

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. CD22-0XX

CONTACTS

OWNER

ACM DAWSON TRAILS VII JV LLC
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GLENDALE, CO 80246
CONTACT: LAWRENCE JACOBSON
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ENGINEER

CORE CONSULTANTS, INC.
3473 S. BROADWAY
ENGLEWOOD, CO 80113
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SURVEYOR

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TOWN OF CASTLE ROCK DEVELOPMENT SERVICES

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

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

UTILITY SERVICE PROVIDERS

WATER & SEWER

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

ELECTRIC

IREA
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

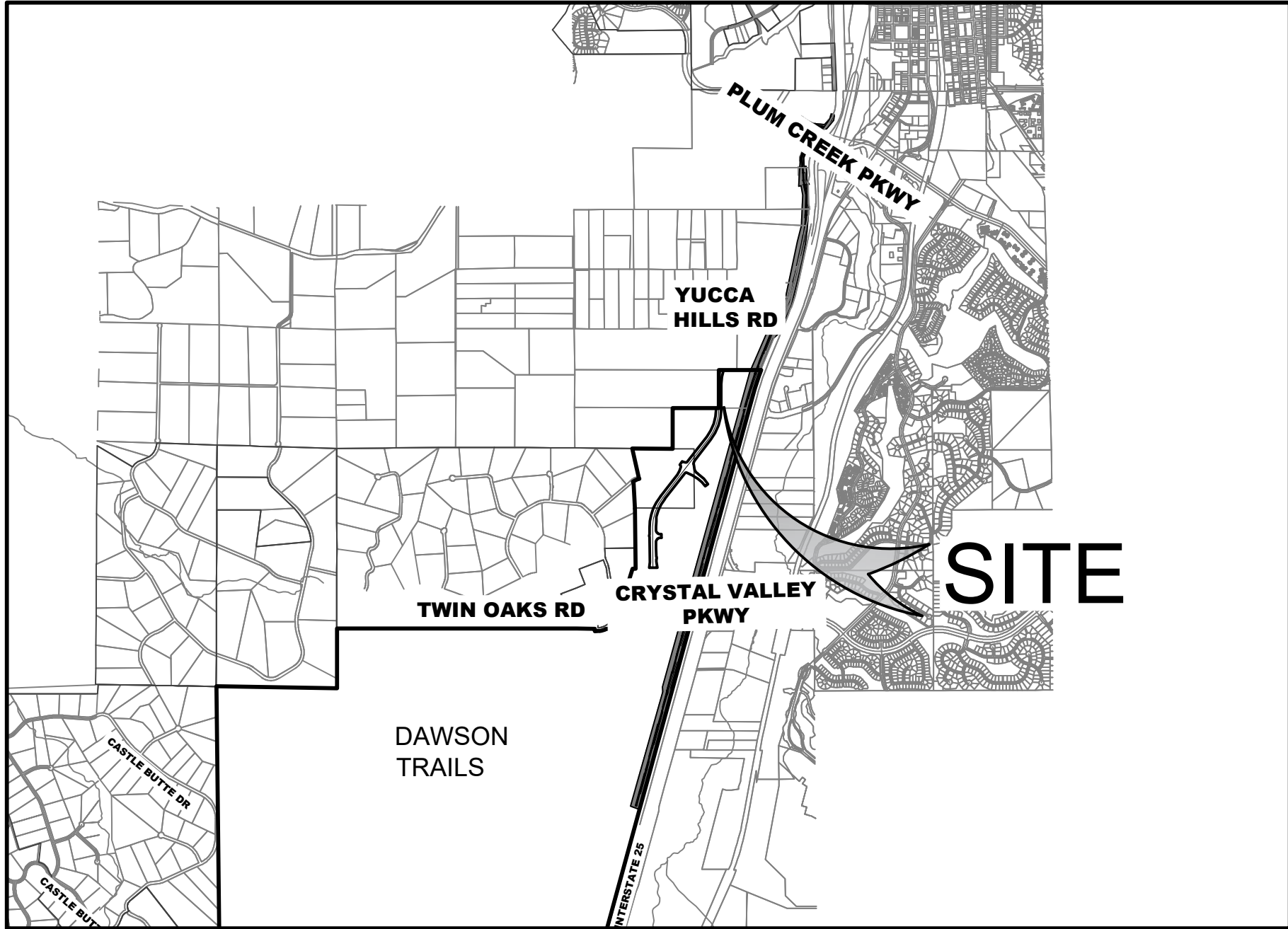
COMCAST
118 WILCOX ST., UNIT B
CASTLE ROCK, CO 80104
PHONE: (303) 930-2000

PHONE

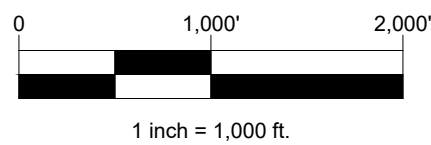
LUMEN TECHNOLOGIES
931 14TH STREET
DENVER, CO 80202
PHONE: (800) 244-1111

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.



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.

KEVIN J. ROHRBOUGH, PE #48992
CORE CONSULTANTS, INC.
3475 S. BROADWAY
ENGLEWOOD, CO 80113
PHONE (303) 703-4444

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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 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.

KEVIN J. ROHRBOUGH
STATE OF COLORADO # 48992

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: JMB
DRAWN BY: MGB
CHECKED BY: KJR

DAWSON TRAILS BLVD OFFSITE SANITARY SEWER
CONSTRUCTION DOCUMENTS
PROJECT NO. CD 20-224

DEVELOPMENT SERVICES

DATE

DAWSON TRAILS BLVD OFFSITE SANITARY SEWER

CASTLE ROCK, COLORADO

CONSTRUCTION DOCUMENTS

COVER



DESIGNED BY: JMB
DRAWN BY: MGB
CHECKED BY: KJR

JOB NO.
20-224

SHEET
1 OF 25

Know what's below.
Call before you dig.



#	REVISION DESCRIPTION	DATE	BY
A	1ST SUBMITTAL	12/22/22	KJR

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

LAND DEVELOPMENT
ENERGY
PUBLIC INFRASTRUCTURE



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 TOWN'S 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 SLOPES, AND BERMS, SHALL BE PLACED WITHIN SIGHT DISTANCE LINES AND SIGHT DISTANCE EASEMENTS.
- THIS PROPERTY IS LOCATED WITHIN ZONE X AS PER FEMA FIRM PANEL NO. 08035C0282G, 08035C0301G, 08035C0283F, 08035C0284G, AND 08035C0292F DATED MARCH 16, 2016. IF APPLICABLE PORTIONS OF THE PROPERTY ARE LOCATED WITHIN A DESIGNATED 100-YEAR FLOODPLAIN ZONE A/AE.
- PROVIDE BENCHMARK INFORMATION HERE - THE LOCATION, DESCRIPTION AND NAVD88 ELEVATION OF THE PROJECT'S SURVEY BENCHMARK. THE PROJECT BENCHMARK SHALL HAVE A PUBLISHED NAVD88 ELEVATION. I.E. NGS BENCHMARKS OR DOUGLAS COUNTY CONTROL POINTS. IN ADDITION TO THE PROJECT BENCHMARK, ANY ON-SITE BENCHMARKS SHOULD ALSO BE PROVIDED FOR CONTRACTOR USE.
- PROVIDE A BASIS OF BEARINGS STATEMENT PER COLORADO STATE STATUTE

SANITARY SEWER CONSTRUCTION NOTES

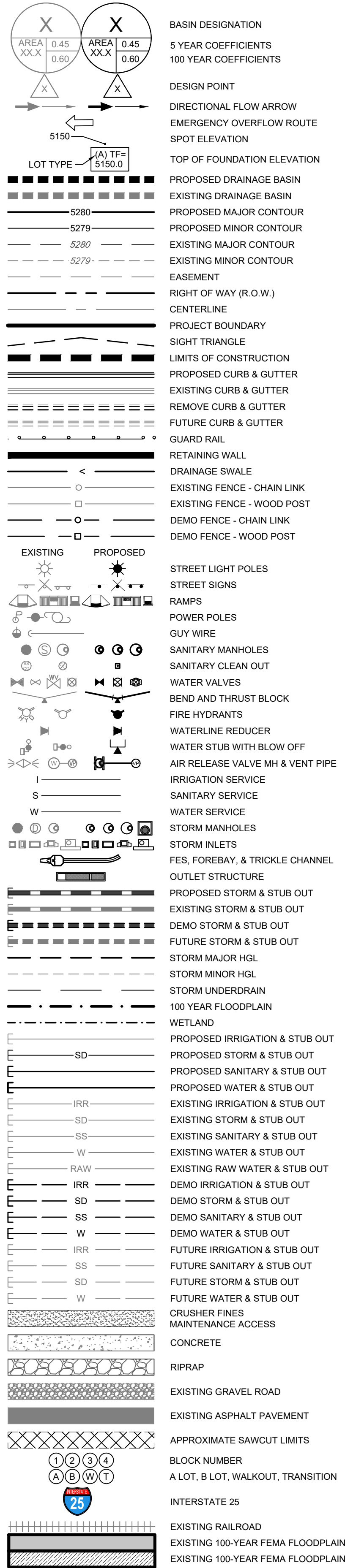
- ALL SANITARY SEWER CONSTRUCTION IS SUBJECT TO THE GENERAL NOTES ON THE COVER SHEET OF THESE PLANS AS WELL AS THE SANITARY SEWER CONSTRUCTION NOTES LISTED HEREIN.
- ALL SANITARY SEWER PIPELINES SHALL BE PVC, SDR-35, IN ACCORDANCE WITH ASTM D-3034, BELL AND SPIGOT WITH ELASTOMERIC SEAL.
- ALL SANITARY 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.

CORE ENGINEERING NOTES

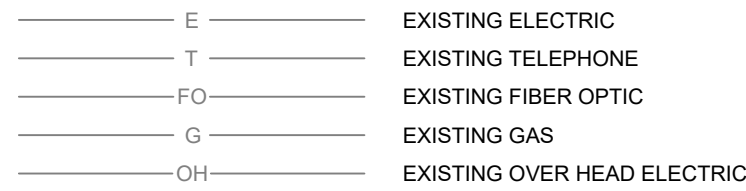
IN ADDITION TO CITY STANDARD NOTES, THE FOLLOWING SHALL APPLY:

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

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 J. ROHRBOUGH
STATE OF COLORADO # 48992

TOWN APPROVAL BLOCK

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

APPROVED BY:

JMB
MGB
KJR

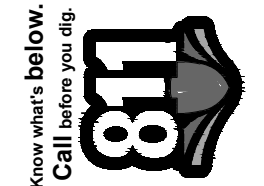
DEVELOPMENT SERVICES DATE

DAWSON TRAILS OFFSITE SANITARY SEWER
CASTLE ROCK, COLORADO
CONSTRUCTION DOCUMENTS
GENERAL NOTES



DESIGNED BY: JMB
DRAWN BY: MGB
CHECKED BY: KJR

JOB NO.
20-224
SHEET
2 OF 25



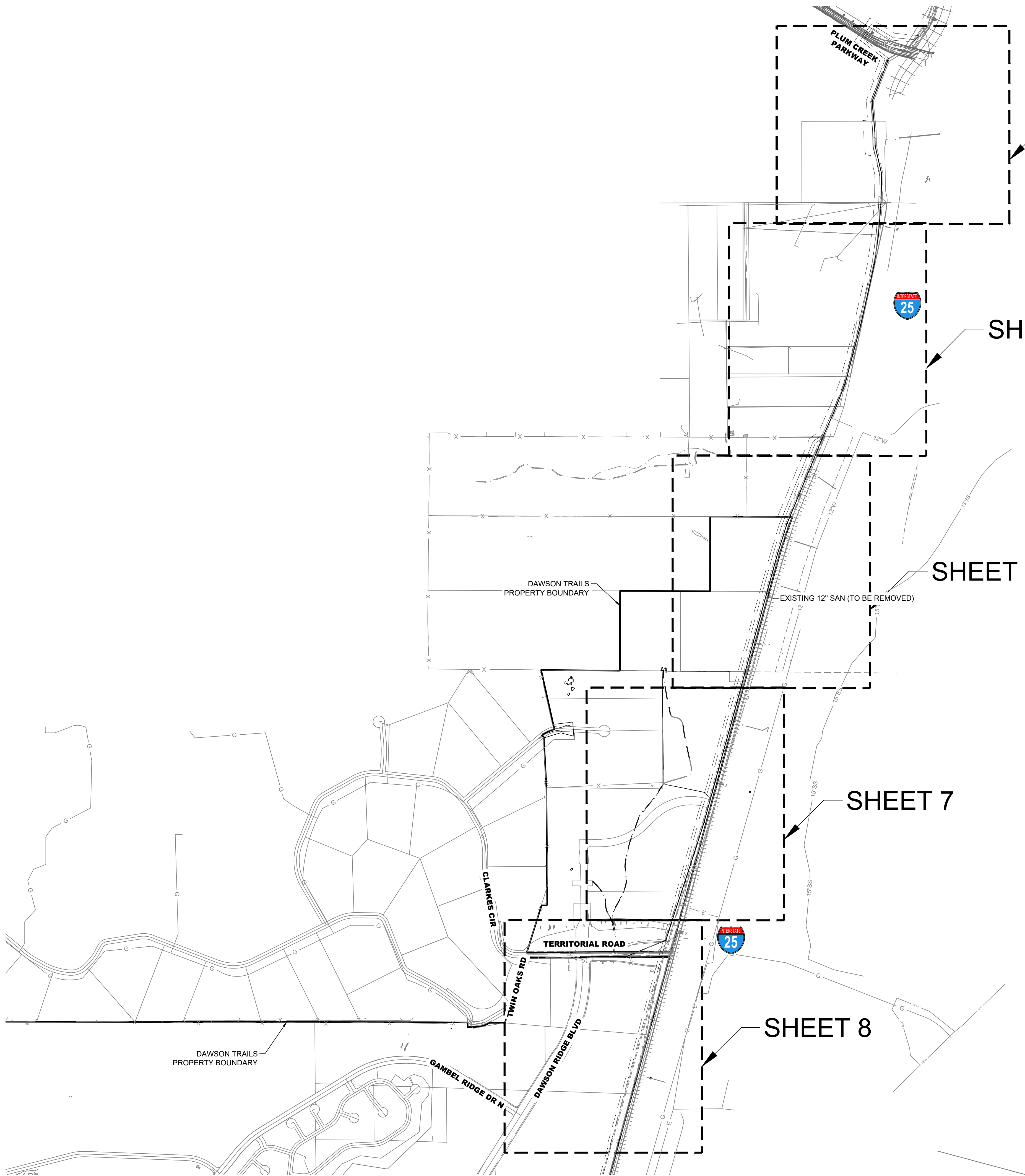
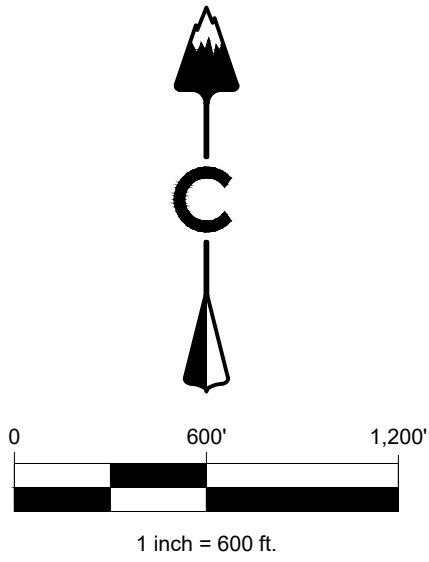
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#	REVISION DESCRIPTION	DATE	BY
A	1ST SUBMITTAL	12/22/22	KJR

CORE CONSULTANTS, INC.
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303.703.4444
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ENERGY
PUBLIC INFRASTRUCTURE



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.

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PROFESSIONAL ENGINEER CERTIFICATION

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KEVIN J. ROHRBOUGH
STATE OF COLORADO # 48992

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 DEMO PLAN

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#	REVISION DESCRIPTION	DATE	BY
A	1ST SUBMITTAL	12/22/22	KJR

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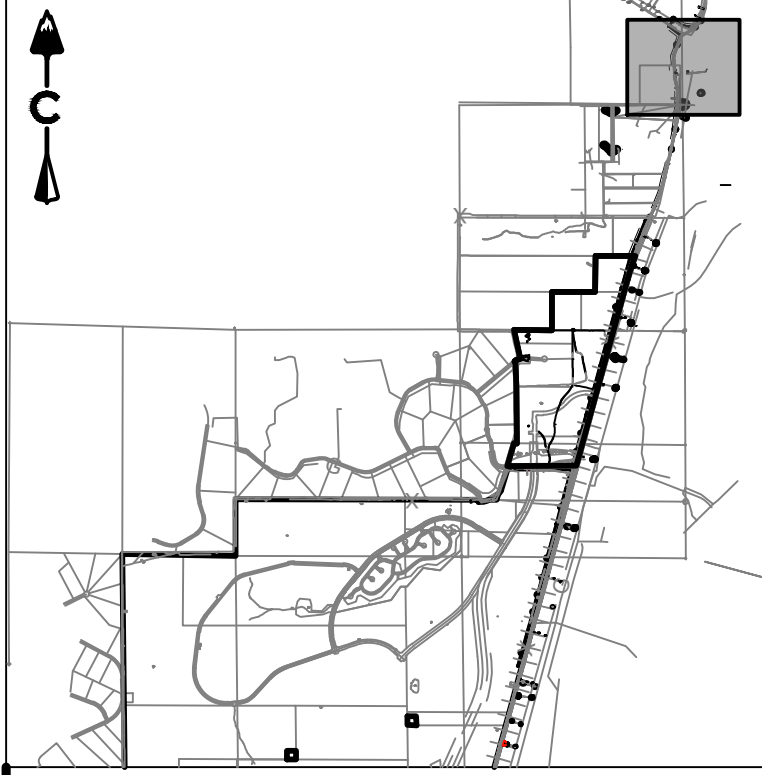
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ENERGY
PUBLIC INFRASTRUCTURE



DESIGNED BY: JMB
DRAWN BY: MGB
CHECKED BY: KJR

JOB NO.
20-224

SHEET
3 OF 25



KEY MAP
SCALE: 1" = 4500'

LEGEND

=====	EXISTING CURB & GUTTER
=====	DEMO CURB & GUTTER
=====	EXISTING STORM & STUB OUT
=====	DEMO STORM & STUB OUT
=====	EXISTING WATER & STUB OUT
=====	DEMO WATER & STUB OUT
=====	EXISTING SANITARY & STUB OUT
=====	DEMO STORM & STUB OUT
=====	EXISTING IRRIGATION & STUB OUT
=====	DEMO IRRIGATION & STUB OUT
=====	EXISTING STORM & STUB OUT
=====	FUTURE STORM & STUB OUT
=====	RETAINING WALL
=====	EXISTING FENCE - CHAIN LINK
=====	EXISTING FENCE - WOOD POST
=====	DEMO FENCE - CHAIN LINK
=====	DEMO FENCE - WOOD POST
=====	IRRIGATION SERVICE
=====	SANITARY SERVICE
=====	WATER SERVICE
=====	EXISTING ELECTRIC
=====	EXISTING FIBER OPTIC
=====	EXISTING GAS
=====	EXISTING OVER HEAD ELECTRIC
=====	CONCRETE
=====	EXISTING GRAVEL ROAD
=====	EXISTING ASPHALT ROAD
=====	APPROXIMATE SAWCUT LIMITS

NOTES:

1. 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

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BENCHMARK

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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 J. ROHRBOUGH
STATE OF COLORADO # 48992

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: JMB
DRAWN BY: MGB
CHECKED BY: KJR

DEVELOPMENT SERVICES _____ DATE _____

CORE CONSULTANTS, INC.
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DENVER, CO 80113
303.703.4444
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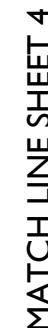
LAND DEVELOPMENT
ENERGY
PUBLIC INFRASTRUCTURE

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

DESIGNED BY: JMB
DRAWN BY: MGB
CHECKED BY: KJR

JOB NO.
20-224

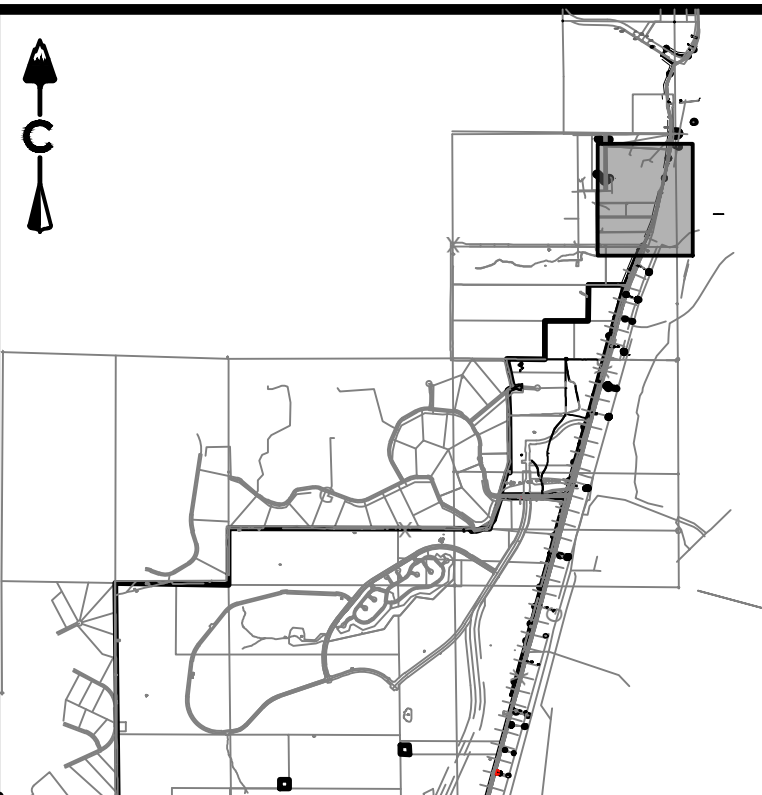
SHEET
4 OF 25



OVERHEAD ELECTRIC LINE.



EX. 12" RAW WATER LINE



SCALE: 1" = 4500

LEGEND

	EXISTING CURB & GUTTER
	DEMO CURB & GUTTER
	EXISTING STORM & STUB OUT
	DEMO STORM & STUB OUT
	EXISTING WATER & STUB OUT
	DEMO WATER & STUB OUT
	EXISTING SANITARY & STUB OUT
	DEMO STORM & STUB OUT
	EXISTING IRRIGATION & STUB OUT
	DEMO IRRIGATION & STUB OUT
	EXISTING STORM & STUB OUT
	FUTURE STORM & STUB OUT
	RETAINING WALL
	EXISTING FENCE - CHAIN LINK
	EXISTING FENCE - WOOD POST
	DEMO FENCE - CHAIN LINK
	DEMO FENCE - WOOD POST
	IRRIGATION SERVICE
	SANITARY SERVICE
	WATER SERVICE
	EXISTING ELECTRIC
	EXISTING FIBER OPTIC
	EXISTING GAS
	EXISTING OVER HEAD ELECTRIC
	CONCRETE
	EXISTING GRAVEL ROAD
	EXISTING ASPHALT ROAD
	APPROXIMATE SAWCUT LIMITS

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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.

TOWN APPROVAL BLOCK

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

DEVELOPMENT SERVICES	DATE
----------------------	------

DATE _____

TRAILS OFFSITE SANITARIUM
CASTLE ROCK, COLORADO

INSTRUCTION DOCUMENTS

now what's below.

DATE	10/02/02
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DESCRIPTION

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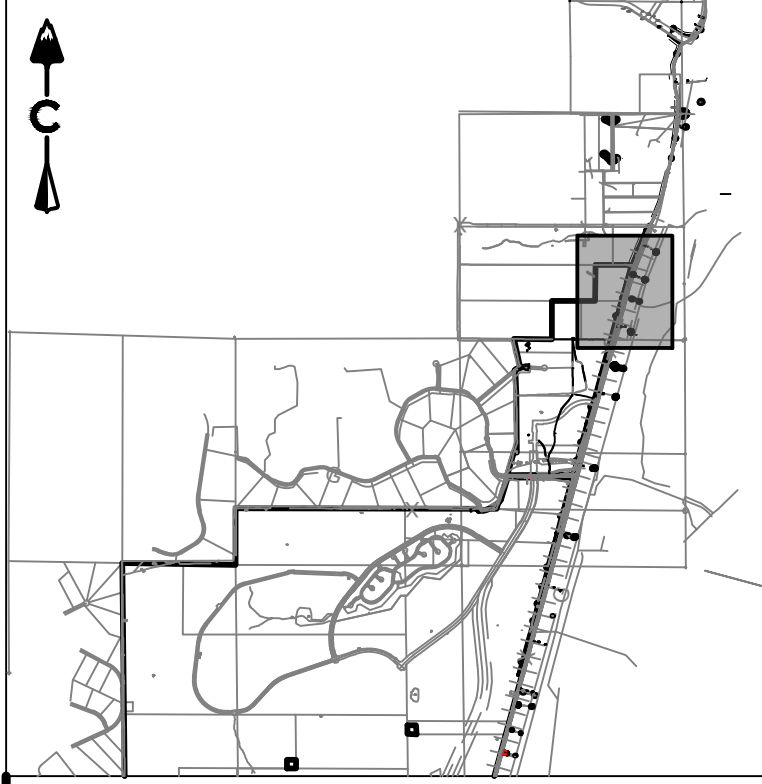
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5

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R
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know what's below.
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LEGEND	
	EXISTING CURB & GUTTER
	DEMO CURB & GUTTER
	EXISTING STORM & STUB OUT
	DEMO STORM & STUB OUT
	EXISTING WATER & STUB OUT
	DEMO WATER & STUB OUT
	EXISTING SANITARY & STUB OUT
	DEMO SANITARY & STUB OUT
	EXISTING IRRIGATION & STUB OUT
	DEMO IRRIGATION & STUB OUT
	EXISTING STORM & STUB OUT
	DEMO STORM & STUB OUT
	FUTURE STORM & STUB OUT
	RETAINING WALL
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	IRRIGATION SERVICE
	SANITARY SERVICE
	WATER SERVICE
	EXISTING ELECTRIC
	EXISTING FIBER OPTIC
	EXISTING GAS
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PROFESSIONAL ENGINEER CERTIFICATION

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KEVIN J. ROHRBOUGH
STATE OF COLORADO # 48992

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: JMB
DRAWN BY: MGB
CHECKED BY: KJR

DEVELOPMENT SERVICES DATE

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DENVER, CO 80113
303.703.4444
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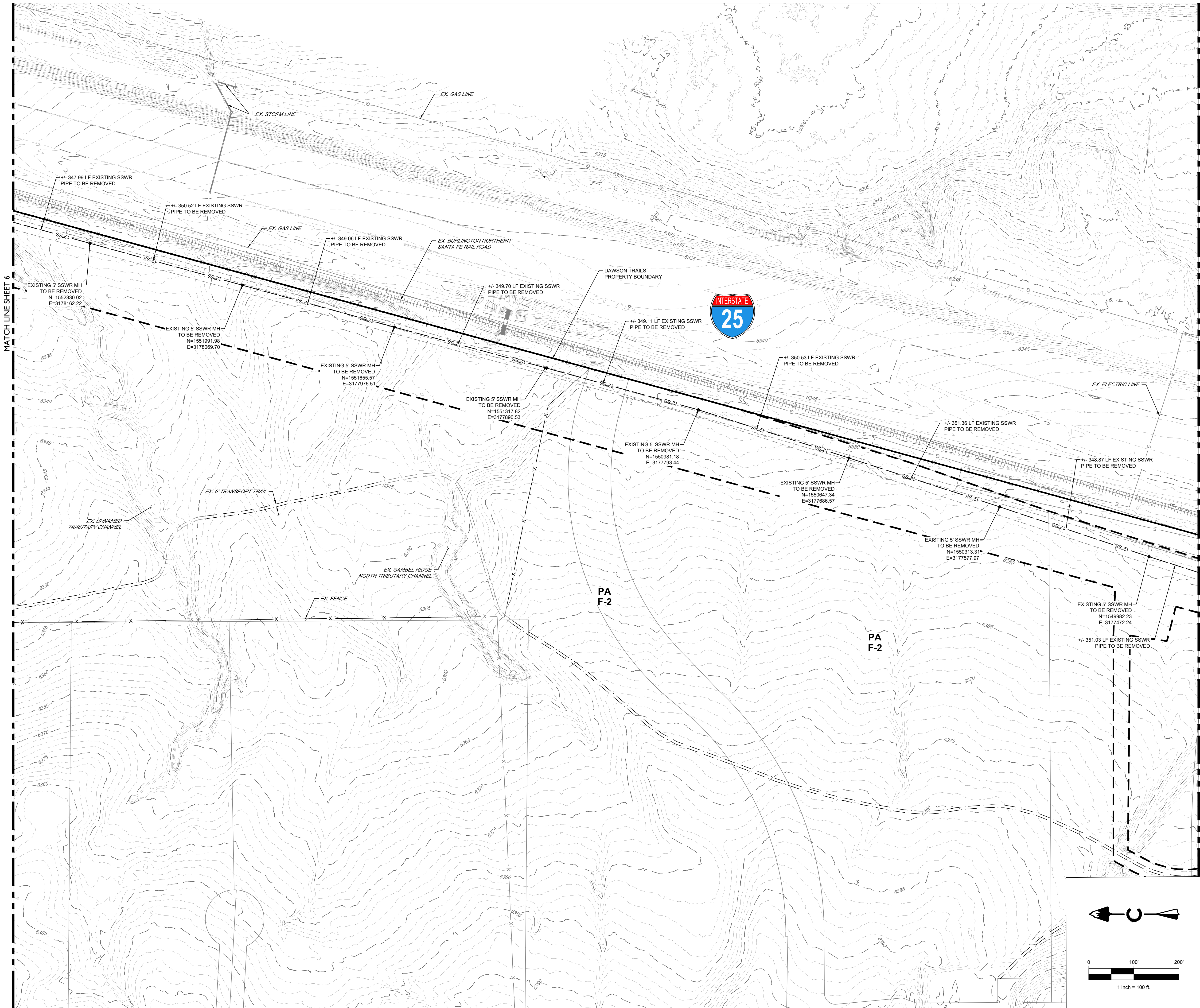
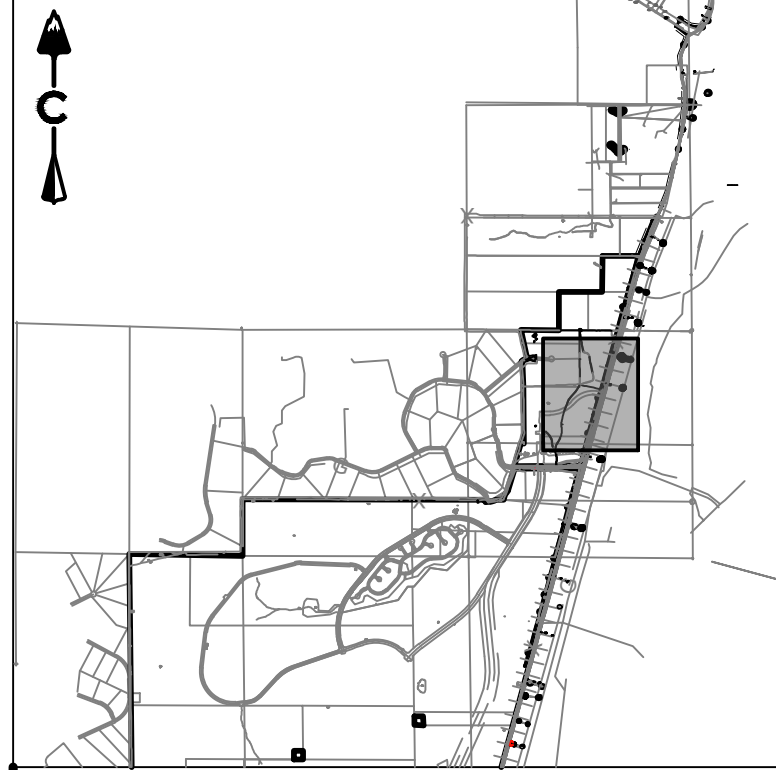
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#	REVISION DESCRIPTION	DATE	BY
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DAWSON TRAILS OFFSITE SANITARY SEWER
CASTLE ROCK, COLORADO
CONSTRUCTION DOCUMENTS
DEMO PLAN (3 OF 5)

DESIGNED BY: JMB
DRAWN BY: MGB
CHECKED BY: KJR

JOB NO.
20-224
SHEET
6 OF 25



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 STORM & STUB OUT
IRR	EXISTING IRRIGATION & STUB OUT
IRR	DEMO IRRIGATION & STUB OUT
SD	EXISTING STORM & STUB OUT
SD	FUTURE STORM & STUB OUT
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o	EXISTING FENCE - WOOD POST
o	DEMO FENCE - CHAIN LINK
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#	REVISION DESCRIPTION	DATE	BY
A	1st SUBMITTAL	12/22/22	KJR

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KEVIN J. ROHRBOUGH STATE OF COLORADO # 48992	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: JMB DRAWN BY: MGB CHECKED BY: KJR
DEVELOPMENT SERVICES	JOB NO. 20-224 SHEET 7 OF 25

LAND DEVELOPMENT
ENERGY
PUBLIC INFRASTRUCTURE

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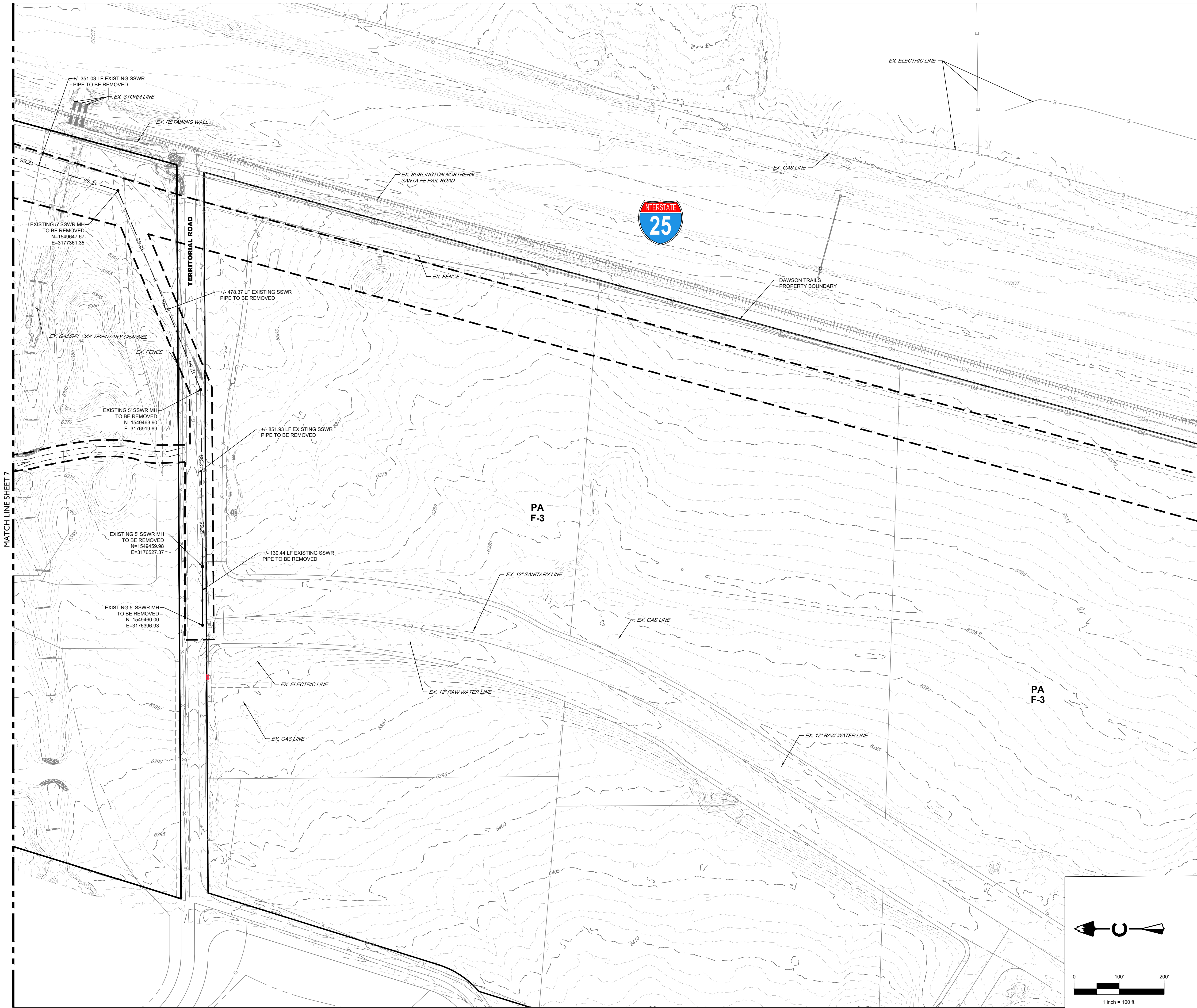
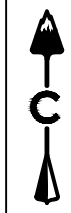
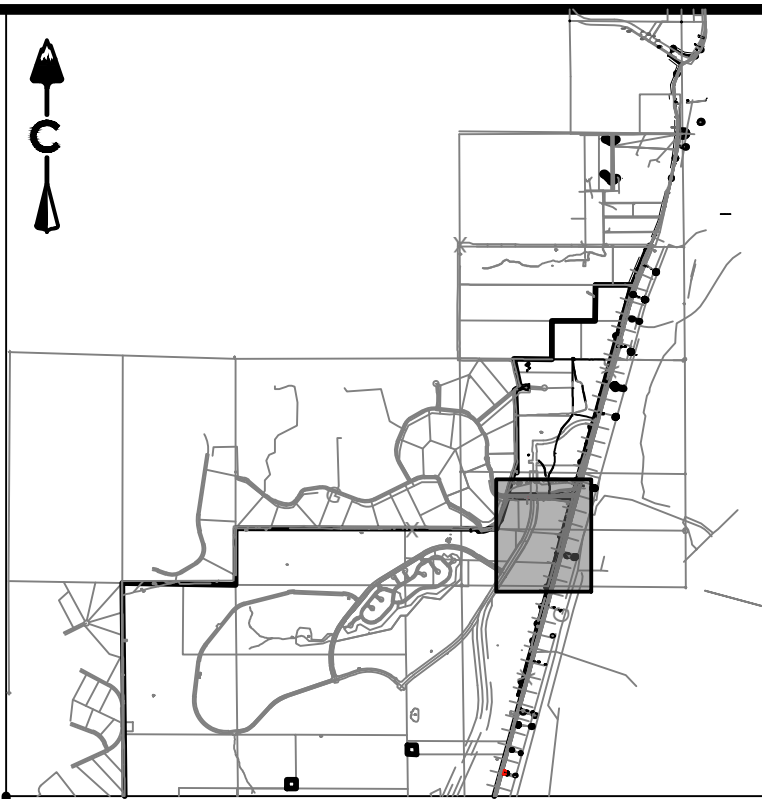
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DAWSON TRAILS OFFSITE SANITARY SEWER
CASTLE ROCK, COLORADO
CONSTRUCTION DOCUMENTS
DEMO PLAN (4 OF 5)

WESTSIDE

DESIGNED BY: JMB
DRAWN BY: MGB
CHECKED BY: KJR

JOB NO.
20-224
SHEET
7 OF 25



KEY MAP
SCALE: 1" = 4500'

LEGEND

- EXISTING CURB & GUTTER
- DEMO CURB & GUTTER
- EXISTING STORM & STUB OUT
- DEMO STORM & STUB OUT
- EXISTING WATER & STUB OUT
- DEMO WATER & STUB OUT
- EXISTING SANITARY & STUB OUT
- DEMO STORM & STUB OUT
- EXISTING IRRIGATION & STUB OUT
- DEMO IRRIGATION & STUB OUT
- EXISTING STORM & STUB OUT
- DEMO STORM & STUB OUT
- 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 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 - 1984". 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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PROFESSIONAL ENGINEER CERTIFICATION

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KEVIN J. ROHRBOUGH
STATE OF COLORADO # 48992

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

DEMO PLAN (5 OF 5)

Know what's below.
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A	1st SUBMITTAL	12/22/22	KJR

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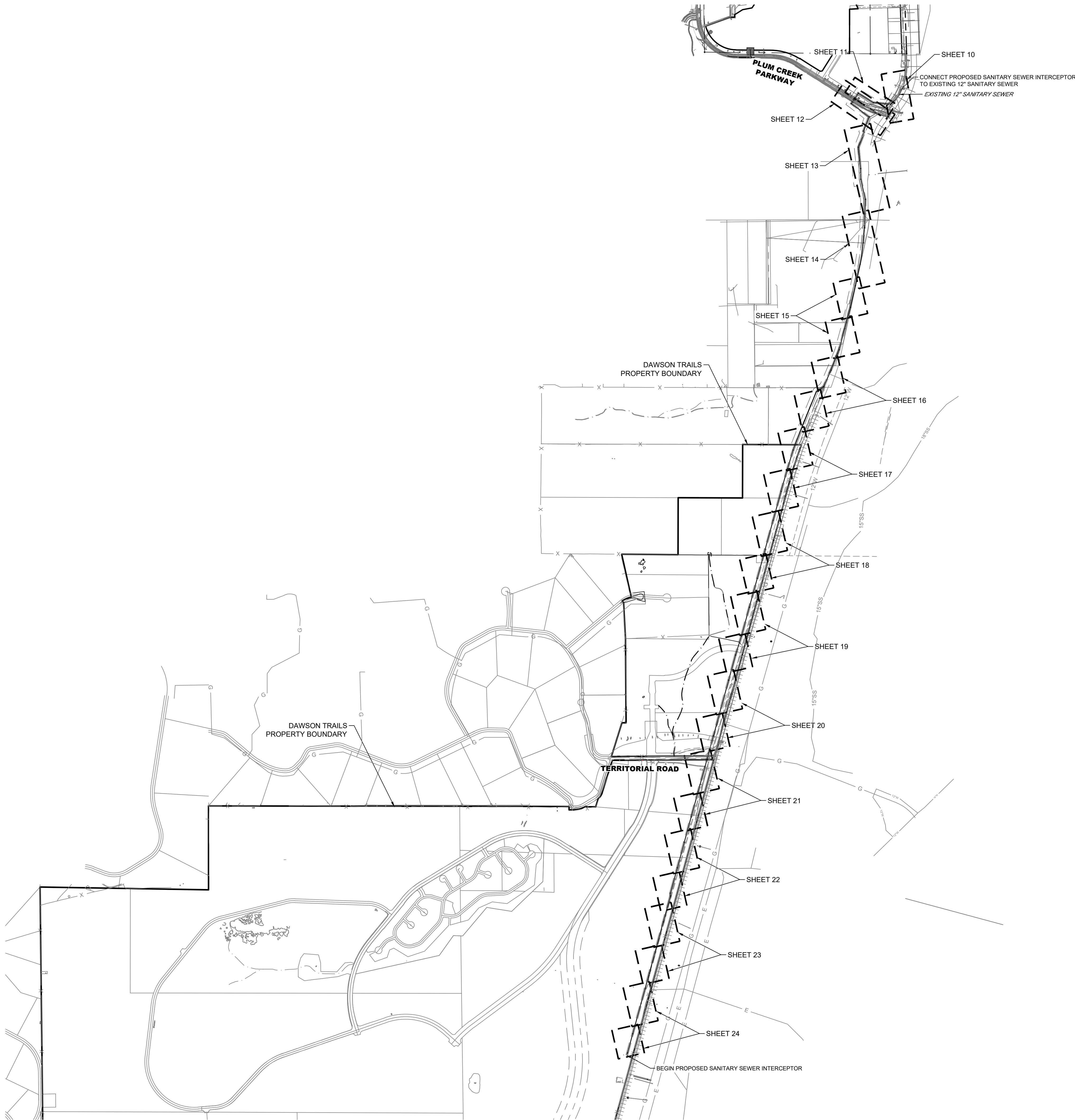
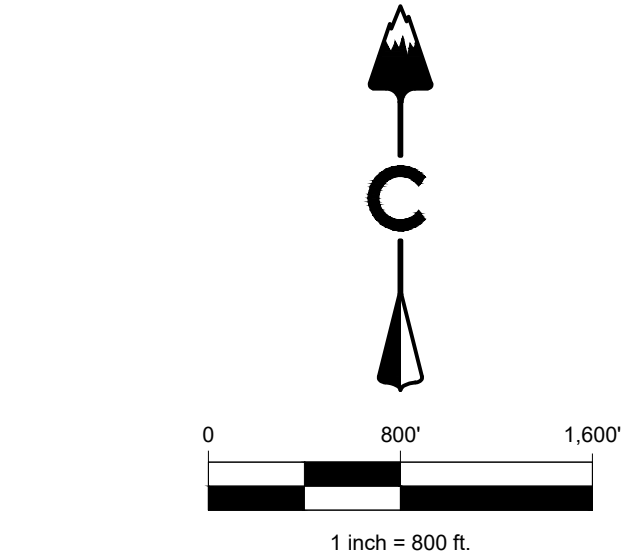
LAND DEVELOPMENT
ENERGY
PUBLIC INFRASTRUCTURE



DESIGNED BY: JMB
DRAWN BY: MGB
CHECKED BY: KJR

JOB NO.
20-224

SHEET
8 OF 25



LEGEND

- | | |
|-----|----------------------------------|
| --- | EASEMENT |
| --- | RIGHT OF WAY (R.O.W.) |
| --- | CENTERLINE |
| --- | PROJECT BOUNDARY |
| --- | PROPOSED CURB & GUTTER |
| --- | PROPOSED SANITARY & STUB OUT |
| --- | EXISTING SANITARY & STUB OUT |
| --- | SANITARY 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) |

NOTES:

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APPROVED BY:

DEVELOPMENT SERVICES DATE

LAND DEVELOPMENT
ENERGY
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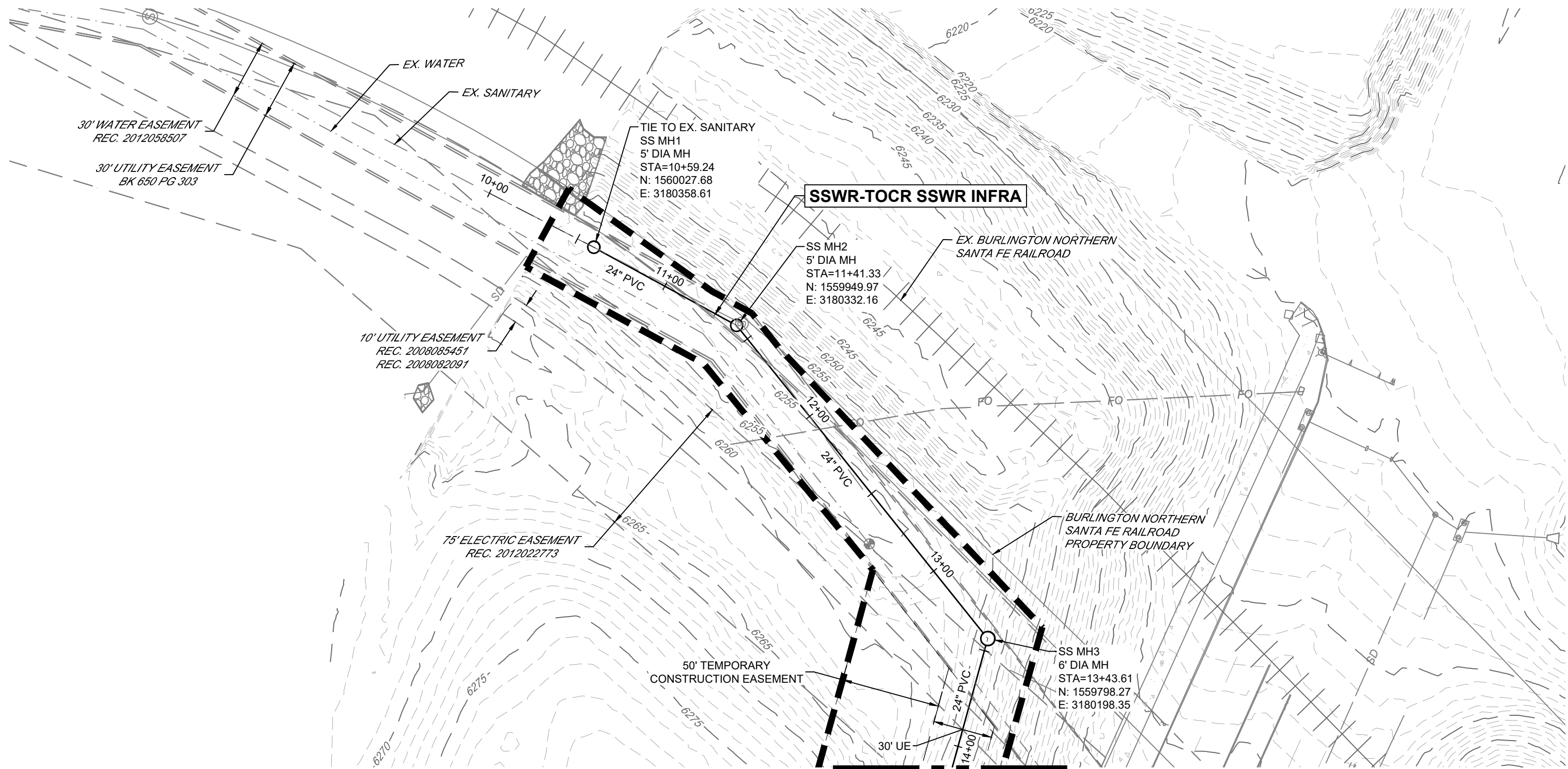
DAWSON TRAILS OFFSITE SANITARY SEWER
CASTLE ROCK, COLORADO
CONSTRUCTION DOCUMENTS
OVERALL SANITARY PLAN

WESTSIDE

DESIGNED BY: JMB
DRAWN BY: MGB
CHECKED BY: KJR

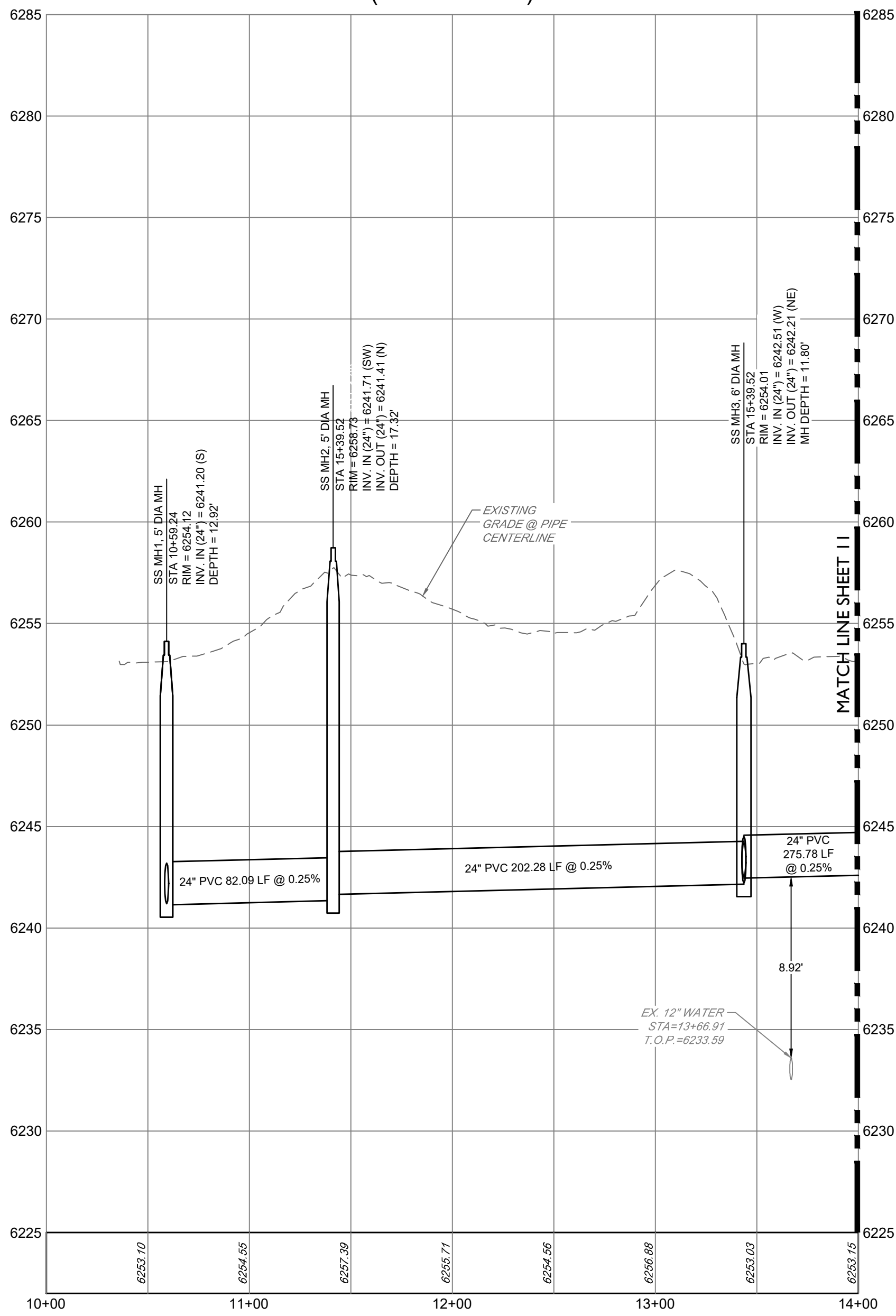
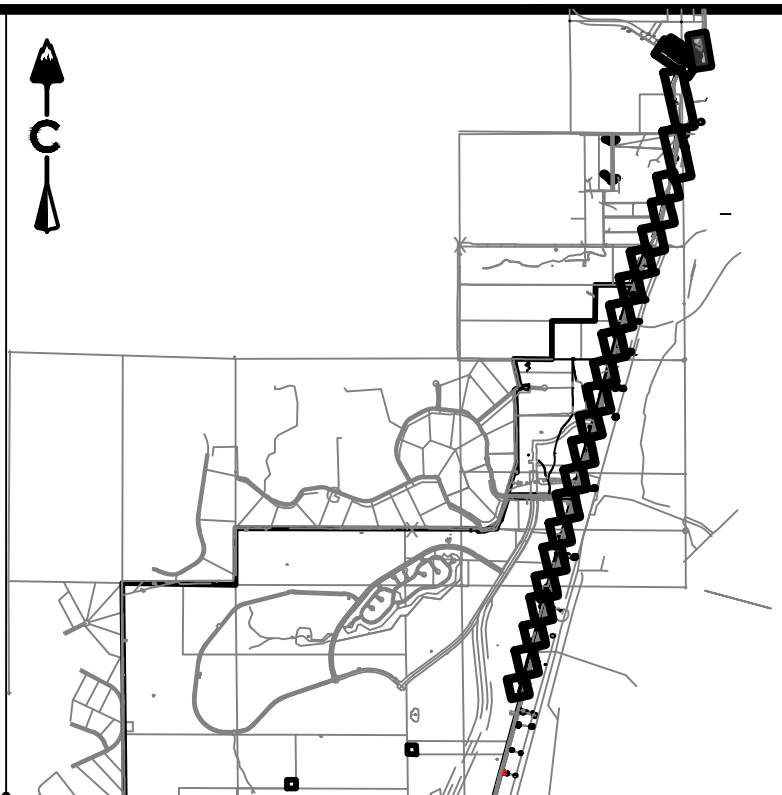
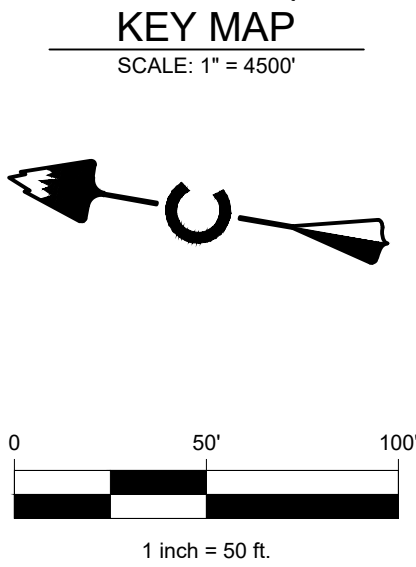
JOB NO.
20-224

SHEET
9 OF 25



SSWR-TOCR SSWR INFRA

(10+00-14+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
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DAWSON TRAILS OFFSITE SANITARY SEWER

CASTLE ROCK, COLORADO

CONSTRUCTION DOCUMENTS

SANITARY P&P (1 OF 15)



DESIGNED BY: JMB
DRAWN BY: MGB
CHECKED BY: KJR

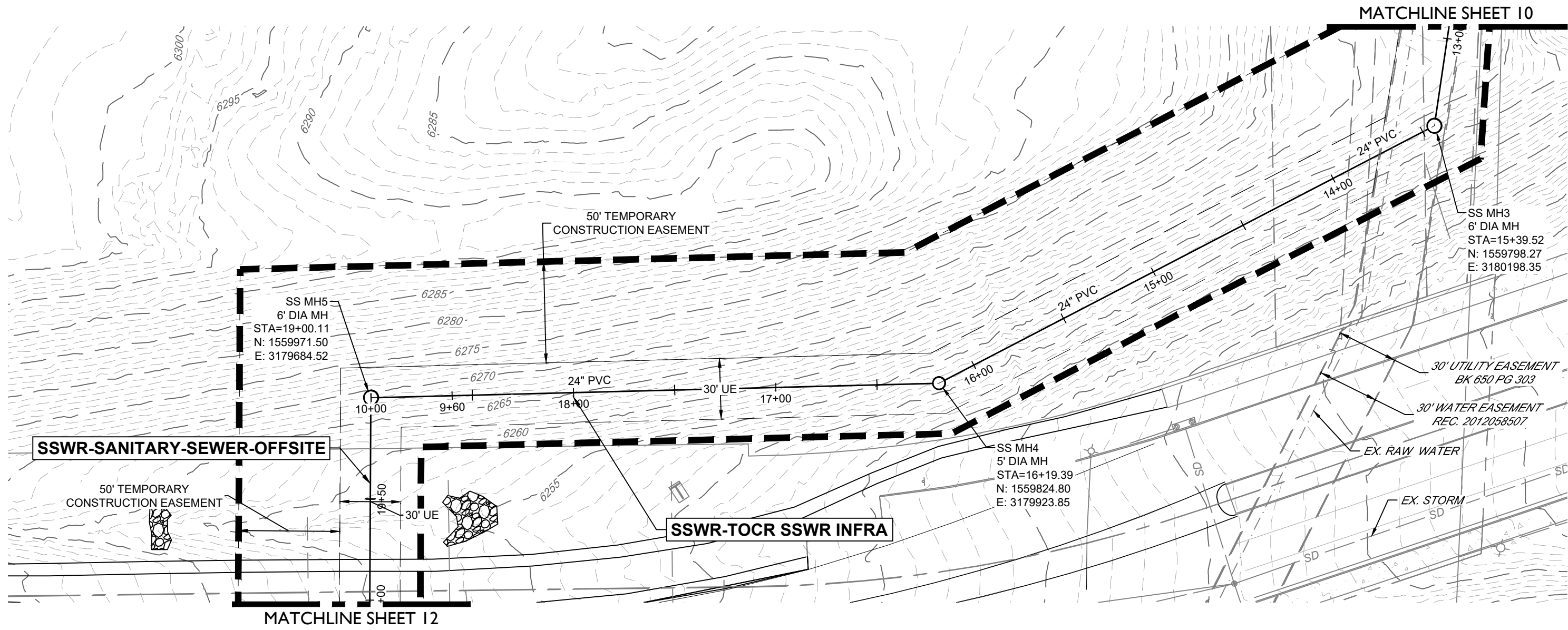
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20-224

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10 OF 25

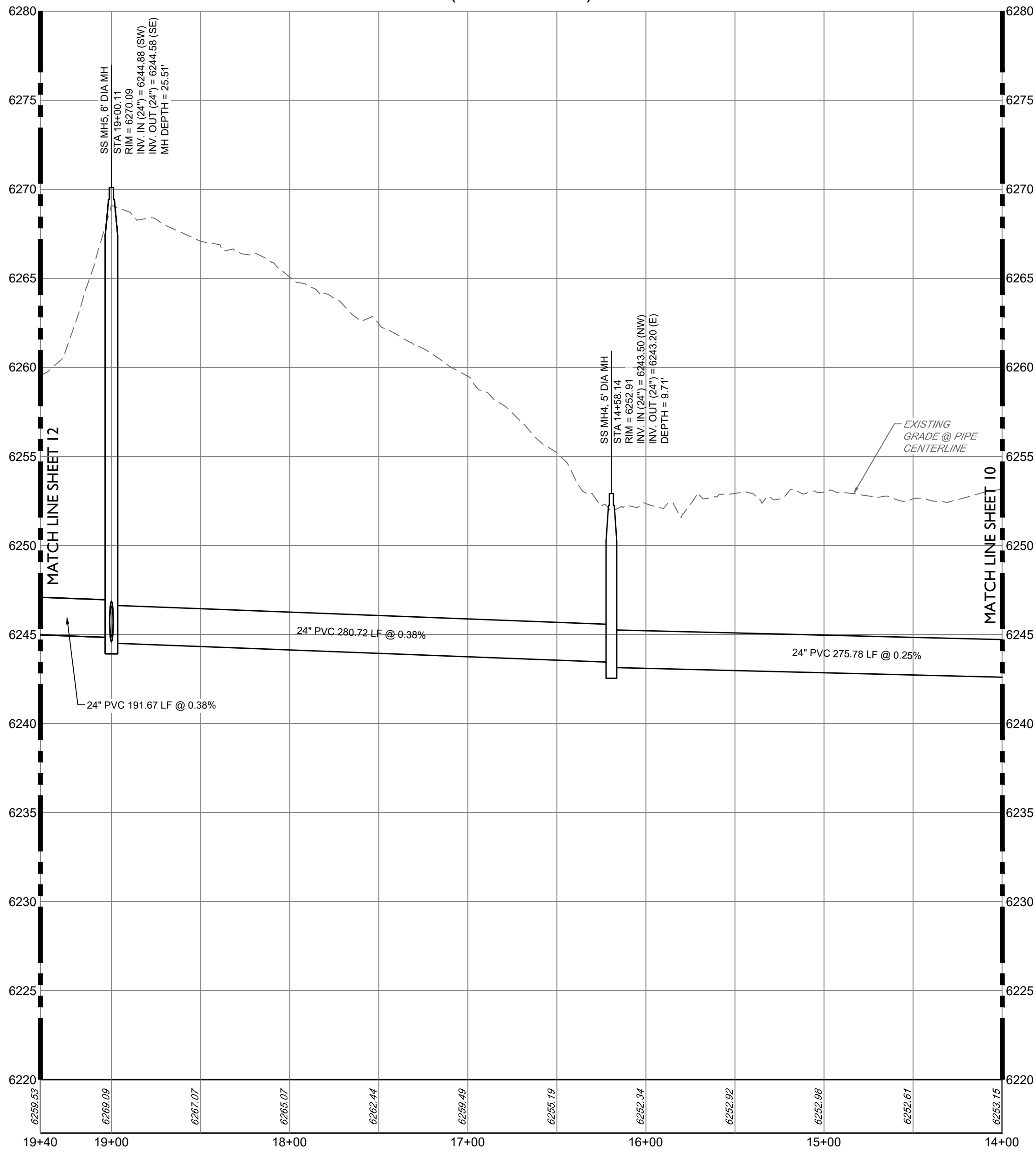
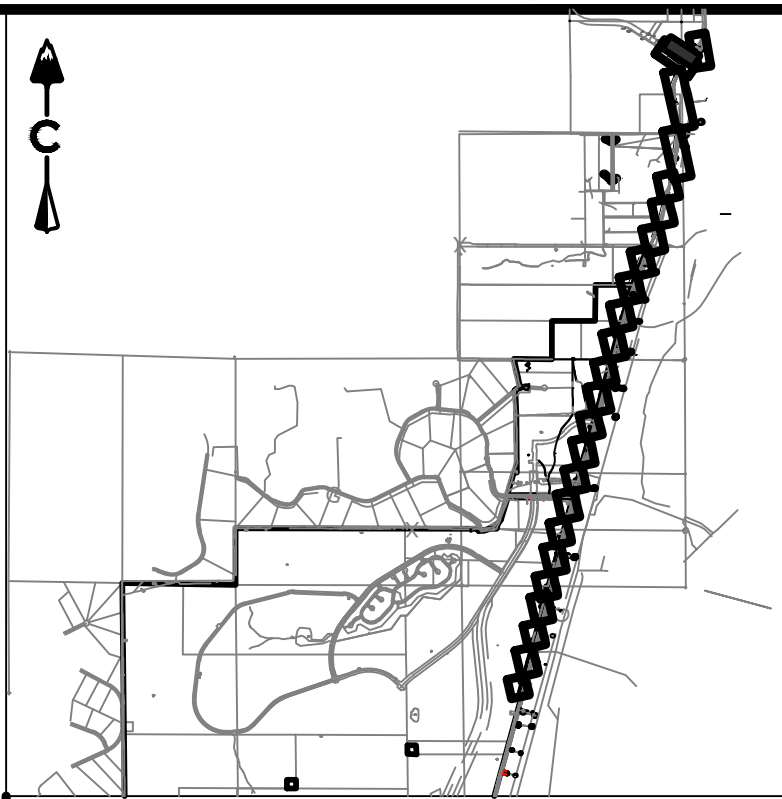
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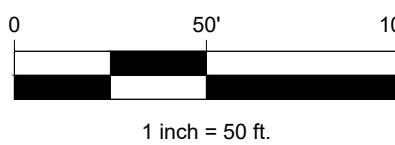


SSWR-TOCR SSWR INFRA (19+40-14+00)



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
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---	MAINTENANCE ACCESS
---	BLOCK NUMBER
---	LIMITS OF CONSTRUCTION (LOC)

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STATE OF COLORADO # 48992

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APPROVED BY:

DEVELOPMENT SERVICES

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A	1ST SUBMITTAL	12/22/22	KJR

DAWSON TRAILS OFFSITE SANITARY SEWER

CASTLE ROCK, COLORADO

CONSTRUCTION DOCUMENTS
SANITARY P&P (2 OF 15)



DESIGNED BY: JMB
DRAWN BY: MGB
CHECKED BY: KJR

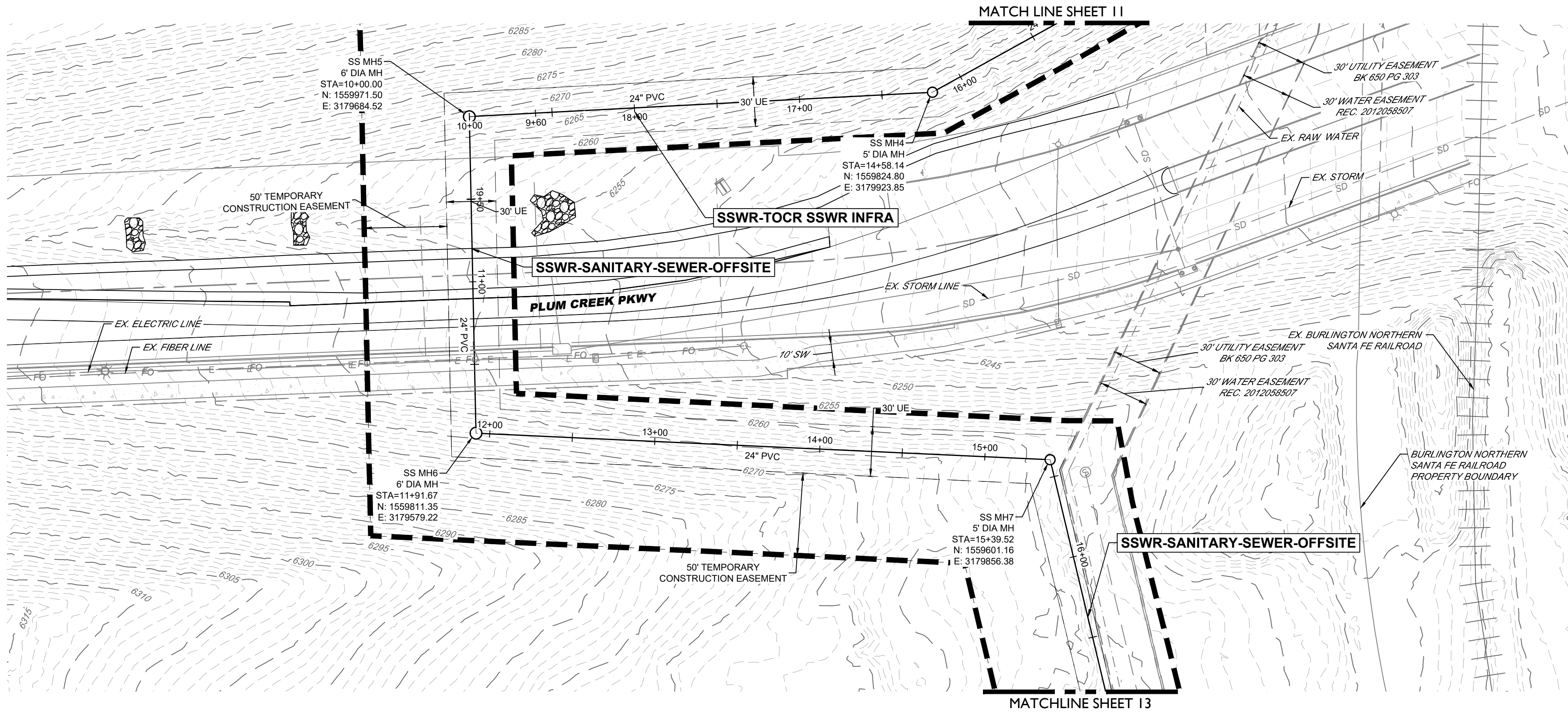
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20-224

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11 OF 25

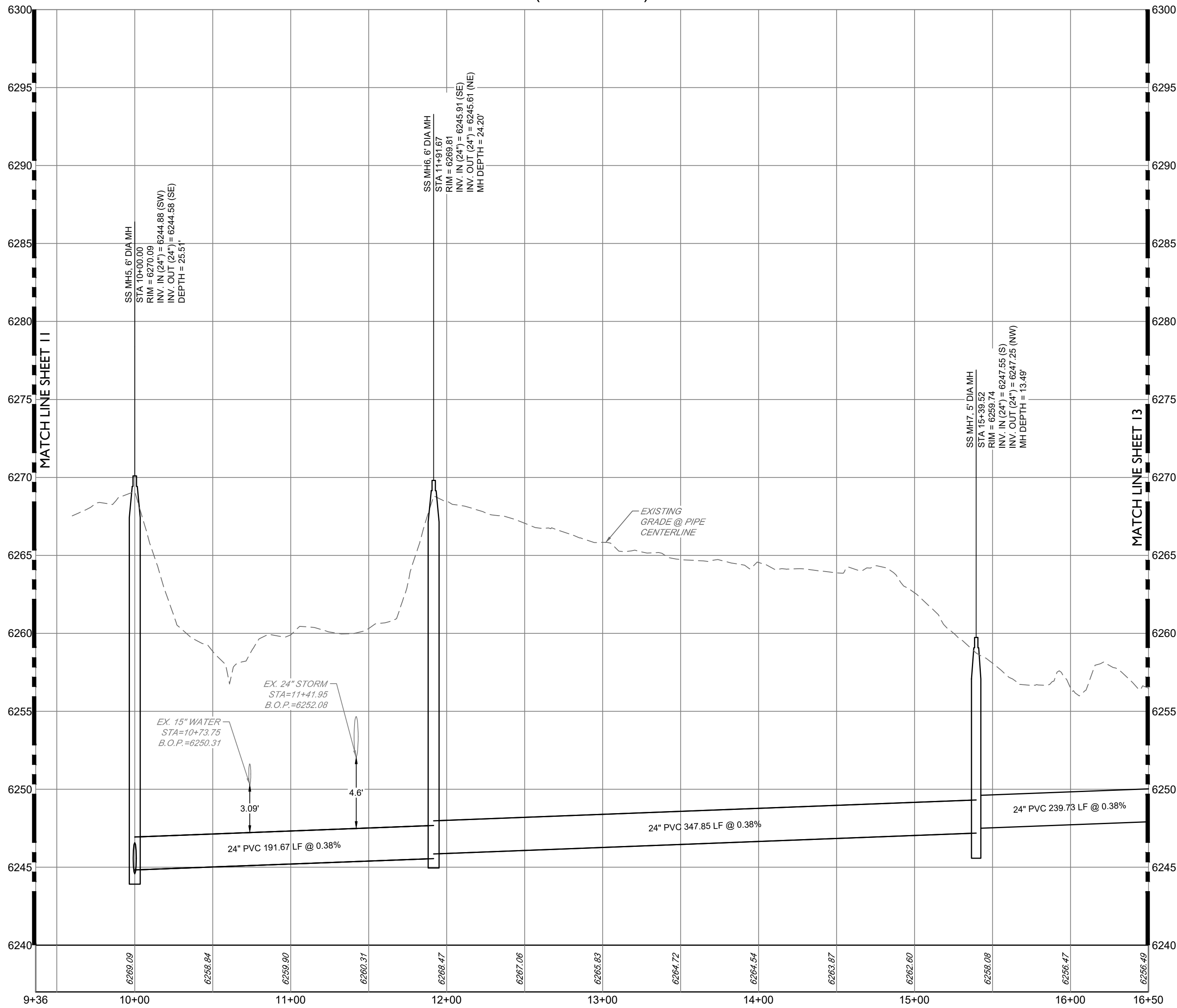
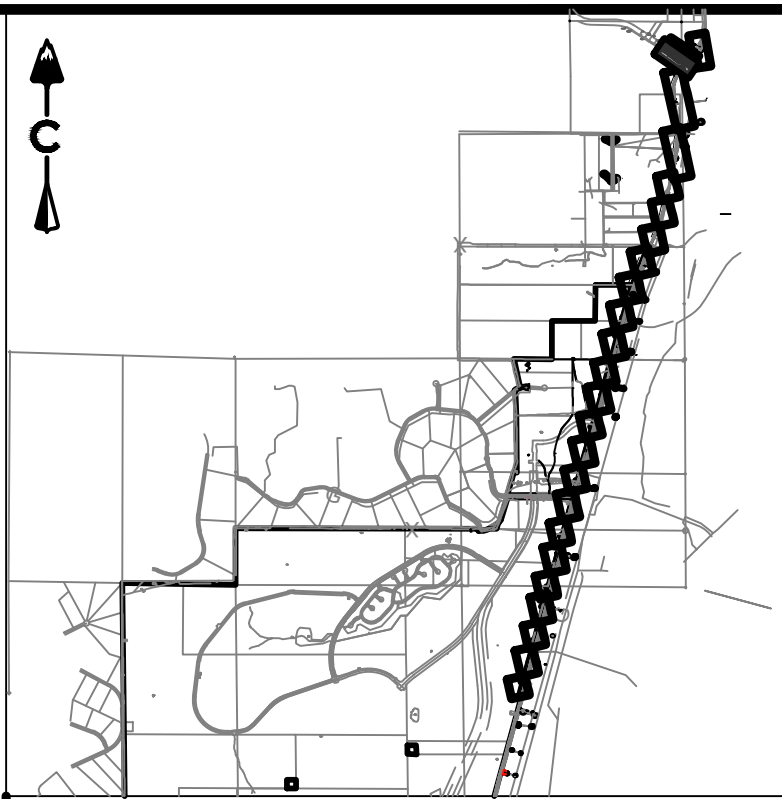
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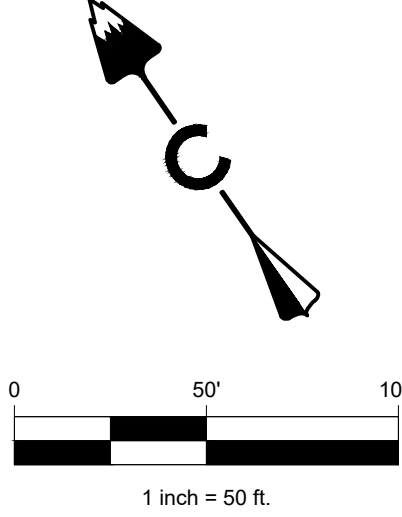


SSWR-SANITARY-SEWER-OFFSITE
(9+36-16+50)



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
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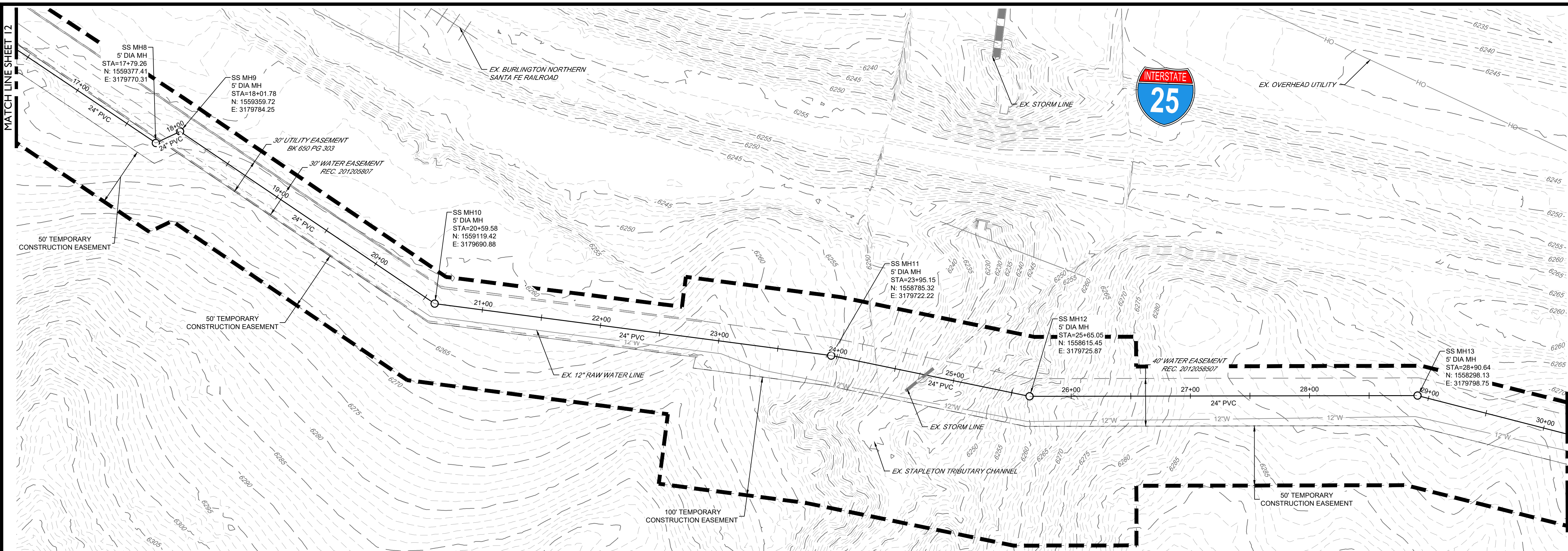
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CONSTRUCTION DOCUMENTS
SANITARY P&P (3 OF 15)

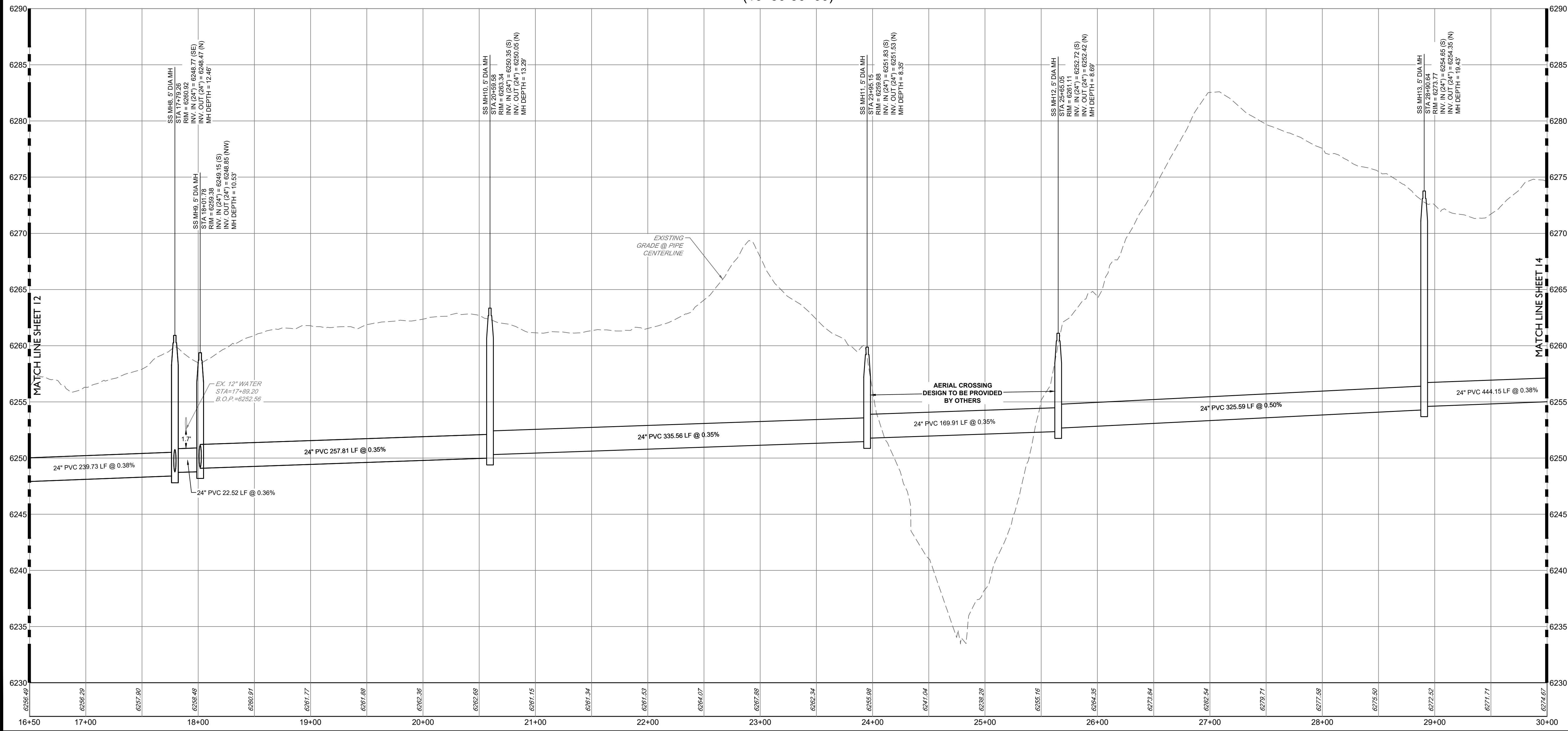
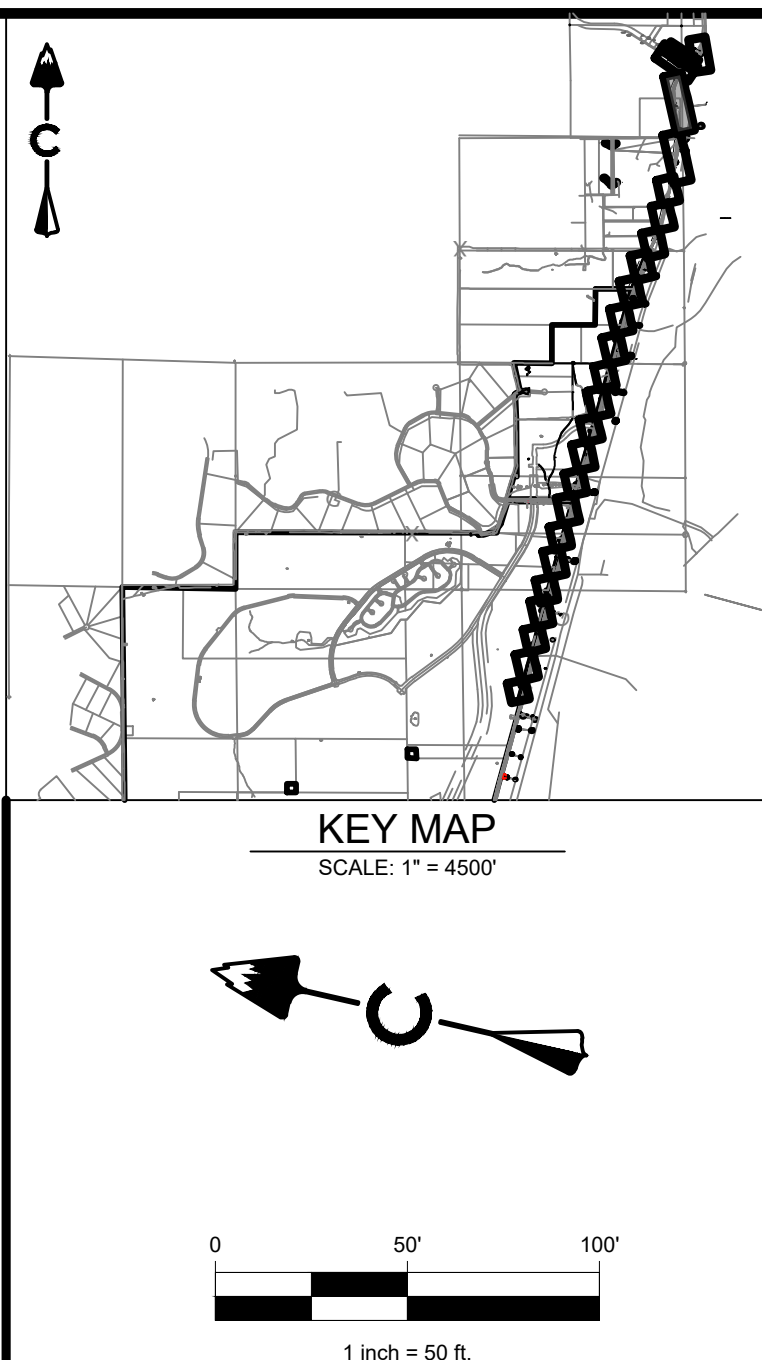


DESIGNED BY: JMB
DRAWN BY: MGB
CHECKED BY: KJR

JOB NO.
20-224
SHEET
12 OF 25



SSWR-SANITARY-SEWER-OFFSITE
(16+50-30+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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KEVIN J. ROHRBOUGH
STATE OF COLORADO # 48992

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: JMB
DRAWN BY: MGB
CHECKED BY: KJR

DEVELOPMENT SERVICES DATE

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

LAND DEVELOPMENT
ENERGY
PUBLIC INFRASTRUCTURE

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811

#	REVISION DESCRIPTION	DATE	BY
A	1ST SUBMITTAL	12/22/22	KJR

DAWSON TRAILS OFFSITE SANITARY SEWER

CASTLE ROCK, COLORADO

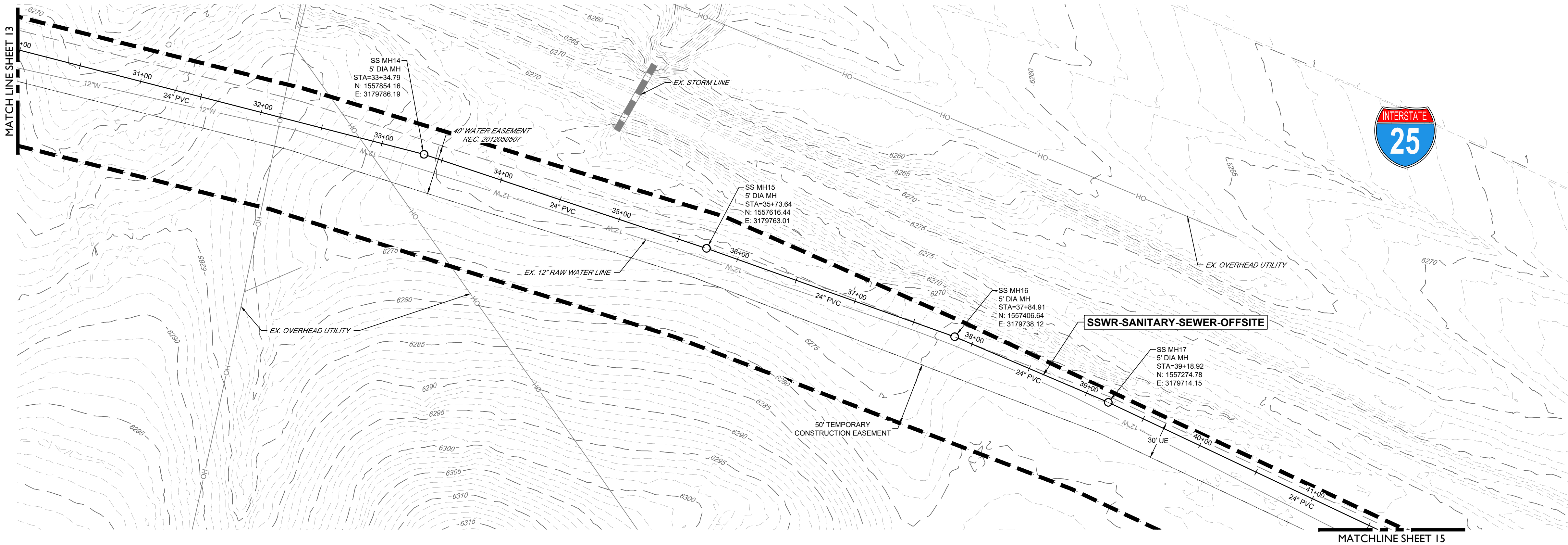
CONSTRUCTION DOCUMENTS

SANITARY P&P (4 OF 15)

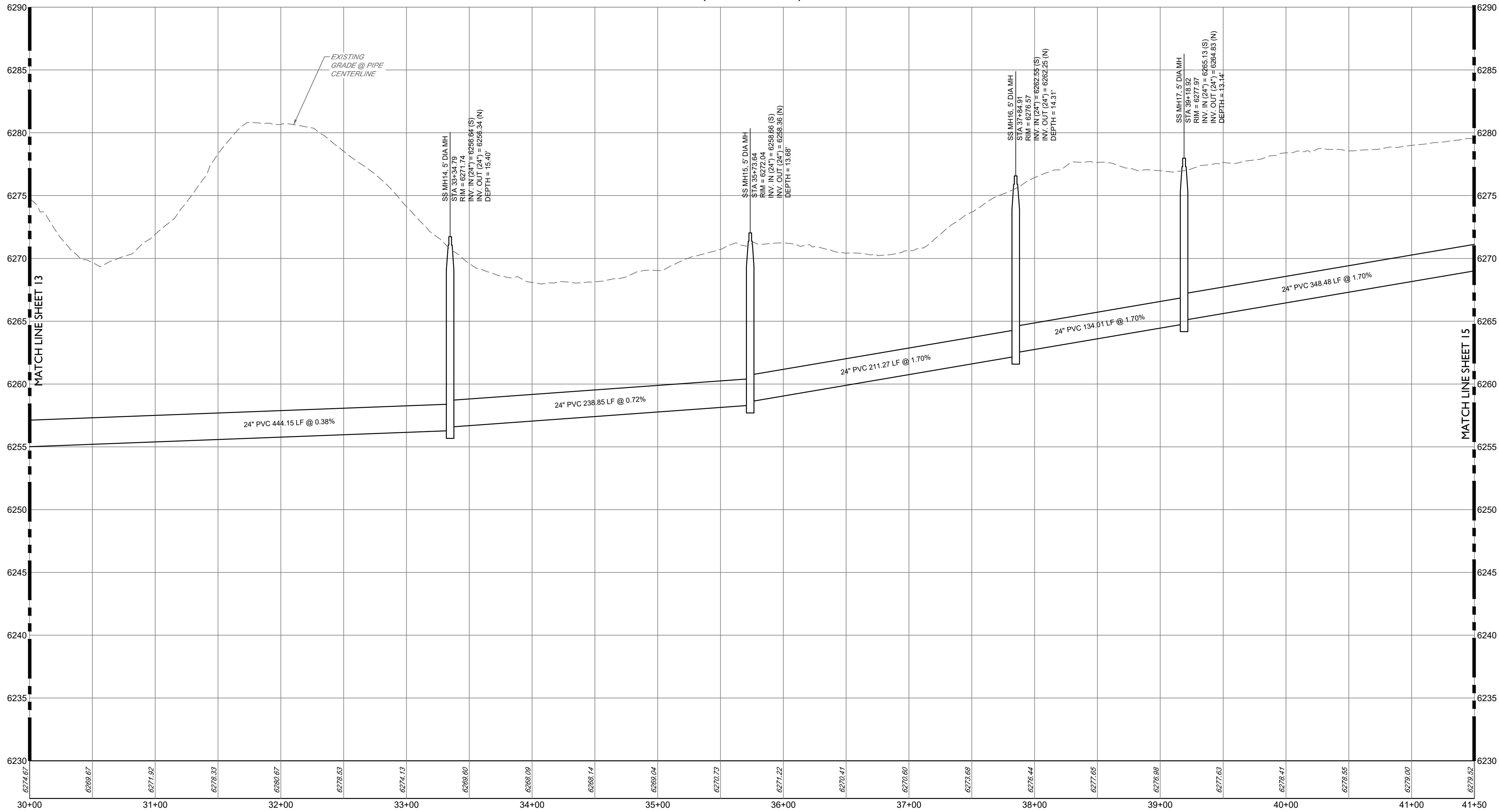
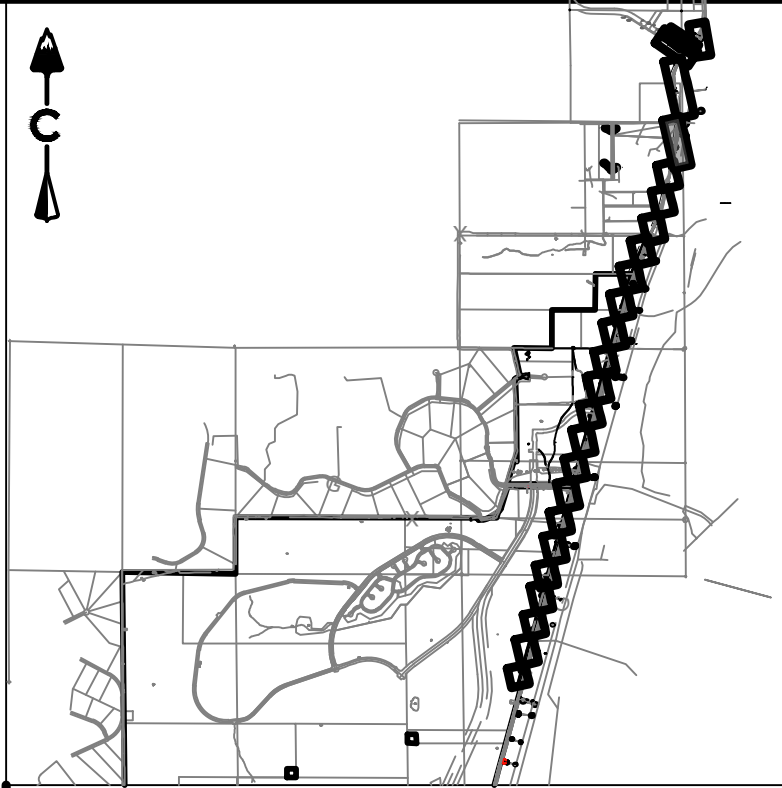
DESIGNED BY: JMB
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JOB NO.
20-224

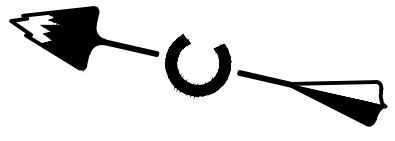
SHEET
13 OF 25



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



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
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---	PROPOSED STORM & STUB OUT
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---	EXISTING
---	PROPOSED
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---	SANITARY CLEAN OUT
---	CRUSHER FINES
---	MAINTENANCE ACCESS
---	BLOCK NUMBER
---	LIMITS OF CONSTRUCTION (LOC)

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STATE OF COLORADO # 48992

TOWN APPROVAL BLOCK

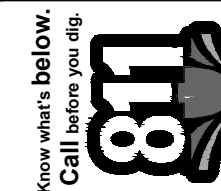
TOWN OF CASTLE ROCK APPROVAL
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APPROVED BY:

DEVELOPMENT SERVICES DATE

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



#	REVISION DESCRIPTION	DATE	BY
A	1ST SUBMITTAL	12/22/22	KJR

DAWSON TRAILS OFFSITE SANITARY SEWER

CASTLE ROCK, COLORADO

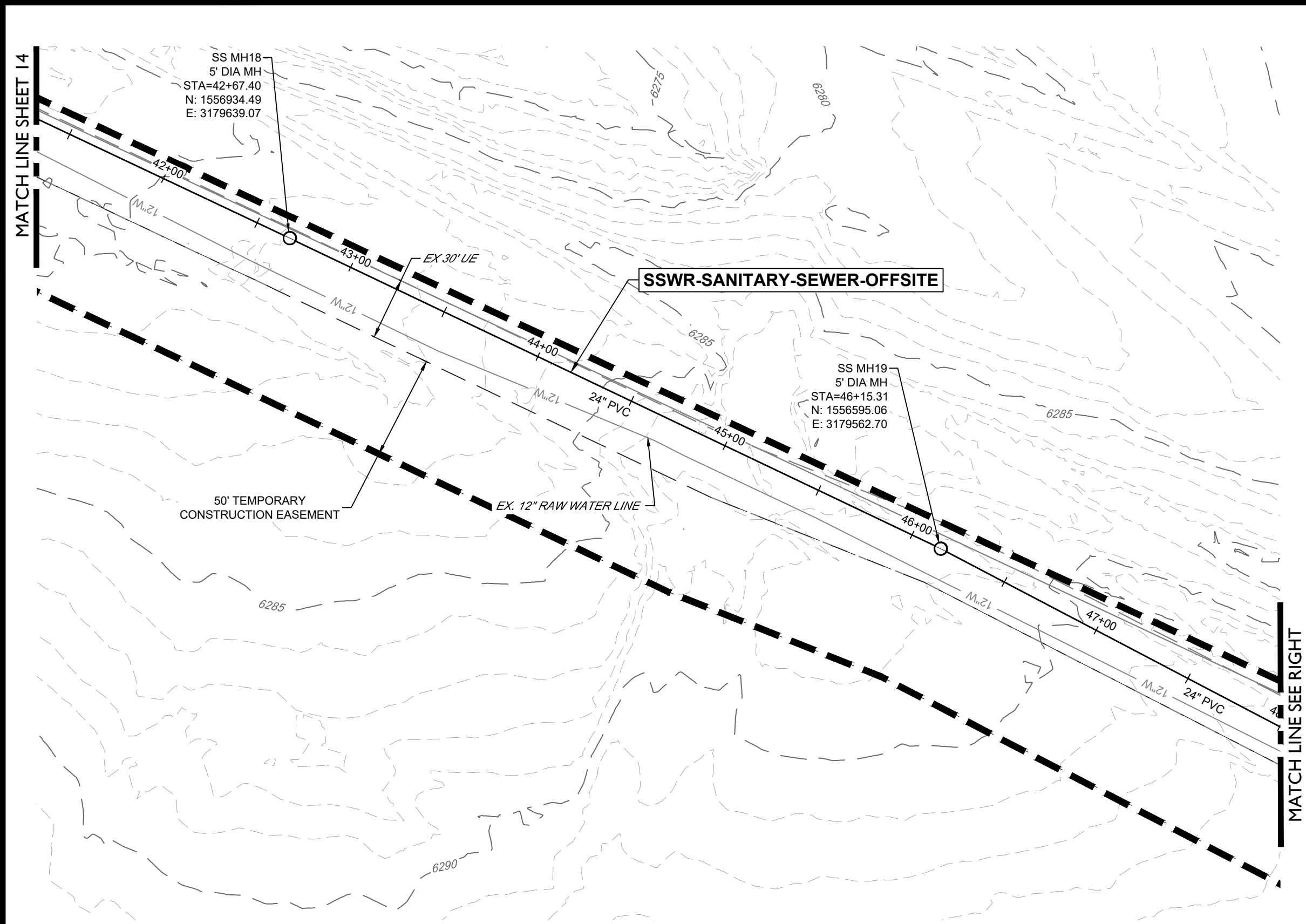
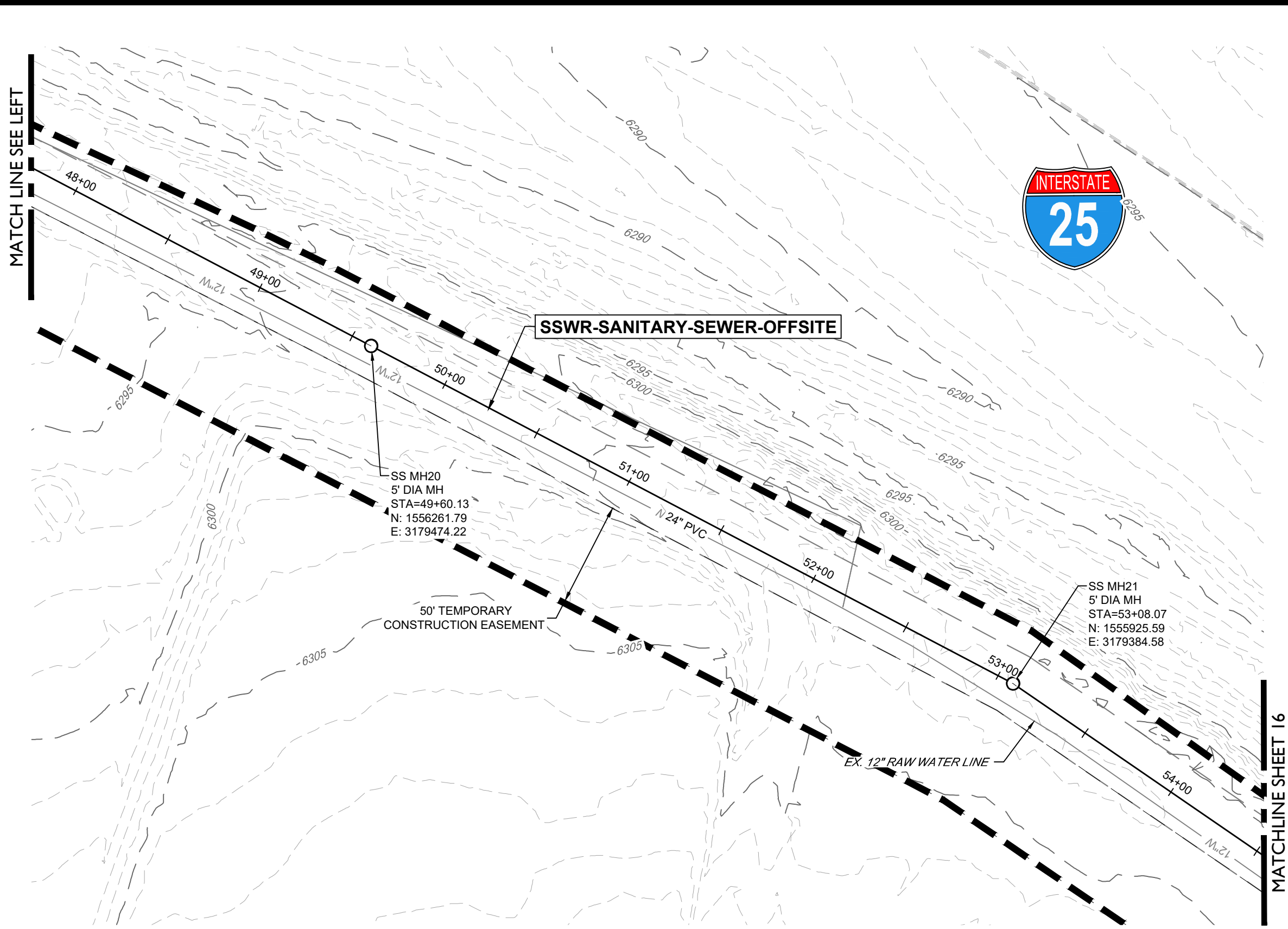
CONSTRUCTION DOCUMENTS

SANITARY P&P (5 OF 15)

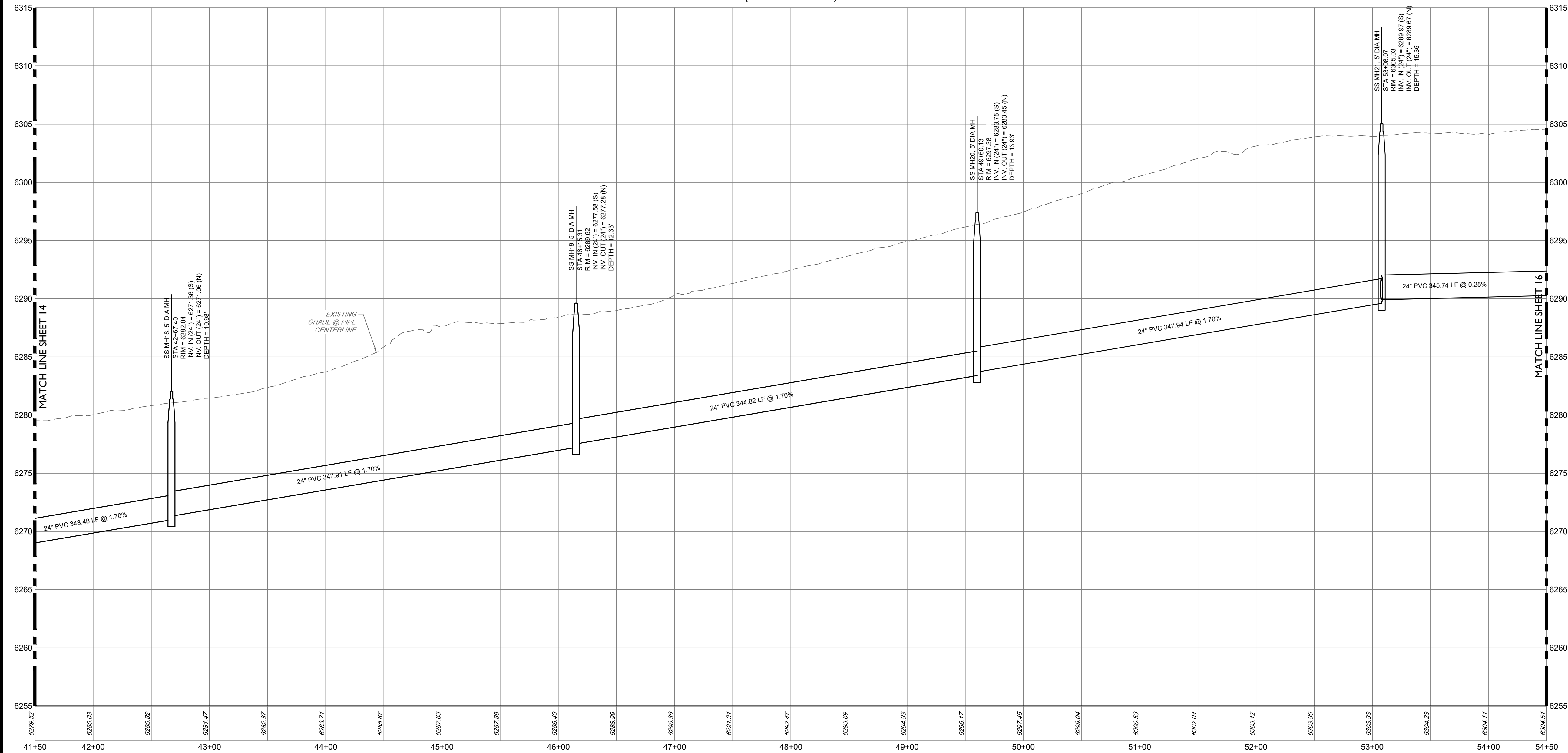
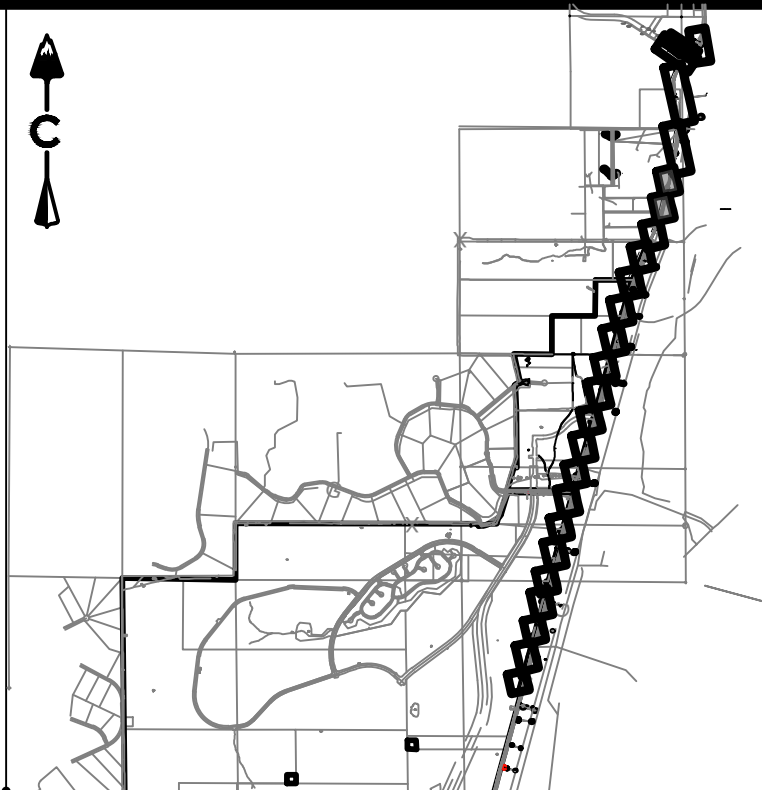
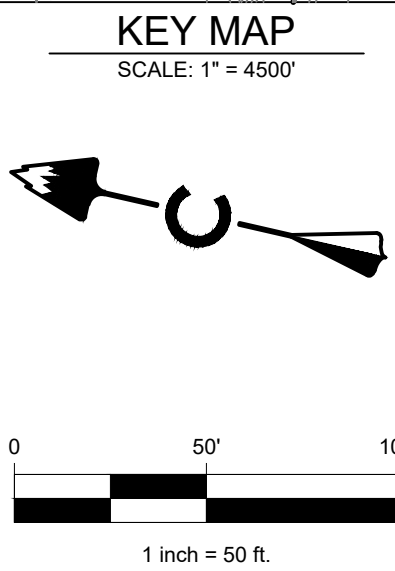


DESIGNED BY: JMB
DRAWN BY: MGB
CHECKED BY: KJR

JOB NO.
20-224
SHEET
14 OF 25



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



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
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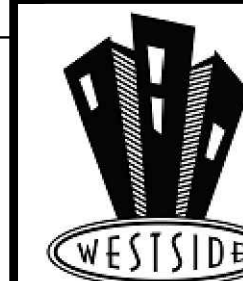
CORE CONSULTANTS, INC.
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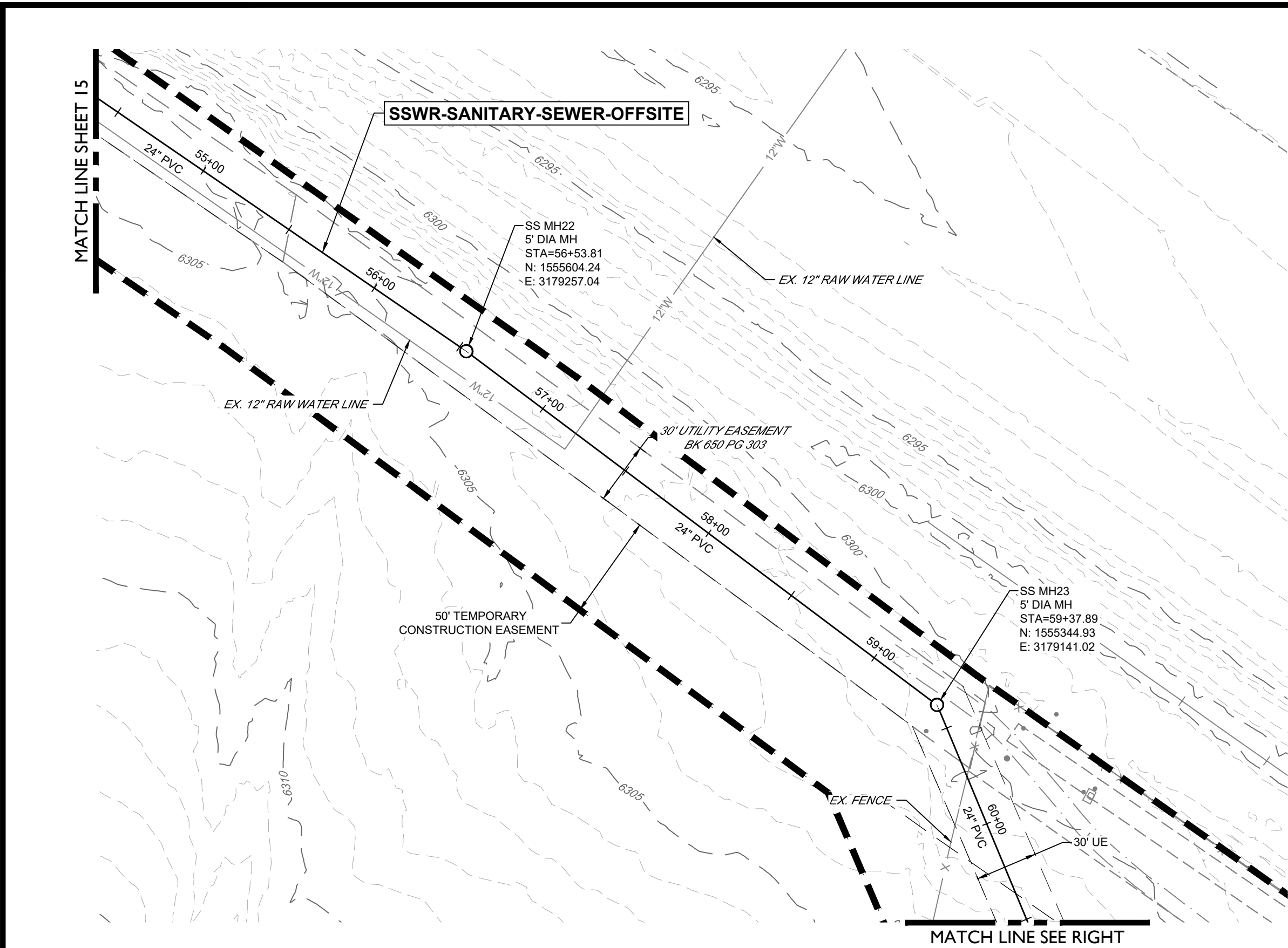
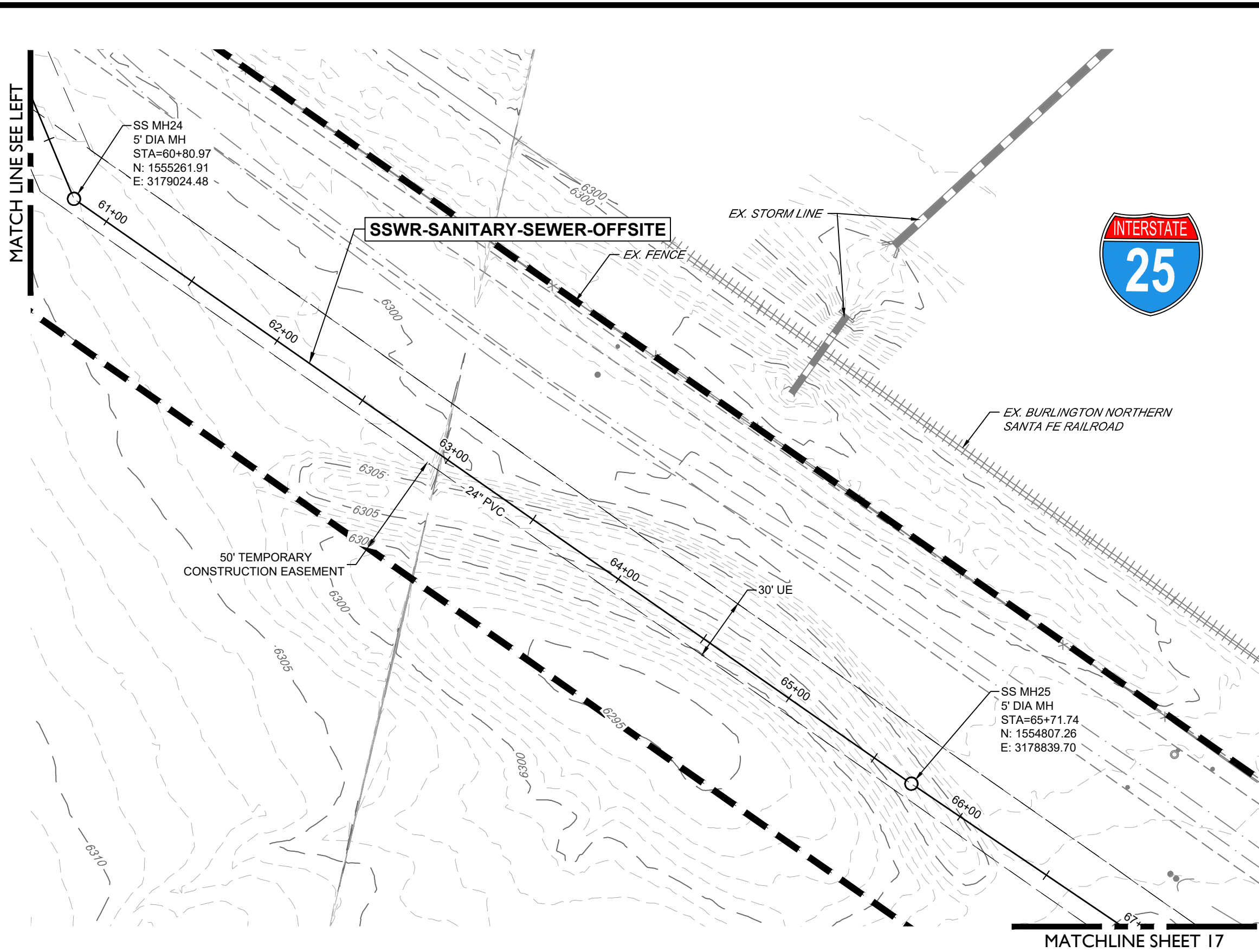
#	REVISION DESCRIPTION	DATE	BY
A	1ST SUBMITTAL	12/22/22	KJR

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

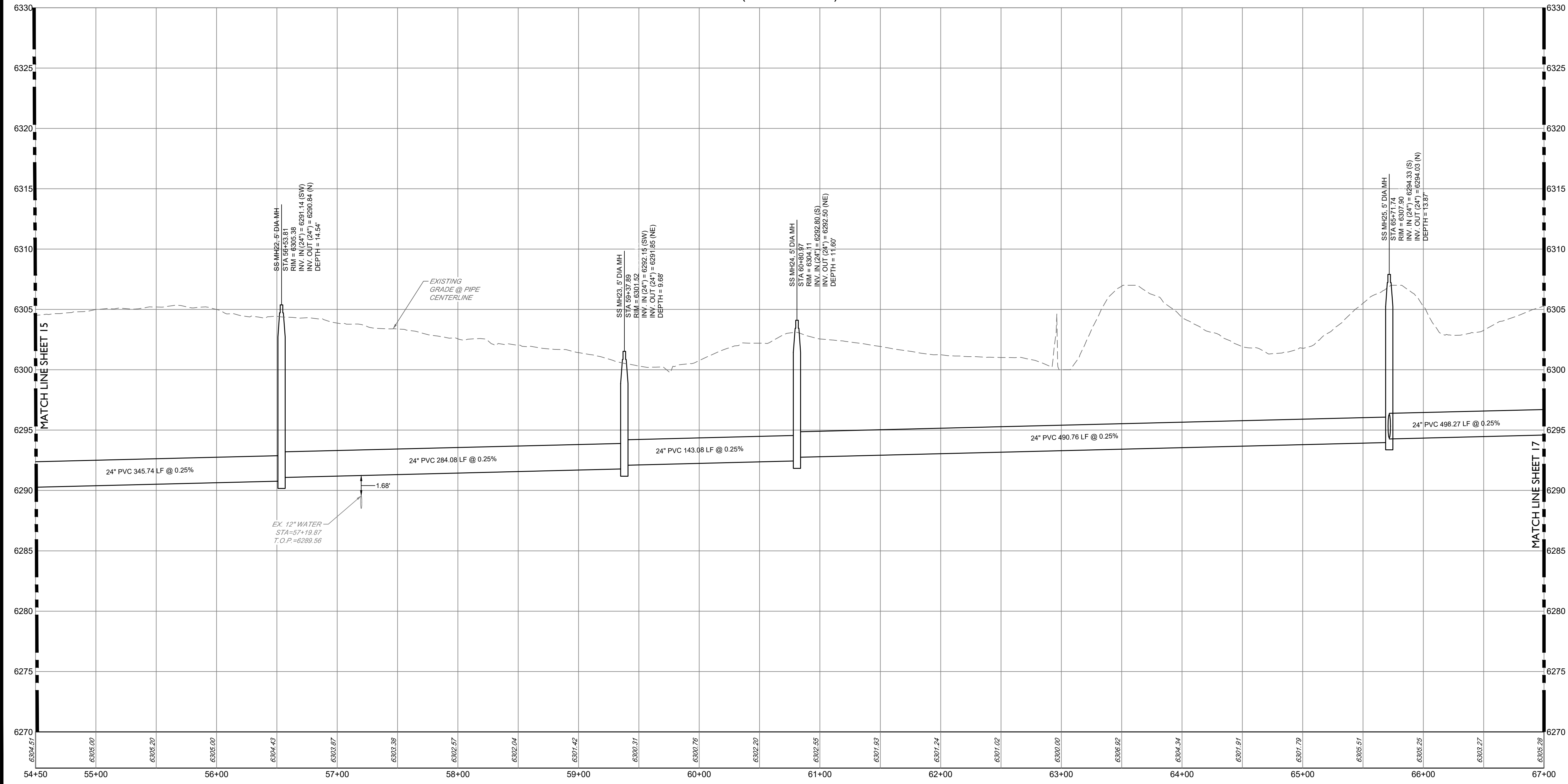
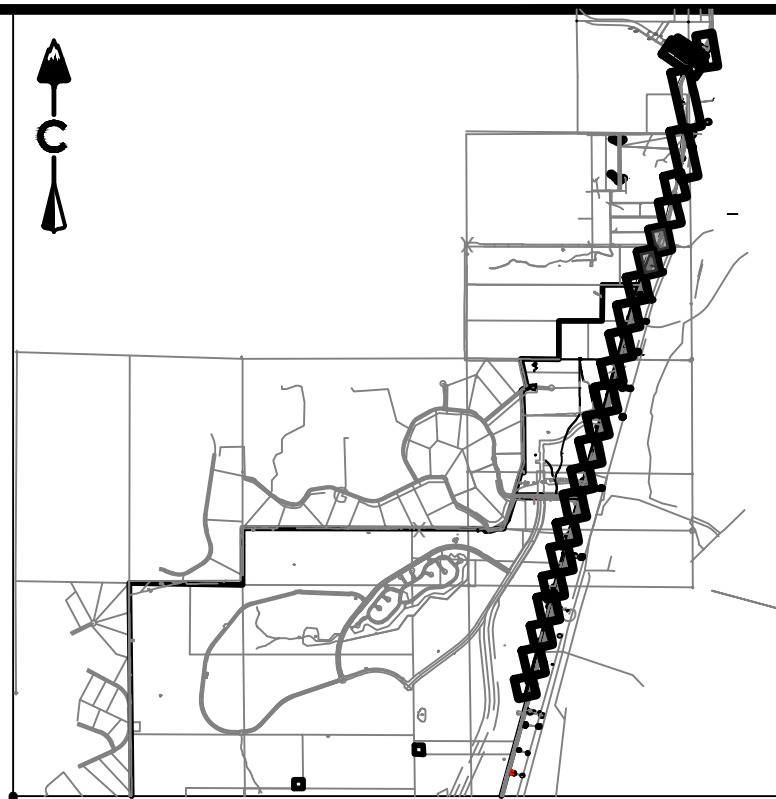


DESIGNED BY: JMB
DRAWN BY: MGB
CHECKED BY: KJR

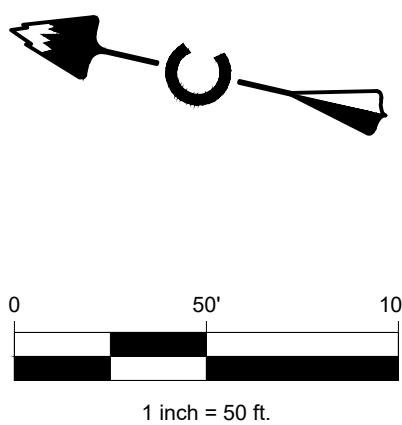
JOB NO.
20-224
SHEET
15 OF 25



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



KEY MAP
SCALE: 1" = 4500'



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

LEGEND

---	EASEMENT
---	RIGHT OF WAY (R.O.W.)
---	CENTERLINE
---	PROJECT BOUNDARY
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STATE OF COLORADO # 48992

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3473 S. BROADWAY
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303.703.4444
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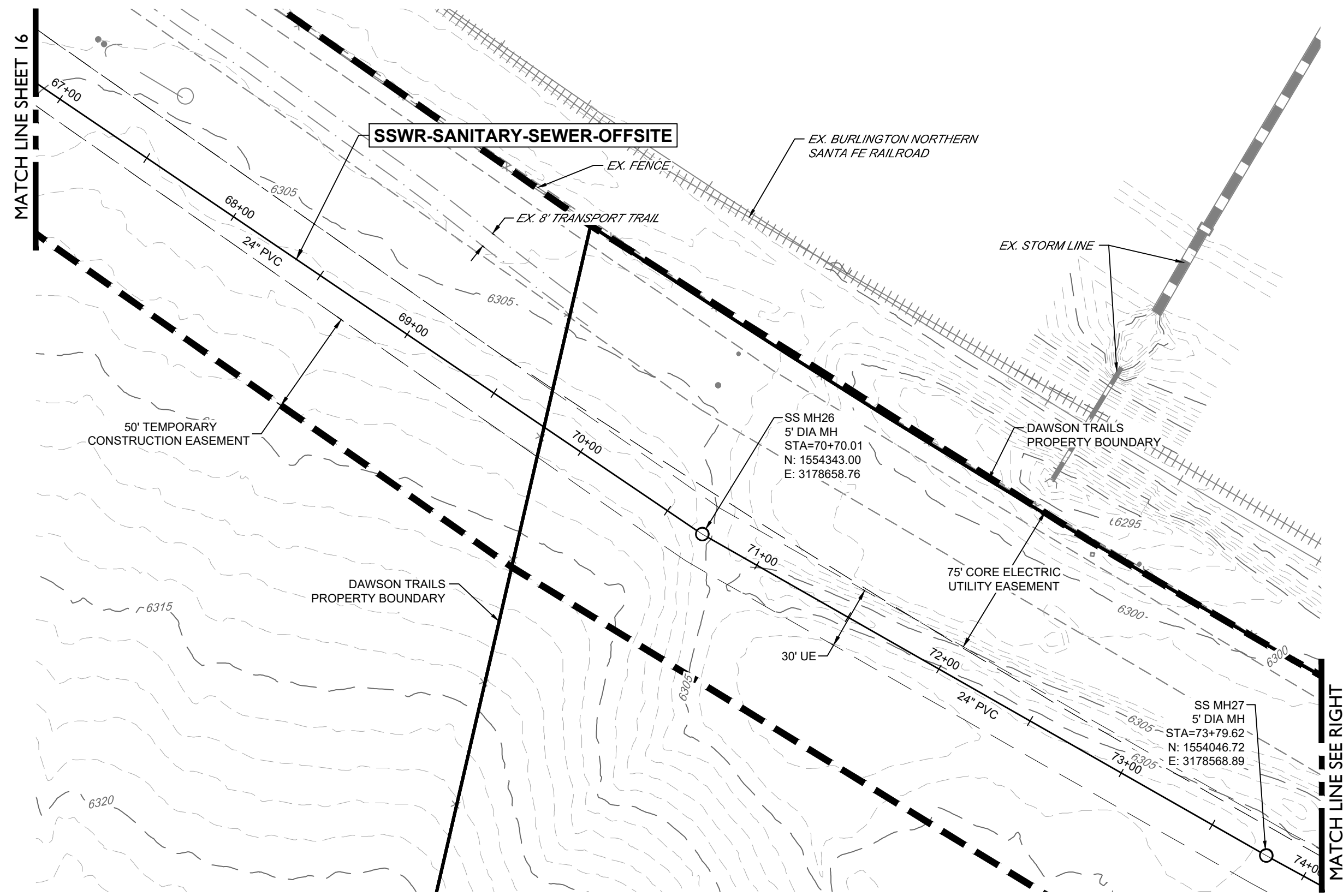
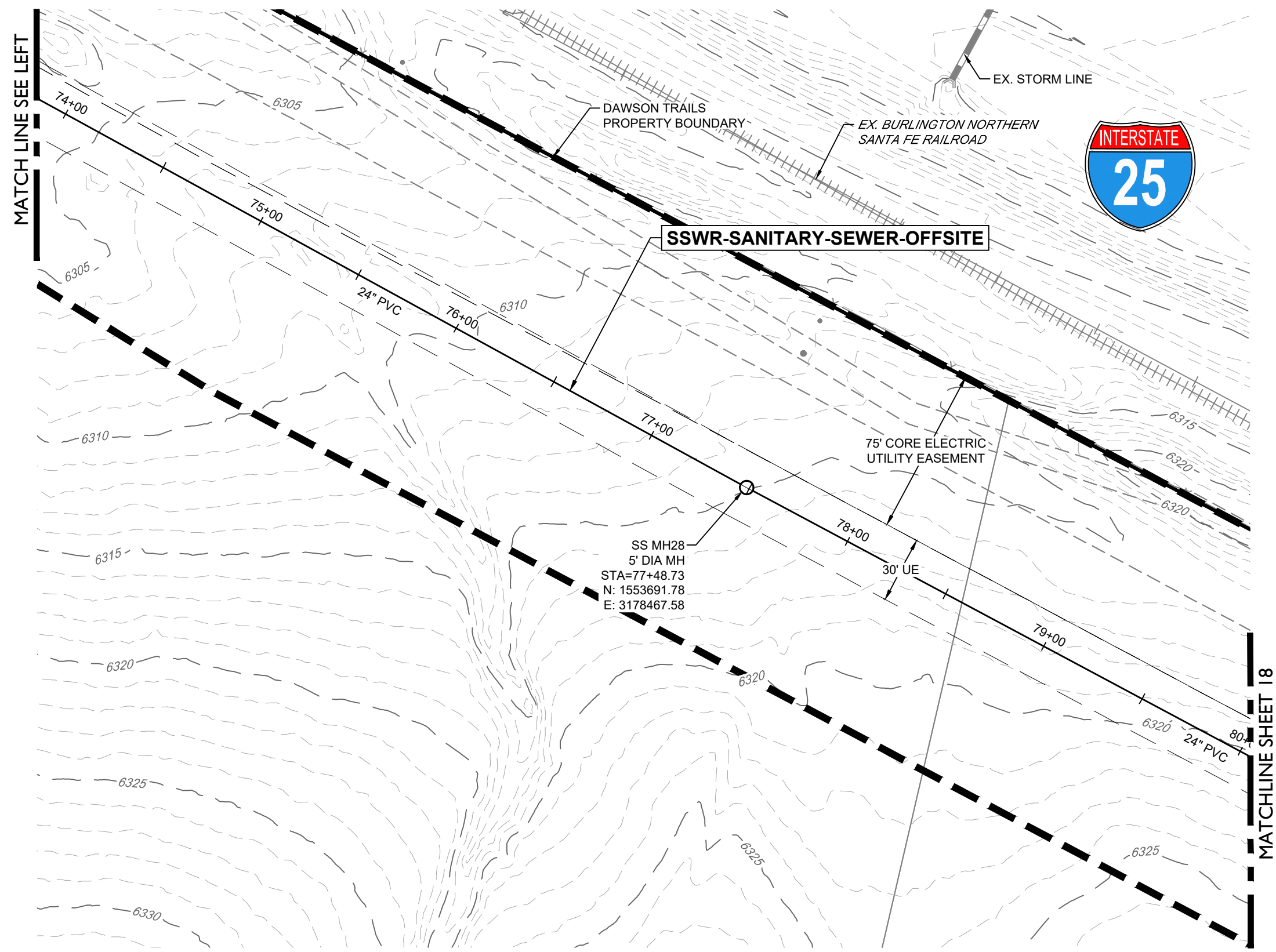
#	REVISION DESCRIPTION	DATE	BY
A	1ST SUBMITTAL	12/22/22	KJR

DAWSON TRAILS OFFSITE SANITARY SEWER
CASTLE ROCK, COLORADO
CONSTRUCTION DOCUMENTS
SANITARY P&P (7 OF 15)

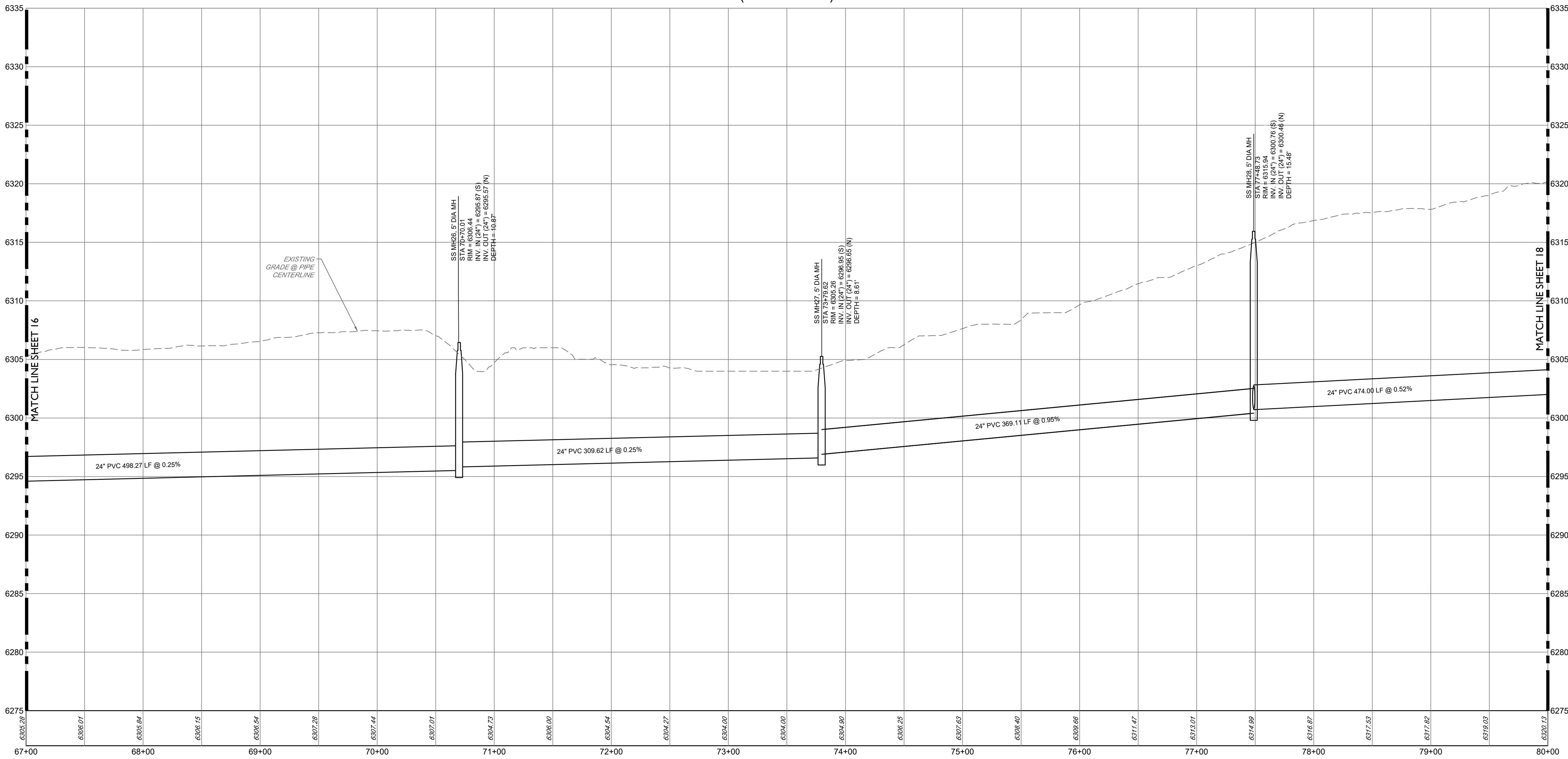
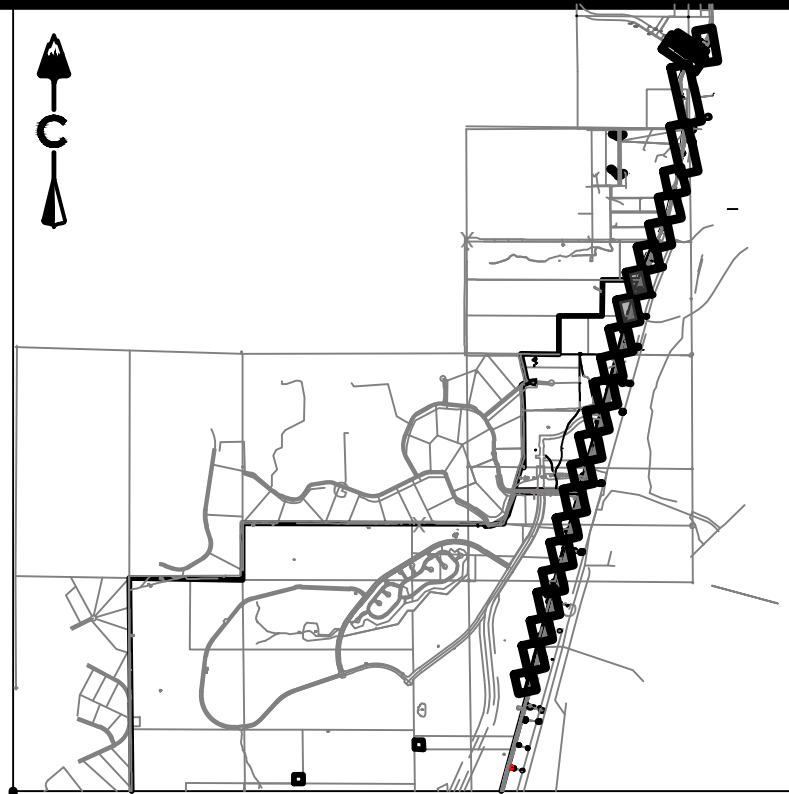


DESIGNED BY: JMB
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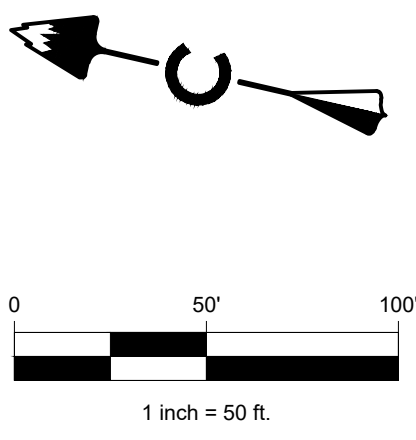
JOB NO.
20-224
SHEET
16 OF 25



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



KEY MAP
SCALE: 1" = 4500'



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

LEGEND

- | | |
|-----|------------------------------|
| --- | EASEMENT |
| --- | RIGHT OF WAY (R.O.W.) |
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3473 S. BROADWAY
SUITE 200, CO 80113
303.703.4444
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CORE



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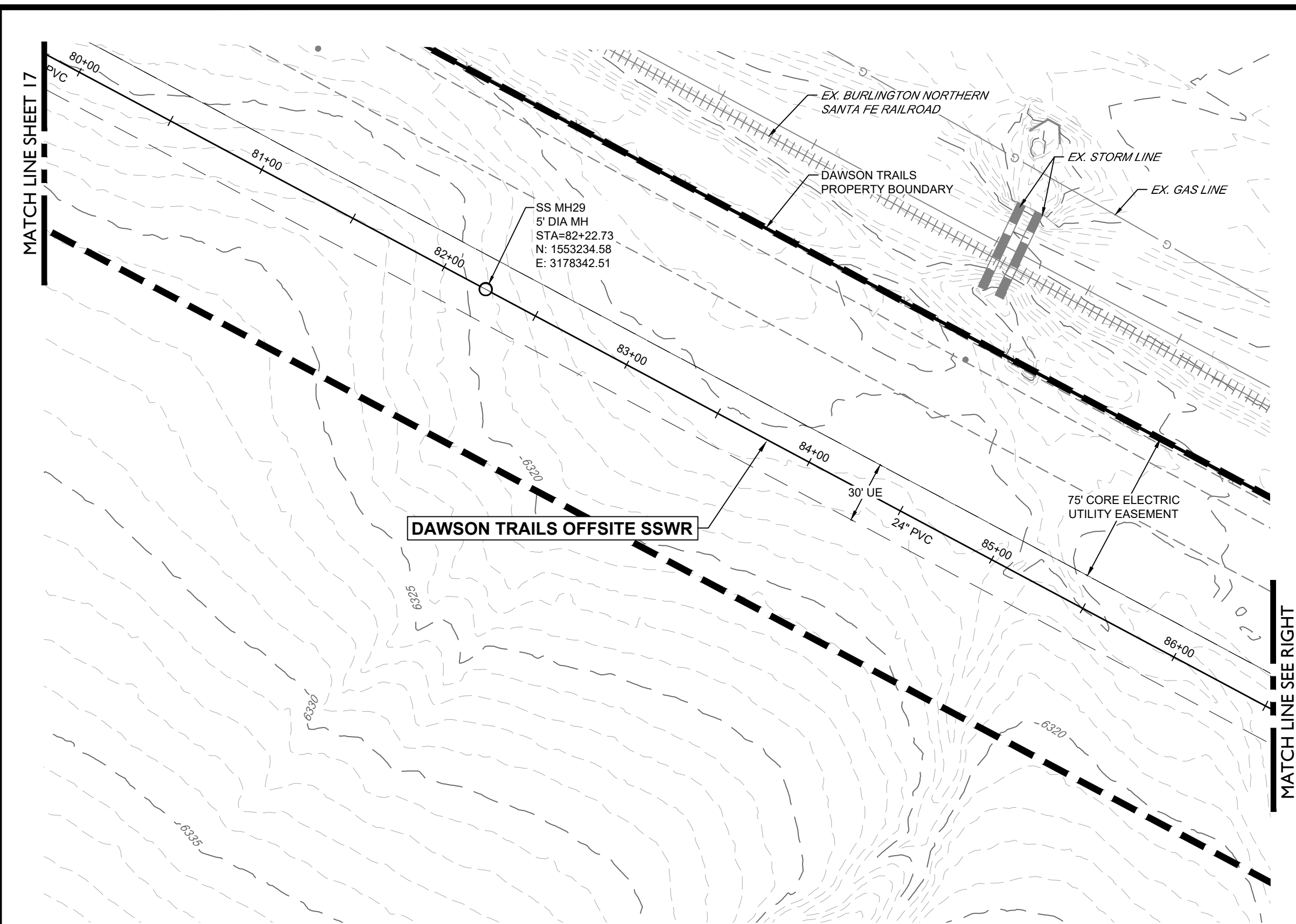
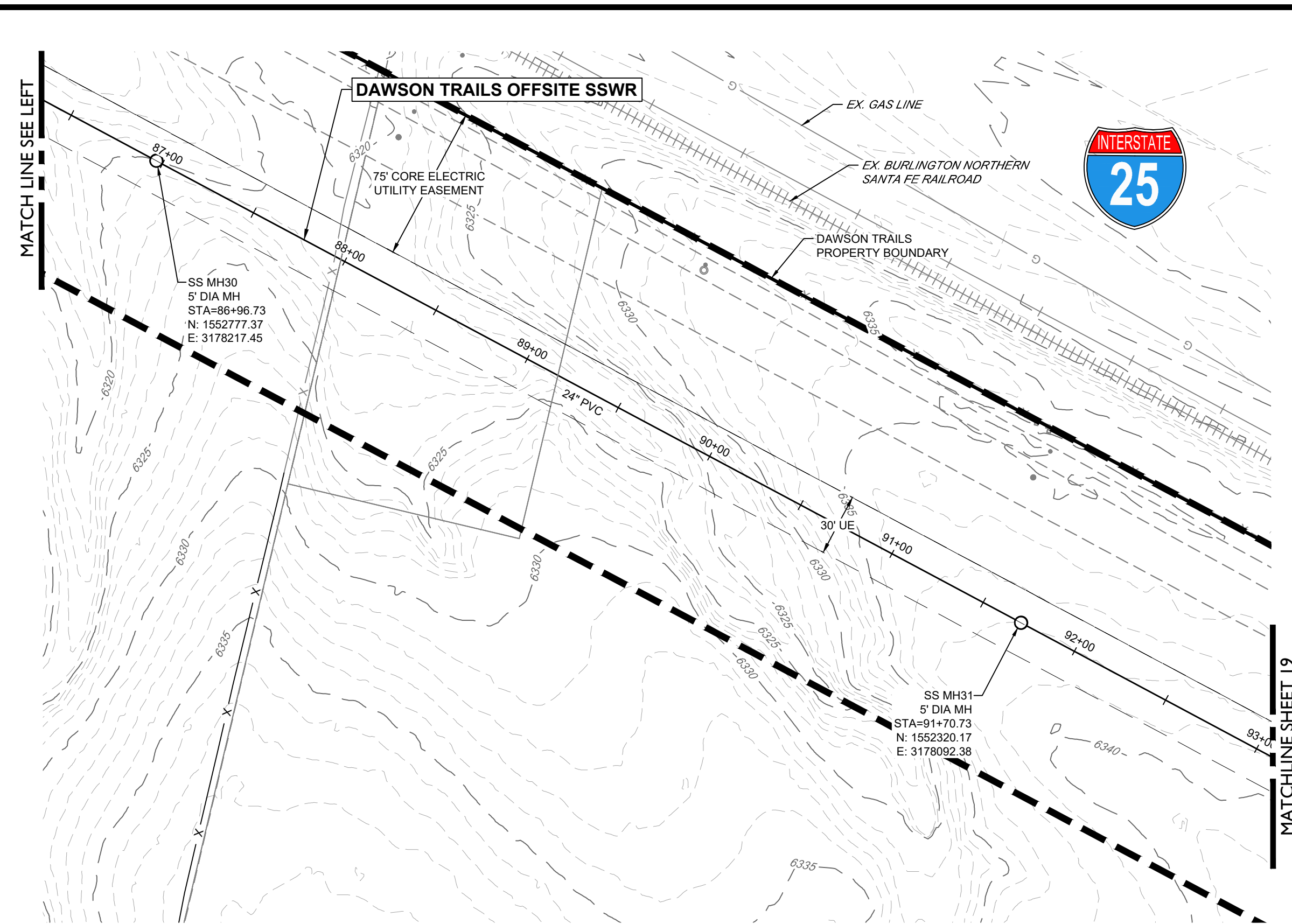
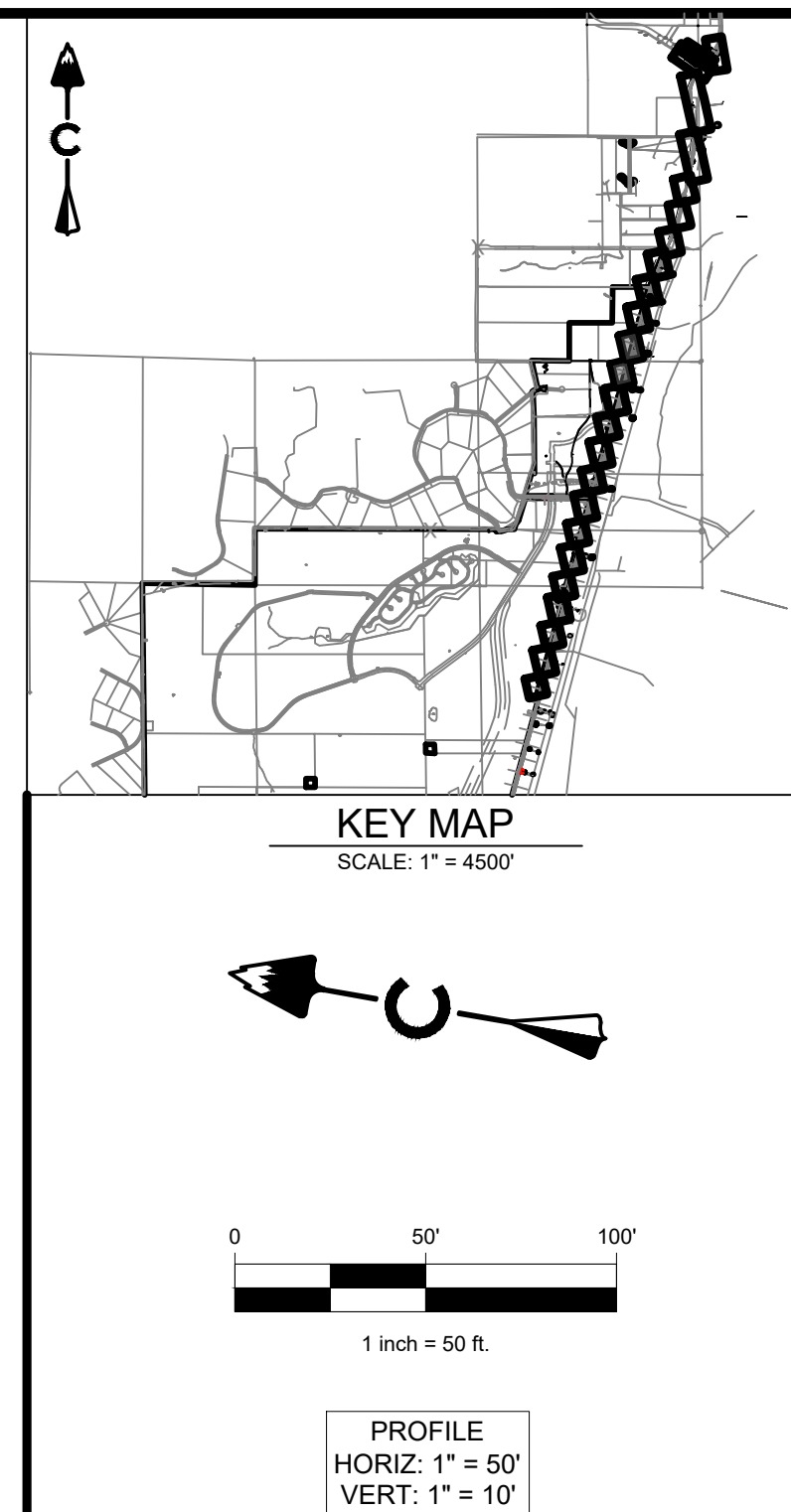
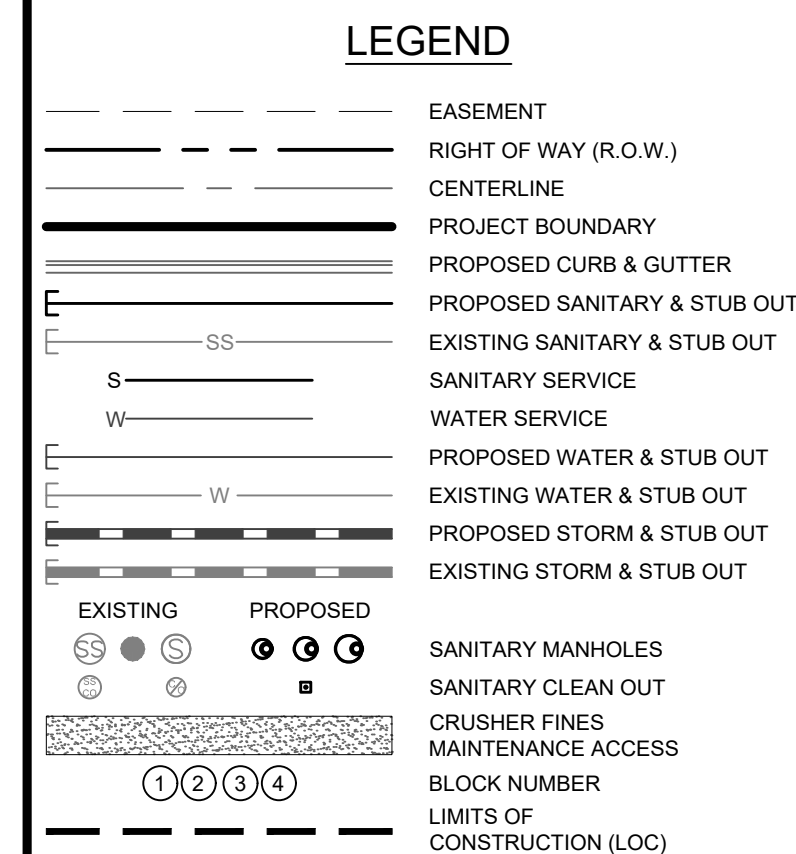
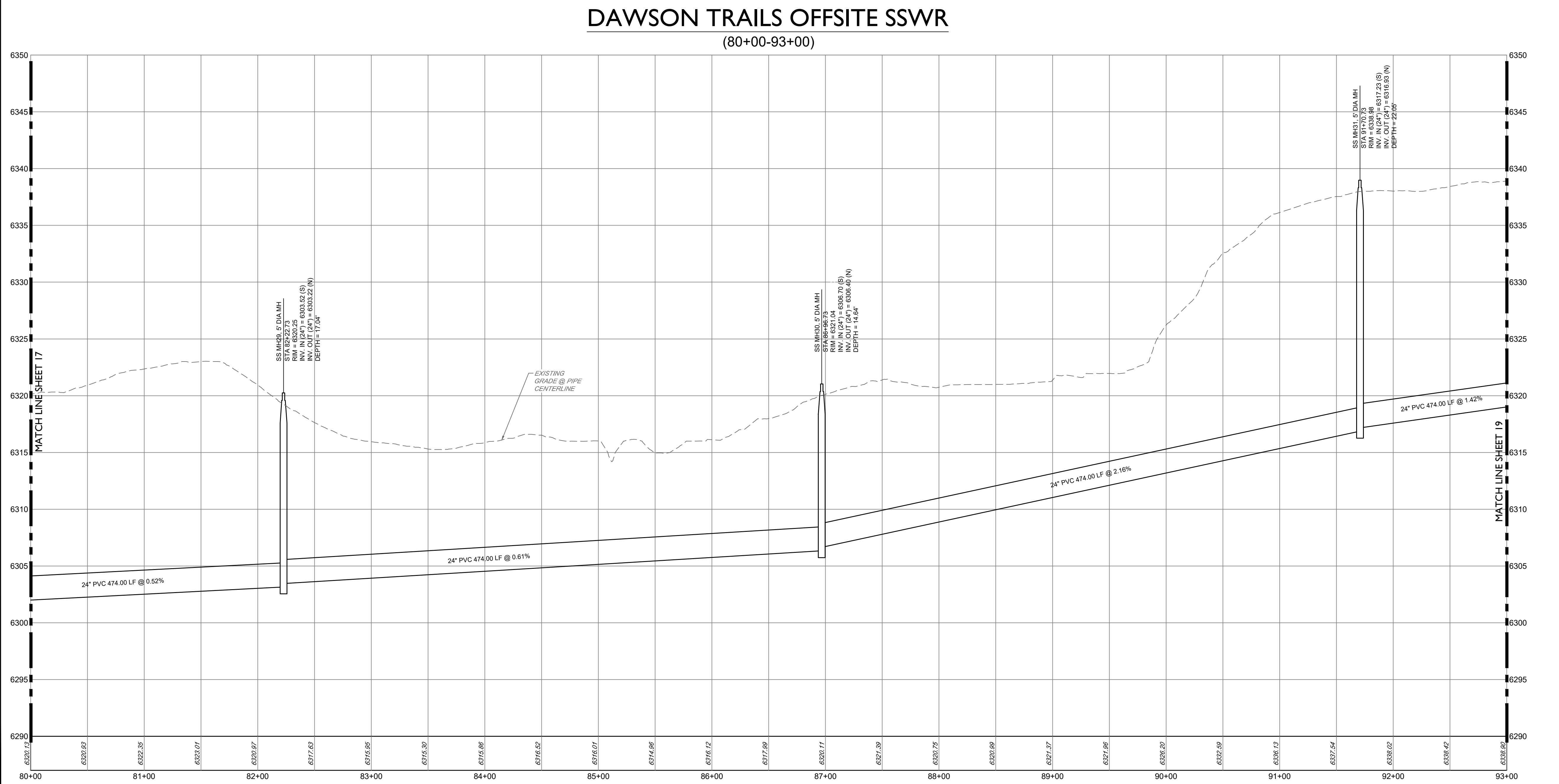
CASTLE ROCK, COLORADO

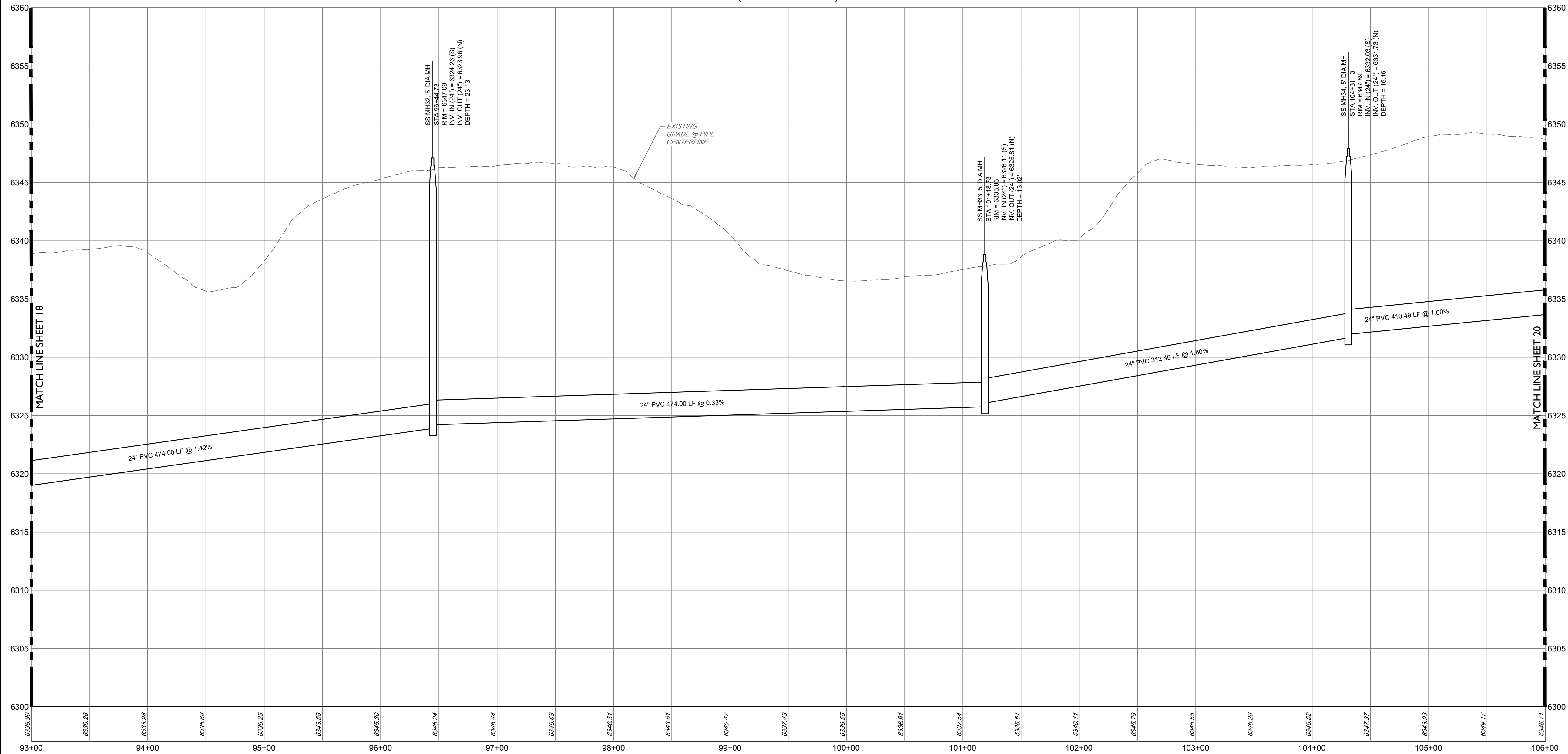
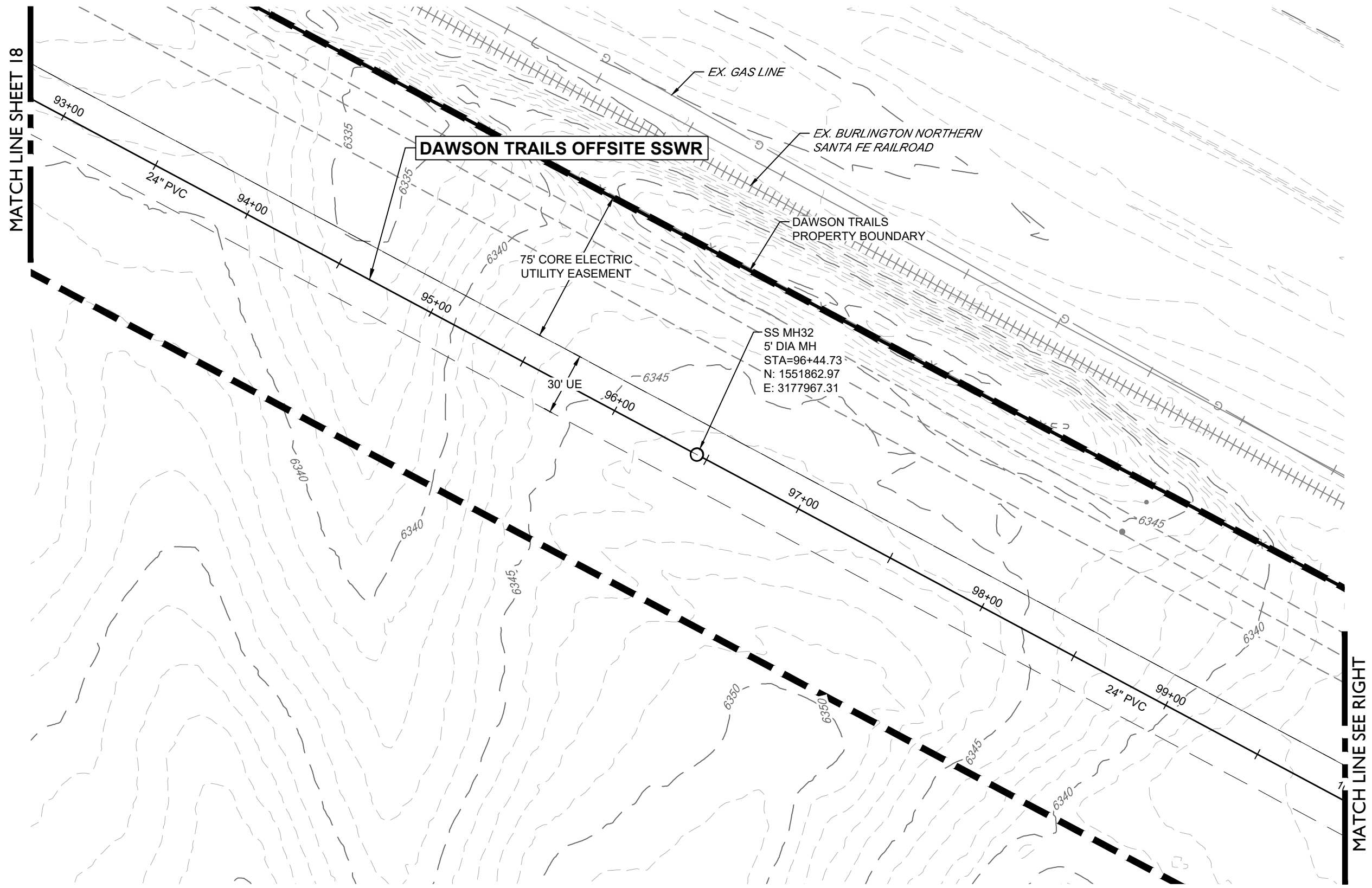
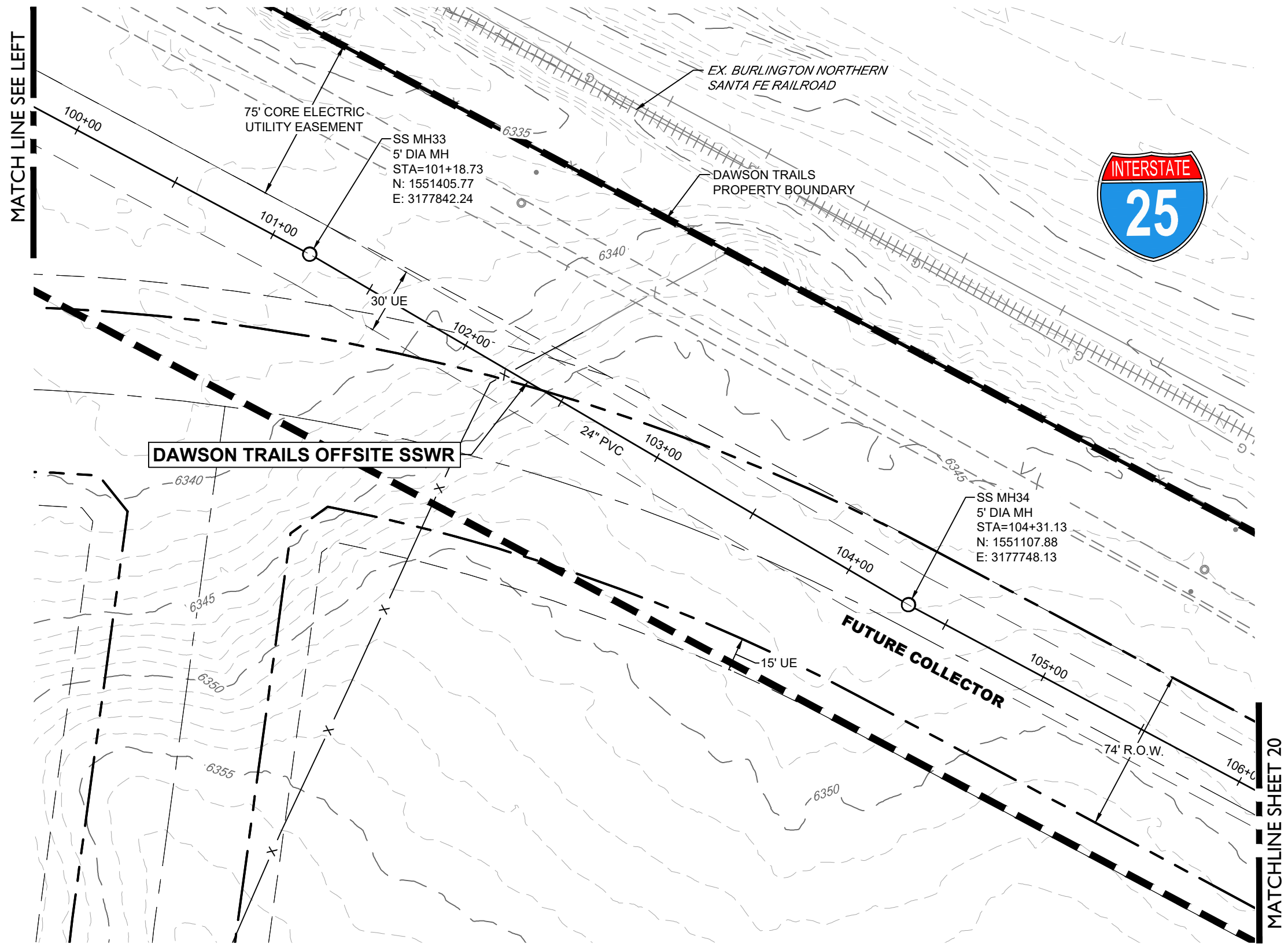
CONSTRUCTION DOCUMENTS
SANITARY P&P (8 OF 15)



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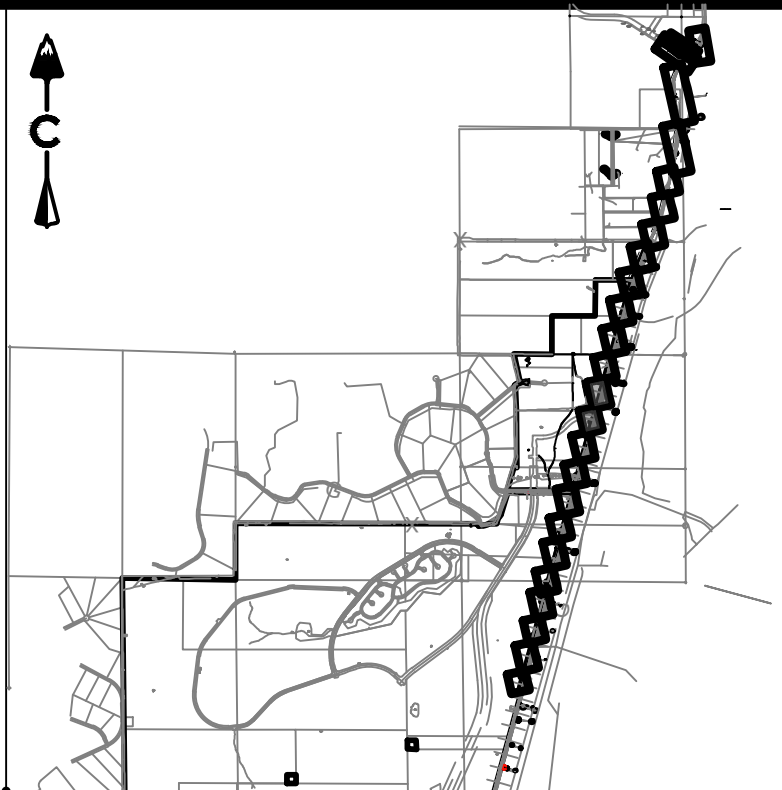
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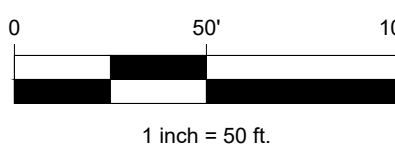


DAWSON TRAILS OFFSITE SSWR

(93+00-106+00)



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)

NOTES:

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PROFESSIONAL ENGINEER CERTIFICATION

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KEVIN J. ROHRBOUGH
STATE OF COLORADO # 48992

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 (10 OF 15)



DESIGNED BY: JMB
DRAWN BY: MGB
CHECKED BY: KJR

JOB NO.
20-224

SHEET
19 OF 25

Know what's below.
Call before you dig.

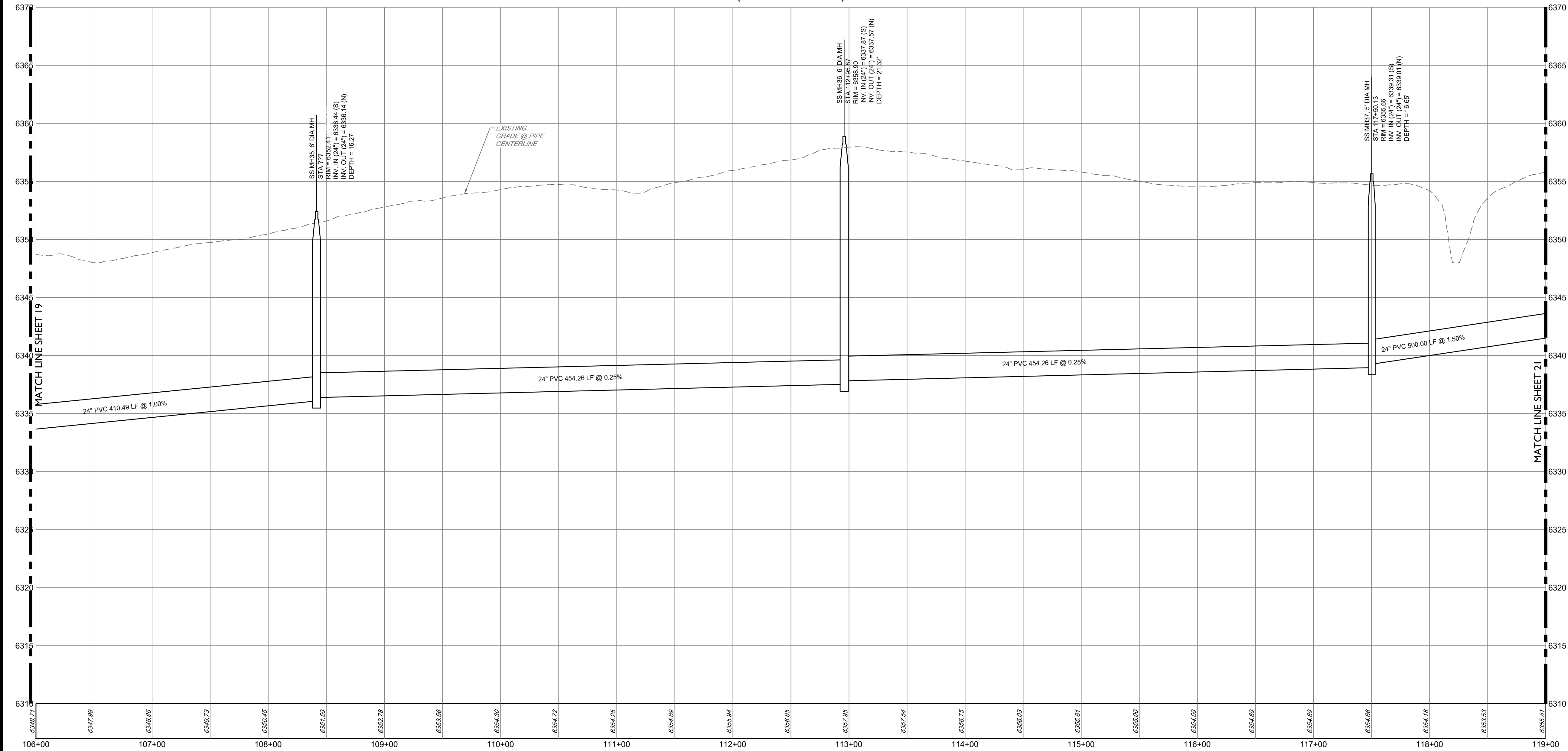


#	REVISION DESCRIPTION	DATE	BY
A	1ST SUBMITTAL	12/22/22	KJR

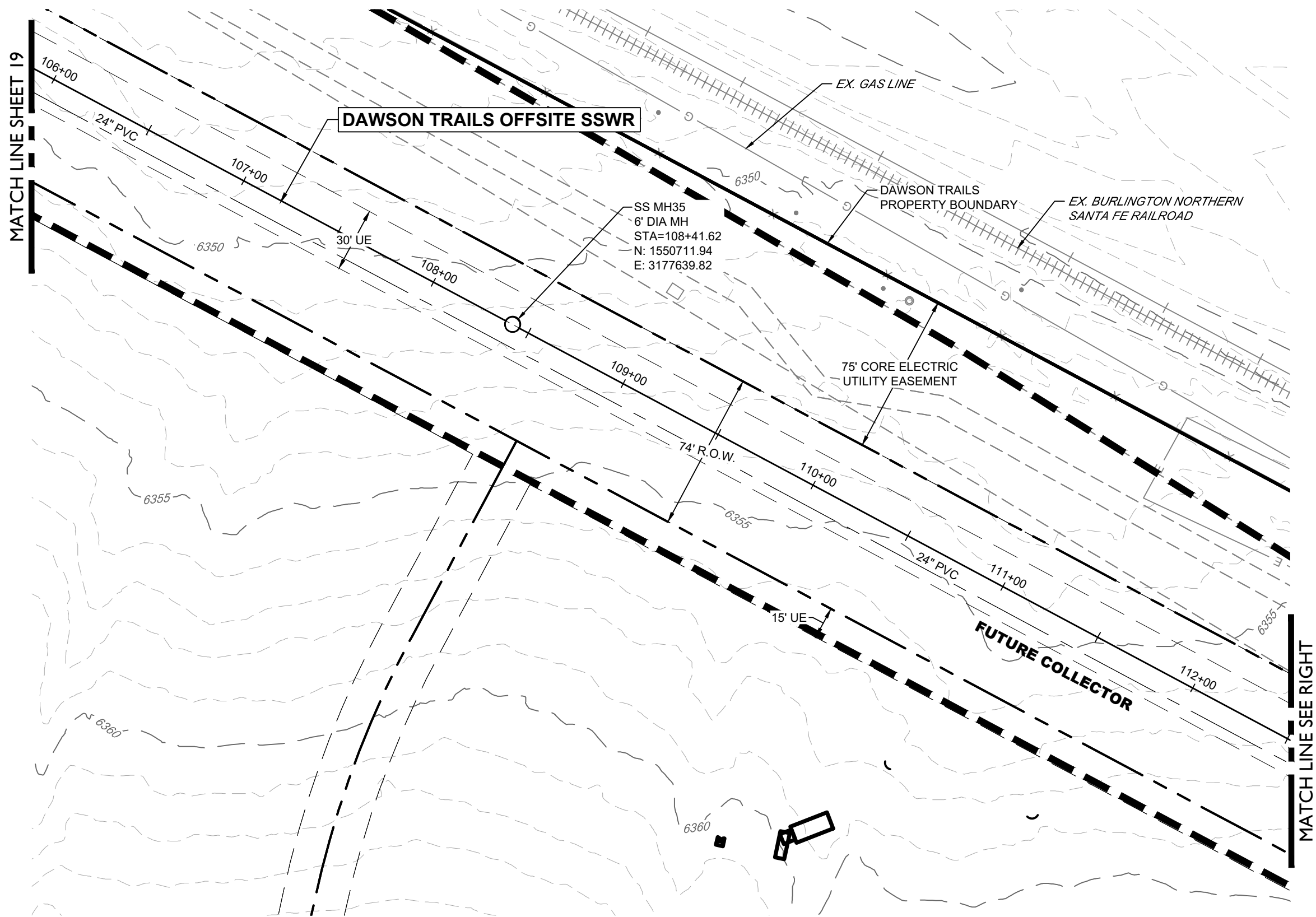
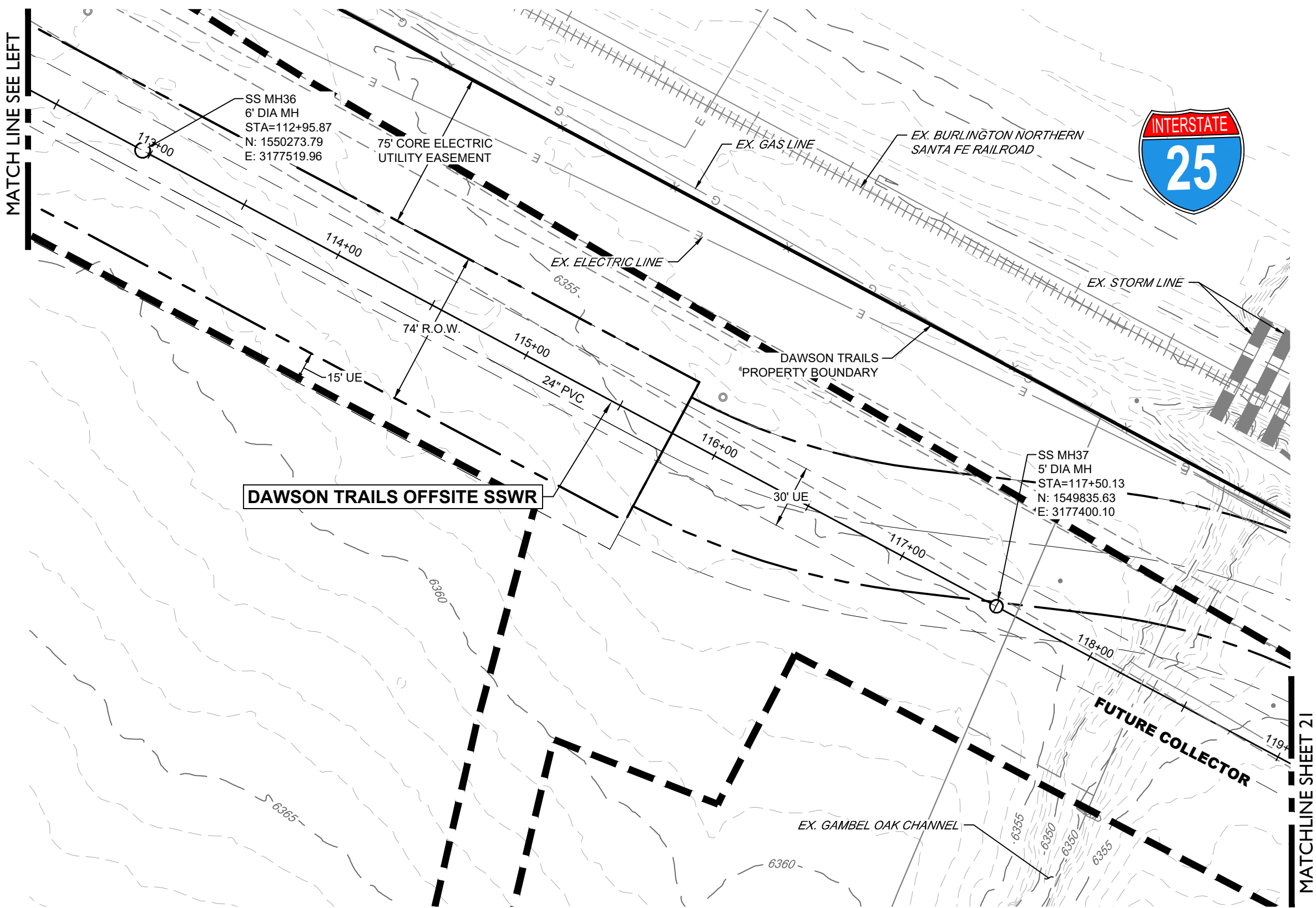
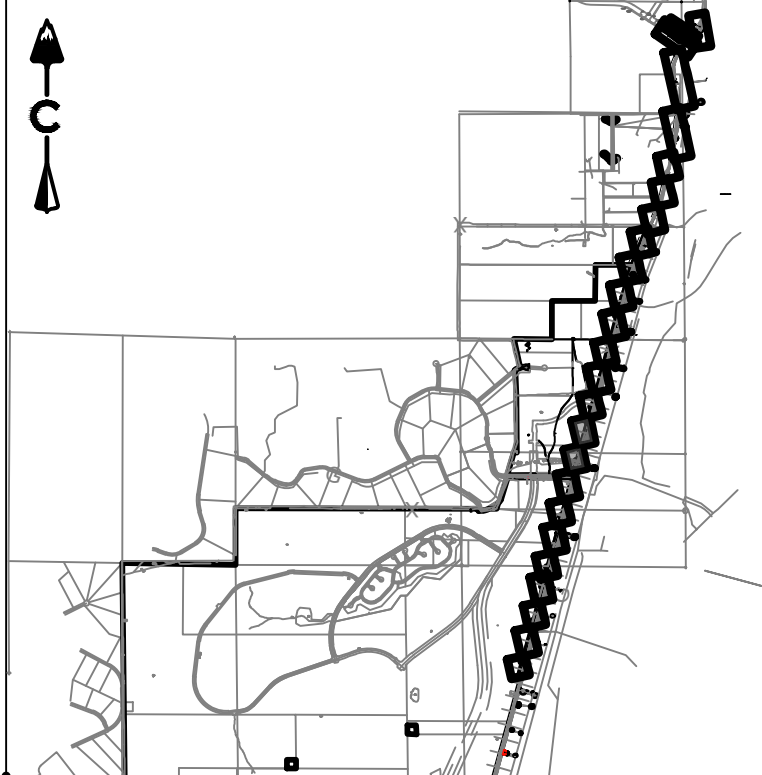
CORE CONSULTANTS, INC.
3473 S. BROADWAY
DENVER, CO 80113
303.703.4444
LIVEYOURCORE.COM

CORE

LAND DEVELOPMENT
ENERGY
PUBLIC INFRASTRUCTURE



DAWSON TRAILS OFFSITE SSWR
(106+00-119+00)



KEY MAP
SCALE: 1" = 4500'

0 50' 100'
1 inch = 50 ft.

PROFILE
HORIZ: 1" = 50'
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LEGEND

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

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STATE OF COLORADO # 48992

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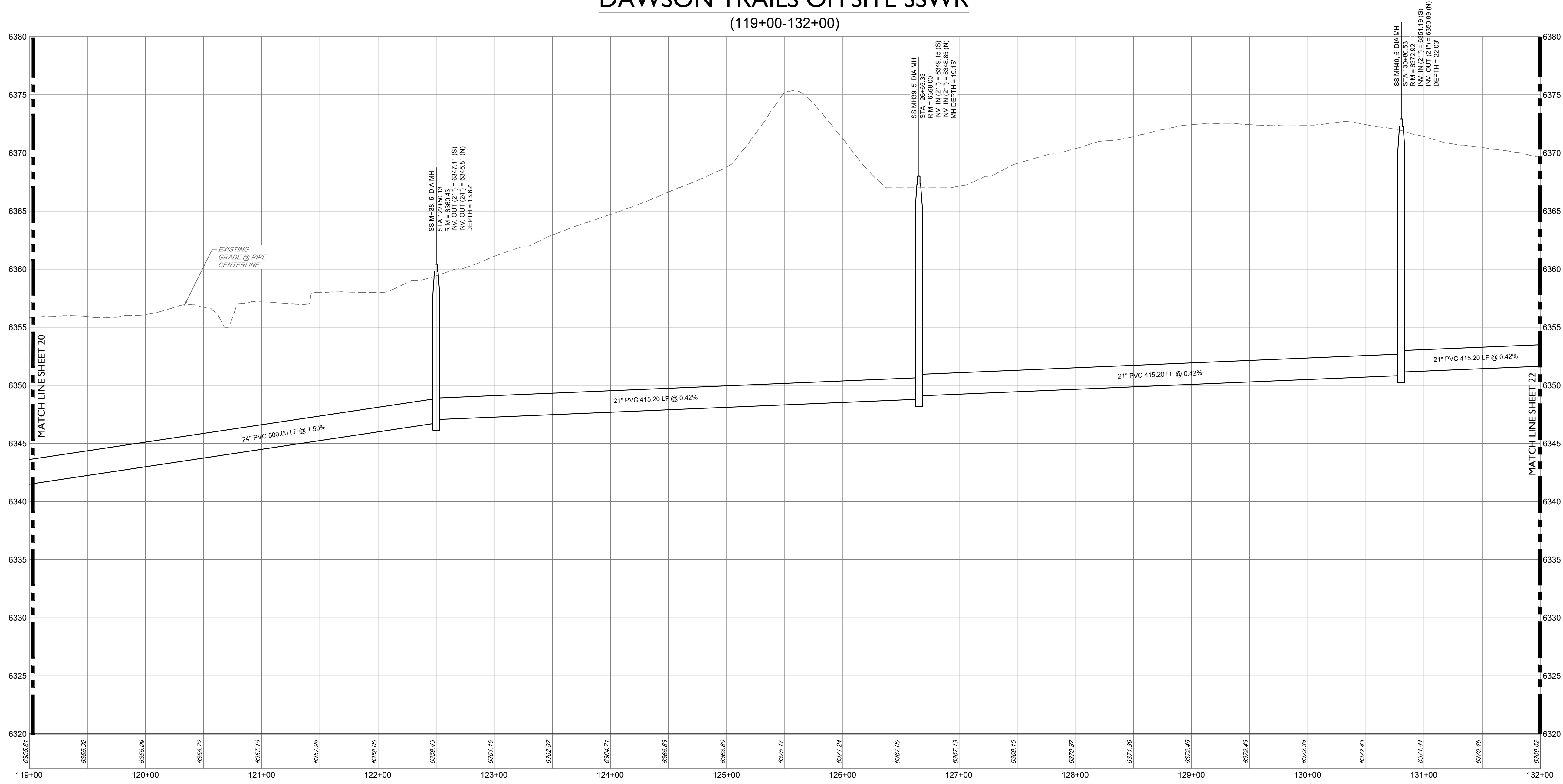
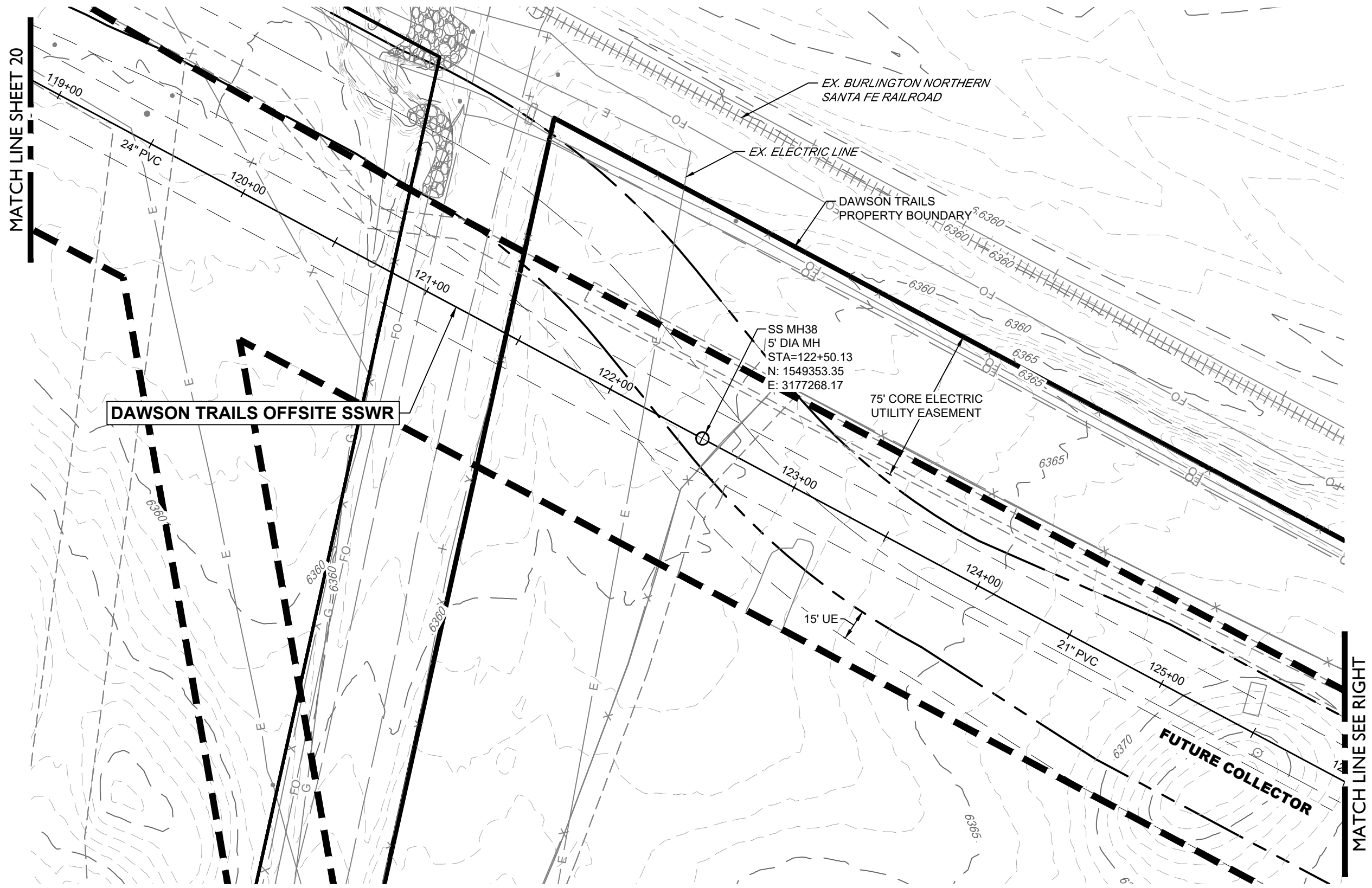
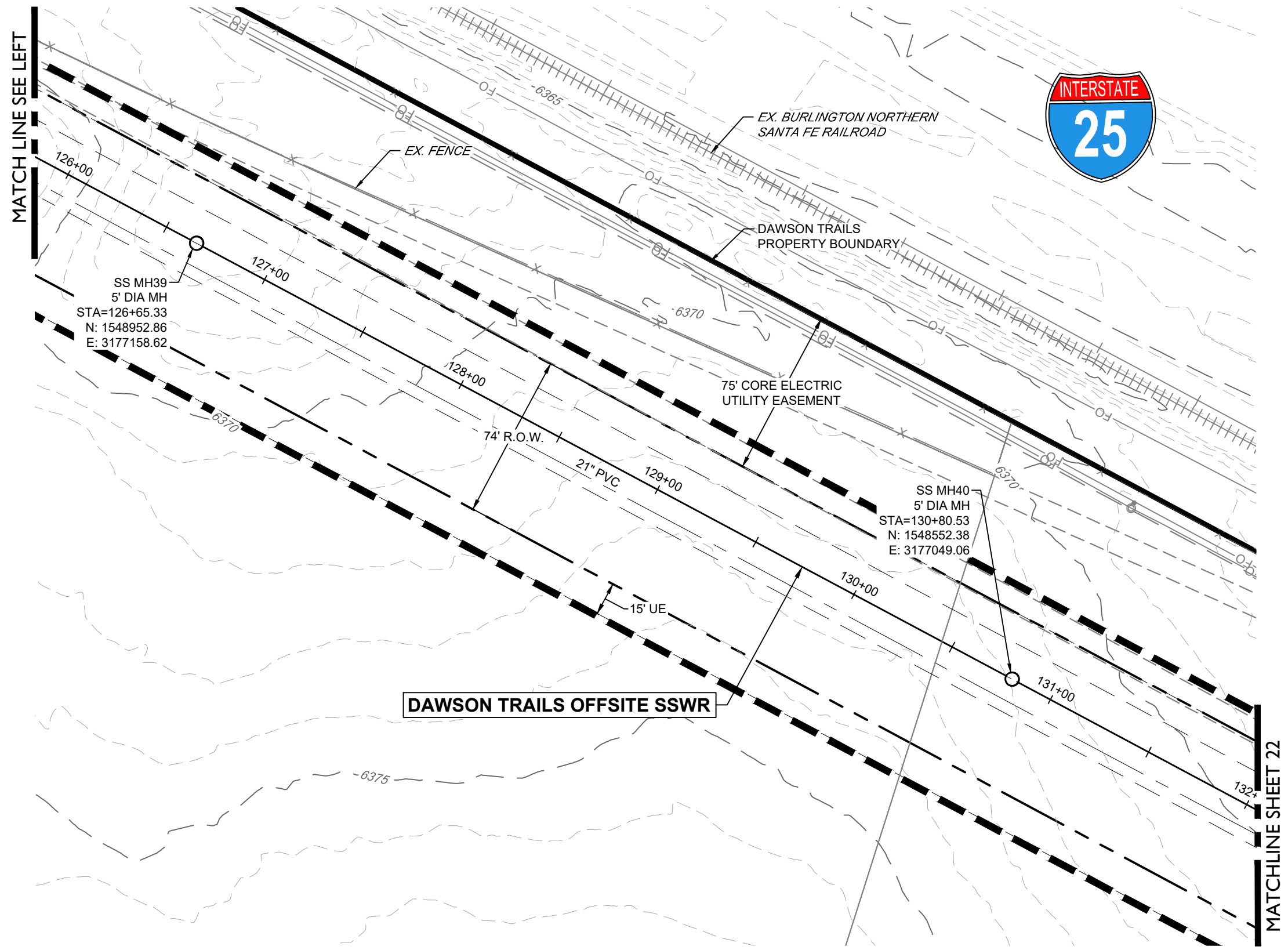
APPROVED BY: _____
DESIGNED BY: JMB
DRAWN BY: MGB
CHECKED BY: KJR

DEVELOPMENT SERVICES DATE

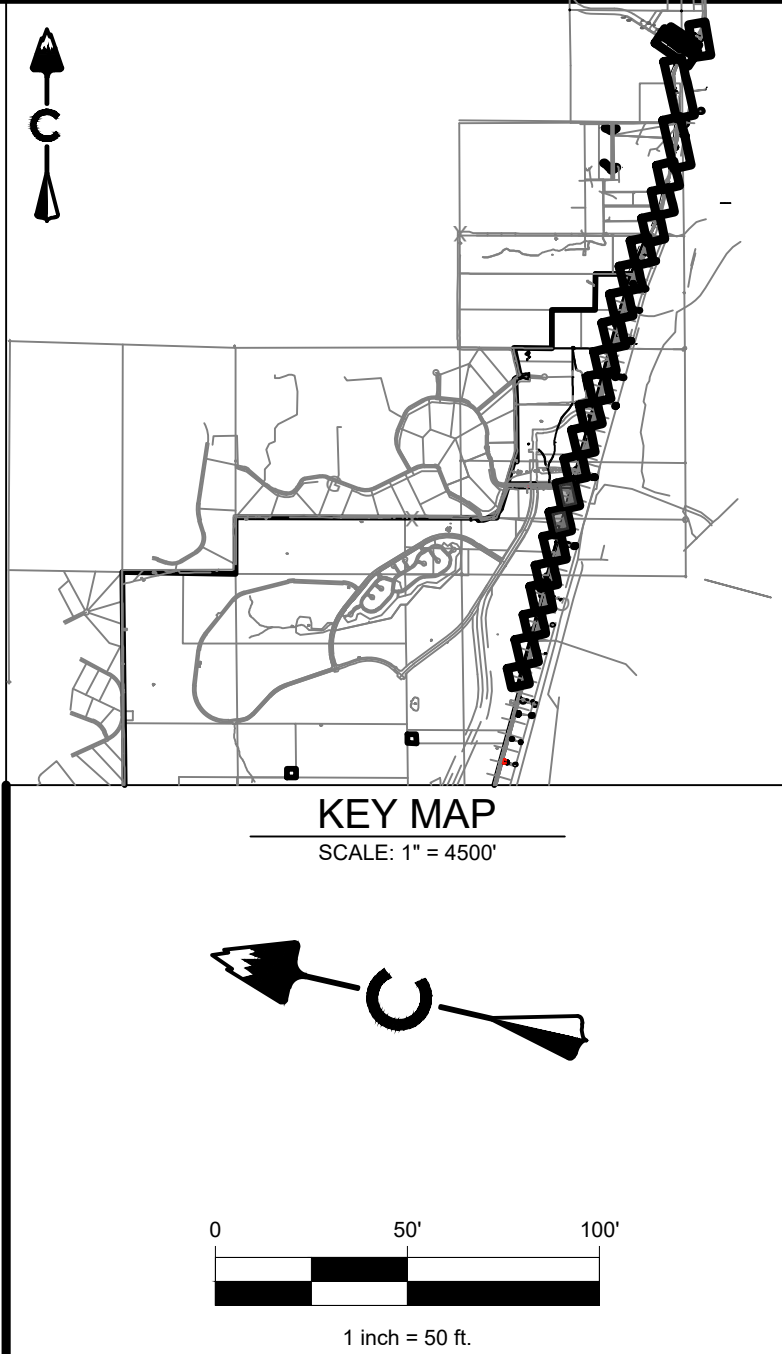
DAWSON TRAILS OFFSITE SANITARY SEWER
CASTLE ROCK, COLORADO
CONSTRUCTION DOCUMENTS
SANITARY P&P (11 OF 15)

WESTSIDE
DESIGNED BY: JMB
DRAWN BY: MGB
CHECKED BY: KJR
JOB NO. 20-224
SHEET 20 OF 25

CORE
CORE CONSULTANTS, INC.
3473 S. BROADWAY
DENVER, CO 80113
303.703.4444
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DAWSON TRAILS OFFSITE SSWR (119+00-132+00)



LEGEND	
	EASEMENT
	RIGHT OF WAY (R.O.W.)
	CENTERLINE
	PROJECT BOUNDARY
	PROPOSED CURB & GUTTER
	PROPOSED SANITARY & STUB OUT
	EXISTING SANITARY & STUB OUT
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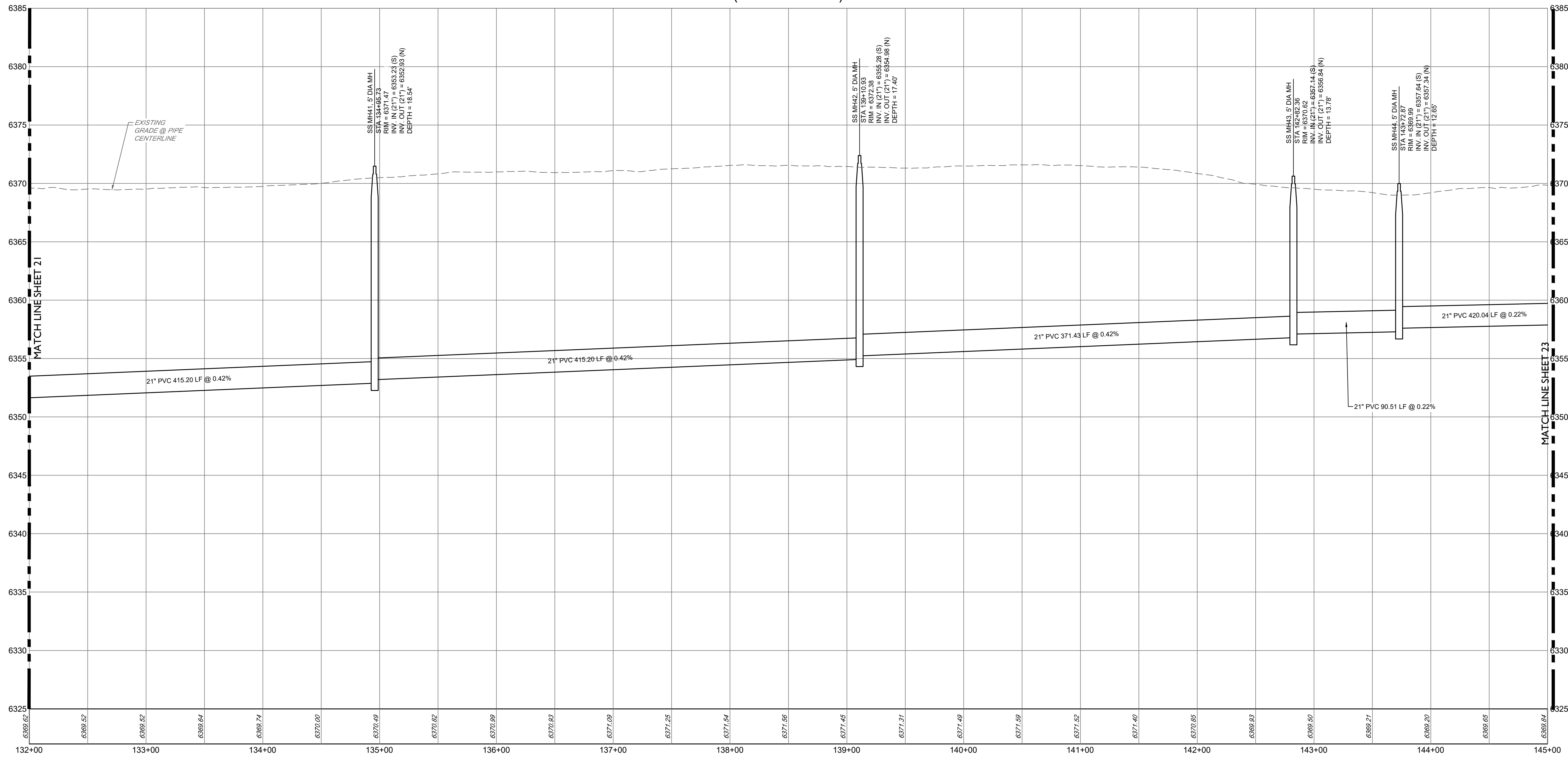
TOWN APPROVAL BLOCK

TOWN OF CASTLE ROCK APPROVAL
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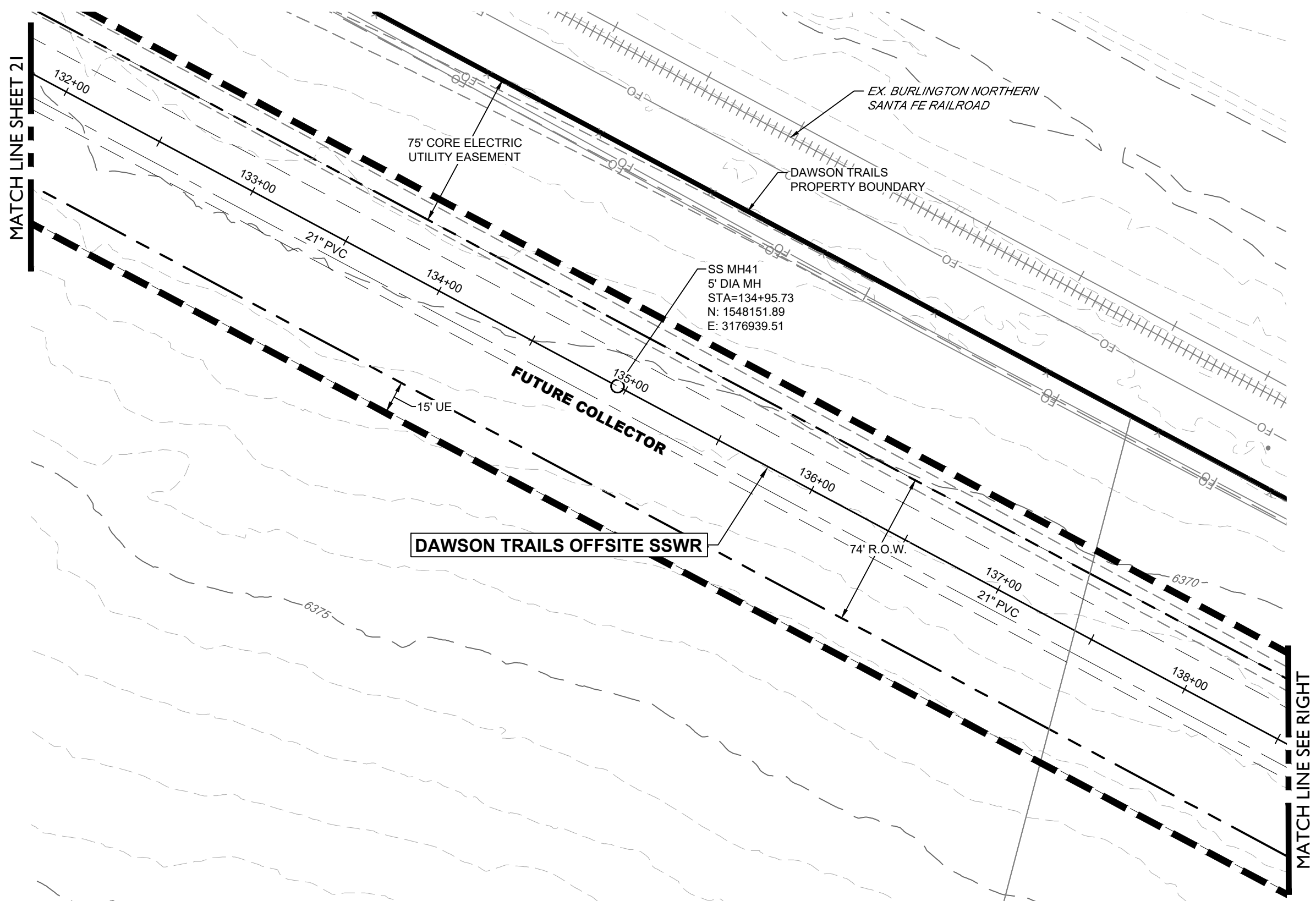
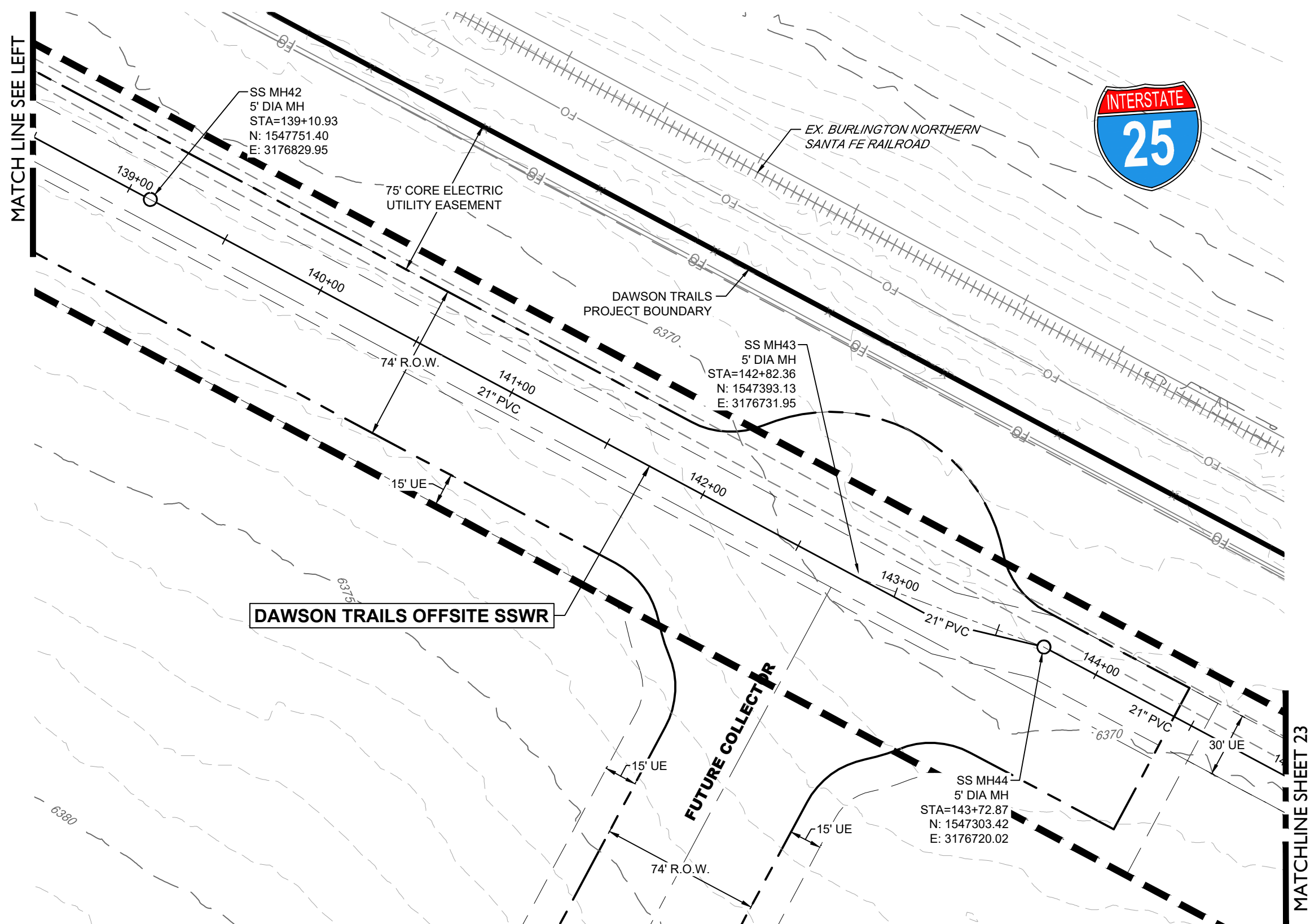
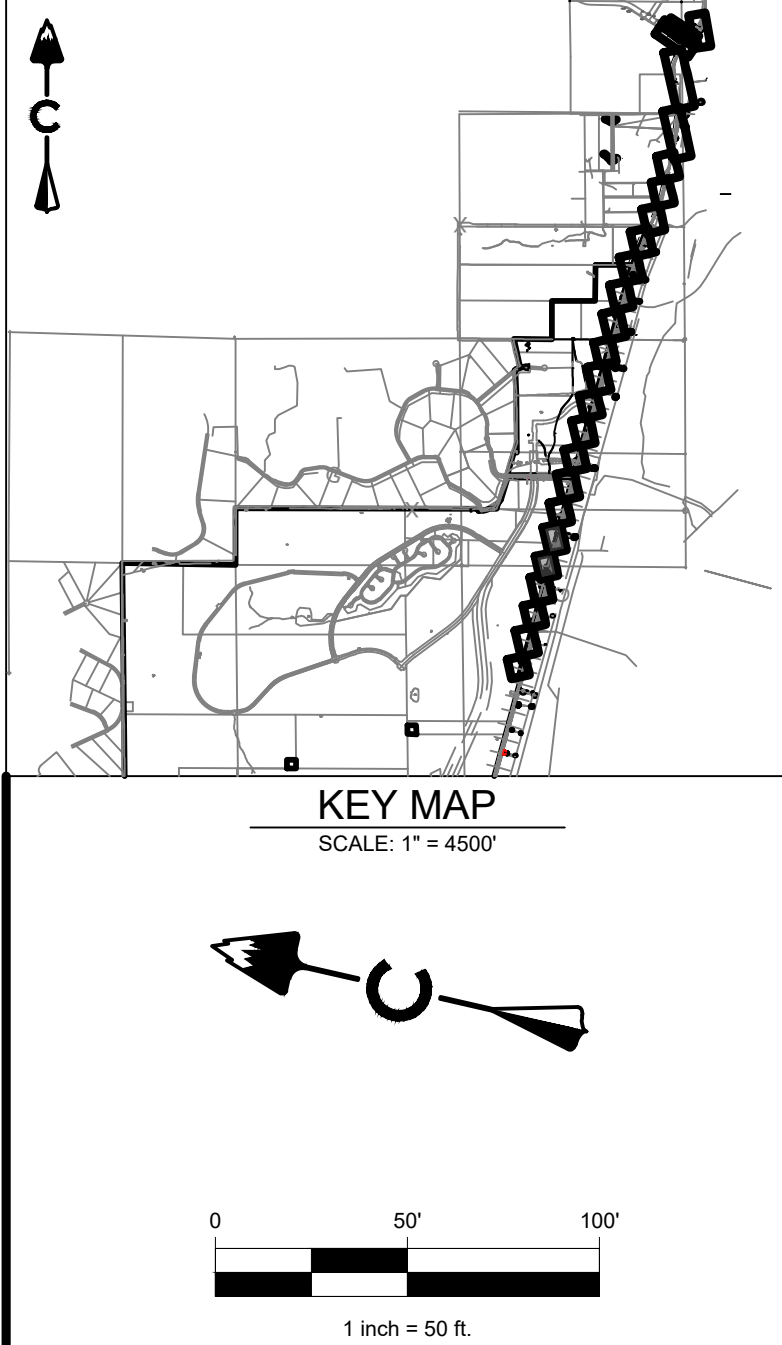
APPROVED BY:

DESIGNED BY: JMB
DRAWN BY: MGB
CHECKED BY: KJR

DEVELOPMENT SERVICES DATE



DAWSON TRAILS OFFSITE SSWR
(132+00-145+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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KEVIN J. ROHRBOUGH STATE OF COLORADO # 48992	
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 (13 OF 15)

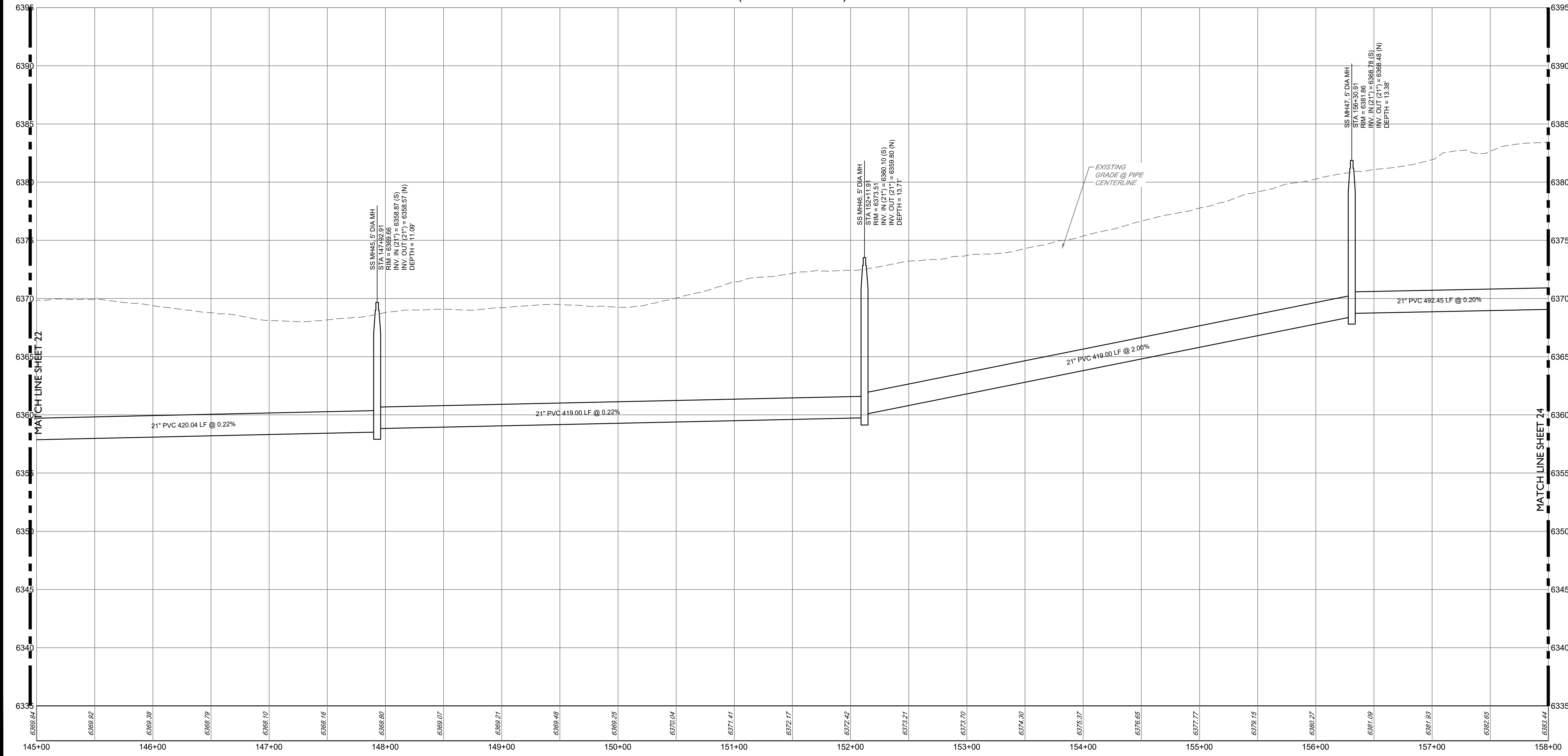
DESIGNED BY: JMB DRAWN BY: MGB CHECKED BY: KJR	
JOB NO. 20-224	
SHEET 22 OF 25	

#	REVISION DESCRIPTION	DATE	BY
A	1ST SUBMITTAL	12/22/22	KJR

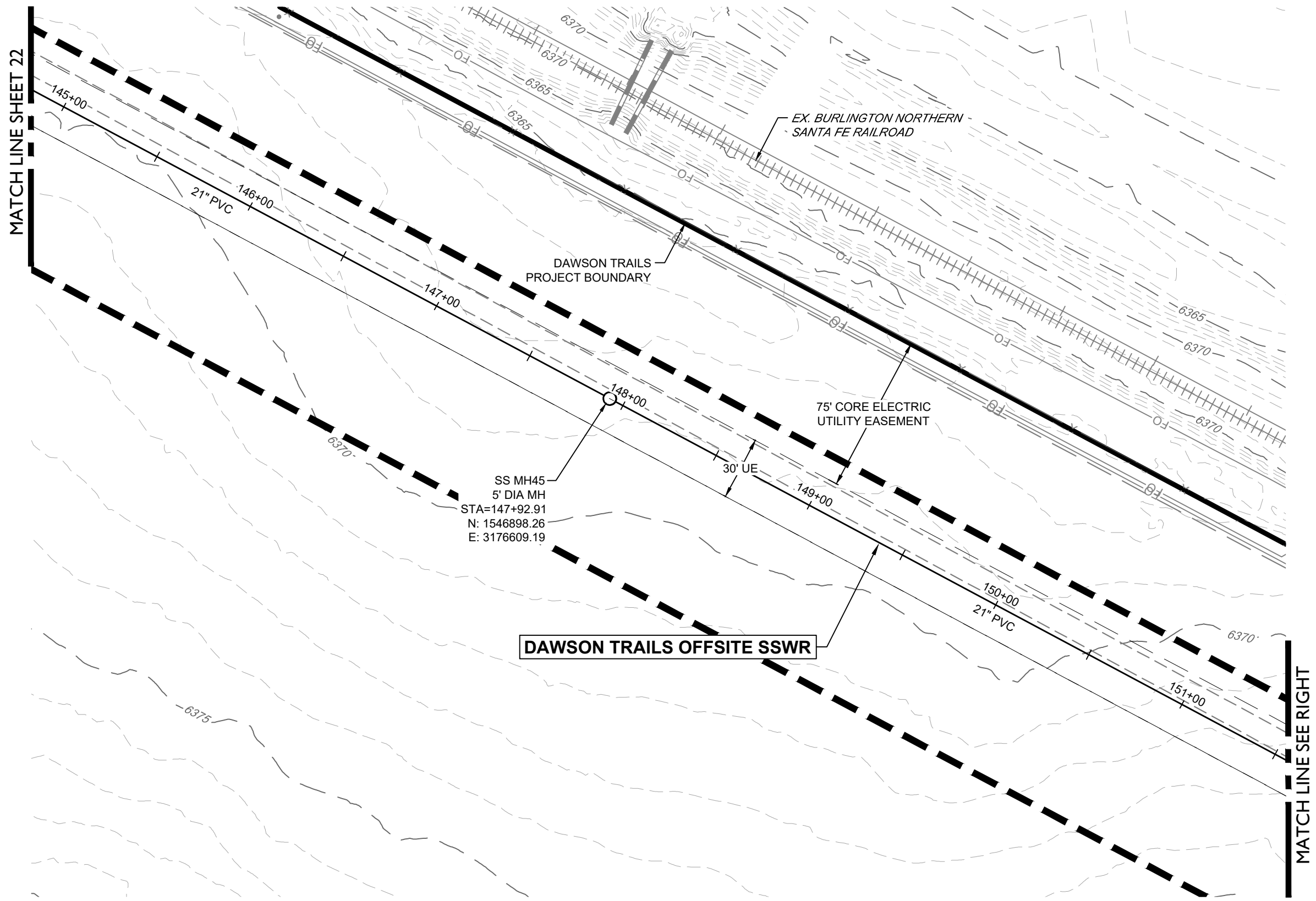
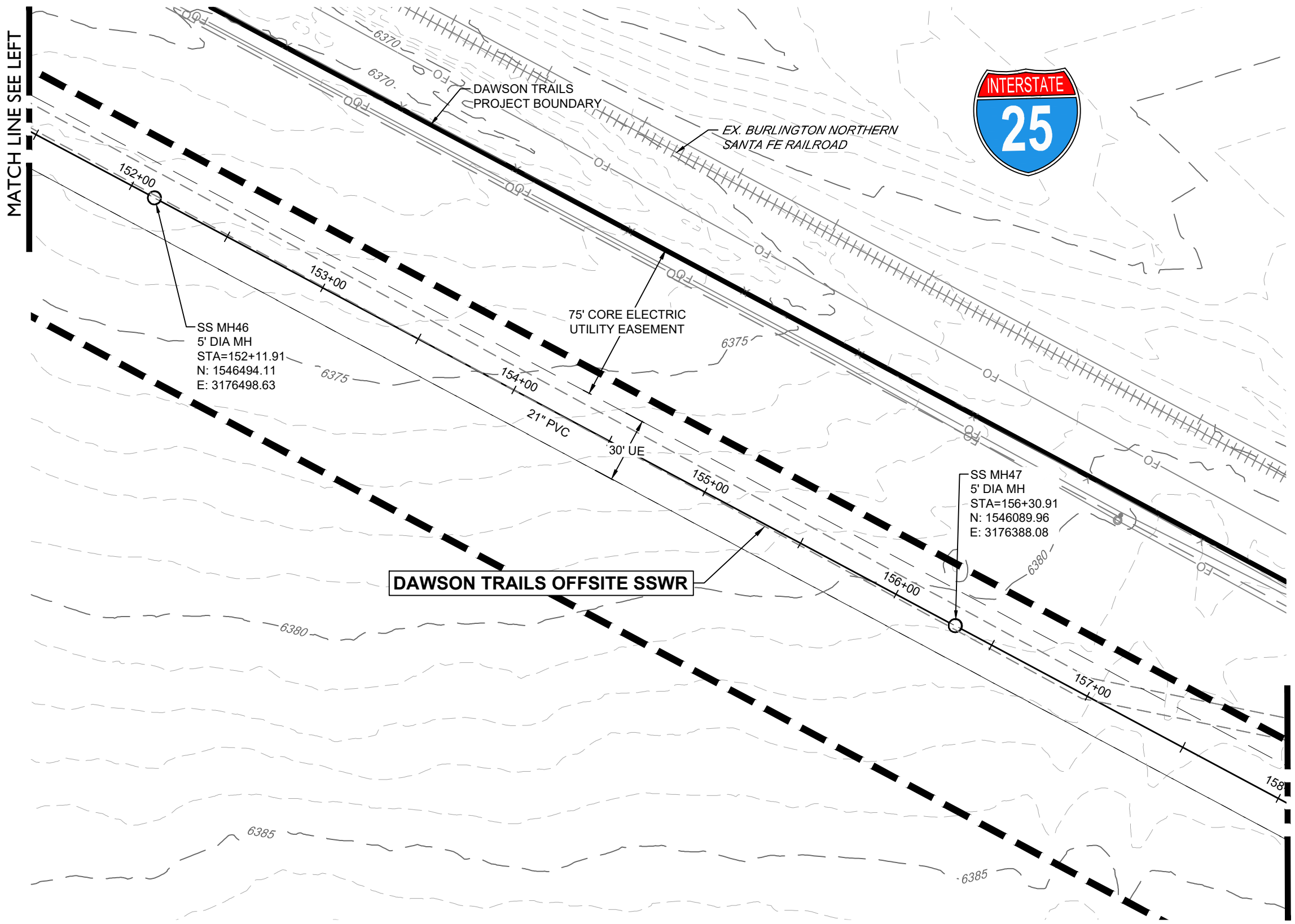
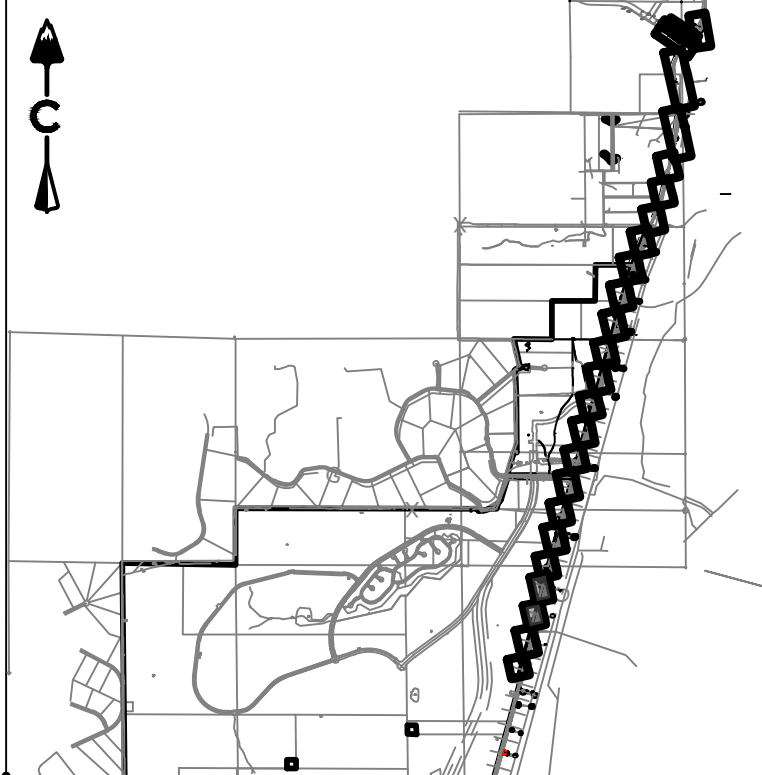
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LAND DEVELOPMENT
ENERGY
PUBLIC INFRASTRUCTURE





DAWSON TRAILS OFFSITE SSWR
(145+00-158+00)



KEY MAP
SCALE: 1" = 4500'

0 50' 100'
1 inch = 50 ft.

PROFILE
HORIZ: 1" = 50'
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LEGEND

---	EASEMENT
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---	PROPOSED CURB & GUTTER
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1 2 3 4

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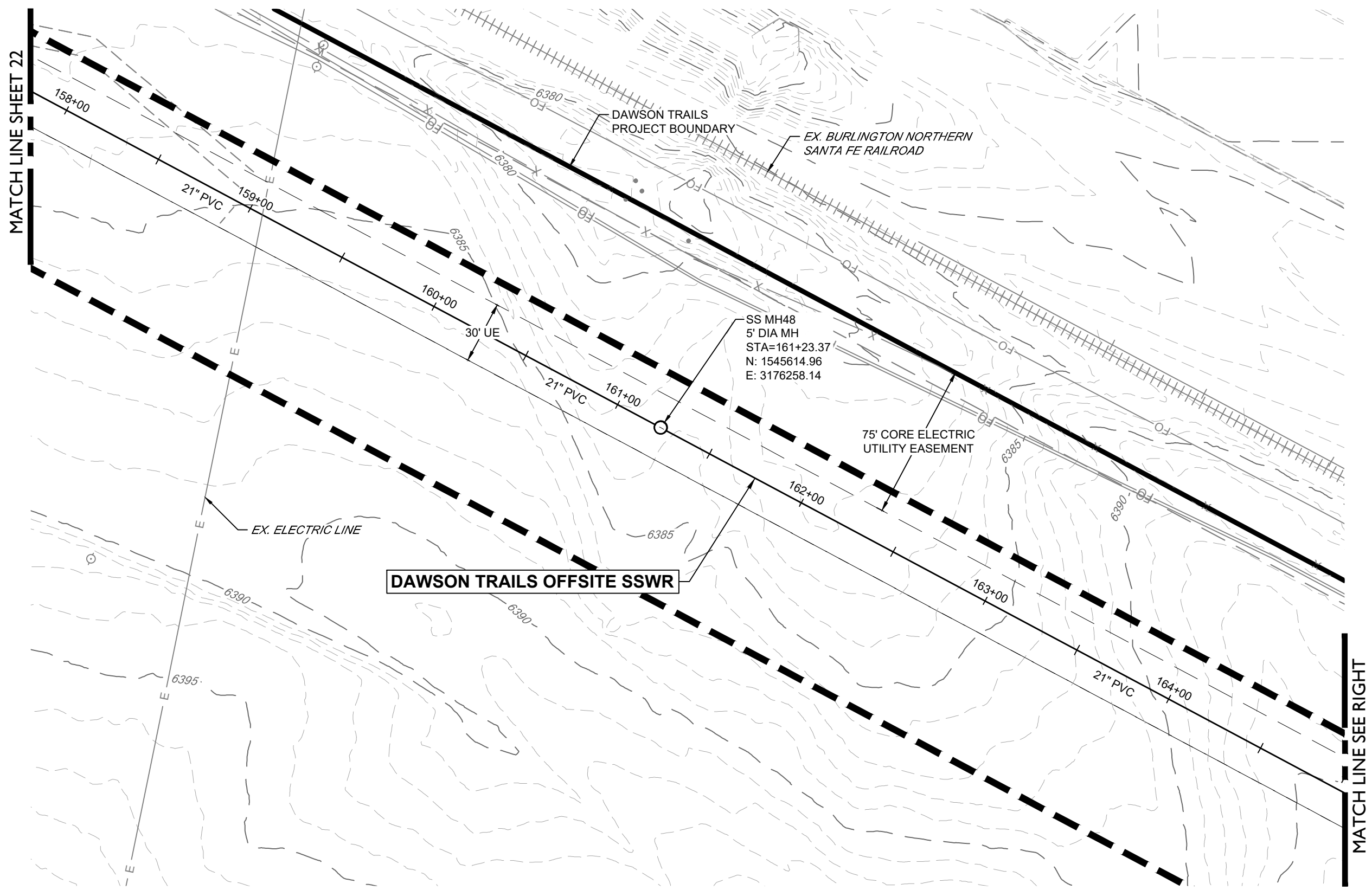
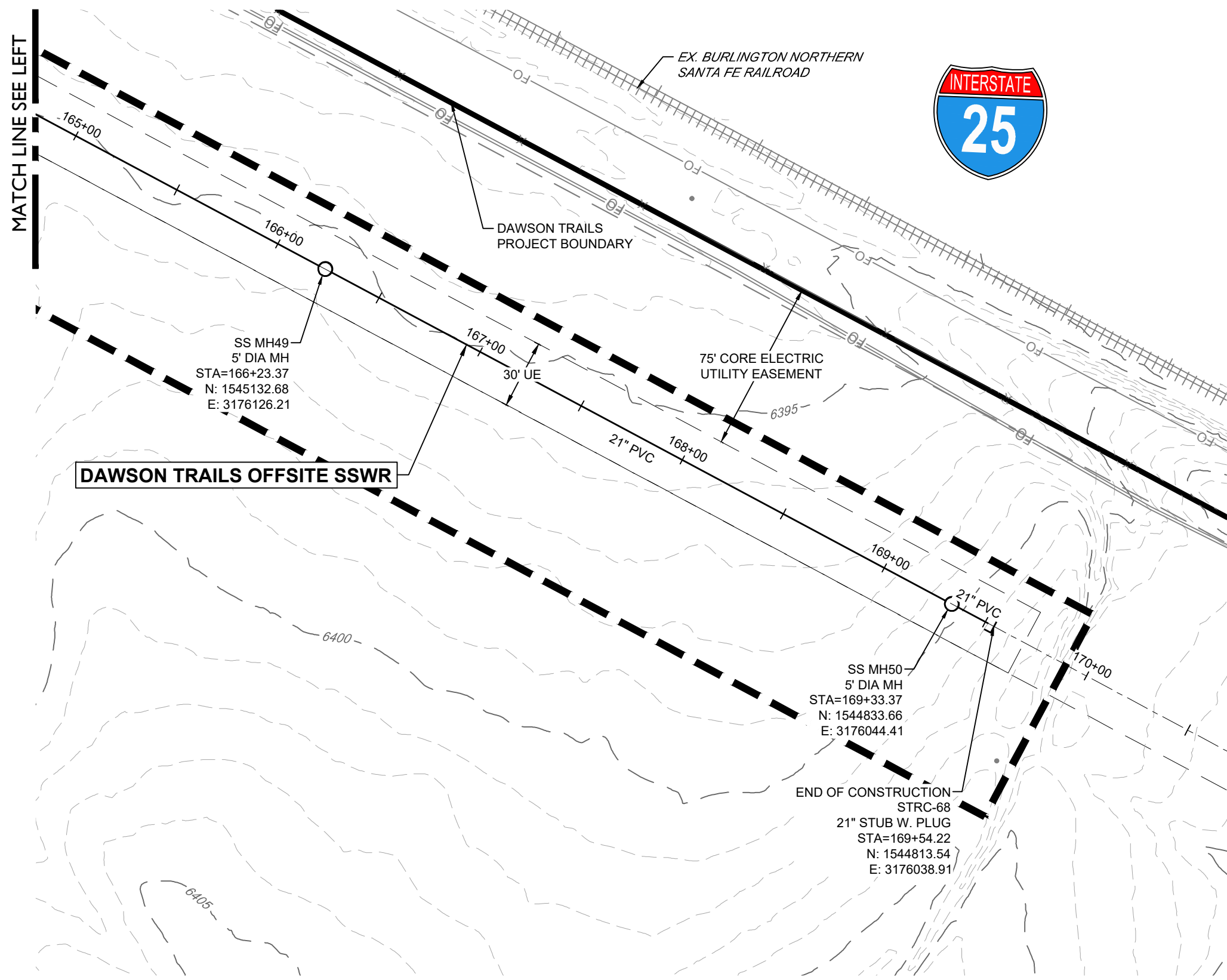
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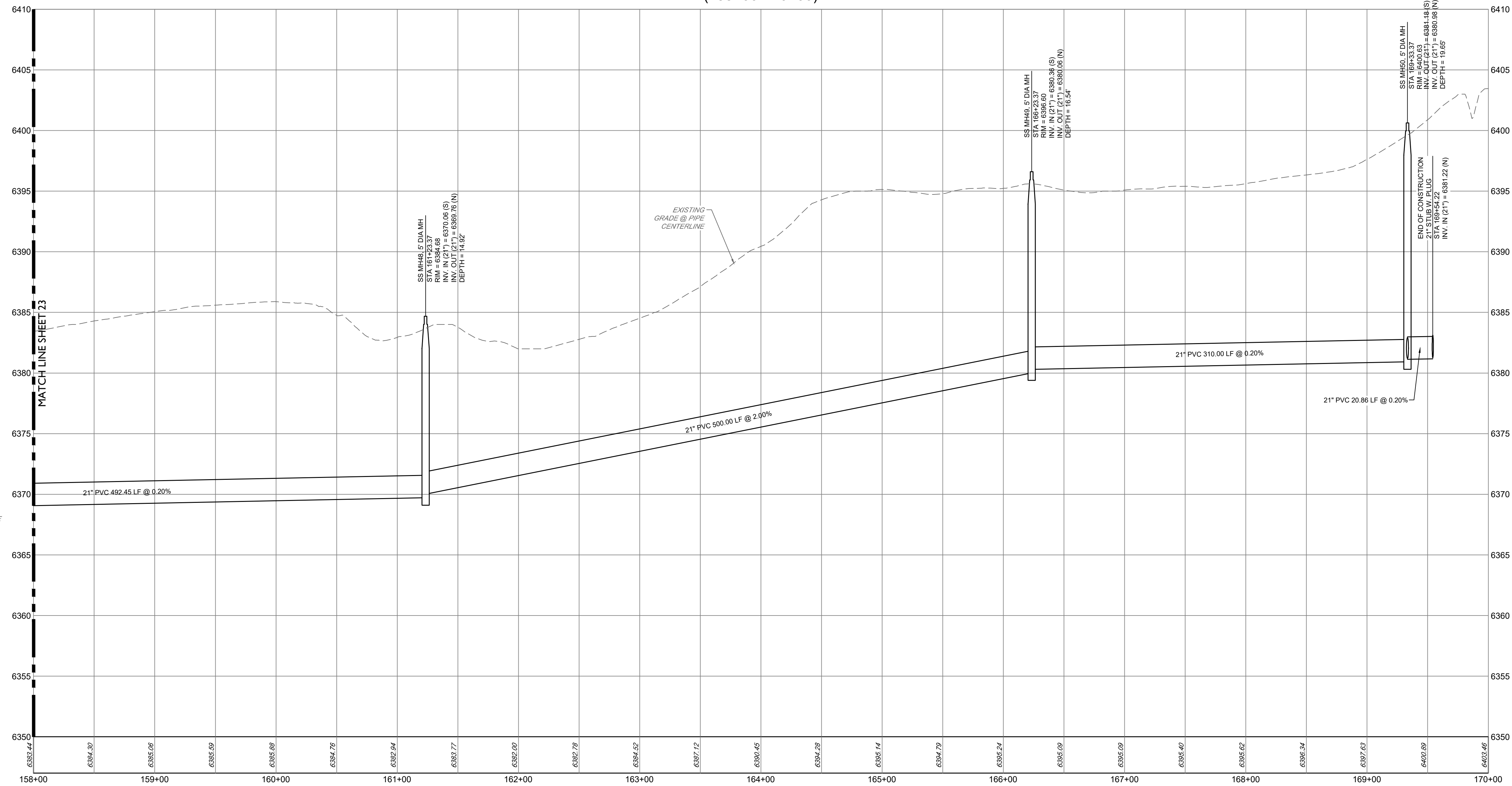
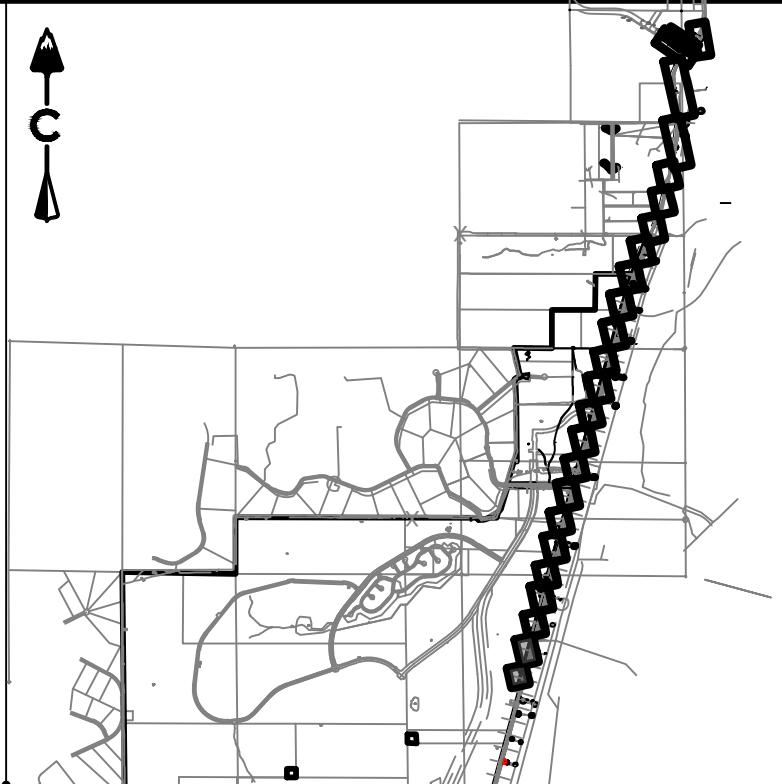
DESIGNED BY: JMB
DRAWN BY: MGB
CHECKED BY: KJR

DEVELOPMENT SERVICES DATE



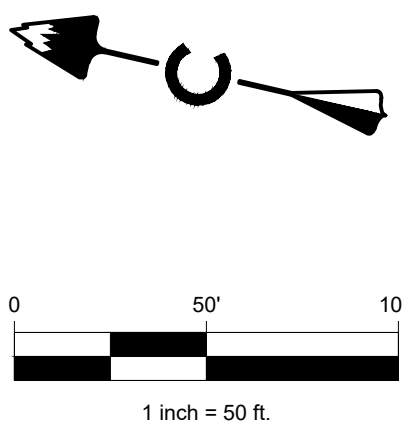
DAWSON TRAILS OFFSITE SSWR

(158+00-170+00)



KEY MAP

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DAWSON TRAILS OFFSITE SANITARY SEWER

CASTLE ROCK, COLORADO

CONSTRUCTION DOCUMENTS

SANITARY P&P (15 OF 15)

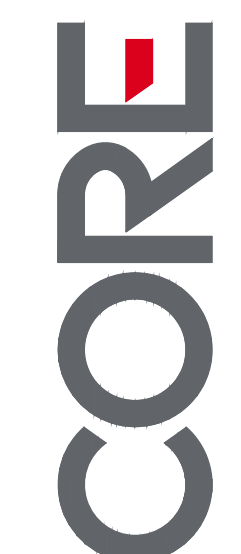


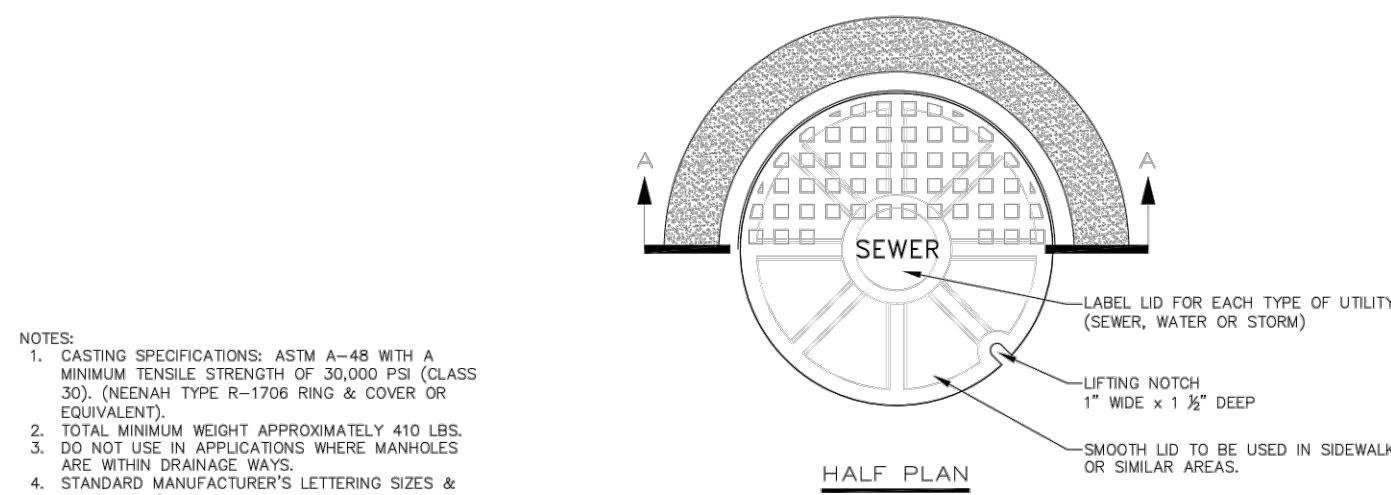
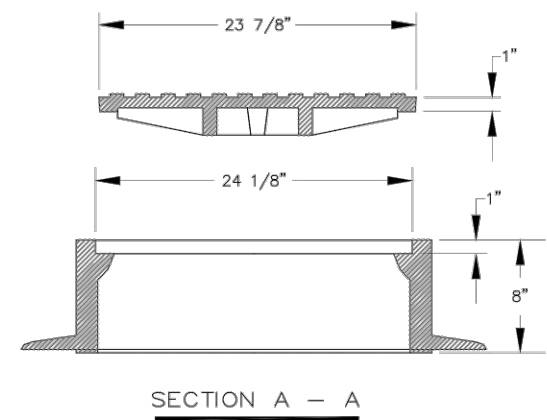
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DRAWN BY: MGB
CHECKED BY: KJR

JOB NO.
20-224
SHEET
24 OF 25

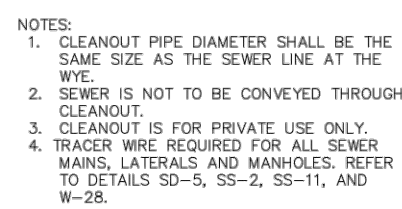
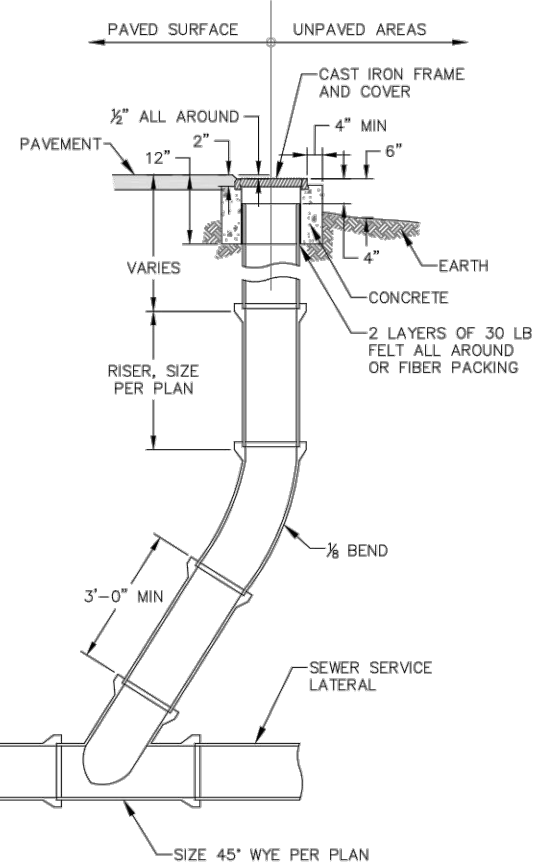
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3473 S. BROADWAY
DENVER, CO 80113
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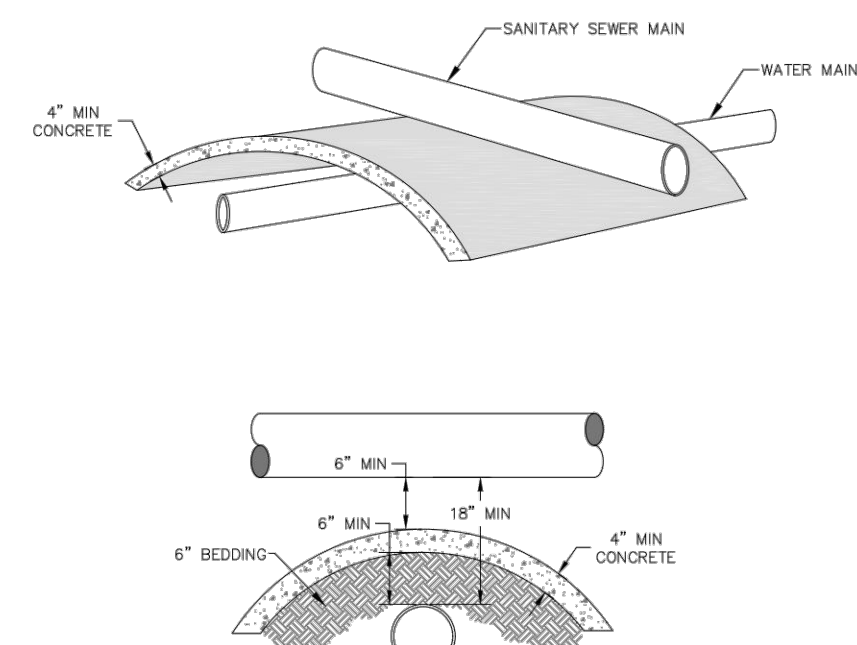




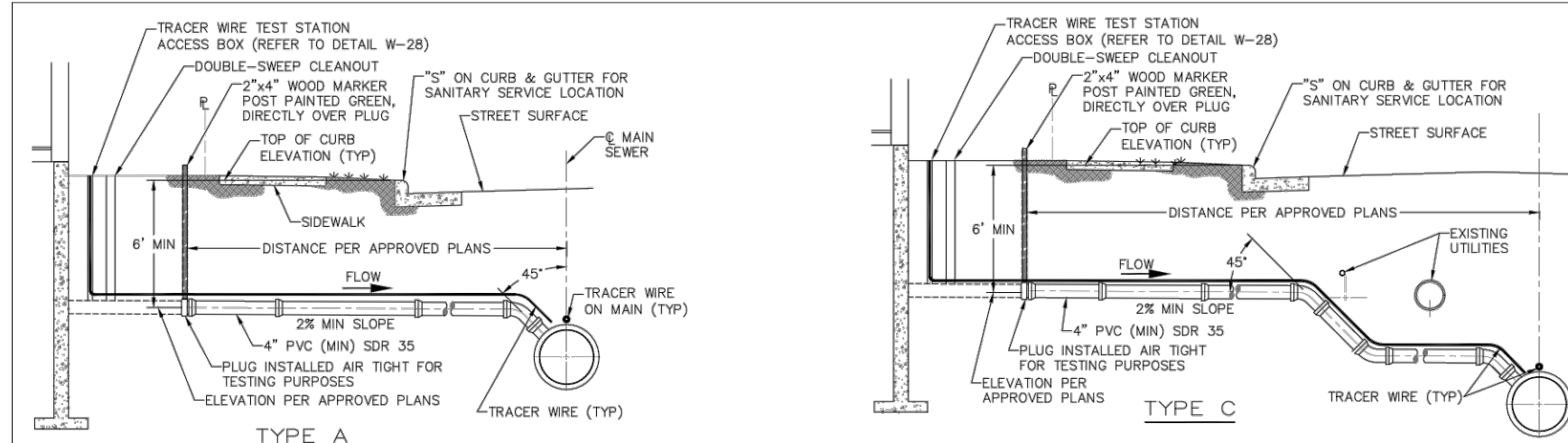
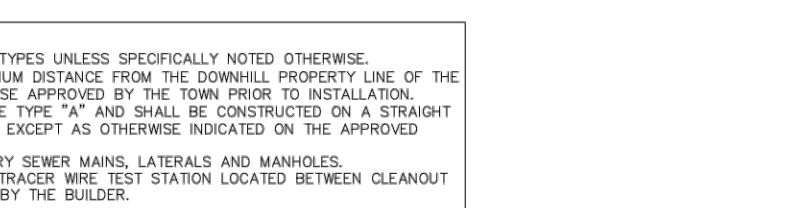
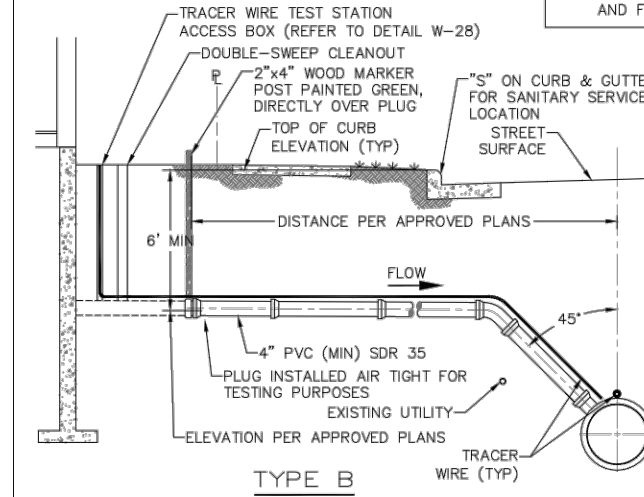
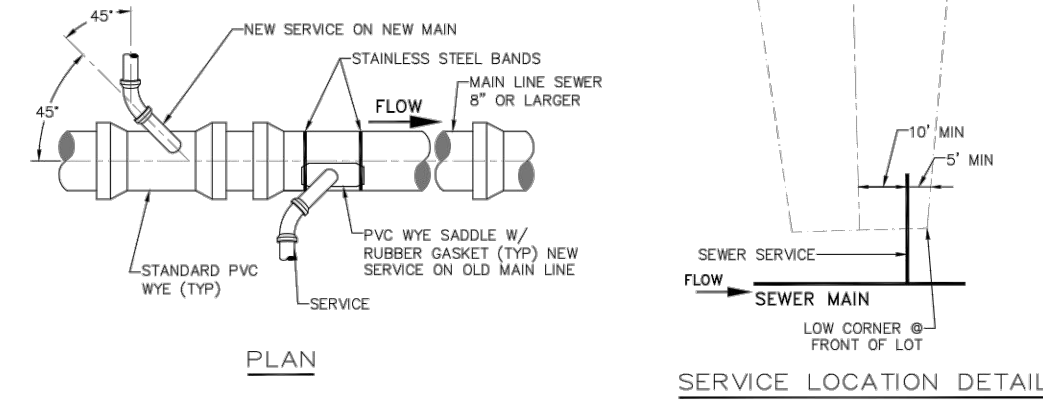
Sheet Revisions Date Comments 3/25 REVISED PER STAFF COMMENTS		 Town of Castle Rock 100 N. Wilson St. Castle Rock, CO 80104 Phone: (720) 733-2200 Fax: (720) 733-2217 Development Services	SEWER MANHOLE 24" RING & COVER Issued By: Town of Castle Rock, Development Services March 2, 2020	DETAIL PLAN NO. SS-4
				Sheet 1 of 1



Sheet Revisions		 <p>Town of Castle Rock 100 N. Willow St. Castle Rock, CO 80104 Phone: (720) 733-2200 Fax: (720) 733-2217</p> <p>Development Services</p>	<h1>SEWER CLEANOUT</h1> <p>Issued By: Town of Castle Rock, Development Services March 2, 2020</p>	DETAIL PLAN NO.
Date	Comments			SS-7
3/2/20	REVISED PER STAFF COMMENTS			Sheet 1 of 1

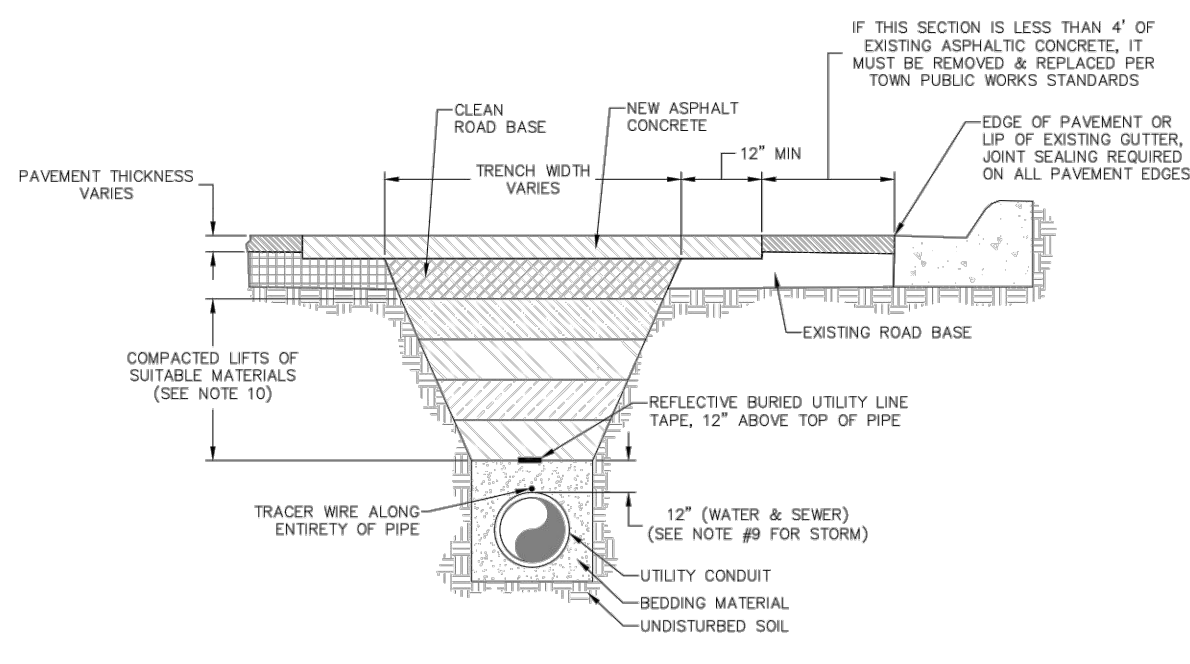


Sheet Revisions		 Town of Castle Rock 100 N. Wilcox St. Castle Rock, CO 80104 Phone: (720) 733-2200 Fax: (720) 733-2217 Development Services	SEWER PIPE CROSSING CONCRETE BLANKET Issued By: Town of Castle Rock, Development Services March 2, 2020	DETAIL PLAN NO.
Date	Comments			SS-6
3/20	REVISED PER STAFF COMMENTS			Sheet 1 of 1



Sheet Revisions		 Town of Castle Rock 100 N. Willow St. Castle Rock, CO 80104 Phone: (720) 733-2200 Fax: (720) 733-2217 Development Services	<h1 style="text-align: center;">SEWER</h1> <h1 style="text-align: center;">LATERAL CONNECTIONS</h1>	DETAIL PLAN NO.
Date	Comments			SS-2
3/20	REVISED PER STAFF COMMENTS			
				Sheet 1 of 1

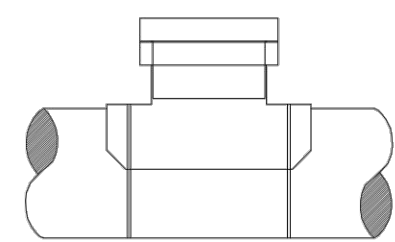
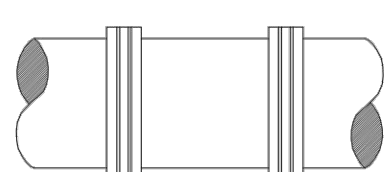
1. NOTES:
 - A. ALL TRENCING SHALL BE BACKFILLED IN ACCORDANCE WITH THE DETAIL UNLESS OTHERWISE SPECIFIED BY PUBLIC WORKS.
 - B. PRIOR TO PLACEMENT OF CONCRETE, ALL EDGES OF THE TRENCH SHALL BE CUT TO A CLEAN, STRAIGHT, AND VERTICAL EDGE.
 - C. PRIOR TO PLACEMENT OF ASPHALT, 18 INCHES OF GRANULAR ASPHALT BEDDING SHALL BE PLACED ON ALL SIDES TO MATCH EXISTING BEDDING. THE BEDDING SHALL BE COMPACTED WITH HSS-1.
 - D. THE SUBSTITUTING FOR BACKFILL MATERIAL, FLOWABLE FILL SHALL CONFORM TO MOREFC CONCRETE BEDDINGS.
 - E. TRENCH WIDTH SHALL NOT BE MORE THAN 16" NOR LESS THAN 12" WIDER THAN THE DIAMETER OF THE MANHOLE.
 - F. 95% CEA ASTM D688 STANDARD COMPACTION EFFORT IS REQUIRED ON ALL TRENCING ZONES, INCLUDING THE BEDDING AND BACKFILL.
 - G. IN UNIMPROVED AREAS, ALL DISTURBED AREAS SHALL BE REGRADED, SEEDING & MULCHED.
 - H. IN CONCRETE ROADWAYS, A MINIMUM OF 1/2 PAVEMENT SHALL BE PLACED ON EACH SIDE OF THE TRENCH. IF THE TRENCH IS NOT TO BE ALLOWED TO REMAIN, OTHERWISE, THE ENTIRE PAVEMENT MUST BE REPLACED.
 - I. USE A REBAR AT 2' CENTERS ALONG THE PERIMETER OF CONCRETE REPLACEMENT & BEDDING.
 - J. 6" MAXIMUM COMPACTED LIFT THICKNESS IF FLOWABLE FILL NOT REQUIRED.
2. BEDDING MATERIAL DEPTH WHEN INSTALLING STAINLESS STEEL OR SPRING LINE, EXCEPT IN AREAS OF UNSUITABLE BACKFILL:
 - A. BEDDING MATERIAL SHALL BE 15" ABOVE PIPE.
3. TRENCH WIDTHS MORE THAN 4' OR TRENCHING IN AREAS WHERE BACKFILLING IS NOT REQUIRED SHALL REQUIRE FLOWABLE FILL IN ORDER TO PREVENT SETTLEMENT.



Sheet Revisions Date: _____ Comments: _____ 3/20 REVISED PER STAFF COMMENTS		 <p> Town of Castle Rock 100 N. Willow St. Castle Rock, CO 80104 Phone: (720) 733-1200 Fax: (720) 733-2217 Development Services </p>	<h1 style="text-align: center;">SANITARY SEWER TRENCH DETAIL</h1>		DETAIL PLAN NO. SS-8
			Issued By: Town of Castle Rock, Development Services March 2, 2020		Sheet 1 of 1

- ## SANITARY SEWER SERVICE LINE ABANDONMENT REQUIREMENTS

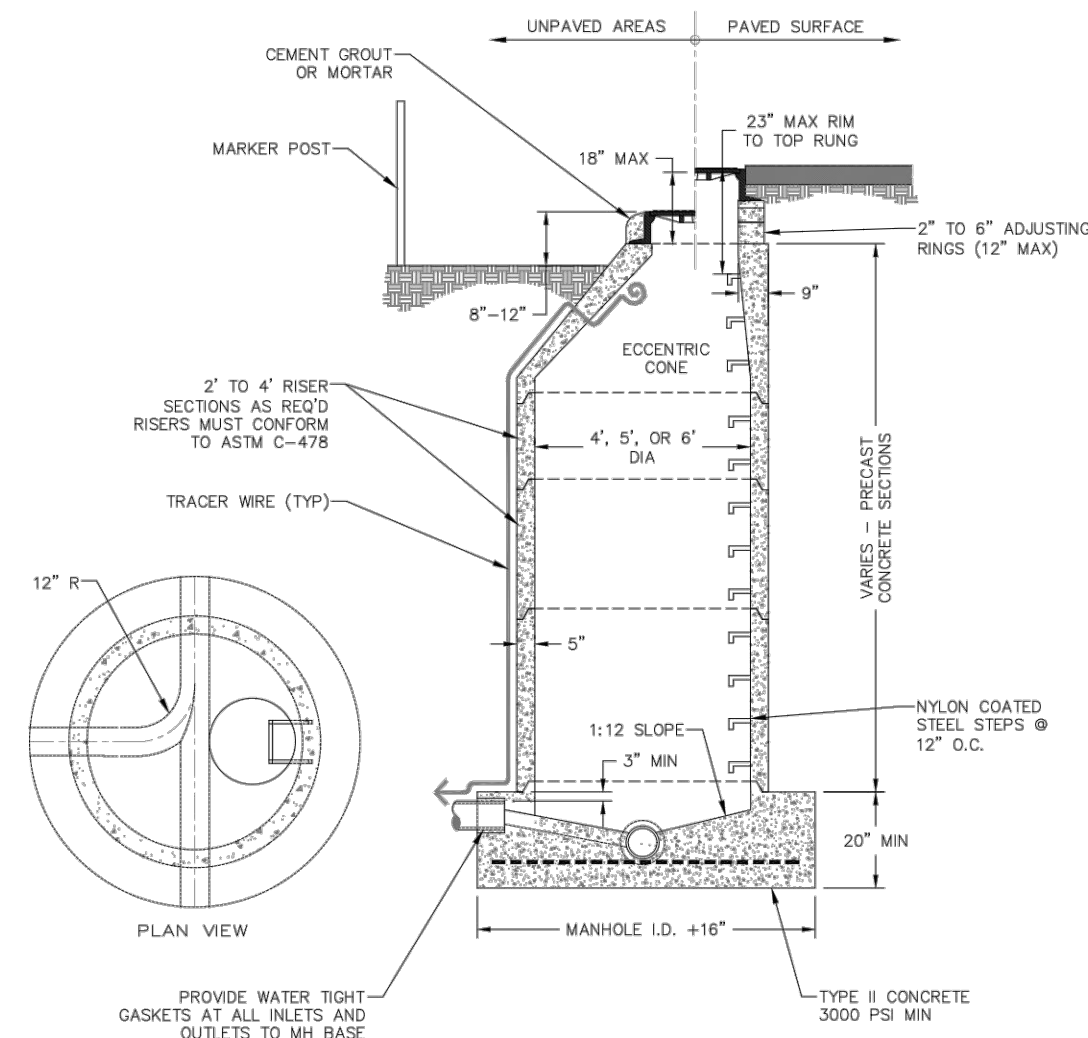
1. ABANDONMENT TO INCLUDE REMOVAL OF SERVICE WITHIN RIGHT-OF-WAY AND INSTALLATION OF CONCRETE CAP ON SERVICE LINE.
2. AREA TO BE REPAIRED AND REPLACED TO MATCH THE CONDITIONS OF SURROUNDING AREA.
3. ABANDONMENT REQUEST LETTER MUST BE SUBMITTED TO CASTLE ROCK WATER BILLING AND BE APPROVED BY ENGINEERING TO DISCONTINUE ACCOUNT.
4. PUBLIC WORKS PERMIT IS REQUIRED TO ABANDONED SERVICE.
5. ABANDONMENT OPTION TO BE DETERMINED BY PUBLIC WORKS INSPECTOR AND CASTLE ROCK WATER.
6. INTERNAL ABANDONMENT WITH CPP LINING AS APPROVED BY CASTLE ROCK WATER. MINIMUM 4' SECTION OF LINING.



Sheet Revisions		 <p>Town of CASTLE ROCK COLORADO</p>	<p>Town of Castle Rock 100 N. Willow St. Castle Rock, CO 80104 Phone: (720) 733-2200 Fax: (720) 733-2217</p> <p>Development Services</p>	<p>SEWER SERVICE LINE ABANDONMENT DETAIL</p> <p>Issued By: Town of Castle Rock, Development Services March 2, 2020</p>	DETAIL PLAN NO.
Date	Comments				SS-9
3/20	REVISED PER STAFF COMMENTS				Sheet 1 of 2

PIPE I.D.	MANHOLE I.D.
18" & SMALLER	4'-0"
21" TO 48"	5'-0"
54"	6'-0"
60" & LARGER	SPECIAL DESIGN

- NOTES:
1. MANHOLE RISER MINIMUM DIAMETER SHALL CONFORM TO THE TABLE ABOVE.
 2. FLARE TO CONCRETE MANHOLE TOPS MAY BE USED INSTEAD OF CONC. SECTIONS WHERE RIM TO INVERT IS 7" OR LESS.
 3. SET EACH SECTION (RISER, CONC. ADJUSTING RINGS) IN A FULLY CURED, PLASTIC-MANUSMASH MAT (RAMMED) OR PLASTIC SEALING COMPOUND.
 4. MANHOLE STEPS SHALL BE POSITIONED OVER THE BENCH IN A STRAIGHT LINE.
 5. NO MANHOLE STEPS ARE ALLOWED IN THE ADJUSTING RINGS. ON THE TOP OF EACH GRADE, SEWER MAINS MAY BE LAPPED OVER THE MANHOLE AND COVERED AS THE INVERT. THE TOP 2" PORTION OF THE PIPE SHALL BE CUT AWAY TO A NEAT, FINISHED, SMOOTH SURFACE. THE JOINT SHALL BE MADE WITH CONCRETE MORTAR. IF GRADE IS NOT STRAIGHT THROUGH, THE FLOWLINES AT THE BASE SHALL BE HAND FORMED WHEN THE DRAINAGE DIRECTION FLOWED. SURFACE SHALL BE GRIND SMOOTH WITH A CONCRETE FINISHING Stone.
 6. MANHOLE LID SHALL BE AT LEAST BELOW ASPHALT AND TIPPED TO DRAIN TO THE PAVEMENT SURFACE.
 7. TRACER WIRE IS REQUIRED FOR ALL SEWER MAINS, LATERALS AND MANHOLES. REFER TO DETAILS SD-5S, SS-2, SS-11, AND W-1.



Sheef Revisions Date: _____ Comments: _____ 3/20 REVISED PER STAFF COMMENTS		 Town of Castle Rock 100 N. Willow St. Castle Rock, CO 80104 Phone: (720) 733-2200 Fax: (720) 733-2217 Development Services	SANITARY AND STORM SEWER MANHOLE Issued By: Town of Castle Rock, Development Services March 2, 2020	DETAIL PLAN NO. SS-3 1 of 1
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