

MERIDIAN STORAGE, LLC

MERIDIAN STORAGE

**FALCON RANCHETTES FILING NO. 1A, NORTH HALF OF THE SOUTHEAST QUARTER OF SECTION 1
TOWNSHIP 13 SOUTH, RANGE 65 WEST OF THE 6TH P.M., COUNTY OF EL PASO
STATE OF COLORADO, MERIDIAN ROAD & OWL PLACE**

**CONSTRUCTION DRAWINGS
VR239 & SDP2336**



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CONSTRUCTION DRAWINGS
MERIDIAN STORAGE
MERIDIAN STORAGE, LLC
VR239 & SDP2336

STATE OF COLORADO, MERIDIAN ROAD & OWL PLACE
EL PASO COUNTY, FALCON, CO 80931

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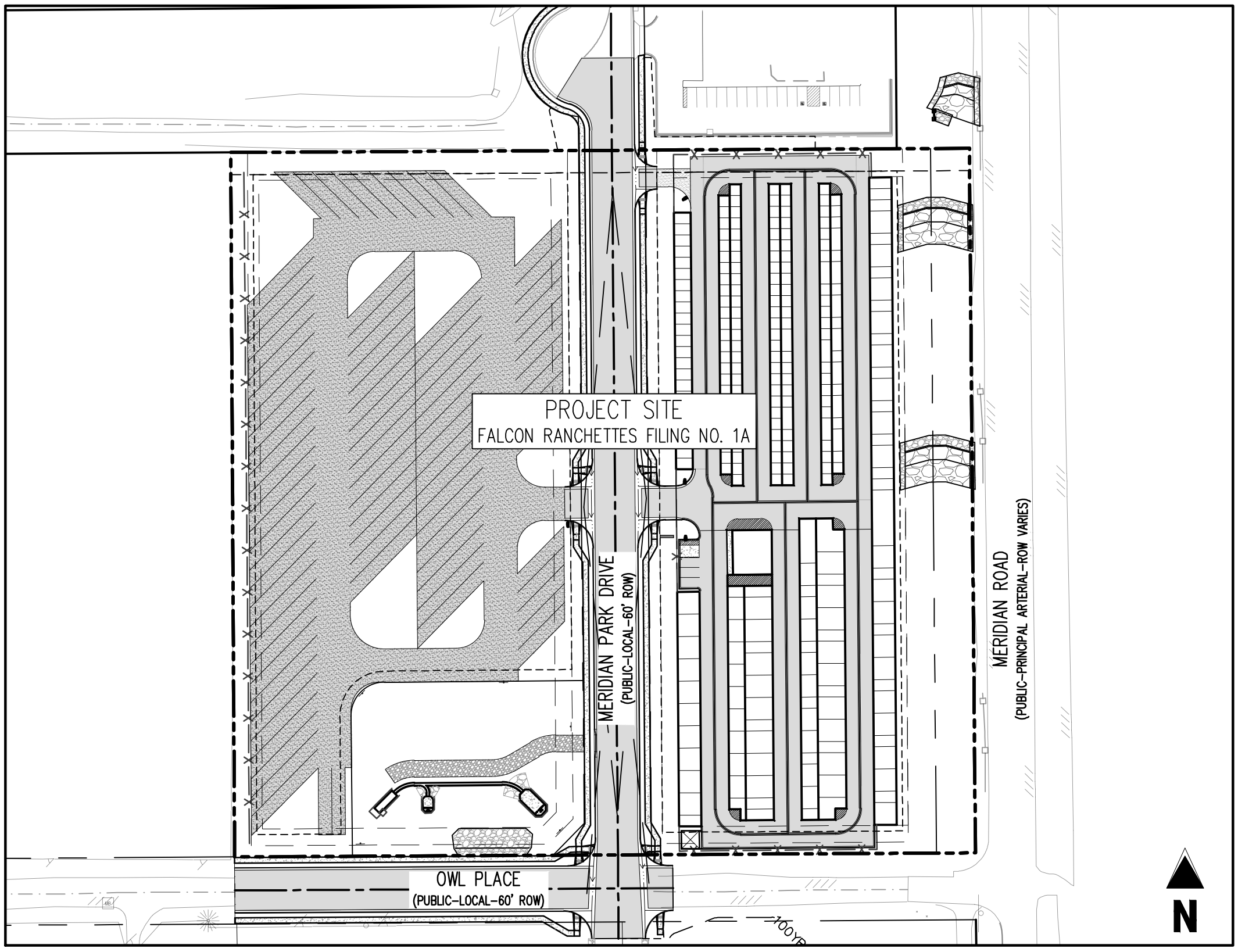
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LIST OF ABBREVIATIONS

SHT - SHEET
A - DEFLECTION ANGLE
L - LENGTH
R - RADIUS
CB - CHORD BEARING
C - CHORD LENGTH
N - NORTH/NORTHING
W - WEST
E - EAST/EASTING
S - SOUTH
DET - DETAIL
EX - EXISTING
W/F - 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



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LEGAL DESCRIPTION

A PARCEL OF LAND IN THE SOUTHEAST QUARTER OF SECTION 1, TOWNSHIP 13 SOUTH, RANGE 65 WEST, OF THE SIXTH PRINCIPAL MERIDIAN, COUNTY OF EL PASO, STATE OF COLORADO, MORE PARTICULARLY DESCRIBED AS FOLLOWS:
LOTS 1 & 2, FALCON RANCHETTES, ACCORDING TO THE PLAT THEREOF RECORDED IN PLAT BOOK V-2, PAGE 15, OF THE RECORDS OF EL PASO COUNTY, COLORADO.
CONTAINING 8.604 ACRES, MORE OR LESS.

BENCHMARK

THE SOUTHWEST CORNER OF LOT 1 WOODMEN HILLS FILING NO. 4, MONUMENTED BY A NO. 4 REBAR WITH A YELLOW PLASTIC CAP STAMPED "PLS 24964" NAVD88 ELEVATION = 6947.67

BASIS OF BEARING

ALL BEARINGS ARE GRID BEARINGS OF THE COLORADO STATE PLANE COORDINATE SYSTEM, CENTRAL ZONE, NORTH AMERICAN DATUM 1983. BEARINGS ARE BASED ON THE SOUTH LINE OF LOTS 2, 3, & 4 OF FALCON RANCHETTES, AND IS CONSIDERED TO BEAR S89°40'45"W, DEFINED BY FOUND MONUMENTS AS FOLLOWS: A NO. 4 REBAR WITH A 1-1/4" YELLOW PLASTIC CAP STAMPED "LS 2372", BEING THE SOUTHWEST CORNER OF LOT 2; AND A NO. 4 REBAR WITH A 1-1/4" YELLOW PLASTIC CAP STAMPED "LS 2372", BEING THE SOUTHWEST CORNER OF LOT 4.

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

NOTE: CONTRACTOR MUST COORDINATE WORK WITH UTILITY COMPANY AND CITY PRIOR TO BEGINNING WORK AND IS RESPONSIBLE FOR ALL MATERIALS, LABOR, REPAIRS, ETC. TO COMPLETE WORK AND RESTORE AREA TO SAME STATE PRIOR TO STARTING WORK.

CONTRACTOR RESPONSIBLE FOR AS-BUILT DRAWINGS, TESTS, REPORTS AND/OR ANY OTHER CERTIFICATES OR INFORMATION AS REQUIRED FOR ACCEPTANCE OF WORK FROM CITY, UTILITY DISTRICTS OR ANY OTHER GOVERNING AGENCY.

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.

CAUTION -- NOTICE TO CONTRACTOR

- ALL UTILITY LOCATIONS SHOWN ARE BASED ON MAPS PROVIDED BY THE APPROPRIATE UTILITY COMPANY AND FIELD SURFACE EVIDENCE AT THE TIME OF SURVEY AND IS TO BE CONSIDERED AN APPROXIMATE LOCATION ONLY. IT IS THE CONTRACTOR'S RESPONSIBILITY TO FIELD VERIFY THE LOCATION OF ALL UTILITIES, PUBLIC OR PRIVATE, WHETHER SHOWN ON THE PLANS OR NOT, PRIOR TO CONSTRUCTION. REPORT ANY DISCREPANCIES TO THE ENGINEER PRIOR TO CONSTRUCTION.
- WHERE A PROPOSED UTILITY CROSSES AN EXISTING UTILITY, IT IS THE CONTRACTOR'S RESPONSIBILITY TO FIELD VERIFY THE HORIZONTAL AND VERTICAL LOCATION OF SUCH EXISTING UTILITY, EITHER THROUGH POT-HOLING OR ALTERNATIVE METHOD. REPORT INFORMATION TO THE ENGINEER PRIOR TO CONSTRUCTION.



EL PASO COUNTY

COUNTY PLAN REVIEW IS PROVIDED ONLY FOR GENERAL CONFORMANCE WITH COUNTY DESIGN CRITERIA. THE COUNTY IS NOT RESPONSIBLE FOR THE ACCURACY AND ADEQUACY OF THE DESIGN, DIMENSIONS, AND/OR ELEVATIONS WHICH SHALL BE CONFIRMED AT THE JOB SITE. THE COUNTY THROUGH THE APPROVAL OF THIS DOCUMENT ASSUMES NO RESPONSIBILITY FOR COMPLETENESS AND/OR ACCURACY OF THIS DOCUMENT. FILED IN ACCORDANCE WITH THE REQUIREMENTS OF THE EL PASO COUNTY LAND DEVELOPMENT CODE, DRAINAGE CRITERIA MANUAL, VOLUMES 1 AND 2, AND ENGINEERING CRITERIA MANUAL AS AMENDED.

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

JOSHUA PALMER, P.E.
COUNTY ENGINEER / EGM ADMINISTRATOR
DATE

OWNER'S STATEMENT

I, THE OWNER/DEVELOPER HAVE READ AND WILL COMPLY WITH ALL OF THE REQUIREMENTS SPECIFIED IN THESE DETAILED PLANS AND SPECIFICATIONS.

MIKE D. TEXER
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 PREPARATION OF THESE DETAILED PLANS AND SPECIFICATIONS.

BRADY A. SHYROCK, COLORADO P.E. NO. 0038164
DATE

#	Date	Issue / Description	Init.

Project No: MRS01
Drawn By: JDM
Checked By: CMWJ
Date: 10/20/2023

COVER SHEET

VR239 & SDP2336

C0.0
Sheet 1 of 25

GENERAL CONSTRUCTION NOTES

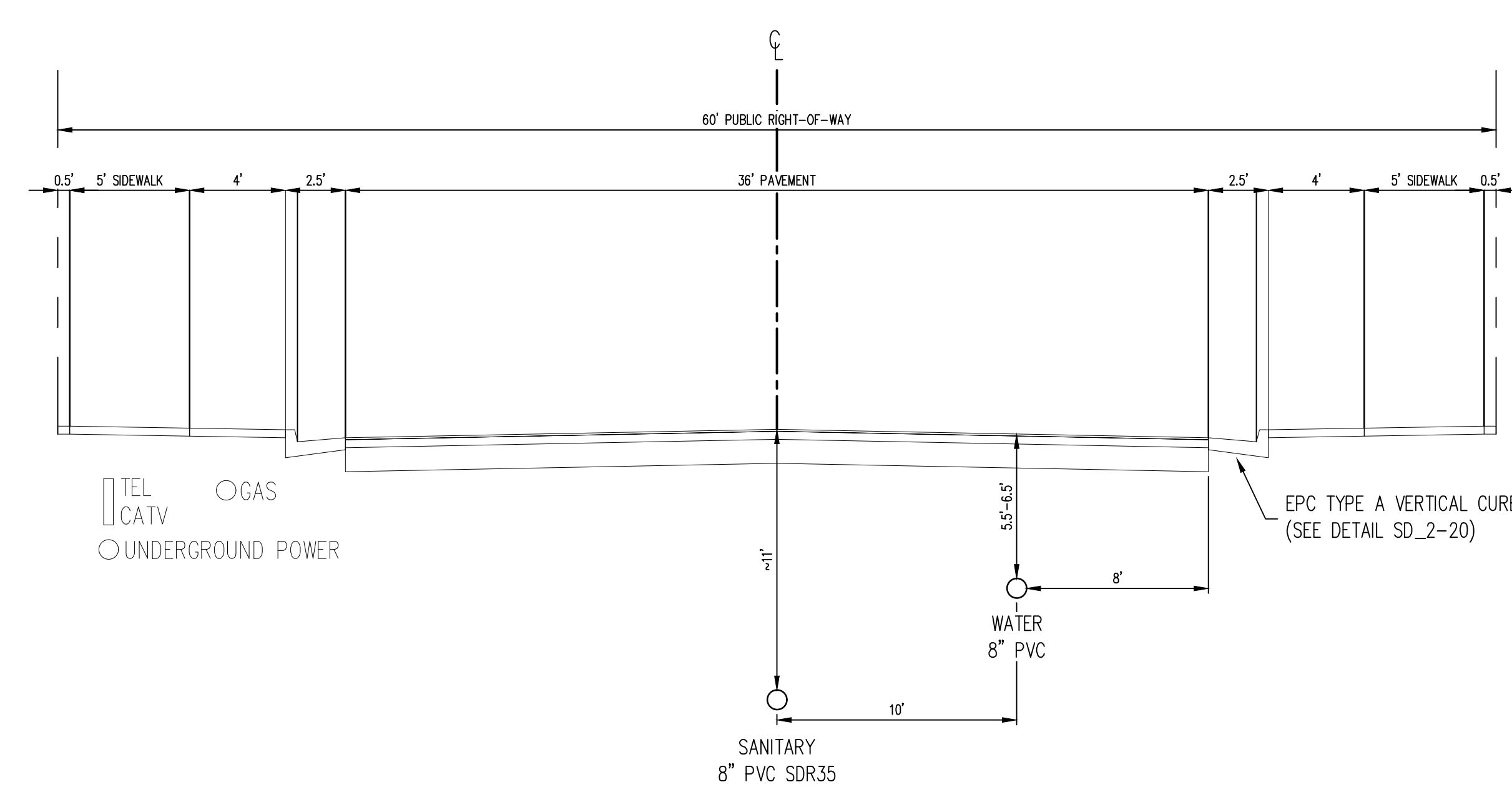
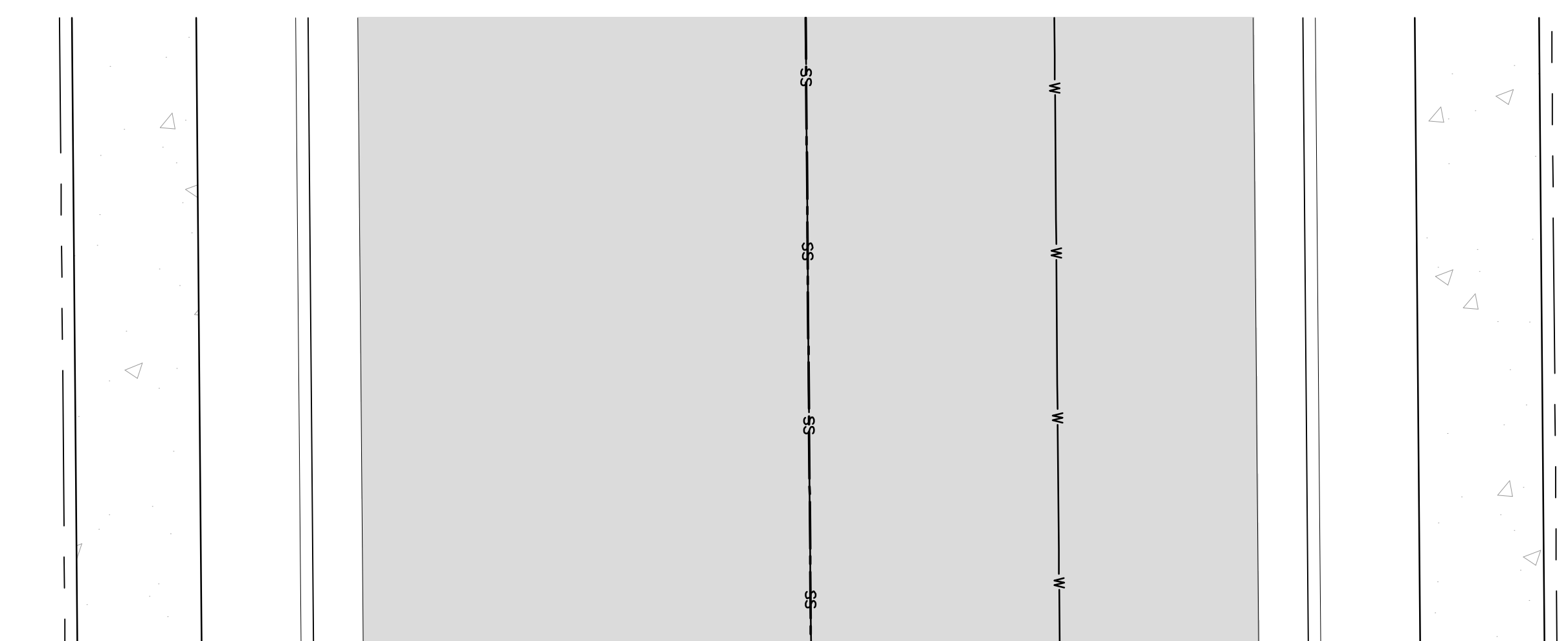
- IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO VERIFY THE EXISTENCE AND LOCATION OF ALL UNDERGROUND UTILITIES ALONG THE ROUTE OF THE WORK. THE OMISSION FROM OR THE INCLUSION OF UTILITY LOCATIONS ON THE PLANS IS NOT TO BE CONSIDERED AS THE NONEXISTENCE OF OR A DEFINITE LOCATION OF EXISTING UNDERGROUND UTILITIES.
- THE CONTRACTOR SHALL TAKE THE NECESSARY PRECAUTIONS TO PROTECT EXISTING UTILITIES FROM DAMAGE DUE TO THIS OPERATION. ANY DAMAGE TO THE UTILITIES WILL BE REPLACED AT THE CONTRACTORS 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 TO THE SOILS ENGINEERS RECOMMENDATIONS, AND APPROVED BY EL PASO COUNTY DEVELOPMENT SERVICES ENGINEERING DIVISION.
- ALL STATIONING IS CENTERLINE UNLESS OTHERWISE INDICATED. ALL ELEVATIONS ARE FLOW LINE UNLESS OTHERWISE INDICATED.
- ALL DISTURBED PAVEMENT EDGES SHALL BE CUT TO NEAT LINES. REPAIR SHALL CONFORM TO THE EPC EGM APPENDIX K - 1.2C.
- ALL INTERSECTION ACCESSSES TO BE CONSTRUCTED WITH A 25 FOOT SIGHT VISIBILITY TRIANGLES AND THERE SHALL BE NO OBSTRUCTIONS GREATER THAN 18" IN THIS AREA.
- ALL CULVERT AND STORM PIPES SHALL BE SMOOTH INTERIOR CORRUGATED POLYETHYLENE PIPE (HOPE), OR 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 OWNERS GEOTECHNICAL ENGINEER TO SUPPORT MINIMUM 50 YEAR DESIGN LIFE. CULVERTS MUST CONFORM TO EPC EGM SECTION 3.32 - CULVERTS.
- ASPHALT THICKNESS AND BASE COURSE THICKNESS (COMPACTED FOR ROADS SHALL BE PER DESIGN REPORT BY OWNERS GEOTECHNICAL ENGINEER. OWNERS GEOTECHNICAL ENGINEER TO BE ON SITE AT 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 DEVELOPMENT SERVICES ENGINEERING DIVISION PRIOR TO CONSTRUCTION.
- TYPE M RIP-RAP WITH 4" OF TYPE II GRANULAR BEDDING AND MIRAFL 180N OR EQUAL MAY BE SUBSTITUTED WHERE TYPE L RIP-RAP WITH MIRAFL FW 700 OR EQUAL IS SPECIFIED.
- ALL MATERIALS AND INSTALLATION PROCEDURES SHALL BE IN COMPLIANCE WITH ANY AND ALL APPLICABLE EL PASO COUNTY STANDARDS AND WITH WOODMAN HILLS METRO DISTRICT CONSULTING ENGINEER APPROVAL.
- ALL POTABLE WATER MAINS SHALL BE ANWIA C900-SDR18 PVC WITH PUSH-ON SINGLE GASKET TYPE JOINTS AND SHALL MEET THE REQUIREMENTS OF ANS / NSF 61.
- ALL WATER MAIN FITTINGS SHALL BE MADE FROM GRAY-IRON OR DUCTILE IRON AND FURNISHED WITH MECHANICAL JOINT ENDS. ALL FITTINGS SHALL HAVE A PRESSURE RATING OF 250 PSI AND SHALL MEET THE REQUIREMENTS OF ANS / NSF 61.
- ALL WATER LINE BENDS, TEES, BLOW-OFFS AND PLUGS AT DEAD-END MAINS SHALL BE PROTECTED FROM THRUST BY USING CONCRETE THRUST BLOCKS AND / OR RODDING AND RESTRAINED PIPE PER THE PAINT BRUSH HILLS METRO DISTRICT CONSULTING ENGINEER APPROVAL.
- MAXIMUM DEFLECTION OF 8" OR 12" PVC WATER MAIN JOINTS IS 4 DEGREES. CORRESPONDING MINIMUM CURVE RADIUS IS 286'. ADDITIONAL 11.25' OR 22.5' BENDS MAY BE REQUIRED FOR PROPER ALIGNMENT.
- CONTRACTOR IS RESPONSIBLE FOR PROVIDING DETAILED AS-BUILTS OF ALL WATER MAIN, STORM SEWER AND SANITARY. SEWER MAIN INSTALLATIONS, INCLUDING ACCURATE DISTANCES OF MAIN LINES, VALVES, FITTINGS, MANHOLES AND LOCATIONS OF WATER AND SEWER SERVICES.
- SANITARY SEWER PIPE AND FITTINGS: PVC 4" - 8" ASTM D3034, TYPE PSM, SDR 35; PUSH-ON JOINTS AND MOLDED RUBBER GASKETS MAXIMUM HORIZONTAL DEFLECTIONS, AFTER INSTALLATION AND BACK FILLING SHALL NOT EXCEED 3% OF THE PIPE DIAMETER. (MINIMUM CURVE RADIUS IS 100' FOR 8" PVC SANITARY SEWER MAIN)

STANDARD NOTES FOR EPC CONSTRUCTION PLAN

- 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:
 - A. EL PASO COUNTY ENGINEERING CRITERIA MANUAL (ECM)
 - B. CITY OF COLORADO SPRINGS/EL PASO COUNTY DRAINAGE CRITERIA MANUAL, VOLUMES 1 AND 2
 - C. COLORADO DEPARTMENT OF TRANSPORTATION (CDOT) STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION
 - D. 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 ON-SITE AND OFF-SITE, 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 PLANNING AND COMMUNITY DEVELOPMENT (PCD) - INSPECTIONS, PRIOR TO STARTING CONSTRUCTION.
- IT IS THE CONTRACTOR'S RESPONSIBILITY TO UNDERSTAND THE REQUIREMENTS OF ALL JURISDICTIONAL AGENCIES AND TO OBTAIN ALL REQUIRED PERMITS, INCLUDING BUT NOT LIMITED TO EL PASO COUNTY EROSION AND STORMWATER QUALITY CONTROL PERMIT (ESQCP), REGIONAL BUILDING FLOODPLAIN DEVELOPMENT PERMIT, U.S. ARMY CORPS OF ENGINEERS-ISSUED 401 AND/OR 404 PERMITS, AND COUNTY AND STATE FUGITIVE DUST PERMITS.
- CONTRACTOR SHALL NOT DEVIATE FROM THE PLANS WITHOUT FIRST OBTAINING WRITTEN APPROVAL FROM THE DESIGN ENGINEER AND PCD. CONTRACTOR SHALL NOTIFY THE DESIGN ENGINEER IMMEDIATELY UPON DISCOVERY OF ANY ERRORS OR INCONSISTENCIES.
- ALL STORM DRAIN PIPE SHALL BE CLASS III RCP UNLESS OTHERWISE NOTED AND APPROVED BY PCD.
- CONTRACTOR SHALL COORDINATE GEOTECHNICAL TESTING PER EGM STANDARDS. PAVEMENT DESIGN SHALL BE APPROVED BY EL PASO COUNTY PCD PRIOR TO PLACEMENT OF CURB AND OUTER 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 DPW AND MUTCO CRITERIA. [IF APPLICABLE, ADDITIONAL SIGNING AND STRIPING NOTES WILL BE PROVIDED.]
- CONTRACTOR SHALL OBTAIN ANY PERMITS REQUIRED BY EL PASO COUNTY DPW, 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.

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 18" BLANK WITH A WHITE BORDER THAT IS NOT RECESSED. THE WIDTH OF THE NON-RECESSED WHITE BORDERS SHALL MATCH PAGE 255 OF THE 2012 MUTCD "STANDARD HIGHWAY SIGNS". 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 5-614-B 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 1/25 MIL THICKNESS PREFORMED THERMOPLASTIC PAVEMENT MARKINGS WITH TAPERED LEADING EDGES PER CDOT STANDARD 5-627-1. WORD AND SYMBOL MARKINGS SHALL BE THE NARROW TYPE. STOP BARS SHALL BE 24" IN WIDTH. CROSSWALKS LINES SHALL BE 12" WIDE AND 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 5-627-1.
- THE CONTRACTOR SHALL NOTIFY EL PASO COUNTY PLANNING AND COMMUNITY DEVELOPMENT (719) 520-6819 PRIOR TO AND UPON COMPLETION OF SIGNING AND STRIPING.
- THE CONTRACTOR SHALL OBTAIN A WORK IN THE RIGHT OF WAY PERMIT FROM THE EL PASO COUNTY DEPARTMENT OF PUBLIC WORKS (DPW) PRIOR TO ANY SIGNAGE OR STRIPING WORK WITHIN AN EXISTING EL PASO COUNTY ROADWAY.



TYPICAL STREET SECTION - URBAN LOCAL ROADWAY
 SCALE: 1"=5'
 (MERIDIAN PARK DRIVE)
 (OWL PLACE)
 DESIGN SPEED LIMIT: 25 MPH
 POSTED SPEED LIMIT: 25 MPH

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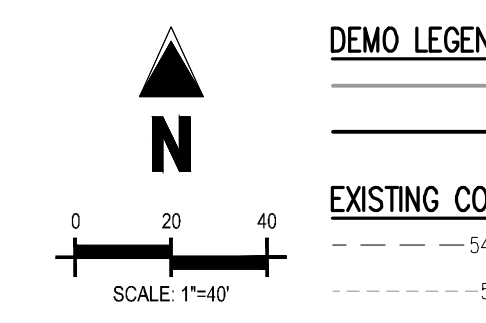
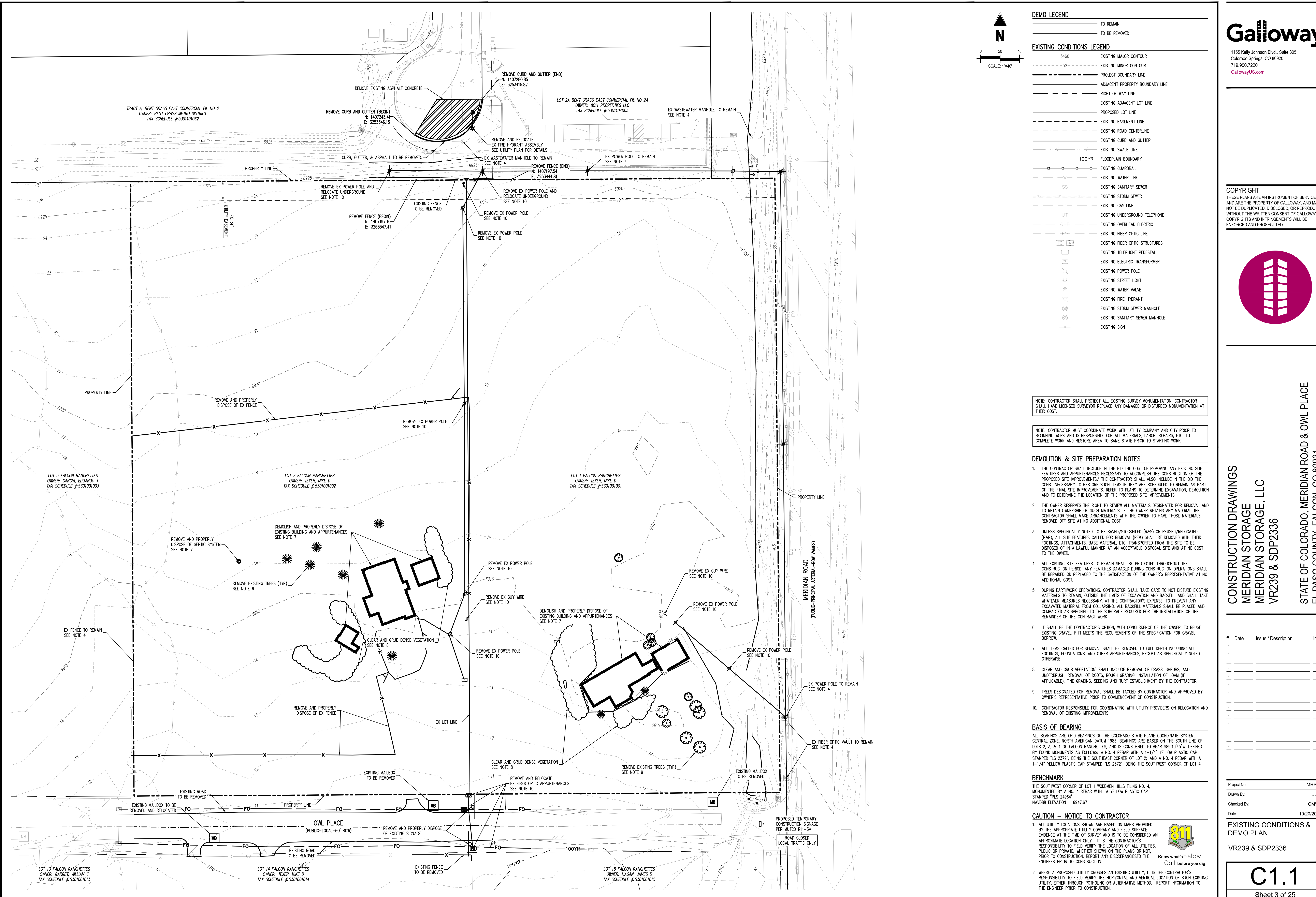


CONSTRUCTION DRAWINGS
 MERIDIAN STORAGE
 MERIDIAN STORAGE, LLC
 VR239 & SDP2336
 STATE OF COLORADO, MERIDIAN ROAD & OWL PLACE
 EL PASO COUNTY, FALCON, CO 80931

#	Date	Issue / Description	Init.

Project No: MRS01
 Drawn By: JDM
 Checked By: CMWJ
 Date: 10/20/2023

NOTES
 VR239 & SDP2336



- DEMO LEGEND**
 - (Solid line) TO REMAIN
 - (Dashed line) TO BE REMOVED
- EXISTING CONDITIONS LEGEND**
 - (Dashed line) 5460 EXISTING MAJOR CONTOUR
 - (Dashed line) 52 EXISTING MINOR CONTOUR
 - (Double line) PROJECT BOUNDARY LINE
 - (Single line) ADJACENT PROPERTY BOUNDARY LINE
 - (Dotted line) RIGHT OF WAY LINE
 - (Dashed line) EXISTING ADJACENT LOT LINE
 - (Dashed line) PROPOSED LOT LINE
 - (Dashed line) EXISTING EASEMENT LINE
 - (Dashed line) EXISTING ROAD CENTERLINE
 - (Dashed line) EXISTING CURB AND GUTTER
 - (Dashed line) EXISTING SWALE LINE
 - (Dashed line) 100YR FLOODPLAIN BOUNDARY
 - (Circle with cross) EXISTING GUARDRAIL
 - (Line with cross) EXISTING WATER LINE
 - (Line with cross) EXISTING SANITARY SEWER
 - (Line with cross) EXISTING STORM SEWER
 - (Circle with cross) EXISTING GAS LINE
 - (Circle with cross) EXISTING UNDERGROUND TELEPHONE
 - (Circle with cross) EXISTING OVERHEAD ELECTRIC
 - (Circle with cross) EXISTING FIBER OPTIC LINE
 - (Circle with cross) EXISTING FIBER OPTIC STRUCTURES
 - (Circle with cross) EXISTING TELEPHONE PEDESTAL
 - (Square with cross) EXISTING ELECTRIC TRANSFORMER
 - (Circle with cross) EXISTING POWER POLE
 - (Circle with cross) EXISTING STREET LIGHT
 - (Circle with cross) EXISTING WATER VALVE
 - (Circle with cross) EXISTING FIRE HYDRANT
 - (Circle with cross) EXISTING STORM SEWER MANHOLE
 - (Circle with cross) EXISTING SANITARY SEWER MANHOLE
 - (Circle with cross) EXISTING SIGN

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

NOTE: CONTRACTOR MUST COORDINATE WORK WITH UTILITY COMPANY AND CITY PRIOR TO BEGINNING WORK AND IS RESPONSIBLE FOR ALL MATERIALS, LABOR, REPAIRS, ETC. TO COMPLETE WORK AND RESTORE AREA TO SAME STATE PRIOR TO STARTING WORK.

- ### DEMOLITION & SITE PREPARATION NOTES
- THE CONTRACTOR SHALL INCLUDE IN THE BID THE COST OF REMOVING ANY EXISTING SITE FEATURES AND APPURTENANCES NECESSARY TO ACCOMPLISH THE CONSTRUCTION OF THE PROPOSED SITE IMPROVEMENTS/ THE CONTRACTOR SHALL ALSO INCLUDE IN THE BID THE COST NECESSARY TO RESTORE SUCH ITEMS IF THEY ARE SCHEDULED TO REMAIN AS PART OF THE FINAL SITE IMPROVEMENTS. REFER TO PLANS TO DETERMINE EXCAVATION, DEMOLITION AND TO DETERMINE THE LOCATION OF THE PROPOSED SITE IMPROVEMENTS.
 - THE OWNER RESERVES THE RIGHT TO REVIEW ALL MATERIALS DESIGNATED FOR REMOVAL AND TO RETAIN OWNERSHIP OF SUCH MATERIALS. IF THE OWNER RETAINS ANY MATERIAL, THE CONTRACTOR SHALL MAKE ARRANGEMENTS WITH THE OWNER TO HAVE THOSE MATERIALS REMOVED OFF SITE AT NO ADDITIONAL COST.
 - UNLESS SPECIFICALLY NOTED TO BE SAVED/STOCKPILED (R&S) OR REUSED/RELOCATED (R&R), ALL SITE FEATURES CALLED FOR REMOVAL (REM) SHALL BE REMOVED WITH THEIR FOOTINGS, ATTACHMENTS, BASE MATERIAL, ETC., TRANSPORTED FROM THE SITE TO BE DISPOSED OF IN A LAWFUL MANNER AT AN ACCEPTABLE DISPOSAL SITE AND AT NO COST TO THE OWNER.
 - ALL EXISTING SITE FEATURES TO REMAIN SHALL BE PROTECTED THROUGHOUT THE CONSTRUCTION PERIOD. ANY FEATURES DAMAGED DURING CONSTRUCTION OPERATIONS SHALL BE REPAIRED OR REPLACED TO THE SATISFACTION OF THE OWNER'S REPRESENTATIVE AT NO ADDITIONAL COST.
 - DURING EARTHWORK OPERATIONS, CONTRACTOR SHALL TAKE CARE TO NOT DISTURB EXISTING MATERIALS TO REMAIN, OUTSIDE THE LIMITS OF EXCAVATION AND BACKFILL AND SHALL TAKE WHATEVER MEASURES NECESSARY, AT THE CONTRACTOR'S EXPENSE, TO PREVENT ANY EXCAVATED MATERIAL FROM COLLAPSING. ALL BACKFILL MATERIALS SHALL BE PLACED AND COMPACTED AS SPECIFIED TO THE SUBGRADE REQUIRED FOR THE INSTALLATION OF THE REMAINDER OF THE CONTRACT WORK.
 - IT SHALL BE THE CONTRACTOR'S OPTION, WITH CONCURRENCE OF THE OWNER, TO REUSE EXISTING GRAVEL IF IT MEETS THE REQUIREMENTS OF THE SPECIFICATION FOR GRAVEL BORROW.
 - ALL ITEMS CALLED FOR REMOVAL SHALL BE REMOVED TO FULL DEPTH INCLUDING ALL FOOTINGS, FOUNDATIONS, AND OTHER APPURTENANCES, EXCEPT AS SPECIFICALLY NOTED OTHERWISE.
 - CLEAR AND GRUB VEGETATION SHALL INCLUDE REMOVAL OF GRASS, SHRUBS, AND UNDERBRUSH, REMOVAL OF ROOTS, ROUGH GRADING, INSTALLATION OF LOAM (IF APPLICABLE), FINE GRADING, SEEDING AND TURF ESTABLISHMENT BY THE CONTRACTOR.
 - TREES DESIGNATED FOR REMOVAL SHALL BE TAGGED BY CONTRACTOR AND APPROVED BY OWNER'S REPRESENTATIVE PRIOR TO COMMENCEMENT OF CONSTRUCTION.
 - CONTRACTOR RESPONSIBLE FOR COORDINATING WITH UTILITY PROVIDERS ON RELOCATION AND REMOVAL OF EXISTING IMPROVEMENTS.
- ### BASIS OF BEARING
- ALL BEARINGS ARE GRID BEARINGS OF THE COLORADO STATE PLANE COORDINATE SYSTEM, CENTRAL ZONE, NORTH AMERICAN DATUM 1983. BEARINGS ARE BASED ON THE SOUTH LINE OF LOTS 2, 3, & 4 OF FALCON RANCHETTES, AND IS CONSIDERED TO BEAR 589°40'45" W. DEFINED BY FOUND MONUMENTS AS FOLLOWS: A NO. 4 REBAR WITH A 1-1/4" YELLOW PLASTIC CAP STAMPED "LS 2372", BEING THE SOUTHWEST CORNER OF LOT 2; AND A NO. 4 REBAR WITH A 1-1/4" YELLOW PLASTIC CAP STAMPED "LS 2372", BEING THE SOUTHWEST CORNER OF LOT 4.

- ### BENCHMARK
- THE SOUTHWEST CORNER OF LOT 1 WOODEN HILLS FILING NO. 4, MONUMENTED BY A NO. 4 REBAR WITH A YELLOW PLASTIC CAP STAMPED "PLS 24684" NAVD88 ELEVATION = 6947.67
- ### CAUTION - NOTICE TO CONTRACTOR
- ALL UTILITY LOCATIONS SHOWN ARE BASED ON MAPS PROVIDED BY THE APPROPRIATE UTILITY COMPANY AND FIELD SURFACE EVIDENCE AT THE TIME OF SURVEY AND IS TO BE CONSIDERED AN APPROXIMATE LOCATION ONLY. IT IS THE CONTRACTOR'S RESPONSIBILITY TO FIELD VERIFY THE LOCATION OF ALL UTILITIES, PUBLIC OR PRIVATE, WHETHER SHOWN ON THE PLANS OR NOT, PRIOR TO CONSTRUCTION. REPORT ANY DISCREPANCIES TO THE ENGINEER PRIOR TO CONSTRUCTION.
 - WHERE A PROPOSED UTILITY CROSSES AN EXISTING UTILITY, IT IS THE CONTRACTOR'S RESPONSIBILITY TO FIELD VERIFY THE HORIZONTAL AND VERTICAL LOCATION OF SUCH EXISTING UTILITY, EITHER THROUGH POT-HOLING OR AN ALTERNATIVE METHOD. REPORT INFORMATION TO THE ENGINEER PRIOR TO CONSTRUCTION.



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CONSTRUCTION DRAWINGS
MERIDIAN STORAGE
MERIDIAN STORAGE, LLC
VR239 & SDP2336

STATE OF COLORADO, MERIDIAN ROAD & OWL PLACE
EL PASO COUNTY, FALCON, CO 80931

#	Date	Issue / Description	Init.

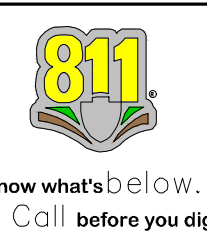
Project No: MRS01
Drawn By: JDM
Checked By: CMWJ
Date: 10/20/2023

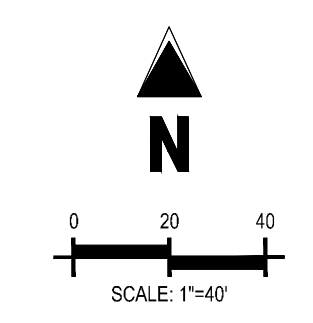
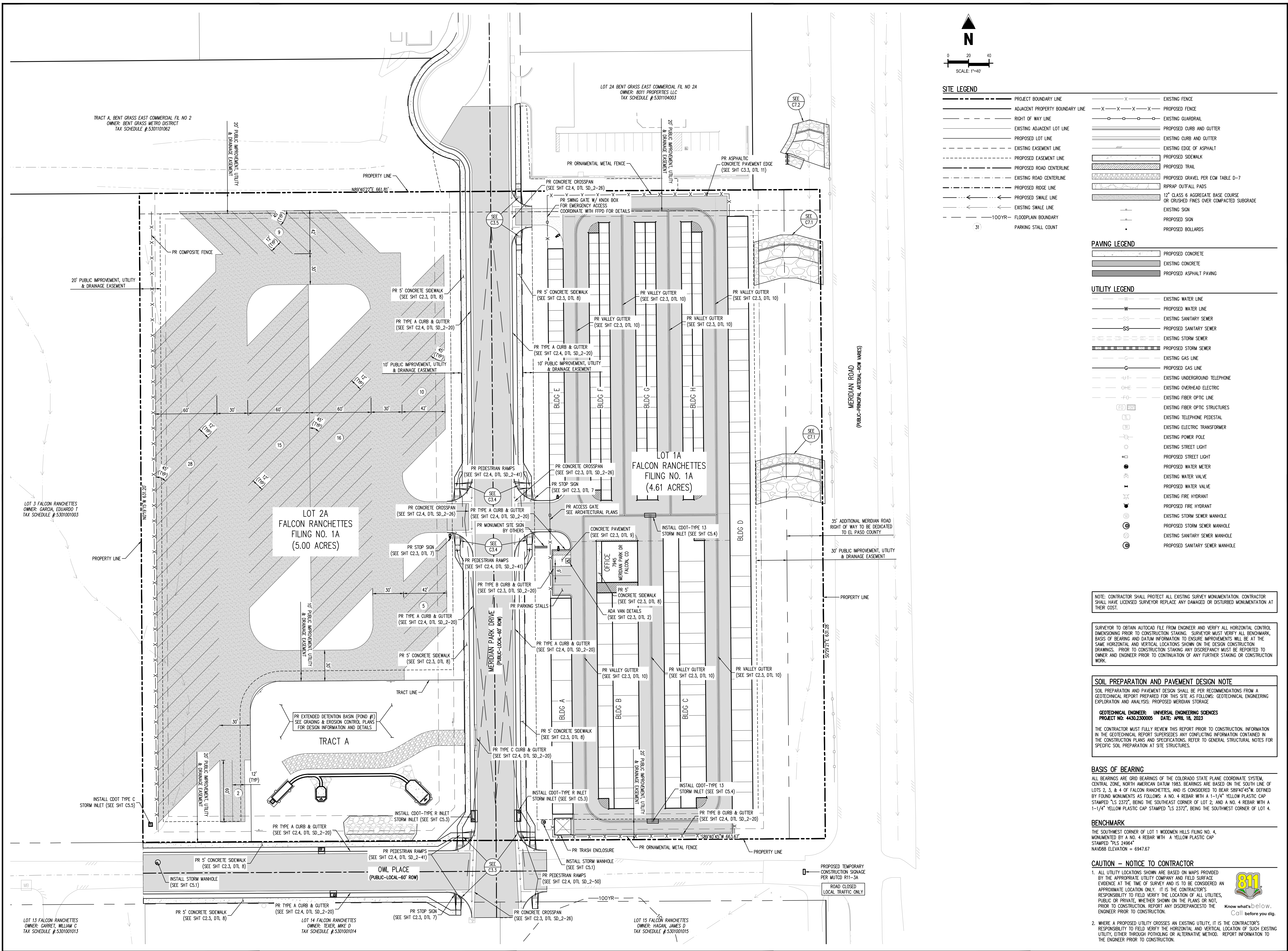
EXISTING CONDITIONS & DEMO PLAN

VR239 & SDP2336

C1.1

Sheet 3 of 25





SITE LEGEND

—●— PROJECT BOUNDARY LINE	—X— EXISTING FENCE
—●— ADJACENT PROPERTY BOUNDARY LINE	—X—X—X—X— PROPOSED FENCE
—●— RIGHT OF WAY LINE	—○— EXISTING GUARDRAIL
—●— EXISTING ADJACENT LOT LINE	—○— PROPOSED CURB AND GUTTER
—●— PROPOSED LOT LINE	—○— EXISTING CURB AND GUTTER
—●— EXISTING EASEMENT LINE	—○— EXISTING EDGE OF ASPHALT
—●— PROPOSED EASEMENT LINE	—○— PROPOSED SIDEWALK
—●— EXISTING ROAD CENTERLINE	—○— PROPOSED TRAIL
—●— PROPOSED RIDGE LINE	—○— PROPOSED GRAVEL PER EDM TABLE D-7
—●— EXISTING SWALE LINE	—○— RIPRAP OUTFALL PADS
—●— PROPOSED SWALE LINE	—○— 12" GLASS & AGGREGATE BASE COURSE OR CRUSHED FINES OVER COMPACTED SUBGRADE
—●— EXISTING SWALE LINE	—○— EXISTING SIGN
—●— 100YR FLOODPLAIN BOUNDARY	—○— PROPOSED SIGN
—●— PARKING STALL COUNT	—○— PROPOSED BOLLARDS

PAVING LEGEND

—○— PROPOSED CONCRETE
—○— EXISTING CONCRETE
—○— PROPOSED ASPHALT PAVING

UTILITY LEGEND

—○— EXISTING WATER LINE
—○— PROPOSED WATER LINE
—○— EXISTING SANITARY SEWER
—○— PROPOSED SANITARY SEWER
—○— EXISTING STORM SEWER
—○— PROPOSED STORM SEWER
—○— EXISTING GAS LINE
—○— PROPOSED GAS LINE
—○— EXISTING UNDERGROUND TELEPHONE
—○— EXISTING OVERHEAD ELECTRIC
—○— EXISTING FIBER OPTIC LINE
—○— EXISTING FIBER OPTIC STRUCTURES
—○— EXISTING TELEPHONE PEDESTAL
—○— EXISTING ELECTRIC TRANSFORMER
—○— EXISTING POWER POLE
—○— EXISTING STREET LIGHT
—○— PROPOSED STREET LIGHT
—○— PROPOSED WATER METER
—○— EXISTING WATER VALVE
—○— PROPOSED WATER VALVE
—○— EXISTING FIRE HYDRANT
—○— PROPOSED FIRE HYDRANT
—○— EXISTING STORM SEWER MANHOLE
—○— PROPOSED STORM SEWER MANHOLE
—○— EXISTING SANITARY SEWER MANHOLE
—○— PROPOSED SANITARY SEWER MANHOLE

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.

SOIL PREPARATION AND PAVEMENT DESIGN NOTE
 SOIL PREPARATION AND PAVEMENT DESIGN SHALL BE PER RECOMMENDATIONS FROM A GEOTECHNICAL REPORT PREPARED FOR THIS SITE AS FOLLOWS: GEOTECHNICAL ENGINEERING EXPLORATION AND ANALYSIS; PROPOSED MERIDIAN STORAGE.
GEOTECHNICAL ENGINEER: UNIVERSAL ENGINEERING SCIENCES
PROJECT NO: 44302300005 DATE: APRIL 18, 2023
 THE CONTRACTOR MUST FULLY REVIEW THIS REPORT PRIOR TO CONSTRUCTION. INFORMATION IN THE GEOTECHNICAL REPORT SUPERSEDES ANY CONFLICTING INFORMATION CONTAINED IN THE CONSTRUCTION PLANS AND SPECIFICATIONS. REFER TO GENERAL STRUCTURAL NOTES FOR SPECIFIC SOIL PREPARATION AT SITE STRUCTURES.

BASIS OF BEARING
 ALL BEARINGS ARE GRID BEARINGS OF THE COLORADO STATE PLANE COORDINATE SYSTEM, CENTRAL ZONE, NORTH AMERICAN DATUM 1983. BEARINGS ARE BASED ON THE SOUTH LINE OF LOTS 2, 3, & 4 OF FALCON RANCHETTES, AND IS CONSIDERED TO BEAR S89°40'45"W, DEFINED BY FOUND MONUMENTS AS FOLLOWS: A NO. 4 REBAR WITH A 1-1/4" YELLOW PLASTIC CAP STAMPED "LS 2372", BEING THE SOUTHWEST CORNER OF LOT 2; AND A NO. 4 REBAR WITH A 1-1/4" YELLOW PLASTIC CAP STAMPED "LS 2372", BEING THE SOUTHWEST CORNER OF LOT 4.

BENCHMARK
 THE SOUTHWEST CORNER OF LOT 1 WOODEN HILLS FLUNG NO. 4, MONUMENTED BY A NO. 4 REBAR WITH A YELLOW PLASTIC CAP STAMPED "PLS 24964" NAVD83 ELEVATION = 6947.67

CAUTION - NOTICE TO CONTRACTOR
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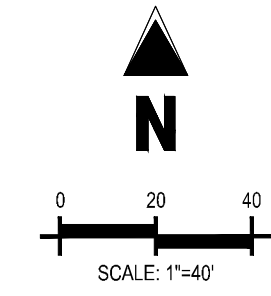
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CONSTRUCTION DRAWINGS
MERIDIAN STORAGE
MERIDIAN STORAGE, LLC
VR239 & SDP2336
 STATE OF COLORADO, MERIDIAN ROAD & OWL PLACE
 EL PASO COUNTY, FALCON, CO 80931

#	Date	Issue / Description	Init.

Project No: MRS01
 Drawn By: JDM
 Checked By: CMWJ
 Date: 10/20/2023



SITE LEGEND

- PROJECT BOUNDARY LINE
- ADJACENT PROPERTY BOUNDARY LINE
- RIGHT OF WAY LINE
- EXISTING ADJACENT LOT LINE
- PROPOSED LOT LINE
- EXISTING EASEMENT LINE
- PROPOSED EASEMENT LINE
- PROPOSED ROAD CENTERLINE
- EXISTING ROAD CENTERLINE
- PROPOSED RIDGE LINE
- PROPOSED SWALE LINE
- EXISTING SWALE LINE
- 100-YR FLOODPLAIN BOUNDARY
- EXISTING FENCE
- PROPOSED FENCE
- EXISTING GUARDRAIL
- PROPOSED CURB AND GUTTER
- EXISTING CURB AND GUTTER
- EXISTING EDGE OF ASPHALT
- PROPOSED SIDEWALK
- PROPOSED TRAIL
- PROPOSED GRAVEL PER ECM TABLE D-7
- RIPRAP OUTFALL PADS
- EXISTING SIGN
- PROPOSED SIGN
- PROPOSED BOLLARDS

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MERIDIAN STORAGE, LLC
VR239 & SDP2336

STATE OF COLORADO, MERIDIAN ROAD & OWL PLACE
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BENCHMARK

THE SOUTHWEST CORNER OF LOT 1 WOODMEN HILLS FILING NO. 4, MONUMENTED BY A NO. 4 REBAR WITH A YELLOW PLASTIC CAP STAMPED "PLS 24964" NAVD88 ELEVATION = 6947.67

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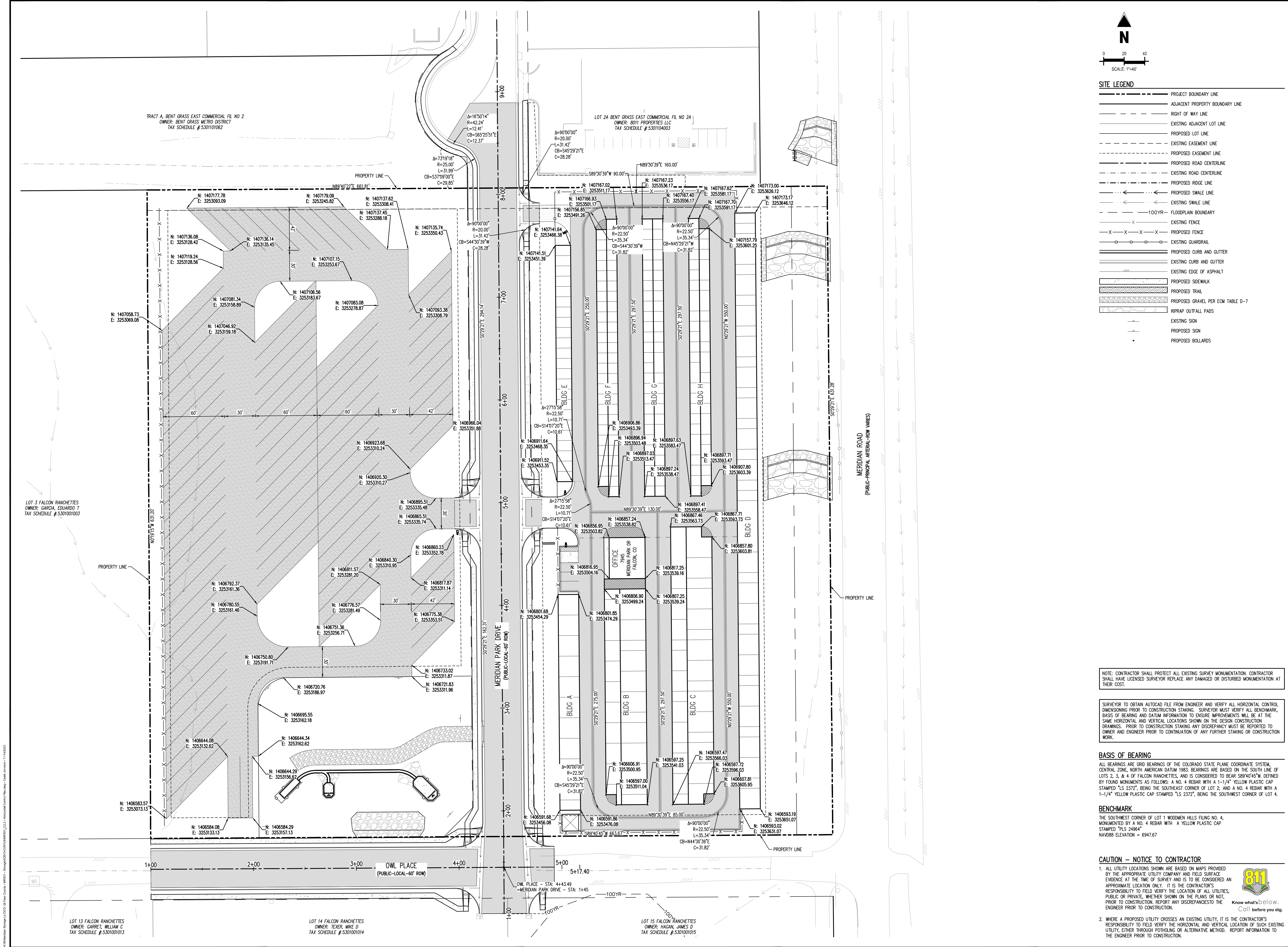
Know what's below.
Call before you dig.

HORIZONTAL CONTROL PLAN

VR239 & SDP2336

C2.2

Sheet 5 of 25



LOT 3 FALCON RANCHETTES
OWNER: GARCIA, EDUARDO T.
TAX SCHEDULE # 530101003

TRACT A, BENT GRASS EAST COMMERCIAL FIL NO 2
OWNER: BENT GRASS METRO DISTRICT
TAX SCHEDULE # 530101062

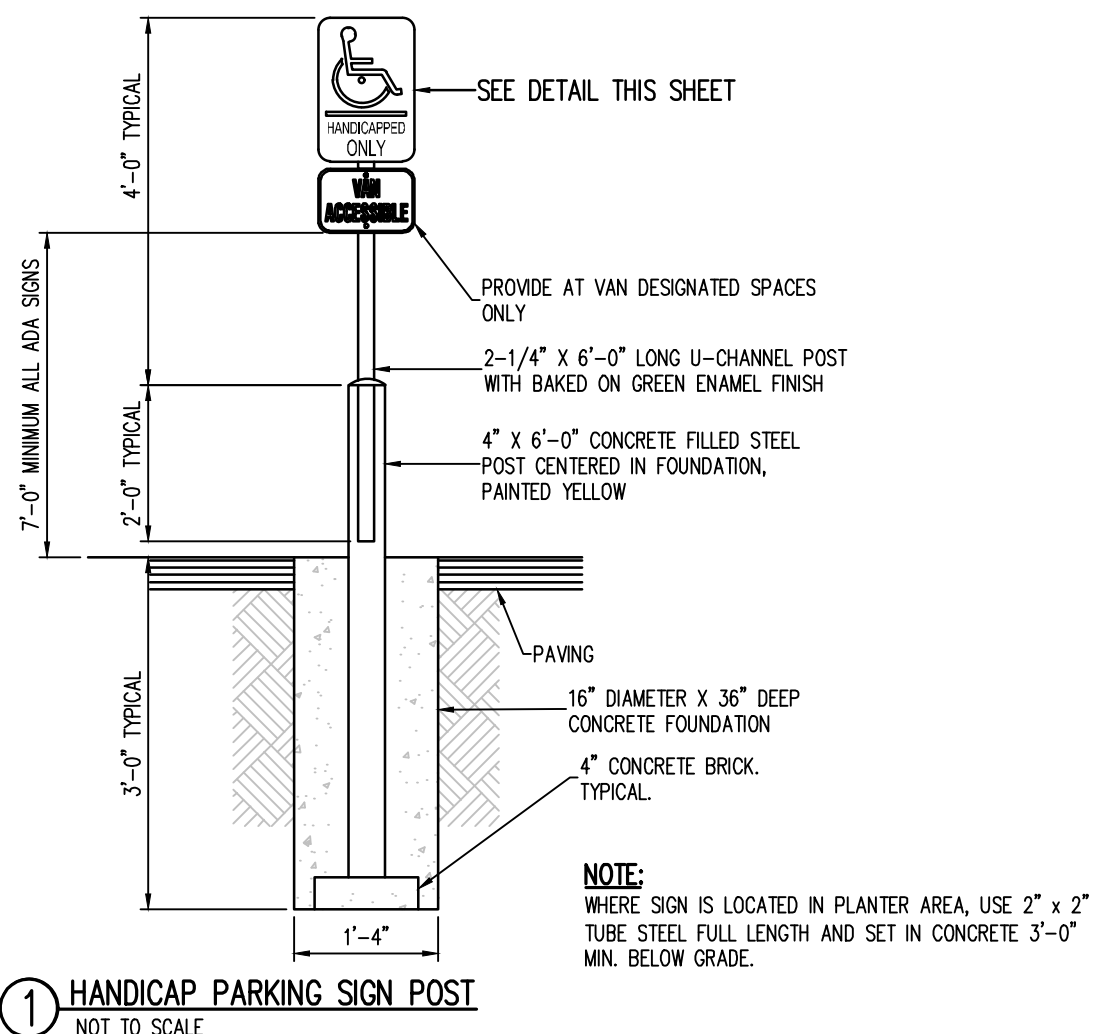
LOT 2A BENT GRASS EAST COMMERCIAL FIL NO 2A
OWNER: B011 PROPERTIES LLC
TAX SCHEDULE # 530104003

LOT 13 FALCON RANCHETTES
OWNER: GARRET, WILLIAM C.
TAX SCHEDULE # 530101013

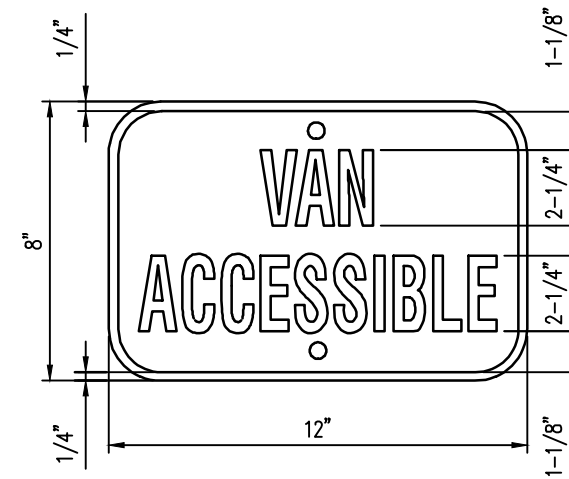
LOT 14 FALCON RANCHETTES
OWNER: TEXER, MIKE D.
TAX SCHEDULE # 530101014

LOT 15 FALCON RANCHETTES
OWNER: HAGAN, JAMES D.
TAX SCHEDULE # 530101015

VR239 & SDP2336.dwg - 11/15/2023 - 10:00:00 AM - C:\Users\jgallaway\OneDrive\Documents\Projects\VR239 & SDP2336\Drawings\C2.2 - Horizontal Control Plan.dwg - C:\Users\jgallaway\AppData\Local\Temp\AutoCAD\AutoCADTemp.dwg

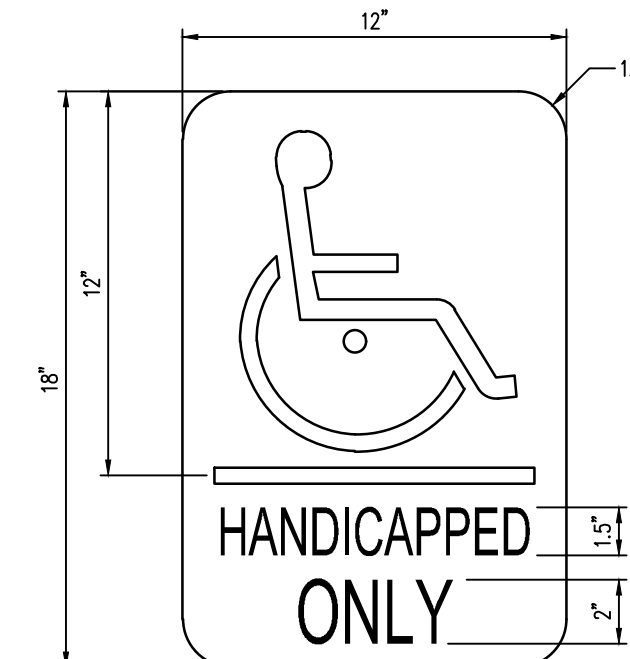


1 HANDICAP PARKING SIGN POST
NOT TO SCALE



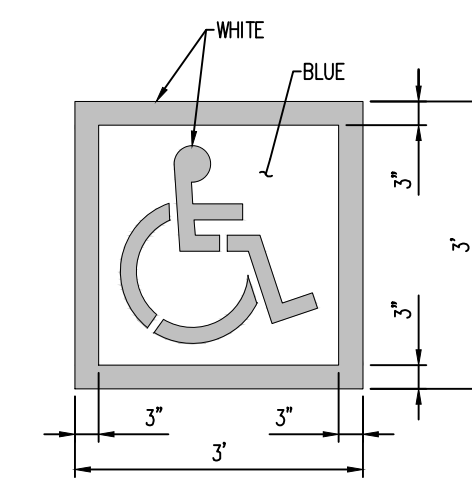
MATERIAL:
1. 0.060 ALUMINUM - BLUE BACKGROUND WITH WHITE COPY AND BORDER, 1-1/2" RADIUS CORNERS, WHITE, 2 MOUNTING HOLES.
2. SIGN USED WITH CORRESPONDING VAN SPACE.

2 "VAN ACCESSIBLE" SIGN
NOT TO SCALE



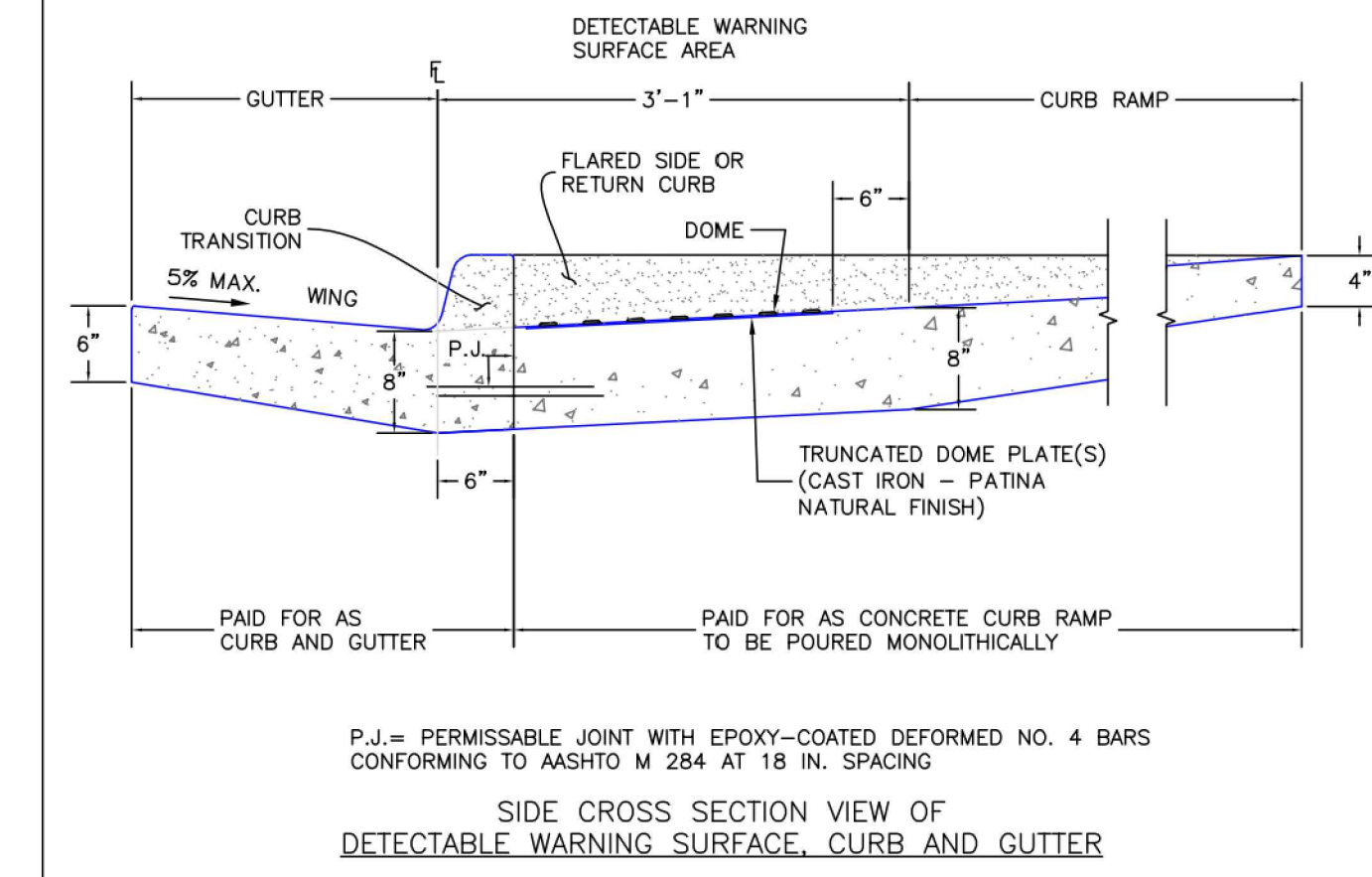
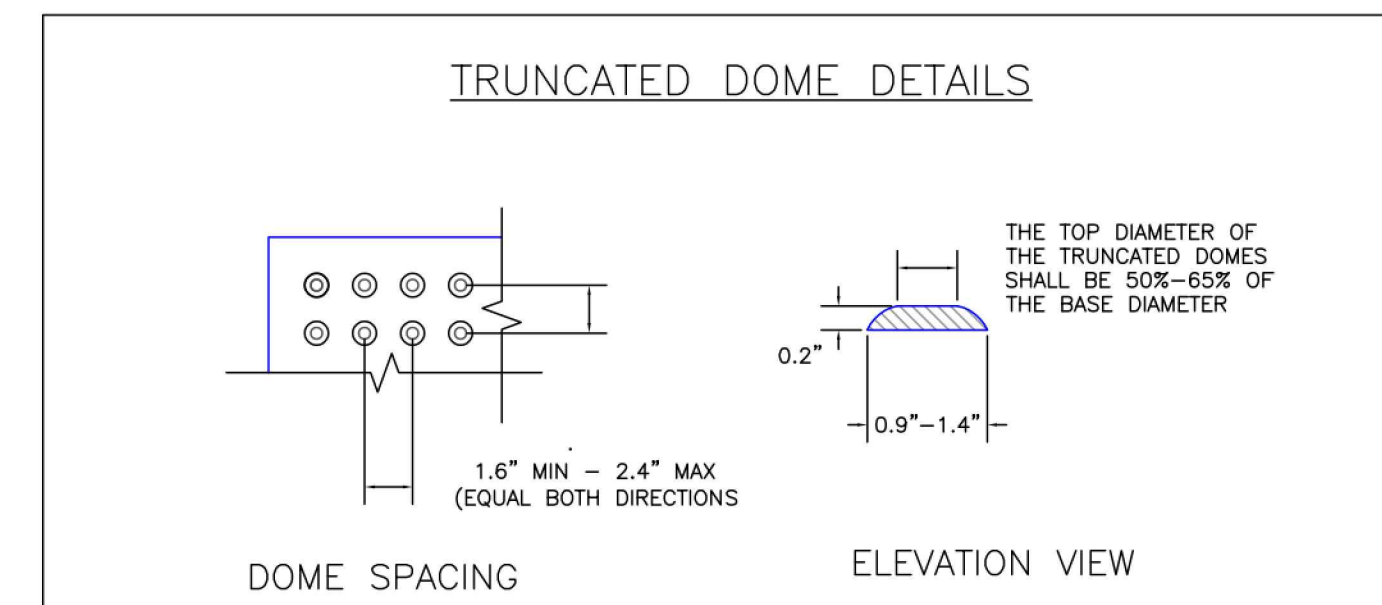
MATERIAL:
0.060 ALUMINUM - WHITE BACKGROUND WITH BLUE COPY AND BORDER - SYMBOL HAS BLUE BACKGROUND, WHITE COPY WITH BLACK BORDER 1-1/2" RADIUS CORNERS WHITE 2 MOUNTING HOLES.

3 HANDICAP PARKING SIGN
NOT TO SCALE



NOTES:
1. PROVIDE TWO COATS OF PAINT
2. BLUE BACKGROUND WITH WHITE SYMBOL

4 PAINTED ADA PARKING SYMBOL
NOT TO SCALE



6/23/20

DATE APPROVED:

Jennifer E. Irvine

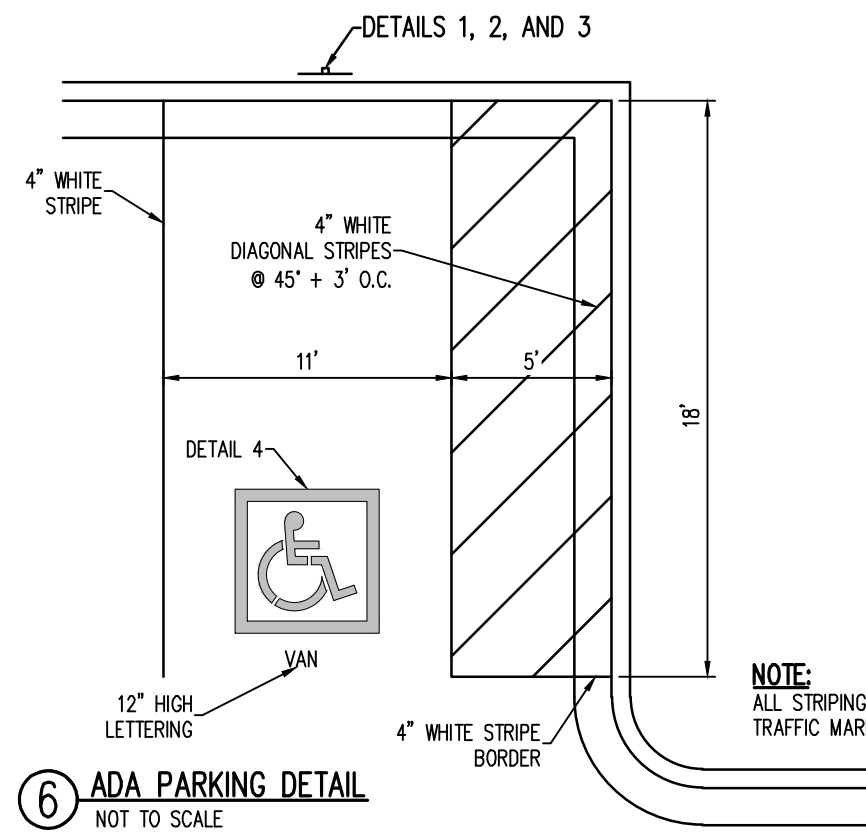
DEPARTMENT OF PUBLIC WORKS

Detectable Warning
Surface Details
Standard Drawing

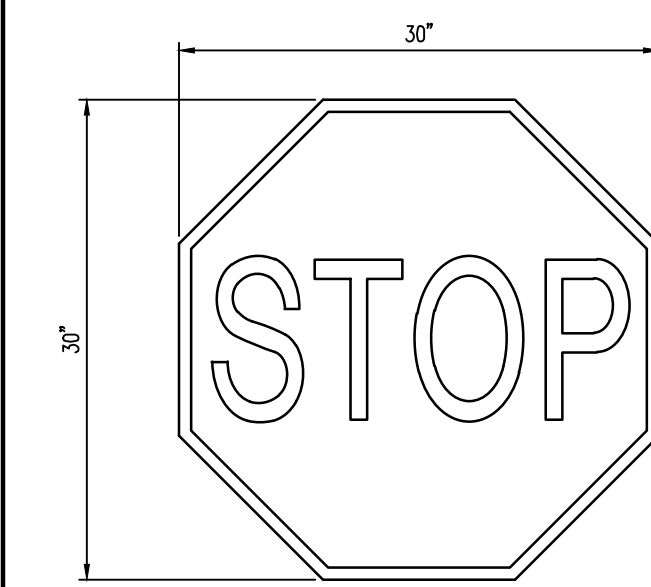
REVISION DATE:
6/23/20

FILE NAME:
SD_2-42

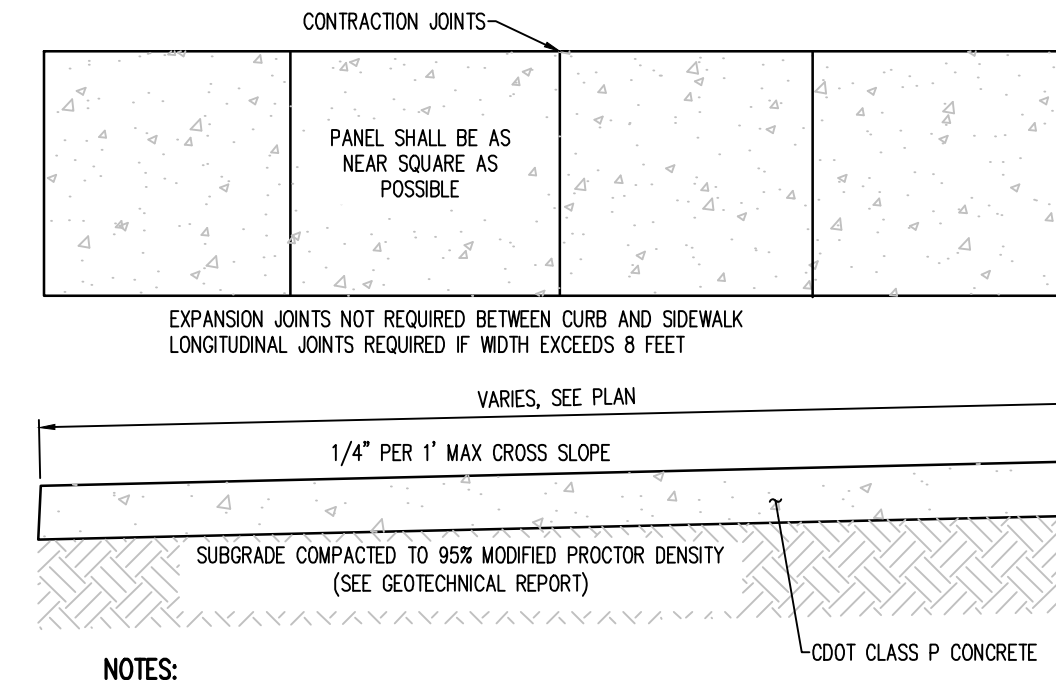
5 TRUNCATED DOMES
NOT TO SCALE



6 ADA PARKING DETAIL
NOT TO SCALE

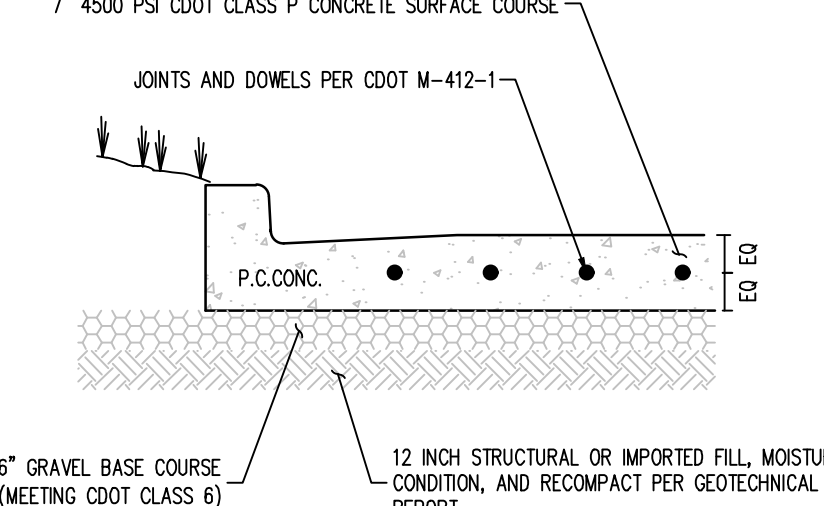


7 MUTCD R1-1 "STOP" SIGN DETAIL
NOT TO SCALE

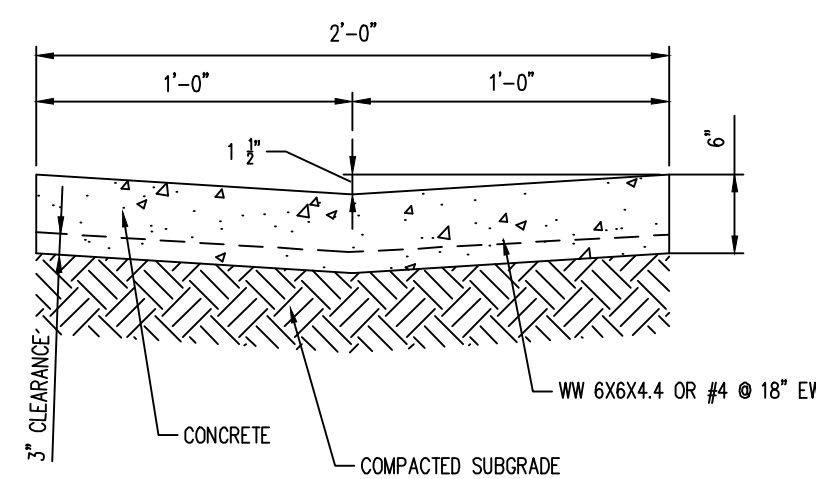


NOTES:
1. CONTRACTION JOINTS SHALL BE SPACED SO AS TO FORM AS NEAR SQUARE PANEL AS POSSIBLE. NO SINGLE PANEL SHALL EXCEED 8' ON ANY SIDE. CONTRACTION JOINTS SHALL BE 3/4" DEEP.
2. EXPANSION JOINTS OF 1/2" MASTIC MATERIAL SHALL BE PLACED AT P.C.'S AND P.T.'S OF CURVES, AT GRADE BREAKS, AT DRIVEWAYS, AND AT OTHER LOCATIONS AS SPECIFIED BY THE ENGINEER.
3. CONSTRUCTION MATERIALS AND PROCEDURES SHALL CONFORM TO EXISTING COUNTY AND STATE STANDARD SPECIFICATIONS.

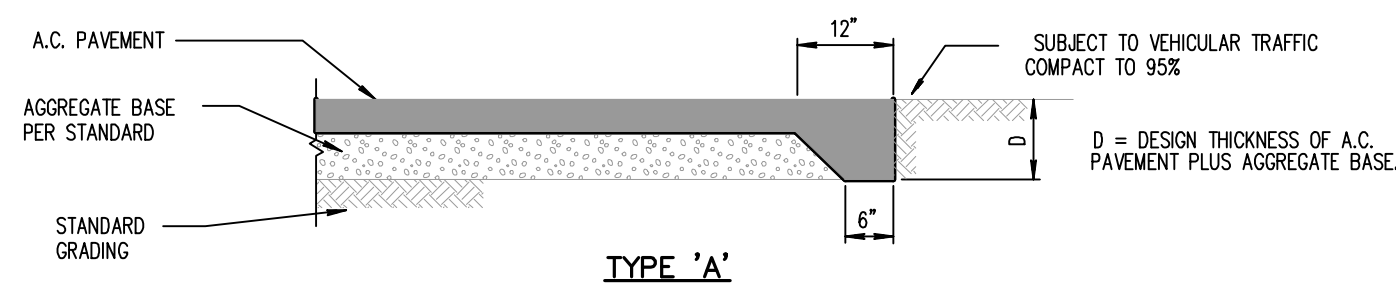
8 CONCRETE SIDEWALK
NOT TO SCALE



9 CONCRETE PAVEMENT SECTION
NOT TO SCALE



10 CONCRETE VALLEY GUTTER
NOT TO SCALE



11 ASPHALT EDGE DETAIL
NOT TO SCALE



#	Date	Issue / Description	Init.

Project No:	MRS01
Drawn By:	JDM
Checked By:	CMWJ
Date:	10/20/2023

SITE DETAILS

VR239 & SDP2336

C2.3

Sheet 6 of 25

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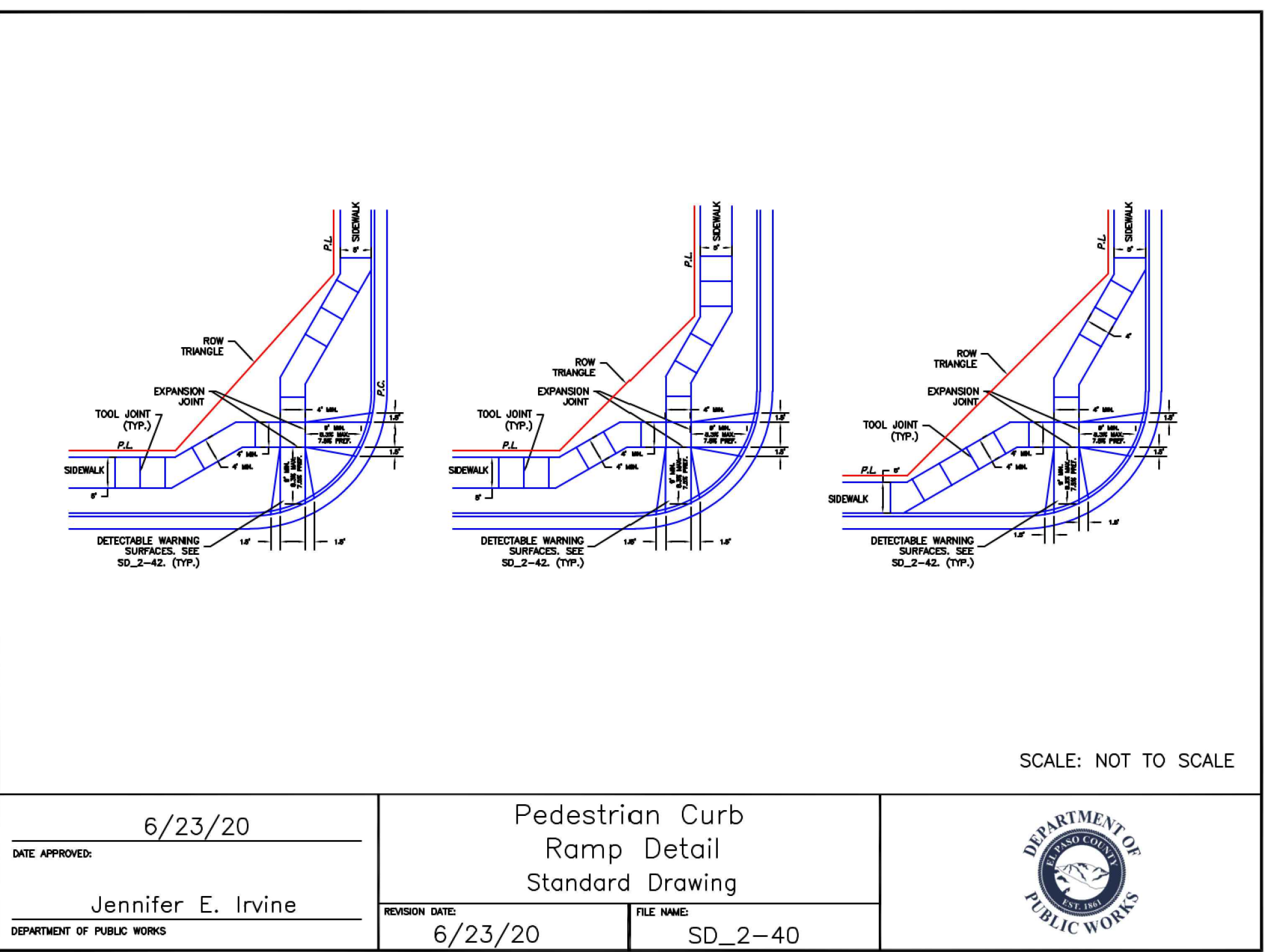
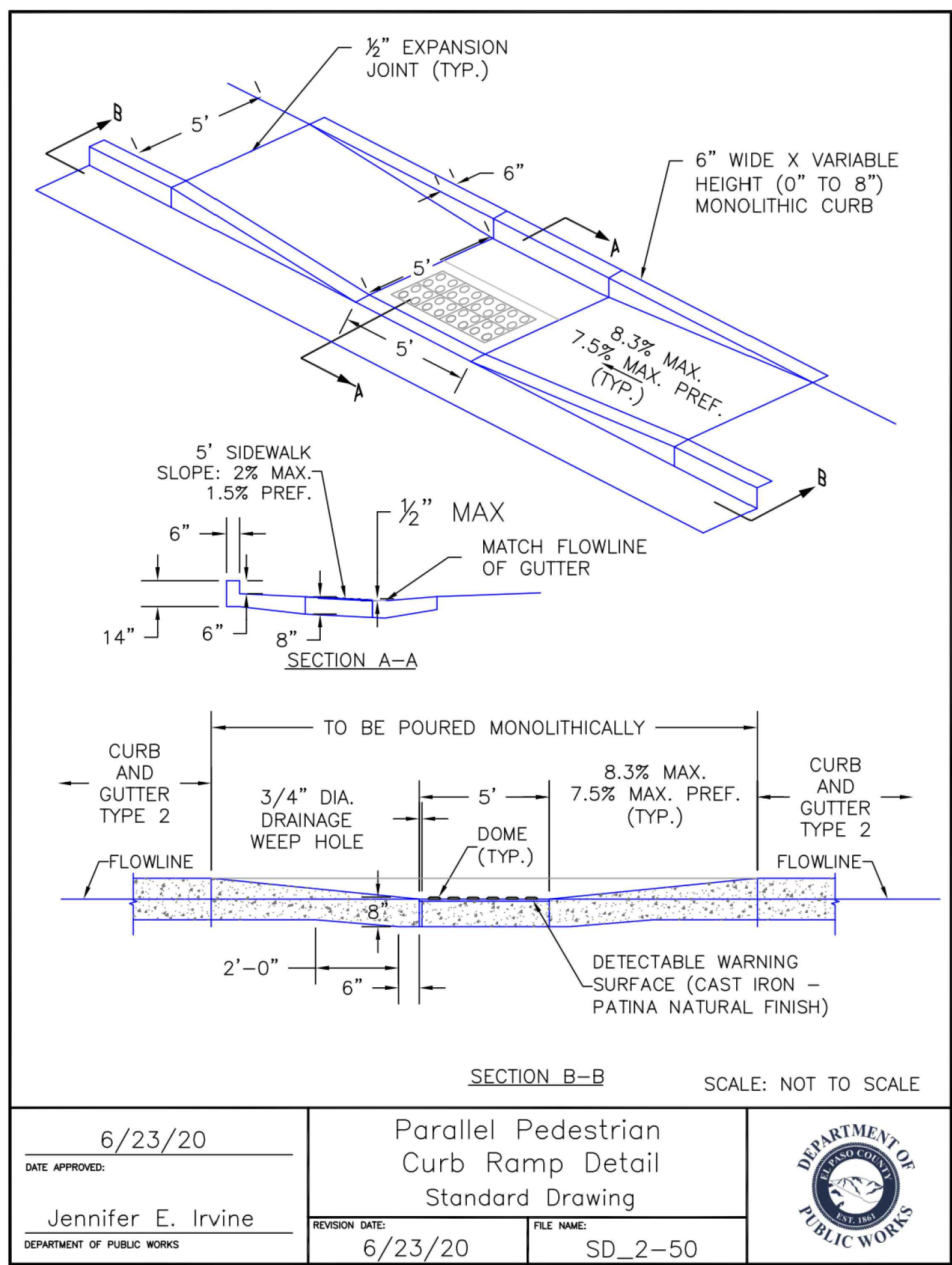
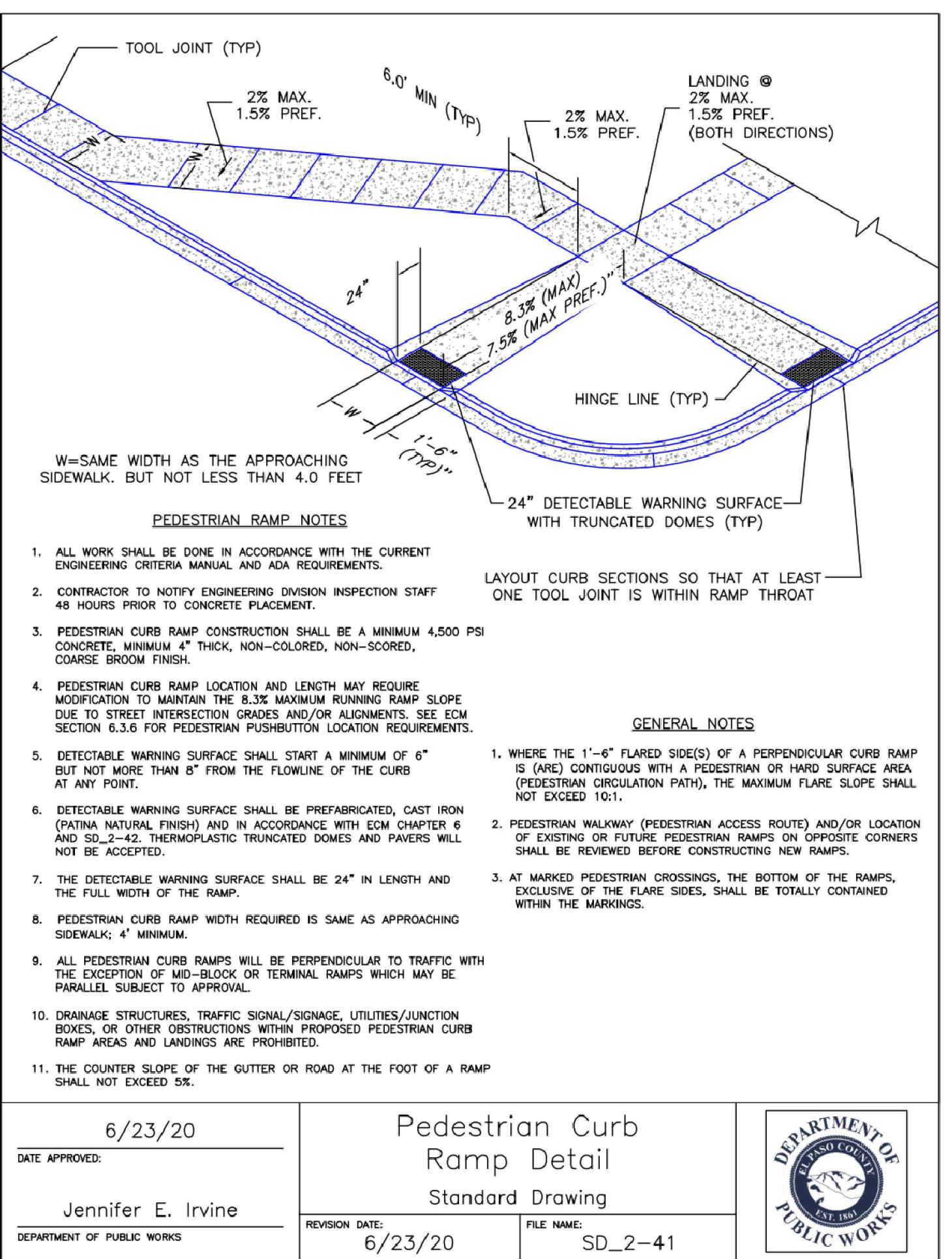
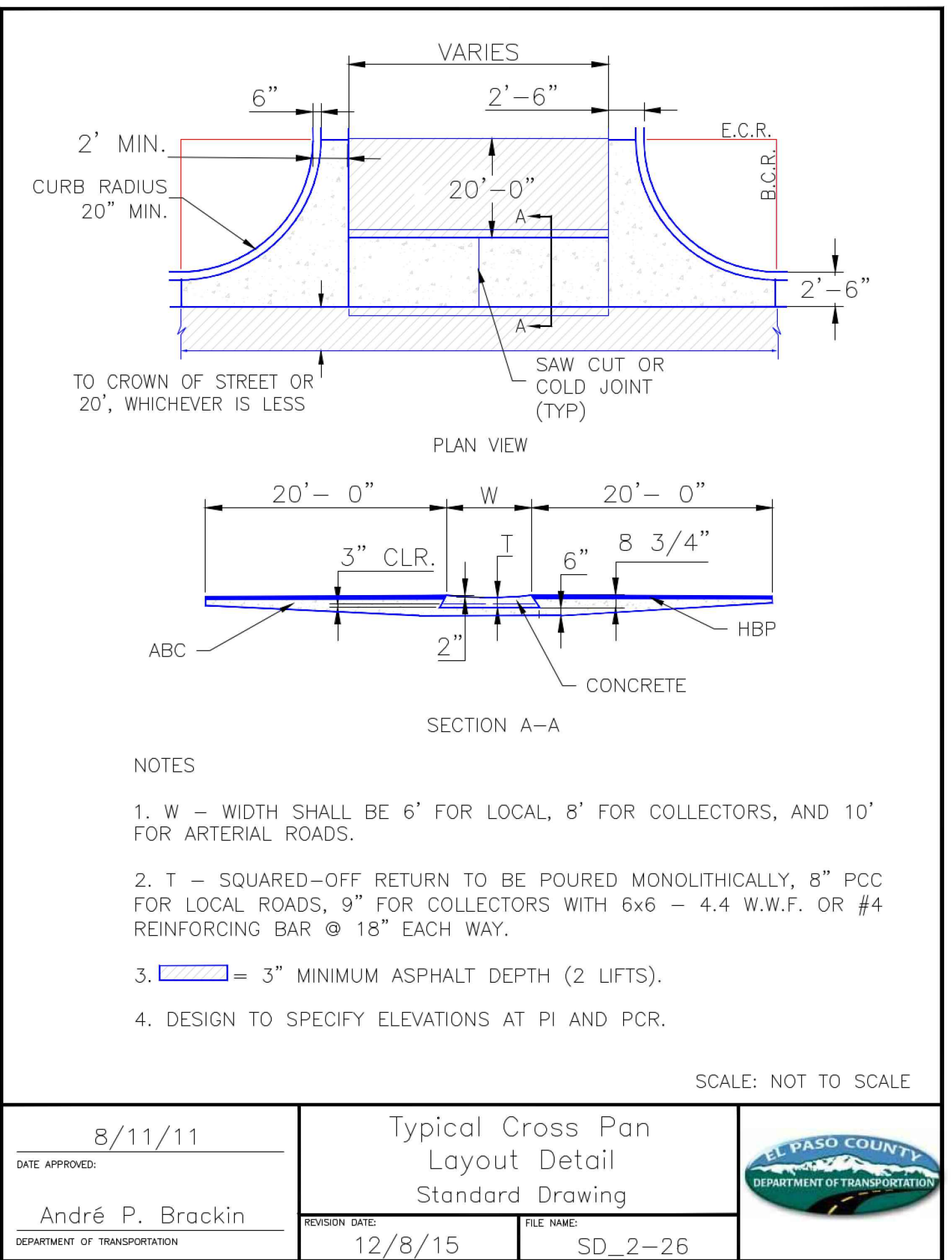
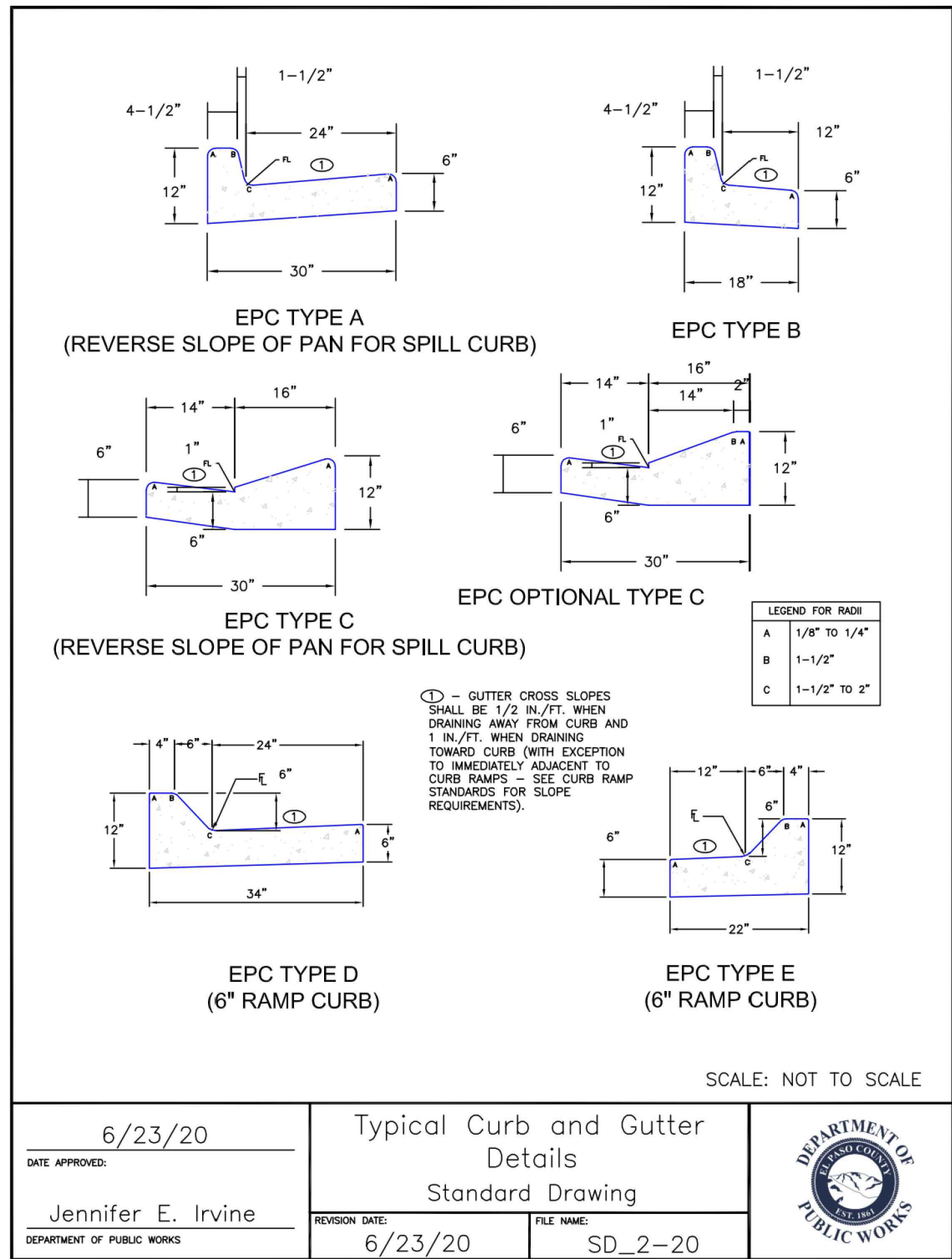


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SITE DETAILS

VR239 & SDP2336



I:\Projects\2023\VR239 & SDP2336\Drawings\C2.4 - Site Details - Curb Ramp - R123023.dwg

SITE LEGEND

- PROJECT BOUNDARY LINE
ADJACENT PROPERTY BOUNDARY LINE
RIGHT OF WAY LINE
EXISTING ADJACENT LOT LINE
PROPOSED LOT LINE
EXISTING EASEMENT LINE
PROPOSED EASEMENT LINE
PROPOSED ROAD CENTERLINE
EXISTING ROAD CENTERLINE
PROPOSED RIDGE LINE
EXISTING RIDGE LINE
PROPOSED SWALE LINE
EXISTING SWALE LINE
100'YR FLOODPLAIN BOUNDARY
EXISTING FENCE
PROPOSED FENCE
EXISTING GUARDRAIL
PROPOSED CURB AND GUTTER
EXISTING CURB AND GUTTER
EXISTING EDGE OF ASPHALT
PROPOSED SIDEWALK
PROPOSED TRAIL
PROPOSED GRAVEL PER ECM TABLE D-7
RIPRAP OUTFALL PADS
EXISTING SIGN
PROPOSED SIGN
PROPOSED BOLLARDS

UTILITY LEGEND

- EXISTING WATER LINE
PROPOSED WATER LINE
EXISTING SANITARY SEWER
PROPOSED SANITARY SEWER
EXISTING STORM SEWER
PROPOSED STORM SEWER
EXISTING GAS LINE
PROPOSED GAS LINE
EXISTING UNDERGROUND TELEPHONE
EXISTING OVERHEAD ELECTRIC
EXISTING FIBER OPTIC LINE
EXISTING FIBER OPTIC STRUCTURES
EXISTING TELEPHONE PEDESTAL
EXISTING ELECTRIC TRANSFORMER
EXISTING POWER POLE
EXISTING STREET LIGHT
PROPOSED STREET LIGHT
EXISTING WATER METER
PROPOSED WATER METER
EXISTING WATER VALVE
PROPOSED WATER VALVE
EXISTING FIRE HYDRANT
PROPOSED FIRE HYDRANT
EXISTING STORM SEWER MANHOLE
PROPOSED STORM SEWER MANHOLE
EXISTING SANITARY SEWER MANHOLE
PROPOSED SANITARY SEWER MANHOLE

NOTES

- PEDESTRIAN RAMP, SEE DETAILS (EPC SD_2-40 & SD_2-41)
PROPOSED 6' CONCRETE CROSS PAN, SEE DETAIL (EPC SD_2-26)
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PAVING LEGEND

- PROPOSED CONCRETE
EXISTING CONCRETE
PROPOSED ASPHALT PAVING

BASIS OF BEARING

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BENCHMARK

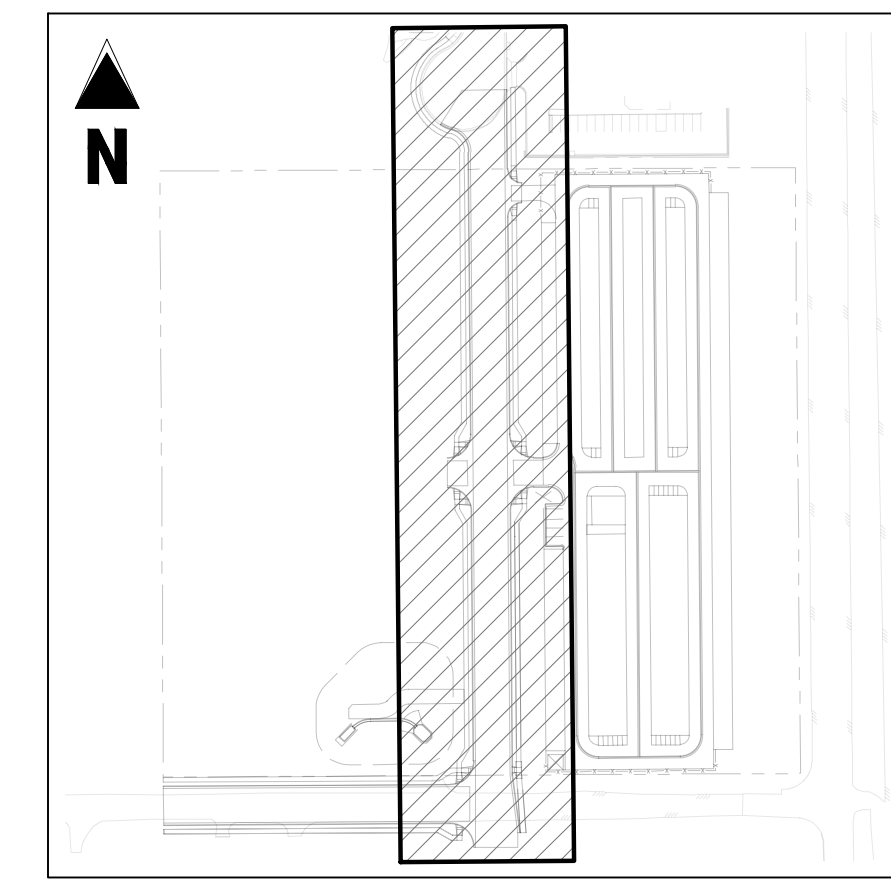
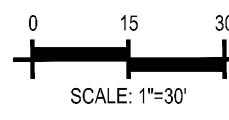
THE SOUTHWEST CORNER OF LOT 1 WOODMEN HILLS FILING NO. 4, MONUMENTED BY A NO. 4 REBAR WITH A YELLOW PLASTIC CAP STAMPED "PLS 24964" NAVD88 ELEVATION = 6947.67

CAUTION - NOTICE TO CONTRACTOR

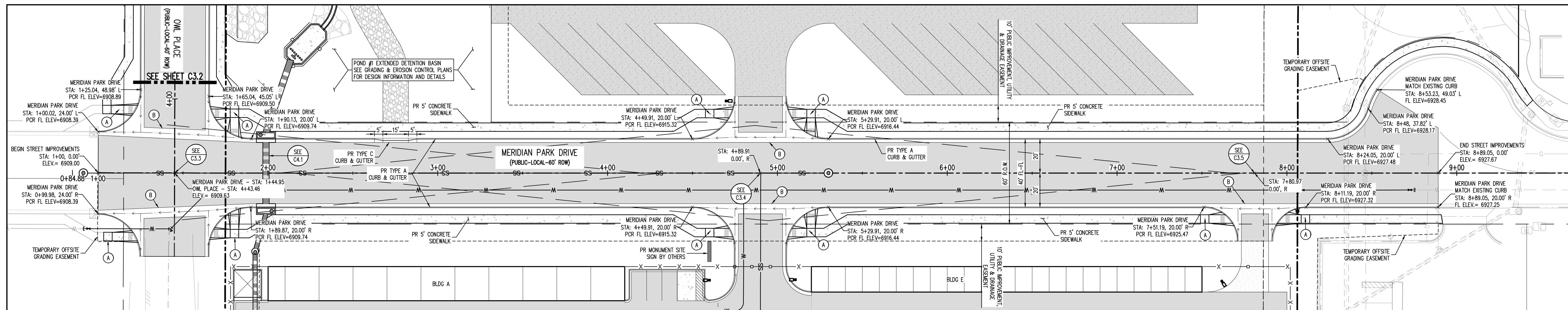
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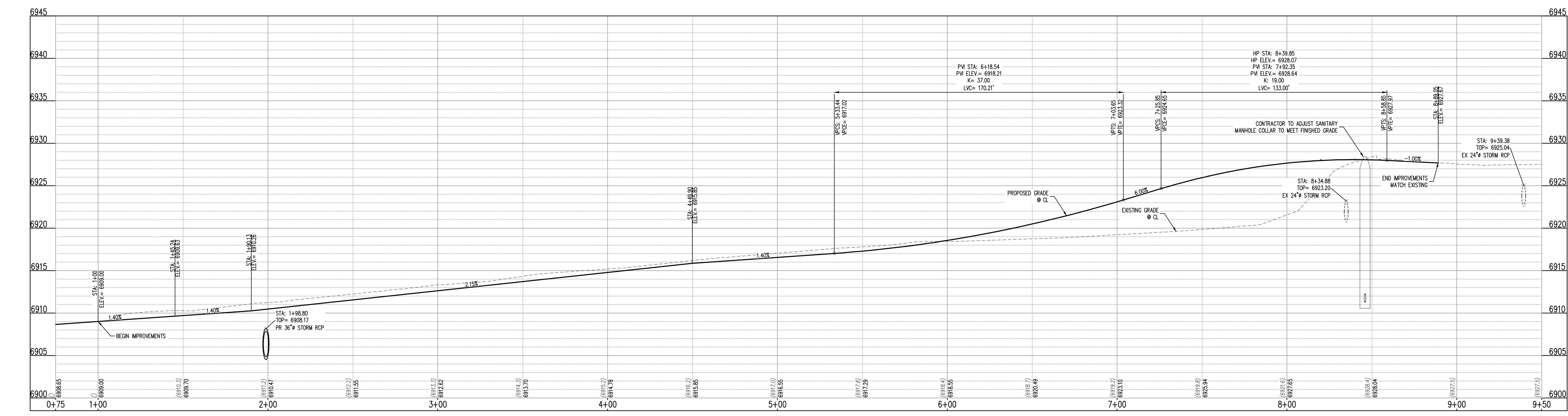
Know what's below. Call before you dig.



KEYMAP SCALE: 1"=200'



MERIDIAN PARK DRIVE - PUBLIC 60' R.O.W. 25 MPH DESIGN SPEED (LOCAL) SCALE: 1"=30'



MERIDIAN DRIVE PARK (STA: 0+75 - 9+50) SCALES: HORIZONTAL 1"=30', VERTICAL 1"=6'

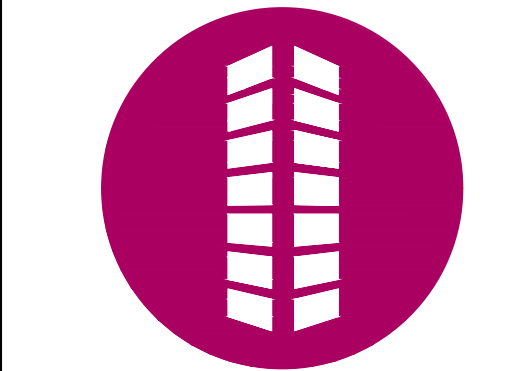


Table with 4 columns: #, Date, Issue / Description, Init. It is currently empty.

Project No: MRS01 Drawn By: JDM Checked By: CMWJ Date: 10/20/2023

MERIDIAN PARK DRIVE

VR239 & SDP2336

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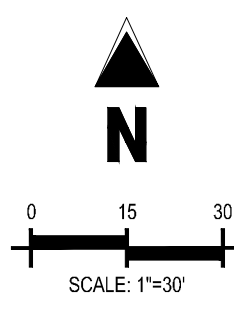
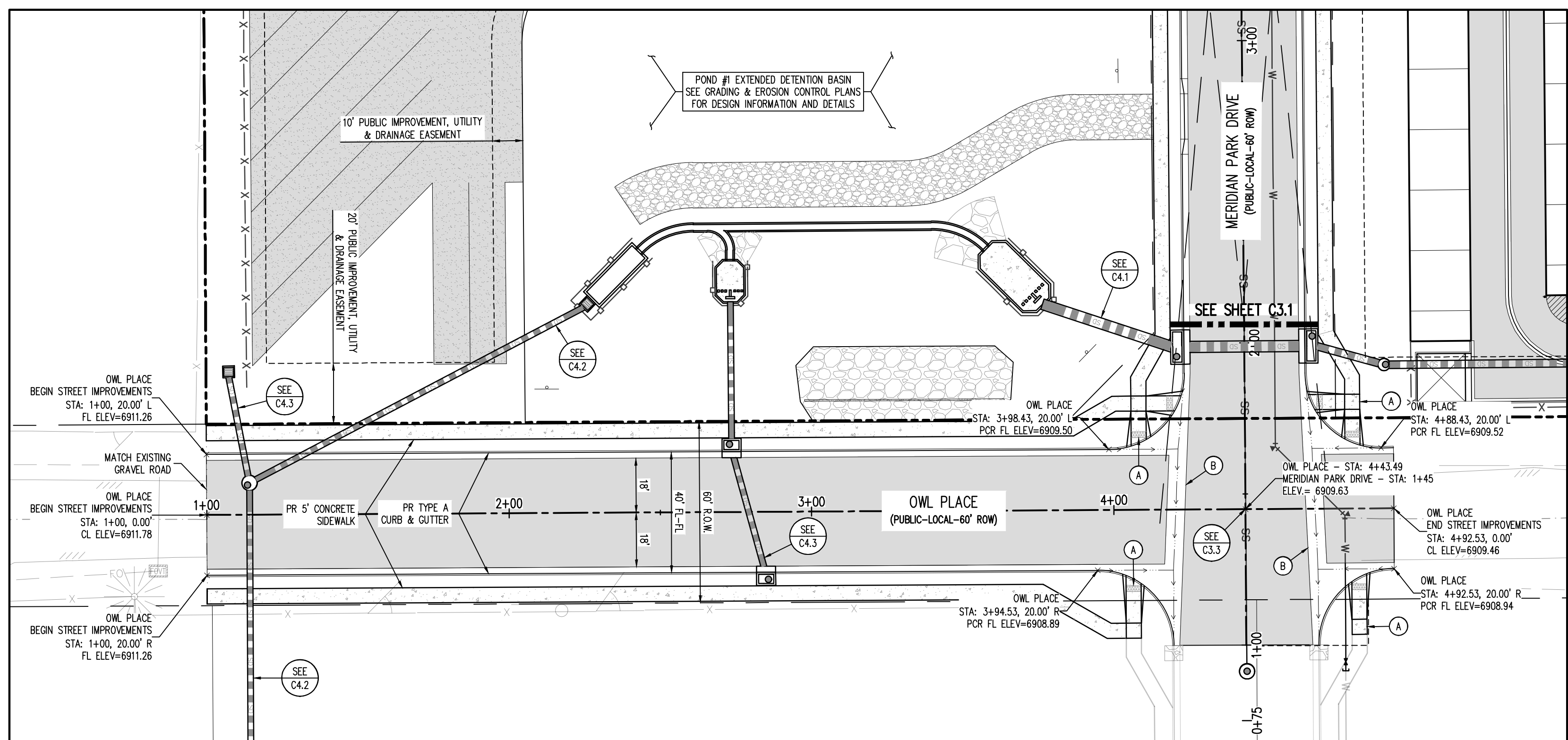
CONSTRUCTION DRAWINGS
MERIDIAN STORAGE
MERIDIAN STORAGE, LLC
VR239 & SDP2336

STATE OF COLORADO, MERIDIAN ROAD & OWL PLACE
EL PASO COUNTY, FALCON, CO 80931

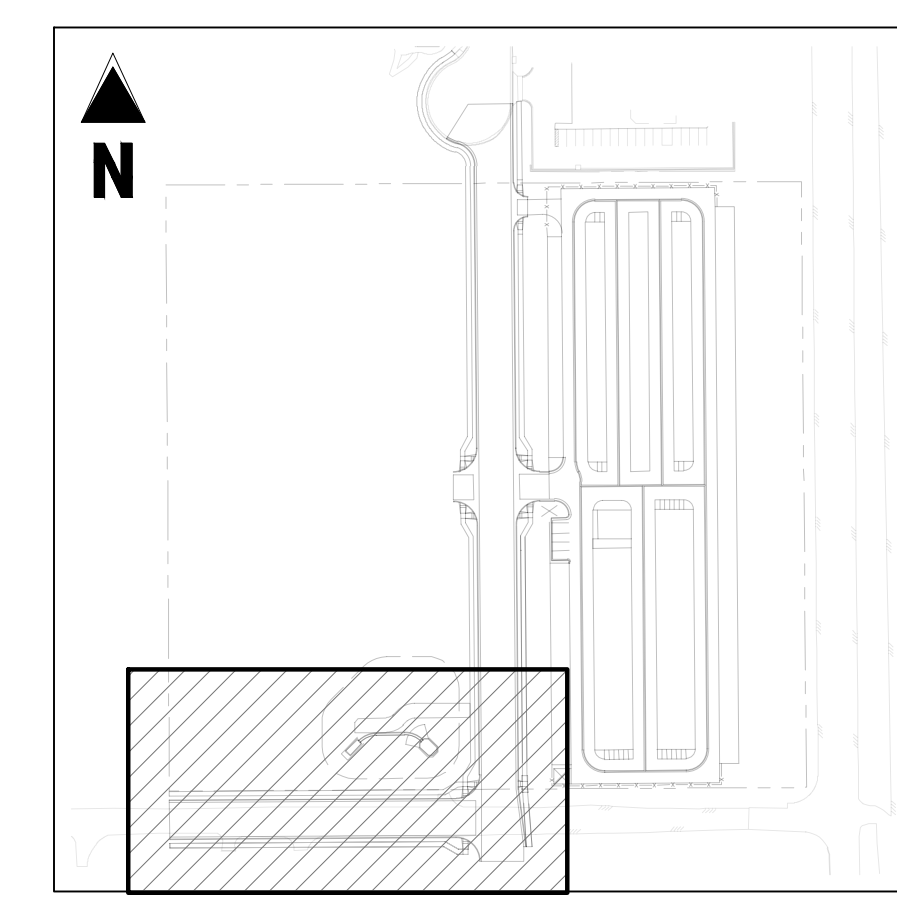
#	Date	Issue / Description	Init.

Project No: MRS01
Drawn By: JDM
Checked By: CMWJ
Date: 10/20/2023

OWL PLACE



OWL PLACE - PUBLIC 60' R.O.W.
25 MPH DESIGN SPEED (LOCAL)
SCALE: 1"=30'



- UTILITY LEGEND**
- - - EXISTING WATER LINE
 - W - PROPOSED WATER LINE
 - - - - - EXISTING SANITARY SEWER
 - SS - PROPOSED SANITARY SEWER
 - - - - - EXISTING STORM SEWER
 - - - - - PROPOSED STORM SEWER
 - - - EXISTING GAS LINE
 - - - PROPOSED GAS LINE
 - - - - - EXISTING UNDERGROUND TELEPHONE
 - UT - EXISTING OVERHEAD TELEPHONE
 - - - - - EXISTING FIBER OPTIC LINE
 - - - - - EXISTING FIBER OPTIC STRUCTURES
 - (T)
 - (P)
 - (E)
 - (T)
 - (P)
 - (E)
 - (T)
 - (P)
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 - (T)
 - (P)
 - (E)
 - (T)
 - (P)
 - (E)
 - (T)
 - (P)
 - (E)

- SITE LEGEND**
- PROJECT BOUNDARY LINE
 - ADJACENT PROPERTY BOUNDARY LINE
 - RIGHT OF WAY LINE
 - EXISTING ADJACENT LOT LINE
 - PROPOSED LOT LINE
 - EXISTING EASEMENT LINE
 - PROPOSED EASEMENT LINE
 - PROPOSED ROAD CENTERLINE
 - EXISTING ROAD CENTERLINE
 - PROPOSED RIDGE LINE
 - PROPOSED SWALE LINE
 - EXISTING SWALE LINE
 - 100YR FLOODPLAIN BOUNDARY
 - EXISTING FENCE
 - PROPOSED FENCE
 - EXISTING GUARDRAIL
 - PROPOSED CURB AND GUTTER
 - EXISTING CURB AND GUTTER
 - EXISTING EDGE OF ASPHALT
 - PROPOSED SIDEWALK
 - PROPOSED TRAIL
 - PROPOSED GRAVEL PER EGM TABLE D-7
 - RIPRAP OUTFALL PADS
 - EXISTING SIGN
 - PROPOSED SIGN
 - PROPOSED BOLLARDS

- PAVING LEGEND**
- PROPOSED CONCRETE
 - EXISTING CONCRETE
 - PROPOSED ASPHALT PAVING

- NOTES**
- (A) PEDESTRIAN RAMP, SEE DETAILS (EPC SD_2-40 & SD_2-41)
 - (B) PROPOSED 6" CONCRETE CROSS PAN, SEE DETAIL (EPC SD_2-26)

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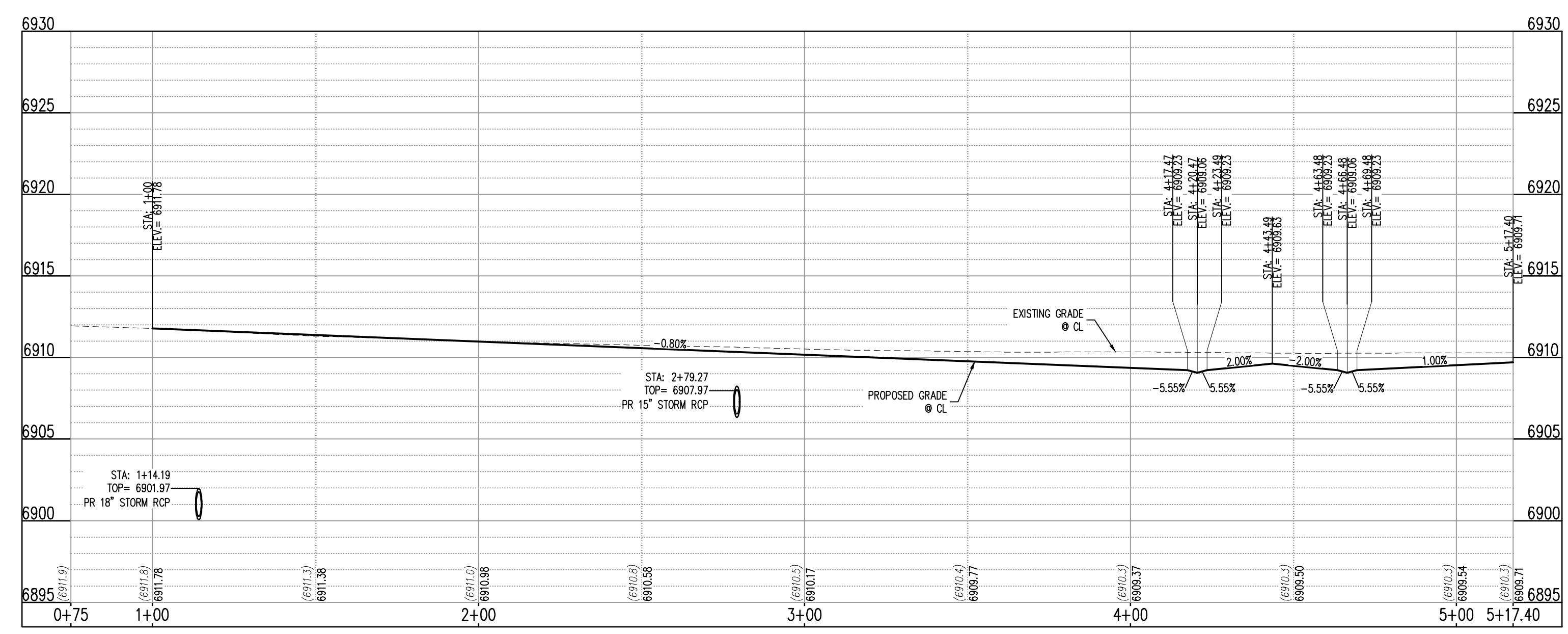
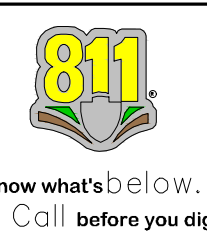
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BENCHMARK
THE SOUTHWEST CORNER OF LOT 1 WOODMEN HILLS FLUNG NO. 4, MONUMENTED BY A NO. 4 REBAR WITH A YELLOW PLASTIC CAP STAMPED "PLS 24864"
NAVD88 ELEVATION = 6947.67

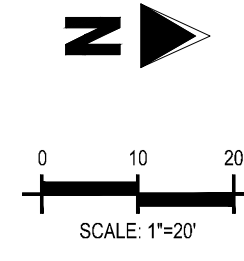
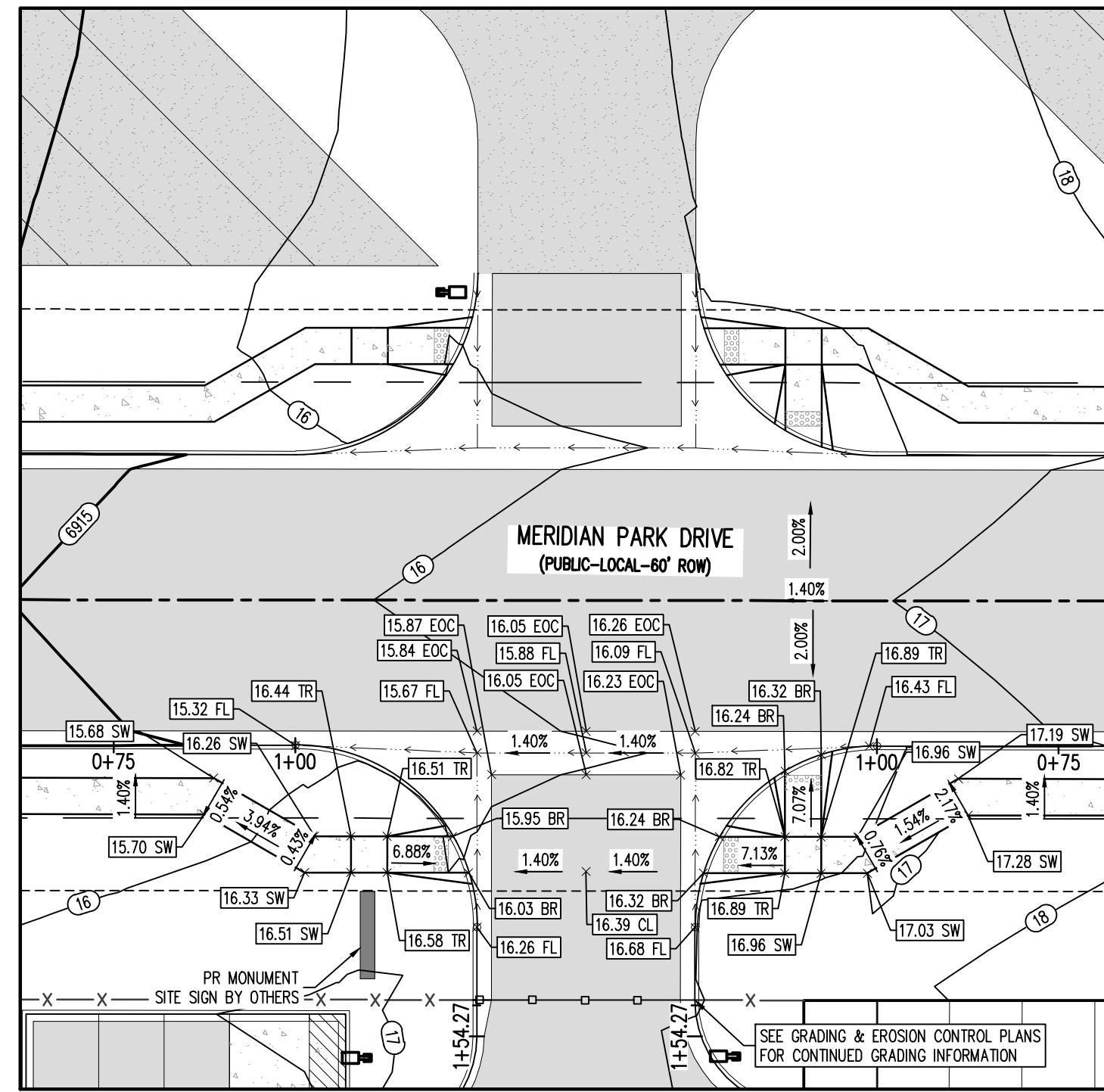
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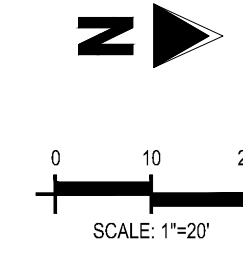
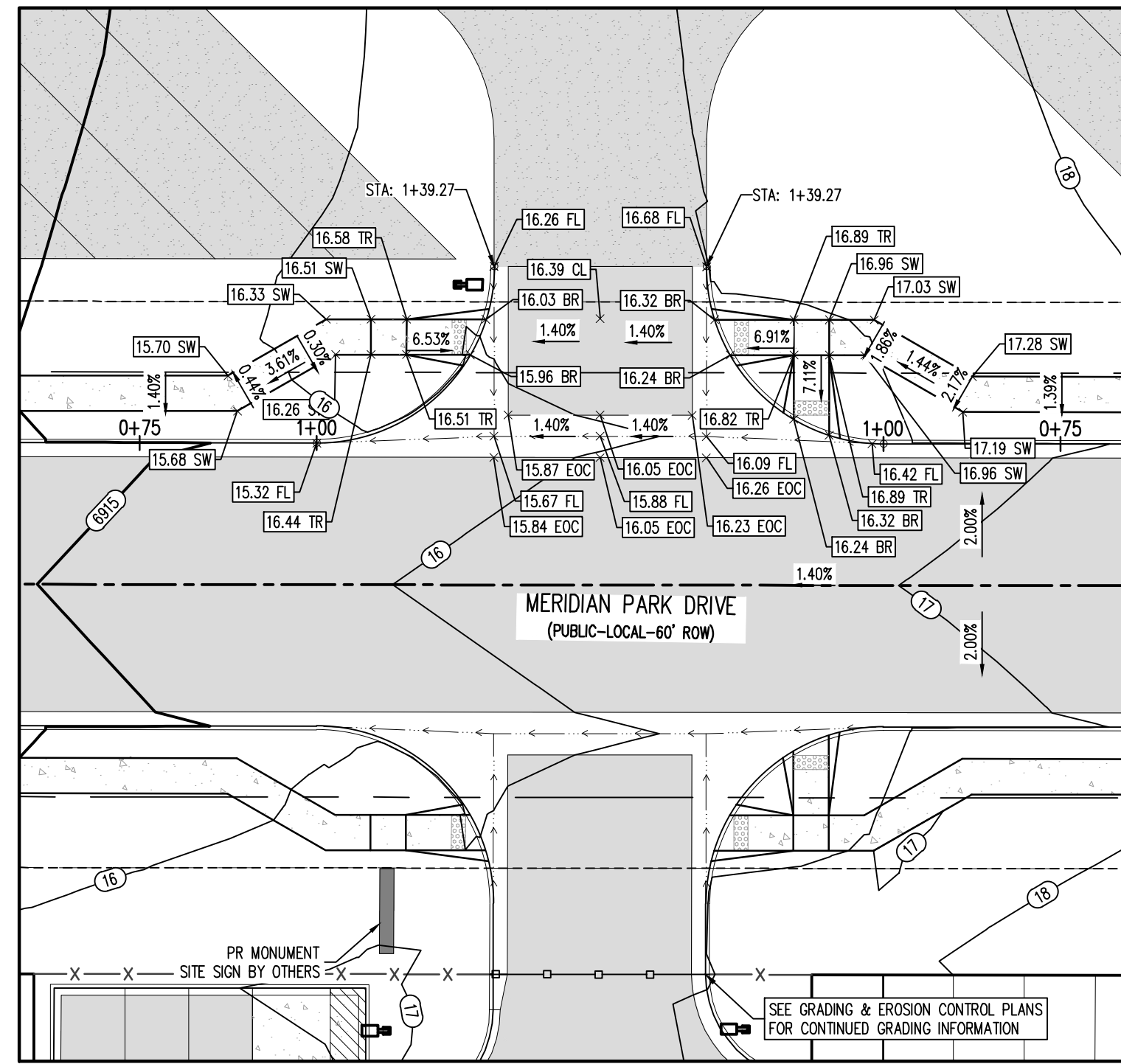


OWL PLACE (STA: 0+75 - 5+17.40)
SCALE: HORIZONTAL 1"=30', VERTICAL 1"=6'

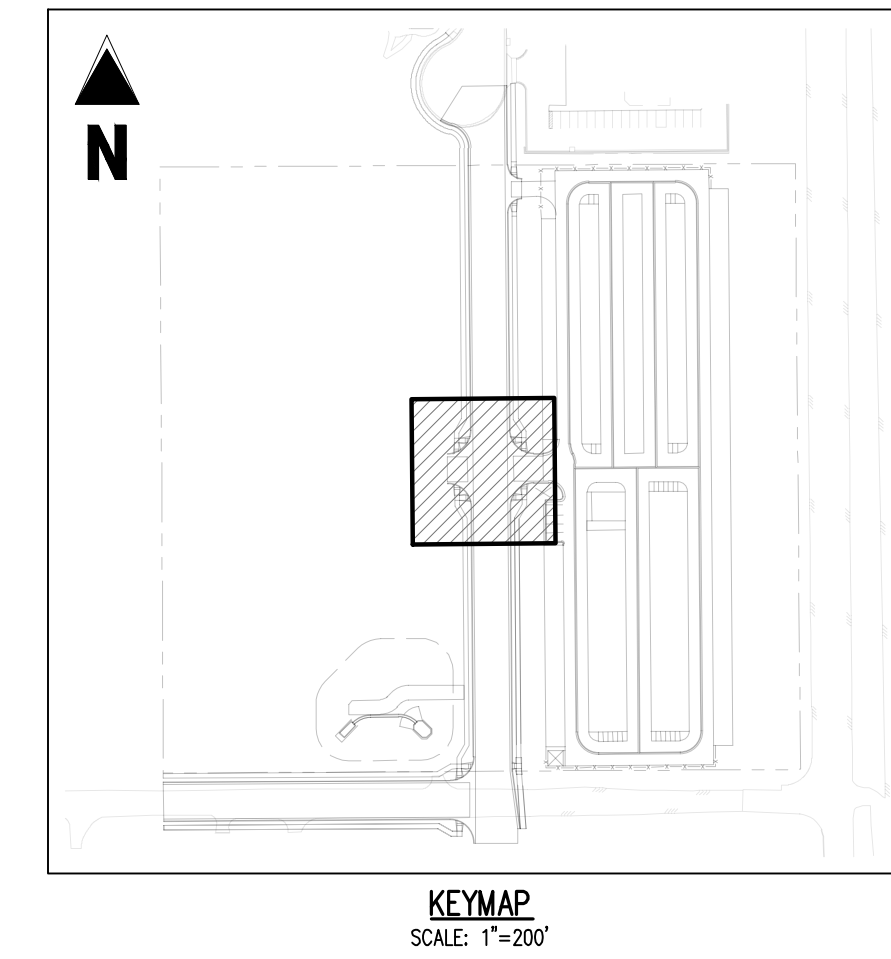
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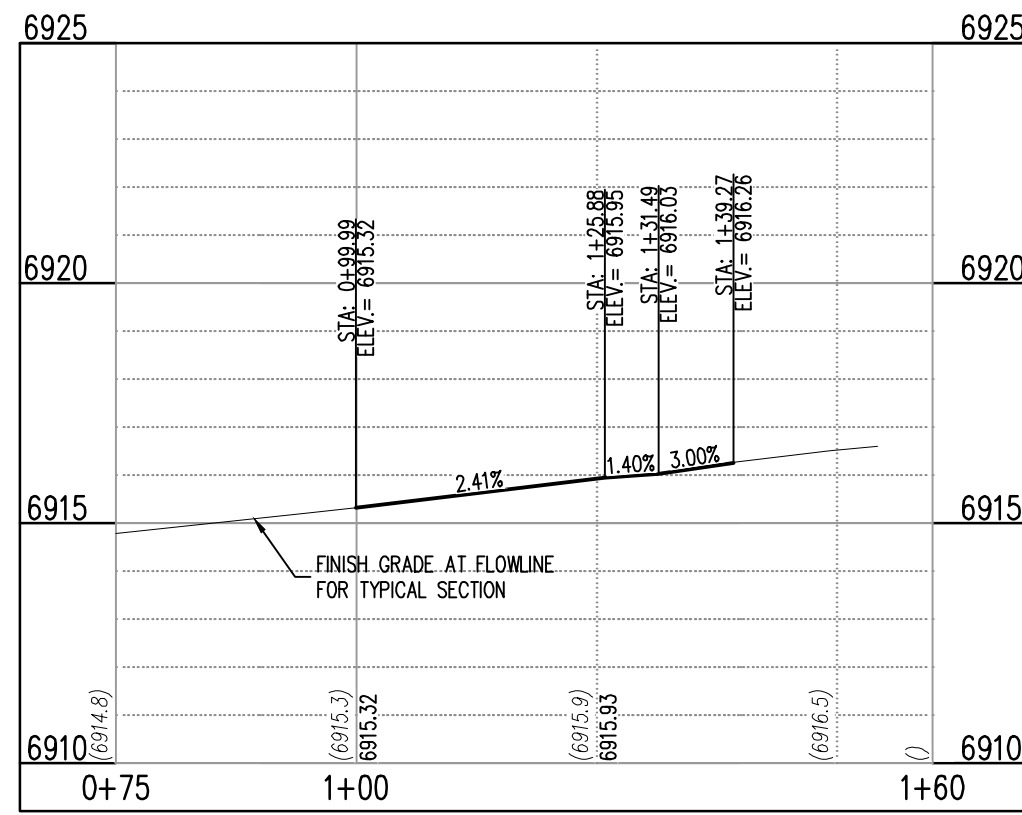
MERIDIAN PARK DRIVE (B) & STREET C (EAST SIDE) - PUBLIC 60' R.O.W.
25 MPH DESIGN SPEED (LOCAL)
SCALE: 1"=20'



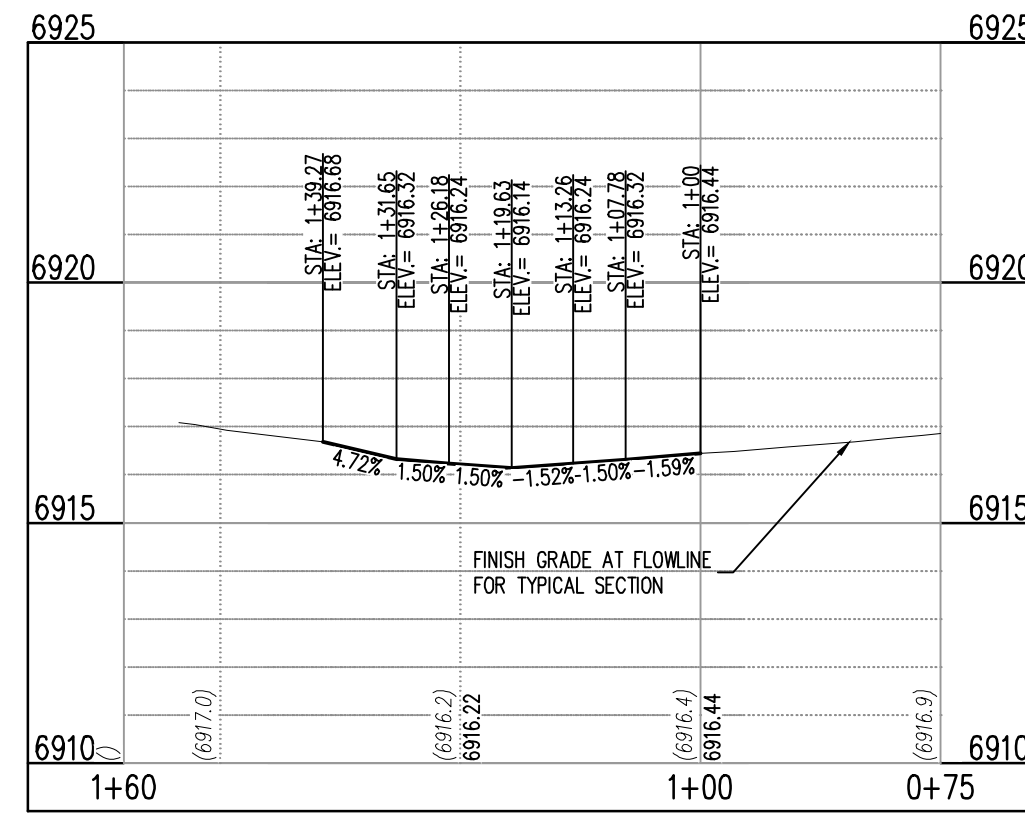
MERIDIAN PARK DRIVE (B) & STREET C (WEST SIDE) - PUBLIC 60' R.O.W.
25 MPH DESIGN SPEED (LOCAL)
SCALE: 1"=20'



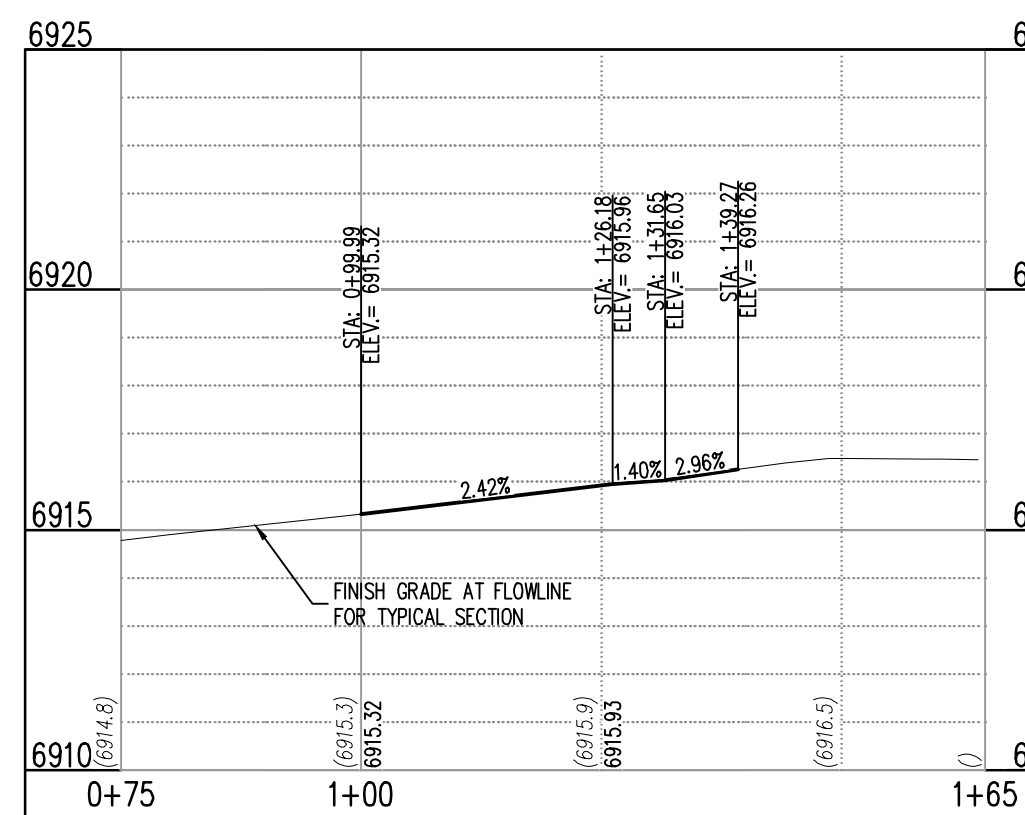
- DETAIL GRADING LEGEND**
- PROPERTY BOUNDARY LINE
 - ADJACENT PROPERTY BOUNDARY LINE
 - RIGHT OF WAY BOUNDARY LINE
 - PROPOSED LOT LINE
 - PROPOSED EASEMENT LINE
 - ROAD CENTERLINE
 - PROPOSED SWALE FLOWLINE
 - PROPOSED CURB AND GUTTER
 - PROPOSED SIDEWALK
 - PROPOSED MAJOR CONTOUR
 - PROPOSED MINOR CONTOUR
 - PROPOSED SLOPE - PERCENT
 - PROPOSED SLOPE - RISE/RUN
 - PROPOSED SPOT ELEVATION - HIGH POINT
 - PROPOSED SPOT ELEVATION - LOW POINT
 - PROPOSED SPOT ELEVATION - TOP OF RAMP
 - PROPOSED SPOT ELEVATION - BOTTOM OF RAMP
 - PROPOSED SPOT ELEVATION - FLOWLINE
 - PROPOSED SPOT ELEVATION - ROADWAY CENTERLINE
 - PROPOSED SPOT ELEVATION - TOP BACK OF CURB
 - PROPOSED SPOT ELEVATION - LIP OF GUTTER
 - PROPOSED SPOT ELEVATION - FINISHED GRADE
 - PROPOSED SPOT ELEVATION - SIDEWALK
 - PROPOSED SPOT ELEVATION - EDGE OF CONCRETE
 - PROPOSED SPOT ELEVATION - EDGE OF ASPHALT



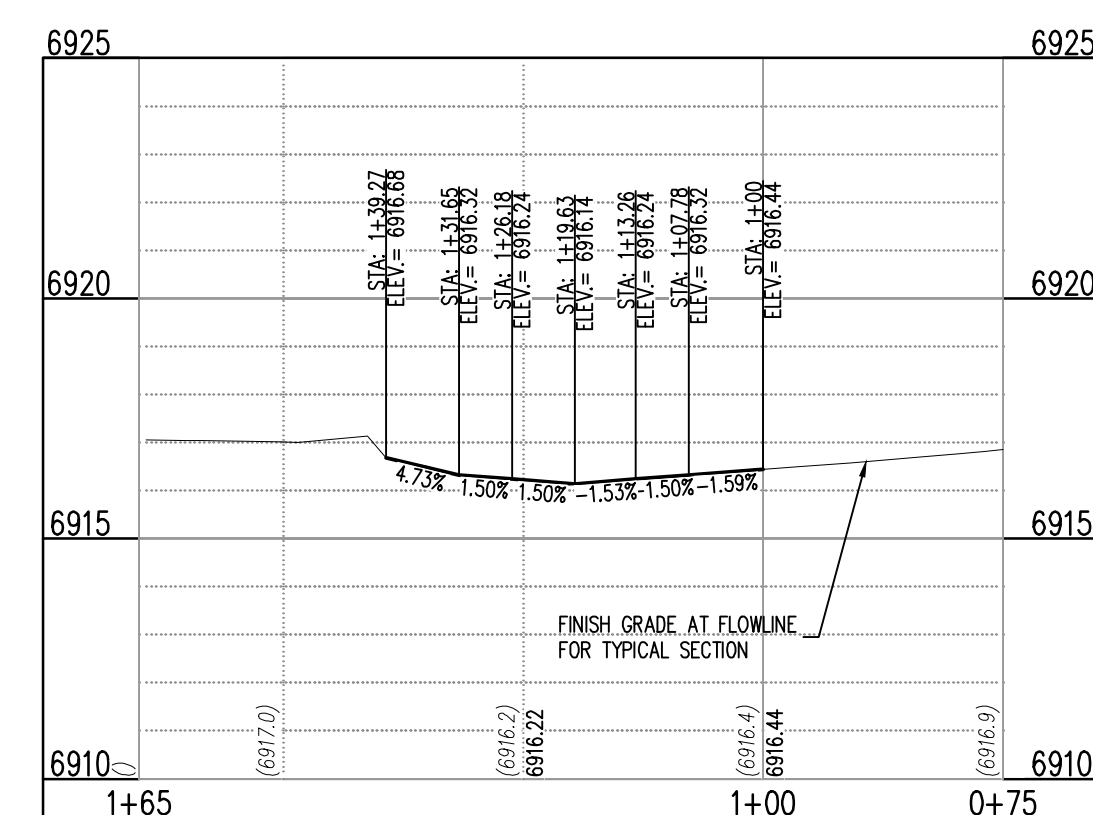
ST-B & ST-C (EAST) (SE) (STA: 0+75 - 1+54.27)
SCALE: HORIZONTAL 1"=20', VERTICAL 1"=4'



ST-B & ST-C (EAST) (NE) (STA: 0+75 - 1+54.27)
SCALE: HORIZONTAL 1"=20', VERTICAL 1"=4'



ST-B & ST-C (WEST) (SW) (STA: 0+75 - 1+64.27)
SCALE: HORIZONTAL 1"=20', VERTICAL 1"=4'



ST-B & ST-C (WEST) (NW) (STA: 0+75 - 1+64.27)
SCALE: HORIZONTAL 1"=20', VERTICAL 1"=4'

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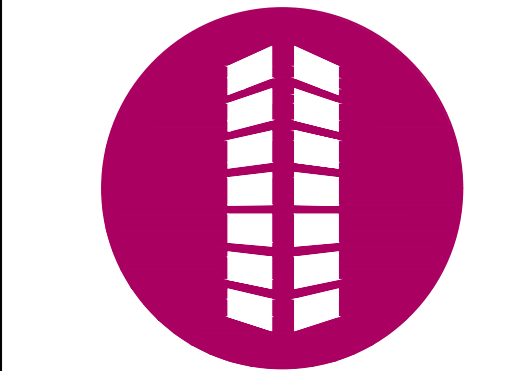
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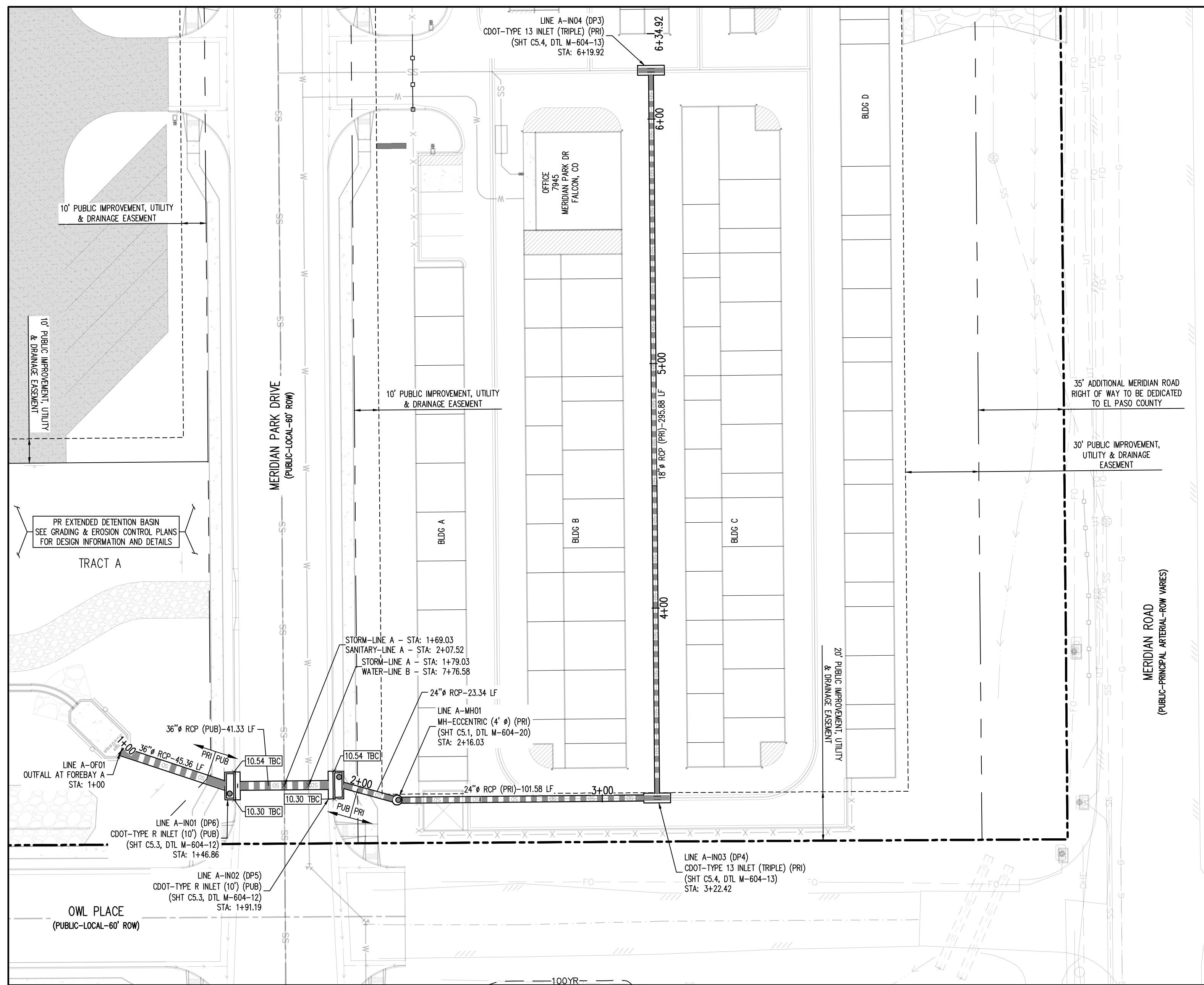
CONSTRUCTION DRAWINGS
MERIDIAN STORAGE
MERIDIAN STORAGE, LLC
VR239 & SDP2336
STATE OF COLORADO, MERIDIAN ROAD & OWL PLACE
EL PASO COUNTY, FALCON, CO 80931

#	Date	Issue / Description	Init.

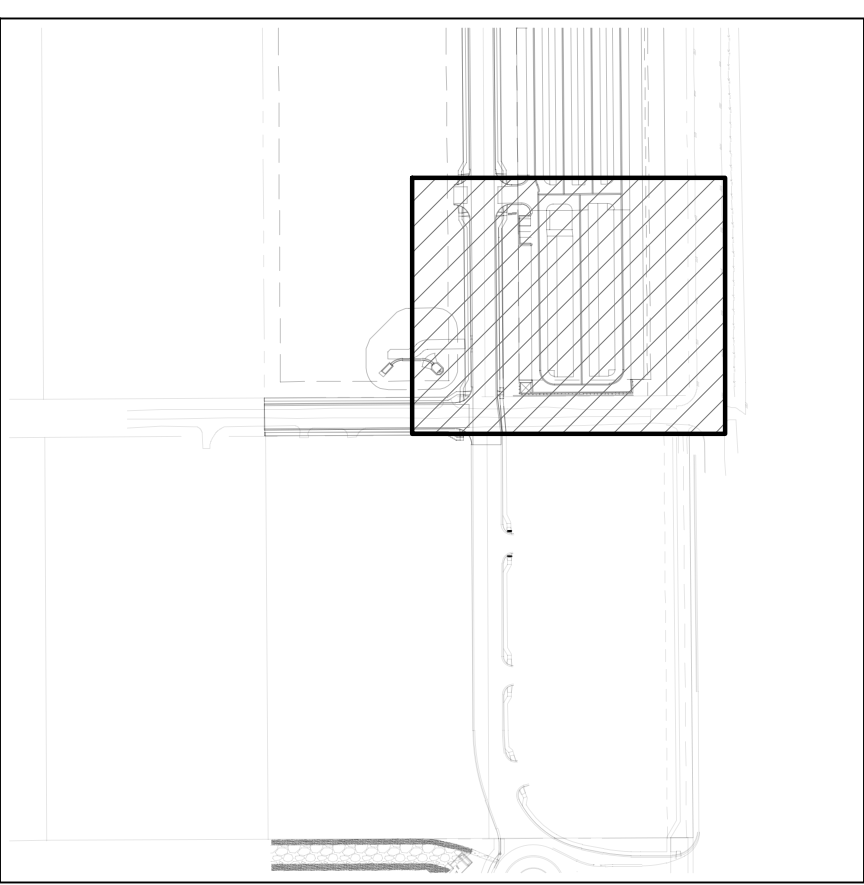
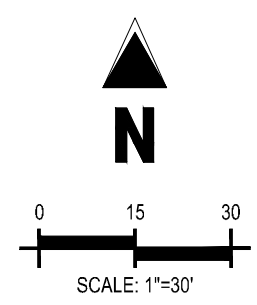
Project No: MRS01
Drawn By: JDM
Checked By: CMWJ
Date: 10/20/2023

INTERSECTION DETAILS

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 11/11/2023



STORM DRAIN PLAN - LINE A
SCALE: 1"=30'



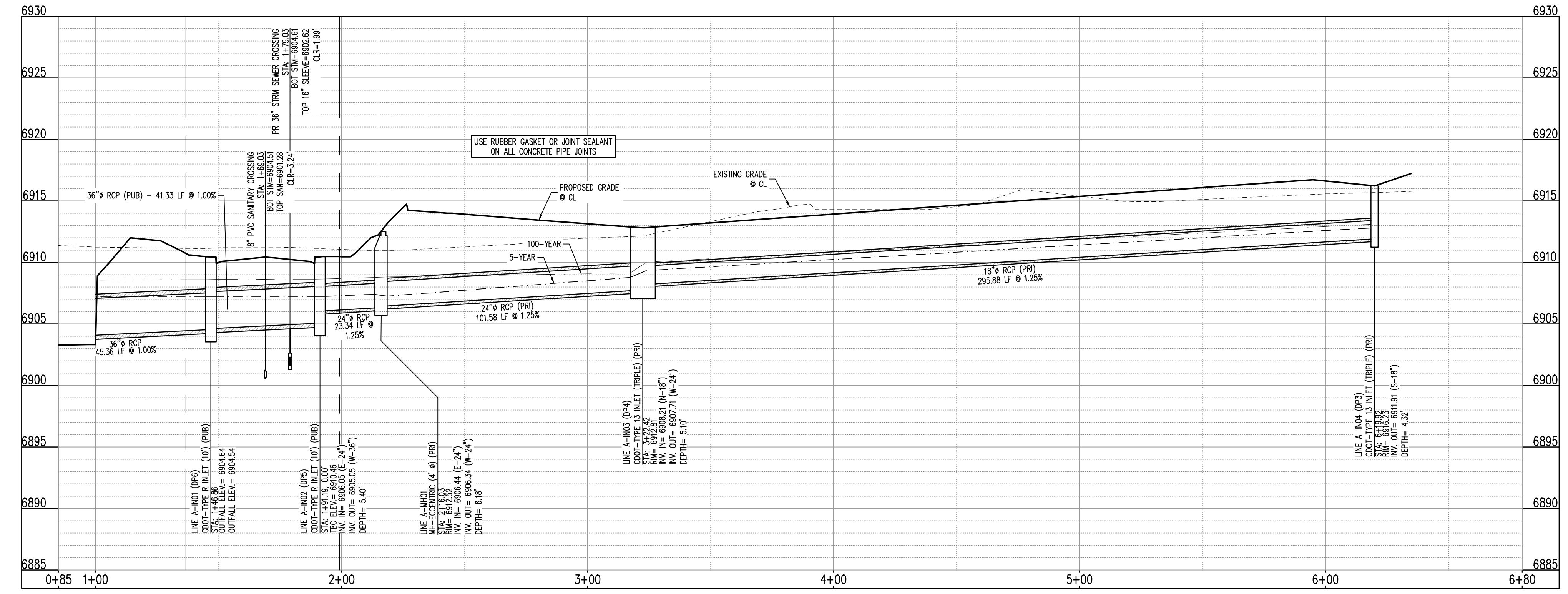
KEYMAP
SCALE: 1"=300'

UTILITY LEGEND

- W- EXISTING WATER LINE
- W- PROPOSED WATER LINE
- SS- EXISTING SANITARY SEWER
- SS- PROPOSED SANITARY SEWER
- EXISTING STORM SEWER
- PROPOSED STORM SEWER
- G- EXISTING GAS LINE
- G- PROPOSED GAS LINE
- EXISTING UNDERGROUND TELEPHONE
- OHE- EXISTING OVERHEAD ELECTRIC
- FO- EXISTING FIBER OPTIC LINE
- EXISTING FIBER OPTIC STRUCTURES
- EXISTING TELEPHONE PEDESTAL
- EXISTING ELECTRIC TRANSFORMER
- EXISTING POWER POLE
- EXISTING STREET LIGHT
- PROPOSED STREET LIGHT
- EXISTING WATER METER
- EXISTING WATER VALVE
- PROPOSED WATER VALVE
- EXISTING FIRE HYDRANT
- PROPOSED FIRE HYDRANT
- EXISTING STORM SEWER MANHOLE
- PROPOSED STORM SEWER MANHOLE
- EXISTING SANITARY SEWER MANHOLE
- PROPOSED SANITARY SEWER MANHOLE

SITE LEGEND

- - - PROJECT BOUNDARY LINE
- - - ADJACENT PROPERTY BOUNDARY LINE
- - - RIGHT OF WAY LINE
- - - EXISTING ADJACENT LOT LINE
- - - PROPOSED LOT LINE
- - - EXISTING EASEMENT LINE
- - - PROPOSED EASEMENT LINE
- - - PROPOSED ROAD CENTERLINE
- - - EXISTING ROAD CENTERLINE
- - - PROPOSED RIDGE LINE
- - - PROPOSED SWALE LINE
- - - EXISTING SWALE LINE
- - - EXISTING SWALE LINE
- - - EXISTING SWALE LINE
- - - 100-YR FLOODPLAIN BOUNDARY
- - - EXISTING FENCE
- X - X - X - PROPOSED FENCE
- O - O - O - EXISTING GUARDRAIL
- - - PROPOSED CURB AND GUTTER
- - - EXISTING CURB AND GUTTER
- - - EXISTING EDGE OF ASPHALT
- - - PROPOSED SIDEWALK
- - - PROPOSED TRAIL
- - - PROPOSED GRAVEL PER ECM TABLE D-7
- - - RR/PAP OUTFALL PADS
- - - EXISTING SIGN
- - - PROPOSED SIGN
- - - PROPOSED BOLLARDS



STORM DRAIN PROFILE - LINE A (STA: 0+85 - 6+58.84)
SCALES: HORIZONTAL 1"=30', VERTICAL 1"=6'

CALCULATIONS TO TOP OF PIPE (TOP) FOR REINFORCED CONCRETE PIPE (RCP) ASSUMES WALL THICKNESS AS SHOWN BELOW:

PIPE I.D. (INCHES)	WALL THICKNESS (INCHES)	PIPE O.D. (INCHES)
12	2.00	16.00
15	2.75	19.50
18	2.50	23.00
21	2.75	26.50
24	3.00	30.00
27	3.25	33.50
30	3.50	37.00
33	3.75	40.50
36	4.00	44.00
42	4.50	51.00
48	5.00	58.00
54	5.50	65.00
60	6.00	72.00
66	6.50	80.50

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

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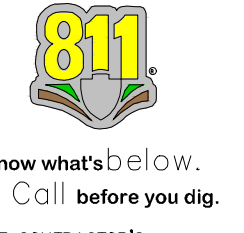
BASIS OF BEARING
ALL BEARINGS ARE GRID BEARINGS OF THE COLORADO STATE PLANE COORDINATE SYSTEM, CENTRAL ZONE, NORTH AMERICAN DATUM 1983. BEARINGS ARE BASED ON THE SOUTH LINE OF LOTS 2, 3, & 4 OF FALCON RANGHETTES, AND IS CONSIDERED TO BEAR S89°40'45"W. DEFINED BY FOUND MONUMENTS AS FOLLOWS: A NO. 4 REBAR WITH A 1-1/4" YELLOW PLASTIC CAP STAMPED "LS 2372", BEING THE SOUTHWEST CORNER OF LOT 2; AND A NO. 4 REBAR WITH A 1-1/4" YELLOW PLASTIC CAP STAMPED "LS 2372", BEING THE SOUTHWEST CORNER OF LOT 4.

BENCHMARK
THE SOUTHWEST CORNER OF LOT 1 WOODEN HILLS FLUNG NO. 4, MONUMENTED BY A NO. 4 REBAR WITH A YELLOW PLASTIC CAP STAMPED "PLS 24984" NAVD88 ELEVATION = 6947.67

CAUTION - NOTICE TO CONTRACTOR

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2. WHERE A PROPOSED UTILITY CROSSES AN EXISTING UTILITY, IT IS THE CONTRACTOR'S RESPONSIBILITY TO FIELD VERIFY THE HORIZONTAL AND VERTICAL LOCATION OF SUCH EXISTING UTILITY, EITHER THROUGH POT-Holing OR ALTERNATIVE METHOD. REPORT INFORMATION TO THE ENGINEER PRIOR TO CONSTRUCTION.



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CONSTRUCTION DRAWINGS
MERIDIAN STORAGE
MERIDIAN STORAGE, LLC
VR239 & SDP2336

STATE OF COLORADO, MERIDIAN ROAD & OWL PLACE
EL PASO COUNTY, FALCON, CO 80931

#	Date	Issue / Description	Init.

Project No:	MRS01
Drawn By:	JDM
Checked By:	CMWJ
Date:	10/20/2023

STORM DRAIN PLAN

VR239 & SDP2336

C4.1
Sheet 13 of 25

BASIS OF BEARING
 ALL BEARINGS ARE GRID BEARINGS OF THE COLORADO STATE PLANE COORDINATE SYSTEM, CENTRAL ZONE, NORTH AMERICAN DATUM 1983. BEARINGS ARE BASED ON THE SOUTH LINE OF LOTS 2, 3, & 4 OF FALCON RANCHETTES, AND IS CONSIDERED TO BEAR S89°40'45"W, DEFINED BY FOUND MONUMENTS AS FOLLOWS: A NO. 4 REBAR WITH A 1-1/4" YELLOW PLASTIC CAP STAMPED "LS 2372", BEING THE SOUTHEAST CORNER OF LOT 2; AND A NO. 4 REBAR WITH A 1-1/4" YELLOW PLASTIC CAP STAMPED "LS 2372", BEING THE SOUTHWEST CORNER OF LOT 4.

BENCHMARK
 THE SOUTHWEST CORNER OF LOT 1 WOODEN HILLS FLING NO. 4, MONUMENTED BY A NO. 4 REBAR WITH A YELLOW PLASTIC CAP STAMPED "PLS 24964" NAVD88 ELEVATION = 6947.67

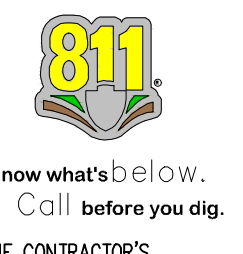
CAUTION - NOTICE TO CONTRACTOR
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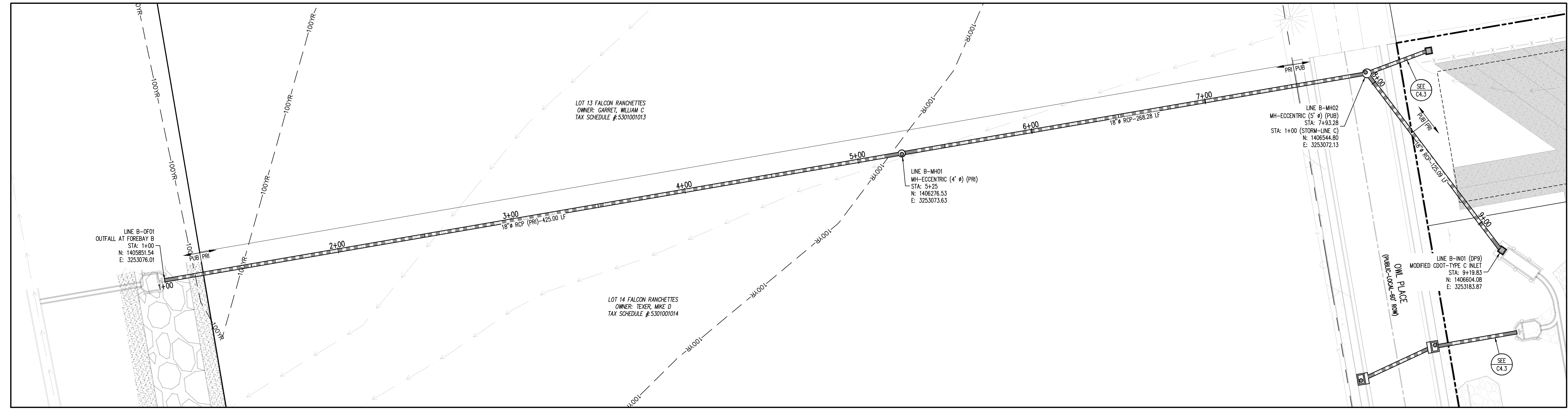
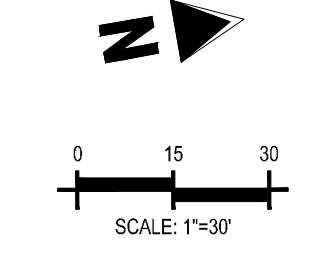
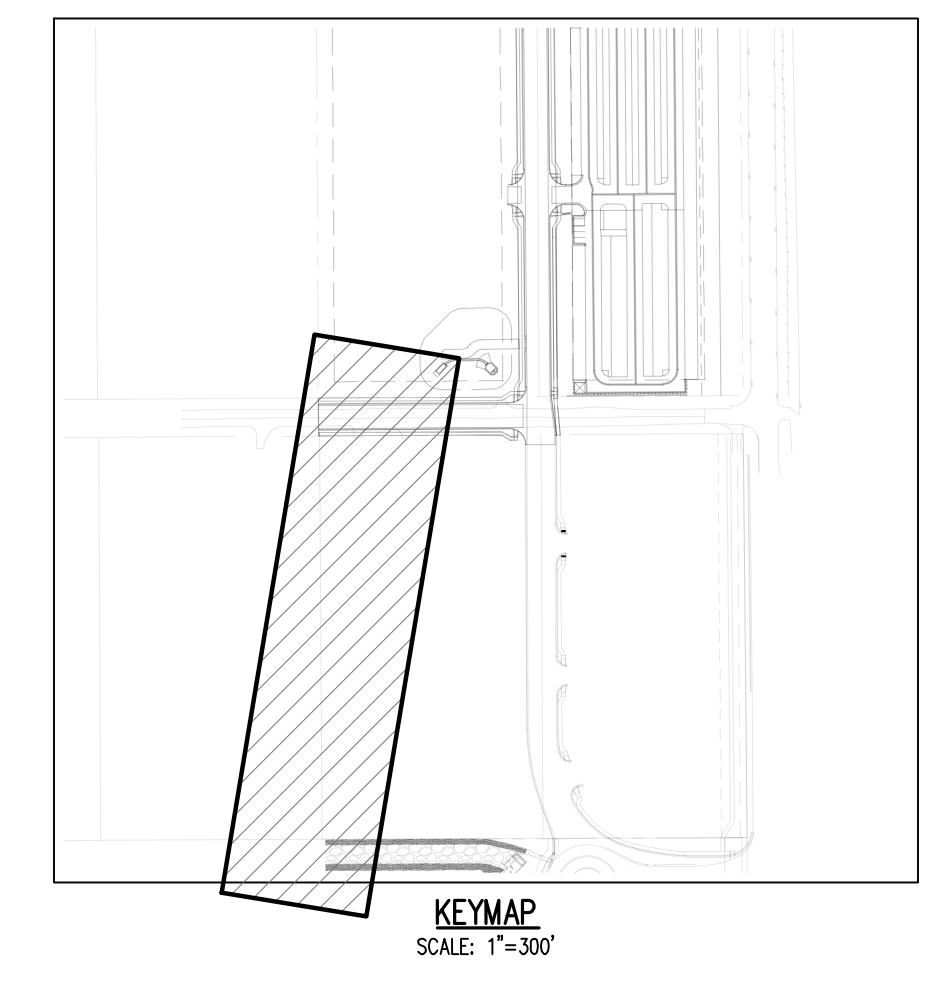


- SITE LEGEND**
- PROJECT BOUNDARY LINE
 - ADJACENT PROPERTY BOUNDARY LINE
 - - - RIGHT OF WAY LINE
 - - - EXISTING ADJACENT LOT LINE
 - - - PROPOSED LOT LINE
 - - - EXISTING EASEMENT LINE
 - - - PROPOSED EASEMENT LINE
 - - - PROPOSED ROAD CENTERLINE
 - - - EXISTING ROAD CENTERLINE
 - - - PROPOSED RIDGE LINE
 - - - PROPOSED SWALE LINE
 - - - EXISTING SWALE LINE
 - - - 100YR FLOODPLAIN BOUNDARY
 - - - EXISTING FENCE
 - - - PROPOSED FENCE
 - - - EXISTING GUARDRAIL
 - - - PROPOSED CURB AND GUTTER
 - - - EXISTING CURB AND GUTTER
 - - - EXISTING EDGE OF ASPHALT
 - - - PROPOSED SIDEWALK
 - - - PROPOSED TRAIL
 - - - PROPOSED GRAVEL PER EGM TABLE D-7
 - - - RIPRAP OUTFALL PADS
 - - - EXISTING SIGN
 - - - PROPOSED SIGN
 - - - PROPOSED BOLLARDS

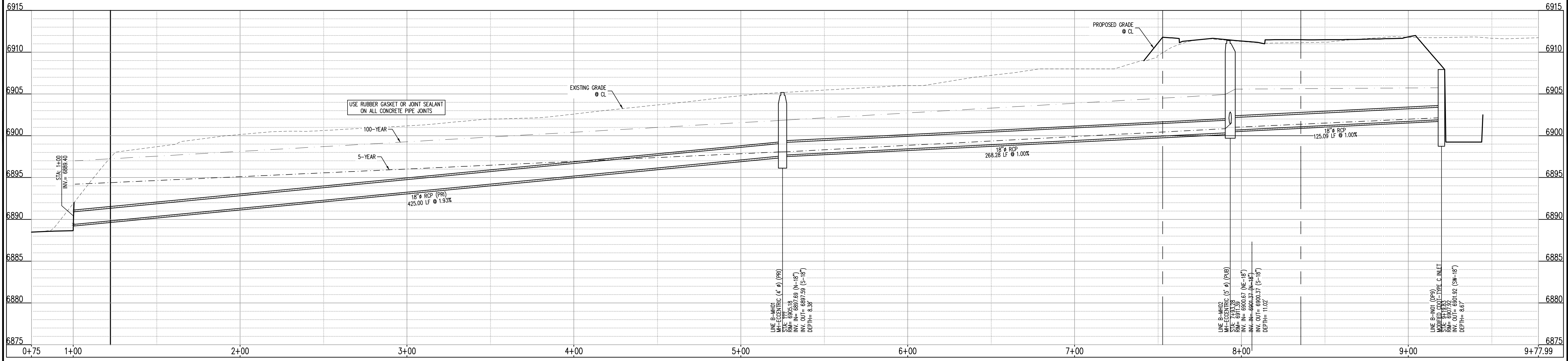
- UTILITY LEGEND**
- - - EXISTING WATER LINE
 - - - PROPOSED WATER LINE
 - - - EXISTING SANITARY SEWER
 - - - PROPOSED SANITARY SEWER
 - - - EXISTING STORM SEWER
 - - - PROPOSED STORM SEWER
 - - - EXISTING GAS LINE
 - - - PROPOSED GAS LINE
 - - - EXISTING UNDERGROUND TELEPHONE
 - - - EXISTING OVERHEAD ELECTRIC
 - - - EXISTING FIBER OPTIC LINE
 - - - EXISTING FIBER OPTIC STRUCTURES
 - - - EXISTING TELEPHONE PEDESTAL
 - - - EXISTING ELECTRIC TRANSFORMER
 - - - EXISTING POWER POLE
 - - - EXISTING STREET LIGHT
 - - - PROPOSED STREET LIGHT
 - - - EXISTING WATER METER
 - - - PROPOSED WATER METER
 - - - EXISTING WATER VALVE
 - - - PROPOSED WATER VALVE
 - - - EXISTING FIRE HYDRANT
 - - - PROPOSED FIRE HYDRANT
 - - - EXISTING STORM SEWER MANHOLE
 - - - PROPOSED STORM SEWER MANHOLE
 - - - EXISTING SANITARY SEWER MANHOLE
 - - - PROPOSED SANITARY SEWER MANHOLE

CALCULATIONS TO TOP OF PIPE (TOP) FOR REINFORCED CONCRETE PIPE (RCP) ASSUMES WALL THICKNESS AS SHOWN BELOW:

PIPE I.D. (INCHES)	WALL THICKNESS (INCHES)	PIPE O.D. (INCHES)
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15	2.25	19.50
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24	3.00	30.00
27	3.25	33.50
30	3.50	37.00
33	3.75	40.50
36	4.00	44.00
42	4.50	51.00
48	5.00	58.00
54	5.50	65.00
60	6.00	72.00
66	6.50	78.50



STORM DRAIN PLAN - LINE B
SCALE: 1"=30'



STORM DRAIN PROFILE - LINE B (STA: 1+00 - 9+77.99)
SCALES: HORIZONTAL 1"=30', VERTICAL 1"=6'



#	Date	Issue / Description	Init.

Project No: MRS01
 Drawn By: JDM
 Checked By: CMWJ
 Date: 10/20/2023

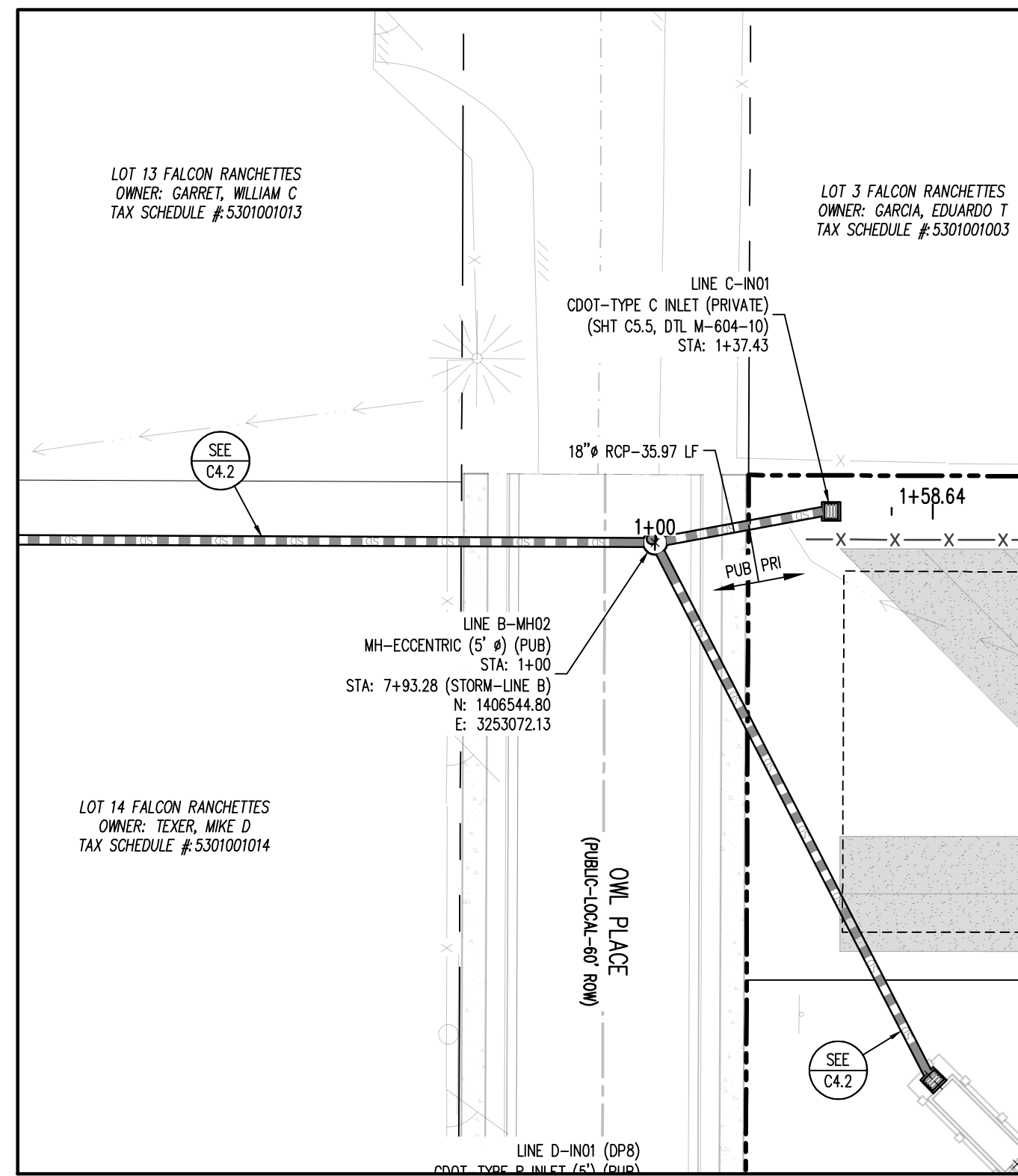
STORM DRAIN PLAN
 VR239 & SDP2336

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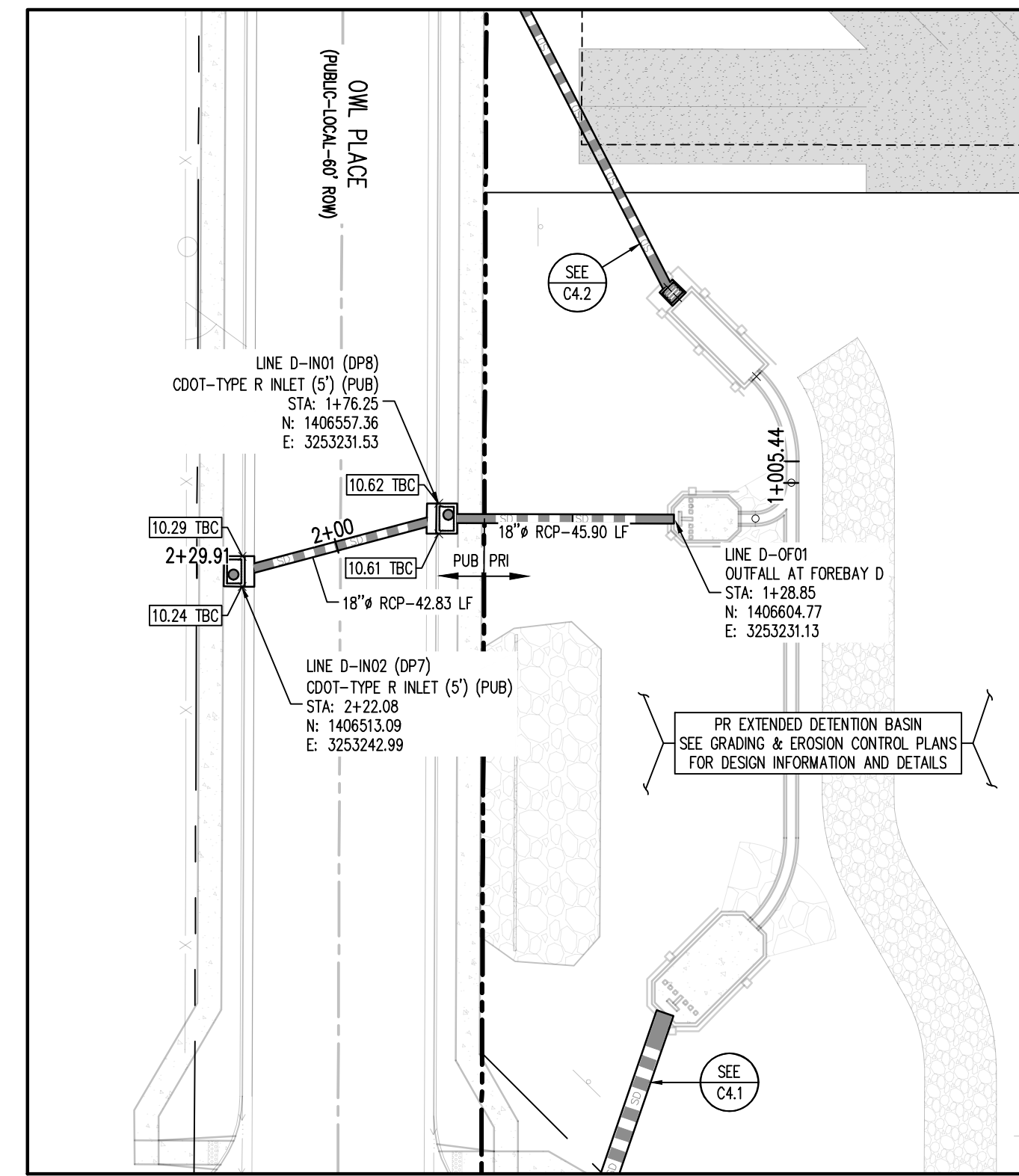


CONSTRUCTION DRAWINGS
MERIDIAN STORAGE
MERIDIAN STORAGE, LLC
VR239 & SDP2336

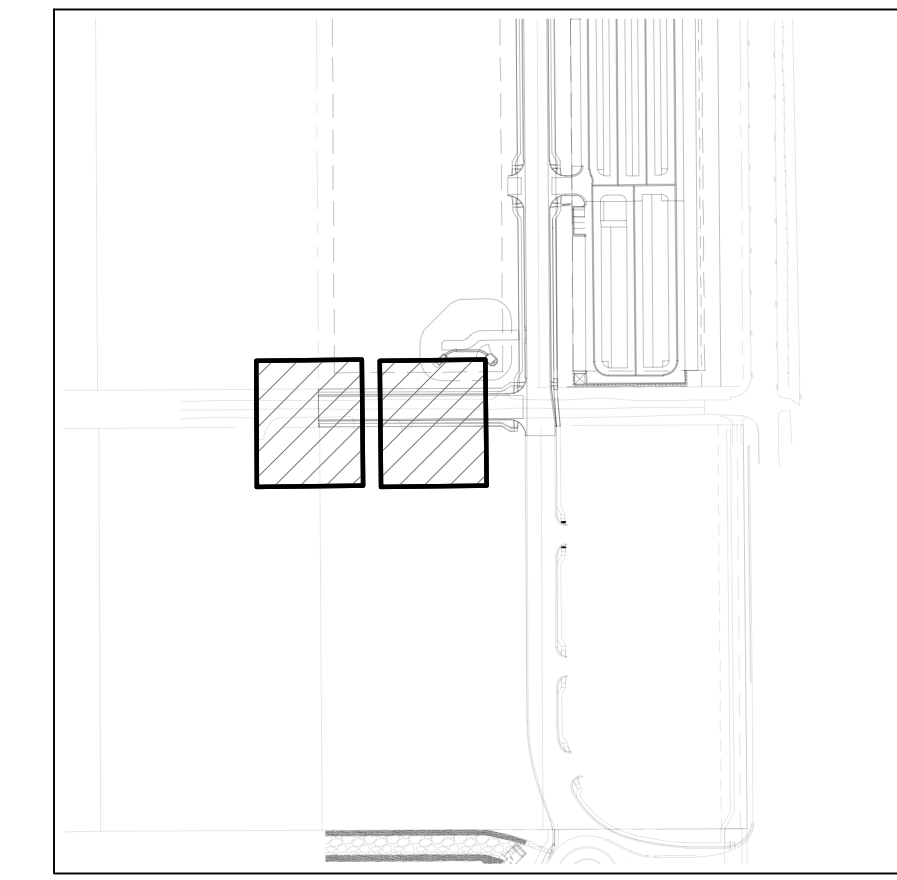
STATE OF COLORADO, MERIDIAN ROAD & OWL PLACE
 EL PASO COUNTY, FALCON, CO 80931



STORM DRAIN PLAN - LINE C
 SCALE: 1"=30'



STORM DRAIN PLAN - LINE D
 SCALE: 1"=30'



KEYMAP
 SCALE: 1"=300'

SITE LEGEND

- PROJECT BOUNDARY LINE
- ADJACENT PROPERTY BOUNDARY LINE
- - - RIGHT OF WAY LINE
- - - EXISTING ADJACENT LOT LINE
- - - PROPOSED LOT LINE
- - - EXISTING EASEMENT LINE
- - - PROPOSED EASEMENT LINE
- - - PROPOSED ROAD CENTERLINE
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BASIS OF BEARING

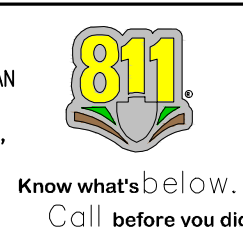
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BENCHMARK

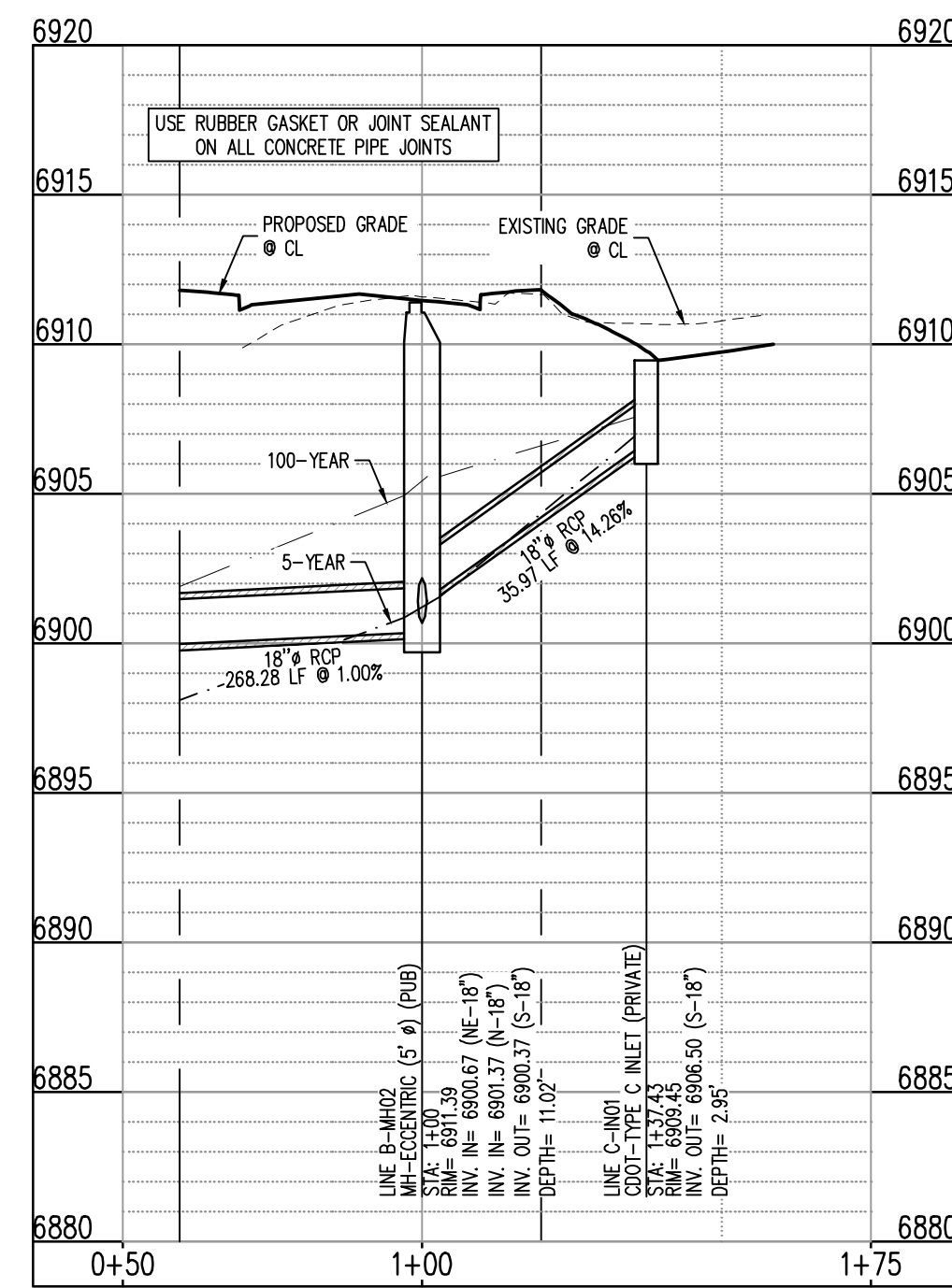
THE SOUTHWEST CORNER OF LOT 1 WOODMEN HILLS FLING NO. 4, MONUMENTED BY A NO. 4 REBAR WITH A YELLOW PLASTIC CAP STAMPED "PLS 24964"
 NAVD88 ELEVATION = 6947.67

CAUTION - NOTICE TO CONTRACTOR

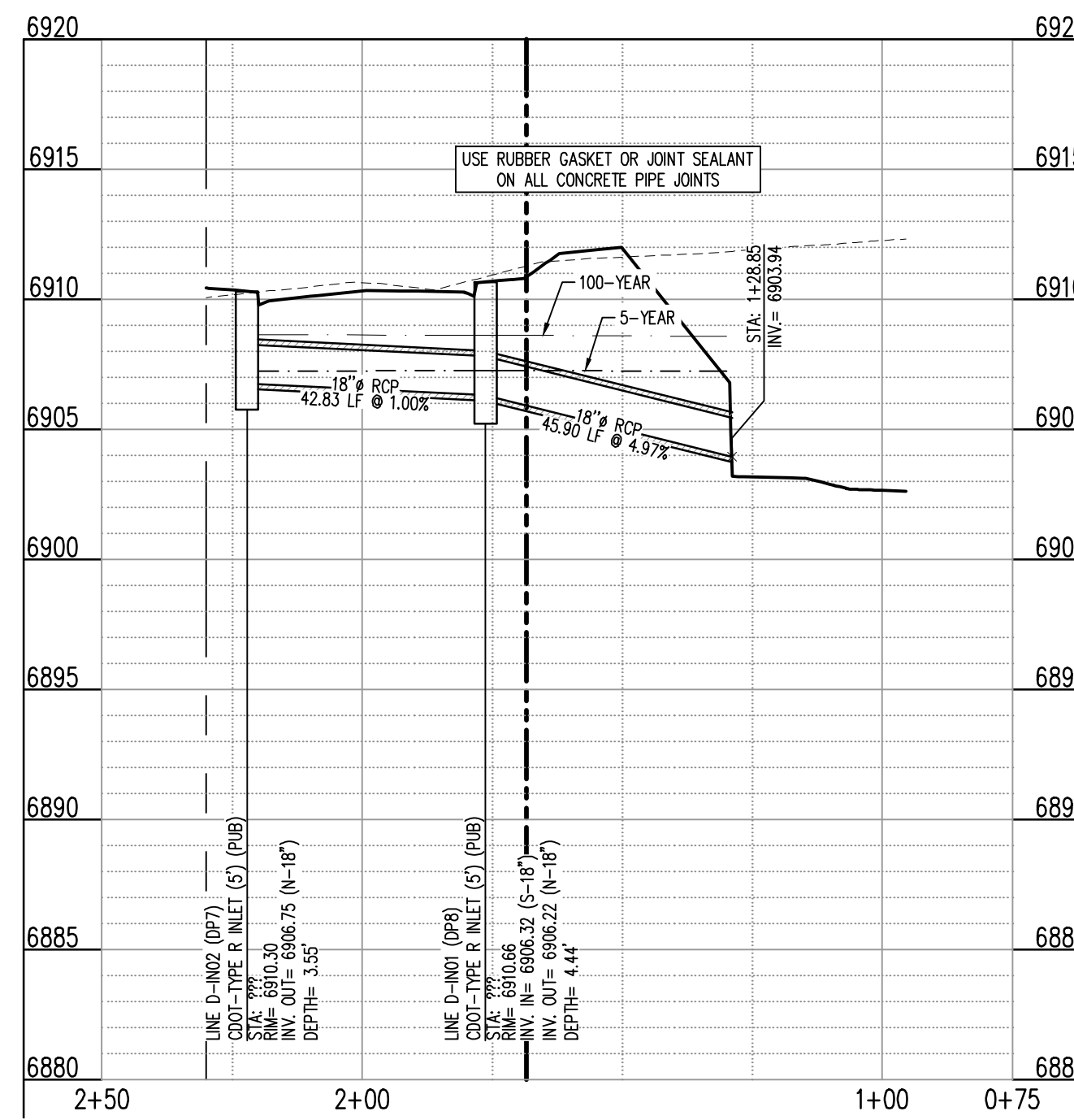
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STORM DRAIN PROFILE - LINE C (STA: 0+50 - 1+75)
 SCALES: HORIZONTAL 1"=30', VERTICAL 1"=6'

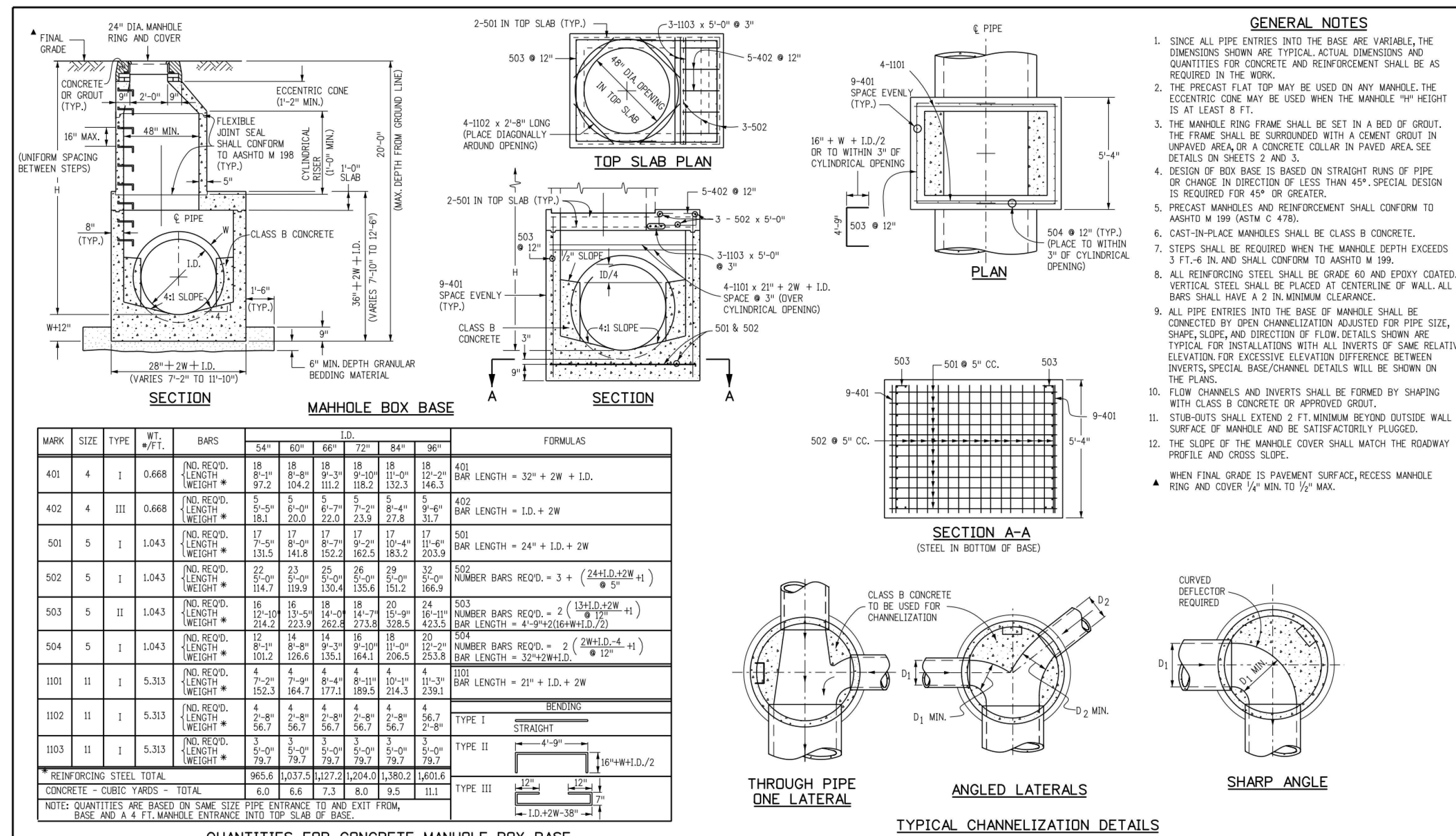


STORM DRAIN PROFILE - LINE D (STA: 0+75 - 2+50)
 SCALES: HORIZONTAL 1"=30', VERTICAL 1"=6'

Project No: MRS01
 Drawn By: JDM
 Checked By: CMWJ
 Date: 10/20/2023

STORM DRAIN PLAN

VR239 & SDP2336



Computer File Information		Sheet Revisions		Colorado Department of Transportation		MANHOLES		STANDARD PLAN NO.	
Creation Date: 07/31/19	Designer: Initials: JBK	Date:	Comments:	2829 West Howard Place		M-604-20		M-604-20	
Last Modification Date: 07/31/19	Detailer: Initials: LTA			COOT HQ, 3rd Floor		Standard Sheet No. 1 of 3		Project Sheet Number:	
CAD Ver.: MicroStation V8	Scale: Not to Scale			Denver, CO 80204		Project Development Branch		Project Sheet Number:	
				Phone: 303-757-9021 FAX: 303-757-9866		JBK		Issued by the Project Development Branch July 31, 2019	

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CONSTRUCTION DRAWINGS
MERIDIAN STORAGE
MERIDIAN STORAGE, LLC
VR239 & SDP2336

STATE OF COLORADO, MERIDIAN ROAD & OWL PLACE
 EL PASO COUNTY, FALCON, CO 80931

#	Date	Issue / Description	Init.

Project No: MRS01
 Drawn By: JDM
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 Date: 10/20/2023
STORM DRAIN DETAILS

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**CONSTRUCTION DRAWINGS
MERIDIAN STORAGE
MERIDIAN STORAGE, LLC
VR239 & SDP2336**

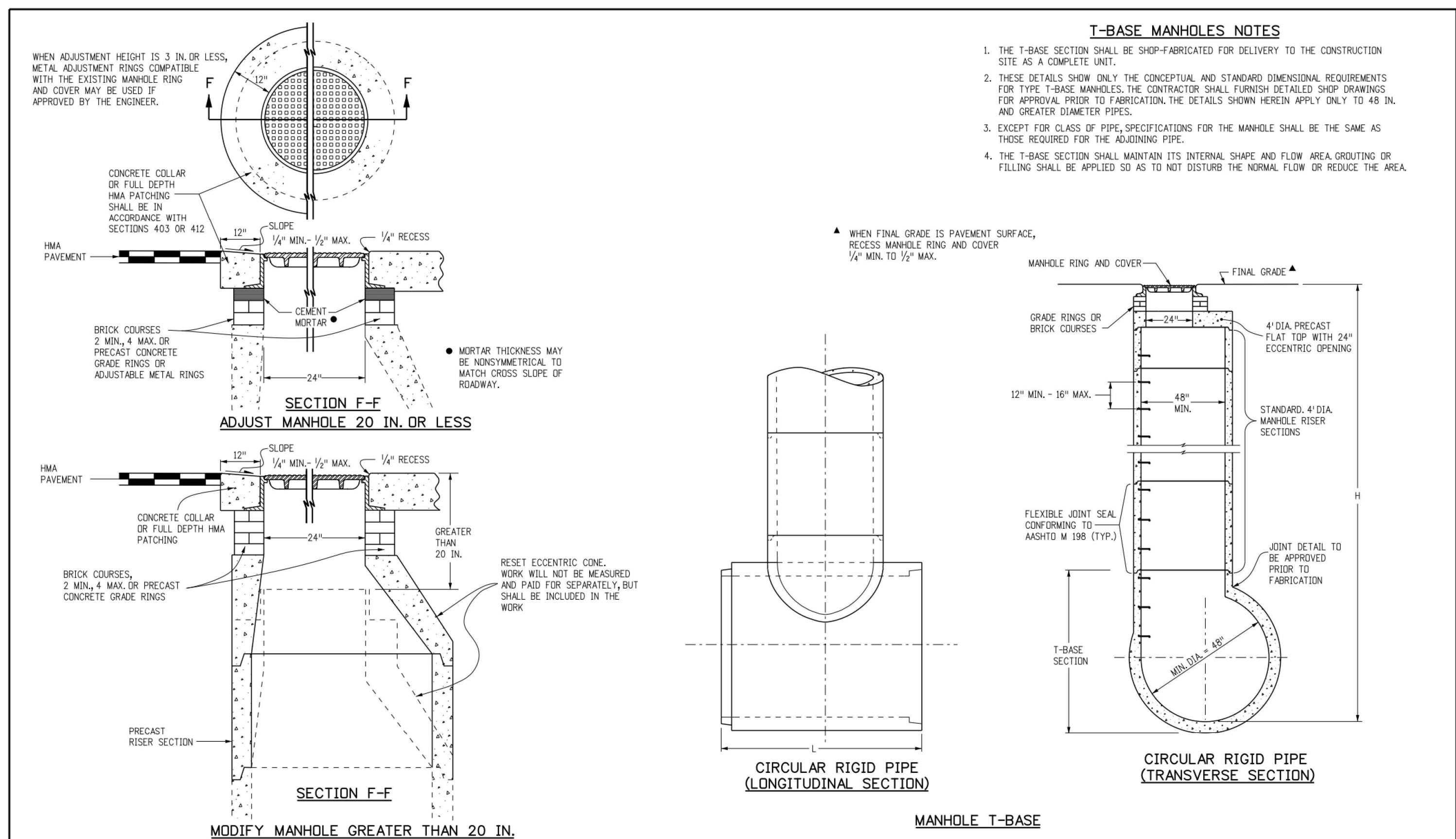
**STATE OF COLORADO, MERIDIAN ROAD & OWL PLACE
EL PASO COUNTY, FALCON, CO 80931**

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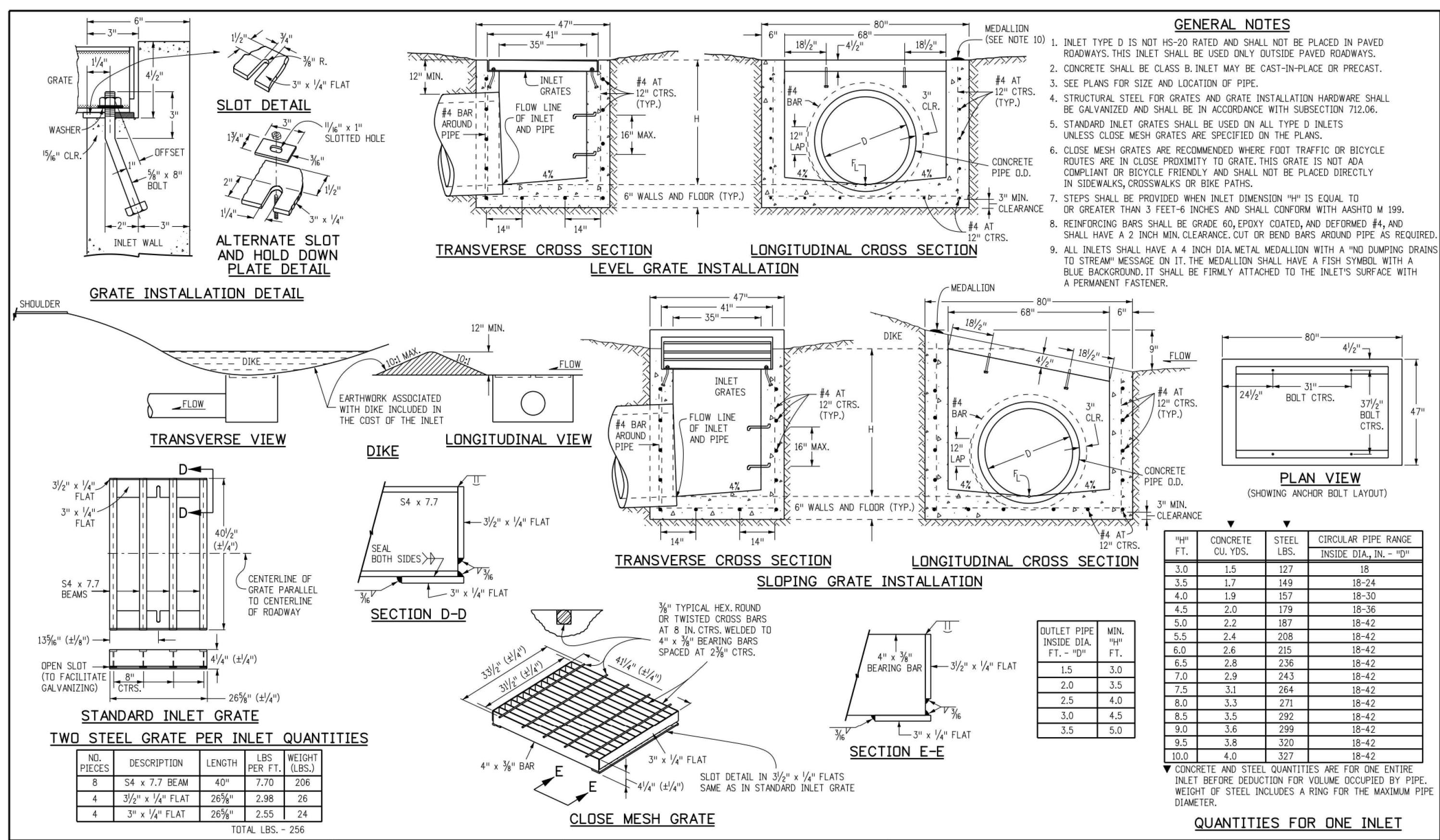
Project No: MRS01
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STORM DRAIN DETAILS

VR239 & SDP2336



Computer File Information		Sheet Revisions		Colorado Department of Transportation		STANDARD PLAN NO.	
Creation Date: 07/31/19		Date:	Comments:	2829 West Howard Place		M-604-20	
Designer Initials: JBK				CDOT HQ, 3rd Floor		Standard Sheet No. 3 of 3	
Last Modification Date: 07/31/19				Denver, CO 80204			
Detailer Initials: LTA				Phone: 303-757-9021 FAX: 303-757-9866			
CAD Ver.: MicroStation V8 Scale: Not to Scale Units: English				Project Development Branch JBK		Issued by the Project Development Branch July 31, 2019	Project Sheet Number:



Computer File Information		Sheet Revisions		Colorado Department of Transportation		STANDARD PLAN NO.	
Creation Date: 07/31/19		Date:	Comments:	2829 West Howard Place		M-604-11	
Designer Initials: JBK				CDOT HQ, 3rd Floor		Standard Sheet No. 1 of 1	
Last Modification Date: 07/31/19				Denver, CO 80204			
Detailer Initials: LTA				Phone: 303-757-9021 FAX: 303-757-9866		Issued by the Project Development Branch July 31, 2019	Project Sheet Number:
CAD Ver.: MicroStation V8 Scale: Not to Scale Units: English				Project Development Branch JBK			



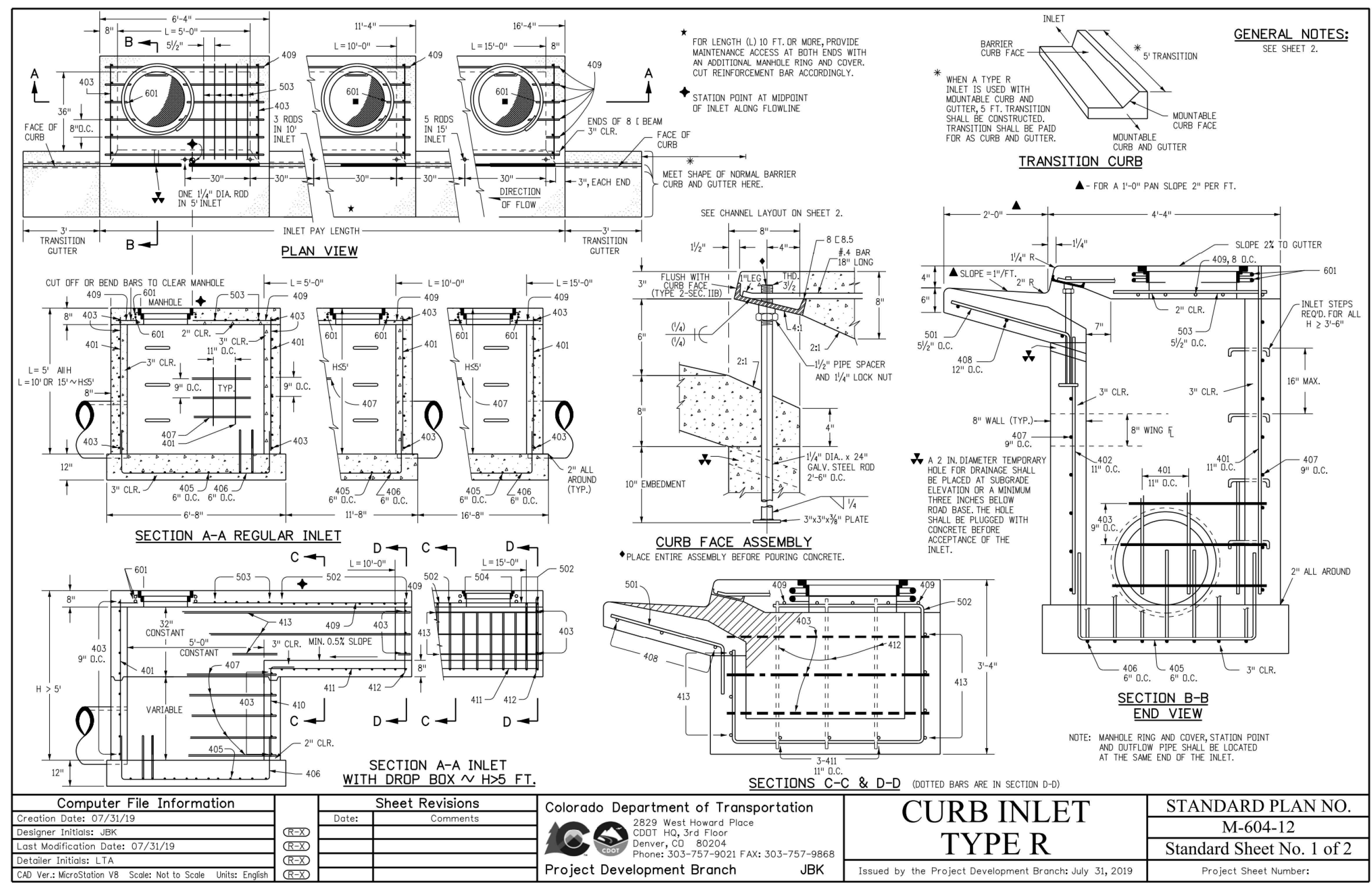
#	Date	Issue / Description	Init.

Project No: MRS01
 Drawn By: JDM
 Checked By: CMWJ
 Date: 10/20/2023

STORM DRAIN DETAILS

VR239 & SDP2336

C5.3
 Sheet 18 of 25



Computer File Information Creation Date: 07/31/19 Designer Initials: JBK Last Modification Date: 07/31/19 Detailer Initials: LTA CAD Ver.: MicroStation V8 Scale: Not to Scale Units: English	Sheet Revisions <table border="1"> <tr><th>Date:</th><th>Comments:</th></tr> <tr><td> </td><td> </td></tr> </table>	Date:	Comments:			Colorado Department of Transportation 2829 West Howard Place CDDT HQ, 3rd Floor Denver, CO 80204 Phone: 303-757-9021 FAX: 303-757-9868 Project Development Branch	CURB INLET TYPE R Issued by the Project Development Branch July 31, 2019	STANDARD PLAN NO. M-604-12 Standard Sheet No. 1 of 2 Project Sheet Number:
Date:	Comments:							

MARK	BAR # OR SIZE	D.C. SPACING	TYPE	ALL INLETS									
				INLETS L = 5 FT.		INLETS L = 10 FT.		INLETS L = 15 FT.					
				NO. REQ'D.	LENGTH	NO. REQ'D.	LENGTH	NO. REQ'D.	LENGTH				
401	4	11"	II	15	7	21	26	11	7	11	7		
402	4	11"	II	7	13	13	18	7	7	7	7		
403	4	9"	II		4'-0"		4'-0"		4'-0"		4'-0"		
405	4	6"	VI	11	6'-10"	21	6'-10"	31	6'-10"	11	6'-10"		
406	4	6"	VIII	7	8'-10"	7	13'-10"	7	8'-10"	7	8'-10"		
407	4	9"	II		5'-10"		10'-10"		5'-10"		5'-10"		
408	4	12"	II	3	6'-10"	3	11'-10"	3	11'-10"	3	11'-10"		
409	4	8"	II	6	5'-10"	6	10'-10"	6	10'-10"	6	15'-10"		
410	4	11"	VII										
411	4	11"	II						5'-2"		10'-2"		
412	4	11"	II						3		2'-9"		
413	4	9"	II						7		15'-10"		
501	5	5/2"	IV	11	3'-4"	22	3'-4"	33	3'-4"	22	3'-4"		
502	5	5/2"	III						11	11'-5"	17	11'-5"	
503	5	5/2"	II	5	3'-6"	16	3'-6"	27	3'-6"	6	3'-6"		
504	5	5/2"	IX								5	8'-4"	
601	6	2 1/2"	V	2	8'-10"	2	8'-10"	2	8'-10"	4	8'-10"		
				1	5'-10"	1	10'-10"	1	15'-10"	1	10'-10"	1	15'-10"
				2	BARS, 1 ROD	4	BARS, 3 RODS	8	BARS, 3 RODS	4	BARS, 3 RODS	8	BARS, 5 RODS

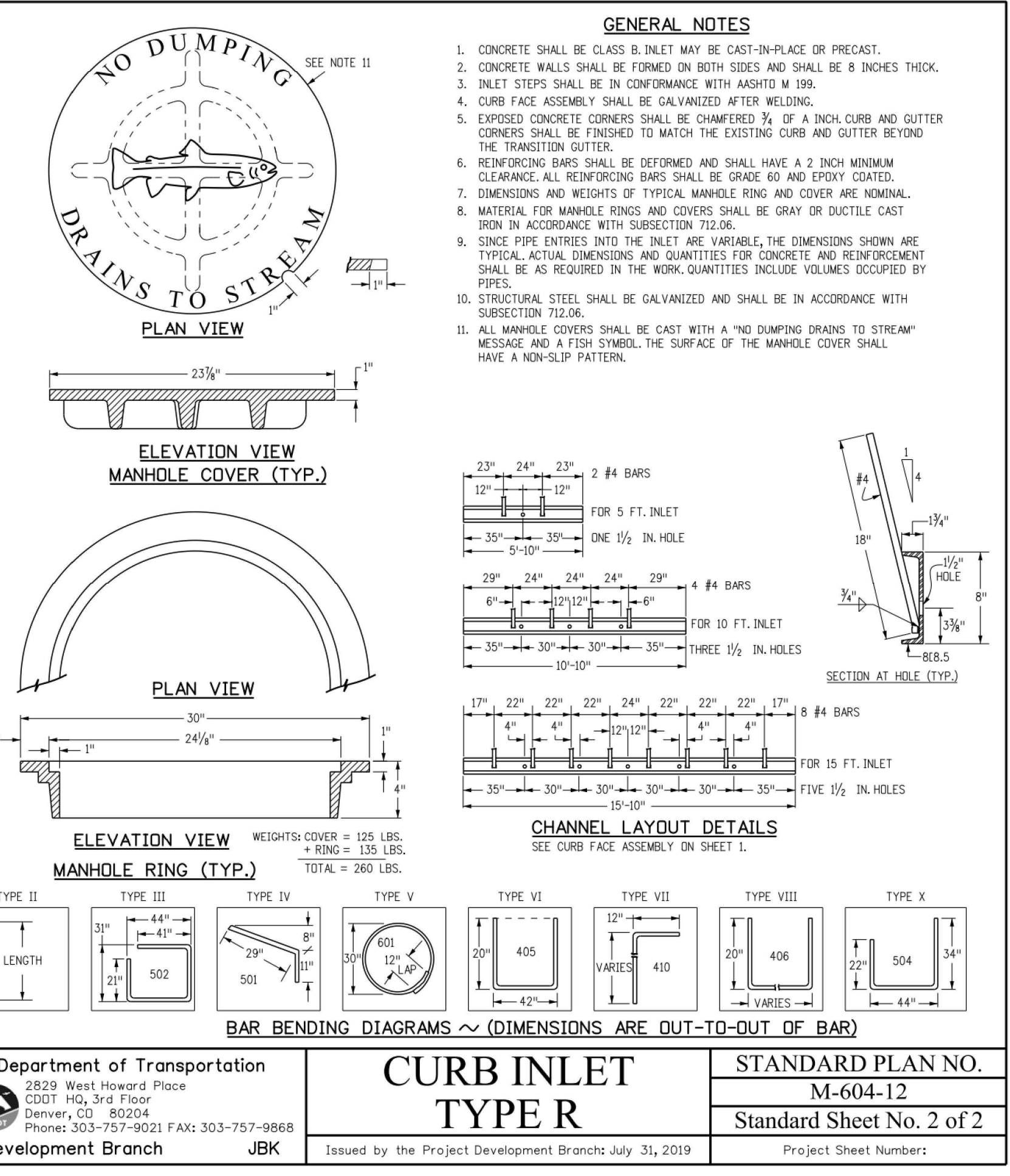
TABLE ONE ~ BAR LIST FOR CURB INLETS, TYPE "R"

"H"	LENGTH	REGULAR		DROP BOX		L = 5 FT.		L = 10 FT.		L = 15 FT.	
		REGULAR	DROP BOX	CONC. CU. YDS.	STEEL LBS.	CONC. CU. YDS.	STEEL LBS.	CONC. CU. YDS.	STEEL LBS.	CONC. CU. YDS.	STEEL LBS.
3'-0"	2'-8"	1'-8"		10	7	3.2	285	5.3	497	7.4	706
3'-6"	3'-2"	2'-2"		10	7	3.4	305	5.7	528	7.9	747
4'-0"	3'-8"	2'-8"		12	9	3.7	326	6.0	559	8.4	786
4'-6"	4'-2"	3'-2"		12	9	3.9	334	6.4	571	8.9	853
5'-0"	4'-8"	3'-8"		14	11	4.1	354	6.7	602	9.3	844
5'-6"	5'-2"	4'-2"	3'-5"	16	13	4.4	375	6.0	607	7.4	850
6'-0"	5'-8"	4'-8"	3'-11"	16	13	4.6	382	6.2	616	7.6	860
6'-6"	6'-2"	5'-2"	4'-5"	18	15	4.8	402	6.4	637	7.8	880
7'-0"	6'-8"	5'-8"	4'-11"	20	17	5.0	423	6.6	654	8.0	897
7'-6"	7'-2"	6'-2"	5'-5"	20	17	5.0	430	6.9	664	8.3	907
8'-0"	7'-8"	6'-8"	6'-11"	22	19	5.5	451	7.1	684	8.5	927
8'-6"	8'-2"	7'-2"	6'-5"	24	21	5.7	471	7.3	702	8.7	944
9'-0"	8'-8"	7'-8"	6'-11"	24	21	5.7	479	7.6	711	9.0	954
9'-6"	9'-2"	8'-2"	7'-5"	26	23	6.0	499	7.8	732	9.2	974
10'-0"	9'-8"	8'-8"	8'-11"	28	25	6.2	520	8.0	749	9.4	992
10'-6"	10'-2"	9'-2"	8'-5"	28	25	6.2	527	8.3	769	9.7	1001
11'-0"	10'-8"	9'-8"	8'-11"	30	27	6.4	547	8.5	779	9.9	1022

NOTES: FOR L = 5 FT., L = 10 FT., AND L = 15 FT.
 REGULAR INLETS TOTAL QUANTITIES NEEDED ARE OUTSIDE THE HEAVY BLACK LINE.
 DROP BOX INLETS TOTAL QUANTITIES NEEDED ARE INSIDE THE HEAVY BLACK LINE.
 STEEL WEIGHTS DO NOT INCLUDE STRUCTURAL STEEL CHANNEL.

TABLE TWO ~ BARS AND QUANTITIES VARIABLE WITH "H"

"H"	REGULAR	DROP BOX
3'-0"	401	402
3'-6"	401	402
4'-0"	401	402
4'-6"	401	402
5'-0"	401	402
5'-6"	401	402
6'-0"	401	402
6'-6"	401	402
7'-0"	401	402
7'-6"	401	402
8'-0"	401	402
8'-6"	401	402
9'-0"	401	402
9'-6"	401	402
10'-0"	401	402
10'-6"	401	402
11'-0"	401	402



Computer File Information

Creation Date: 07/31/19	Designer Initials: JBK	Last Modification Date: 07/31/19	Detailer Initials: LTA
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Sheet Revisions

Date:	Comments:

Colorado Department of Transportation

2829 West Howard Place
 CDDT HQ, 3rd Floor
 Denver, CO 80204
 Phone: 303-757-9021 FAX: 303-757-9868
Project Development Branch

CURB INLET
TYPE R
 Issued by the Project Development Branch July 31, 2019

STANDARD PLAN NO. M-604-12
 Standard Sheet No. 2 of 2
 Project Sheet Number:

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CONSTRUCTION DRAWINGS
MERIDIAN STORAGE
MERIDIAN STORAGE, LLC
VR239 & SDP2336

STATE OF COLORADO, MERIDIAN ROAD & OWL PLACE
 EL PASO COUNTY, FALCON, CO 80931

#	Date	Issue / Description	Init.

Project No: MRS01
 Drawn By: JDM
 Checked By: CMWJ
 Date: 10/20/2023

STORM DRAIN DETAILS

VR239 & SDP2336

NOTE: Bc IS THE OUTSIDE DIMENSION FOR DIAMETER, SPAN OR RISE.

PIPE INSTALLATION
(WITH 0.7 PROJECTION RATIO)

PIPE SIZE = Bc (INSIDE DIA)	CIRCULAR (CR)			VERTICAL ELLIPTICAL (VE)			HORIZONTAL ELLIPTICAL (HE)		
	WALL THICKNESS	$0.3 Bc$ (OUTSIDE DIA)	SPAN	WALL THICKNESS	0.3 OUTSIDE RISE	SPAN	WALL THICKNESS	0.3 OUTSIDE RISE	
12	2	0.40							
15	2-1/4	0.49							
18	2-1/2	0.58				23	14	2-3/4	0.49
21	2-3/4	0.66							
24	3	0.75				30	19	3-1/4	0.66
27	3-1/4	0.84				34	22	3-1/2	0.75
30	3-1/2	0.92				38	24	3-3/4	0.79
33	3-3/4	1.01							
36	4	1.10	29	45	4-1/2	45	29	4-1/2	0.95
42	4-1/2	1.28	34	53	5	53	34	5	1.10
48	5	1.45	38	60	5-1/2	60	38	5-1/2	1.23
54	5-1/2	1.62	43	68	6	68	43	6	1.38
60	6	1.80	48	76	6-1/2	76	48	6-1/2	1.53
66	6-1/2	1.97	53	83	7	83	53	7	1.68
72	7	2.15	58	91	7-1/2	91	58	7-1/2	1.83
78	7-1/2	2.32	63	98	8	98	63	8	1.98
84	8	2.50	68	106	8-1/2	106	68	8-1/2	2.13
90	8-1/2	2.68	72	113	9	113	72	9	2.25
96	9	2.85	77	121	9-1/2	121	77	9-1/2	2.40
102	9-1/2	3.02	82	128	9-3/4	128	82	9-3/4	2.54
108	10	3.20	87	136	10	136	87	10	2.68

△ ALSO EQUIVALENT ROUND DIMENSION FOR ELLIPTICAL PIPE.

DIMENSIONS FOR REINFORCED CONCRETE PIPE
(FOR INFORMATION ONLY)

CONCRETE PIPE WITH END SECTIONS
NOTE: USE THE H THAT IS GREATER FOR MAXIMUM ALLOWABLE FILL HEIGHT.
 H = HEIGHT OF FILL OVER TOP OF PIPE, INCLUDING PAVEMENT THICKNESS.
 L1 = LENGTH OF PIPE TO BE MEASURED WHEN PLACED IN ACCORDANCE WITH SECTION 624.
 L2 = LENGTH OF PIPE TO BE MEASURED WHEN PLACED IN ACCORDANCE WITH SECTION 603.

CONCRETE PIPE WITHOUT END SECTIONS
NOTE: USE THE H THAT IS GREATER FOR MAXIMUM ALLOWABLE FILL HEIGHT.

MINIMUM COVER FOR RIGID PIPE
12" MIN.

TYPE OF PIPE	HEIGHT OF FILL OVER TOP OF PIPE, H (FEET)					
	CLASS OF PIPE (0.01 IN. CRACK D-L-LOAD)					
	CLASS CIR II	CLASS CIR III	CLASS CIR IV	CLASS CIR V	CLASS CIR VI	CLASS VE VI
CIRCULAR (CR)	1 TO 18	1 TO 25	± 25 TO 37	± 37 TO 45		
VERTICAL ELLIPTICAL (VE)	1 TO 18	1 TO 25	± 25 TO 37	± 37 TO 45	± 45 TO 62	
HORIZONTAL ELLIPTICAL (HE)	1 TO 18	1 TO 25	± 25 TO 37			

ALLOWABLE RANGE OF HEIGHTS FOR FILL OVER REINFORCED CONCRETE PIPE
(ALL SIZES)

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Colorado Department of Transportation 2829 West Howard Place CO DOT HQ, 5th Floor Denver, CO 80204 Phone: 303-757-9021 FAX: 303-757-9866
Project Development Branch JBK

REINFORCED CONCRETE PIPE	
STANDARD PLAN NO. M-603-2	
Standard Sheet No. 1 of 1	
Issued by the Project Development Branch July 31, 2019 Project Sheet Number:	

PLAN VIEW TYPE 13 INLET FOR GUTTER TYPE 2

SECTION A-A
D MAX = 30 IN FOR H > 4 FT.

SECTION B-B
D MAX = 18 IN FOR ALL H

SECTION C-C

SECTION D-D

SECTION E-E
APPROXIMATE WEIGHT = 590 LBS.

SECTION F-F

BENDING DIAGRAMS
ALL DIMENSIONS ARE OUT-TO-OUT OF BAR.

GENERAL NOTES

- CONCRETE SHALL BE CLASS B. INLET MAY BE CAST-IN-PLACE OR PRECAST.
- CAST-IN-PLACE CONCRETE WALLS SHALL BE FORMED IN BOTH SIDES.
- EXPOSED CONCRETE CORNERS SHALL BE CHAMFERED 3/8" IN.
- REINFORCING BARS SHALL BE DEFORMED #4 AND SHALL HAVE A 2 IN. MINIMUM CLEARANCE. ALL REINFORCING BARS SHALL BE EPOXY COATED.
- STEPS SHALL BE PROVIDED WHEN INLET DIMENSION "H" IS EQUAL TO OR GREATER THAN 3 FT.-6 IN. AND SHALL CONFORM TO AASHTO M 199.
- ALL GRATES AND FRAMES SHALL BE GRAY OR DUCTILE CAST IRON IN ACCORDANCE WITH SUBSECTION 712.06. GRATES AND FRAMES SHALL BE DESIGNED TO WITHSTAND HS 20 LOADING.
- STATION POINT IS AT THE CENTER OF THE INLET.
- GRATE SHALL HAVE "DAMP NO WASTE DRAINS TO STREAM" MESSAGE CAST ON SURFACE.

H	CONCRETE		NO. OF REINFORCING STEEL	MAXIMUM PIPE I.D.	
	CONC. VOLS.	Ø LB.		SEC. A-A	SEC. B-B
3'-0"	1.3	72	4	18	18
3'-6"	1.5	76	4	24	18
4'-0"	1.6	90	5	30	18
4'-6"	1.8	104	6	30	18
5'-0"	1.9	109	6	30	18
5'-6"	2.1	122	7	30	18
6'-0"	2.2	136	8	30	18
6'-6"	2.4	141	8	30	18
7'-0"	2.5	154	9	30	18
7'-6"	2.7	168	10	30	18
8'-0"	2.8	173	10	30	18
8'-6"	3.0	187	11	30	18
9'-0"	3.1	200	12	30	18
9'-6"	3.3	205	12	30	18
10'-0"	3.4	219	13	30	18

Ø INCLUDES 1% FOR OVERLAP.
 NOTE: CONCRETE QUANTITIES INCLUDE VOLUME OCCUPIED BY PIPE.
QUANTITIES FOR ONE INLET

MARK	NO. REQ'D.	DIMENSIONS	LENGTH	
401	4	3'-6"	2'-2"	13'-4"
402	2	3'-4 1/2"	* 2'-6 1/2"	8'-0 1/2"
403	5	2'-1/2"	* 2'-7"	7'-2 1/2"

* ADD 6 IN. TO THIS DIMENSION FOR EACH 6 IN. INCREASE OF "H" OVER 3 FT.-0 IN.

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Date:	Comments:

Colorado Department of Transportation 4201 East Arkansas Avenue Denver, Colorado 80222 Phone: (303) 757-9053 Fax: (303) 757-9820
Project Development Branch DD/LTA

CONCRETE INLET TYPE 13	
STANDARD PLAN NO. M-604-13	
Sheet No. 1 of 1	
Issued By: Project Development Branch July 4, 2012	

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CONSTRUCTION DRAWINGS
MERIDIAN STORAGE
MERIDIAN STORAGE, LLC
VR239 & SDP2336

STATE OF COLORADO, MERIDIAN ROAD & OWL PLACE
 EL PASO COUNTY, FALCON, CO 80931

STEEL GRATE QUANTITIES

NO. PIECES	DESCRIPTION	LENGTH PER FT.	WEIGHT (LBS.)
4	S4 x 7.7 BEAM	41"	7.90
2	3 1/2" x 1/4" FLAT	26 1/2"	2.98
2	3" x 1/2" FLAT	26 1/2"	2.55
		TOTAL	13.43

QUANTITIES FOR ONE INLET

H	CONCRETE (CU. YDS.)	STEEL (LBS.)	NO. STEPS REQ'D.
2'-6"	1.0	76	0
3'-0"	1.1	81	0
3'-6"	1.2	87	0
4'-0"	1.3	102	1
4'-6"	1.5	117	2
5'-0"	1.6	123	2
5'-6"	1.7	138	2
6'-0"	1.9	143	3
6'-6"	2.0	159	3
7'-0"	2.1	184	3
7'-6"	2.2	190	4
8'-0"	2.4	185	4
8'-6"	2.5	200	4
9'-0"	2.6	206	5
9'-6"	2.8	221	5
10'-0"	2.9	236	6
11'-6"	3.3	252	6

INLET WITH DITCH PAVING

INLET ON GRADE (FLOW FROM ONE DIRECTION)

INLET CONNECTED TO A CROSS PIPE

INLET CONNECTED TO A SKEWED CROSS PIPE

CONCRETE INLET

STANDARD INLET GRATE

CLOSE MESH INLET GRATE

GENERAL NOTES

- INLET TYPE C IS NOT HS-20 RATED AND SHALL NOT BE PLACED IN PAVED ROADWAYS. THIS INLET SHALL BE USED ONLY OUTSIDE PAVED ROADWAYS.
- CONCRETE SHALL BE CLASS B. INLET MAY BE CAST-IN-PLACE OR PRECAST.
- REINFORCING BARS SHALL BE GRADE 60, EPOXY COATED, AND DEFORMED #4, AND SHALL HAVE A MIN. 2 INCH CLEARANCE. CUT OR BEND AROUND PIPES AS REQUIRED.
- CONCRETE SLOPE AND DITCH PAVING SHALL BE IN ACCORDANCE WITH SECTION 507. REINFORCEMENT FOR CONCRETE SLOPE PAVING SHALL BE 6 X 6 - W14 X W14 OR 6 X 6 - W21 X W21.
- STRUCTURAL STEEL FOR GRATES AND GRATE INSTALLATION HARDWARE SHALL BE GALVANIZED, AND SHALL BE IN ACCORDANCE WITH SUBSECTION 712.06.
- THE STANDARD INLET GRATES SHALL BE USED ON ALL TYPE C INLETS UNLESS CLOSE MESH INLET GRATES ARE SPECIFIED ON THE PLANS.
- CLOSE MESH GRATES ARE RECOMMENDED WHERE FOOT TRAFFIC OR BICYCLE ROUTES ARE IN CLOSE PROXIMITY TO GRATE. THIS GRATE IS NOT ADA COMPLIANT OR BIKE PATH FRIENDLY AND SHALL NOT BE PLACED DIRECTLY IN SIDEWALKS, CROSSWALKS OR BIKE PATHS.
- STEPS SHALL BE PROVIDED WHEN INLET DIMENSION "H" IS EQUAL TO OR GREATER THAN 3 FEET - 6 INCHES AND SHALL CONFORM TO AASHTO M 199.
- SEE STANDARD PLAN M-604-11 FOR REINFORCEMENT AROUND THE PIPE OPENING.
- ALL INLETS SHALL HAVE A 4 INCH DIA. MEDALLION WITH A "NO DUMPING DRAINS TO STREAM" MESSAGE ON IT. THE MEDALLION SHALL HAVE A FISH SYMBOL WITH A BLUE BACKGROUND. IT SHALL BE FIRMLY ATTACHED TO THE TOP OF THE INLET WITH A PERMANENT FASTENER.

BAR LIST FOR H = 2 FT. - 6 IN. AND BENDING DIAGRAM

MARK	NO. REQ'D.	HEIGHT	LENGTH
401	2	2'-2 1/2"	8'-0"
401	6	2'-7"	8'-8"
402	4	10"	15'-4"

10" INCREASE DIMENSION 6 IN. FOR EACH 6 IN. INCREASE OF "H" ABOVE 2 FT. - 6 IN.

ADD ONE BAR FOR EACH FT. INCREASE OF "H" ABOVE 2 FT. - 6 IN.

402 BARS SHALL BE EQUALLY SPACED FROM EACH OTHER.

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Detailer: LTA		Phone: 303-757-9021 FAX: 303-757-9868	
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Project No: MRS01
 Drawn By: JDM
 Checked By: CMWJ
 Date: 10/20/2023

STORM DRAIN DETAILS

VR239 & SDP2336

SITE LEGEND	
	PROJECT BOUNDARY LINE
	ADJACENT PROPERTY BOUNDARY LINE
	RIGHT OF WAY LINE
	EXISTING ADJACENT LOT LINE
	PROPOSED LOT LINE
	EXISTING EASEMENT LINE
	PROPOSED EASEMENT LINE
	PROPOSED ROAD CENTERLINE
	EXISTING ROAD CENTERLINE
	PROPOSED RIDGE LINE
	PROPOSED SWALE LINE
	EXISTING SWALE LINE
	100YR FLOODPLAIN BOUNDARY
	EXISTING FENCE
	PROPOSED FENCE
	EXISTING GUARDRAIL
	PROPOSED CURB AND GUTTER
	EXISTING CURB AND GUTTER
	EXISTING EDGE OF ASPHALT
	PROPOSED SIDEWALK
	PROPOSED TRAIL
	PROPOSED GRAVEL PER ECM TABLE D-7
	RIPRAP OUTFALL PADS
	EXISTING SIGN
	PROPOSED SIGN
	PROPOSED BOLLARDS

GRADING LEGEND	
	EXISTING MAJOR CONTOUR
	EXISTING MINOR CONTOUR
	PROPOSED MAJOR CONTOUR
	PROPOSED MINOR CONTOUR
	EXISTING SLOPE - PERCENT
	EXISTING SLOPE - RISE/RUN
	PROPOSED SLOPE - PERCENT
	PROPOSED SLOPE - RISE/RUN
	PROPOSED SPOT ELEVATION - HIGH POINT
	PROPOSED SPOT ELEVATION - LOW POINT
	PROPOSED SPOT ELEVATION - TOP OF BERM
	PROPOSED SPOT ELEVATION - FLOW LINE
	PROPOSED SPOT ELEVATION - TOP OF GRATE
	PROPOSED SPOT ELEVATION - FINISHED GRADE
	PROPOSED SPOT ELEVATION - SIDEWALK
	PROPOSED SPOT ELEVATION - EDGE OF CONCRETE
	PROPOSED SPOT ELEVATION - EDGE OF ASPHALT
	PROPOSED SPOT ELEVATION - MATCH EXISTING

UTILITY LEGEND	
	EXISTING WATER LINE
	PROPOSED WATER LINE
	EXISTING SANITARY SEWER
	PROPOSED SANITARY SEWER
	PROPOSED STORM SEWER
	EXISTING GAS LINE
	PROPOSED GAS LINE
	EXISTING UNDERGROUND TELEPHONE
	EXISTING OVERHEAD ELECTRIC
	EXISTING FIBER OPTIC LINE
	EXISTING TELEPHONE PEDESTAL
	EXISTING ELECTRIC TRANSFORMER
	EXISTING POWER POLE
	EXISTING STREET LIGHT
	PROPOSED STREET LIGHT
	PROPOSED WATER METER
	EXISTING WATER VALVE
	PROPOSED WATER VALVE
	EXISTING FIRE HYDRANT
	PROPOSED FIRE HYDRANT
	EXISTING STORM SEWER MANHOLE
	PROPOSED STORM SEWER MANHOLE
	EXISTING SANITARY SEWER MANHOLE
	PROPOSED SANITARY SEWER MANHOLE

BASIS OF BEARING
 ALL BEARINGS ARE GRID BEARINGS OF THE COLORADO STATE PLANE COORDINATE SYSTEM, CENTRAL ZONE, NORTH AMERICAN DATUM 1983. BEARINGS ARE BASED ON THE SOUTH LINE OF LOTS 2, 3, & 4 OF FALCON RANCHETTES, AND IS CONSIDERED TO BEAR S89°40'45"W. DEFINED BY FOUND MONUMENTS AS FOLLOWS: A NO. 4 REBAR WITH A 1-1/4" YELLOW PLASTIC CAP STAMPED "LS 2372", BEING THE SOUTHWEST CORNER OF LOT 2; AND A NO. 4 REBAR WITH A 1-1/4" YELLOW PLASTIC CAP STAMPED "LS 2372", BEING THE SOUTHWEST CORNER OF LOT 4.

BENCHMARK
 THE SOUTHWEST CORNER OF LOT 1 WOODMEN HILLS FILING NO. 4, MONUMENTED BY A NO. 4 REBAR WITH A YELLOW PLASTIC CAP STAMPED "PLS 24984" NAVD88 ELEVATION = 6947.67

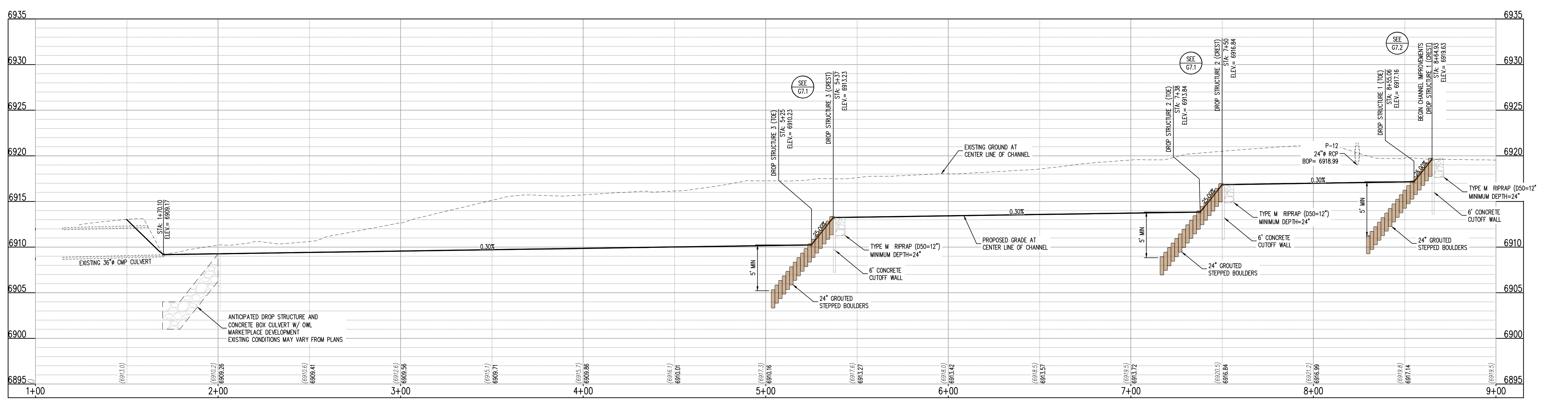
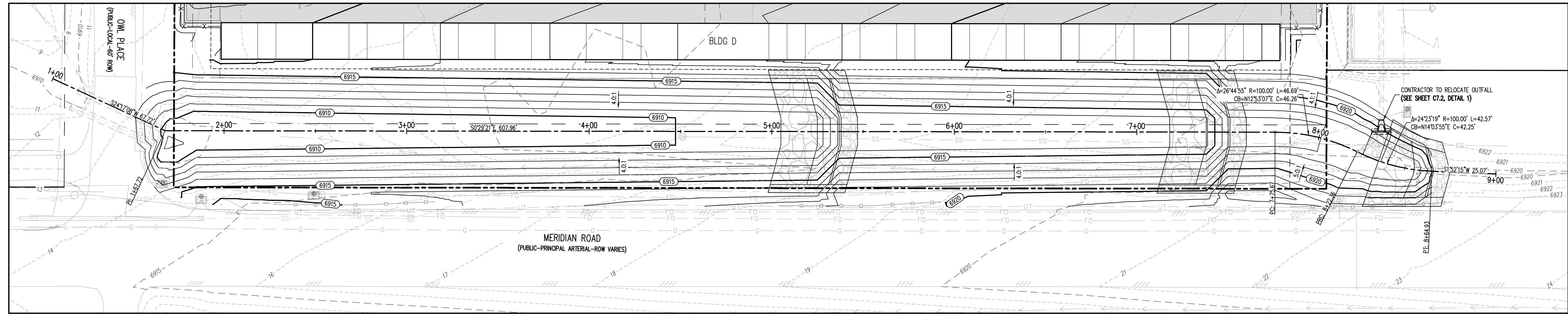
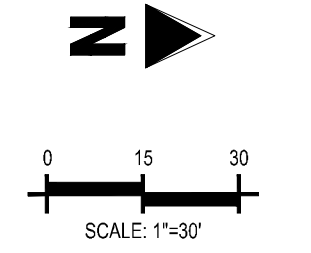
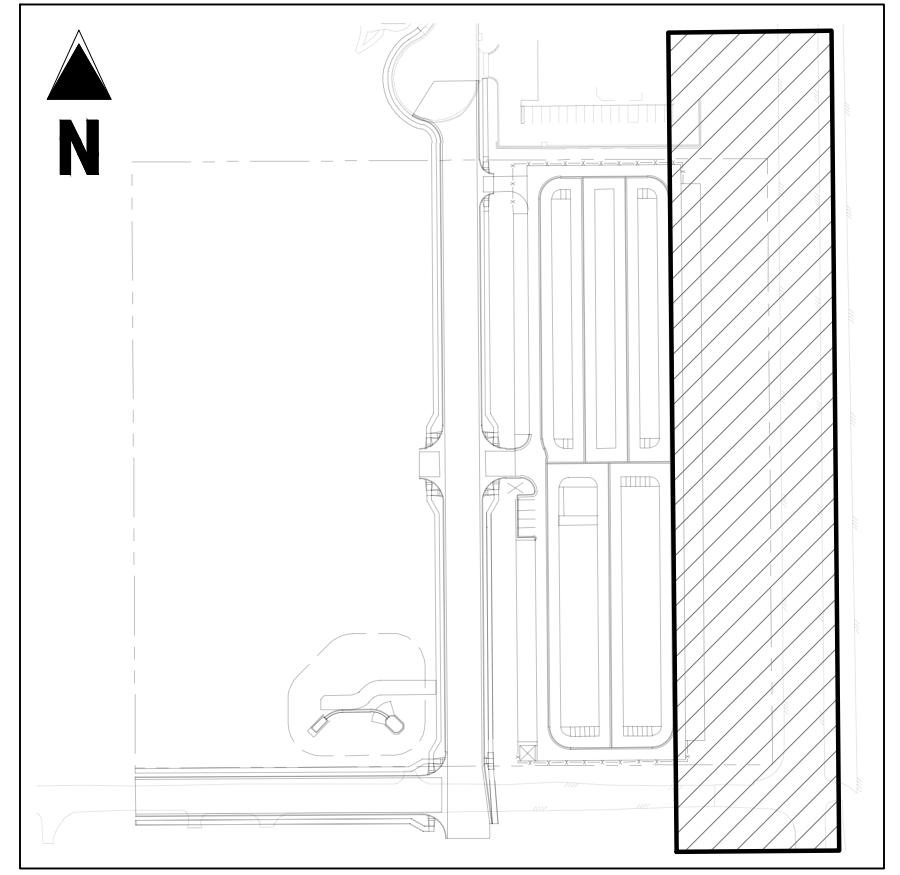
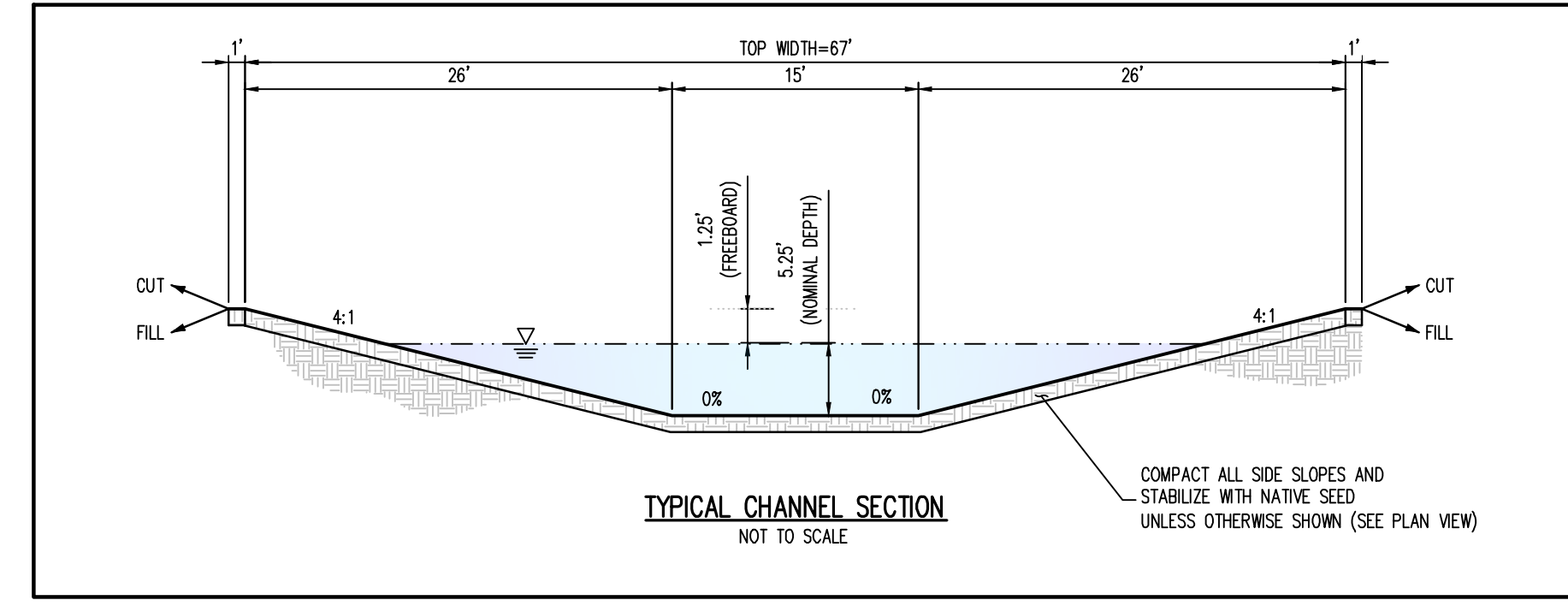
NOTE: CONTRACTOR SHALL PROTECT ALL EXISTING SURVEY MONUMENTATION. CONTRACTOR SHALL HAVE LICENSED SURVEYOR REPLACE ANY DAMAGED OR DISTURBED MONUMENTATION AT THEIR COST.

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.

CAUTION - NOTICE TO CONTRACTOR

1. ALL UTILITY LOCATIONS SHOWN ARE BASED ON MAPS PROVIDED BY THE APPROPRIATE UTILITY COMPANY AND FIELD SURFACE EVIDENCE AT THE TIME OF SURVEY AND IS TO BE CONSIDERED AN APPROXIMATE LOCATION ONLY. IT IS THE CONTRACTOR'S RESPONSIBILITY TO FIELD VERIFY THE LOCATION OF ALL UTILITIES, PUBLIC OR PRIVATE, WHETHER SHOWN ON THE PLANS OR NOT, PRIOR TO CONSTRUCTION. REPORT ANY DISCREPANCIES TO THE ENGINEER PRIOR TO CONSTRUCTION.

2. WHERE A PROPOSED UTILITY CROSSES AN EXISTING UTILITY, IT IS THE CONTRACTOR'S RESPONSIBILITY TO FIELD VERIFY THE HORIZONTAL AND VERTICAL LOCATION OF SUCH EXISTING UTILITY, EITHER THROUGH POT-HOLING OR ALTERNATIVE METHOD. REPORT INFORMATION TO THE ENGINEER PRIOR TO CONSTRUCTION.



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CONSTRUCTION DRAWINGS
 MERIDIAN STORAGE
 MERIDIAN STORAGE, LLC
 VR239 & SDP2336

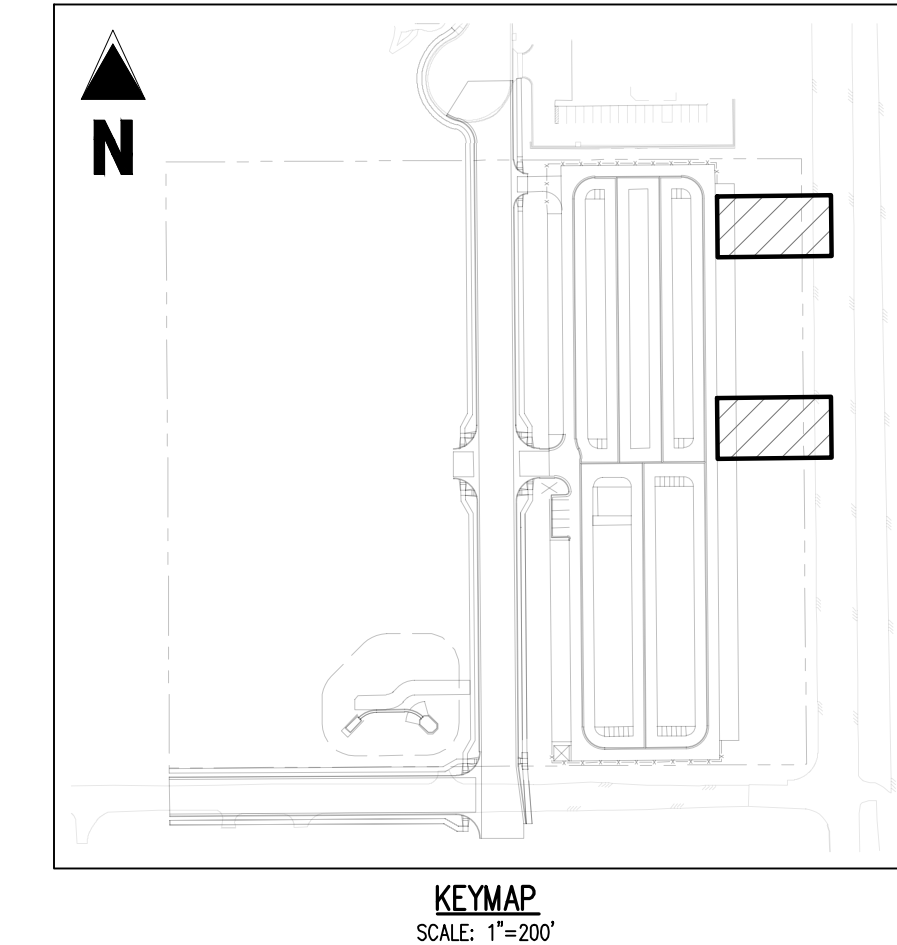
STATE OF COLORADO, MERIDIAN ROAD & OWL PLACE
 EL PASO COUNTY, FALCON, CO 80931

#	Date	Issue / Description	Init.

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 Drawn By: JDM
 Checked By: CMWJ
 Date: 10/20/2023

CHANNEL PLAN & PROFILE

VR239 & SDP2336



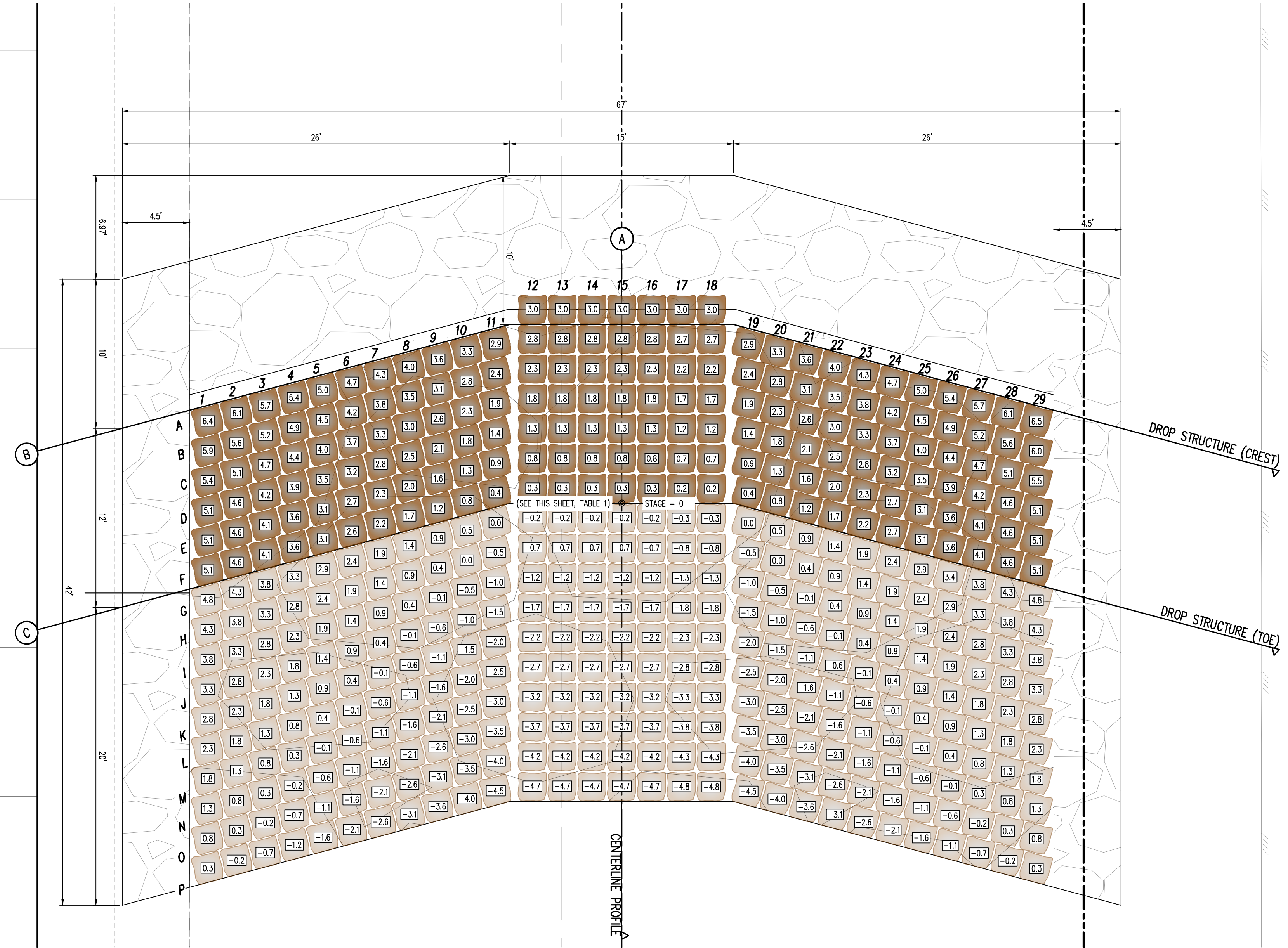
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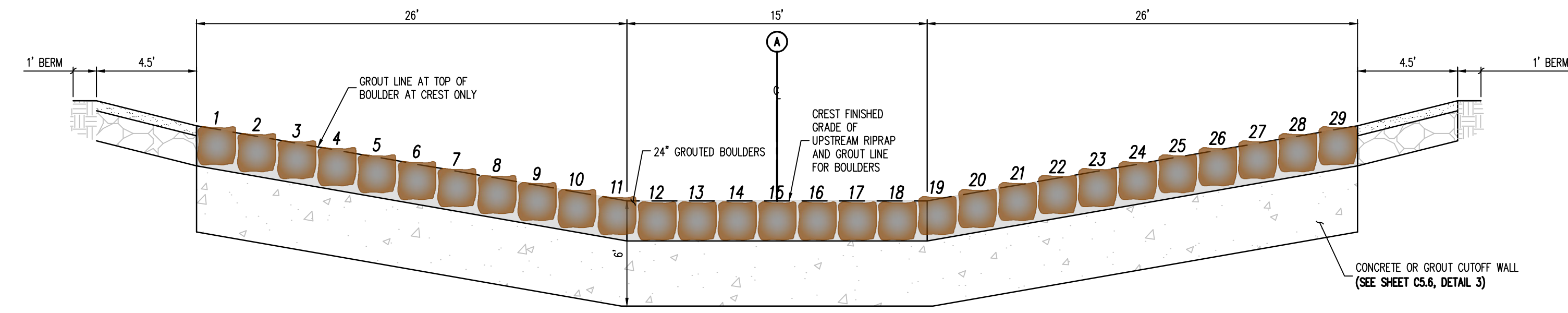
DROP STRUCTURE #2	6913.84
DROP STRUCTURE #3	6910.23
NOTE: STAGE=0 IS LOCATED AT THE TIDE OF CHANNEL ALONG THE CENTER LINE ALIGNMENT. CONTRACTOR SHALL ENSURE ELEVATIONS ABOVE MATCH THE ELEVATIONS SHOWN ON PLAN & PROFILE SHEETS (06.1)	

NOTES:

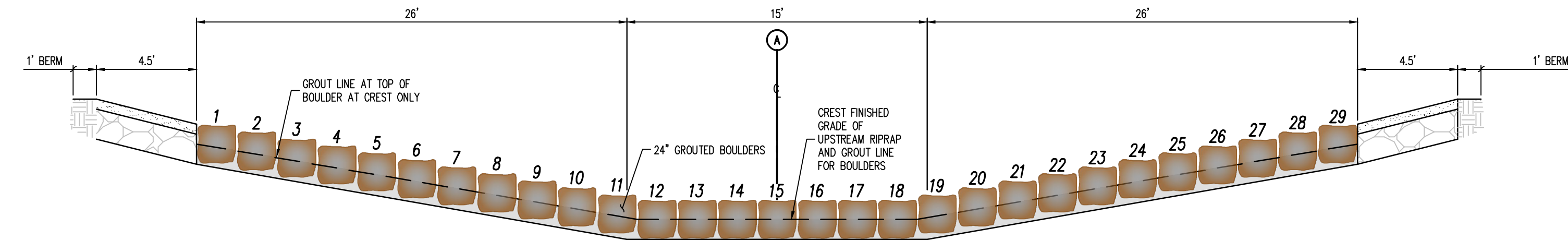
1. PLACE BOULDERS AS TIGHTLY TOGETHER AS POSSIBLE (WITHOUT TOUCHING) WHILE PROVIDING ENOUGH ROOM BETWEEN THEM TO THOROUGHLY VIBRATE THE GROUT AND TO ENSURE NO GAPS IN THE GROUT. THE SMALL DIMENSION OF A 2X4 CAN BE USED AS A GUIDE TO CHECK MINIMUM SPACING.
2. BEFORE GROUTING, CLEAN ALL DIRT AND MATERIAL FROM ROCK THAT COULD PREVENT THE GROUT FROM BINDING TO THE ROCK. KEEP BOULDERS FROM TOUCHING. AVOID SLIDING BOULDERS AGAINST SUBGRADE TO PROPERLY POSITION.
3. DUE TO VARIABILITY IN BOULDER SIZES, THE LAYOUT PROVIDED ON THIS DETAIL MAY NOT MATCH THE COMPLETED LAYOUT IN CONSTRUCTION.
4. REFER TO SHEET C7.3 FOR ADDITIONAL GROUTED BOULDER PLACEMENT NOTES AND SPECIFICATIONS.



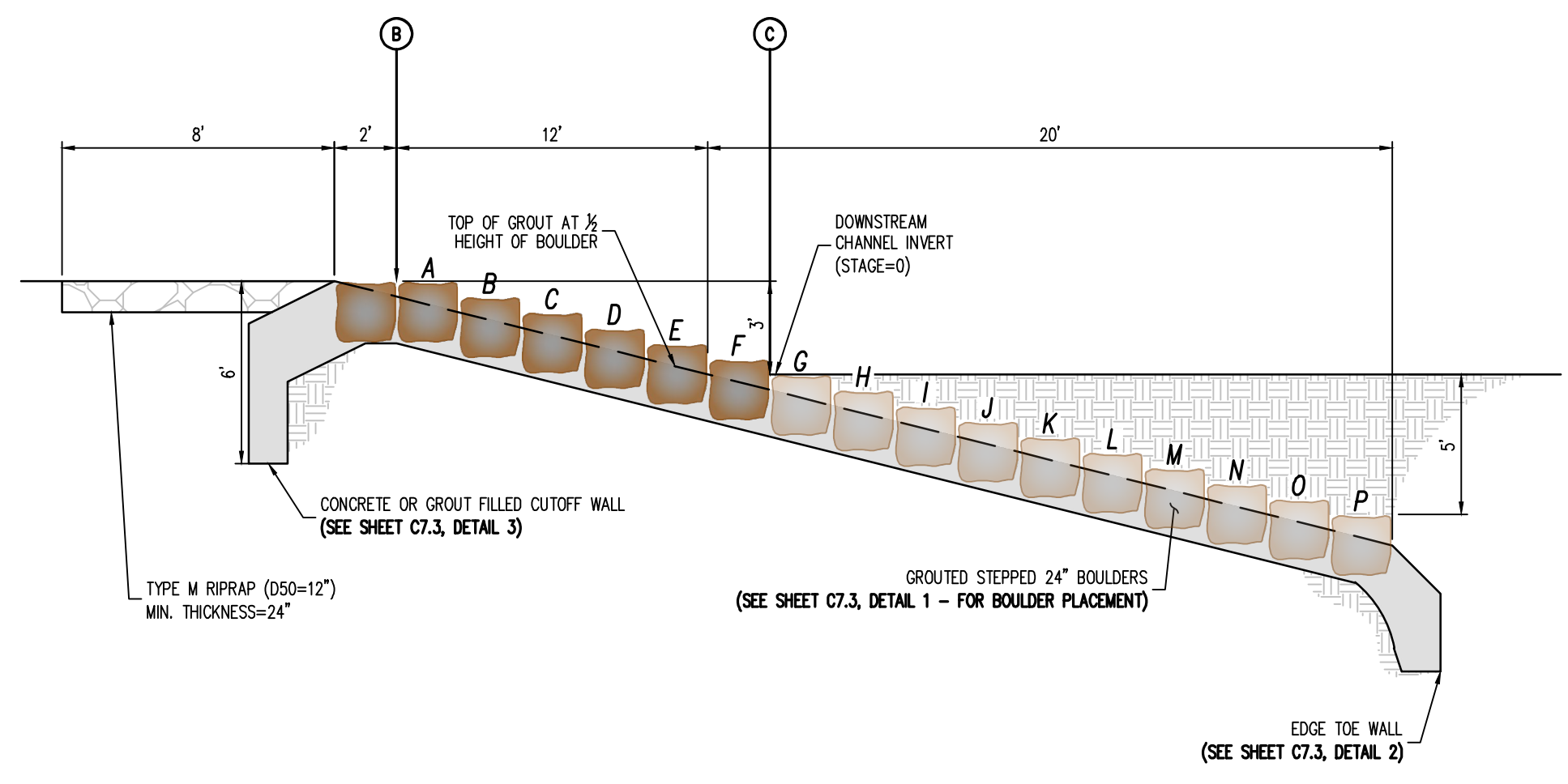
1 DROP STRUCTURE (#2, #3) - PLAN VIEW
 SCALE: 1"=5'



3 DROP STRUCTURE (#2, #3) - PROFILE VIEW (SECTION B)
 NOT TO SCALE



4 DROP STRUCTURE (#2, #3) - PROFILE VIEW (SECTION C)
 NOT TO SCALE



2 DROP STRUCTURE (#2, #3) - PROFILE VIEW (SECTION A)
 NOT TO SCALE

CONSTRUCTION DRAWINGS
MERIDIAN STORAGE
MERIDIAN STORAGE, LLC
VR239 & SDP2336
 STATE OF COLORADO, MERIDIAN ROAD & OWL PLACE
 EL PASO COUNTY, FALCON, CO 80931

#	Date	Issue / Description	Init.

Project No: MRS01
 Drawn By: JDM
 Checked By: CMWJ
 Date: 10/20/2023

DROP STRUCTURE 2 & 3
DETAILS

VR239 & SDP2336

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MERIDIAN STORAGE
MERIDIAN STORAGE, LLC
VR239 & SDP2336

STATE OF COLORADO, MERIDIAN ROAD & OWL PLACE
 EL PASO COUNTY, FALCON, CO 80931

#	Date	Issue / Description	Init.

Project No:	MRS01
Drawn By:	JDM
Checked By:	CMWJ
Date:	10/20/2023

DROP STRUCTURE 1
 DETAILS

VR239 & SDP2336

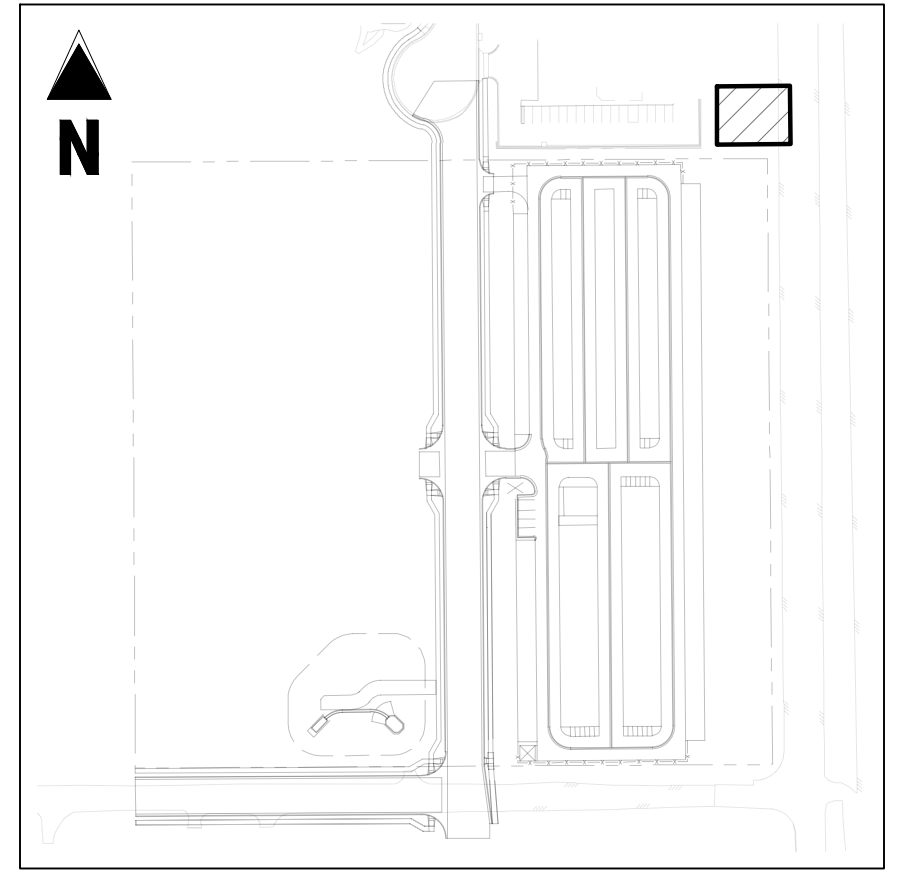
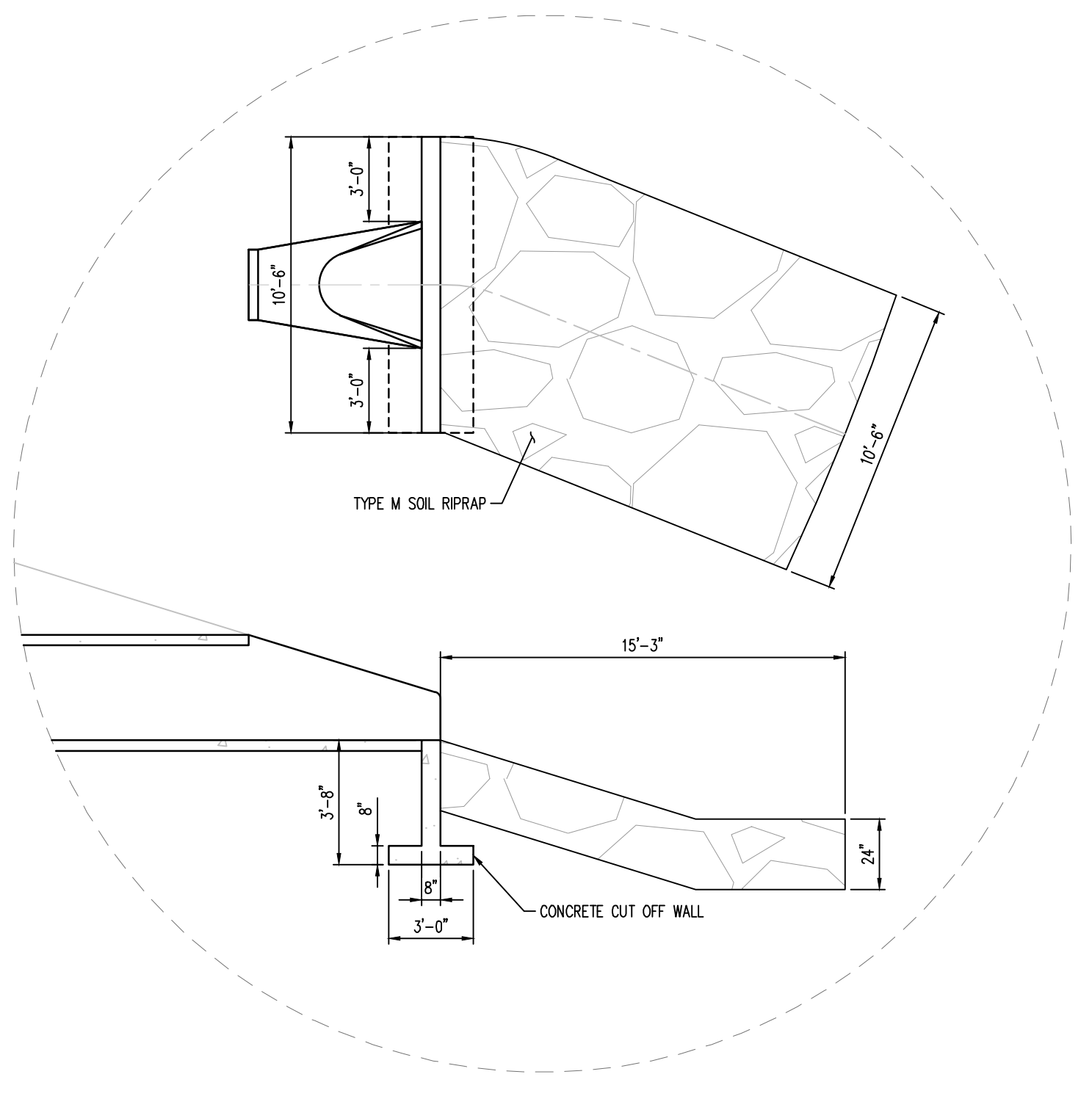
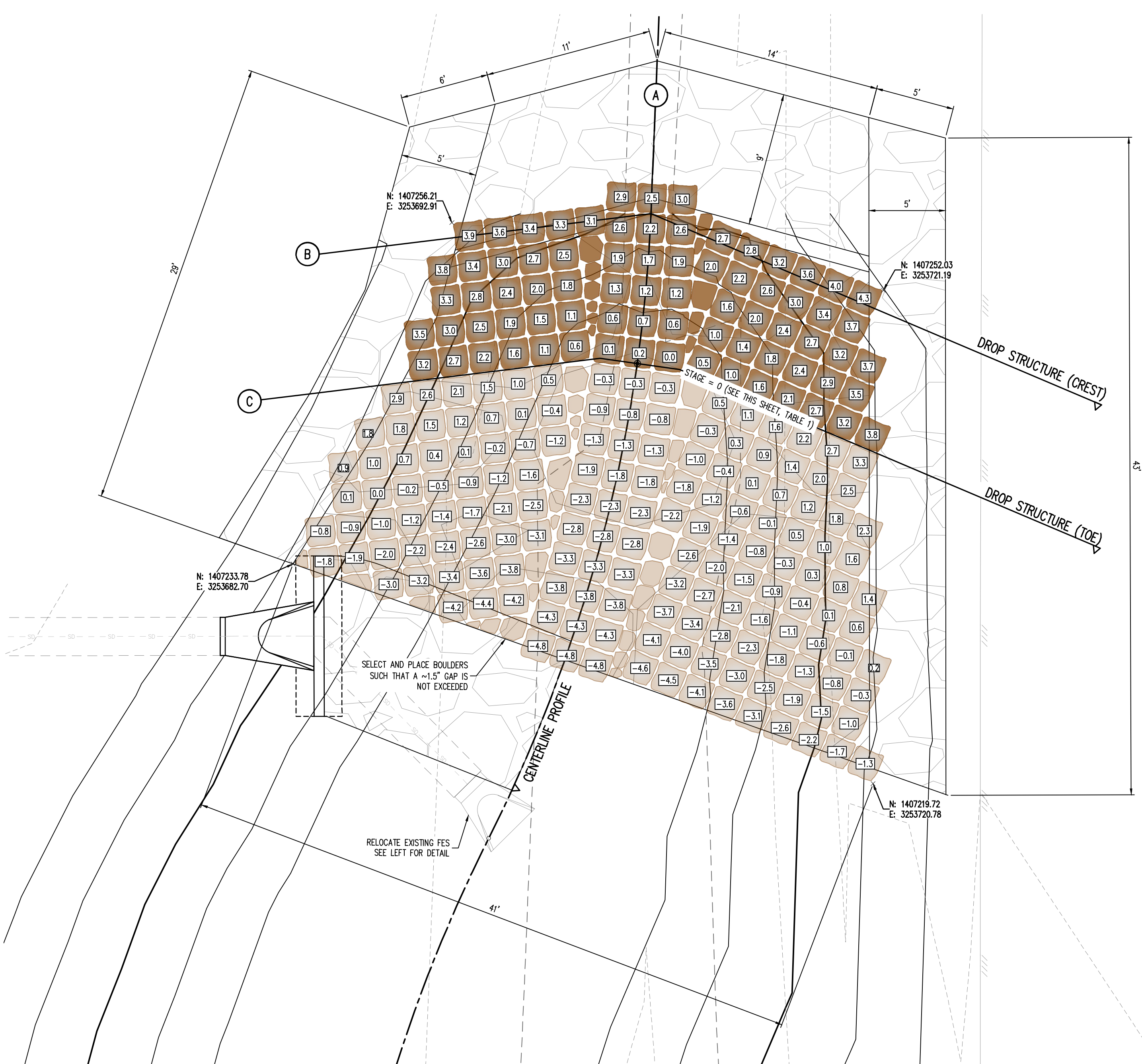


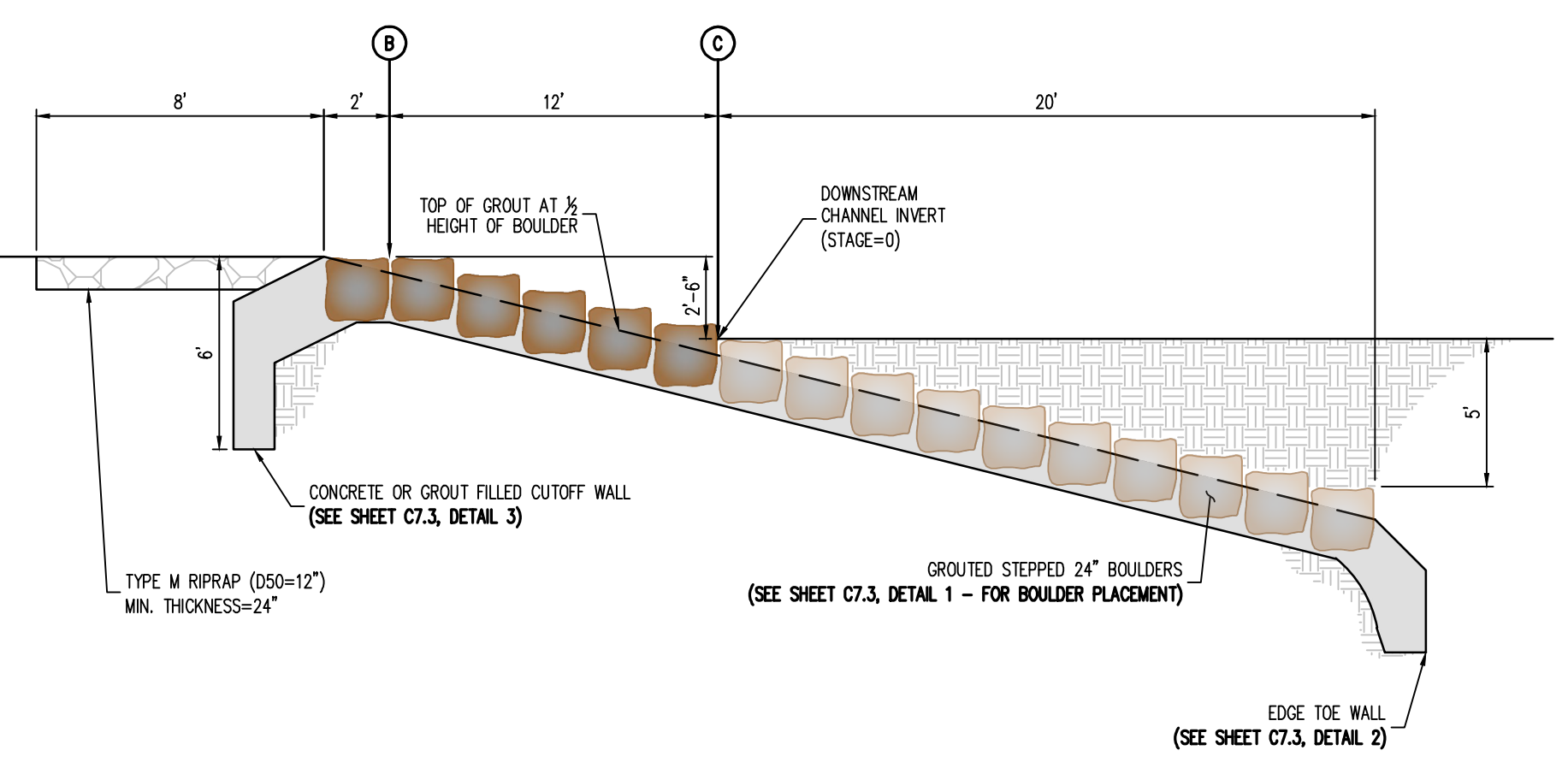
TABLE 1: DROP STRUCTURE STAGE ELEVATIONS

DROP STRUCTURE #1	6917.16
NOTE: STAGE=0 IS LOCATED AT THE TOE OF CHANNEL ALONG THE CENTER LINE ALIGNMENT. CONTRACTOR SHALL ENSURE ELEVATIONS ABOVE MATCH THE ELEVATIONS SHOWN ON PLAN & PROFILE SHEETS (06.1)	

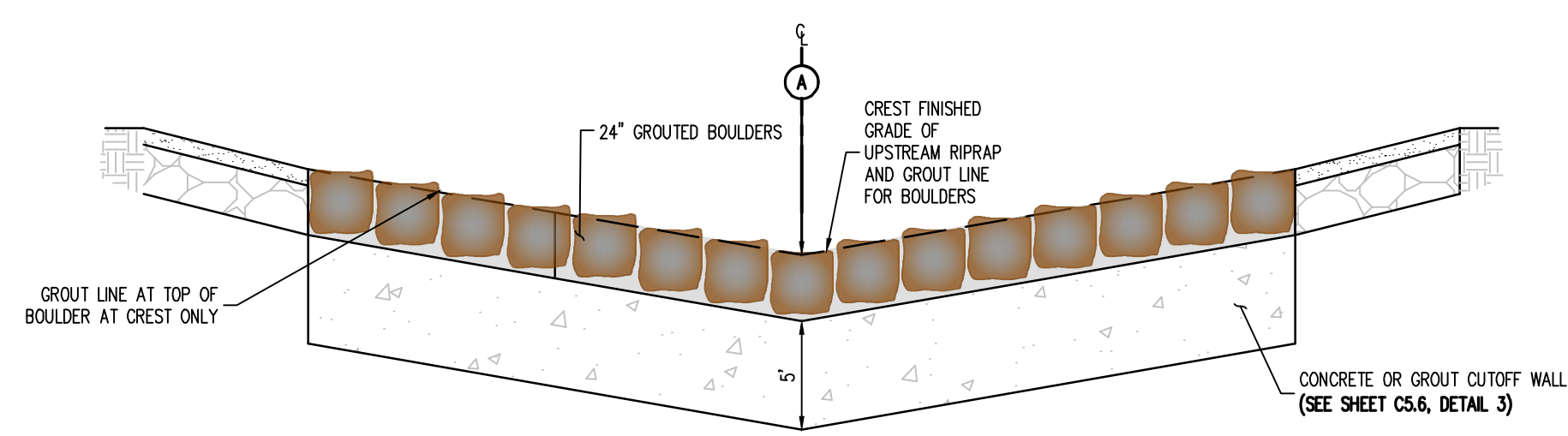
- NOTES:**
- PLACE BOULDERS AS TIGHTLY TOGETHER AS POSSIBLE (WITHOUT TOUCHING) WHILE PROVIDING ENOUGH ROOM BETWEEN THEM TO THOROUGHLY VIBRATE THE GROUT AND TO ENSURE NO GAPS IN THE GROUT. THE SMALL DIMENSION OF A 2X4 CAN BE USED AS A GUIDE TO CHECK MINIMUM SPACING.
 - BEFORE GROUTING, CLEAN ALL DIRT AND MATERIAL FROM ROCK THAT COULD PREVENT THE GROUT FROM BINDING TO THE ROCK. KEEP BOULDERS FROM TOUCHING. AVOID SLIDING BOULDERS AGAINST SUBGRADE TO PROPERLY POSITION.
 - DUE TO VARIABILITY IN BOULDER SIZES, THE LAYOUT PROVIDED ON THIS DETAIL MAY NOT MATCH THE COMPLETED LAYOUT IN CONSTRUCTION.
 - REFER TO SHEET C7.3 FOR ADDITIONAL GROUTED BOULDER PLACEMENT NOTES AND SPECIFICATIONS.



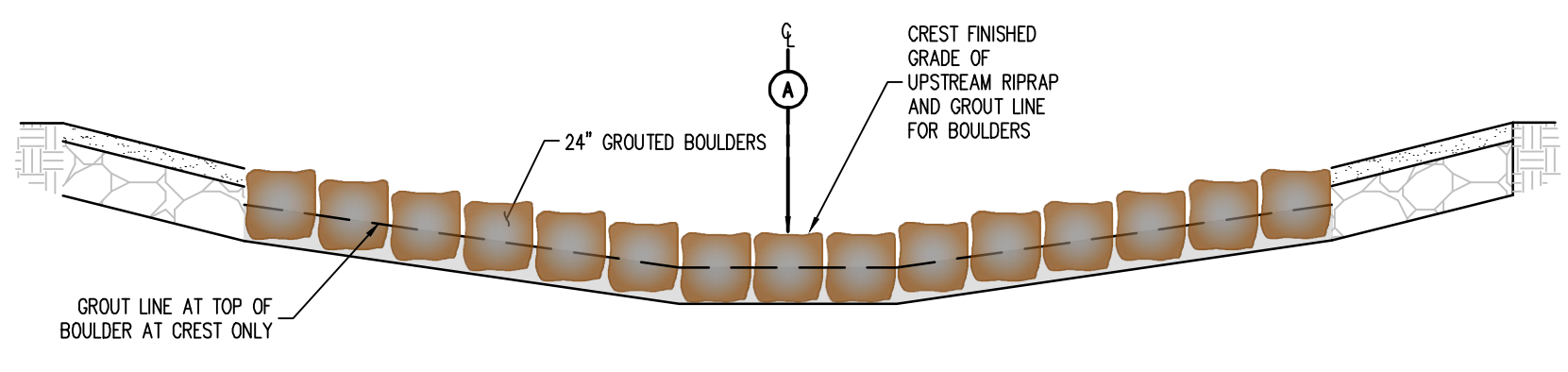
1 DROP STRUCTURE (#1) - PLAN VIEW
 SCALE: 1"=5'



2 DROP STRUCTURE (#1) - PROFILE VIEW (SECTION A)
 NOT TO SCALE

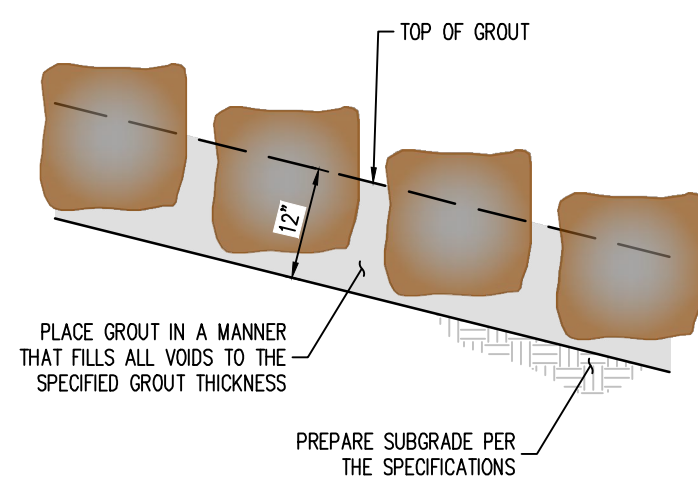


3 DROP STRUCTURE (#1) - PROFILE VIEW (SECTION B)
 NOT TO SCALE



4 DROP STRUCTURE (#1) - PROFILE VIEW (SECTION C)
 NOT TO SCALE

1 GROUTED BOULDER PLACEMENT DETAIL
NOT TO SCALE



BOULDER PLACEMENT NOTES:

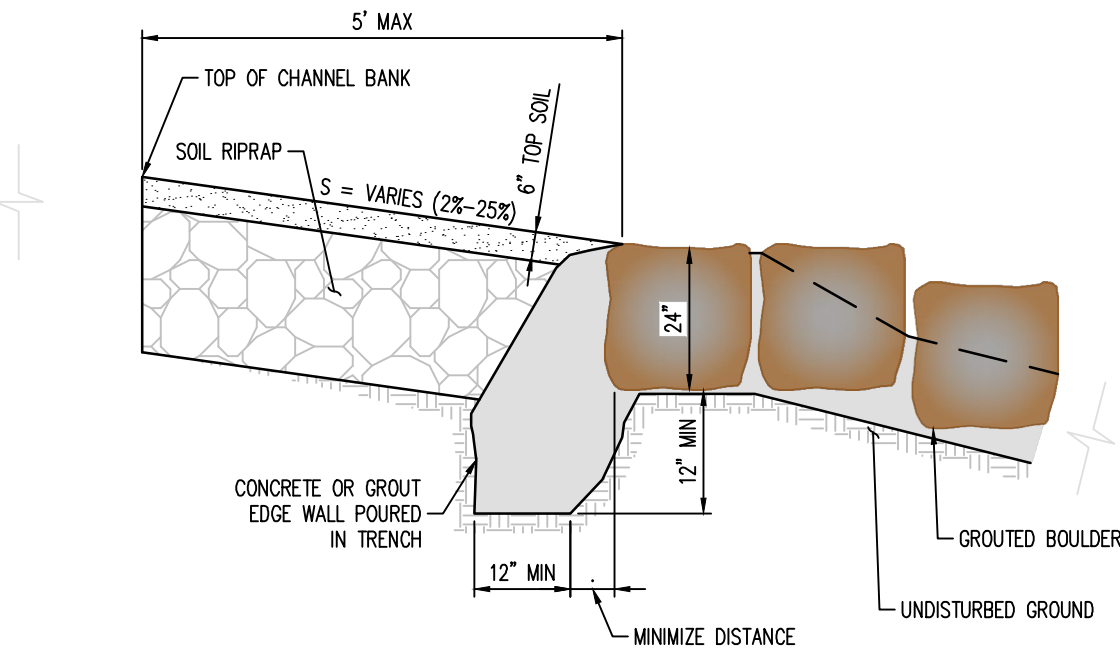
1. PLACE BOULDERS WITH THE REQUIRED BOULDER HEIGHT VERTICAL. PLACE BOULDERS AS TIGHTLY TOGETHER AS POSSIBLE (WITHOUT TOUCHING) WHILE PROVIDING ENOUGH ROOM BETWEEN THEM TO THOROUGHLY VIBRATE THE GROUT AND TO ENSURE NO GAPS IN THE GROUT. THE SMALL DIMENSION OF A 2X4 CAN BE USED AS A GUIDE TO CHECK MINIMUM SPACING.
2. BEFORE GROUTING, CLEAN ALL DIRT AND MATERIAL FROM ROCK THAT COULD PREVENT THE GROUT FROM BINDING TO THE ROCK. KEEP BOULDERS FROM TOUCHING. AVOID SLIDING BOULDERS AGAINST SUBGRADE TO PROPERLY POSITION.

MATERIAL SPECIFICATIONS:

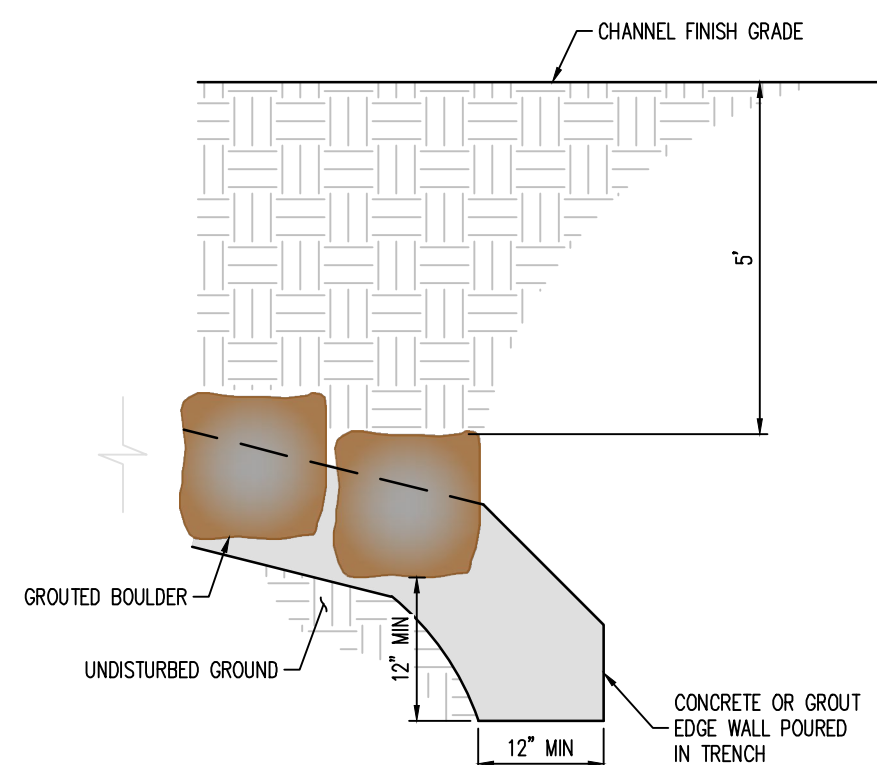
1. ALL GROUT SHALL HAVE A MINIMUM 28-DAY COMPRESSIVE STRENGTH EQUAL TO 3200 PSI.
2. ONE CUBIC YARD OF GROUT SHALL HAVE A MINIMUM OF SIX (6) SACKS OF TYPE II PORTLAND CEMENT.
3. A MAXIMUM OF 25% TYPE F FLY ASH MAY BE SUBSTITUTED FOR THE PORTLAND CEMENT.
4. THE AGGREGATE SHALL BE COMPRISED OF 70% NATURAL SAND (FINES) AND 30% 3/8" ROCK (COARSE).
5. THE GROUT SLUMP SHALL BE BETWEEN 4-INCHES TO 6-INCHES.
6. AIR ENTRAINMENT SHALL BE BETWEEN 5.5% AND 7.5%.
7. TO CONTROL SHRINKAGE AND CRACKING, 1.5 POUNDS OF FIBERMESH, OR EQUIVALENT, SHALL BE USED PER CUBIC YARD OF GROUT.
8. COLOR ADDITIVE IN REQUIRED AMOUNTS SHALL BE USED WHEN SO SPECIFIED BY CONTRACT.

GROUT PLACEMENT SPECIFICATIONS:

1. SPECIAL PROCEDURES SHALL BE REQUIRED FOR GROUT PLACEMENT WHEN THE AIR TEMPERATURES ARE LESS THAN 40F OR GREATER THAN 90F. CONTRACTOR SHALL OBTAIN PRIOR APPROVAL FROM THE DESIGN ENGINEER OF THE PROCEDURES TO BE USED FOR PROTECTING THE GROUT.
2. GROUT SHALL BE DELIVERED BY MEANS OF A LOW PRESSURE (LESS THAN 10 PSI) GROUT PUMP USING A 2-INCH DIAMETER (MAXIMUM) NOZZLE.
3. FULL DEPTH PENETRATION OF THE GROUT INTO THE BOULDER VOIDS SHALL BE ACHIEVED BY INJECTING GROUT STARTING WITH THE NOZZLE NEAR THE BOTTOM AND RAISING IT AS THE GROUT FILLS. WHILE VIBRATING GROUT INTO PLACE USING A FENCIL VIBRATOR.
4. ALL GROUT BETWEEN BOULDERS SHALL BE TREATED WITH A BROOM FINISH.
5. AFTER GROUT PLACEMENT, EXPOSED BOULDER FACES SHALL BE CLEANED AND FREE OF GROUT.
6. ALL FINISHED GROUT SURFACES SHALL BE SPRAYED WITH A CLEAR LIQUID MEMBRANE CURING COMPOUND AS SPECIFIED IN ASTM C309.

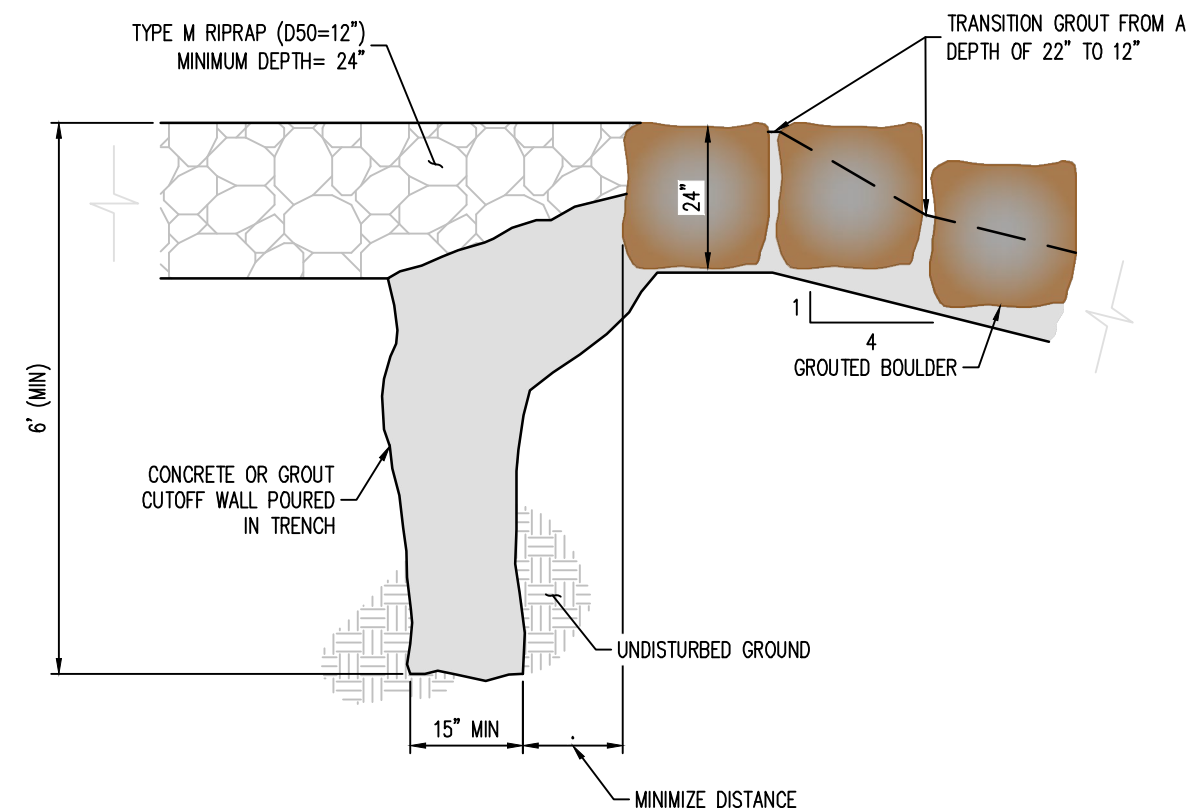


EDGE SIDE WALL DETAIL



EDGE TOE WALL DETAIL

2 EDGE WALL DETAIL
NOT TO SCALE



3 CUT-OFF WALL DETAIL
NOT TO SCALE

SOIL RIPRAP SPECIFICATIONS:

1. CONTRACTOR SHALL EXCAVATE AREAS TO RECEIVE SOIL RIPRAP TO THE SPECIFIED DEPTH.
2. SUBGRADE SHOULD BE COMPACTED TO NINETY-FIVE PERCENT (95%) MAXIMUM DENSITY.
3. NO BEDDING MATERIAL IS REQUIRED FOR SOIL RIPRAP.
4. RIPRAP SHALL BE PLACED ON THE PREPARED SLOPE OR CHANNEL BOTTOM AREAS IN A MANNER WHICH WILL PRODUCE A REASONABLY WELL GRADED MASS OF STONE WITH THE MINIMUM PRACTICABLE PERCENTAGE OF VOIDS.
5. RIPRAP SHALL BE MACHINE PLACED.
6. IT IS THE INTENT OF THESE SPECIFICATIONS TO PRODUCE A FAIRLY COMPACT RIPRAP PROTECTION IN WHICH ALL SIZES OF MATERIAL ARE PLACED IN THEIR PROPER PROPORTIONS.
7. WHEN RIPRAP IS PLACED ON SLOPE, PLACEMENT SHALL COMMENCE AT THE BOTTOM OF THE SLOPE WORKING UP THE SLOPE.
8. ALL MATERIAL USED FOR RIPRAP PROTECTION FOR CHANNEL SLOPE OR BOTTOM SHALL BE PLACED AND DISTRIBUTED SUCH THAT THERE SHALL BE NO LARGE ACCUMULATIONS OF EITHER THE LARGER OR SMALLER SIZES OF STONE. SOME HAND PLACEMENT MAY BE REQUIRED TO ACHIEVE THIS DISTRIBUTION.
9. SMALLER ROCK SHALL BE SECURELY LOCKED BETWEEN THE LARGER STONE. IT IS ESSENTIAL THAT THE MATERIAL BETWEEN THE LARGER STONES NOT BE LOOSE OR EASILY DISPLACED BY FLOW.
10. THE SOIL MATERIAL SHALL BE NATIVE OR TOPSOIL AND MIXED WITH SIXTY-FIVE PERCENT (65%) RIPRAP AND THIRTY-FIVE PERCENT (35%) SOIL BY VOLUME.
11. SOIL RIPRAP SHALL CONSIST OF A UNIFORM MIXTURE OF SOIL AND RIPRAP WITHOUT VOIDS.
12. SOIL RIPRAP SHALL BE FREE OF BRUSH, TREES, STUMPS, AND OTHER OBJECTIONABLE MATERIAL AND BE GRADED TO A SMOOTH COMPACTED SURFACE.
13. MIXING OF SOIL AND RIPRAP SHOULD BE DONE AT THE STOCKPILE LOCATION, NOT AT THE LOCATION WHERE SOIL RIPRAP IS TO BE PLACED.
14. MIX THIRTY-FIVE PERCENT (35%) SOIL BY VOLUME WITH STOCKPILED RIPRAP, USING ADDITIONAL MOISTURE AND CONTROL PROCEDURES THAT ENSURE A HOMOGENOUS MIXTURE; WHERE THE SOIL FILLS THE INHERENT VOIDS IN THE RIPRAP WITHOUT DISPLACING RIPRAP.
15. LAYERING THE RIPRAP AND SOIL INSTEAD OF PREMIXING MAY BE ALLOWED IF THE NATIVE SOIL IS GRANULAR.
16. PLACE A FIRST LAYER OF SMALLER SOIL RIPRAP OF APPROXIMATE D50 THICKNESS. THEN PLACE THE TOP LAYER WITH THE SURFACE ROCKS THAT ARE LARGELY D50 OR GREATER, FILLING VOIDS AS NECESSARY WITH THE SMALLER PLANTED RIPRAP.
17. THE MIXTURE SHALL BE CONSOLIDATED BY LARGE VIBRATORY EQUIPMENT OR BACKHOE BUCKET TO CREATE A TIGHT, DENSE INTERLOCKING MASS.
18. THE SOIL SHALL BE FURTHER WETTED TO ENCOURAGE VOID FILLING WITH SOIL.
19. ANY LARGE VOIDS SHALL BE FILLED WITH ROCK AND SMALL VOIDS FILLED WITH SOIL.
20. THE TOP SURFACE SHALL BE COVERED WITH FOUR (4) INCHES OF TOPSOIL SUCH THAT NO ROCK POINTS ARE PROTRUDING.
21. THE FINAL SURFACE SHALL BE THOROUGHLY WETTED FOR GOOD COMPACTION, SMOOTHED AND COMPACTED BY VIBRATING EQUIPMENT.

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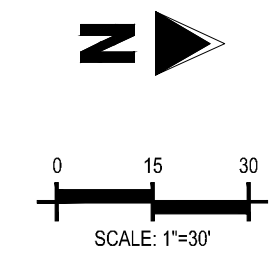
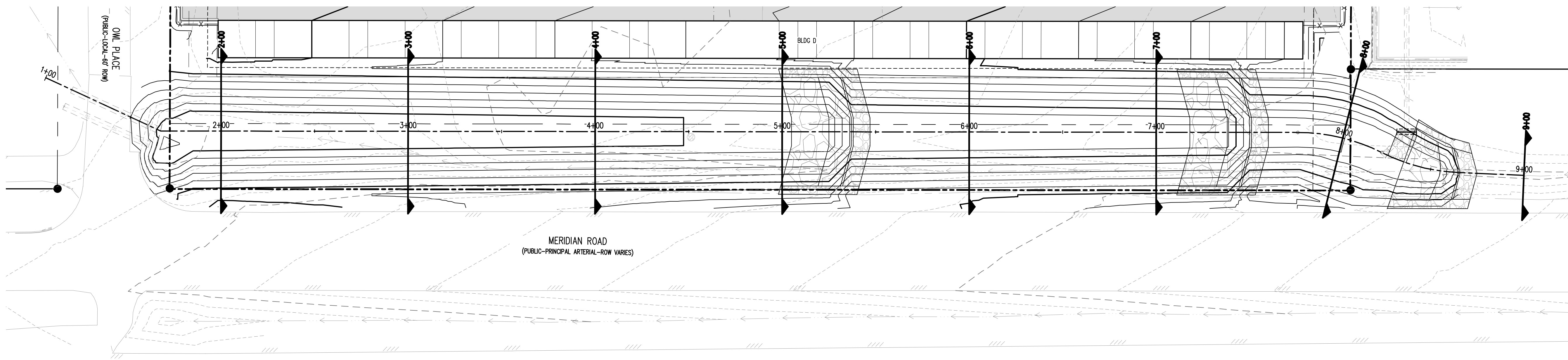
#	Date	Issue / Description	Init.

Project No: MRS01
Drawn By: JDM
Checked By: CMWJ
Date: 10/20/2023

DROP STRUCTURE
GENERAL DETAILS
VR239 & SDP2336

C7.3
Sheet 24 of 25

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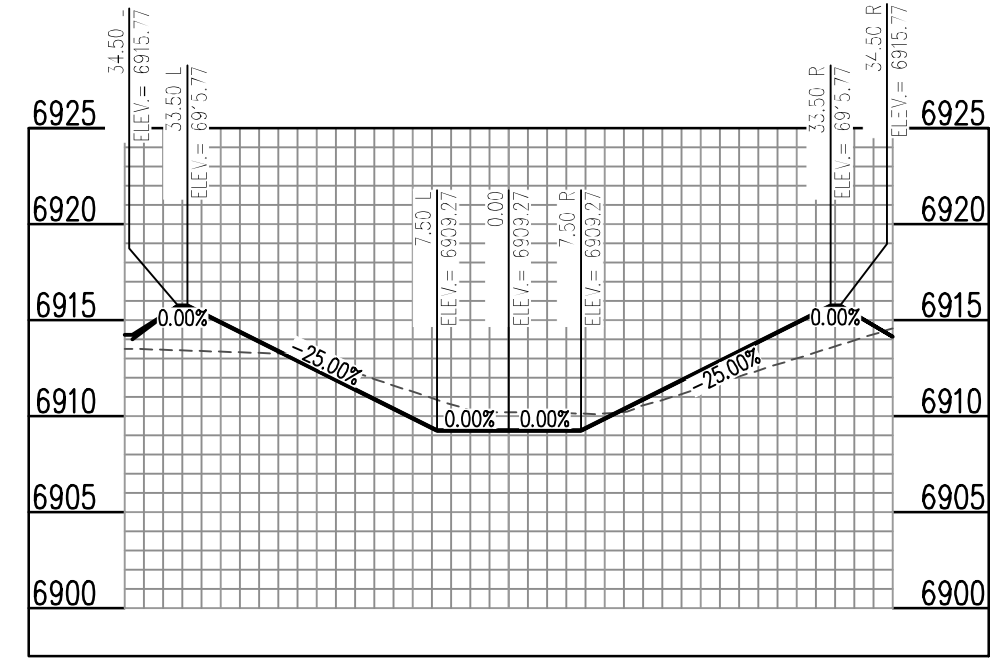
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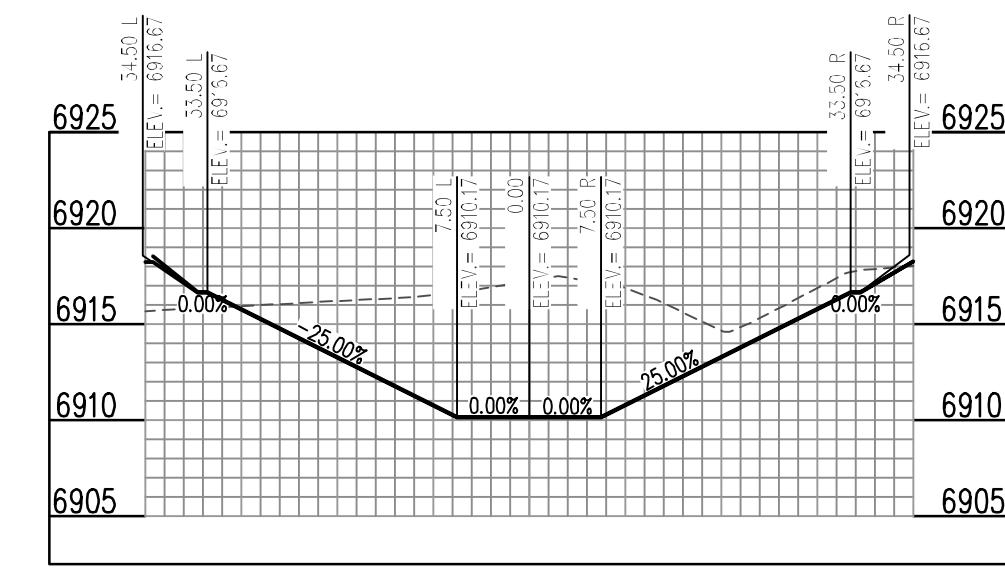
CHANNEL SECTIONS

VR239 & SDP2336

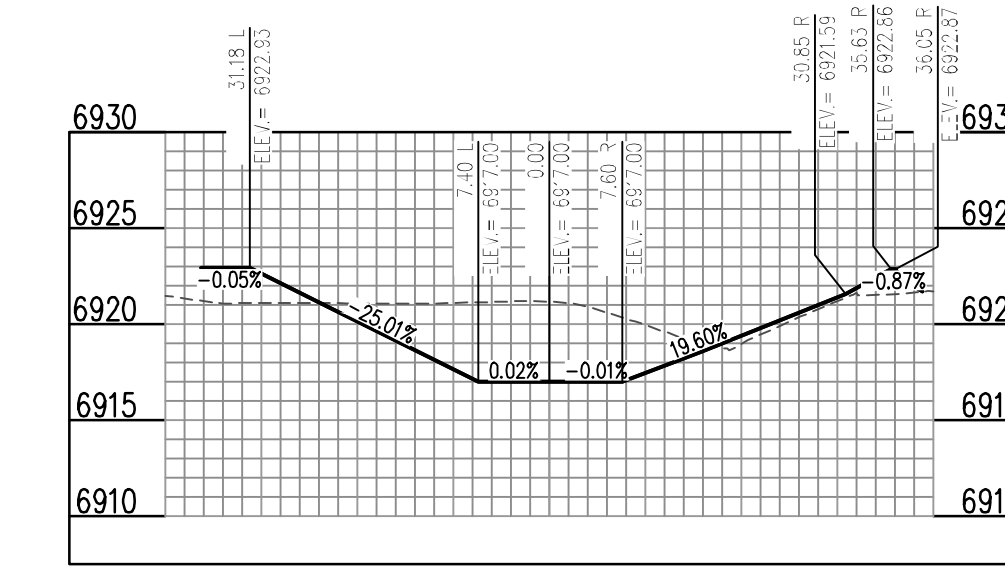
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 Sheet 25 of 25



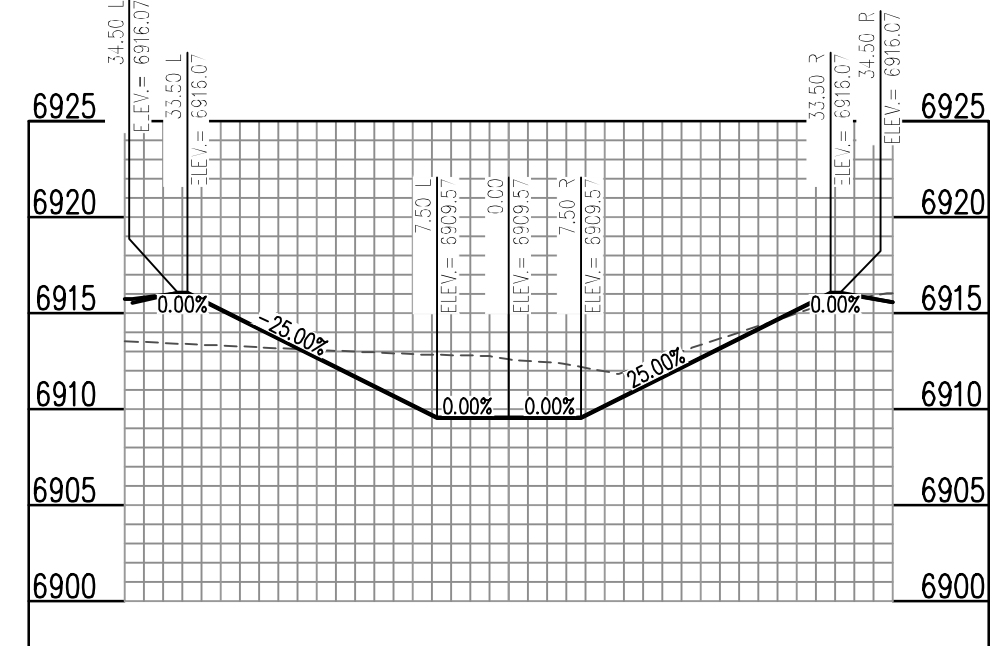
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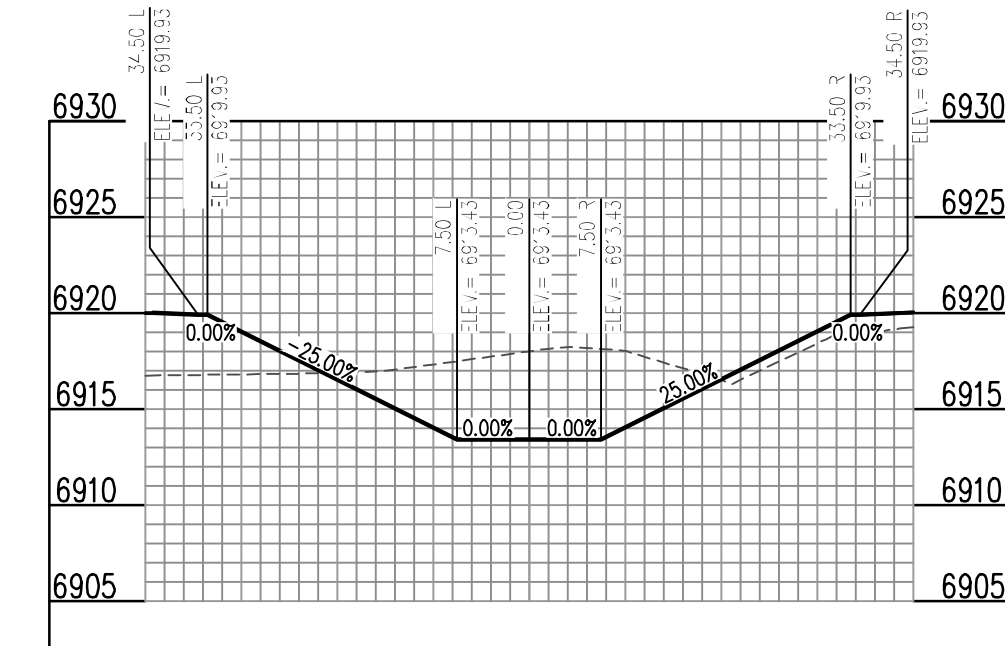
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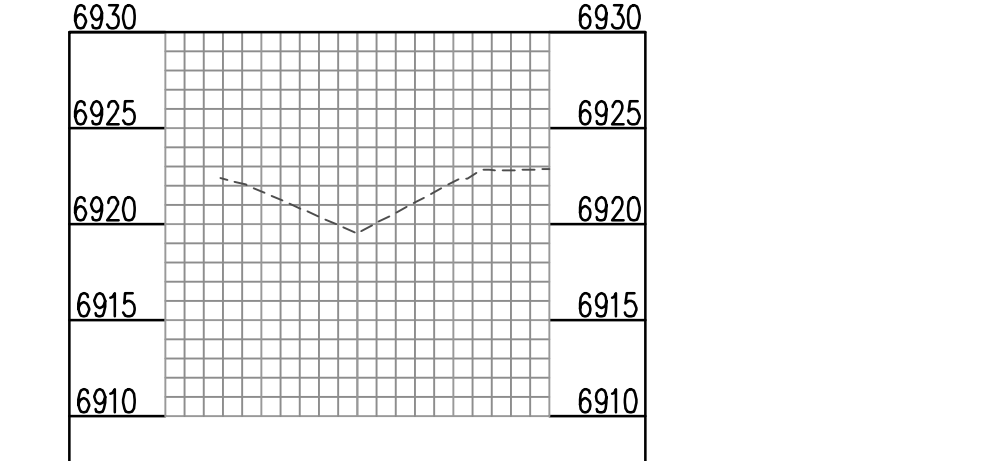
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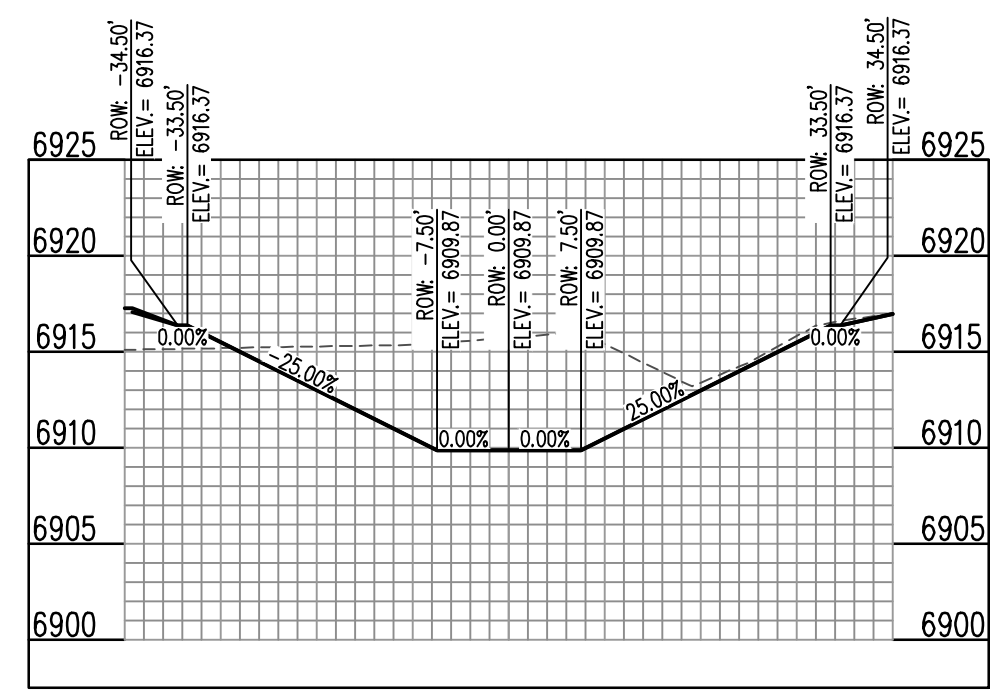
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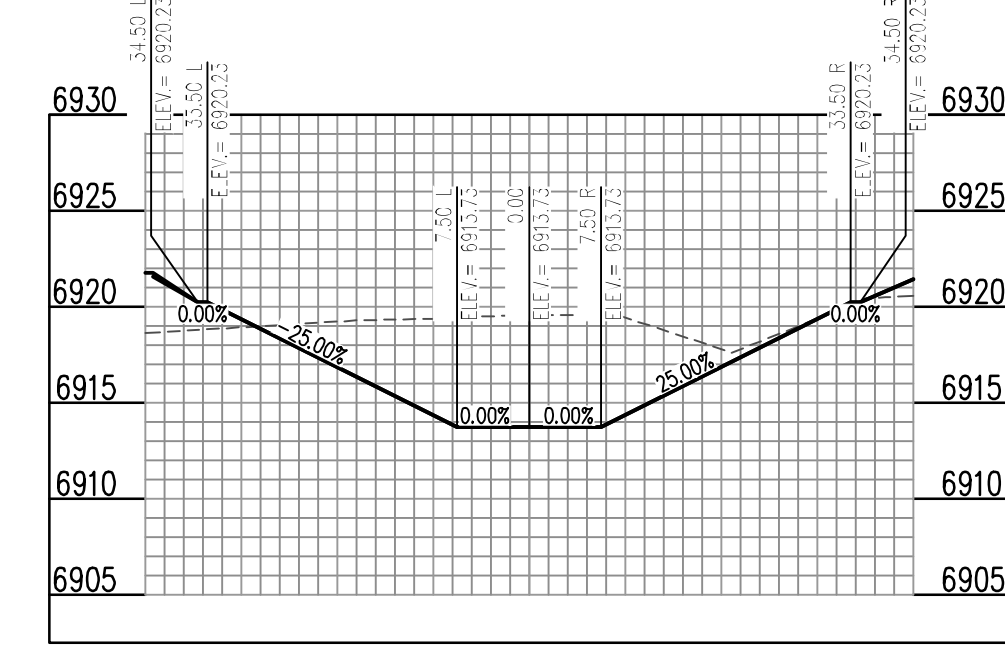
PROP. MERIDIAN ROAD CHANNEL (RMT064) (6+00) - SCALE: H: 1"=20' V: 1"=10'



PROP. MERIDIAN ROAD CHANNEL (RMT064) (9+00) - SCALE: H: 1"=20' V: 1"=10'



PROP. MERIDIAN ROAD CHANNEL (RMT064) (4+00) - SCALE: H: 1"=20' V: 1"=10'



PROP. MERIDIAN ROAD CHANNEL (RMT064) (7+00) - SCALE: H: 1"=20' V: 1"=10'