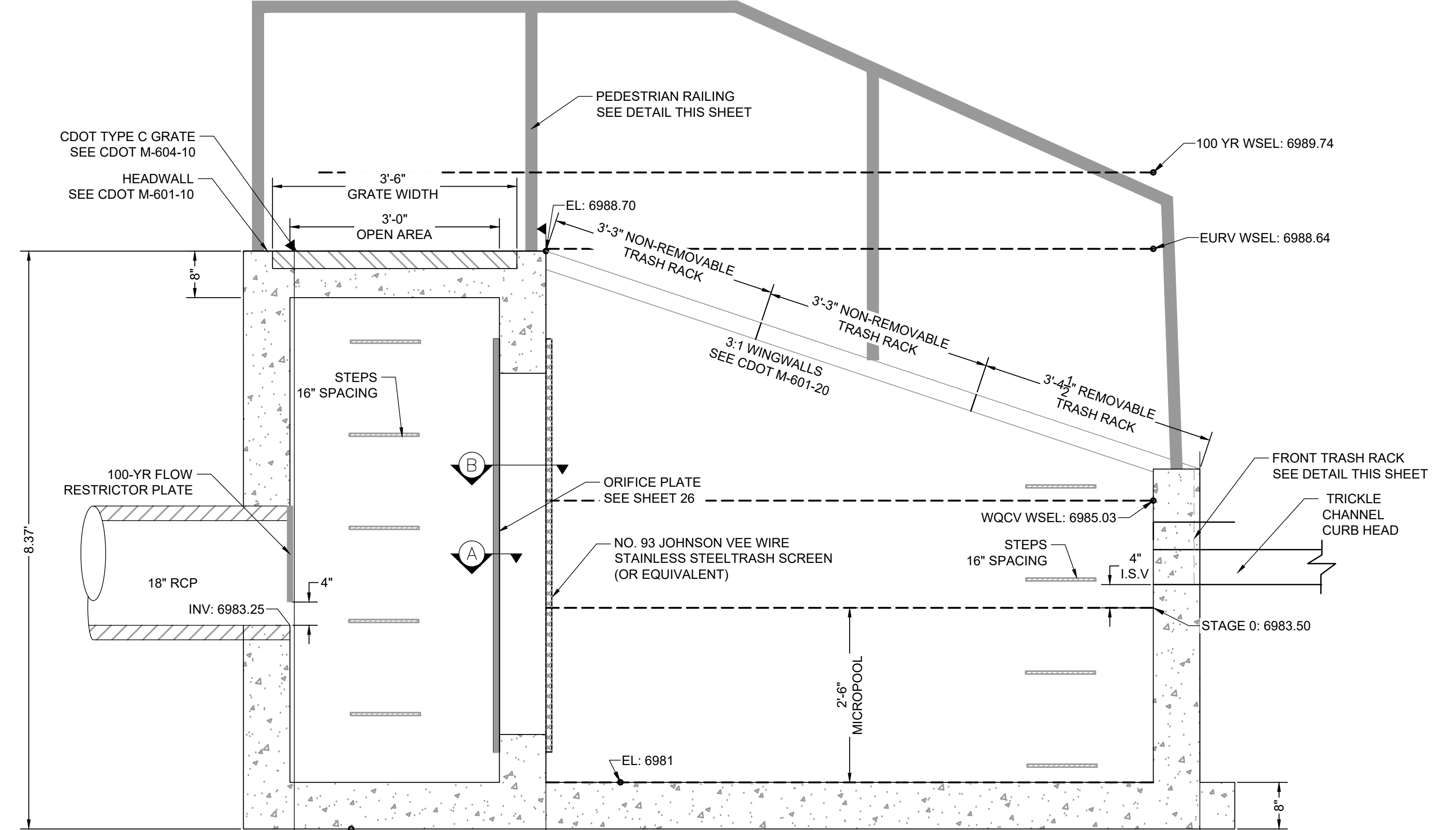
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POND PLANS - SAND FILTER C OUTLET

SHEET  
PD.3 75

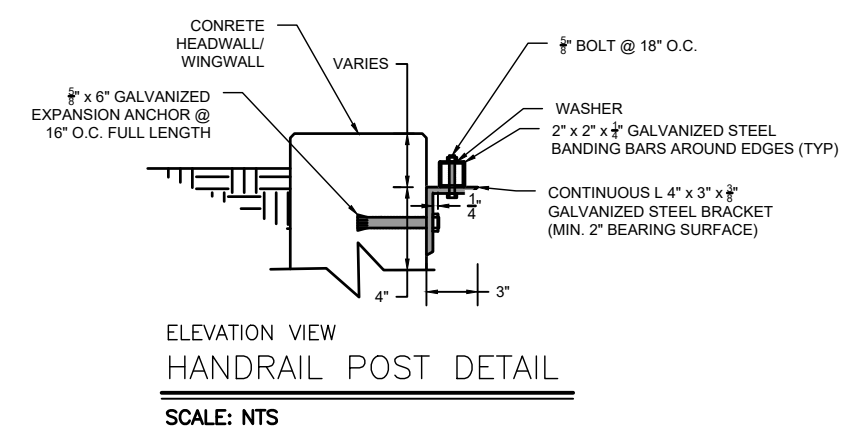




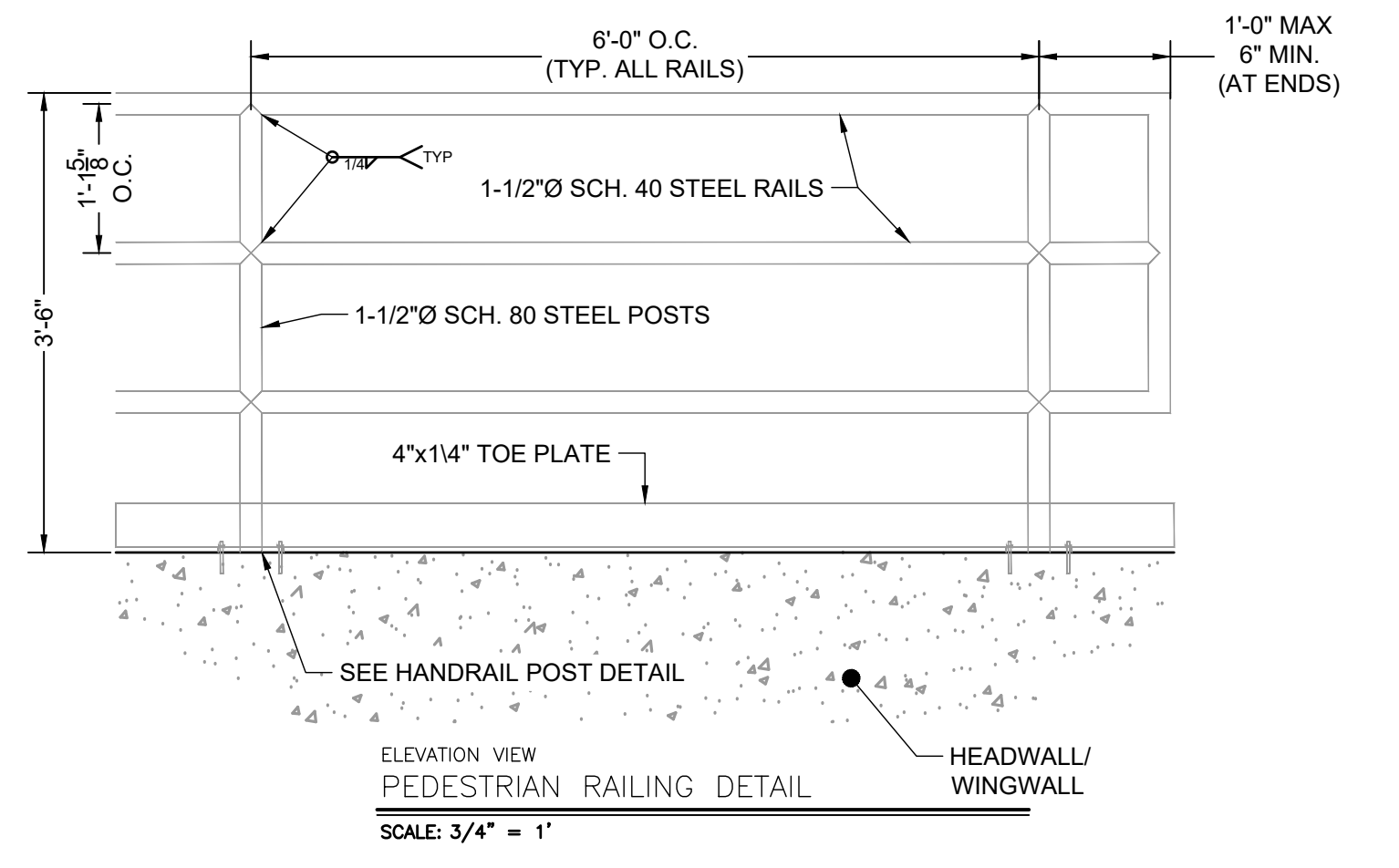
PLAN VIEW  
POND OUTLET STRUCTURE PLAN  
SCALE: 3/4" = 1'



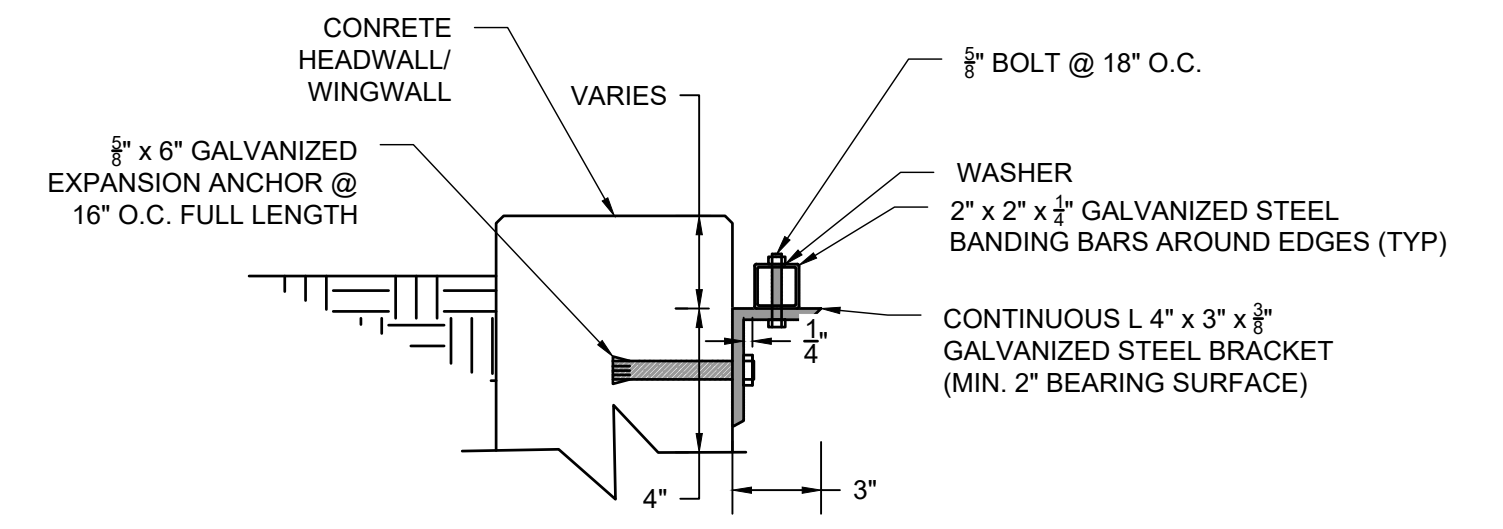
ELEVATION VIEW  
POND OUTLET STRUCTURE PROFILE  
SCALE: 3/4" = 1'



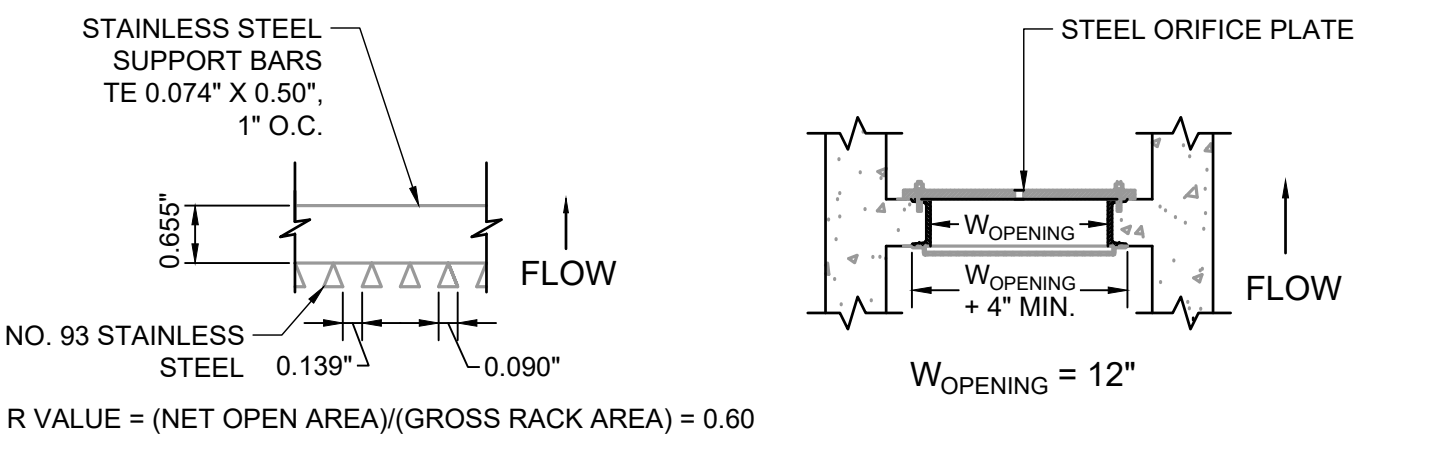
ELEVATION VIEW  
HANDRAIL POST DETAIL  
SCALE: NTS



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



DETAIL VIEW  
TRASH RACK CONNECTION TO WALLS  
SCALE: NTS



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

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

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

**POND WARNING SIGN**  
SCALE: NTS  
MINIMUM SIGN AREA = 3 FT<sup>2</sup>  
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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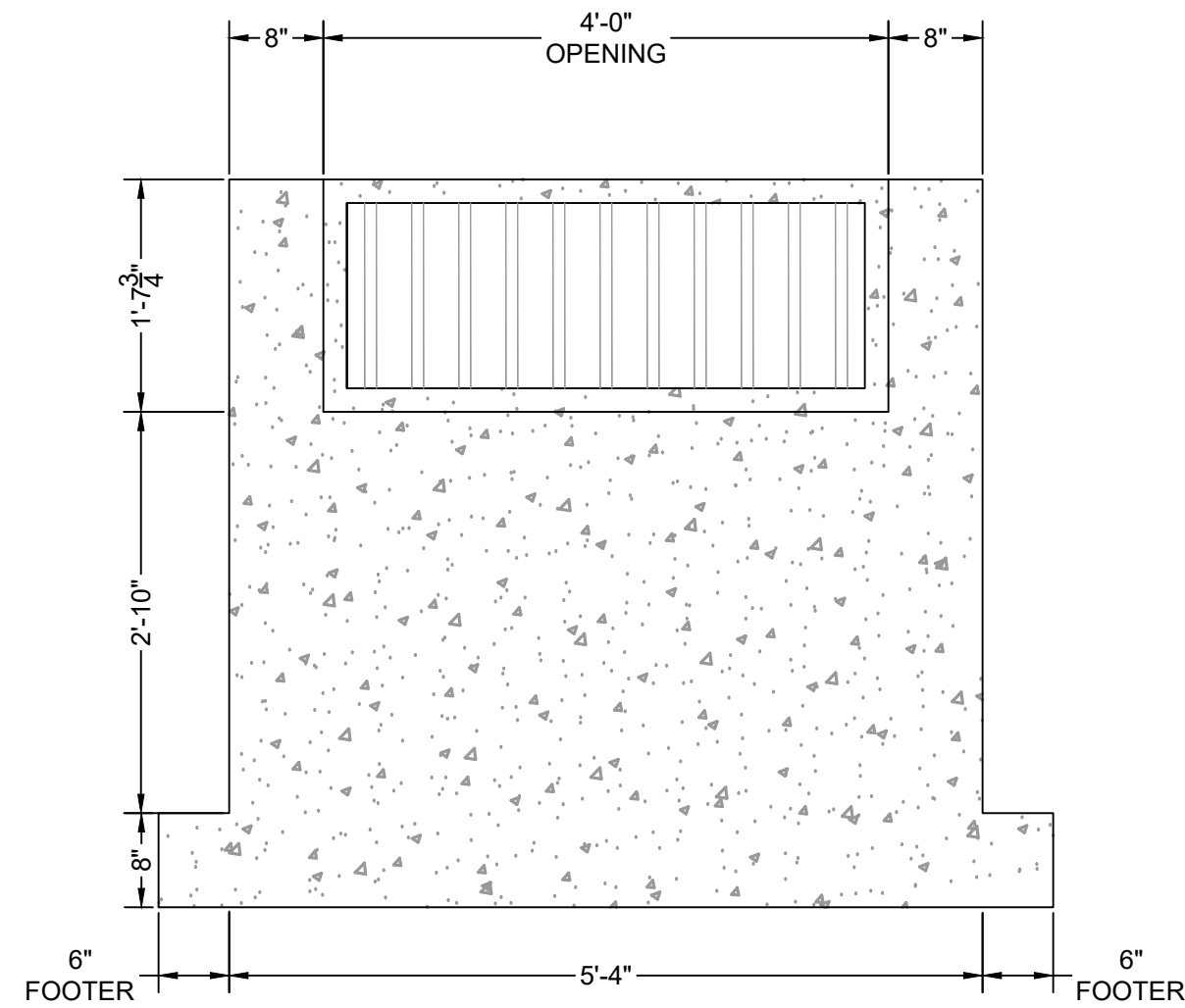
**HRGreen**  
HR GREEN - COLORADO SPRINGS  
1975 RESEARCH PARKWAY SUITE 230  
COLORADO SPRINGS CO 80920  
PHONE: 719.300.4140  
FAX: 713.965.0044

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**DR. HORTON**  
EL PASO COUNTY, COLORADO

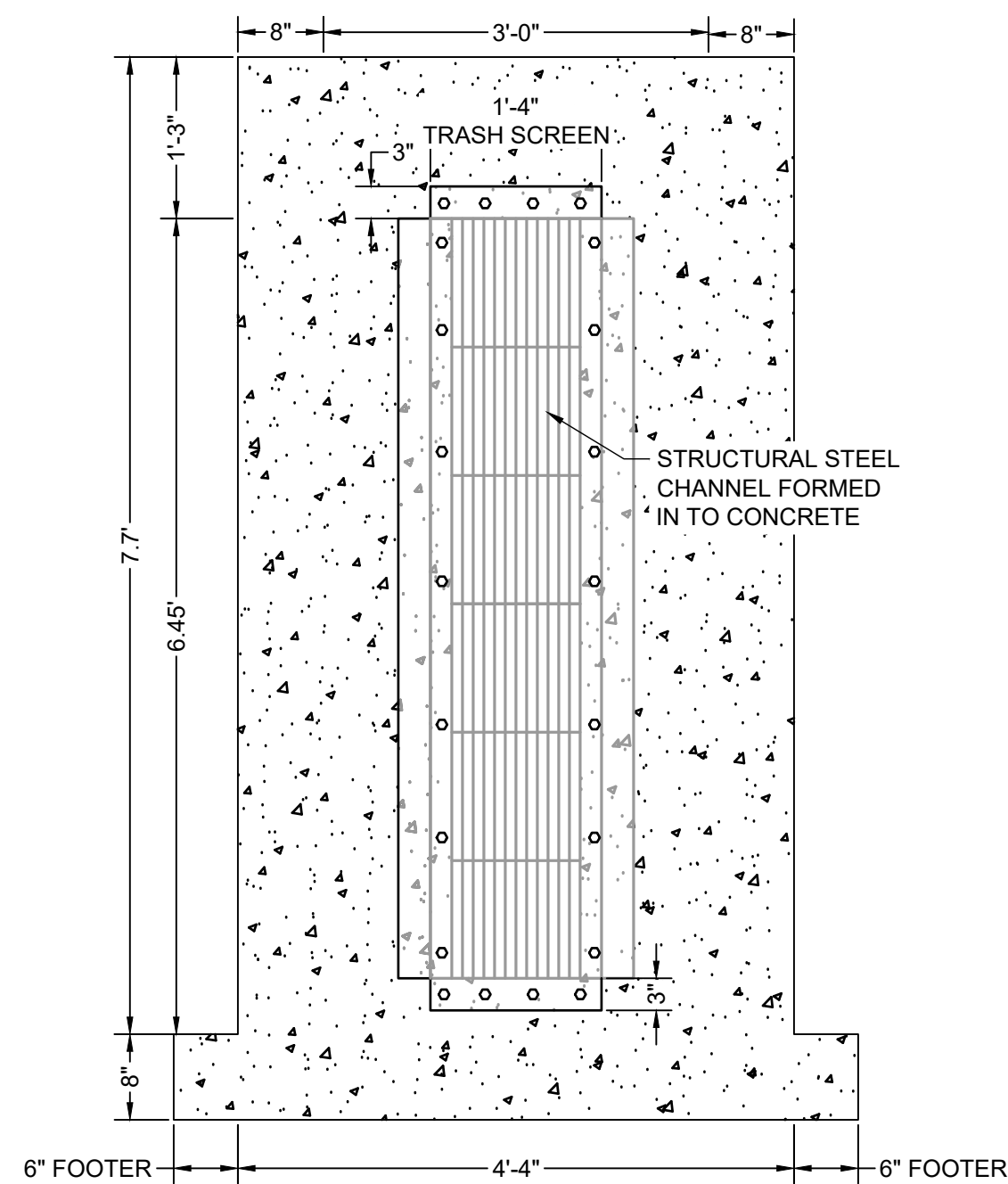
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America's Builder

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EDB B ULTIMATE OUTLET STRUCTURE DETAILS I

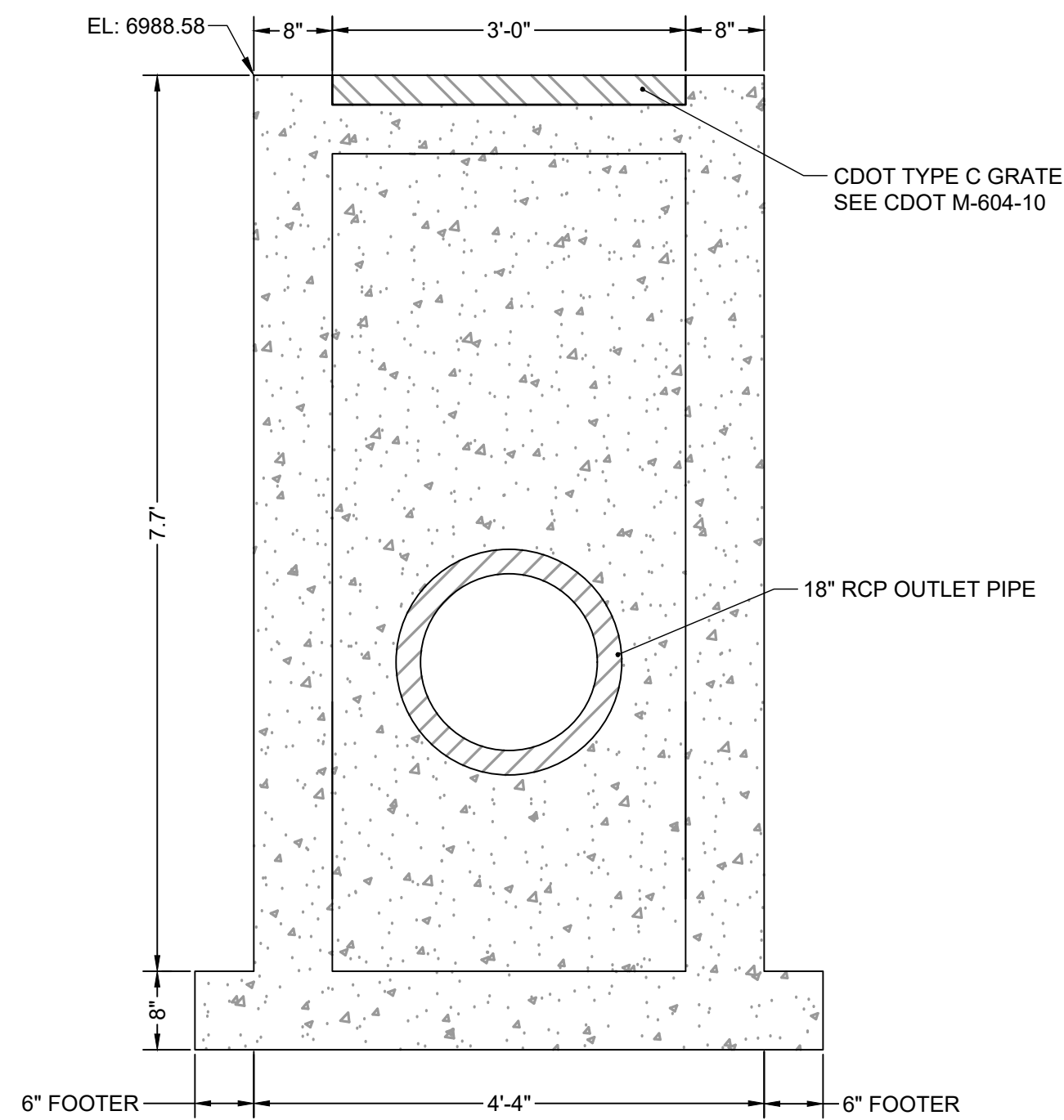




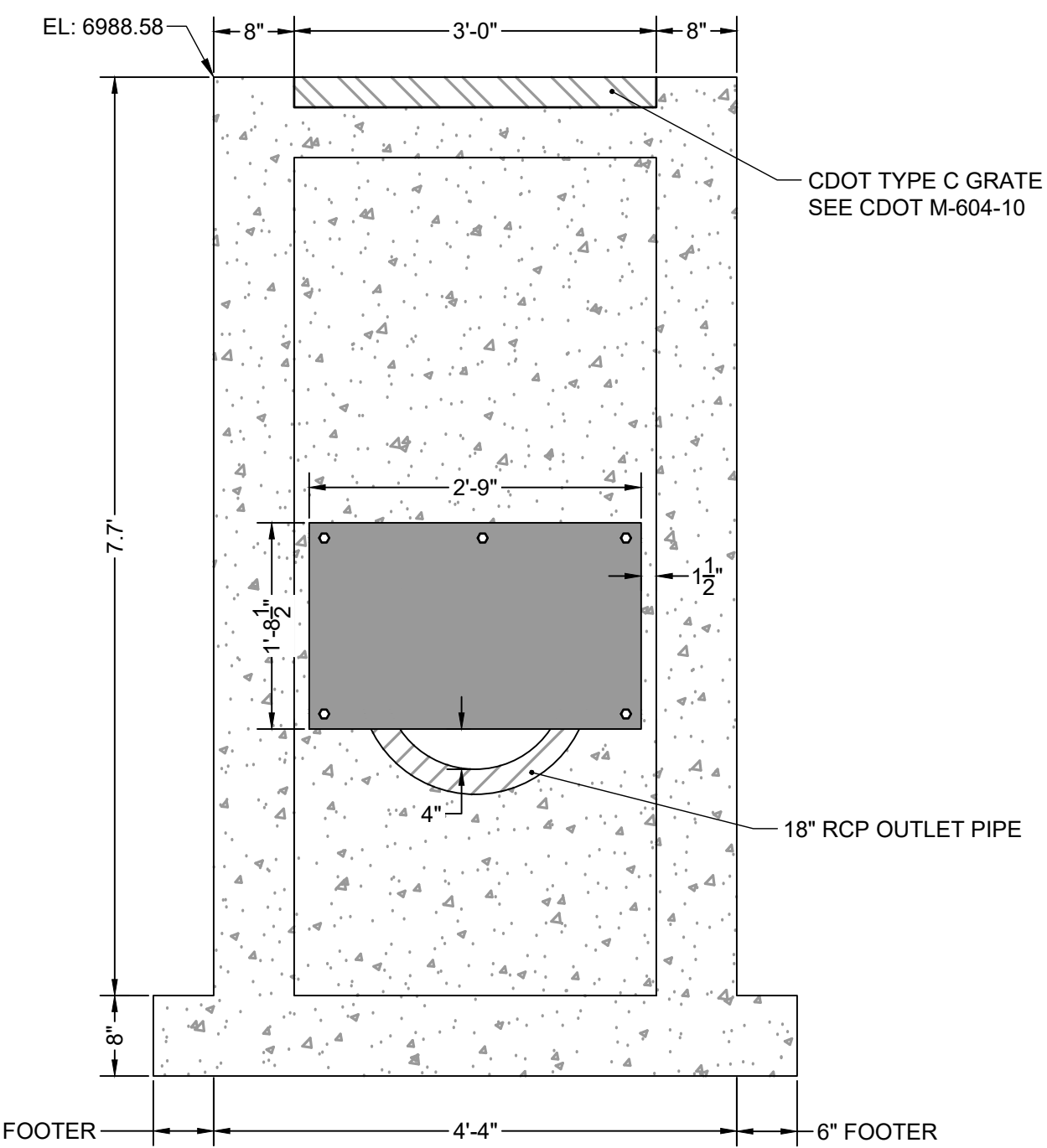
ELEVATION VIEW  
FRONT FACE  
SCALE: 3/4" = 1'



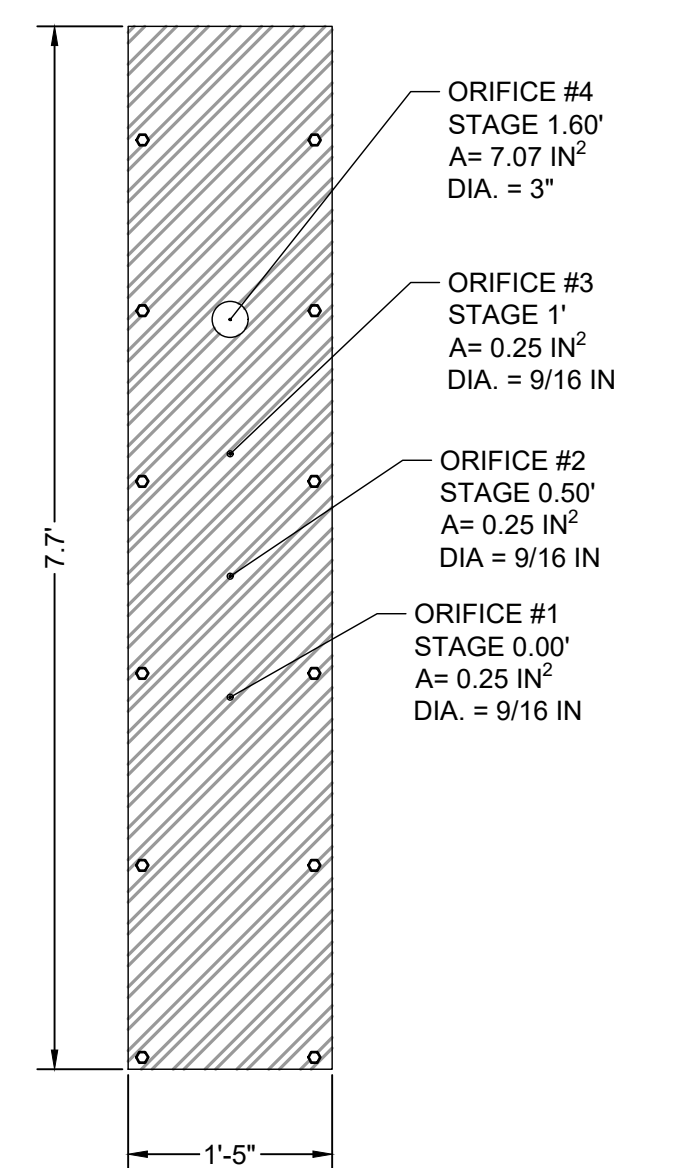
ELEVATION VIEW  
TRASH SCREEN  
SCALE: 3/4" = 1'



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



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



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

**ORIFICE PLATE NOTES:**

1. PLATE TO BE 3/8" THICK GALVANIZED STEEL..
2. BOLT PLATE TO CONCRETE 16" O.C. MAX.
3. PROVIDE CONTINUOUS NEOPRENE GASKET MATERIAL BETWEEN THE ORIFICE PLATE AND CONCRETE

**TRASH SCREEN NOTES:**

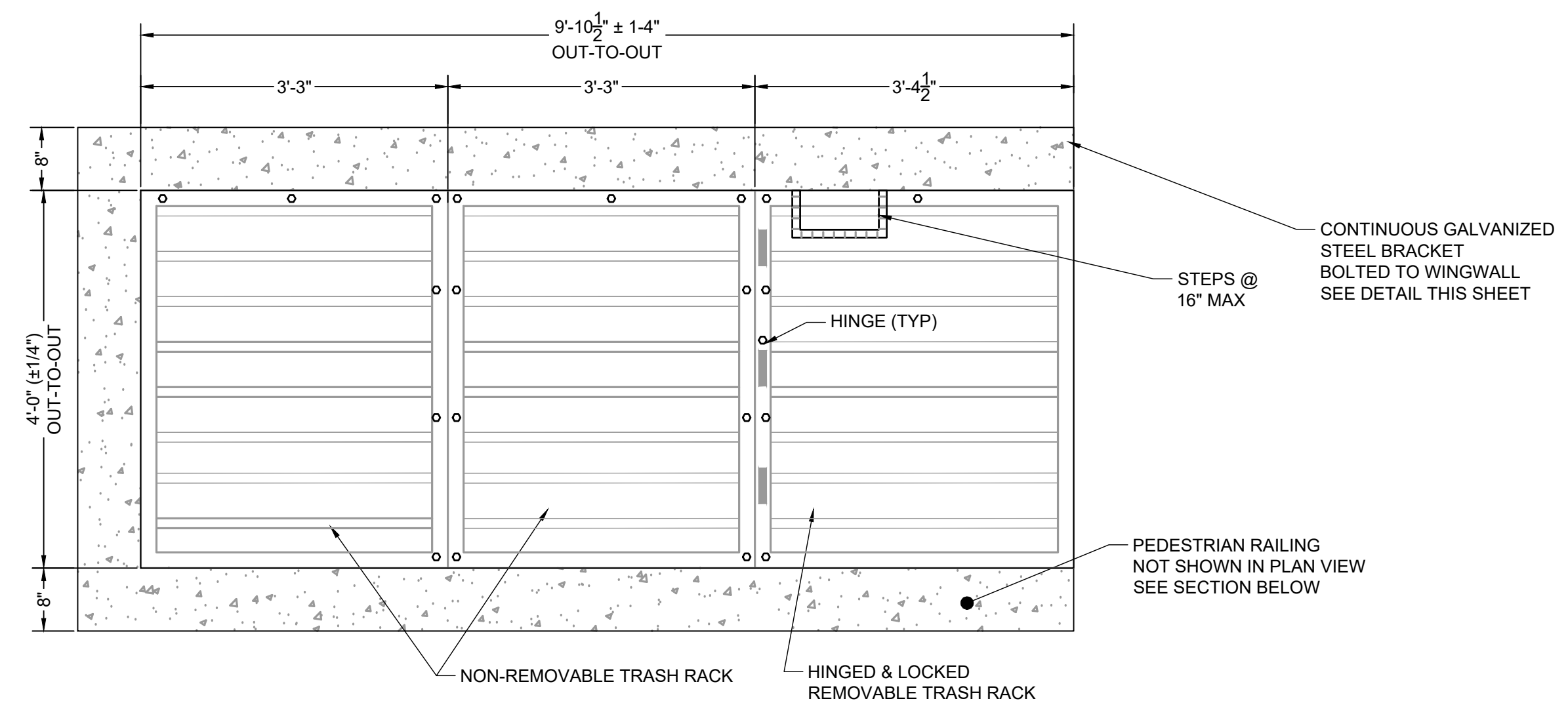
1. WELL-SCREEN TRASH RACKS SHALL BE STAINLESS STEEL AND SHALL BE ATTACHED BY INTERMITTENT WELDS ALONG THE EDGE OF THE MOUNTING FRAME.
2. BAR GATE TRASH RACKS SHALL BE ALUMINUM AND SHALL BE BOLTED USING STAINLESS STEEL HARDWARE.
3. TRASH RACK OPEN AREAS ARE FOR SPECIFIED TRASH RACK MATERIALS. TOTAL TRASH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

**TRASH RACK NOTES:**

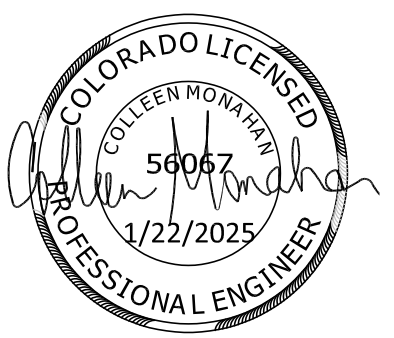
1. TRASH RACKS SHALL BE 1 1/2" SCH. 40 STEEL PIPE, GALVANIZED, @ 6" CENTERS. SUPPORT BARS SHALL BE 1/2" x 2" STEEL RECTANGULAR BARS, GALVANIZED, @ 36". ALL TRASH RACKS SHALL BE MOUNTED USING STAINLESS STEEL HARDWARE.
2. REMOVABLE TRASH RACK SECTIONS SHALL BE MOUNTED USING STAINLESS STEEL HARDWARE AND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

**RESTRICTOR PLATE NOTES:**

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



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



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 EL PASO COUNTY, COLORADO

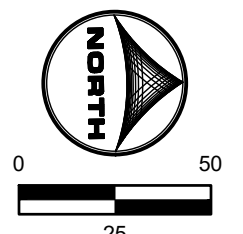
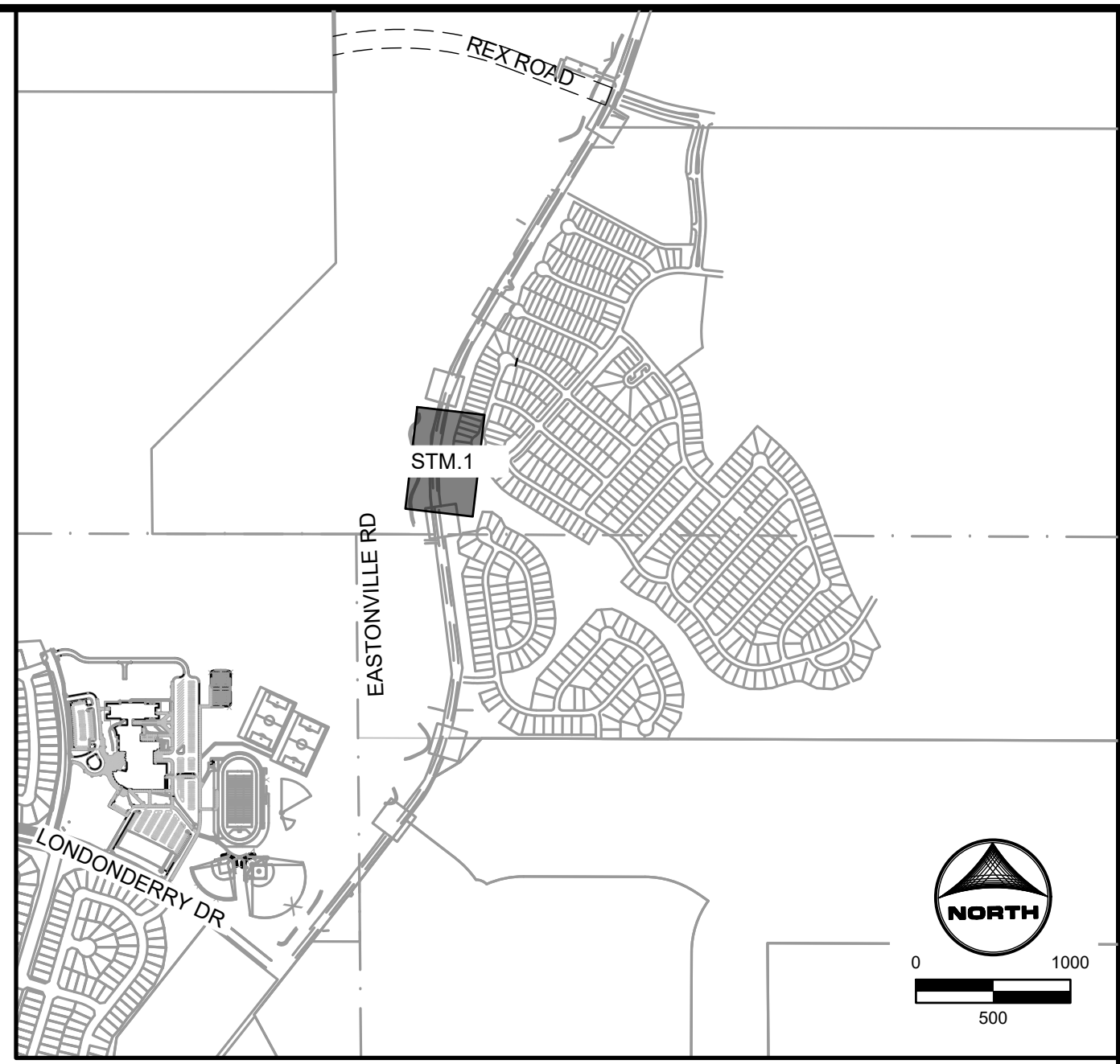
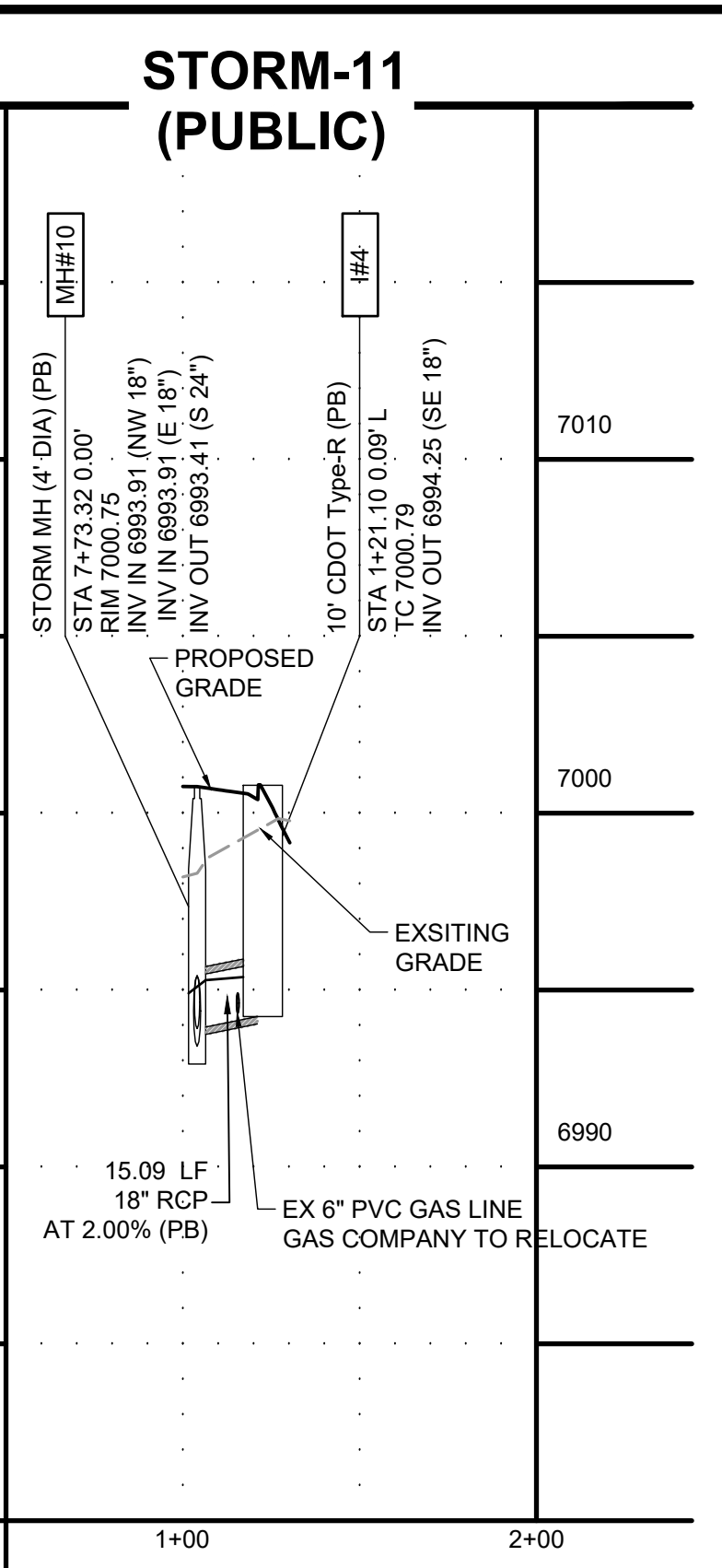
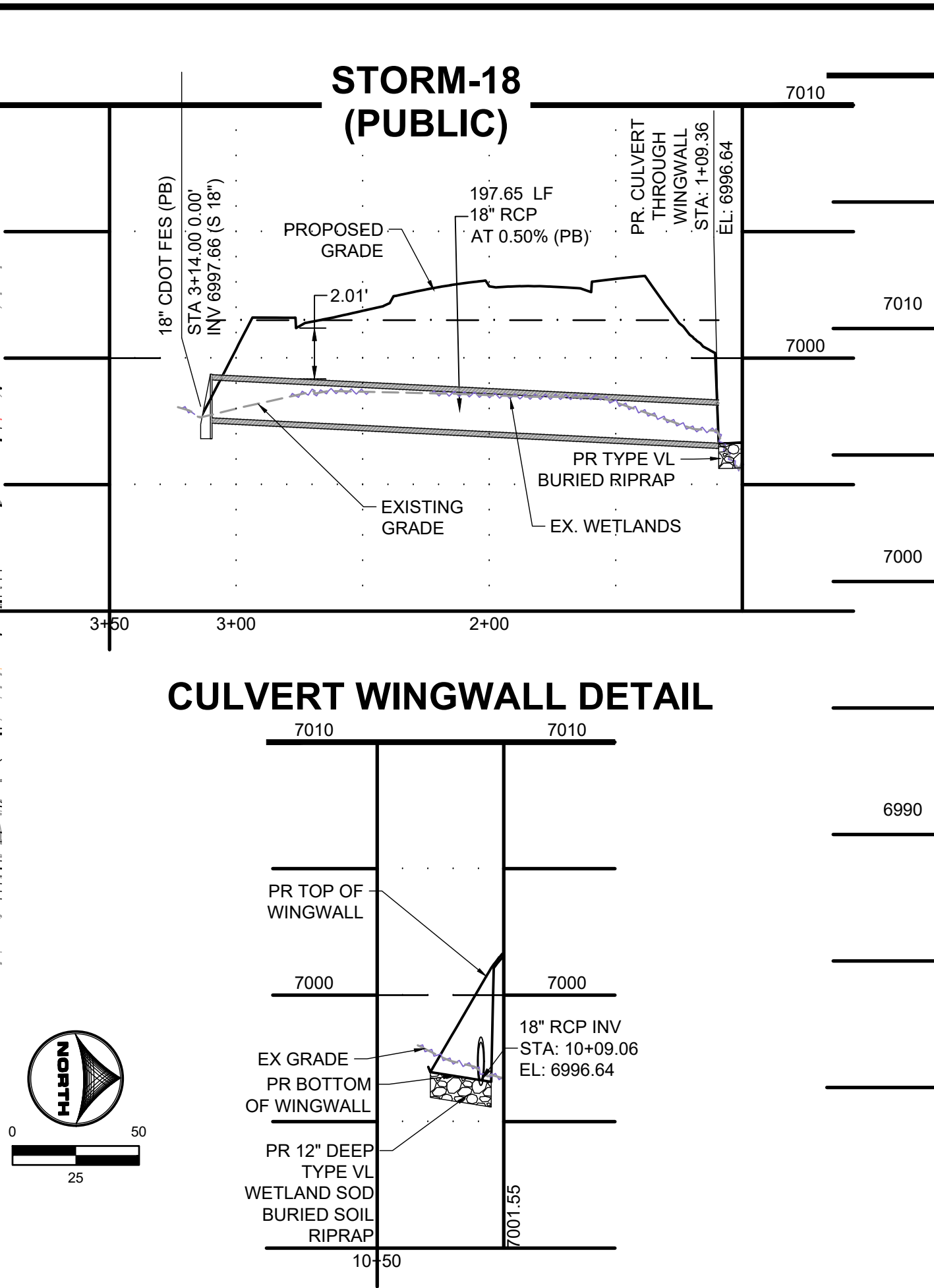
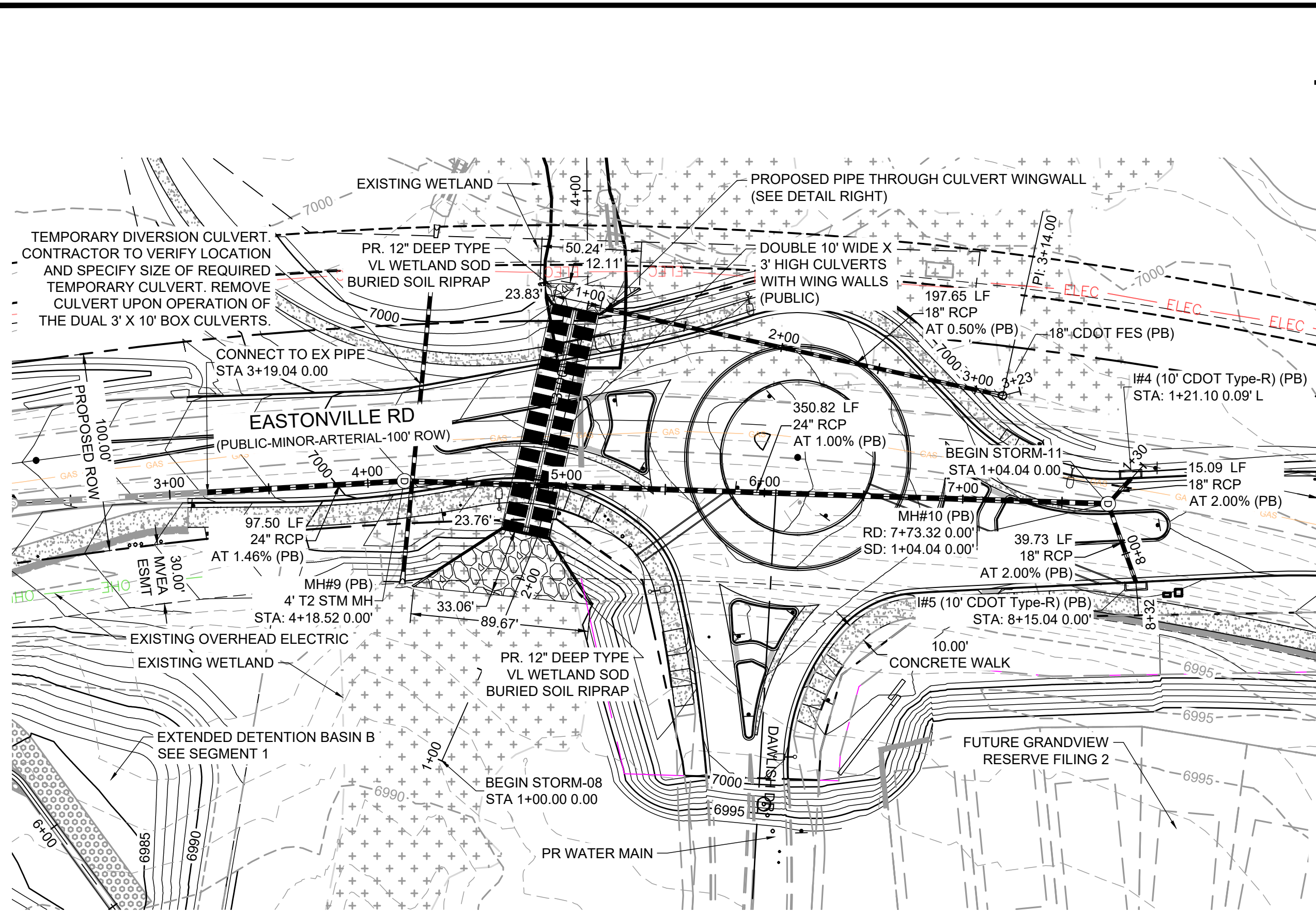


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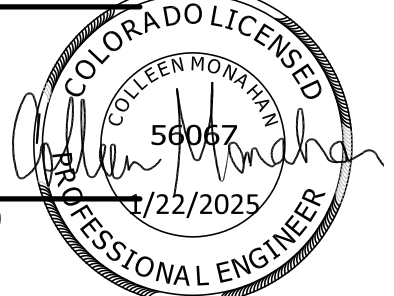
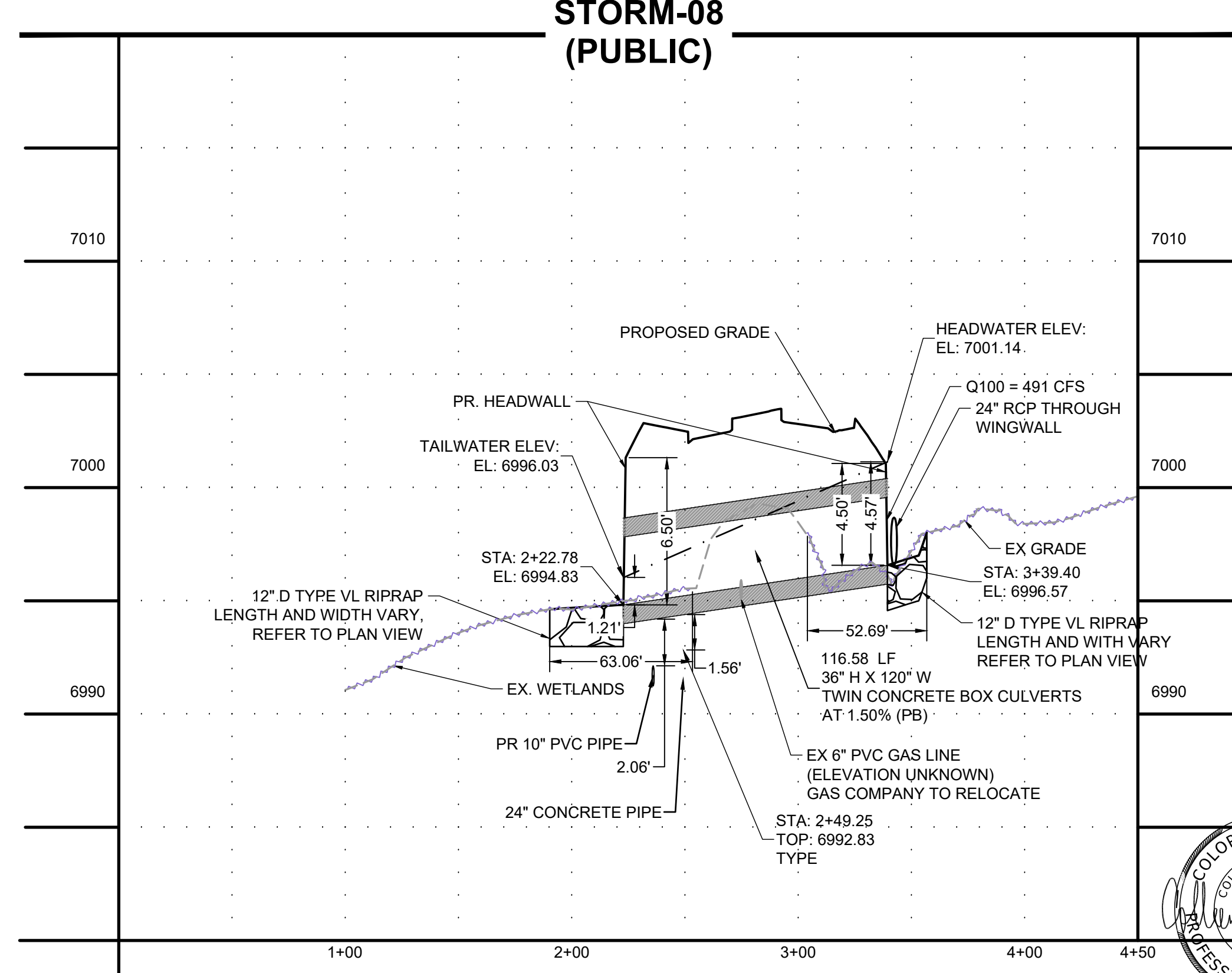
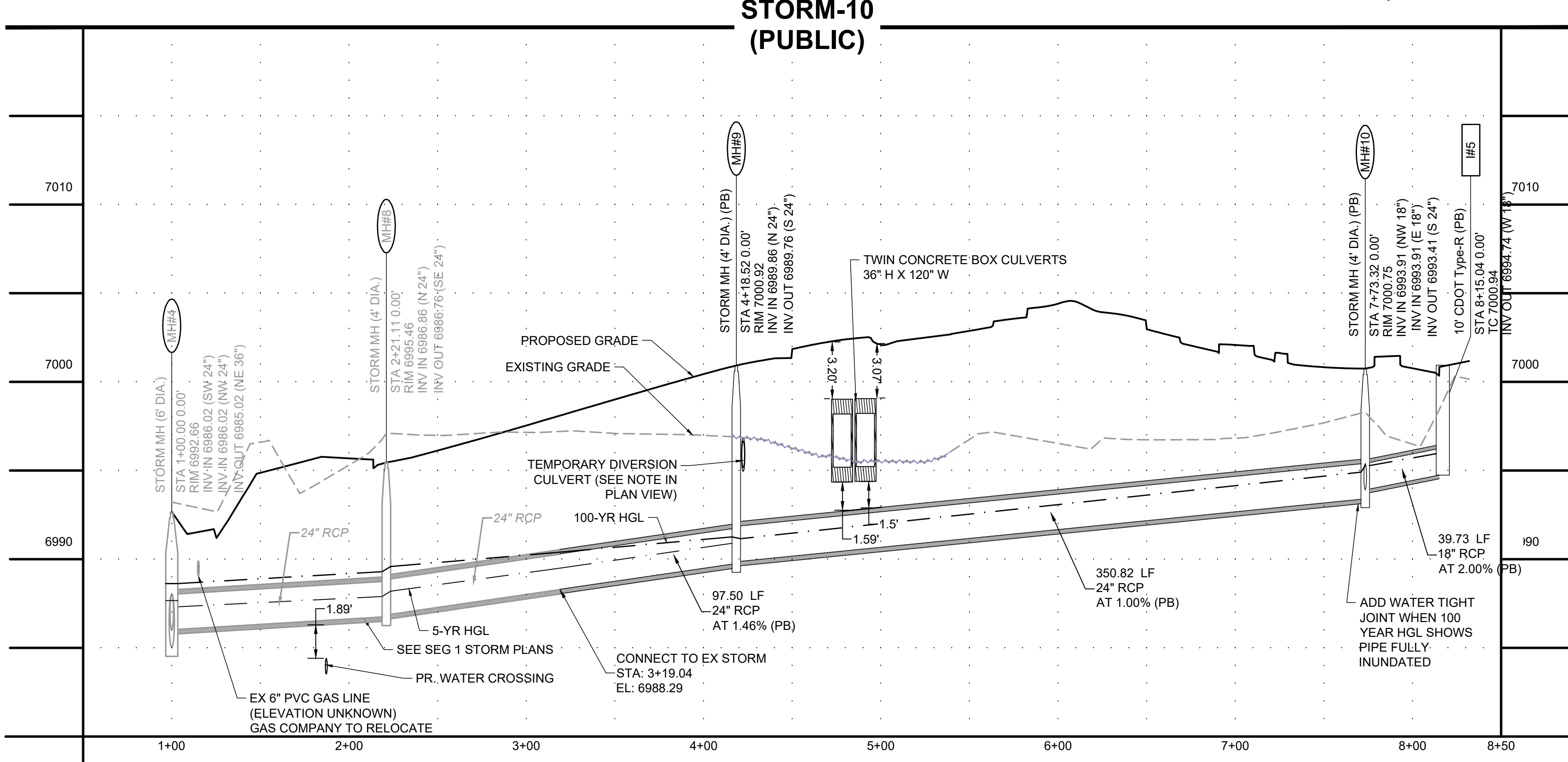
SHEET  
 PD.5 77



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**SUPPLEMENTAL LEGEND:**  
 EXISTING WETLANDS



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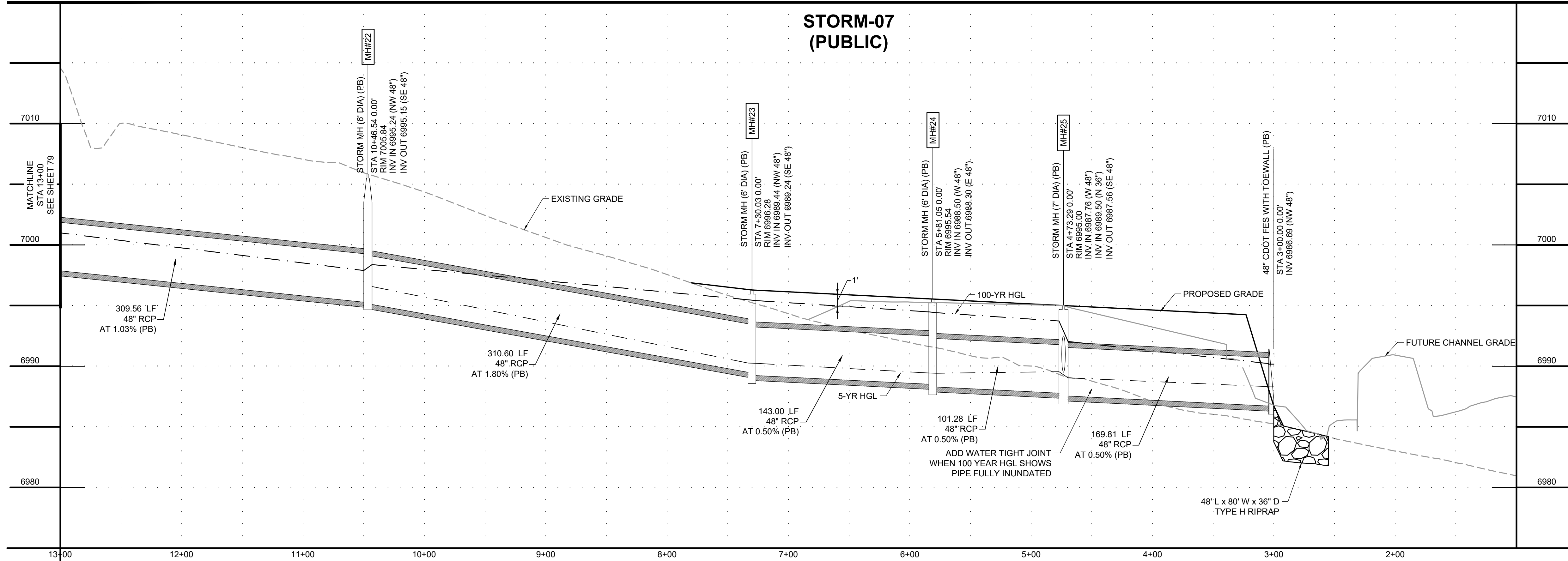
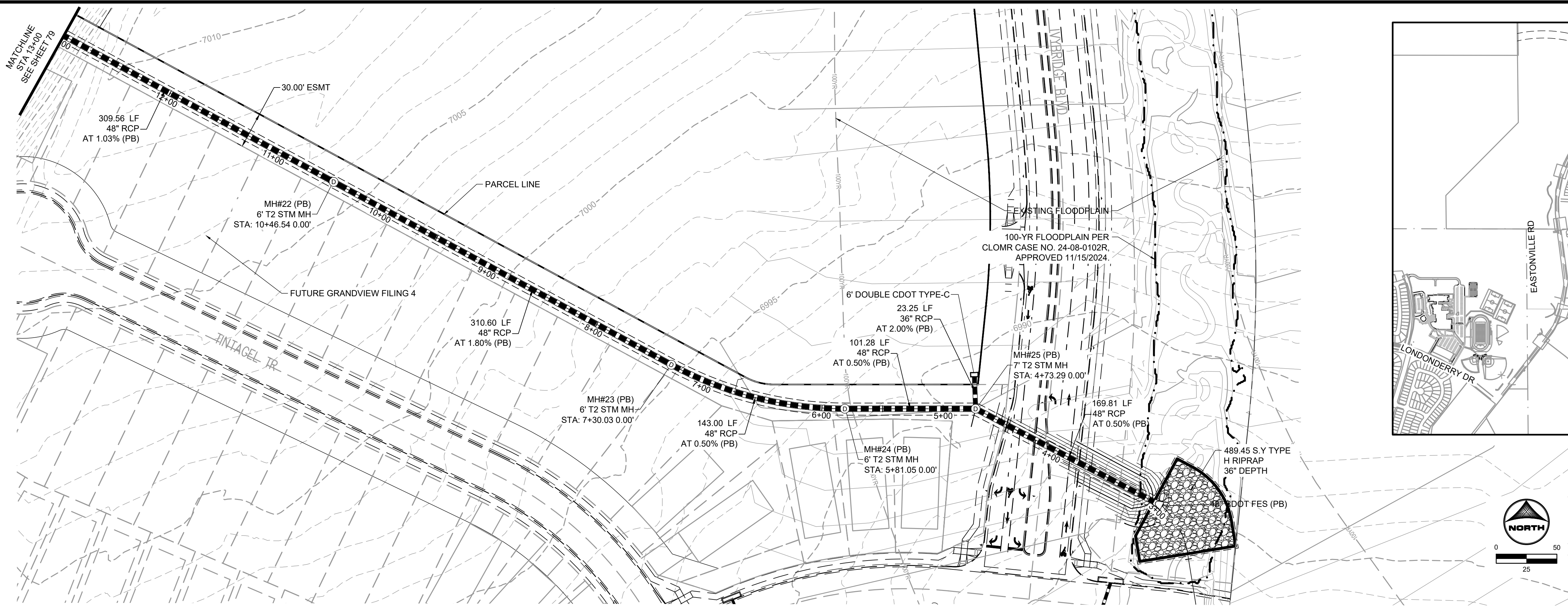
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 STORM PLAN & PROFILE I

SHEET  
**STM.1** 78



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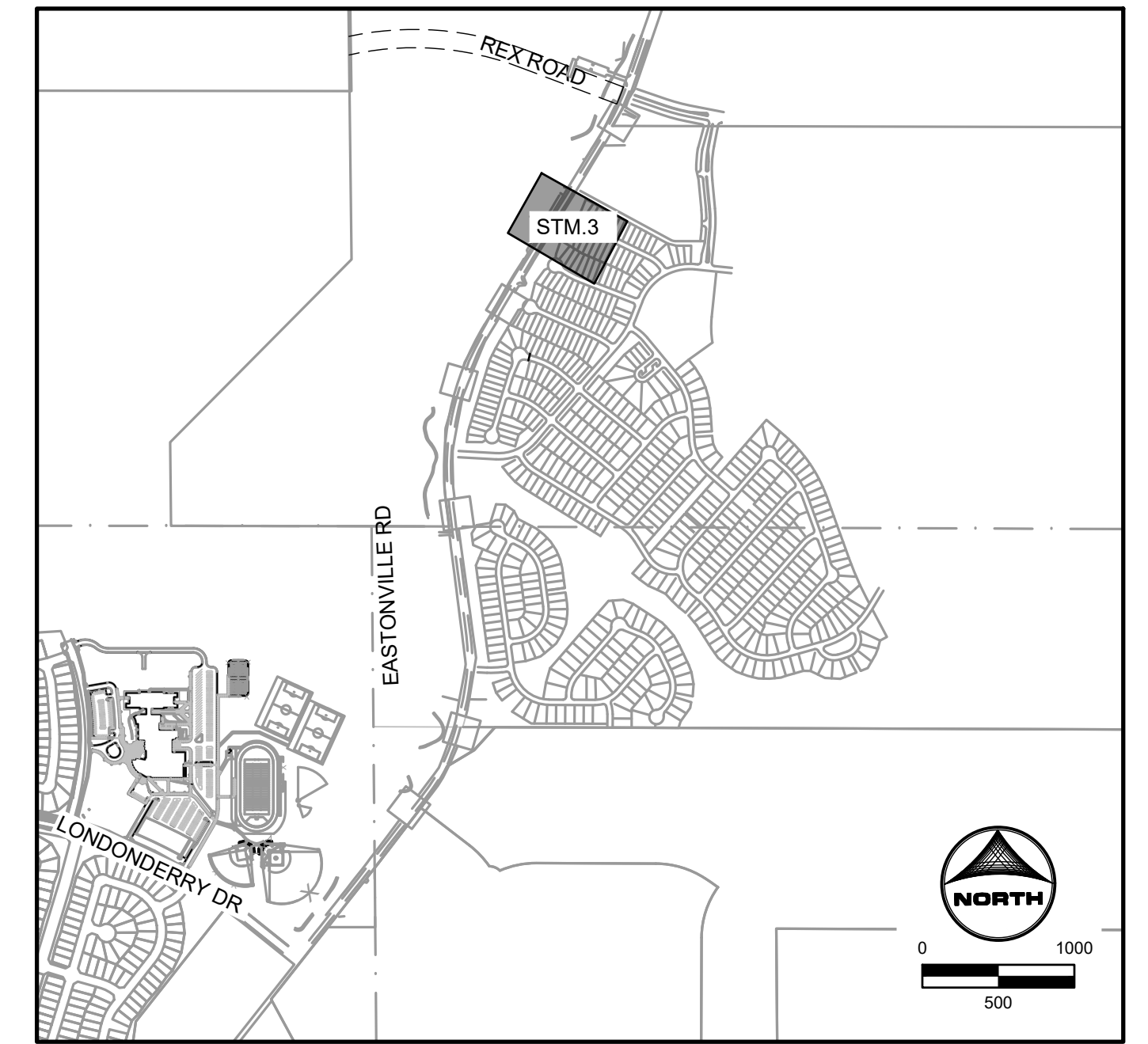
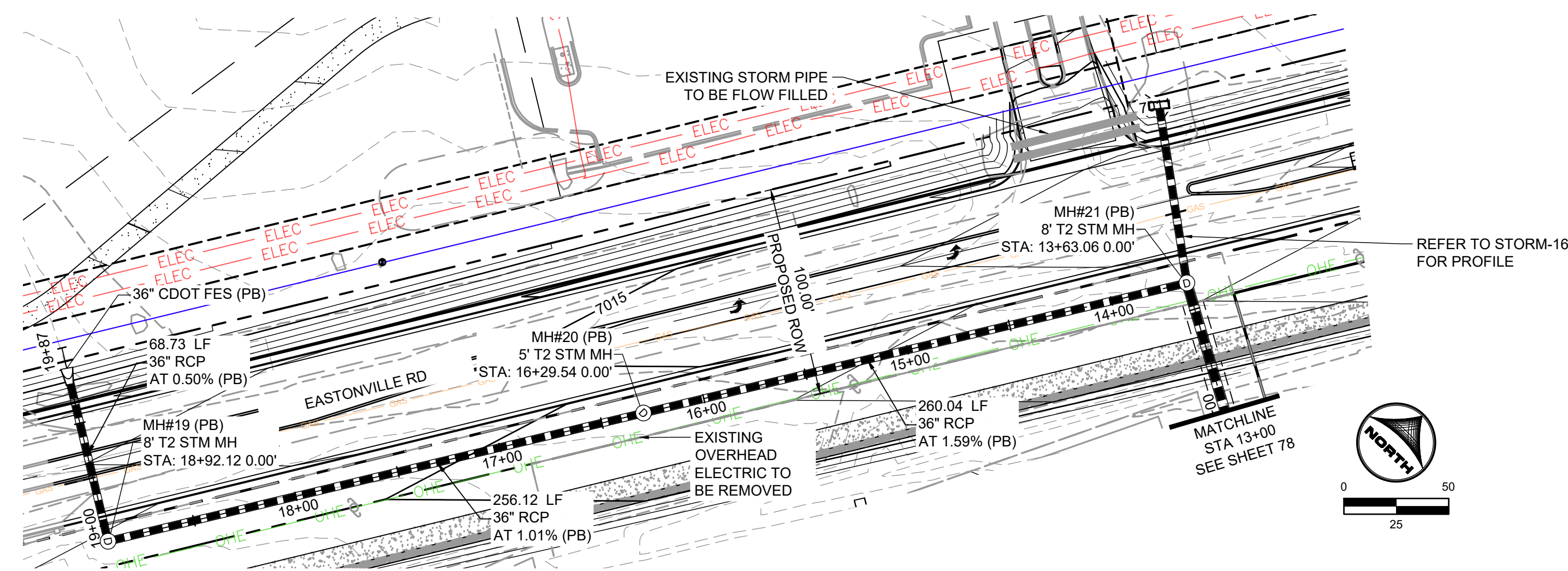
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 America's Builder

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

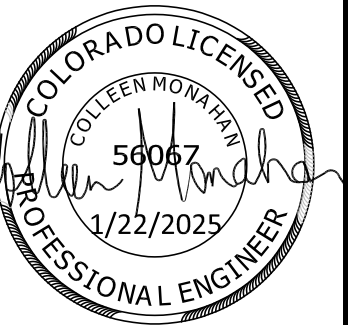
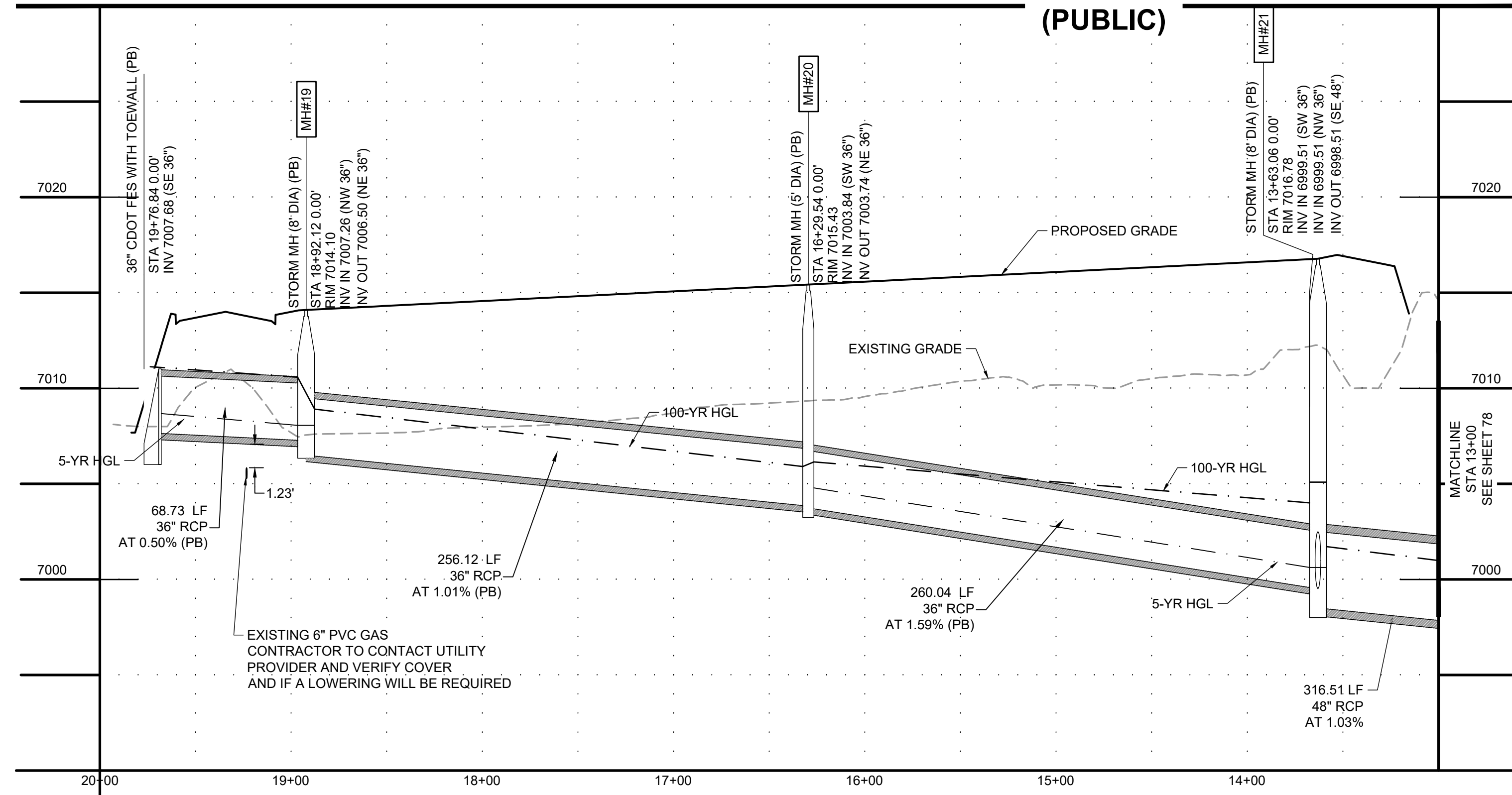
SHEET  
**STM.2** 79



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) SHEET STM.3 80  
 STORM PLAN & PROFILE II  
 DRAWN BY: AXB JOB DATE: 1/3/2025 BAR IS ONE INCH ON OFFICIAL DRAWINGS: 0" = 1"  
 APPROVED: CPM JOB NUMBER: 201662.08 IF NOT ONE INCH, ADJUST SCALE ACCORDINGLY  
 CAD DATE: 1/20/2025  
 CAD FILE: J:\2020\201662\CAD\Drawings\Eastonville\_Road\_662.08\Segment\_3\CDD\Road\_CDs\Storm\_PNP



**STORM-07 (PUBLIC)**



EDARP FILING NO. CDR2321

DRAWN BY: AXB JOB DATE: 1/3/2025  
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 CAD DATE: 1/20/2025  
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NO.	DATE	BY	REVISION DESCRIPTION



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 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)  
 STORM PLAN & PROFILE II

SHEET  
**STM.3**  
**80**







**GENERAL PROJECT NOTES**

NOTE: SEE ARCHITECTURAL DRAWINGS FOR ADDITIONAL CONSTRUCTION REQUIREMENTS

- MATERIALS AND INSTALLATION SHALL COMPLY WITH CODES, LAWS AND ORDINANCES OF FEDERAL, STATE AND LOCAL GOVERNING BODIES HAVING JURISDICTION.
- MATERIALS AND EQUIPMENT SHALL BE LISTED AND/OR LABELED BY U.L., ETL, CSA OR ANOTHER RECOGNIZED TESTING LAB. ALL MATERIAL, EQUIPMENT, WIRING DEVICES, ETC. SHALL BE NEW, UNLESS SPECIFICALLY INDICATED AS EXISTING TO BE REUSED.
- THE CONTRACTOR SHALL PREPARE AND SUBMIT TO GOVERNMENTAL AGENCIES AND UTILITY COMPANIES SHOP DRAWINGS REQUIRED BY THESE AGENCIES FOR APPROVAL. THE CONTRACTOR SHALL SECURE AND PAY FOR ALL PERMITS, GOVERNMENTAL FEES, TAXES AND LICENSES NECESSARY FOR THE PROPER EXECUTION AND COMPLETION OF THE ELECTRICAL WORK. THIS CONTRACTOR SHALL SECURE AND PAY ALL FEES AND PERMITS PERTAINING TO THIS CONTRACT. SHALL BE RESPONSIBLE FOR WORKERS IDENTIFICATION AND BADGING, SAFETY, AND LIABILITY INSURANCE. PROVIDE BARRICADES, WARNING SIGNS, AND TRASH REMOVAL FOR THE SAFETY OF THE WORKERS UNDER THIS CONTRACTOR'S EMPLOY.
- THE CONTRACTOR SHALL NOTIFY THE ARCHITECT/ENGINEER/OWNER OF ANY MATERIALS OR APPARATUS BELIEVED TO BE INADEQUATE, UNSUITABLE, IN VIOLATION OF LAWS, ORDINANCES, RULES OR REGULATIONS OF AUTHORITIES HAVING JURISDICTION.
- THE CONTRACTOR SHALL CAREFULLY EXAMINE THE CONTRACT DOCUMENTS, VISIT THE SITE, AND THOROUGHLY BECOME FAMILIAR WITH THE BUILDING STANDARDS, LOCAL JURISDICTIONAL CODES AND REQUIREMENTS, AND LOCAL CONDITIONS RELATING TO THE WORK. FAILURE TO DO SO WILL NOT RELIEVE THE CONTRACTOR OF THE OBLIGATIONS OF THE CONTRACT. SUBMISSION OF PROPOSAL IN CONNECTION WITH THIS WORK SHALL IMPLY THAT THE BIDDER HAS EXAMINED THE JOB SITE. NO EXTRA CHARGE WILL BE ALLOWED FOR CHANGES AS A RESULT FROM FAILURE TO EXAMINE THE JOB SITE.
- THE CONTRACTOR SHALL PROVIDE TEMPORARY POWER AND WIRING FOR THE PERFORMANCE OF ALL TRADES, FOR THE ENTIRE PERIOD OF CONSTRUCTION AND SHALL REMOVE ALL TEMPORARY WIRING AT THE COMPLETION OF CONSTRUCTION.
- ALL MATERIALS AND EQUIPMENT SHALL BE ERECTED, INSTALLED, CONNECTED, CLEANED, ADJUSTED, TESTED, CONDITIONED, AND PLACED IN SERVICE IN ACCORDANCE WITH THE MANUFACTURER'S DIRECTIONS AND RECOMMENDATIONS.
- ALL WORK REQUIRED FOR THE INSTALLATION AS SHOWN ON DRAWINGS INCLUDING LABOR, EQUIPMENT AND MATERIALS SHALL BE IN STRICT COMPLIANCE WITH THE GOVERNING STANDARDS.
- WIRE NO. 8 AND SMALLER INSTALLED IN DRY LOCATIONS SHALL BE TYPE THWN OR THHN THERMOPLASTIC 600V INSULATED COPPER CONDUCTORS. NO WIRE SMALLER THAN NO 12 SHALL BE USED FOR LIGHTING OR POWER WIRING. WIRE NO. 8 AND LARGER SHALL BE STRANDED. ALL CONDUCTORS INSTALLED IN EXTERIOR OR WET LOCATIONS SHALL BE TYPE THWN 600V INSULATED COPPER CONDUCTORS.
- E.C. TO FIELD VERIFY BRANCH CIRCUIT LENGTHS AND INCREASE CONDUCTOR SIZES AS REQUIRED TO COMPENSATE FOR VOLTAGE DROP.
- THE E.C. SHALL INCLUDE IN HIS COST THE REMOVAL OF ALL EXISTING ELECTRICAL DEVICES, CONDUITS, FIXTURES AND EQUIPMENT THAT IS NOT TO BE REUSED. DISCARD ALL EQUIPMENT AS REQUIRED. E.C. SHALL BE RESPONSIBLE FOR DISCONNECTING PRIMARY SERVICE AND TEMPORARY POWER.
- PROVIDE WARRANTY GUARANTEED FOR A PERIOD OF ONE YEAR AFTER COMPLETION AND ACCEPTANCE. REPLACE ALL DEFECTIVE WORKMANSHIP, EQUIPMENT AND MATERIALS WITHOUT ADDITIONAL CHARGES.
- THIS CONTRACTOR SHALL BE RESPONSIBLE FOR THE SAFEKEEPING OF HIS/HER OWN PROPERTY ON THE JOB SITE. THE OWNER OR TENANT ASSUMES NO RESPONSIBILITY FOR PROTECTION OF THIS CONTRACTOR'S PROPERTY AGAINST FIRE, THEFT, OR ENVIRONMENTAL CONDITIONS.
- SUBMIT AN ELECTRONIC COPY OR SIX (6) SETS OF SHOP DRAWINGS, CONTROL DIAGRAMS, AND EQUIPMENT CUTS TO THE ENGINEER FOR APPROVAL PRIOR TO STARTING RELATED WORK. SHOP DRAWINGS SHALL INCLUDE MANUFACTURER'S NAMES, CATALOG NUMBERS, CUTS, DIAGRAMS AND OTHER SUCH DESCRIPTIVE DATA AS MAY BE REQUIRED TO IDENTIFY AND REVIEW THE EQUIPMENT. SUBMITTALS SHALL BE IN LOGICAL GROUPS. PARTIAL SUBMITTALS WILL NOT BE REVIEWED.
- UPON COMPLETION OF CONSTRUCTION, SUPPLY THE ENGINEER WITH ONE COMPLETE SET OF FULL SIZE AS-BUILT DRAWINGS. PROVIDE THE OWNER WITH THREE (3) SETS OF OPERATION AND MAINTENANCE MANUALS FOR EACH TYPE OF EQUIPMENT INSTALLED.
- THIS CONTRACTOR SHALL ASSUME ALL ADDED EXPENSES TO ALL TRADES ASSOCIATED WITH THE INSTALLATION OF SUBMITTED AND APPROVED ALTERNATE EQUIPMENT.
- IF ANY CHANGES ARE MADE TO ACCOMMODATE FIELD CONDITIONS NOTIFY THE ENGINEER IMMEDIATELY OF WHAT THE CHANGES WERE, THE REASON FOR THE CHANGES, AND THE COST IMPACTS.
- LOCATE ALL ELECTRICAL SWITCHBOARDS, PANELBOARDS AND ELECTRICAL DISTRIBUTION EQUIPMENT IN DEDICATED SPACES AND PROTECTED FROM DAMAGE WITH ADEQUATE WORKING CLEARANCE ACCORDANCE WITH NEC 110 REQUIREMENTS. PROVIDE PROTECTION FROM ANY FOREIGN SYSTEM INSTALLED ABOVE THE DEDICATED EQUIPMENT SPACE PER NEC 110.26(E).
- SERVICE EQUIPMENT SHALL BE MARKED TO IDENTIFY IT AS BEING SUITABLE FOR USE AS SERVICE EQUIPMENT PER NEC 230.66.
- ALL LIGHTING AND ELECTRICAL EQUIPMENT SHALL BE LOCATED WITHIN THE RIGHT OF WAY.
- UNLESS OTHERWISE NOTED, THE WORK DESCRIBED ON THE PLANS SHALL INCLUDE ALL LABOR AND MATERIALS FOR COMPLETE AND OPERATIONAL ELECTRICAL SYSTEM. FURNISH ALL REQUIRED ITEMS WHETHER SUCH ARE SPECIFICALLY SHOWN OR NOT.
- INFORMATION SHOWN ON THE DRAWINGS IS DIAGRAMMATIC ONLY AND SHALL NOT BE SCALED. OBTAIN AND VERIFY EXACT LOCATIONS, MEASUREMENTS, LAYERS, SPACE REQUIREMENTS, POTENTIAL CONFLICTS AMONG TRADES, ETC. THE CONTRACTOR IS RESPONSIBLE FOR COORDINATING THE WORK OF ALL TRADES AND FOR ADJUSTING THE WORK AS REQUIRED BY THE ACTUAL CONDITIONS OF THE PROJECT.
- SCHEDULE THE WORK TO CONFORM TO THE PROGRESS OF THE OTHER TRADES. COORDINATE ALL INSTALLATION AND ROUGH-IN REQUIRED.
- INSTALL ALL EQUIPMENT AND MATERIALS IN ACCORDANCE WITH INFORMATION INDICATED ON THE DRAWINGS AND IN FULL ACCORDANCE WITH MANUFACTURER'S RECOMMENDATIONS.
- ALL MATERIALS SHALL BE NEW, SHALL BE SUITABLE FOR THE PURPOSE, AND SHALL BEAR THE UL LABEL.
- CONTRACTOR IS RESPONSIBLE TO MAINTAIN INTEGRITY OF ELECTRICAL SYSTEMS THAT MAY BE AFFECTED BY CONSTRUCTION WORK INCLUDING, BUT NOT LIMITED TO, EXISTING TRAFFIC AND LIGHTING WIRING AND CONDUIT, IRRIGATION WIRING, AND COMMUNICATIONS WIRING.
- LIGHT STANDARDS SHALL NOT BE INSTALLED IN FRONT OF DRIVEWAYS OR WALKWAYS UP TO HOUSES, OR IN SUCH A WAY TO IMPEDE ACCESS TO ADJACENT PROPERTIES.
- ELECTRICAL CONTRACTOR SHALL COORDINATE WITH THE GENERAL CONTRACTOR TO AVOID STORM SEWER SYSTEM WITH ALL NEW CONDUIT CROSSINGS.
- ALL CONDUIT CROSSING DITCHES SHALL BE BELOW DITCH INVERT ELEVATION.
- CONTRACTOR SHALL AVOID PLACING ELECTRICAL/SPLICE/PULL/JUNCTION BOXES IN DITCH FLOW LINE. SET ALL BOXES ABOVE TOP OF DITCH FLOW OR OUTSIDE OF DITCH.

LUMINAIRE SCHEDULE					August 23, 2024
Label	Light Fixture Description	Specification	Lumens	Mounting	Comment
<b>Exterior Lighting</b>					
SL	Street Light	BY UTILITY Mast Arm - 6'	10,000	Pole + Base 25'-0"	1,2,3
GENERAL LIGHT FIXTURE NOTES: Apply to all fixtures wherever applicable.					
<ol style="list-style-type: none"> <li>EMERGENCY FIXTURES - All Fixtures Indicated as Emergency shall be provided with a 90-Minute Battery Pack with minimum 1300 Lumen output.</li> <li>VERIFY VOLTAGES - The E.C. shall verify voltages on drawings prior to ordering or any work, the engineer shall be notified of any discrepancies in the voltage of the circuiting on the drawings and the luminaire schedule prior to any purchase or work.</li> <li>VERIFY LAMPING - The E.C. shall verify lamping with the manufacturer prior to ordering and notify the engineer of any lamping discrepancies.</li> <li>PROVIDE A COMPLETE INSTALLATION - The E.C. shall provide all labor and material to provide a complete and functional system per the design intent as dictated by the switching type and location (including dimmer switches and compatible drivers, ballasts or transformers), ceiling type and location, circuiting, voltages, and lamping types.</li> <li>BALLAST DISCONNECT - All electric discharge luminaires shall comply with NEC 410.130 and shall have a means of disconnect for the ballast.</li> <li>DUAL LEVEL SWITCHING - For fixtures with more than one switch designation shown on plans provide fixtures with additional ballasts for dual level light control by separate switching of inboard and outboard lamps as required to conform to IECC Requirements.</li> <li>OWNER APPROVAL - Approve all light fixture types with tenant/owner before ordering any materials or any work.</li> <li>EXTERIOR LIGHTING - Fixtures installed outdoors shall be U.L. listed Wet Location and provided with cold weather drivers/ballast/battery as required for proper operation.</li> <li>DIMMING COMPATIBILITY - Fixtures noted as dimmable on plans shall be provided with dimmable drivers paired with compatible dimming controls approved by the fixture manufacturer. The E.C. shall be responsible for providing compatible LED Drivers and dimming control devices rated for connected load.</li> </ol>					
SPECIFIC FIXTURE COMMENTS: Apply to specific fixture types as noted on schedule					
<ol style="list-style-type: none"> <li>WET LOCATION - Provide fixture with U.L. Wet Location Label.</li> <li>COLD WEATHER - Provide fixture with Cold-Weather Driver/Ballasts/Battery for fixtures installed outdoors.</li> <li>0-10V Dimming - Provide low voltage wiring between all fixtures and low-voltage wallbox dimmer. Verify requirements with provider and provide all work required for a complete installation.</li> </ol>					

LIGHTING QUANTITIES			
ITEM NO.	DESCRIPTION	UNIT	TOTAL
613-00200	2 INCH ELECTRICAL CONDUIT	LF	2843
613-07002	TYPE TWO PULL BOX	EACH	22
613-13010	LUMINAIRE (LED) (10,000 LUMENS)	EACH	14
613-30250	LIGHT STANDARD ALUMINUM (25 FOOT)	EACH	14
613-40000	CONCRETE FOUNDATION PAD	EACH	3
613-40010	LIGHT STANDARD FOUNDATION	EACH	14
613-50100	LIGHTING CONTROL CENTER	EACH	3
613-50350	POWER TRANSFORMER	EACH	2
613-50365	TRANSFORMER BASE	EACH	2
General Note:		E.C. to verify all quantities before ordering any material.	



STUDIO LIGHTNING  
63 SUNSET DR.  
BAILEY, CO 80421  
303.242.1572

EDARP FILING NO. CDR2321

DRAWN BY: JMB      JOB DATE: 08/23/24  
 APPROVED: JMB      JOB NUMBER: \_\_\_\_\_  
 CAD DATE: \_\_\_\_\_  
 CAD FILE: \_\_\_\_\_

BAR IS ONE INCH ON OFFICIAL DRAWINGS.  
 0" = 1"  
 IF NOT ONE INCH, ADJUST SCALE ACCORDINGLY.

NO.	DATE	BY	REVISION DESCRIPTION



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

EASTONVILLE ROAD IMPROVEMENTS  
DR. HORTON  
EL PASO COUNTY, COLORADO



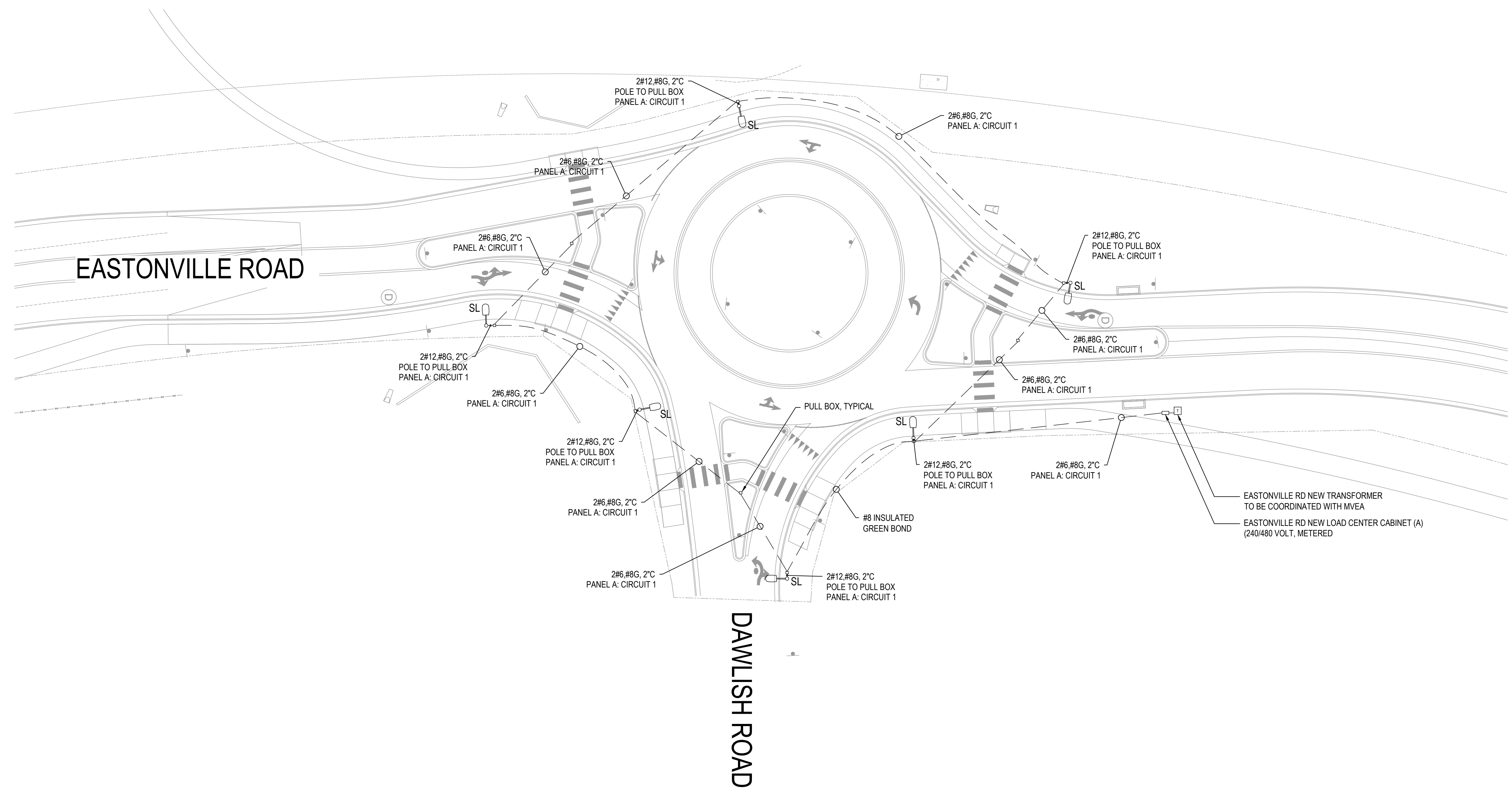
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ROUNDAABOUT LIGHTING  
PLANS

SHEET

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303.242.1572

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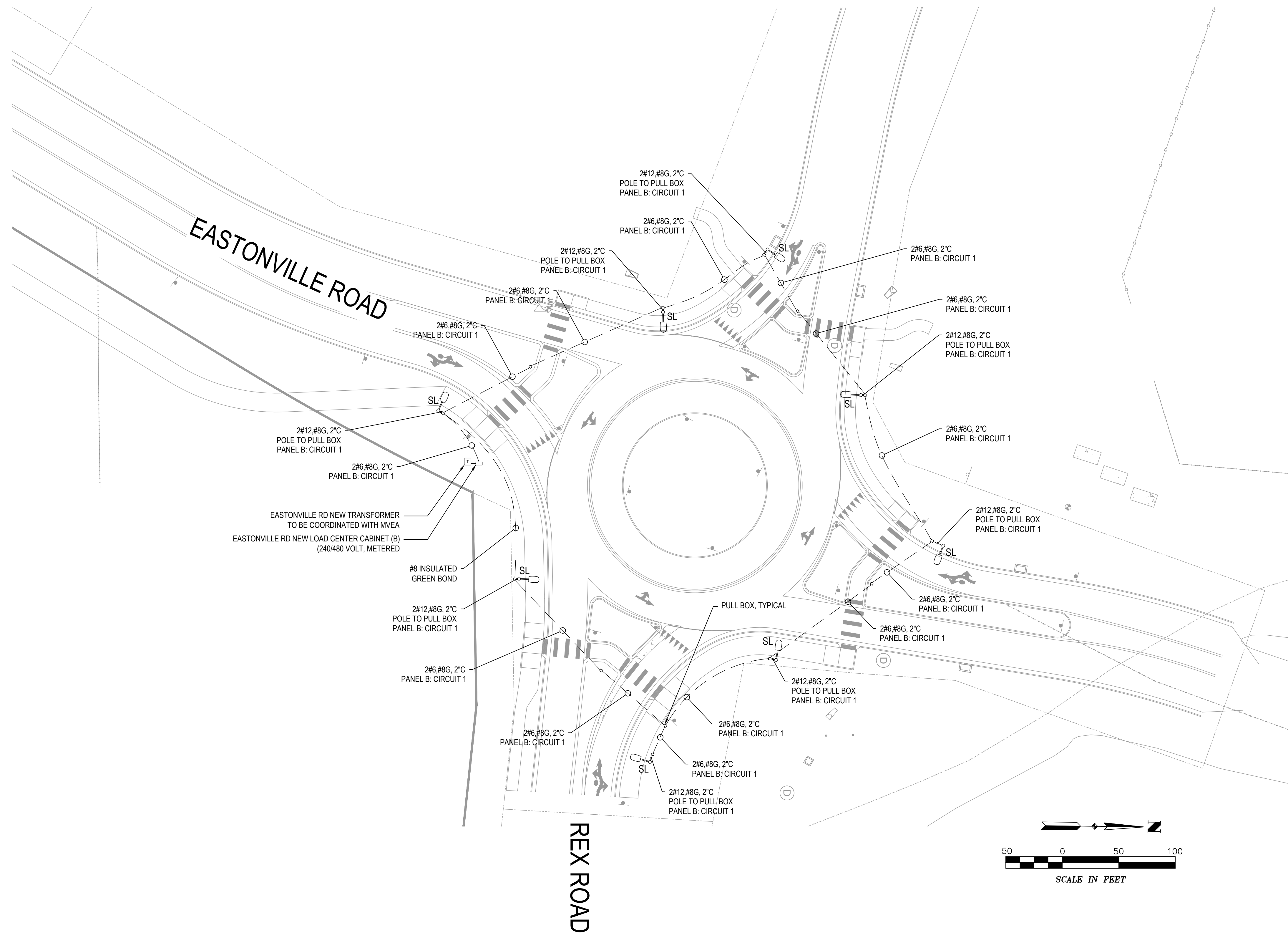


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ROUNDBOUT LIGHTING  
PLANS

SHEET  
E2

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STUDIO LIGHTING  
63 SUNSET DR  
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303.242.1572

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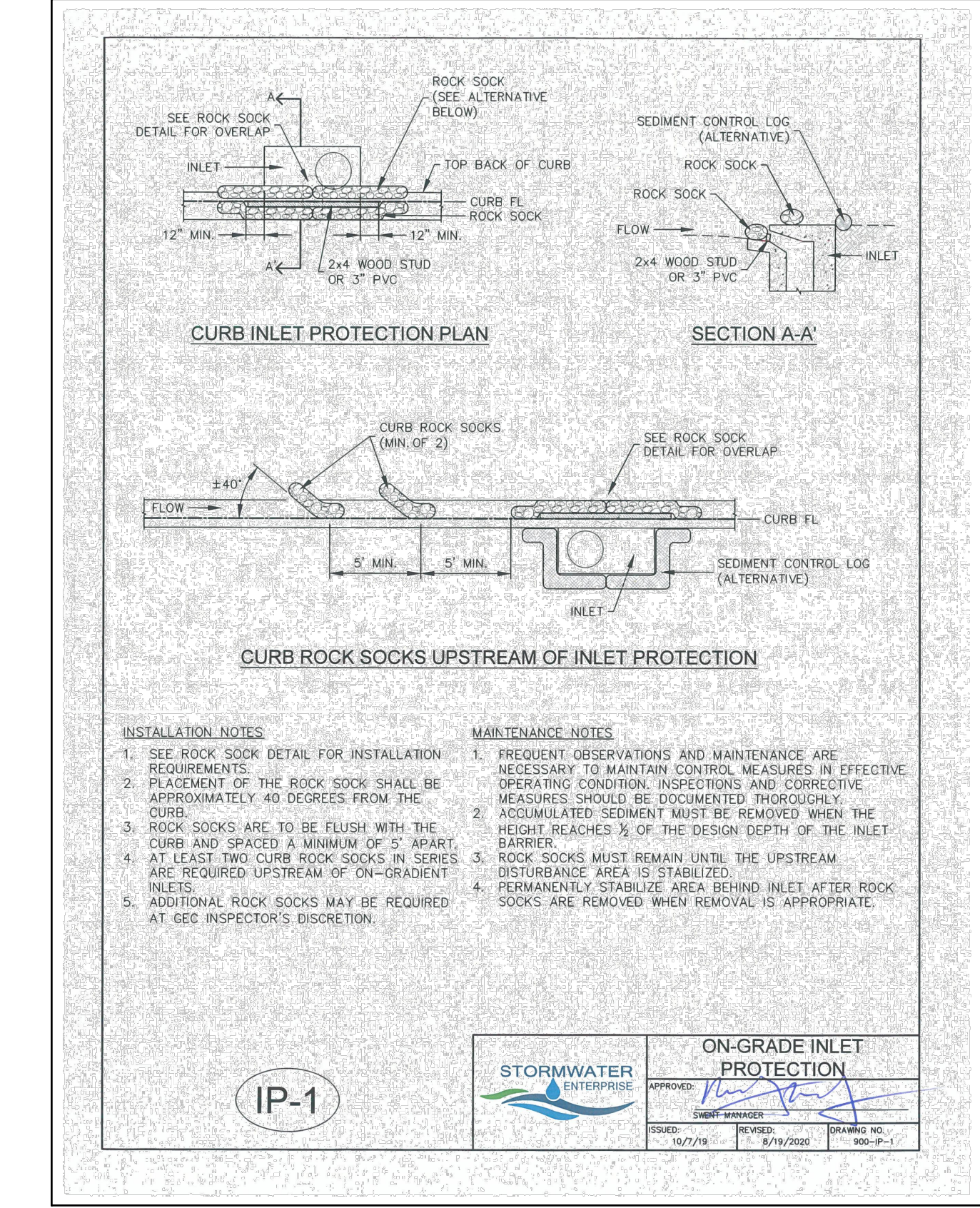
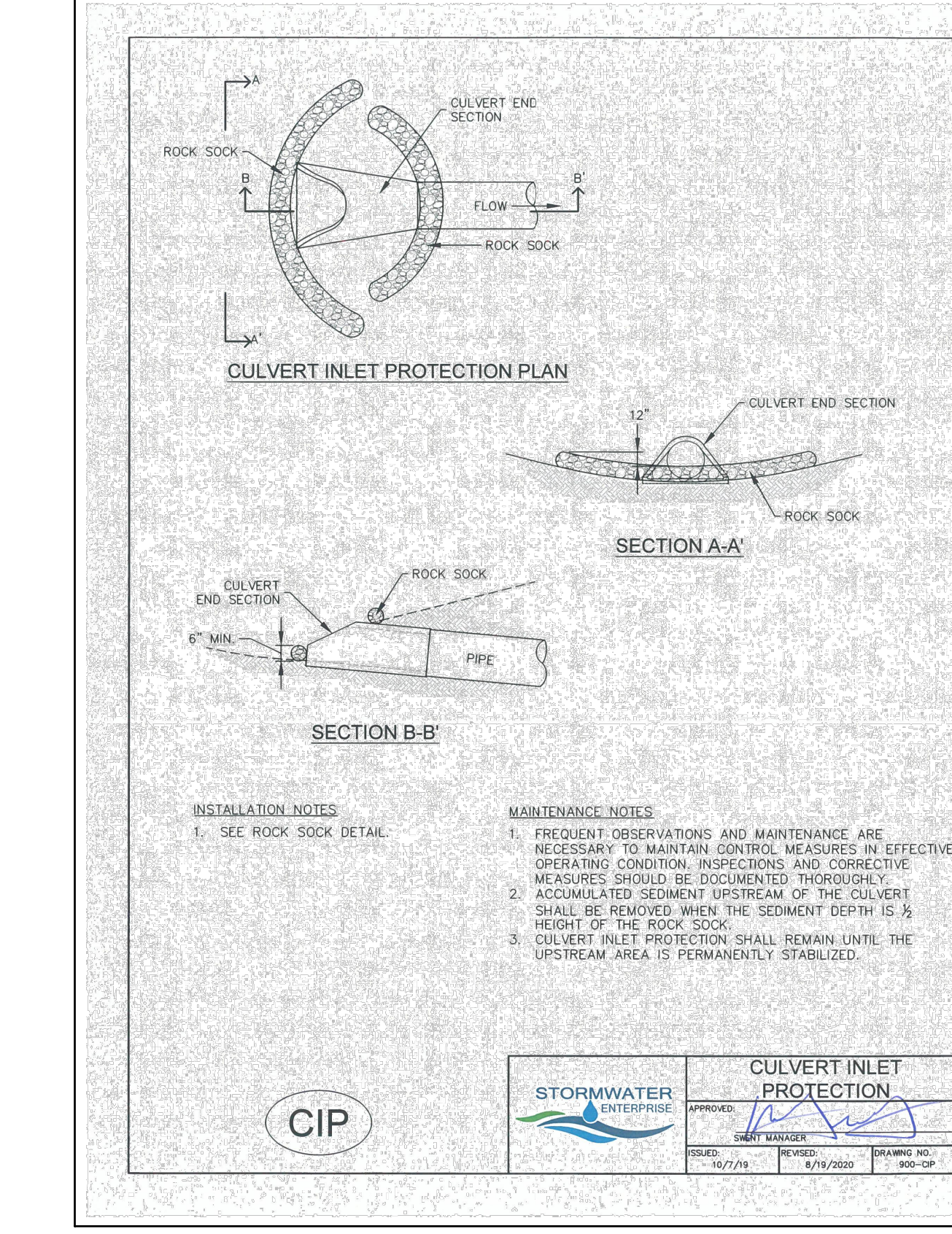
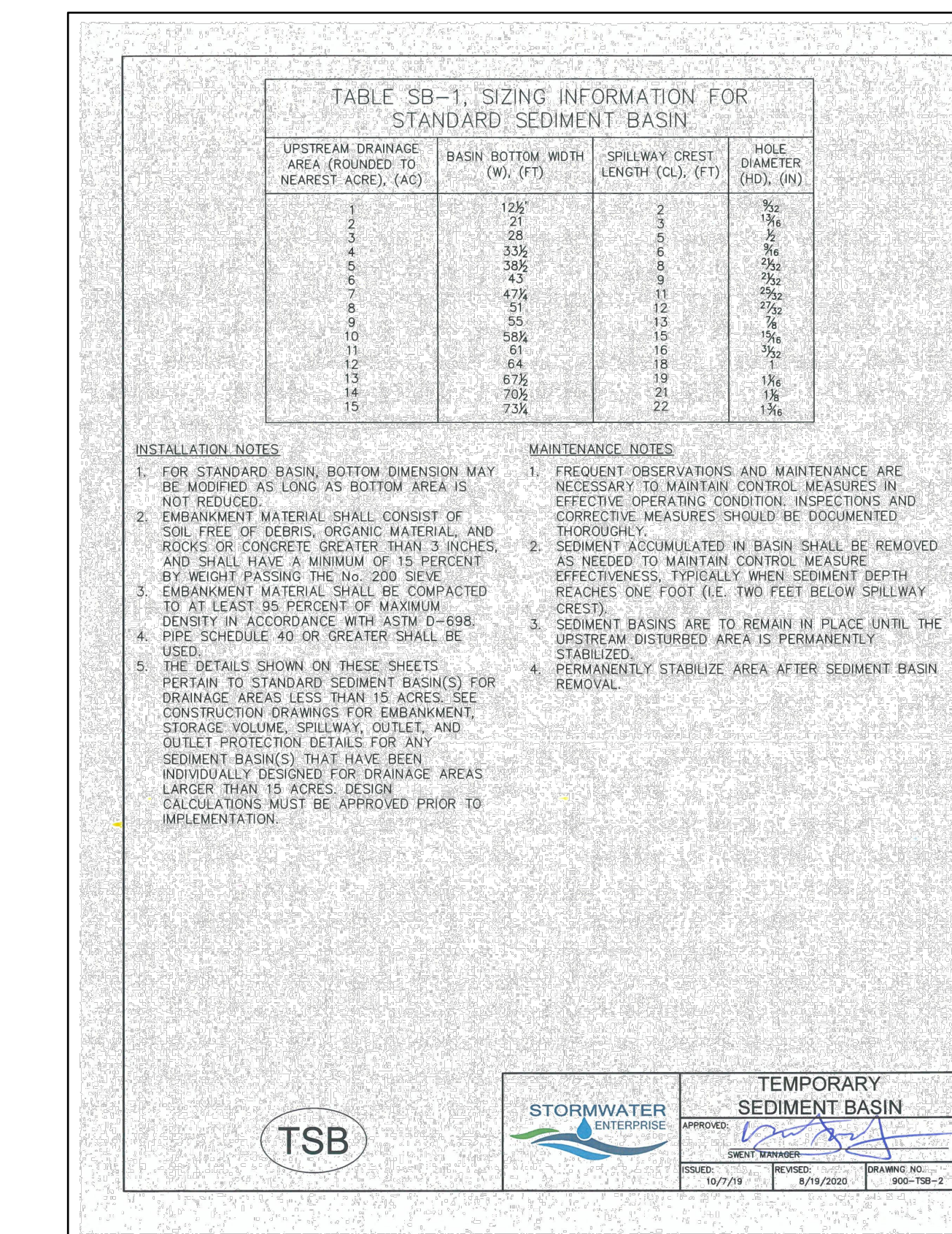
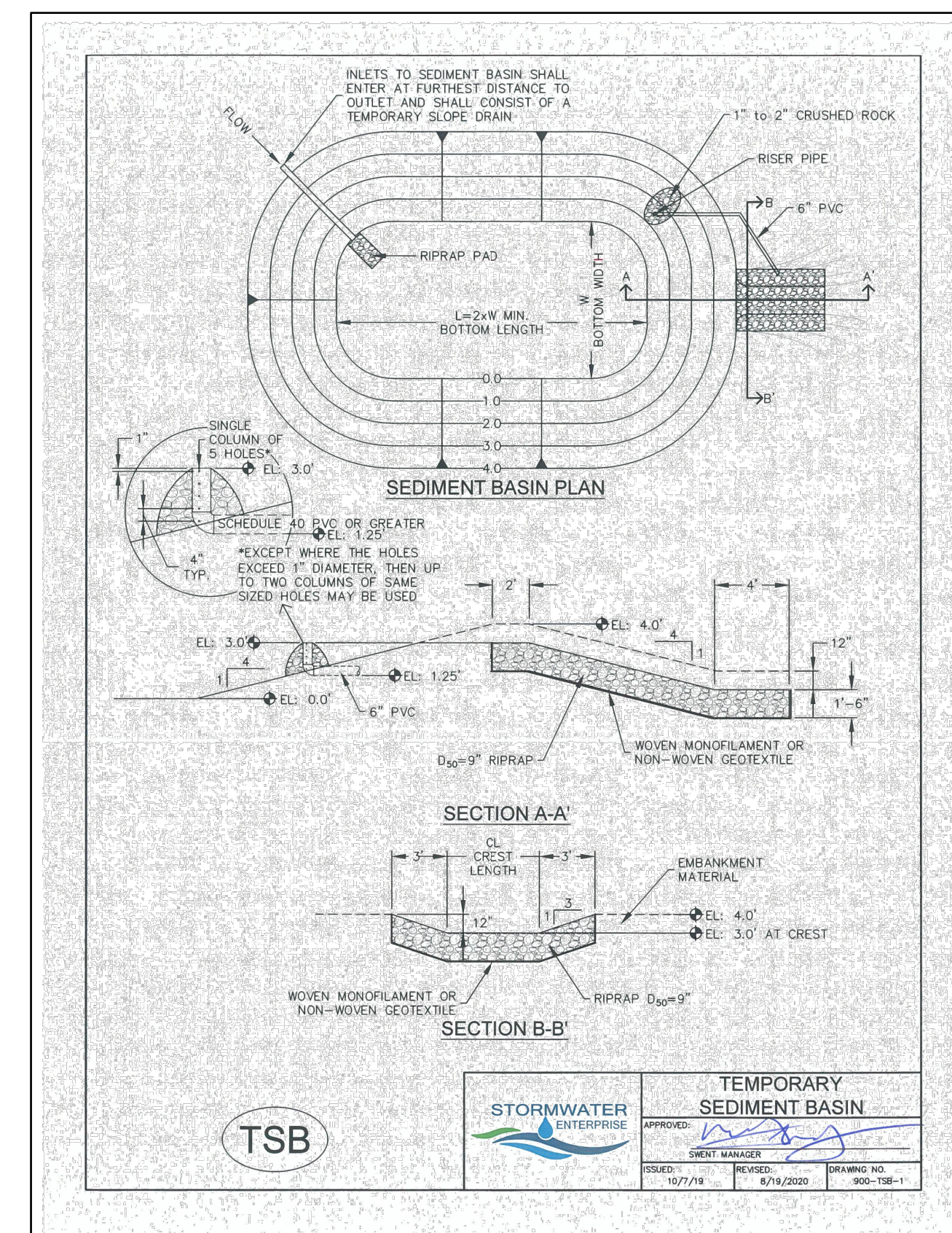
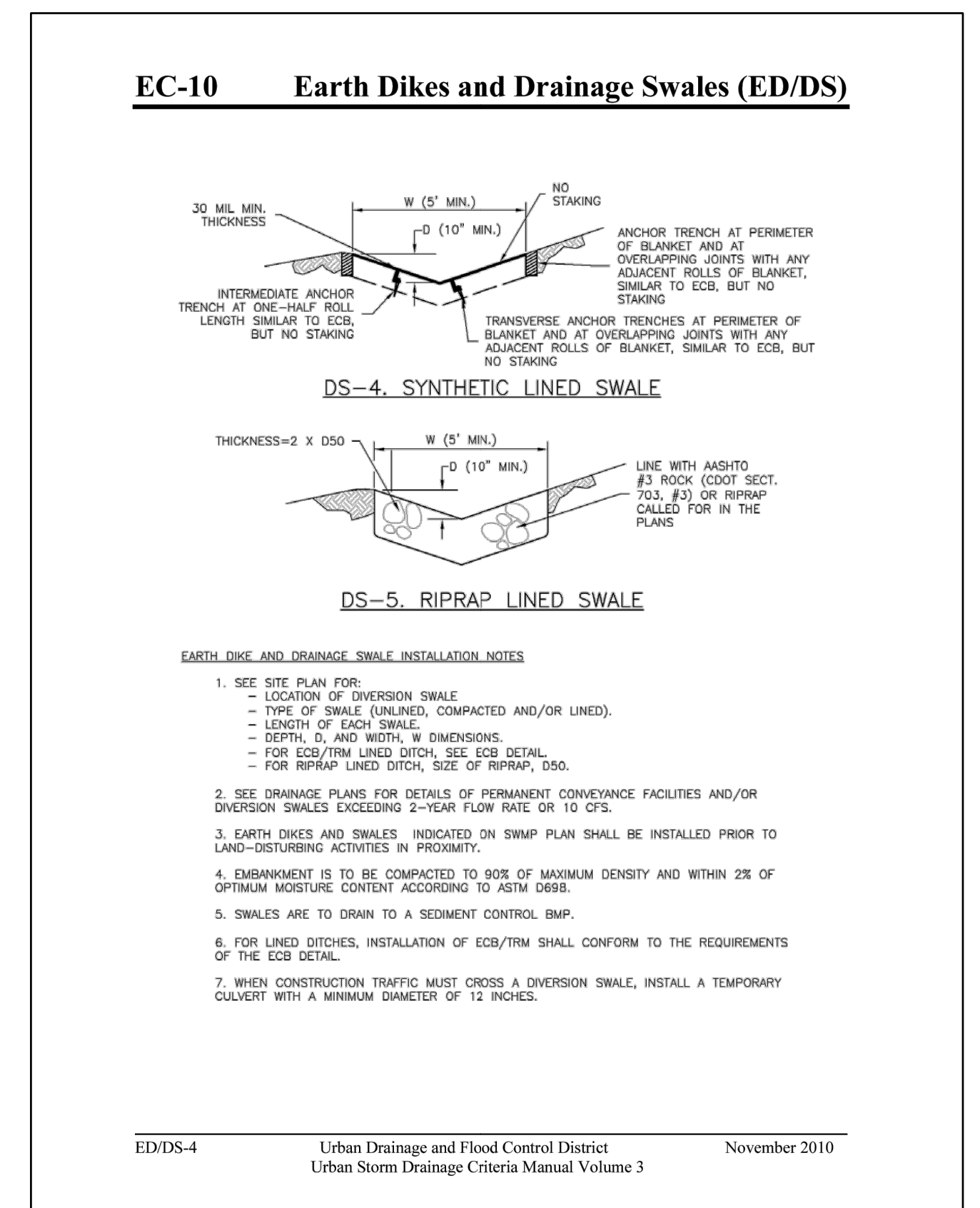
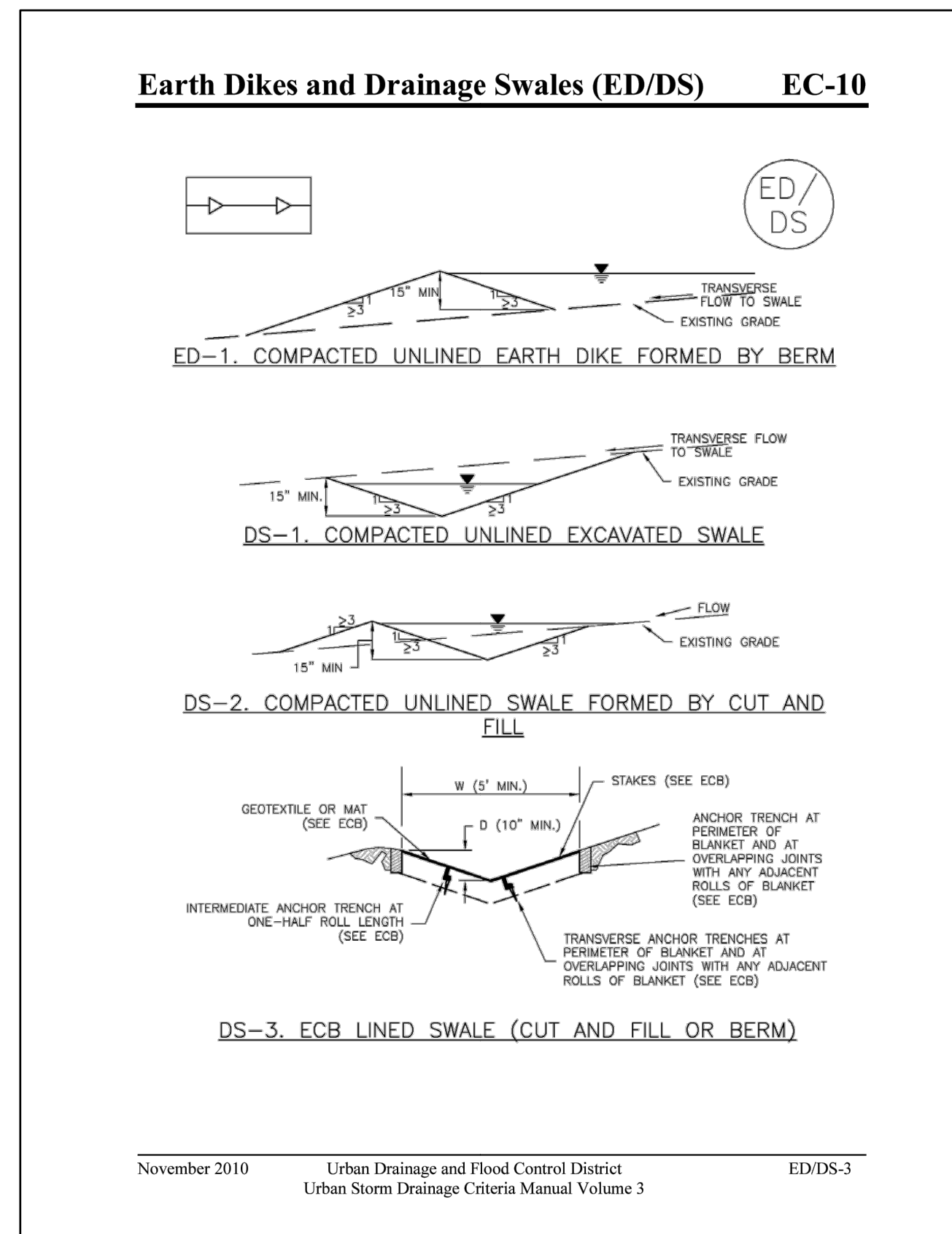
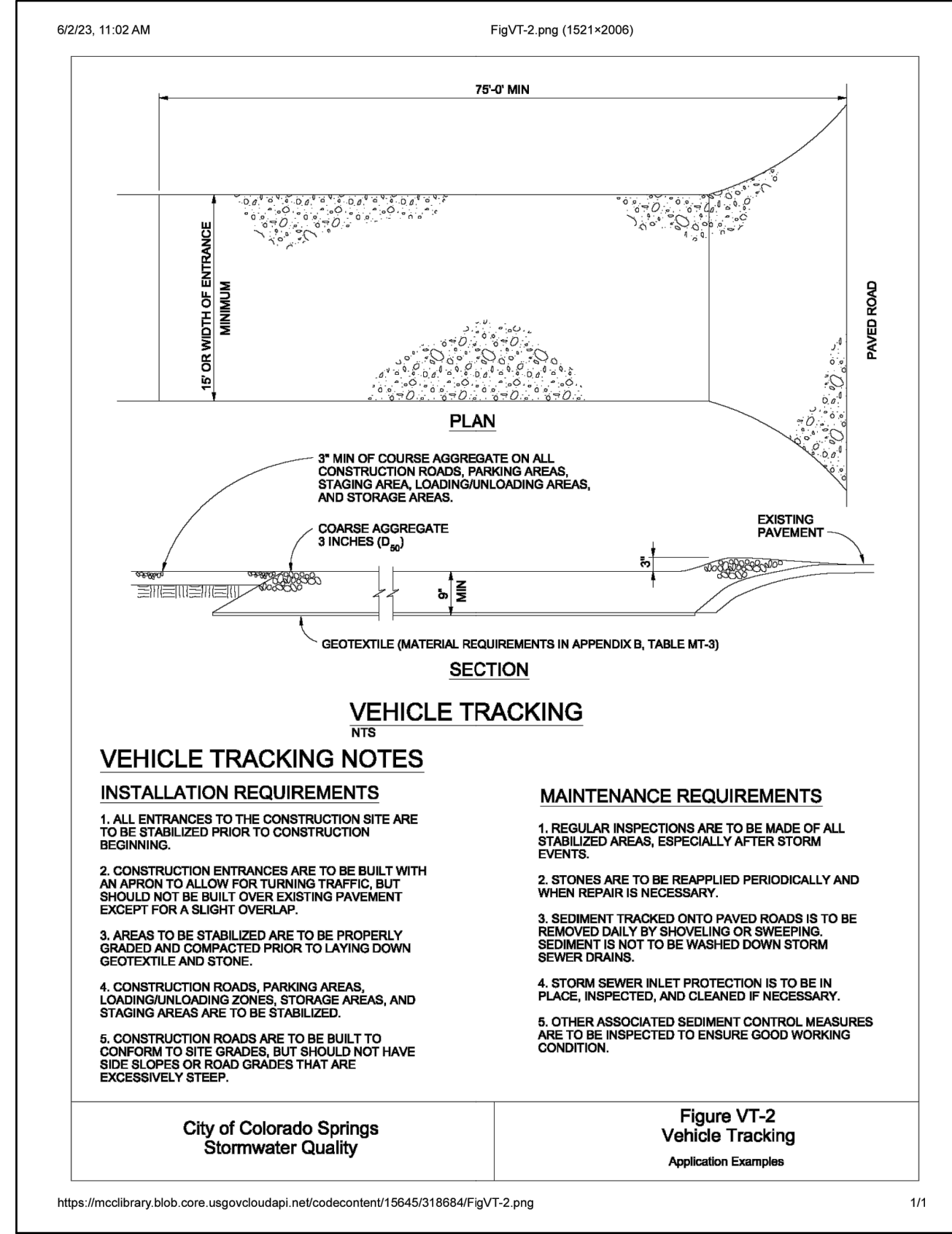
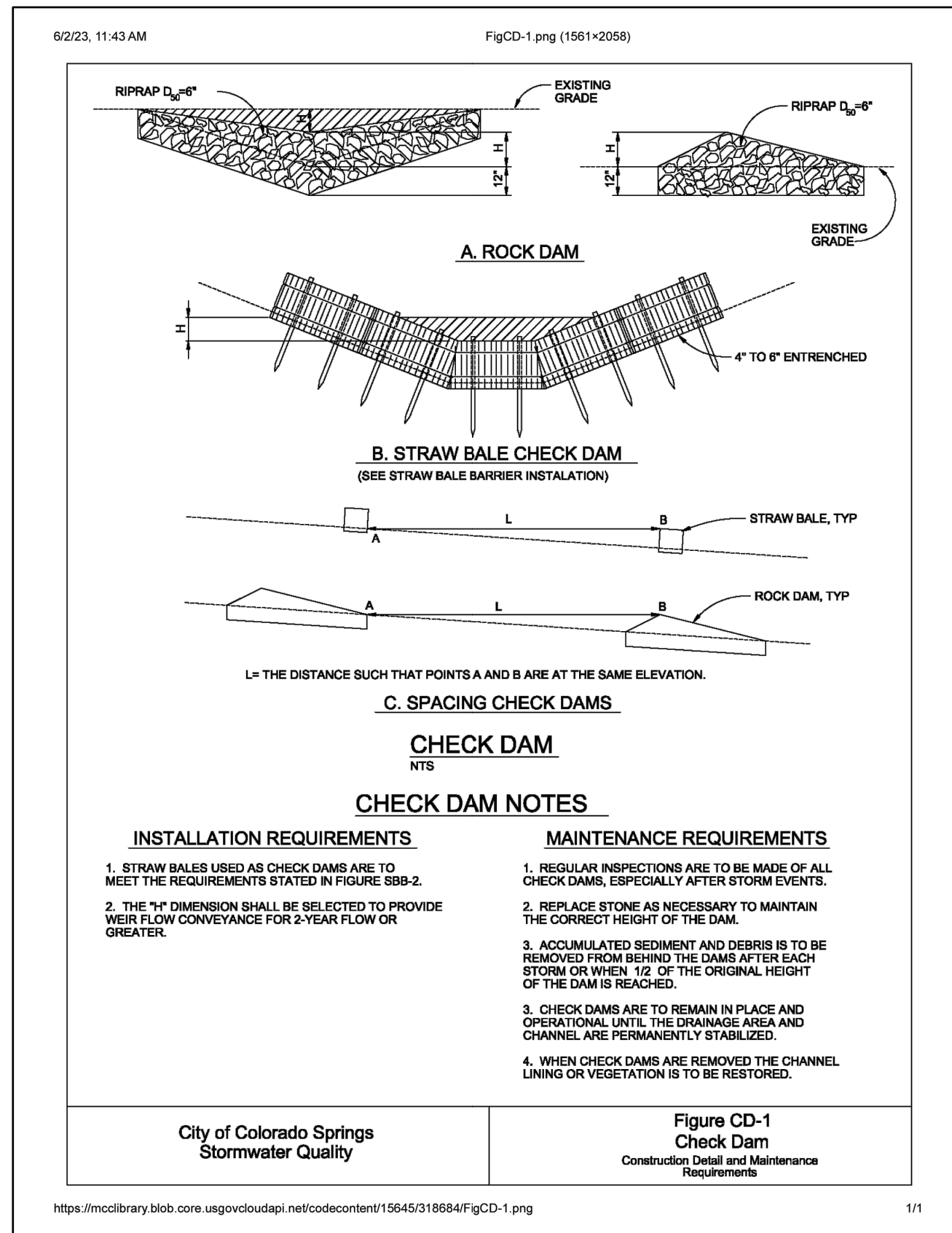
EASTONVILLE ROAD IMPROVEMENTS  
 DR. HORTON  
 EL PASO COUNTY, COLORADO

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 ROUNDABOUT LIGHTING  
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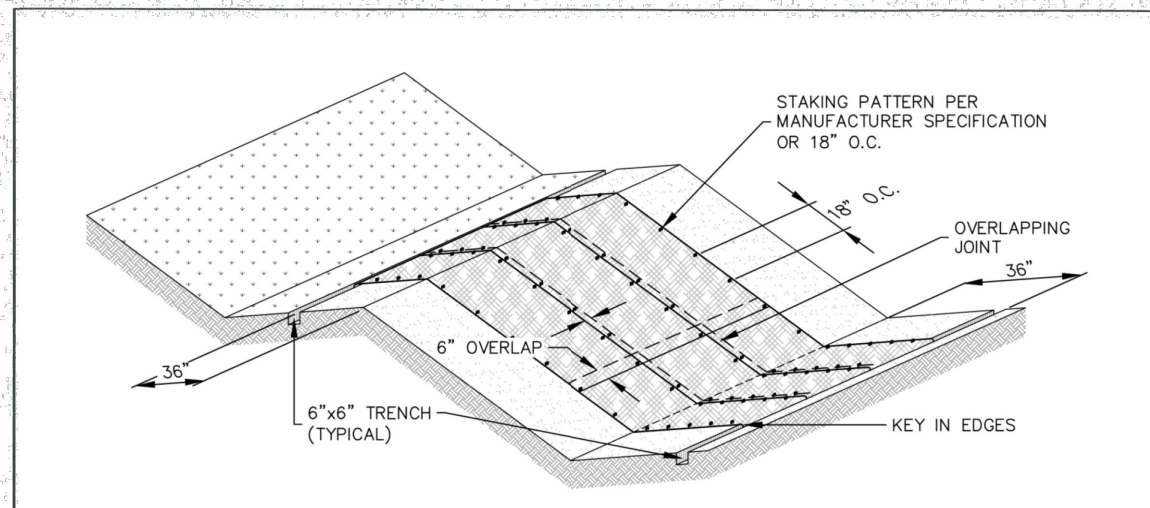




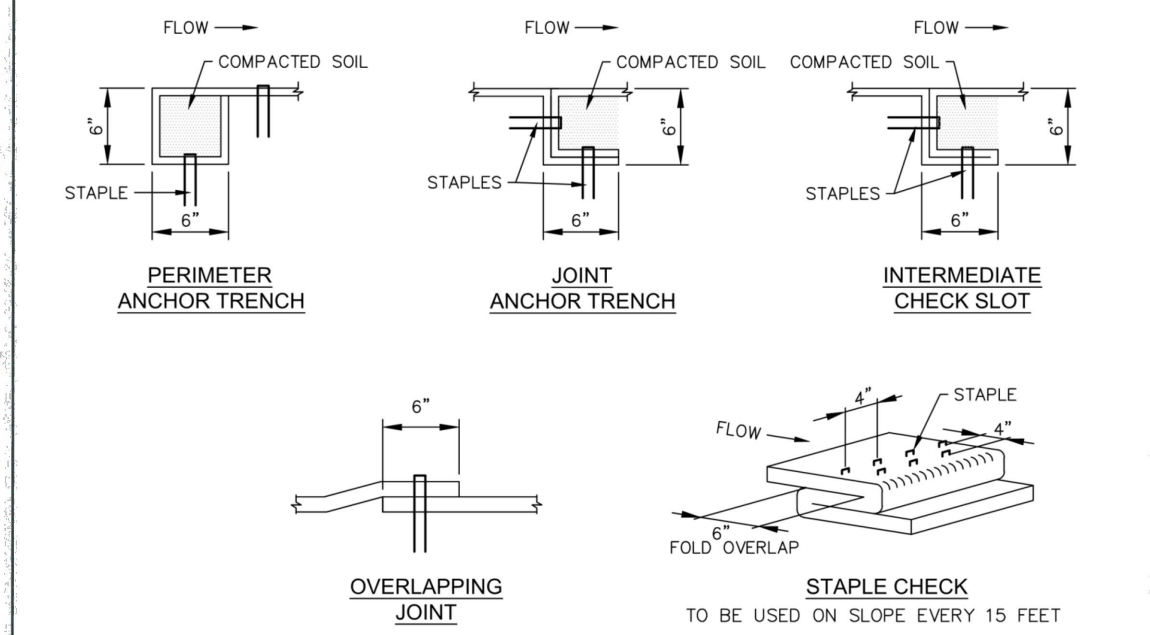








EROSION CONTROL BLANKET



**EROSION CONTROL BLANKET**

APPROVED: [Signature]

ISSUED: 10/7/19 REVISED: 8/19/2020 DRAWING NO: 900-ECB-1

- INSTALLATION NOTES**
1. 100% NATURAL AND BIODEGRADABLE MATERIALS ARE REQUIRED FOR EROSION CONTROL BLANKETS. TRM PRODUCTS MAY BE USED WHERE APPROPRIATE AS DESIGNATED BY THE ENGINEER.
  2. IN AREAS WHERE EROSION CONTROL BLANKETS ARE SHOWN ON THE PLANS, THE PERMITEE SHALL PLACE TOPSOIL AND PERFORM FINAL GRADING, SURFACE PREPARATION, AND SEEDING AND MULCHING. SUBGRADE SHALL BE SMOOTH AND MOST PRIOR TO EROSION CONTROL BLANKET INSTALLATION, AND THE EROSION CONTROL BLANKET SHALL BE IN FULL CONTACT WITH THE SUBGRADE. NO GAPS OR VOIDS SHALL EXIST UNDER THE BLANKET.
  3. PERIMETER ANCHOR TRENCH SHALL BE USED ALONG THE OUTSIDE PERIMETER OF ALL BLANKET AREAS.
  4. JOINT ANCHOR TRENCH SHALL BE USED TO JOIN ROLLS OF EROSION CONTROL BLANKETS TOGETHER (LONGITUDINALLY AND TRANSVERSELY) FOR ALL EROSION CONTROL BLANKETS.
  5. INTERMEDIATE CHECK SLOT OR STAPLE CHECK SHALL BE INSTALLED EVERY 15' DOWN SLOPES. IN DRAINAGEWAYS, INSTALL CHECK SLOTS EVERY 25' PERPENDICULAR TO FLOW DIRECTION.
  6. OVERLAPPING JOINT DETAIL SHALL BE USED TO JOIN ROLLS OF EROSION CONTROL BLANKETS TOGETHER FOR EROSION CONTROL BLANKETS ON SLOPES.
  7. MATERIAL SPECIFICATIONS OF EROSION CONTROL BLANKETS SHALL CONFORM TO TABLE ECB-1.
  8. ANY AREAS OF SEEDING AND MULCHING DISTURBED IN THE PROCESS OF INSTALLING EROSION CONTROL BLANKETS SHALL BE RESEEDED AND MULCHED.
  9. STRAW EROSION CONTROL BLANKETS SHALL NOT BE USED WITHIN STREAMS AND DRAINAGE CHANNELS.
  10. COMPACT ALL TRENCHES.
- MAINTENANCE NOTES**
1. FREQUENT OBSERVATIONS AND MAINTENANCE ARE NECESSARY TO MAINTAIN CONTROL MEASURES IN EFFECTIVE OPERATING CONDITION. INSPECTIONS AND CORRECTIVE MEASURES SHOULD BE DOCUMENTED THOROUGHLY.
  2. EROSION CONTROL BLANKETS SHALL BE LEFT IN PLACE TO EVENTUALLY BIODEGRADE. TRM MUST BE REMOVED AT THE DISCRETION OF THE GEC INSPECTOR.
  3. ANY EROSION CONTROL BLANKET PULLED, DIRT, TORN, OR OTHERWISE DAMAGED SHALL BE REPAIRED OR REINSTALLED. ANY SUBGRADE AREAS BELOW GEOTEXTILE THAT HAVE ERODED TO CREATE A VOID UNDER THE BLANKET, OR THAT REMAIN DEVOID OF GRASS SHALL BE REPAIRED, RESEEDED AND MULCHED AND THE EROSION CONTROL BLANKET REINSTALLED.

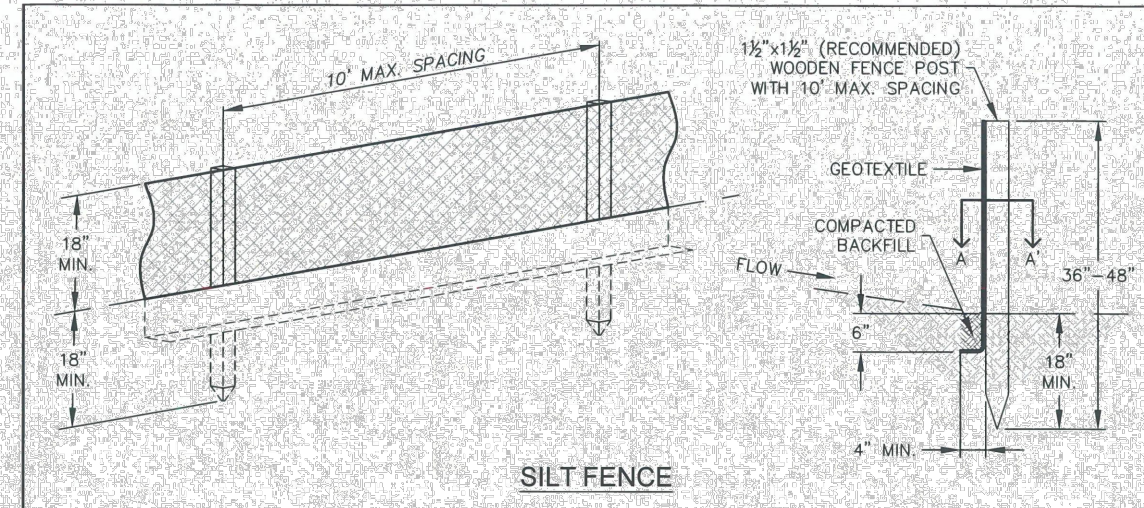
TABLE ECB-1, EROSION CONTROL BLANKET MATERIAL SPECIFICATIONS

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

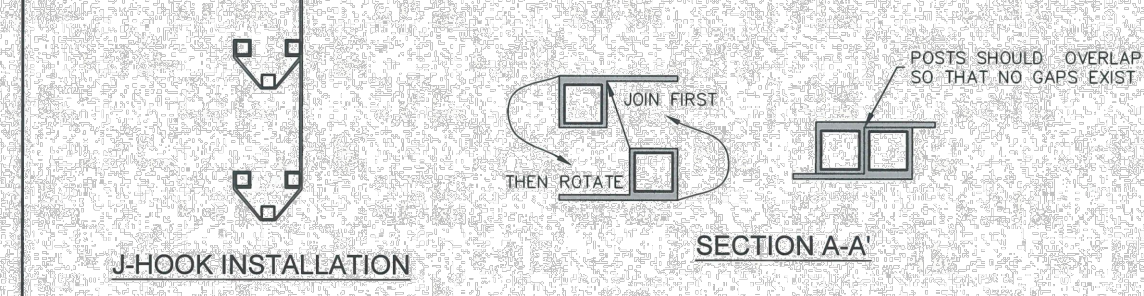
**EROSION CONTROL BLANKET**

APPROVED: [Signature]

ISSUED: 10/7/19 REVISED: 8/19/2020 DRAWING NO: 900-ECB-2



SILT FENCE



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

**SILT FENCE**

APPROVED: [Signature]

ISSUED: 10/7/19 REVISED: 8/19/2020 DRAWING NO: 900-SF

**SEEDING & MULCHING**

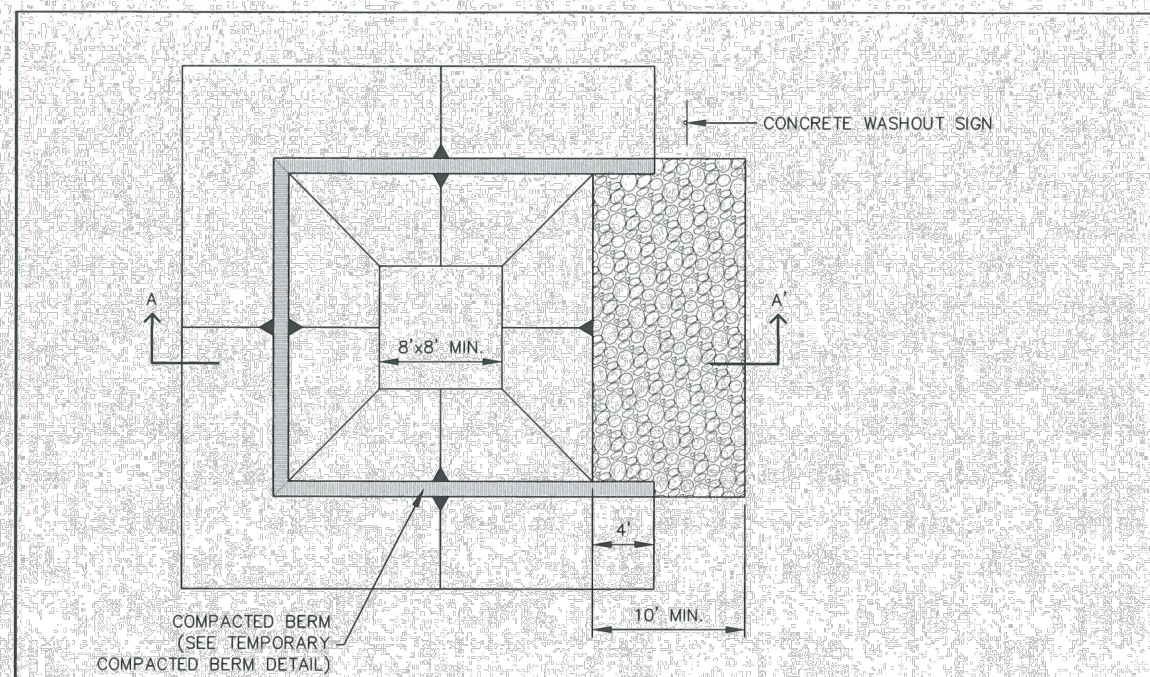
- ALL SOIL TESTING, SOILS AMENDMENT AND FERTILIZER DOCUMENTATION, AND SEED LOAD AND BAG TICKETS MUST BE ADDED TO THE CSWMP.
- SOIL PREPARATION**
1. IN AREAS TO BE SEEDDED, THE UPPER 6 INCHES OF THE SOIL MUST NOT BE HEAVILY COMPACTED, AND SHOULD BE IN FRABLE CONDITION. LESS THAN 88% STANDARD PROCTOR DENSITY IS ACCEPTABLE. AREAS OF COMPACTION OR GENERAL CONSTRUCTION ACTIVITY MUST BE SCRUBBED TO A DEPTH OF 6 TO 12 INCHES PRIOR TO SPREADING TOPSOIL TO BREAK UP COMPACTED LAYERS AND PROVIDE A BLENDING ZONE BETWEEN DIFFERENT SOIL LAYERS.
  2. AREAS TO BE PLANTED SHALL HAVE AT LEAST 4 INCHES OF TOPSOIL SUITABLE TO SUPPORT PLANT GROWTH.
  3. THE CITY RECOMMENDS THAT EXISTING AND/OR IMPORTED TOPSOIL BE TESTED TO IDENTIFY SOIL DEFICIENCIES AND ANY SOIL AMENDMENTS NECESSARY TO ADDRESS THESE DEFICIENCIES. SOIL AMENDMENTS AND/OR FERTILIZERS SHOULD BE ADDED TO CORRECT TOPSOIL DEFICIENCIES BASED ON SOIL TESTING RESULTS.
  4. TOPSOIL SHALL BE PROTECTED DURING THE CONSTRUCTION PERIOD TO RETAIN ITS STRUCTURE. AVOID COMPACTION, AND TO PREVENT EROSION AND CONTAMINATION, STRIPPED TOPSOIL MUST BE STORED IN AN AREA AWAY FROM MACHINERY AND CONSTRUCTION OPERATIONS, AND CARE MUST BE TAKEN TO PROTECT THE TOPSOIL AS A VALUABLE COMMODITY. TOPSOIL MUST NOT BE STRIPPED DURING UNDESIRABLE WORKING CONDITIONS (E.G. DURING WET WEATHER OR WHEN SOILS ARE SATURATED). TOPSOIL SHALL NOT BE STORED IN SWALES OR IN AREAS WITH POOR DRAINAGE.

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

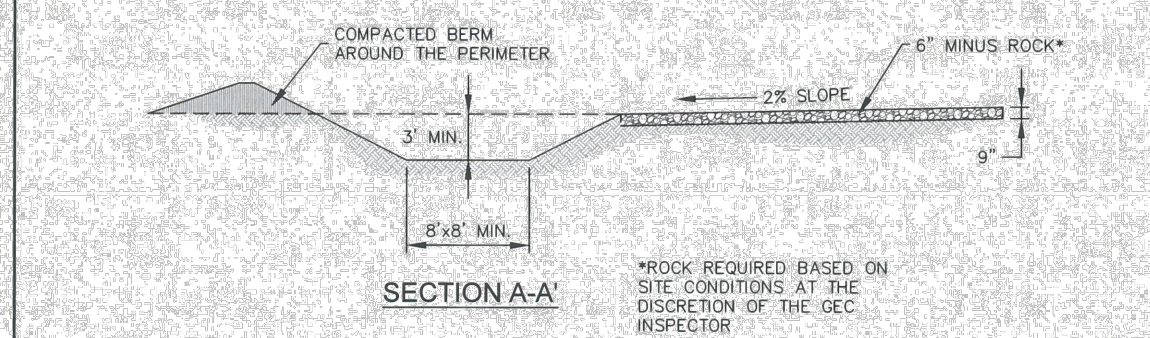
**SEEDING & MULCHING**

APPROVED: [Signature]

ISSUED: 10/7/19 REVISED: 8/19/2020 DRAWING NO: 900-SM



CONCRETE WASHOUT AREA PLAN



SECTION A-A

**CONCRETE WASHOUT AREA**

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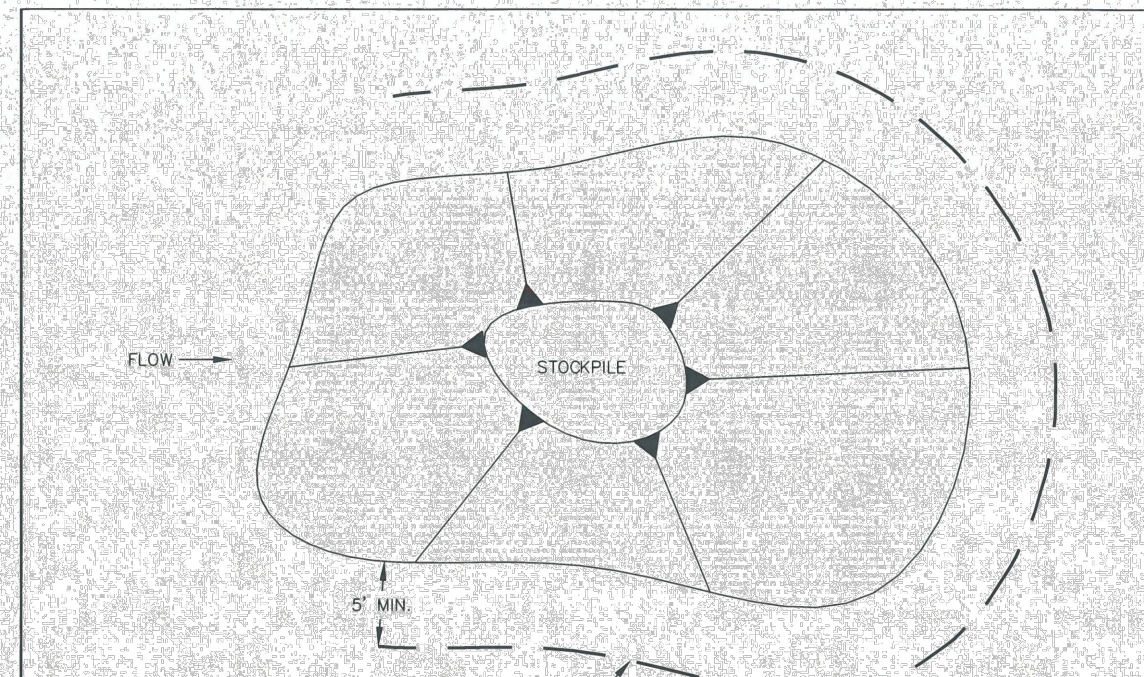
ISSUED: 10/7/19 REVISED: 8/19/2020 DRAWING NO: 900-CWA-1

- INSTALLATION NOTES**
1. SEE PLAN VIEW FOR:
    - LOCATION OF CONCRETE WASHOUT AREA
    - LOCATE AT LEAST 50' AWAY FROM STATE WATERS MEASURED HORIZONTALLY.
    - AN IMPERMEABLE LINER (6 MIL. MINIMUM THICKNESS) IS REQUIRED IF CONCRETE WASH AREA IS LOCATED WITHIN 400' OF STATE WATERS OR 1000' OF WELLS OR DRINKING WATER SOURCES.
    - DO NOT LOCATE IN AREAS WHERE SHALLOW GROUNDWATER MAY BE PRESENT.
  2. THE CONCRETE WASH AREA SHALL BE INSTALLED PRIOR TO CONCRETE PLACEMENT ON SITE.
  3. CONCRETE WASHOUT WATER, WASTED PIECES OF CONCRETE AND ALL OTHER DEBRIS IN THE SUBSURFACE PIT SHALL BE TRANSPORTED FROM THE JOB SITE IN A WATER-TIGHT CONTAINER AND DISPOSED OF PROPERLY.
  4. THE CONCRETE WASH AREA SHALL REMAIN IN PLACE UNTIL ALL CONCRETE FOR THE PROJECT IS PLACED.
  5. PERMANENTLY STABILIZE AREA AFTER CONCRETE WASH AREA IS REMOVED.
- MAINTENANCE NOTES**
1. FREQUENT OBSERVATIONS AND MAINTENANCE ARE NECESSARY TO MAINTAIN CONTROL MEASURES IN EFFECTIVE OPERATING CONDITION. INSPECTIONS AND CORRECTIVE MEASURES SHOULD BE DOCUMENTED THOROUGHLY.
  2. THE CONCRETE WASH AREA SHALL BE REPAIRED, CLEANED, OR ENLARGED AS NECESSARY TO MAINTAIN CAPACITY FOR CONCRETE WASTE. CONCRETE MATERIALS ACCUMULATED IN THE PIT SHALL BE REMOVED ONCE THE MATERIALS HAVE REACHED A DEPTH OF 1/2 OF THE HEIGHT OF THE CONCRETE WASH AREA.
  3. CONCRETE WASHOUT WATER, WASTED PIECES OF CONCRETE AND ALL OTHER DEBRIS IN THE SUBSURFACE PIT SHALL BE TRANSPORTED FROM THE JOB SITE IN A WATER-TIGHT CONTAINER AND DISPOSED OF PROPERLY.
  4. THE CONCRETE WASH AREA SHALL REMAIN IN PLACE UNTIL ALL CONCRETE FOR THE PROJECT IS PLACED.
  5. PERMANENTLY STABILIZE AREA AFTER CONCRETE WASH AREA IS REMOVED.

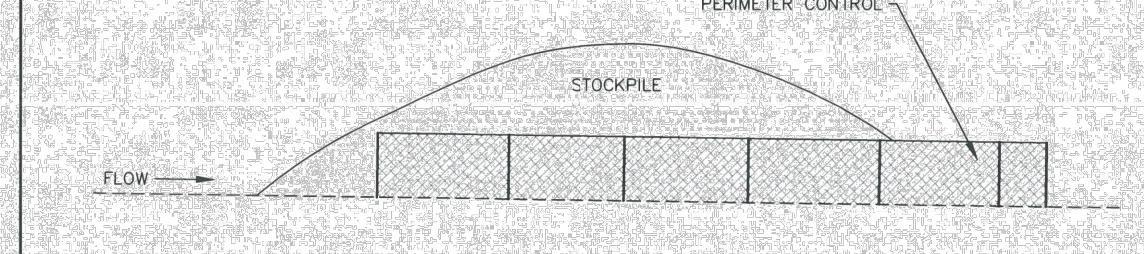
**CONCRETE WASHOUT AREA**

APPROVED: [Signature]

ISSUED: 10/7/19 REVISED: 8/19/2020 DRAWING NO: 900-CWA-2



STOCKPILE PROTECTION PLAN



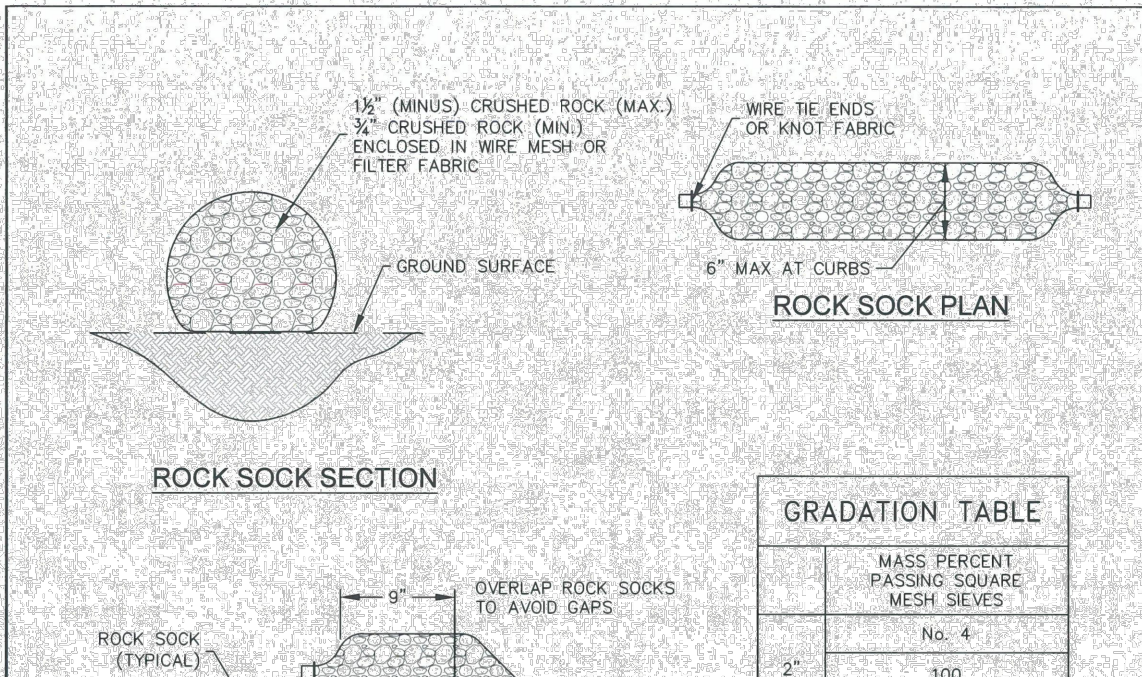
STOCKPILE PROTECTION ELEVATION

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

**STOCKPILE PROTECTION**

APPROVED: [Signature]

ISSUED: 10/7/19 REVISED: 8/19/2020 DRAWING NO: 900-SP



ROCK SOCK SECTION

ROCK SOCK OVERLAP

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

**ROCK SOCK**

APPROVED: [Signature]

ISSUED: 10/7/19 REVISED: 8/19/2020 DRAWING NO: 900-RS

HR GREEN xref: xref-1.dgn

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APPROVED: CPM JOB NUMBER: 201662.08 0

CAD DATE: 1/20/2025 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

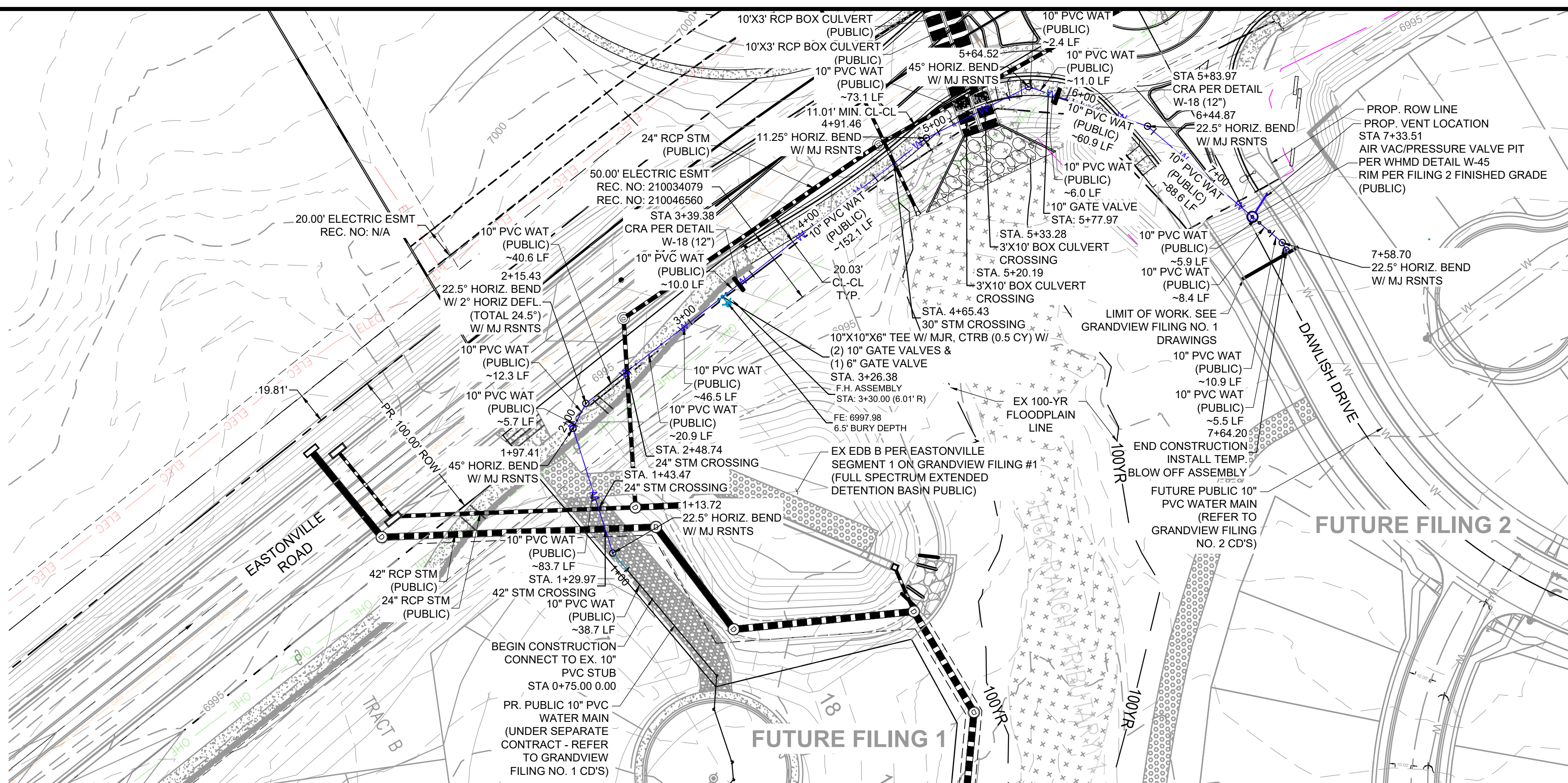
**EASTONVILLE ROAD IMPROVEMENTS**  
**DR. HORTON**  
EL PASO COUNTY, COLORADO

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

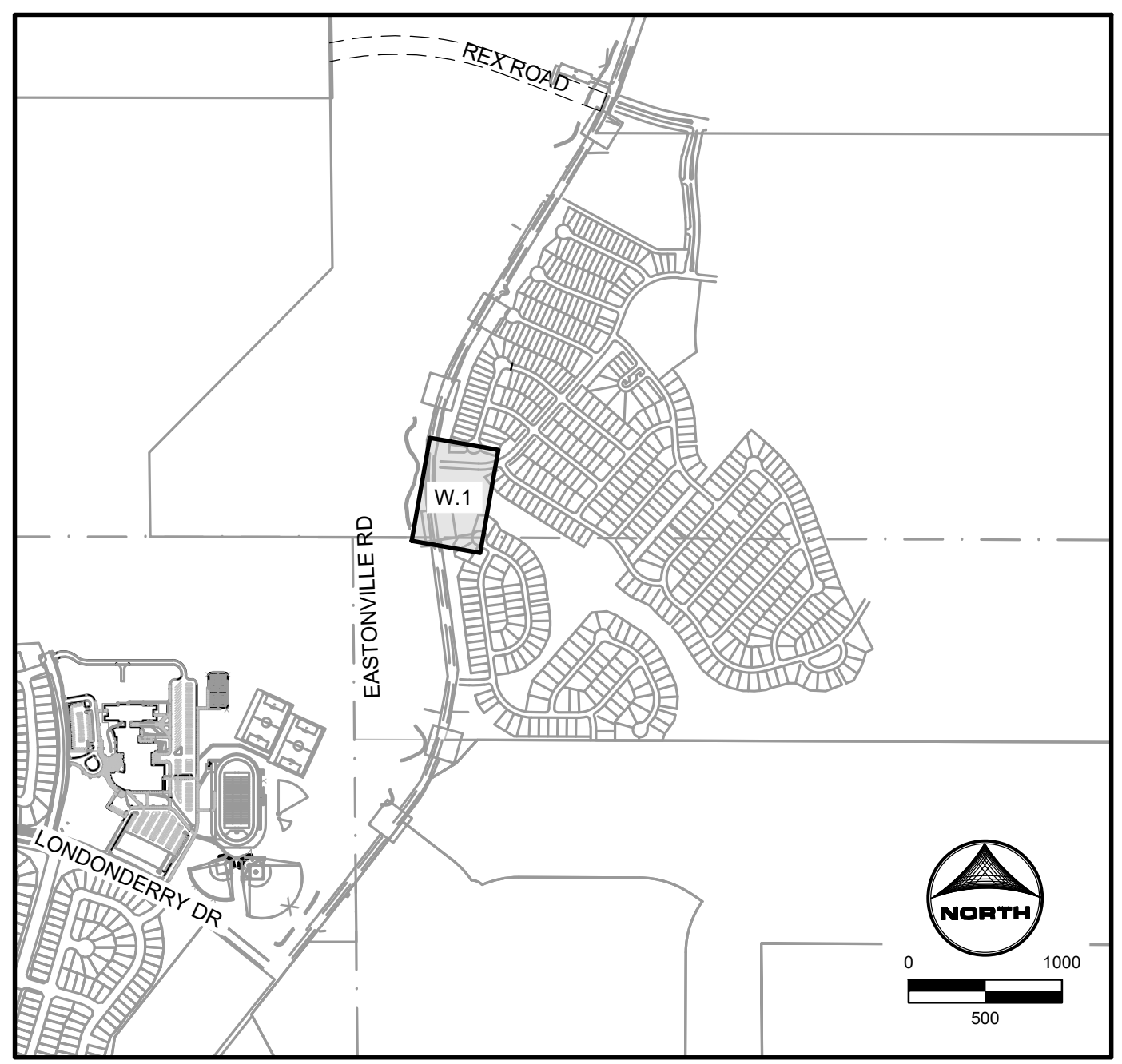
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**DT.2**  
87



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



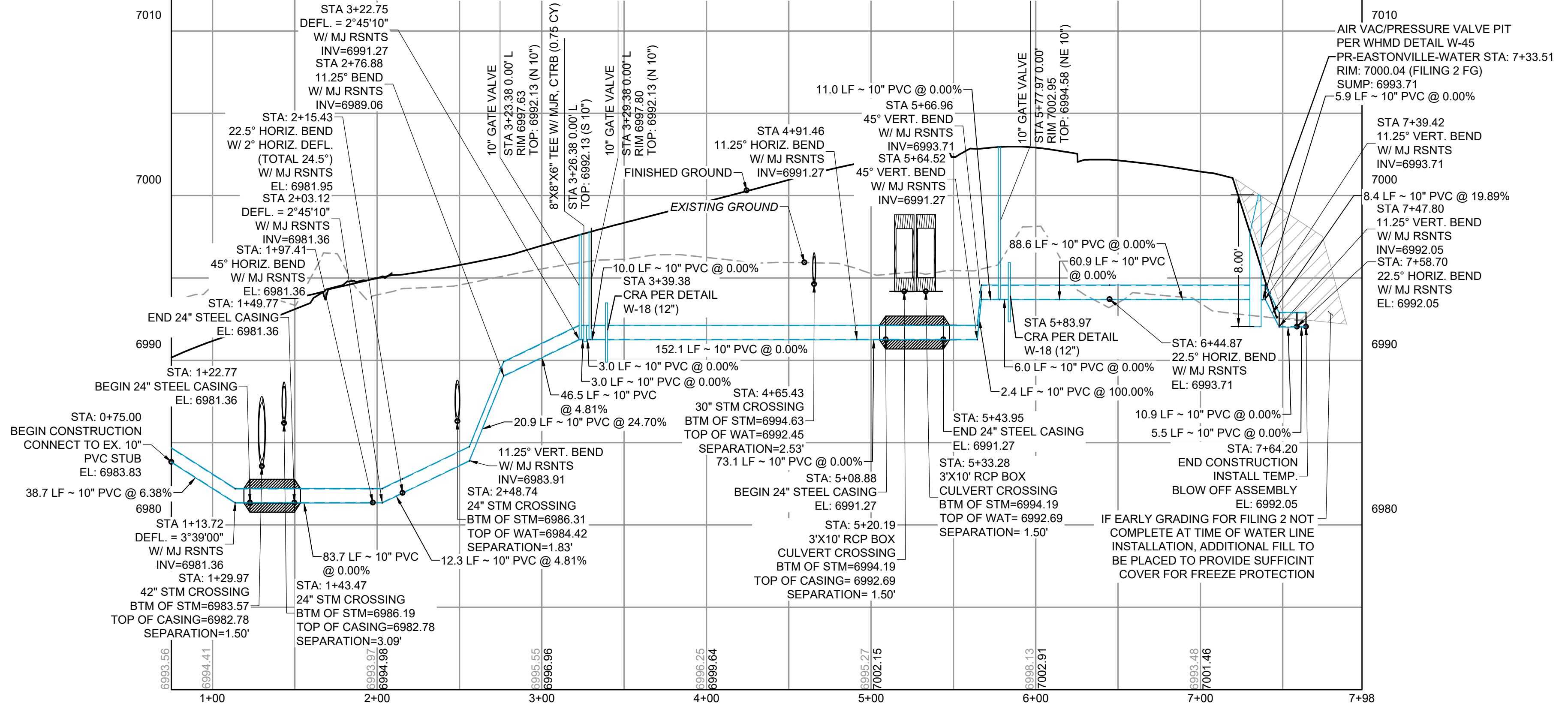
**EASTONVILLE WATER SEGMENT PLAN: STA. 0+75.00 - 7+64.20**



**KEYMAP**

**LEGEND**

	EXISTING	PROPOSED
MATCH LINE	---	---
PHASE LINE	---	---
SECTION LINE	---	---
PROPERTY BOUNDARY	---	---
PROPERTY LINE	---	---
EASEMENT LINE	---	---
RIGHT OF WAY	---	---
CENTERLINE	---	---
CHAIN LINK FENCE	---	---
WOODEN FENCE	---	---
SPLIT RAIL FENCE	---	---
GUARDRAIL	---	---
U.G. ELECTRIC	ELEC	ELEC
OVERHEAD ELECTRIC	OHE	OHE
FIBER OPTIC	FO	FO
GAS MAIN	GAS	GAS
SANITARY SEWER	SS	SS
STORM DRAIN	SD	SD
TELEPHONE	TELE	TELE
WATER MAIN	W	W
SWALE	---	---
TRAIL	---	---
CURB & GUTTER	---	---
INDEX CONTOUR	---	---
INTER. CONTOUR	---	---
100-YR FLOODPLAIN	---	---
FLOODWAY	---	---
EDGE OF WETLANDS	---	---



**EASTONVILLE WATER SEGMENT PROFILE: STA. 0+75.00 - 7+67.82**

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NO.	DATE	BY	REVISION DESCRIPTION

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

**EASTONVILLE ROAD IMPROVEMENTS**  
**DR. HORTON**  
 EL PASO COUNTY, COLORADO

FROM GRANDVIEW FILING 1 TO REX RD. (SEGMENT 2)  
**EASTONVILLE WATER SEGMENT PLAN & PROFILE**

SHEET **W.1** **88**

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

**PROFESSIONAL ENGINEER**  
 1/17/25

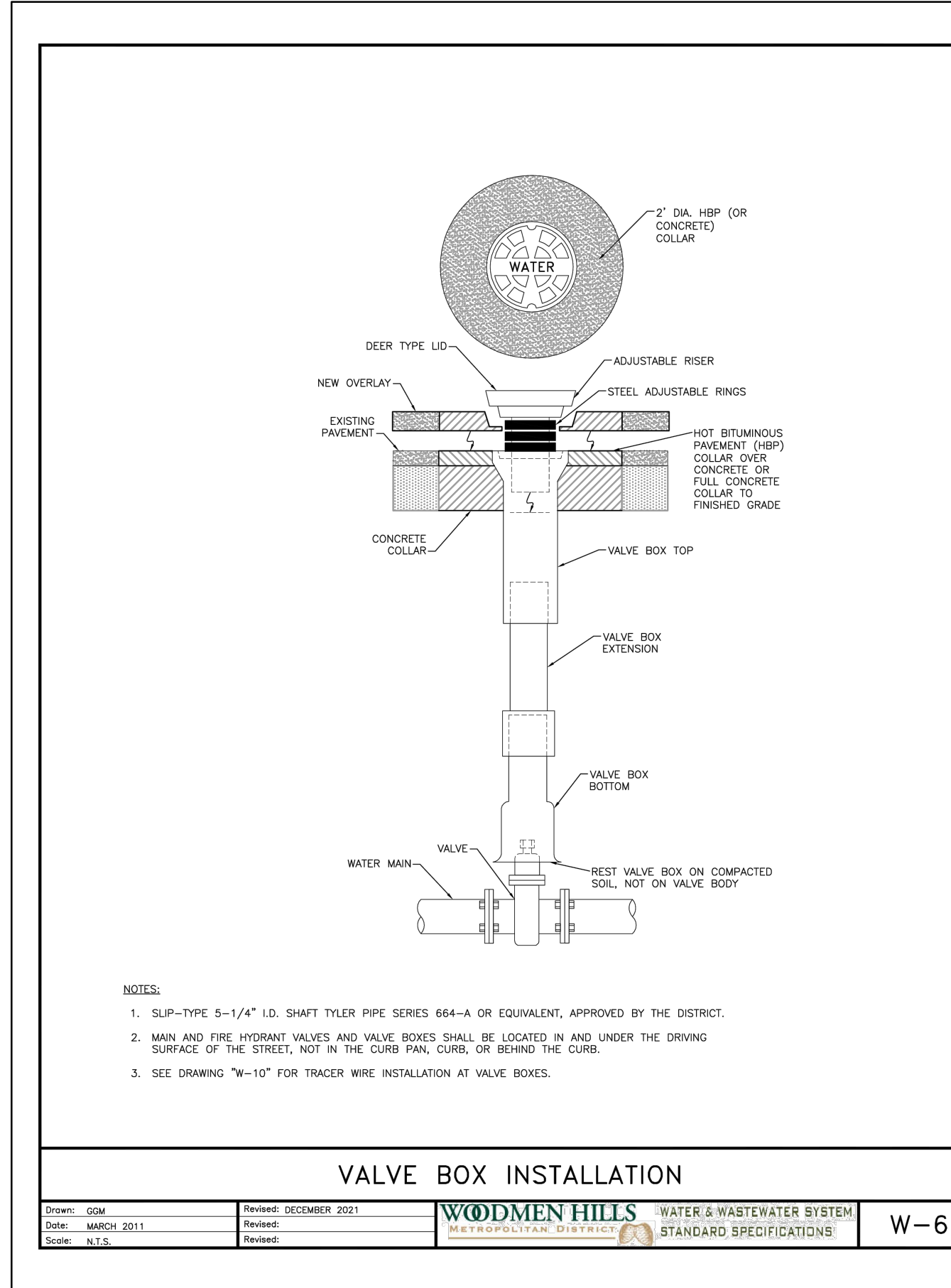


WOODMEN HILLS METRO DISTRICT GENERAL NOTES:

- 1. ALL UTILITY CONSTRUCTION TO BE CONDUCTED IN CONFORMANCE WITH THE WOODMEN HILLS METROPOLITAN DISTRICT (WHMD, THE DISTRICT) SPECIFICATIONS.
2. ALL PLANS ON THE JOB SITE SHALL BE SIGNED BY THE DISTRICT AND THE DISTRICT'S ENGINEER. ANY REVISION TO THE PLANS SHALL BE SO NOTED WITH THE OLD DRAWING MARKED 'NOT VALID.'
3. ALL STATIONING IS CENTERLINE UNLESS OTHERWISE NOTED. ALL ELEVATIONS ARE CENTERLINE UNLESS OTHERWISE NOTED.
4. ALL MATERIALS AND WORKMANSHIP SHALL BE SUBJECT TO INSPECTION BY THE DISTRICT. THE DISTRICT RESERVES THE RIGHT TO ACCEPT OR REJECT ANY SUCH MATERIALS AND WORKMANSHIP THAT DOES NOT CONFORM TO ITS STANDARDS AND SPECIFICATIONS.
5. ALL OVER-LOT GRADING MUST BE COMPLETED TO WITHIN ONE (1) FOOT OF FINAL GRADE PRIOR TO INSTALLATION OF WATER AND WASTEWATER INFRASTRUCTURE.
6. ALL WATER AND SEWER SERVICE LOCATIONS SHALL BE CLEARLY MARKED ON EITHER THE CURB HEAD OR THE FACE OF THE CURB, WITH AN 'S' FOR SEWER AND A 'W' FOR WATER.
7. DUCTILE IRON PIPES, INCLUDING FITTINGS, VALVES, AND FIRE HYDRANTS, SHALL BE WRAPPED WITH POLYETHYLENE TUBING, DOUBLE BONDED AT EACH JOINT, AND ELECTRICALLY ISOLATED. BONDING AND ANODE CONNECTIONS SHALL BE THOROUGHLY COATED WITH BITUMINOUS COATINGS.
8. ALL DUCTILE IRON PIPE LESS THAN TWELVE INCHES (12") AND FITTINGS SHALL HAVE CATHODIC PROTECTION USING TWO (2) NO. 6 WIRES WITH 17 LB. MAGNESIUM ANODES EVERY 400 FEET AND 9 LB. MAGNESIUM ANODES AT EACH FITTING. ALL DUCTILE IRON PIPE TWELVE INCHES (12") AND GREATER AND FITTINGS SHALL HAVE CATHODIC PROTECTION USING TWO (2) NO. 6 WIRES WITH 17 LB. MAGNESIUM ANODES EVERY 300 FEET AND 9 LB. MAGNESIUM ANODES AT EACH FITTING.
9. ALL PIPE MATERIAL, BACKFILL, AND INSTALLATION SHALL CONFORM TO THE APPLICABLE SPECIFICATIONS OF THE DISTRICT, COLORADO DEPARTMENT OF TRANSPORTATION, EL PASO COUNTY DEPARTMENT OF TRANSPORTATION, COLORADO SPRINGS UTILITIES, AND THE GEOTECHNICAL ENGINEER.
10. COMPACTION TESTS SHALL BE 95% STANDARD PROCTOR AS DETERMINED BY ASTM D698, UNLESS OTHERWISE APPROVED BY THE DISTRICT OR HIGHER STANDARD AS IMPOSED BY ANOTHER AGENCIES HAVING RIGHT-OF-WAY JURISDICTION. THIS SHALL INCLUDE ALL VALVES, FIRE HYDRANT RUNS, WATER & SEWER SERVICE LINES, AND MANHOLES. ALL REPORTS SHALL BE SUBMITTED TO THE DISTRICT FOR REVIEW AND APPROVAL.
11. THE LOCATION OF ALL EXISTING UTILITIES SHOWN ON THE DRAWINGS ARE APPROXIMATE ONLY. THE LOCATION OF ALL UTILITIES SHALL BE FIELD VERIFIED PRIOR TO COMMENCING CONSTRUCTION ACTIVITIES. THE DISTRICT SHALL BE NOTIFIED OF ANY DEVIATIONS TO THE LINE AND/OR GRADE AS DEPICTED ON THE PLANS. CONTRACTOR SHALL SUBMIT TO THE DISTRICT AND THE ENGINEER OF RECORD A REPORT OF THE FIELD-VERIFIED INFORMATION PRIOR TO THE START OF CONSTRUCTION.
12. ALL BENDS SHALL BE FIELD STAKED PRIOR TO THE START OF CONSTRUCTION.
13. BENDS, DEFLECTION, AND CUT PIPE LENGTHS SHALL BE USED TO HOLD HORIZONTAL ALIGNMENT OF SEWER AND WATER LINES TO NO MORE THAN 0.5' FROM THE DESIGNED ALIGNMENT. CONSTRUCTION STAKES TO BE AT TWENTY-FIVE FEET (25') INTERVALS ALONG CURVES TO ENSURE LOCATION OF PIPELINE CONSTRUCTION.
14. AT ALL LOCATIONS WHERE CAP AND STUB IS NOTED ON DRAWINGS, PROVIDE A PLUG AT THE END OF THE PIPE JOINT NEAREST THE SPECIFIED STATION. PROVIDE A REVERSE ANCHOR AT ALL WATER LINE PLUGS.
15. ALL UNUSED, SALVAGED WATER UTILITY MATERIAL SHALL BE RETURNED TO THE METROPOLITAN DISTRICT AS REQUESTED.
16. AT THE CONTRACTOR'S EXPENSE, ALL UTILITY MAINS SHALL BE SUPPORTED AND PROTECTED SUCH THAT THEY SHALL FUNCTION CONTINUOUSLY DURING CONSTRUCTION OPERATIONS. SHOULD A UTILITY MAIN FAIL AS A RESULT OF THE CONTRACTOR'S OPERATION, IT SHALL BE REPLACED IMMEDIATELY BY THE CONTRACTOR OR BY THE DISTRICT AT FULL COST OF LABOR AND MATERIALS TO THE CONTRACTOR/DEVELOPER.
17. PUMPING OR BYPASS OPERATIONS SHALL BE REVIEWED AND APPROVED BY BOTH THE DISTRICT AND THE DISTRICT ENGINEER PRIOR TO EXECUTION.
18. THE CONTRACTOR SHALL REPLACE OR REPAIR DAMAGE TO ALL SURFACE IMPROVEMENTS, INCLUDING BUT NOT LIMITED TO FENCES, LANDSCAPING, CURB AND GUTTER, AND/OR ASPHALT THAT MAY BE CAUSED DURING CONSTRUCTION.
19. ALL CONTRACTORS WORKING ON OR NEAR A WATER OR SEWER FACILITY (TO INCLUDE SERVICE LINES) SHALL HAVE LIABILITY INSURANCE NAMING THE DISTRICT AS AN ADDITIONAL INSURED AND SHALL PROVIDE A CURRENT COPY OF WORKERS COMPENSATION INSURANCE ON FILE WITH THE DISTRICT. NO WORK CAN PROCEED WITHOUT CURRENT CERTIFICATES ON FILE AT THE DISTRICTS OFFICE.
20. THE CONTRACTOR SHALL NOTIFY THE DISTRICT AND ALL AFFECTED UTILITY COMPANIES ADJACENT TO THE PROPOSED UTILITY CONSTRUCTION A MINIMUM OF 48 HOURS AND A MAXIMUM OF 96 HOURS PRIOR TO THE START OF CONSTRUCTION. A WEEKLY CONSTRUCTION MEETING SHALL BE REQUIRED WITH THE CONTRACTOR, DISTRICT ENGINEER AND ALL OTHER PARTIES AS DEEMED NECESSARY BY THE DISTRICT.
21. COMMENCEMENT OF CONSTRUCTION OF WATER/SEWER SYSTEMS WITHIN METROPOLITAN DISTRICT:
A) PRIOR TO THE START OF CONSTRUCTION, A PRECONSTRUCTION MEETING IS REQUIRED A MINIMUM OF 48 HOURS IN ADVANCE OF COMMENCEMENT OF WORK. A REPRESENTATIVE OF THE OWNER OR DEVELOPER, A REPRESENTATIVE OF THE CONTRACTOR, AND DESIGN ENGINEER ARE REQUIRED TO ATTEND. CONTACT THE DISTRICT TO SCHEDULE THE PRECONSTRUCTION MEETING. NO PRECONSTRUCTION MEETING CAN BE SCHEDULED BEFORE FOUR (4) SIGNED/APPROVED PLAN SETS ARE RECEIVED BY THE DISTRICT.
B) THE CONTRACTOR IS REQUIRED TO NOTIFY THE DISTRICT A MINIMUM OF 48 HOURS AND A MAXIMUM OF 2 WEEKS PRIOR TO THE START OF CONSTRUCTION. THE CONTRACTOR SHALL ALSO NOTIFY AFFECTED UTILITY COMPANIES AT LEAST 48 HOURS PRIOR TO THE START OF CONSTRUCTION ADJACENT TO THE KNOWN UTILITY LINES.
22. TESTING OF FACILITIES:
A) THE CONTRACTOR SHALL NOTIFY THE DISTRICT A MINIMUM OF 48 HOURS AND A MAXIMUM OF 96 HOURS PRIOR TO THE START OF ANY TESTING.
B) ALL SECTIONS OF WATER LINE ARE TO MEET THE FOLLOWING PRESSURE TESTING REQUIREMENTS
TEST 100% OF ALL LINES.
MUST PASS PRESSURE TEST TO 200 PSI FOR TWO HOURS (UNLESS OTHERWISE APPROVED ON THE PLANS).
C) ALL SANITARY SEWER FACILITIES ARE TO MEET THE FOLLOWING TESTING REQUIREMENTS:
ALL LINES SHALL BE JET CLEANED PRIOR TO VACUUM OR PRESSURE TESTING.
ALL MANHOLES SHALL BE VACUUM TESTED WITH DISTRICT STAFF PRESENT PRIOR TO CCTV INSPECTION.
SEWER MAINS TO BE PRESSURE TESTED PRIOR TO CCTV INSPECTION.
ALL LINES SHALL BE CCTV INSPECTED AND VIDEO SHALL TO BE SUBMITTED TO THE DISTRICT FOR REVIEW AND APPROVAL.
23. PRELIMINARY ACCEPTANCE SHALL BE DEFINED AS THE POINT IN TIME THAT THE DISTRICT ACCEPTS THE FACILITY FOR USE. ALL SURFACE IMPROVEMENTS AND RESTORATION SHALL BE COMPLETED WITHIN 30 DAYS OF COMMENCEMENT. SHOULD THE CONTRACTOR FAIL TO COMPLETE ALL SURFACE IMPROVEMENTS AND RESTORATION WITHIN 30 DAYS OF COMMENCEMENT OF SERVICE, THE DISTRICT, AT THEIR DISCRETION, MAY ELECT TO COMPLETE THE IMPROVEMENTS AT THE CONTRACTOR'S COST.
24. FINAL ACCEPTANCE BY THE DISTRICT OF ANY LINE OR SYSTEM SHALL NOT OCCUR UNTIL COMPLETION OF FINAL ASPHALT LAYERS AND/OR FINAL COMPLETION AND/OR RESTORATION OF ALL SURFACE IMPROVEMENTS. THE WARRANTY PERIOD FOR ALL FACILITIES PRIOR TO FINAL ACCEPTANCE SHALL BE 24 MONTHS COMMENCING AFTER PRELIMINARY ACCEPTANCE.
25. ACCEPTANCE:
A) THE DISTRICT MAY GIVE PRELIMINARY ACCEPTANCE ONCE ALL OF THE TESTS ON ALL THE LINES HAVE BEEN COMPLETED AND A WALK-THROUGH HAS OCCURRED.
B) A SECOND ACCEPTANCE MAY OCCUR ONCE THE FIRST LIFT OF ASPHALT GOES DOWN AND A SECOND WALK-THROUGH OF THE SYSTEM OCCURS. IF ALL FACILITIES ARE CLEAN AND ACCESSIBLE, A FINAL ACCEPTANCE MAY OCCUR (THE DISTRICT MAY REQUIRE CLEANING AND RE-VIDEO OF THE SYSTEM, DEPENDING ON THE SEVERITY OF THE CONTAMINATION).
26. ALL WATER AND SEWER MAINS, INCLUDING SERVICE LINES, SHALL HAVE "AS-BUILT" DRAWINGS PREPARED AND APPROVED PRIOR TO PRELIMINARY ACCEPTANCE BY THE DISTRICT.
27. ALL COMMERCIAL/BUSINESS DEVELOPMENTS SHALL HAVE AN EIGHT INCH (MIN) WATER MAIN LOOPED THROUGH THE PROPOSED PROPERTY WITH GATE VALVES LOCATED WHERE THE MAIN ENTERS THE PROPERTY LINE. AN EIGHT-INCH SEWER MAIN SHALL BE INSTALLED FOR SERVICE TO COMMERCIAL/BUSINESS DEVELOPMENTS, AND A MANHOLE SHALL BE LOCATED WHERE THE MAIN ENTERS THE PROPERTY. THE END OF THE MAINS SHALL BE MARKED WITH THE APPROPRIATE COLORED CARSONITE MARKER ALONG WITH TRACER WIRE.
28. AFTER REVIEW AND APPROVAL OF PLANS FOR THE EXTENSION OF LINES, FACILITIES, AND/OR SERVICES, CONSTRUCTION MUST HAVE COMMENCED WITHIN 18 MONTHS FOR RESIDENTIAL SUBDIVISIONS AND 12 MONTHS FOR ANY COMMERCIAL INSTALLATIONS.
29. INSPECTION FEES: CALL THE DISTRICT (719-495-2500) FOR FEE SCHEDULE.

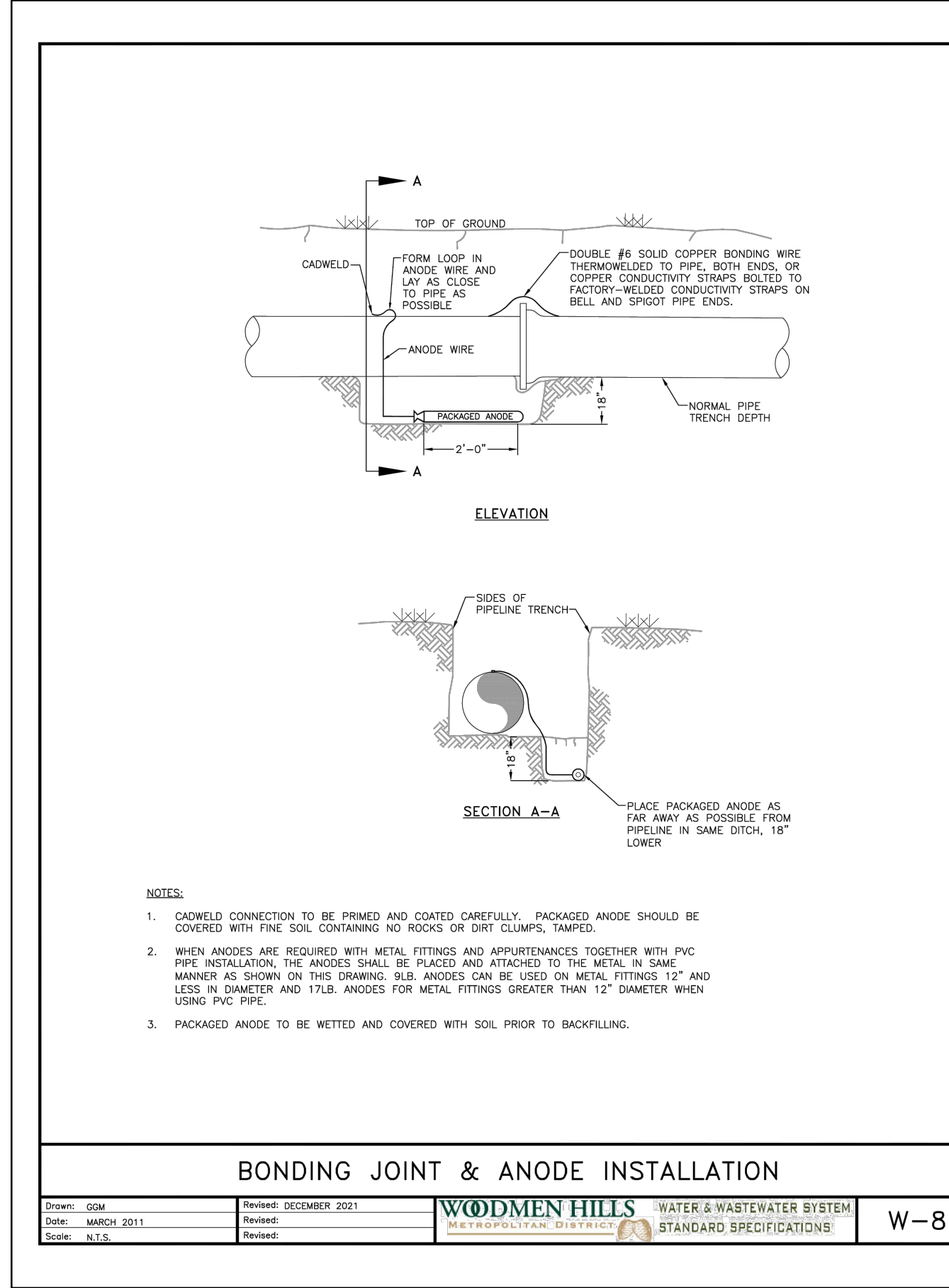
WATER SYSTEM INSTALLATION NOTES

- 30. ALL WATER AND FORCE MAIN PIPE SHALL BE AWWA C900 PVC, OR APPROVED EQUAL, PRESSURE CLASS 200. ALL WATER AND FORCE MAIN FITTINGS SHALL HAVE MECHANICAL RESTRAINTS AND THRUST BLOCKS. ALL WATER AND FORCE MAIN PIPE SHALL HAVE A MINIMUM COVER DEPTH OF FIVE-AND-ONE-HALF (5.5) FEET.
31. ALL WATER VALVES ASSOCIATED WITH THE POTABLE WATER SYSTEM SHALL BE OPEN CLOCKWISE. ALL VALVES INSTALLED IN LANDSCAPED AREAS AND/OR NOT WITHIN PAVED STREETS SHALL BE MARKED WITH CARSONITE MARKERS. ALL VALVES ASSOCIATED WITH THE RAW WATER SYSTEM SHALL BE OPEN COUNTERCLOCKWISE AND MARKED WITH CARSONITE MARKERS AS APPLICABLE.
32. THE DEVELOPER OR HIS ENGINEER SHALL LOCATE ALL FIRE HYDRANTS AND SERVICE STUB-OUTS FOR FUTURE DEVELOPMENT. ANY REQUIRED REALIGNMENT, HORIZONTAL OR VERTICAL, SHALL BE AT THE EXPENSE OF THE DEVELOPER. FIRE HYDRANT LOCATION SHALL BE REVIEWED AND APPROVED BY THE APPLICABLE FIRE AUTHORITY.
33. FIRE HYDRANTS SHALL BE OPEN RIGHT WITH 7/8" X 7/8" SQUARE TAPERED ALONG WITH SERVICE CAPS. LUBRICATION TYPE: GREASE. ACCEPTABLE BRAND IS KENNEDY GUARDIAN (K81D, K81A, AND K81AM). EACH FIRE HYDRANT LOCATION SHALL ALSO BE USED AS TEST STATION.
34. ALL MAIN LINES (PVC & DUCTILE IRON) SHALL BE INSTALLED WITH COATED #12 TRACER WIRE WITH TEST STATIONS AT INTERVALS NO GREATER THAN FIVE HUNDRED FEET (500') (VALVE BOXES CAN BE USED AT INTERSECTIONS AND SERVICE STUBS).
35. CONTRACTOR SHALL MAKE CONNECTIONS TO EXISTING WATER LINE WITHOUT SHUTDOWN, OR ELSE NOTIFY THE DISTRICT OF ANY SERVICE SHUTDOWNS NECESSARY TO CONNECT TO EXISTING LINES.
36. IRRIGATION SERVICES SHALL HAVE A STOP-AND-WASTE CURB STOP VALVE INSTALLED ALONG WITH TRACER WIRE EXTENDING BACK TO THE MAIN LINE.
37. COMMENCEMENT OF USE OF WATER LINES AND/OR SYSTEMS:
A) NO WATER FACILITY SHALL BE PLACED IN SERVICE UNTIL AFTER THE COMPLETION OF ALL PRESSURE TESTING, FLUSHING, BACT TESTING, AND COMPACTION TESTING, AND AS-BUILT DRAWINGS ARE SUBMITTED AND APPROVED BY THE DISTRICT.
B) NO WATER FACILITY SHALL BE PLACED IN SERVICE UNTIL ALL SERVICE LINES ARE COMPLETED AND THE FIRST LIFT OF ASPHALT IS COMPLETED OVER THE LINE. IN THE CASE WHERE NO ASPHALT IS TO BE PLACED OVER THE LINE, SURFACE IMPROVEMENTS SHALL BE COMPLETED PRIOR TO USE OF THE FACILITY.
C) ALL EASEMENTS (PLATTED OR DEDED) ARE DEDICATED, EXECUTED BY THE DISTRICT, AND RECORDED.



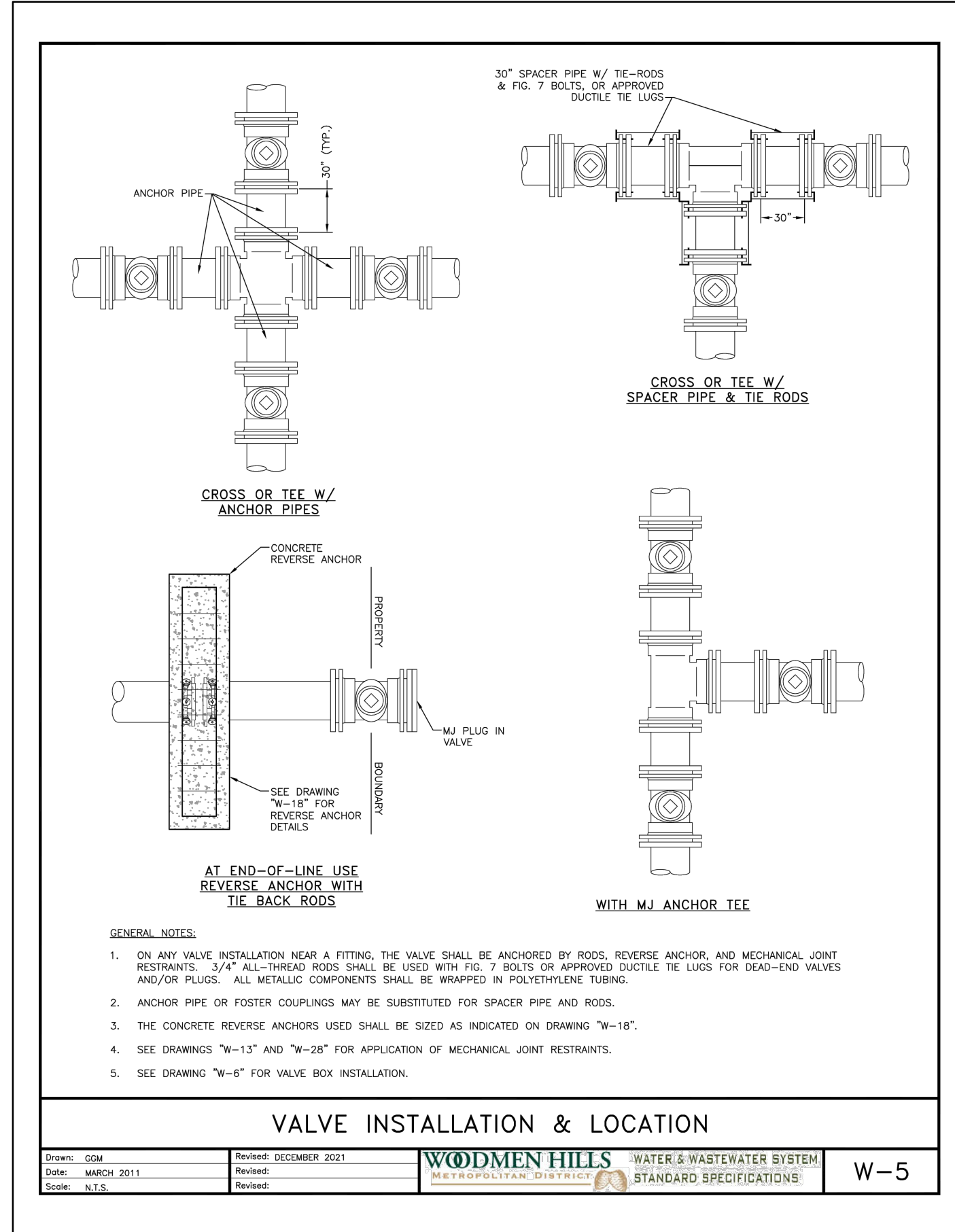
- NOTES:
1. SLP-TYPE 5-1/4" I.D. SHAFT TYLER PIPE SERIES 664-A OR EQUIVALENT, APPROVED BY THE DISTRICT.
2. MAIN AND FIRE HYDRANT VALVES AND VALVE BOXES SHALL BE LOCATED IN AND UNDER THE DRIVING SURFACE OF THE STREET, NOT IN THE CURB PAN, CURB, OR BEHIND THE CURB.
3. SEE DRAWING "W-10" FOR TRACER WIRE INSTALLATION AT VALVE BOXES.

VALVE BOX INSTALLATION W-6



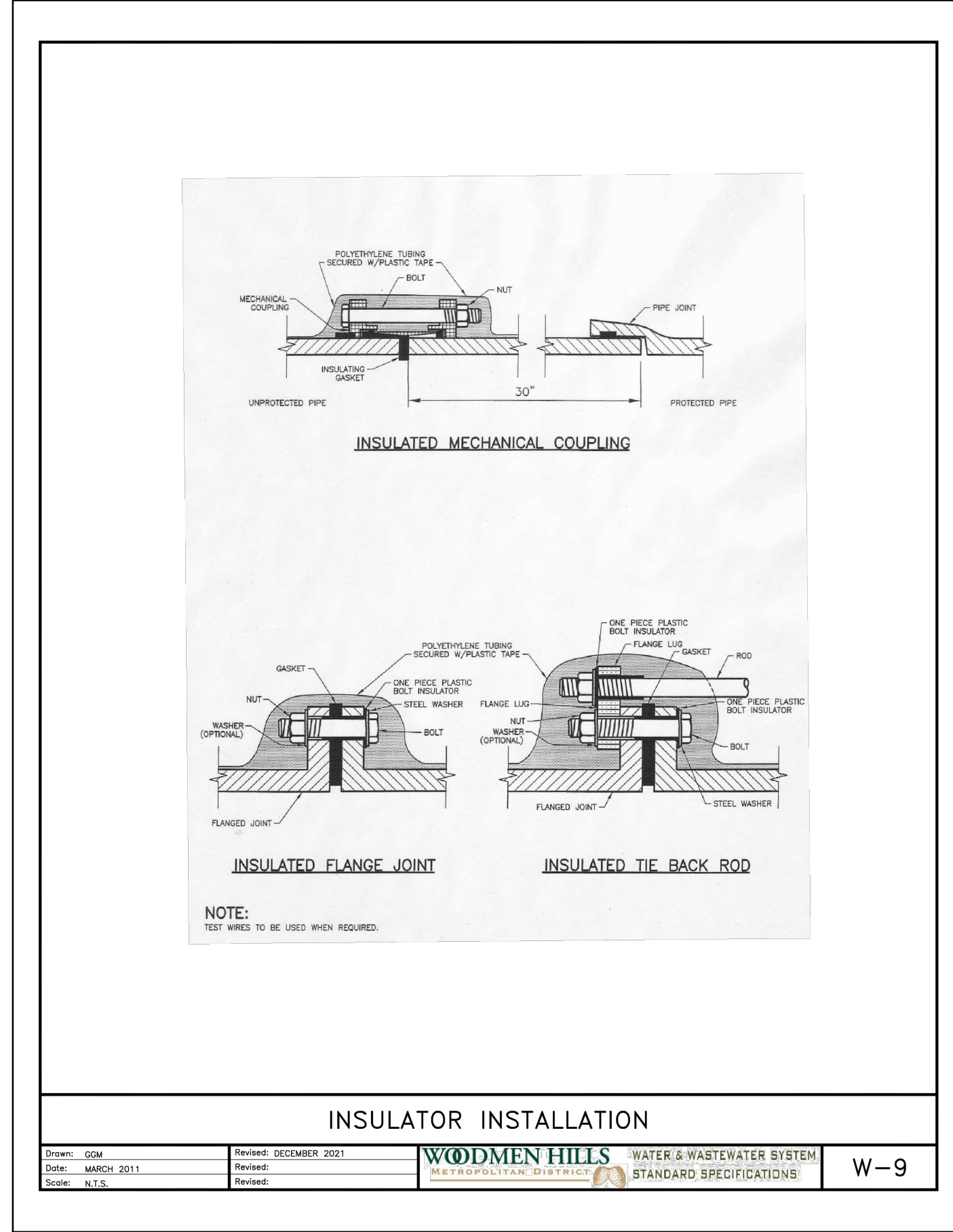
- NOTES:
1. CADWELD CONNECTION TO BE PRIMED AND COATED CAREFULLY. PACKAGED ANODE SHOULD BE COVERED WITH FINE SOIL CONTAINING NO ROCKS OR DIRT CLUMPS, TAMPED.
2. WHEN ANODES ARE REQUIRED WITH METAL FITTINGS AND APPURTENANCES TOGETHER WITH PVC PIPE INSTALLATION, THE ANODES SHALL BE PLACED AND ATTACHED TO THE METAL IN SAME MANNER AS SHOWN ON THIS DRAWING (SEE ANODES CAN BE USED ON METAL FITTINGS 1.5" AND LESS IN DIAMETER AND 17LB. ANODES FOR METAL FITTINGS GREATER THAN 1.5" DIAMETER WHEN USING PVC PIPE.
3. PACKAGED ANODE TO BE WETTED AND COVERED WITH SOIL PRIOR TO BACKFILLING.

BONDING JOINT & ANODE INSTALLATION W-8



- GENERAL NOTES:
1. ON ANY VALVE INSTALLATION NEAR A FITTING, THE VALVE SHALL BE ANCHORED BY RODS, REVERSE ANCHOR AND MECHANICAL JOINT RESTRAINTS. 3/4" ALL-THREAD RODS SHALL BE USED WITH FIG. 1 BOLTS OR APPROVED DUCTILE TIE LUGS FOR O-RING-END VALVES AND/OR PLUGS. ALL METALLIC COMPONENTS SHALL BE WRAPPED IN POLYETHYLENE TUBING.
2. ANCHOR PIPE OR FOSTER COUPLINGS MAY BE SUBSTITUTED FOR SPACER PIPE AND RODS.
3. THE CONCRETE REVERSE ANCHORS USED SHALL BE SIZED AS INDICATED ON DRAWING "W-18".
4. SEE DRAWINGS "W-13" AND "W-28" FOR APPLICATION OF MECHANICAL JOINT RESTRAINTS.
5. SEE DRAWING "W-6" FOR VALVE BOX INSTALLATION.

VALVE INSTALLATION & LOCATION W-5



INSULATOR INSTALLATION W-9

Table with columns for DRAWN BY, JOB DATE, JOB NUMBER, and CAD DATE. Values: CVW, 1/17/2025, 201662.08, 1/17/2025. Includes a note: BAR IS ONE INCH ON OFFICIAL DRAWINGS.

Table with columns for NO., DATE, BY, and REVISION DESCRIPTION. Includes a note: IF NOT ONE INCH, ADJUST SCALE ACCORDINGLY.

HR Green logo and contact information: 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), WATER DETAILS

SHEET W.2 89



MAIN SIZE (IN.)	TYPE OF FITTING	MINIMUM BEARING SURFACE AREA (H <sup>2</sup> )	A <sub>1</sub> (FT)	A <sub>2</sub> (FT)	A <sub>3</sub> (FT)	A <sub>4</sub> (FT)	A <sub>5</sub> (FT)	A <sub>6</sub> (FT)	A <sub>7</sub> (FT)	A <sub>8</sub> (FT)	APPROXIMATE VOLUME (Y <sup>3</sup> )
4	11.25' BEND	1.00	1.00	1.00	0.25	0.33	2.00	0.25			
4	22.5' BEND	2.00	2.00	1.41	0.21	0.33	22.00	0.25			
4	45' BEND	3.50	3.50	1.87	0.42	0.33	2.00	0.25			
4	TEE & DEAD END	4.75	4.75	2.18	0.67	0.33	4.75	0.25			
6	11.25' BEND	2.00	2.00	1.41	0.25	0.50	2.00	0.25			
6	22.5' BEND	3.75	3.75	1.94	0.38	0.50	2.00	0.25			
6	45' BEND	7.25	7.25	2.69	0.58	0.50	2.00	0.25			
6	TEE & DEAD END	9.50	9.50	3.08	0.83	0.50	2.00	0.50			
8	11.25' BEND	3.25	3.25	1.80	0.34	0.67	2.00	0.25			
8	22.5' BEND	6.50	6.50	2.55	0.48	0.67	2.00	0.25			
8	45' BEND	12.50	12.50	3.57	0.67	0.67	2.00	0.50			
8	TEE & DEAD END	16.25	16.25	4.64	1.08	0.67	2.00	0.75			

MAIN SIZE (IN.)	TYPE OF FITTING	MINIMUM BEARING SURFACE AREA (H <sup>2</sup> )	A <sub>1</sub> (FT)	A <sub>2</sub> (FT)	A <sub>3</sub> (FT)	A <sub>4</sub> (FT)	A <sub>5</sub> (FT)	A <sub>6</sub> (FT)	A <sub>7</sub> (FT)	A <sub>8</sub> (FT)	APPROXIMATE VOLUME (Y <sup>3</sup> )
12	11.25' BEND	4.75	2.18	2.18	0.43	1.00	2.00	0.25			
12	22.5' BEND	9.25	3.64	3.64	0.64	1.00	2.00	0.25			
12	45' BEND	18.00	4.92	3.66	1.00	1.00	2.00	0.75			
12	TEE & DEAD END	23.50	6.42	3.66	1.46	1.00	2.48	1.00			
16	11.25' BEND	8.00	2.83	2.83	0.44	1.33	2.00	0.50			
16	22.5' BEND	16.00	4.27	3.75	0.66	1.33	2.00	0.75			
16	45' BEND	31.00	8.27	3.75	1.00	1.33	3.64	1.75			
16	TEE & DEAD END	40.50	10.80	3.75	1.92	1.33	4.44	3.00			

MAIN SIZE (IN.)	TYPE OF FITTING	MINIMUM BEARING SURFACE AREA (H <sup>2</sup> )	A <sub>1</sub> (FT)	A <sub>2</sub> (FT)	A <sub>3</sub> (FT)	A <sub>4</sub> (FT)	A <sub>5</sub> (FT)	A <sub>6</sub> (FT)	A <sub>7</sub> (FT)	A <sub>8</sub> (FT)	APPROXIMATE VOLUME (Y <sup>3</sup> )
12	11.25' BEND	6.75	2.60	2.60	0.43	1.00	2.00	0.50			
12	22.5' BEND	13.50	3.69	3.66	0.64	1.00	2.00	0.50			
12	45' BEND	26.25	7.17	3.66	1.00	1.00	3.09	1.50			
12	TEE & DEAD END	34.25	9.36	3.66	1.46	1.00	3.95	2.25			
16	11.25' BEND	11.75	3.43	3.43	0.44	1.33	2.00	0.50			
16	22.5' BEND	23.25	6.20	3.75	0.66	1.33	2.77	1.00			
16	45' BEND	45.50	12.13	3.75	1.00	1.33	5.57	4.00			
16	TEE & DEAD END	59.50	15.87	3.75	1.92	1.33	6.98	6.50			

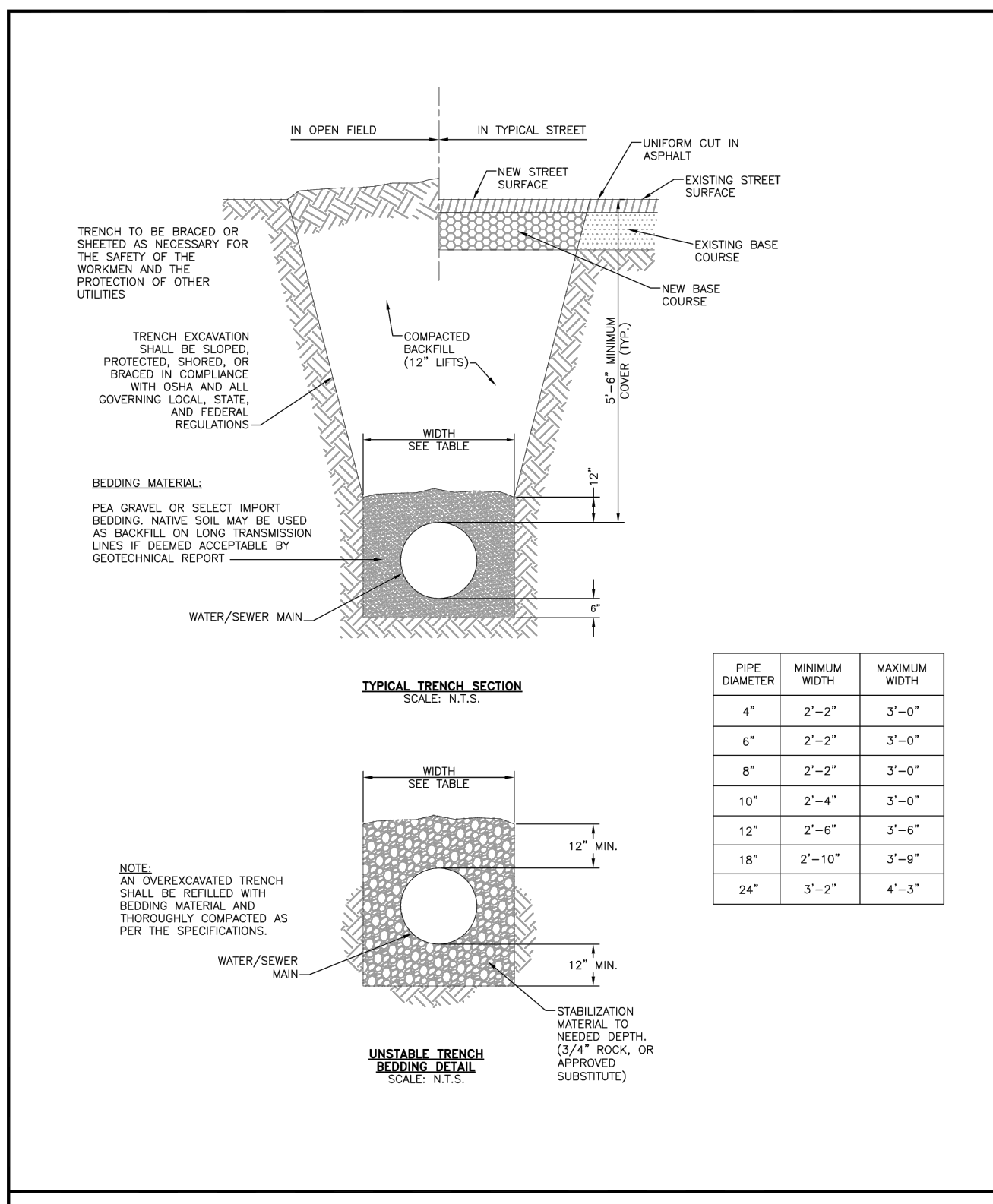
- NOTES:
- THE MINIMUM BEARING SURFACE AREAS SHOWN ARE BASED ON A MAX STATIC PIPE PRESSURE OF 170/250 POUNDS PER SQUARE INCH PLUS A SAFETY FACTOR OF 1.5 AND AN ALLOWABLE SOIL BEARING CAPACITY OF 1,500 POUNDS PER SQUARE INCH. BEARING SURFACE AREA IS ROUNDED UP TO THE NEAREST 0.25 SQUARE FEET. REFERENCE ANNA M-23 AND W-4.
  - THE DESIGN ENGINEER IS RESPONSIBLE FOR VERIFYING ASSUMPTIONS BASED ON ACTUAL SITE CONDITIONS. IF SITE CONDITIONS VARY FROM THE ASSUMPTIONS, THE DESIGN ENGINEER SHALL PROVIDE A SITE-SPECIFIC DESIGN IN ACCORDANCE WITH ANNA M-23, PVC PIPE - DESIGN AND INSTALLATION AND ANNA M-41, DUCTILE-IRON PIPE AND FITTINGS. SITE-SPECIFIC DESIGNS INCLUDING GEOTECHNICAL INFORMATION SHALL BE SUBMITTED TO THE DISTRICT FOR REVIEW.
  - THE MINIMUM BEARING SURFACE AREA AND APPROXIMATE VOLUME OF CONCRETE SHALL BE SHOWN ON THE CONSTRUCTION PLANS FOR ALL CONCRETE THRUST BLOCKS. SEE SECTION 9.4 FOR CONCRETE REQUIREMENTS. SEE SECTION 9.8 FOR THRUST BLOCK REQUIREMENTS.
  - THE APPROXIMATE VOLUMES SHOWN ARE BASED ON THE MINIMUM BEARING SURFACE AREA AND THE MINIMUM TRENCH DIMENSIONS. THE APPROXIMATE VOLUME IS ROUNDED UP TO THE NEAREST 0.25 CUBIC YARDS.
  - THESE CHARTS MAY ONLY BE USED IF THE BLOCK HEIGHT (H<sub>B</sub>) IS EQUAL TO OR LESS THAN ONE-HALF THE TOTAL DEPTH (H<sub>T</sub>) FROM THE FINISHED GRADE TO THE BOTTOM OF THE BLOCK. THE MINIMUM DIMENSIONS SHOWN ARE BASED ON A PIPE DEPTH OF 0.5 FEET.
  - A SITE-SPECIFIC DESIGN SHALL BE REQUIRED FOR PIPE SIZES LARGER THAN 16 INCHES OR MAX STATIC PIPE PRESSURES GREATER THAN 250 POUNDS PER SQUARE INCH. THE DESIGN ENGINEER HAS THE OPTION OF PROVIDING A SITE-SPECIFIC DESIGN FOR PIPES SMALLER THAN 16 INCHES OR MAX STATIC PRESSURES LESS THAN 250 POUNDS PER SQUARE INCH.
  - ALL CALCULATIONS SHALL BE PROVIDED TO THE DISTRICT FOR REVIEW.

**THRUST BLOCK DATA**

Drawn: SJS  
Date: MARCH 2011  
Scale: N.T.S.

Revised: DECEMBER 2021  
Revised: MARCH 2011  
Revised: N.T.S.

WOODMEN HILLS METROPOLITAN DISTRICT WATER & WASTEWATER SYSTEM STANDARD SPECIFICATIONS W-11

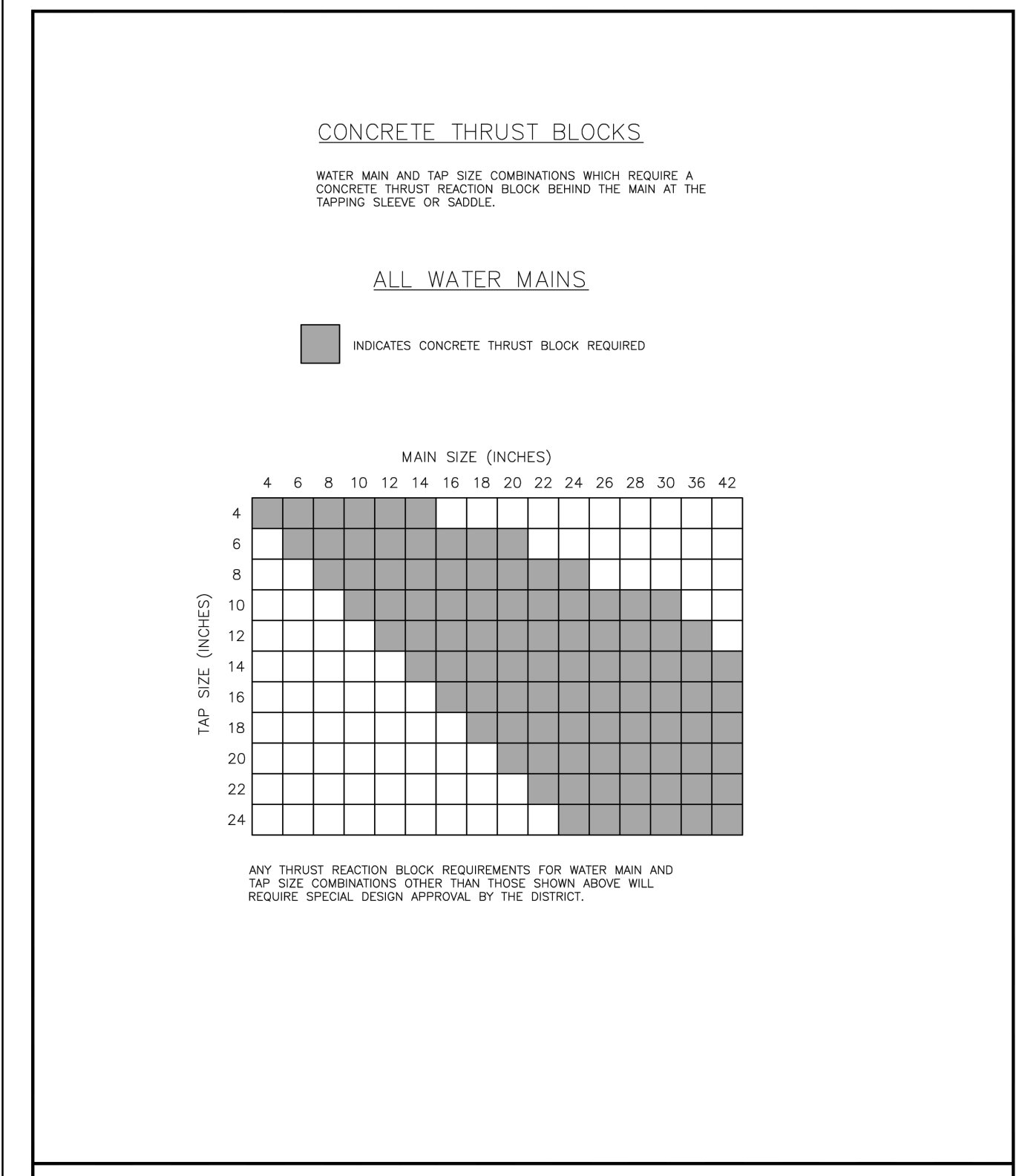


**TYPICAL TRENCH CROSS-SECTION**

Drawn: GJM/SJS  
Date: MARCH 2011  
Scale: N.T.S.

Revised: DECEMBER 2021  
Revised: MARCH 2011  
Revised: N.T.S.

WOODMEN HILLS METROPOLITAN DISTRICT WATER & WASTEWATER SYSTEM STANDARD SPECIFICATIONS W-14

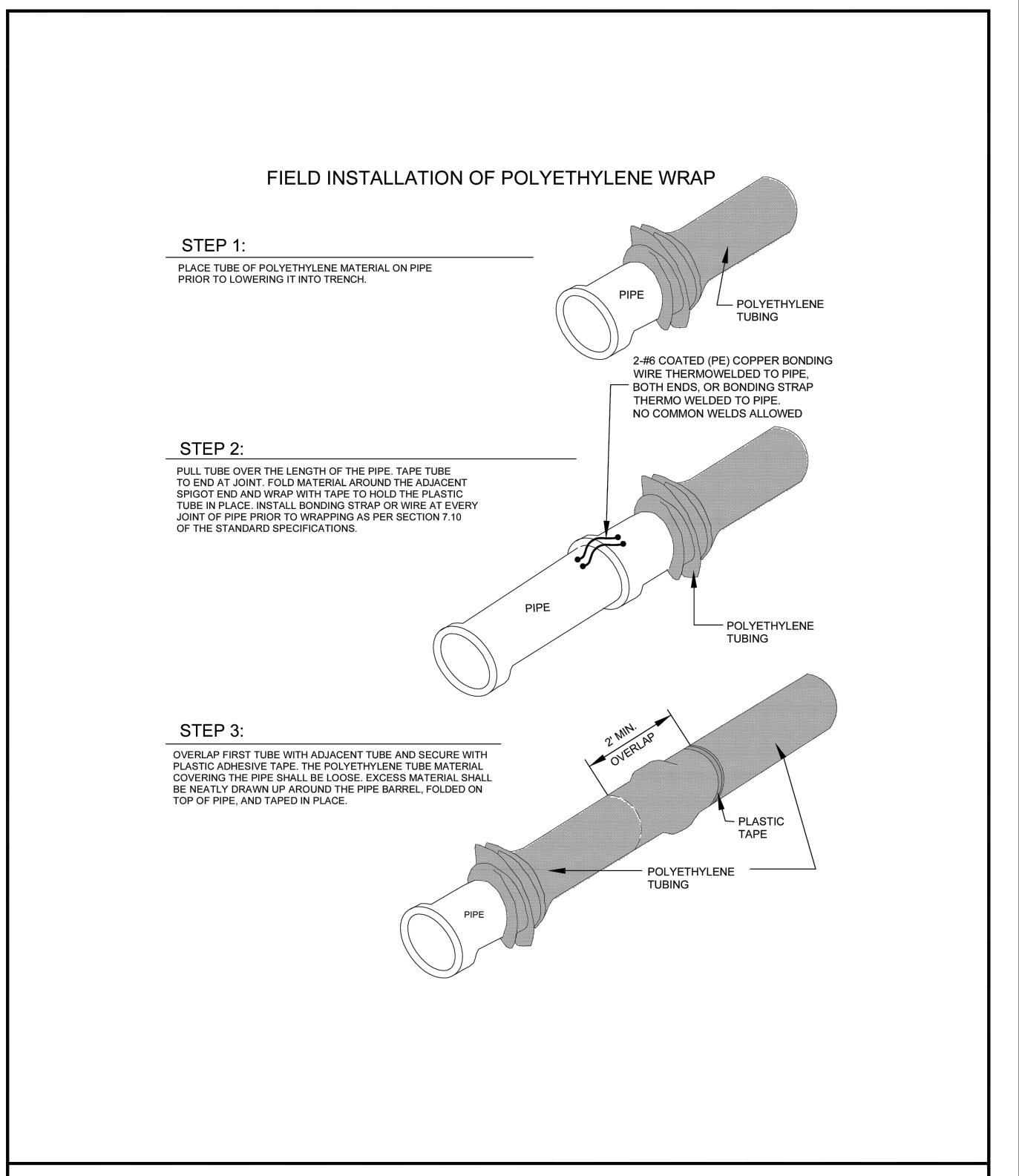


**THRUST BLOCKS REQUIRED FOR TAPS**

Drawn: GJM/SJS  
Date: MARCH 2011  
Scale: N.T.S.

Revised: DECEMBER 2021  
Revised: MARCH 2011  
Revised: N.T.S.

WOODMEN HILLS METROPOLITAN DISTRICT WATER & WASTEWATER SYSTEM STANDARD SPECIFICATIONS W-12

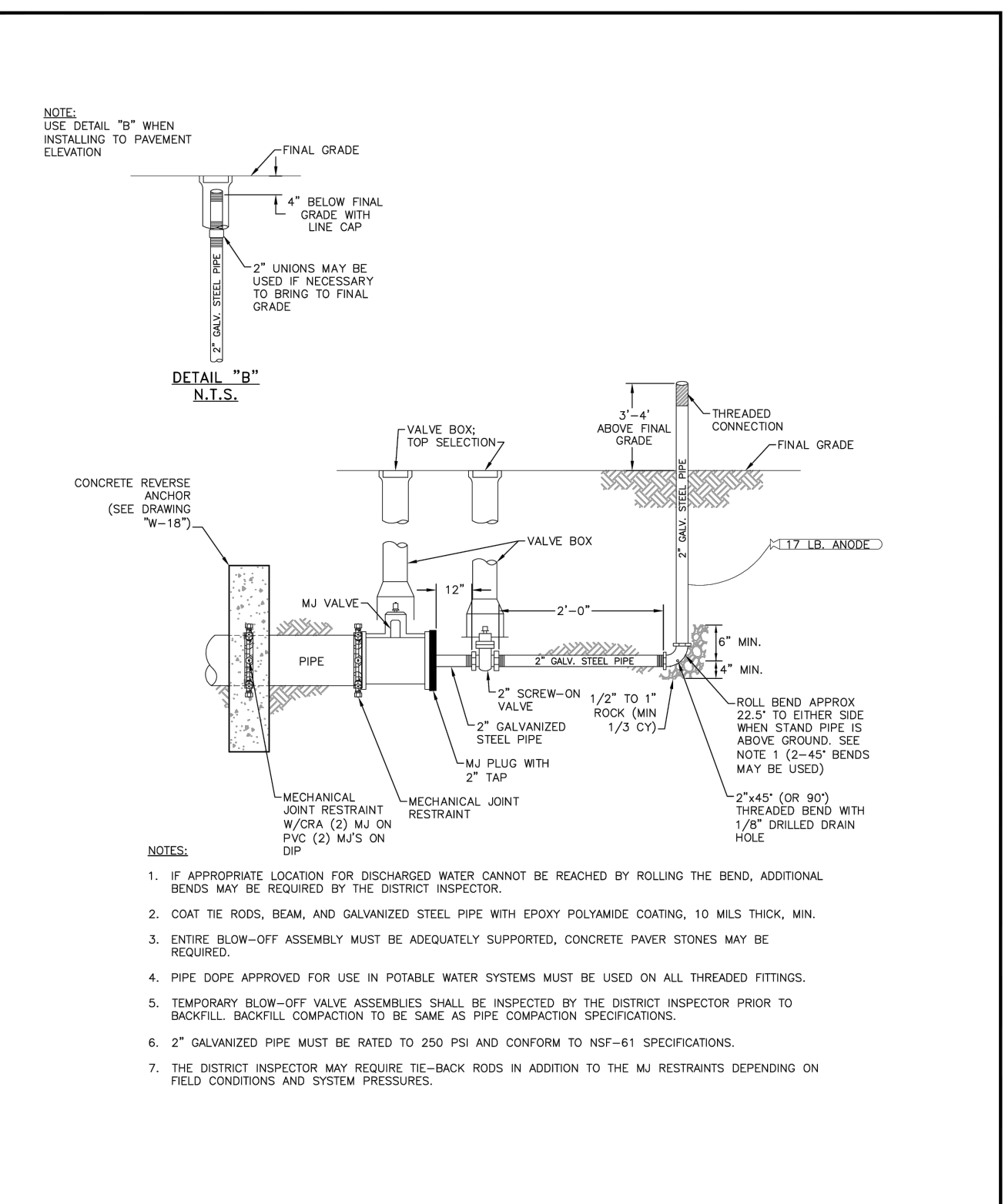


**POLYETHYLENE WRAP**

Drawn: GJM  
Date: MARCH 2011  
Scale: N.T.S.

Revised: DECEMBER 2021  
Revised: MARCH 2011  
Revised: N.T.S.

WOODMEN HILLS METROPOLITAN DISTRICT WATER & WASTEWATER SYSTEM STANDARD SPECIFICATIONS W-7

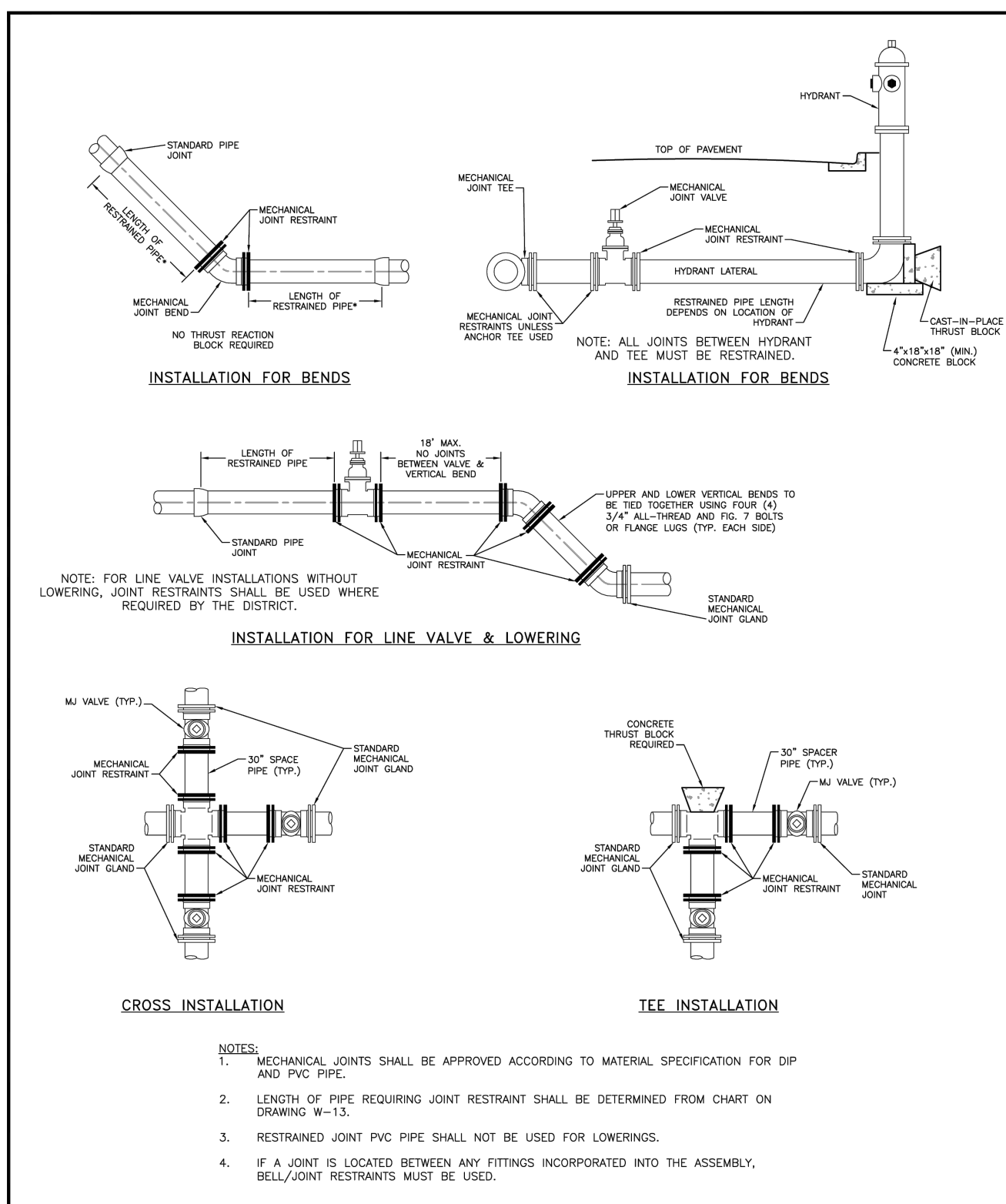


**TEMP BLOW-OFF ASSEMBLIES - 4", 6", & 8" MAINS W/MJ PLUG**

Drawn: GJM/SJS  
Date: MARCH 2011  
Scale: N.T.S.

Revised: DECEMBER 2021  
Revised: MARCH 2011  
Revised: N.T.S.

WOODMEN HILLS METROPOLITAN DISTRICT WATER & WASTEWATER SYSTEM STANDARD SPECIFICATIONS W-22

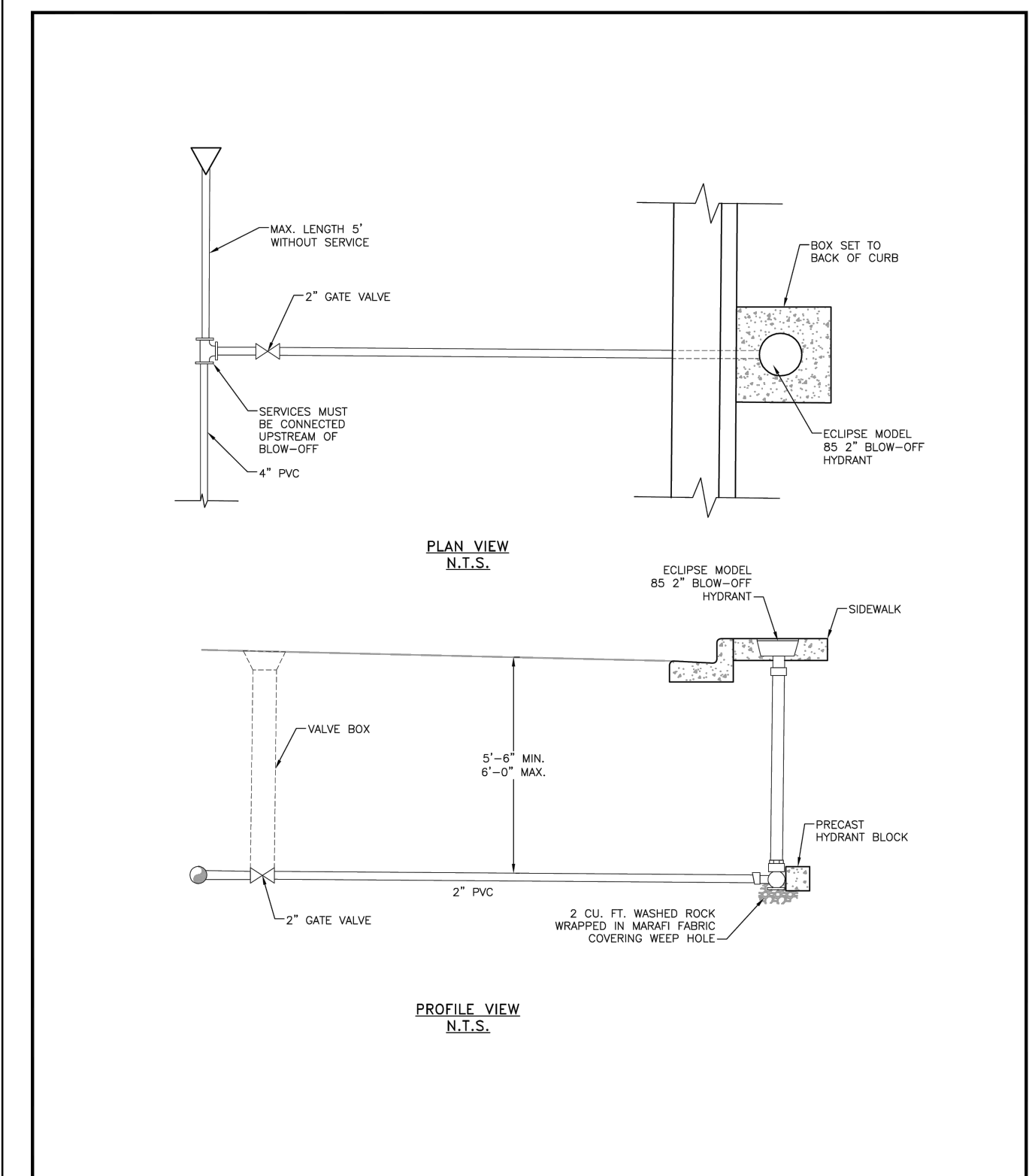


**APPLICATIONS FOR MECHANICAL JOINT RESTRAINTS**

Drawn: GJM  
Date: MARCH 2011  
Scale: N.T.S.

Revised: DECEMBER 2021  
Revised: MARCH 2011  
Revised: N.T.S.

WOODMEN HILLS METROPOLITAN DISTRICT WATER & WASTEWATER SYSTEM STANDARD SPECIFICATIONS W-28

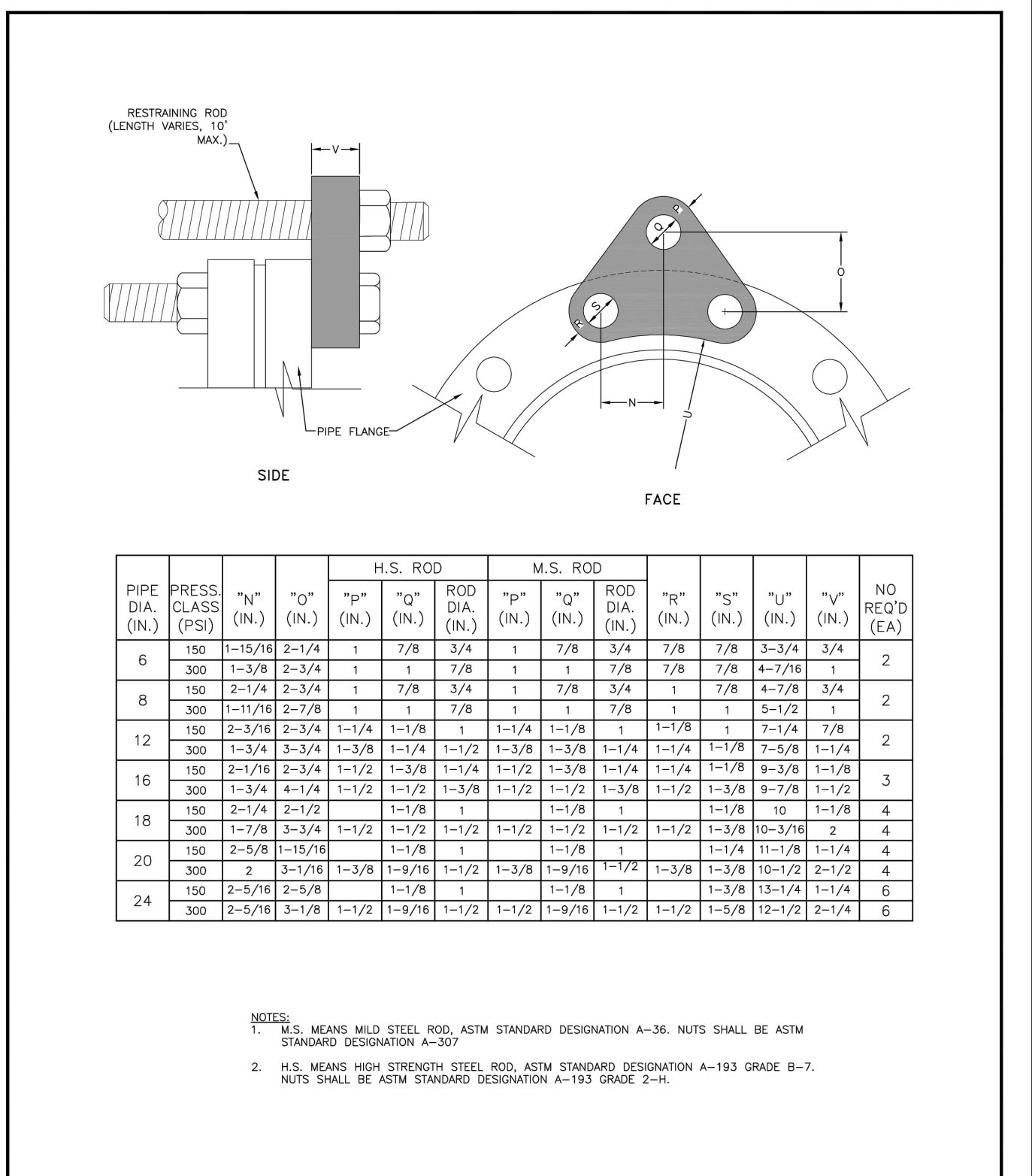


**CUL-DE-SAC BLOW-OFF DETAIL**

Drawn: GJM  
Date: MARCH 2011  
Scale: N.T.S.

Revised: DECEMBER 2021  
Revised: MARCH 2011  
Revised: N.T.S.

WOODMEN HILLS METROPOLITAN DISTRICT WATER & WASTEWATER SYSTEM STANDARD SPECIFICATIONS W-26



**FLANGE - LUG DETAIL**

Drawn: GJM  
Date: MARCH 2011  
Scale: N.T.S.

Revised: DECEMBER 2021  
Revised: MARCH 2011  
Revised: N.T.S.

WOODMEN HILLS METROPOLITAN DISTRICT WATER & WASTEWATER SYSTEM STANDARD SPECIFICATIONS W-27

DRAWN BY: CVW JOB DATE: 1/17/2025 BAR IS ONE INCH ON OFFICIAL DRAWINGS.  
APPROVED: CPM JOB NUMBER: 201662.08  
CAD DATE: 1/17/2025 IF NOT ONE INCH, ADJUST SCALE ACCORDINGLY.  
CAD FILE: J:\2020\201662\CAD\Drawings\C\Grandview\_662.10\Eastonville\_Water\DT01

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)  
WATER DETAILS

SHEET  
**W.3**  
90



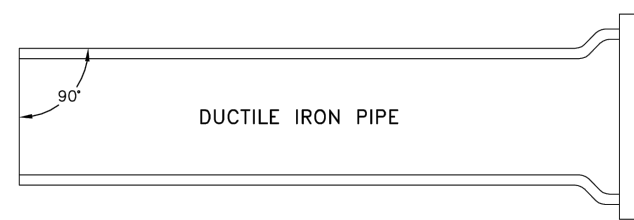
MAXIMUM DEFLECTION PER SLIP JOINT OF D.I.P.

PIPE DIAMETER I.D. (IN)	O.D. (IN)	O.D. (FT)	MFRS. DEFL.	DESIGN DEFLECTION (80% MAX.)		APPROX. RADIUS FOR DEFLECTING CURVES WITHOUT BENDS		
				MAX. DEFL. DIST. (1)	(2)	20'	18'	
4"	4.80"	4.00'	5/32"00"	4'10"00"	16"	15"	286'	258'
6"	6.90"	5.75'	3/32"00"	4'00"00"	16"	15"	286'	258'
8"	9.05"	7.54'	5/32"00"	4'00"00"	16"	15"	286'	258'
10"	11.10"	9.25'	5/32"00"	4'00"00"	16"	15"	286'	258'
12"	13.20"	11.00'	5/32"00"	4'00"00"	16"	15"	286'	258'
14"	15.30"	12.75'	3/32"00"	2'24"00"	10"	9"	477'	430'
16"	17.40"	14.50'	3/32"00"	2'24"00"	10"	9"	477'	430'
18"	19.50"	16.25'	3/32"00"	2'24"00"	10"	9"	477'	430'
20"	21.60"	18.00'	3/32"00"	2'24"00"	10"	9"	477'	430'
24"	25.80"	21.50'	3/32"00"	2'24"00"	10"	9"	477'	430'
30"	32.00"	26.66'	2'30"00"	2'00"00"	8"	7"	573'	516'
36"	38.30"	31.92'	2'00"00"	1'36"00"	6"	6"	716'	645'
42"	44.50"	37.08'	2'00"00"	1'36"00"	6"	6"	716'	645'

(1) 20'L = NORMAL 20-FOOT JOINT LAYING LENGTH  
(2) = NORMAL 18-FOOT JOINT LAYING LENGTH

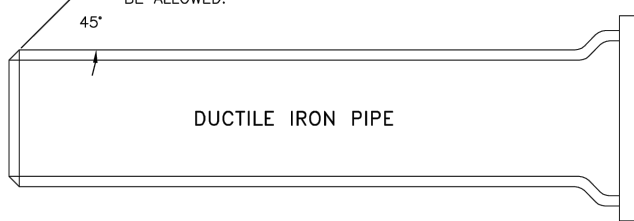
MAXIMUM PIPELINE DEFLECTION DATA

Drawn: GJM	Revised: DECEMBER 2021	<b>WOODMEN HILLS</b> WATER & WASTEWATER SYSTEM	W-16
Date: MARCH 2011	Revised:	METROPOLITAN DISTRICT STANDARD SPECIFICATIONS	
Scale: N.T.S.	Revised:		



MECHANICAL JOINT CONNECTION

PIPE MUST BE CUT AT RIGHT ANGLES TO LONGITUDINAL CENTERLINE IN ALL CASES. PIPE ENDS SHALL BE FREE OF BURRS. MORTAR LINING SHALL BE FLUSH WITH PIPE END.



SLIP JOINT CONNECTION

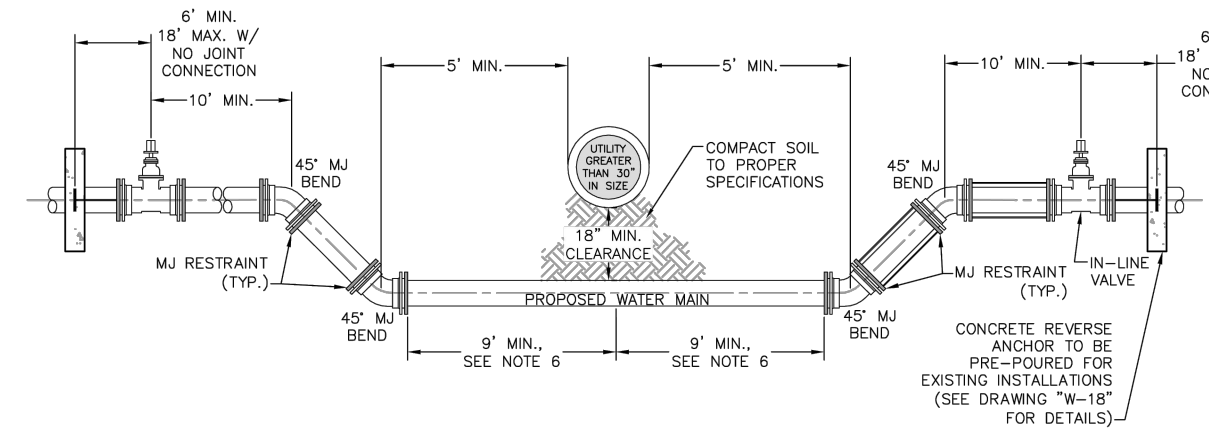
PIPE CUT IN STRAIGHT LINE AND BEVELED AT 45° ANGLE ON END.

GENERAL NOTES:

1. ALL PIPE CUTTING EQUIPMENT AND PIPE CUTS MUST BE APPROVED BY THE WATER AND SANITATION DISTRICT INSPECTOR.
2. ALL PIPE ENDS TO BE USED IN INSTALLATION SHALL BE DRESSED SMOOTH TO THE SATISFACTION OF THE INSPECTOR PRIOR TO INSTALLATION.
3. AT THE REQUEST OF THE CONTRACTOR MAKING THE INSTALLATION, THE DISTRICT WILL MAKE PIPE CUTS, PROVIDED THE CURRENT FEE PER CUT IS PAID AND 24-HOUR NOTICE IS GIVEN (THE CURRENT FEE IS SUBJECT TO CHANGE).
4. ALL DIP DELIVERED TO JOB SITE MUST BE NEW MATERIAL.

PIPE CUTTING

Drawn: GJM	Revised: DECEMBER 2021	<b>WOODMEN HILLS</b> WATER & WASTEWATER SYSTEM	W-17
Date: MARCH 2011	Revised:	METROPOLITAN DISTRICT STANDARD SPECIFICATIONS	
Scale: N.T.S.	Revised:		

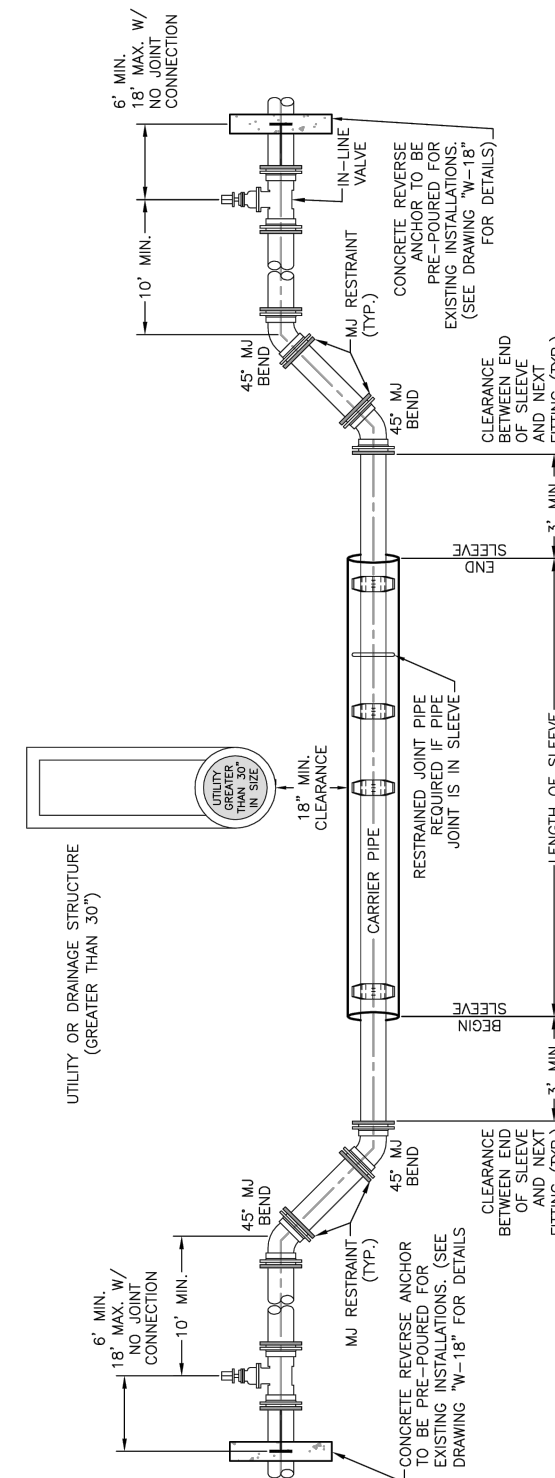


NOTES:

1. ALL DUCTILE IRON FITTINGS AND PIPE SHALL BE CATHODICALLY PROTECTED.
2. ALL FITTINGS SHALL HAVE MJ RESTRAINTS.
3. EXAMPLE CAN VARY DUE TO SITE CONDITIONS AND DISTRICT INSPECTOR'S DIRECTION.
4. RESTRAINED JOINTS ARE REQUIRED WITHIN LOWERING.
5. NO TAPS OR TEES ARE ALLOWED WITHIN THE LOWERING.
6. WHERE WATER MAIN CROSSES UNDER STORM SEWER, WASTEWATER, OR NON-POTABLE WATER INFRASTRUCTURE, A MINIMUM OF 9 FEET IS REQUIRED BETWEEN THE CENTERLINE OF THE CROSSING AND THE FIRST JOINT.

LOWERING DETAIL - UTILITY CROSSING 30" & SMALLER

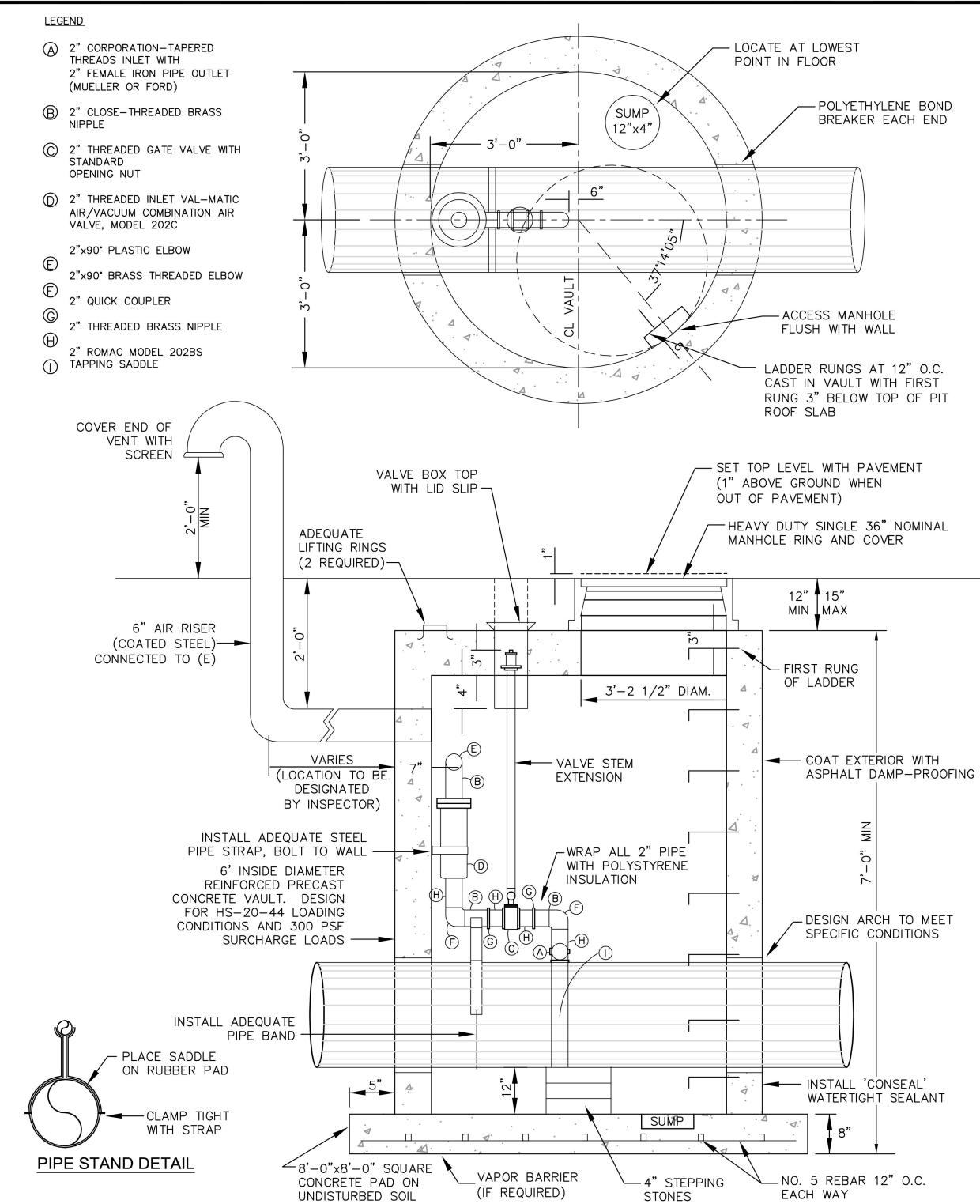
Drawn: GJM	Revised: DECEMBER 2021	<b>WOODMEN HILLS</b> WATER & WASTEWATER SYSTEM	W-19
Date: MARCH 2011	Revised:	METROPOLITAN DISTRICT STANDARD SPECIFICATIONS	
Scale: N.T.S.	Revised:		



- NOTES:
1. 3/4" ALL-THEAD TO BE USED FROM VALVE TO REERGE ANCHOR AND FROM UPPER BEND TO VALVE.
  2. RESTRAINTS MUST BE USED WITHIN THE LOWERING, BELLOUNT.
  3. CASING PIPE MUST BE CLEAN AND FREE OF ALL DIRT AND DEBRIS BEFORE INSTALLING CARRIER PIPE AND BEFORE INSTALLING END SEAL.
  4. CARRIER PIPE SHALL BE UP, UNLESS OTHERWISE APPROVED.
  5. LOWERING SHALL BE PERFORMED WITHIN THE LOWERING.
  6. FINISH AND INSTALL ONE 17 LB. MANGANESE ANGLE PER 20 FEET OR LESS OF CASING PIPE.
  7. ENTIRE LENGTH OF LOWERING (FROM VERTICAL BEND TO LOWER VERTICAL BEND) SHALL REST ON 18" MINIMUM OF 3/4" ROCK BELOW CASING AND UP TO SPRINGLINE OF CASING AND CARRIER PIPE.

LOWERING DETAIL W/CASING UTILITY CROSSING GREATER THAN 30"

Drawn: GJM	Revised: DECEMBER 2021	<b>WOODMEN HILLS</b> WATER & WASTEWATER SYSTEM	W-20
Date: MARCH 2011	Revised:	METROPOLITAN DISTRICT STANDARD SPECIFICATIONS	
Scale: N.T.S.	Revised:		



AIR/VAC PRESSURE VALVE PIT

Drawn: GJM	Revised: DECEMBER 2021	<b>WOODMEN HILLS</b> WATER & WASTEWATER SYSTEM	W-45
Date: MARCH 2011	Revised:	METROPOLITAN DISTRICT STANDARD SPECIFICATIONS	
Scale: N.T.S.	Revised:		

HR GREEN Xref6.xref--d101

DRAWN BY: CVW	JOB DATE: 1/17/2025	BAR IS ONE INCH ON OFFICIAL DRAWINGS.
APPROVED: CPM	JOB NUMBER: 201662.08	0 [ ] 1"
CAD DATE: 1/17/2025		IF NOT ONE INCH, ADJUST SCALE ACCORDINGLY.
CAD FILE: J:\2020\201662\CAD\Dwgs\CGrandview_662.10\Eastonville_Water\DT01		

NO.	DATE	BY	REVISION DESCRIPTION
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**HRGreen**  
 HR GREEN - COLORADO SPRINGS  
 1975 RESEARCH PARKWAY SUITE 230  
 COLORADO SPRINGS CO 80920  
 PHONE: 719.300.4140  
 FAX: 713.965.0044

**EASTONVILLE ROAD IMPROVEMENTS**  
**DR. HORTON**  
 EL PASO COUNTY, COLORADO

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

SHEET  
**W.4**  
 91



# EASTONVILLE ROAD FROM LONDONDERRY DR. TO REX RD. SEGMENT 2 IMPROVEMENTS STATIONING 47+00.00 - 79+31.62

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

**GENERAL LANDSCAPE PLAN NOTES:**

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

**IRRIGATION:**

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

**SHRUB/TREE PLANTING NOTES:**

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

**SODDING & SEEDING:**

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

**GENERAL NOTES**

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

GROUND COVER LEGEND/QUANTITIES			
SYMBOL	DESCRIPTION	QUANTITY	UNITS
	2-4" BLUE GREY RIVER ROCK TO BE ROCK NOTED ABOVE OR APPROVED EQUAL. WEED BARRIER FABRIC IS TO BE INSTALLED IN ALL LOCATIONS. INSTALLED PER SUPPLIER'S SPECIFICATIONS.	5904	SQ. FT.
	1-1/2" DENVER GRANITE TO BE ROCK NOTED ABOVE OR APPROVED EQUAL. WEED BARRIER FABRIC IS TO BE INSTALLED IN ALL LOCATIONS. INSTALLED PER SUPPLIER'S SPECIFICATIONS.	14664	SQ. FT.
	NATIVE LOW GROW SEED MIX PRE-BLENDED. EL PASO COUNTY ALL PURPOSE LOW GROW MIX INSTALLED PER SUPPLIER'S SPECIFICATIONS. TEMPORARILY IRRIGATED UNTIL ESTABLISHED.	64131	SQ. FT.
	LOW MAINTAINED SEED MIX PRE-BLENDED. BUFFALO/BLUE GRAMA SEED MIX. INSTALLED PER SUPPLIER'S SPECIFICATIONS. IRRIGATED 1-2 TIMES PER MONTH. MOWED TO 6" HEIGHT 3 TIMES PER YEAR.	26384	SQ. FT.

**CLIENT/DEVELOPER**  
D.R. HORTON  
9555 S. KINGSTON COURT #200  
ENGLEWOOD, CO 80112  
PHONE: 303.488.0061

**ENGINEER**  
HR GREEN INC.  
1975 RESEARCH PARKWAY #160  
COLORADO SPRINGS, CO 80920  
PHONE: 719.300.4140

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

**SHEET INDEX:**

- SHEET 92 - LANDSCAPE COVER & NOTES
- SHEET 93 - OVERALL LANDSCAPE PLAN
- SHEET 94 - LANDSCAPE PLAN
- SHEET 95 - LANDSCAPE PLAN
- SHEET 96 - LANDSCAPE PLAN
- SHEET 97 - LANDSCAPE PLAN
- SHEET 98 - LANDSCAPE DETAILS

**SEEDING SPECIFICATIONS**

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

SEEDING RATE: 42 LBS PLS/ACRE

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

SEEDING RATE: 3 LBS. PER 1,000 SF

**PLANT SCHEDULE SEGMENT 2**

SYMBOL	CODE	QTY	BOTANICAL / COMMON NAME	PLANTING SIZE	MATURE HEIGHT	MATURE WIDTH
<b>EVERGREEN TREES</b>						
	PN	6	PINUS NIGRA / AUSTRIAN PINE	6" HT.	40 - 65ft. ht.	25 - 40ft. w.

**ENGINEERING LEGEND**

<p><b>MATCH LINE</b></p> <p><b>PHASE LINE</b></p> <p><b>SECTION LINE</b></p> <p><b>PROPERTY LINE</b></p> <p><b>EASEMENT LINE</b></p> <p><b>RIGHT OF WAY</b></p> <p><b>CENTERLINE</b></p> <p><b>PRIVACY FENCE</b></p> <p><b>SPLIT RAIL FENCE</b></p> <p><b>METAL FALL FENCE</b></p> <p><b>GUARDRAIL</b></p> <p><b>CABLE TV</b></p> <p><b>U.G. ELECTRIC</b></p> <p><b>OVERHEAD ELECTRIC</b></p> <p><b>FIBER OPTIC</b></p> <p><b>GAS MAIN</b></p> <p><b>SANITARY SEWER</b></p> <p><b>STORM DRAIN</b></p> <p><b>TELEPHONE</b></p> <p><b>WATER MAIN</b></p> <p><b>SWALE</b></p> <p><b>TRAIL</b></p> <p><b>CURB &amp; GUTTER</b></p> <p><b>DRAINAGE BASIN</b></p> <p><b>INDEX CONTOUR</b></p> <p><b>INTER. CONTOUR</b></p> <p><b>100-YR FLOODPLAIN</b></p> <p><b>FLOODWAY</b></p> <p><b>EDGE OF WETLANDS</b></p>	<p><b>EXISTING</b></p> <p><b>PROPOSED</b></p>	<p><b>STORM SEWER</b></p> <p>MANHOLE</p> <p>STORM INLET</p> <p>FLARED END SECTION</p> <p>RIPRAP</p> <p><b>SANITARY SEWER</b></p> <p>CLEAN OUT</p> <p>MANHOLE</p> <p>PLUG</p> <p><b>WATER</b></p> <p>FIRE HYDRANT</p> <p>FIRE DEPT. CONNECTION</p> <p>GATE VALVE</p> <p>MANHOLE</p> <p>METER</p> <p>TEE</p> <p>REDUCER</p> <p><b>DRY UTILITIES</b></p> <p>ELECTRIC METER</p> <p>ELECTRIC PEDESTAL</p> <p>ELECTRICAL CABINET</p> <p>ELECTRIC VAULT</p> <p>FIBER OPTIC PULL BOX</p> <p>FIBER OPTIC MANHOLE</p> <p>FIBER OPTIC PEDESTAL</p> <p>FIBER OPTIC SIGN</p> <p>FIBER OPTIC VAULT</p> <p>GAS METER</p> <p>GAS SIGN</p> <p>GAS VAULT</p> <p>TELEPHONE CABINET</p> <p>TELEPHONE MANHOLE</p> <p>TELEPHONE SIGNALMAST</p> <p>TELEPHONE SIGN</p> <p>TELEPHONE PEDESTAL</p> <p>TRANSFORMER</p> <p>LIGHT POLE</p> <p>FIBER OPTIC VAULT</p>	<p><b>MISCELLANEOUS</b></p> <p>SIGN</p> <p>BOLLARD</p> <p>ACCESSIBLE PARKING</p>
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DRAWN BY: JAG      JOB DATE: 12/6/2024      BAR IS ONE INCH ON OFFICIAL DRAWINGS.  
 APPROVED: JFR      JOB NUMBER: 201662      0"      IF NOT ONE INCH, ADJUST SCALE ACCORDINGLY.  
 CAD DATE: 12/6/2024  
 CAD FILE: J:\2020\201662\CAD\Drawings\Eastonville\_Road\_662.08\Segment\_2(CD)\FLPLandscape-Plan\_S2

NO.	DATE	BY	REVISION DESCRIPTION

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

EASTONVILLE ROAD IMPROVEMENTS  
DR. HORTON  
EL PASO COUNTY, COLORADO



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

SHEET  
L.01  
92



EDARP FILING NO. CDR2321



















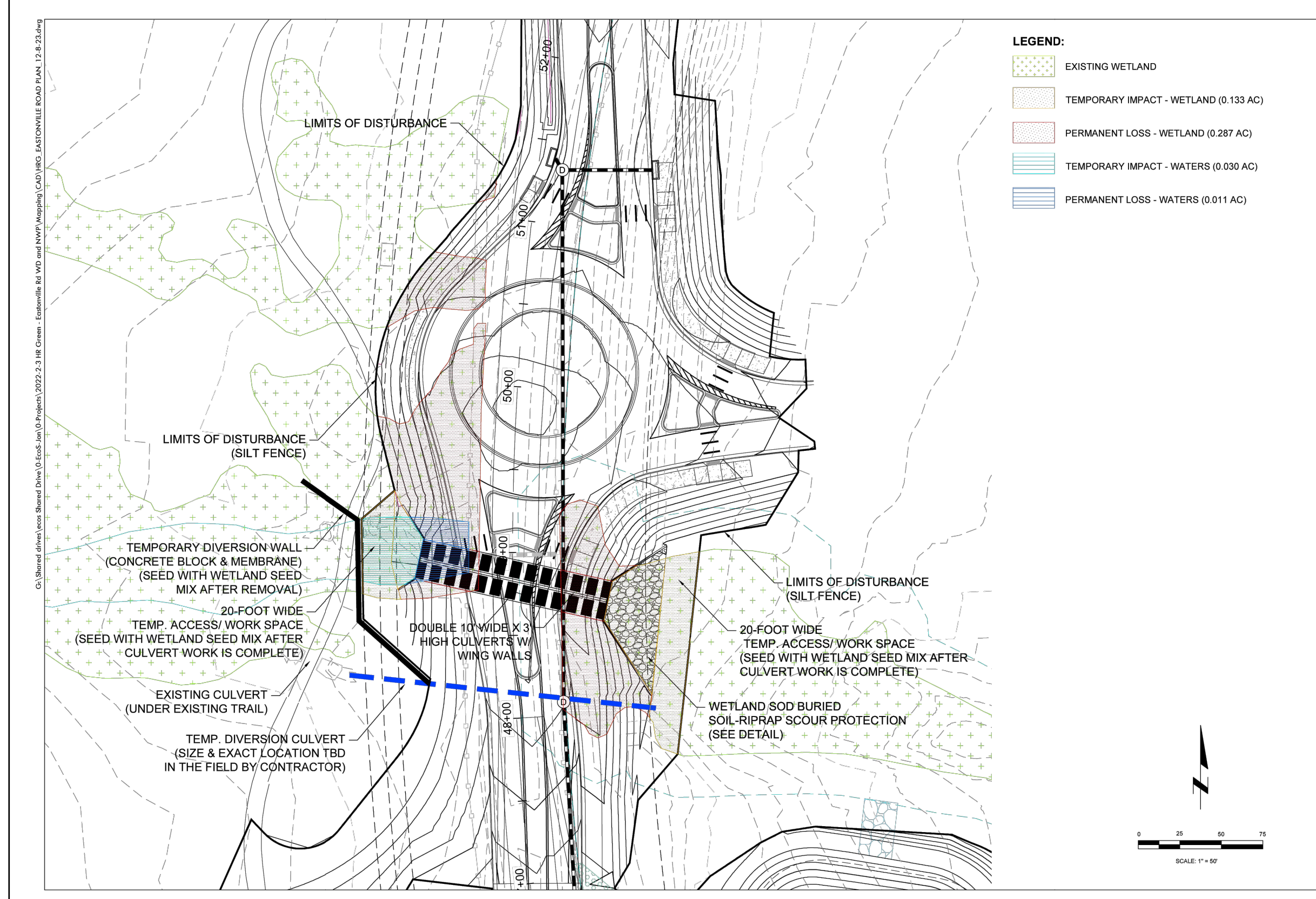








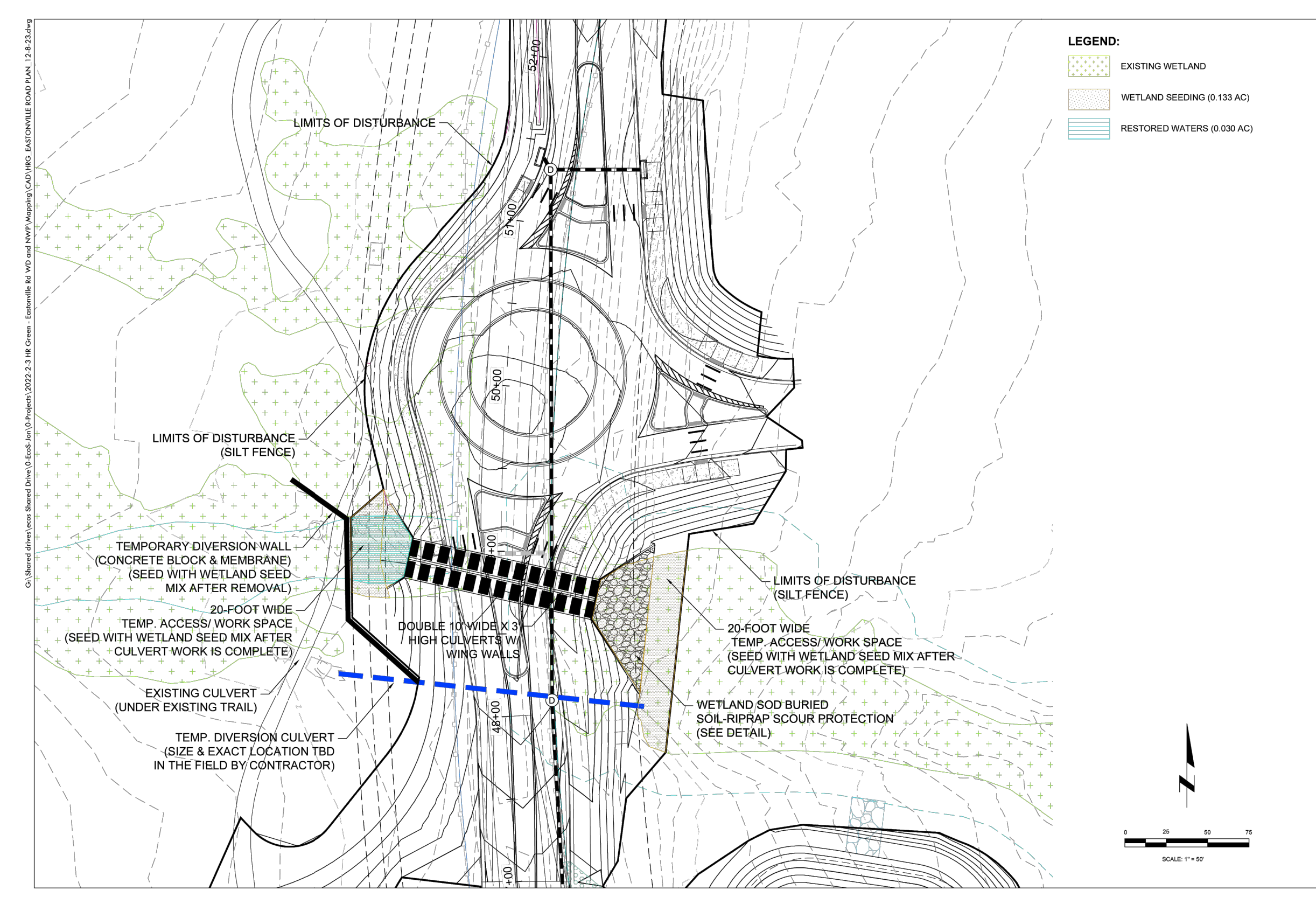
NOTE: ECOS PLANS NOT TO SCALE, PROVIDED FOR REFERENCE REFER TO THE APPROVED NWP 14 PCN FOR EASTONVILLE ROAD IMPROVEMENTS (SPA-2024-207).



EASTONVILLE ROAD IMPROVEMENT PROJECT  
NATIONWIDE PERMIT 14  
REVISED WOTUS IMPACT MAP

FIGURE 6

DATE: 11/24/24  
SCALE: 1" = 40'



EASTONVILLE ROAD IMPROVEMENT PROJECT  
NATIONWIDE PERMIT 14  
REVISED WOTUS RESTORATION SEEDING PLAN

FIGURE 7A

DATE: 11/24/24  
SCALE: 1" = 40'

### EASTONVILLE ROAD WETLAND SEED SCHEDULE

11/6/2024

Scientific Name	Common Name	Indicator	% Percent of Mix	Seeds per SF	* Seeds per LB	* LBS/LSP per AC	Drill Seeding Total LBS	Broadcast Seeding Total LBS
Carex nebrascensis	Nebraska sedge	OBL	20.0%	10.0	534,100	0.82	0.11	0.22
Carex praegracilis	meadow sedge	FACW	10.0%	5.0	1,816,000	0.12	0.02	0.03
Juncus balticus	baltic rush	OBL	20.0%	10.0	8,000,000	0.05	0.01	0.01
Juncus ensifolius	slenderleaf rush	FACW	5.0%	2.5	2,914,000	0.04	0.01	0.01
Juncus tenuis	slender rush	FAC	5.0%	2.5	16,000,000	0.01	0.01	0.02
Panicum virgatum	switchgrass	FAC	10.0%	5.0	389,000	0.56	0.08	0.15
Pascopyrum smithii	western wheatgrass	FACU	15.0%	7.5	110,000	2.97	0.40	0.80
Spartina pectinata	prairie cordgrass	FACW	5.0%	2.5	197,000	0.55	0.07	0.15
Sporobolus airoides	Alkali Sacaton	FAC	10.0%	5.0	1,758,000	0.12	0.02	0.03
* Seed mix variables.				100.0%	50.0	5.24	0.72	1.43

WETLAND SEED MIX

Seeds per SF: 50  
Seeding Acres: 0.13

EASTONVILLE ROAD IMPROVEMENT PROJECT  
NATIONWIDE PERMIT 14  
WOTUS RESTORATION SEED SCHEDULES

FIGURE 7B

DATE: 11/24/24  
SCALE: 1" = 40'

### GENERAL NOTES:

1. CONSTRUCTION OBSERVATION OF WETLAND MITIGATION RESTORATION IS TO BE PERFORMED BY THE CONTRACTOR. THE GENERAL CONTRACTOR SHALL BE RESPONSIBLE TO THE CONTRACTOR FOR THE WOTUS RESTORATION. THE CONTRACTOR SHALL MAINTAIN RECORDS OF THE PROJECT ENGINEER WILL BE REFERRED TO AS THE ENGINEER.

2. ECOSISTEM SHALL GUIDE AND INSPECT WETLAND RESTORATION WORK WITH THE CONTRACTOR AND SUBCONTRACTOR NEARBY TO THE PROJECT.

3. RESTORATION AREAS ARE TO BE SEEDING AND PLANTED/SPIROFIED WITH THE SPECIES PROVIDED ON THE PLAN & SEED SCHEDULES.

4. SEEDS SHALL BE SEEDING AS SOON AS PRACTICABLE UPON COMPLETION OF EARTHWORK OPERATIONS WITHIN THE TIME FRAMES INDICATED IN THE SEEDING NOTES.

5. TO ENSURE AVAILABILITY, SEED AND PLANT MATERIALS MAY BE ACQUIRED FOR THE PROJECT IN ADVANCE OF CONSTRUCTION BY THE CLIENT (REFER TO SEEDING PLANS FOR MORE INFORMATION). THE CONTRACTOR SHALL HAVE THE RIGHT TO REFUSE ANY NON-STANDARD MATERIALS THAT EXHIBIT DEFECTS THAT WOULD PROHIBIT SEEDLING AND PLANTING. THE CONTRACTOR SHALL BE RESPONSIBLE FOR REPLACING ALL MATERIALS THAT ARE DEFECTIVE. THE CONTRACTOR SHALL BE RESPONSIBLE FOR REPLACING ALL MATERIALS THAT ARE DEFECTIVE. THE CONTRACTOR SHALL BE RESPONSIBLE FOR REPLACING ALL MATERIALS THAT ARE DEFECTIVE.

6. CONSTRUCTION SURVEYING SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO VERIFY GRADES, SEEDING OR PLANTING AREA BOUNDARIES OR EXTENTS AS SHOWN ON DRAWINGS. THE CONTRACTOR SHALL BE RESPONSIBLE TO NOTIFY THE CLIENT OF ANY CHANGES TO THE PLAN. THE CONTRACTOR SHALL BE RESPONSIBLE TO NOTIFY THE CLIENT OF ANY CHANGES TO THE PLAN.

7. CONTRACTOR SHALL NOT EXCEED OR WORK OUTSIDE OF THE PERMITTED LIMITS OF DISTURBANCE. THE CONTRACTOR SHALL BE RESPONSIBLE TO MAINTAIN RECORDS OF THE PROJECT ENGINEER WILL BE REFERRED TO AS THE ENGINEER.

8. SITE WORK SHALL NOT BEGIN UNTIL ALL APPLICABLE LICENSES AND PERMITS ARE OBTAINED FROM THE CONTRACTOR. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL APPLICABLE LICENSES AND PERMITS.

9. THE CONTRACTOR SHALL BE RESPONSIBLE FOR SATISFYING THE REQUIREMENTS OF ANY APPLICABLE PERMITS PERTAINING TO WETLANDS, WATERS, THREATENED OR ENDANGERED SPECIES, WOTUS PERMITS, AND WATERS. THE CONTRACTOR SHALL BE RESPONSIBLE FOR SATISFYING THE REQUIREMENTS OF ANY APPLICABLE PERMITS PERTAINING TO WETLANDS, WATERS, THREATENED OR ENDANGERED SPECIES, WOTUS PERMITS, AND WATERS.

10. ANY WORK THAT WILL TAKE PLACE IN AND AROUND A WATER BODY MAY BE SUBJECT TO PERIODIC FLOODING. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE CONTROL OF SURFACE AND SUBSURFACE WATER AND PROTECTION OF OTHER PROPERTIES BEHIND FROM SURFACE FLOODS, BULK FLOODS, OR FLOODING INCLUDING BUCKLE UP WATERS. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE CONTROL OF SURFACE AND SUBSURFACE WATER AND PROTECTION OF OTHER PROPERTIES BEHIND FROM SURFACE FLOODS, BULK FLOODS, OR FLOODING INCLUDING BUCKLE UP WATERS.

11. EROSION CONTROL MEASURES SHALL REMAIN IN FULL FORCE DURING CONSTRUCTION ACTIVITIES AND AS REQUIRED BY THE GOVERNING REGULATIONS.

### EARTHWORK NOTES:

1. THE CONTRACTOR SHALL INSTALL AND MAINTAIN BMPs AS NEEDED TO PROTECT EXISTING WETLANDS, WATERS, AND THREATENED OR ENDANGERED SPECIES. THE CONTRACTOR SHALL MAINTAIN RECORDS OF THE PROJECT ENGINEER WILL BE REFERRED TO AS THE ENGINEER.

2. THE CONTRACTOR SHALL MAINTAIN RECORDS OF THE PROJECT ENGINEER WILL BE REFERRED TO AS THE ENGINEER.

3. THE CONTRACTOR SHALL MAINTAIN RECORDS OF THE PROJECT ENGINEER WILL BE REFERRED TO AS THE ENGINEER.

4. THE CONTRACTOR SHALL MAINTAIN RECORDS OF THE PROJECT ENGINEER WILL BE REFERRED TO AS THE ENGINEER.

5. THE CONTRACTOR SHALL MAINTAIN RECORDS OF THE PROJECT ENGINEER WILL BE REFERRED TO AS THE ENGINEER.

### MAINTENANCE REPORTS & PHOTOS IF NECESSARY FOLLOWING EACH MAINTENANCE SITE VISIT TO DOCUMENT CONDITIONS, ACTIVITIES PERFORMED, AND ANY ISSUES OR INFORMATION THAT IS RELEVANT TO THE SUCCESS OF THE PROJECT.

### SUBSTITUTIONS:

1. EROSION CONTROL FABRIC, BARRIER OR ASSOCIATED HARDWARE OR FASTENERS SUBSTITUTIONS SHALL BE APPROVED BY THE CONTRACTOR. THE CONTRACTOR SHALL MAINTAIN RECORDS OF THE PROJECT ENGINEER WILL BE REFERRED TO AS THE ENGINEER.

2. A SINGLE PLANT OR SEED SUPPLIER IS UNABLE TO PROVIDE THE PLANTS OR SEEDS FOR THE PROJECT, THE CONTRACTOR SHALL BE RESPONSIBLE TO OBTAIN THE SPECIFIED PLANTS AND SEEDS FROM AN ALTERNATIVE SOURCE. THE CONTRACTOR SHALL MAINTAIN RECORDS OF THE PROJECT ENGINEER WILL BE REFERRED TO AS THE ENGINEER.

3. THE CONTRACTOR SHALL MAINTAIN RECORDS OF THE PROJECT ENGINEER WILL BE REFERRED TO AS THE ENGINEER.

4. THE CONTRACTOR SHALL MAINTAIN RECORDS OF THE PROJECT ENGINEER WILL BE REFERRED TO AS THE ENGINEER.

5. THE CONTRACTOR SHALL MAINTAIN RECORDS OF THE PROJECT ENGINEER WILL BE REFERRED TO AS THE ENGINEER.

### SEEDING NOTES:

1. EXCEPT FOR SOIL RIPRAP INSTALLATIONS, SUBSOIL SHALL BE RIPPED TO MINIMUM DEPTH OF 12 INCHES PRIOR TO TOPSOIL PLACEMENT AND SOIL AMENDMENT TO DECOMPACK AND ENSURE TOPSOIL IS RETAINED AND ATTACHED TO SUBSOIL.

2. THE FINAL GRADED SURFACE SHALL BE PREPARED PRIOR TO SEEDING, CREATING A UNIFORM AND LIGHTLY COMPACTED SURFACE SUITABLE FOR SEED GERMINATION. ANY PREPARED AGENT UNITS CORRECT ANY OVERLY COMPACTED SURFACE SHALL BE REMOVED AND REPLACED WITH SOIL TO THE TOP OF THE GRADE. THE CONTRACTOR SHALL MAINTAIN RECORDS OF THE PROJECT ENGINEER WILL BE REFERRED TO AS THE ENGINEER.

3. ALL LARGE CLOSURE, CORNER, ROCK, BRANCHES OR OTHER MATERIAL THAT WOULD PREVENT FLUSH INSTALLATION OF EROSION CONTROL, BARRIER, OR FASTENERS SHALL BE REMOVED PRIOR TO SEEDING. THE CONTRACTOR SHALL MAINTAIN RECORDS OF THE PROJECT ENGINEER WILL BE REFERRED TO AS THE ENGINEER.

4. NUTRIENT DEFICIENT OR EXCESSIVE RICH TOPSOIL, OR BARRIER MATERIAL SHALL BE AMENDED WITH MACRO- OR MICRO-NUTRIENTS AS DIRECTED BY THE ECOSYSTEM ENGINEER.

5. THE FOLLOWING MATERIALS SHALL BE ACCORDING TO TOPSOIL USED IN UPLANDS:

- CERTIFIED WEEB FREE CLASS 1 COMPOST SHALL BE APPLIED TO ALL UPLAND SEEDING AREAS AT A RATE OF 1 TON PER 1000 SQ FT. THE COMPOST SHALL BE SPREAD TO A DEPTH OF 2 INCHES AND WATERED IN TO THE TOP OF THE TOPSOIL. THE CONTRACTOR SHALL MAINTAIN RECORDS OF THE PROJECT ENGINEER WILL BE REFERRED TO AS THE ENGINEER.
- CERTIFIED WEEB FREE TOPSOIL SHALL BE UNIFORM APPLIED AT A RATE OF 1 TON PER 1000 SQ FT. THE TOPSOIL SHALL BE SPREAD TO A DEPTH OF 2 INCHES AND WATERED IN TO THE TOP OF THE TOPSOIL. THE CONTRACTOR SHALL MAINTAIN RECORDS OF THE PROJECT ENGINEER WILL BE REFERRED TO AS THE ENGINEER.
- IF A DRILL SEEDER IS INCAPABLE OF EVEN DOWLING OF SMALL AND LARGE AND HEAVY AND LIGHT SEEDS, THE SEEDS SHALL BE PLACED IN THE SEED BEDS BY HAND OR USING EQUIPMENT THAT IS CAPABLE OF EVEN DOWLING OF SMALL AND LARGE AND HEAVY AND LIGHT SEEDS. THE SEEDS SHALL BE PLACED IN THE SEED BEDS BY HAND OR USING EQUIPMENT THAT IS CAPABLE OF EVEN DOWLING OF SMALL AND LARGE AND HEAVY AND LIGHT SEEDS.

EASTONVILLE ROAD IMPROVEMENT PROJECT  
NATIONWIDE PERMIT 14  
WOTUS RESTORATION PLAN NOTES

FIGURE 7C

DATE: 11/24/24  
SCALE: 1" = 40'

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

NO.	DATE	BY	REVISION DESCRIPTION

EASTONVILLE ROAD IMPROVEMENTS  
DR. HORTON  
EL PASO COUNTY, COLORADO

FROM GRANDVIEW FILING 1 TO REX RD (SEGMENT 2)  
WOTUS IMPACT PLANS I

EDARP FILING NO. CDR2321  
SHEET ENV.1 99



