

2021-09-11 (4:30 PM) X:\20-224 Dawson\Civil\CAD\Plans\Sanitary Offsite\CDs COVER SHEET & NOTES.dwg

PUBLIC IMPROVEMENT CONSTRUCTION PLANS

DAWSON TRAILS BLVD OFFSITE SANITARY SEWER
LOCATED IN PORTIONS OF SECTIONS 10, 11, 15, 22, & 27, TOWNSHIP 8 SOUTH,
RANGE 66 WEST OF THE 6TH PRINCIPAL MERIDIAN, TOWN OF CASTLE ROCK, COUNTY OF DOUGLAS, STATE OF COLORADO.
TOWN OF CASTLE ROCK PROJECT NO. CD23-0002

CONTACTS

OWNER

ACM DAWSON TRAILS VII JV LLC
4100 E. MISSISSIPPI AVE, STE. 500
GLENDALE, CO 80246
CONTACT: LAWRENCE JACOBSON
PHONE: (303) 984-9800

TOWN OF CASTLE ROCK DEVELOPMENT SERVICES

TOWN OF CASTLE ROCK
DEVELOPMENT SERVICES DEPARTMENT
100 NORTH WILCOX STREET
CASTLE ROCK, CO 80104
CONTACT: SANDY VOSSLER
PHONE: (303) 472-0826

ENGINEER

CORE CONSULTANTS, INC.
3473 S. BROADWAY
ENGLEWOOD, CO 80113
CONTACT: KEVIN ROHBROUGH
PHONE: (303) 703-4444

TOWN OF CASTLE ROCK PUBLIC WORKS

TOWN OF CASTLE ROCK
PUBLIC WORK DEPARTMENT
4175 NORTH CASTLETON COURT
CASTLE ROCK, CO 80109
PHONE: (720) 733-2462

SURVEYOR

CORE CONSULTANTS, INC.
3473 S. BROADWAY
ENGLEWOOD, CO 80113
CONTACT: MILES SMALL
PHONE: (303) 703-4444

UTILITY SERVICE PROVIDERS

WATER & SEWER

CASTLE ROCK WATER
175 KELLOGG COURT
CASTLE ROCK, CO 80104
PHONE: (720) 733-6000

ELECTRIC

CORE ELECTRIC
5496 N. U.S. HWY 85
P.O. DRAWER A
SEDALIA, CO 80135
PHONE: (303) 688-3100

GAS

BLACK HILLS ENERGY
1515 WYNKOOP ST., 5TH FLOOR
DENVER, CO 80202
PHONE: (888) 890-5554

CABLE

COMCAST
118 WILCOX ST., UNIT B
CASTLE ROCK, CO 80104
PHONE: (303) 930-2000

PHONE

LUMEN TECHNOLOGIES
931 14TH STREET
DENVER, CO 80202
PHONE: (800) 244-1111

NOTES

- CONTRACTOR TO VERIFY LOCATION OF EXISTING UTILITIES PRIOR TO CONSTRUCTION.
- CONTRACTOR SHALL FIELD VERIFY THE LOCATION AND DEPTH OF ALL UTILITY CROSSINGS PRIOR TO CONSTRUCTION. CONTRACTOR SHALL NOTIFY THE DESIGN ENGINEER OF ANY CONFLICTS OR DISCREPANCIES WHICH WOULD IMPACT THE CONSTRUCTION OF THE PROPOSED UTILITIES PRIOR TO THE START OF CONSTRUCTION.
- CONTRACTOR TO VERIFY THE LOCATION OF ALL ADJACENT PROPERTY BOUNDARIES PRIOR TO CONSTRUCTION. NO IMPROVEMENTS SHALL BE PERMITTED ON ADJACENT PROPERTIES UNLESS SPECIFICALLY NOTED IN THESE PLANS WITH PROPER ENCROACHMENT DOCUMENTATION IN PLACE.

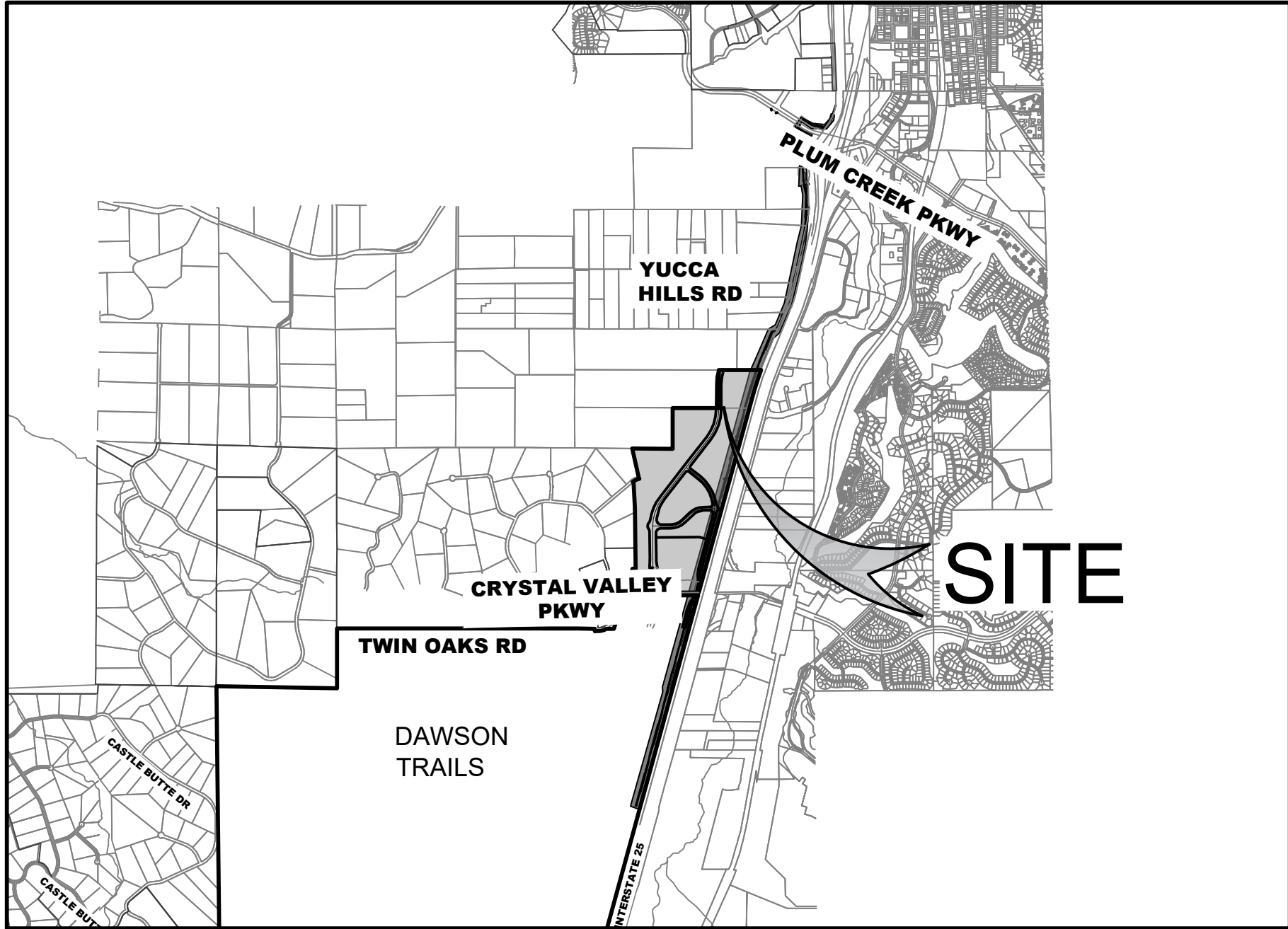
TECHNICAL CODE VARIANCES

TOCR VARIANCE #TCV23-0021
TOCR WW CRITERIA MANUAL
• SECTION 4.4.8 SANITARY SEWERS AND MANHOLES
GREATER THAN TWENTY FEET SECTION

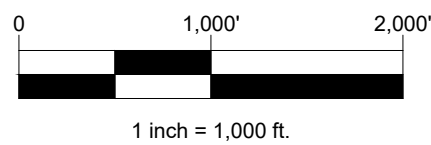
DESCRIPTION:

MANHOLE DEPTH TO BE ALLOWED GREATER THAN TWENTY FEET THROUGHOUT MULTIPLE SECTIONS OF SANITARY SEWER INTERCEPTOR.

CONDITIONS OF APPROVAL: XXXX
APPROVAL DATE: XXXX



VICINITY MAP



INDEMNIFICATION AND ADHERENCE TO STANDARDS STATEMENT

THESE PLANS HAVE BEEN REVIEWED BY THE TOWN OF CASTLE ROCK FOR CONCEPT ONLY. THE REVIEW DOES NOT IMPLY RESPONSIBILITY BY THE REVIEWING DEPARTMENT. THE TOWN ENGINEER, OR THE TOWN OF CASTLE ROCK FOR ACCURACY AND CORRECTNESS OF THE CALCULATIONS. FURTHERMORE, THE REVIEW DOES NOT IMPLY THAT QUANTITIES OF ITEMS ON THE PLANS ARE THE FINAL QUANTITIES REQUIRED. THE REVIEW SHALL NOT BE CONSTRUED FOR ANY REASON AS ACCEPTANCE OF FINANCIAL RESPONSIBILITY BY THE TOWN FOR ADDITIONAL QUANTITIES OF ITEMS SHOWN THAT MAY BE REQUIRED DURING THE CONSTRUCTION PHASE.

ALL WORK SHALL BE CONSTRUCTED IN ACCORDANCE WITH THE TOWN OF CASTLE ROCK MUNICIPAL CODE, TECHNICAL MANUALS, AND/OR OTHER TOWN-APPROVED APPLICABLE STANDARDS.

JOSEPH F. FERRIS, PE #55846
CORE CONSULTANTS, INC.
3475 S. BROADWAY
ENGLEWOOD, CO 80113
PHONE (303) 730-5975

SHEET LIST TABLE

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6	DEMO PLAN (3 OF 5)
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8	DEMO PLAN (5 OF 5)
9	OVERALL SANITARY PLAN
10	SANITARY P&P (1 OF 15)
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26	DETAILS (2 OF 2)

BASIS OF BEARING

BEARINGS SHOWN HEREON ARE BASED UPON THE NORTH LINE OF THE NORTHEAST QUARTER OF THE NORTHWEST QUARTER OF SECTION 22, TOWNSHIP 8 SOUTH, RANGE 67 WEST, BEARING S 89°31'22" E, FROM THE WEST SIXTEENTH CORNER OF SECTIONS 22/15, BEING MONUMENTED BY A #6 REBAR WITH A 2-1/2 INCH ALUMINUM CAP STAMPED "LS 5112 - 1994". TO THE NORTH QUARTER CORNER OF SAID SECTION 22 BEING MONUMENTED BY A #6 REBAR WITH A 2-1/2 INCH ALUMINUM CAP STAMPED "LS 38002 - 2020", WITH ALL BEARINGS CONTAINED HEREIN RELATIVE THERETO.

BENCHMARK

THE ELEVATION AND CONTOURS SHOWN HEREON ARE BASED UPON NGS STATION X 396 (PID KK1331), BEING A STANDARD NGS STEEL DEEPROD, WITH A PUNCHMARK, IN A STANDARD NGS LOGO CAP SET IN A CONCRETE SLEEVE, FLUSH TO THE GROUND. MONUMENT LIES 0.25 MI SOUTH OF THE INTERSECTION OF DOUGLAS LANE LEADING EAST, 121.1 FT EAST OF THE CENTERLINE OF THE NORTHBOWN LANES OF INTERSTATE 25, 86.6 FT SOUTH OF THE CENTER OF A PRIVATE DRIVE LEADING EAST TO A FRAME HOUSE, 38.1 FT EAST OF THE CENTERLINE OF THE EAST FRONTAGE ROAD OF INTERSTATE 25, 5.6 FT NORTH OF A UTILITY POLE, ABOUT LEVEL WITH THE HIGHWAY, AND 1 FT WEST OF A FIBERGLASS WITNESS POST AND SHEEP FENCE. PUBLISHED ELEVATION = 6355.09' NAVD83

PROFESSIONAL ENGINEER CERTIFICATION

I HEREBY AFFIRM THAT THESE FINAL CONSTRUCTION PLANS WERE PREPARED UNDER MY DIRECT SUPERVISION, IN ACCORDANCE WITH ALL APPLICABLE TOWN OF CASTLE ROCK AND STATE OF COLORADO STANDARDS AND STATUTES, RESPECTIVELY; AND THAT I AM FULLY RESPONSIBLE FOR ALL DESIGN AND REVISIONS RELATIVE TO SAID PLANS.

JOSEPH F. FERRIS
STATE OF COLORADO # 55846

TOWN APPROVAL BLOCK

TOWN OF CASTLE ROCK APPROVAL
PLANS ARE HEREBY APPROVED FOR ONE YEAR FROM
DATE OF DEVELOPMENT SERVICES APPROVAL.

APPROVED BY:

DESIGNED BY: JB
DRAWN BY: MB
CHECKED BY: JF

DAWSON TRAILS BLVD OFFSITE SANITARY SEWER
CONSTRUCTION DOCUMENTS
PROJECT NO. CD23-0002

DEVELOPMENT SERVICES DATE

DAWSON TRAILS OFFSITE SANITARY SEWER

CASTLE ROCK, COLORADO

CONSTRUCTION DOCUMENTS

COVER



DESIGNED BY: JB
DRAWN BY: MB
CHECKED BY: JF

JOB NO.
20-224
SHEET
1 OF 26

Know what's below.
Call before you dig.



#	REVISION DESCRIPTION	DATE	BY
1	1ST SUBMITTAL	12/22/22	KR
2	2ND SUBMITTAL	04/26/23	JF

CORE CONSULTANTS, INC.
3473 S. BROADWAY
ENGLEWOOD, CO 80113
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LIVEYOURCORE.COM

LAND DEVELOPMENT
ENERGY
PUBLIC INFRASTRUCTURE

CORE

GENERAL NOTES

- ALL MATERIALS, WORKMANSHIP, AND CONSTRUCTION OF PUBLIC IMPROVEMENTS SHALL MEET OR EXCEED THE STANDARDS AND SPECIFICATIONS SET FORTH IN THE TOWN OF CASTLE ROCK (TCR) MUNICIPAL CODE, TCR TECHNICAL MANUALS, AND APPLICABLE STATE AND FEDERAL REGULATIONS. WHERE THERE IS CONFLICT BETWEEN THESE PLANS AND THE TECHNICAL MANUAL OR ANY APPLICABLE STANDARDS, THE MORE STRINGENT STANDARD SHALL APPLY. ALL WORK SHALL BE INSPECTED AND APPROVED BY THE TCR CONSTRUCTION INSPECTOR.
- THE CONTRACTOR IS SPECIFICALLY CAUTIONED THAT THE LOCATION AND/OR ELEVATION OF EXISTING UTILITIES AS SHOWN ON THESE PLANS IS BASED ON RECORDS OF THE VARIOUS UTILITY COMPANIES AND, WHERE POSSIBLE, MEASUREMENTS TAKEN IN THE FIELD. THE INFORMATION IS NOT TO BE RELIED UPON AS BEING EXACT OR COMPLETE.
- THE CONTRACTOR MUST CALL THE LOCAL UTILITY LOCATION CENTER AT LEAST 72 HOURS BEFORE ANY EXCAVATION TO REQUEST EXACT FIELD LOCATIONS OF THE UTILITIES. PRIOR TO CONSTRUCTION, THE CONTRACTOR SHALL VERIFY PERTINENT LOCATIONS AND ELEVATIONS, ESPECIALLY AT CONNECTION POINTS AND AT POTENTIAL UTILITY CONFLICTS. IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO RELOCATE ALL EXISTING UTILITIES THAT CONFLICT WITH THE PROPOSED IMPROVEMENTS SHOWN ON THESE PLANS.
- THE CONTRACTOR SHALL COORDINATE AND COOPERATE WITH THE TOWN AND ALL UTILITY COMPANIES INVOLVED WITH REGARD TO RELOCATIONS OR ADJUSTMENTS OF EXISTING UTILITIES DURING CONSTRUCTION AND TO ASSURE THAT THE WORK IS ACCOMPLISHED IN A TIMELY FASHION AND WITH A MINIMUM DISRUPTION OF SERVICE. THE CONTRACTOR SHALL BE RESPONSIBLE FOR CONTACTING ALL PARTIES AFFECTED BY ANY DISRUPTION OF ANY UTILITY SERVICE.
- CONTRACTOR SHALL PROVIDE A MINIMUM SEVENTY-TWO (72) HOURS NOTICE TO THE ON-SITE TCR CONSTRUCTION INSPECTOR, (720) 733-2200, PRIOR TO MAKING ANY CONNECTIONS/TIE-INS TO EXISTING WATER, SANITARY SEWER, AND/OR STORM SEWER SYSTEMS PROVIDED THAT THE UTILITY TIE-IN DOES NOT DISRUPT SERVICE TO EXISTING CR WATER CUSTOMERS. IF THE TIE-IN WILL DISRUPT UTILITY SERVICE, THEN CONTRACTOR SHALL PROVIDE A MINIMUM OF THREE (3) WEEKS NOTICE TO THE TCR CONSTRUCTION INSPECTOR TO ALLOW TIME FOR CR WATER TO PROVIDE WRITTEN NOTIFICATION TO EXISTING CUSTOMERS AFFECTED BY THE TIE-IN. ALL TOWN UTILITY TIE-INS MUST BE APPROVED BY CR WATER PRIOR TO COMMENCING WORK.
- THE CONTRACTOR SHALL HAVE ONE (1) SIGNED COPY OF THE APPROVED PLANS, ONE (1) COPY OF THE APPROPRIATE CRITERIA AND SPECIFICATIONS, AND A COPY OF ANY PERMITS AND EXTENSION AGREEMENTS NEEDED FOR THE JOB ONSITE AT ALL TIMES.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR ALL ASPECTS OF SAFETY INCLUDING, BUT NOT LIMITED TO, EXCAVATION, TRENCHING, SHORING, TRAFFIC CONTROL, AND SECURITY.
- IF DURING THE CONSTRUCTION PROCESS CONDITIONS ARE ENCOUNTERED WHICH COULD INDICATE A SITUATION THAT IS NOT IDENTIFIED IN THE PLANS OR SPECIFICATIONS, THE CONTRACTOR SHALL CONTACT THE TCR CONSTRUCTION INSPECTOR IMMEDIATELY.
- ALL REFERENCES TO ANY PUBLISHED STANDARDS SHALL REFER TO THE LATEST REVISION OF SAID STANDARD UNLESS SPECIFICALLY STATED OTHERWISE.
- THE CONTRACTOR SHALL SUBMIT A TRAFFIC CONTROL PLAN IN ACCORDANCE WITH MUTCD TO THE APPROPRIATE RIGHT-OF-WAY AUTHORITY (TOWN, COUNTY OR STATE) FOR APPROVAL PRIOR TO ANY CONSTRUCTION ACTIVITIES WITHIN OR AFFECTING THE RIGHT-OF-WAY. THE CONTRACTOR SHALL BE RESPONSIBLE FOR PROVIDING ANY AND ALL TRAFFIC CONTROL DEVICES AS MAY BE REQUIRED BY THE CONSTRUCTION ACTIVITIES.
- THE CONTRACTOR IS RESPONSIBLE FOR PROVIDING ALL LABOR AND MATERIALS NECESSARY FOR THE COMPLETION OF THE INTENDED IMPROVEMENTS SHOWN ON THESE DRAWINGS OR AS DESIGNATED TO BE PROVIDED, INSTALLED, OR CONSTRUCTED UNLESS SPECIFICALLY NOTED OTHERWISE.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR RECORDING AS-BUILT INFORMATION ON A SET OF RECORD DRAWINGS KEPT ON THE CONSTRUCTION SITE AND AVAILABLE TO THE TCR CONSTRUCTION INSPECTOR AT ALL TIMES.
- DIMENSIONS FOR LAYOUT AND CONSTRUCTION ARE NOT TO BE SCALED FROM ANY DRAWING. IF PERTINENT DIMENSIONS ARE NOT SHOWN, CONTACT THE CONSULTANT ENGINEER FOR CLARIFICATION AND ANNOTATE THE DIMENSION ON THE AS-BUILT RECORD DRAWINGS.
- ALL INITIAL SEDIMENT CONTROL MEASURES SHALL BE INSTALLED PER THE TEMPORARY EROSION & SEDIMENT CONTROL (TESC) PLAN PRIOR TO ANY EARTH-DISTURBING ACTIVITY. ALL EROSION AND SEDIMENT CONTROL PRACTICES MUST BE MAINTAINED IN EFFECTIVE OPERATING CONDITION AT ALL TIMES. REMOVAL OF CONTROL MEASURES SHALL NOT OCCUR WITHOUT THE APPROVAL OF THE STORMWATER INSPECTOR. THE CONTRACTOR SHALL BE RESPONSIBLE FOR KEEPING ROADWAYS FREE AND CLEAR OF ALL CONSTRUCTION DEBRIS AND DIRT TRACKED FROM THE SITE. THE CONTRACTOR SHALL ALSO COMPLY WITH ALL TERMS AND CONDITIONS OF THE COLORADO CONSTRUCTION GENERAL PERMIT FOR STORMWATER DISCHARGES.
- THE CONTRACTOR SHALL PROVIDE AN ACTION PLAN IMMEDIATELY FOLLOWING THE PRE-CONSTRUCTION MEETING DETAILING SUFFICIENT MEANS TO MITIGATE DUST ON SITE DURING OVERLOT GRADING, ROCK CRUSHING OR OTHER EARTHWORK ACTIVITIES. IF THE CONTRACTOR FAILS TO CONTROL DUST, ALL EARTH DISTURBING ACTIVITIES SHALL BE STOPPED UNTIL SUFFICIENT MEASURES ARE TAKEN TO THE TOWNS SATISFACTION. THE CONTRACTOR SHALL ALSO COMPLY WITH ALL TERMS AND CONDITIONS OF THE COLORADO AIR QUALITY REGULATIONS FOR LAND DEVELOPMENT, AS REQUIRED.
- THE CONTRACTOR SHALL SEQUENCE INSTALLATION OF UTILITIES IN SUCH A MANNER AS TO MINIMIZE POTENTIAL UTILITY CONFLICTS. IN GENERAL, STORM SEWER AND SANITARY SEWER SHOULD BE CONSTRUCTED PRIOR TO INSTALLATION OF THE WATER LINES AND DRY UTILITIES.
- THERE SHALL BE NO SITE CONSTRUCTION ACTIVITIES ON SATURDAYS UNLESS SPECIFICALLY APPROVED BY THE TCR CONSTRUCTION INSPECTOR AND NO SITE CONSTRUCTION ACTIVITIES ON SUNDAYS OR HOLIDAYS UNLESS THERE IS PRIOR WRITTEN APPROVAL BY THE PUBLIC WORKS DIRECTOR.
- NO SOLID OBJECT (EXCLUDING FIRE HYDRANTS AND TRAFFIC CONTROL DEVICES AND TRAFFIC SIGNS) EXCEEDING THIRTY(30) INCHES IN HEIGHT ABOVE THE FLOWLINE ELEVATION OF THE ADJACENT STREET, INCLUDING BUT NOT LIMITED TO BUILDINGS, UTILITY CABINETS, WALLS, FENCES, LANDSCAPE PLANTINGS, CROPS, CUT SLOES, AND BERMS SHALL BE PLACED WITHIN SIGHT DISTANCE LINES AND SIGHT DISTANCE EASEMENTS.

08035C0282G, 08035C0301G, 08035C0283F, 08035C0284G, AND 08035C0292F DATED MARCH 16, 2016. PORTIONS OF THE PROPERTY ARE LOCATED WITHIN A DESIGNATED 100-YEAR FLOODPLAIN ZONE A/AE.

20. BENCHMARK PROVIDED ON COVER SHEET.

21. BASIS OF BEARING PROVIDED ON COVER SHEET.

SANITARY SEWER CONSTRUCTION NOTES

- ALL SANITARY SEWER CONSTRUCTION IS SUBJECT TO THE GENERAL NOTES ON THE COVER SHEET OF THESE PLANS AS WELL AS THE SANITARY SEWER CONSTRUCTION NOTES LISTED HEREIN.
- ALL SANITARY SEWER PIPELINES SHALL BE PVC, SDR-35, IN ACCORDANCE WITH ASTM D-3034, BELL AND SPIGOT WITH ELASTOMERIC SEAL.
- ALL SANITARY SEWER PIPELINES SHALL HAVE A MINIMUM COVER OF 5 FEET AND MAXIMUM COVER OF 20 FEET.
- ALL SANITARY SEWER PIPELINES SHALL BE BEDDED IN ACCORDANCE WITH TCR STANDARD DETAIL SS-8.
- ALL MANHOLE RIM ELEVATIONS GIVEN ON THESE PLANS ARE CONSIDERED APPROXIMATE. THE CONTRACTOR SHALL SET THE FINAL RIM ELEVATION BASED ON THE COMPLETE FINISH SURFACE AND PER TCR STANDARD DETAIL SS-3.
- SANITARY SEWER PIPELINE SHALL BE ALIGNED 6 FEET OFF THE SOUTH AND WEST GUTTER FLOW LINES OF PUBLIC STREETS WHEREVER POSSIBLE.
- ALL SEWER LINES SHALL HAVE A MINIMUM HORIZONTAL SEPARATION OF 10 FEET EDGE-TO-EDGE FROM ALL WATER LINES. WHERE LINES CROSS, THERE SHALL BE A MINIMUM OF 18" CLEAR VERTICAL SEPARATION.
- ALL SANITARY SEWER LINES MUST BE TESTED IN ACCORDANCE WITH SECTION 450.6 OF THE TOWN OF CASTLE ROCK CONSTRUCTION METHODOLOGY AND MATERIALS MANUAL IN THE PRESENCE OF A TCR CONSTRUCTION INSPECTOR.
- ALL SANITARY SEWER LINE TRENCHES SHALL BE SLOPED OR BRACED AND SHEETED AS NECESSARY FOR THE SAFETY OF THE WORKERS AND THE PROTECTION OF OTHER UTILITIES, IN COMPLIANCE WITH ALL APPLICABLE STATE AND FEDERAL REQUIREMENTS. ALL EXCAVATION OPERATION SAFETY IS THE RESPONSIBILITY OF THE CONTRACTOR.
- SANITARY SEWER SERVICES SHALL BE CONNECTED A MINIMUM OF 5 FEET OUTSIDE OF MANHOLES WITH A WYE CONNECTION IN ACCORDANCE WITH TCR STANDARD DETAIL SS-2.
- MINIMUM COVER FOR SANITARY SEWER SERVICE LINES SHALL BE 5 FEET AND THE MINIMUM SLOPE SHALL BE 2.0%.
- ALL SANITARY SEWER SERVICE LINES SHALL BE CONSTRUCTED ALONG THE SHORTEST AND STRAIGHTEST ROUTE POSSIBLE IN CONFORMANCE WITH THE TOWN OF CASTLE ROCK WASTEWATER SYSTEM DESIGN CRITERIA MANUAL.
- THE MINIMUM HORIZONTAL SEPARATION BETWEEN UTILITY LINES CARRYING THE SAME MATERIAL (E.G., WASTEWATER AND WASTEWATER) SHALL BE 5 FEET.
- THE PLUM CREEK WASTEWATER AUTHORITY MUST APPROVE OIL AND GREASE INTERCEPTORS FOR COMMERCIAL INSTALLATIONS.
- ALL MANHOLES SHALL BE PLACED ON A MINIMUM OF 1' OF ¾" WASH ROCK. IF ADDITIONAL SUBGRADE IS DISTURBED, EXCAVATION SHALL BE BACKFILLED WITH ¾" WASH ROCK OR OTHER APPROVED STRUCTURAL SOIL COMPACTED TO 95% OF ASTM D698 UNLESS OTHERWISE INSTRUCTED BY THE INSPECTOR.

TRACER WIRE INSTALLATION NOTES

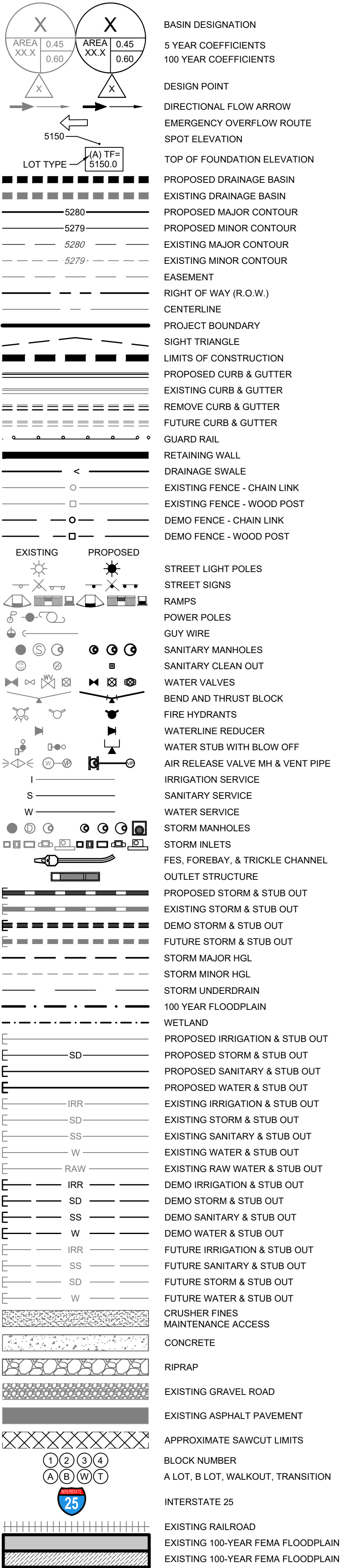
- ALL WORK SHALL BE DONE IN ACCORDANCE WITH CURRENT TOWN OF CASTLE ROCK STANDARD NOTES, DETAILS AND SPECIFICATIONS.
- TRACER WIRE IS REQUIRED ON ALL UNDERGROUND PIPE. A MAINLINE TRACER WIRE MUST BE INSTALLED WITH ALL SERVICE LATERAL TRACER WIRES PROPERLY CONNECTED TO ENSURE FULL LOCATING CAPABILITIES FROM A SINGLE CONNECTION POINT.
- TRACER WIRE COLORS FOR STORM SEWER, DRAIN LINES, SANITARY SEWER, AND WATER MAINS SHALL BE IN ACCORDANCE WITH AMERICAN PUBLIC WORKS ASSOCIATION (APWA) UNIFORM COLOR CODE. ALL GROUNDING WIRE SHALL BE RED OR BLACK.
- "OPEN TRENCH" TRACER WIRE SHALL BE #8 OR #10 AWG COPPER SOLID OR #12 AWG COPPER CLAD HIGH STRENGTH WITH MINIMUM 30-MIL HDPE INSULATION THICKNESS COMPLYING WITH ASTM D-1248, AND A MINIMUM AVERAGE TENSILE BREAK LOAD OF 450 LBS.
- TRACER WIRE SHALL BE SECURED EVERY 5 FEET TO THE TOP OF THE PIPE AND TO THE SIDES OF MANHOLES AND INLETS USING TAPE, PLASTIC TIES, OR APPROVED ADHESIVE AT 5-FOOT INTERVALS.
- TRACER WIRE SHALL BE SECURELY BONDED TOGETHER AT ALL WIRE JOINTS WITH LOCKABLE, CORROSION PROOF, WATERTIGHT CONNECTORS SPECIFICALLY DESIGNED FOR DIRECT BURIAL, AND FILLED WITH NON-HARDENING DIELECTRIC SILICONE SEALANT.
- ANY DAMAGE OCCURRING DURING INSTALLATION OF THE TRACER WIRE MUST BE IMMEDIATELY REPAIRED BY REMOVING THE DAMAGED WIRE AND INSTALLING A NEW SECTION OF WIRE WITH APPROVED CONNECTORS. TAPING AND/OR SPRAY COATING IS NOT ALLOWED.
- A MINIMUM OF 2 FEET OF EXCESS/SLACK WIRE IS REQUIRED IN ALL TRACER WIRE TEST STATIONS, MANHOLES, AND INLETS AFTER MEETING FINAL ELEVATION.
- TRACER WIRE MUST BE PROPERLY GROUNDDED AT ALL DEAD ENDS (MANHOLES, INLETS, OUTFALLS, FUTURE CONNECTIONS, ETC.) USING A MAGNESIUM GROUND ROD. THE GROUND ROD WILL BE CONNECTED TO 12- OR 14-AWG COPPER CLAD STEEL WIRE WITH 30 MIL HDPE INSULATION AND RATED FOR DIRECT BURY USE AT 30 VOLTS WITH 21% CONDUCTIVITY.
- TEST STATIONS SHALL PROVIDE PROTECTED ACCESS FOR A DIRECT CONNECTION TO THE TRACER WIRE SYSTEM AT GROUND SURFACE.
- TRUNK LINE TRACER WIRE SHALL BE CONTINUOUS, AND PASS AROUND THE OUTSIDE OF VALVES AND OTHER STRUCTURES ON THE NORTH OR EAST SIDE.
- THE CONTRACTOR SHALL OBTAIN ALL REQUIRED PERMITS (EXCAVATION, CONCRETE, TRAFFIC CONTROL, ETC.) AND PROVIDE A MINIMUM TWENTY-FOUR (24) HOURS' NOTICE TO THE ON-SITE TCR CONSTRUCTION INSPECTOR, (720) 733-2200, TO REQUEST A TRACER WIRE INSPECTION.
- ALL NEW TRACER WIRE INSTALLATIONS SHALL BE TESTED AND LOCATED PRIOR TO ACCEPTANCE. TESTING AND LOCATING SHALL BE PERFORMED BY THE TCR CONSTRUCTION INSPECTOR AT THE COMPLETION OF ROUGH GRADING AND PRIOR TO FINAL ACCEPTANCE OF THE PROJECT. ANY DEFICIENCIES SHALL BE CORRECTED PRIOR TO FINAL ACCEPTANCE.

CORE ENGINEERING NOTES

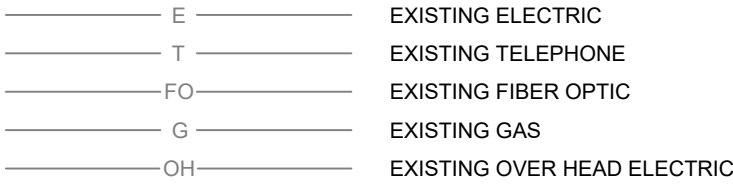
IN ADDITION TO CITY STANDARD NOTES, THE FOLLOWING SHALL APPLY:

- CONTRACTOR SHALL OBTAIN ALL THE MOST RECENT APPLICABLE CODES, LICENSES, STANDARDS, SPECIFICATIONS, PERMITS, BONDS WHICH ARE NECESSARY TO PERFORM THE PROPOSED WORK.
- ALL REFERENCES TO ANY PUBLISHED STANDARDS SHALL REFER TO THE LATEST REVISION OF SAID STANDARD, UNLESS SPECIFICALLY STATED OTHERWISE.
- WHERE THERE IS CONFLICT BETWEEN THESE PLANS AND THE SPECIFICATIONS, OR ANY APPLICABLE STANDARDS, THE HIGHER QUALITY STANDARDS SHALL APPLY.
- ALL CONSTRUCTION IN PUBLIC RIGHT-OF-WAY SHALL COMPLY WITH THE AMERICANS WITH DISABILITIES ACT.
- TRAFFIC AND PEDESTRIAN CONTROL SHALL COMPLY WITH THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES (MUTCD) (LATEST EDITION).
- ALL TRENCHES SHALL BE ADEQUATELY SUPPORTED AND THE SAFETY OF THE WORKERS PROVIDED FOR AS REQUIRED BY THE MOST RECENT OCCUPATIONAL SAFETY AND HEALTH ADMINISTRATION (OSHA) "SAFETY AND HEALTH REGULATIONS FOR CONSTRUCTION." THESE REGULATIONS ARE DESCRIBED IN SUBPART P, PART 1926 OF THE CODE OF FEDERAL REGULATIONS. SHEETING AND SHORING SHALL BE UTILIZED WHERE NECESSARY TO PREVENT ANY EXCESSIVE WIDENING OR SLOUGHING OF THE TRENCH WHICH MAY BE DETRIMENTAL TO HUMAN SAFETY. TO THE PIPE BEING LINED, TO TREES OR TO ANY EXISTING STRUCTURE WHERE EXCAVATIONS ARE MADE UNDER SEWER WATER CONDITIONS. THE CONTRACTOR MAY BE REQUIRED TO USE AN APPROVED PILING INSTEAD OF SHEETING AND SHORING.
- THE CONTRACTOR IS RESPONSIBLE FOR IMPLEMENTING AND MAINTAINING EROSION CONTROL MEASURES. AT ALL TIMES DURING CONSTRUCTION, THE PLAN MAY BE MODIFIED WITH APPROPRIATE APPROVALS FROM THE MUNICIPALITY'S ENGINEERING DIVISION AS FIELD CONDITIONS WARRANT.
- REPAIR OF ANY DAMAGE TO EXISTING IMPROVEMENTS OR LANDSCAPING IS THE RESPONSIBILITY OF THE CONTRACTOR AT THE CONTRACTOR'S EXPENSE.
- ALL CONSTRUCTION ACTIVITIES MUST COMPLY WITH THE STATE OF COLORADO PERMITTING PROCESS FOR "STORM WATER DISCHARGES ASSOCIATED WITH CONSTRUCTION ACTIVITY." FOR INFORMATION, PLEASE CONTACT COLORADO DEPARTMENT OF PUBLIC HEALTH AND ENVIRONMENT, WATER QUALITY CONTROL DIVISION, WQCD-P-82, 4300 CHERRY CREEK DRIVE SOUTH, DENVER, COLORADO 80246-1530. ATTENTION: PERMITS UNIT. PHONE (303) 692-3590.
- THE CONTRACTOR SHALL REGULARLY PATROL THE PUBLIC LANDS ADJACENT TO THE DEVELOPMENT, REMOVE CONSTRUCTION DEBRIS AND KEEP THE SITE CLEAN AND SAFE.
- CONTRACTOR SHALL REVIEW THE GEOTECHNICAL REPORT FOR THIS PROJECT FOR PAVEMENT DESIGN AND RECOMMENDATIONS REGARDING EXCAVATION, COMPACTION, EMBANKMENT, AND TOPSOIL REMOVAL AND REPLACEMENT. FINAL PAVEMENT DESIGN TO BE DETERMINED BY THE GEOTECHNICAL ENGINEER. CONTRACTOR TO COORDINATE THIS WORK. THE CONSTRUCTION METHODS FOR EXCAVATION/EMBANKMENT, COMPACTION AND SUBGRADE PREPARATION SHALL BE IN STRICT CONFORMANCE WITH THE GEOTECHNICAL ENGINEER'S RECOMMENDATIONS. ENGINEER SHALL BE NOTIFIED IMMEDIATELY OF DISCREPANCIES BETWEEN THE GEOTECHNICAL REPORT RECOMMENDATIONS AND REQUIREMENTS OF THESE CONSTRUCTION DOCUMENTS AND SPECIFICATIONS.
- EXISTING GRADES AND SPOT ELEVATIONS SHOWN ON THIS DRAWING HAVE BEEN PLOTTED FROM BEST AVAILABLE INFORMATION AND ARE SHOWN TO THE EXTENT KNOWN. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO FIELD VERIFY EXISTING GRADE CONDITIONS AT THE LIMITS OF CONSTRUCTION AND AT LOCATIONS THAT INTERFACE WITH EXISTING OR PROPOSED BUILDINGS AND NOTIFY THE CIVIL ENGINEER OF ANY DISCREPANCIES THAT CONTRADICT THE CIVIL ENGINEER'S INTENT FOR DRAINAGE PATTERNS, MAXIMUM AND MINIMUM SLOPES, AND PROPOSED ELEVATIONS AS SHOWN ON THE PLAN.
- ANY EARTHWORK QUANTITIES ARE RAW NUMBERS AND HAVE NOT BEEN ADJUSTED TO ACCOUNT FOR SHRINK, SWELL, COMPACTION, UTILITY SPOILS, BUILDING FOUNDATION/BASEMENT ETC. IT IS THE CONTRACTOR'S RESPONSIBILITY TO VERIFY ALL EARTHWORK VALUES.
- NOTICE TO BIDDERS - UNLESS APPROVAL BLOCKS ARE SIGNED AND THE PLANS ARE STAMPED BY A PROFESSIONAL ENGINEER, THESE DOCUMENTS ARE PENDING JURISDICTIONAL APPROVAL AND SUBJECT TO CHANGE.
- THE CONTRACTOR IS SPECIFICALLY CAUTIONED THAT THE LOCATION AND/OR ELEVATION OF EXISTING UTILITIES, AS SHOWN ON THESE PLANS, IS BASED ON RECORDS OF THE VARIOUS UTILITY COMPANIES AND, WHERE POSSIBLE, MEASUREMENTS TAKEN IN THE FIELD. THE INFORMATION IS NOT TO BE RELIED UPON AS BEING EXACT OR COMPLETE. THE CONTRACTOR MUST CALL THE LOCAL UTILITY LOCATION CENTER AT LEAST 48 HOURS BEFORE ANY EXCAVATION TO REQUEST EXACT FIELD LOCATIONS OF THE UTILITIES. PRIOR TO CONSTRUCTION, THE CONTRACTOR SHALL VERIFY PERTINENT LOCATIONS AND ELEVATIONS, ESPECIALLY AT CONNECTION POINTS AND AT POTENTIAL UTILITY CONFLICTS. IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO RELOCATE ALL EXISTING UTILITIES THAT CONFLICT WITH THE PROPOSED IMPROVEMENTS SHOWN ON THESE PLANS
- IT IS THE CONTRACTOR'S RESPONSIBILITY TO PROTECT EXISTING UTILITIES FROM DAMAGE THROUGHOUT THE CONSTRUCTION OF THIS PROJECT. THE CONTRACTOR SHALL CALL THE UTILITY NOTIFICATION CENTER OF COLORADO FOR UTILITY LOCATIONS 2 WORKING DAYS PRIOR TO COMMENCING CONSTRUCTION.
- ALL STORM SEWER PIPE SHALL BE CLASS 3 REINFORCED CONCRETE PIPE AND UTILIZING WATER TIGHT JOINTS UNLESS OTHERWISE NOTED.
- ALL AREAS DISTURBED BEYOND CONSTRUCTION LIMITS SHALL BE RESEEDED/MULCHED AT THE CONTRACTORS EXPENSE.
- IF CONSTRUCTING NEW CURB AND GUTTER ADJACENT TO EXISTING ASPHALT PAVEMENT, CONTRACTOR SHALL REVIEW EXISTING PAVEMENT ELEVATIONS AND PROPOSED GRADES FOR CURB AND GUTTER AND NOTIFY ENGINEER IF MAXIMUM OR MINIMUM CROSS SLOPES ON ASPHALT PATCH ARE NOT WITHIN THE LIMITS OF CONSTRUCTION.
- THE CONTRACTOR IS RESPONSIBLE FOR RECORDING AS-BUILT INFORMATION ON A SET OF RECORD DRAWINGS KEPT ON THE CONSTRUCTION SITE, AND AVAILABLE TO THE PUBLIC WORKS INSPECTOR AT ALL TIMES.
- DIMENSIONS FOR LAYOUT AND CONSTRUCTION ARE NOT TO BE SCALED FROM ANY DRAWINGS. IF PERTINENT DIMENSIONS ARE NOT SHOWN, CONTACT THE CONSULTANT ENGINEER FOR CLARIFICATION, AND ANNOTATE THE DIMENSION ON THE AS-BUILT RECORD DRAWINGS.

LEGEND



EXISTING DRY UTILITIES



ABBREVIATIONS:

A	DELTA	LP	LOW POINT
AC	AIR CONDITIONING UNIT	LS	LANDSCAPE
AD	ALGEBRAIC DIFFERENCE (IN GRADE)	LT	LEFT
AE	ACCESS EASEMENT	MAT	MATERIAL
ASPH	ASPHALT	MAX	MAXIMUM
AVE	AVENUE	ME	MATCH EXISTING
BLDG	BUILDING	MH	MANHOLE
N	NORTH	MIN	MINIMUM
BLVD	BOULEVARD	MON	MONUMENT
BM	BENCHMARK	NO	NUMBER
BMP	BEST MANAGEMENT PRACTICE	NTS	NOT TO SCALE
BOP	BOTTOM OF PIPE	OC	ON CENTER
BOR	BOTTOM OF RAMP	OH	OVERHEAD
BOS	BOTTOM OF STAIR	OHE	OVERHEAD ELECTRICAL
BOW	BACK OF WALK	PB	PULL BOX
BP	BEGIN PROFILE	PC	POINT OF CURVATURE
BW	BOTTOM OF WALL (FG @ WALL FACE)	PCC	PORTLAND CEMENT CONCRETE
CAE	CROSS ACCESS EASEMENT	PCP	POINT OF COMPOUND CURVATURE
CCP	CITY OF CASTLE PINES	PCR	POINT OF CURB RETURN
CDOT	CO. DEPT. OF TRANSPORTATION	PE	PROFESSIONAL ENGINEER
CL	CENTERLINE	PED	PEDESTAL
CMP	CORRUGATED METAL PIPE	PGL	PROFILE GRADE LINE
CO	CLEANOUT	PI	POINT OF INTERSECTION
COL	COLUMN	PL	PROPERTY LINE
CON	CONCENTRIC	PLS	PROFESSIONAL LAND SURVEYOR
CONC	CONCRETE	PP	POWER POLE
COR	CORNER	PRO	PROPOSED
CR	CURB RAMP / CURB RETURN	PRT	POINT OF REVERSE CURVATURE
DE	DRAINAGE EASEMENT	PT	POINT OF TANGENCY
DI	DUCTILE IRON	PVC	POINT OF VERTICAL CURVATURE
DIA	DIAMETER	PVI	POINT OF VERTICAL INTERSECTION
DS	DOWNSPOUT	PVMT	PAVEMENT
DWG	DRAWING	PVT	POINT OF VERTICAL TANGENCY
E	EAST / SUPERELEVATION RATE	RCP	REINFORCED CONCRETE PIPE
E	ELECTICAL	R	RADIUS / RIGHT
EB	EASTBOUND	RD	ROAD
EAE	EMERGENCY ACCESS EASEMENT	REF	REFERENCE
EC	EDGE OF CONCRETE	RET	RETAINING
ECC	ECCENTRIC	REV	REVISION
EG	EXISTING GRADE	ROW	RIGHT-OF-WAY
EL	ELEVATION	RT	RIGHT
ELEC	ELECTRIC	RW	RAW WATER
EM	ELECTRIC METER	S	SOUTH
ENCL	ENCLOSURE	SANS	SANITARY SEWER
EOA	EDGE OF ASPHALT	SC	SURVEY CONTROL
EOC	EDGE OF CONCRETE	SD	STORM DRAIN
EOP	EDGE OF PAVEMENT	SEC	SECTION
EOW	EDGE OF WALK	SS	SANITARY SEWER
ESMT	EASEMENT	ST	STREET / STORM
EX	EXISTING	STA	STATION
FDC	FIRE DEPARTMENT CONNECTION	STD	STANDARD
FES	FLARED END SECTION	SV	SERVICE
FF	FINISH FLOOR	SW	SIDEWALK
FH	FIRE HYDRANT	SWL	SWALE
FG	FINISH GRADE	T	TELEPHONE
FL	FLOWLINE	TC	TOP OF CURB / TRAFFIC CONTROL
FO	FIBER OPTIC	TBC	TOP BACK OF CURB
FT	FEET	TELE	TELEPHONE / COMMUNICATIONS
G	GAS	TOB	TOP OF BANK
GB	GRADE BREAK	TOE	TOE OF SLOPE
GM	GAS METER	TOF	TOP OF FOUNDATION
GND	GROUND	TOP	TOP OF PIPE
GP	GUARD POST	TOR	TOP OF RAMP
GR	GRADE	TOS	TOP OF STAIR
GRL	GUARDRAIL	TOW	TOE OF WALL
GRV	GRAVEL	TW	TOP OF FALL
GS	GARAGE SLAB	TV	TELEVISION
GV	GATE VALVE	TYP	TYPICAL
HC	HANDICAP	UE	UTILITY EASEMENT
HOR	HORIZONTAL	UT	UTILITY
HP	HIGH POINT	VC	VERTICAL CURVE
HW	HEADWALL	VC&G	VERTICAL CURB & GUTTER
IN	INCHES OR INLET	VLT	VERTICAL
INT	INTERSECTION	VERT	VERTICAL
INV	INVERT	W	WEST
IRR	IRRIGATION	WB	WEST BOUND
JT	JOINT TRENCH	WI	SIDEWALK
K	DIST FOR 1% CHANGE OF GRADE	WM	WATER METER
L	LENGTH / LEFT	WT	WATER
LIP	LIP OF PAN	XC	CROSS-SECTION
		Y1	SINGLE YELLOW STRIPE
		Y2	DOUBLE YELLOW STRIPE

PROFESSIONAL ENGINEER CERTIFICATION

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JOSEPH F. FERRIS
STATE OF COLORADO # 55846

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APPROVED BY:

DESIGNED BY: JB
DRAWN BY: MB
CHECKED BY: JF

DEVELOPMENT SERVICES

DATE

DAWSON TRAILS OFFSITE SANITARY SEWER

CASTLE ROCK, COLORADO

CONSTRUCTION DOCUMENTS

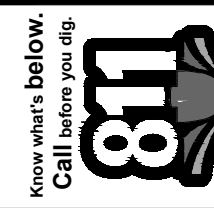
GENERAL NOTES



DESIGNED BY: JB
DRAWN BY: MB
CHECKED BY: JF

JOB NO.
20-224

SHEET
2 OF 26



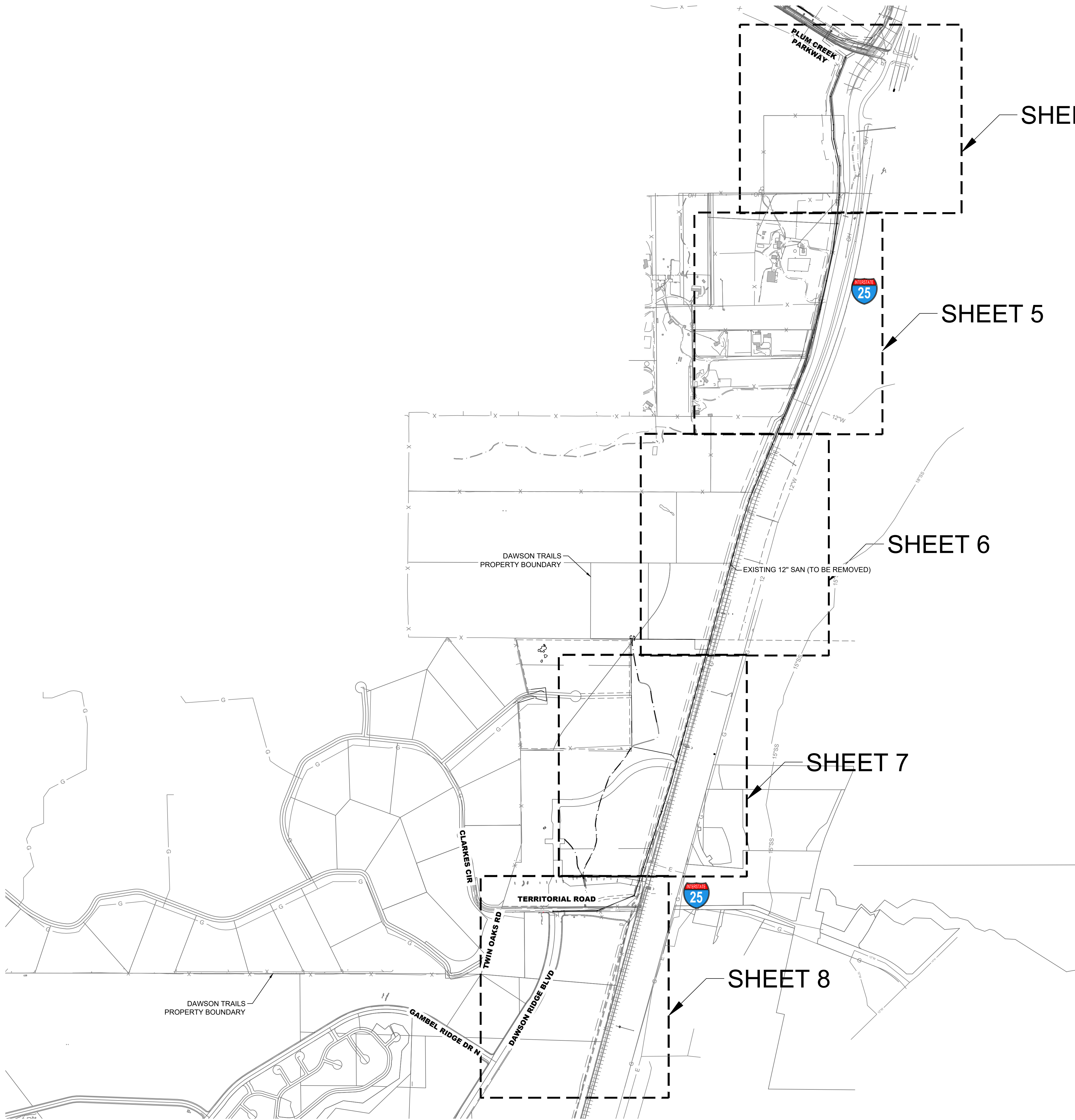
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1	1ST SUBMITTAL	12/22/22	RR
2	2ND SUBMITTAL	04/26/23	JF

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SUITE 100, CO 80113
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BASIS OF BEARING
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DEVELOPMENT SERVICES

DATE

DAWSON TRAILS OFFSITE SANITARY SEWER

CASTLE ROCK, COLORADO

CONSTRUCTION DOCUMENTS

OVERALL DEMO PLAN

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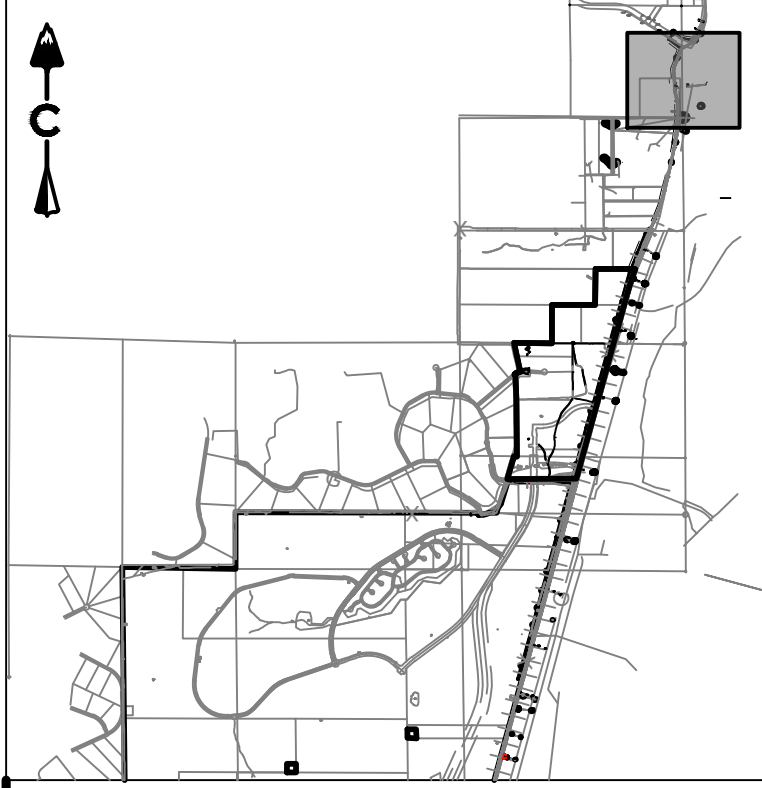


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LEGEND	
	EXISTING CURB & GUTTER
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DEVELOPMENT SERVICES DATE

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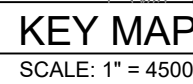
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DAWSON TRAILS OFFSITE SANITARY SEWER
CASTLE ROCK, COLORADO
CONSTRUCTION DOCUMENTS
DEMO PLAN (1 OF 5)

DESIGNED BY: JB
DRAWN BY: MB
CHECKED BY: JF

JOB NO.
20-224
SHEET
4 OF 26



	EXISTING CURB & GUTTER
	DEMO CURB & GUTTER
	EXISTING STORM & STUB OUT
	DEMO STORM & STUB OUT
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	DEMO WATER & STUB OUT
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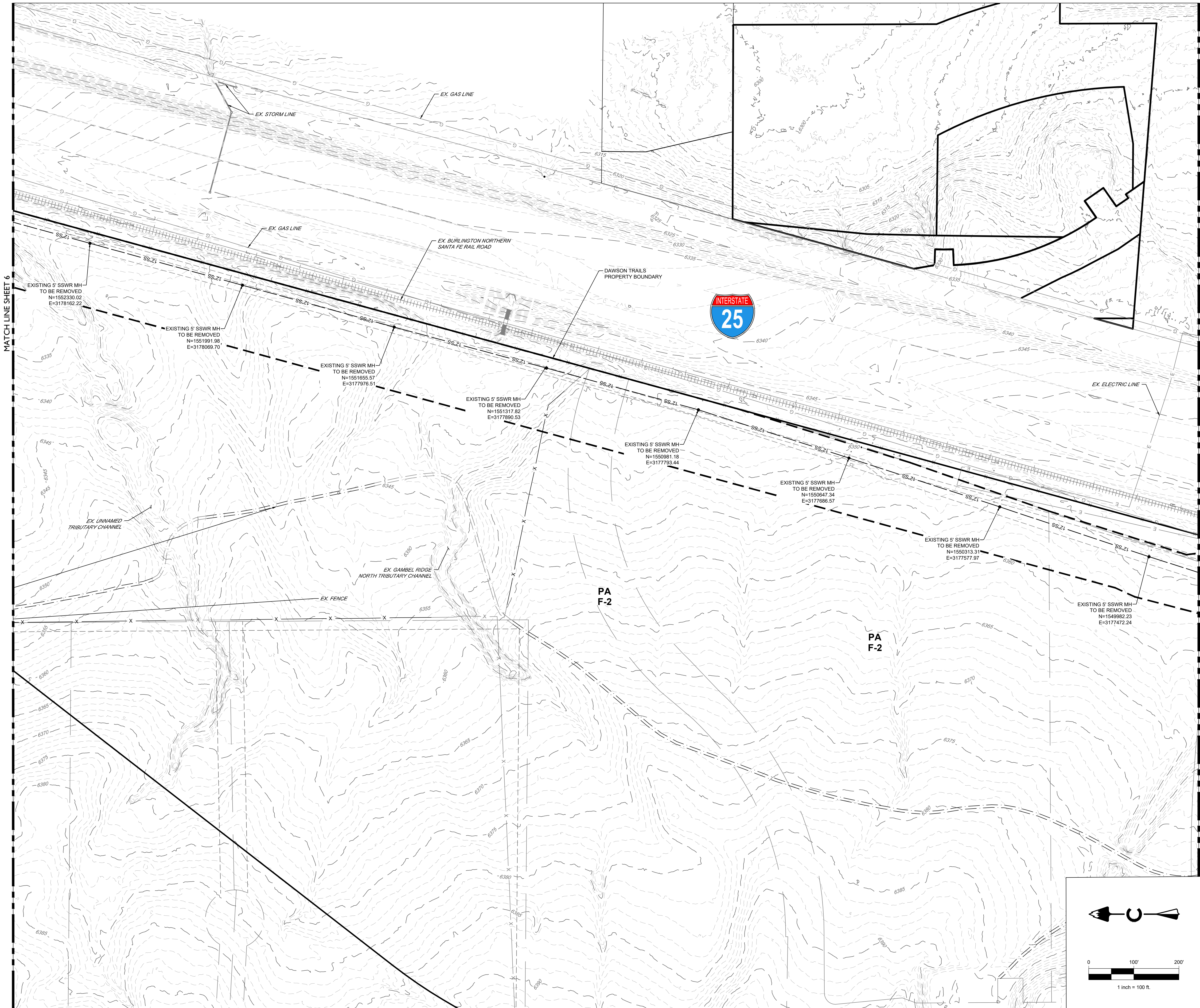
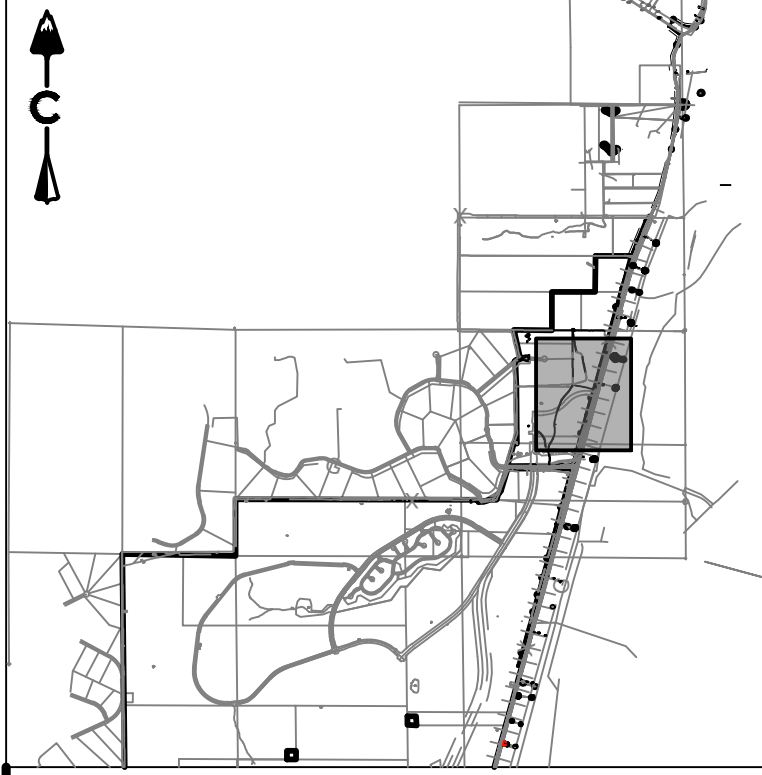
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=====	DEMO STORM & STUB OUT
=====	EXISTING WATER & STUB OUT
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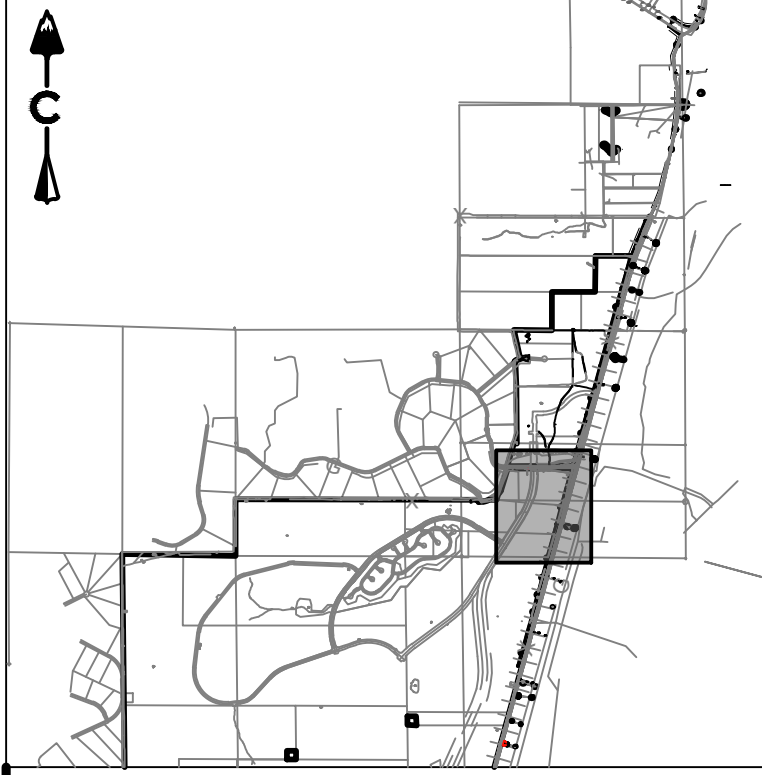
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DAWSON TRAILS OFFSITE SANITARY SEWER
CASTLE ROCK, COLORADO
CONSTRUCTION DOCUMENTS
DEMO PLAN (4 OF 5)

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LAND DEVELOPMENT
ENERGY
PUBLIC INFRASTRUCTURE

JOB NO.
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SHEET
7 OF 26



KEY MAP
SCALE: 1" = 4500'

LEGEND

=====	EXISTING CURB & GUTTER
=====	DEMO CURB & GUTTER
=====	EXISTING STORM & STUB OUT
=====	DEMO STORM & STUB OUT
W	EXISTING WATER & STUB OUT
W	DEMO WATER & STUB OUT
SS	EXISTING SANITARY & STUB OUT
SS	DEMO SANITARY & STUB OUT
IRR	EXISTING IRRIGATION & STUB OUT
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E	EXISTING ELECTRIC
FO	EXISTING FIBER OPTIC
G	EXISTING GAS
OH	EXISTING OVER HEAD ELECTRIC
=====	CONCRETE
=====	EXISTING GRAVEL ROAD
=====	EXISTING ASPHALT ROAD
=====	APPROXIMATE SAWCUT LIMITS

- NOTES:**
- EXISTING UTILITIES WITHIN DAWSON TRAILS PROPERTY OUTSIDE OF THE OFFSITE SANITARY SEWER BOUNDARY ARE TO BE REMOVED AS PART OF THE DAWSON TRAILS DEMOLITION (BY OTHERS).

BASIS OF BEARING
BEARINGS SHOWN HEREON ARE BASED UPON THE NORTH LINE OF THE NORTHEAST QUARTER OF THE NORTHWEST QUARTER OF SECTION 22, TOWNSHIP 8 SOUTH, RANGE 87 WEST, BEARING S 89°31'22" E, FROM THE WEST SIXTEENTH CORNER OF SECTIONS 22/15, BEING MONUMENTED BY A #6 REBAR WITH A 2-1/2 INCH ALUMINUM CAP STAMPED "LS 5112 - 1994". TO THE NORTH QUARTER CORNER OF SAID SECTION 22 BEING MONUMENTED BY A #6 REBAR WITH A 2-1/2 INCH ALUMINUM CAP STAMPED "LS 3802 - 2020", WITH ALL BEARINGS CONTAINED HEREIN RELATIVE THERETO.

BENCHMARK
THE ELEVATION AND CONTOURS SHOWN HEREON ARE BASED UPON NGS STATION X 396 (PD RX1331), BEING A STANDARD NGS SSS STEEL DEEPROD, WITH A PUNCHMARK, IN A STANDARD NGS LOGO CAP SET IN A CONCRETE SLEEVE, FLUSH TO THE GROUND. MONUMENT LIES 0.25 MI SOUTH OF THE INTERSECTION OF DOUGLAS LANE LEADING EAST, 121.1 FT EAST OF THE CENTERLINE OF THE NORTHBOUND LANES OF INTERSTATE 25, 86.6 FT SOUTH OF THE CENTER OF A PRIVATE DRIVE LEADING EAST TO A FRAME HOUSE, 38.1 FT EAST OF THE CENTERLINE OF THE EAST FRONTAGE ROAD OF INTERSTATE 25, 5.6 FT NORTH OF A UTILITY POLE, ABOUT LEVEL WITH THE HIGHWAY, AND 1 FT WEST OF A FIBERGLASS WITNESS POST AND SHEEP FENCE. PUBLISHED ELEVATION = 6355.09' NAVD88

PROFESSIONAL ENGINEER CERTIFICATION
I HEREBY AFFIRM THAT THESE FINAL CONSTRUCTION PLANS WERE PREPARED UNDER MY DIRECT SUPERVISION, IN ACCORDANCE WITH ALL APPLICABLE TOWN OF CASTLE ROCK AND STATE OF COLORADO STANDARDS AND STATUTES, RESPECTIVELY; AND THAT I AM FULLY RESPONSIBLE FOR ALL DESIGN AND REVISIONS RELATIVE TO SAID PLANS.

JOSEPH F. FERRIS
STATE OF COLORADO # 55846

TOWN APPROVAL BLOCK
TOWN OF CASTLE ROCK APPROVAL
PLANS ARE HEREBY APPROVED FOR ONE YEAR FROM DATE OF DEVELOPMENT SERVICES APPROVAL.

APPROVED BY:
DESIGNED BY: JB
DRAWN BY: MB
CHECKED BY: JF

DEVELOPMENT SERVICES DATE

LAND DEVELOPMENT
ENERGY
PUBLIC INFRASTRUCTURE

CORE CONSULTANTS, INC.
34733 S. BROADWAY
DENVER, CO 80113
303.703.4444
LIVEYOURCORE.COM

CORE

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#	REVISION DESCRIPTION	DATE	BY
1	1ST SUBMITTAL	12/22/22	JR
2	2ND SUBMITTAL	04/26/23	JF

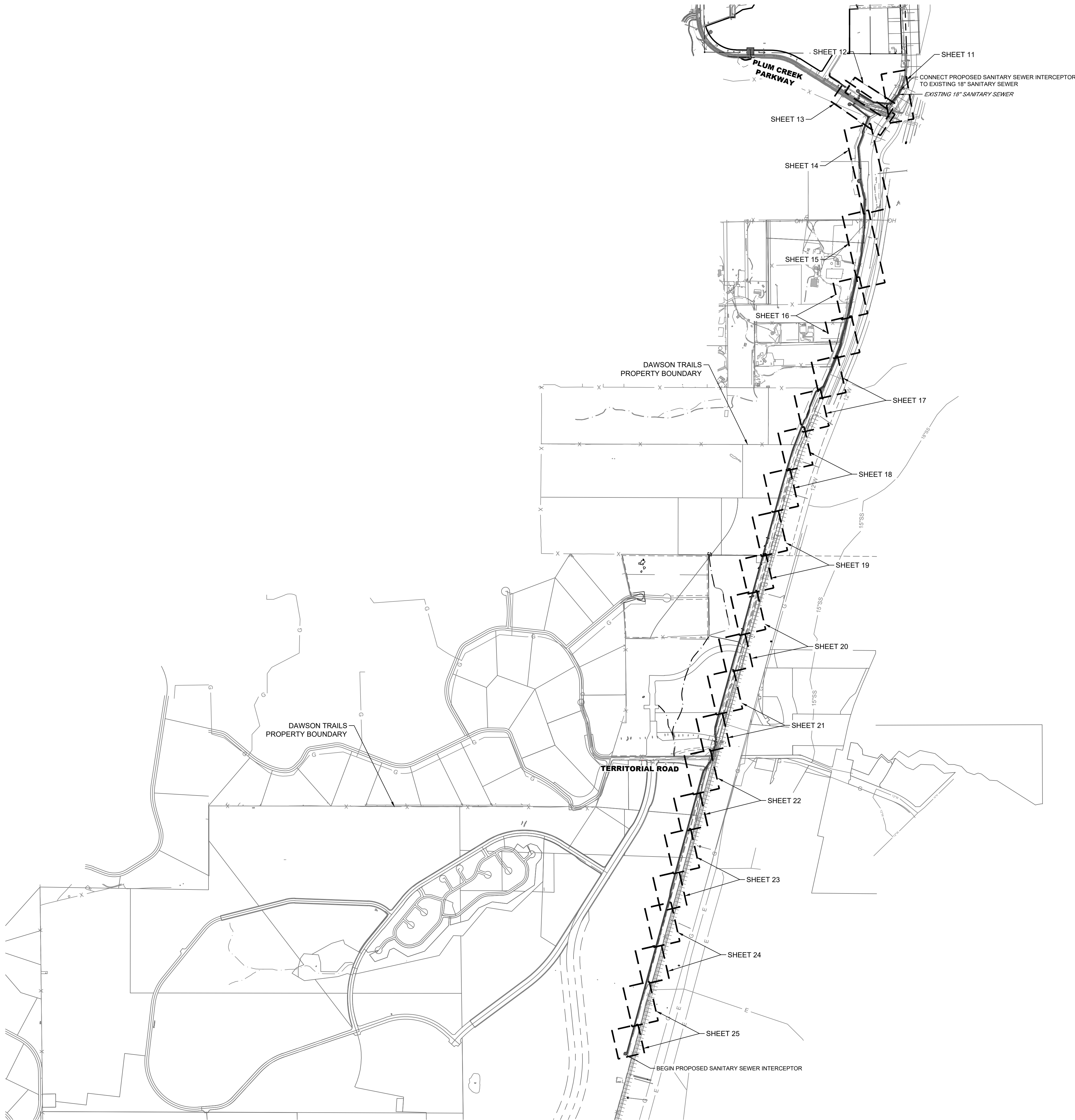
DAWSON TRAILS OFFSITE SANITARY SEWER
CASTLE ROCK, COLORADO
CONSTRUCTION DOCUMENTS
DEMO PLAN (5 OF 5)

WESTSIDE

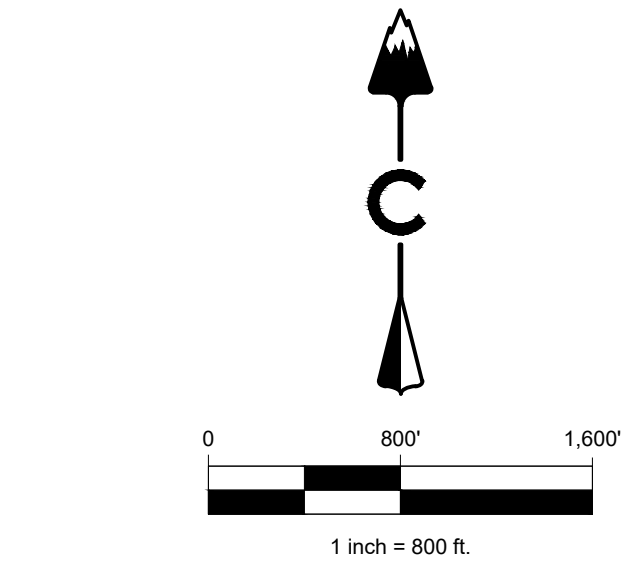
DESIGNED BY: JB
DRAWN BY: MB
CHECKED BY: JF

JOB NO.
20-224

SHEET
8 OF 26



NOTE: CONTRACTOR SHALL PROVIDE A MINIMUM SEVENTY TWO (72) HOURS' NOTICE TO THE ON-SITE TCR CONSTRUCTION INSPECTOR, (720) 733-2200, PRIOR TO MAKING ANY CONNECTIONS OR TIE-INS TO EXISTING WATER, SANITARY SEWER, AND/OR STORM SEWER SYSTEMS PROVIDED THAT THE UTILITY TIE-IN DOES NOT DISRUPT SERVICE TO EXISTING CR WATER CUSTOMERS. IF THE TIE-IN REQUIRES A LINE SHUTDOWN, OR WILL DISRUPT UTILITY SERVICE, THEN CONTRACTOR SHALL PROVIDE A MINIMUM OF THREE (3) WEEKS' NOTICE TO THE TCR CONSTRUCTION INSPECTOR TO ALLOW TIME FOR CR WATER TO PROVIDE WRITTEN NOTIFICATION TO EXISTING CUSTOMERS AFFECTED BY THE TIE-IN. ALL TOWN UTILITY TIE-INS MUST BE APPROVED BY CR WATER PRIOR TO COMMENCING WORK.



LEGEND

---	EASEMENT
---	RIGHT OF WAY (R.O.W.)
---	CENTERLINE
---	PROJECT BOUNDARY
---	PROPOSED CURB & GUTTER
---	PROPOSED SANITARY & STUB OUT
---	EXISTING SANITARY & STUB OUT
---	SANITARY SERVICE
---	WATER SERVICE
---	PROPOSED WATER & STUB OUT
---	EXISTING WATER & STUB OUT
---	PROPOSED STORM & STUB OUT
---	EXISTING STORM & STUB OUT
---	EXISTING
---	PROPOSED
---	SANITARY MANHOLES
---	SANITARY CLEAN OUT
---	CRUSHER FINES
---	MAINTENANCE ACCESS
---	BLOCK NUMBER
---	LIMITS OF CONSTRUCTION (LOC)
---	TOWN 100 YEAR FLOODPLAIN

NOTES:

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- BENCHMARK**
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PROFESSIONAL ENGINEER CERTIFICATION

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JOSEPH F. FERRIS
STATE OF COLORADO # 55846

TOWN APPROVAL BLOCK

TOWN OF CASTLE ROCK APPROVAL
PLANS ARE HEREBY APPROVED FOR ONE YEAR FROM
DATE OF DEVELOPMENT SERVICES APPROVAL.

APPROVED BY:

DEVELOPMENT SERVICES

DATE

DAWSON TRAILS OFFSITE SANITARY SEWER

CASTLE ROCK, COLORADO

CONSTRUCTION DOCUMENTS

OVERALL SANITARY PLAN

Know what's below.
Call before you dig.



#	REVISION DESCRIPTION	DATE	BY
1	1ST SUBMITTAL	12/22/22	KR
2	2ND SUBMITTAL	04/26/23	JF

CORE CONSULTANTS, INC.
34733 S. BROADWAY
DENVER, CO 80113
303.703.4444
LIVEYOURCORE.COM

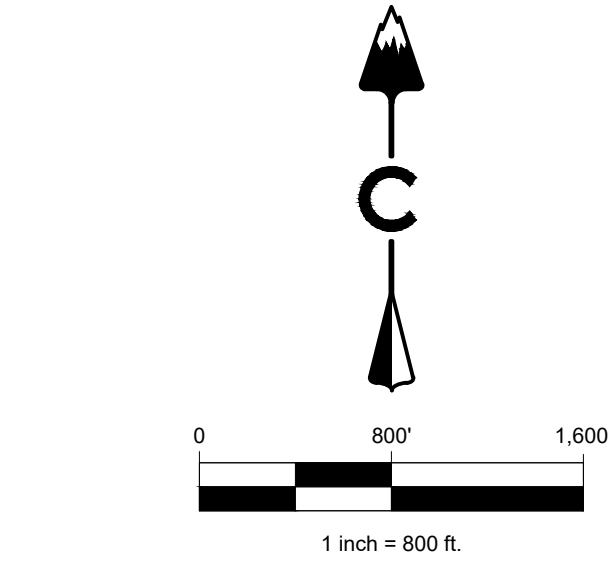
LAND DEVELOPMENT
ENERGY
PUBLIC INFRASTRUCTURE



DESIGNED BY: JB
DRAWN BY: MB
CHECKED BY: JF

JOB NO.
20-224

SHEET
9 OF 26



LEGEND	
	PHASE 1
	PHASE 2

BASIS OF BEARING
BEARINGS SHOWN HEREON ARE BASED UPON THE NORTH LINE OF THE NORTHEAST QUARTER OF THE NORTHWEST QUARTER OF SECTION 22, TOWNSHIP 8 SOUTH, RANGE 87 WEST, BEARING S 89°31'22" E, FROM THE WEST SIXTEENTH CORNER OF SECTIONS 22/15, BEING MONUMENTED BY A #6 REBAR WITH A 2-1/2 INCH ALUMINUM CAP STAMPED "LS 5112 - 1994", TO THE NORTH QUARTER CORNER OF SAID SECTION 22 BEING MONUMENTED BY A #6 REBAR WITH A 2-1/2 INCH ALUMINUM CAP STAMPED "LS 38002 - 2020", WITH ALL BEARINGS CONTAINED HEREIN RELATIVE THERETO.

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THE TEMPORARY EROSION AND SEDIMENT CONTROL PLAN INCLUDED HEREIN HAS BEEN PREPARED UNDER MY DIRECT SUPERVISION IN ACCORDANCE WITH THE REQUIREMENTS OF THE GRADING, EROSION, AND SEDIMENT CONTROL (GESC) CRITERIA MANUAL OF DOUGLAS COUNTY AS AMENDED.		PROFESSIONAL ENGINEER CERTIFICATION I HEREBY AFFIRM THAT THESE FINAL CONSTRUCTION PLANS WERE PREPARED UNDER MY DIRECT SUPERVISION, IN ACCORDANCE WITH ALL APPLICABLE TOWN OF CASTLE ROCK AND STATE OF COLORADO STANDARDS AND STATUTES, RESPECTIVELY; AND THAT I AM FULLY RESPONSIBLE FOR ALL DESIGN AND REVISIONS RELATIVE TO SAID PLANS.	
KEVIN ROHORBOUGH PE STATE OF COLORADO # 48992	DATE	JOSEPH F. FERRIS STATE OF COLORADO # 55846	
DOUGLAS COUNTY ACCEPTANCE BLOCK		TOWN APPROVAL BLOCK TOWN OF CASTLE ROCK APPROVAL PLANS ARE HEREBY APPROVED FOR ONE YEAR FROM DATE OF DEVELOPMENT SERVICES APPROVAL.	
ASSISTANT DIRECTOR OF DEVELOPMENT REVIEW		APPROVED BY:	
DATE		DESIGNED BY: JB DRAWN BY: MB CHECKED BY: JF	
THESE CONSTRUCTION DRAWINGS HAVE BEEN REVIEWED BY DOUGLAS COUNTY FOR GRADING, EROSION AND SEDIMENT CONTROL IMPROVEMENTS ONLY.		JOB NO. 20-224	
ENGINEERING DIVISION ACCEPTANCE BLOCK		SHEET 10 OF 26	
		DEVELOPMENT SERVICES	
		DATE	

DAWSON TRAILS OFFSITE SANITARY SEWER
CASTLE ROCK, COLORADO
CONSTRUCTION DOCUMENTS
PHASING PLAN



DESIGNED BY: JB
DRAWN BY: MB
CHECKED BY: JF

JOB NO.
20-224

SHEET
10 OF 26

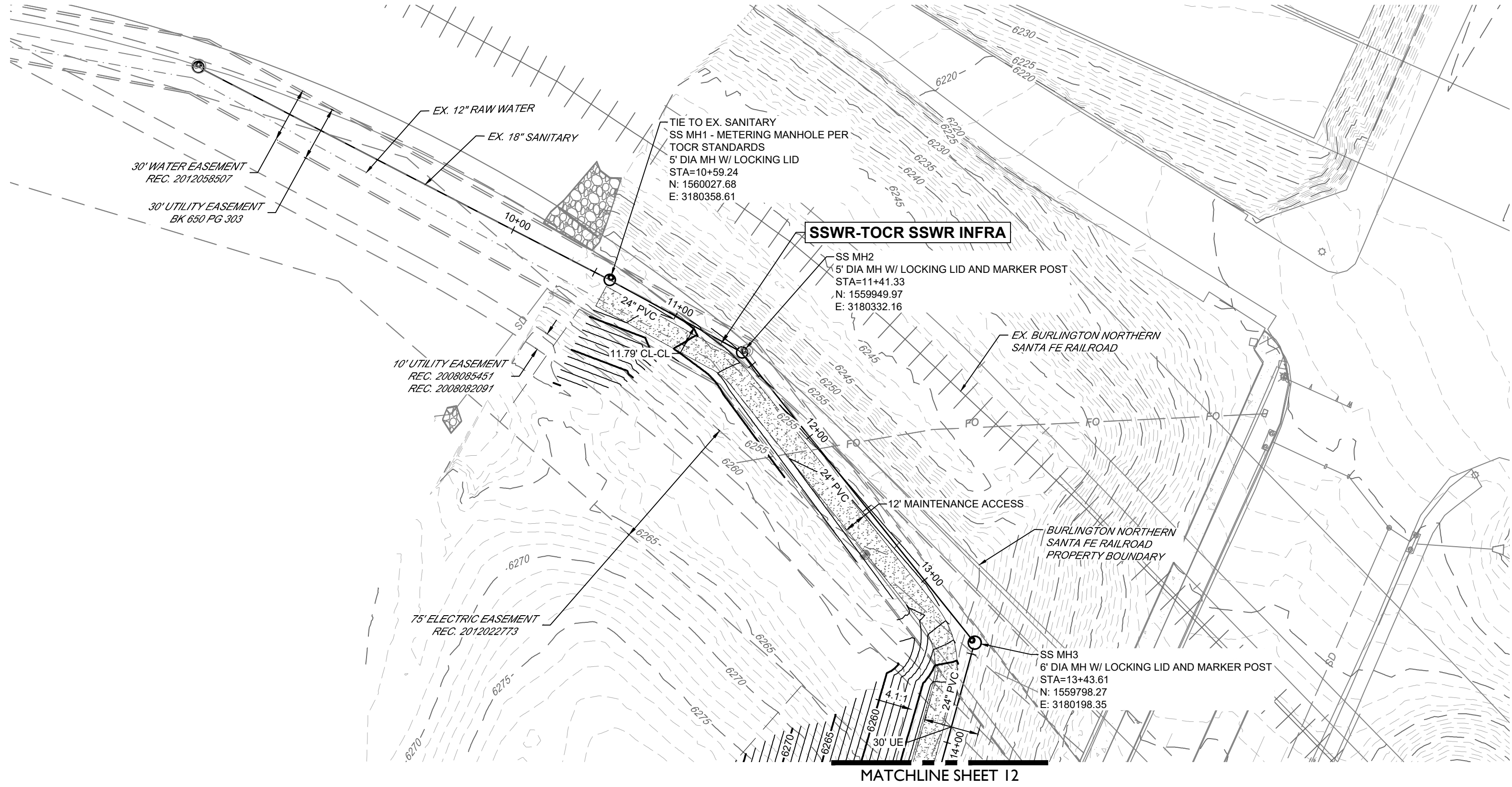


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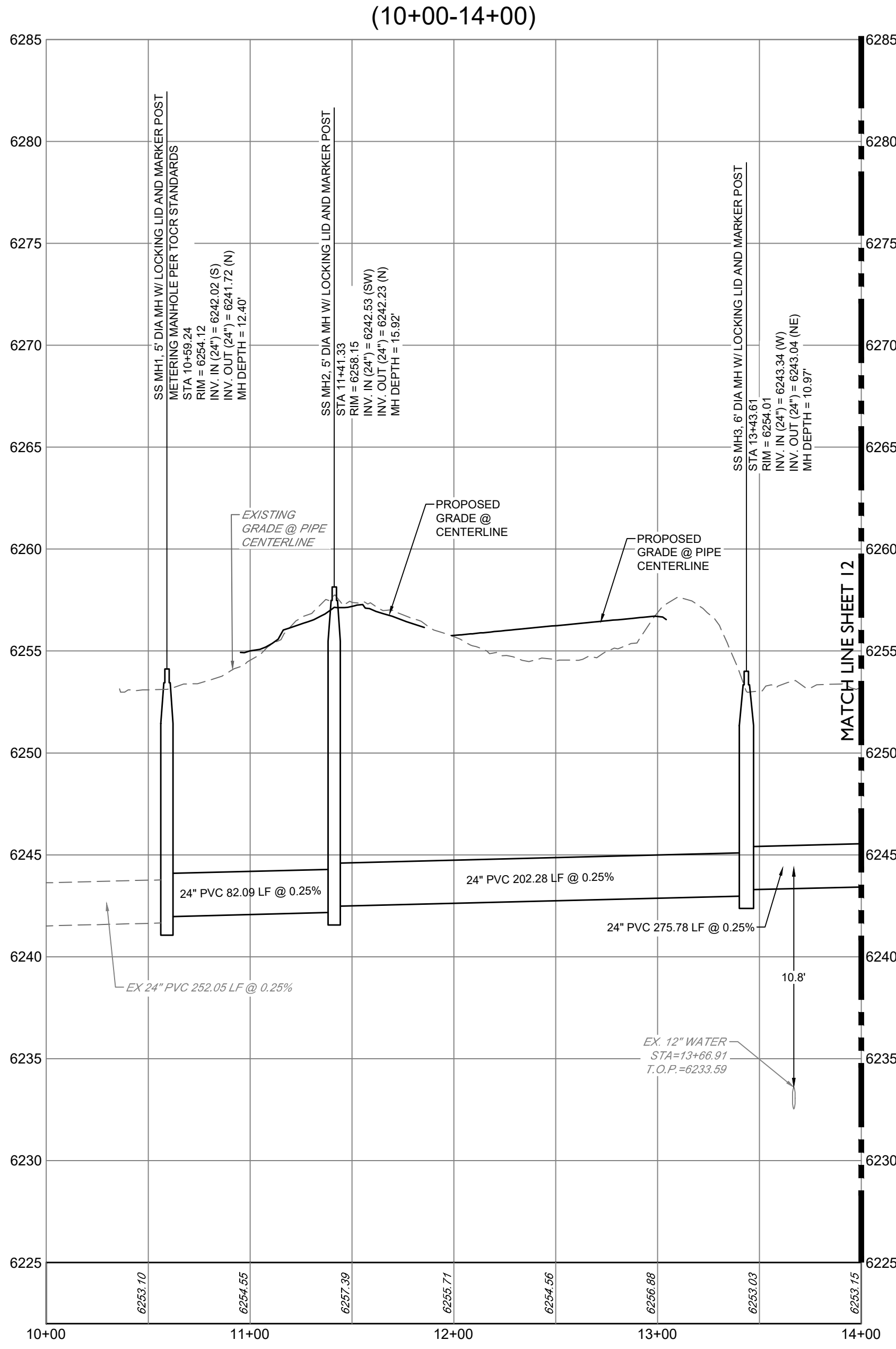
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DENVER, CO 80113
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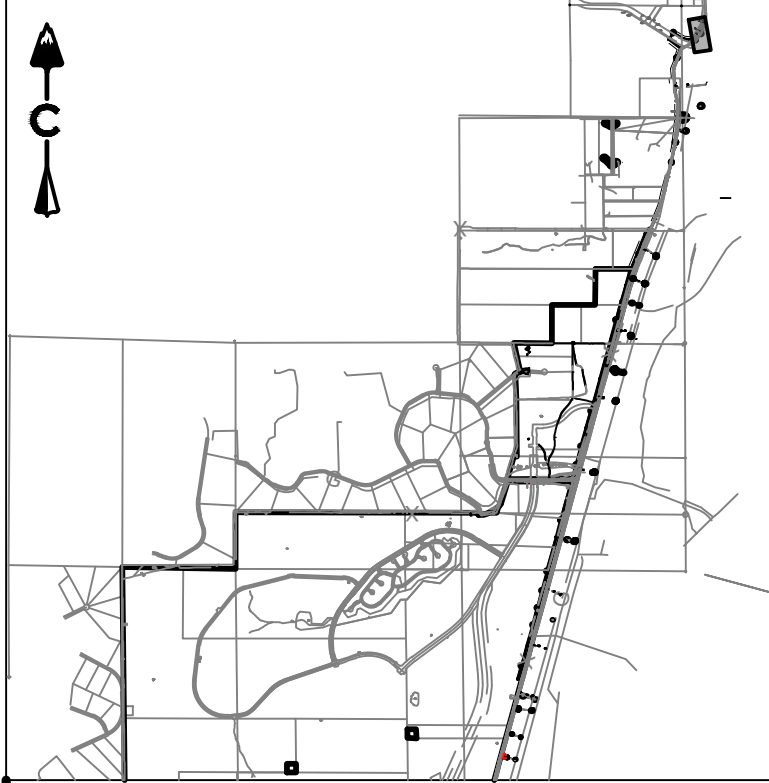




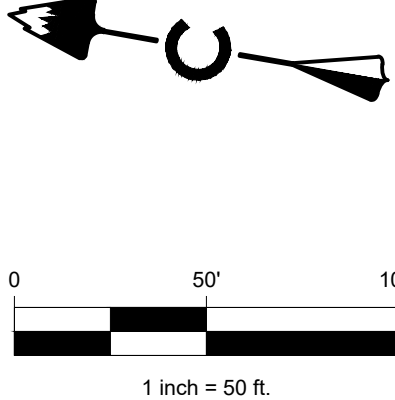
SSWR-TOCR SSWR INFRA



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KEY MAP
SCALE: 1" = 4500'



PROFILE
HORIZ: 1" = 50'
VERT: 1" = 10'

LEGEND

---	EASEMENT
---	RIGHT OF WAY (R.O.W.)
---	CENTERLINE
---	PROJECT BOUNDARY
---	PROPOSED CURB & GUTTER
---	PROPOSED SANITARY & STUB OUT
---	EXISTING SANITARY & STUB OUT
---	SANITARY SERVICE
---	WATER SERVICE
---	PROPOSED WATER & STUB OUT
---	EXISTING WATER & STUB OUT
---	PROPOSED STORM & STUB OUT
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---	SANITARY MANHOLES
---	SANITARY CLEAN OUT
---	CRUSHER FINES
---	MAINTENANCE ACCESS
---	BLOCK NUMBER
---	LIMITS OF CONSTRUCTION (LOC)
---	TOWN 100 YEAR FLOODPLAIN

NOTES:

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JOSEPH F. FERRIS
STATE OF COLORADO # 55846

TOWN APPROVAL BLOCK

TOWN OF CASTLE ROCK APPROVAL
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APPROVED BY:

DEVELOPMENT SERVICES

DATE

DAWSON TRAILS OFFSITE SANITARY SEWER

CASTLE ROCK, COLORADO

CONSTRUCTION DOCUMENTS

SANITARY P&P (1 OF 15)

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#	REVISION DESCRIPTION	DATE	BY
1	1ST SUBMITTAL	12/22/22	JF
2	2ND SUBMITTAL	04/26/23	JF

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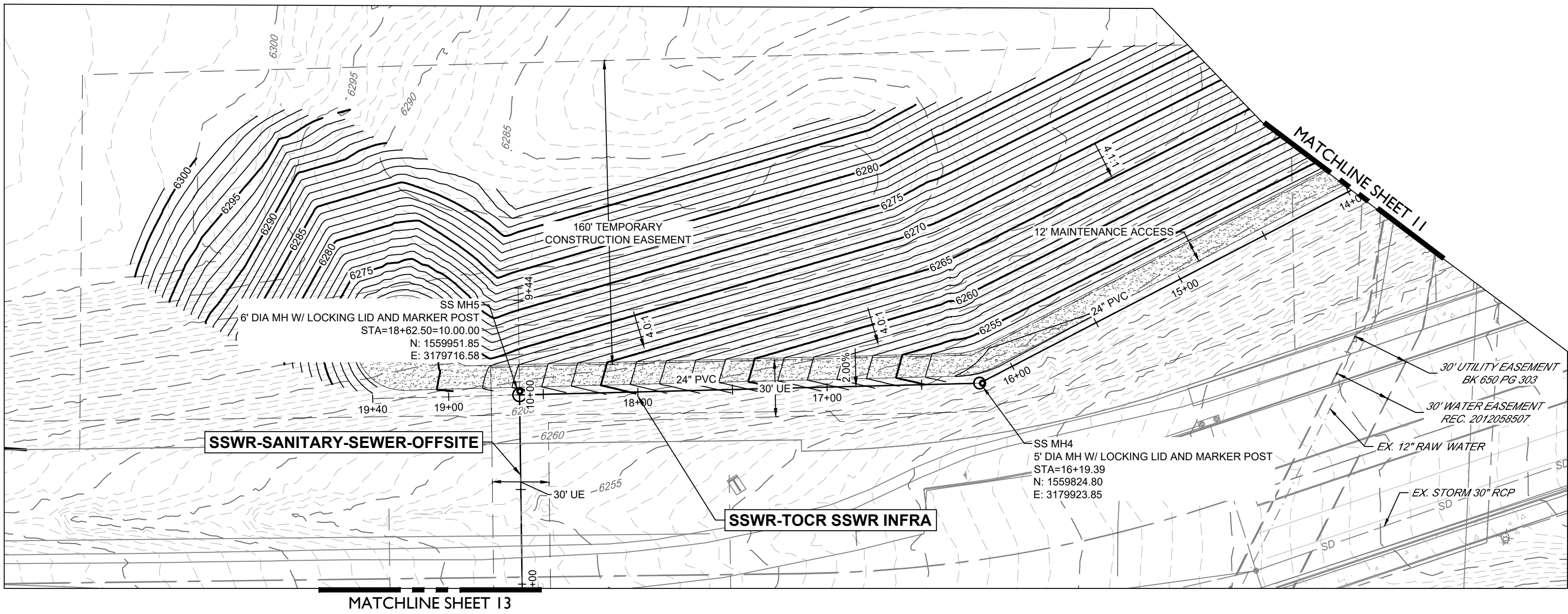
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ENERGY
PUBLIC INFRASTRUCTURE



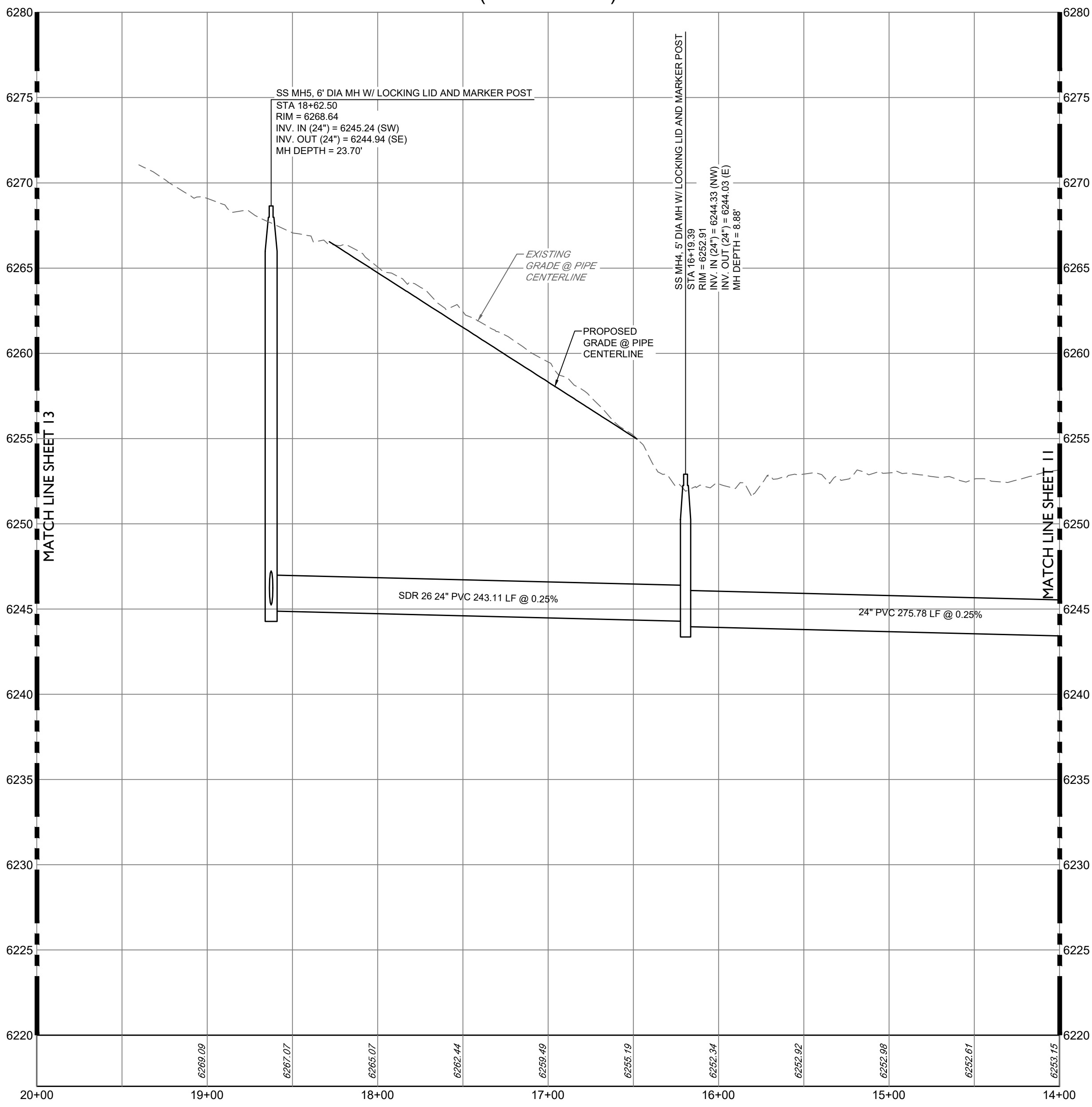
DESIGNED BY: JB
DRAWN BY: MB
CHECKED BY: JF

JOB NO.
20-224

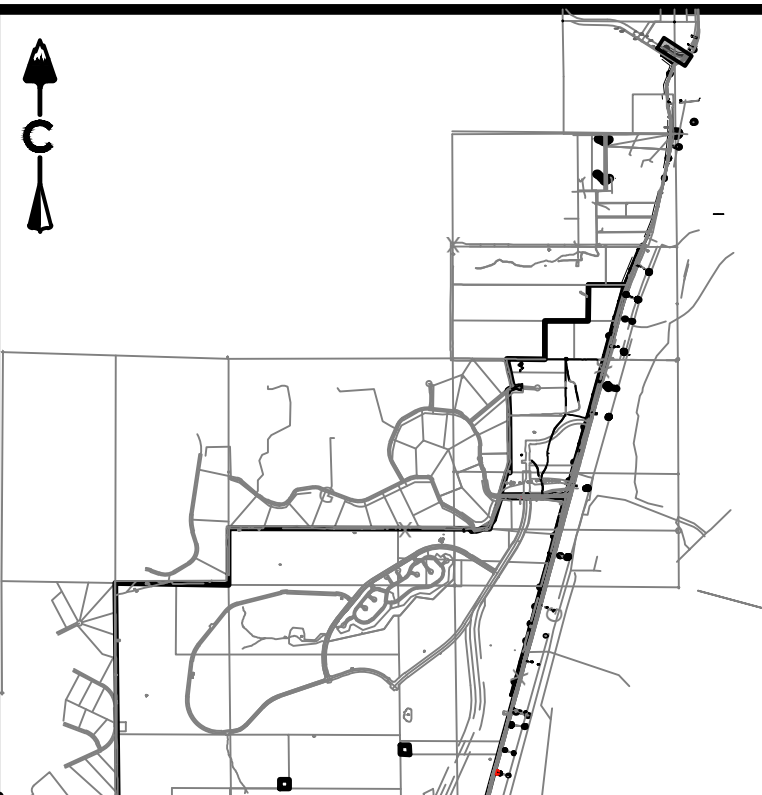
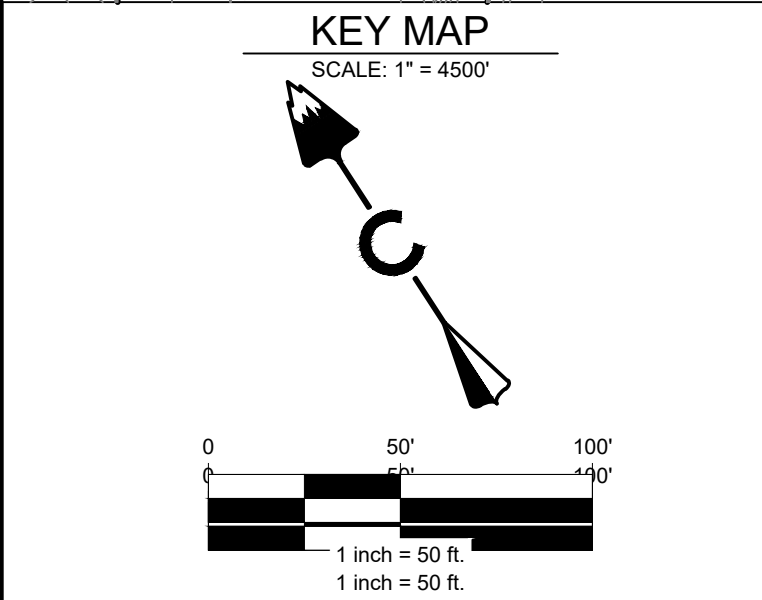
SHEET
11 OF 26



SSWR-TOCR SSWR INFRA (20+00-14+00)



- NOTES:**
- 1A. PIPE MATERIAL SHALL BE SDR 26 PVC AND SHALL CONFORM TO ASTM D-3034. IF ANY PORTION OF A SANITARY SEWER BETWEEN ANY TWO MANHOLES IS MORE THAN TWENTY FEET DEEP FROM INVERT TO FINISH GRAD, THE ENTIRE SEGMENT OF SANITARY SEWER BETWEEN THE MAN HOLES SHALL BE SDR 25 PVC PIPE.
 - 1B. CLASS B BEDDING MATERIAL AND INSTALLATION SHALL BE IN ACCORDANCE WITH THE TOWN'S STANDARDS.
 - 2A. MANHOLES SHALL BE SIX-FOOT DIAMETER WITH AN EIGHT-FOOT DIAMETER BASE AND A 30\"/>



LEGEND	
	EASEMENT
	RIGHT OF WAY (R.O.W.)
	CENTERLINE
	PROJECT BOUNDARY
	PROPOSED CURB & GUTTER
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	EXISTING SANITARY & STUB OUT
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	SANITARY MANHOLES
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	CRUSHER FINES MAINTENANCE ACCESS
	BLOCK NUMBER
	LIMITS OF CONSTRUCTION (LOC)
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JOSEPH F. FERRIS
STATE OF COLORADO # 55846

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APPROVED BY: _____

DEVELOPMENT SERVICES DATE

CORE CONSULTANTS, INC.
34733 S. BROADWAY
DENVER, CO 80113
303.703.4444
LIVEYOURCORE.COM

CORE

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811

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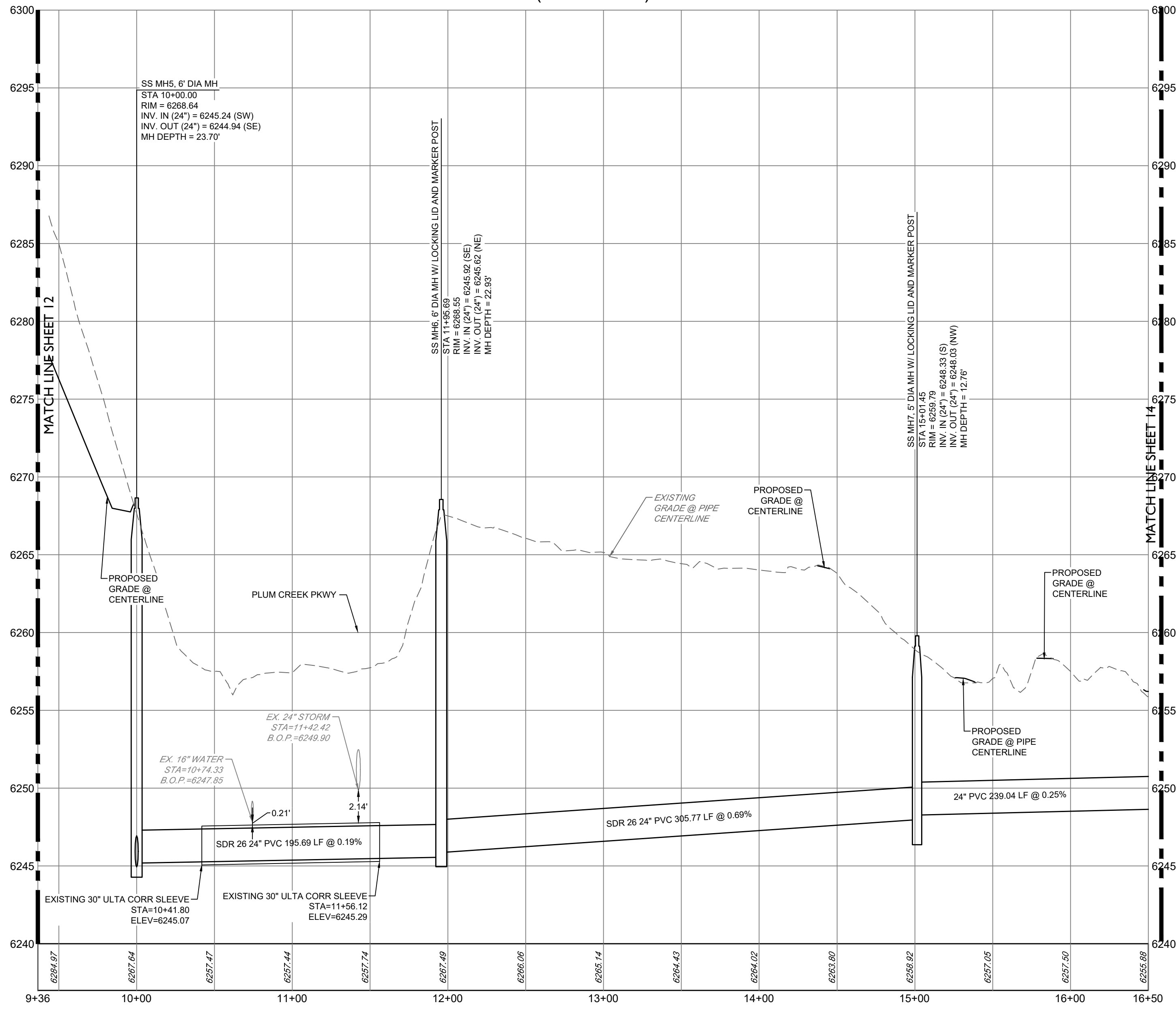
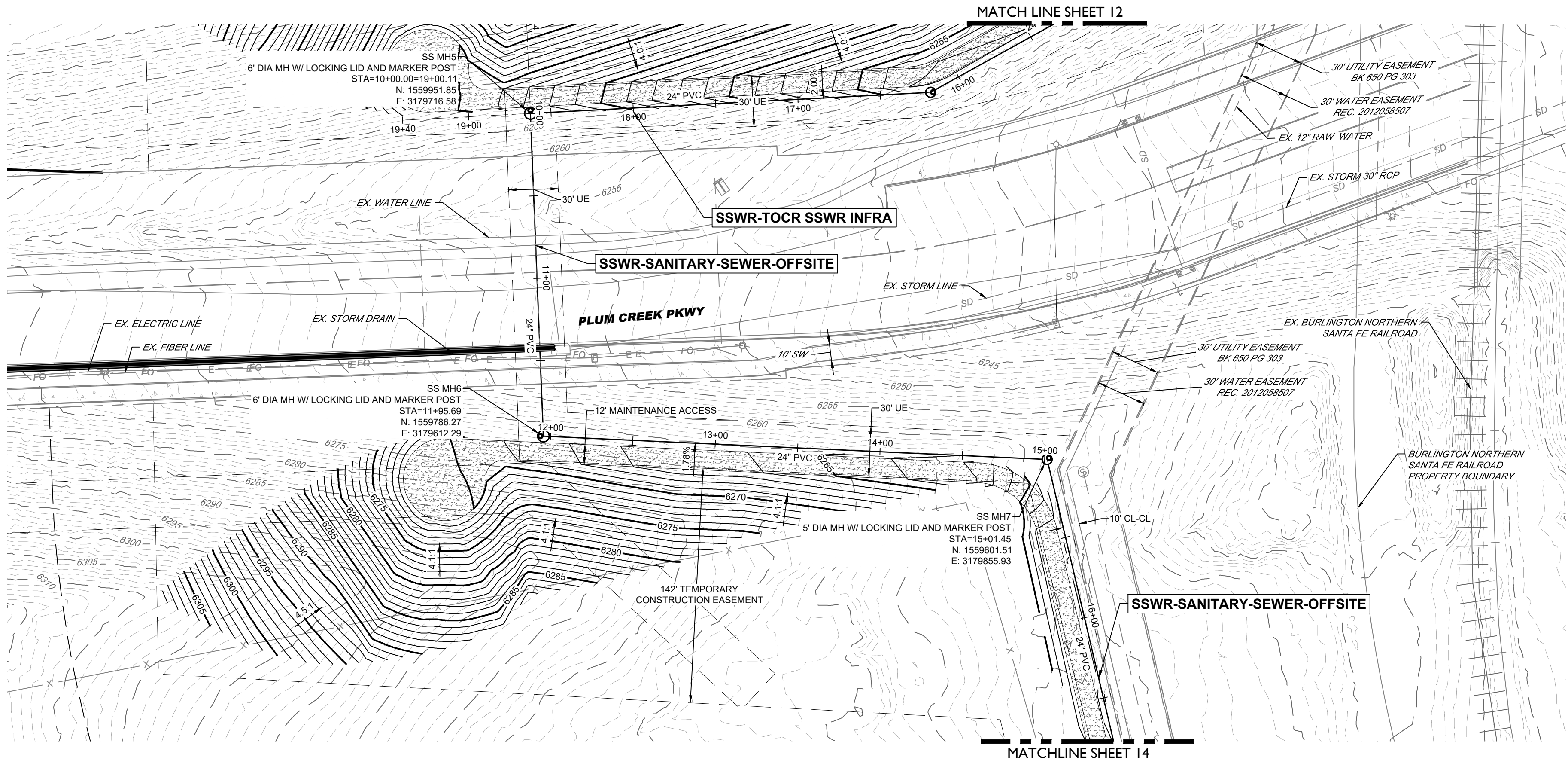
DAWSON TRAILS OFFSITE SANITARY SEWER
CASTLE ROCK, COLORADO
CONSTRUCTION DOCUMENTS
SANITARY P&P (2 OF 15)

DESIGNED BY: JB
DRAWN BY: MB
CHECKED BY: JF

JOB NO.
20-224
SHEET
12 OF 26

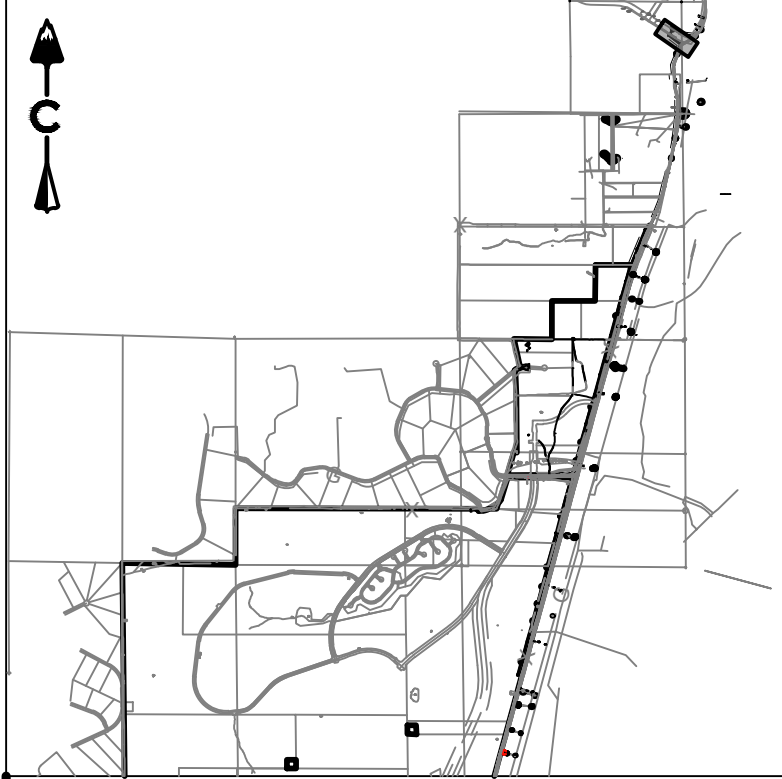
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- 2A. MANHOLES SHALL BE SIX-FOOT DIAMETER WITH AN EIGHT-FOOT DIAMETER BASE AND A 30" FRAME COVER.
- 2B. "RISER WRAP" TM AS MANUFACTURED BY PIPELINE SEAL AND INSULATOR, INC. (PSI) OR APPROVED EQUAL SHALL BE APPLIED TO EACH MANHOLE SECTION BEFORE IT IS SET IN PLACE. TO REDUCE SKIN FRICTION AND MITIGATE DIFFERENTIAL STRESSES ON THE MANHOLE.
- SEE VARIANCE #TCV23-21



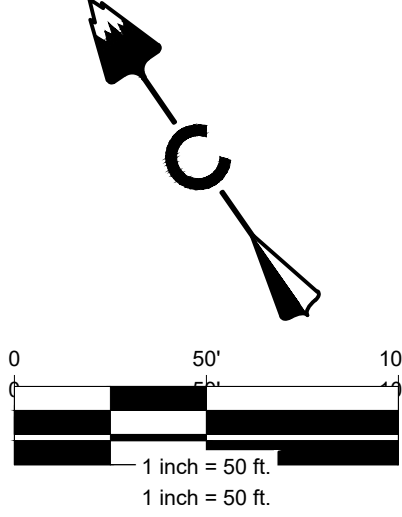
SSWR-SANITARY-SEWER-OFFSITE

(9+36-16+50)



KEY MAP

SCALE: 1" = 4500'



1 inch = 50 ft.

1 inch = 50 ft.

PROFILE

HORIZ: 1" = 50'

VERT: 1" = 10'

LEGEND

EASEMENT	RIGHT OF WAY (R.O.W.)
CENTERLINE	PROJECT BOUNDARY
PROPOSED CURB & GUTTER	PROPOSED SANITARY & STUB OUT
EXISTING SANITARY & STUB OUT	SANITARY SERVICE
WATER SERVICE	PROPOSED WATER & STUB OUT
EXISTING WATER & STUB OUT	PROPOSED STORM & STUB OUT
EXISTING STORM & STUB OUT	
SANITARY MANHOLES	SANITARY CLEAN OUT
CRUSHER FINES	MAINTENANCE ACCESS
BLOCK NUMBER	LIMITS OF CONSTRUCTION (LOC)
TOWN 100 YEAR FLOODPLAIN	

NOTES:

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- BENCHMARK**
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JOSEPH F. FERRIS
STATE OF COLORADO # 55846

TOWN APPROVAL BLOCK

TOWN OF CASTLE ROCK APPROVAL
PLANS ARE HEREBY APPROVED FOR ONE YEAR FROM DATE OF DEVELOPMENT SERVICES APPROVAL.

APPROVED BY:

DEVELOPMENT SERVICES DATE

CORE CONSULTANTS, INC.
3473 S. BROADWAY
DENVER, CO 80113
303.703.4444
LIVEYOURCORE.COM

CORE

Know what's below.
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#	REVISION DESCRIPTION	DATE	BY
1	1ST SUBMITTAL	12/22/22	KR
2	2ND SUBMITTAL	04/26/23	JF

DAWSON TRAILS OFFSITE SANITARY SEWER

CASTLE ROCK, COLORADO

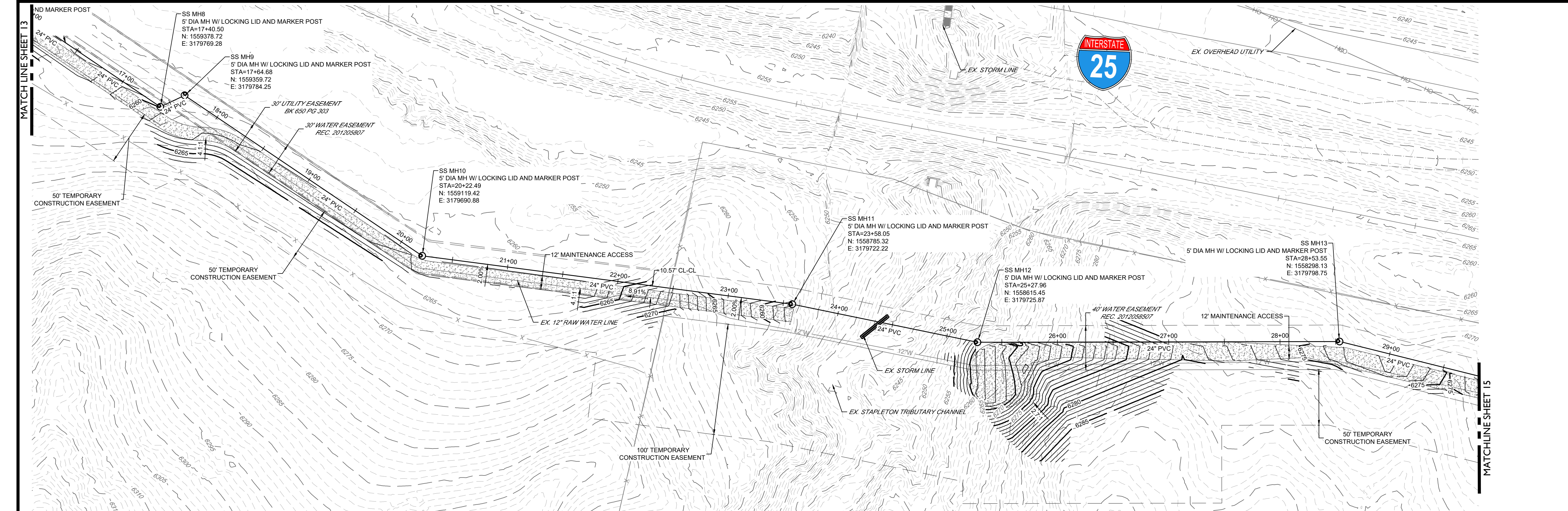
CONSTRUCTION DOCUMENTS

SANITARY P&P (3 OF 15)

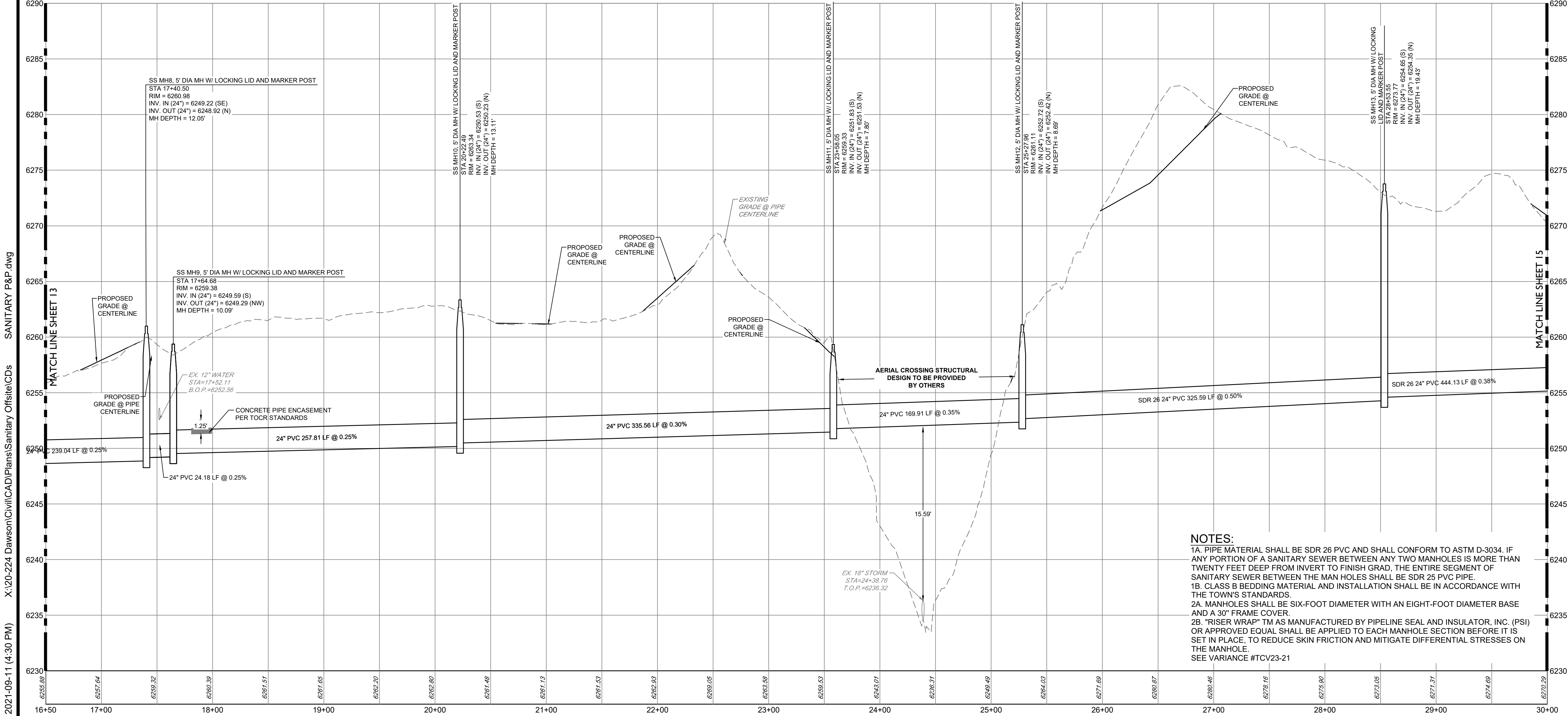
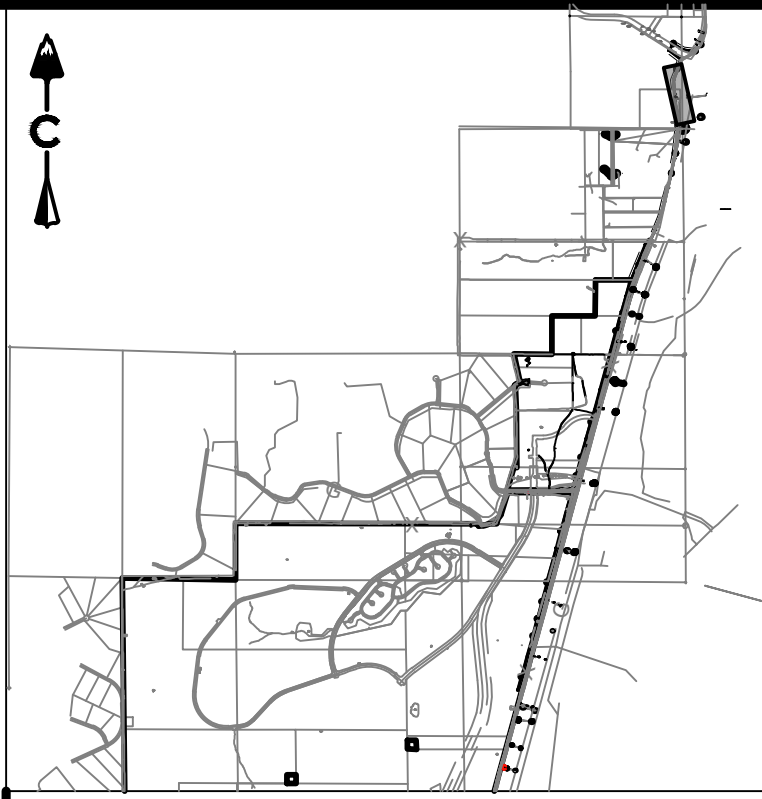
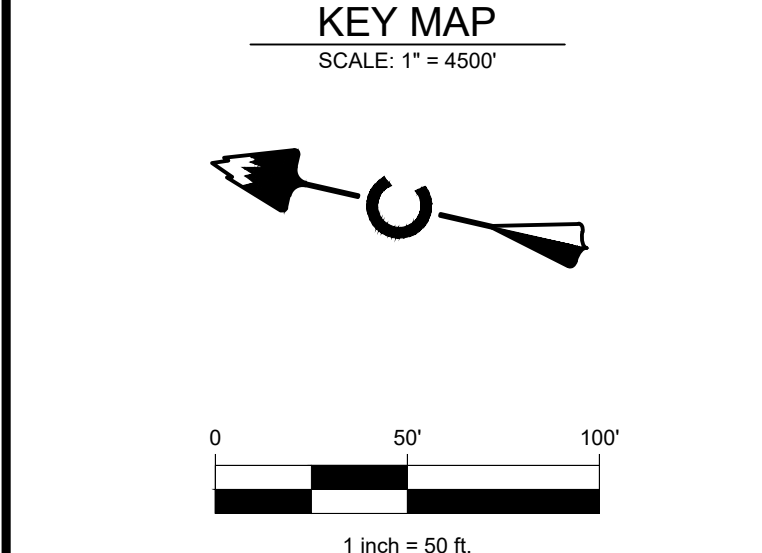


DESIGNED BY: JB
DRAWN BY: MB
CHECKED BY: JF

JOB NO.
20-224
SHEET
13 OF 26



SSWR-SANITARY-SEWER-OFFSITE
(16+50-30+00)



LEGEND	
	EASEMENT
	RIGHT OF WAY (R.O.W.)
	CENTERLINE
	PROJECT BOUNDARY
	PROPOSED CURB & GUTTER
	PROPOSED SANITARY & STUB OUT
	EXISTING SANITARY & STUB OUT
	SANITARY SERVICE
	WATER SERVICE
	PROPOSED WATER & STUB OUT
	EXISTING WATER & STUB OUT
	PROPOSED STORM & STUB OUT
	EXISTING STORM & STUB OUT
	SANITARY MANHOLES
	SANITARY CLEAN OUT
	CRUSHER FINES MAINTENANCE ACCESS
	BLOCK NUMBER
	LIMITS OF CONSTRUCTION (LOC)
	TOWN 100 YEAR FLOODPLAIN

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STATE OF COLORADO # 55846

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TOWN OF CASTLE ROCK APPROVAL
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APPROVED BY: _____
DESIGNED BY: JB
DRAWN BY: MB
CHECKED BY: JF

DEVELOPMENT SERVICES DATE

CORE CONSULTANTS, INC.
3473 S. BROADWAY
DENVER, CO 80113
303.703.4444
LIVEYOURCORE.COM

CORE

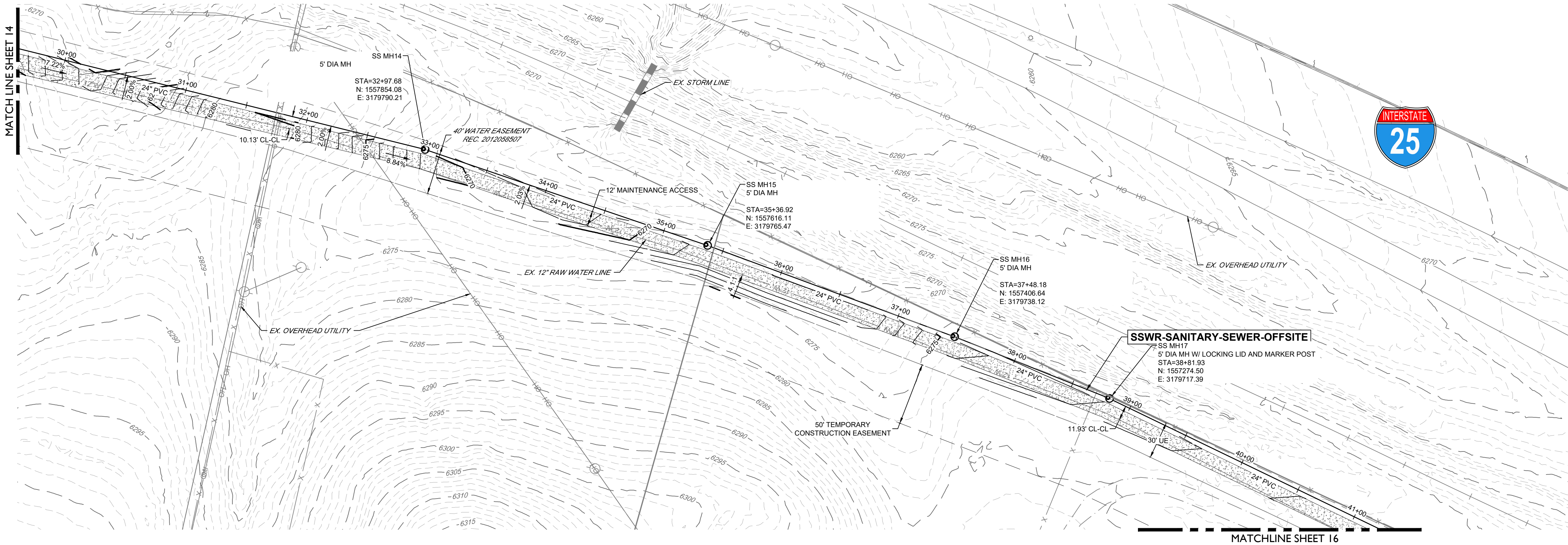
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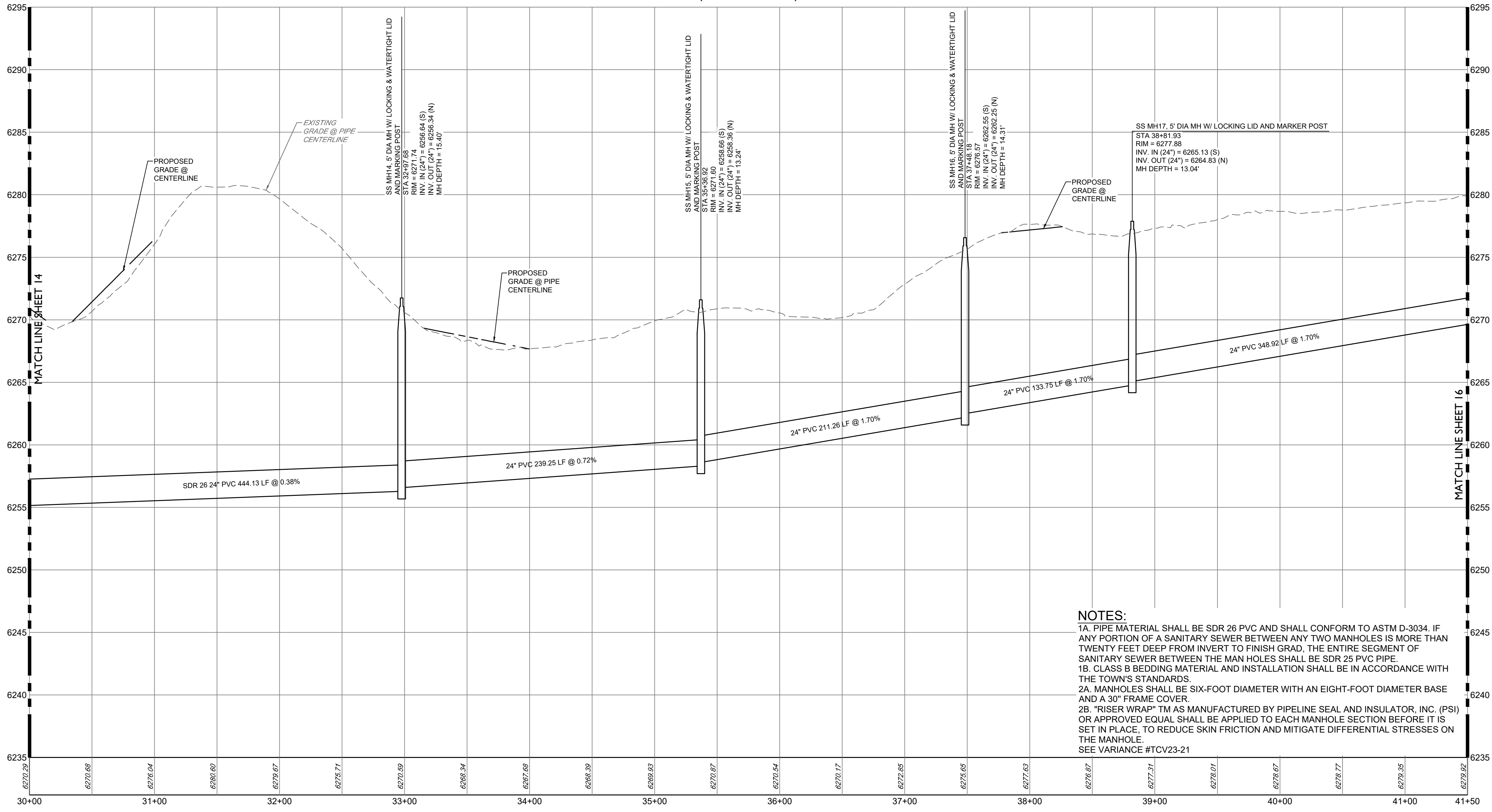
DAWSON TRAILS OFFSITE SANITARY SEWER
CASTLE ROCK, COLORADO
CONSTRUCTION DOCUMENTS
SANITARY P&P (4 OF 15)

DESIGNED BY: JB
DRAWN BY: MB
CHECKED BY: JF

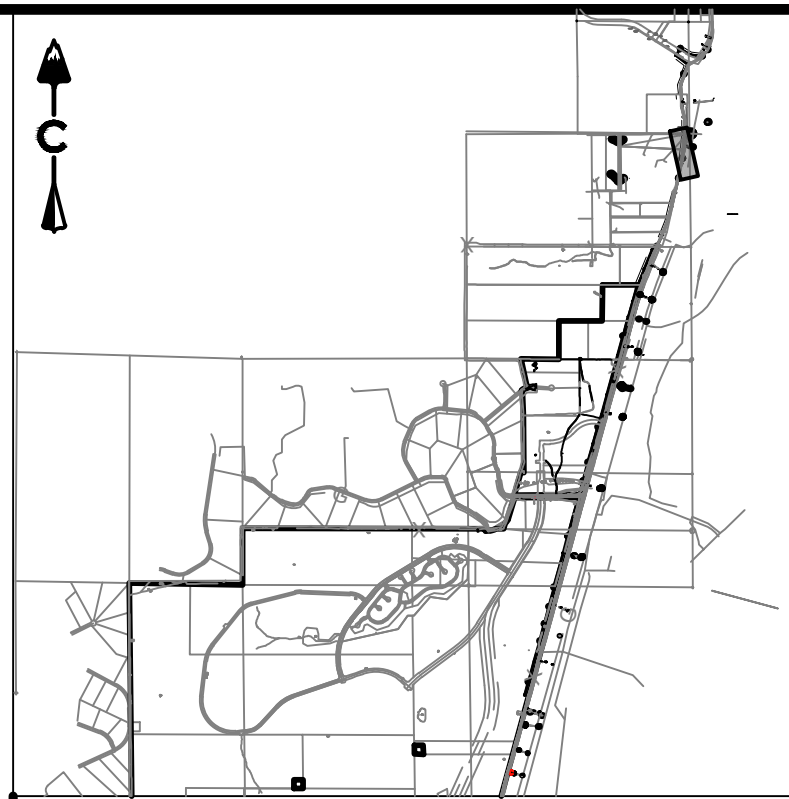
JOB NO.
20-224
SHEET
14 OF 26



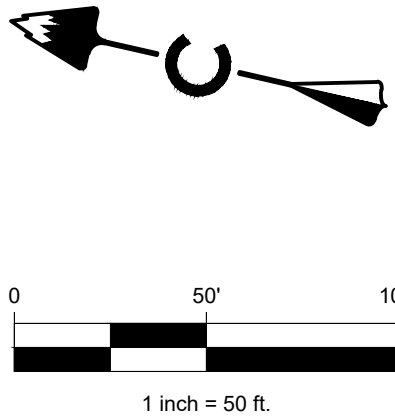
SSWR-SANITARY-SEWER-OFFSITE
(30+00-41+50)



NOTES:
1A. PIPE MATERIAL SHALL BE SDR 26 PVC AND SHALL CONFORM TO ASTM D-3034. IF ANY PORTION OF A SANITARY SEWER BETWEEN ANY TWO MANHOLES IS MORE THAN TWENTY FEET DEEP FROM INVERT TO FINISH GRAD, THE ENTIRE SEGMENT OF SANITARY SEWER BETWEEN THE MAN HOLES SHALL BE SDR 25 PVC PIPE.
1B. CLASS B BEDDING MATERIAL AND INSTALLATION SHALL BE IN ACCORDANCE WITH THE TOWN'S STANDARDS
2A. MANHOLES SHALL BE SIX-FOOT DIAMETER WITH AN EIGHT-FOOT DIAMETER BASE AND A 30" FRAME COVER.
2B. "RISER WRAP"™ AS MANUFACTURED BY PIPELINE SEAL AND INSULATOR, INC. (PSI) OR APPROVED EQUAL SHALL BE APPLIED TO EACH MANHOLE SECTION BEFORE IT IS SET IN PLACE, TO REDUCE SKIN FRICTION AND MITIGATE DIFFERENTIAL STRESSES ON THE MANHOLE
SEE VARIANCE #TCV23-21



KEY MAP
SCALE: 1" = 4500'



PROFILE
HORIZ: 1" = 50'
VERT: 1" = 10'

LEGEND

EASEMENT	RIGHT OF WAY (R.O.W.)
CENTERLINE	PROJECT BOUNDARY
PROPOSED CURB & GUTTER	PROPOSED SANITARY & STUB OUT
EXISTING SANITARY & STUB OUT	SANITARY SERVICE
WATER SERVICE	PROPOSED WATER & STUB OUT
EXISTING WATER & STUB OUT	PROPOSED STORM & STUB OUT
EXISTING STORM & STUB OUT	SANITARY MANHOLES
SANITARY CLEAN OUT	CRUSHER FINES
MAINTENANCE ACCESS	BLOCK NUMBER
LIMITS OF CONSTRUCTION (LOC)	TOWN 100 YEAR FLOODPLAIN

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APPROVED BY:

DESIGNED BY: JB
DRAWN BY: MB
CHECKED BY: JF

JOB NO.
20-224
SHEET
15 OF 26

CORE CONSULTANTS, INC.
34733 S. BROADWAY
DENVER, CO 80113
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LAND DEVELOPMENT
ENERGY
PUBLIC INFRASTRUCTURE

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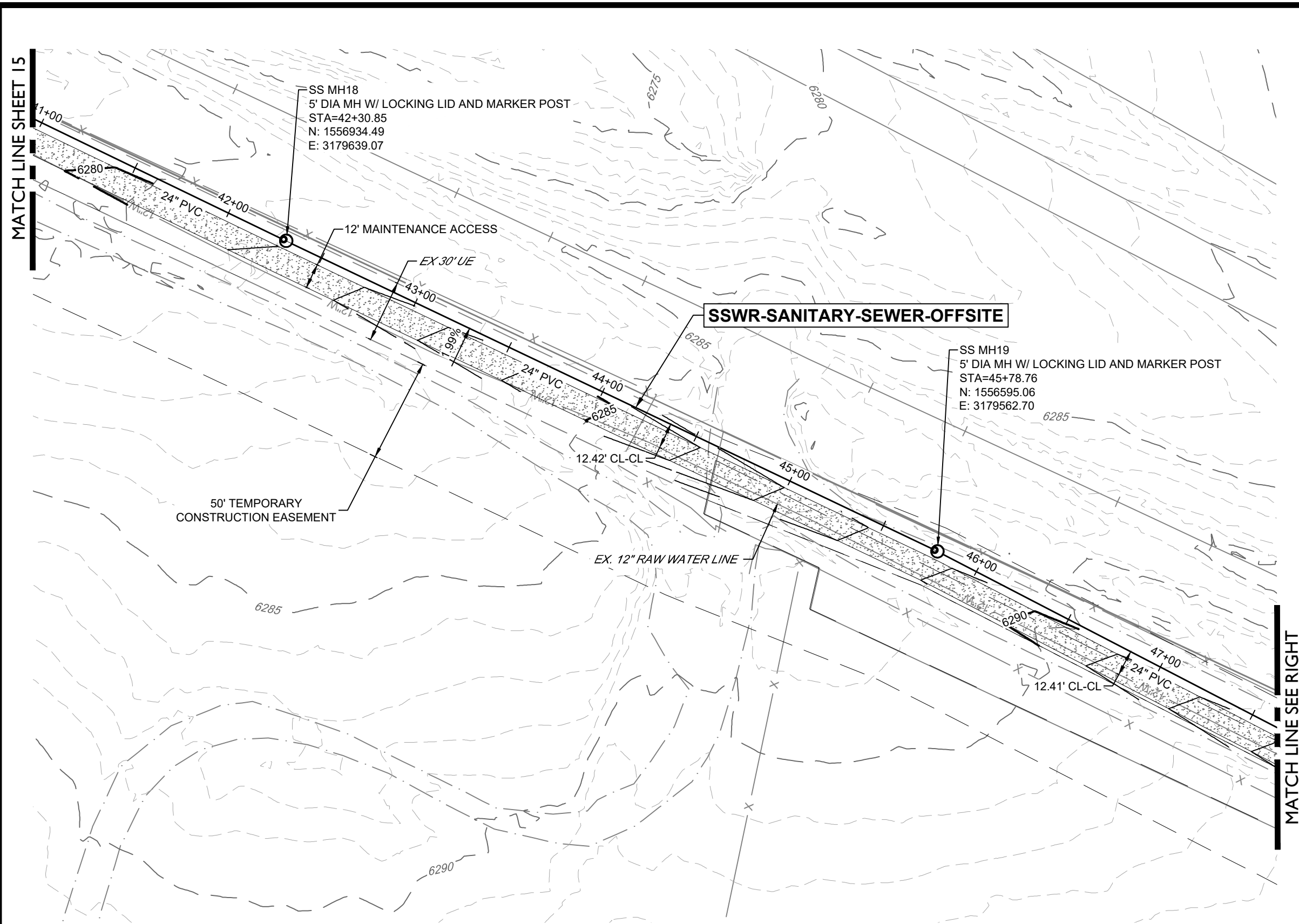
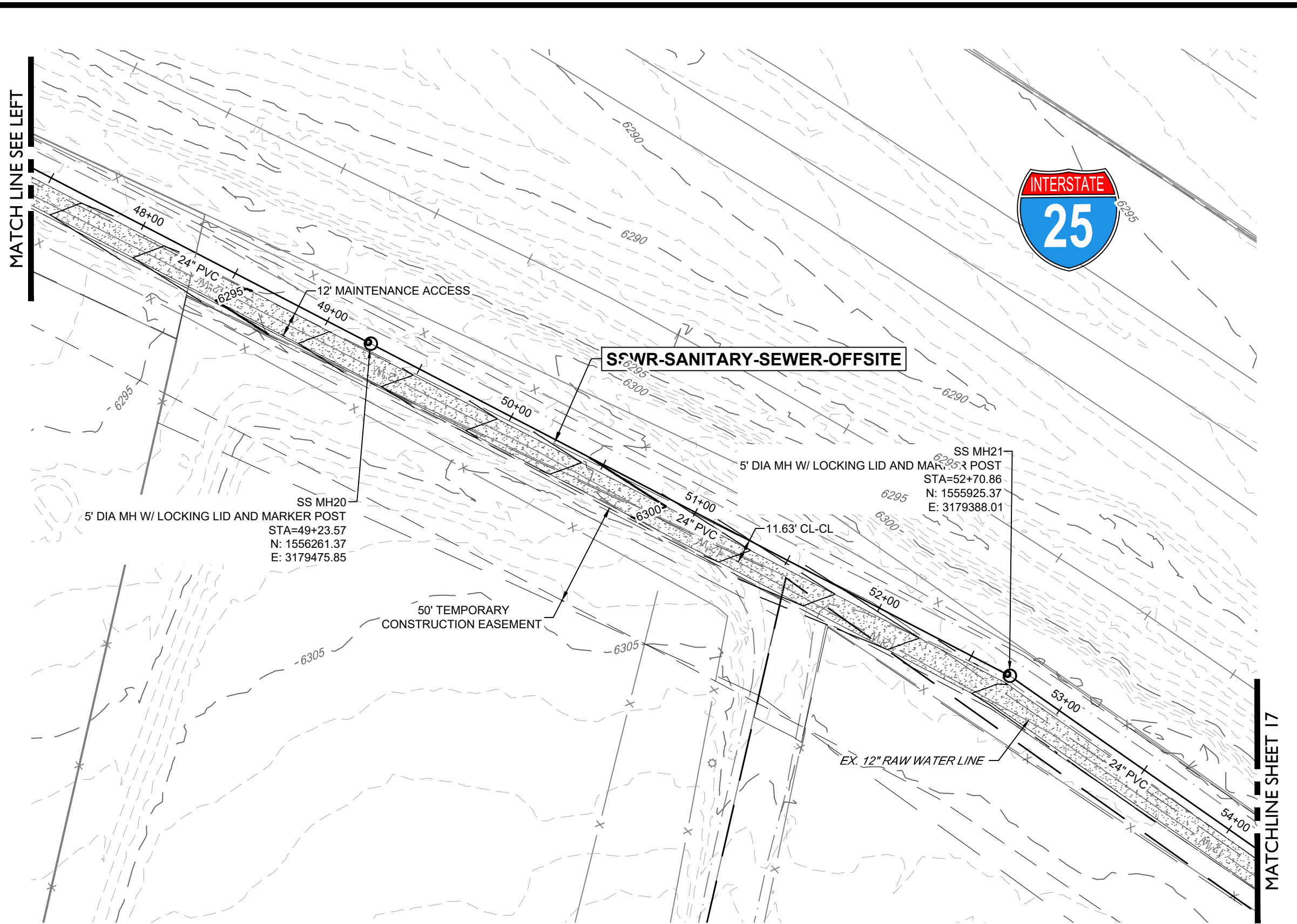
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2	2ND SUBMITTAL	04/26/23	JF

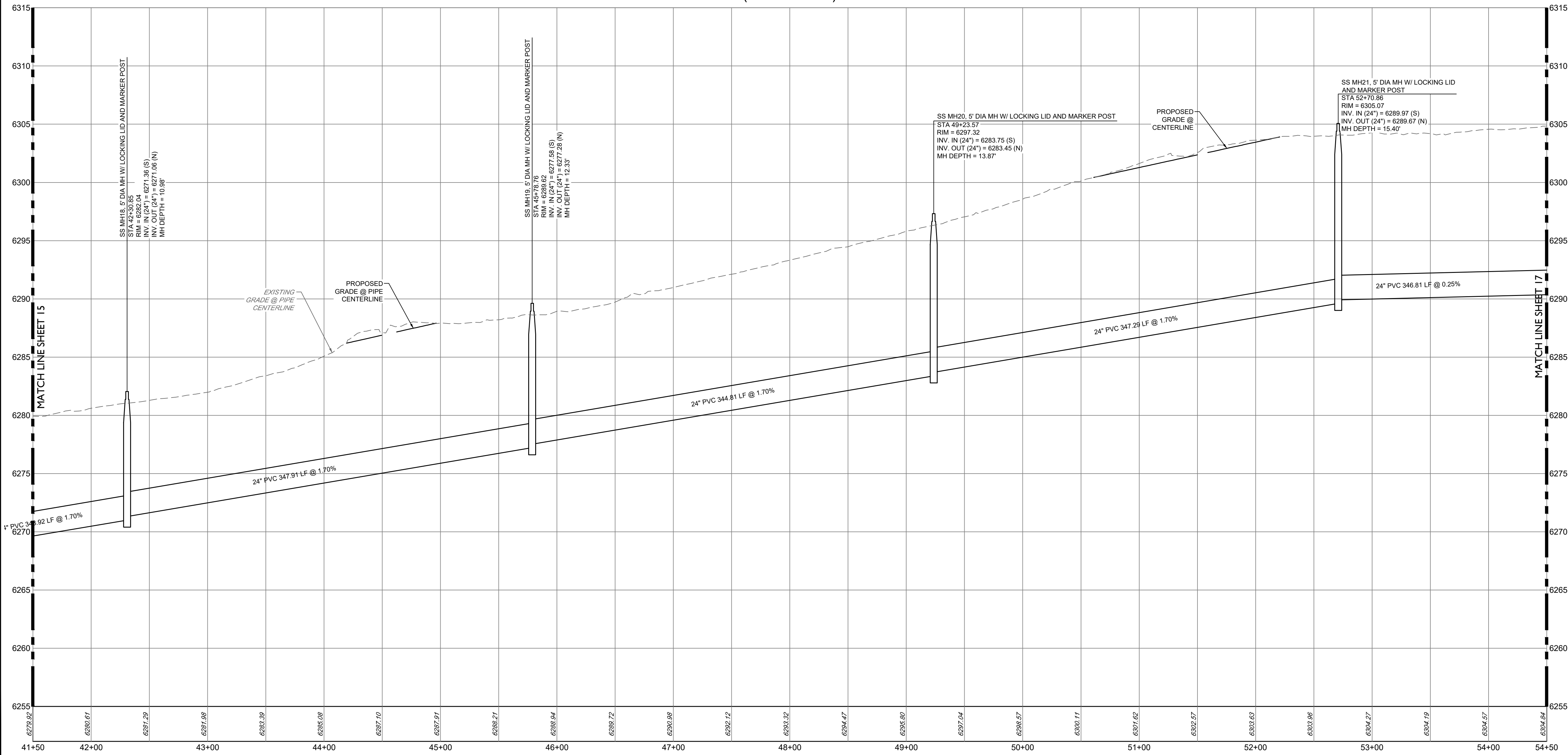
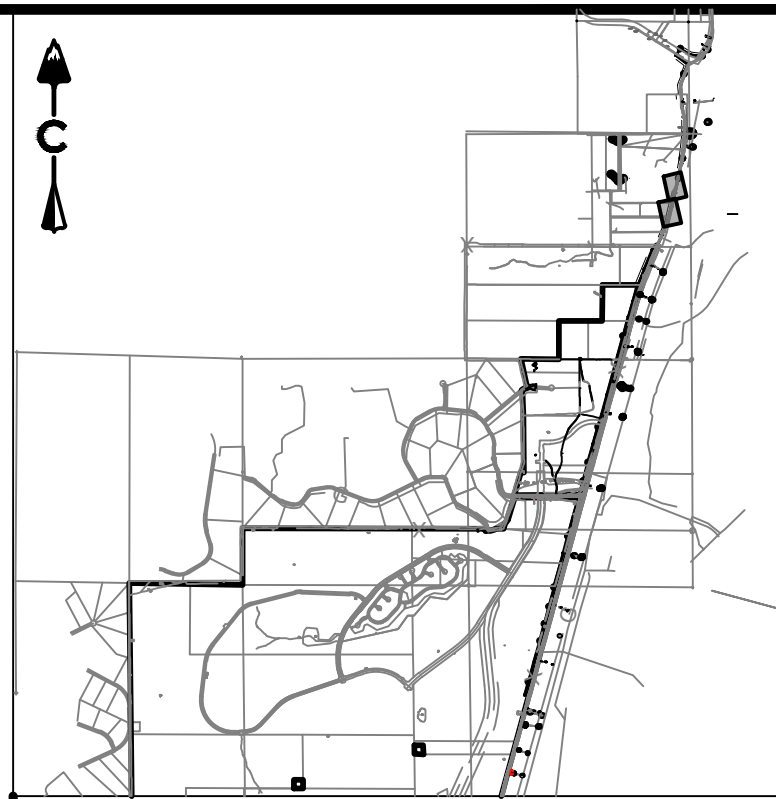
DAWSON TRAILS OFFSITE SANITARY SEWER
CASTLE ROCK, COLORADO
CONSTRUCTION DOCUMENTS
SANITARY P&P (5 OF 15)

DESIGNED BY: JB
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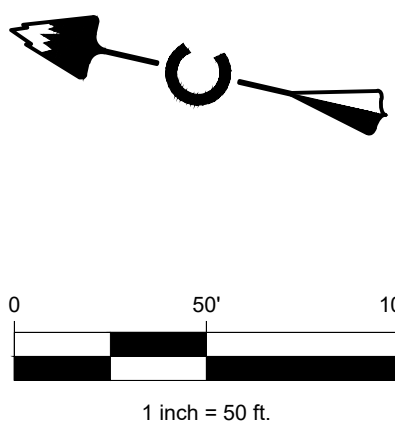
JOB NO.
20-224
SHEET
15 OF 26



SSWR-SANITARY-SEWER-OFFSITE
(41+50-54+50)



KEY MAP
SCALE: 1" = 4500'



PROFILE
HORIZ: 1" = 50'
VERT: 1" = 10'

LEGEND

EASEMENT	RIGHT OF WAY (R.O.W.)
CENTERLINE	PROJECT BOUNDARY
PROPOSED CURB & GUTTER	PROPOSED SANITARY & STUB OUT
EXISTING SANITARY & STUB OUT	SANITARY SERVICE
WATER SERVICE	PROPOSED WATER & STUB OUT
EXISTING WATER & STUB OUT	PROPOSED STORM & STUB OUT
EXISTING STORM & STUB OUT	
SANITARY MANHOLES	
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CRUSHER FINES MAINTENANCE ACCESS	
BLOCK NUMBER	
LIMITS OF CONSTRUCTION (LOC)	
TOWN 100 YEAR FLOODPLAIN	

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CORE



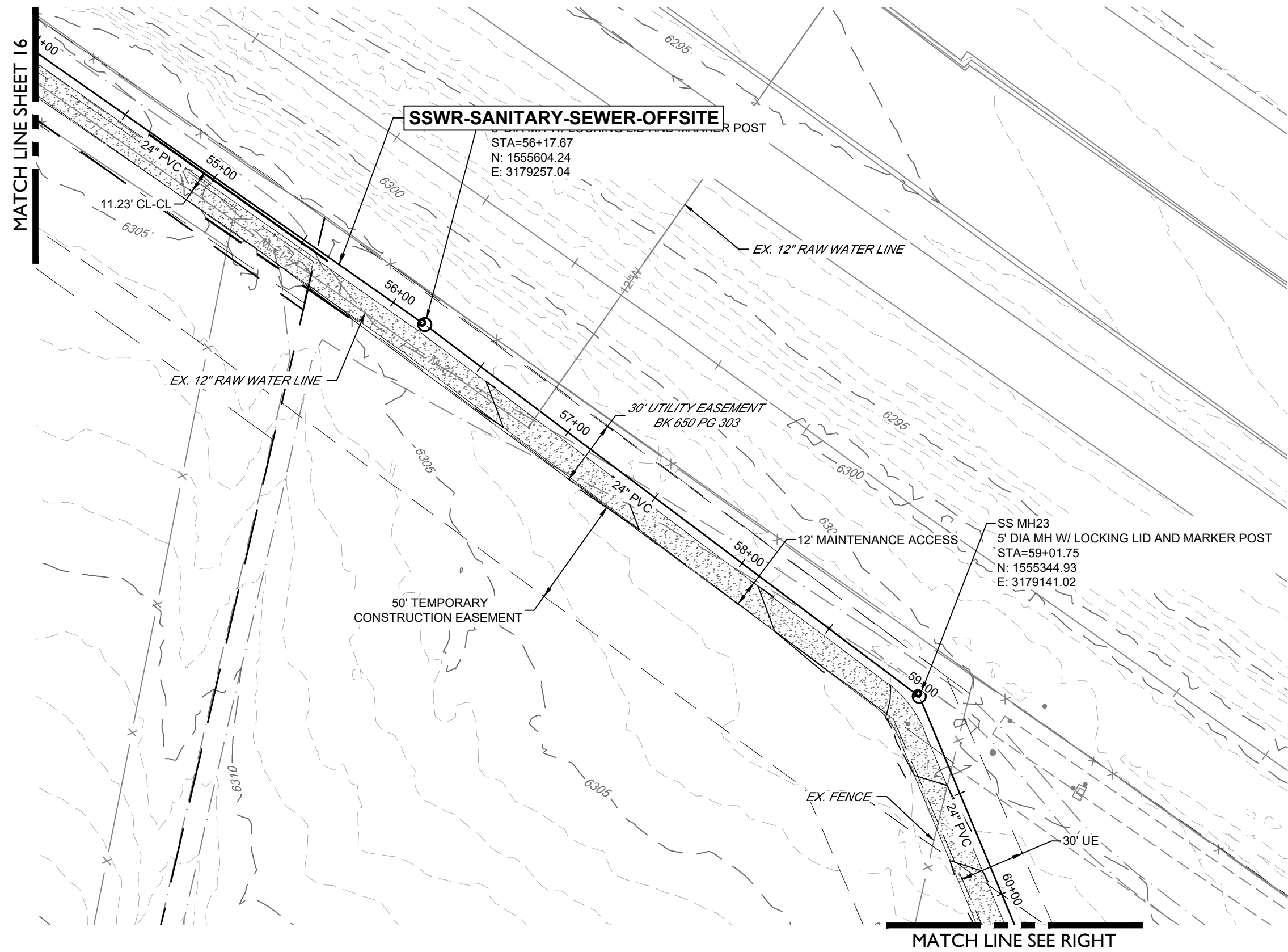
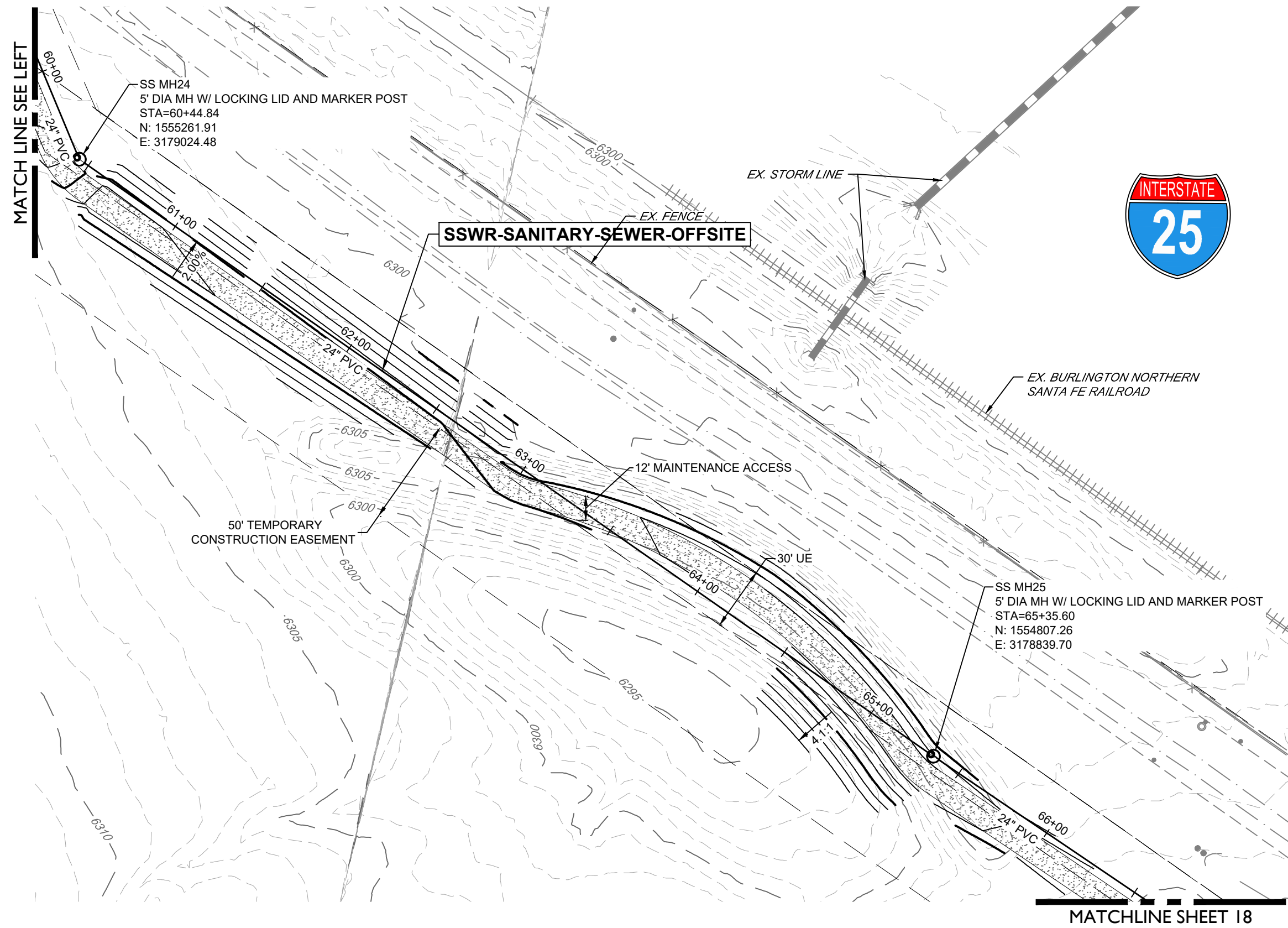
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1	1ST SUBMITTAL	12/22/22	RR
2	2ND SUBMITTAL	04/26/23	JF

DAWSON TRAILS OFFSITE SANITARY SEWER
CASTLE ROCK, COLORADO
CONSTRUCTION DOCUMENTS
SANITARY P&P (6 OF 15)

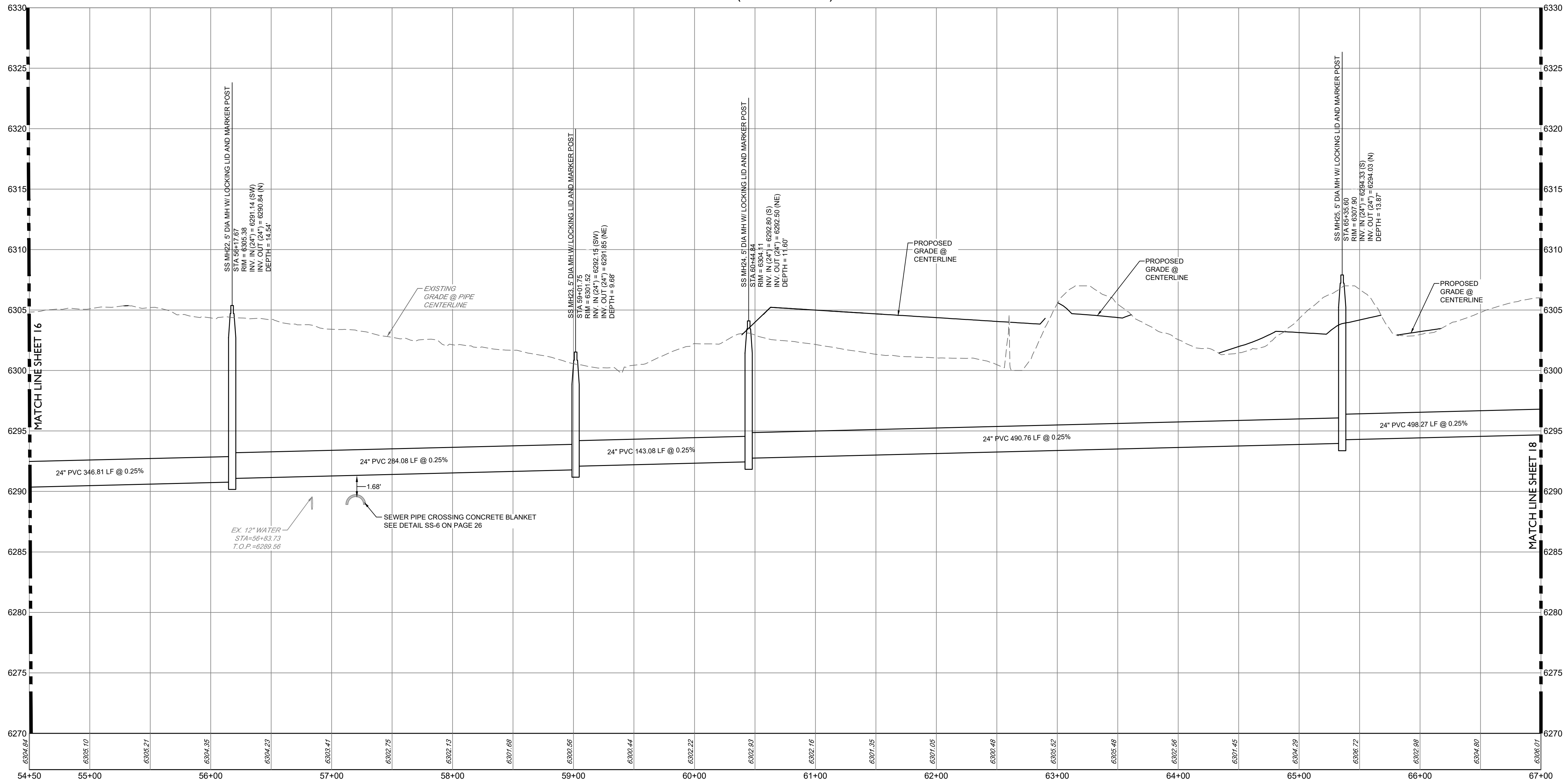
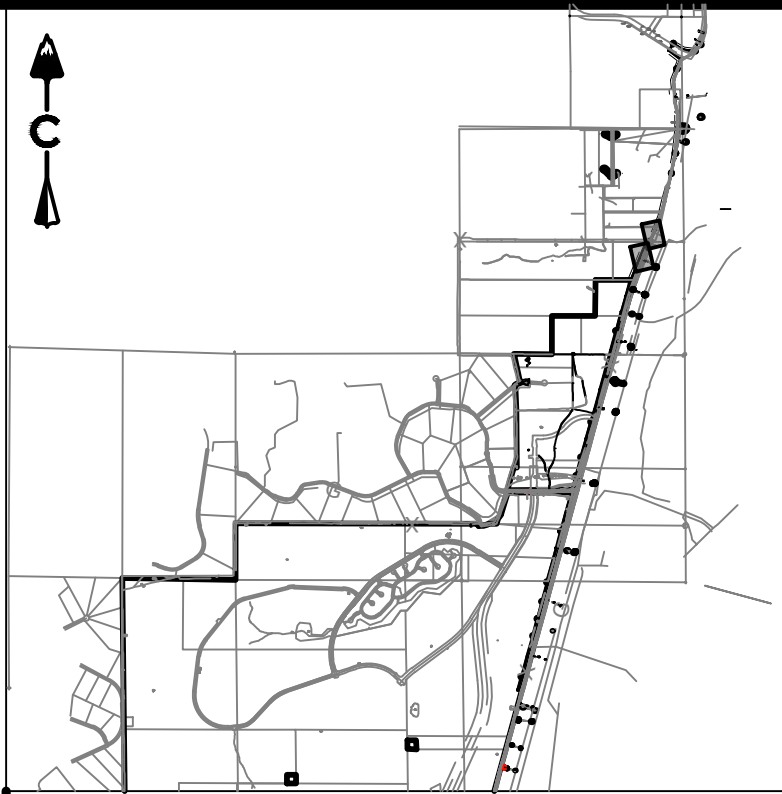


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CHECKED BY: JF

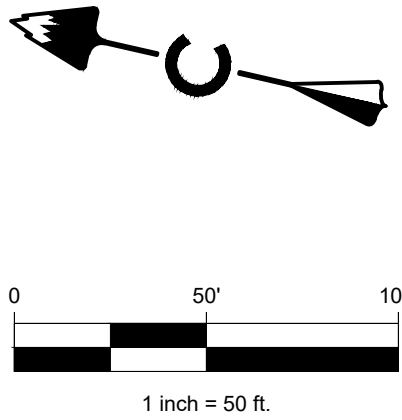
JOB NO.
20-224
SHEET
16 OF 26



SSWR-SANITARY-SEWER-OFFSITE
(54+50-67+00)



KEY MAP
SCALE: 1" = 450'



PROFILE
HORIZ: 1" = 50'
VERT: 1" = 10'

LEGEND

	EASEMENT
	RIGHT OF WAY (R.O.W.)
	CENTERLINE
	PROJECT BOUNDARY
	PROPOSED CURB & GUTTER
	PROPOSED SANITARY & STUB OUT
	EXISTING SANITARY & STUB OUT
	SANITARY SERVICE
	WATER SERVICE
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	BLOCK NUMBER
	LIMITS OF CONSTRUCTION (LOC)
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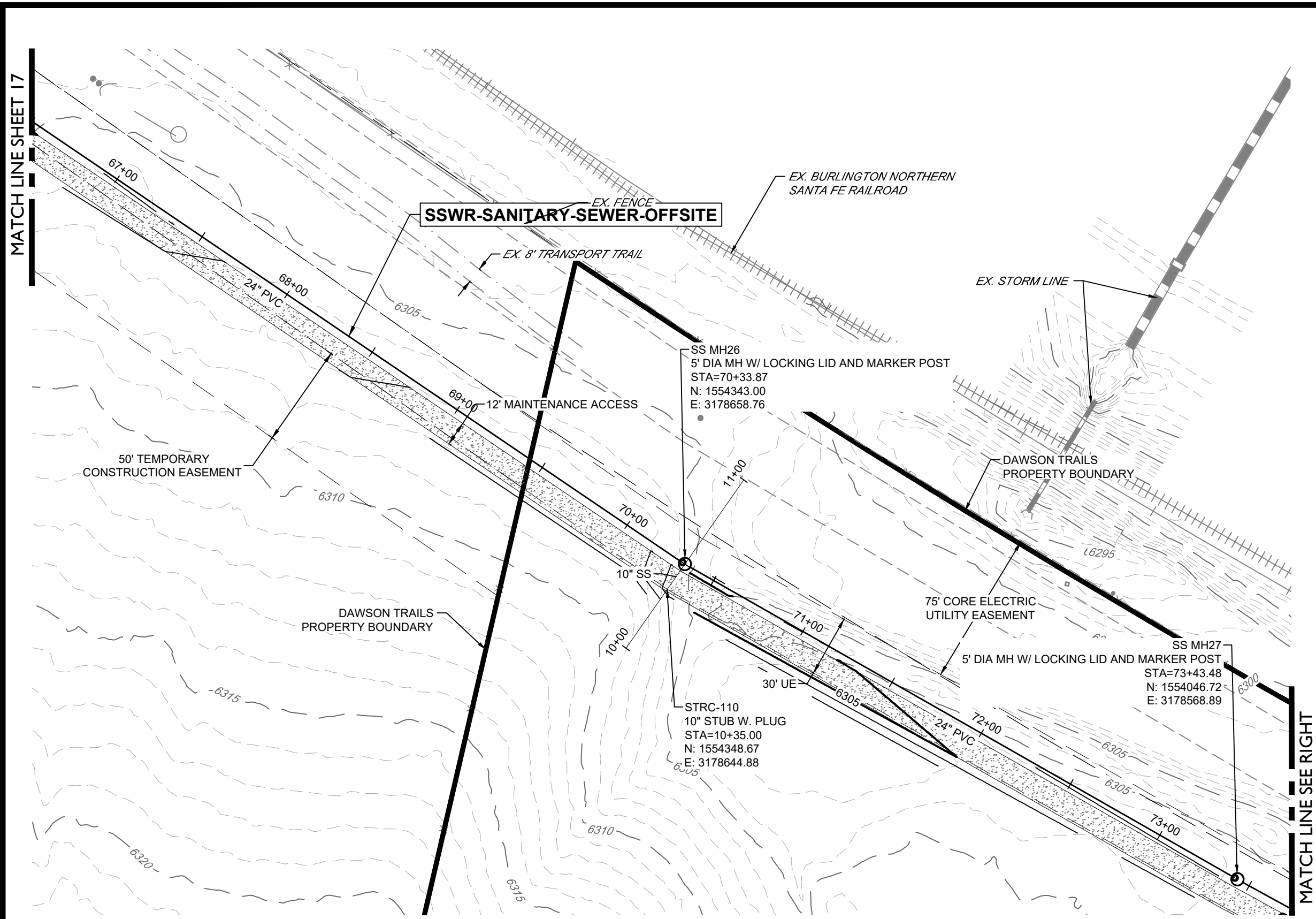
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SANITARY P&P (7 OF 15)

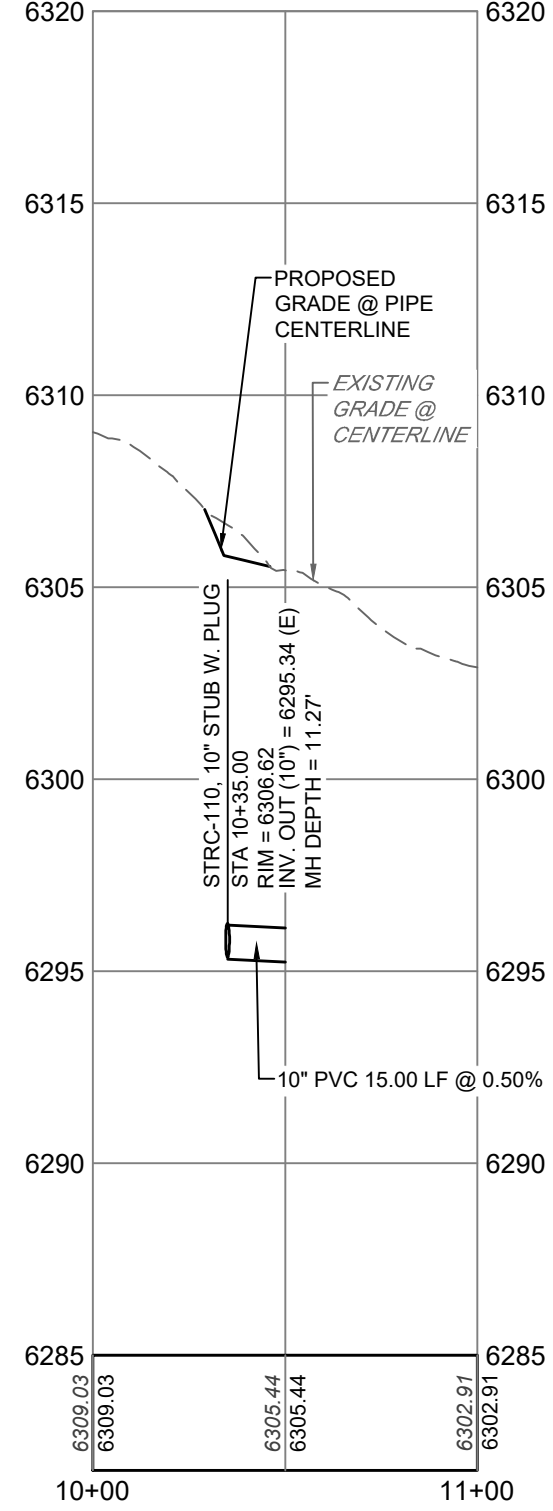
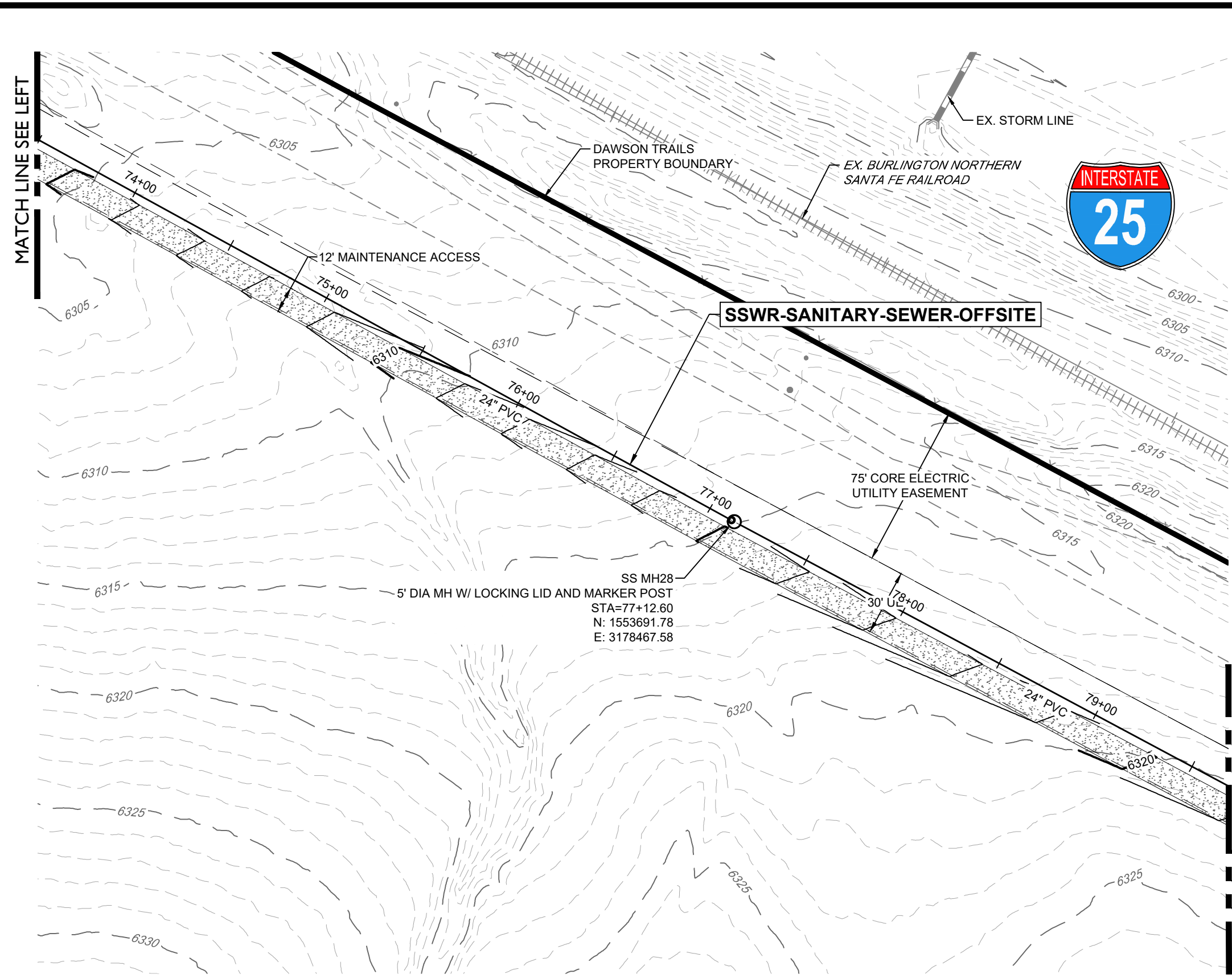


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CHECKED BY: JF

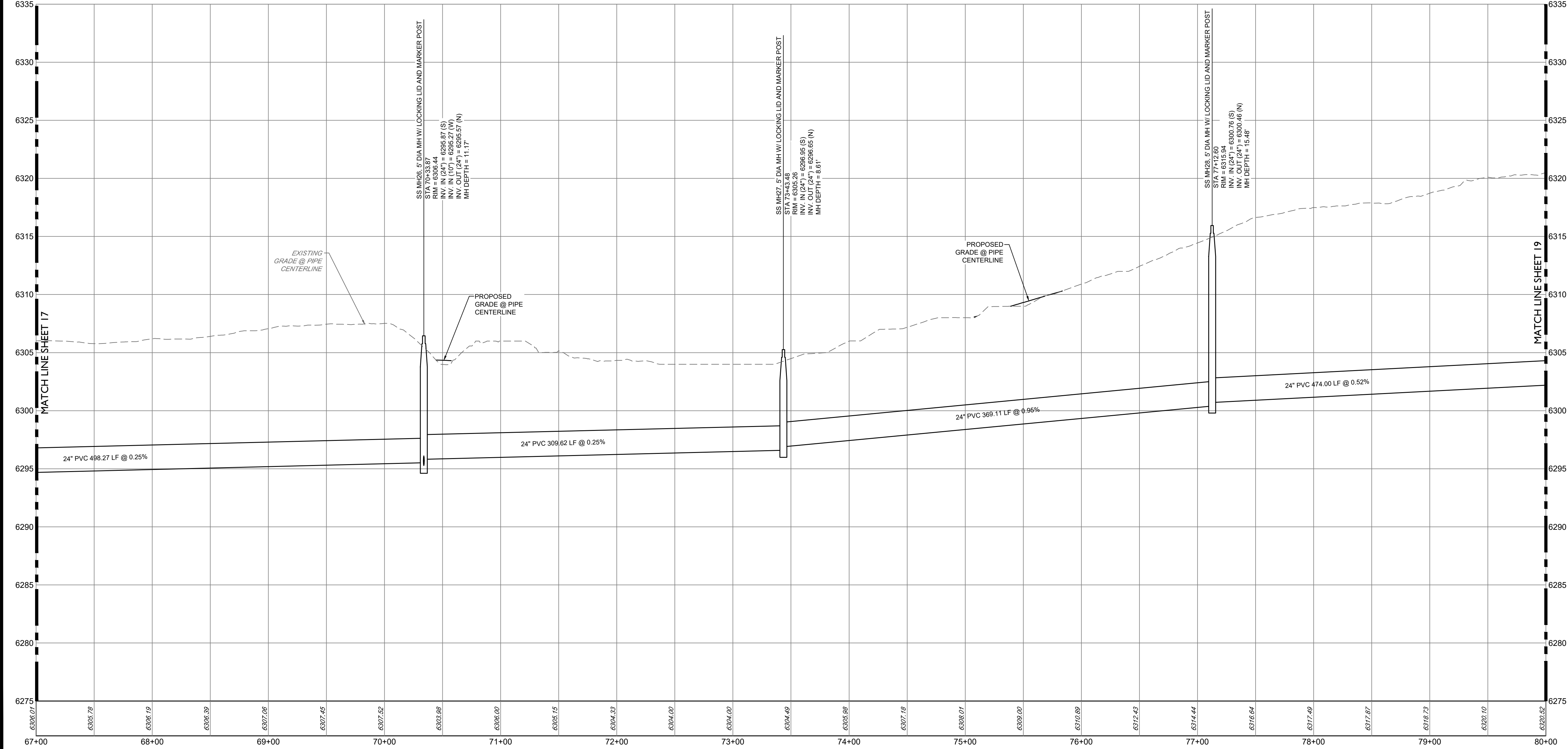
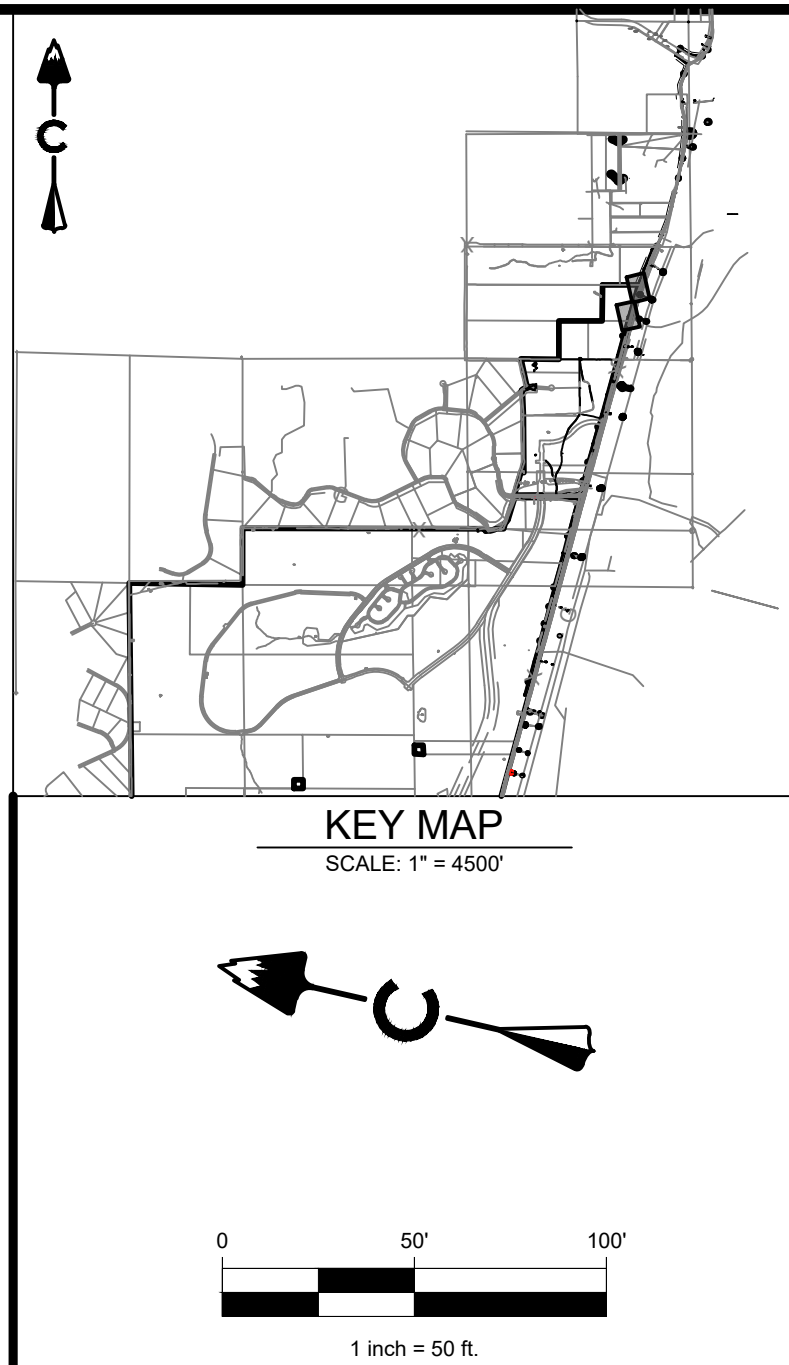
JOB NO.
20-224
SHEET
17 OF 26



SAN STUB A (10+00-11+00)



SSWR-SANITARY-SEWER-OFFSITE (67+00-80+00)



PROFILE	
HORIZ: 1" = 50'	
VERT: 1" = 10'	
LEGEND	
	EASEMENT
	RIGHT OF WAY (R.O.W.)
	CENTERLINE
	PROJECT BOUNDARY
	PROPOSED CURB & GUTTER
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- THE ELEVATION AND CONTOURS SHOWN HEREON ARE BASED UPON NGS STATION X 398 (PD RK1331), BEING A STANDARD NGS STEEL DEEPROD, WITH A PUNCHMARK, IN A STANDARD NGS LOGO CAP SET IN A CONCRETE SLEEVE, FLUSH TO THE GROUND. MONUMENT LIES 0.25 MI SOUTH OF THE INTERSECTION OF DOUGLAS LANE LEADING EAST, 121.1 FT EAST OF THE CENTERLINE OF THE NORTHBOUND LANES OF INTERSTATE 25, 86.6 FT SOUTH OF THE CENTER OF A PRIVATE DRIVE LEADING EAST TO A FRAME HOUSE, 38.1 FT EAST OF THE CENTERLINE OF THE EAST FRONTAGE ROAD OF INTERSTATE 25, 5.6 FT NORTH OF A UTILITY POLE, ABOUT LEVEL WITH THE HIGHWAY, AND 1 FT WEST OF A FIBERGLASS WITNESS POST AND SHEEP FENCE. PUBLISHED ELEVATION = 6355.09' NAVD88.

BENCHMARK

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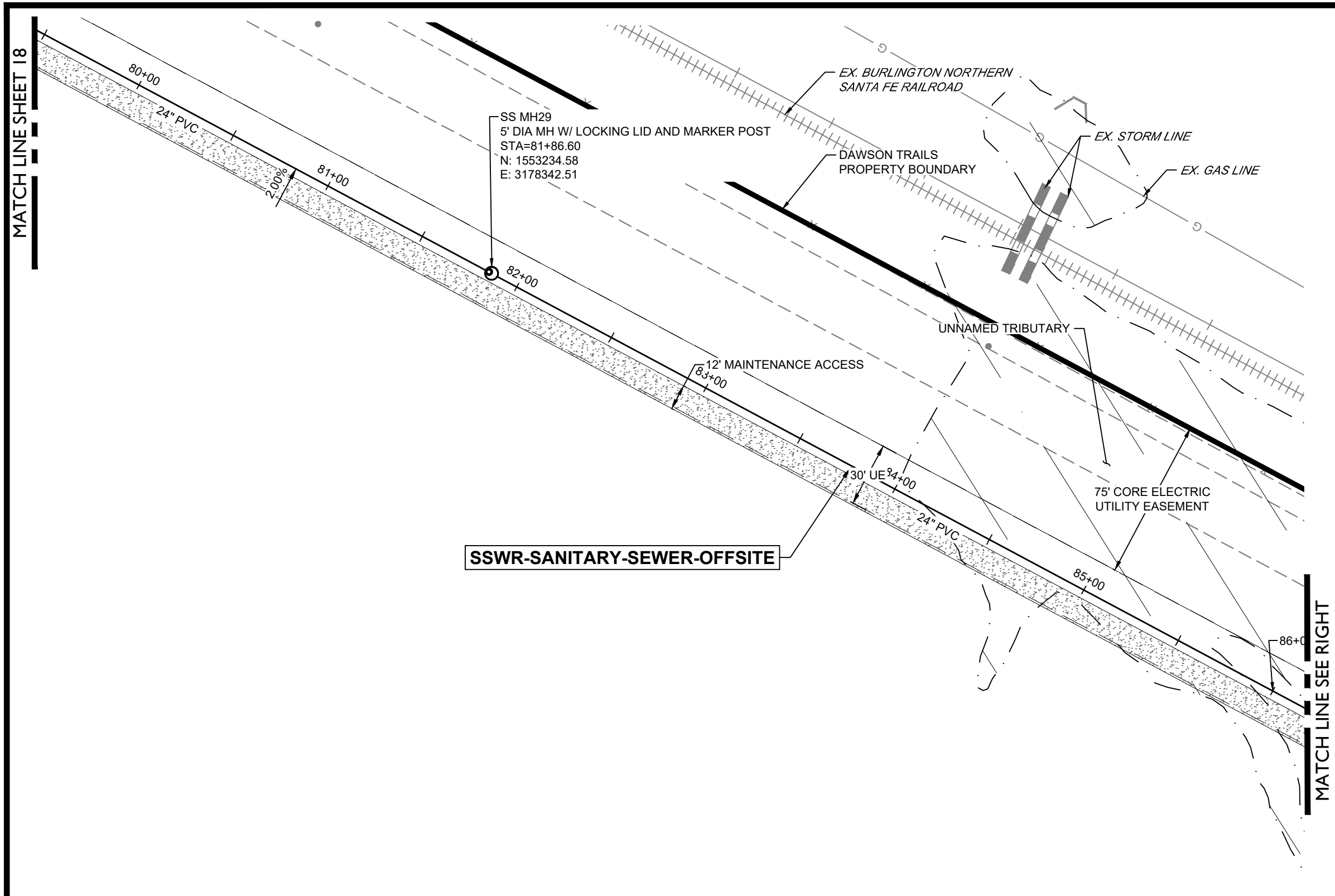
JOSEPH F. FERRIS
STATE OF COLORADO # 55846

TOWN APPROVAL BLOCK

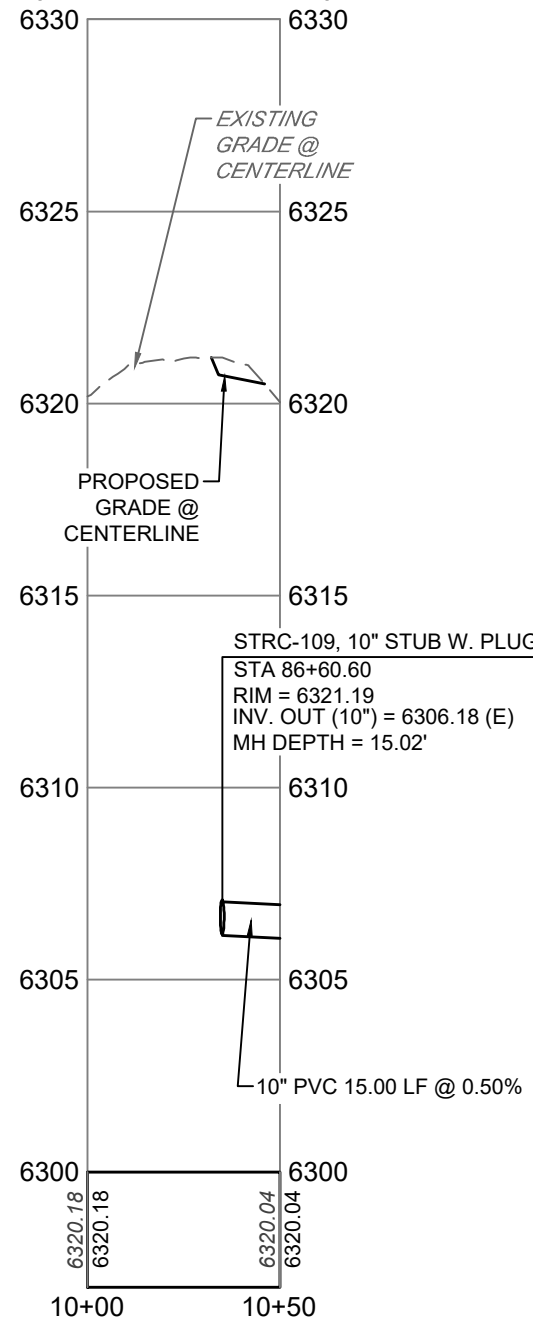
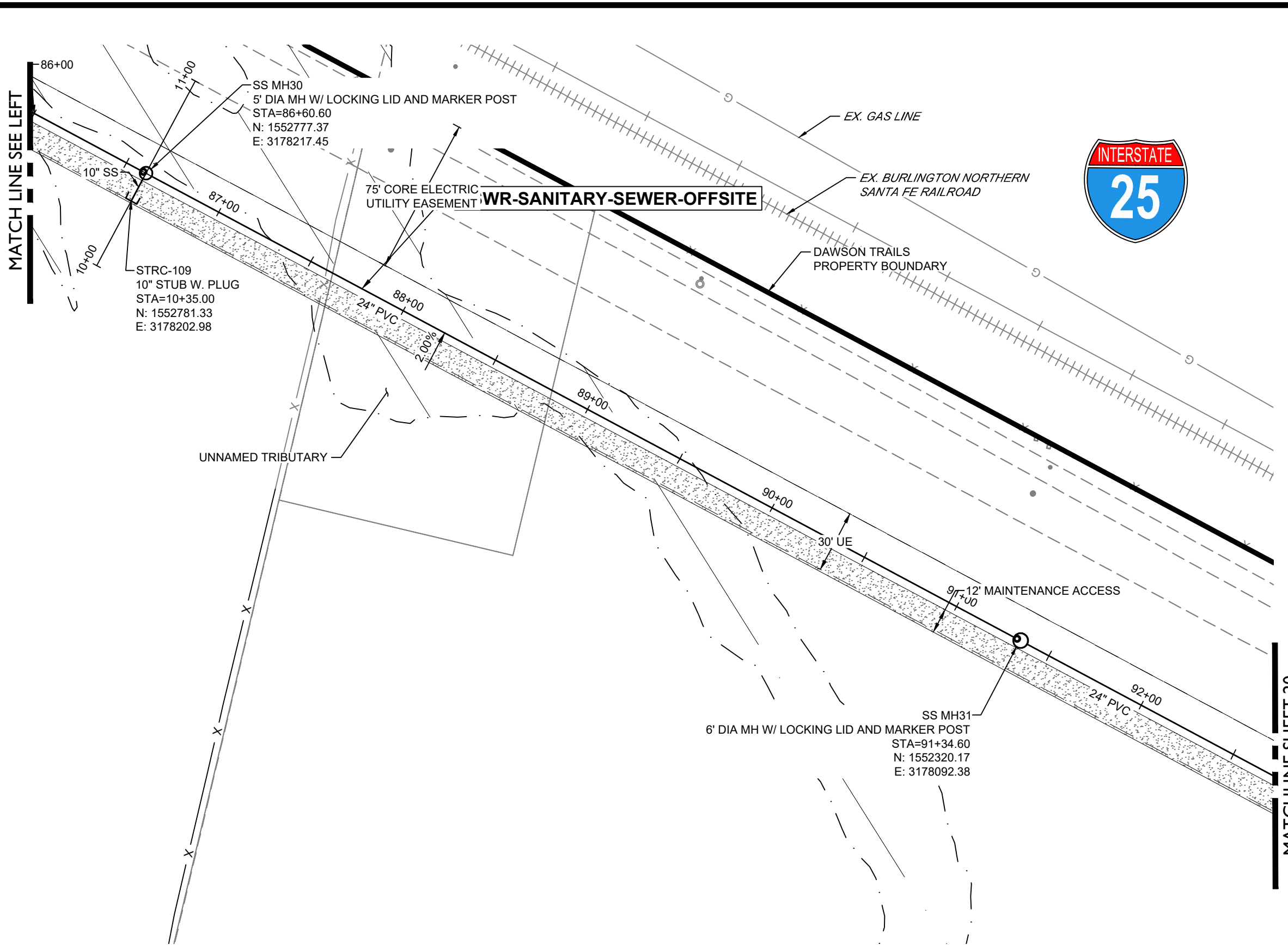
TOWN OF CASTLE ROCK APPROVAL
PLANS ARE HEREBY APPROVED FOR ONE YEAR FROM DATE OF DEVELOPMENT SERVICES APPROVAL.

APPROVED BY:

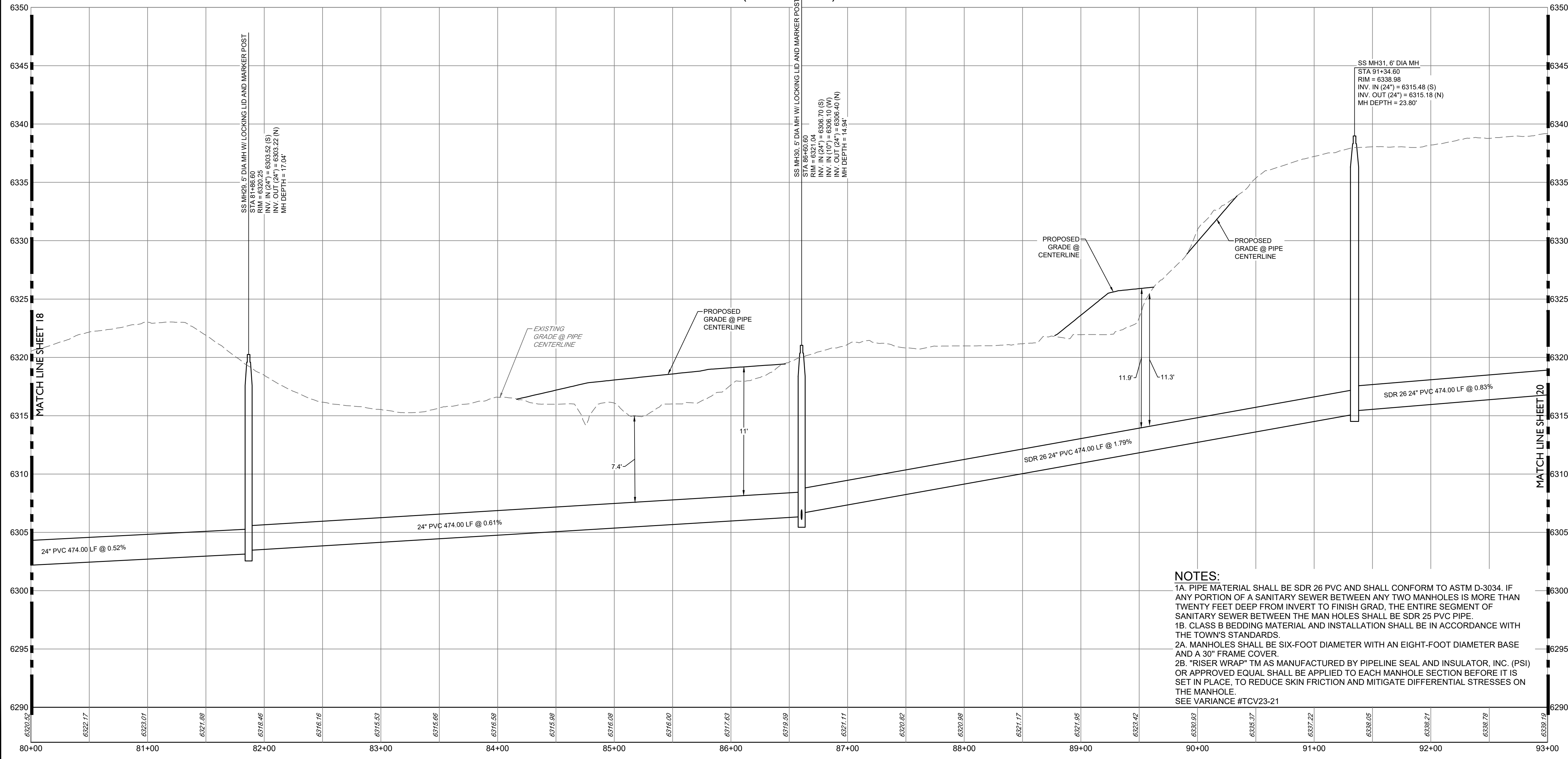
DEVELOPMENT SERVICES DATE

**SAN STUB B**

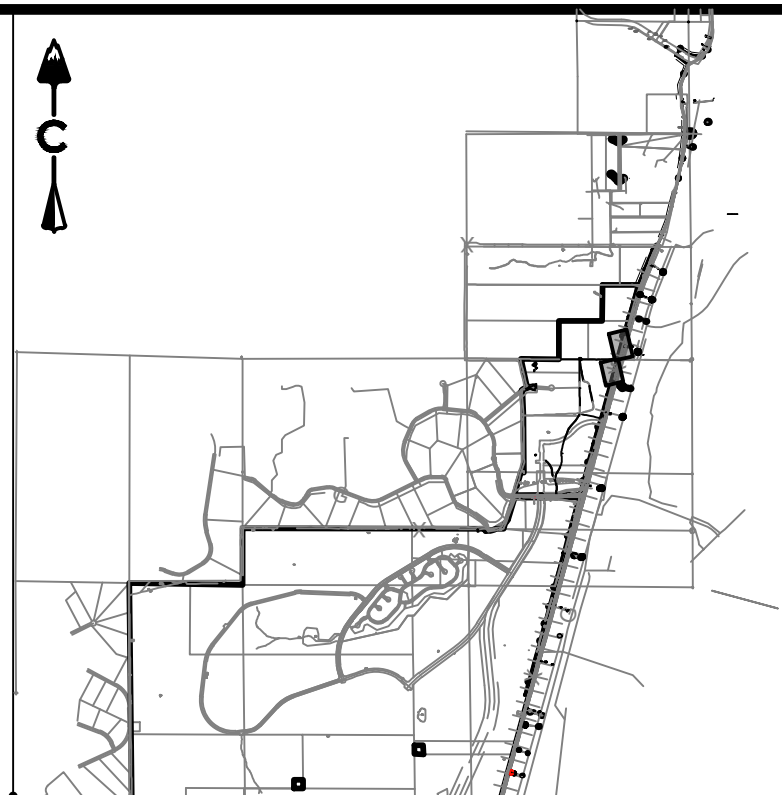
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**SSWR-SANITARY-SEWER-OFFSITE**

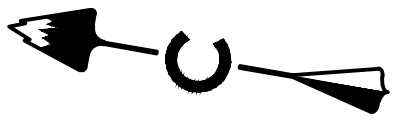
(80+00-93+00)

**NOTES:**

- 1A. PIPE MATERIAL SHALL BE SDR 26 PVC AND SHALL CONFORM TO ASTM D-3034. IF ANY PORTION OF A SANITARY SEWER BETWEEN ANY TWO MANHOLES IS MORE THAN TWENTY FEET DEEP FROM INVERT TO FINISH GRAD, THE ENTIRE SEGMENT OF SANITARY SEWER BETWEEN THE MAN HOLES SHALL BE SDR 25 PVC PIPE.
- 1B. CLASS B BEDDING MATERIAL AND INSTALLATION SHALL BE IN ACCORDANCE WITH THE TOWN'S STANDARDS.
- 2A. MANHOLES SHALL BE SIX-FOOT DIAMETER WITH AN EIGHT-FOOT DIAMETER BASE AND A 30" FRAME COVER.
- 2B. "RISER WRAP" TM AS MANUFACTURED BY PIPELINE SEAL AND INSULATOR, INC. (PSI) OR APPROVED EQUAL SHALL BE APPLIED TO EACH MANHOLE SECTION BEFORE IT IS SET IN PLACE, TO REDUCE SKIN FRICTION AND MITIGATE DIFFERENTIAL STRESSES ON THE MANHOLE.
- SEE VARIANCE #TCV23-21

**KEY MAP**

SCALE: 1" = 4500'



1 inch = 50 ft.

PROFILE
HORIZ: 1" = 50'
VERT: 1" = 10'**LEGEND**

---	EASEMENT
---	RIGHT OF WAY (R.O.W.)
---	CENTERLINE
---	PROJECT BOUNDARY
---	PROPOSED CURB & GUTTER
---	PROPOSED SANITARY & STUB OUT
---	EXISTING SANITARY & STUB OUT
---	SANITARY SERVICE
---	WATER SERVICE
---	PROPOSED WATER & STUB OUT
---	EXISTING WATER & STUB OUT
---	PROPOSED STORM & STUB OUT
---	EXISTING STORM & STUB OUT
---	EXISTING
---	PROPOSED
---	SANITARY MANHOLES
---	SANITARY CLEAN OUT
---	CRUISHER FINES
---	MAINTENANCE ACCESS
---	BLOCK NUMBER
---	LIMITS OF CONSTRUCTION (LOC)
---	TOWN 100 YEAR FLOODPLAIN

NOTES:

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JOSEPH F. FERRIS
STATE OF COLORADO # 55846

TOWN APPROVAL BLOCK

TOWN OF CASTLE ROCK APPROVAL
PLANS ARE HEREBY APPROVED FOR ONE YEAR FROM DATE OF DEVELOPMENT SERVICES APPROVAL.

APPROVED BY:

DEVELOPMENT SERVICES

DATE

DAWSON TRAILS OFFSITE SANITARY SEWER

CASTLE ROCK, COLORADO

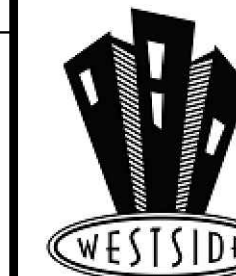
CONSTRUCTION DOCUMENTS

SANITARY P&P (9 OF 15)

Know what's below.
Call before you dig.

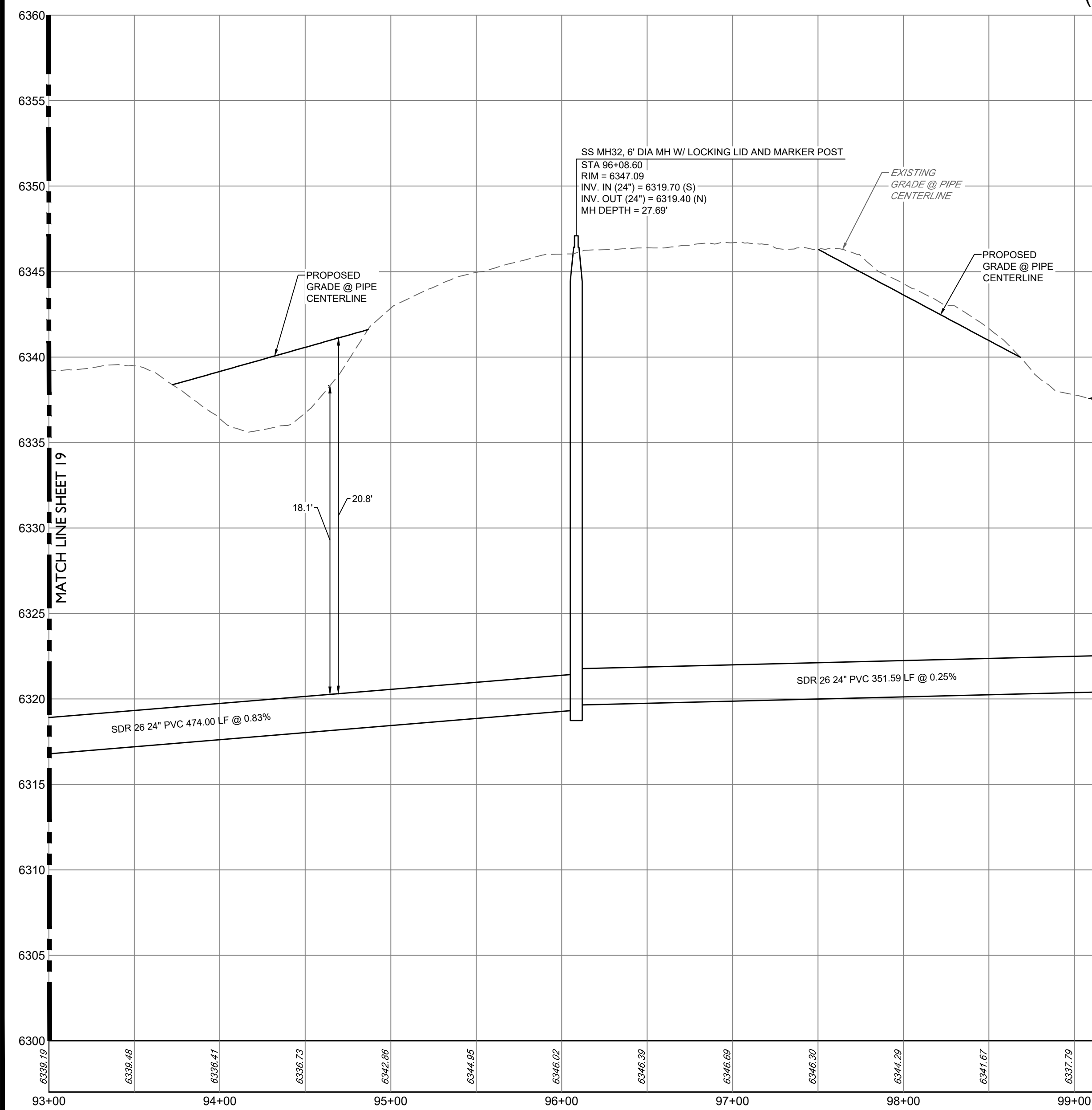
CORE CONSULTANTS, INC.
3473 S. BROADWAY
DENVER, CO 80113
303.703.4444
LIVEYOURCORE.COM

LAND DEVELOPMENT
ENERGY
PUBLIC INFRASTRUCTURE

CORE

DESIGNED BY: JB
DRAWN BY: MB
CHECKED BY: JF

JOB NO.
20-224
SHEET
19 OF 26



STA 10+35.00
 RIM = 6339.60
 INV. OUT (8") = 6322.06 (E)
 MH DEPTH = 17.53'

PROPOSED GRADE @ CENTERLINE

EXISTING GRADE @ CENTERLINE

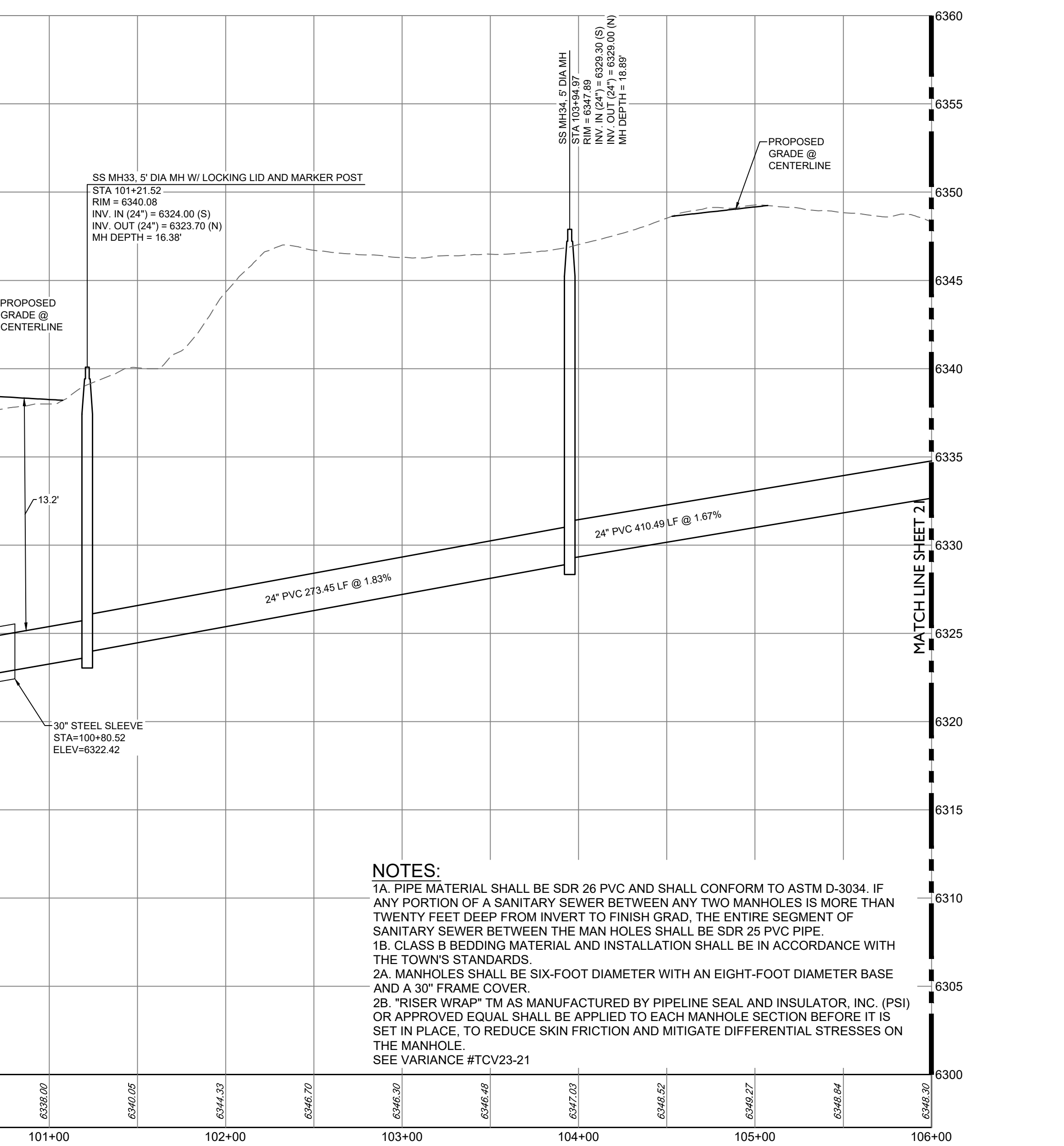
PROPOSED GRADE @ CENTERLINE

6345
 6340
 6335
 6330
 6325
 6320

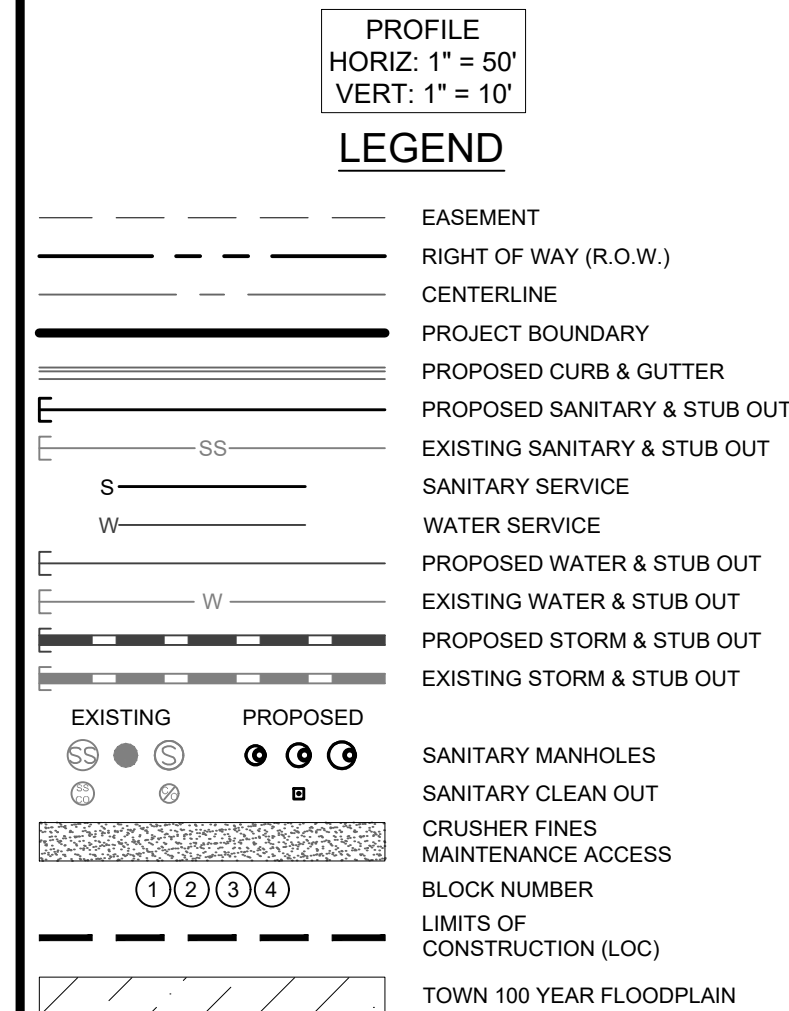
6337.53
 6337.53
 6336.53
 6336.53

10+00 11+00

(SDR-26) 8" PVC 15.00 LF @ 1



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JOSEPH F. FERRIS
STATE OF COLORADO # 55846

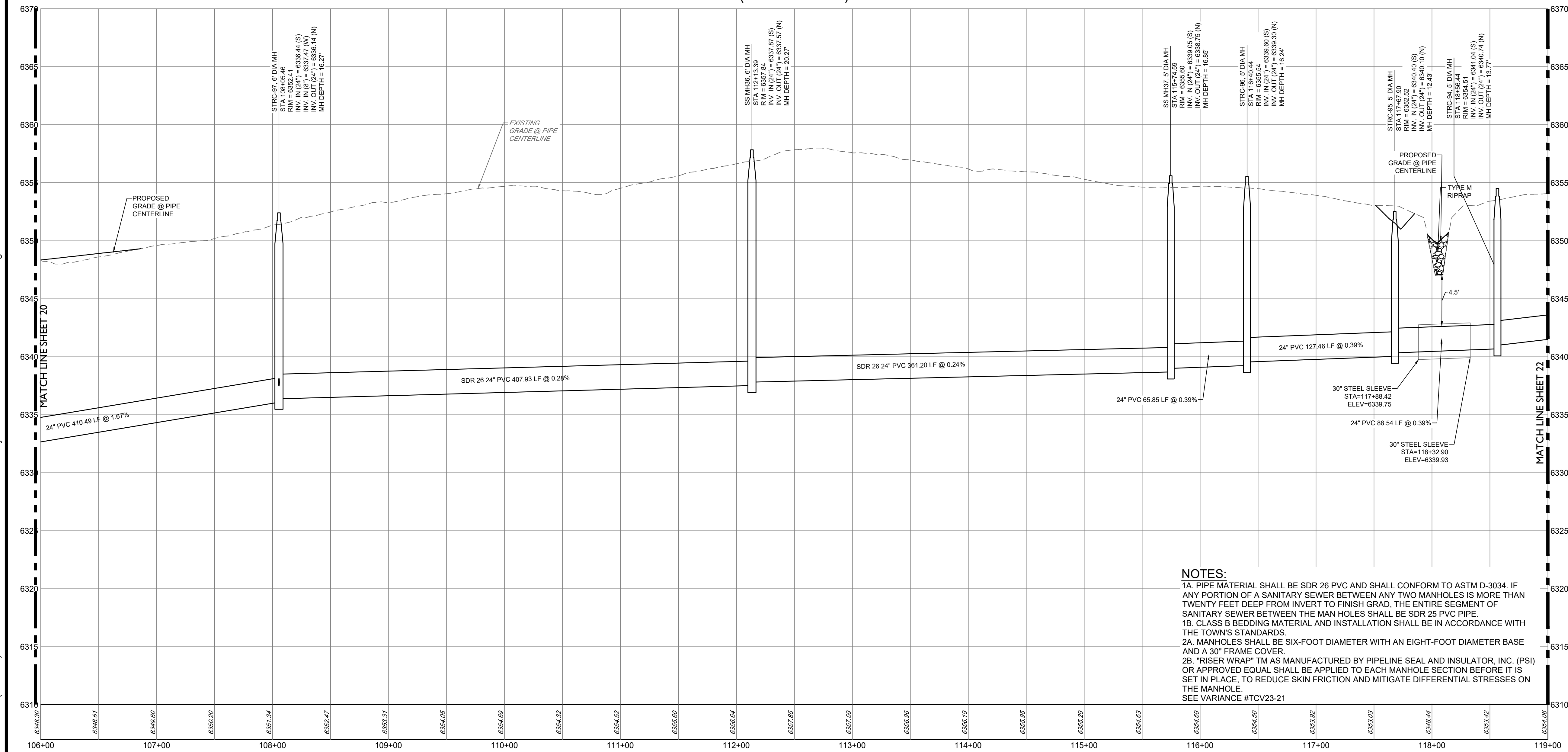
TOWN APPROVAL BLOCK

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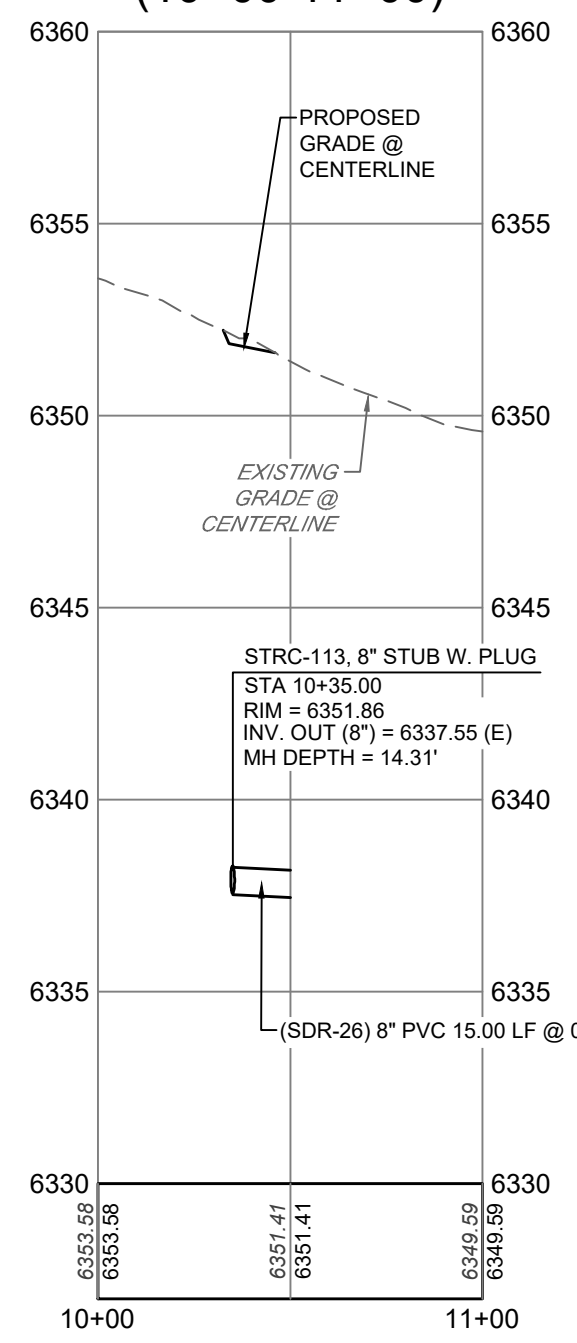
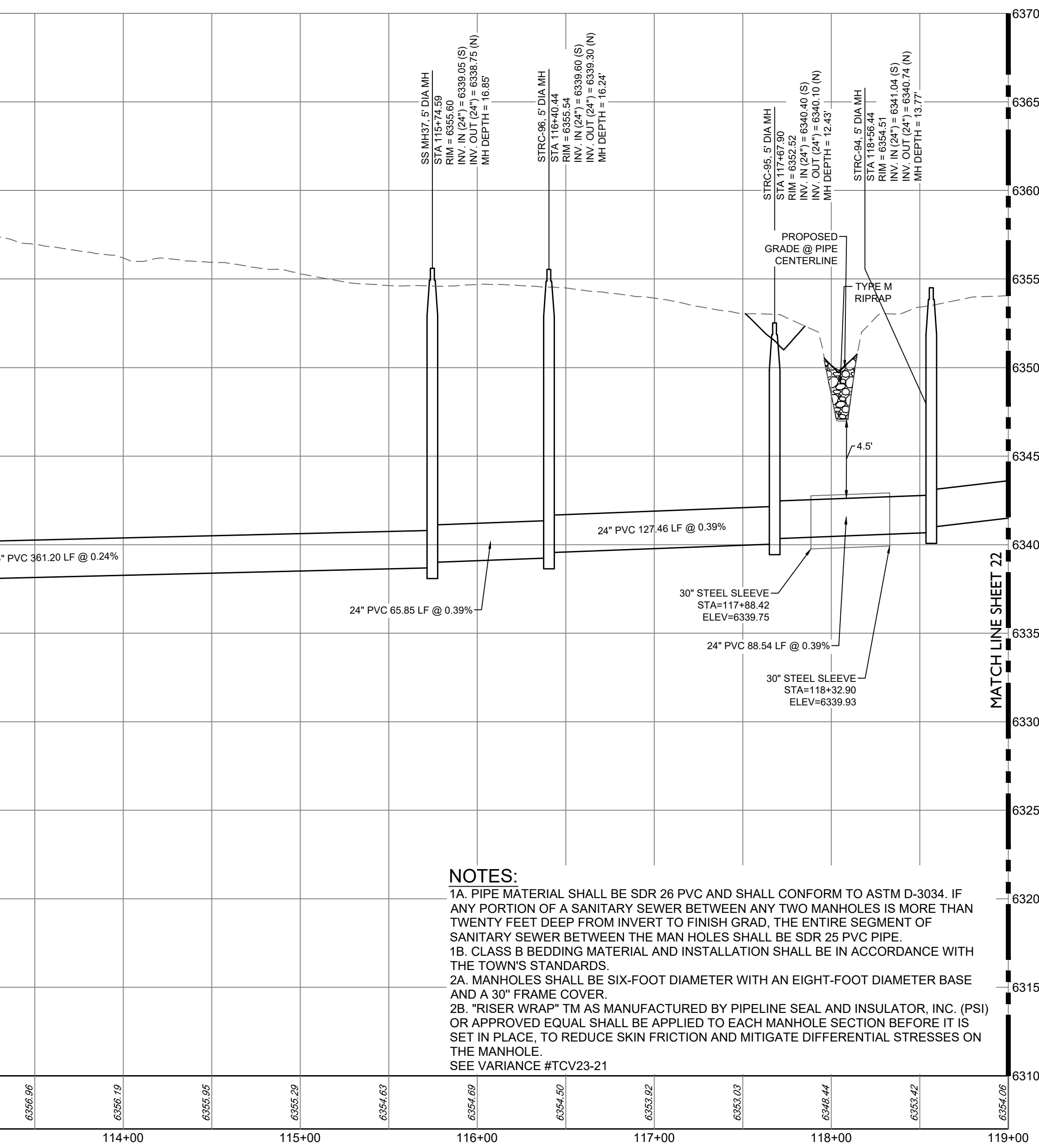
APPROVED BY:

DEVELOPMENT SERVICES

DATE



SAN STUB I
(10+00-11+00)



1 inch = 50 ft.

PROFILE
HORIZ: 1" = 50'
VERT: 1" = 10'

LEGEND

-
- The legend defines the following symbols and features:
- RIGHT OF WAY (R.O.W.)
 - CENTERLINE
 - PROJECT BOUNDARY
 - PROPOSED CURB & GUTTER
 - PROPOSED SANITARY & STUB OUT
 - EXISTING SANITARY & STUB OUT
 - SANITARY SERVICE
 - WATER SERVICE
 - PROPOSED WATER & STUB OUT
 - EXISTING WATER & STUB OUT
 - PROPOSED STORM & STUB OUT
 - EXISTING STORM & STUB OUT
 - SANITARY MANHOLES
 - SANITARY CLEAN OUT
 - CRUSHER FINES MAINTENANCE ACCESS
 - BLOCK NUMBER
 - LIMITS OF CONSTRUCTION (LOC)
 - TOWN 100 YEAR FLOODPLAIN

NOTES:

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BENCHMARK

THE ELEVATION AND CONTOURS SHOWN HEREON ARE BASED UPON
NGS STATION X 386 (PID KKK131), BEING A STANDARD NGS STEEL
DEEPPRO, WITH A PUNCHMARK, IN A STANDARD NGS LOGO CAP
IN A CONCRETE SLEEVE, FLUSH TO THE GROUND. MONUMENT LIES
0.25 MI SOUTH OF THE INTERSECTION OF DOUGLAS LANE LEADING
EAST, 121.1 FT EAST OF THE CENTERLINE OF THE NORTHBOUND
LANES OF INTERSTATE 25, 86.6 FT SOUTH OF THE CENTER OF A
PRIVATE DRIVE LEADING EAST TO A FRAME HOUSE, 38.1 FT EAST OF
THE CENTERLINE OF THE EAST FRONTAGE ROAD OF INTERSTATE 25,
5.6 FT NORTH OF A UTILITY POLE, ABOVE LEVEL WITH THE HIGHWAY
AND 1 FT WEST OF A FIBERGLASS WITNESS POST AND SHEEP
FENCE. PUBLISHED ELEVATION = 6355.09 NAVD88

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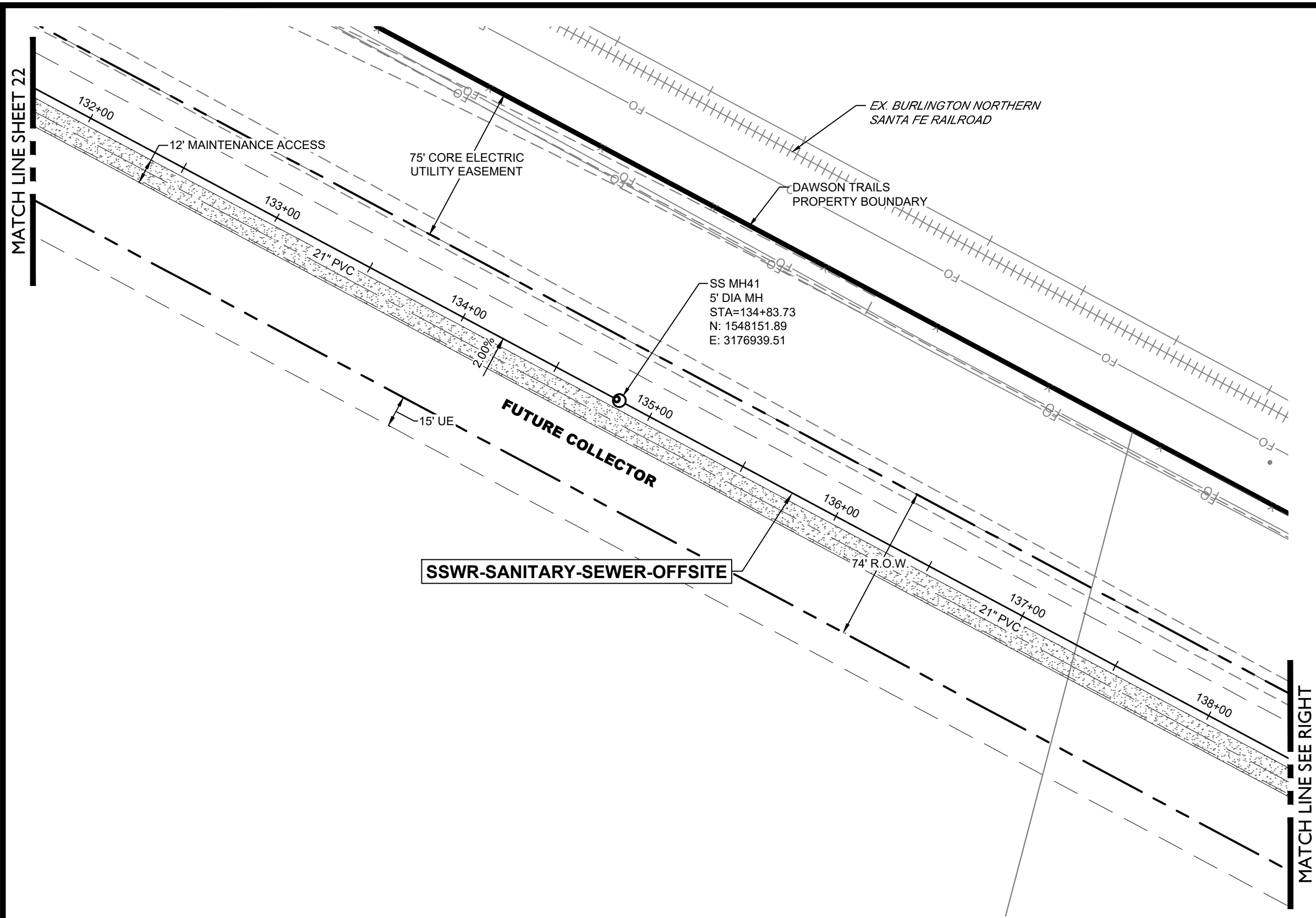
JOSEPH F. FERRIS
STATE OF COLORADO # 55846

TOWN APPROVAL BLOCK

TOWN OF CASTLE ROCK APPROVAL
PLANS ARE HEREBY APPROVED FOR ONE YEAR FROM
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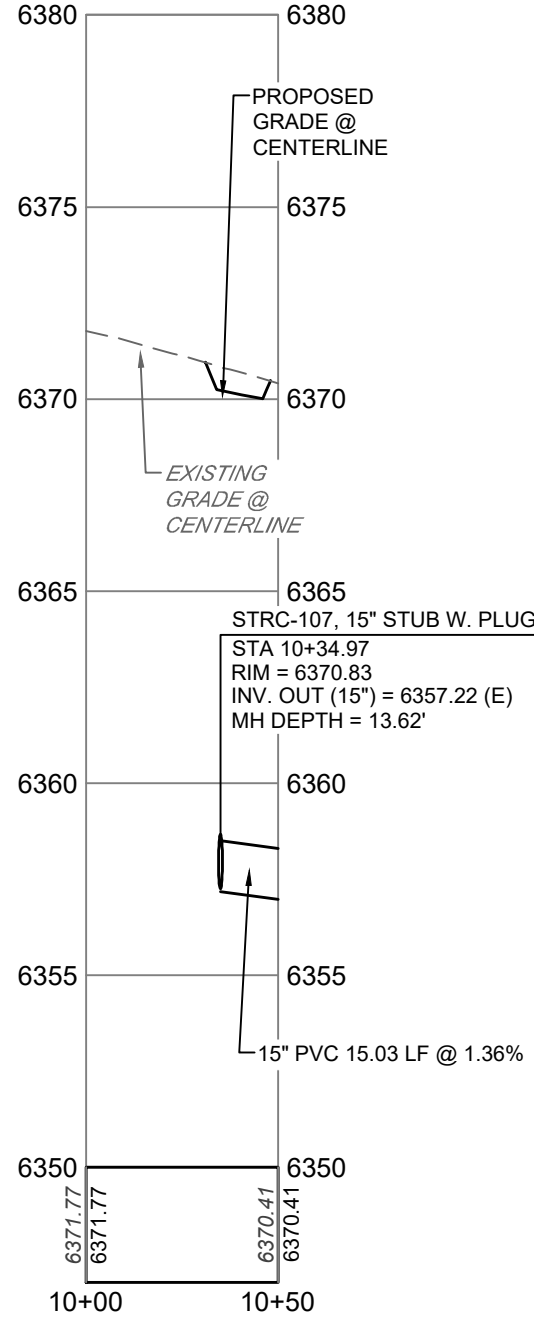
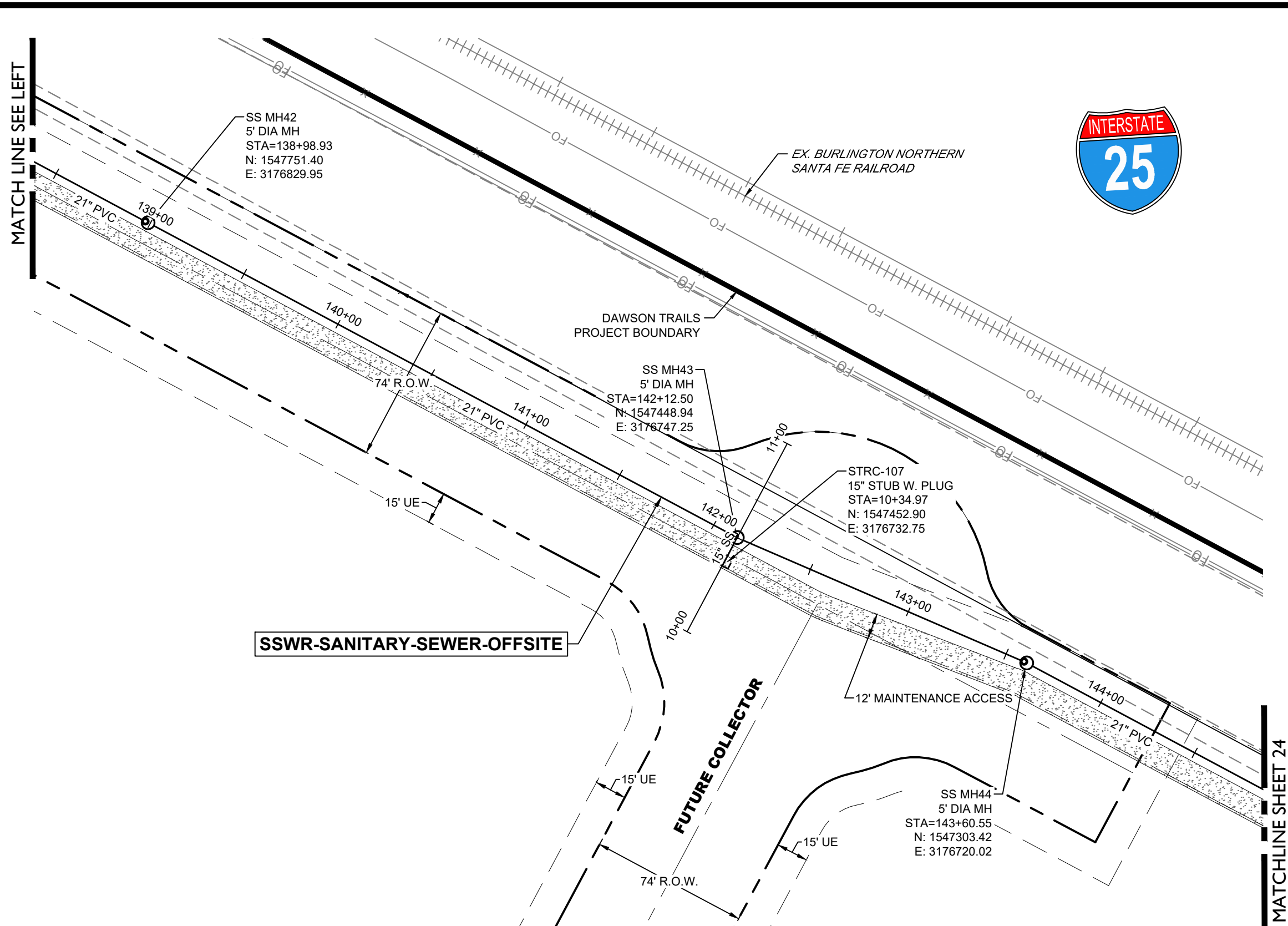
APPROVED BY:

DEVELOPMENT SERVICES	DATE
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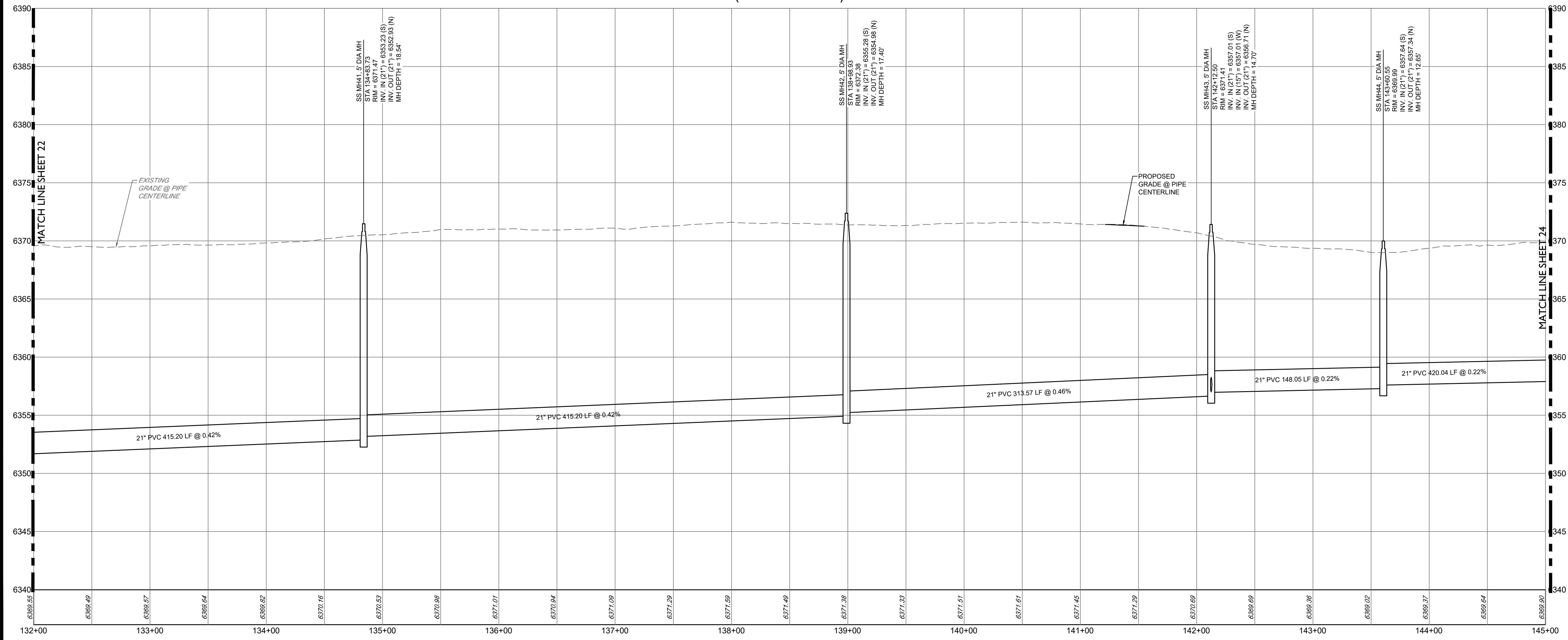
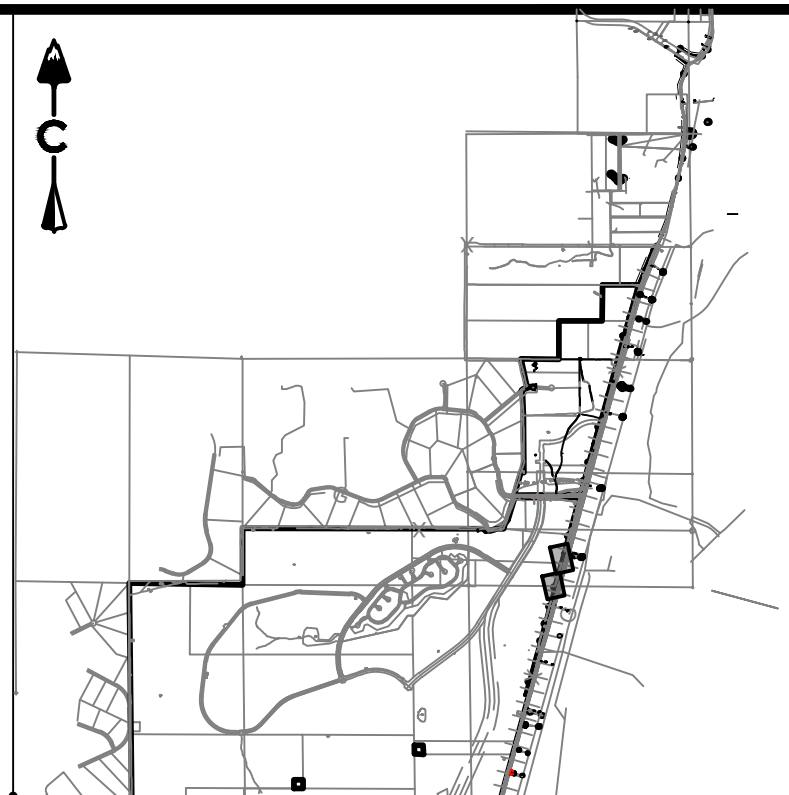
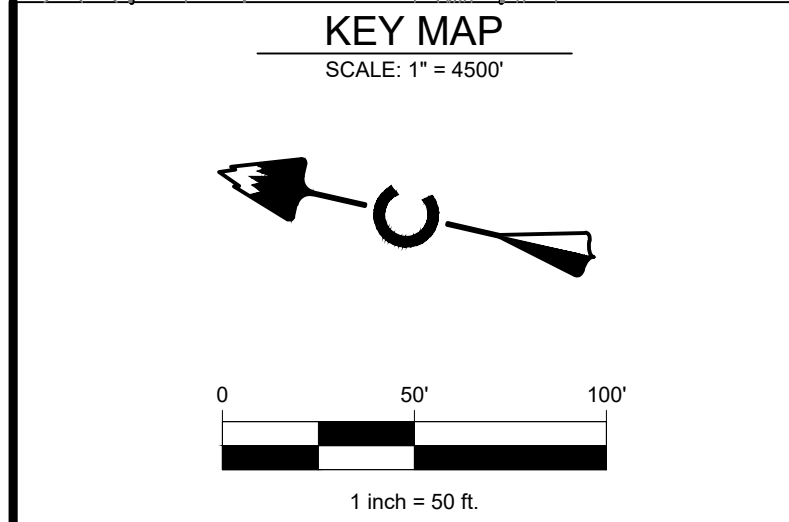
SAN STUB D

(10+00-10+50)



SSWR-SANITARY-SEWER-OFFSITE

(132+00-145+00)



REVISION DESCRIPTION		DATE	BY
1	1ST SUBMITTAL	12/22/22	KR
2	2ND SUBMITTAL	04/26/23	JF

NOTES:

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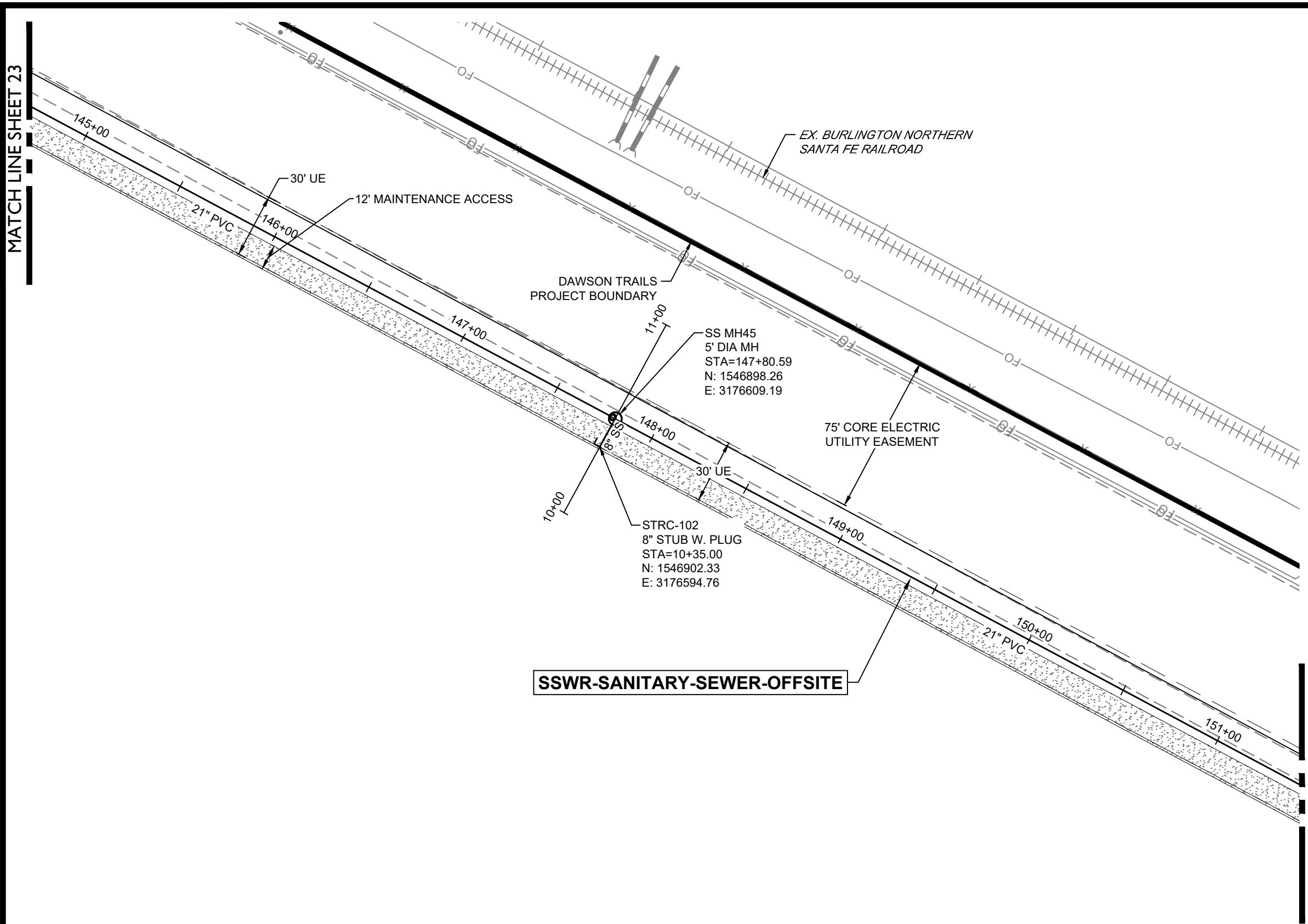
TOWN APPROVAL BLOCK

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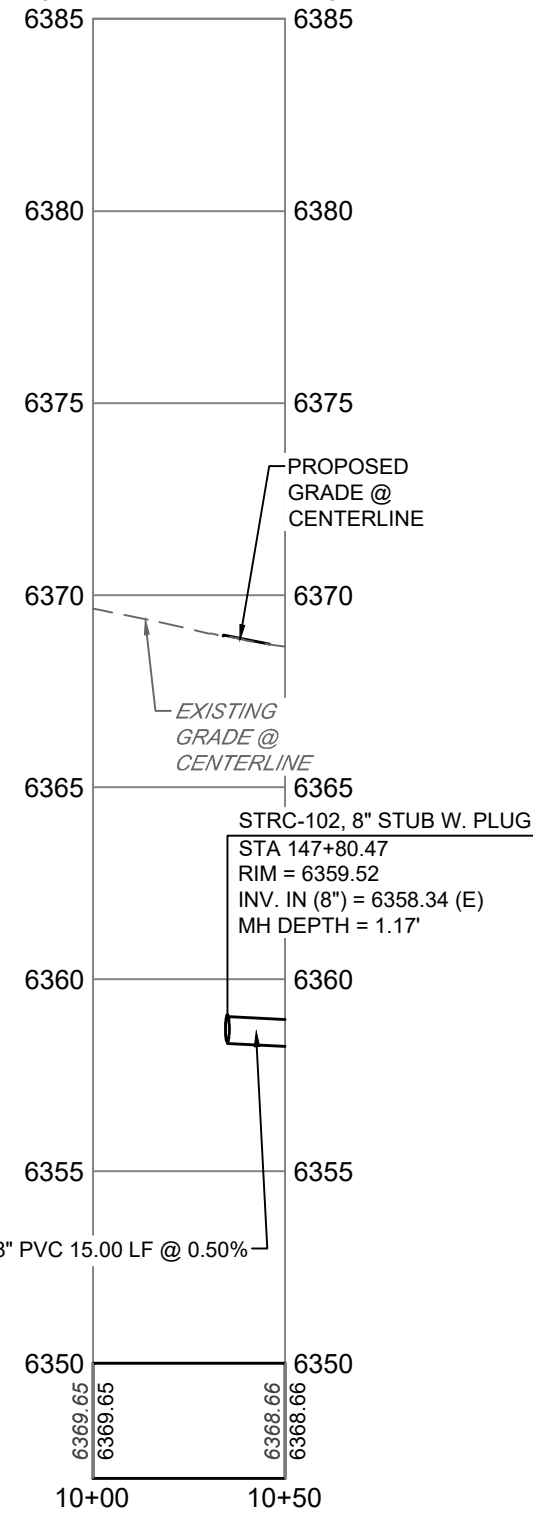
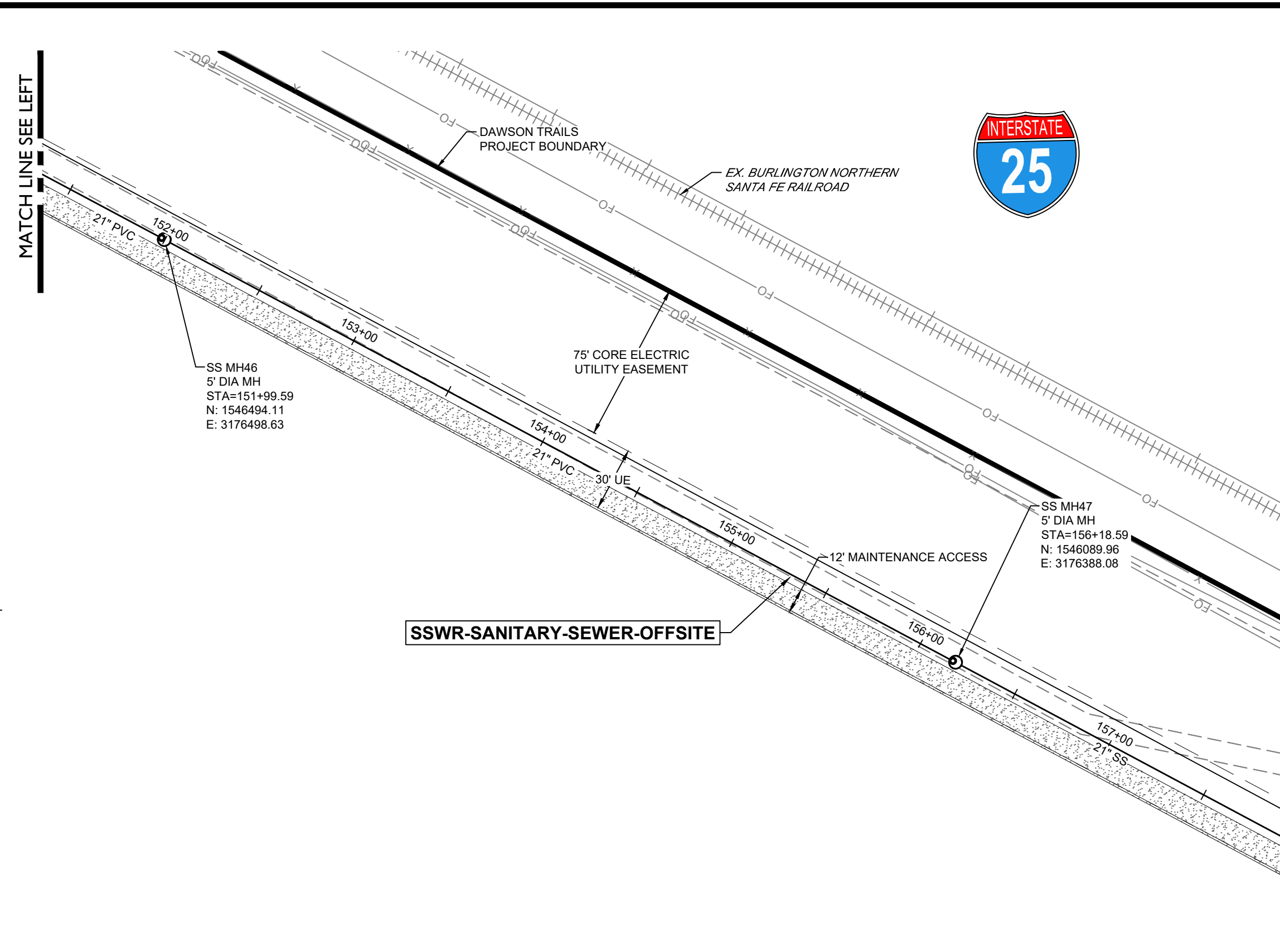
DESIGNED BY: JB
DRAWN BY: MB
CHECKED BY: JF

JOB NO.
20-224
SHEET
23 OF 26



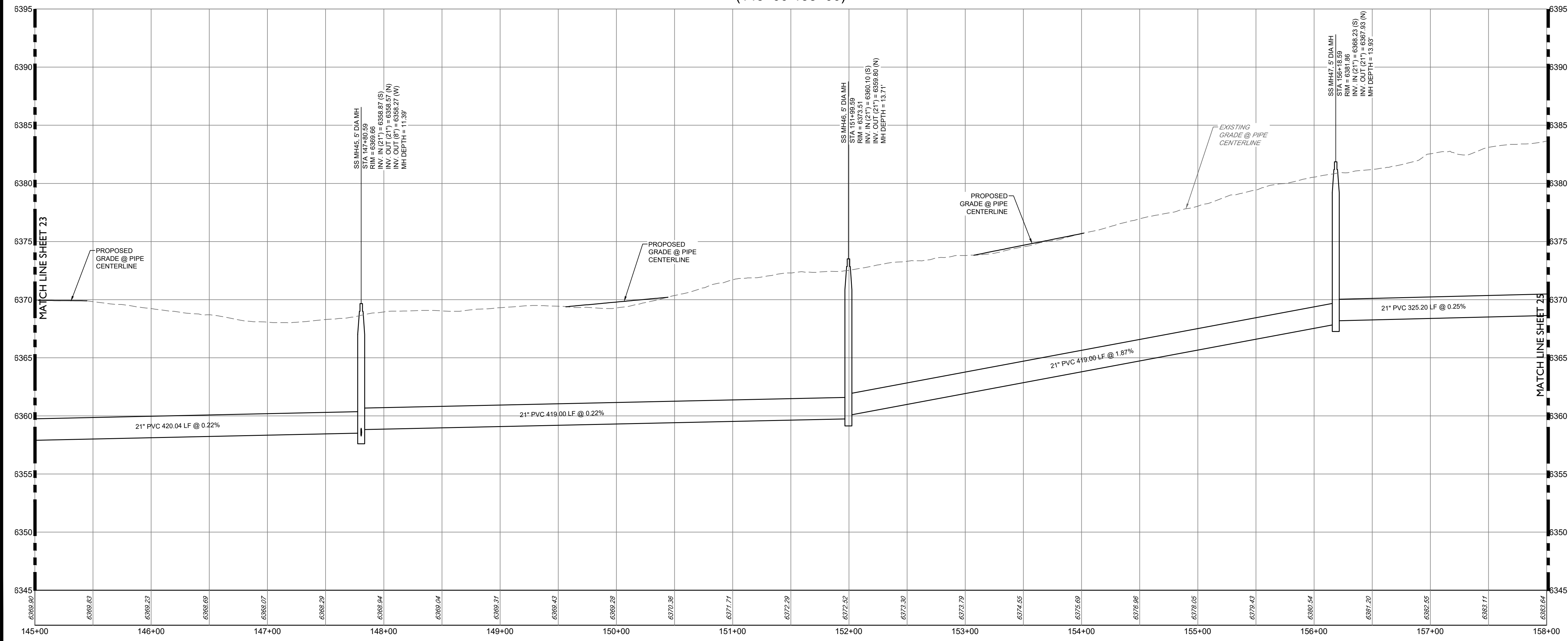
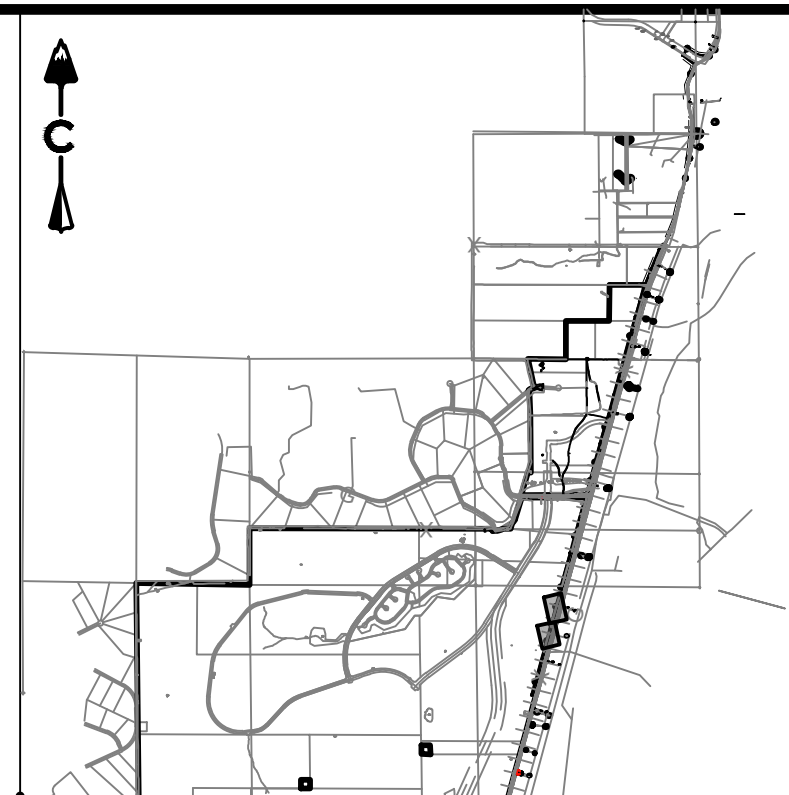
SAN STUB E

(10+00-10+50)



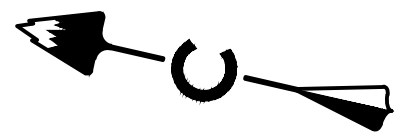
SSWR-SANITARY-SEWER-OFFSITE

(145+00-158+00)



KEY MAP

SCALE: 1" = 450'



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PROFILE
HORIZ. 1" = 50'
VERT. 1" = 10'

LEGEND

---	EASEMENT
---	RIGHT OF WAY (R.O.W.)
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---	PROJECT BOUNDARY
---	PROPOSED CURB & GUTTER
---	PROPOSED SANITARY & STUB OUT
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---	EXISTING STORM & STUB OUT
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JOSEPH F. FERRIS
STATE OF COLORADO # 55846

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TOWN OF CASTLE ROCK APPROVAL
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DEVELOPMENT SERVICES DATE

Know what's below.
Call before you dig.



DAWSON TRAILS OFFSITE SANITARY SEWER

CASTLE ROCK, COLORADO

CONSTRUCTION DOCUMENTS

SANITARY P&P (14 OF 15)



DESIGNED BY: JB
DRAWN BY: MB
CHECKED BY: JF

JOB NO.
20-224
SHEET
24 OF 26

CORE CONSULTANTS, INC.
3473 S. BROADWAY
DENVER, CO 80113
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CORE

LAND DEVELOPMENT
ENERGY
PUBLIC INFRASTRUCTURE

