

GENERAL CONSTRUCTION NOTES

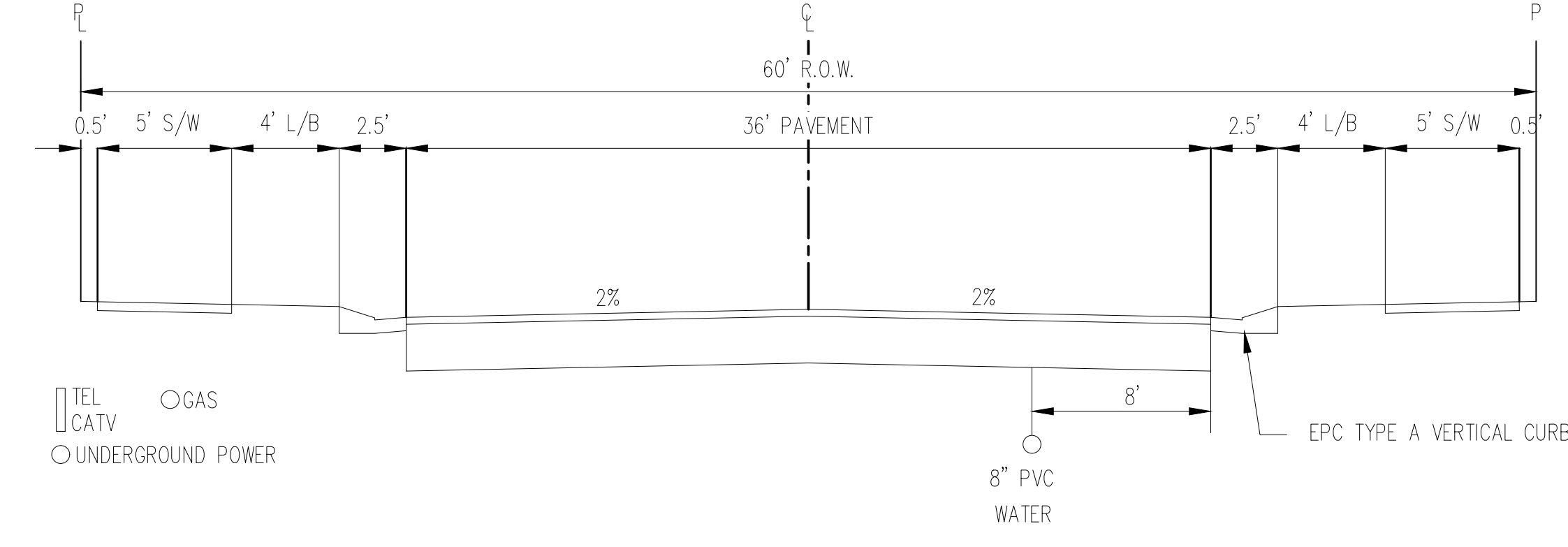
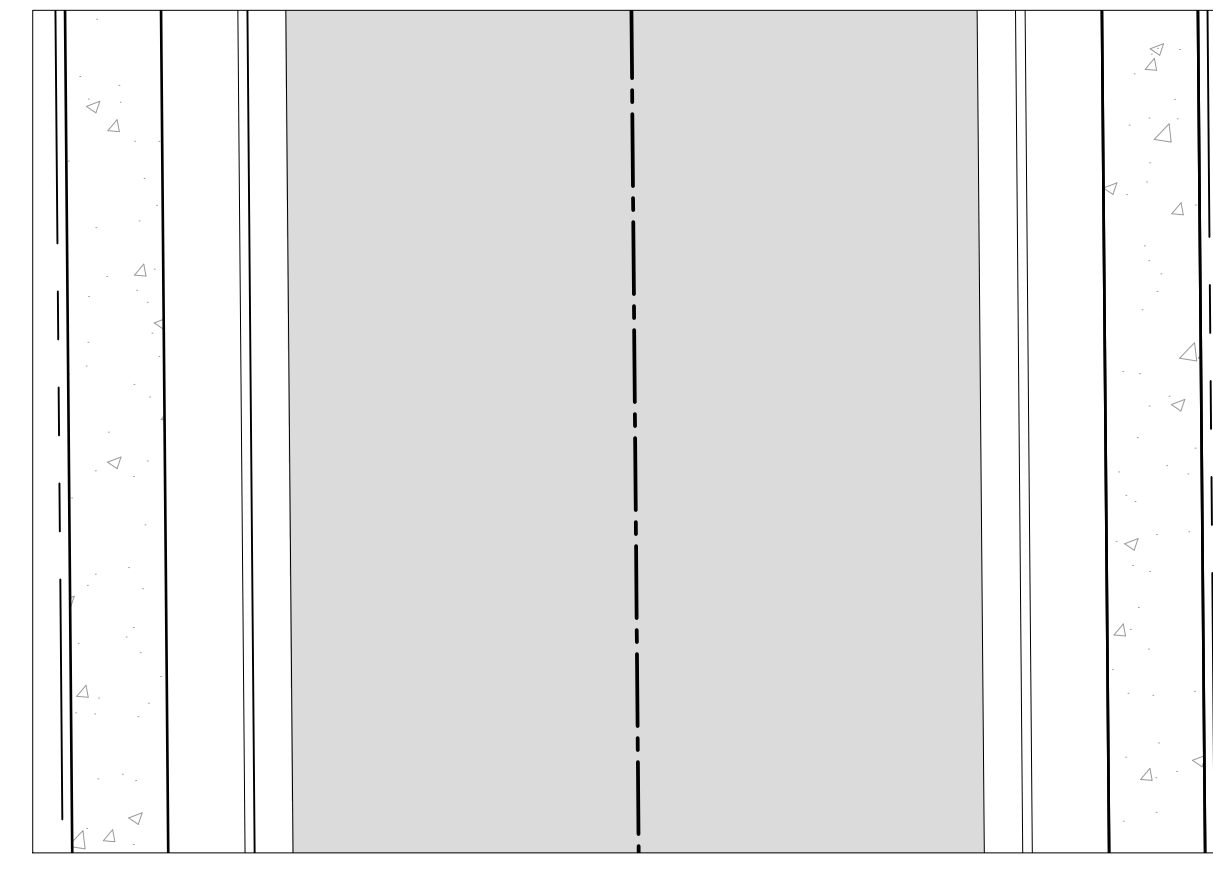
1. IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO VERIFY THE EXISTENCE AND LOCATION OF ALL UNDERGROUND UTILITIES ALONG THE ROUTE OF THE WORK. THE OMISSION FROM OR THE INCLUSION OF UTILITY LOCATIONS ON THE PLANS IS NOT TO BE CONSIDERED AS THE NONEXISTENCE OF OR A DEFINITE LOCATION OF EXISTING UNDERGROUND UTILITIES.
2. 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.
3. ADDITIONAL EROSION CONTROL STRUCTURES MAY BE REQUIRED AT THE TIME OF CONSTRUCTION.
4. 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.
5. ALL STATIONING IS CENTERLINE UNLESS OTHERWISE INDICATED. ALL ELEVATIONS ARE FLOW LINE UNLESS OTHERWISE INDICATED.
6. ALL DISTURBED PAVEMENT EDGES SHALL BE CUT TO NEAT LINES. REPAIR SHALL CONFORM TO THE EPC EGM APPENDIX K – 1.2C.
7. ALL INTERSECTION ACCESSES TO BE CONSTRUCTED WITH A 25 FOOT SIGHT VISIBILITY TRIANGLES AND THERE SHALL BE NO OBSTRUCTIONS GREATER THAN 18" IN THIS AREA.
8. 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.
9. 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.
10. TYPE M RIP-RAP WITH 4" OF TYPE II GRANULAR BEDDING AND MIRAFI 180N OR EQUAL MAY BE SUBSTITUTED WHERE TYPE L RIP-RAP WITH MIRAFI F700 OR EQUAL IS SPECIFIED.
11. 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.
12. ALL POTABLE WATER MAINS SHALL BE ANWIA C900-SDR18 PVC WITH PUSH-ON SINGLE GASKET TYPE JOINTS AND SHALL MEET THE REQUIREMENTS OF ANSI / NSF 61.
13. 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 PSJ AND SHALL MEET THE REQUIREMENTS OF ANSI / NSF 61.
14. 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.
15. 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.
16. 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.
17. 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

1. 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.
2. 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).
3. 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
4. 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.
5. 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.
6. CONTRACTOR SHALL SCHEDULE A PRE-CONSTRUCTION MEETING WITH EL PASO COUNTY PLANNING AND COMMUNITY DEVELOPMENT (PCD) – INSPECTIONS, PRIOR TO STARTING CONSTRUCTION.
7. 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.
8. 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.
9. ALL STORM DRAIN PIPE SHALL BE CLASS III RCP UNLESS OTHERWISE NOTED AND APPROVED BY PCD.
10. CONTRACTOR SHALL COORDINATE GEOTECHNICAL TESTING PER EGM STANDARDS. PAVEMENT DESIGN SHALL BE APPROVED BY EL PASO COUNTY PCD PRIOR TO PLACEMENT OF CURB AND GUTTER AND PAVEMENT.
11. ALL CONSTRUCTION TRAFFIC MUST ENTER/EXIT THE SITE AT APPROVED CONSTRUCTION ACCESS POINTS.
12. 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.
13. SIGNING AND STRIPING SHALL COMPLY WITH EL PASO COUNTY DPW AND MUTCO CRITERIA. [IF APPLICABLE, ADDITIONAL SIGNING AND STRIPING NOTES WILL BE PROVIDED.]
14. CONTRACTOR SHALL OBTAIN ANY PERMITS REQUIRED BY EL PASO COUNTY DPW, INCLUDING WORK WITHIN THE RIGHT-OF-WAY AND SPECIAL TRANSPORT PERMITS.
15. 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

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 40 MPH OR HIGHER SHALL HAVE 8" UPPER-LOWER CASE LETTERING ON 18" BLANK WITH A WHITE BORDER THAT IS NOT RECESSED. THE WIDTH OF THE NON-RECESSED WHITE BORDERS SHALL MATCH PAGE 255 OF THE 2012 MUTCD "STANDARD HIGHWAY SIGNS"
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-B REGARDING USE OF THE P2 TUBULAR STEEL POST SUBBASE 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 1/25 MIL THICKNESS PREFORMED THERMOPLASTIC PAVEMENT MARKINGS WITH TAPERED LEADING EDGES PER CDOT STANDARD S-627-1. WORD AND SYMBOL MARKINGS SHALL BE THE NARROW TYPE. STOP BARS SHALL BE 24" IN WIDTH. CROSSWALKS LINES SHALL BE 12" WIDE AND 8' LONG PER CDOT S-627-1.
12. 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.
13. THE CONTRACTOR SHALL NOTIFY EL PASO COUNTY PLANNING AND COMMUNITY DEVELOPMENT (719) 520-6819 PRIOR TO AND UPON COMPLETION OF SIGNING AND STRIPING.
14. 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
N.T.S.

- STREET NAMES
1. MERIDIAN PARK DRIVE
 2. OWL PLACE

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 Colorado Springs, CO 80920
 719.900.7220
 GallowayUS.com



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CONSTRUCTION DRAWINGS
 MERIDIAN STORAGE
 MERIDIAN STORAGE, LLC
 SF-23-XXX

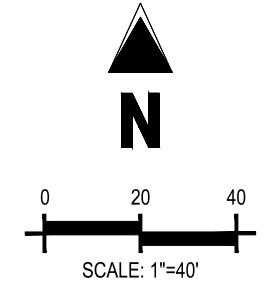
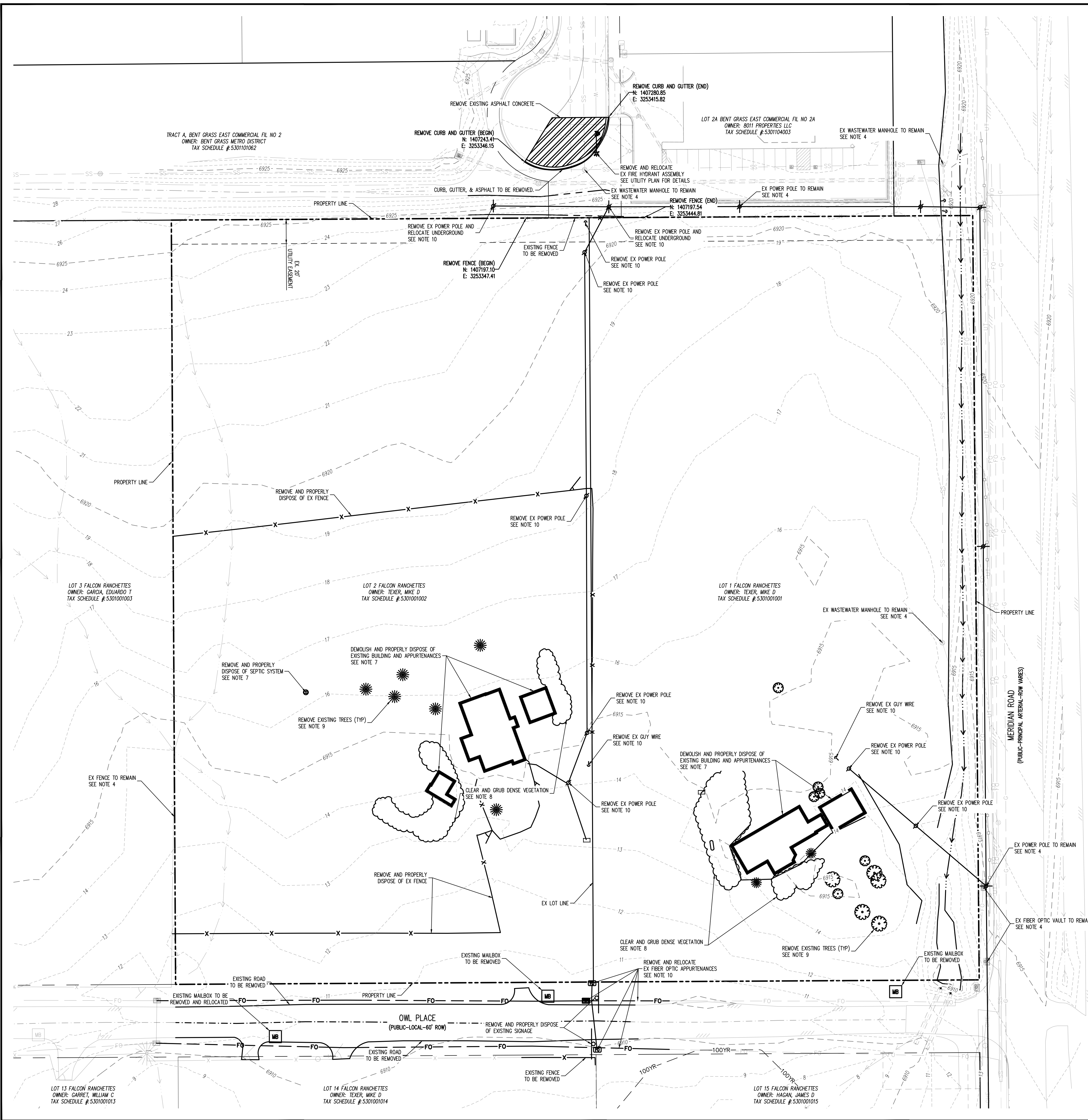
STATE OF COLORADO, MERIDIAN ROAD & OWL PLACE
 EL PASO COUNTY, FALCON, CO 80931

#	Date	Issue / Description	Init.

Project No: MRS01
 Drawn By: JDM
 Checked By: CMWJ
 Date: PUB

NOTES

C0.1
 Sheet 2 of 25



DEMO LEGEND

- _____ TO REMAIN
- TO BE REMOVED

EXISTING CONDITIONS LEGEND

- 5460- EXISTING MAJOR CONTOUR
- S2- EXISTING MINOR CONTOUR
- PROJECT BOUNDARY LINE
- ADJACENT PROPERTY BOUNDARY LINE
- RIGHT OF WAY LINE
- EXISTING ADJACENT LOT LINE
- PROPOSED LOT LINE
- EXISTING EASEMENT LINE
- EXISTING ROAD CENTERLINE
- EXISTING CURB AND GUTTER
- EXISTING SWALE LINE
- 100YR- FLOODPLAIN BOUNDARY
- EXISTING GUARDRAIL
- EXISTING WATER LINE
- EXISTING SANITARY SEWER
- EXISTING STORM SEWER
- EXISTING 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
- EXISTING WATER VALVE
- EXISTING FIRE HYDRANT
- EXISTING STORM SEWER MANHOLE
- EXISTING SANITARY SEWER MANHOLE
- 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

1. 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.
2. 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.
3. UNLESS SPECIFICALLY NOTED TO BE SAVED/STOCKPILED (R&S) OR REUSED/RELOCATED (R&R), ALL SITE FEATURES CALLED FOR REMOVAL (R&M) 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.
4. 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.
5. 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.
6. 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.
7. ALL ITEMS CALLED FOR REMOVAL SHALL BE REMOVED TO FULL DEPTH INCLUDING ALL FOOTINGS, FOUNDATIONS, AND OTHER APPURTENANCES, EXCEPT AS SPECIFICALLY NOTED OTHERWISE.
8. "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.
9. TREES DESIGNATED FOR REMOVAL SHALL BE TAGGED BY CONTRACTOR AND APPROVED BY OWNER'S REPRESENTATIVE PRIOR TO COMMENCEMENT OF CONSTRUCTION.
10. 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 58940'45"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 FLING NO. 4, MONUMENTED BY A NO. 4 REBAR WITH A YELLOW PLASTIC CAP STAMPED "PLS 24964" NAVD83 ELEVATION = 6947.67

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 AN ALTERNATIVE METHOD. REPORT INFORMATION TO THE ENGINEER PRIOR TO CONSTRUCTION.



#	Date	Issue / Description	Init.

Project No: MRS01
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EXISTING CONDITIONS & DEMO PLAN

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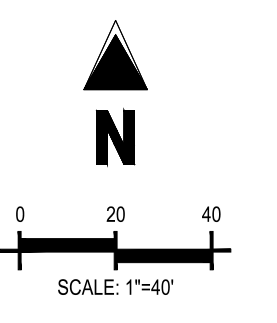
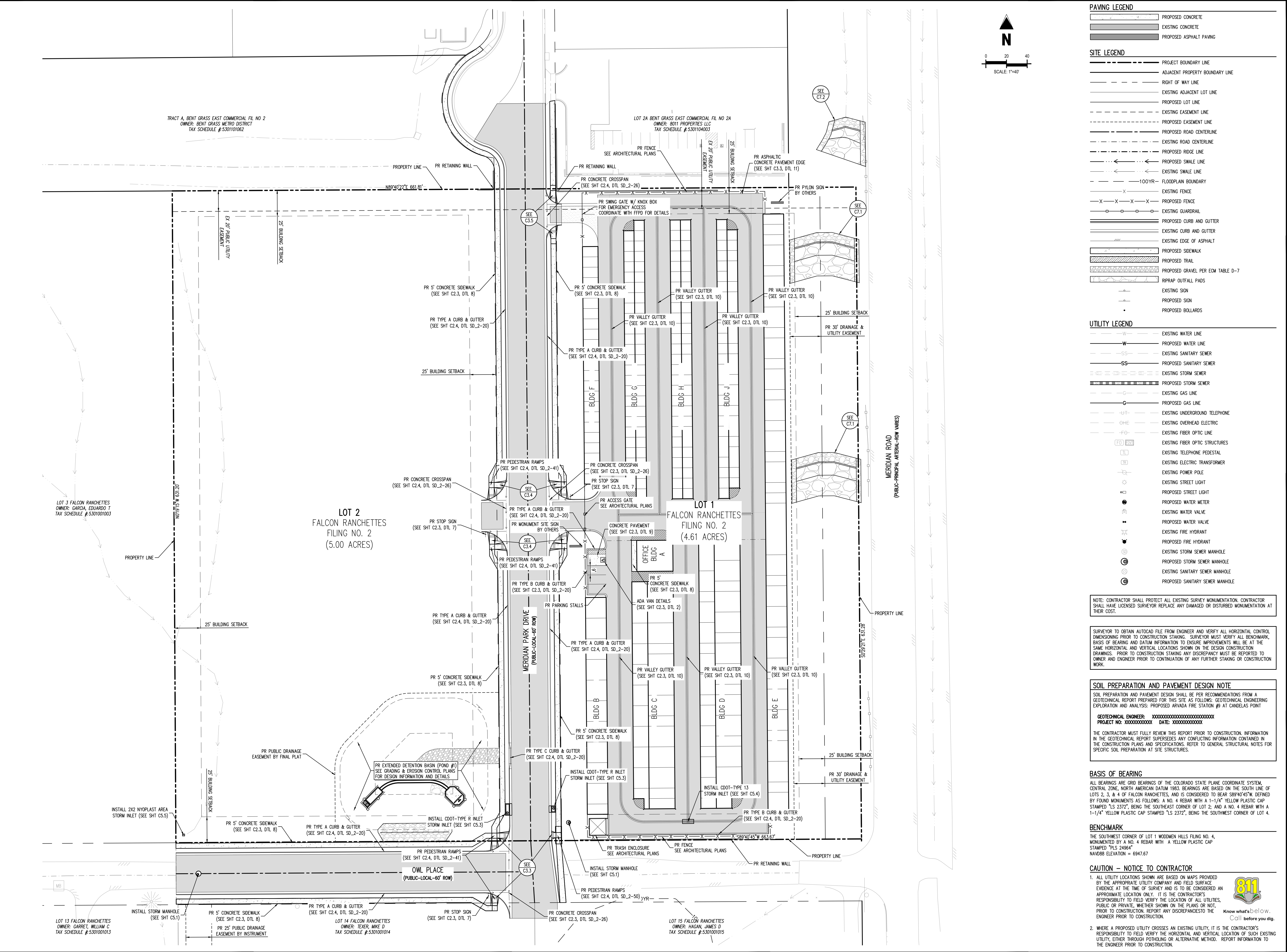
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Project No:	MRS01
Drawn By:	JDM
Checked By:	CMWJ
Date:	PUB

SITE PLAN

C2.1

Sheet 4 of 25



PAVING LEGEND

[Symbol]	PROPOSED CONCRETE
[Symbol]	EXISTING CONCRETE
[Symbol]	PROPOSED ASPHALT PAVING

SITE LEGEND

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

UTILITY LEGEND

[Symbol]	EXISTING WATER LINE
[Symbol]	PROPOSED WATER LINE
[Symbol]	EXISTING SANITARY SEWER
[Symbol]	PROPOSED SANITARY SEWER
[Symbol]	EXISTING STORM SEWER
[Symbol]	PROPOSED STORM SEWER
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[Symbol]	PROPOSED FIRE HYDRANT
[Symbol]	EXISTING STORM SEWER MANHOLE
[Symbol]	PROPOSED STORM SEWER MANHOLE
[Symbol]	EXISTING SANITARY SEWER MANHOLE
[Symbol]	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 ARVADA FIRE STATION #9 AT CANDELAS POINT

GEOTECHNICAL ENGINEER: XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX
PROJECT NO: XXXXXXXXXXXX DATE: XXXXXXXXXXXX

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

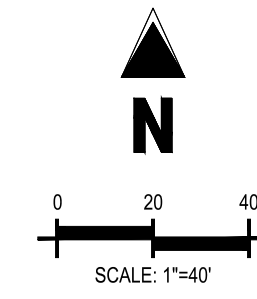
THE SOUTHWEST CORNER OF LOT 1 WOODMEN HILLS FILING NO. 4, MONUMENTED BY A NO. 4 REBAR WITH A YELLOW PLASTIC CAP STAMPED "PLS 2496A", NAVD88 ELEVATION = 6947.67

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.





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
	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 EDM TABLE D-7
	RIPRAP OUTFALL PADS
	EXISTING SIGN
	PROPOSED SIGN
	PROPOSED BOLLARDS

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CONSTRUCTION DRAWINGS MERIDIAN STORAGE MERIDIAN STORAGE, LLC SF-23-XXX

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: PUB

HORIZONTAL CONTROL PLAN

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

C2.2

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

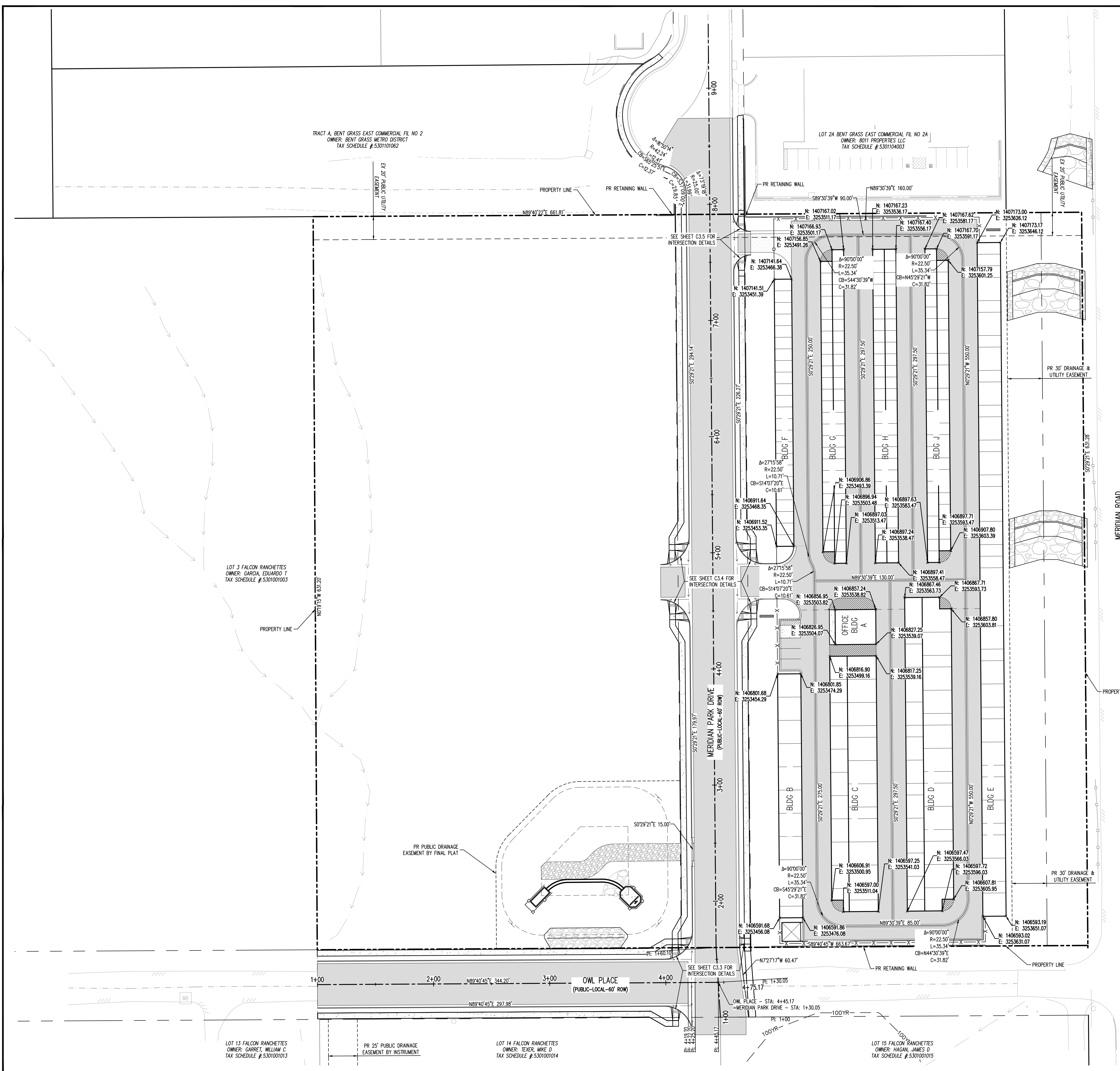
SURVEYOR TO OBTAIN AUTOCAD FILE FROM ENGINEER AND VERIFY ALL HORIZONTAL CONTROL DIMENSIONING PRIOR TO CONSTRUCTION STAKING. SURVEYOR MUST VERIFY ALL BENCHMARK, BASIS OF BEARING AND DATUM INFORMATION TO ENSURE IMPROVEMENTS WILL BE AT THE SAME HORIZONTAL AND VERTICAL LOCATIONS SHOWN ON THE DESIGN CONSTRUCTION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

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 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 24964", NAVD88 ELEVATION = 6947.67

CAUTION - NOTICE TO CONTRACTOR

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- 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.



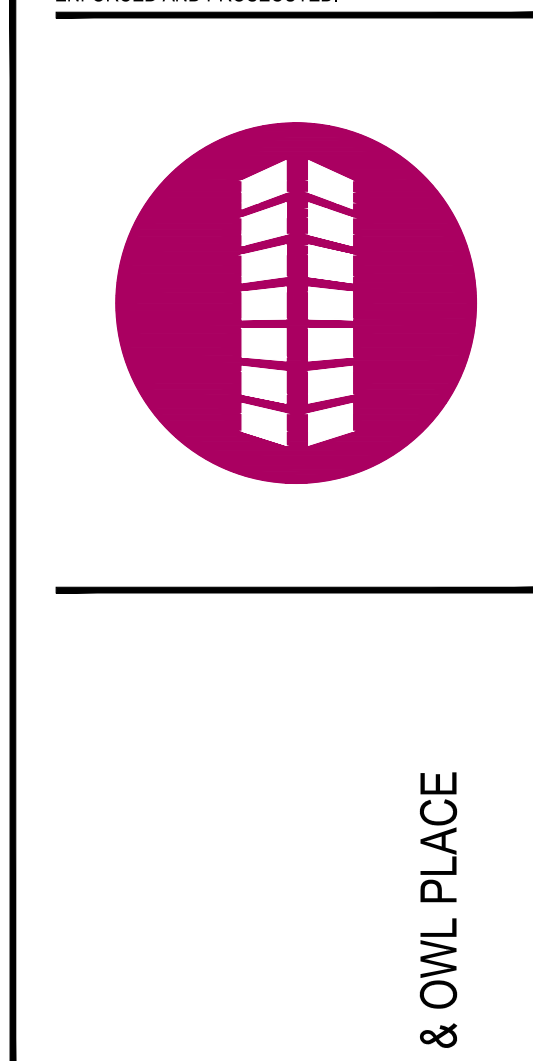
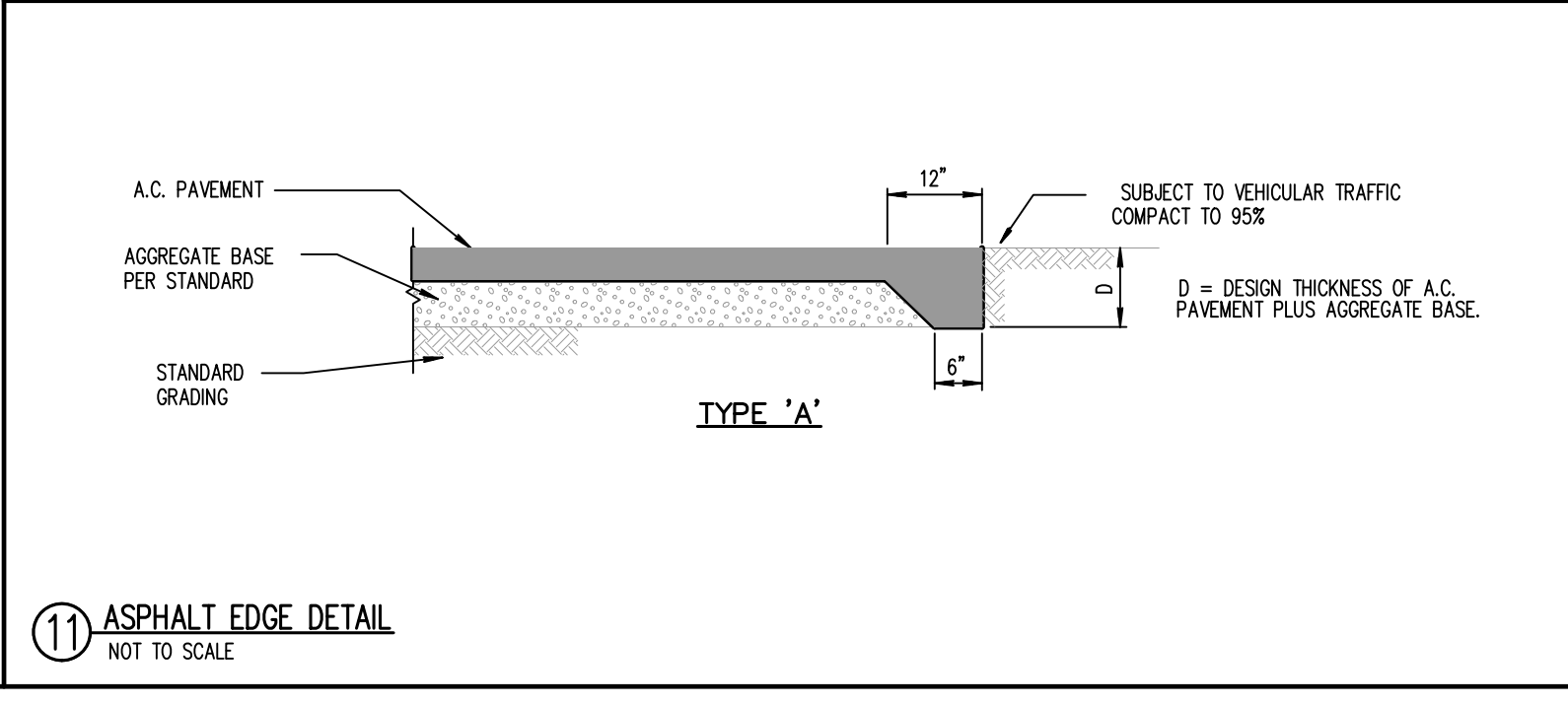
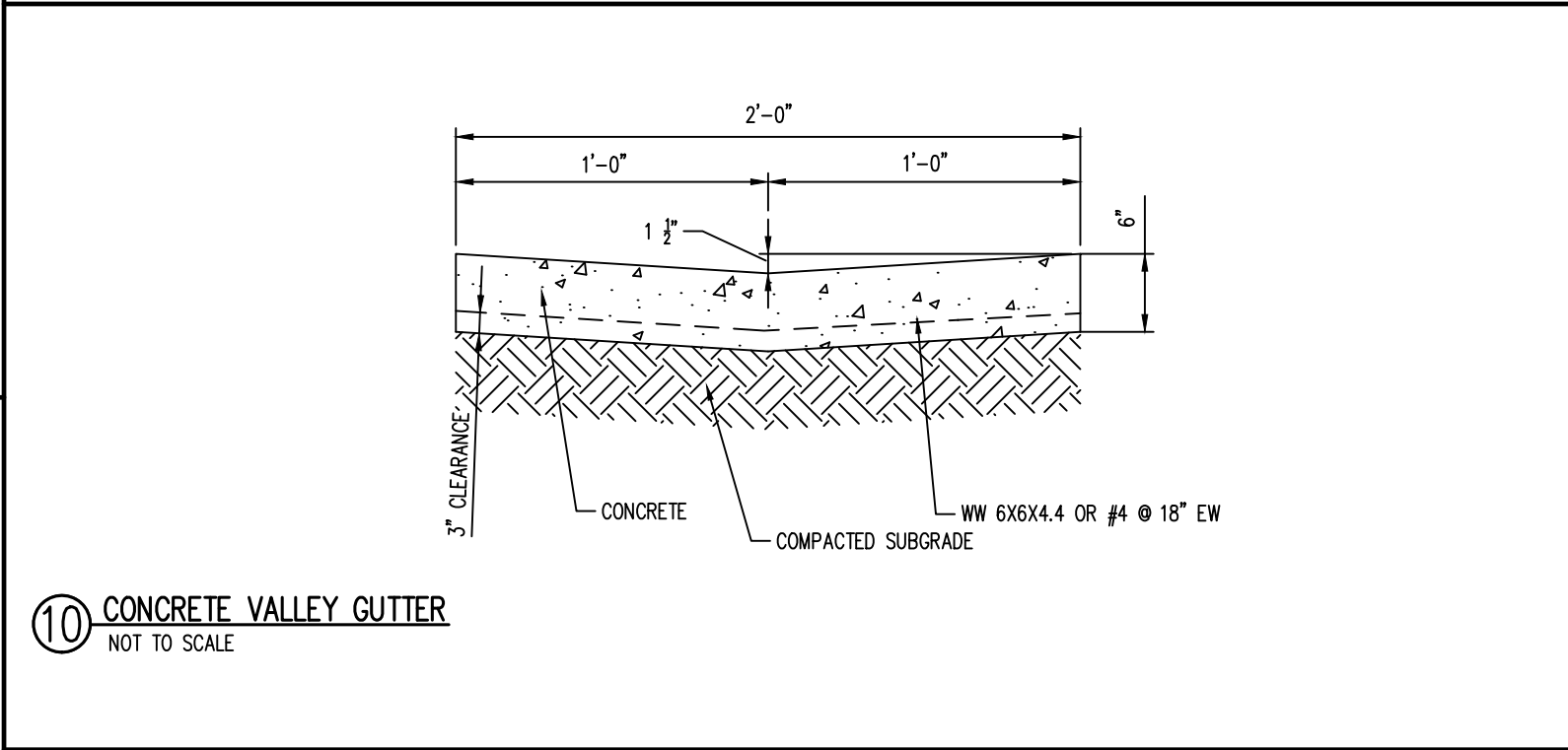
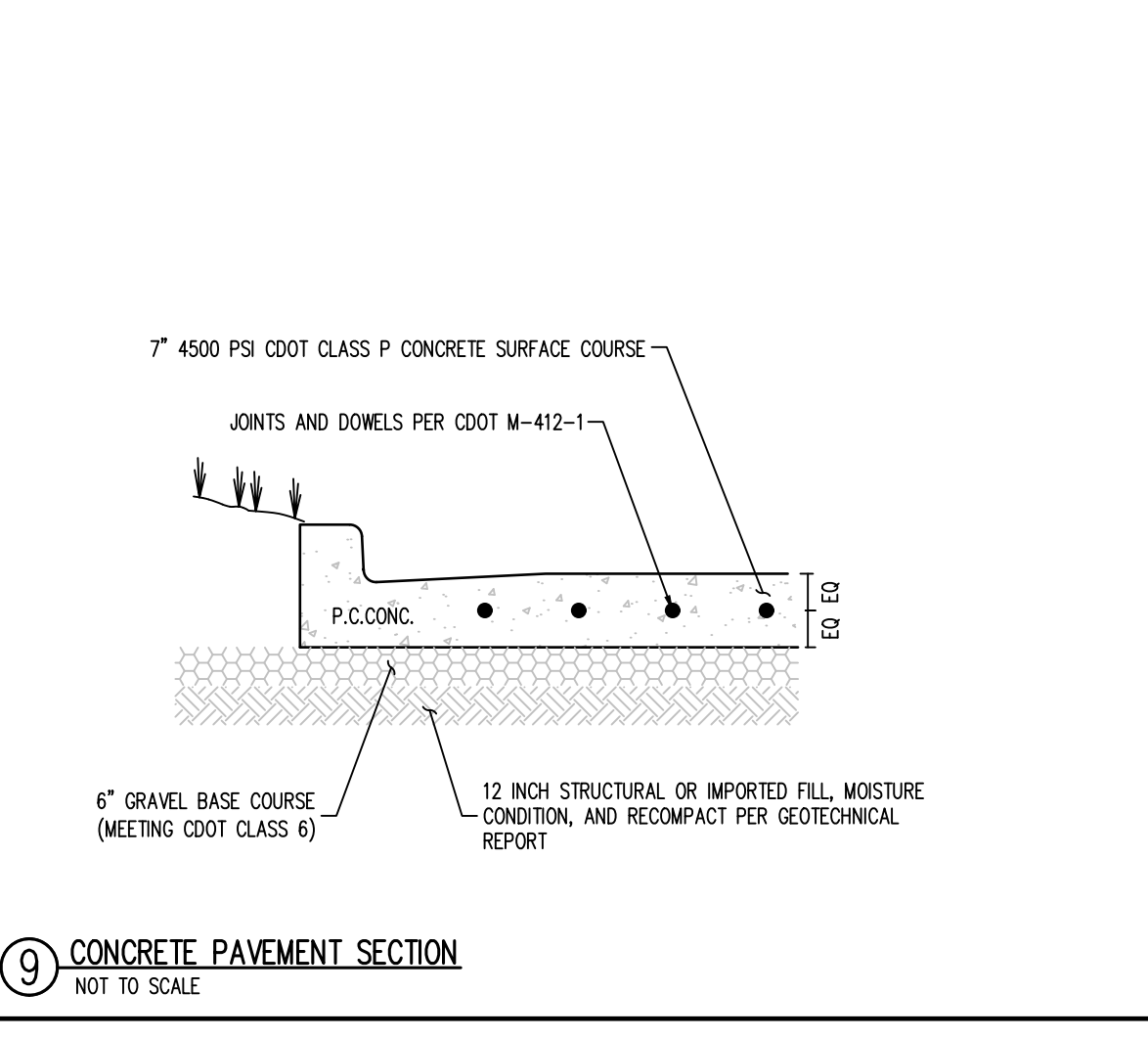
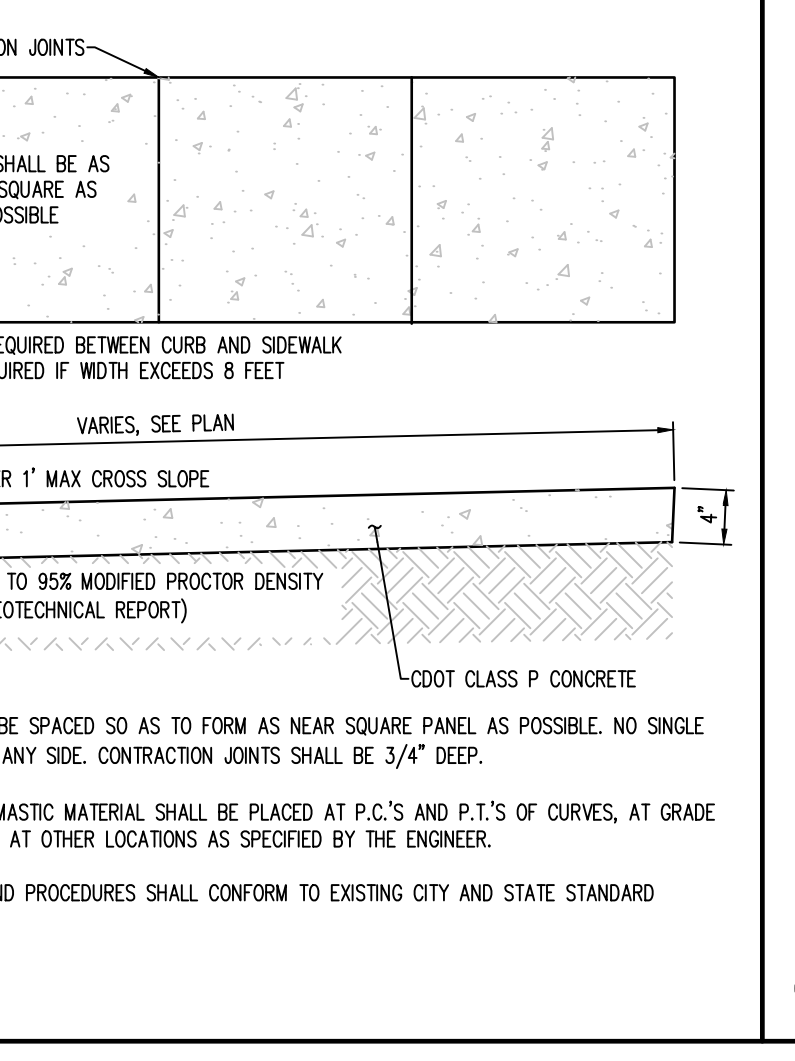
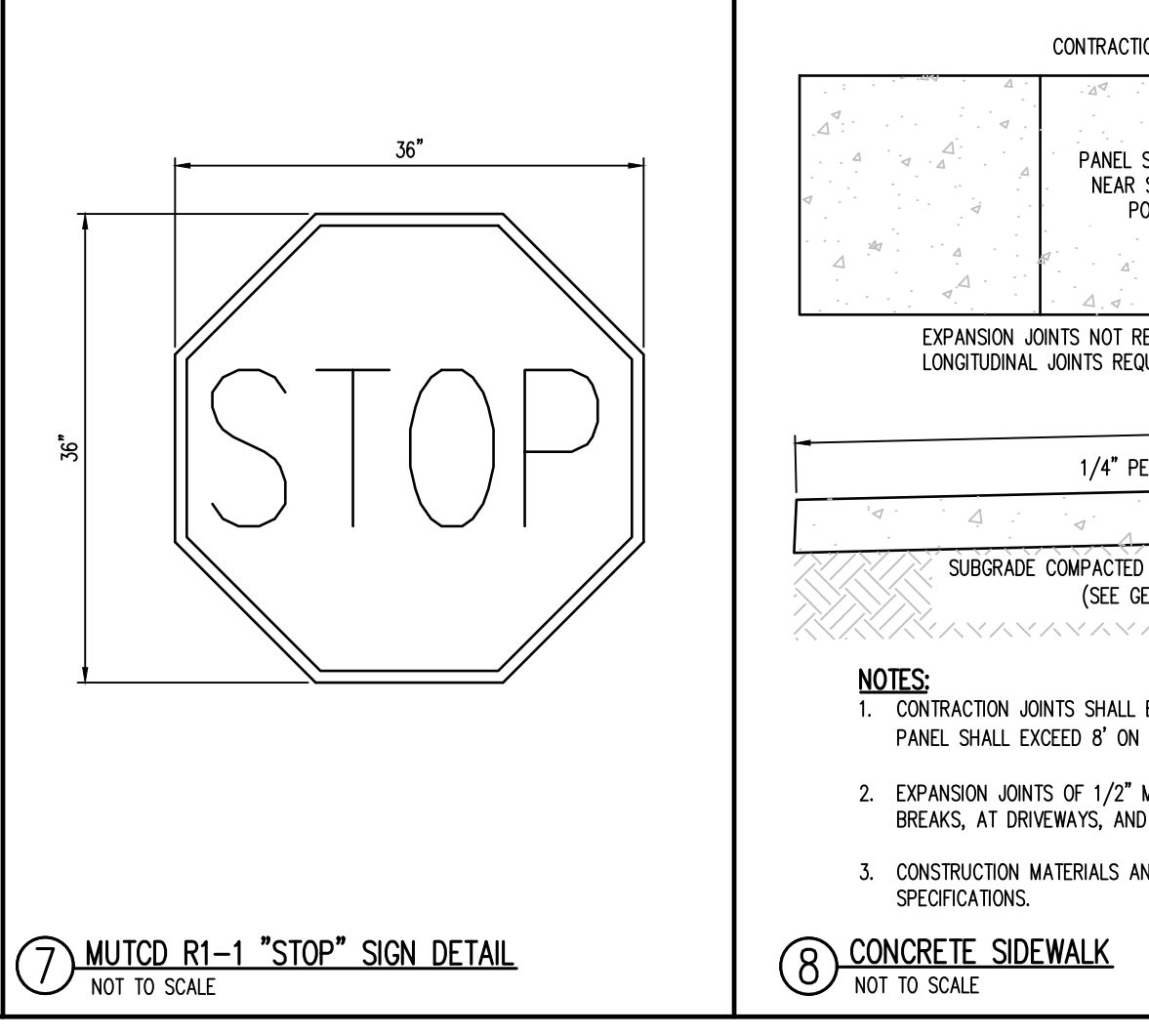
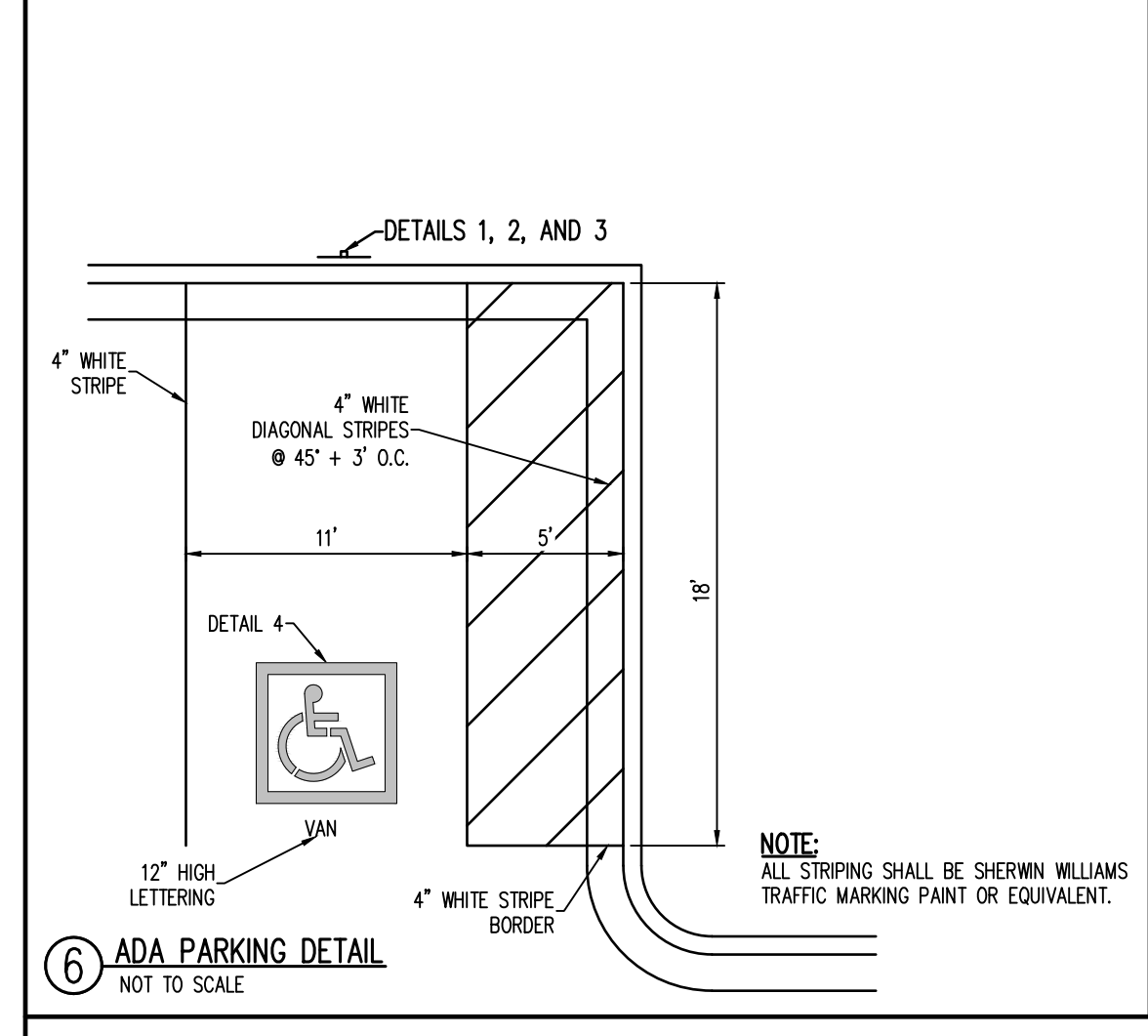
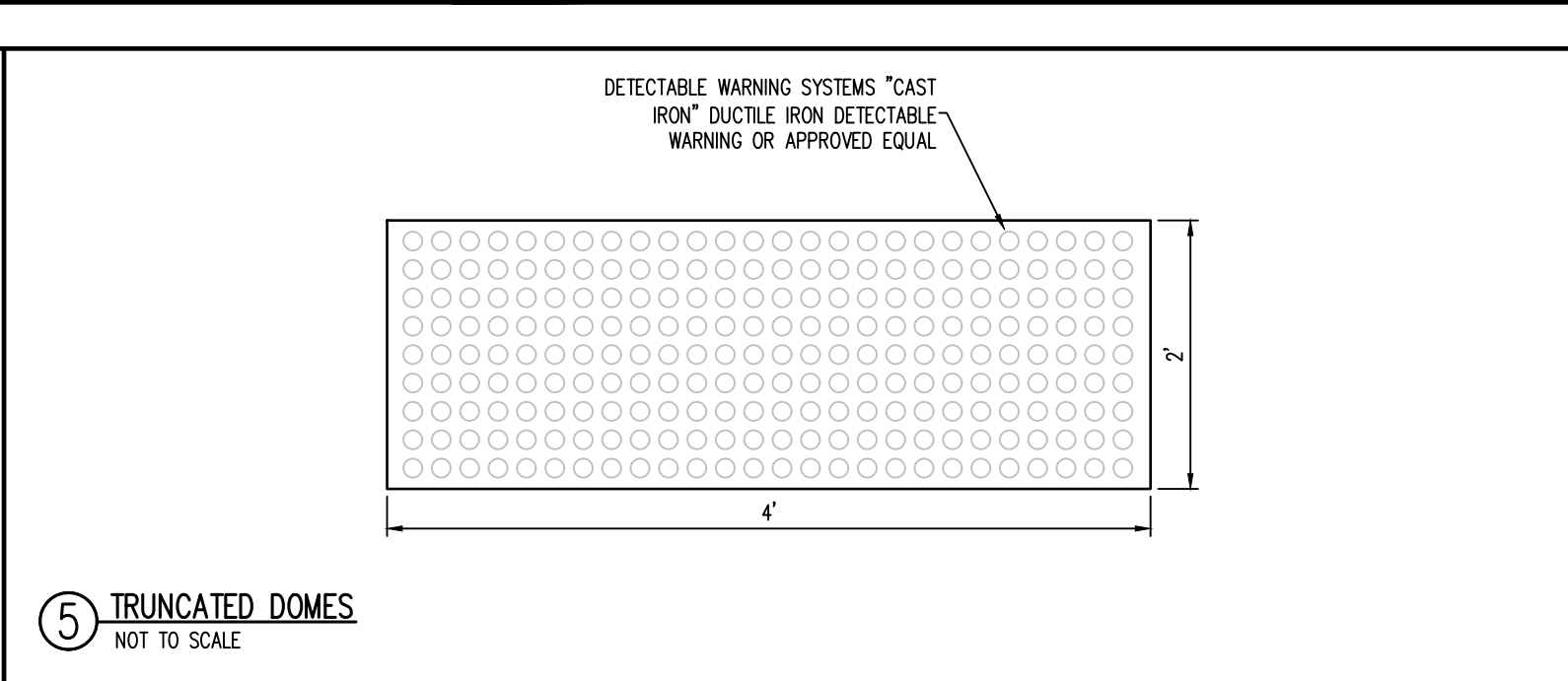
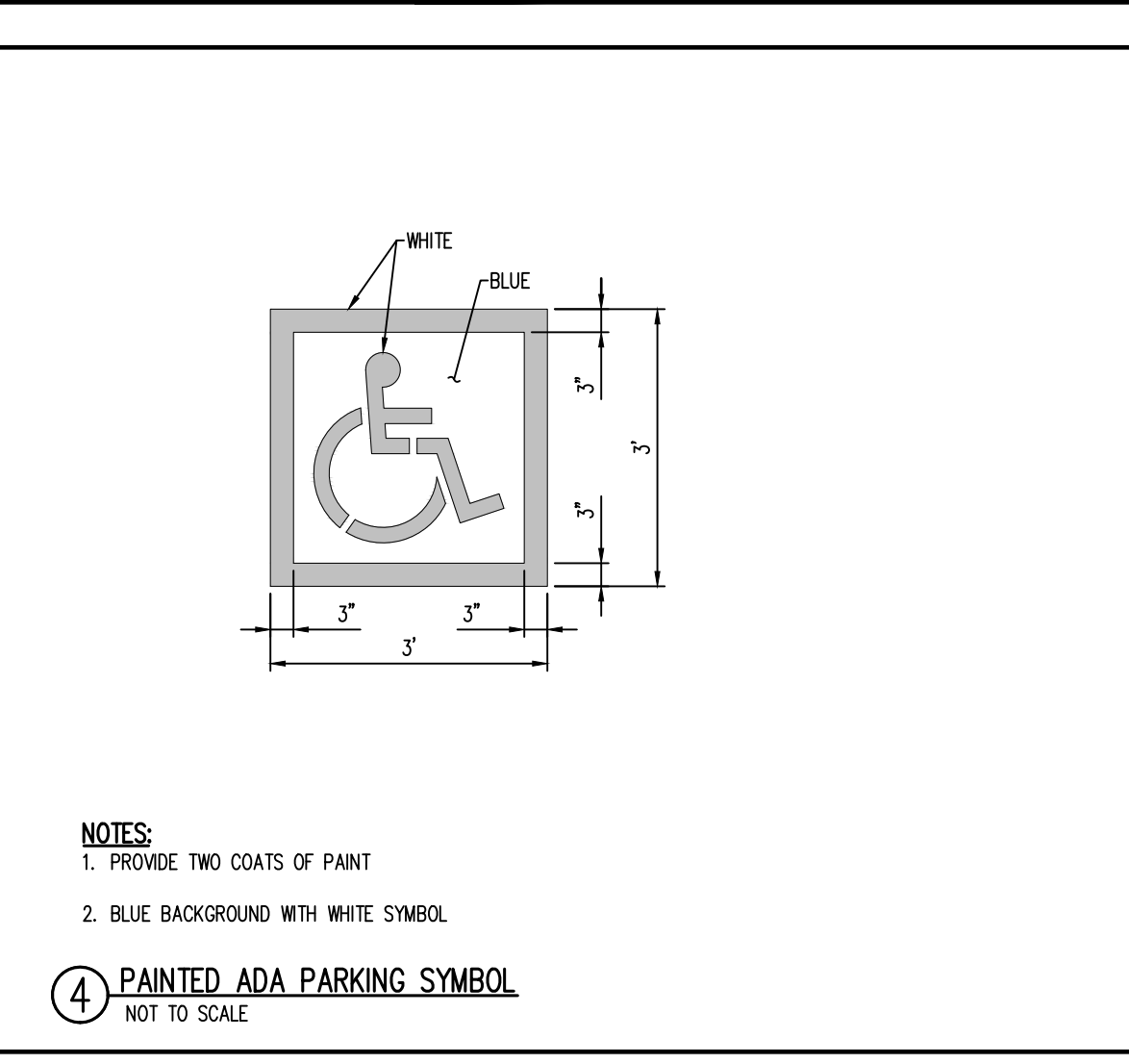
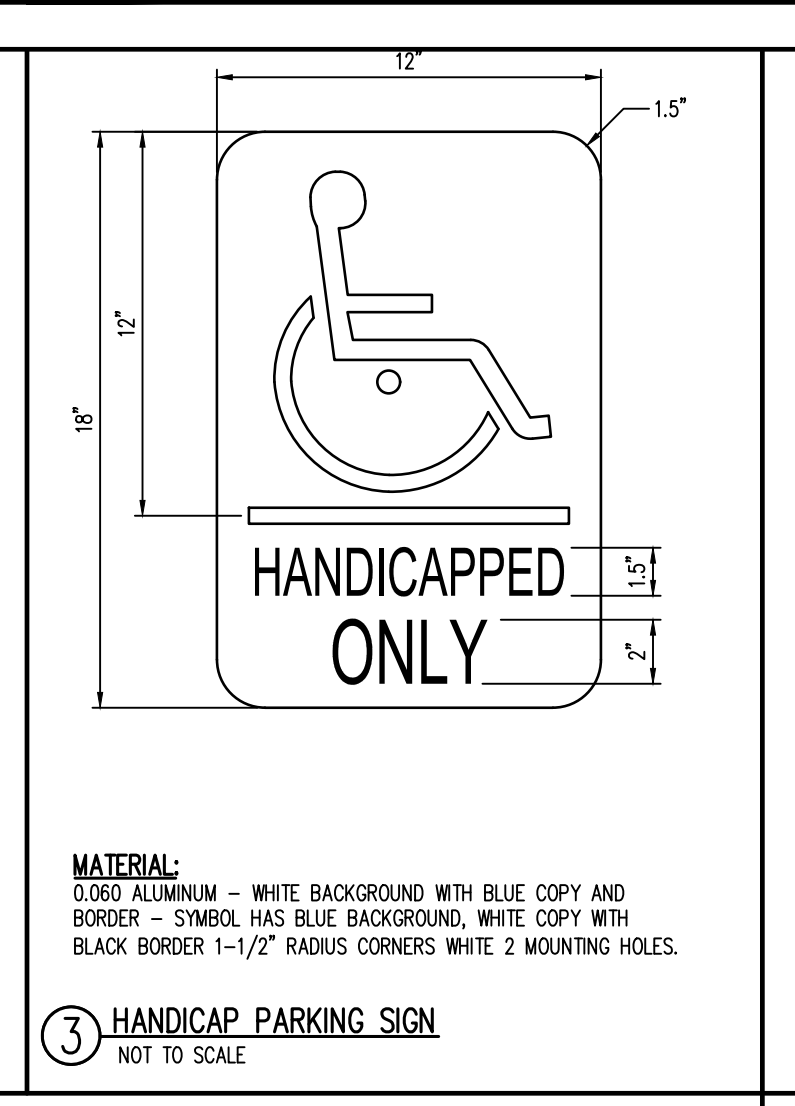
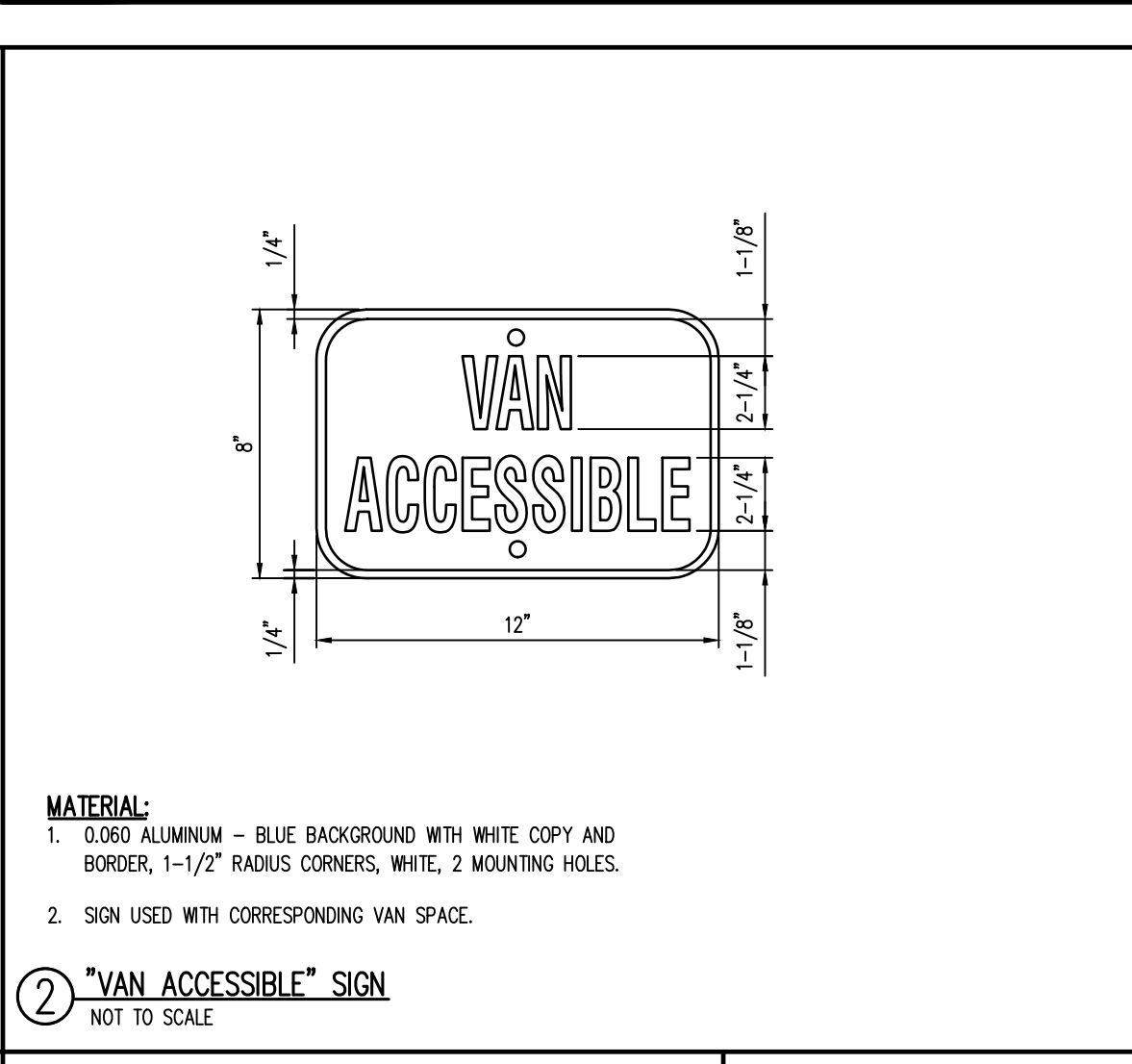
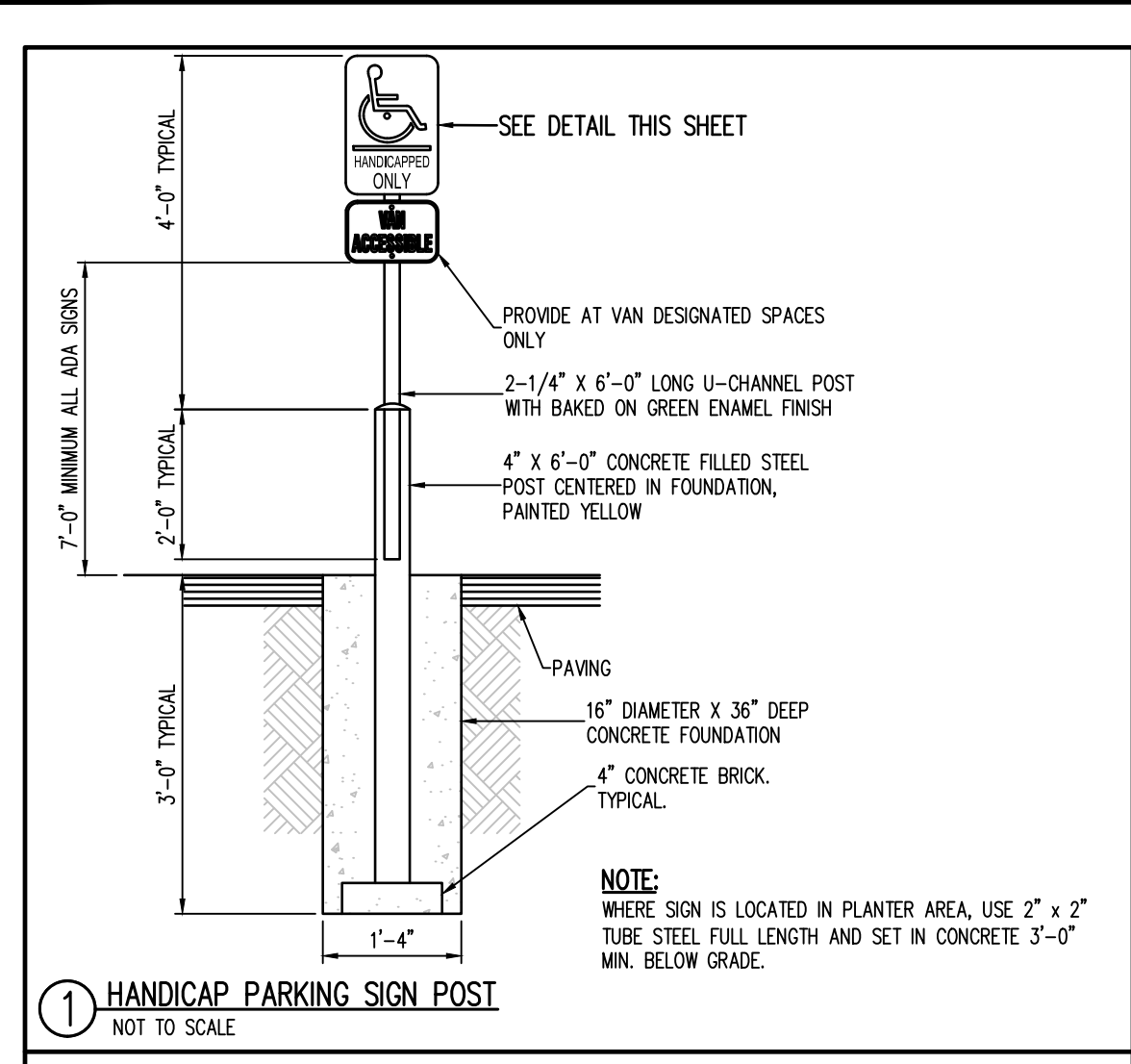
TRACT A, BENT GRASS EAST COMMERCIAL, PL. NO. 2
 OWNER: BENT GRASS METRO DISTRICT
 TAX SCHEDULE # 5.301104062

LOT 3 FALCON RANCHETTES
 OWNER: GARCIA, EDUARDO T.
 TAX SCHEDULE # 5.30101003

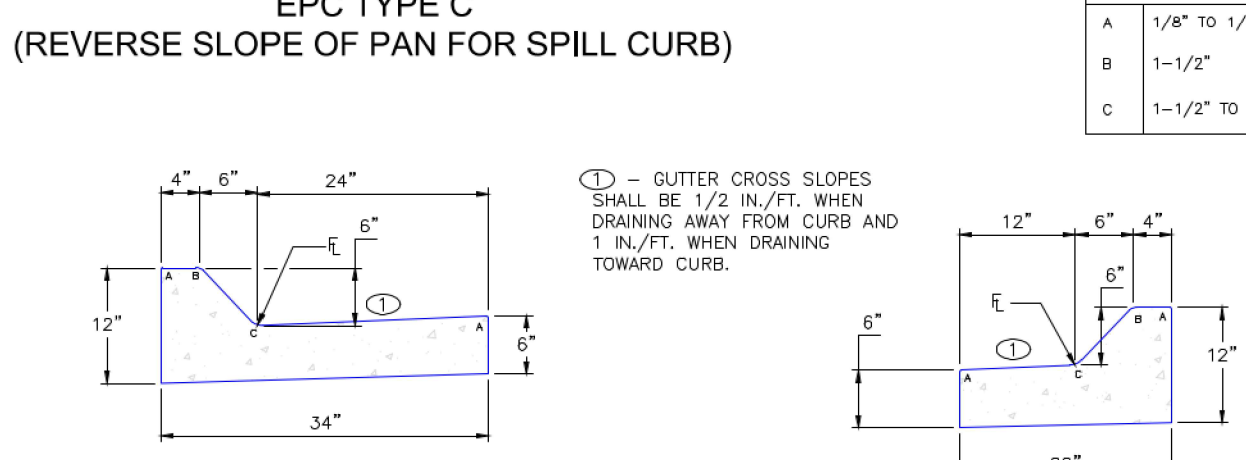
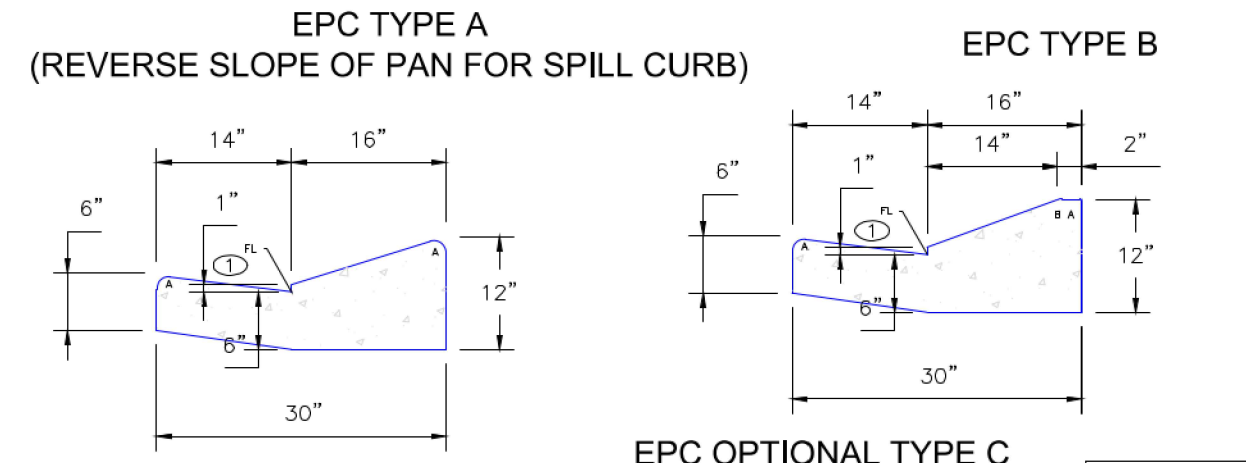
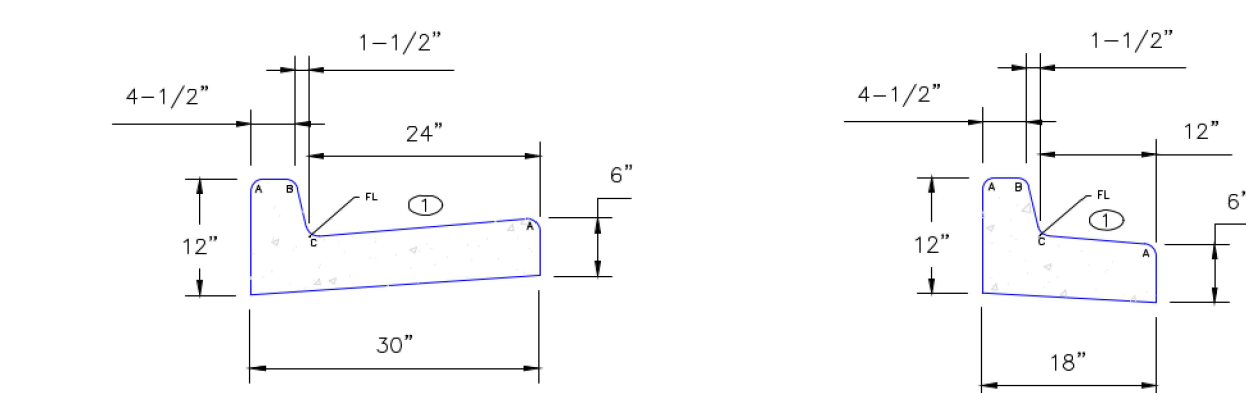
LOT 13 FALCON RANCHETTES
 OWNER: GARRET, WILLIAM C.
 TAX SCHEDULE # 5.301001013

LOT 14 FALCON RANCHETTES
 OWNER: TEXER, MIKE D.
 TAX SCHEDULE # 5.301001014

LOT 15 FALCON RANCHETTES
 OWNER: HAGAN, JAMES D.
 TAX SCHEDULE # 5.301001015



#	Date	Issue / Description	Init.

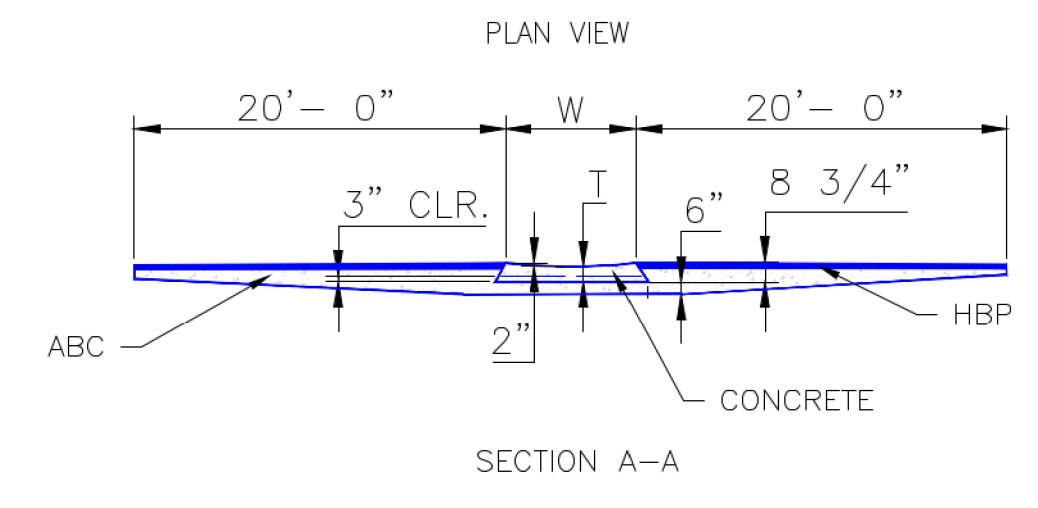
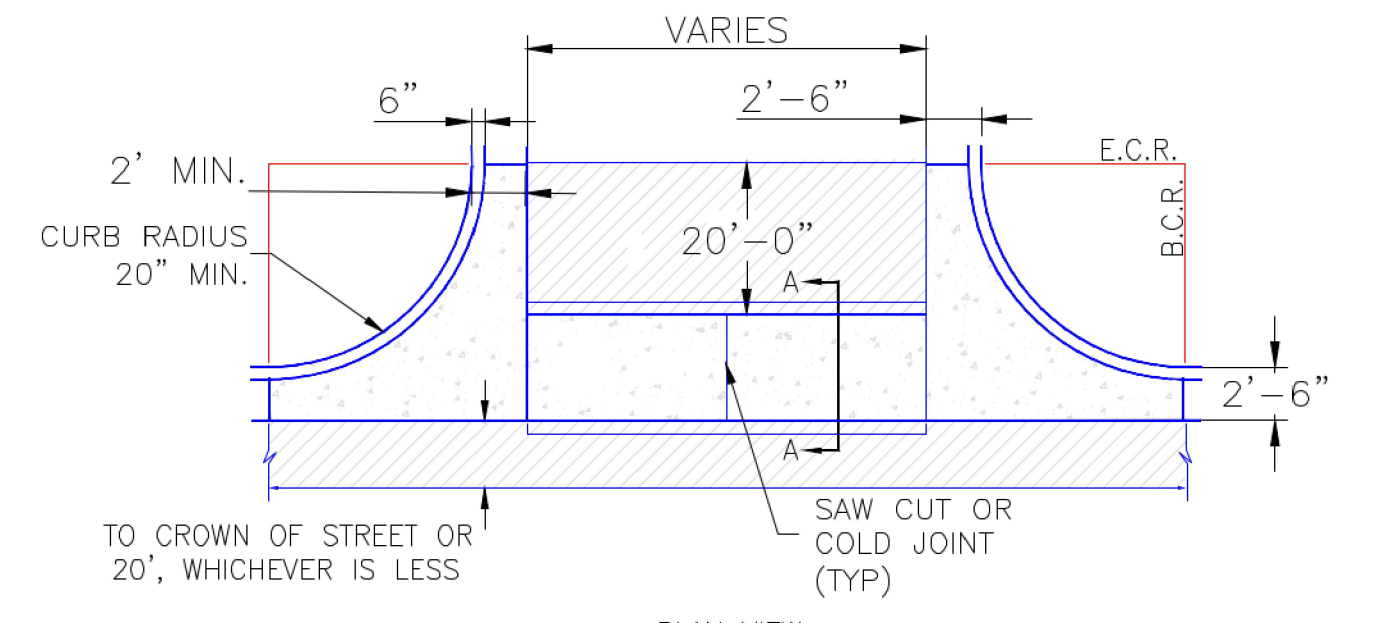


A	1/8" TO 1/4"
B	1-1/2"
C	1-1/2" TO 2"

\odot - GUTTER CROSS SLOPES SHALL BE 1/2 IN./FT. WHEN DRAINING AWAY FROM CURB AND 1 IN./FT. WHEN DRAINING TOWARD CURB.

SCALE: NOT TO SCALE

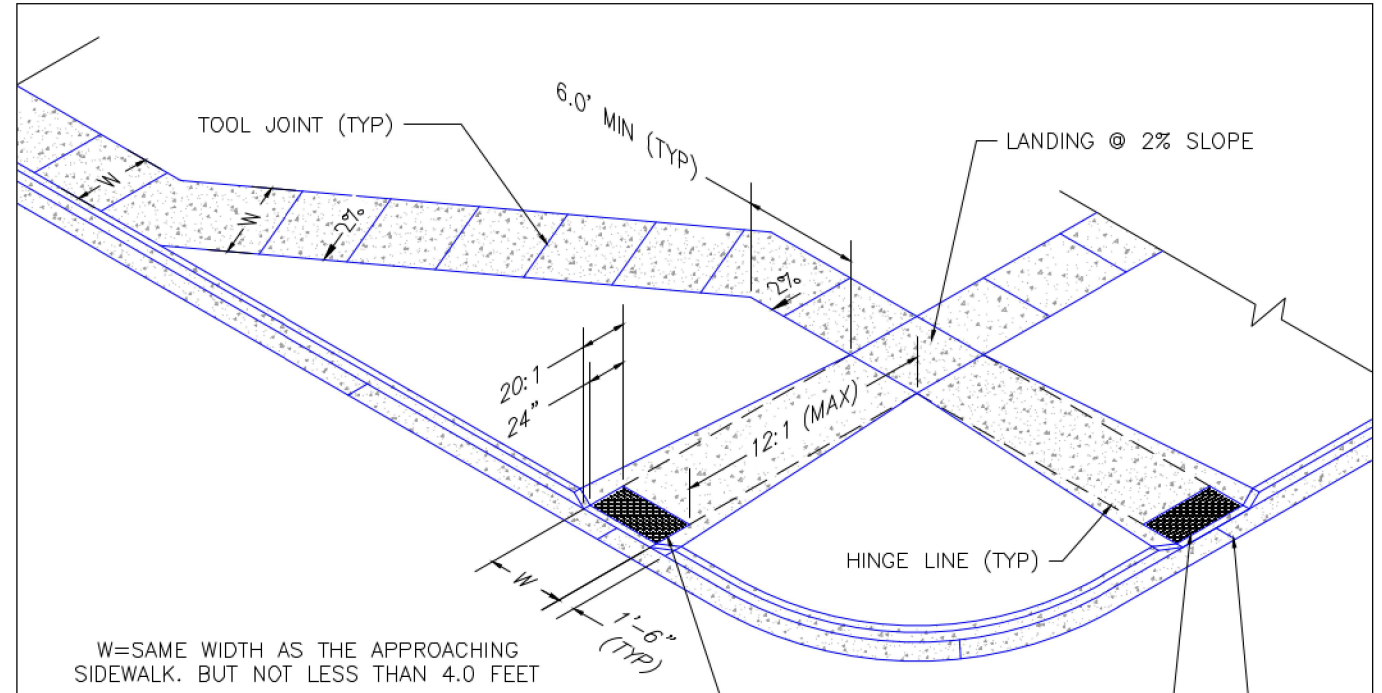
8/11/11	Typical Curb and Gutter Details Standard Drawing	EL PASO COUNTY DEPARTMENT OF TRANSPORTATION
André P. Brackin		
REVISION DATE:	12/8/15	FILE NAME:
		SD_2-20



- NOTES
1. W - WIDTH SHALL BE 6' FOR LOCAL, 8' FOR COLLECTORS, AND 10' FOR ARTERIAL ROADS.
 2. T - SQUARED-OFF RETURN TO BE POURED MONOLITHICALLY, 8" PCC FOR LOCAL ROADS, 9" FOR COLLECTORS WITH 6x6 - 4.4 W.W.F. OR #4 REINFORCING BAR @ 18" EACH WAY.
 3. \square = 3" MINIMUM ASPHALT DEPTH (2 LIFTS).
 4. DESIGN TO SPECIFY ELEVATIONS AT PI AND PCR.

SCALE: NOT TO SCALE

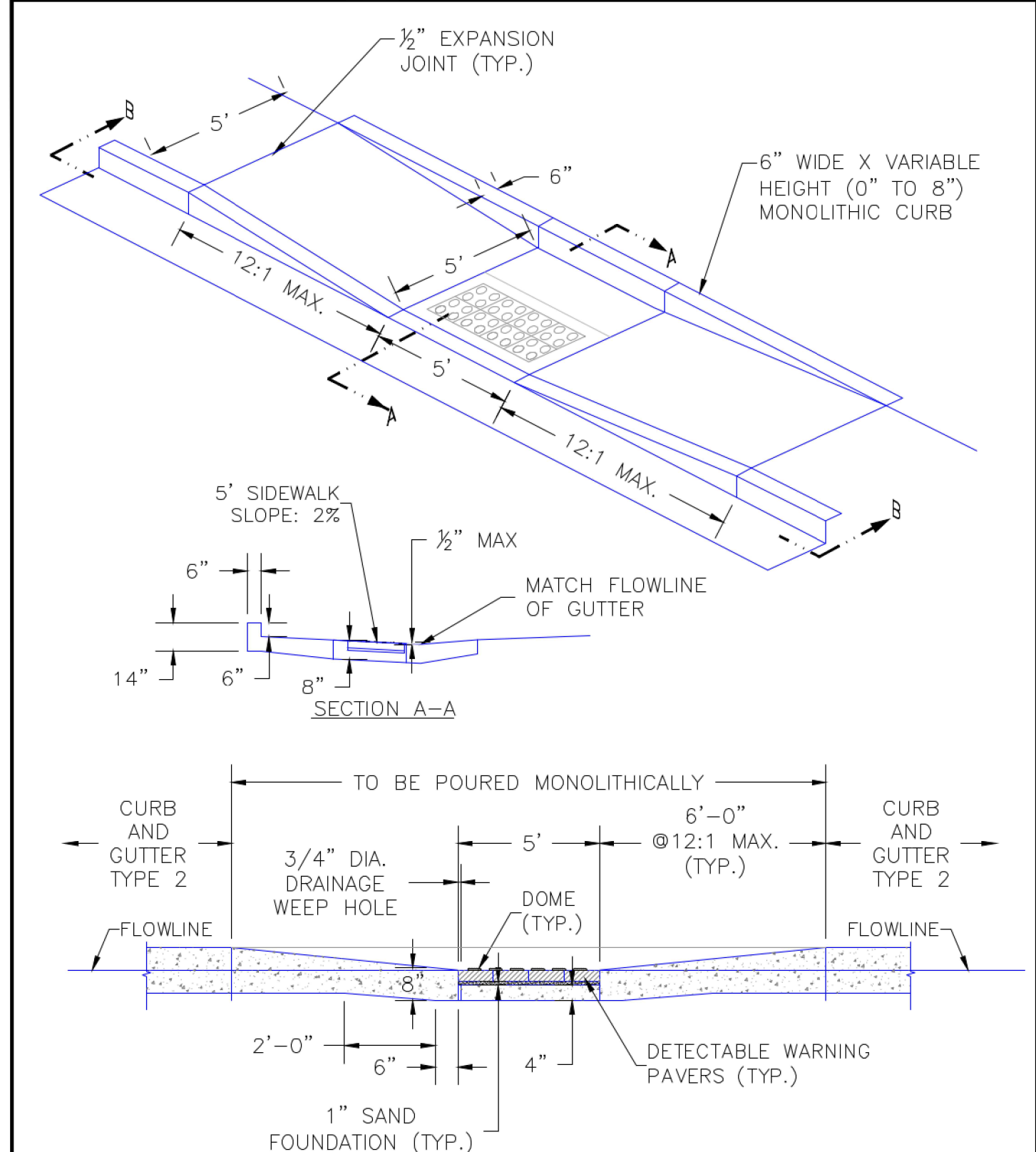
8/11/11	Typical Cross Pan Layout Detail Standard Drawing	EL PASO COUNTY DEPARTMENT OF TRANSPORTATION
André P. Brackin		
REVISION DATE:	12/8/15	FILE NAME:
		SD_2-26



- PEDESTRIAN RAMP NOTES
1. ALL WORK SHALL BE DONE IN ACCORDANCE WITH THE CURRENT ENGINEERING CRITERIA MANUAL AND ADA REQUIREMENTS.
 2. CONTRACTOR TO NOTIFY ENGINEERING DIVISION INSPECTION STAFF 48 HOURS PRIOR TO CONCRETE PLACEMENT.
 3. PEDESTRIAN RAMP CONSTRUCTION SHALL BE A MINIMUM 4,500 PSI CONCRETE, MINIMUM 4" THICK, NON-COLORED, NON-SCORED, COARSE BROOM FINISH.
 4. RAMP LOCATION AND LENGTH MAY REQUIRE MODIFICATION TO MAINTAIN THE 12:1 MAXIMUM RUNNING RAMP SLOPE AND 20:1 DETECTABLE WARNING AREA DUE TO STREET INTERSECTION GRADES AND/OR ALIGNMENTS.
 5. DETECTABLE WARNING AREA SHALL START A MINIMUM OF 6" BUT NOT MORE THAN 8" FROM THE FLOWLINE OF THE CURB AT ANY POINT.
 6. DETECTABLE WARNING AREA SHALL BE PREFABRICATED, REDDISH INTRINSICALLY COLORED, TRUNCATED-DOME, PAVERS. THERMOPLASTIC TRUNCATED DOMES WILL NOT BE ACCEPTED.
 7. THE DETECTABLE WARNING AREA SHALL BE 24" IN LENGTH AND THE FULL WIDTH OF THE RAMP.
 8. RAMP WIDTH REQUIRED IS SAME AS APPROACHING SIDEWALK; 4' MINIMUM.
 9. ALL RAMP WILL BE PERPENDICULAR TO TRAFFIC WITH THE EXCEPTION OF MID-BLOCK OR TERMINAL RAMP WHICH MAY BE PARALLEL. SUBJECT TO APPROVAL.
 10. AVOID PLACING DRAINAGE STRUCTURES, TRAFFIC SIGNALS/SIGNAGE, UTILITIES/JUNCTION BOXES, OR OTHER OBSTRUCTIONS WITHIN PROPOSED RAMP AREAS.
- GENERAL NOTES
1. WHERE THE 1'-6" FLARED SIDE(S) OF A PERPENDICULAR CURB RAMP IS (ARE) CONTIGUOUS WITH A PEDESTRIAN OR HARD SURFACE AREA, THE MAXIMUM FLARE SLOPE SHALL NOT EXCEED 10:1.
 2. PEDESTRIAN WALKWAY AND/OR LOCATION OF EXISTING OR FUTURE PEDESTRIAN RAMPS ON OPPOSITE CORNERS SHALL BE REVIEWED BEFORE CONSTRUCTING NEW RAMPS.
 3. AT MARKED PEDESTRIAN CROSSINGS, THE BOTTOM OF THE RAMPS, EXCLUSIVE OF THE FLARE SIDES, SHALL BE TOTALLY CONTAINED WITHIN THE MARKINGS.

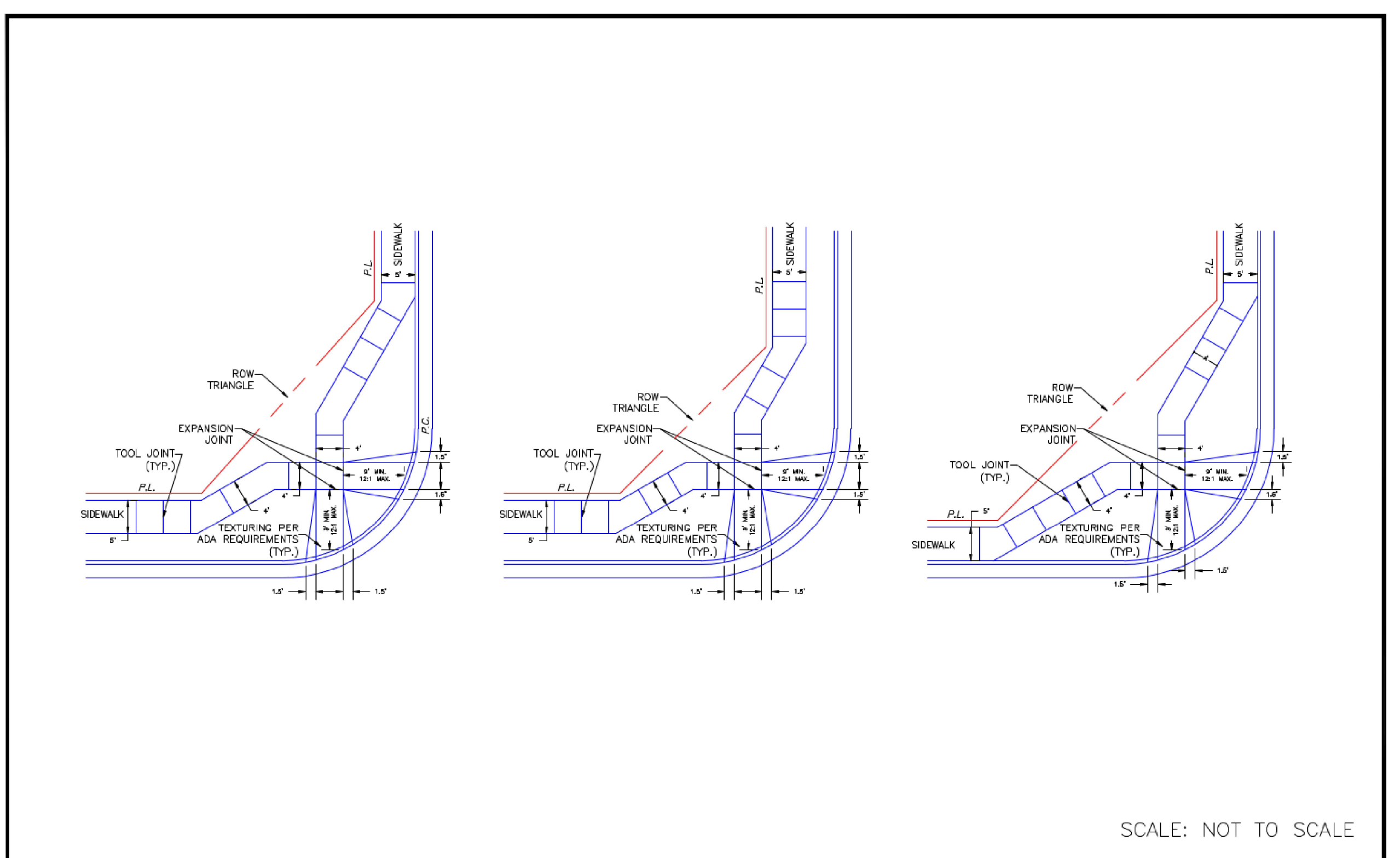
LAYOUT CURB SECTIONS SO THAT AT LEAST ONE TOOL JOINT IS WITHIN RAMP THROAT

7/9/09	Pedestrian Intersection Ramp Standard Drawing	EL PASO COUNTY DEPARTMENT OF TRANSPORTATION
André P. Brackin		
REVISION DATE:	12/8/15	FILE NAME:
		SD_2-41



SCALE: NOT TO SCALE

8/11/11	Parallel Pedestrian Ramp Detail Standard Drawing	EL PASO COUNTY DEPARTMENT OF TRANSPORTATION
André P. Brackin		
REVISION DATE:	12/8/15	FILE NAME:
		SD_2-50



SCALE: NOT TO SCALE

9/16/10	Pedestrian Intersection Ramp Detail Standard Drawing	EL PASO COUNTY DEPARTMENT OF TRANSPORTATION
André P. Brackin		
REVISION DATE:	11/10/04	FILE NAME:
		SD_2-40

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CONSTRUCTION DRAWINGS
MERIDIAN STORAGE
MERIDIAN STORAGE, LLC
 SF-23-XXX
 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:	PUB

SITE DETAILS

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
---	FLOODPLAIN BOUNDARY
X-X-X-X-X	EXISTING FENCE
X-X-X-X-X	PROPOSED FENCE
---	EXISTING GUARDRAIL
---	PROPOSED CURB AND GUTTER
---	EXISTING CURB AND GUTTER
---	EXISTING EDGE OF ASPHALT
---	PROPOSED SIDEWALK
---	PROPOSED TRAIL
---	PROPOSED GRAVEL PER EOM 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

(A) PEDESTRIAN RAMP, SEE DETAILS (EPC SD_2-40 & SD_2-41)

(B) PROPOSED 6' CONCRETE CROSS PAN, SEE DETAIL (EPC SD_2-28)

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.

PAVING LEGEND

---	PROPOSED CONCRETE
---	EXISTING CONCRETE
---	PROPOSED ASPHALT PAVING

BASIS OF BEARING

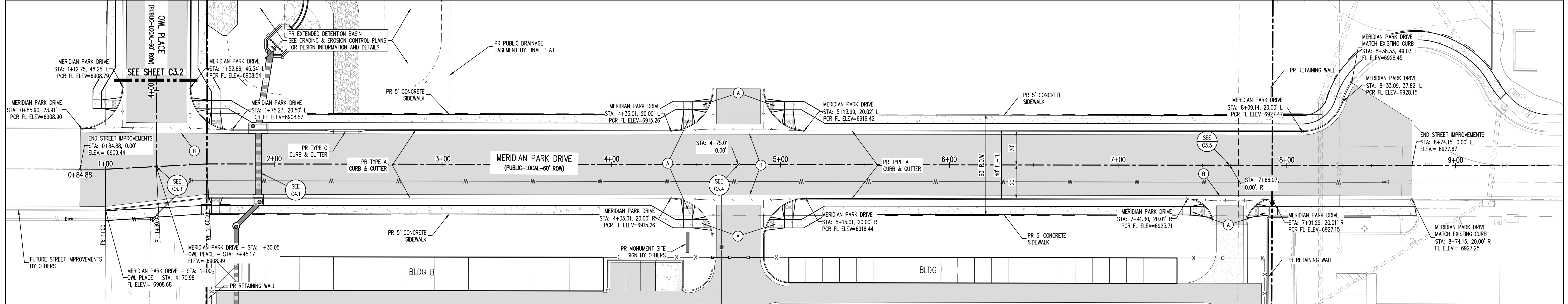
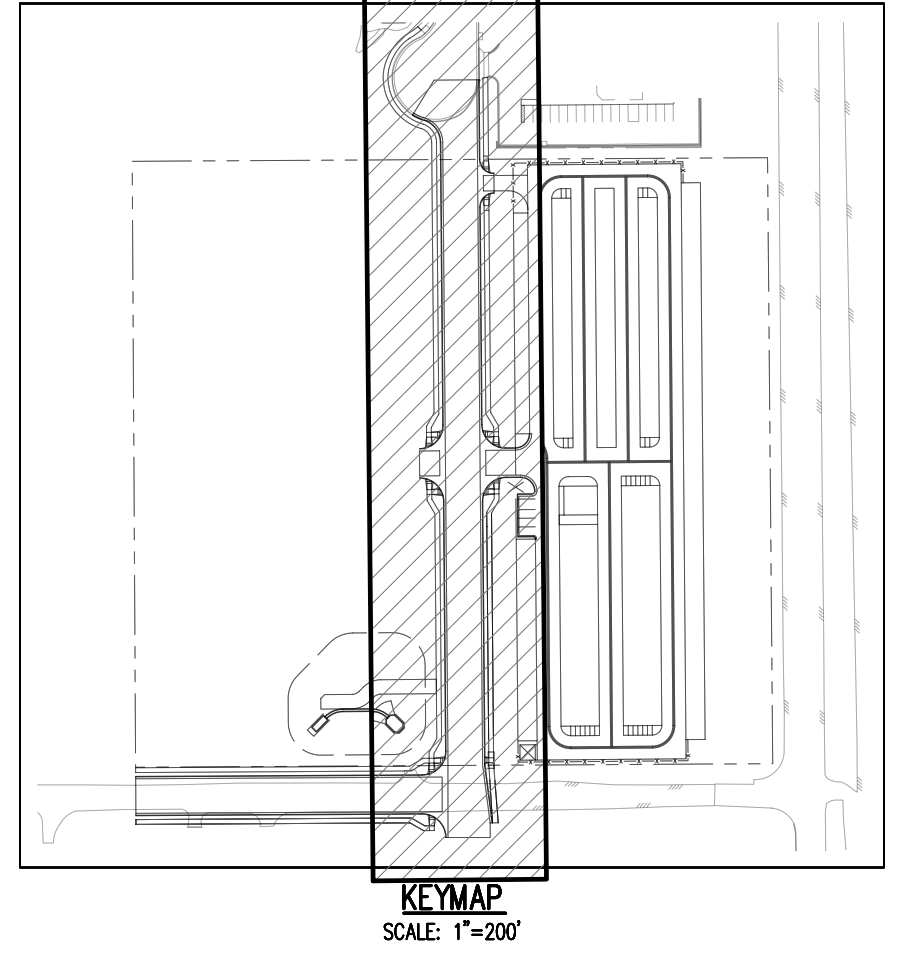
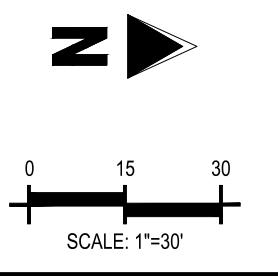
ALL BEARINGS ARE GRID BEARINGS OF THE COLORADO STATE PLANE COORDINATE SYSTEM, CENTRAL ZONE, NORTH AMERICAN DATUM 1983. BEARINGS ARE BASED ON THE SOUTH LINE OF LOTS 2, 3, & 4 OF FALCON RANCHETTES, AND IS CONSIDERED TO BEAR S89°40'45"W, DEFINED BY FOUND MONUMENTS AS FOLLOWS: A NO. 4 REBAR WITH A 1-1/4"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

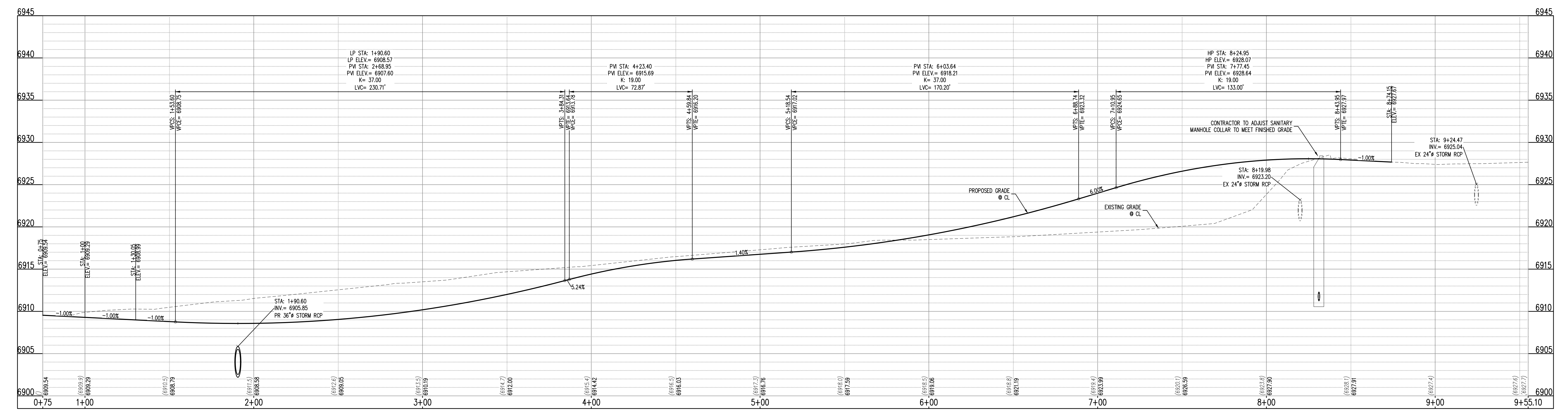
THE SOUTHWEST CORNER OF LOT 1 WOODMEN HILLS FILING NO. 4, MONUMENTED BY A NO. 4 REBAR WITH A YELLOW PLASTIC CAP STAMPED "PLS 2486" NAVD88 ELEVATION = 6947.67

CAUTION - NOTICE TO CONTRACTOR

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



MERIDIAN DRIVE PARK (STA: 0+75 - 9+55.10)
SCALE: HORIZONTAL 1"=20', VERTICAL 1"=4'

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CONSTRUCTION DRAWINGS
MERIDIAN STORAGE
MERIDIAN STORAGE, LLC
SF-23-XXX

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: PUB

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CONSTRUCTION DRAWINGS
MERIDIAN STORAGE
MERIDIAN STORAGE, LLC
SF-23-XXX

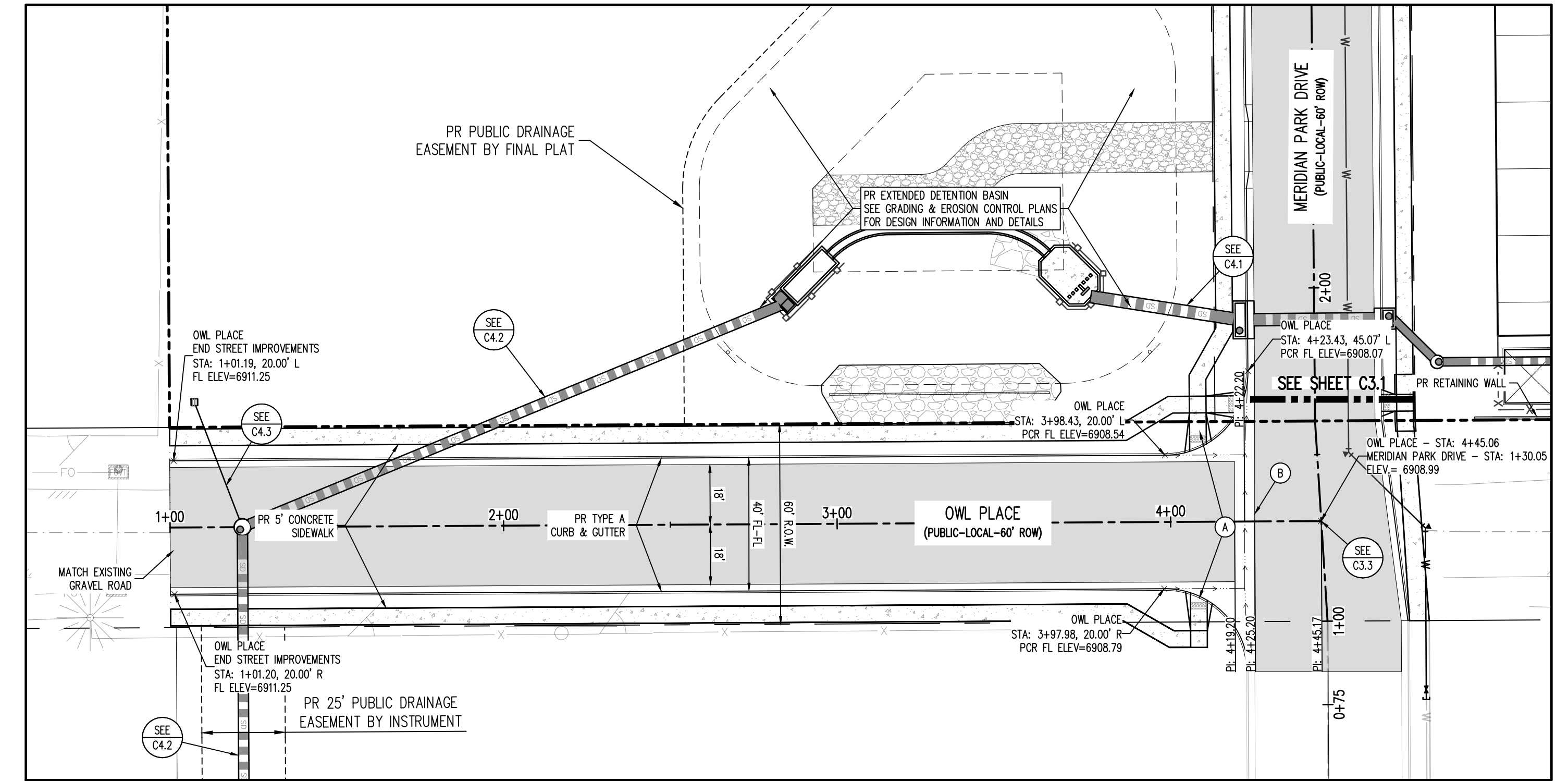
STATE OF COLORADO, MERIDIAN ROAD & OWL PLACE
EL PASO COUNTY, FALCON, CO 80931

#	Date	Issue / Description	Init.

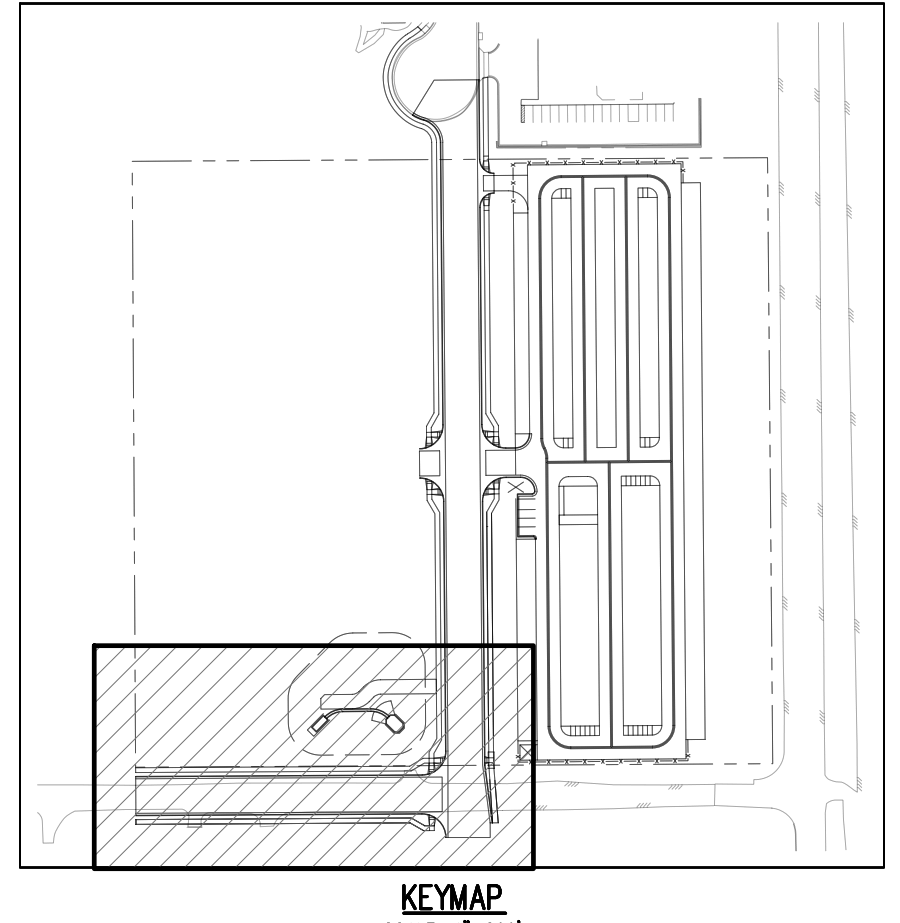
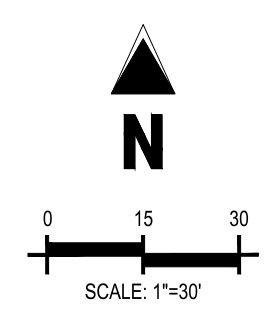
Project No:	MRS01
Drawn By:	JDM
Checked By:	CMWJ
Date:	PUB

OWL PLACE

C3.2
Sheet 9 of 25



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



UTILITY LEGEND

- W — EXISTING WATER LINE
- W — PROPOSED WATER LINE
- SS — EXISTING SANITARY SEWER
- SS — PROPOSED SANITARY SEWER
- S — EXISTING STORM SEWER
- S — PROPOSED STORM SEWER
- G — EXISTING GAS LINE
- G — PROPOSED GAS LINE
- T — EXISTING UNDERGROUND TELEPHONE
- T — EXISTING OVERHEAD ELECTRIC
- FO — EXISTING FIBER OPTIC LINE
- FO — EXISTING FIBER OPTIC STRUCTURES
- T — EXISTING TELEPHONE PEDESTAL
- T — EXISTING ELECTRIC TRANSFORMER
- P — EXISTING POWER POLE
- S — EXISTING STREET LIGHT
- S — PROPOSED STREET LIGHT
- M — PROPOSED WATER METER
- V — EXISTING WATER VALVE
- V — PROPOSED WATER VALVE
- H — EXISTING FIRE HYDRANT
- H — PROPOSED FIRE HYDRANT
- M — EXISTING STORM SEWER MANHOLE
- M — PROPOSED STORM SEWER MANHOLE
- M — EXISTING SANITARY SEWER MANHOLE
- M — PROPOSED SANITARY SEWER MANHOLE

SITE LEGEND

- P — PROJECT BOUNDARY LINE
- A — ADJACENT PROPERTY BOUNDARY LINE
- R — RIGHT OF WAY LINE
- L — EXISTING ADJACENT LOT LINE
- L — PROPOSED LOT LINE
- E — EXISTING EASEMENT LINE
- E — PROPOSED EASEMENT LINE
- C — PROPOSED ROAD CENTERLINE
- C — EXISTING ROAD CENTERLINE
- R — PROPOSED RIDGE LINE
- S — PROPOSED SWALE LINE
- S — EXISTING SWALE LINE
- F — EXISTING FENCE
- F — PROPOSED FENCE
- G — EXISTING GUARDRAIL
- G — PROPOSED CURB AND GUTTER
- G — EXISTING CURB AND GUTTER
- E — EXISTING EDGE OF ASPHALT
- S — PROPOSED SIDEWALK
- T — PROPOSED TRAIL
- G — PROPOSED GRAVEL PER EDM TABLE D-7
- P — RIPRAP OUTFALL PADS
- S — EXISTING SIGN
- S — PROPOSED SIGN
- B — PROPOSED BOLLARDS

PAVING LEGEND

- C — PROPOSED CONCRETE
- C — EXISTING CONCRETE
- A — 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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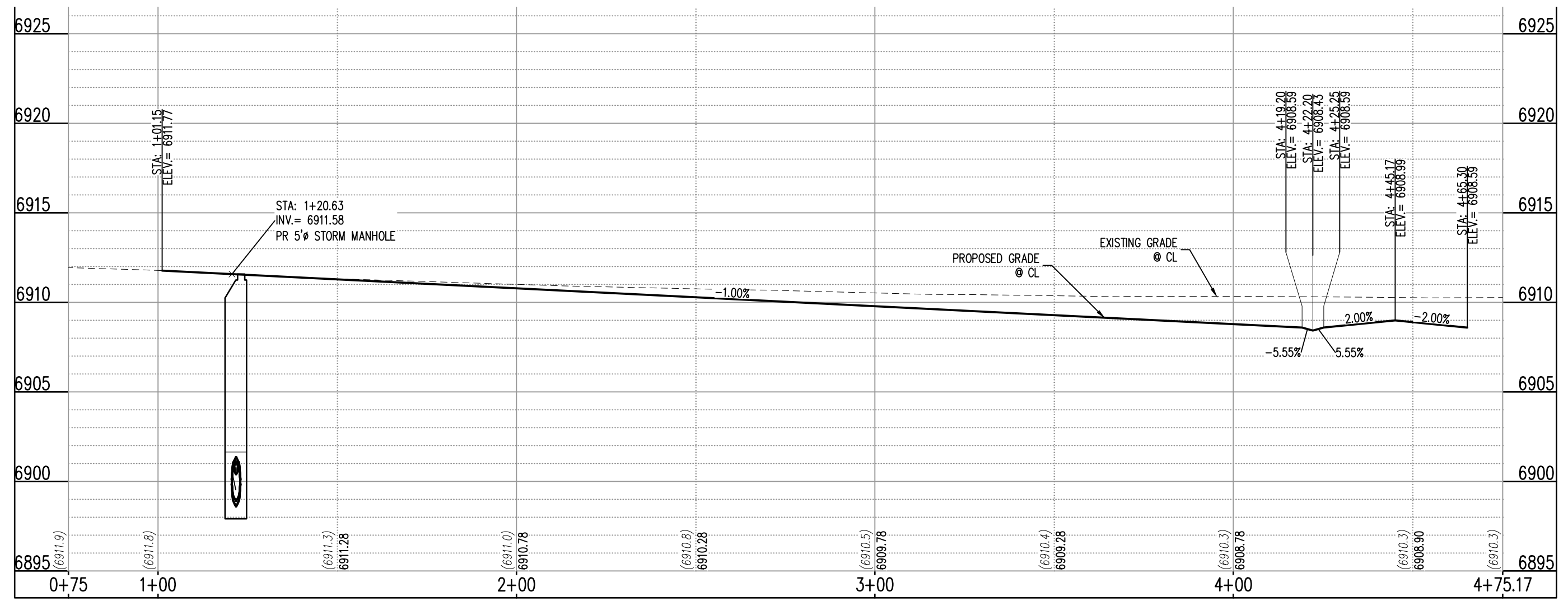
BENCHMARK

THE SOUTHWEST CORNER OF LOT 1 WOODMEN HILLS FLING NO. 4, MONUMENTED BY A NO. 4 REBAR WITH A YELLOW PLASTIC CAP STAMPED "7LS 24964" NAVD88 ELEVATION = 6947.67

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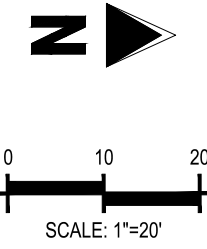
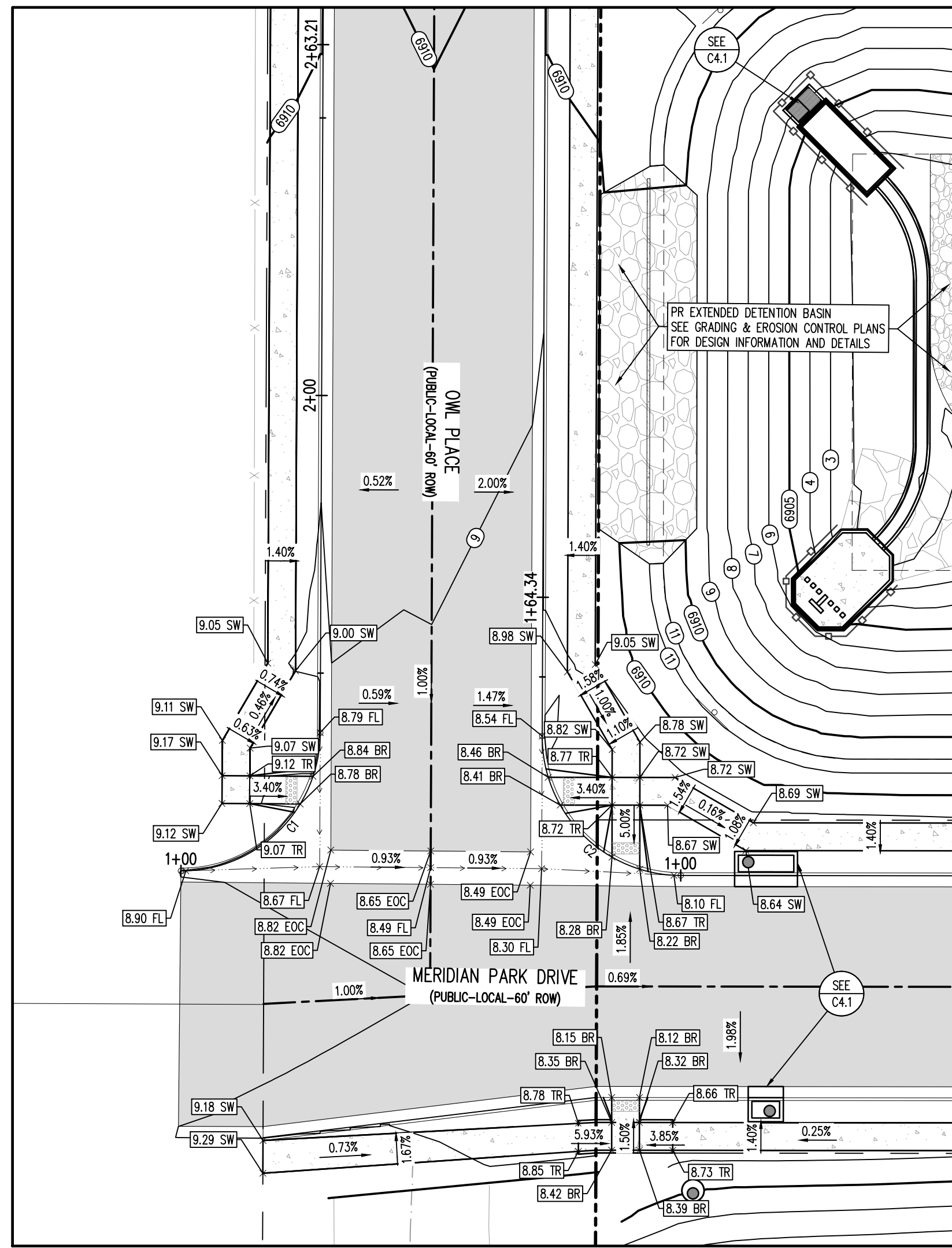
OWL PLACE (STA: 0+75 - 4+75.17)
SCALES: HORIZONTAL 1"=20', VERTICAL 1"=4'

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CONSTRUCTION DRAWINGS
 MERIDIAN STORAGE
 MERIDIAN STORAGE, LLC
 SF-23-XXX

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



OWL PLACE
 (PUBLIC-LOCAL-60' ROW)
 MERIDIAN PARK DRIVE
 (PUBLIC-LOCAL-60' ROW)
 25 MPH DESIGN SPEED (LOCAL)
 SCALE: 1"=20'

UTILITY LEGEND

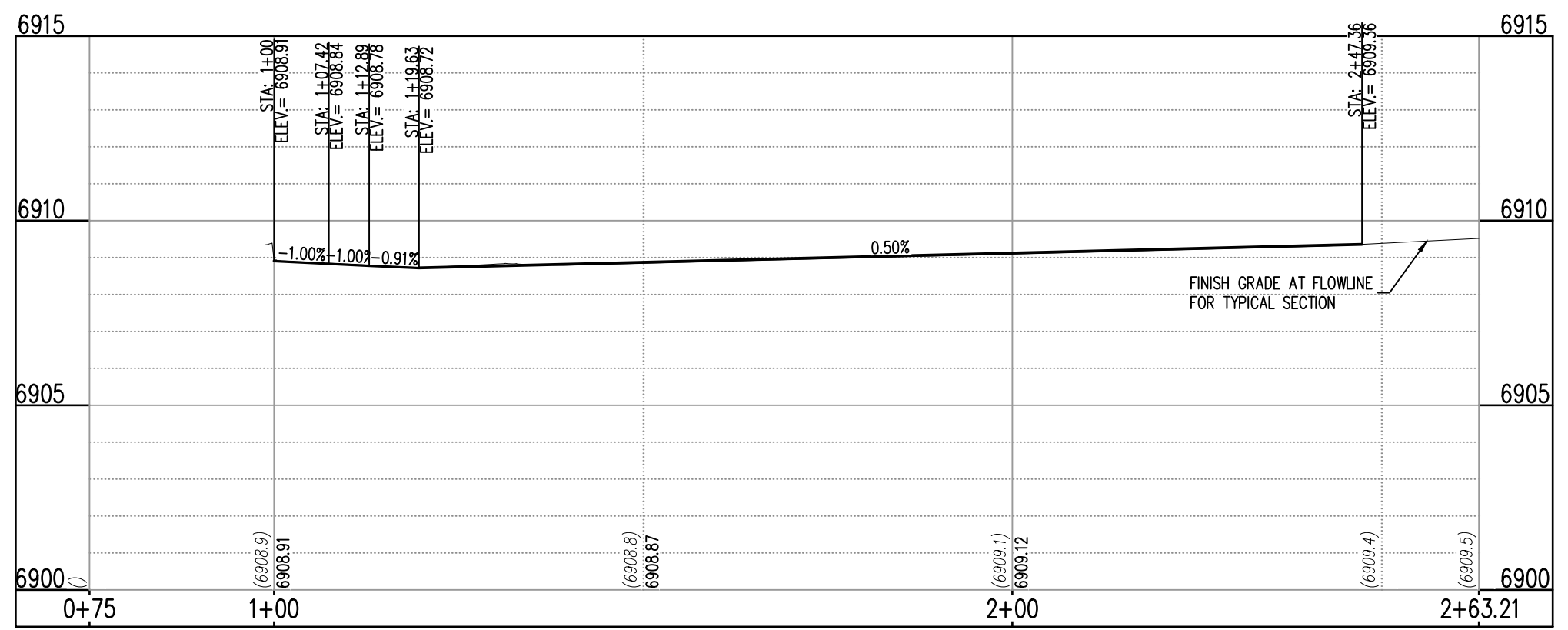
---	EXISTING WATER LINE
---	PROPOSED WATER LINE
---	EXISTING SANITARY SEWER
---	PROPOSED SANITARY SEWER
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---	PROPOSED STORM SEWER
---	EXISTING GAS LINE
---	PROPOSED GAS LINE
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---	PROPOSED STREET LIGHT
---	PROPOSED WATER METER
---	EXISTING WATER VALVE
---	PROPOSED WATER VALVE
---	EXISTING FIRE HYDRANT
---	PROPOSED FIRE HYDRANT
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---	PROPOSED STORM SEWER MANHOLE
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---	PROPOSED SANITARY SEWER MANHOLE

DETAIL GRADING LEGEND

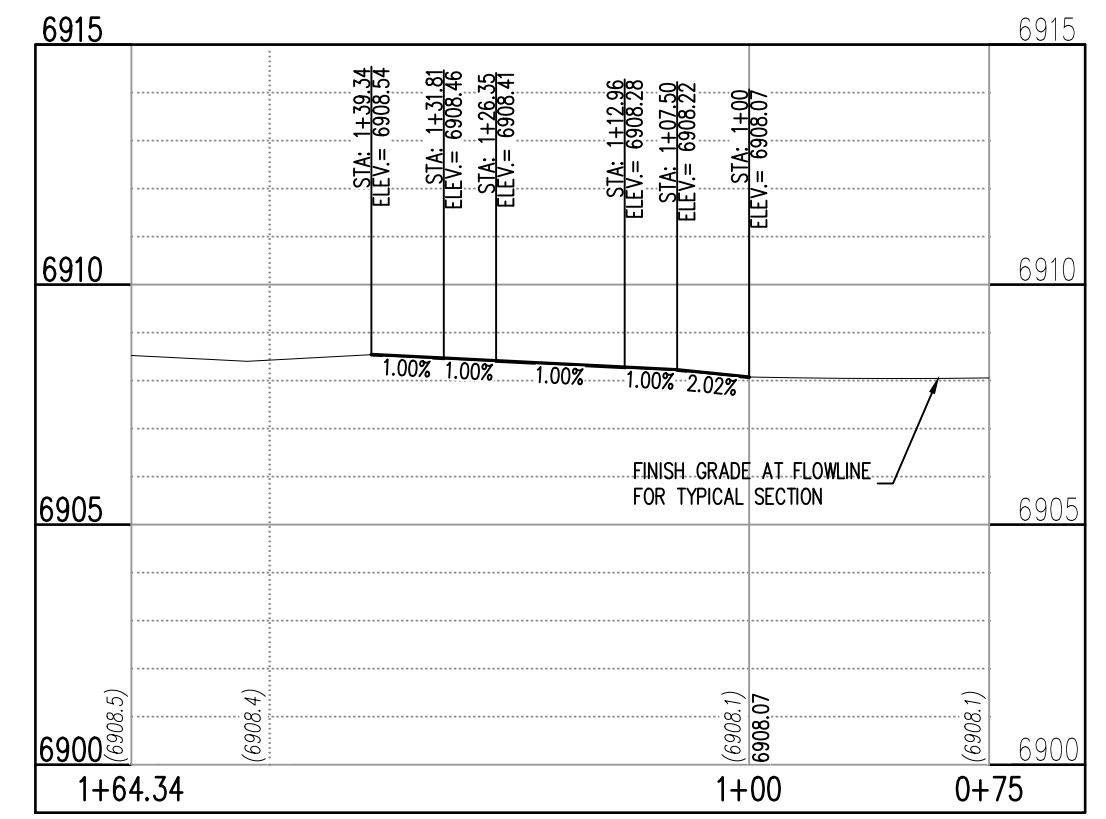
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---	PROPOSED MINOR CONTOUR
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---	PROPOSED SPOT ELEVATION - ROADWAY CENTER LINE
---	PROPOSED SPOT ELEVATION - TOP BACK OF CURB
---	PROPOSED SPOT ELEVATION - LIP OF GUTTER
---	PROPOSED SPOT ELEVATION - FINISHED GRADE
---	PROPOSED SPOT ELEVATION - SIDEWALK
---	PROPOSED SPOT ELEVATION - EDGE OF CONCRETE
---	PROPOSED SPOT ELEVATION - EDGE OF ASPHALT

FLOW LINE CURVE SEGMENT TABLE

CURVE TAG #	DELTA	LENGTH (FT)	RADIUS (FT)	CHORD BEARING	CHORD LENGTH (FT)
C2	90°10'06"	39.34	25.00	S44°35'42"W	35.41
C1	89°59'42"	39.27	25.00	S45°19'24"E	35.35



ST-B & ST-A (LT) (STA: 1+00 - 2+63.21)
 SCALES: HORIZONTAL 1"=20', VERTICAL 1"=4'



ST-B & ST-A (RT) (STA: 1+00 - 1+64.34)
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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 2496A" NAVD88 ELEVATION = 6947.67

CAUTION - NOTICE TO CONTRACTOR

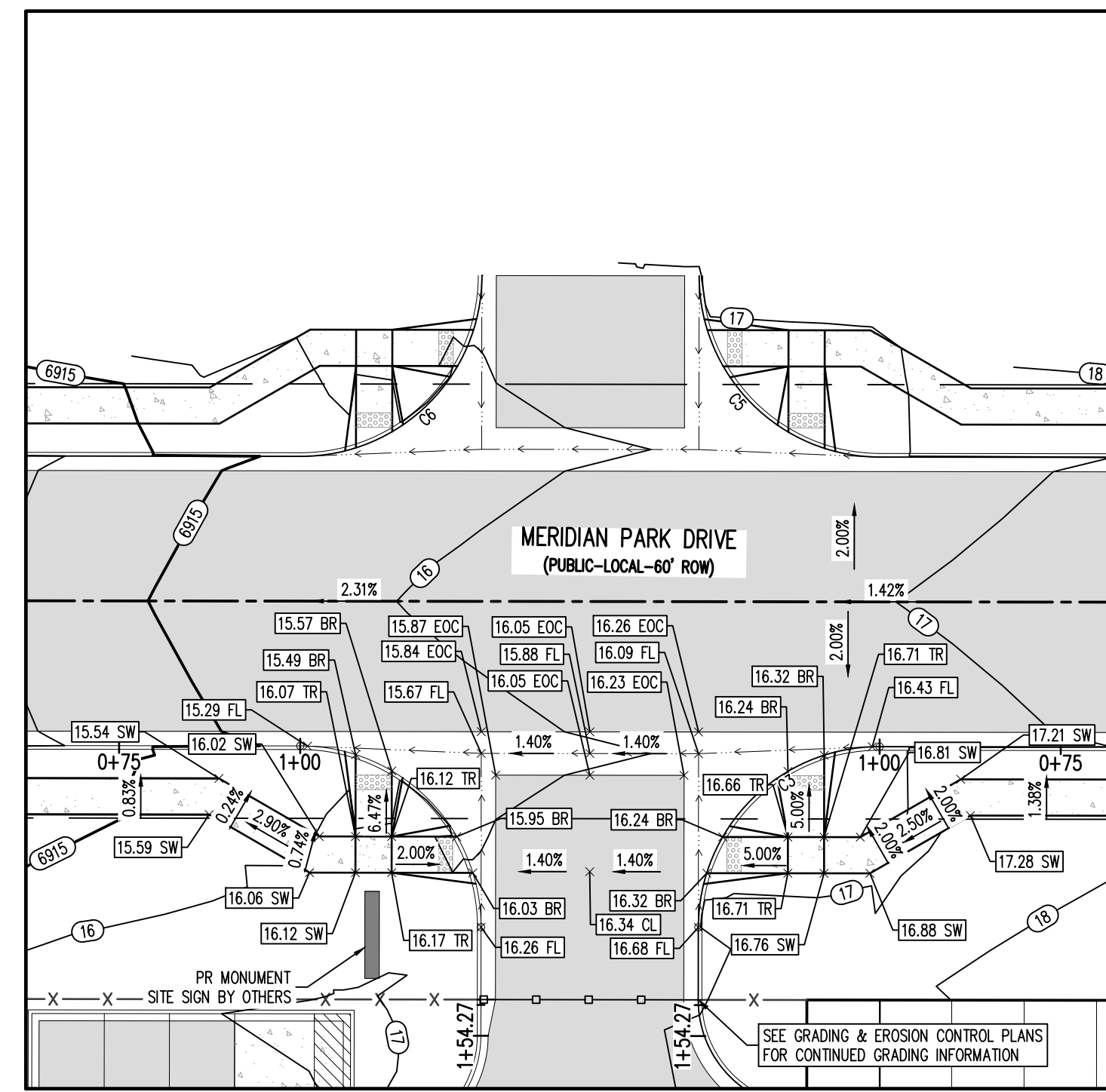
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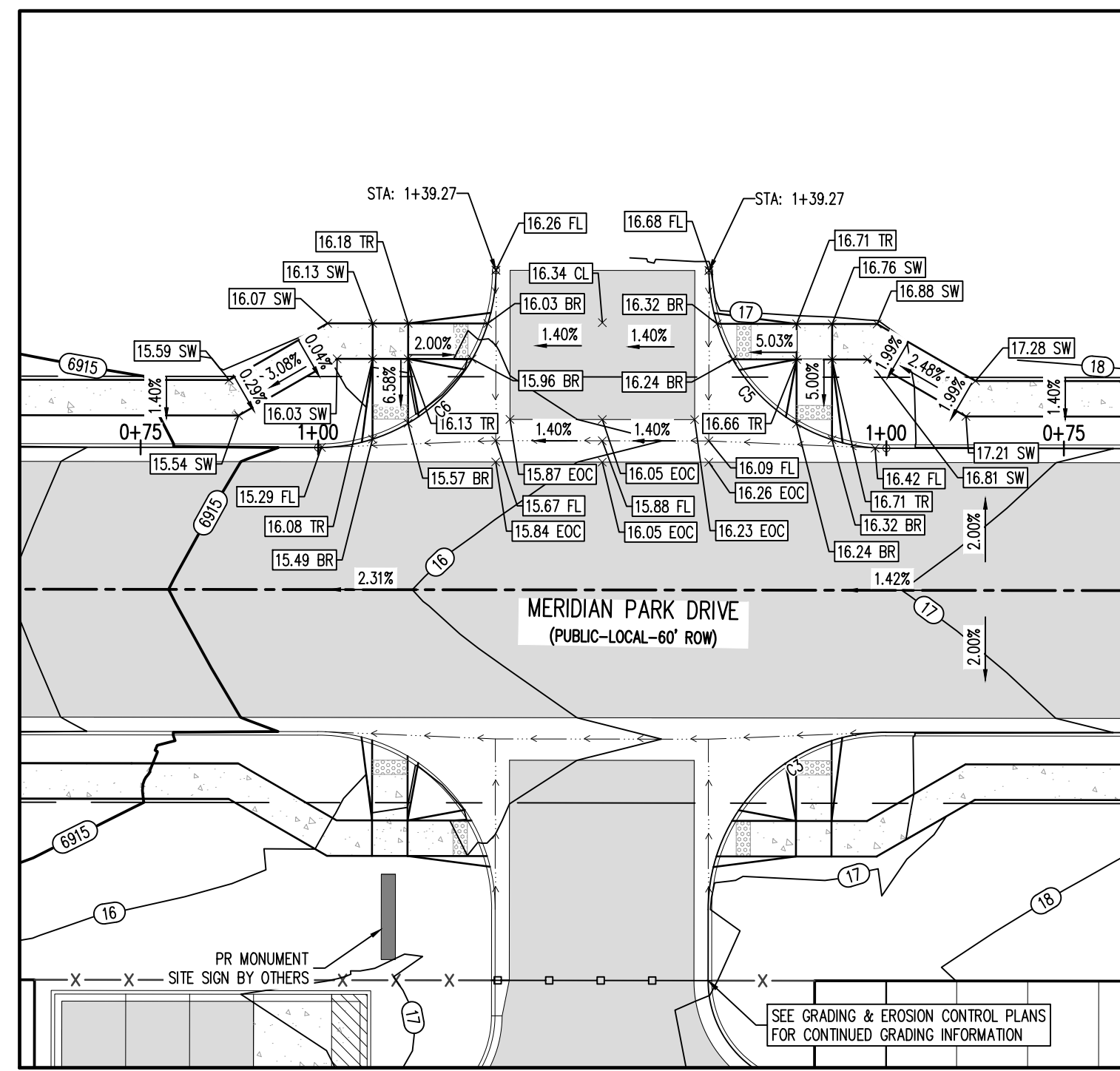
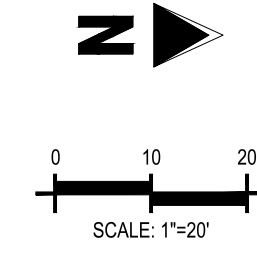
#	Date	Issue / Description	Init.

Project No:	MRS01
Drawn By:	JDM
Checked By:	CMWJ
Date:	PUB

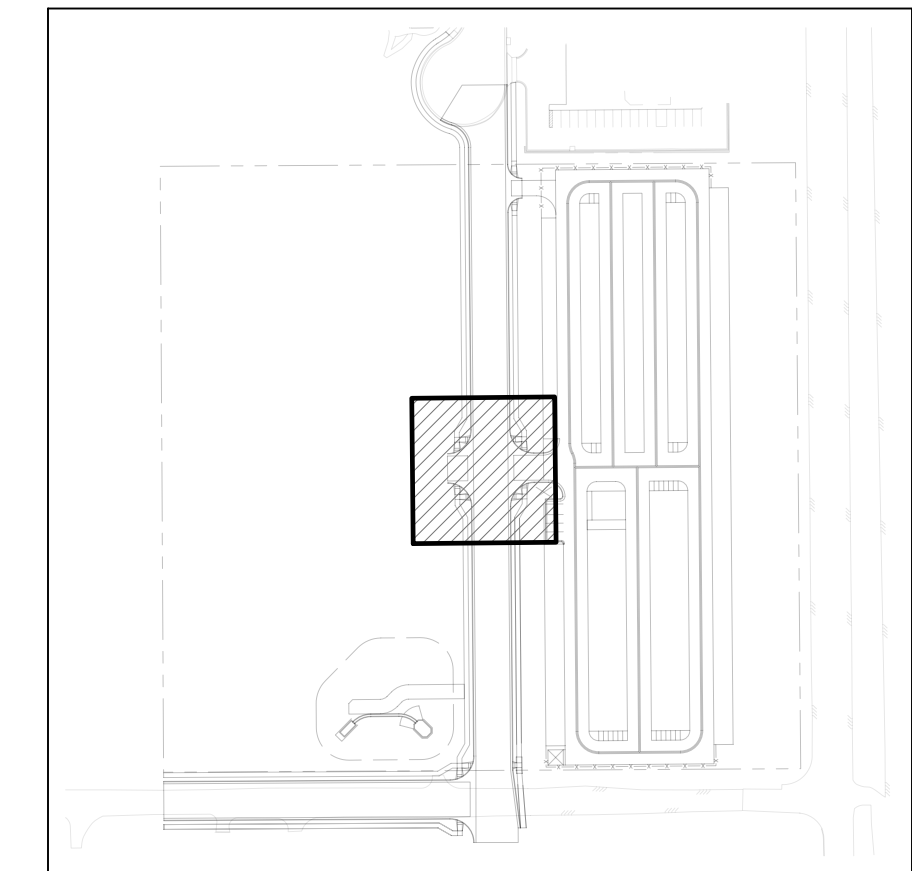
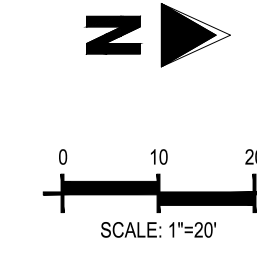
INTERSECTION DETAILS



Meridian Park Drive (B) & Street C (East) - Public 60' R.O.W. 25 MPH Design Speed (Local) SCALE: 1"=20'



Meridian Park Drive (B) & Street C (West) - Public 60' R.O.W. 25 MPH Design Speed (Local) SCALE: 1"=20'

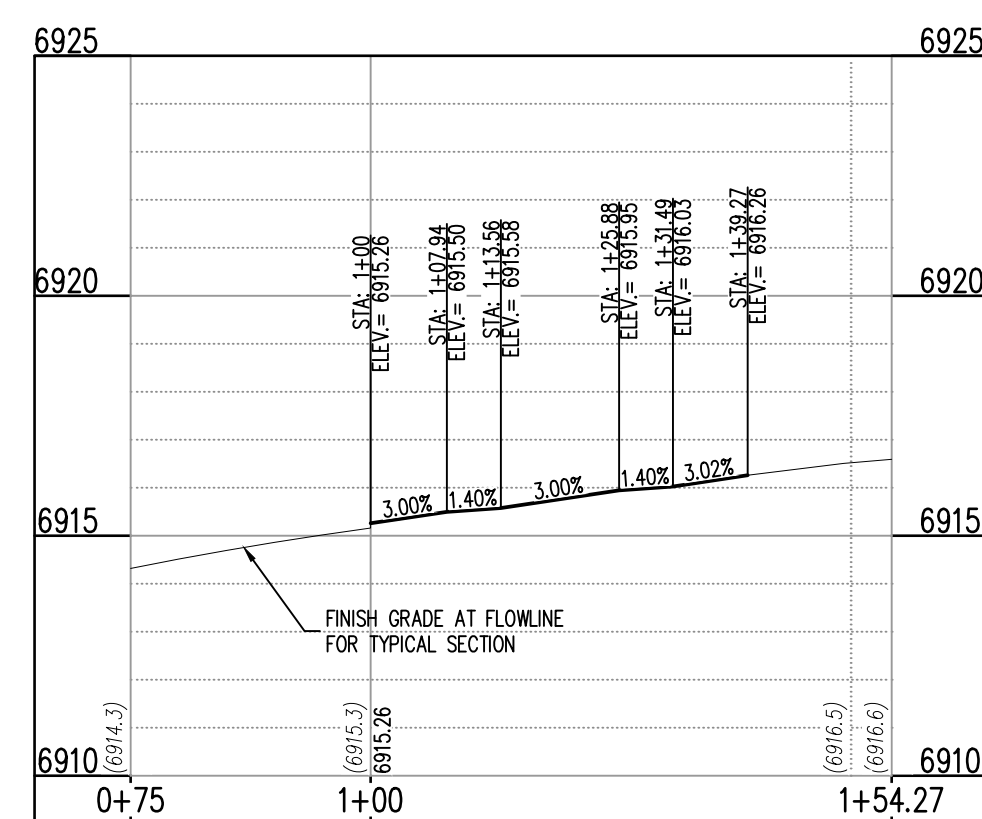


KEYMAP SCALE: 1"=200'

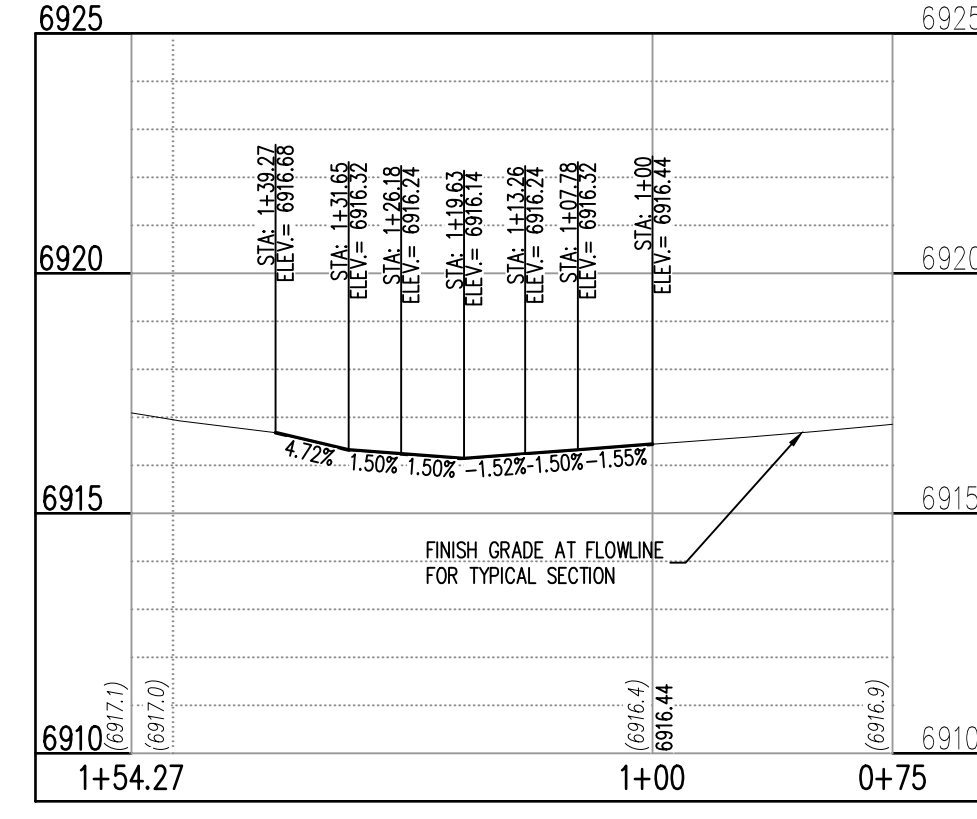
DETAIL GRADING LEGEND

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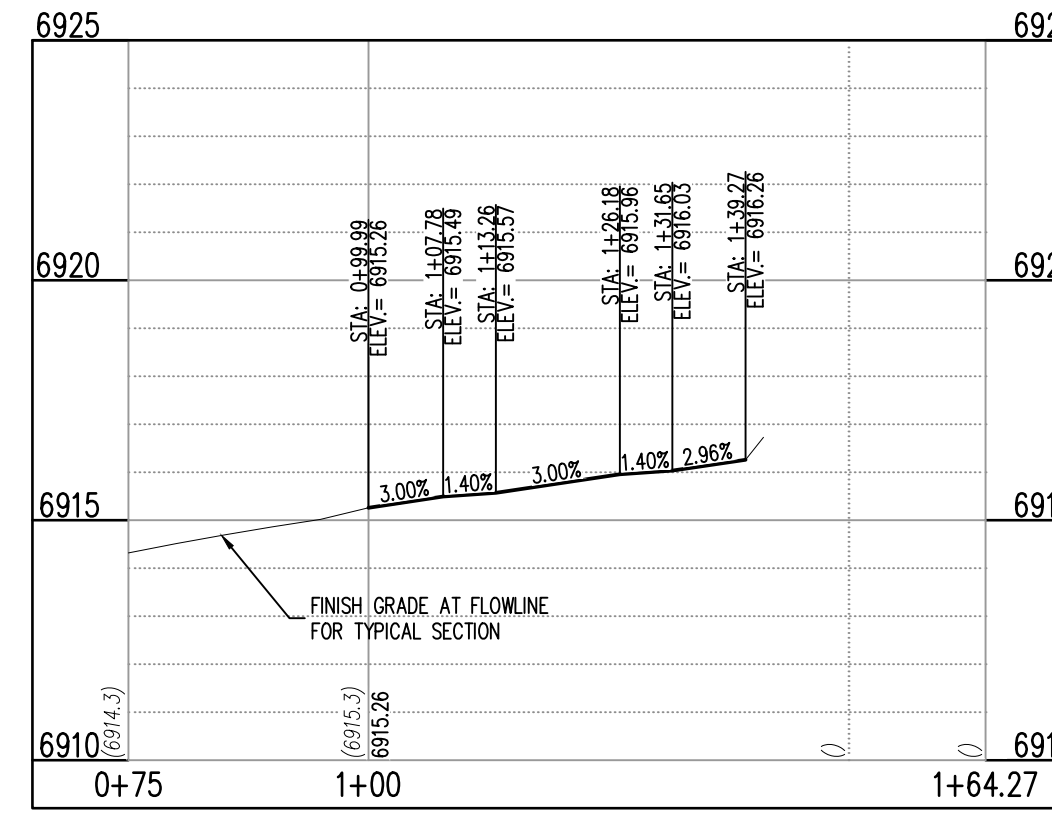
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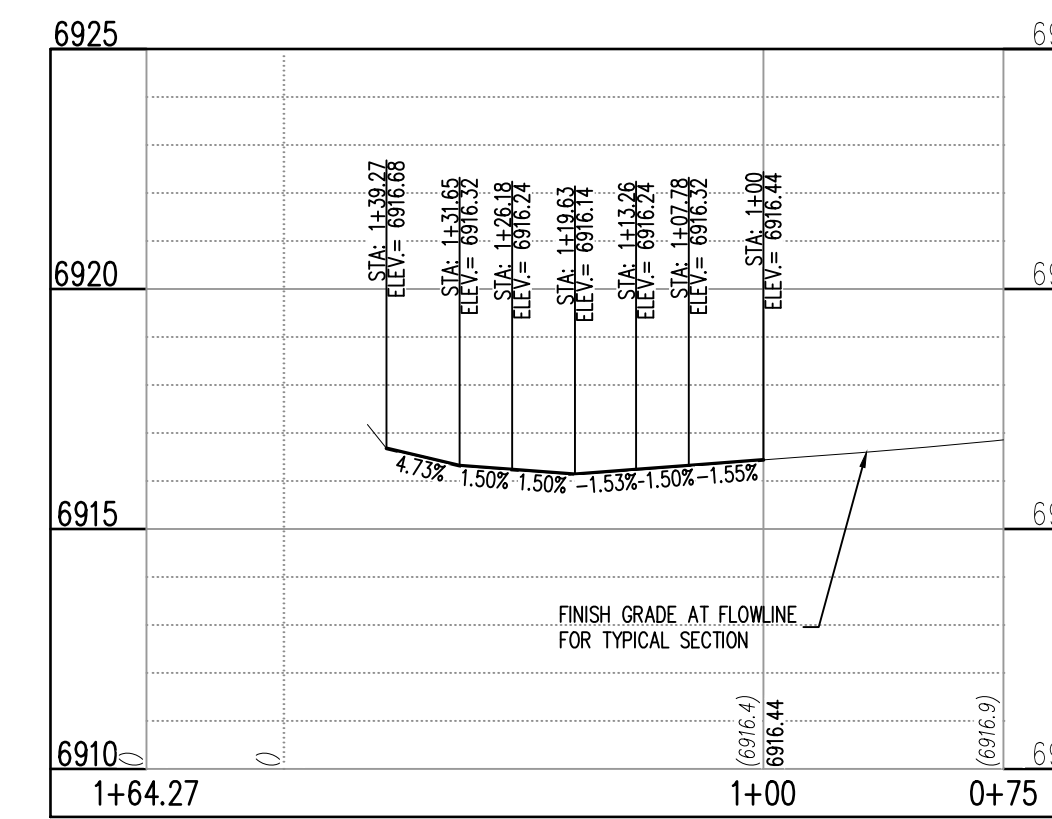
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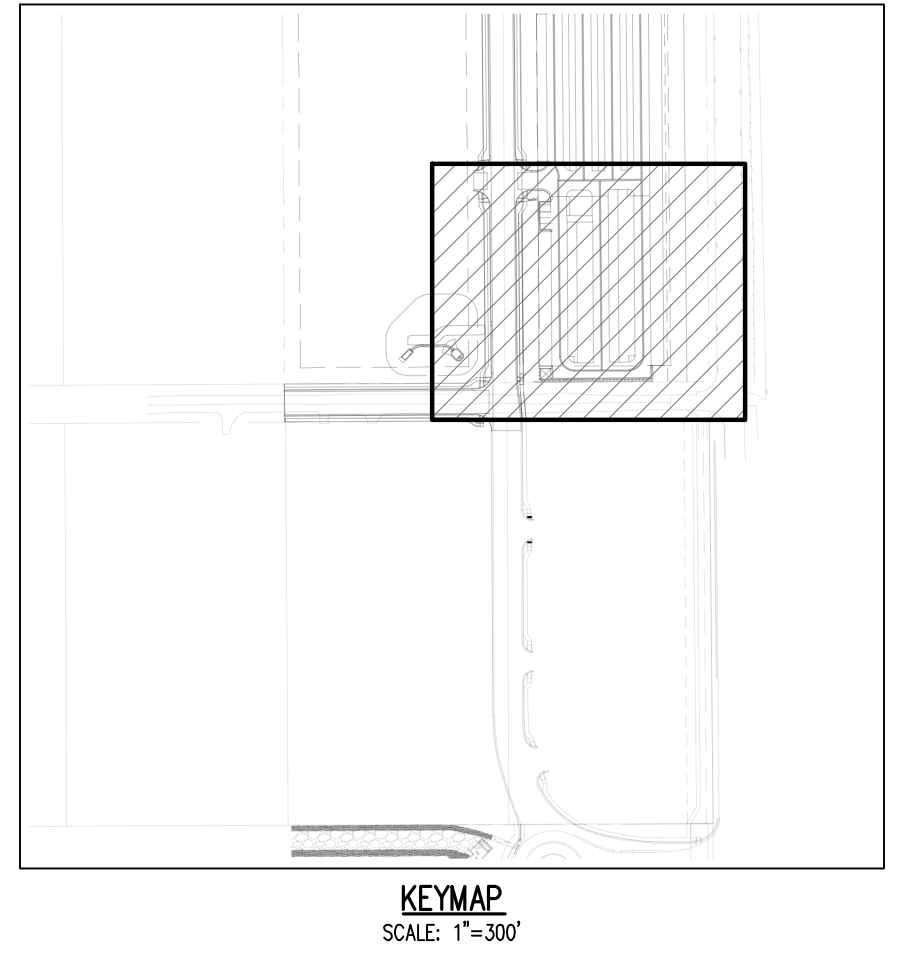
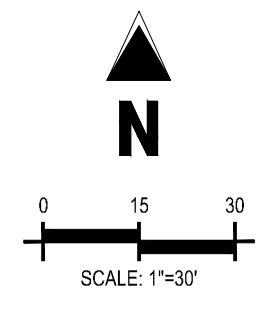
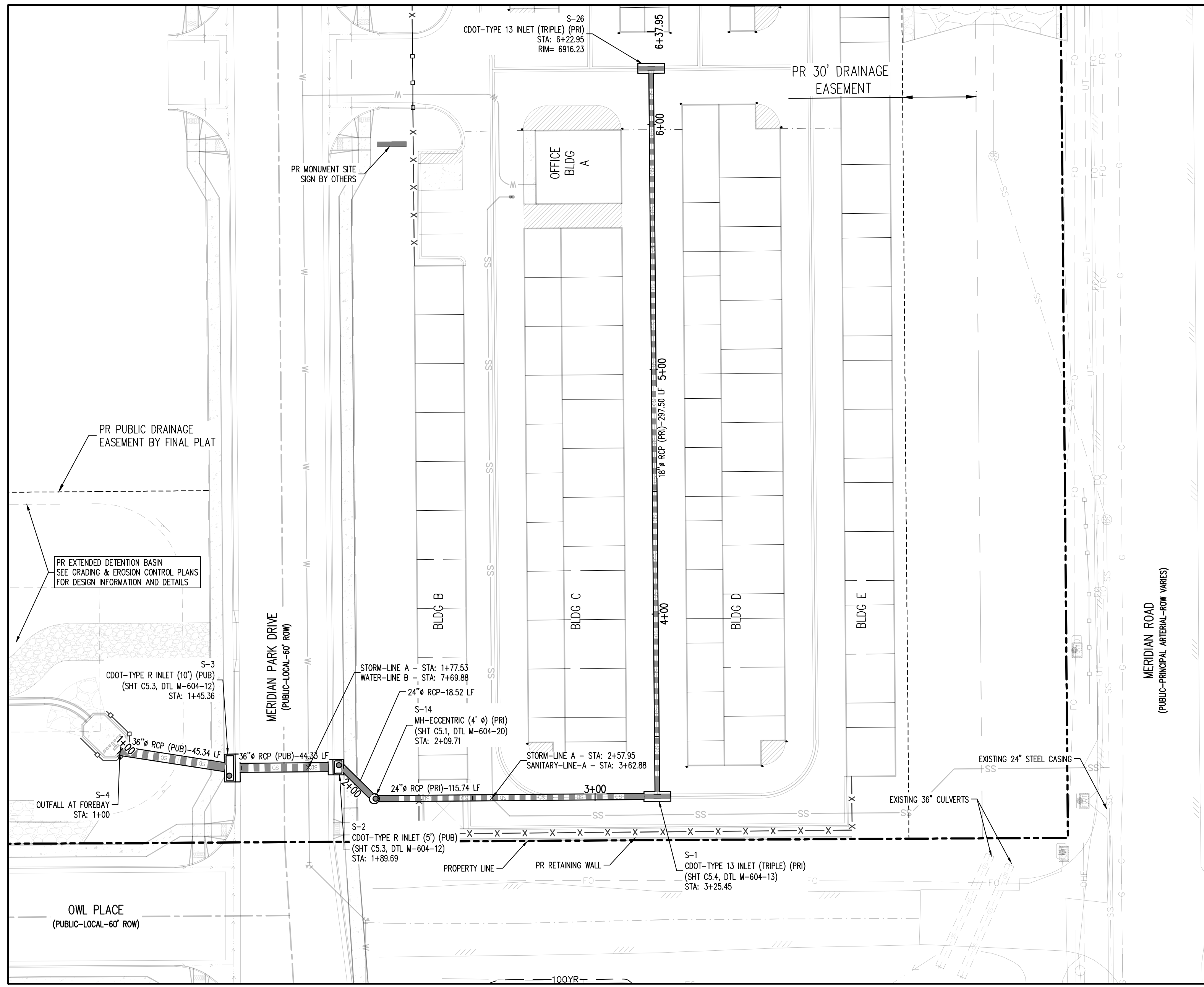
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Table with columns: #, Date, Issue / Description, Init. Contains a list of drawing revisions.

Table with columns: Project No., Drawn By, Checked By, Date. Includes project details and signatures.

INTERSECTION DETAILS



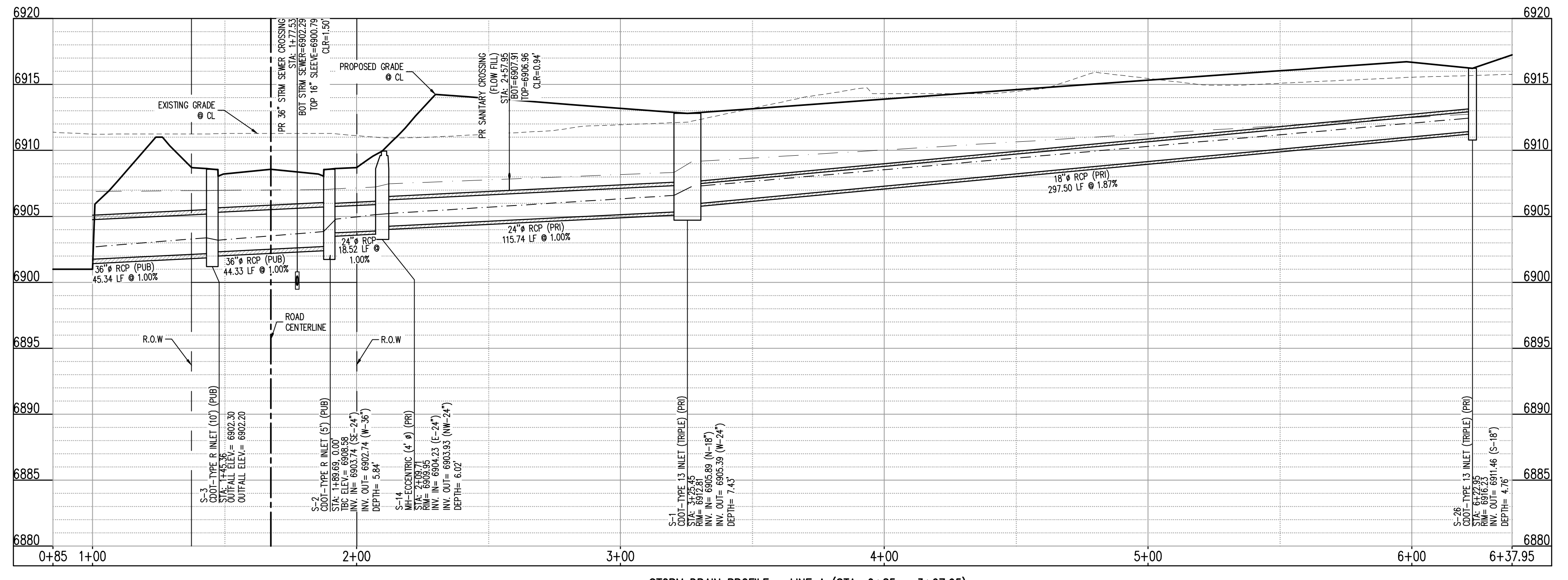
UTILITY LEGEND

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- PROPOSED BOLLARDS

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



STORM DRAIN PROFILE - LINE A (STA: 0+85 - 6+37.95)
 SCALES: HORIZONTAL 1"=20', VERTICAL 1"=4'

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	2.25	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	78.50

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 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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- 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.



#	Date	Issue / Description	Init.

Project No: MRS01
 Drawn By: JDM
 Checked By: CMWJ
 Date: PUB

STORM DRAIN PLAN

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 WOODMILL HILLS FLING NO. 4, MONUMENTED BY A NO. 4 REBAR WITH A YELLOW PLASTIC CAP STAMPED "PLS 24964" NAVD88 ELEVATION = 6947.67

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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 ALL MATERIALS, LABOR, REPAIRS, ETC. TO COMPLETE WORK AND RESTORE AREA TO SAME STATE PRIOR TO STARTING WORK.

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.



Know what's below.
Call before you dig.

SITE LEGEND

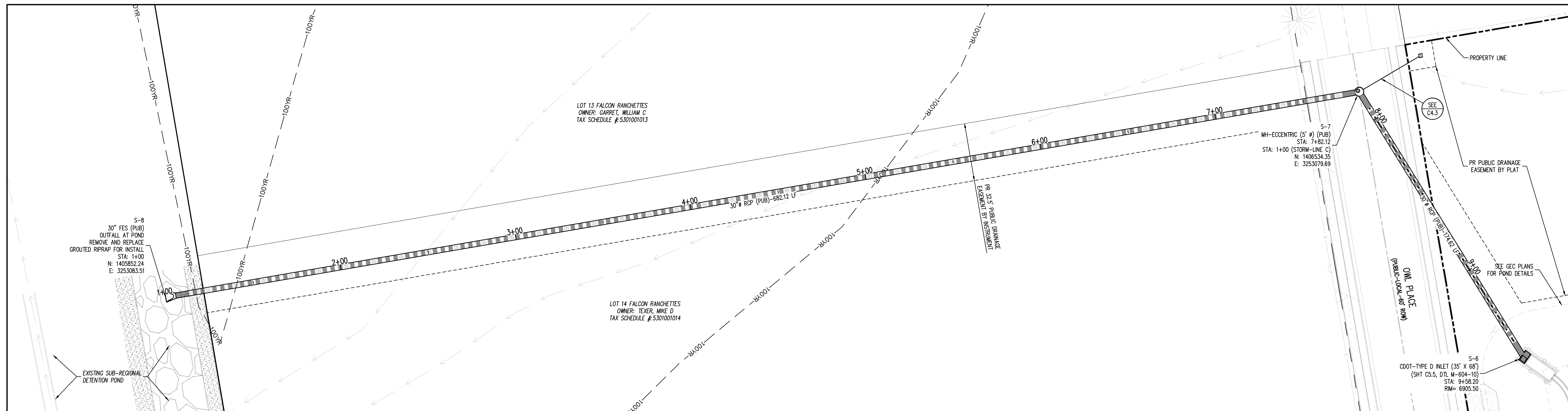
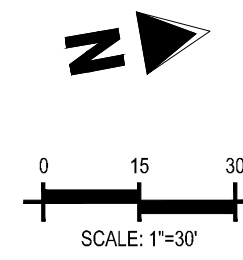
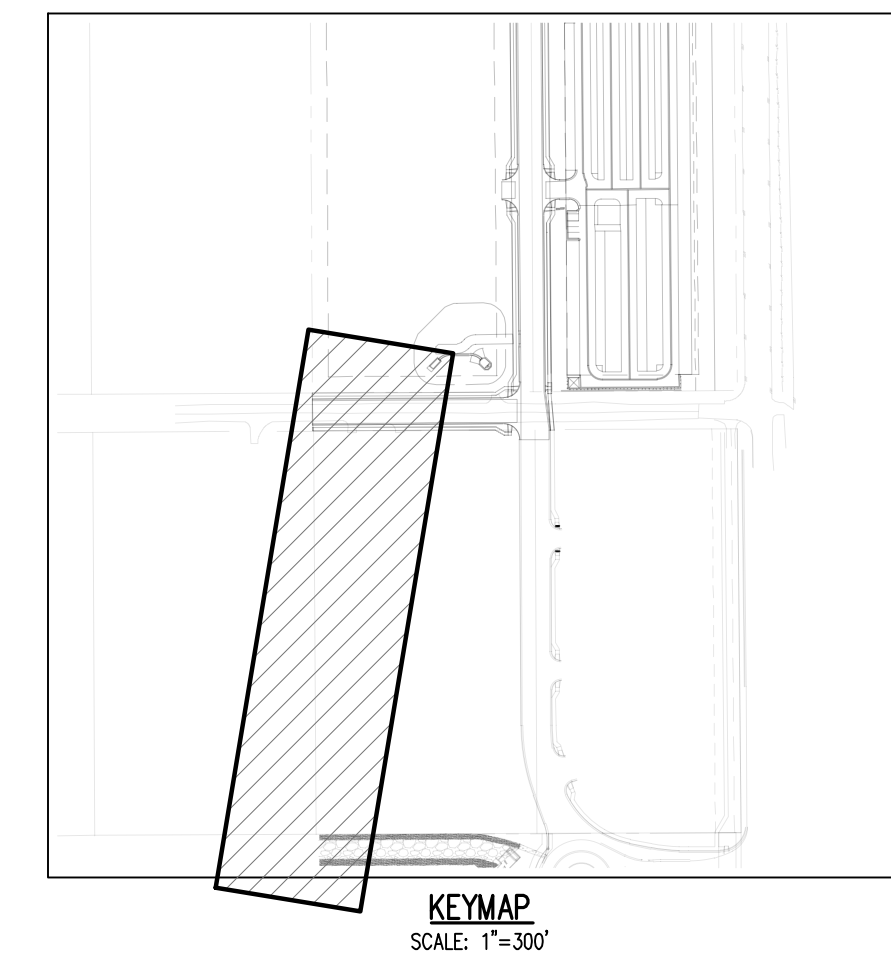
- - - - - PROJECT BOUNDARY LINE
- - - - - ADJACENT PROPERTY BOUNDARY LINE
- - - - - RIGHT OF WAY LINE
- - - - - EXISTING ADJACENT LOT LINE
- - - - - PROPOSED LOT LINE
- - - - - EXISTING EASEMENT LINE
- - - - - PROPOSED EASEMENT LINE
- - - - - PROPOSED ROAD CENTERLINE
- - - - - EXISTING ROAD CENTERLINE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

UTILITY LEGEND

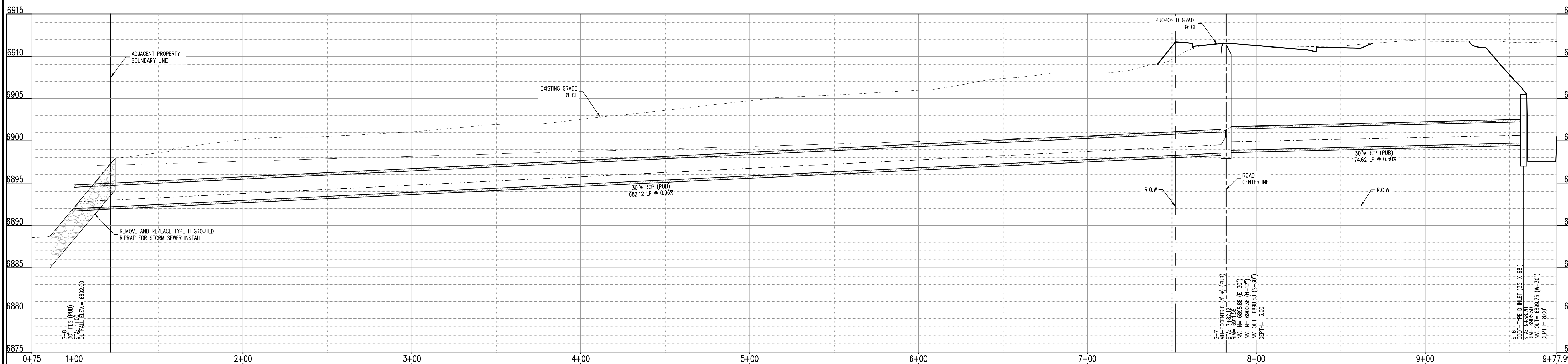
- - - - - EXISTING WATER LINE
- - - - - PROPOSED WATER LINE
- - - - - EXISTING SANITARY SEWER
- - - - - PROPOSED SANITARY SEWER
- - - - - EXISTING STORM SEWER
- - - - - PROPOSED STORM SEWER
- - - - - EXISTING GAS LINE
- - - - - PROPOSED GAS LINE
- - - - - EXISTING UNDERGROUND TELEPHONE
- - - - - EXISTING 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

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	18.00
15	2.25	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	78.50



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



STORM DRAIN PROFILE - LINE B (STA: 1+00 - 9+46.33)
SCALES: HORIZONTAL 1"=20', VERTICAL 1"=4'



#	Date	Issue / Description	Init.

Project No:	MRS01
Drawn By:	JDM
Checked By:	CMWJ
Date:	PUB

STORM DRAIN PLAN

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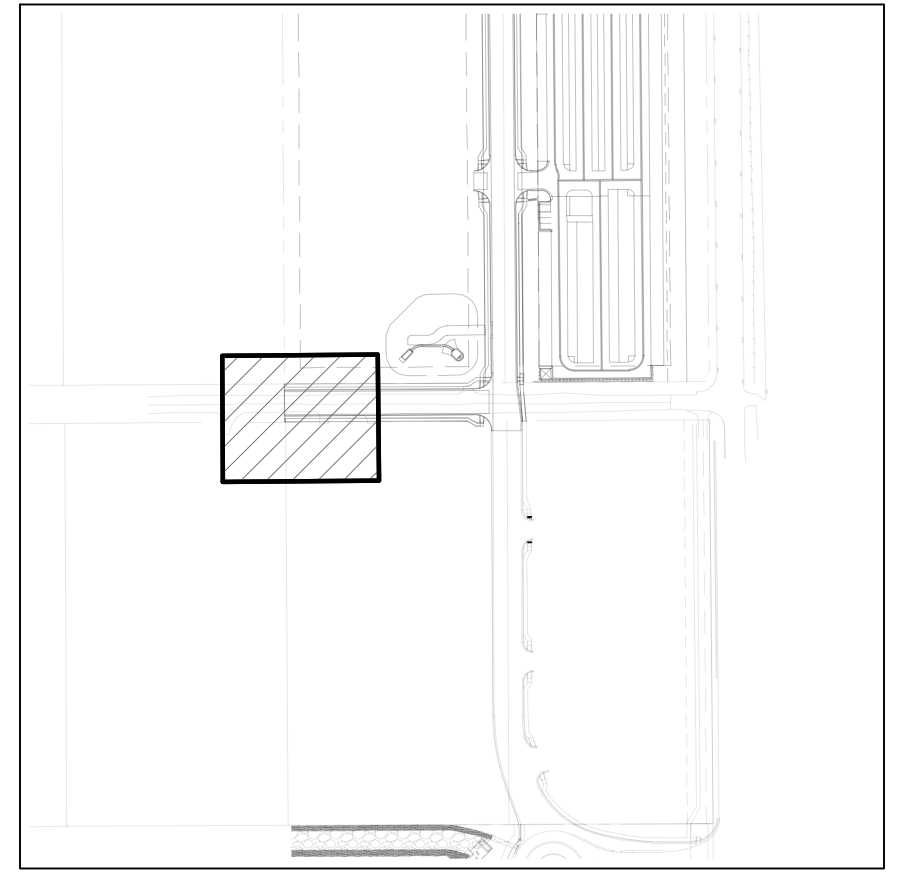


CONSTRUCTION DRAWINGS
 MERIDIAN STORAGE
 MERIDIAN STORAGE, LLC
 SF-23-XXX
 STATE OF COLORADO, MERIDIAN ROAD & OWL PLACE
 EL PASO COUNTY, FALCON, CO 80931

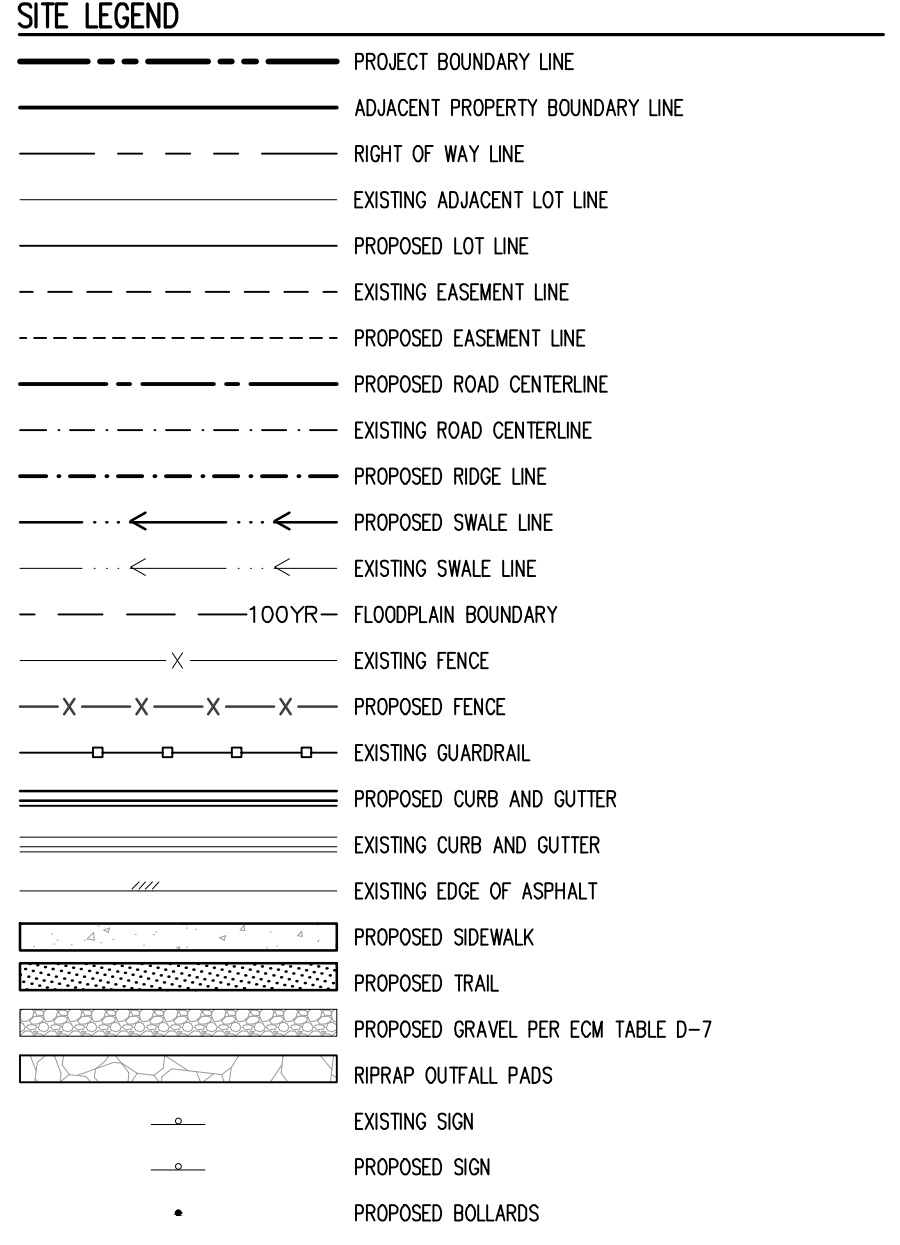
#	Date	Issue / Description	Init.

Project No:	MRS01
Drawn By:	JDM
Checked By:	CMWJ
Date:	PUB

STORM DRAIN PLAN



KEYMAP
 SCALE: 1"=300'



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	2.25	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	80.00

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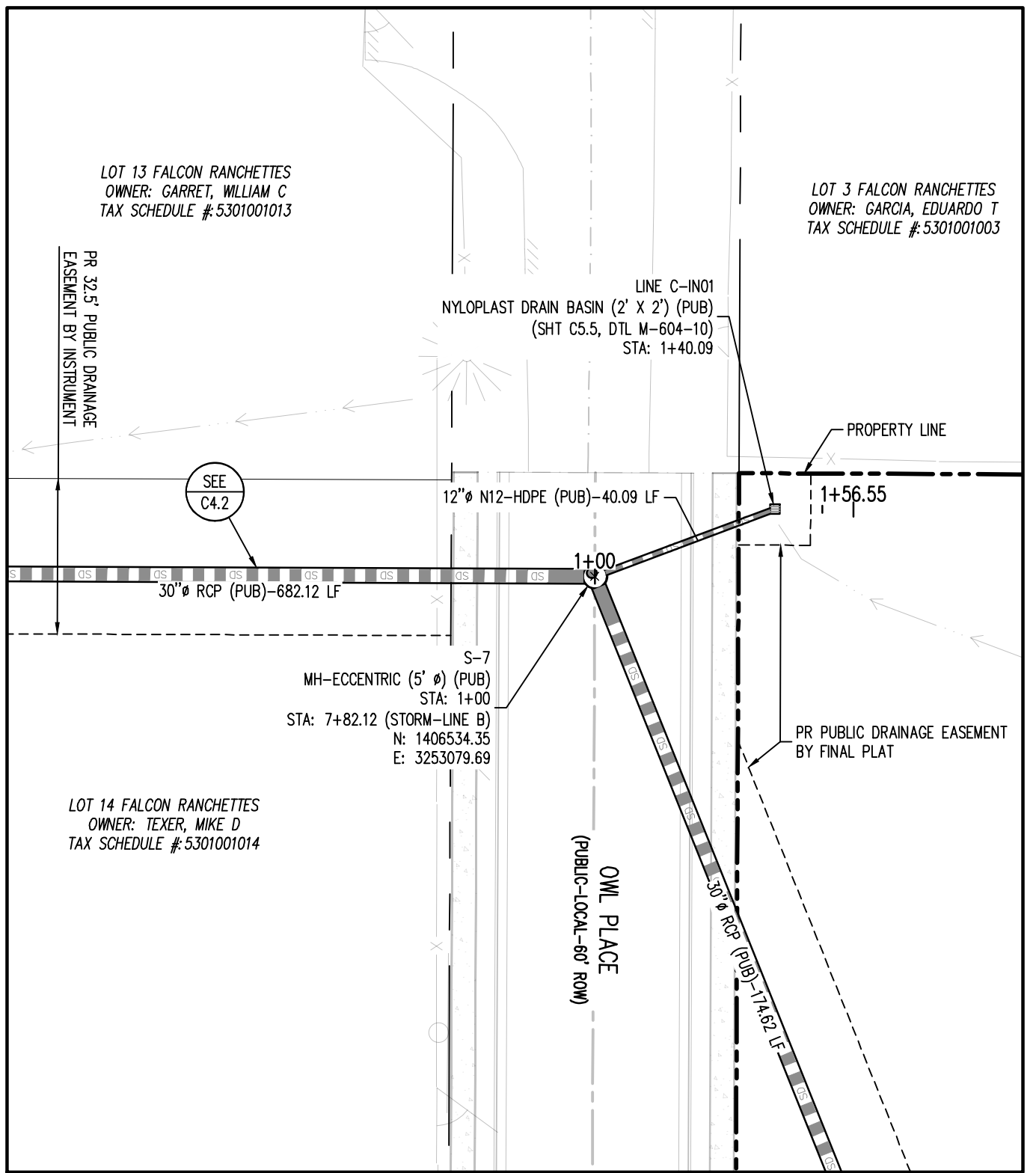
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BENCHMARK
 THE SOUTHWEST CORNER OF LOT 1 WOODMEN HILLS FLING NO. 4, MONUMENTED BY A NO. 4 REBAR WITH A YELLOW PLASTIC CAP STAMPED "PLS 24964" NAVD88 ELEVATION = 6947.67

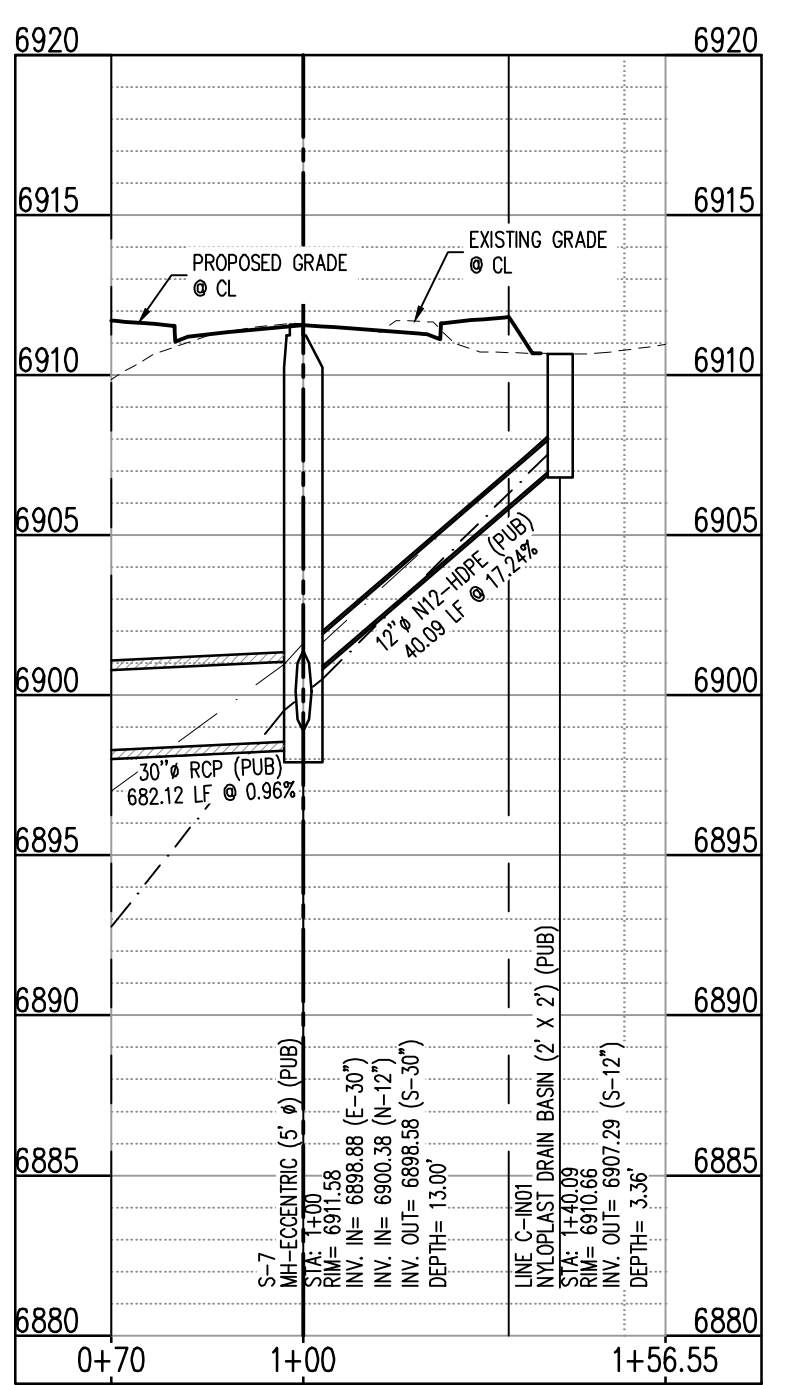
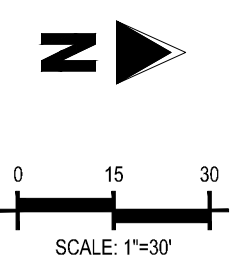
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STORM DRAIN PLAN - LINE C
 SCALE: 1"=30'



STORM DRAIN PROFILE - LINE C (STA: 1+00 - 2+06.65)
 SCALES: HORIZONTAL 1"=20', VERTICAL 1"=4'

C:\Users\jgallway\OneDrive\Documents\Galloway\Projects\23\SF-23-XXX\Drawings\Storm Drain\Storm Drain Plan - Line C.dwg, 1/27/2023, 10:52:00 AM

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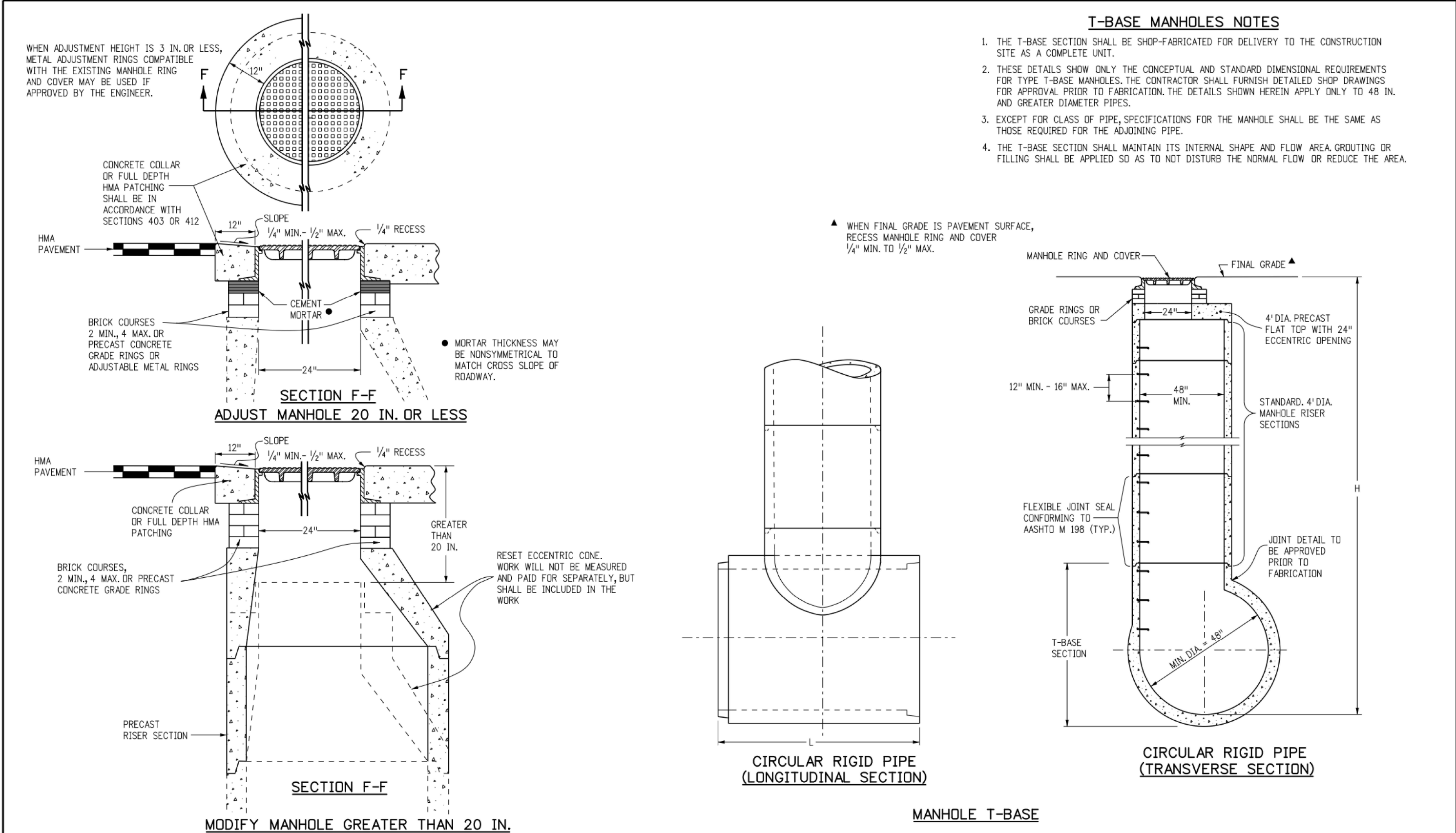
**CONSTRUCTION DRAWINGS
MERIDIAN STORAGE
MERIDIAN STORAGE, LLC
SF-23-XXX**

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

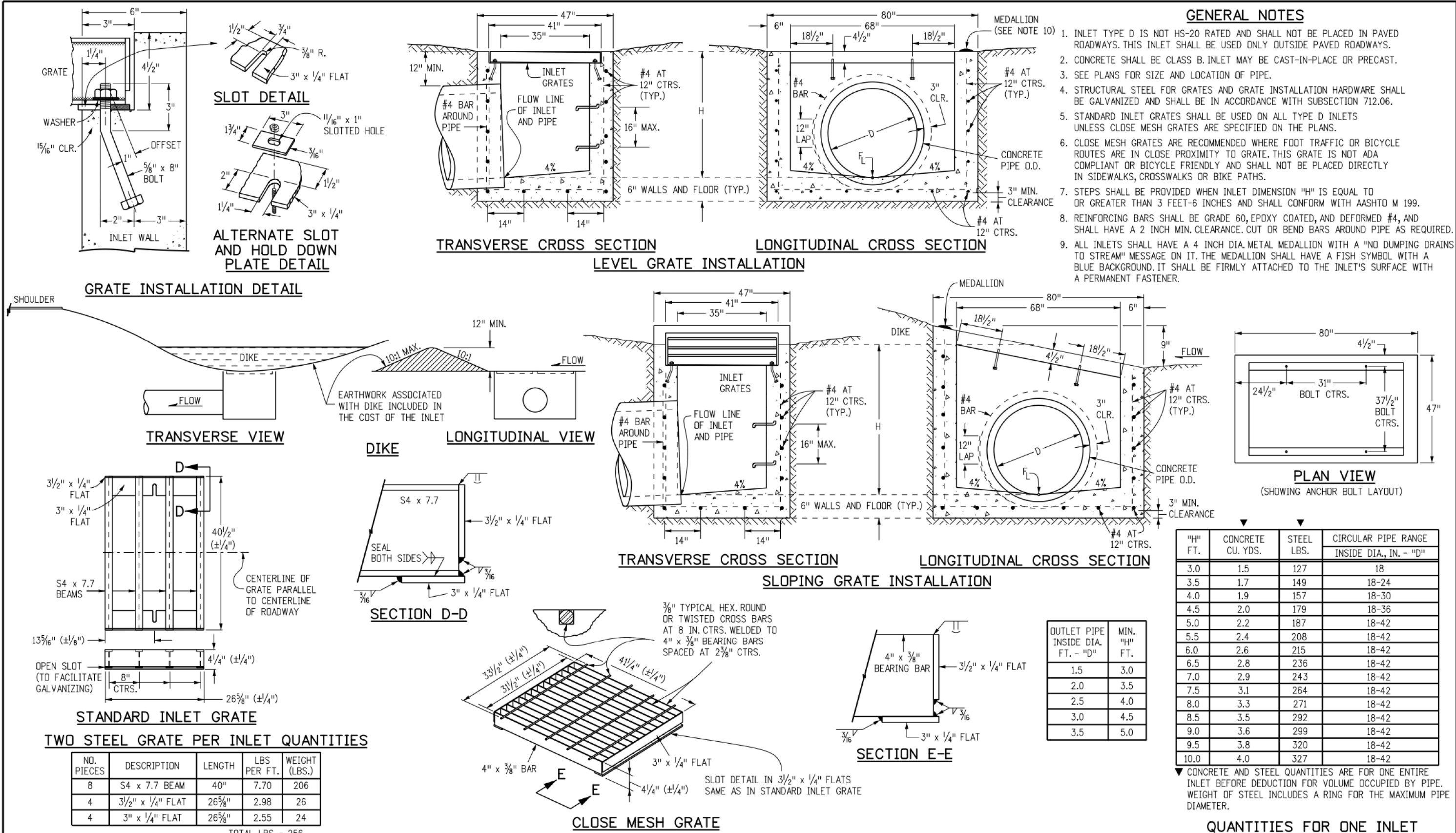
#	Date	Issue / Description	Init.

Project No: MRS01
Drawn By: JDM
Checked By: CMWJ
Date: PUB

STORM DRAIN DETAILS



Computer File Information		Sheet Revisions		Colorado Department of Transportation 2829 West Howard Place CDOT HQ, 3rd Floor Denver, CO 80204 Phone: 303-757-9021 FAX: 303-757-9868	MANHOLES	STANDARD PLAN NO. M-604-20	
Creation Date: 07/31/19		Date:	Comments				Project Development Branch JBK
Designer: JDB				Project Sheet Number:			
Last Modification Date: 07/31/19							



Computer File Information		Sheet Revisions		Colorado Department of Transportation 2829 West Howard Place CDOT HQ, 3rd Floor Denver, CO 80204 Phone: 303-757-9021 FAX: 303-757-9868	INLET, TYPE D	STANDARD PLAN NO. M-604-11
Creation Date: 07/31/19		Date:	Comments			
Designer: JDB						
Last Modification Date: 07/31/19						

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Project No: MRS01
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STORM DRAIN DETAILS

Computer File Information
 Creation Date: 07/31/19
 Designer Initials: JBK
 Last Modification Date: 07/31/19
 Detaller Initials: LTA
 CAD Ver.: MicroStation V8 Scale: Not to Scale Units: English

Sheet Revisions

Colorado Department of Transportation
 2829 West Howard Place
 CDDT HQ, 3rd Floor
 Denver, CO 80204
 Phone: 303-757-9021 FAX: 303-757-9866
Project Development Branch JBK

CURB INLET TYPE R

STANDARD PLAN NO. M-604-12
Standard Sheet No. 1 of 2
 Project Sheet Number:

MARK	BAR # OR SIZE	D.C. SPACING	TYPE	ALL INLETS				INLETS: H ≤ 5 FT.				INLETS: H > 5 FT.			
				NO. REQ'D.	LENGTH	NO. REQ'D.	LENGTH	NO. REQ'D.	LENGTH	NO. REQ'D.	LENGTH	NO. REQ'D.	LENGTH	NO. REQ'D.	LENGTH
401	4	11"	II	15	*	21	*	26	*	11	*	11	*		
402	4	11"	II	7	*	13	*	18	*	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"	11	6'-10"		
406	4	6"	VIII	7	8'-10"	7	13'-10"	7	18'-10"	7	8'-10"	7	8'-10"		
407	4	6"	II	*	5'-10"	*	10'-10"	*	15'-10"	*	5'-10"	*	5'-10"		
408	4	12"	II	3	6'-10"	3	11'-10"	3	11'-10"	3	11'-10"	3	11'-10"		
409	4	8"	II	6	5'-10"	6	10'-10"	6	15'-10"	6	10'-10"	6	15'-10"		
410	4	11"	VII	*	*	*	*	*	*	3	10'-2"	3	10'-2"		
411	4	11"	II	*	*	*	*	*	*	5	15'-2"	5	15'-2"		
412	4	11"	II	*	*	*	*	*	*	3	2'-9"	3	2'-9"		
413	4	9"	II	*	*	*	*	*	*	7	10'-10"	7	15'-10"		

"H"	LENGTH	REGULAR		DROP BOX		L = 5 FT.		L = 10 FT.		L = 15 FT.			
		NO. REQ'D.	NO. REQ'D.	CONC. CUL. YDS.	STEEL LBS.	CONC. CUL. YDS.	STEEL LBS.	CONC. CUL. YDS.	STEEL LBS.	CONC. CUL. YDS.	STEEL LBS.		
3'-0"	2'-8"	1-8"	1-8"	10	7	3.2	285	5.3	497	7.4	706		
3'-6"	3'-2"	2'-2"	2'-2"	10	7	3.4	305	5.7	528	7.9	747		
4'-0"	3'-8"	2'-8"	2'-8"	12	9	3.7	326	6.0	559	8.4	786		
4'-6"	4'-2"	3'-2"	3'-2"	12	9	3.9	334	6.4	571	8.9	803		
5'-0"	4'-8"	3'-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"	5'-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	6.0	479	7.6	711	9.0	954		
9'-6"	9'-2"	8'-2"	7'-5"	26	23	6.2	499	7.8	732	9.2	974		
10'-0"	9'-8"	8'-8"	7'-11"	28	25	6.4	520	8.0	749	9.4	992		
10'-6"	10'-2"	9'-2"	8'-5"	28	25	6.7	527	8.3	769	9.7	1001		
11'-0"	10'-8"	9'-8"	8'-11"	30	27	30	20	6.9	547	8.5	779	9.9	1022

TABLE TWO ~ BARS AND QUANTITIES VARIABLE WITH "H"

TYPE	LENGTH	NO. REQ'D.	NO. REQ'D.	NO. REQ'D.	NO. REQ'D.

GENERAL NOTES:
 1. CONCRETE SHALL BE CLASS B INLET MAY BE CAST-IN-PLACE OR PRECAST.
 2. CONCRETE WALLS SHALL BE FORMED ON BOTH SIDES AND SHALL BE 8 INCHES THICK.
 3. INLET STEPS SHALL BE IN CONFORMANCE WITH ASHTO M 190.
 4. CURB FACE ASSEMBLY SHALL BE GALVANIZED AFTER WELDING.
 5. EXPOSED CONCRETE CORNERS SHALL BE CHAMFERED 1/4" OF A INCH CURB AND GUTTER CORNERS SHALL BE FINISHED TO MATCH THE EXISTING CURB AND GUTTER THE TRANSITION GUTTER.
 6. REINFORCING BARS SHALL BE DEFORMED AND SHALL HAVE A 2 INCH MINIMUM CLEARANCE. ALL REINFORCING BARS SHALL BE GRADE 60 AND EPOXY COATED.
 7. DIMENSIONS AND WEIGHTS OF TYPICAL MANHOLE RING AND COVER ARE NOMINAL.
 8. MATERIAL FOR MANHOLE RINGS AND COVERS SHALL BE GRAY OR DUCTILE CAST IRON IN ACCORDANCE WITH SUBSECTION 712.06.
 9. SINCE PIPE ENTRIES INTO THE INLET ARE VARIABLE, THE DIMENSIONS SHOWN ARE TYPICAL ACTUAL DIMENSIONS AND QUANTITIES FOR CONCRETE AND REINFORCEMENT SHALL BE AS REQUIRED IN THE WORK. QUANTITIES INCLUDE VOLUMES OCCUPIED BY PIPES.
 10. STRUCTURAL STEEL SHALL BE GALVANIZED AND SHALL BE IN ACCORDANCE WITH SUBSECTION 712.06.
 11. ALL MANHOLE COVERS SHALL BE CAST WITH A "NO DUMPING DRAINS TO STREAM" MESSAGE AND A FISH SYMBOL. THE SURFACE OF THE MANHOLE COVER SHALL HAVE A NON-SLIP PATTERN.



#	Date	Issue / Description	Init.

Project No: MRS01
 Drawn By: JDM
 Checked By: CMWJ
 Date: PUB

STORM DRAIN DETAILS

PIPE INSTALLATION
(WITH 0.7 PROJECTION RATIO)

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

PIPE SIZE - Bc (INSIDE DIA)	CIRCULAR (CR)			VERTICAL ELLIPTICAL (VE)			HORIZONTAL ELLIPTICAL (HE)		
	WALL THICKNESS	0.3 Bc (OUTSIDE DIA)	0.3 OUTSIDE RISE	SPAN	RISE	WALL THICKNESS	0.3 OUTSIDE RISE	SPAN	RISE
12	2	0.40						23	14
15	2-1/4	0.49							2-3/4
18	2-1/2	0.58							0.49
21	2-3/4	0.66							0.66
24	3	0.75							0.73
27	3-1/4	0.84							0.79
30	3-1/2	0.92							0.85
33	3-3/4	1.01							1.10
36	4	1.10		29	45	4-1/2	1.35	45	29
42	4-1/2	1.28		34	53	5	1.58	53	34
48	5	1.45		38	60	5-1/2	1.78	60	38
54	5-1/2	1.62		43	68	6	2.00	68	43
60	6	1.80		48	76	6-1/2	2.23	76	48
66	6-1/2	1.97		53	83	7	2.43	83	53
72	7	2.15		58	91	7-1/2	2.65	91	58
78	7-1/2	2.32		63	98	8	2.85	98	63
84	8	2.50		68	106	8-1/2	3.08	106	68
90	8-1/2	2.68		72	113	9	3.28	113	72
96	9	2.85		77	121	9-1/2	3.50	121	77
102	9-1/2	3.02		82	129	9-3/4	3.69	128	82
108	10	3.20		87	136	10	3.90	136	87

△ 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.

TYPE OF PIPE	HEIGHT OF FILL OVER TOP OF PIPE, H (FEET)					
	CLASS OF PIPE (0.01 IN. CRACK D-LOAD)					
	CLASS CR II	CLASS CR III	CLASS CR IV	CLASS CR V	CLASS VE V	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)

Computer File Information		Sheet Revisions		Colorado Department of Transportation		REINFORCED CONCRETE PIPE		STANDARD PLAN NO.	
Creation Date: 07/31/19	Designer Initials: JBK	Date:	Comments:	2829 West Howard Place COOT HQ, 3rd Floor Denver, CO 80204 Phone: 303-757-9021 FAX: 303-757-9868				M-603-2	
Last Modification Date: 07/31/19	Designer Initials: LTA			Project Development Branch				Standard Sheet No. 1 of 1	
CAD Ver.: MicroStation V8	Scale: Not to Scale	Unit: English		Project Development Branch JBK				Issued by the Project Development Branch July 31, 2019	
				Project Development Branch JBK		Issued by the Project Development Branch July 31, 2019		Project Sheet Number:	

PLAN VIEW
TYPE 13 INLET FOR GUTTER TYPE 2

SECTION C-C

SECTION D-D

NO. 13 GRATING & FRAMES

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

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

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 ON 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 15 20 LOADS.
- STATION POINT IS AT THE CENTER OF THE INLET.
- GRATE SHALL HAVE "DUMP NO WASTE DRAINS TO STEAM" MESSAGE CAST ON SURFACE.

H	CONCRETE VOL. YDS.	REINFORCING STEEL # LB.	NO. OF 40# BARS REQ'D.	MAXIMUM PIPE I.D. IN.
3'-0"	1.3	72	4	18
3'-6"	1.5	76	4	24
4'-0"	1.6	90	5	30
4'-6"	1.8	104	6	30
5'-0"	1.9	109	6	30
5'-6"	2.1	122	7	30
6'-0"	2.2	136	8	30
6'-6"	2.4	141	8	30
7'-0"	2.5	154	9	30
7'-6"	2.7	168	10	30
8'-0"	2.8	173	10	30
8'-6"	3.0	187	11	30
9'-0"	3.1	200	12	30
9'-6"	3.3	205	12	30
10'-0"	3.4	219	13	30

℘ INCLUDES 12% FOR OVERTURN.
 NOTE: CONCRETE QUANTITIES INCLUDE VOLUME OCCUPIED BY PIPE.

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

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

Computer File Information		Sheet Revisions		Colorado Department of Transportation		CONCRETE INLET TYPE 13		STANDARD PLAN NO.	
Creation Date: 07/04/12	Designer Initials: DD	Date:	Comments:	4201 East Arkansas Avenue Denver, Colorado 80222 Phone: (303) 757-9083 Fax: (303) 757-9820				M-604-13	
Last Modification Date: 07/04/12	Designer Initials: LTA			Project Development Branch DD/LTA				Issued by Project Development Branch July 4, 2012	
Full Path: \\www.colorado.gov\info\business\designsupport\	Drawing File Name: 6040130101.dgn								
CAD Ver.: MicroStation V8	Scale: Not to Scale	Unit: English		Project Development Branch DD/LTA		Issued by Project Development Branch July 4, 2012		Project Sheet Number:	

SITE LEGEND

Table with 2 columns: Symbol and Description. Includes 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, 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, and Proposed Bollards.

GRADING LEGEND

Table with 2 columns: Symbol and Description. Includes Existing Major Contour (5460), Existing Minor Contour (52), Proposed Major Contour (5465), Proposed Minor Contour (55), Existing Slope - Percent (2.00%), Existing Slope - Rise/Run (4:1), Proposed Slope - Percent (2.00%), Proposed Slope - Rise/Run (4:1), Proposed Spot Elevation - High Point (89.00 HP), Proposed Spot Elevation - Low Point (89.00 LP), Proposed Spot Elevation - Top of Berm (89.00 TOB), Proposed Spot Elevation - Flow Line (89.00 FL), Proposed Spot Elevation - Top of Grate (89.00 TG), Proposed Spot Elevation - Finished Grade (89.00 FG), Proposed Spot Elevation - Sidewalk (89.00 SW), Proposed Spot Elevation - Edge of Concrete (89.00 EOC), Proposed Spot Elevation - Edge of Asphalt (89.00 EOA), and Proposed Spot Elevation - Match Existing (89.00 ME).

UTILITY LEGEND

Table with 2 columns: Symbol and Description. Includes Existing Water Line (W), Proposed Water Line (W), Existing Sanitary Sewer (SS), Proposed Sanitary Sewer (SS), Existing Storm Sewer (SS), Proposed Storm Sewer (SS), Existing Gas Line (G), Proposed Gas Line (G), Existing Underground Telephone (UT), Existing Overhead Electric (OHE), Existing Fiber Optic Line (FO), Existing Telephone Pedestal (TP), Existing Electric Transformer (ET), Existing Power Pole (PP), Existing Street Light (SL), Proposed Street Light (SL), Proposed Water Meter (WM), Existing Water Valve (WV), Proposed Water Valve (WV), Existing Fire Hydrant (FH), Proposed Fire Hydrant (FH), Existing Storm Sewer Manhole (SM), Proposed Storm Sewer Manhole (SM), Existing Sanitary Sewer Manhole (SSM), Proposed Sanitary Sewer Manhole (SSM).

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.

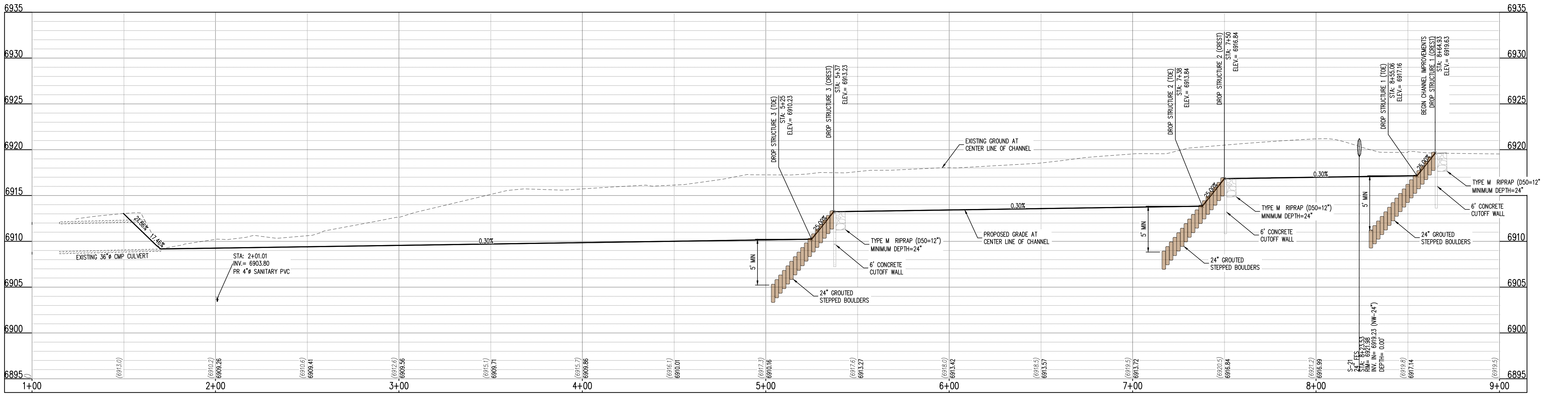
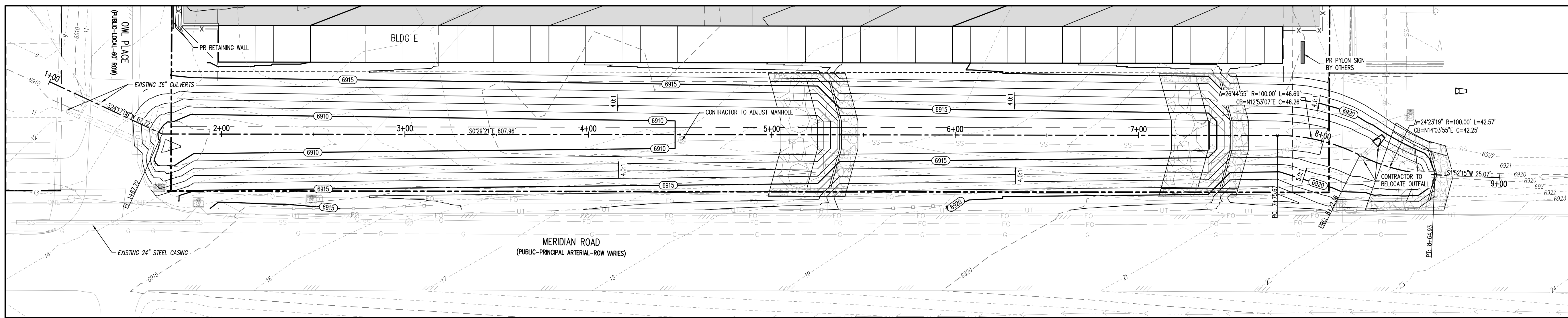
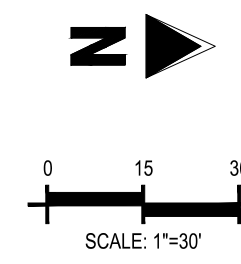
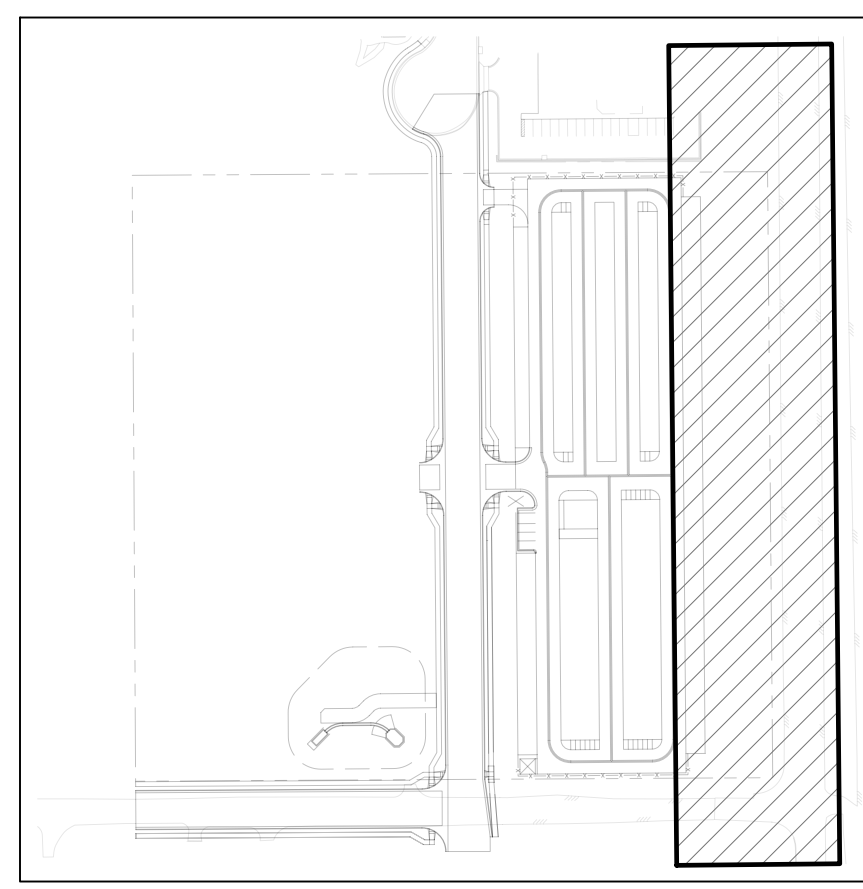
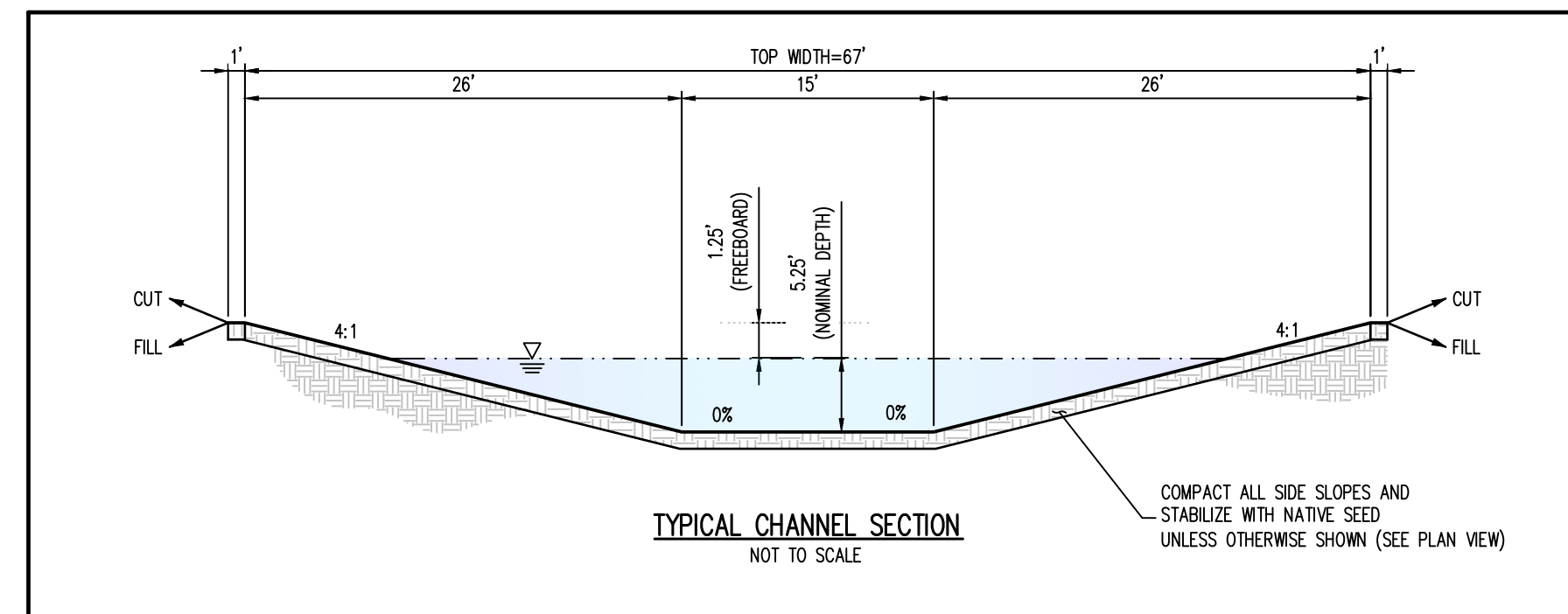


Table with 4 columns: #, Date, Issue / Description, Init. It contains a series of empty rows for tracking changes to the drawing.

Table with 2 columns: Field and Value. Includes Project No: MRS01, Drawn By: JDM, Checked By: CMWJ, Date: PUB.



CONSTRUCTION DRAWINGS
 MERIDIAN STORAGE
 MERIDIAN STORAGE, LLC
 SF-23-XXX

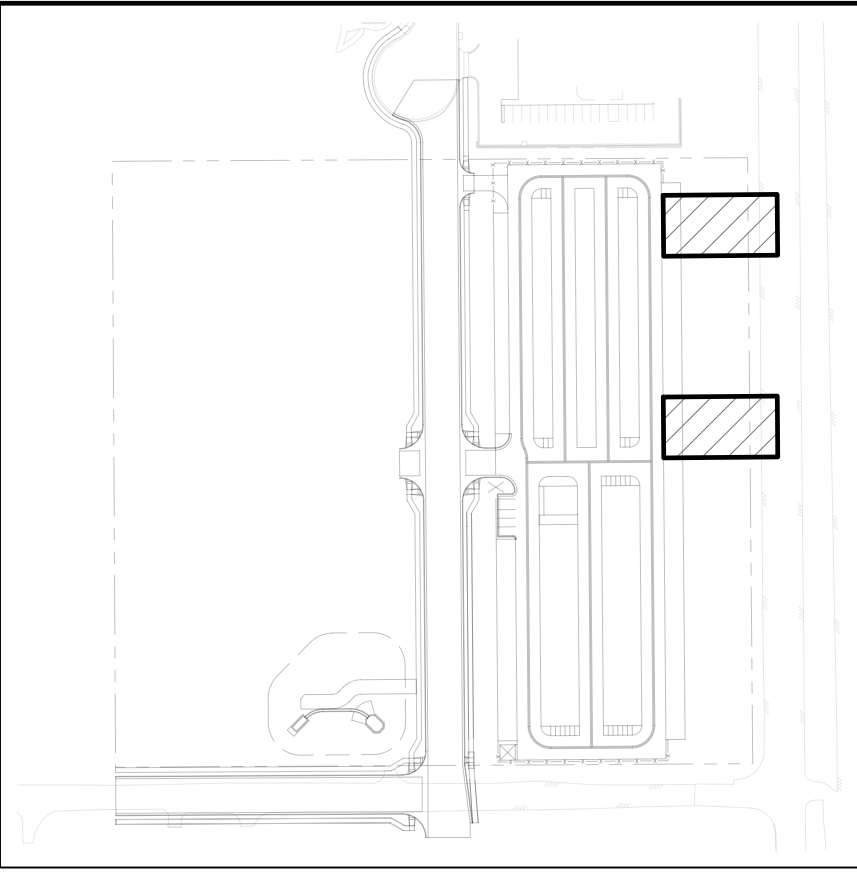
STATE OF COLORADO, MERIDIAN ROAD & OWL PLACE
 EL PASO COUNTY, FALCON, CO 80931

#	Date	Issue / Description	Init.

Project No:	MRS01
Drawn By:	JDM
Checked By:	CMWJ
Date:	PUB

DROP STRUCTURE 2 & 3
 DETAILS

C7.1
 Sheet 22 of 25



KEYMAP
 SCALE: 1"=200'

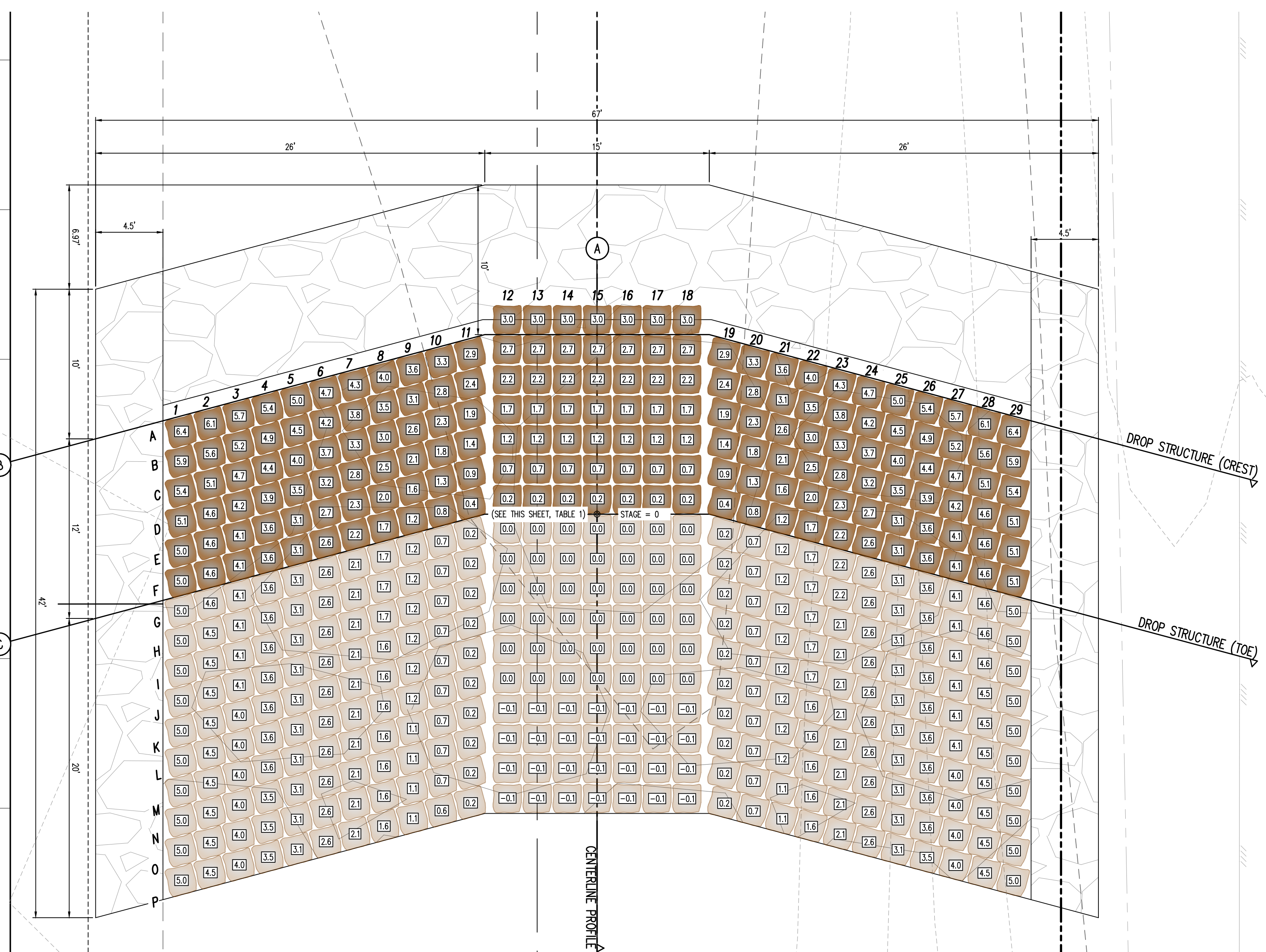


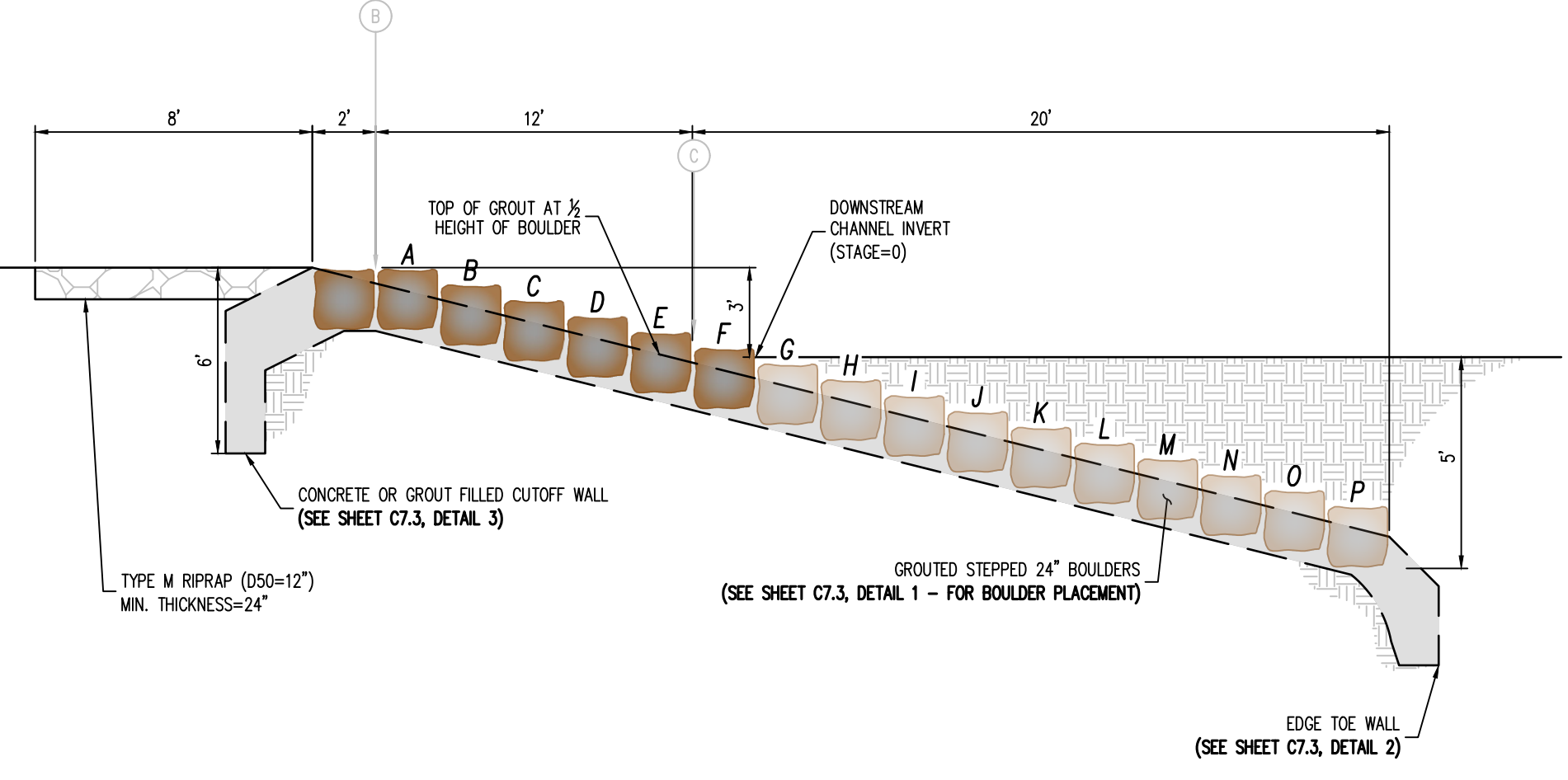
TABLE 1: DROP STRUCTURE STAGE ELEVATIONS

DROP STRUCTURE #2	6913.85
DROP STRUCTURE #3	6910.24

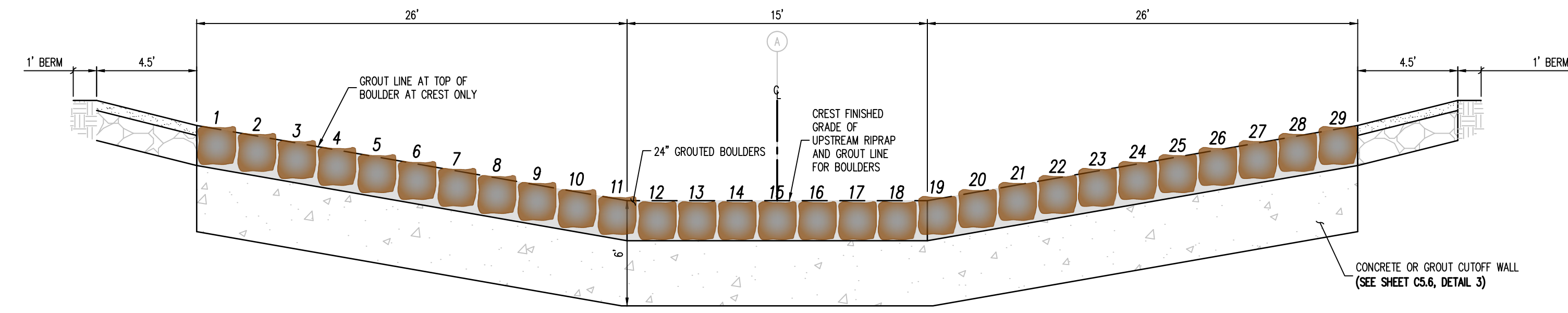
NOTE: STAGE=0 IS LOCATED AT THE TOE OF CHANNEL ALONG THE CENTER LINE ALIGNMENT. CONTRACTOR SHALL ENSURE ELEVATIONS ABOVE MATCH THE ELEVATIONS SHOWN ON PLAN & PROFILE SHEETS (06.1)

- 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.

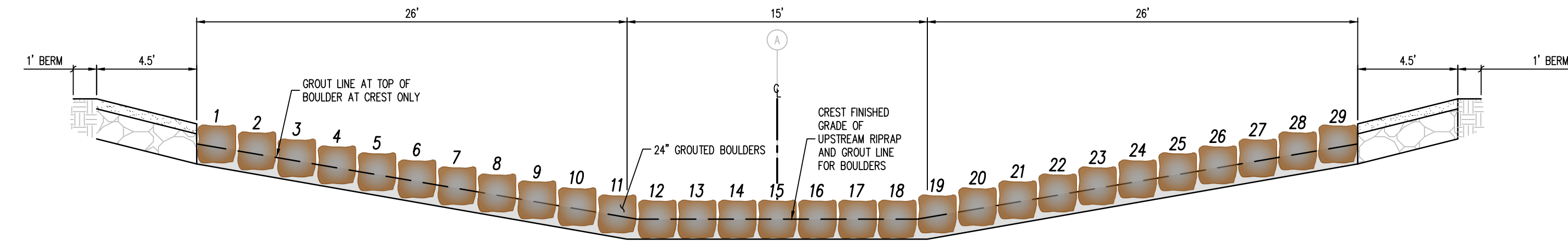
① DROP STRUCTURE (#1, #3, #6) – PLAN VIEW
 SCALE: 1"=5'



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



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



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

DRAWN BY: JDM, CHECKED BY: CMWJ, DATE: 11/15/23, PROJECT: MERIDIAN STORAGE, SHEET: C7.1

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CONSTRUCTION DRAWINGS
 MERIDIAN STORAGE
 MERIDIAN STORAGE, LLC
 SF-23-XXX

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:	PUB

DROP STRUCTURE 1
 DETAILS

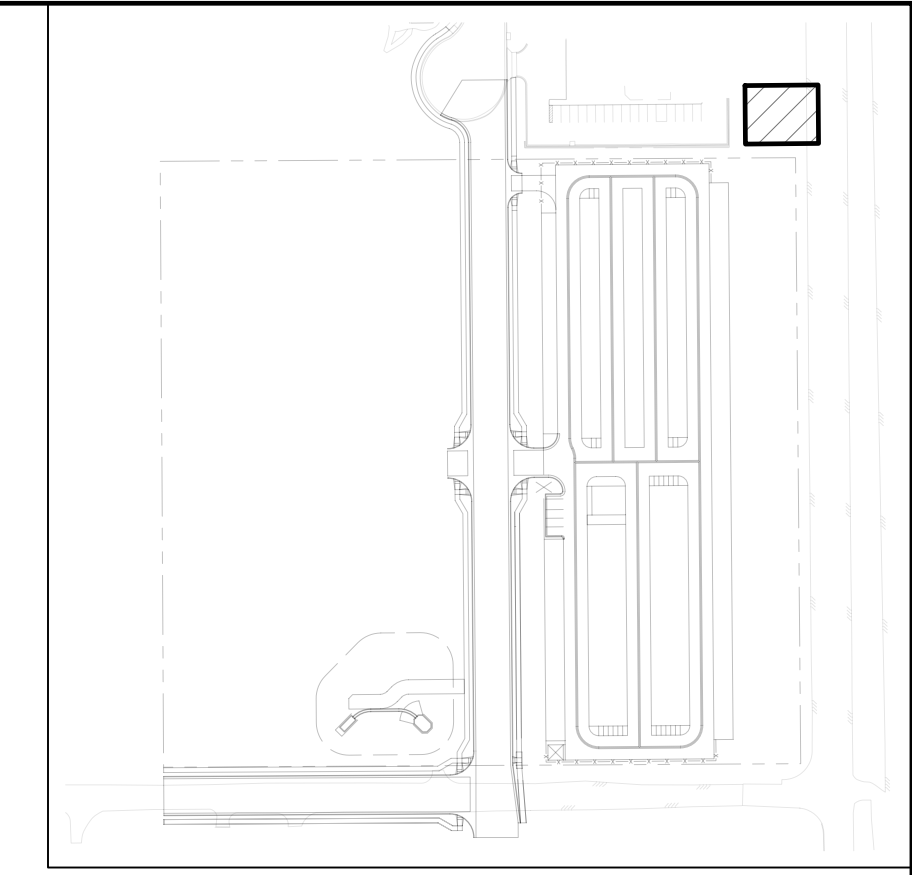
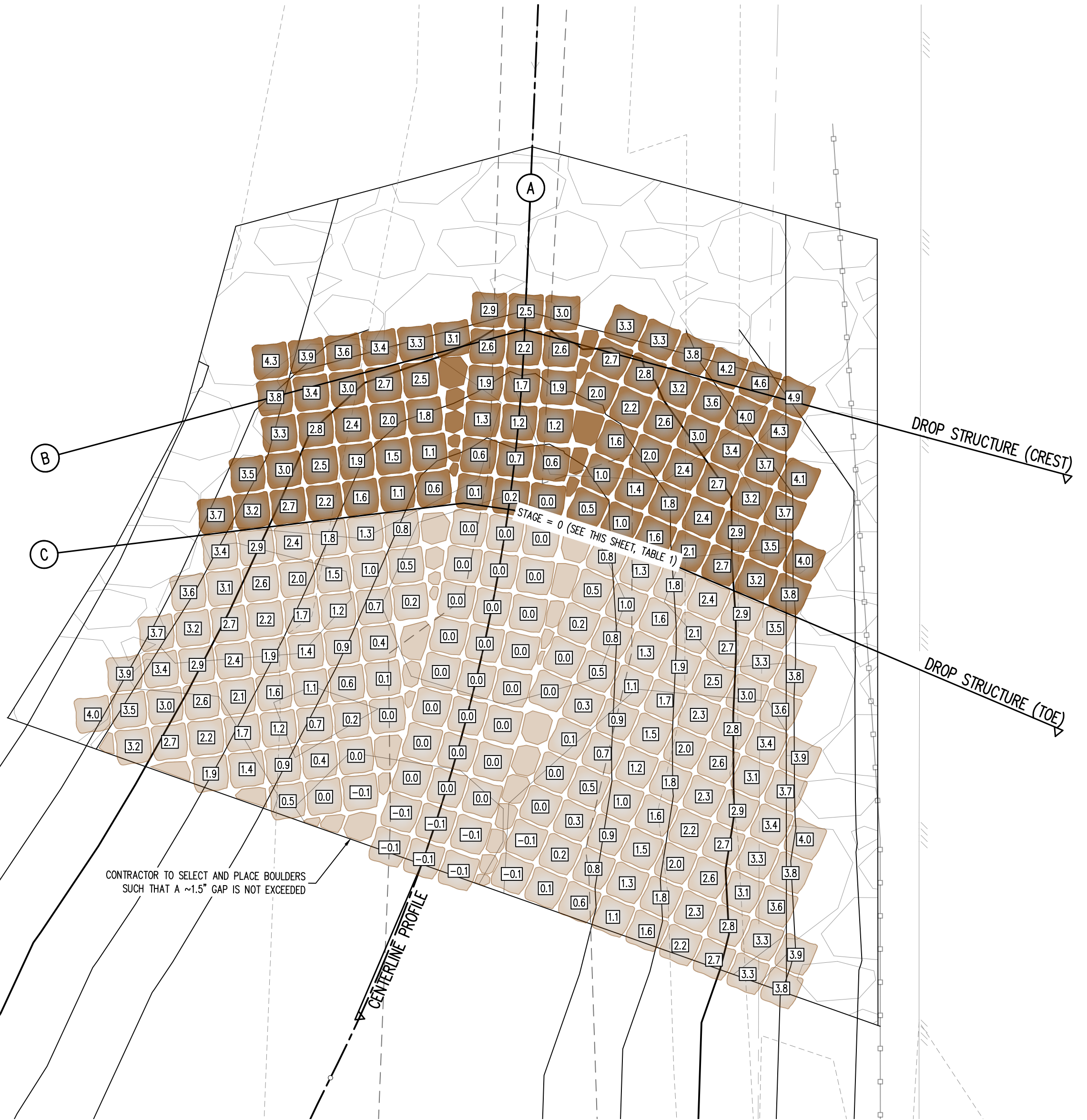


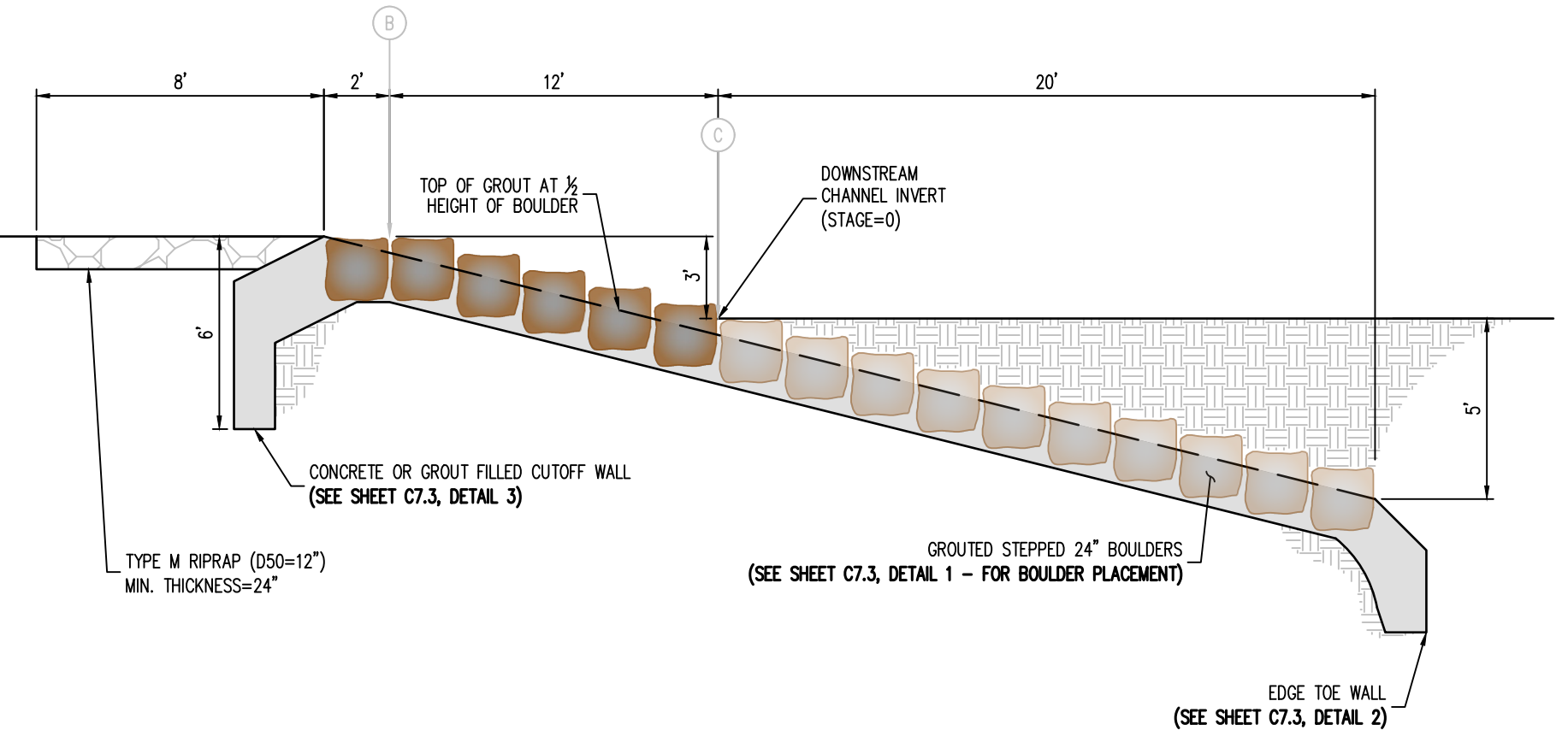
TABLE 1: DROP STRUCTURE STAGE ELEVATIONS

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 (C4.1-C4.4)	

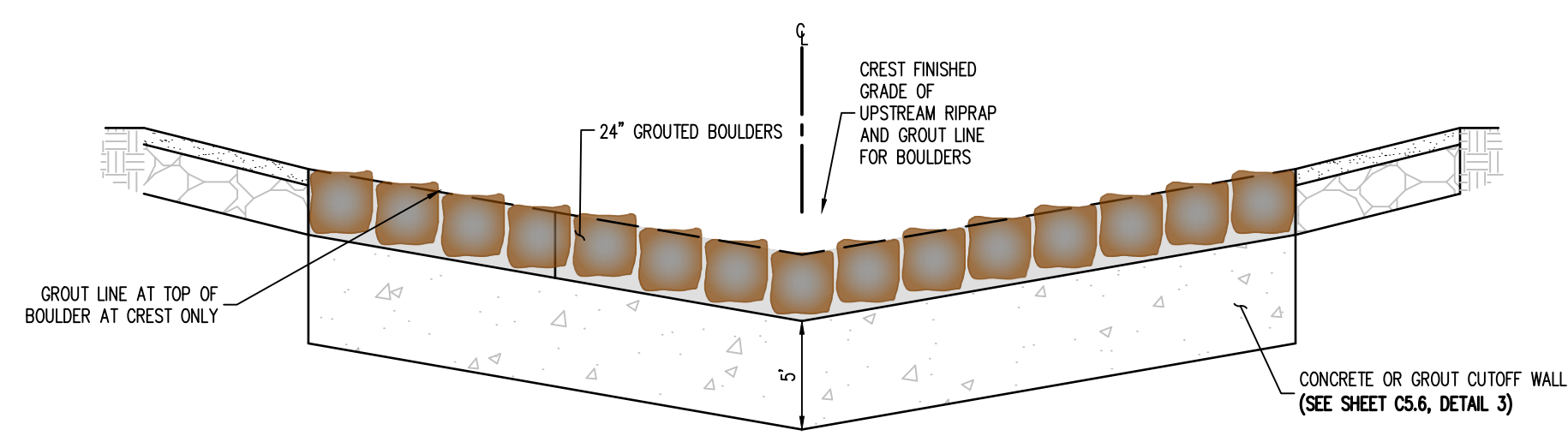
- NOTES:**
- PLACE BOULDERS AS TIGHTLY TOGETHER AS POSSIBLE (WITHOUT TOUCHING) WHILE PROVIDING ENOUGH ROOM BETWEEN THEM TO THOROUGHLY VIBRATE THE GROUT AND TO ENSURE NO GAPS IN THE GROUT. THE SMALL DIMENSION OF A 2X4 CAN BE USED AS A GUIDE TO CHECK MINIMUM SPACING.
 - BEFORE GROUTING, CLEAN ALL DIRT 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 C5.6 FOR ADDITIONAL GROUTED BOULDER PLACEMENT NOTES AND SPECIFICATIONS.



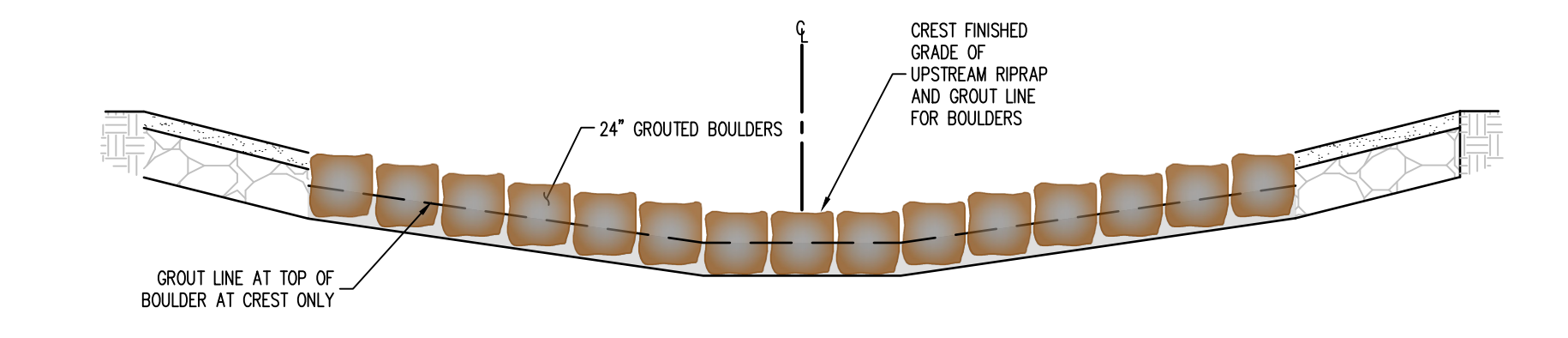
① DROP STRUCTURE (#1) - PLAN VIEW
 SCALE: 1"=5'



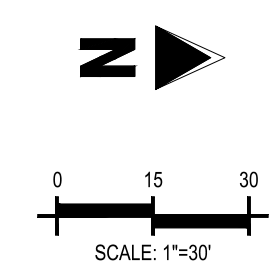
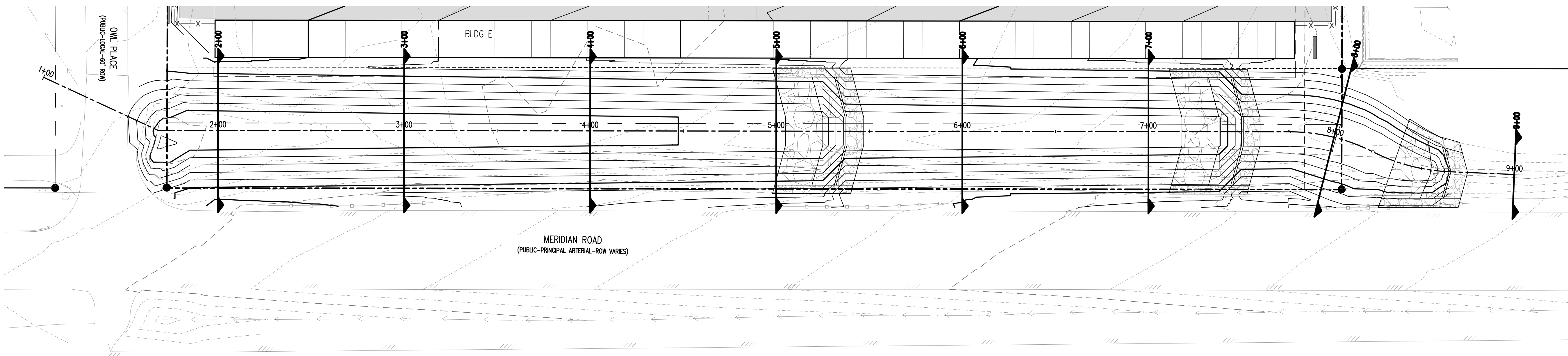
② DROP STRUCTURE (#1) - PROFILE VIEW (SECTION A)
 NOT TO SCALE



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



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

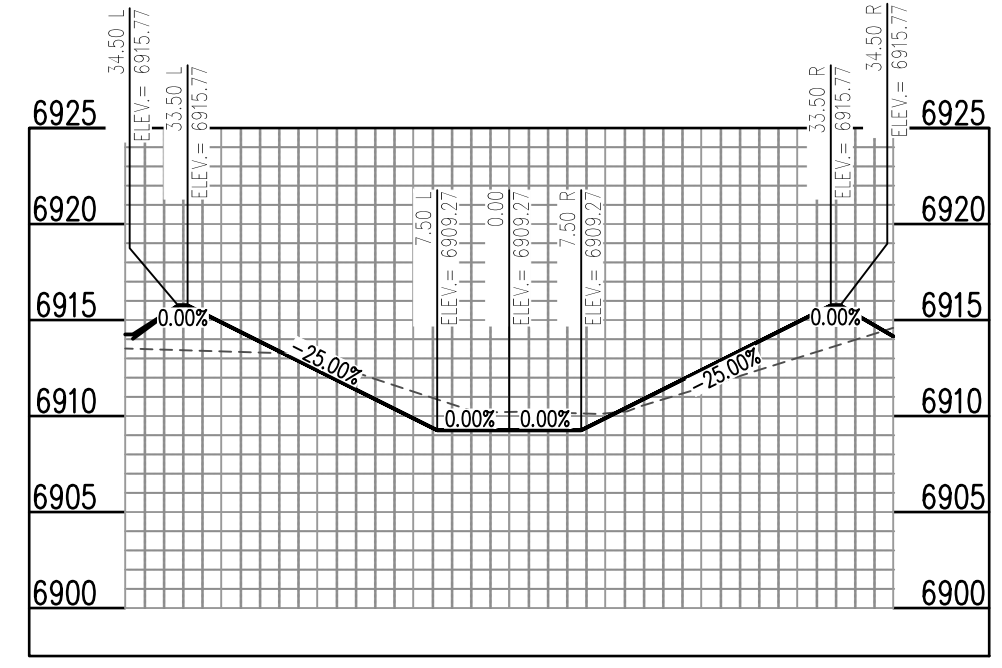


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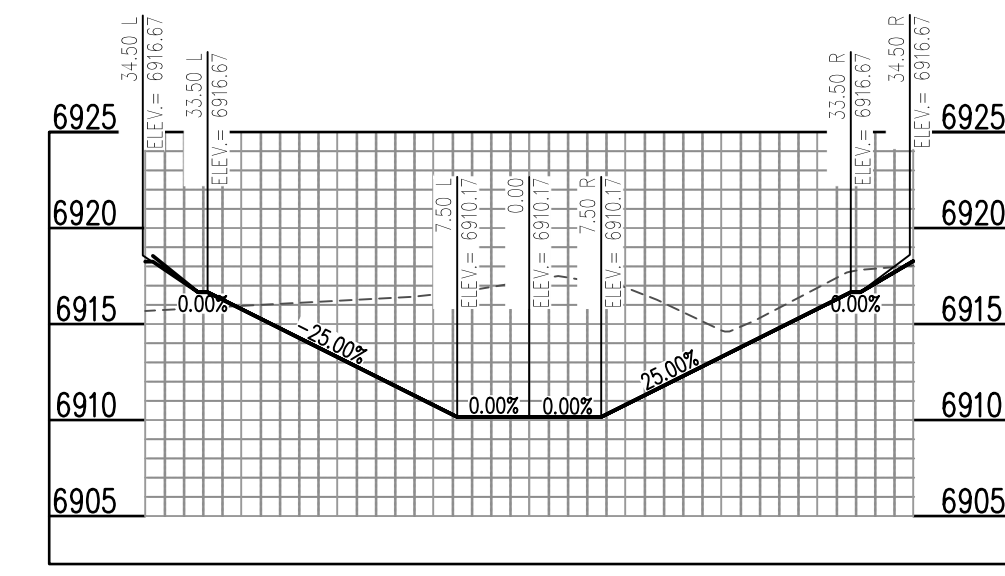


CONSTRUCTION DRAWINGS
 MERIDIAN STORAGE
 MERIDIAN STORAGE, LLC
 SF-23-XXX

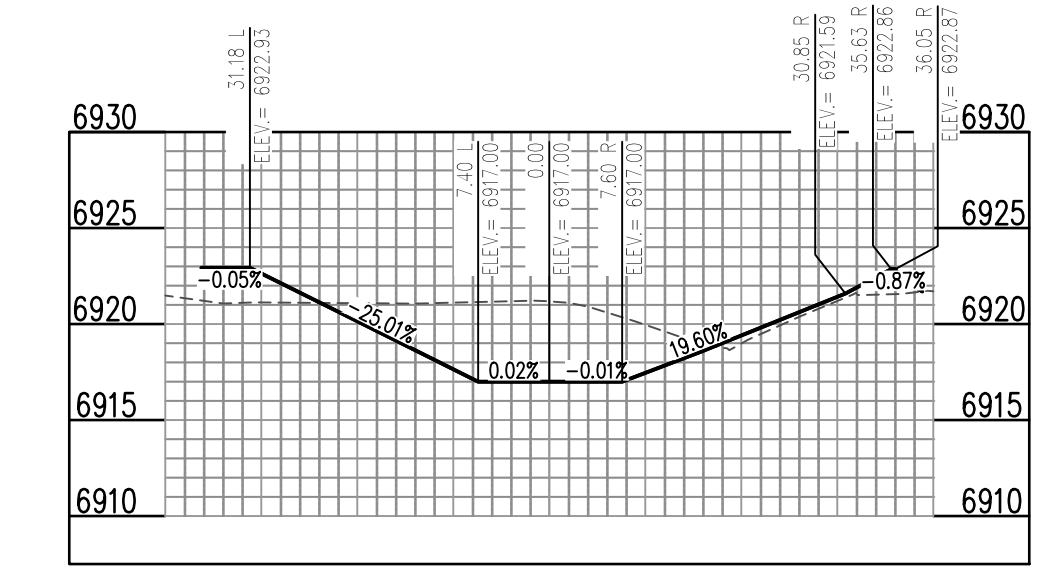
STATE OF COLORADO, MERIDIAN ROAD & OWL PLACE
 EL PASO COUNTY, FALCON, CO 80931



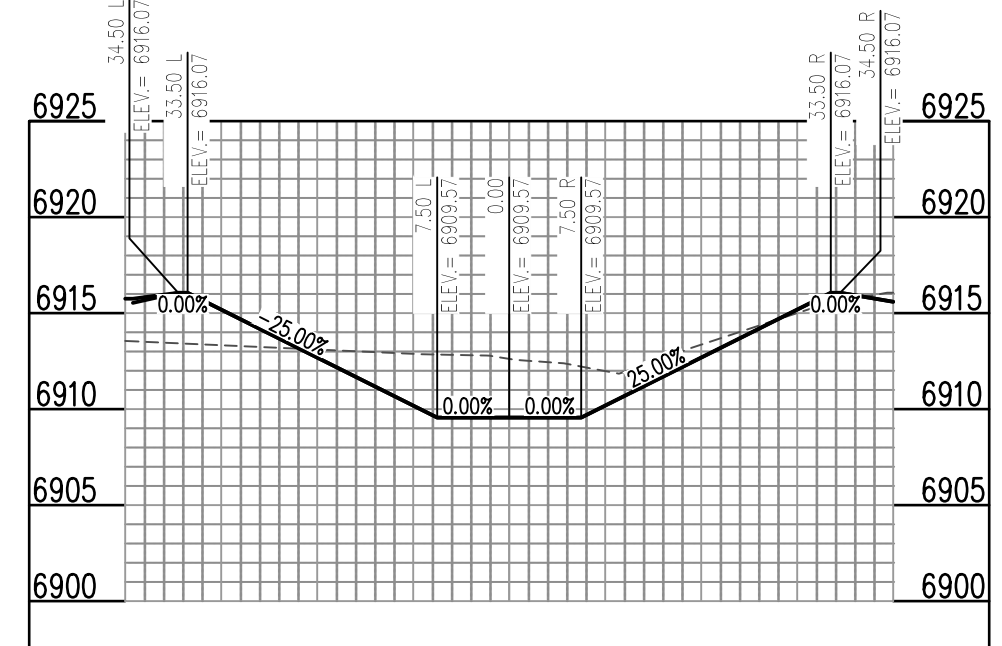
PROP. MERIDIAN ROAD CHANNEL (RMT064) (2+00) - SCALE: H: 1"=20' V: 1"=10'



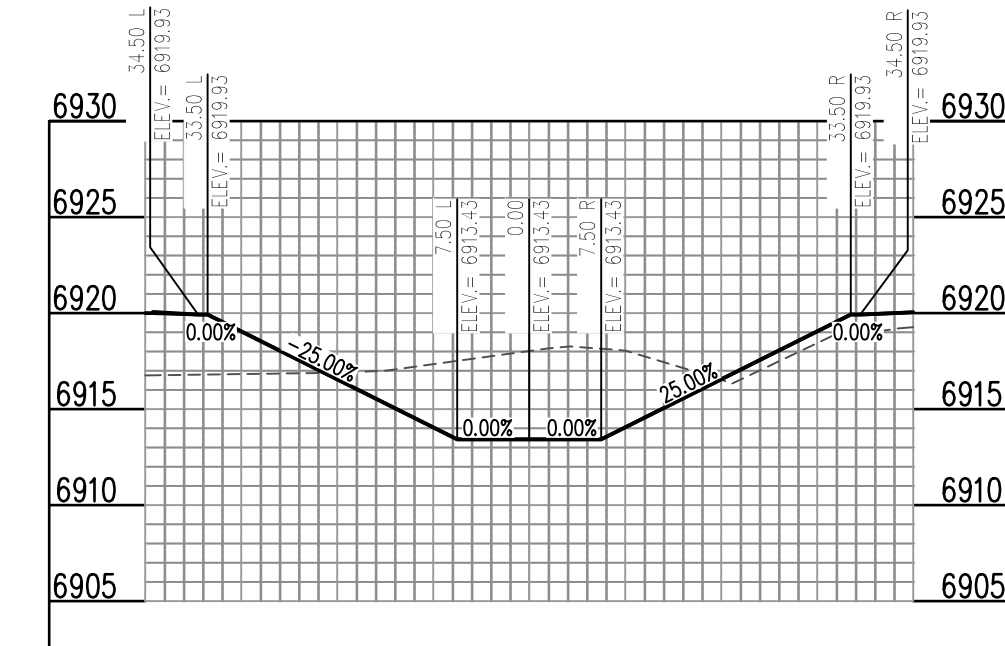
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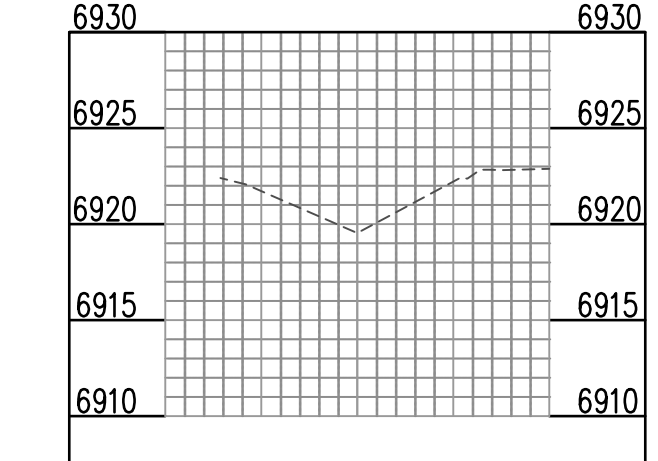
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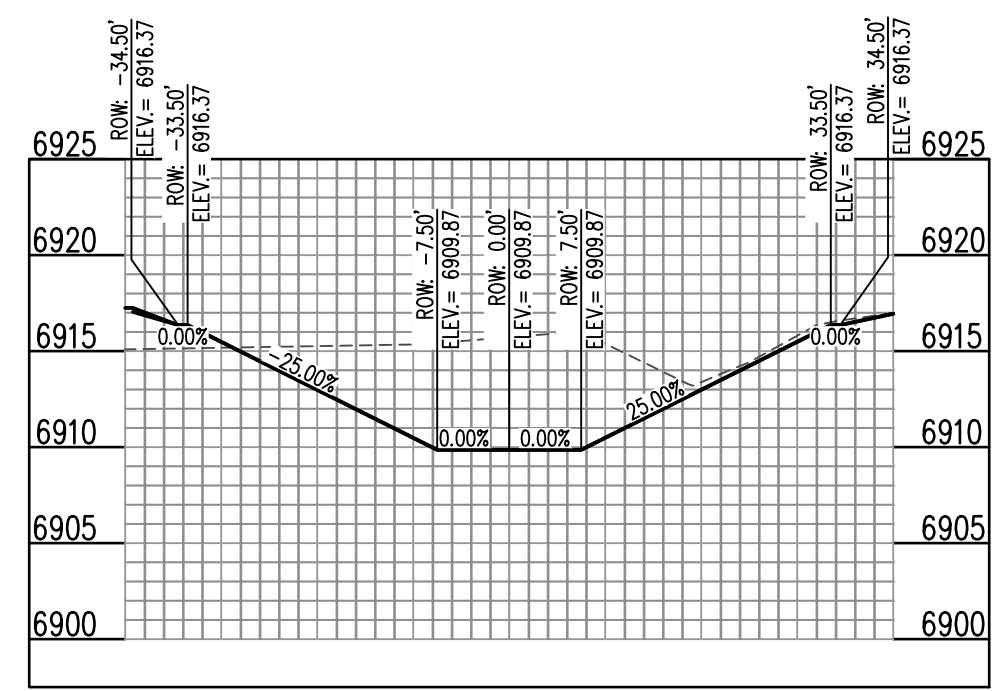
PROP. MERIDIAN ROAD CHANNEL (RMT064) (3+00) - SCALE: H: 1"=20' V: 1"=10'



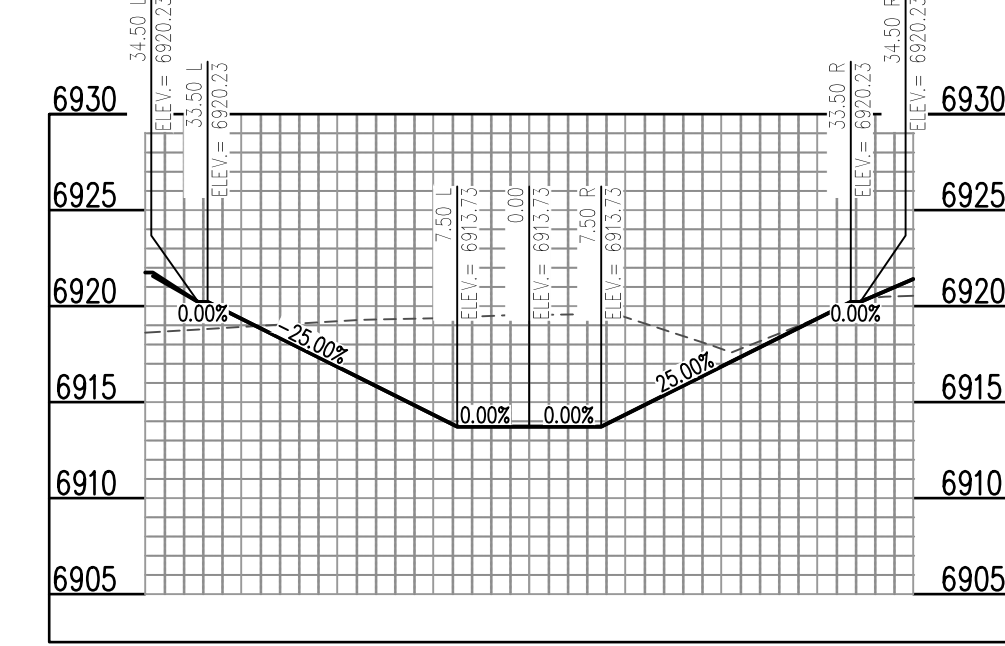
PROP. MERIDIAN ROAD CHANNEL (RMT064) (6+00) - SCALE: H: 1"=20' V: 1"=10'



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'

#	Date	Issue / Description	Init.

Project No: MRS01
 Drawn By: JDM
 Checked By: CMWJ
 Date: PUB

CHANNEL SECTIONS

GENERAL NOTES:

1. ALL UTILITY CONSTRUCTION TO BE CONDUCTED IN CONFORMANCE WITH THE CURRENT WOODMEN HILLS METROPOLITAN DISTRICT (WMHD, THE DISTRICT) SPECIFICATIONS.
2. ALL PLANS ON THE JOB SITE SHALL BE SIGNED BY THE DISTRICT AND THE DISTRICTS 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 12 INCHES AND FITTINGS SHALL HAVE CATHODIC PROTECTION USING TWO 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 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 CITY OF COLORADO SPRINGS, COLORADO DEPARTMENT OF TRANSPORTATION, EL PASO COUNTY DEPARTMENT OF TRANSPORTATION, COLORADO SPRINGS UTILITIES AND THE GEOTECHNICAL ENGINEER.
10. COMPACTION TESTS SHALL BE BOR STANDARD PROCTOR AS DETERMINED BY ASTM D998, UNLESS OTHERWISE APPROVED BY THE DISTRICT OR HIGHER STANDARD AS IMPROVED 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 NOT MORE THAN 0.5' FROM THE DESIGNED ALIGNMENT. CONSTRUCTION STAKES TO BE AT TWENTY-FIVE FEET (25') INTERVALS ALONG CURVES TO ENSURE LOCATION OF PIPE LINE 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 CONTRACTOR 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 OUTER 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 PRE-CONSTRUCTION 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 PRE-CONSTRUCTION MEETING. NO PRE-CONSTRUCTION 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:

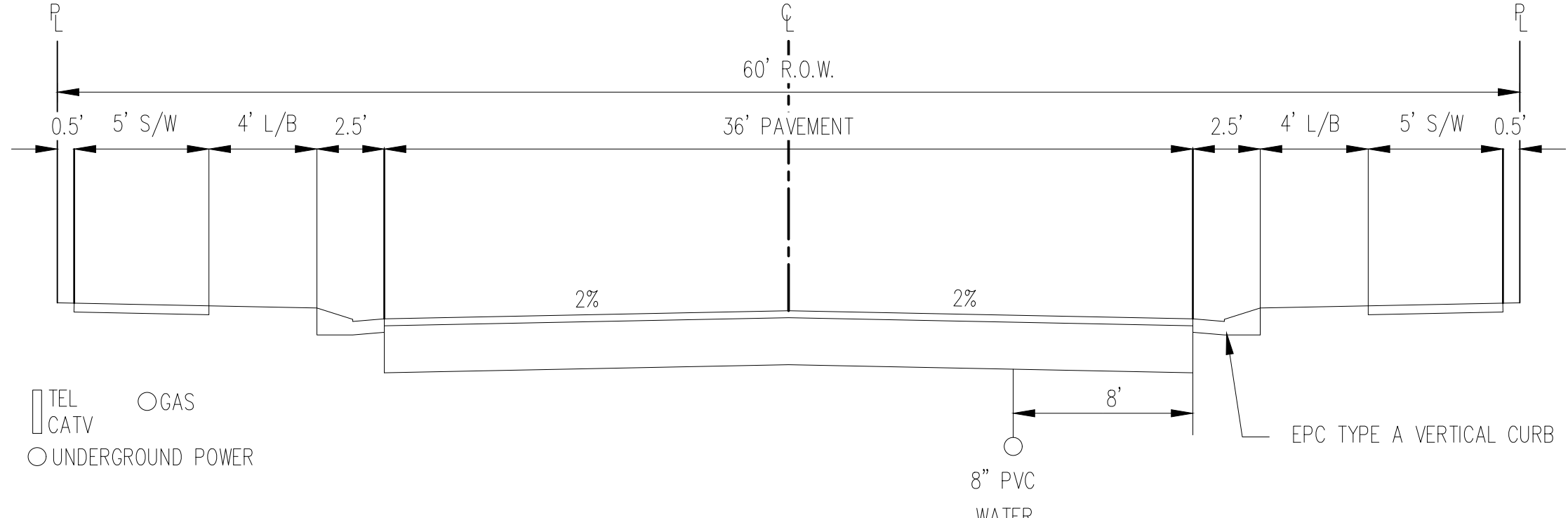
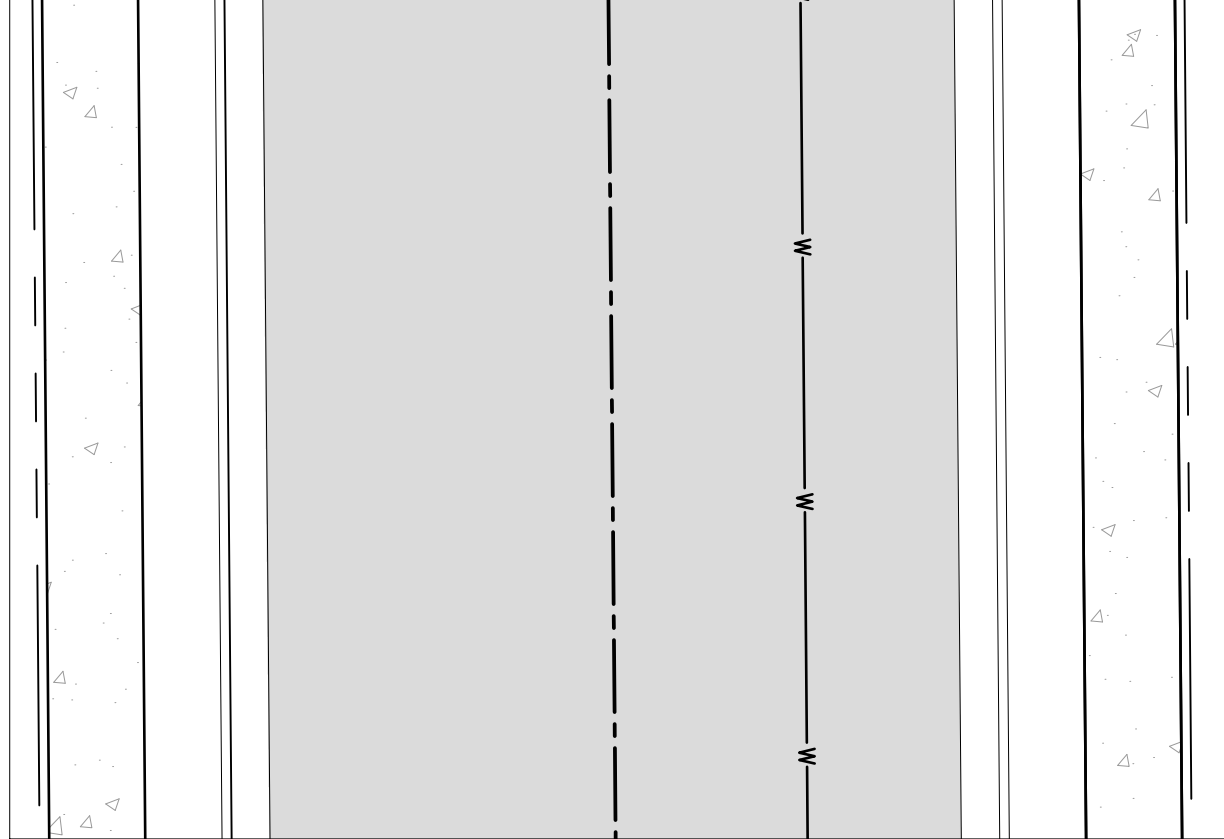
- TEST 100% OF ALL LINES
- MUST PASS PRESSURE TEST TO 200 PSI FOR TWO HOURS (UNLESS OTHERWISE APPROVED ON THE PLANS).

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 TEST PRIOR TO CCTV INSPECTION
- ALL LINES SHALL BE CCTV INSPECTED AND VIDEO SHALL 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-THRU HAS OCCURRED.
B) A SECOND ACCEPTANCE MAY OCCUR ONCE 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 CARBONITE 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 ANMA 9900 PVC, OR 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 CARBONITE MARKERS. ALL VALVES ASSOCIATED WITH THE RAW WATER SYSTEM SHALL BE OPEN COUNTERCLOCKWISE AND MARKED WITH CARBONITE 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 500 FT (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, BAG-T TESTING, 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 DEEDED) ARE DEDICATED, EXECUTED BY THE DISTRICT, AND RECORDED.
WASTEWATER SYSTEM INSTALLATION NOTES
38. SANITARY SEWER LENGTHS ARE MH CENTER - MH CENTER. ALL SANITARY SEWER PIPES SHALL BE SDR 35 PVC OR APPROVED EQUAL. SEWER LINES MAY NOT EXCEED 7% GRADE FOR ANY SIZE WITHOUT PRIOR APPROVAL OF THE DISTRICT. ALL NEWLY CONSTRUCTED RESIDENTIAL SANITARY SEWER TAPS SHALL USE PRE-MANUFACTURED, IN-LINE PVC PUSH-ON WYES. TAPPING SADDLES MAY ONLY BE USED FOR TAPPING PRE-EXISTING MAINS.
39. ALL SANITARY SEWER MANHOLES SHALL BE WRAPPED WITH RUI16 - RUBR-NEK JOINT WRAP, OR APPROVAL EQUAL, AND COATED.
40. COMMENCEMENT OF USE OF SEWER LINES AND/OR SYSTEMS:
A) NO SANITARY SEWER FACILITY SHALL BE PLACED IN SERVICE UNTIL THE COMPLETION OF ALL JET CLEANING, PRESSURE TESTING, VACUUM TESTING, CCTV INSPECTION, COMPACTION TESTING, AND AS-BUILT DRAWINGS ARE SUBMITTED AND APPROVED BY THE DISTRICT.
B) NO SANITARY SEWER 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, ANY REQUIRED SURFACE IMPROVEMENTS SHALL BE COMPLETED PRIOR TO USE OF THE FACILITY.
C) ALL NECESSARY EASEMENTS (PLATTED OR DEEDED) ARE DEDICATED, EXECUTED BY THE DISTRICT, AND RECORDED.
D) DOWNSTREAM PLUG CAN BE REMOVED ONCE FIRST LIFT OF ASPHALT IS DOWN AND THE ABOVE REQUIREMENTS ARE MET.
THE ABOVE GUIDELINES ARE SUBJECT TO CHANGE AT ANY TIME.



TYPICAL STREET SECTION - URBAN LOCAL ROADWAY
N.T.S.

- STREET NAMES
1. MERIDIAN PARK DRIVE
2. OWL PLACE



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UTILITY CONSTRUCTION DRAWINGS
MERIDIAN STORAGE
MERIDIAN STORAGE, LLC
SF-23-XXX

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: UTIL

NOTES

03/05/2023 10:54:33 AM

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
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 SIGN
PROPOSED BOLLARDS

UTILITY LEGEND

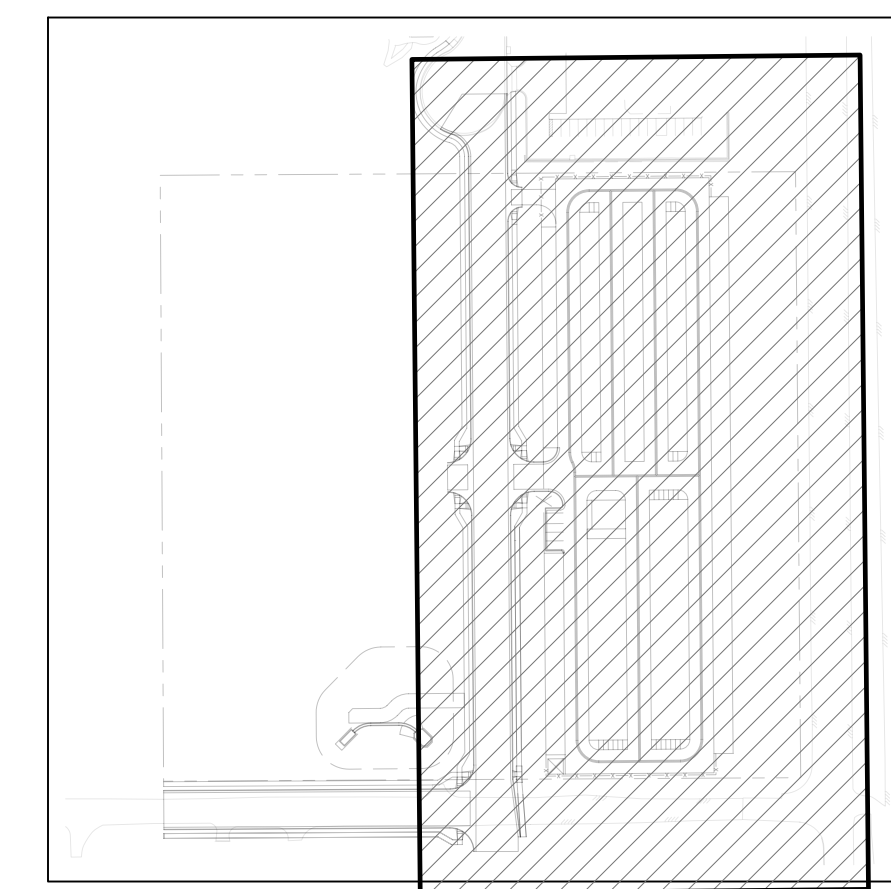
- EXISTING WATER LINE
PROPOSED WATER LINE
EXISTING SANITARY SEWER
PROPOSED SANITARY SEWER
EXISTING STORM SEWER
PROPOSED STORM SEWER
EXISTING GAS LINE
PROPOSED GAS LINE
EXISTING UNDERGROUND TELEPHONE
EXISTING OVERHEAD ELECTRIC
EXISTING FIBER OPTIC LINE
EXISTING FIBER OPTIC STRUCTURES
EXISTING TELEPHONE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

- 1. ALL WATER MAINS SHALL BE NO CLOSER THAN FIVE FEET (5') TO EDGE OF CONCRETE CURB AND/OR GUTTER.
2. WATER MAINS SHALL BE DESIGNED FOR A MINIMUM OF FIVE FEET SIX INCHES (5'-6") AND A MAXIMUM OF SIX FEET SIX INCHES (6'-6") OF COVER, EXCEPT WHERE ANOTHER UTILITY CAUSES A CONFLICT, IN WHICH CASE THE WATER MAIN SHALL BE LOWERED AS NECESSARY.
3. CONTRACTOR TO READ AND BECOME FAMILIAR WITH THE WOODMEN HILLS METROPOLITAN DISTRICT WATER AND WASTE WATER SYSTEM STANDARD SPECIFICATIONS, CRITERIA MANUAL AND DETAILS PRIOR TO BEGINNING CONSTRUCTION.

CAUTION - NOTICE TO CONTRACTOR

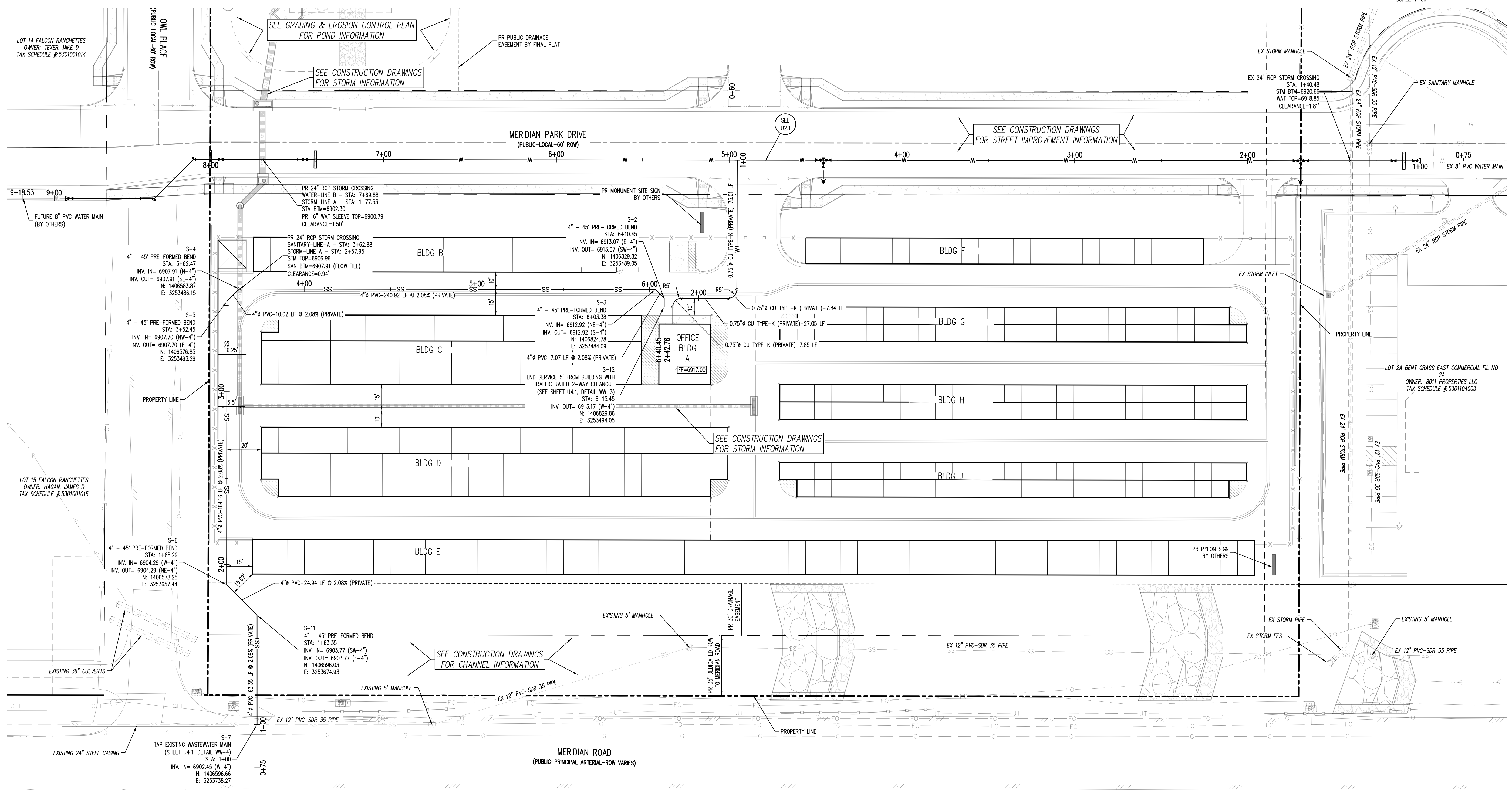
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KEYMAP SCALE: 1"=200'



SCALE: 1"=30'



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UTILITY CONSTRUCTION DRAWINGS
MERIDIAN STORAGE
MERIDIAN STORAGE, LLC
SF-23-XXX

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

Table with 4 columns: #, Date, Issue / Description, Init. (Revision table)

Project No: MRS01
Drawn By: JDM
Checked By: CMWJ
Date: UTIL

UTILITY PLAN

U1.1

Sheet 3 of 8

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
(X-X-X-X)	EXISTING FENCE
(X-X-X-X)	PROPOSED FENCE
(-O-O-	EXISTING GUARDRAIL
(=O=O=)	PROPOSED CURB AND GUTTER
(=O=O=)	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

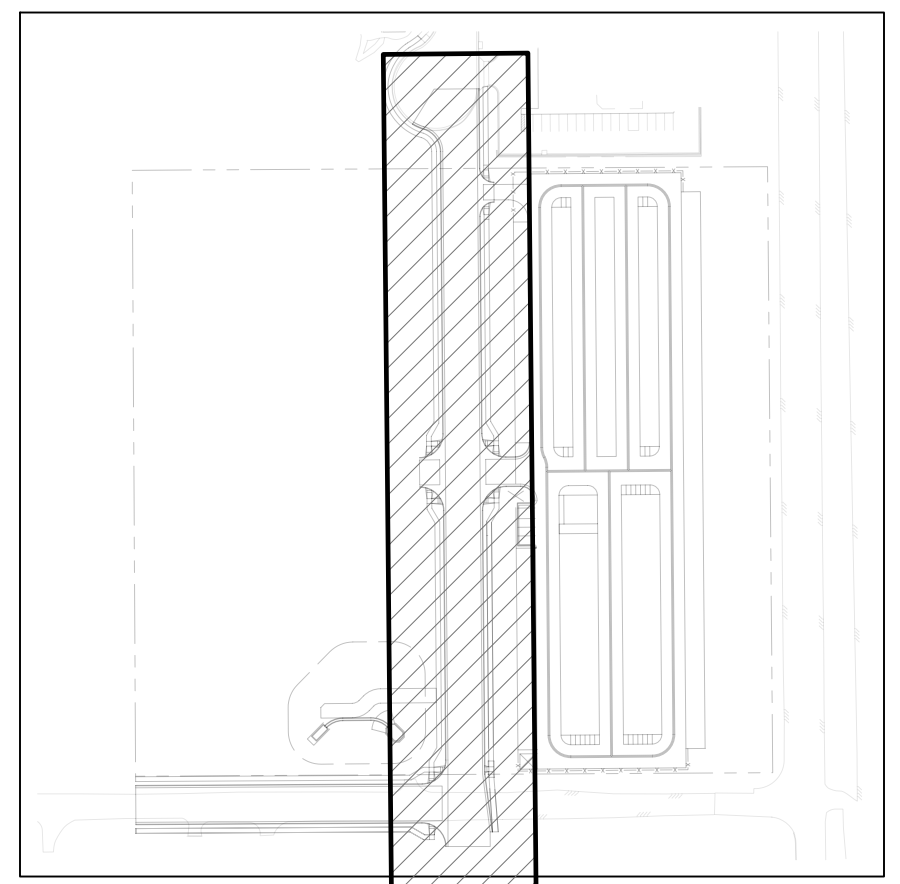
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(---SS---	PROPOSED SANITARY SEWER
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(---SS---	PROPOSED STORM SEWER
(---G---	EXISTING GAS LINE
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(---SLL---	EXISTING STREET LIGHT
(---SLL---	PROPOSED STREET LIGHT
(---M---	EXISTING WATER METER
(---M---	PROPOSED WATER METER
(---V---	EXISTING WATER VALVE
(---V---	PROPOSED WATER VALVE
(---F---	EXISTING FIRE HYDRANT
(---F---	PROPOSED FIRE HYDRANT
(---M---	EXISTING STORM SEWER MANHOLE
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(---M---	EXISTING SANITARY SEWER MANHOLE
(---M---	PROPOSED SANITARY SEWER MANHOLE

NOTES

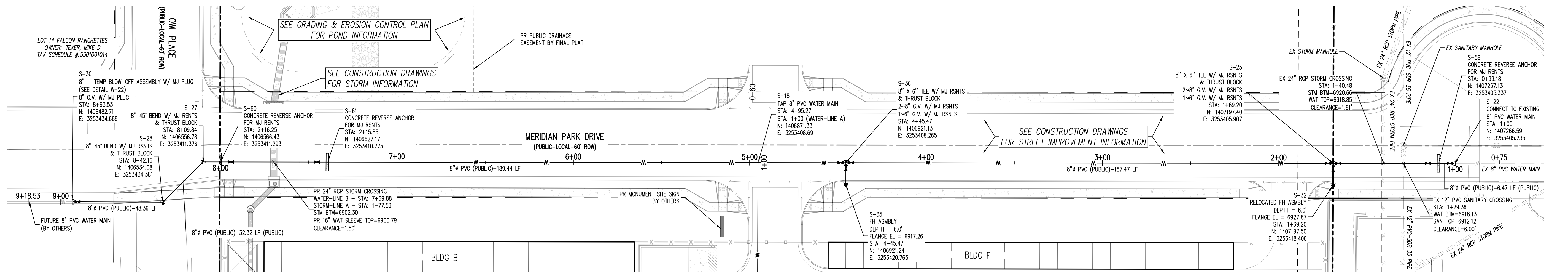
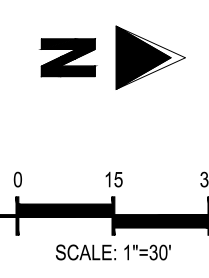
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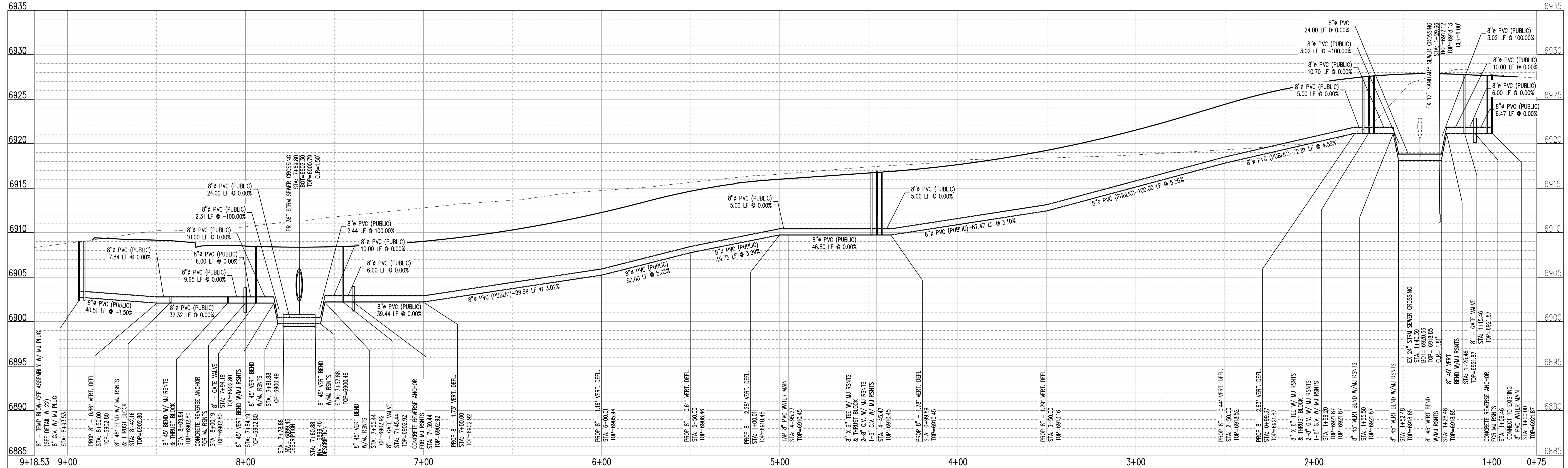
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KEYMAP
SCALE: 1"=200'



WATER-LINE B (STA: 0+75 - 9+18.53)
SCALES: HORIZONTAL 1"=20', VERTICAL 1"=4'



WATER-LINE A (STA: 0+75 - 9+18.53)
SCALES: HORIZONTAL 1"=20', VERTICAL 1"=4'

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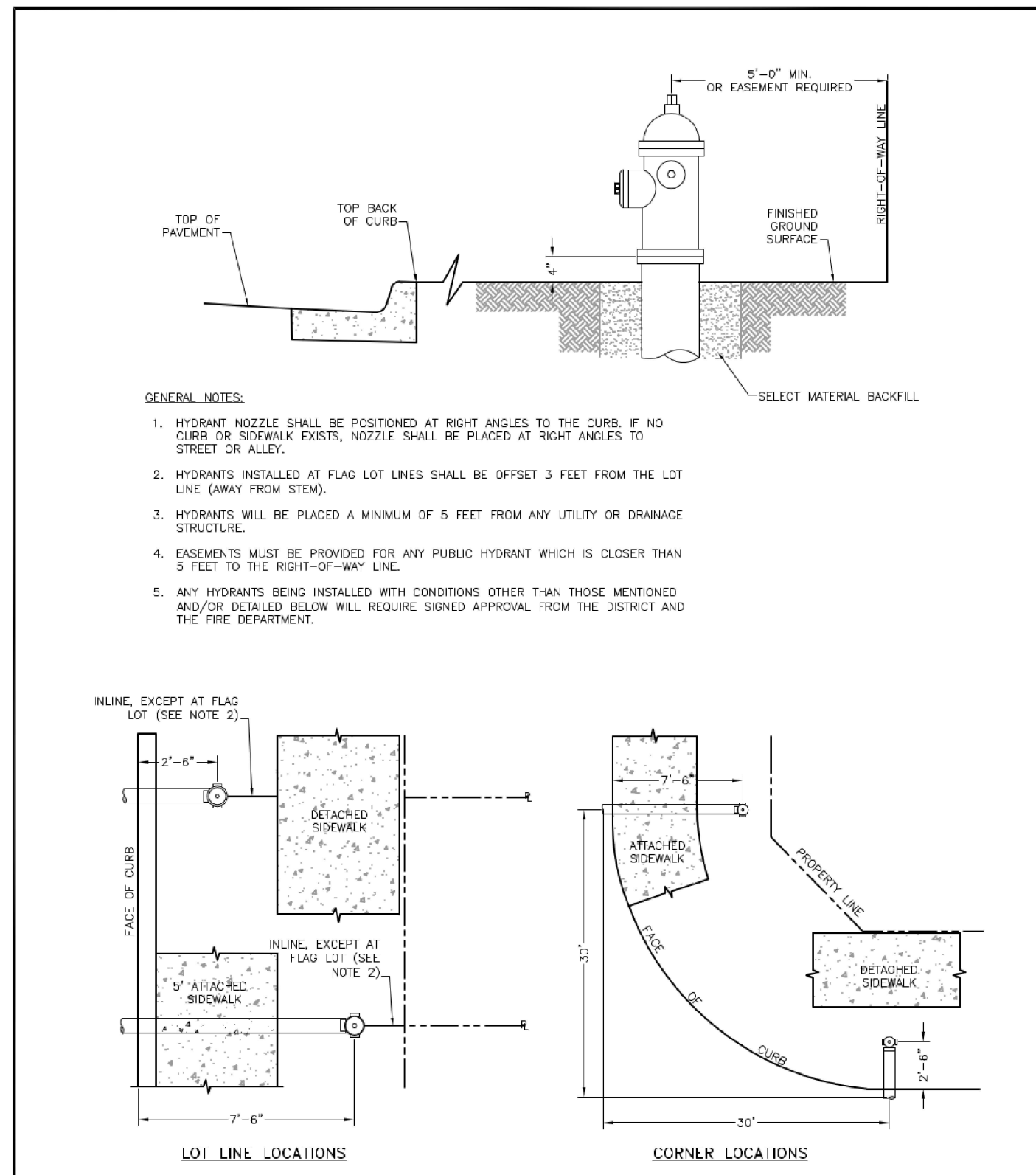
UTILITY CONSTRUCTION DRAWINGS
MERIDIAN STORAGE
MERIDIAN STORAGE, LLC
SF-23-XXX

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

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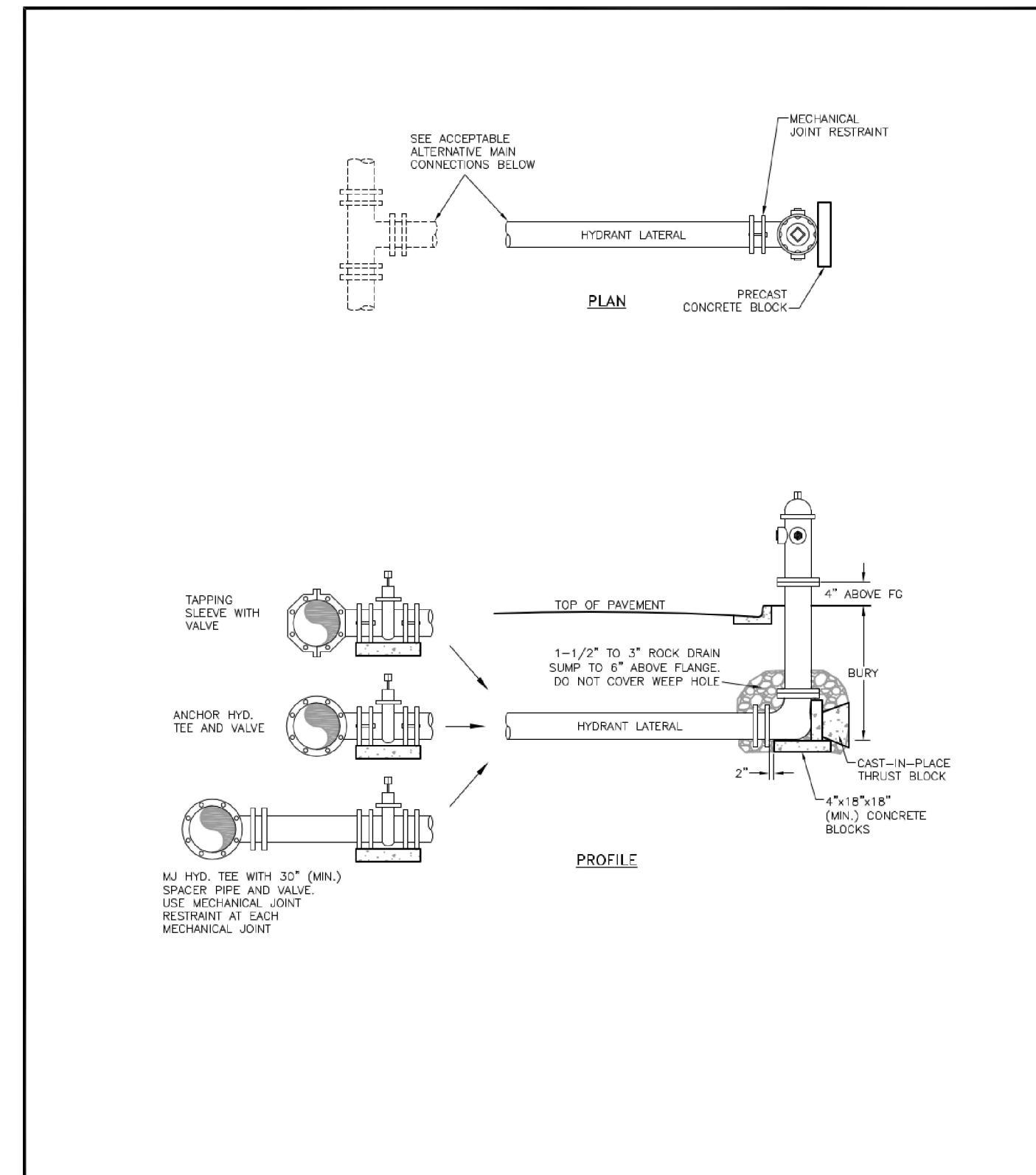
Project No:	MRS01
Drawn By:	JDM
Checked By:	CMWJ
Date:	UTIL

WATER P&P



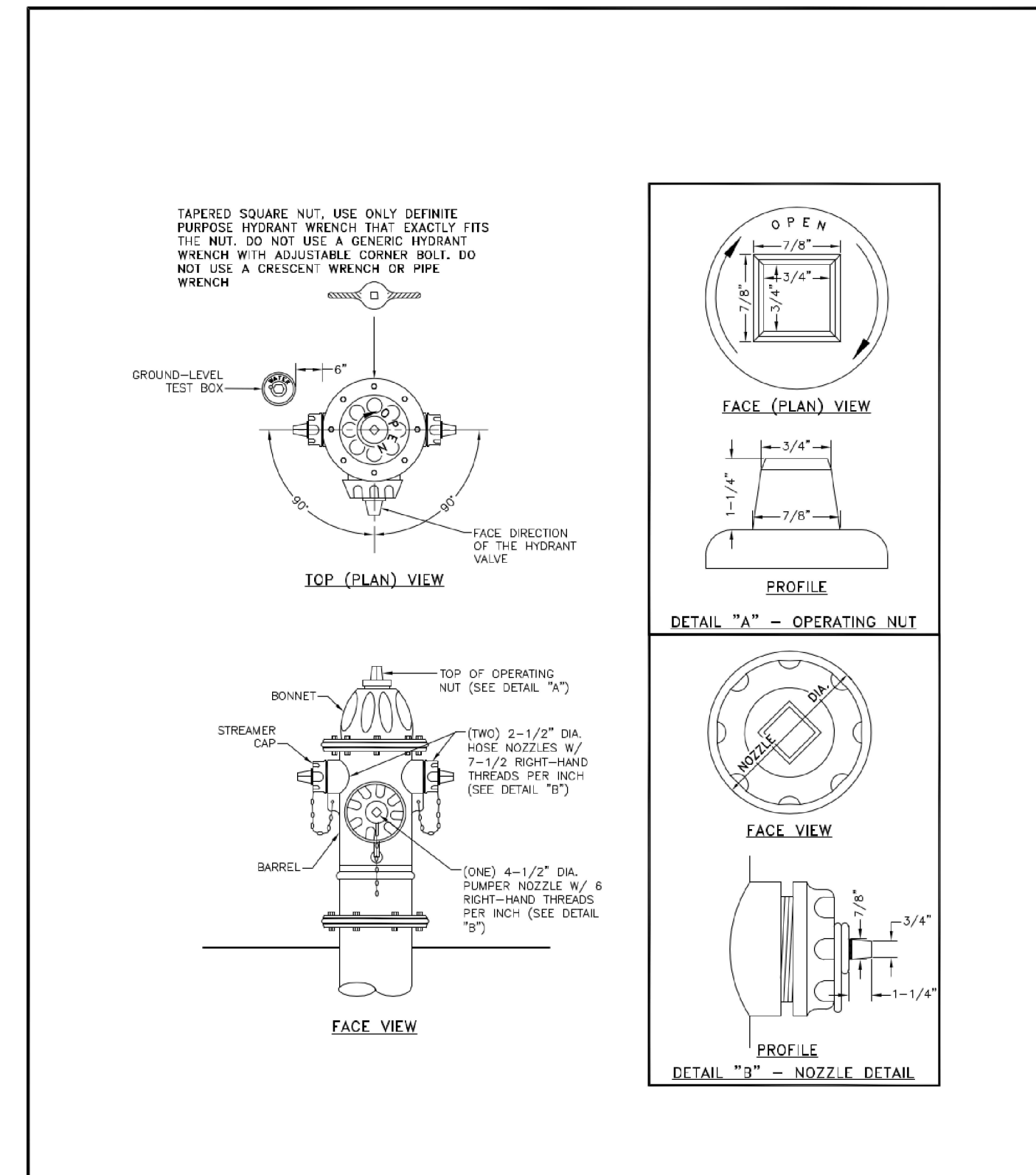
FIRE HYDRANT LOCATIONS

Drawn: JDM	Revised: DECEMBER 2021	WOODMEN HILLS METROPOLITAN DISTRICT	WATER & WASTEWATER SYSTEM STANDARD SPECIFICATIONS	W-1
Date: MARCH 2011	Revised:			
Scale: N.P.S.	Revised:			



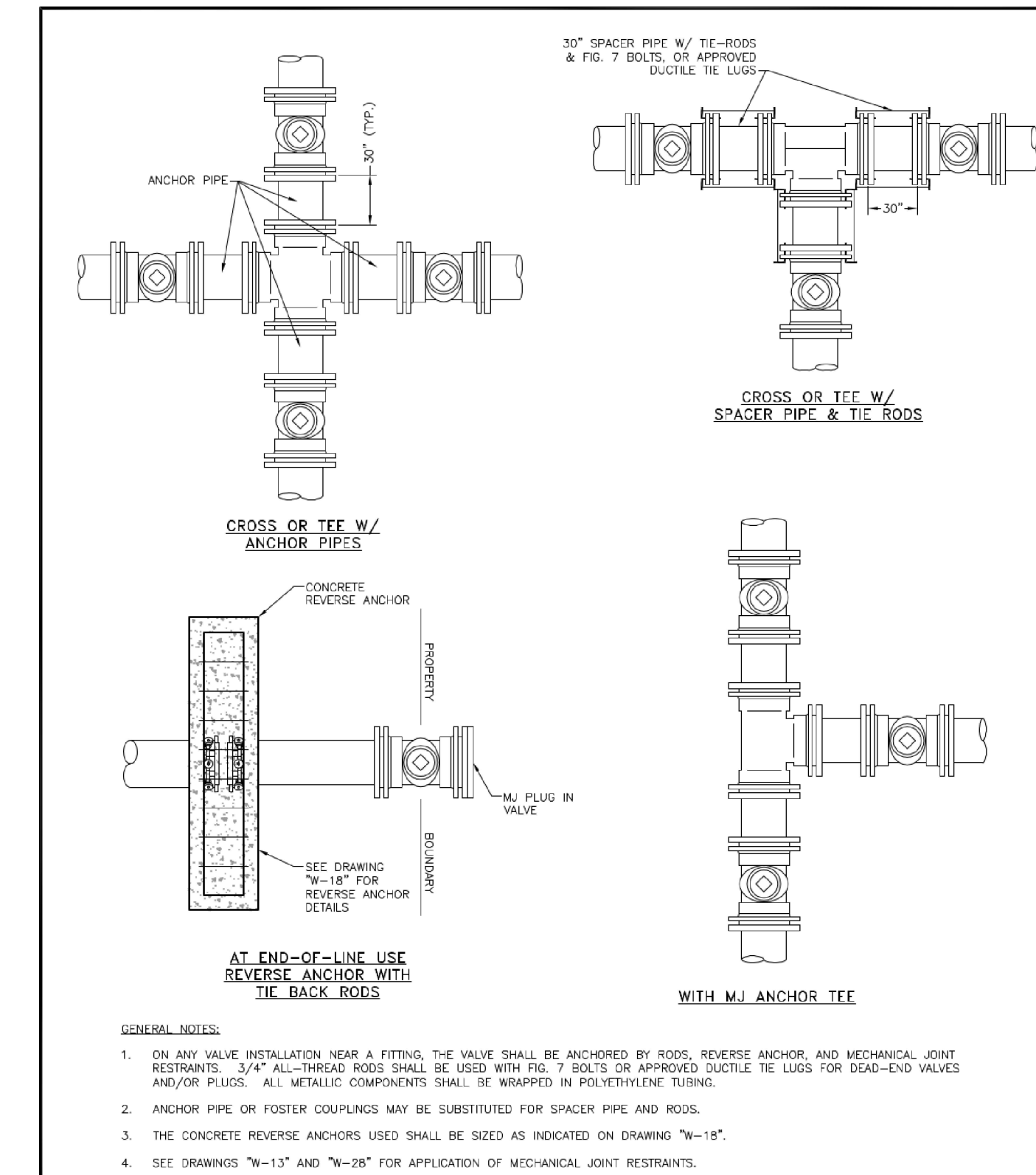
FIRE HYDRANT INSTALLATION

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Date: MARCH 2011	Revised:			
Scale: N.P.S.	Revised:			



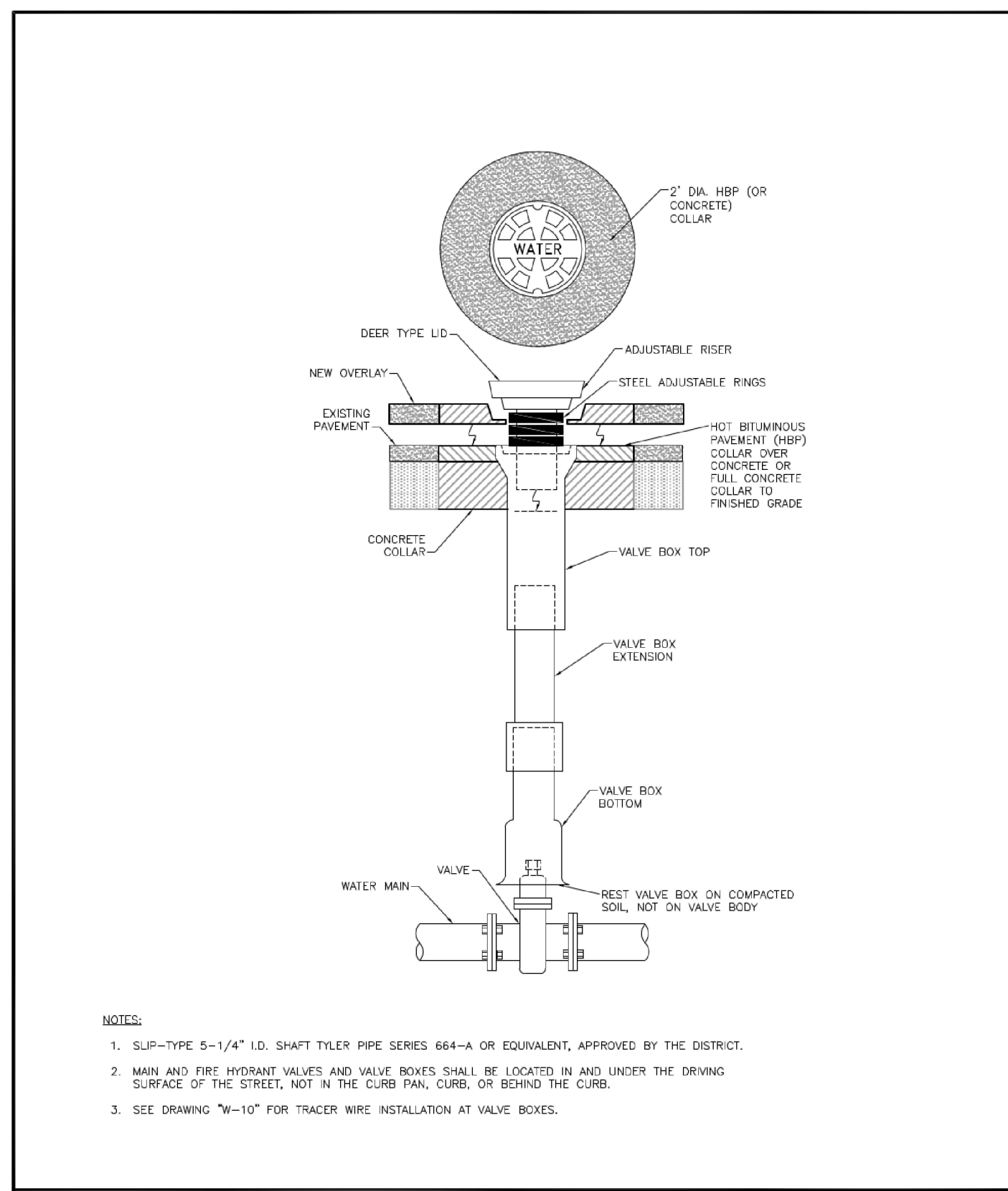
FIRE HYDRANT SPECIFICATIONS

Drawn: JDM	Revised: DECEMBER 2021	WOODMEN HILLS METROPOLITAN DISTRICT	WATER & WASTEWATER SYSTEM STANDARD SPECIFICATIONS	W-3
Date: MARCH 2011	Revised:			
Scale: N.P.S.	Revised:			



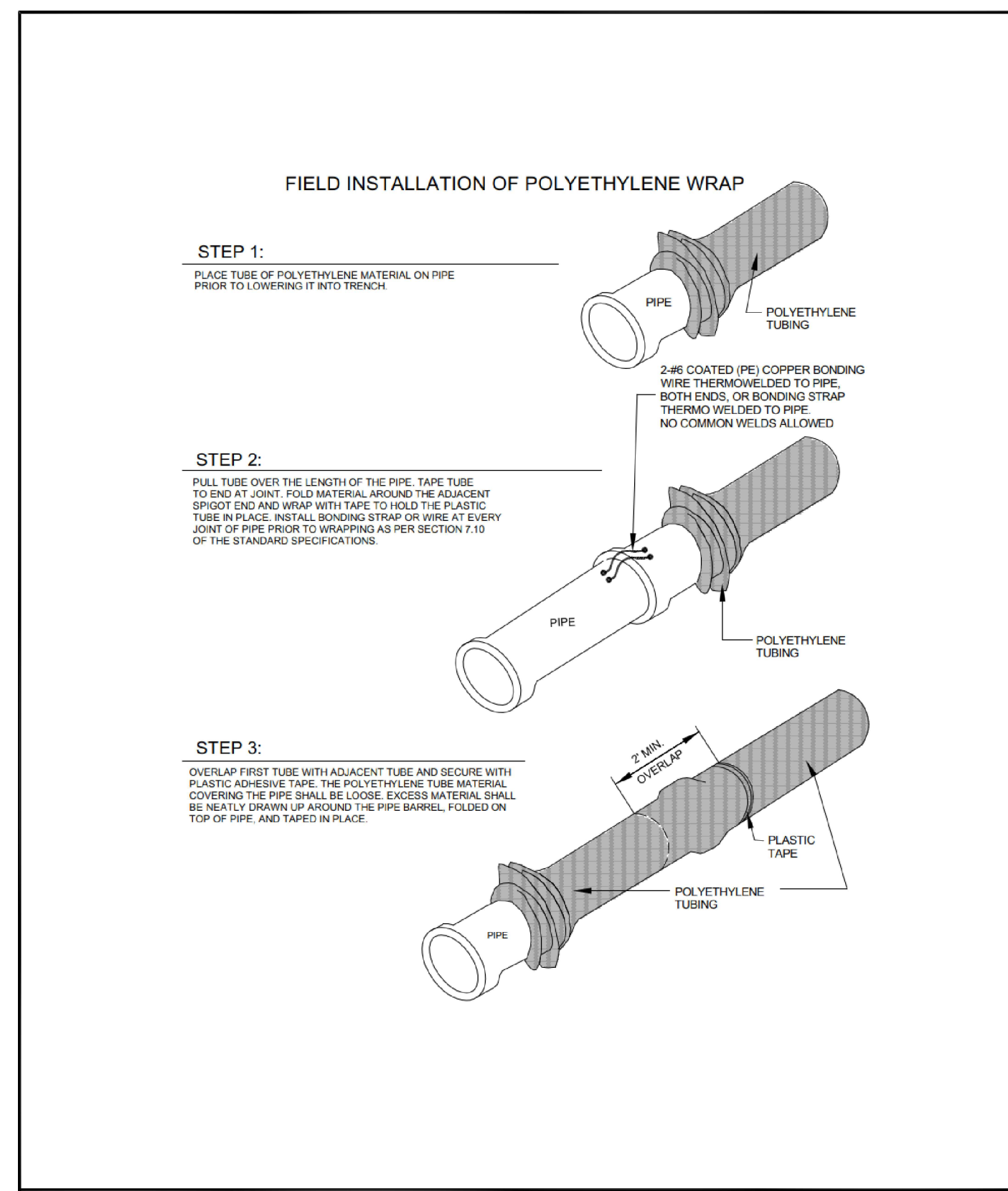
VALVE INSTALLATION & LOCATION

Drawn: JDM	Revised: DECEMBER 2021	WOODMEN HILLS METROPOLITAN DISTRICT	WATER & WASTEWATER SYSTEM STANDARD SPECIFICATIONS	W-5
Date: MARCH 2011	Revised:			
Scale: N.P.S.	Revised:			



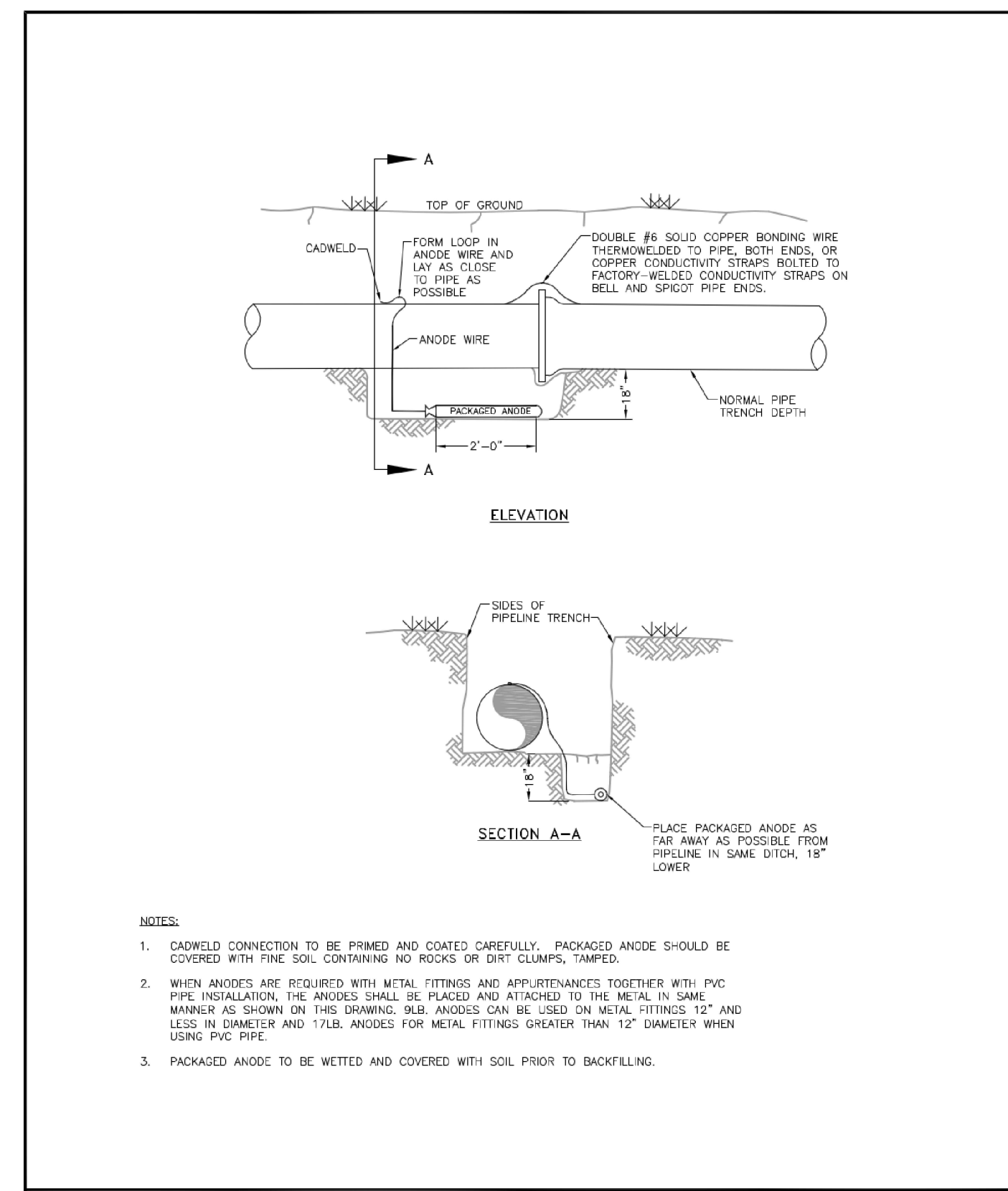
VALVE BOX INSTALLATION

Drawn: JDM	Revised: DECEMBER 2021	WOODMEN HILLS METROPOLITAN DISTRICT	WATER & WASTEWATER SYSTEM STANDARD SPECIFICATIONS	W-6
Date: MARCH 2011	Revised:			
Scale: N.P.S.	Revised:			



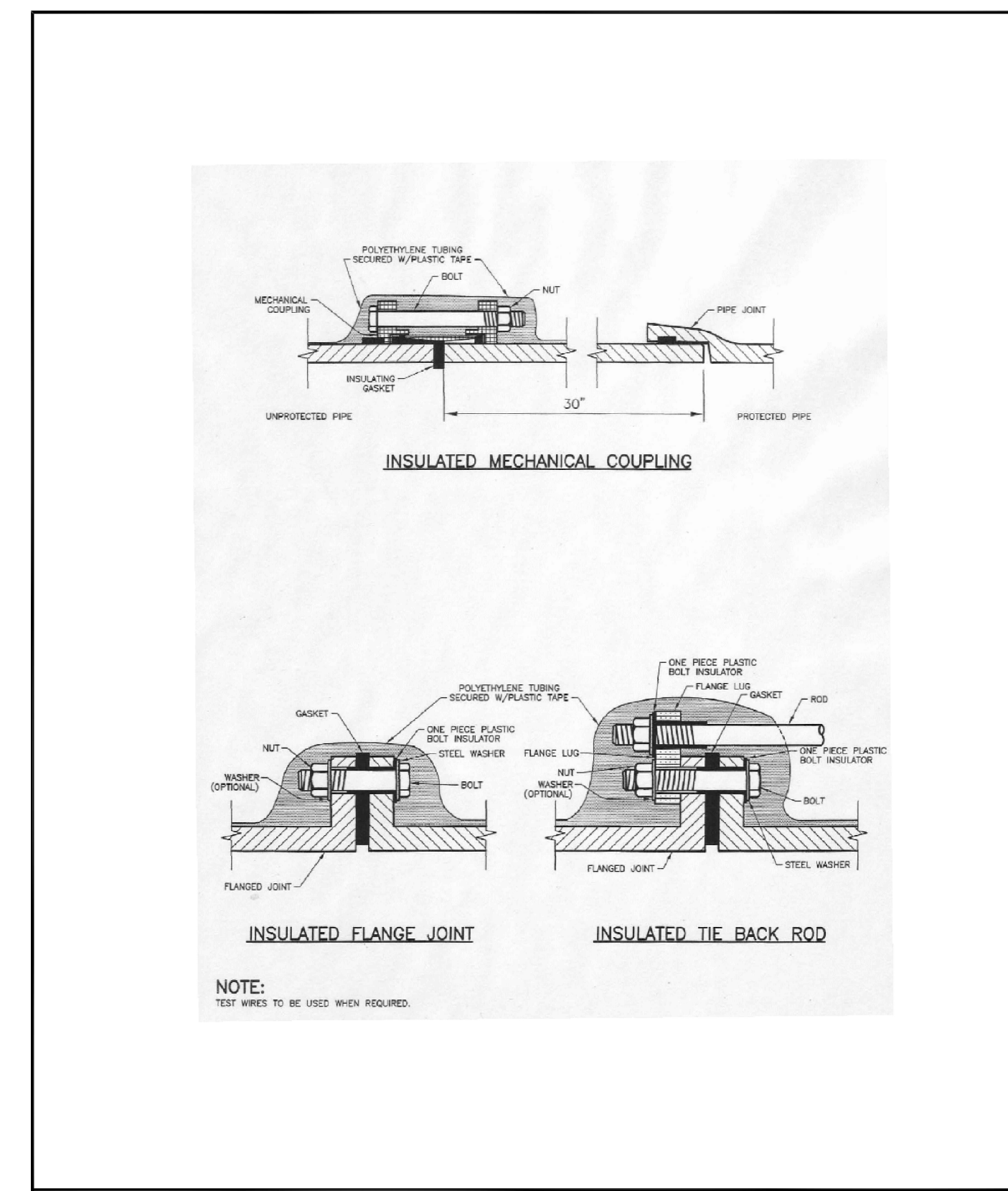
POLYETHYLENE WRAP

Drawn: JDM	Revised: DECEMBER 2021	WOODMEN HILLS METROPOLITAN DISTRICT	WATER & WASTEWATER SYSTEM STANDARD SPECIFICATIONS	W-7
Date: MARCH 2011	Revised:			
Scale: N.P.S.	Revised:			



BONDING JOINT & ANODE INSTALLATION

Drawn: JDM	Revised: DECEMBER 2021	WOODMEN HILLS METROPOLITAN DISTRICT	WATER & WASTEWATER SYSTEM STANDARD SPECIFICATIONS	W-8
Date: MARCH 2011	Revised:			
Scale: N.P.S.	Revised:			



INSULATOR INSTALLATION

Drawn: JDM	Revised: DECEMBER 2021	WOODMEN HILLS METROPOLITAN DISTRICT	WATER & WASTEWATER SYSTEM STANDARD SPECIFICATIONS	W-9
Date: MARCH 2011	Revised:			
Scale: N.P.S.	Revised:			

#	Date	Issue / Description	Init.

Project No:	MRS01
Drawn By:	JDM
Checked By:	CMWJ
Date:	UTIL

WATER DETAILS

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UTILITY CONSTRUCTION DRAWINGS
 MERIDIAN STORAGE
 MERIDIAN STORAGE, LLC
 SF-23-XXX

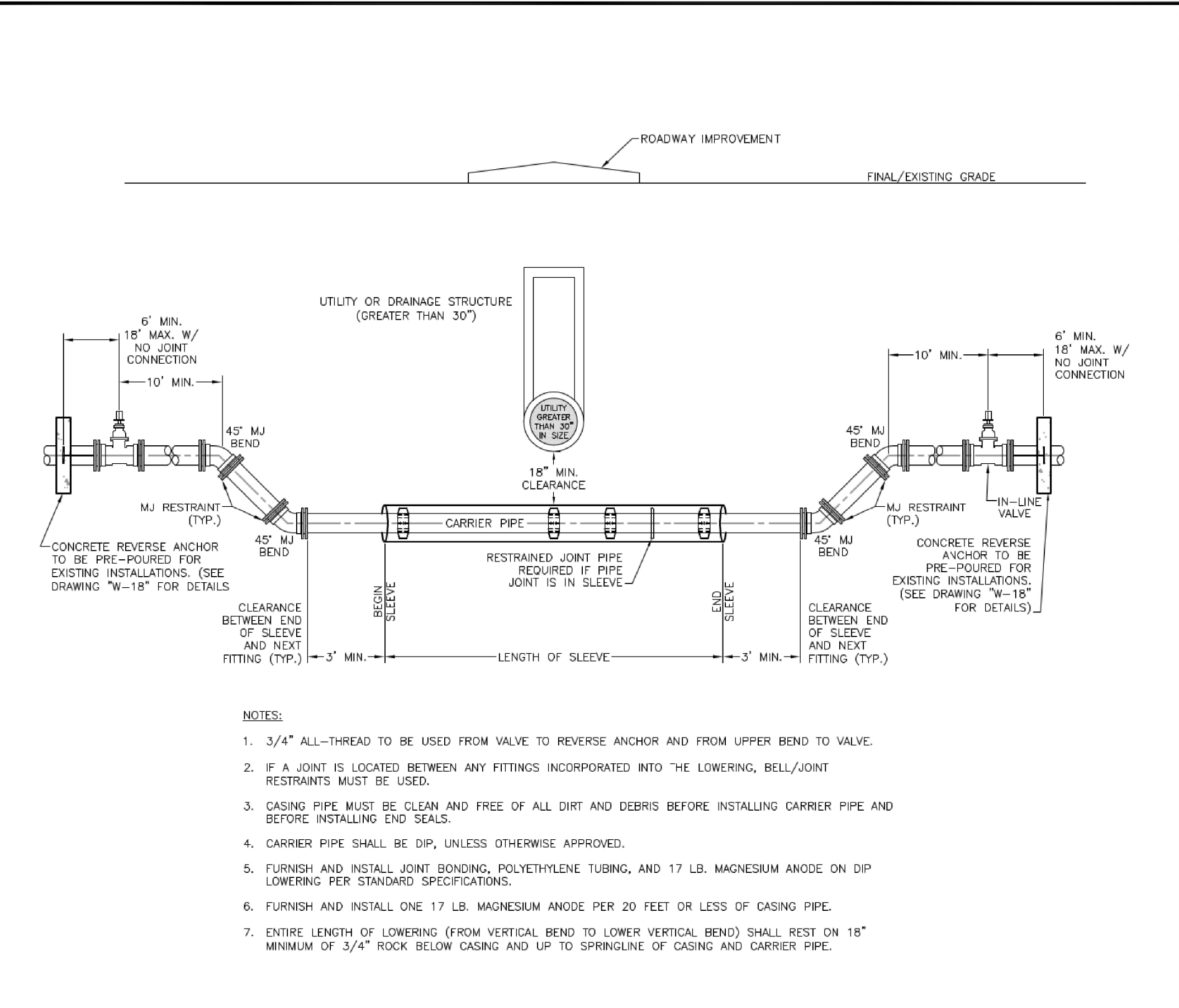
STATE OF COLORADO, MERIDIAN ROAD & OWL PLACE
 EL PASO COUNTY, FALCON, CO 80931

#	Date	Issue / Description	Init.

Project No: MRS01
 Drawn By: JDM
 Checked By: CMWJ
 Date: UTIL

WATER DETAILS

DATE: 03/01/2021
 DRAWN: JDM
 CHECKED: CMWJ
 PROJECT: W-20
 SHEET: W-20
WODMEN HILLS METROPOLITAN DISTRICT WATER & WASTEWATER SYSTEM STANDARD SPECIFICATIONS



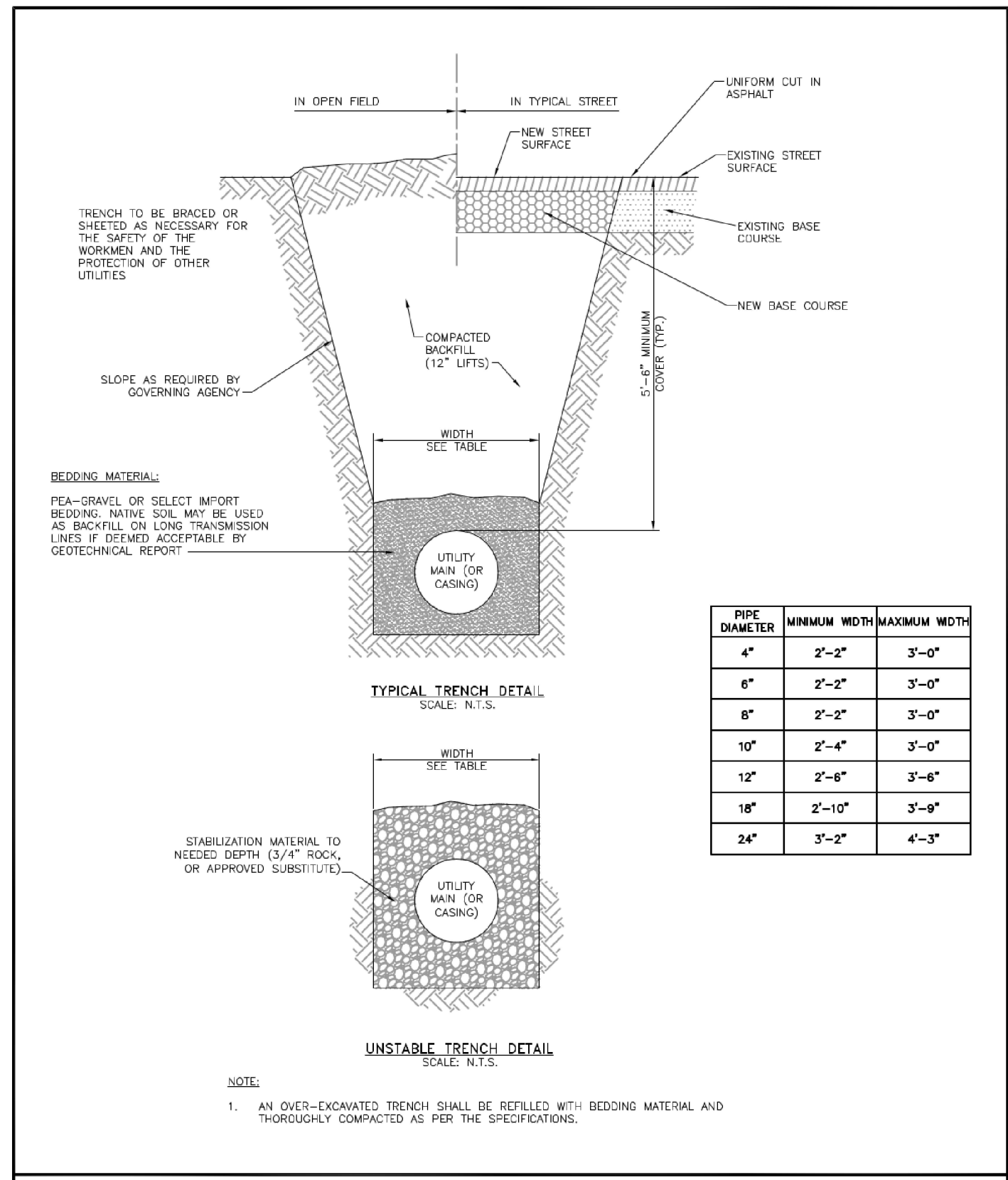
- NOTES:**
- 3/4" ALL-THREAD TO BE USED FROM VALVE TO REVERSE ANCHOR AND FROM UPPER BEND TO VALVE.
 - IF A JOINT IS LOCATED BETWEEN ANY FITTINGS INCORPORATED INTO THE LOWERING, BELL/JOINT RESTRAINTS MUST BE USED.
 - CASING PIPE MUST BE CLEAN AND FREE OF ALL DIRT AND DEBRIS BEFORE INSTALLING CARRIER PIPE AND BEFORE INSTALLING END SEALS.
 - CARRIER PIPE SHALL BE DIP, UNLESS OTHERWISE APPROVED.
 - FURNISH AND INSTALL JOINT BONDING, POLYETHYLENE TUBING, AND 17 LB. MAGNESIUM ANODE ON DIP LOWERING PER STANDARD SPECIFICATIONS.
 - FURNISH AND INSTALL ONE 17 LB. MAGNESIUM ANODE PER 20 FEET OR LESS OF CASING PIPE.
 - 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.



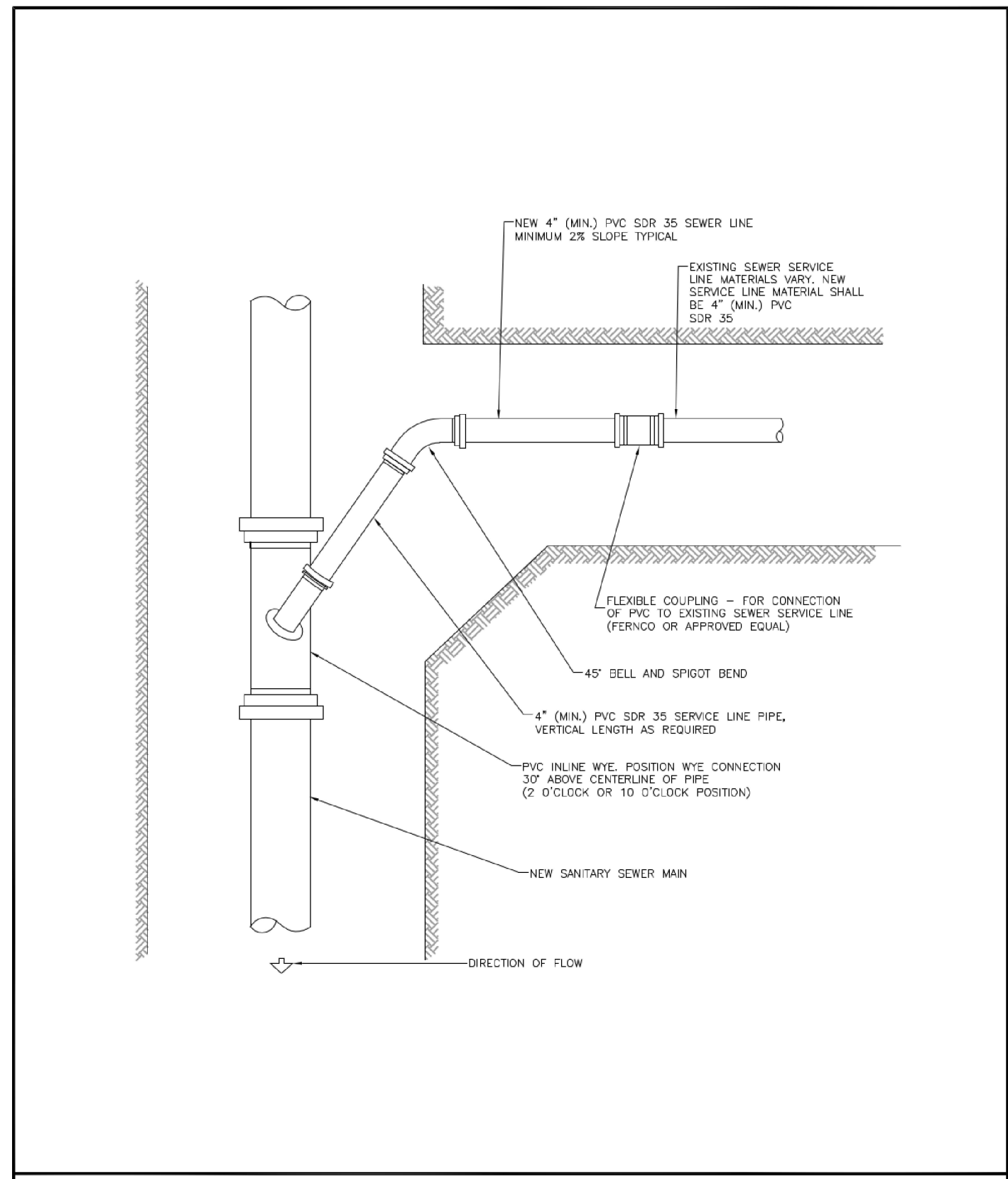
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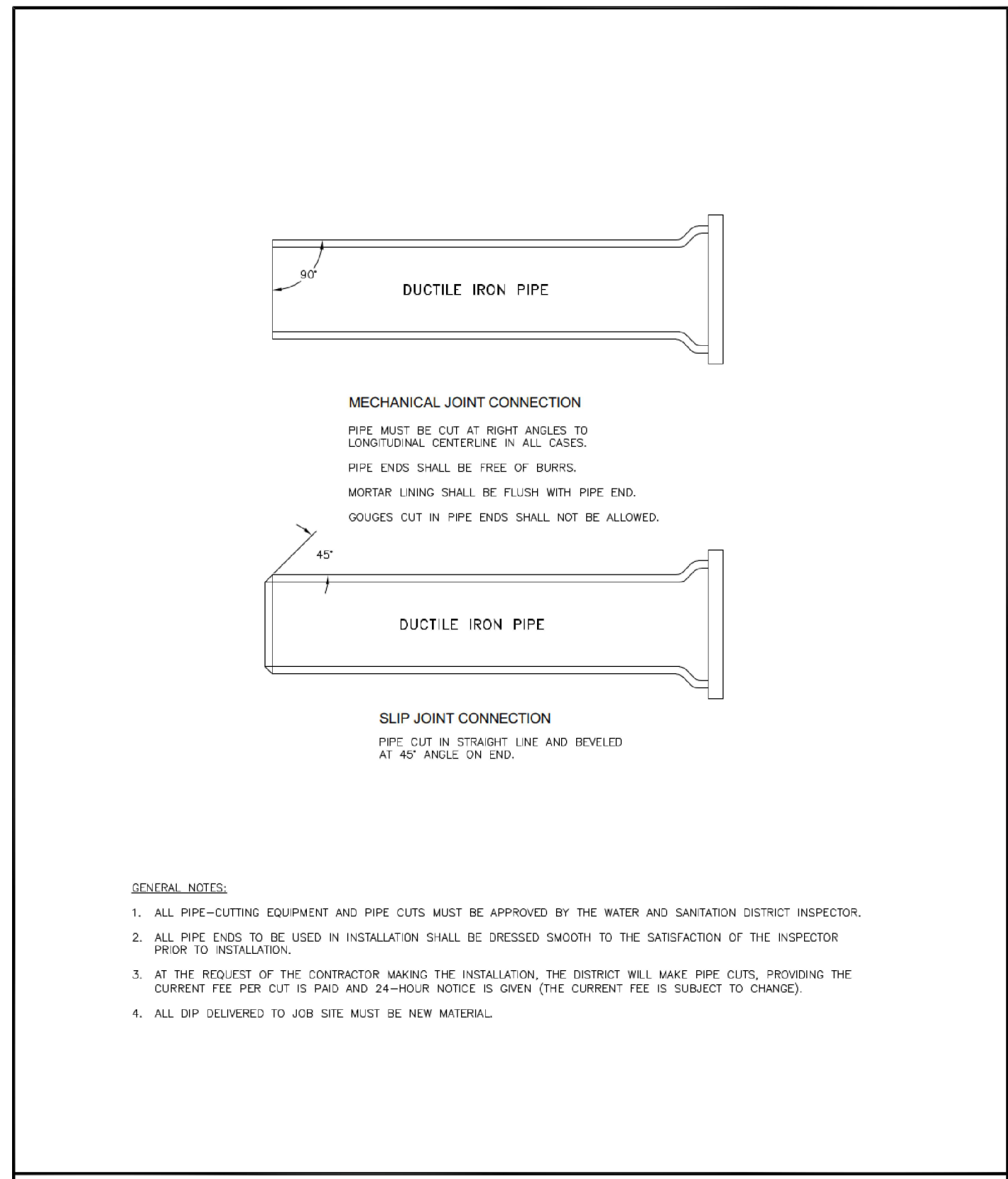
WASTEWATER DETAILS



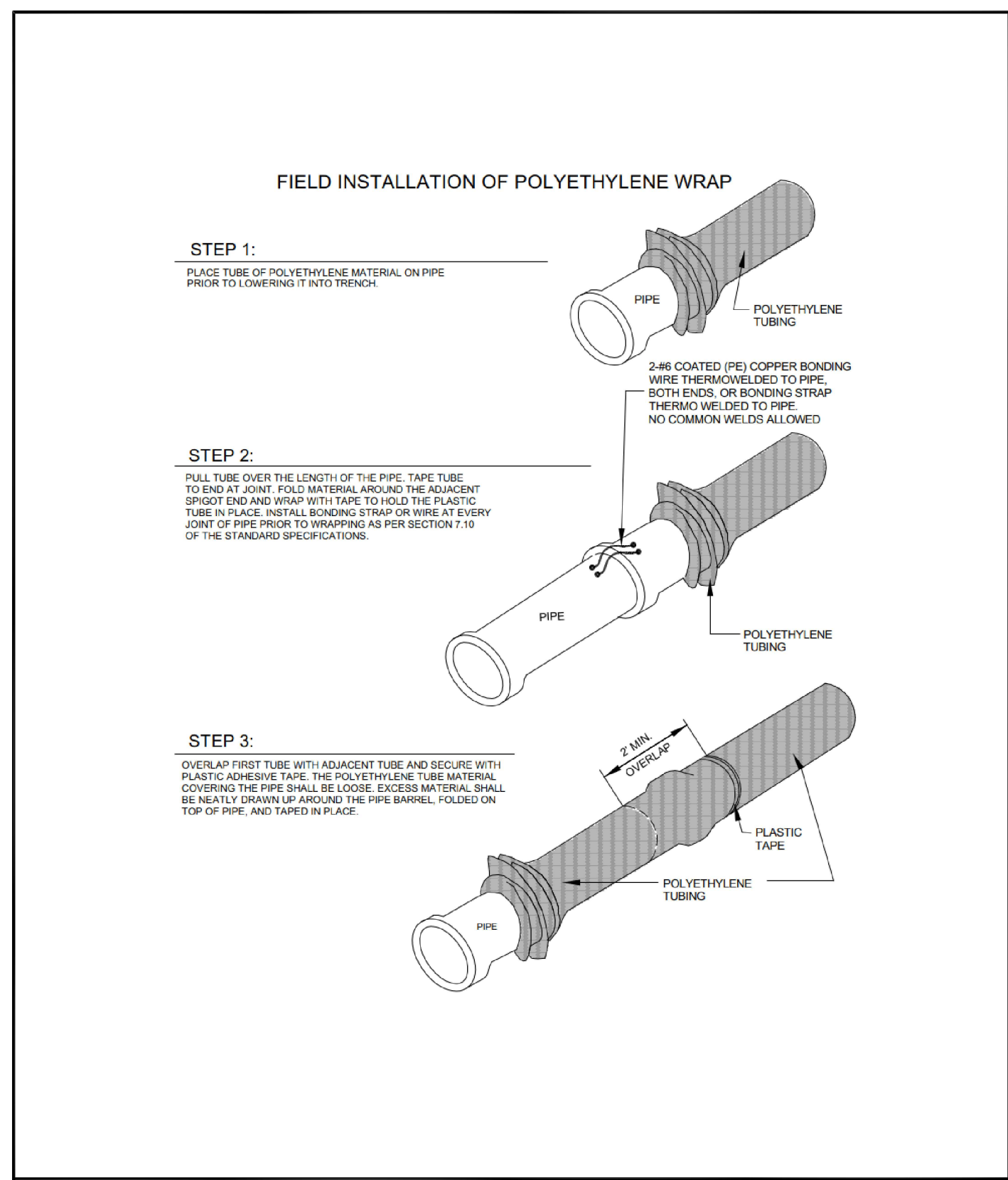
TYPICAL TRENCH CROSS SECTION
Drawn: CSM/CMW
Date: MARCH 2011
Scale: N.P.S.
Revised: DECEMBER 2021
WATER & WASTEWATER SYSTEM
STANDARD SPECIFICATIONS
WW-1



SANITARY SEWER SERVICE CONNECTION
Drawn: CSM
Date: MARCH 2011
Scale: N.P.S.
Revised: DECEMBER 2021
WATER & WASTEWATER SYSTEM
STANDARD SPECIFICATIONS
WW-4



PIPE CUTTING
Drawn: CSM
Date: MARCH 2011
Scale: N.P.S.
Revised: DECEMBER 2021
WATER & WASTEWATER SYSTEM
STANDARD SPECIFICATIONS
WW-8



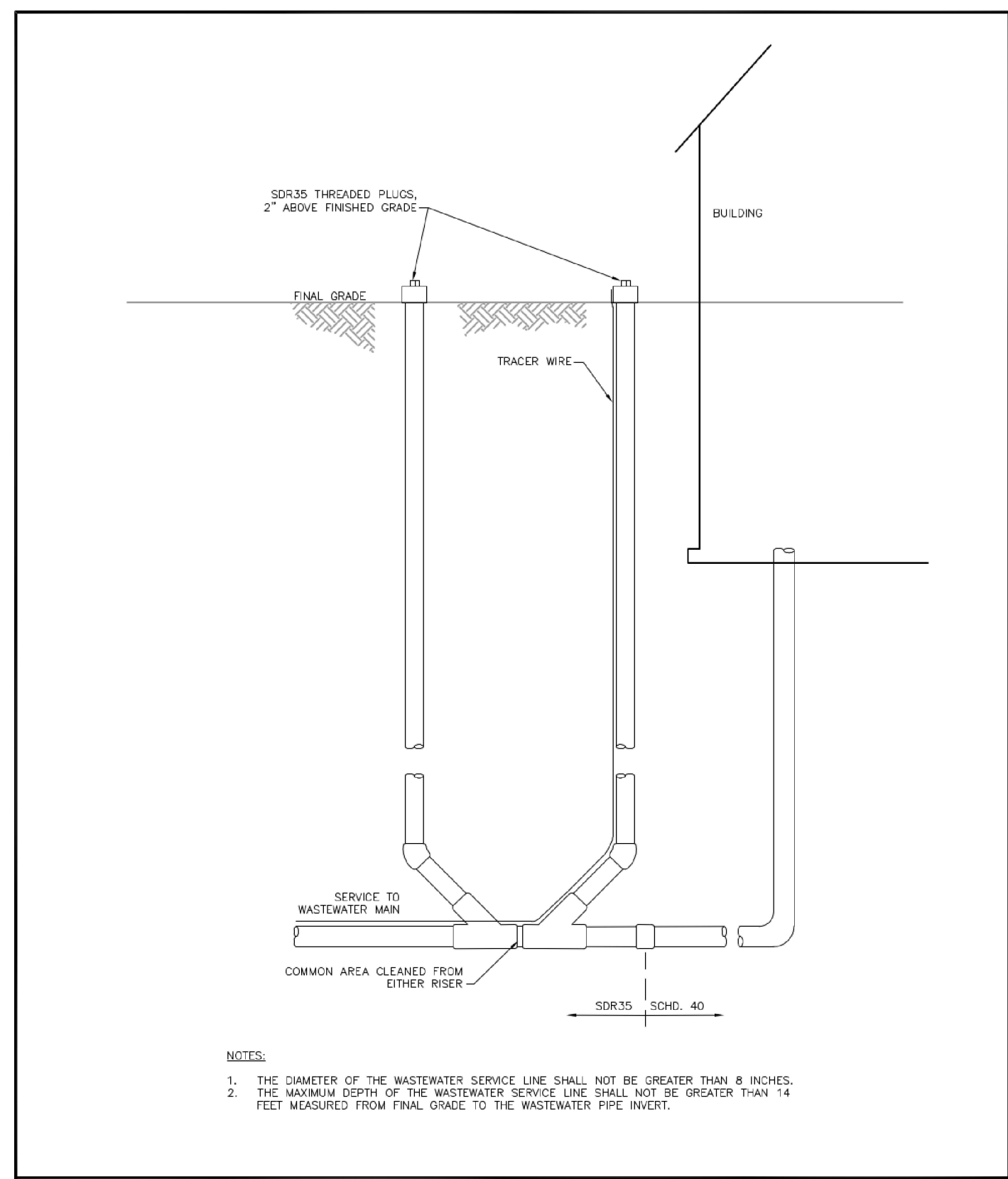
POLYETHYLENE PIPE WRAP
Drawn: CSM
Date: MARCH 2011
Scale: N.P.S.
Revised: DECEMBER 2021
WATER & WASTEWATER SYSTEM
STANDARD SPECIFICATIONS
WW-9

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

PIPE DIAMETER I.D. (IN)	O.D. (IN)	O.D. (FT)	MFRS. DEF'L.	DESIGN DEFLECTION (80% MAX.)		APPROX. RADIUS FOR DEFLECTING CURVES WITHOUT BENDS		
				MAX. DEF. DIST.		20'L	18'L	
				(1)	(2)			
6"	6.80"	.60'	5/9000"	4/9000"	18"	15"	286'	258'
8"	8.90"	.784'	5/9000"	4/9000"	18"	15"	286'	258'
10"	11.10"	.923'	5/9000"	4/9000"	18"	15"	286'	258'
12"	13.20"	1.100'	5/9000"	4/9000"	18"	15"	286'	258'
14"	15.30"	1.278'	3/9000"	2/9400"	10"	9"	477'	430'
16"	17.40"	1.450'	3/9000"	2/9400"	10"	9"	477'	430'
18"	19.50"	1.625'	3/9000"	2/9400"	10"	9"	477'	430'
20"	21.60"	1.800'	3/9000"	2/9400"	10"	9"	477'	430'
24"	28.80"	2.400'	3/9000"	2/9400"	10"	9"	477'	430'
30"	36.00"	3.000'	2/9000"	2/9000"	8"	7"	573'	516'
36"	43.20"	3.600'	2/9000"	1/8500"	6"	6"	716'	642'
42"	49.50"	4.125'	2/9000"	1/8500"	6"	6"	716'	642'

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

MAXIMUM PIPELINE DEFLECTION DATA
Drawn: CSM
Date: MARCH 2011
Scale: N.P.S.
Revised: DECEMBER 2021
WATER & WASTEWATER SYSTEM
STANDARD SPECIFICATIONS
WW-11



RESIDENTIAL SEWER TWO-WAY CLEANOUT
Drawn: CSM
Date: MARCH 2011
Scale: N.P.S.
Revised: DECEMBER 2021
WATER & WASTEWATER SYSTEM
STANDARD SPECIFICATIONS
WW-3