

CITY OF GRAND JUNCTION

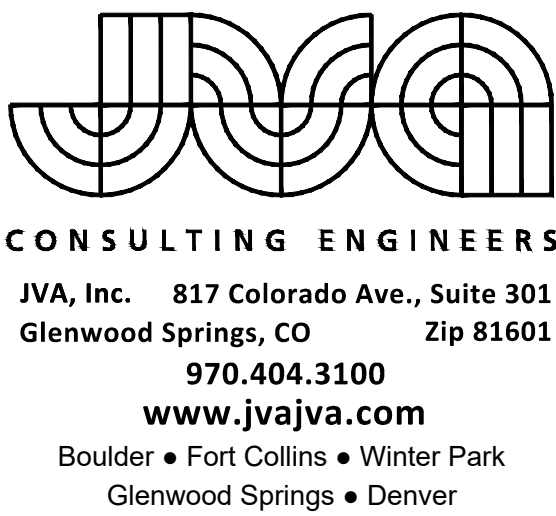
2025 CIPP PROJECT

GRAND JUNCTION, COLORADO

BID SET

CONTACTS

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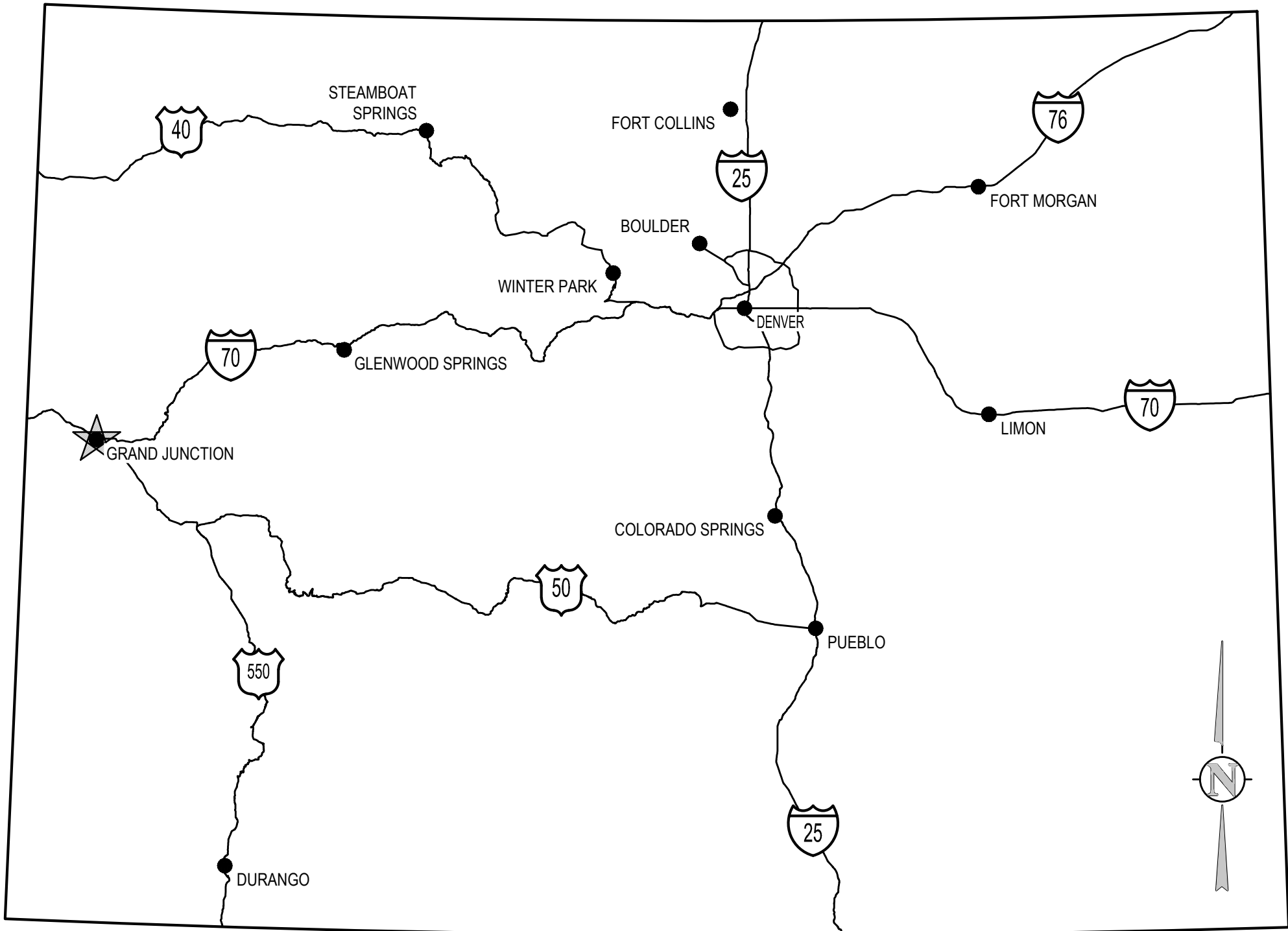
APRIL 2025

PREPARED UNDER THE SUPERVISION OF

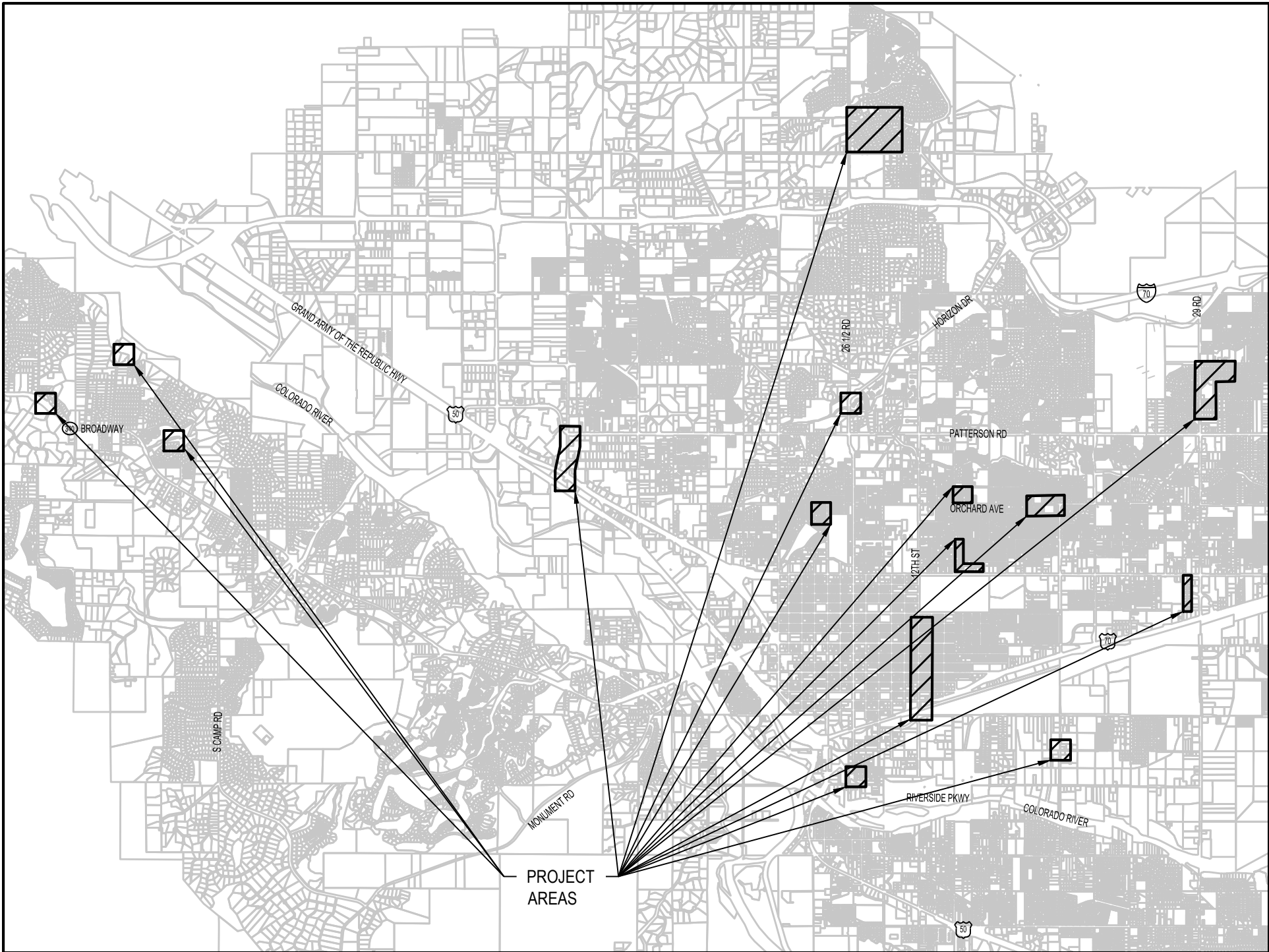
JVA, Inc.

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VICINITY MAP
NTS



PROJECT LOCATION MAP
NTS

ABBREVIATIONS

AASHTO	AMERICAN ASSOC. OF STATE HIGHWAY AND TRANSPORTATION OFFICIALS	INCL	INCLUDED
ABAN	ABANDON	ID	INSIDE DIAMETER
AC	ASPHALTIC CONCRETE PAVING	IN	INLET
ADDL	ADDITIONAL	INSUL	INSULATION
ADDM	ADDENDUM	INV	INVERT
ADJ	ADJUSTABLE	IRR	IRRIGATION
AL	ALUMINUM	JTS	JOINTS
ALT	ALTERNATE	KO	KNOCKOUT
AMT	AMOUNT	KPL	KICK PLATE
APPROX	APPROXIMATE	KWY	KEYWAY
ARCH	ARCHITECT(URAL)	L	LEFT OR LITER
ARV	AIR RELIEF VALVE	LSCAPE	LANDSCAPE(ING)
ASTM	AMERICAN SOCIETY FOR TESTING AND MATERIALS	LF	LINEAR FOOT
ASPH	ASPHALT	LP	LOW POINT
ASSY	ASSEMBLY	LT	LIGHT
ASYM	ASYMMETRICAL	LVL	LOW WATER LEVEL
AUTO	AUTOMATIC	MAINT	MAINTENANCE
AVG	AVERAGE	MAN	MANUAL
AWWA	AMERICAN WATER WORKS ASSOC.	MATL	MATERIAL
BC	BACK OF CURB	MAX	MAXIMUM
BFV	BUTTERFLY VALVE	ME	MATCH EXISTING
BG	FINISHED GRADE ADJACENT TO BOTTOM OF WALL	MECH	MECHANICAL
BLDG	BUILDING	MEP	MECHANICAL, ELECTRICAL, PLUMBING (ARCH)
BLK	BLOCK	MFR	MANUFACTURER
BM	BENCH MARK	MH	MANHOLE
BMP	BEST MANAGEMENT PRACTICE	MIN	MINIMUM
BS	BACKSIGHT	MISC	MISCELLANEOUS
BOS	BOTTOM OF STEP	MJ	MECHANICAL JOINT
BOT	BOTTOM	N	NORTH
BSMT	BASEMENT	NA	NOT APPLICABLE
BVC	BEGIN VERTICAL CURVE ELEVATION	NC	NOT IN CONTRACT
BVCS	BEGIN VERTICAL CURVE STATION	NPT	NATIONAL PIPE THREAD
BW	BOTTOM OF WALL	NTS	NOT TO SCALE
CB	CATCH BASIN	OS	OFFSET
CCW	COUNTER CLOCKWISE	OC	ON CENTER
CDOT	COLORADO DEPARTMENT OF TRANSPORTATION	OD	OUTSIDE DIAMETER
CIP	CAST IRON PIPE	OPP	OPPOSITE
CJ	CONSTRUCTION JOINT	OPT	OPTIONAL
CL	CENTER LINE OR CHAIN LINK	PC	POINT OF CURVATURE
CLR	CLEAR	PCO	PRESSURE CLEAN OUT
CMP	CORRUGATED METAL PIPE	PCR	POINT OF CURVE RETURN
CMU	CONCRETE MASONRY UNIT	PI	POINT OF INTERSECTION
CO	CLEANOUT	PVI	POINT OF VERTICAL INTERSECTION
CONC	CONCRETE	PL	PROPERTY LINE
CONST	CONSTRUCTION	PE	POLYETHYLENE
CONT	CONTINUOUS(ATION)	PREFAB	PREFABRICATED
COR	CORNER	PRELIM	PRELIMINARY
CONC	CONCENTRIC REDUCER	PREP	PREPARATION
CTR	CENTER	PROP	PROPOSED
CY	CUBIC YARDS	PRV	PRESSURE REDUCING VALVE OR PRESSURE RELIEF VALVE
DEMO	DEMOLITION	PSF	POUNDS PER SQUARE FOOT
DET	DETAIL	PSI	POUNDS PER SQUARE INCH
DIA	DIAMETER	PT	POINT OF TANGENCY
DIAG	DIAGONAL	PV	PLUG VALVE
DIP	DUCTILE IRON PIPE	PVC	POLYVINYL CHLORIDE OR POINT OF VERTICAL CURVATURE
DOM	DOMESTIC	PVMT	PAVEMENT
DN	DOWN	QTY	QUANTITY
DRN	DRAIN	R	RIGHT
DWG	DRAWING	RAD	RADIUS
DWL	DOWEL	RCP	REINFORCED CONCRETE PIPE
E	EAST	RD	ROOF DRAIN
EA	EACH	RE	REFERENCE
ECC	ECCENTRIC	RECT	RECTANGULAR
EJ	EXPANSION JT	REINF	REINFORCE (D) (ING) (MENT)
EL	ELEVATION	REOD	REQUIRED
ELB	ELBOW	ROW	RIGHT OF WAY
ELEC	ELECTRICAL	SAN	SANITARY
ENGR	ENGINEER	SC	SAWCUT
EOP	EDGE OF PAVEMENT	SD	STORM DRAIN
EQ	EQUAL	SECT	SECTION
EQUIP	EQUIPMENT	SPD	STANDARD PROCTOR DENSITY
EQUIV	EQUIVALENT	SPEC	SPECIFICATION
ESMT	EASEMENT	SQ	SQUARE
EST	ESTIMATE	SQ IN	SQUARE INCH
EVCE	END VERTICAL CURVE ELEVATION	SQ FT	SQUARE FOOT
EVCS	END VERTICAL CURVE STATION	SQ YD	SQUARE YARD
EW	EACH WAY	SS	SANITARY SEWER
EXP JT	EXPANSION JOINT	SST	STAINLESS STEEL
EXIST	EXISTING	STA	STATION
FND	FOUNDATION	STD	STANDARD
FES	FLARED END SECTION	STL	STEEL
FF	FINISH FLOOR	STRUCT	STRUCTURAL
FG	FINISH GRADE	SVC	SERVICE
FH	FIRE HYDRANT	SWMP	STORMWATER MANAGEMENT PLAN
FL	FLOW LINE	SYM	SYMMETRICAL
FN	FENCE	TB	THRUST BLOCK
FOC	FACE OF CONCRETE	TBU	TOP BANK OF CURB
FPH	FEET PER MINUTE	TM	TEMPORARY BENCH MARK
FPS	FEET PER SECOND	TEMP	TEMPORARY
FTG	FOOTING OR FITTING	TG	FINISHED GRADE ADJACENT TO TOP OF WALL
G	GAS	THK	THICK
GA	GAUGE	TOB	TOP OF BANK
GAL	GALLON	TOC	TOP OF CONCRETE OR TOP OF CURB
GALV	GALVANIZED	TOS	TOP OF STEP
GB	GRADE BREAK	TOT	TOTAL
GCO	GRADE CLEANOUT	TW	TOP OF WALL OR CAP OF WALL
GIP	GALVANIZED IRON PIPE	TYP	TYPICAL
GND	GROUND	UBC	UNIFORM BUILDING CODE
GPD	GALLONS PER DAY	UGE	UNDERGROUND ELECTRIC
GPM	GALLONS PER MINUTE	UTL	UTILITY
GR	GRATE	VERT	VERTICAL
GRTG	GRATING	VC	POINT OF VERTICAL CURVATURE
GSP	GALVANIZED STEEL PIPE	VCP	VITRIFIED CLAY PIPE
GV	GATE VALVE	W	WIDE OR WIDTH
H	HIGH	W	WITH
HB	HOSE BIB	W/O	WITHOUT
HE	HORIZONTAL ELLIPTICAL	WICE	WATER QUALITY CONTROL ELEVATION
HDWL	HEADWALL	WSE	WATER SURFACE ELEVATION
HDRL	HAND RAIL	WW	WASTEWATER
HORIZ	HORIZONTAL	X SECT	CROSS SECTION
HP	HIGH POINT	XFMR	ELECTRONIC TRANSFORMER
HVAC	HEATING, VENTILATION, AIR CONDITIONING	YH	YARD HYDRANT
HWY	HIGHWAY		
HWL	HIGH WATER LINE		
HYD	HYDRANT		

DESIGN LEGEND

	BENCHMARK		FENCE
	MANHOLE		FLOW LINE OF DITCH OR WASH
	WATER METER		SLOPE ARROW
	FIRE HYDRANT		PROPOSED SPOT ELEVATION
	STORM		EXIST SPOT ELEVATION
	SANITARY SEWER		EXIST INDEX CONTOUR
	WATER		EXIST INTERMEDIATE CONTOUR
	CABLE TV		CONCRETE PAVING
	DRAIN		HEAVY DUTY CONCRETE PAVING
	ELECTRIC		HEAVY DUTY ASPHALT PAVING
	UNDERGROUND ELECTRIC		LIGHT DUTY ASPHALT PAVING
	OVERHEAD ELECTRIC		GRAVEL
	TELEPHONE		LIMITS OF SAWCUT
	FIBER OPTIC		LIMITS OF WORK
	FUEL		EASEMENT LINE
	GAS		PROPERTY LINE
			ADJACENT PROPERTY LINE/ROW
			MATCHLINE

GIS LEGEND

	WATER LINE		CONCRETE SURFACE
	SANITARY SEWER LINE		ASPHALT SURFACE
	SANITARY SEWER MANHOLE		BUILDING WITH FOUNDATION
	RAILROAD TRACKS		BUILDING WITHOUT FOUNDATION
	PROPERTY LINE		SHRUBBERY PERIMETER
	BUILDING		TREE ROW/ PERIMETER
	EDGE OF ROAD		DECIDUOUS TREE
	FIRE HYDRANT		CONIFEROUS TREE
	GATE VALVE		

SURVEY LEGEND PARSES 6-10

	FOUND PROPERTY CORNER MONUMENT		CONCRETE SURFACE
	FOUND SECTION CORNER MONUMENT		ASPHALT SURFACE
	1/4 SECTION LINE		BUILDING WITH FOUNDATION
	1/16 SECTION LINE		BUILDING WITHOUT FOUNDATION
	PROJECT LIMITS		SHRUBBERY PERIMETER
	LOCATED BURIED WATER LINE		TREE ROW/ PERIMETER
	LOCATED BURIED GAS LINE		DECIDUOUS TREE
	LOCATED BURIED TELEPHONE LINE		CONIFEROUS TREE
	OVERHEAD POWER POLE		
	CALCULATED BOUNDARY LINE		
	BOUNDARY LINE		
	WIRE FENCE		
	WOOD FENCE		
	CHAIN LINK FENCE		
	VINYL FENCE		
	SANITARY SEWER MANHOLE & PIPELINE		

NOTE: SHADED ITEMS REPRESENT EXIST FEATURES

GENERAL NOTES

1. ALL MATERIALS AND WORKMANSHIP SHALL BE IN CONFORMANCE WITH THE LATEST STANDARDS AND SPECIFICATIONS OF THE CITY OF GRAND JUNCTION, COLORADO DEPARTMENT OF TRANSPORTATION, GRAND JUNCTION FIRE PROTECTION REQUIREMENTS, AND APPLICABLE STATE AND LOCAL STANDARDS AND SPECIFICATIONS. THE CONTRACTOR SHALL HAVE IN POSSESSION AT THE JOB SITE AT ALL TIMES ONE (1) SIGNED COPY OF APPROVED PLANS, STANDARDS AND SPECIFICATIONS. CONTRACTOR SHALL CONSTRUCT AND MAINTAIN EMERGENCY ACCESS ROUTES TO THE SITE AND STRUCTURE AT ALL TIMES PER THE APPLICABLE GRAND JUNCTION FIRE PROTECTION DISTRICT REQUIREMENTS. THE CONTRACTOR SHALL OBTAIN WRITTEN APPROVAL FOR ANY VARIANCE TO THE ABOVE DOCUMENTS. NOTIFY ENGINEER OF ANY CONFLICTING STANDARDS OR SPECIFICATIONS. IN THE EVENT OF ANY CONFLICTING STANDARD OR SPECIFICATION, THE MORE STRINGENT OR HIGHER QUALITY STANDARD, DETAIL OR SPECIFICATION SHALL APPLY.

2. THE CONTRACTOR SHALL OBTAIN, AT HIS OWN EXPENSE, ALL APPLICABLE CODES, LICENSES, STANDARD SPECIFICATIONS, PERMITS, BONDS, ETC., WHICH ARE NECESSARY TO PERFORM THE PROPOSED WORK, INCLUDING, BUT NOT LIMITED TO A LOCAL AND STATE GROUNDWATER DISCHARGE AND COLORADO DEPARTMENT OF HEALTH AND ENVIRONMENT (CDPHE) STORMWATER DISCHARGE PERMIT ASSOCIATED WITH CONSTRUCTION ACTIVITY.

3. THE CONTRACTOR SHALL BE RESPONSIBLE FOR NOTIFYING THE CITY OF GRAND JUNCTION AT LEAST 48 HOURS PRIOR TO START OF ANY CONSTRUCTION, PRIOR TO BACKFILLING, AND AS REQUIRED BY JURISDICTIONAL AUTHORITY AND/OR PROJECT SPECIFICATIONS. THE CONTRACTOR SHALL CONTINUE WITH NOTIFICATIONS THROUGHOUT THE PROJECT AS REQUIRED BY THE STANDARDS AND SPECIFICATIONS.

4. THE LOCATIONS OF EXISTING UTILITIES ARE SHOWN IN THE APPROXIMATE LOCATION BASED ON INFORMATION BY OTHERS. NOT ALL UTILITIES MAY BE SHOWN. THE CONTRACTOR SHALL DETERMINE THE EXACT SIZE, LOCATION AND TYPE OF ALL EXISTING UTILITIES WHETHER SHOWN OR NOT BEFORE COMMENCING WORK. THE ENGINEER AND/OR OWNER ASSUMES NO RESPONSIBILITY FOR THE ACCURACY OR COMPLETENESS SHOWN ON PLANS. THE CONTRACTOR SHALL BE FULLY AND SOLELY RESPONSIBLE FOR ANY AND ALL DAMAGES AND COSTS WHICH MIGHT OCCUR BY THE CONTRACTOR'S FAILURE TO EXACTLY LOCATE AND PRESERVE ANY AND ALL UTILITIES. THE CONTRACTOR SHALL NOTIFY ALL PUBLIC AND PRIVATE UTILITY COMPANIES AND DETERMINE THE LOCATION OF ALL EXISTING UTILITIES PRIOR TO PROCEEDING WITH GRADING AND CONSTRUCTION. ALL WORK PERFORMED IN THE AREA OF UTILITIES SHALL BE PERFORMED AND INSPECTED ACCORDING TO THE REQUIREMENTS OF THE UTILITY OWNER. LIKEWISE, THE CONTRACTOR SHALL BE RESPONSIBLE FOR LOCATING AND MAPPING ANY EXISTING UTILITY (INCLUDING DEPTH) WHICH MAY CONFLICT WITH THE PROPOSED CONSTRUCTION, AND FOR RELOCATING ENCOUNTERED UTILITIES AS DIRECTED BY THE ENGINEER. CONTRACTOR SHALL CONTACT AND RECEIVE APPROVAL FROM CITY OF GRAND JUNCTION BEFORE RELOCATING ANY ENCOUNTERED UTILITIES. CONTRACTOR RESPONSIBLE FOR SERVICE CONNECTIONS, AND RELOCATING AND RECONNECTING AFFECTED UTILITIES AS COORDINATED WITH UTILITY OWNER AND/OR ENGINEER, INCLUDING NON-MUNICIPAL UTILITIES (TELEPHONE, GAS, CABLE, WATER, IRRIGATION, ETC., WHICH SHALL BE COORDINATED WITH THE UTILITY OWNER). THE CONTRACTOR SHALL IMMEDIATELY CONTACT ENGINEER UPON DISCOVERY OF A UTILITY DISCREPANCY OR CONFLICT. AT LEAST 48 HOURS PRIOR TO CONSTRUCTION, THE CONTRACTOR SHALL NOTIFY THE UTILITY NOTIFICATION CENTER OF COLORADO (1-800-922-1987, WWW.UNCC.ORG). SEE SURVEY UTILITY LOCATION INFORMATION BELOW.

5. THE CONTRACTOR SHALL BE SOLELY AND COMPLETELY RESPONSIBLE FOR CONDITIONS AT AND ADJACENT TO THE JOB SITE, INCLUDING SAFETY OF ALL PERSONS AND PROPERTY DURING THE PERFORMANCE OF THE WORK. THE CONTRACTOR SHALL PREPARE A TRAFFIC CONTROL PLAN FOR OWNER AND/OR CITY APPROVAL AND PROVIDE ALL LIGHTS, SIGNS, BARRICADES, FENCING, FLAGMEN OR OTHER DEVICES NECESSARY TO PROVIDE FOR PUBLIC SAFETY. THIS REQUIREMENT SHALL APPLY CONTINUOUSLY AND NOT BE LIMITED TO NORMAL WORKING HOURS. THE CONTRACTOR AGREES TO COMPLY WITH THE PROVISIONS OF THE TRAFFIC CONTROL PLAN AND THE LATEST EDITION OF THE "MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES," PART VI, FOR CONSTRUCTION SIGNAGE AND TRAFFIC CONTROL. ALL TEMPORARY AND PERMANENT TRAFFIC SIGNS SHALL COMPLY TO THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES (MUTCD) WITH REGARD TO SIGN SHAPE, COLOR, SIZE, LETTERING, ETC. UNLESS OTHERWISE SPECIFIED. IF APPLICABLE, PART NUMBERS ON SIGNAGE DETAILS REFER TO MUTCD SIGN NUMBERS.

6. THE CONTRACTOR SHALL BE RESPONSIBLE FOR REMOVING ANY GROUNDWATER ENCOUNTERED DURING THE CONSTRUCTION OF ANY PORTION OF THIS PROJECT. GROUNDWATER SHALL BE PUMPED, PIPED, REMOVED AND DISPOSED OF IN A MANNER WHICH DOES NOT CAUSE FLOODING OF EXISTING STREETS NOR EROSION ON ADJUTING PROPERTIES IN ORDER TO CONSTRUCT THE IMPROVEMENTS SHOWN ON THESE PLANS. GROUNDWATER TO BE PUMPED SHALL BE TESTED, PERMITTED, AND PUMPED PER THE STATE OF COLORADO AND LOCAL GROUNDWATER DISCHARGING PERMIT REQUIREMENTS.

7. RIM AND GRATE ELEVATIONS SHOWN ON PLANS ARE APPROXIMATE ONLY AND ARE NOT TO BE TAKEN AS FINAL ELEVATIONS. THE CONTRACTOR SHALL ADJUST RIMS AND OTHER IMPROVEMENTS TO MATCH FINAL PAVEMENT AND FINISHED GRADE ELEVATIONS.

8. FINAL LIMITS OF REQUIRED ASPHALT SAWCUTTING AND PATCHING MAY VARY FROM LIMITS SHOWN ON PLANS. CONTRACTOR TO PROVIDE SAWCUT AND PATCH WORK TO ACHIEVE POSITIVE DRAINAGE AND A SMOOTH TRANSITION TO EXISTING ASPHALT WITHIN SLOPES ACCEPTABLE TO THE ENGINEER AND WITHIN MUNICIPAL STANDARDS. CONTRACTOR SHALL PROVIDE ADDITIONAL SAWCUTTING AND PATCHING AT UTILITY WORK, CONNECTION POINTS TO EXISTING PAVEMENT AND FEATURES, ETC. THAT MAY NOT BE DELINEATED ON PLANS.

9. ANY EXISTING MONITORING WELLS, CLEANOUTS, VALVE BOXES, ETC. TO BE PROTECTED AND TO REMAIN IN SERVICE. IF FEATURES EXIST, EXTEND OR LOWER TO FINAL SURFACE WITH LIKE KIND CAP WITH STANDARD CAST ACCESS LID WITH SAME MARKINGS. IN LANDSCAPED AREAS PROVIDE A CONCRETE COLLAR (18"x18"x6" THICK) AT ALL EXISTING AND PROPOSED MONITORING WELLS, CLEANOUTS, VALVE BOXES, ETC.

10. OWNER TO APPROVE ALL PRIVATE CONCRETE FINISHING, JOINT PATTERNS AND COLORING REQUIREMENTS PRIOR TO CONSTRUCTION. SUBMIT JOINT LAYOUT PLAN TO OWNER FOR APPROVAL PRIOR TO CONSTRUCTION.

11. PIPE LENGTHS SHOWN ARE FROM CENTER OF STRUCTURES, END OF FLARED END SECTIONS, ETC. SEE STRUCTURE DETAILS FOR EXACT HORIZONTAL CONTROL LOCATION. CONTRACTOR IS RESPONSIBLE FOR ADJUSTING ACTUAL PIPE LENGTHS TO ACCOUNT FOR STRUCTURES AND LENGTH OF FLARED END SECTIONS.

12. GIS INFORMATION 2025 CIPP:

12.1. BENCHMARK INFORMATION: TOPOGRAPHIC INFORMATION WAS ACQUIRED FROM THE MESA COUNTY DATA DOWNLOAD SITE ([HTTPS://EMAP.MESACOUNTY.US/DOWNLOADDATA/](https://emap.mesacounty.us/downloaddata/)).

12.2. CITY OF GRAND JUNCTION FEATURE DATA WAS DOWNLOAD FORM THE WEBSITE ([HTTPS://DATA-GJCITYGIS.OPENDATA.ARCGIS.COM/](https://data-gjcitygis.opendata.arcgis.com/)). EXISTING SITE FEATURES FROM THE CITY'S DATA WERE PROVIDED ON THE WGS84 COORDINATE SYSTEM AND PROJECTED INTO MCLCS HORIZONTAL COORDINATE SYSTEM. FEATURES INCLUDE, SANITARY SEWER MANHOLES AND PIPES, PARCELS, AND ROAD CENTERLINE. SANITARY SEWER SERVICES ARE DRAWN IN BASED ON CCTV FOOTAGE FROM THE SEWER. UTILITIES NOT OWNED BY THE CITY OF GRAND JUNCTION, UTE WATER, IRRIGATION, AND DRY UTILITIES ARE NOT INCLUDED ON THE DRAWINGS AND SHOULD BE LOCATED PRIOR TO CONSTRUCTION.

12.3. HORIZONTAL CONTROL INFORMATION: NO HORIZONTAL CONTROL COORDINATES ARE PROVIDED. PLANS ARE PROVIDED ON THE MESA COUNTY LOCAL COORDINATE SYSTEM (MCLCS).

12.4. UTILITY LOCATION INFORMATION: SUBSURFACE UTILITIES ARE SHOWN IN APPROXIMATE HORIZONTAL AND VERTICAL LOCATIONS CONSISTENT WITH ASCE 38-02 QUALITY LEVEL "D" (INFORMATION DERIVED FROM EXISTING RECORDS OR ORAL RECOLLECTIONS AND BY USING PROFESSIONAL JUDGMENT), AND BASED ON FIELD MEASUREMENTS PROVIDED BY THE OWNER AND/OR ENGINEER. SUBSURFACE UTILITIES ARE NOT DEPCTED TO THE EXTENT SET FORTH IN ASCE 38-02 QUALITY LEVELS "A" (INFORMATION OBTAINED THROUGH THE NONDESTRUCTIVE EXPOSURE OF UNDERGROUND UTILITIES, AND ALSO PROVIDES THE TYPE, SIZE, CONDITION, MATERIAL AND OTHER CHARACTERISTICS OF UNDERGROUND FEATURES), TO THE EXTENT DEEMED NECESSARY FOR THE PROTECTION OF PERSONS AND PROPERTY, POTHOLES OR OTHER PRECISE MAPPING MAY BE COMPLETED TO CONFIRM THE EXACT LOCATION OF ANY SUBSURFACE UTILITIES. NOTIFY OWNER AND ENGINEER WITH ALL UTILITY INFORMATION PRIOR TO CONSTRUCTION. VISIT [HTTPS://WWW.FHWA.DOT.GOV/PROGRAMADMIN/SUEINDEX.CFM](https://www.fhwa.dot.gov/programadmin/sueindex.cfm) FOR MORE INFORMATION.

12.5. AS-BUILT RECORD INFORMATION WILL BE PROVIDED TO, AND APPROVED BY CITY STAFF PRIOR TO FINAL ACCEPTANCE OF THE PROJECT. INFORMATION TO BE PROVIDED MUST BE IN ELECTRONIC FORMAT (E.G. CAD AND/OR SURVEY FILES) ALONG WITH A PDF SHOWING AS-BUILT DRAWINGS. AS-BUILT ELECTRONIC FILES MUST CONTAIN INFORMATION SUITABLE FOR THE CITY TO MAINTAIN UTILITY RECORDS TO THE STANDARDS SET FORTH IN NEW COLORADO 811 ONE CALL/SUBSURFACE UTILITY LAW (EFFECTIVE 8 AUGUST 2018) AND STANDARDS AS DESCRIBED IN AMERICAN SOCIETY OF CIVIL ENGINEERS (ASCE) STANDARD 29 GUIDELINES FOR THE COLLECTION & DEPICTION OF EXISTING SUBSURFACE UTILITY DATA (ASCE 38-02).

12.6. ELECTRONIC INFORMATION FOR AS-BUILT RECORDS SHALL INCLUDE, BUT IS NOT LIMITED TO VERIFICATION OF ALL HORIZONTAL AND VERTICAL CHANGES IN PIPE ALIGNMENTS, ELBOWS, TEES, MANHOLES, VALVES, CONTROL STRUCTURES, SERVICE TAPS, SERVICE PIPE (HORIZONTAL AND VERTICAL DEFLECTIONS TO ROW LINE OR METER PITS, WHICHEVER IS CLOSER), BEGINNING AND ENDING OF SUIP-LINED SEGMENTS, TIE-IN OR CONNECTION TO EXISTING INFRASTRUCTURE, ETC. DISTANCE BETWEEN AS-BUILT DATA POINTS ALONG PIPE ALIGNMENT IS DEPENDENT ON THE AMOUNT OF DEFLECTION USED TO INSTALL THE PIPE IN THE FIELD. THERE MUST BE SUFFICIENT POINT DATA TO CREATE A PLAN AND PROFILE OF ALL INFRASTRUCTURE ACCURATE TO WITHIN EIGHTEEN INCHES (18") OF THE PHYSICAL STRUCTURES ANYWHERE ALONG THE PROJECT.

13. SURVEY INFORMATION (PARSES 6-10):

13.1. BENCHMARK INFORMATION: TOPOGRAPHIC INFORMATION WAS PROVIDED BY CITY OF GRAND JUNCTION. SEE IMPROVEMENT AND MAPPING SURVEY PARSE 6 DATED SEPTEMBER 7, 2021, BY WILLIAM H. SMITH & ASSOCIATES, INC. (WHS). THE FIELD SURVEYS AND PROCESSING OF DATA WAS MADE IN THE MESA COUNTY LOCAL COORDINATE SYSTEM (MCLCS) GRAND VALLEY AREA (GVA) ZONE AND NAVD88 VERTICAL DATUM WITH GEOID 12A MODEL TO CONVERT ELLIPSOID HEIGHTS TO ORTHOMETRIC ELEVATIONS. THE MCLCS USED THE IN THE SAID WHS SURVEY ARE BASED UPON REFERENCE FROM:

MESA COUNTY CONTROL POINT P310 - PRECISION 8-5PPM	MESA COUNTY CONTROL POINT P318 - PRECISION 8-5PPM
NORTH 28231.71 SFT (MCGVA)	NORTH 19671.32 SFT (MCGVA)
EAST 92054.57 SFT (MCGVA)	EAST 110221.18 SFT (MCGVA)
NAVD 88, G12A ELEVATION: 4631.32 SFT	NAVD 88, G12A ELEVATION: 4793.43 SFT
LATITUDE: 39° 02' 47.60643" N	LATITUDE: 39° 01' 23.00622" N
LONGITUDE: 108° 33' 42.12299" W	LONGITUDE: 108° 29' 51.95172" W
ELLIPSOID HEIGHT: 1394.760 METER	ELLIPSOID HEIGHT: 1444.23 METERS
COMMENT: NGS 916" STAINLESS STEEL ROD IN MONUMENT WELL	COMMENT: NGS 916" STAINLESS STEEL ROD IN MONUMENT WELL

13.2. BEARINGS ARE BASED ON GRID NORTH OF THE MESA COUNTY LOCAL COORDINATE SYSTEM IN THE GVA ZONE, LOCALLY DETERMINED BY GNSS OBSERVATIONS ON THE SHOWN BLOCK CORNER MONUMENTS RECOVERED IN SECTION 11, TOWNSHIP 1 SOUTH AT RANGE 1 WEST AT THE INTERSECTION OF ORCHARD AVENUE WITH NORTH 4TH STREET AND THE BLOCK CORNER MONUMENT AT THE INTERSECTION OF ORCHARD AVENUE WITH NORTH 5TH STREET AS HAVING A MEASURED BEARING OF SOUTH 89° 57' 28" EAST AND A MEASURED DISTANCE OF 480.94 FEET.

13.3. HORIZONTAL CONTROL INFORMATION: HORIZONTAL CONTROL COORDINATES ARE BASED ON THE REFERENCED SURVEY AND ARE PROVIDED BY THE FOLLOWING POINTS AS SHOWN ON THE PLANS:

CP-1 N41548.77	E90938.17	ELEV 4612.22	1" IRON PIPE / 0.8" BELOW GROUND
CP-2 N41726.12	E91024.48	ELEV 4617.27	1/2" IRON PIPE / 0.1" BELOW GROUND
CP-3 N41726.26	E91099.59	ELEV 4617.68	NO. 5 REBAR (BENT ON TOP) / 0.1" BELOW GROUND

13.4. SURVEY UTILITY LOCATION INFORMATION PER THE SURVEYOR: SUBSURFACE UTILITIES ARE SHOWN IN APPROXIMATE HORIZONTAL AND VERTICAL LOCATIONS CONSISTENT WITH ASCE 38-02 QUALITY LEVEL "B" (INFORMATION OBTAINED BY THE APPLICATION OF APPROPRIATE SURFACE GEOPHYSICAL METHODS TO DETERMINE THE EXISTENCE AND HORIZONTAL POSITION OF VIRTUALLY ALL UTILITIES WITHIN THE PROJECT LIMITS. THE INFORMATION OBTAINED IN THIS MANNER IS SURVEYED TO PROVIDE CONTROL POINTS AND QUALITY LEVEL "C" (INFORMATION OBTAINED BY SURVEYING AND PLOTTING ABOVE-GROUND FEATURES AND BY USING PROFESSIONAL JUDGMENT IN CORRELATING THIS INFORMATION TO QUALITY LEVEL D; INFORMATION DERIVED FROM EXISTING RECORDS OR ORAL RECOLLECTIONS), AND BASED ON FIELD MEASUREMENTS PROVIDED BY THE OWNER AND THE CONTRACTOR. SUBSURFACE UTILITIES ARE NOT DEPCTED TO THE EXTENT SET FORTH IN ASCE 38-02 QUALITY LEVELS "A" (INFORMATION OBTAINED THROUGH THE NONDESTRUCTIVE EXPOSURE OF UNDERGROUND UTILITIES, AND ALSO PROVIDES THE TYPE, SIZE, CONDITION, MATERIAL AND OTHER CHARACTERISTICS OF UNDERGROUND FEATURES), TO THE EXTENT DEEMED NECESSARY FOR THE PROTECTION OF PERSONS AND PROPERTY, POTHOLES OR OTHER PRECISE MAPPING MAY BE COMPLETED TO CONFIRM THE EXACT LOCATION OF ANY SUBSURFACE UTILITIES. NOTIFY OWNER AND ENGINEER WITH ALL UTILITY INFORMATION PRIOR TO CONSTRUCTION. VISIT [HTTPS://WWW.FHWA.DOT.GOV/PROGRAMADMIN/SUEINDEX.CFM](https://www.fhwa.dot.gov/programadmin/sueindex.cfm) FOR MORE INFORMATION.

14. SERVICE TAP LOCATIONS ARE APPROXIMATE AND IDENTIFIED BASED ON CCTV VIDEOS PROVIDED BY THE CITY OF GRAND JUNCTION. CONTRACTOR IS RESPONSIBLE FOR LOCATING AND RESTORING ALL SERVICE CONNECTIONS.

15. ALL SURPLUS MATERIALS, TOOLS, AND TEMPORARY STRUCTURES, FURNISHED BY THE CONTRACTOR, SHALL BE REMOVED FROM THE PROJECT SITE BY THE CONTRACTOR. ALL DEBRIS AND RUBBISH CAUSED BY THE OPERATIONS OF THE CONTRACTOR SHALL BE REMOVED, AND THE AREA OCCUPIED DURING CONSTRUCTION ACTIVITIES SHALL BE RESTORED TO ITS ORIGINAL CONDITION, WITHIN 48 HOURS OF PROJECT COMPLETION, UNLESS OTHERWISE DIRECTED BY THE MUNICIPALITY OR OWNER'S REPRESENTATIVE.

16. THE CONTRACTOR IS REQUIRED TO PROVIDE AND MAINTAIN EROSION AND SEDIMENT CONTROL MEASURES IN ACCORDANCE WITH THE LOCAL JURISDICTION, THE STATE OF COLORADO, MILE HIGH FLOOD DISTRICT "URBAN" STORM DRAINAGE CRITERIA MANUAL VOLUME 3", THE M-STANDARD PLANS OF THE COLORADO DEPARTYMENT OF TRANSPORTATION, AND THE APPROVED EROSION CONTROL PLAN. JURISDICTIONAL AUTHORITY MAY REQUIRE THE CONTRACTOR TO PROVIDE ADDITIONAL EROSION CONTROL MEASURES AT THE CONTRACTOR'S EXPENSE DUE TO UNFORESEEN EROSION PROBLEMS OR IF THE PLANS DO NOT FUNCTION AS INTENDED. THE CONTRACTOR IS RESPONSIBLE FOR PROHIBITING SILT AND DEBRIS LADEN RUNOFF FROM LEAVING THE SITE, AND FOR KEEPING ALL PUBLIC AREAS FREE OF MUD AND DEBRIS. THE CONTRACTOR IS RESPONSIBLE FOR RE-ESTABLISHING FINAL GRADES AND FOR REMOVING ACCUMULATED SEDIMENTATION FROM ALL AREAS INCLUDING SWALES AND DETENTION/WATER QUALITY AREAS. CONTRACTOR SHALL REMOVE TEMPORARY EROSION CONTROL MEASURES AND REPAIR AREAS AS REQUIRED AFTER VEGETATION IS ESTABLISHED AND ACCEPTED BY OWNER AND MUNICIPALITY.

17. PROTECT ALL TREES AND VEGETATION. PLACE CONSTRUCTION FENCING AT DRIP LINE OF TREES AND PLANTS NEAR THE WORK ZONE. DEEP WATER TREES WEEKLY. HAND EXCAVATION REQUIRED AT ROOT ZONES WHERE PROPOSED PAVING OR UTILITY WORK IS WITHIN DRIPLINE OF TREES.

18. LOCATIONS OF CLEANOUTS, LIGHTS, SIGNAGE, JUNCTION BOXES, AND OTHER SIGNIFICANT SITE FEATURES TO BE STAKED FOR ENGINEER AND OR OWNER APPROVAL PRIOR TO WORK. CLEANOUTS, JUNCTION BOXES, AND ADJACENT GRADES TO BE RAISED ONE-HALF INCH AT ASPHALT/CONCRETE (OR 1" AT LANDSCAPING) TO PROVIDE POSITIVE DRAINAGE AWAY FROM FEATURES.

19. THE CONTRACTOR AT THE CONTRACTORS EXPENSE SHALL FURNISH THE OWNER AND ENGINEER OF RECORD A COMPLETE SET OF CONSTRUCTION RECORD DRAWINGS ("AS-BUILTS") FOR THE CONSTRUCTED IMPROVEMENTS. THE AS-BUILT SET SHALL SHOW SUFFICIENT DIMENSION TIES TO PERMANENT SURFACE FEATURES OR NORTHING/EASTING POINTS FOR ALL BURIED FACILITIES TO ALLOW FOR FUTURE LOCATING. THE AS-BUILT SET SHALL SHOW AS-BUILT CONTOURS AND ELEVATIONS OF ASPHALT AND CONCRETE FLATWORK, FLOWLINES, GRADE BREAKS, STAIRS, CROSS-SLOPES, HIGH AND LOW POINTS, AND ADDITIONAL ELEVATIONS TO DEMONSTRATE IMPROVEMENTS WERE CONSTRUCTED PER PLANS. THE AS-BUILT SET SHALL SHOW ELEVATIONS OF ALL DETENTION/WATER QUALITY FACILITIES, INCLUDING BUT NOT LIMITED TO BERMS, SPILLWAYS, BASIN BOTTOM, PIPE INVERTS, AND CONTROL STRUCTURE FEATURES (AS SURVEYED AND STAMPED BY A CERTIFIED P.L.S.). THE AS-BUILT SET SHALL ALSO INCLUDE ELEVATIONS OF MANHOLES, PIPES, INLETS, GRATES, AND SIZES OF ALL UTILITIES. THE AS-BUILT SET SHALL SHOW ANY AND ALL VARIATIONS FROM THE APPROVED PLAN. ENGINEER WILL PRODUCE FINAL RECORD DRAWINGS.

2025 CIPP
SANITARY SEWER REPLACEMENT
LEGEND, NOTES, & ABBRIVIATIONS

REVISION 1

REVISION 2

REVISION 3

REVISION 4

DESCRIPTION

DATE

DRAWN BY

DESIGNED BY

CHECKED BY

APPROVED BY

SA/SNG

ZCF/AMF

AMR

DATE

DATE

DATE

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4/25/2025

4/25/2025

4/25/2025

SCALES:

PLAN

Grand Junction

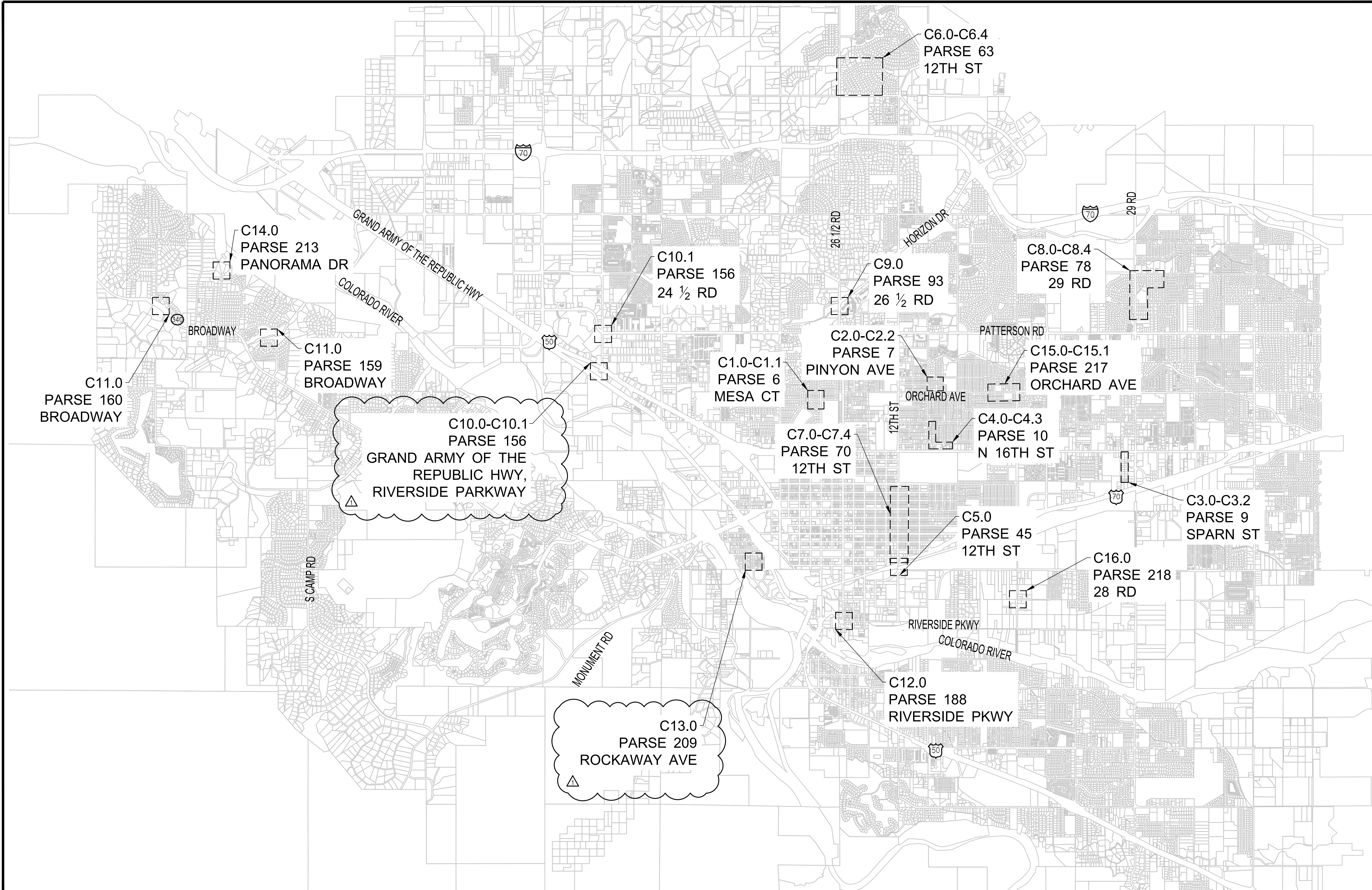
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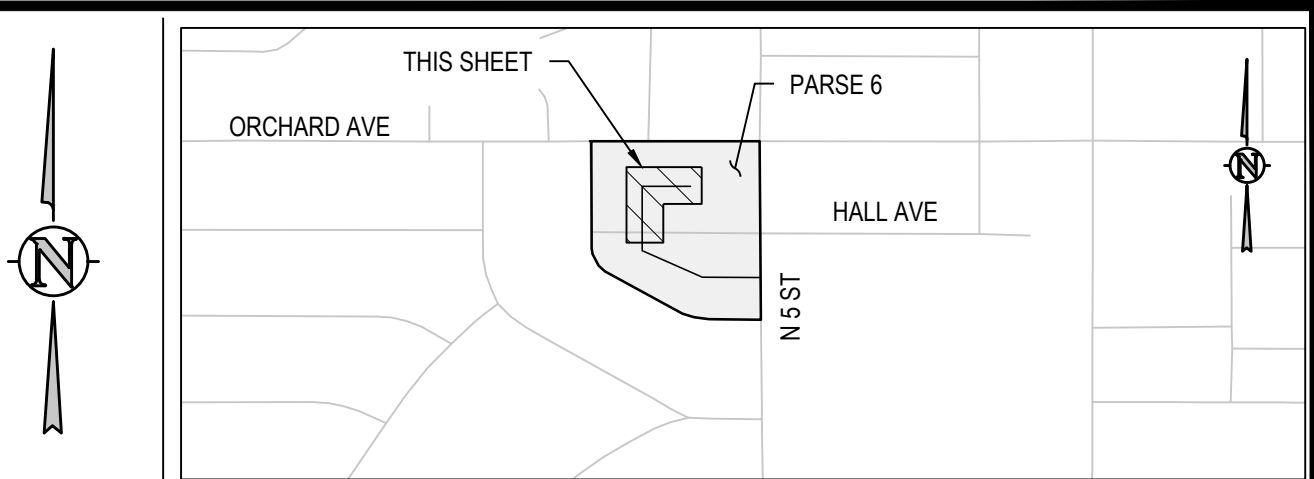
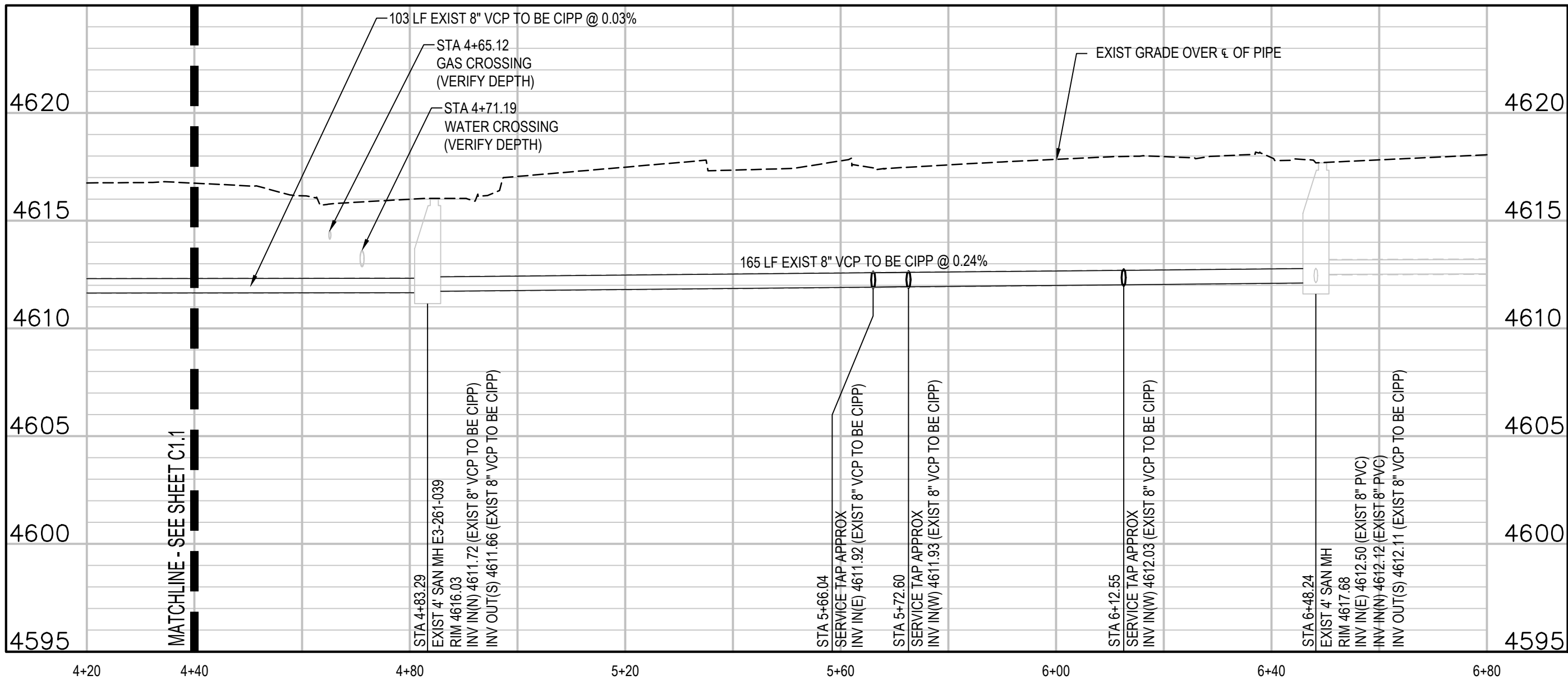
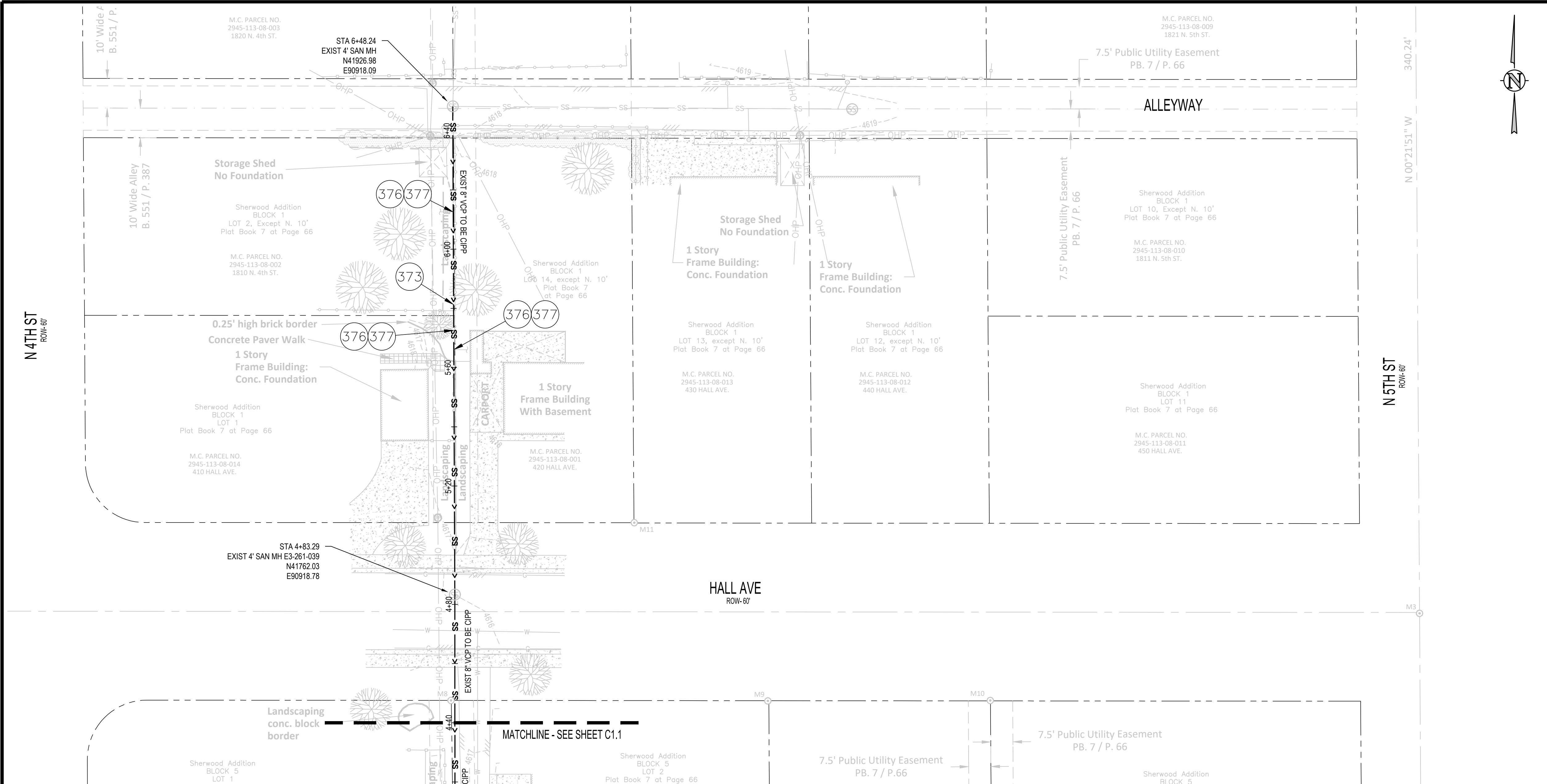
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2025 CIPP
SANITARY SEWER REPLACEMENT
LEGEND, NOTES, & ABBRIVIATIONS

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KEY MAP
NTS

CONSTRUCTION NOTES

- 373 102.9/108.2 - CURED IN PLACE PIPE (CIPP) (SIZE AS SHOWN); DESIGNED, SUBMITTED, AND STAMPED BY P.E.; INSTALLED BY CONTRACTOR OR SUBCONTRACTOR MEETING SPECIFICATIONS DEFINED BY IN CONTRACT DOCUMENTS. SEE SPECIAL PROVISIONS. DESIGN SHALL BE FOR EXISTING PIPE IN FULLY DETERIORATED CONDITION. CONTRACTOR SHALL VERIFY DIAMETER OF PIPE PRIOR TO DESIGN AND FABRICATION OF LINER.
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CHECKED BY	AMR	DATE	4/25/2025
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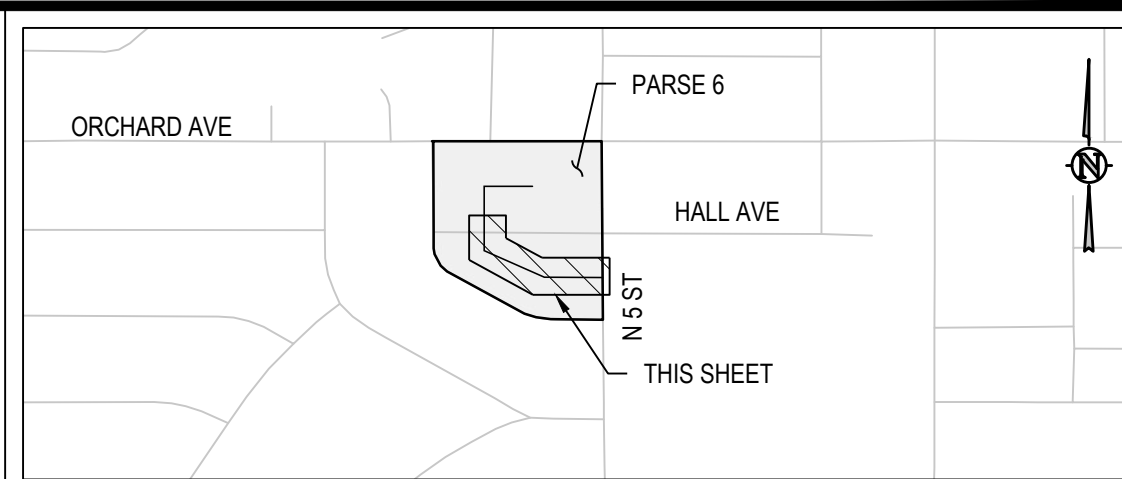
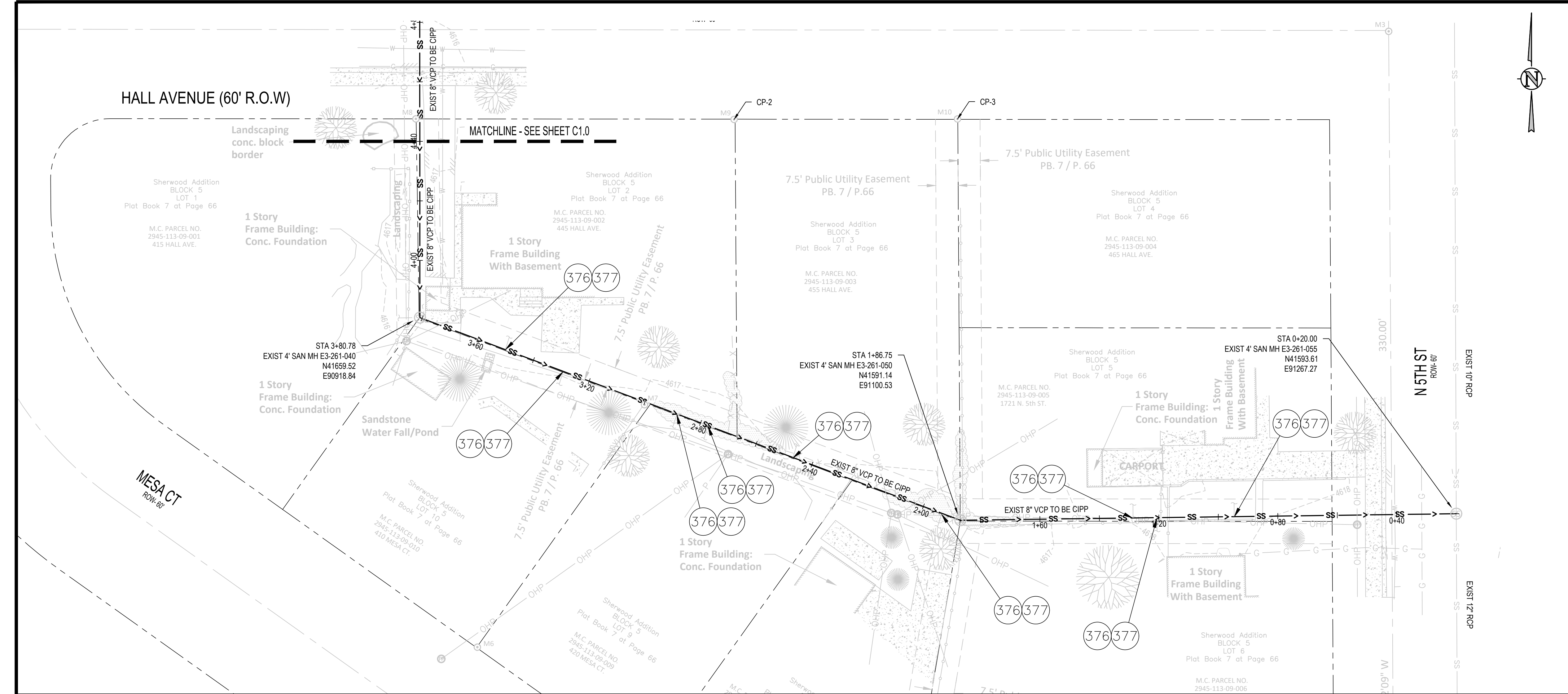
SCALES:
PLAN HORIZONTAL 1"=20'
VERTICAL 1"=5'



2025 CIPP
SANITARY SEWER REPLACEMENT
PARSE 6 - SANITARY PLAN & PROFILE

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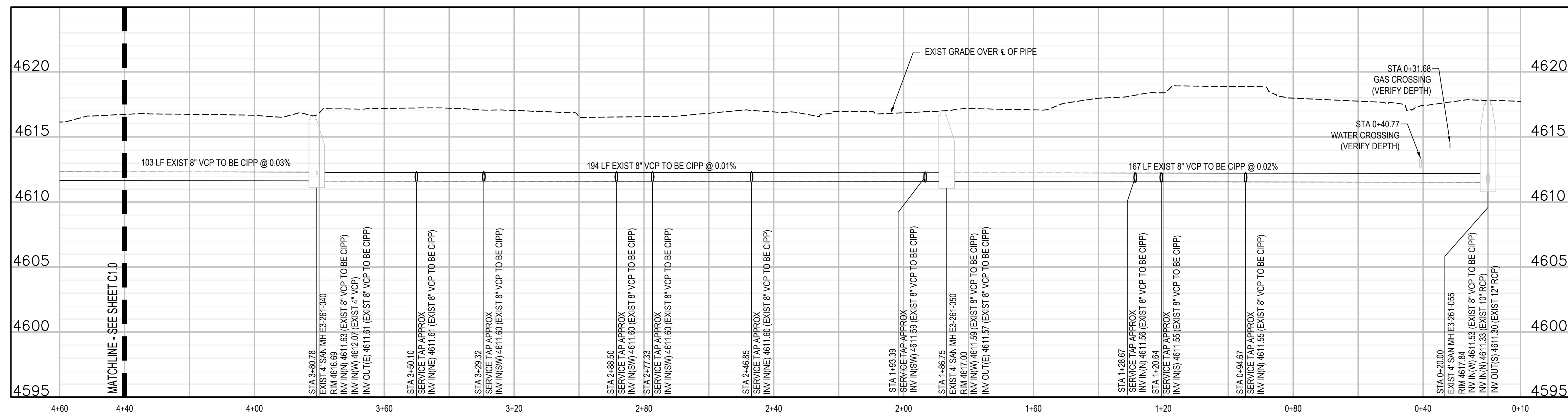
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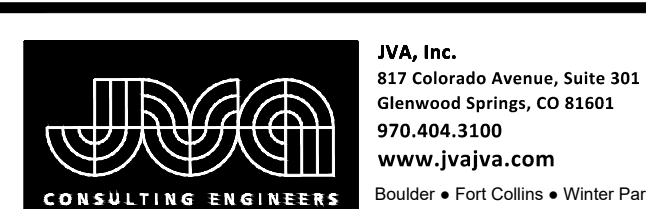
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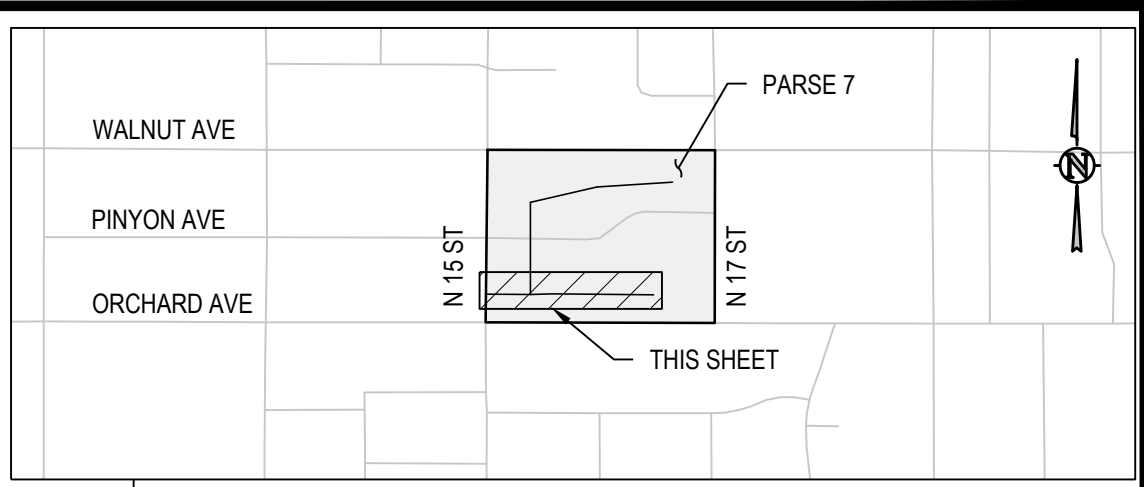
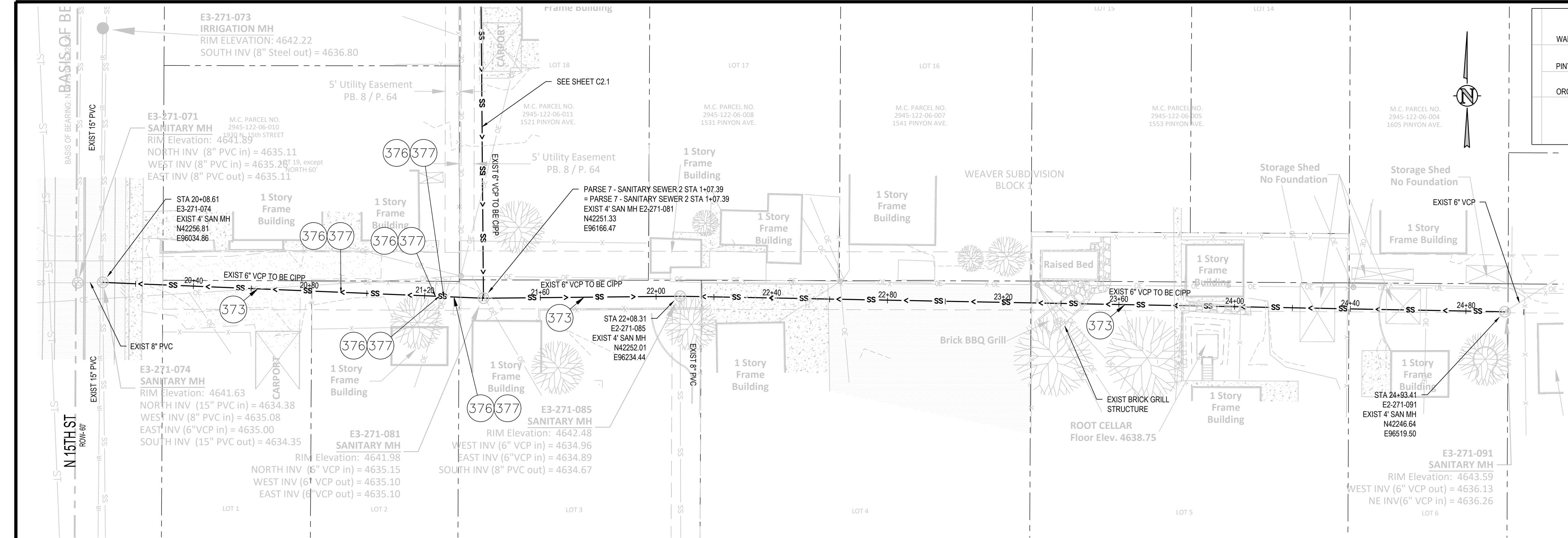
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SCALES:	PLAN
	HORIZONTAL 1"=20'
	VERTICAL 1"=5'

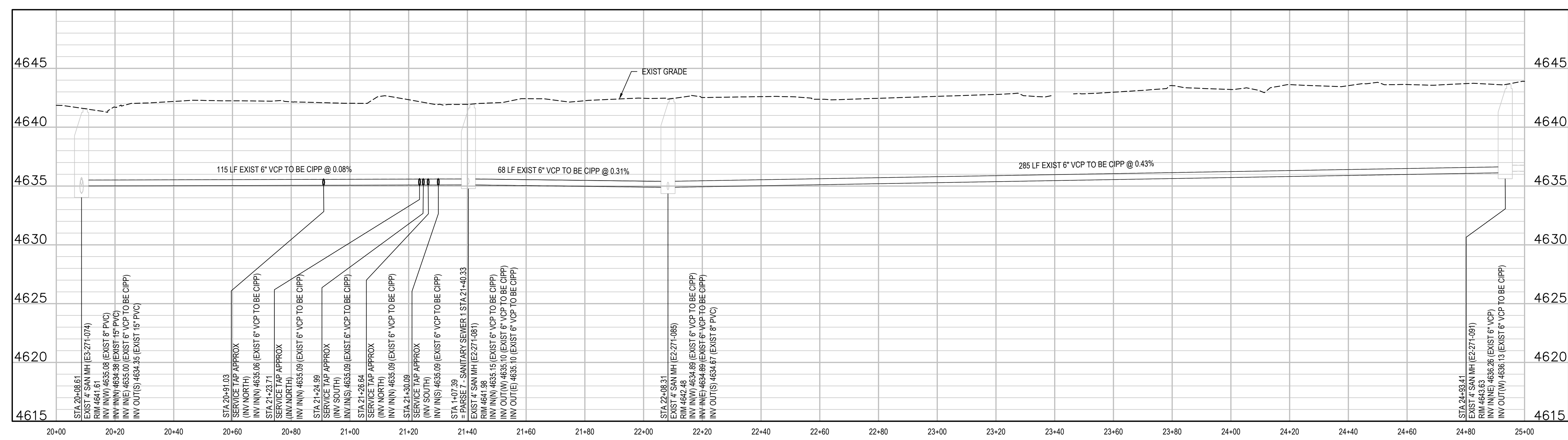


2025 CIPP
SANITARY SEWER REPLACEMENT
PARSE 6 - SANITARY PLAN & PROFILE



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3			AMR	4/25/2025
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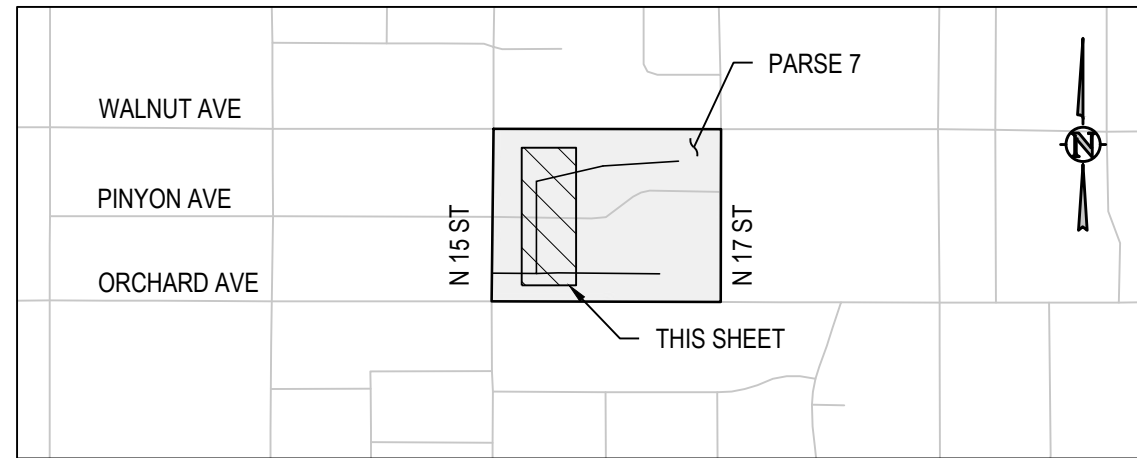
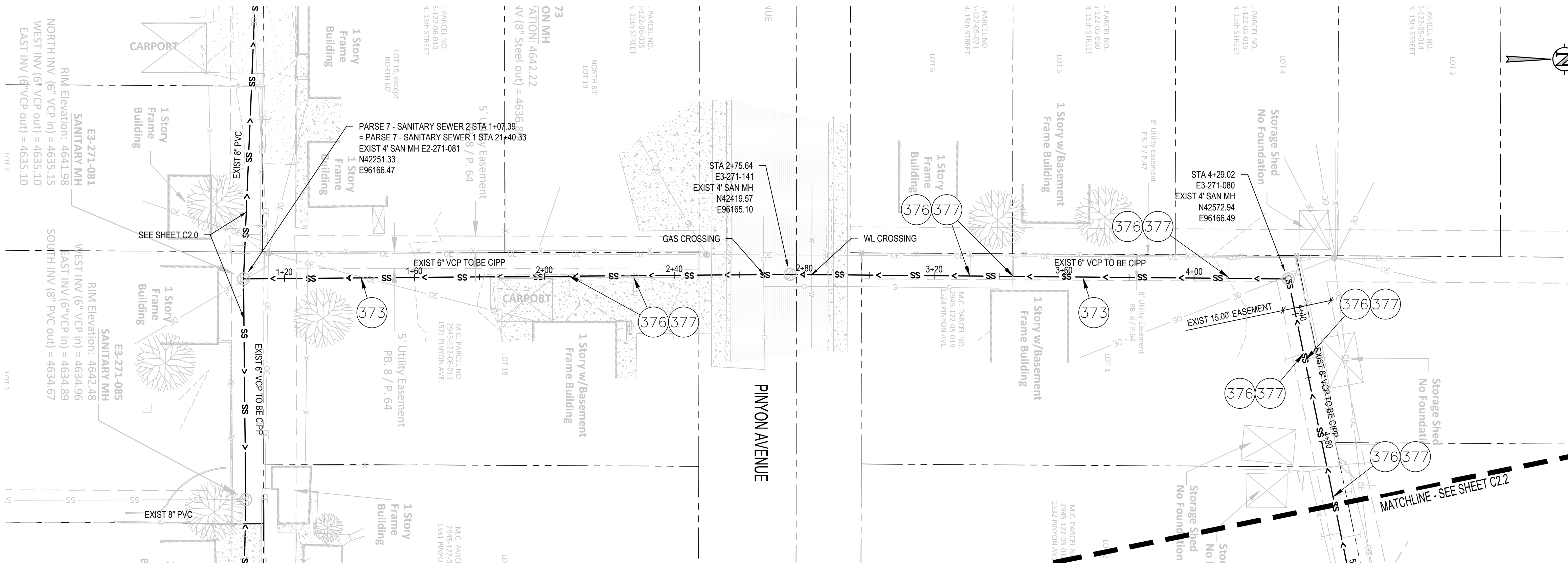
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HORIZONTAL 1"=20'
VERTICAL 1"=5'



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PARSE 7 - SANITARY PLAN & PROFILE

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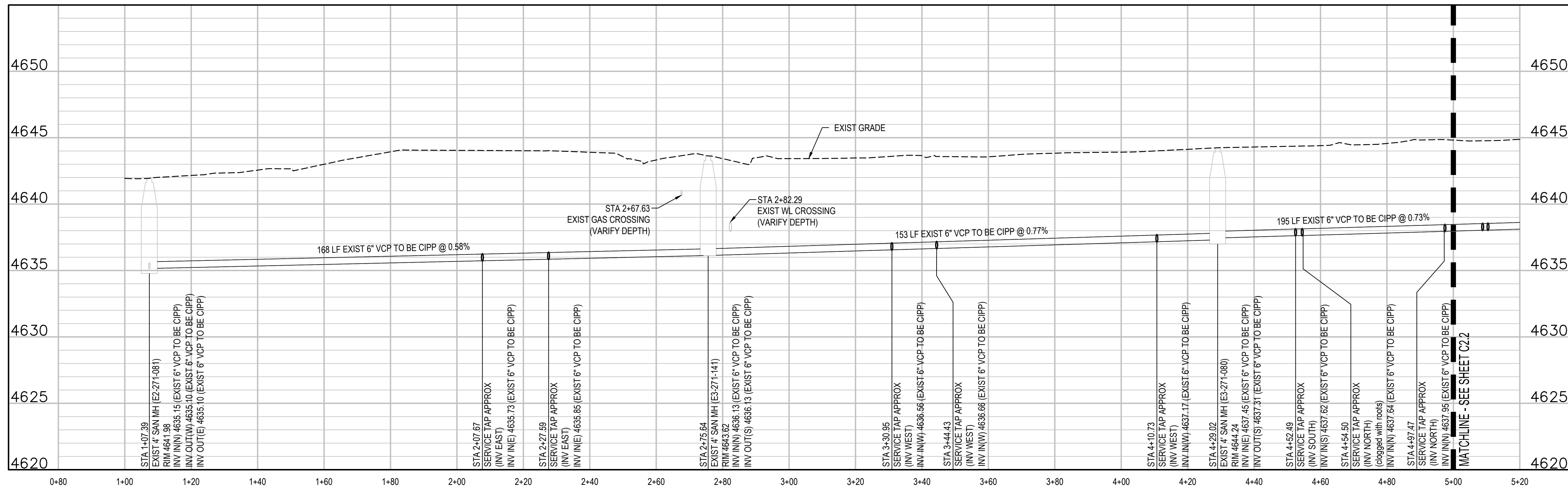
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KEY MAP
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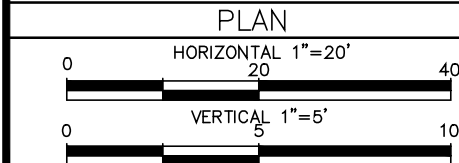
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REVISION B		
REVISION C		
REVISION D		

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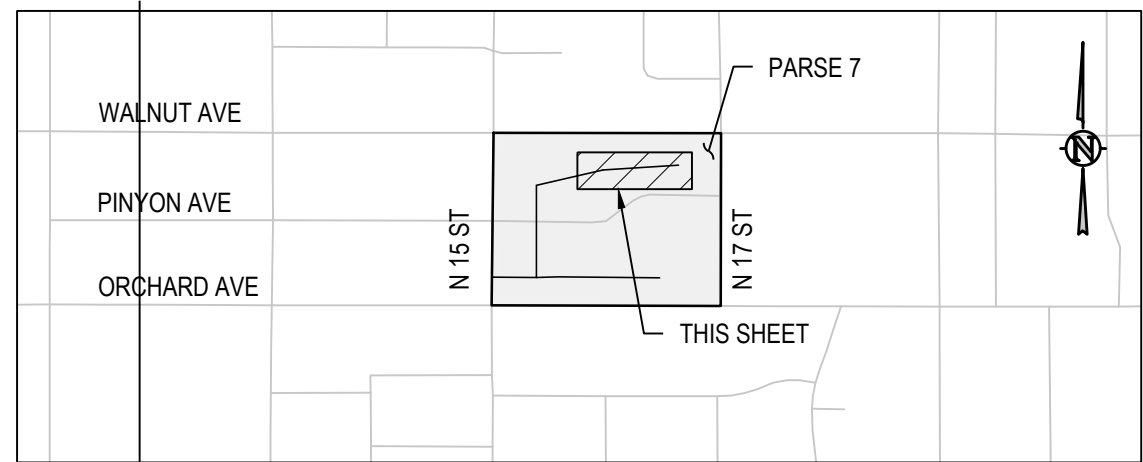
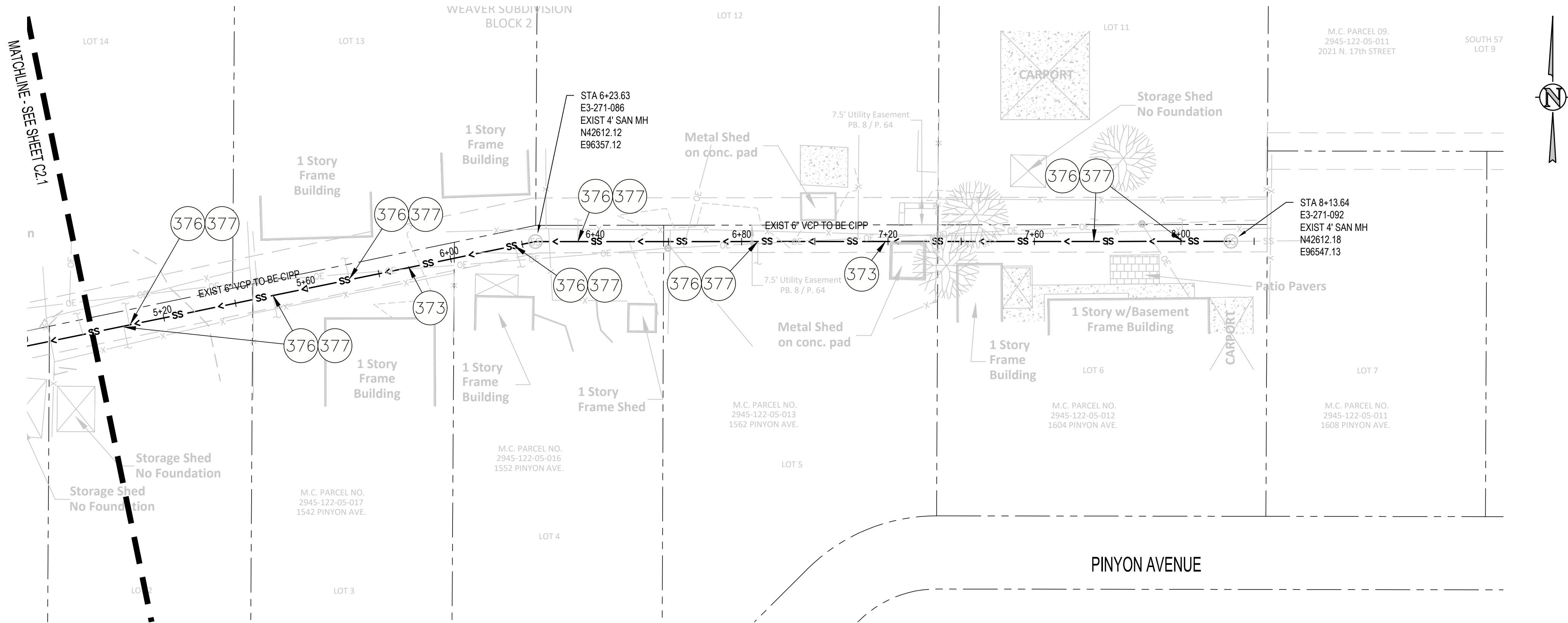
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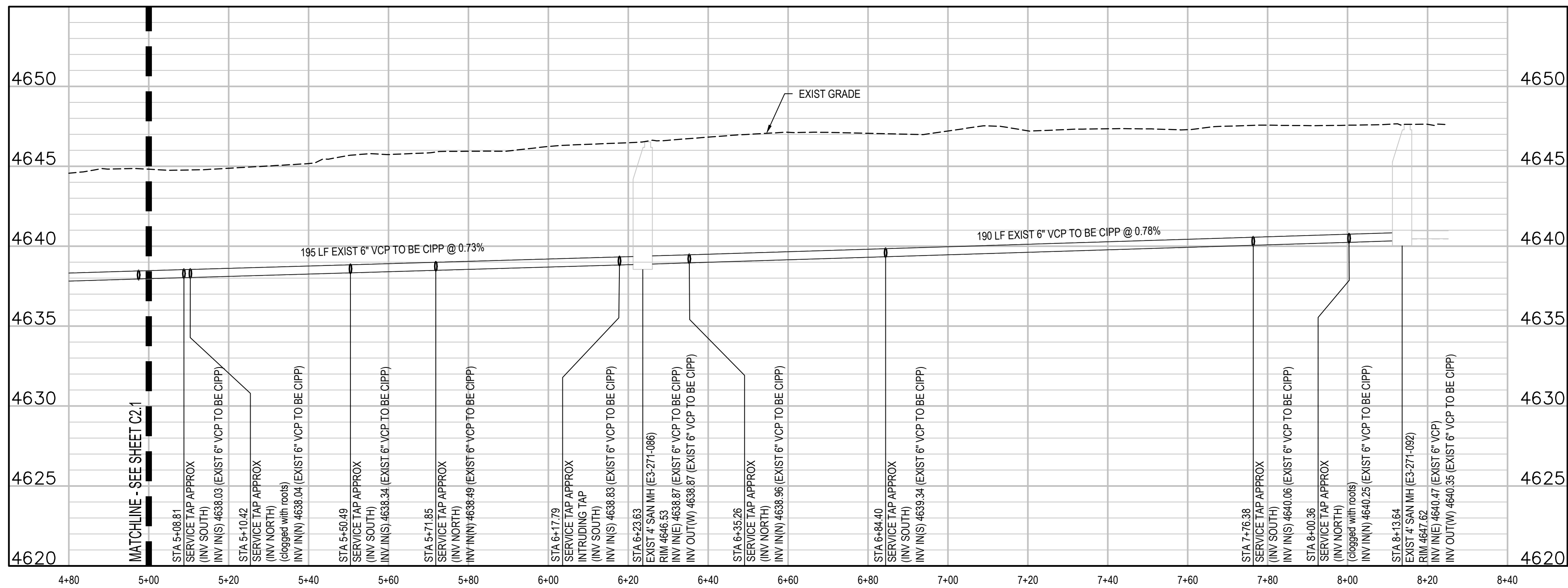
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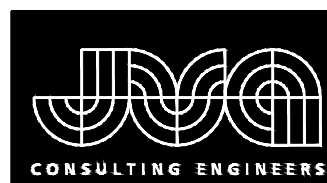
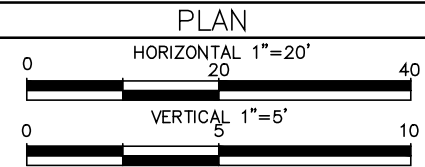
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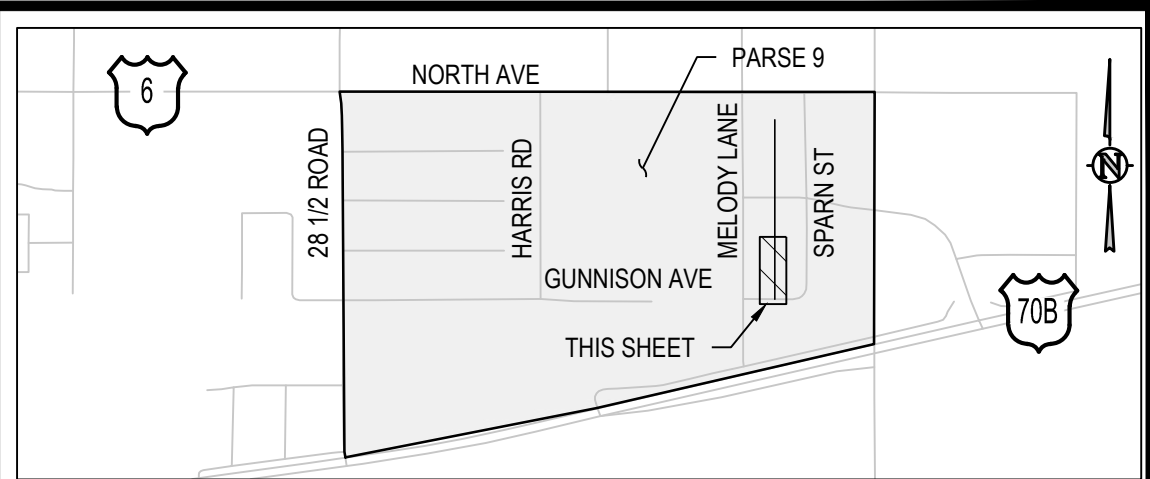
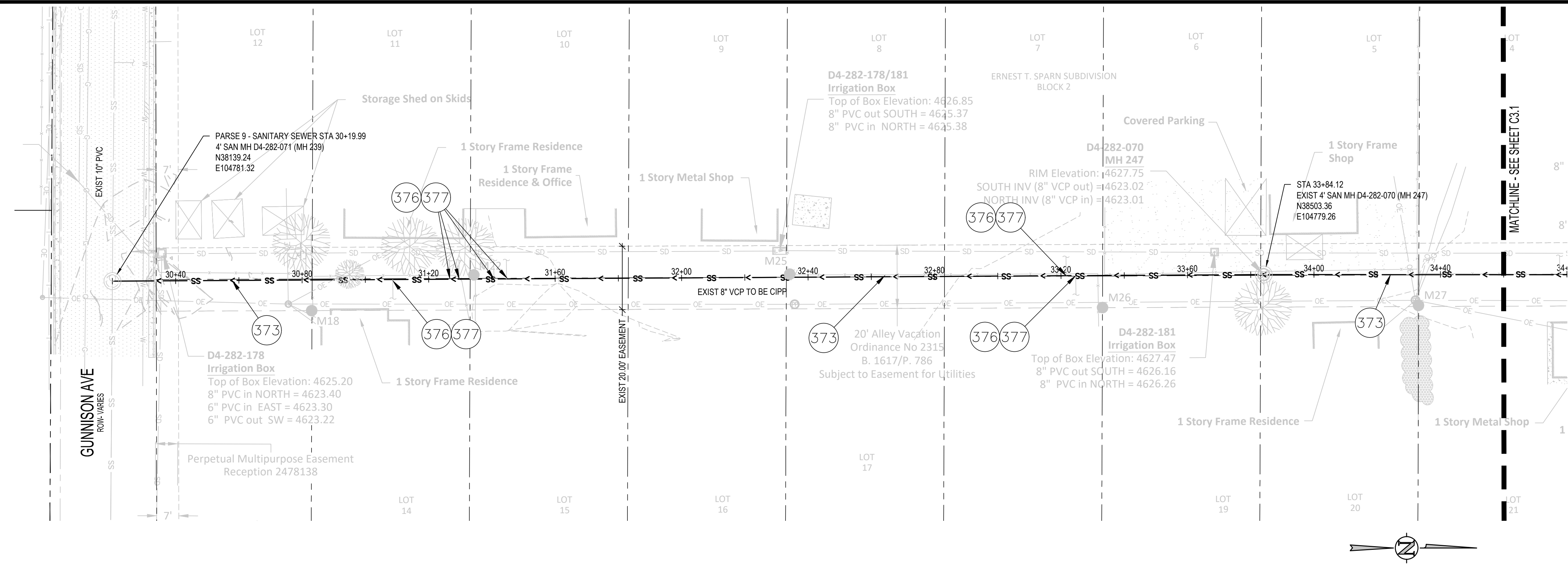
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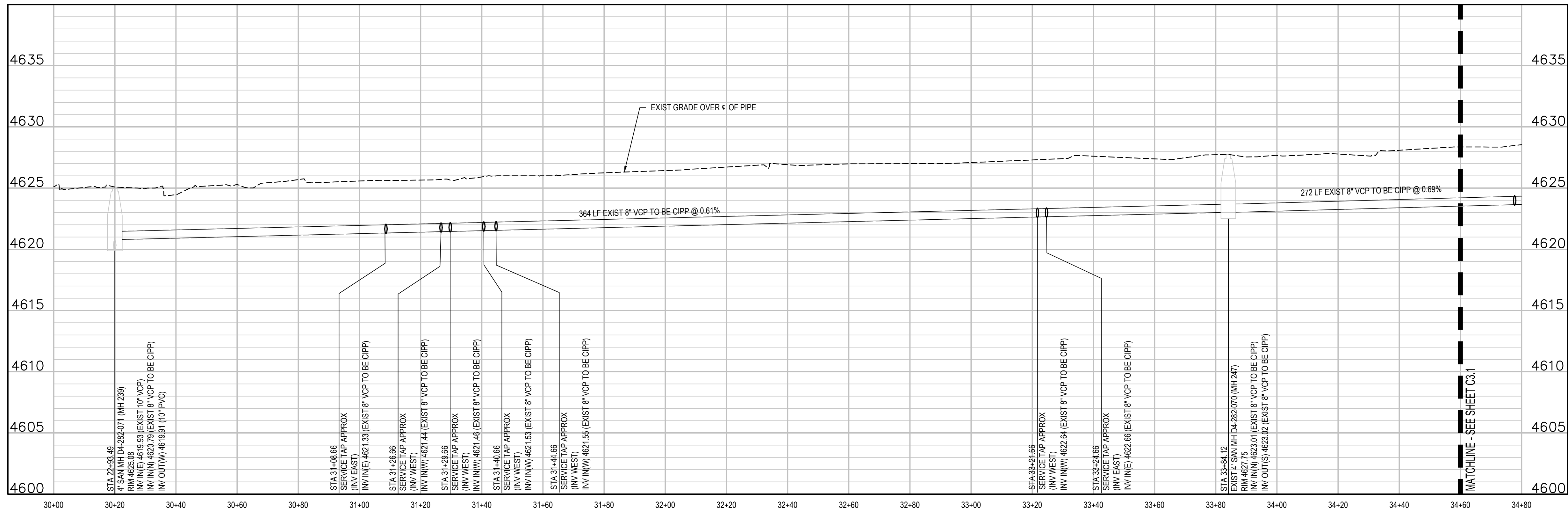
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KEY MAP
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CONSTRUCTION NOTES

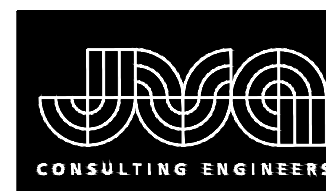
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SCALES:	PLAN
	HORIZONTAL 1"=20'
	VERTICAL 1"=5'

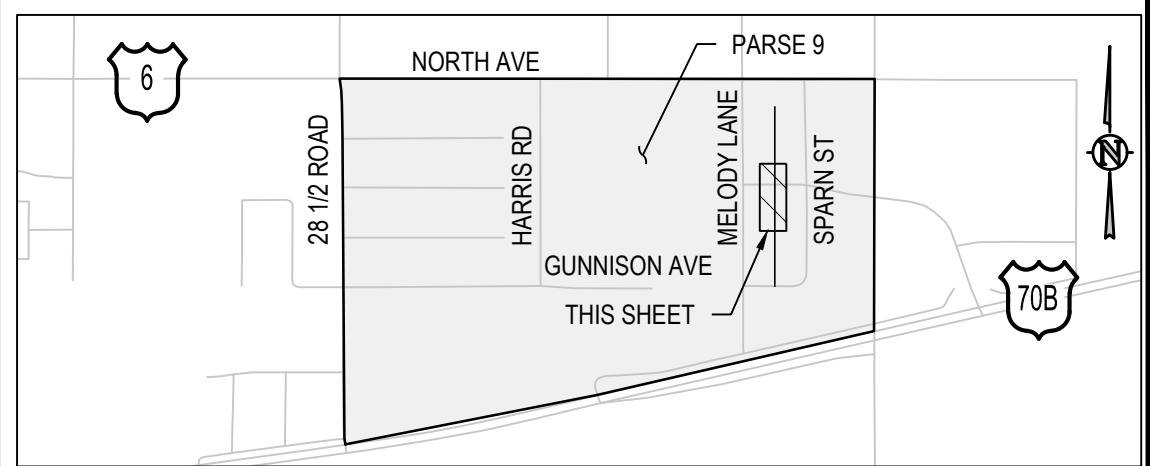
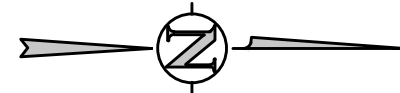
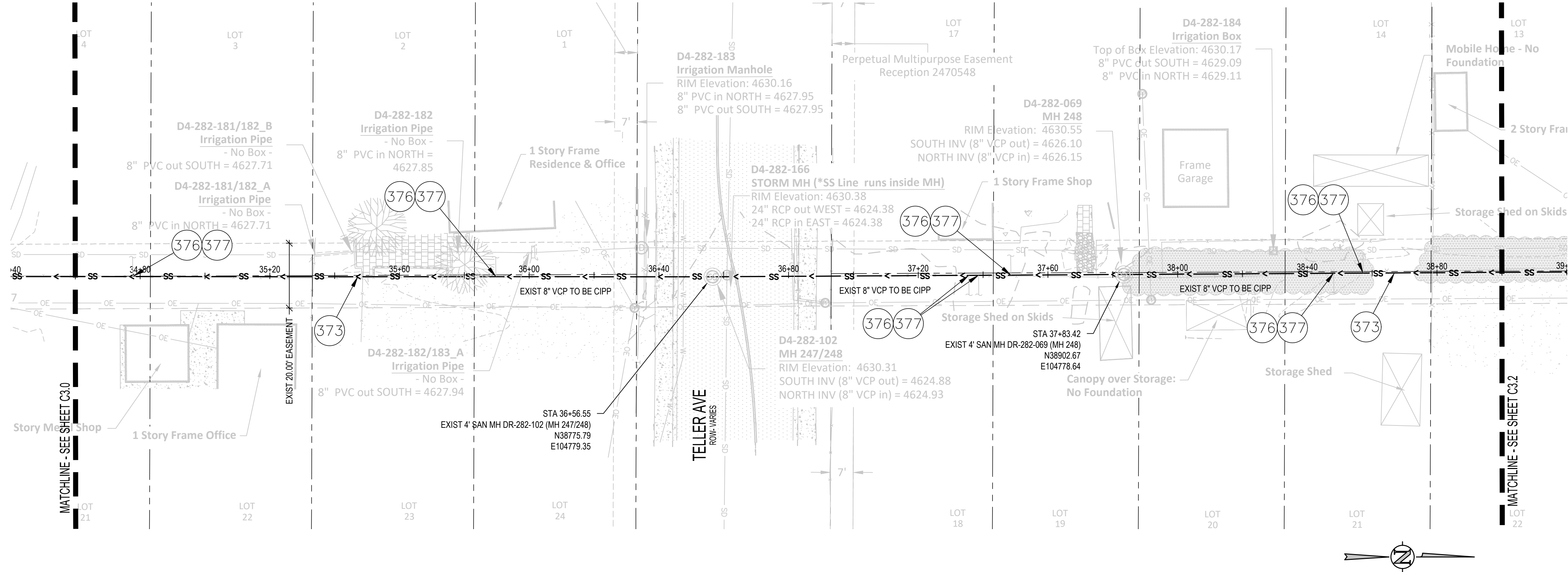


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2025 CIPP
SANITARY SEWER REPLACEMENT
PARSE 9 - SANITARY PLAN & PROFILE

C3.0

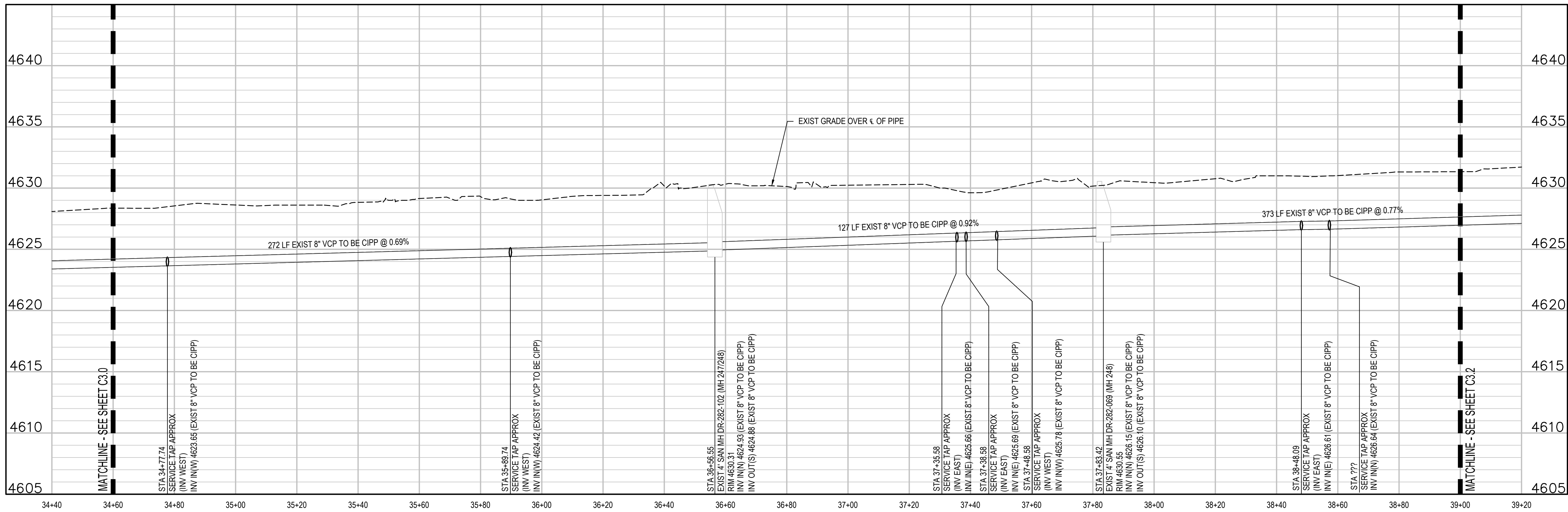
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KEY MAP
NTS

CONSTRUCTION NOTES

- 373 102.9/108.2 - CURED IN PLACE PIPE (CIPP) (SIZE AS SHOWN); DESIGNED, SUBMITTED, AND STAMPED BY P.E.; INSTALLED BY CONTRACTOR OR SUBCONTRACTOR MEETING SPECIFICATIONS DEFINED BY IN CONTRACT DOCUMENTS. SEE SPECIAL PROVISIONS. DESIGN SHALL BE FOR EXISTING PIPE IN FULLY DETERIORATED CONDITION. CONTRACTOR SHALL VERIFY DIAMETER OF PIPE PRIOR TO DESIGN AND FABRICATION OF LINER.
- 376 REMOVE COUPON AT SERVICE LOCATION (INCIDENTAL TO CIPP).
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UTILITY NOTES:

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5. CONTRACTOR TO CLEAN AND VIDEO PIPES BEFORE AND AFTER CIPP
6. INSTALL TOP HAT COUPONS AT ALL SERVICES
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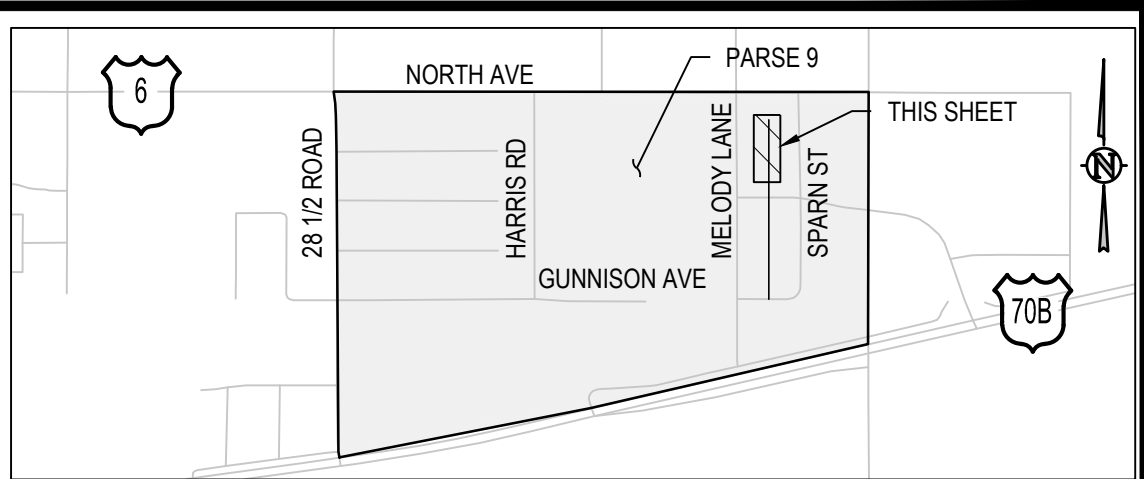
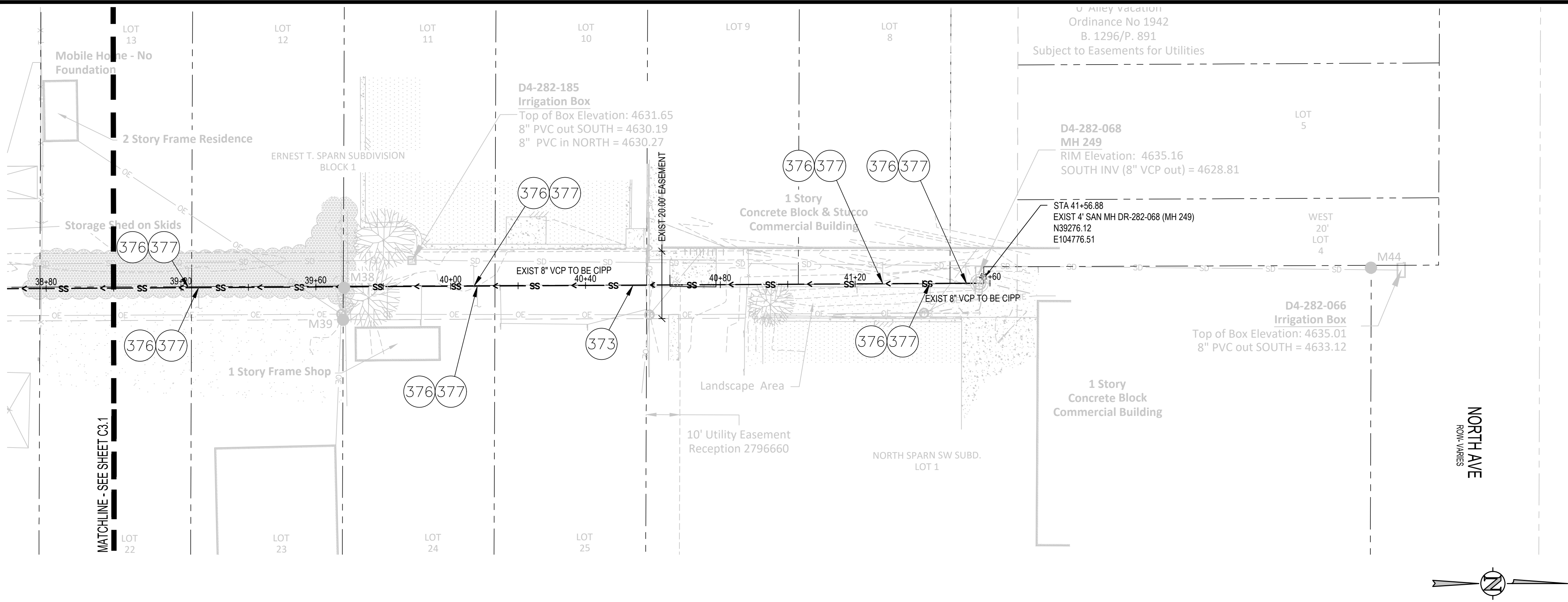
REVISION	DESCRIPTION	DATE
REVISION		
REVISION		
REVISION		

DRAWN BY SAA/SNG DATE 4/25/2025
DESIGNED BY ZCF/AMF DATE 4/25/2025
CHECKED BY AMR DATE 4/25/2025
APPROVED BY _____ DATE _____

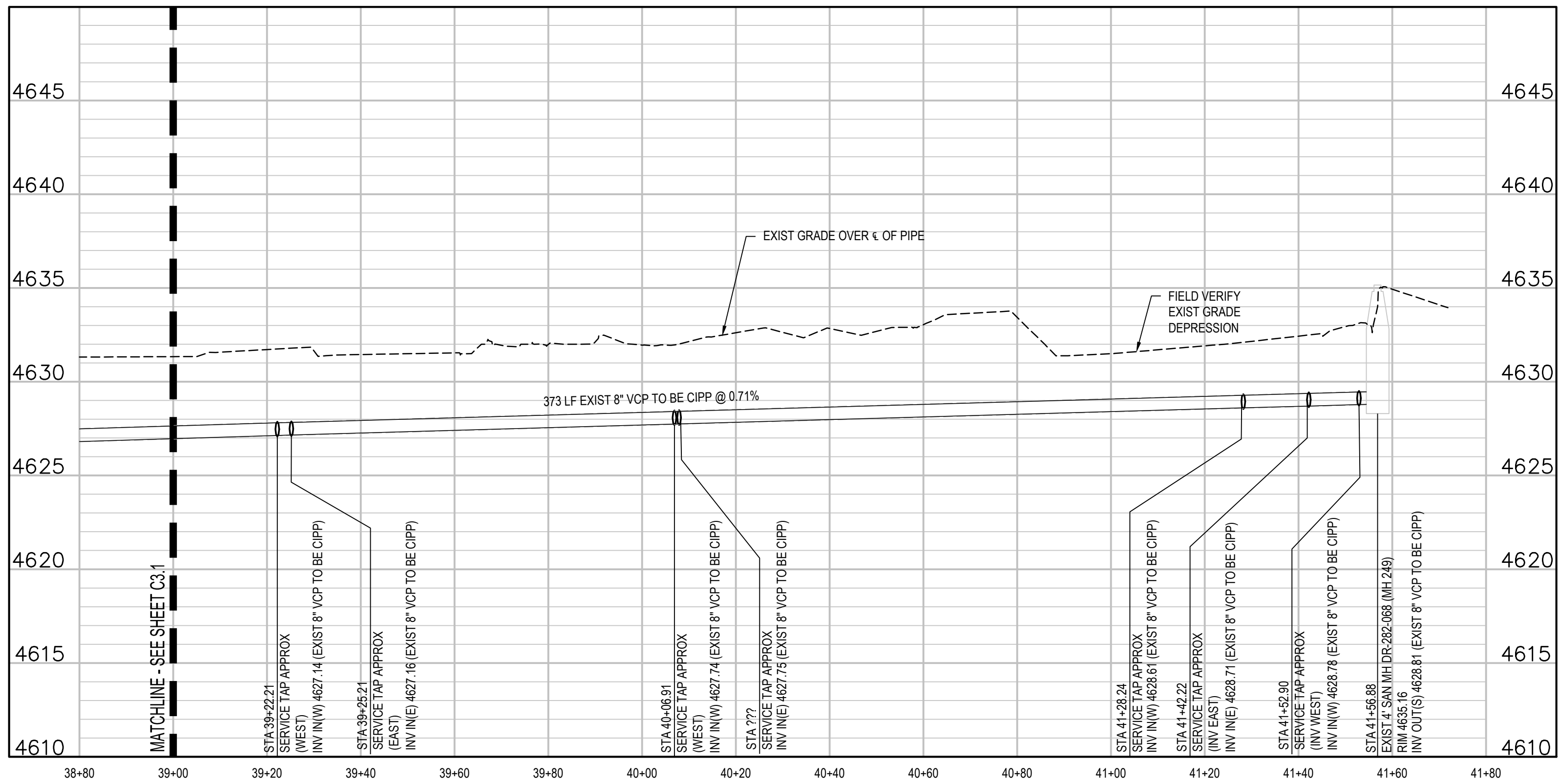
SCALES:
PLAN
HORIZONTAL 1"=20'
VERTICAL 1"=5'



2025 CIPP
SANITARY SEWER REPLACEMENT
PARSE 9 - SANITARY PLAN & PROFILE



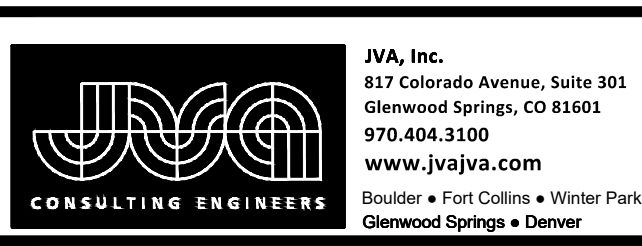
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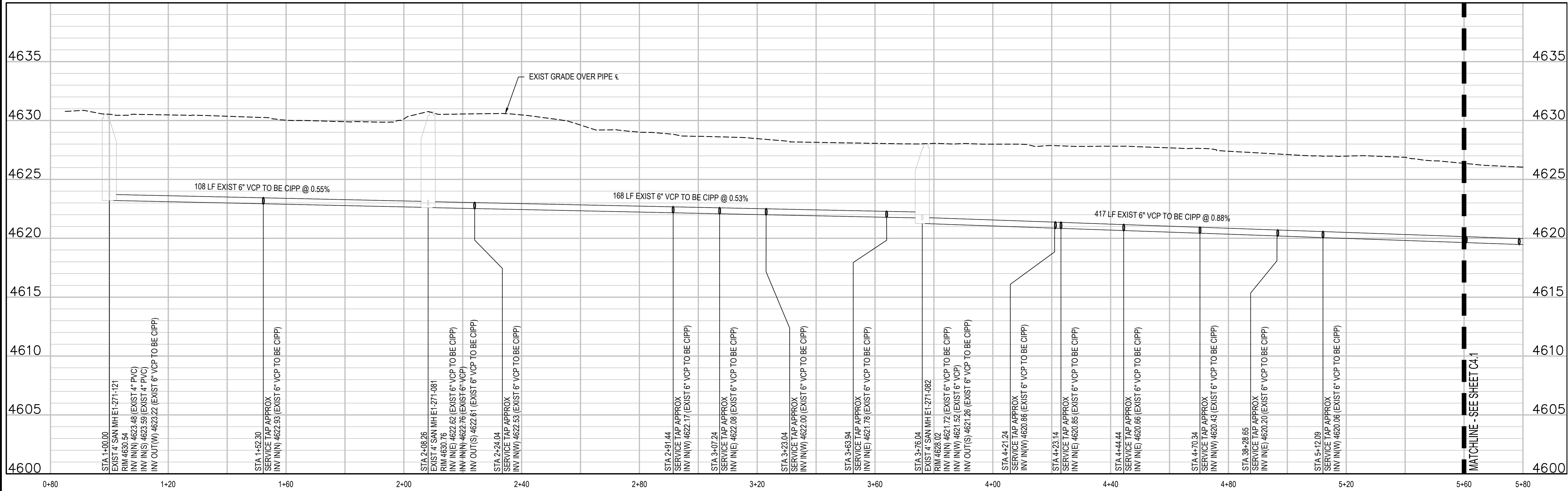
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REVISION	DESCRIPTION	DATE	DRAWN BY	DATE	SCALES:
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REVISION			AMR	4/25/2025	VERTICAL 1"=5'
REVISION					



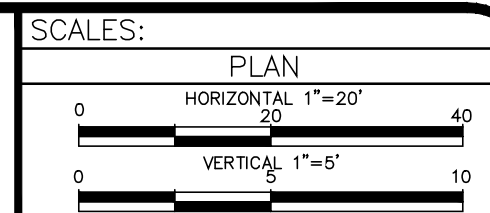
2025 CIPP
SANITARY SEWER REPLACEMENT
PARSE 9 – SANITARY PLAN & PROFILE

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2	CHECKED BY <u>ZCF/AMF</u>	4/25/2025
3	APPROVED BY <u>AMR</u>	4/25/2025

DRAWN BY	<u>SAF/SNG</u>	DATE	<u>4/25/2025</u>
DESIGNED BY	<u>ZCF/AMF</u>	DATE	<u>4/25/2025</u>
CHECKED BY	<u>AMR</u>	DATE	<u>4/25/2025</u>
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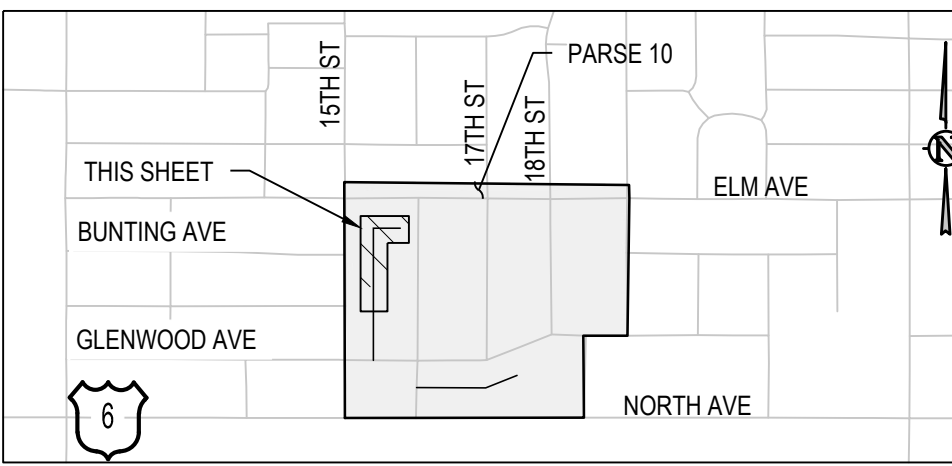


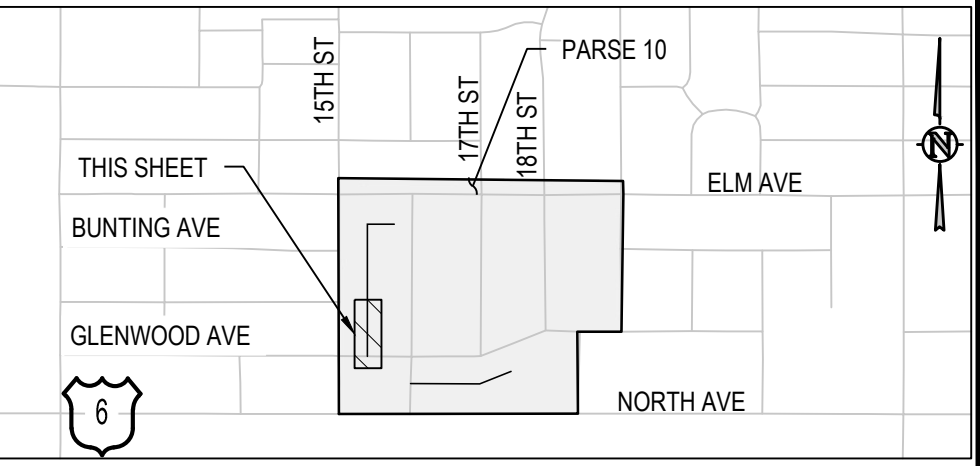
2025 CIPP
SANITARY SEWER REPLACEMENT
PARSE 10 - SANITARY PLAN & PROFILE

C4.0

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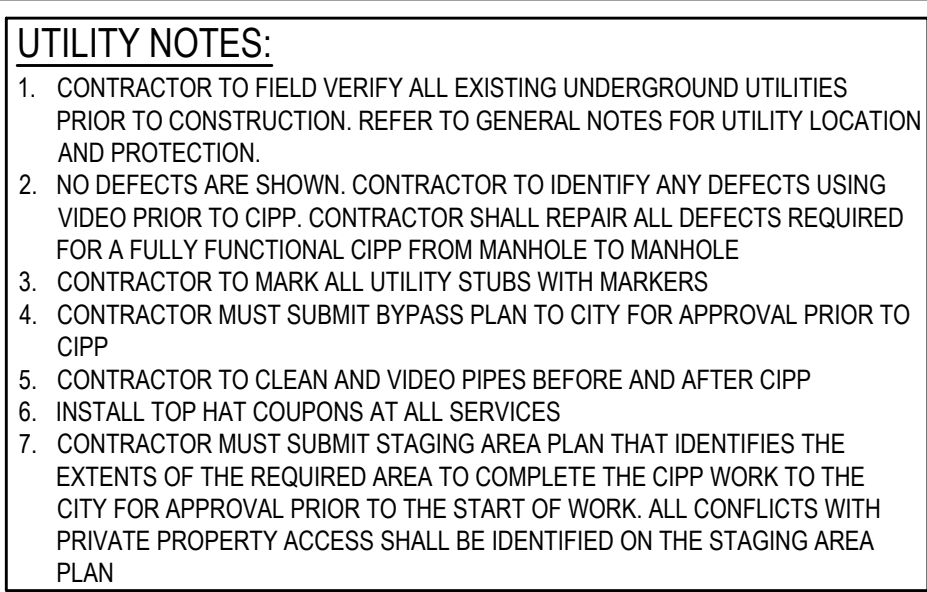




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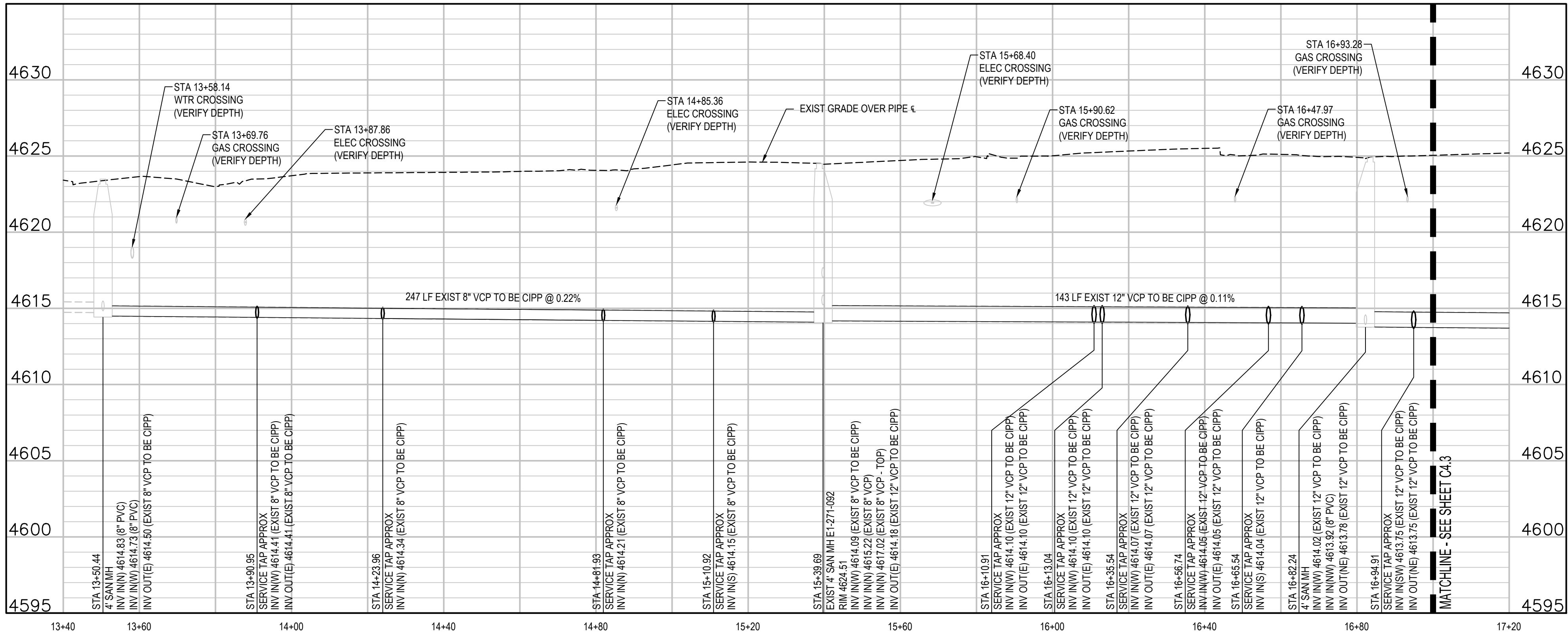


SCALES:
 PLAN
 HORIZONTAL 1"=20'
 0 20 40
 VERTICAL 1"=5'
 0 5 10



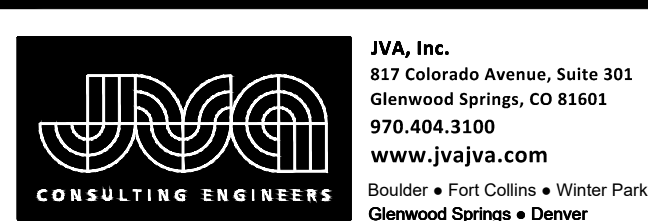
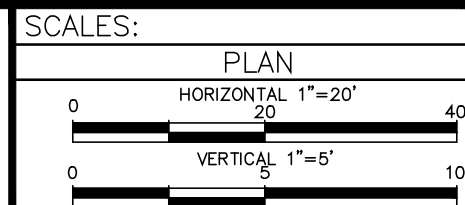
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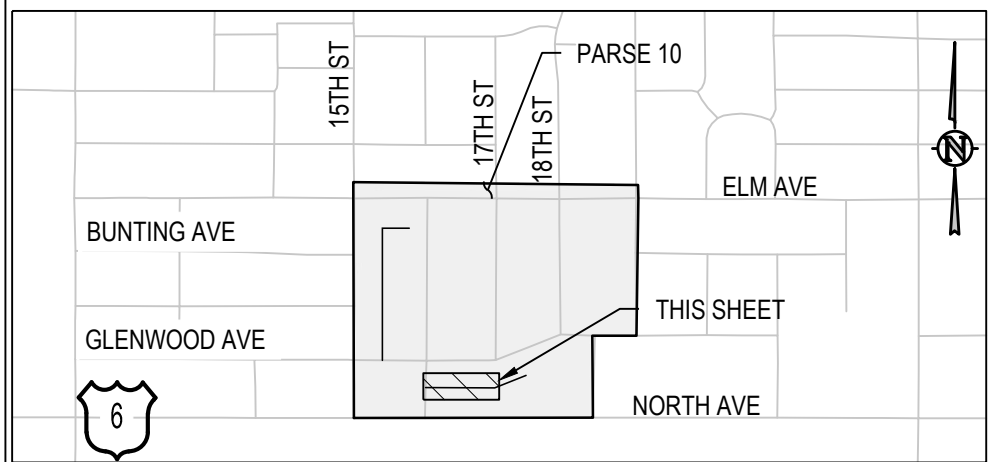


REVISION	DESCRIPTION	DATE
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2	DESIGNED BY ZCF/AMF	4/25/2025
3	CHECKED BY AMR	4/25/2025
4	APPROVED BY	

DRAWN BY SAA/SNG DATE 4/25/2025
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APPROVED BY DATE



2025 CIPP
SANITARY SEWER REPLACEMENT
PARSE 10 - SANITARY PLAN & PROFILE

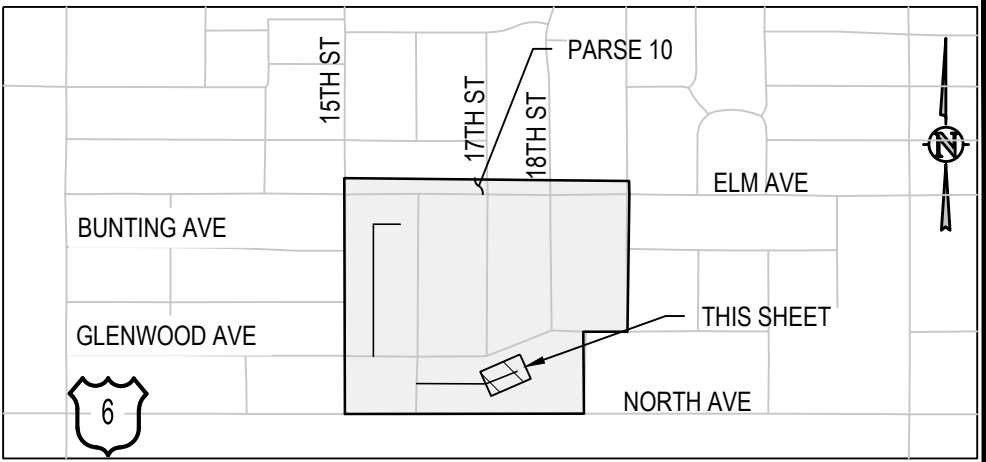
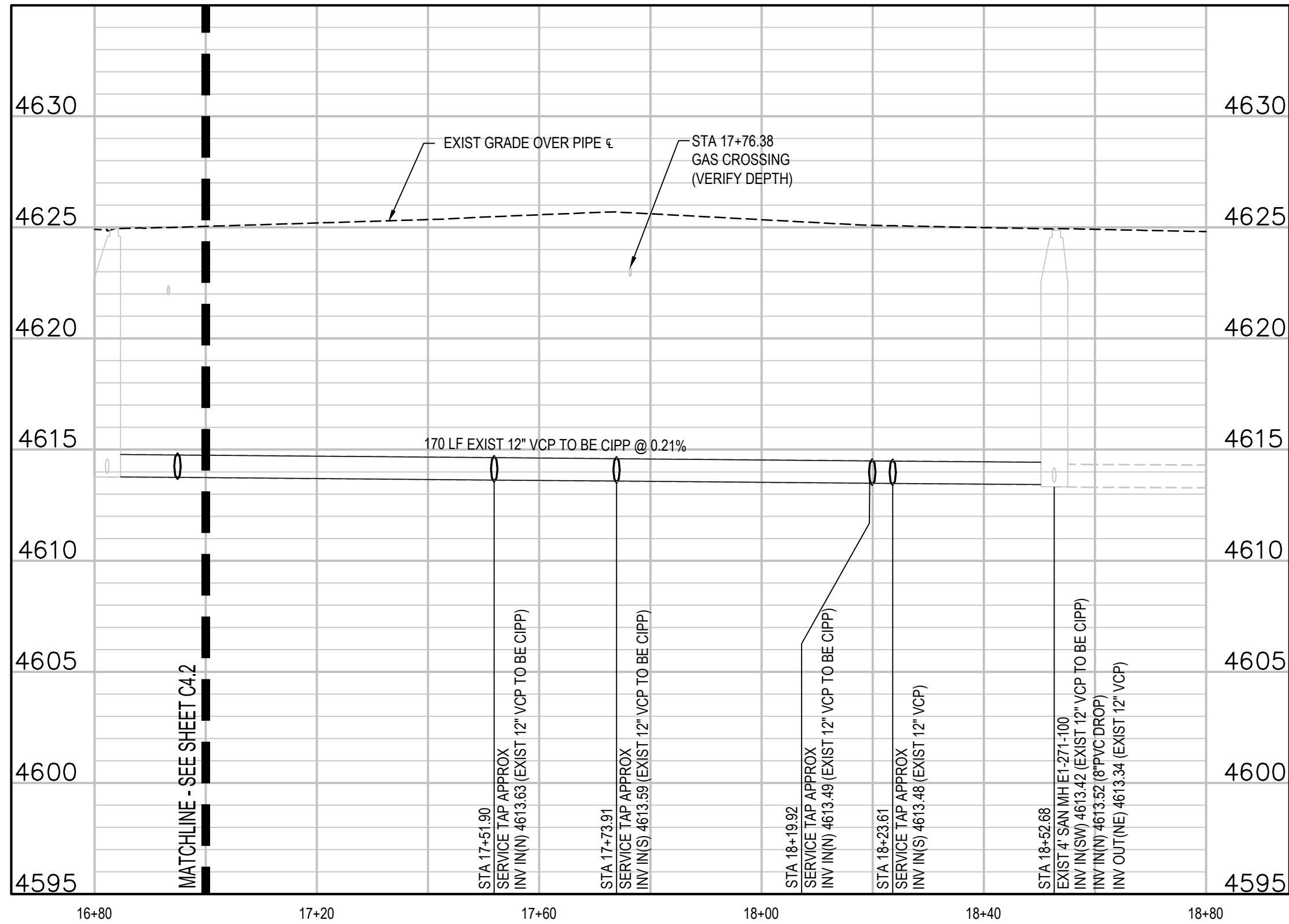
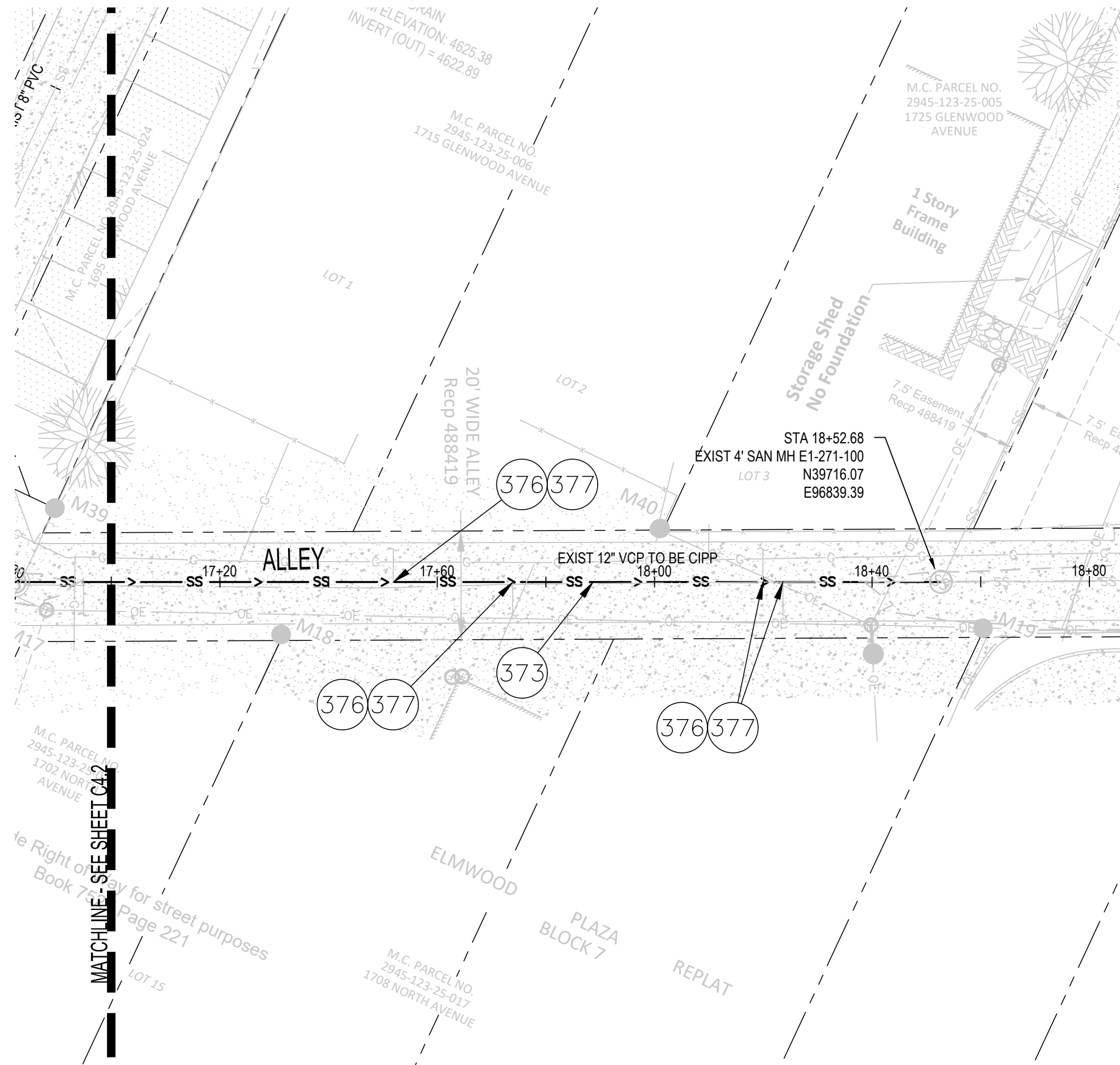


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KEY MAP
NTS

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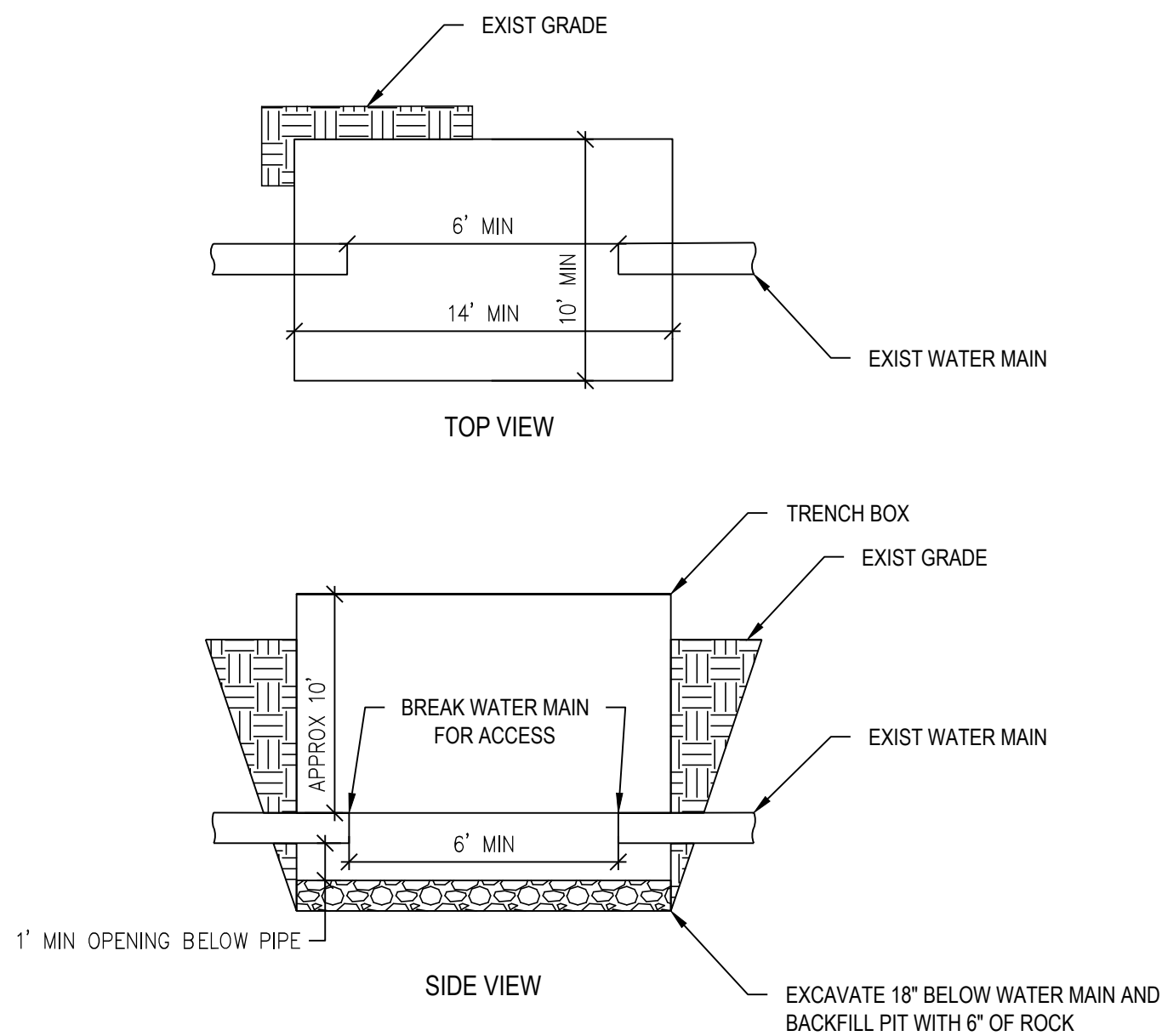
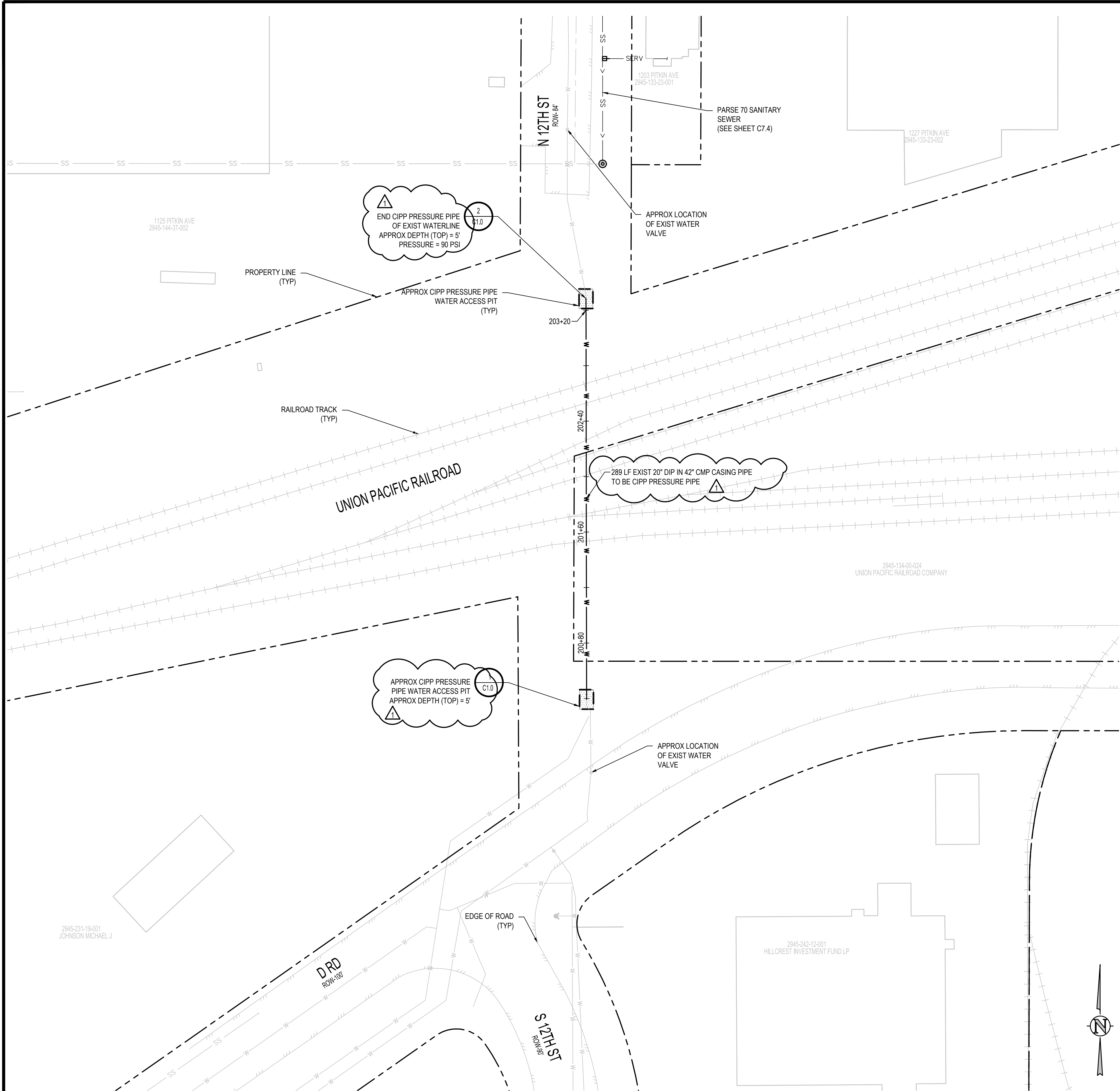
REVISION	DESCRIPTION	DATE
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2	CHECKED BY AMR	4/25/2025
3	APPROVED BY	

DRAWN BY	SAA/SNG	DATE	4/25/2025
DESIGNED BY	ZCE/AMF	DATE	4/25/2025
CHECKED BY	AMR	DATE	4/25/2025
APPROVED BY		DATE	

SCALES:
PLAN
HORIZONTAL 1"=20'
VERTICAL 1"=5'

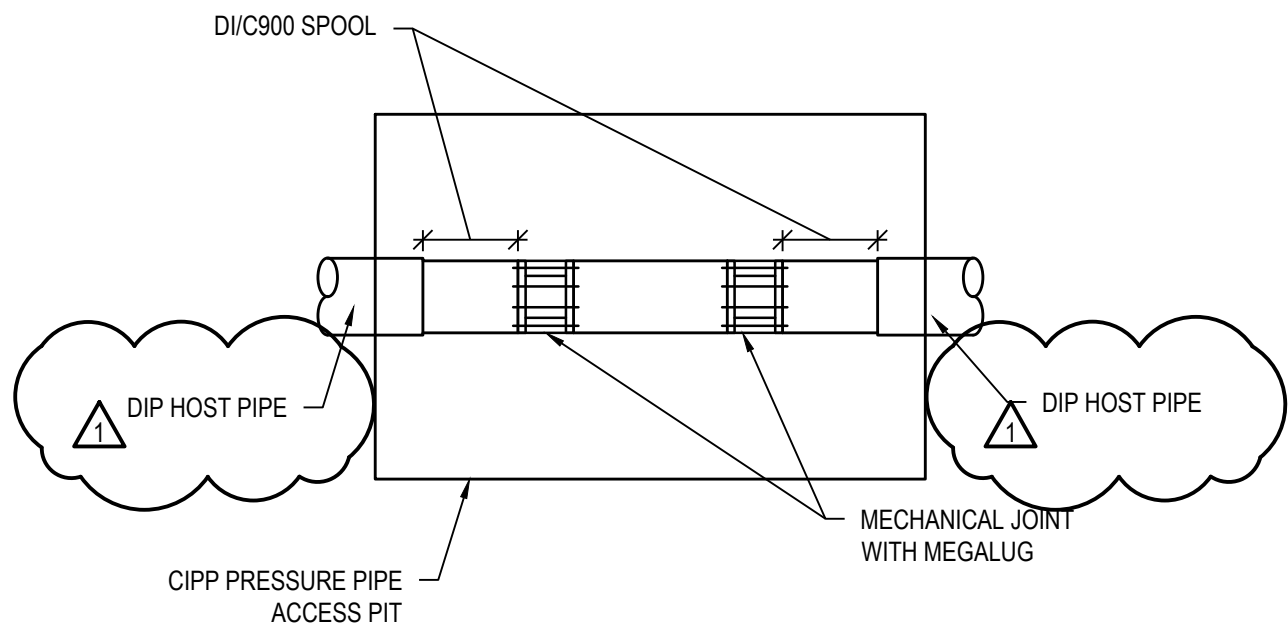


2025 CIPP
SANITARY SEWER REPLACEMENT
PARSE 10 - SANITARY PLAN & PROFILE



NOTE:
1. THIS DETAIL DESCRIBES THE MINIMUM WORKING REQUIREMENTS FOR ACCESSING THE PIT FOR CIPP. CONTRACTOR TO SUBMIT A DETAILED PLAN FOR ACCESS PIT PRIOR TO CONSTRUCTION.

WATER CIPP ACCESS PIT DETAIL
NTS

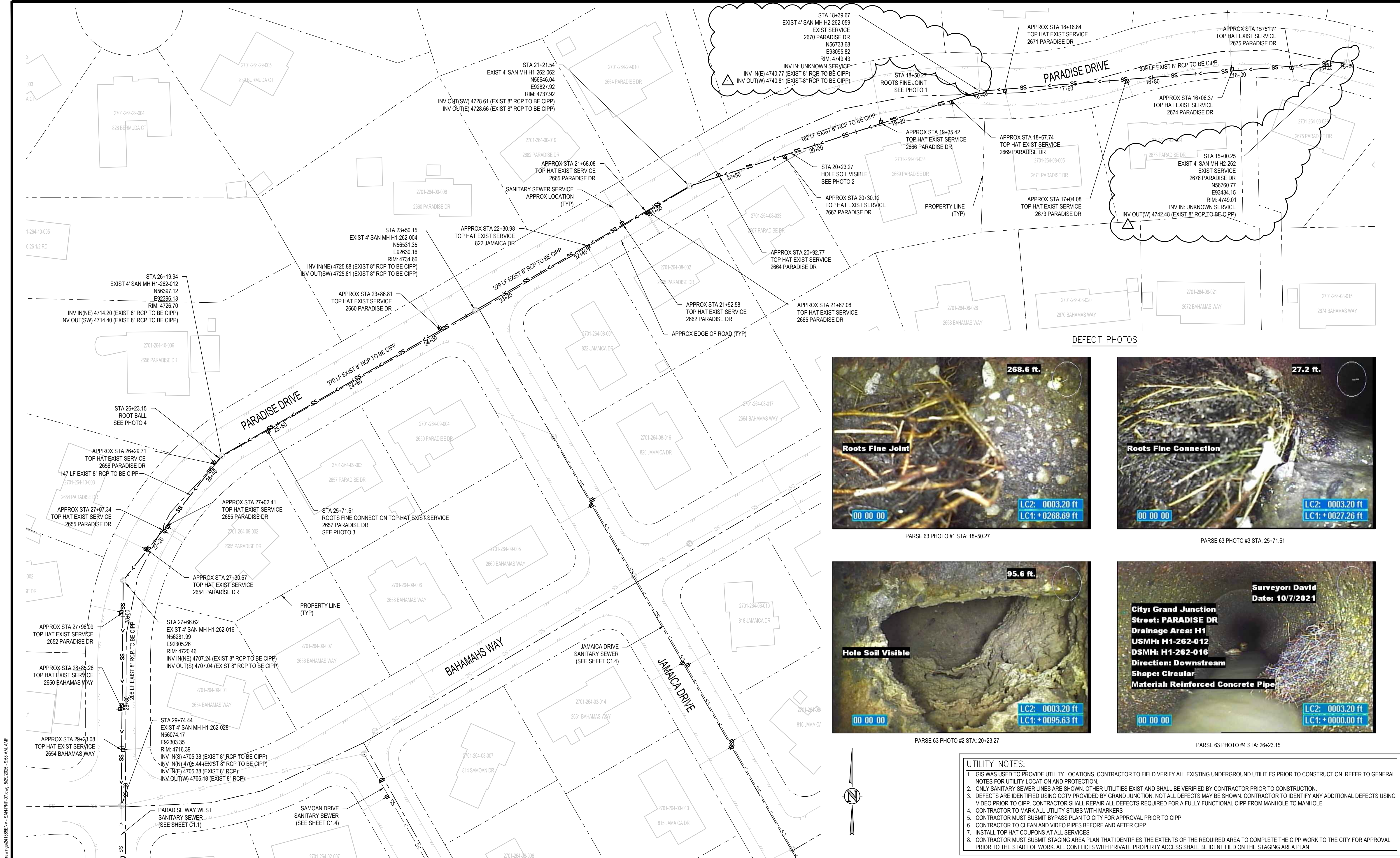


WATER CIPP END TERMINATION DETAIL
NTS

- UTILITY NOTES:**
1. GIS WAS USED TO PROVIDE UTILITY LOCATIONS, CONTRACTOR TO FIELD VERIFY ALL EXISTING UNDERGROUND UTILITIES PRIOR TO CONSTRUCTION. REFER TO GENERAL NOTES FOR UTILITY LOCATION AND PROTECTION.
 2. ONLY WATER LINES IN ROW ARE SHOWN. OTHER UTILITIES EXIST AND SHALL BE VERIFIED BY CONTRACTOR PRIOR TO CONSTRUCTION.
 3. WHEN CIPP PRESSURE PIPE IS COMPLETE PIPE MUST BE PRESSURE TESTED TO 1.5 TIMES THE PRESSURE OF THE LINE OR 150PSI WHICHEVER IS GREATER
 4. CONTRACTOR TO CLEAN AND VIDEO PIPES BEFORE AND VIDEO PIPES AFTER CIPP PRESSURE PIPE

REVISION	DESCRIPTION	DATE	DRAWN BY	DATE	SCALES:
1	DETAIL AND NOTE EDITS	5/22/2025	SAA/SNG	4/25/2025	PLAN
2			ZCF/AMF	4/25/2025	40' 0 40'
3			AMR	4/25/2025	SCALE IN FEET
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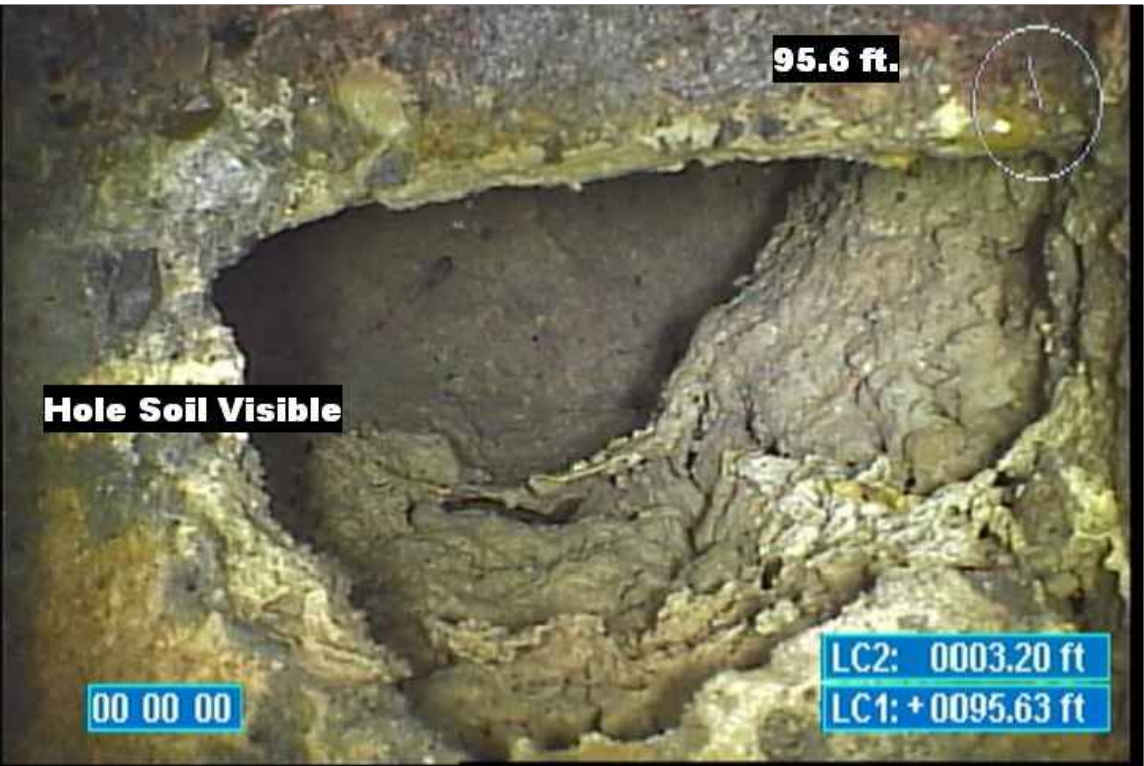
DEFECT PHOTOS



PARSE 63 PHOTO #1 STA: 18+50.27



PARSE 63 PHOTO #3 STA: 25+71.61



PARSE 63 PHOTO #2 STA: 20+23.27



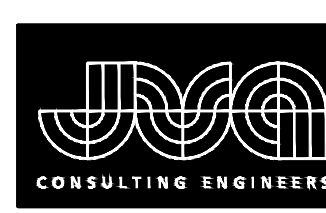
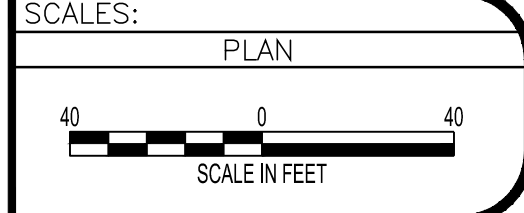
PARSE 63 PHOTO #4 STA: 26+23.15

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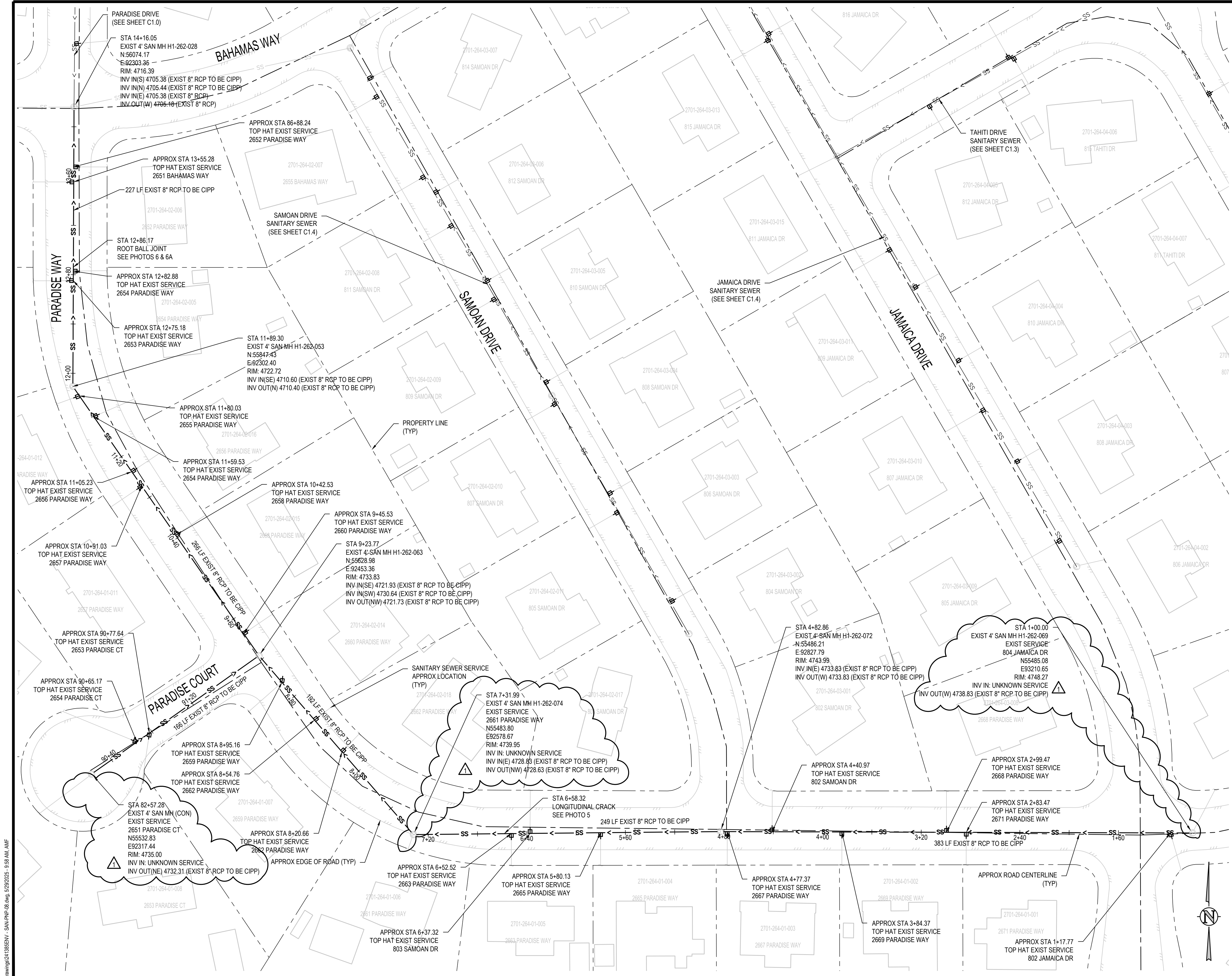
REVISION	DESCRIPTION	DATE
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2		
3		
4		

DRAWN BY	SAA/SNG	DATE	4/25/2025
DESIGNED BY	ZCE/AMF	DATE	4/25/2025
CHECKED BY	AMR	DATE	4/25/2025
APPROVED BY		DATE	



JVA, Inc.
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2025 CIPP
SANITARY SEWER REPLACEMENT
PARSE 63 — SANITARY PLAN & PHOTOS



DEFECT PHOTOS



PARSE 63 PHOTO #5 STA: 6+58.32



PARSE 63 PHOTO #6 STA: 12+86.15



PARSE 63 PHOTO #6A STA: 12+86.15

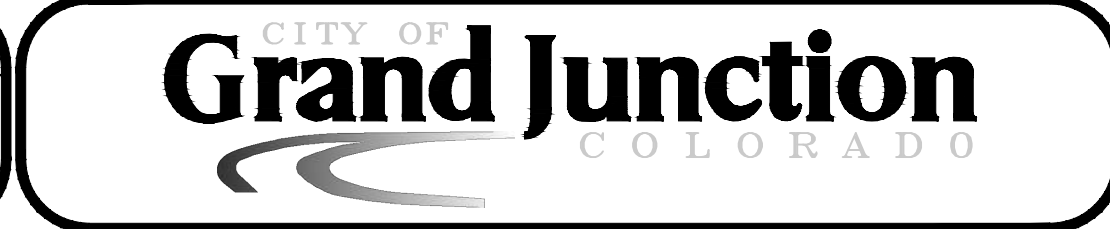
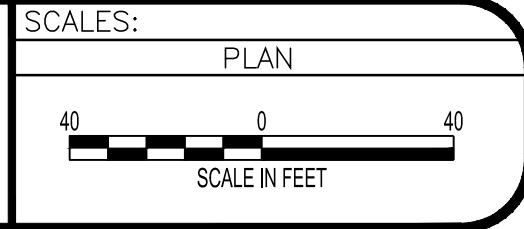
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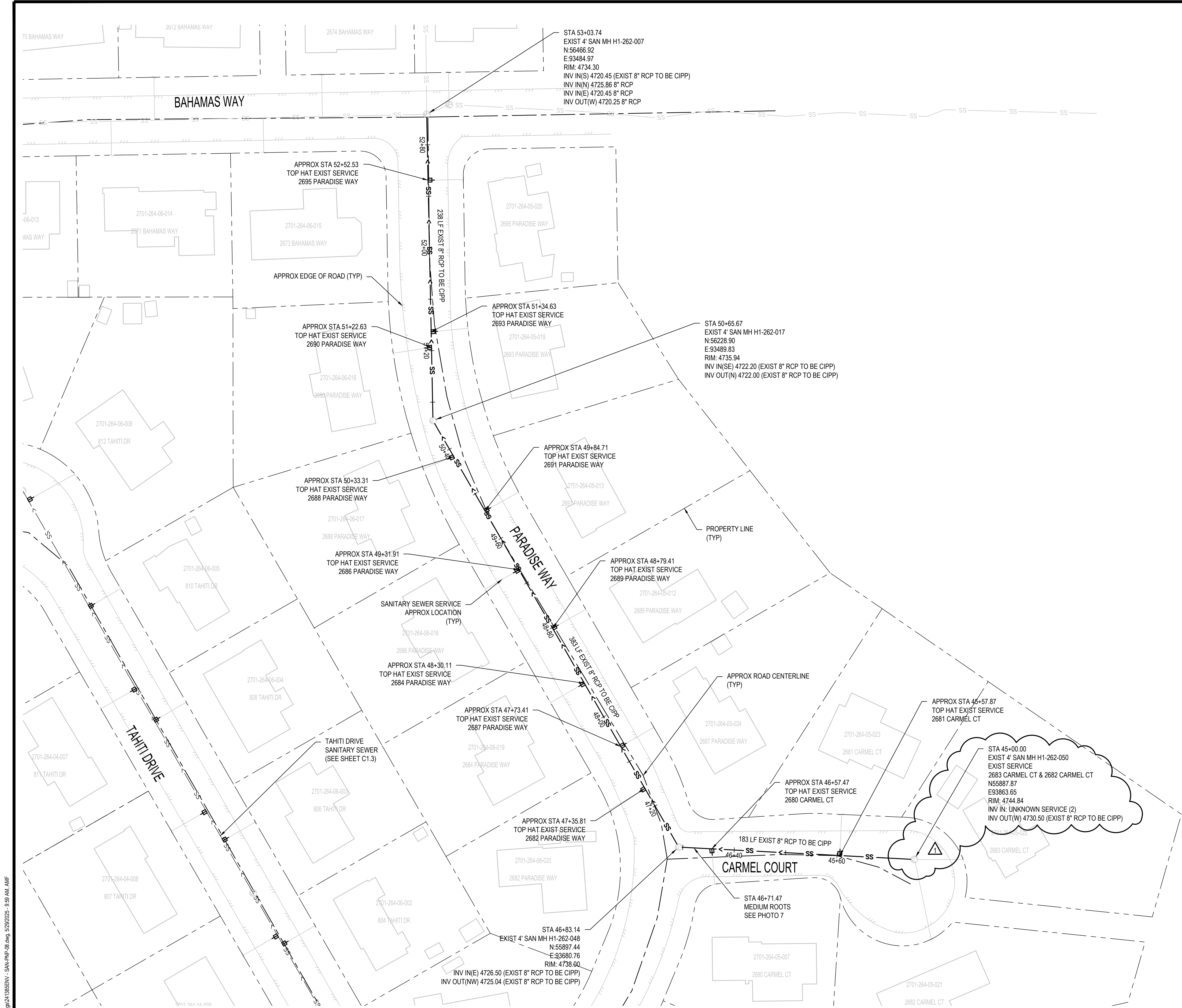
REVISION	DESCRIPTION	DATE
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REVISION 2		
REVISION 3		
REVISION 4		

DRAWN BY	SAA/SNG	DATE	4/25/2025
DESIGNED BY	ZCE/AMF	DATE	4/25/2025
CHECKED BY	AMR	DATE	4/25/2025
APPROVED BY		DATE	



2025 CIPP
SANITARY SEWER REPLACEMENT
PARSE 63 – SANITARY PLAN & PHOTOS

C6.1



DEFECT PHOTOS



PARSE 63 PHOTO #7 STA: 46+71.47

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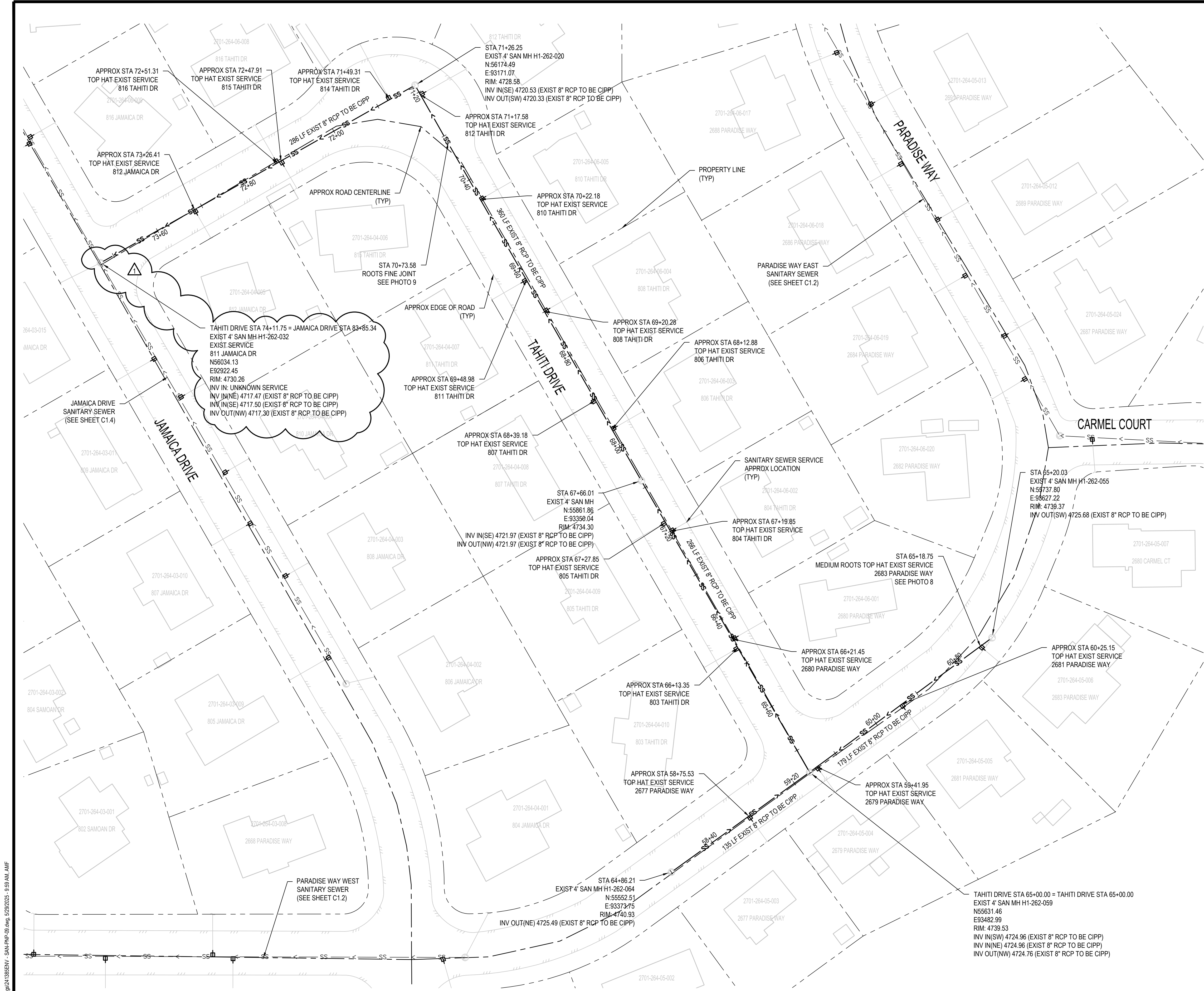
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REVISION	DESCRIPTION	DATE	DRAWN BY	DATE	SCALES:
1	REMOVAL OF TOP HATS	5/22/2025	SAA/SNG	4/25/2025	PLAN
2			ZCF/AMF	4/25/2025	40' 0' 40'
3			AMR	4/25/2025	SCALE IN FEET
4					

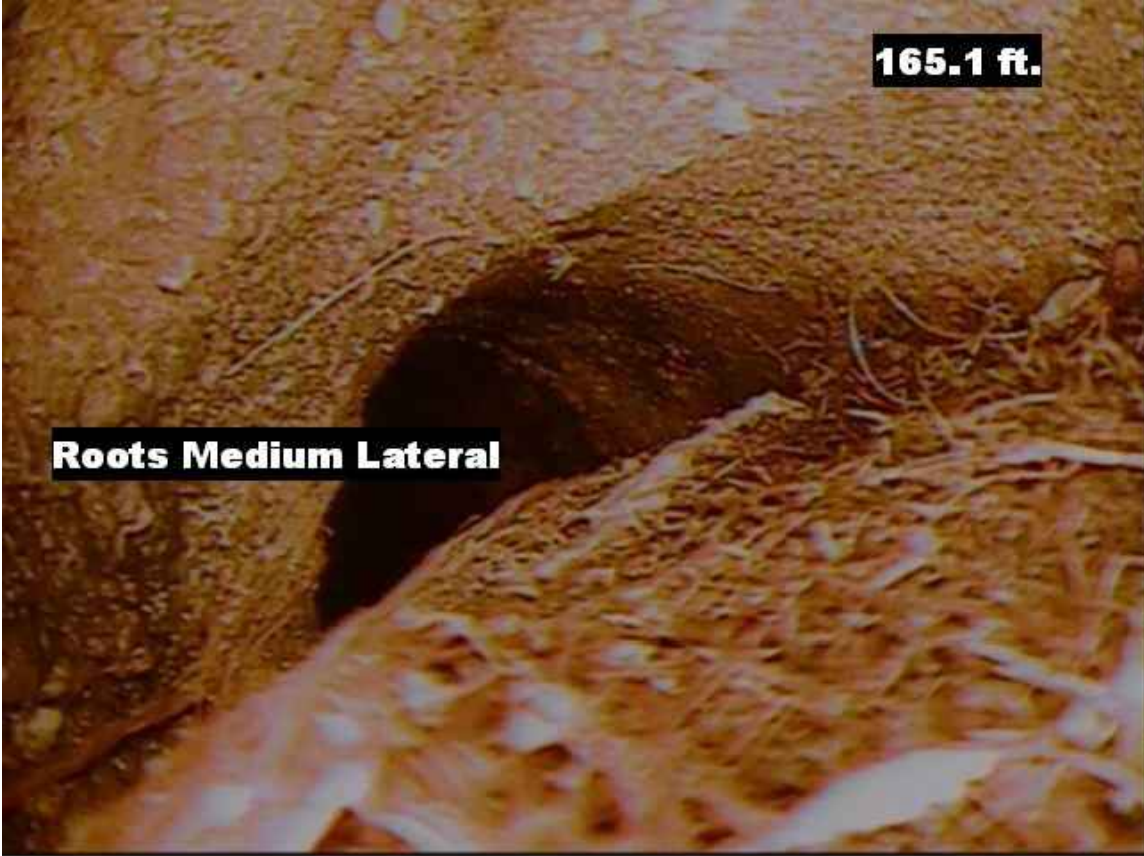


2025 CIPP
SANITARY SEWER REPLACEMENT
PARSE 63 — SANITARY PLAN & PHOTOS

N:\241385-ENV - 2025 CIPP\Drawings\241385-ENV - SAN\PIPE-09.dwg, 5/29/2025 - 9:59 AM, AMF



DEFECT PHOTOS



PARSE 63 PHOTO #8 STA: 61+02.55



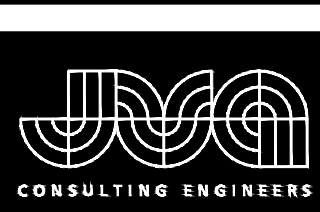
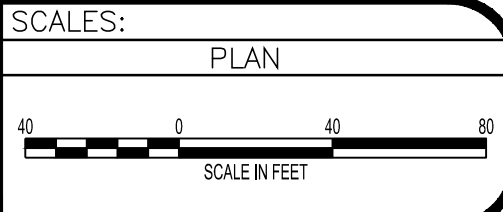
PARSE 63 PHOTO #9 STA: 70+73.58

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REVISION	DESCRIPTION	DATE
REVISION 1	REMOVAL OF TOP HATS	5/22/2025
REVISION 2		
REVISION 3		
REVISION 4		

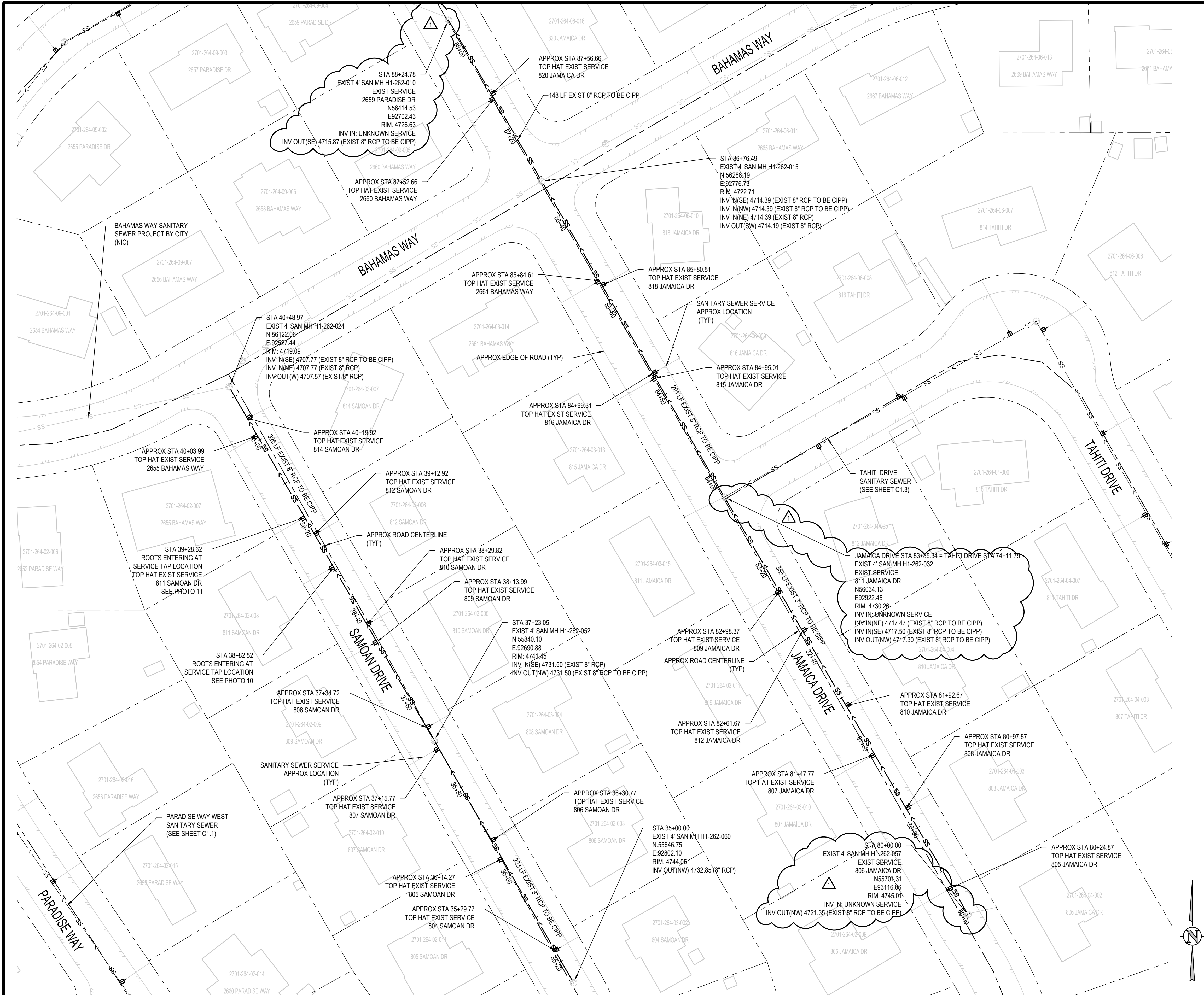
DRAWN BY	SAA/SNG	DATE	4/25/2025
DESIGNED BY	ZCE/AMF	DATE	4/25/2025
CHECKED BY	AMR	DATE	4/25/2025
APPROVED BY		DATE	



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Glenwood Springs, CO 81601
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2025 CIPP
SANITARY SEWER REPLACEMENT
PARSE 63 – SANITARY PLAN & PHOTOS

N:\21356.DWG - 2025 CIPP Drawings\21356.DWG - SAN PLAN - 10.dwg 3/28/2025 - 9:59 AM AMF



DEFECT PHOTOS



PARSE 63 PHOTO #10 STA: 38+82.52



PARSE 63 PHOTO #11 STA: 39+28.62

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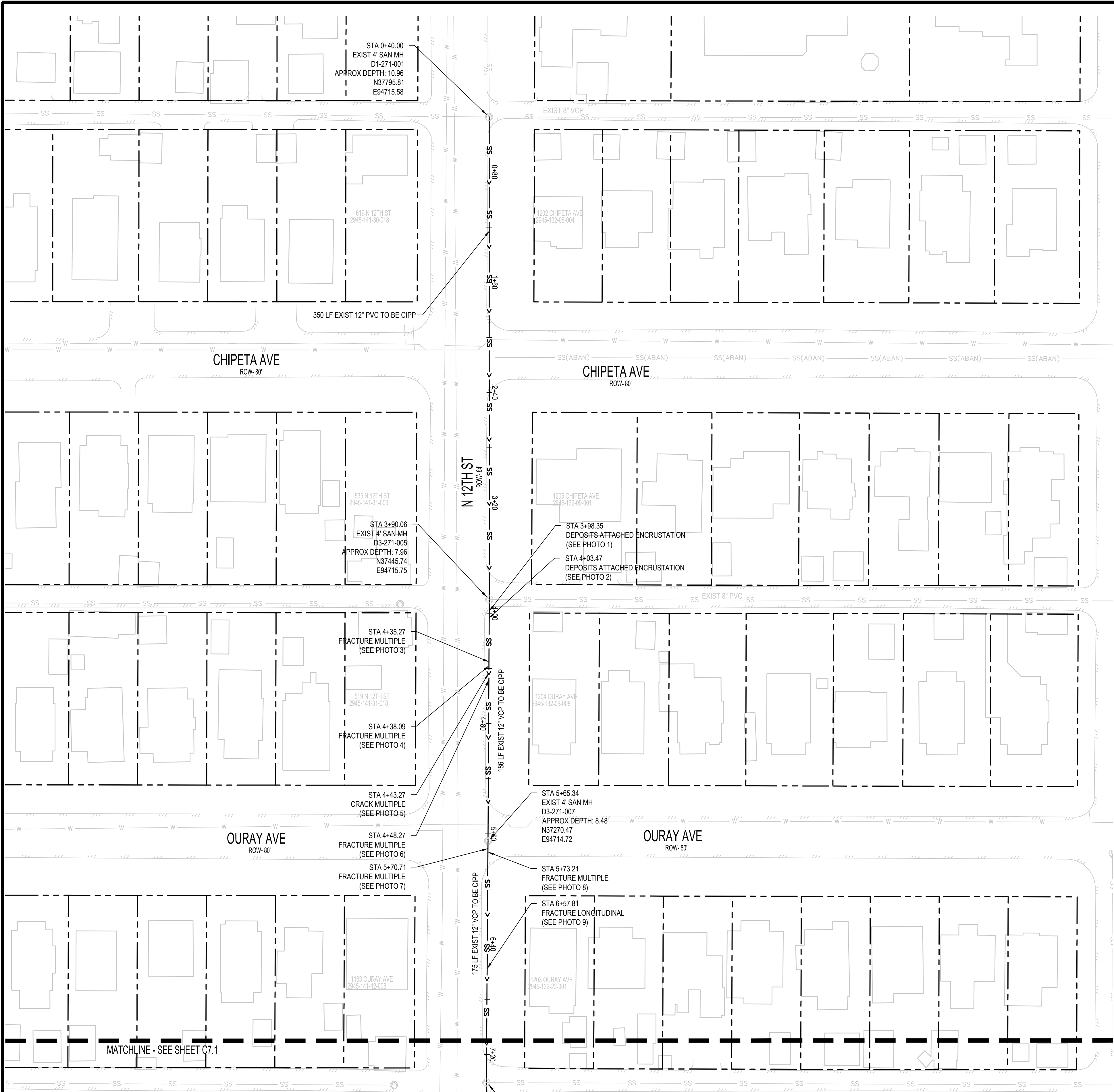
REVISION	DESCRIPTION	DATE
REVISION 1	REMOVAL OF TOP HATS	5/22/2025
REVISION 2		
REVISION 3		
REVISION 4		

DRAWN BY	SAA/SNG	DATE	4/25/2025
DESIGNED BY	ZCF/AMF	DATE	4/25/2025
CHECKED BY	AMR	DATE	4/25/2025
APPROVED BY		DATE	

SCALES:	PLAN
40	0
SCALE IN FEET	



2025 CIPP
SANITARY SEWER REPLACEMENT
PARSE 63 – SANITARY PLAN & PHOTOS



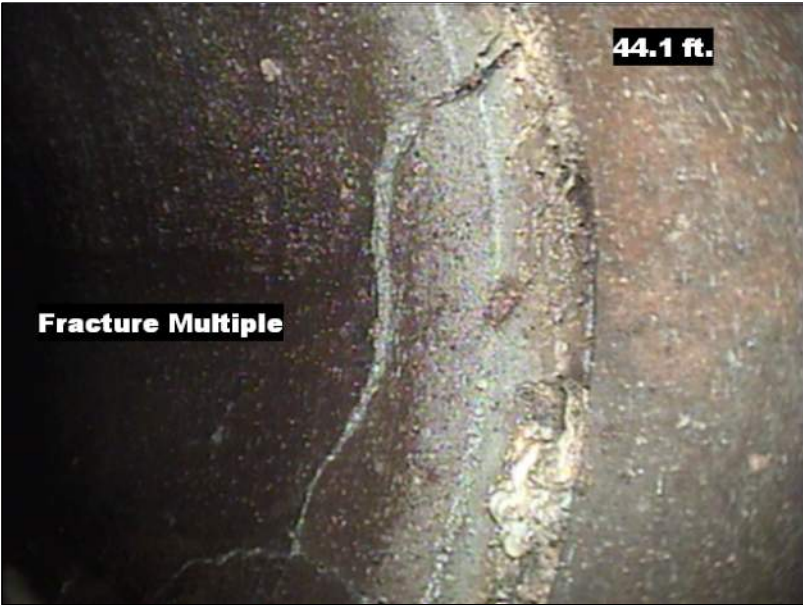
DEFECT PHOTOS



PARSE 70 PHOTO #1 STA: 3+98.36



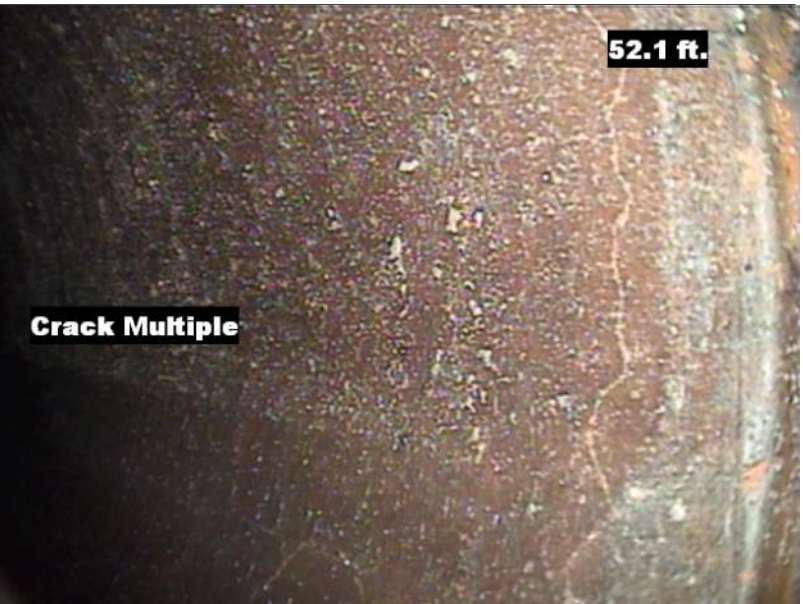
PARSE 70 PHOTO #2 STA: 4+03.47



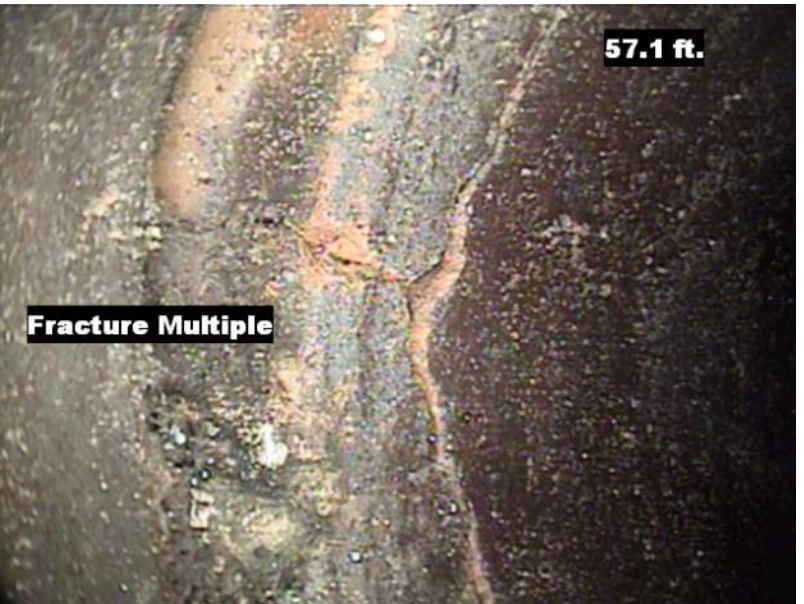
PARSE 70 PHOTO #3 STA: 4+35.27



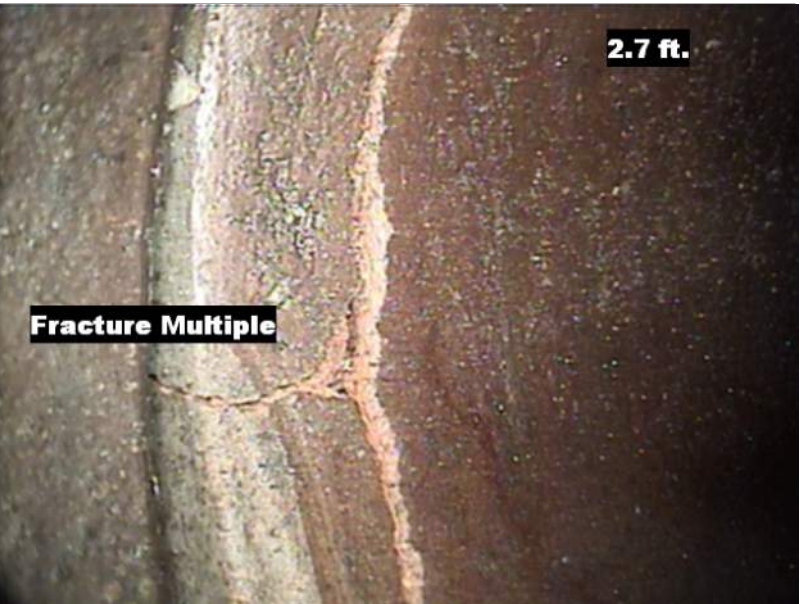
PARSE 70 PHOTO #4 STA: 4+38.09



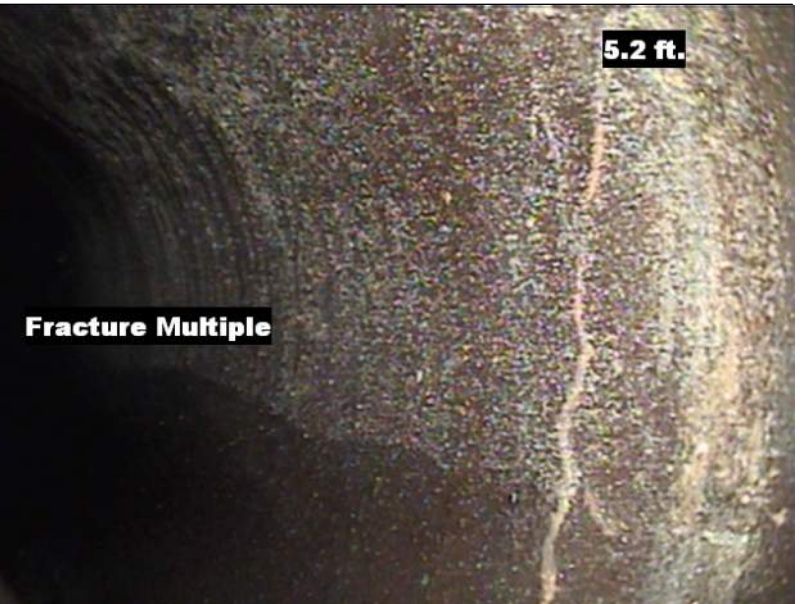
PARSE 70 PHOTO #5 STA: 4+43.27



PARSE 70 PHOTO #6 STA: 4+48.27



PARSE 70 PHOTO #7 STA: 5+70.71



PARSE 70 PHOTO #8 STA: 5+73.21



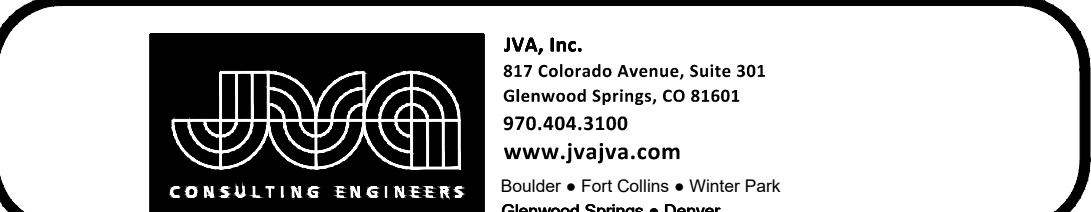
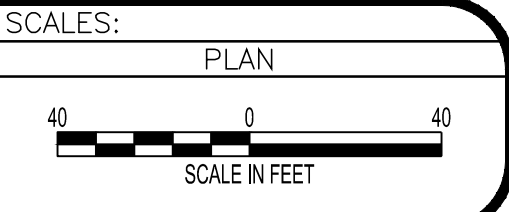
PARSE 70 PHOTO #9 STA: 6+57.81

UTILITY NOTES:

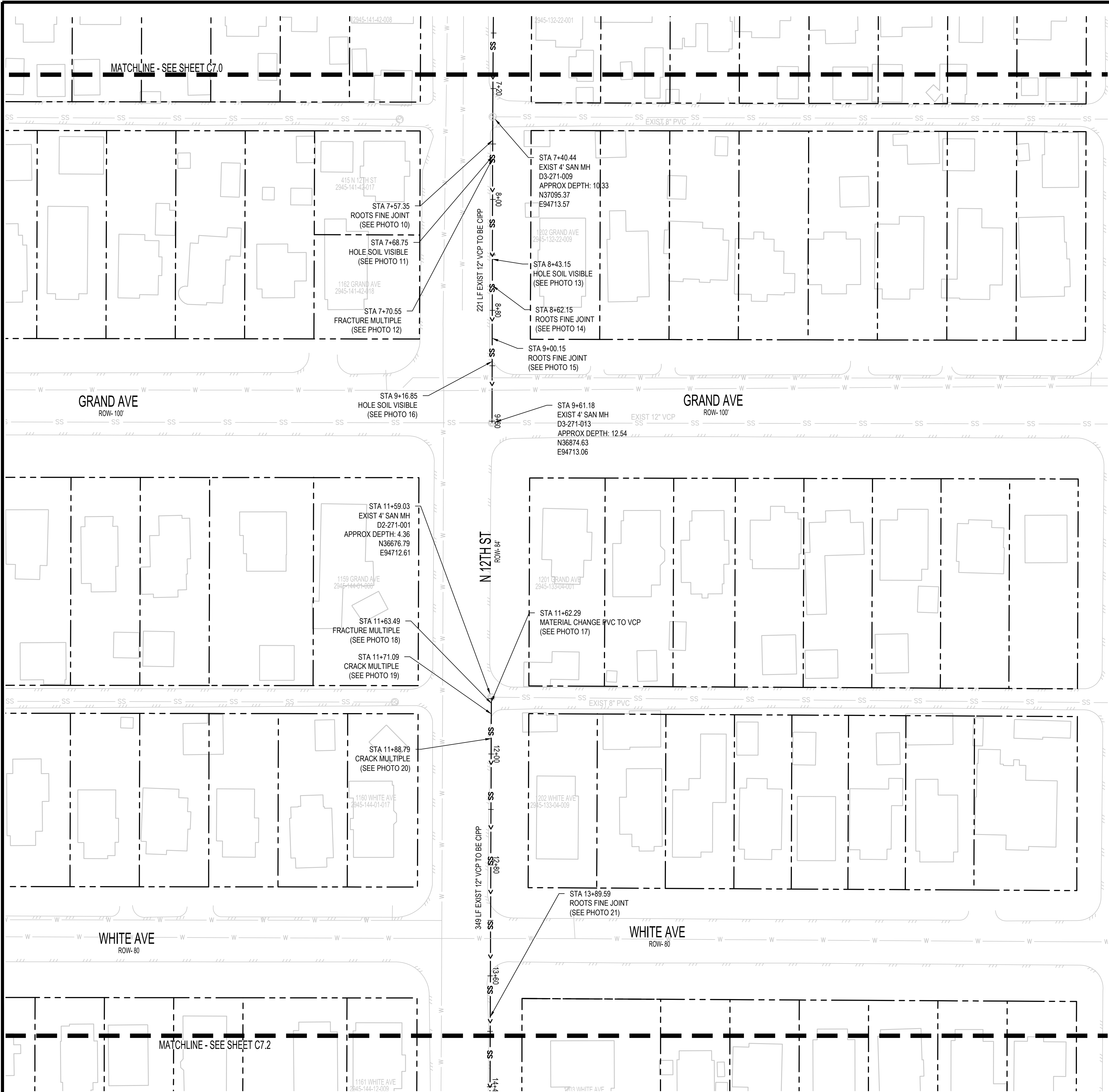
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REVISION	DESCRIPTION	DATE
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DRAWN BY	SAA/SNG	DATE	4/25/2025
DESIGNED BY	ZCF/AMF	DATE	4/25/2025
CHECKED BY	AMR	DATE	4/25/2025
APPROVED BY		DATE	



2025 CIPP
SANITARY SEWER REPLACEMENT
PARSE 70 – SANITARY PLAN & PHOTOS



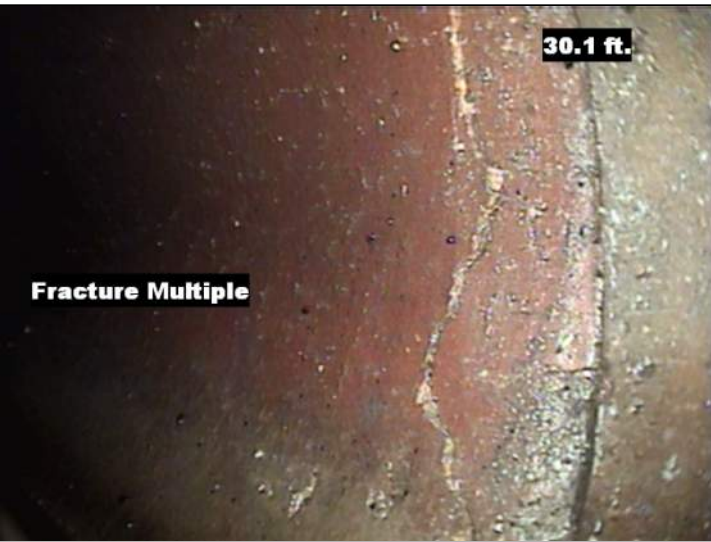
DEFECT PHOTOS



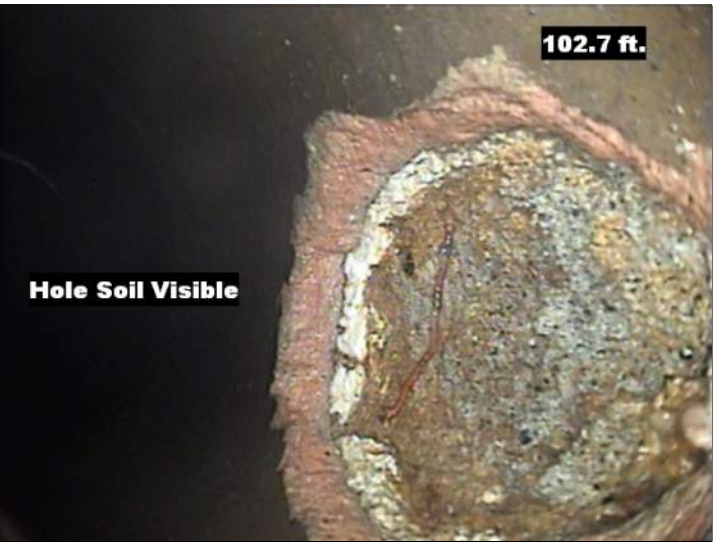
PARCE 70 PHOTO #10 STA: 7+57.35



PARCE 70 PHOTO #11 STA: 7+68.75



PARCE 70 PHOTO #12 STA: 7+70.55



PARCE 70 PHOTO #13 STA: 8+43.15



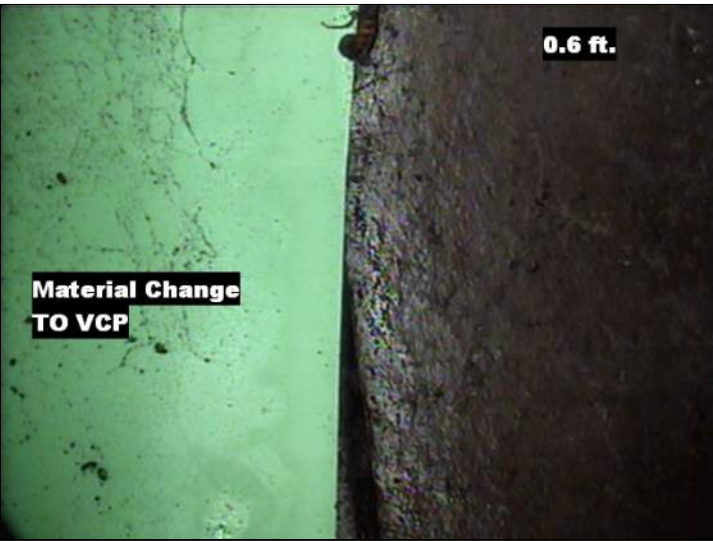
PARCE 70 PHOTO #14 STA: 8+62.15



PARCE 70 PHOTO #15 STA: 9+00.15



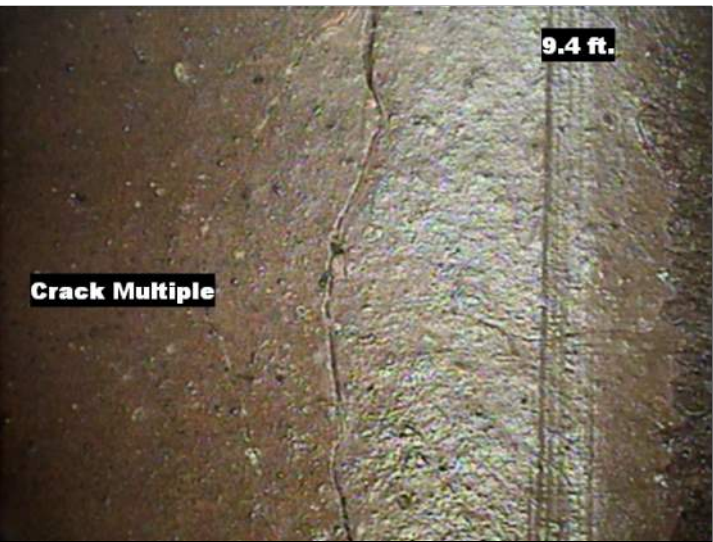
PARCE 70 PHOTO #16 STA: 9+16.85



PARCE 70 PHOTO #17 STA: 11+62.29



PARCE 70 PHOTO #18 STA: 11+63.49



PARCE 70 PHOTO #19 STA: 11+71.09



PARCE 70 PHOTO #20 STA: 11+88.79



PARCE 70 PHOTO #21 STA: 13+89.59

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1	ISSUED FOR PERMIT	4/25/2025
2	DESIGNED BY ZCF/AMF	4/25/2025
3	CHECKED BY AMR	4/25/2025
4	APPROVED BY	DATE

SCALES:

PLAN

40 0 40

SCALE IN FEET

CITY OF
Grand Junction
COLORADO

JVA, Inc.
817 Colorado Avenue, Suite 301
Glenwood Springs, CO 81601
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**2025 CIPP
SANITARY SEWER REPLACEMENT
PARSE 70 – SANITARY PLAN & PHOTOS**



DEFECT PHOTOS



PARSE 70 PHOTO #22 STA: 14+70.39



PARSE 70 PHOTO #23 STA: 14+89.78



PARSE 70 PHOTO #24 STA: 15+25.09



PARSE 70 PHOTO #25 STA: 18+50.79

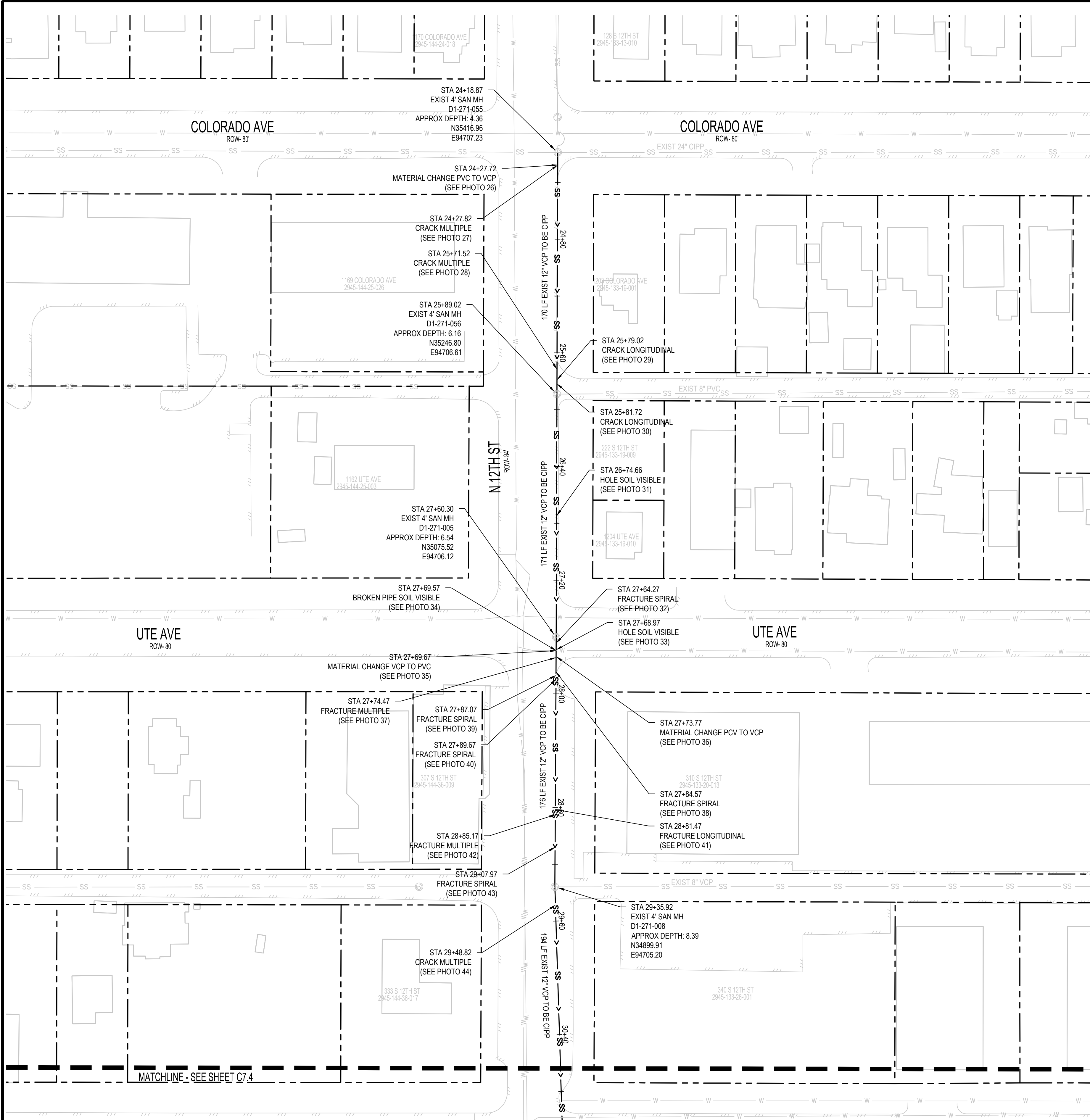
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4					



2025 CIPP
SANITARY SEWER REPLACEMENT
PARSE 70 – SANITARY PLAN & PHOTOS



DEFECT PHOTOS



PARCE 70 PHOTO #26 STA: 24+27.72



PARCE 70 PHOTO #27 STA: 24+27.82



PARCE 70 PHOTO #28 STA: 25+71.52



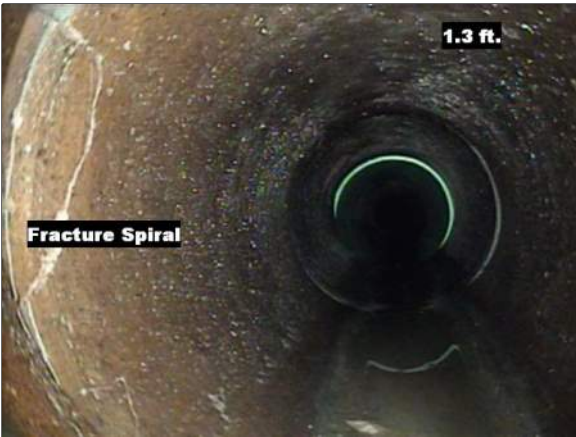
PARCE 70 PHOTO #29 STA: 25+79.02



PARCE 70 PHOTO #30 STA: 25+81.72



PARCE 70 PHOTO #31 STA: 26+74.66



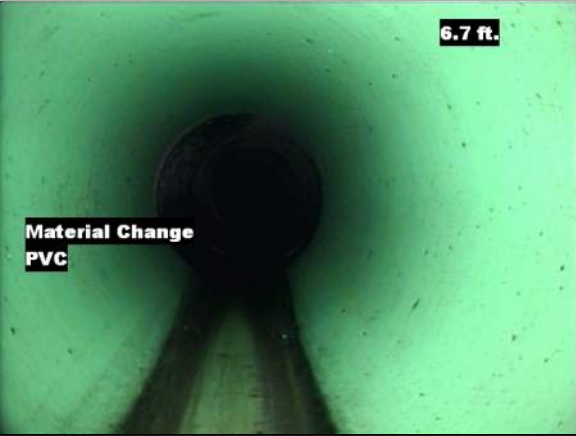
PARCE 70 PHOTO #32 STA: 27+64.27



PARCE 70 PHOTO #33 STA: 27+68.97



PARCE 70 PHOTO #34 STA: 27+69.57



PARCE 70 PHOTO #35 STA: 27+69.67



PARCE 70 PHOTO #36 STA: 27+73.77



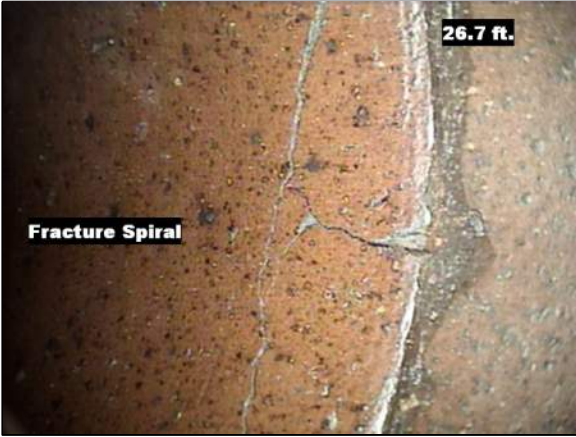
PARCE 70 PHOTO #37 STA: 27+74.47



PARCE 70 PHOTO #38 STA: 27+84.57



PARCE 70 PHOTO #39 STA: 27+87.07



PARCE 70 PHOTO #40 STA: 27+89.67



PARCE 70 PHOTO #41 STA: 28+81.47



PARCE 70 PHOTO #42 STA: 28+85.17



PARCE 70 PHOTO #43 STA: 29+07.97



PARCE 70 PHOTO #44 STA: 29+48.82

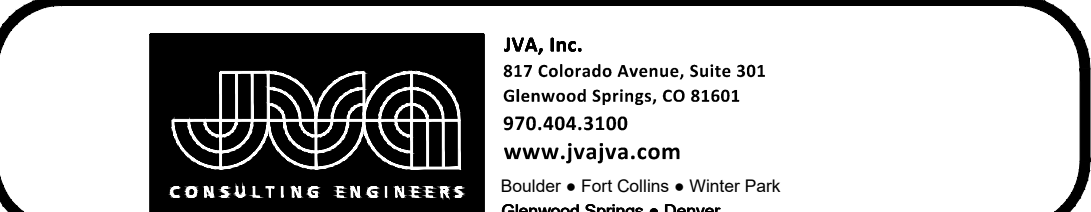
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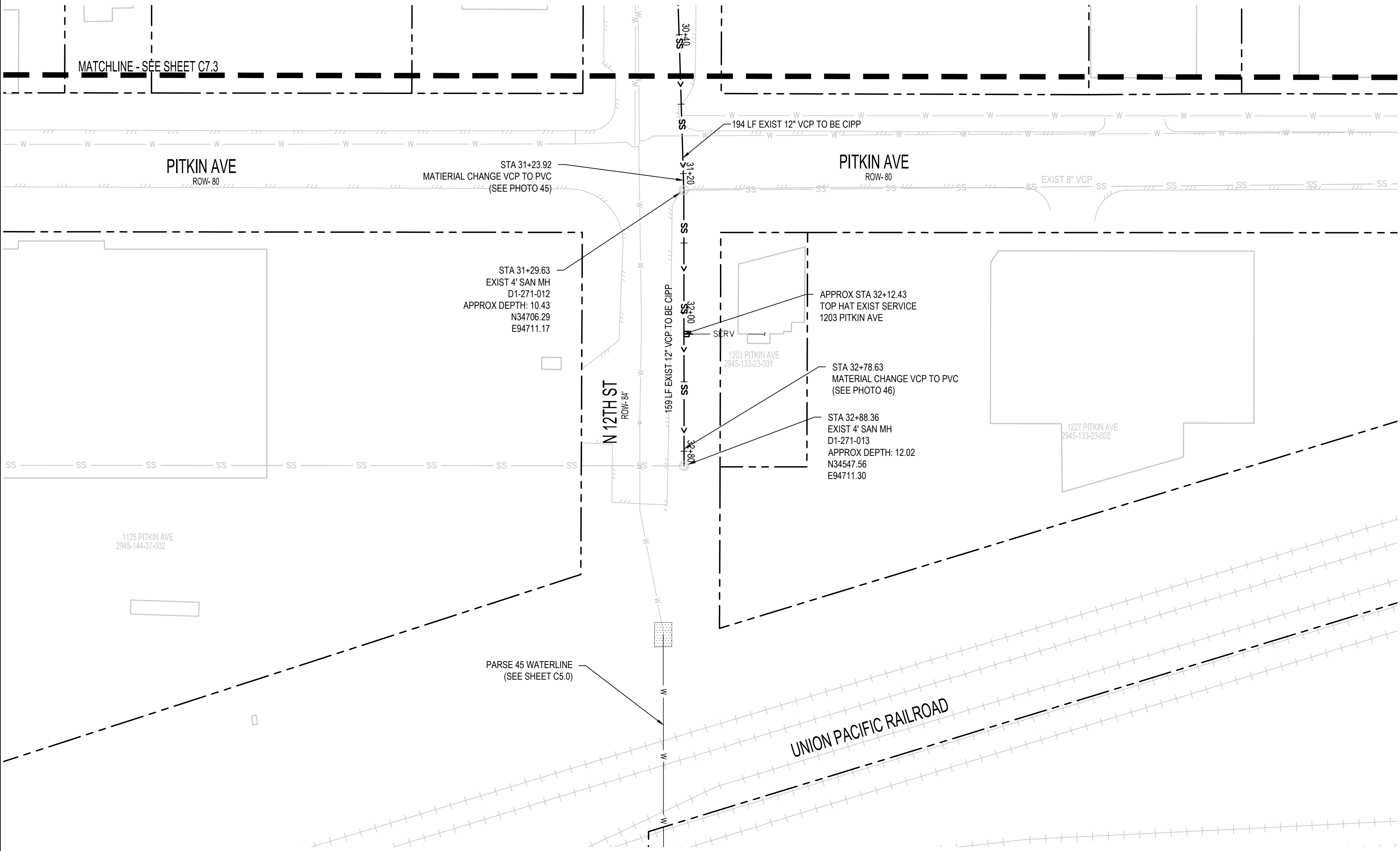
REVISION	DESCRIPTION	DATE
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DRAWN BY	SAA/SNG	DATE	4/25/2025
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APPROVED BY		DATE	

SCALES:	PLAN
40	0
SCALE IN FEET	



2025 CIPP
SANITARY SEWER REPLACEMENT
PARSE 70 – SANITARY PLAN & PHOTOS



PARCE 70 PHOTO #45 STA: 31+23.92



PARCE 70 PHOTO #46 STA: 32+78.63

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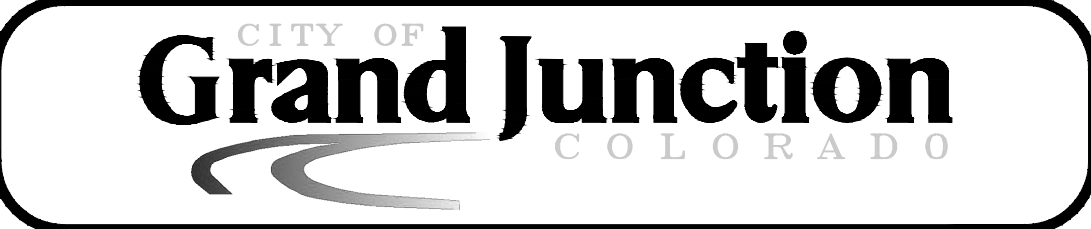
REVISION	DESCRIPTION	DATE	DRAWN BY	DATE	DESIGNED BY	DATE	CHECKED BY	DATE	APPROVED BY	DATE
1			SAA/SNG	4/25/2025	ZCF/AMF	4/25/2025	AMR	4/25/2025		
2										
3										
4										

SCALES:

PLAN

40 0 40

SCALE IN FEET



2025 CIPP
SANITARY SEWER REPLACEMENT
PARSE 70 – SANITARY PLAN & PHOTOS

DEFECT PHOTOS



PARCE 78 PHOTO #1 STA: 45+27.15



PARCE 78 PHOTO #2 STA: 44+49.55



PARCE 78 PHOTO #3 STA: 44+39.55



PARCE 78 PHOTO #4 STA: 42+70.65



PARCE 78 PHOTO #5 STA: 42+50.35



PARCE 78 PHOTO #6 STA: 42+44.65



PARCE 78 PHOTO #7 STA: 42+35.91



PARCE 78 PHOTO #8 STA: 41+89.91



PARCE 78 PHOTO #9 STA: 41+65.11



PARCE 78 PHOTO #10 STA: 41+64.61



PARCE 78 PHOTO #11 STA: 41+53.11



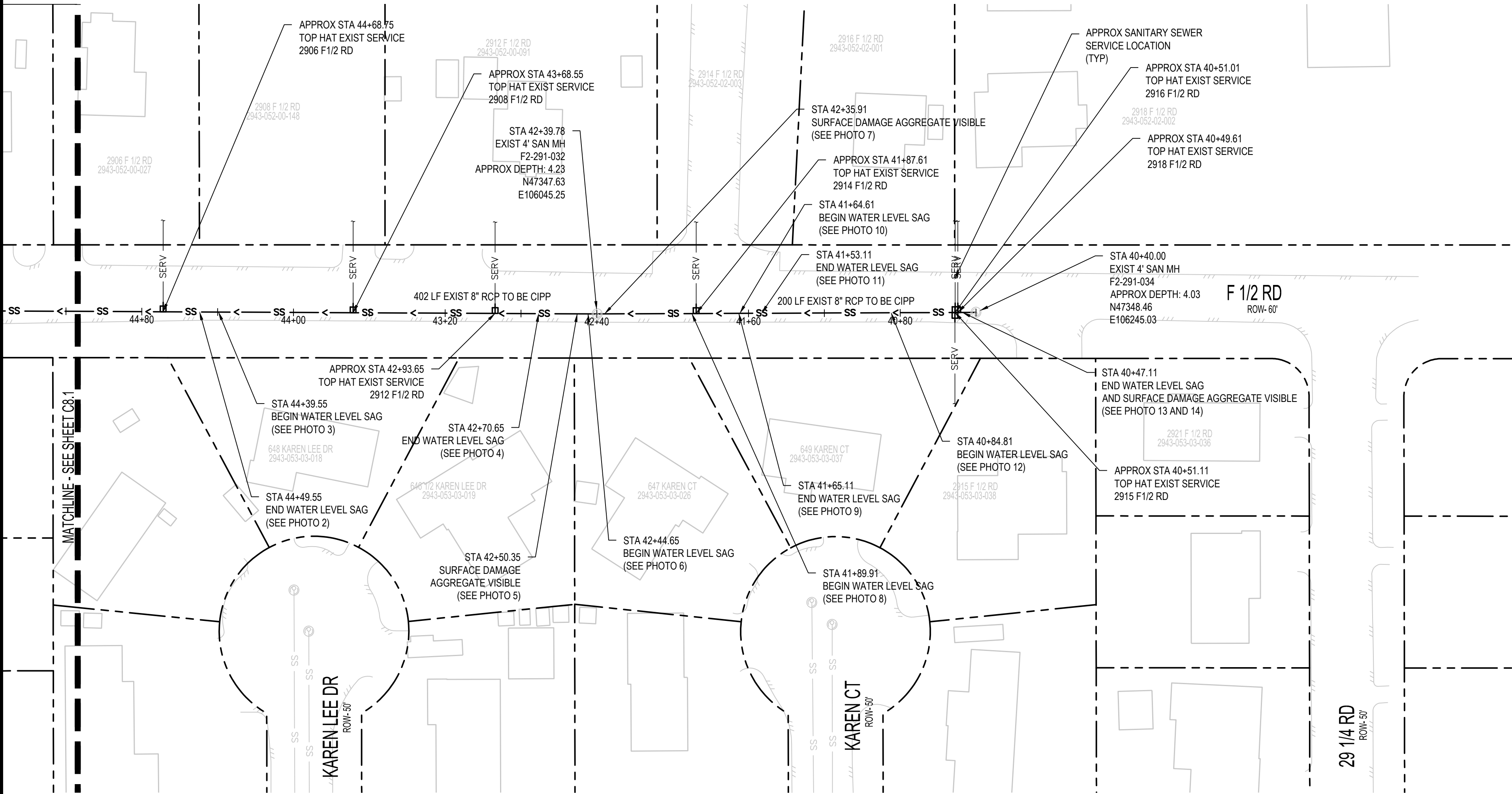
PARCE 78 PHOTO #12 STA: 40+84.81



PARCE 78 PHOTO #13 STA: 40+47.11



PARCE 78 PHOTO #14 STA: 40+47.11

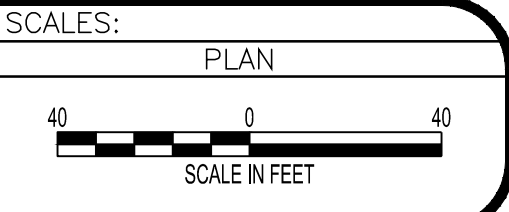


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CHECKED BY	AMR	DATE	4/25/2025
APPROVED BY		DATE	

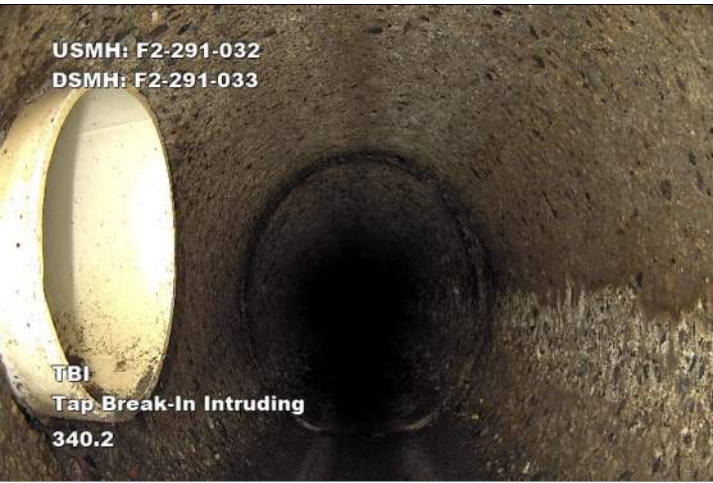


2025 CIPP
SANITARY SEWER REPLACEMENT
PARSE 78 – SANITARY PLAN & PHOTOS

DEFECT PHOTOS



PARCE 78 PHOTO #15 STA: 45+27.15



PARCE 78 PHOTO #16 STA: 45+82.65



PARCE 78 PHOTO #17 STA: 46+16.95



PARCE 78 PHOTO #18 STA: 46+36.55



PARCE 78 PHOTO #19 STA: 46+36.95



PARCE 78 PHOTO #20 STA: 50+48.27



PARCE 78 PHOTO #21 STA: 50+95.27



PARCE 78 PHOTO #22 STA: 51+14.07



PARCE 78 PHOTO #23 STA: 51+25.87



PARCE 78 PHOTO #24 STA: 51+69.77



PARCE 78 PHOTO #25 STA: 51+64.87



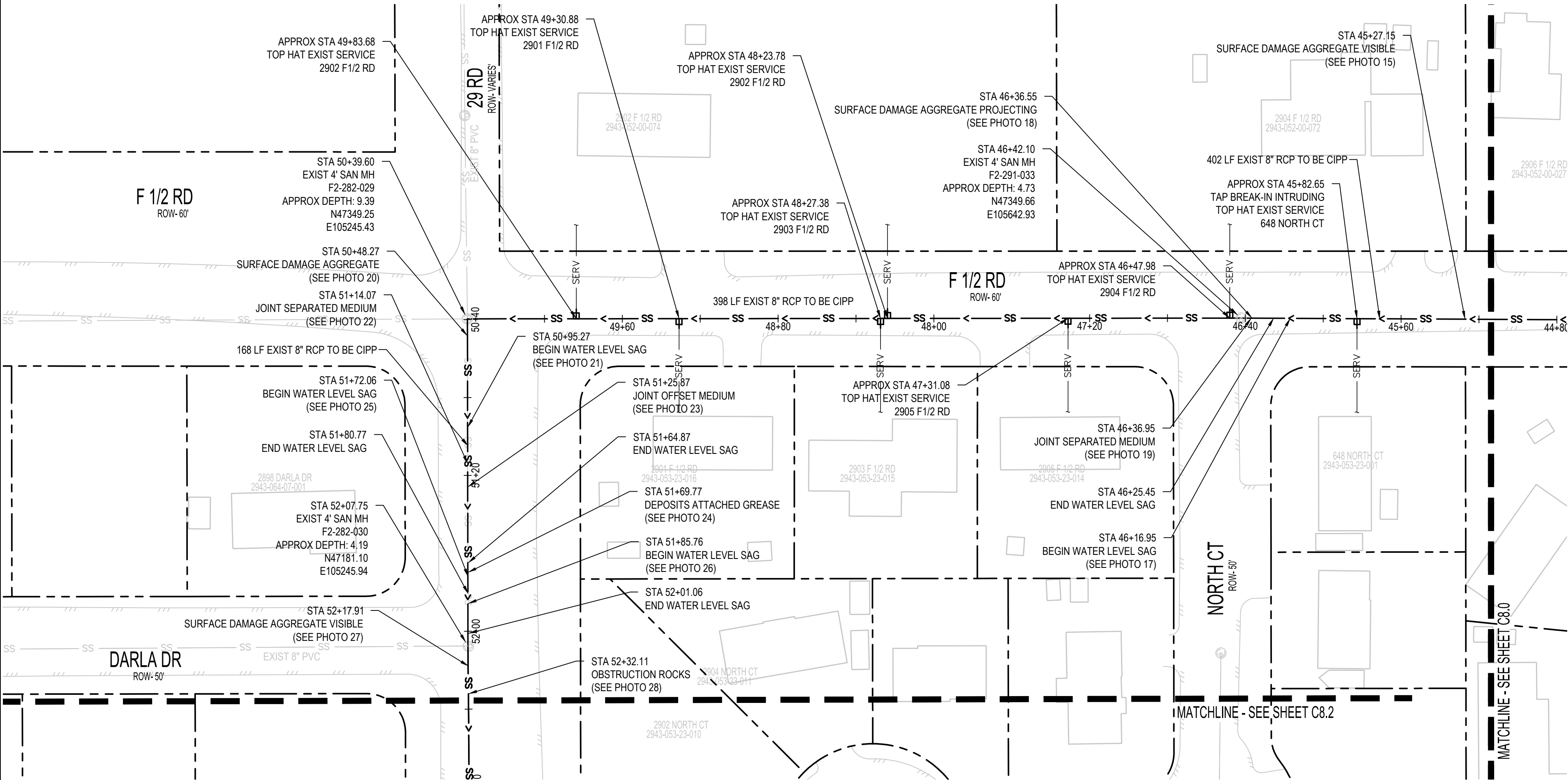
PARCE 78 PHOTO #26 STA: 51+85.76



PARCE 78 PHOTO #27 STA: 52+17.91

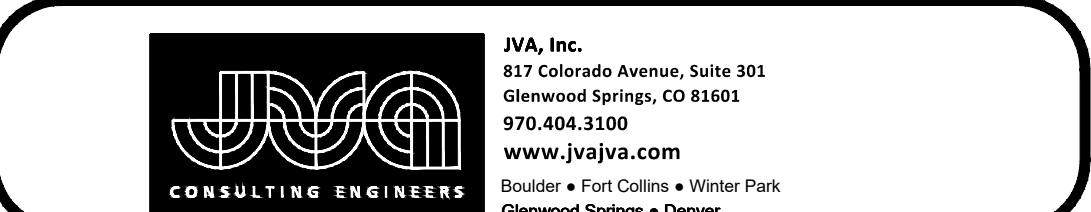
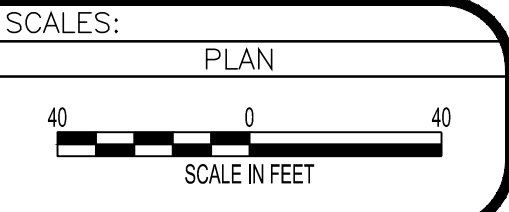


PARCE 78 PHOTO #28 STA: 52+32.11



REVISION	DESCRIPTION	DATE
1	ISSUED FOR PERMIT	4/25/2025
2	REVISED TO ADD PARCE 78 PHOTOS	4/25/2025
3	REVISED TO ADD PARCE 78 PHOTOS	4/25/2025
4	REVISED TO ADD PARCE 78 PHOTOS	4/25/2025

DRAWN BY	SAA/SNG	DATE	4/25/2025
DESIGNED BY	ZCF/AMF	DATE	4/25/2025
CHECKED BY	AMR	DATE	4/25/2025
APPROVED BY		DATE	



2025 CIPP
SANITARY SEWER REPLACEMENT
PARSE 78 – SANITARY PLAN & PHOTOS

UTILITY NOTES:

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4. CONTRACTOR TO MARK ALL UTILITY STUBS WITH MARKERS.
5. CONTRACTOR MUST SUBMIT BYPASS PLAN TO CITY FOR APPROVAL PRIOR TO CIPP.
6. CONTRACTOR TO CLEAN AND VIDEO PIPES BEFORE AND AFTER CIPP.
7. INSTALL TOP HAT COUPONS AT ALL SERVICES.
8. CONTRACTOR MUST SUBMIT STAGING AREA PLAN THAT IDENTIFIES THE EXTENTS OF THE REQUIRED AREA TO COMPLETE THE CIPP WORK TO THE CITY FOR APPROVAL PRIOR TO THE START OF WORK. ALL CONFLICTS WITH PRIVATE PROPERTY ACCESS SHALL BE IDENTIFIED ON THE STAGING AREA PLAN.

DEFECT PHOTOS



PARCE 78 PHOTO #29 STA: 52+39.91



PARCE 78 PHOTO #30 STA: 52+63.81



PARCE 78 PHOTO #31 STA: 53+25.17



PARCE 78 PHOTO #32 STA: 53+72.68



PARCE 78 PHOTO #33 STA: 54+67.87



PARCE 78 PHOTO #34 STA: 54+82.57



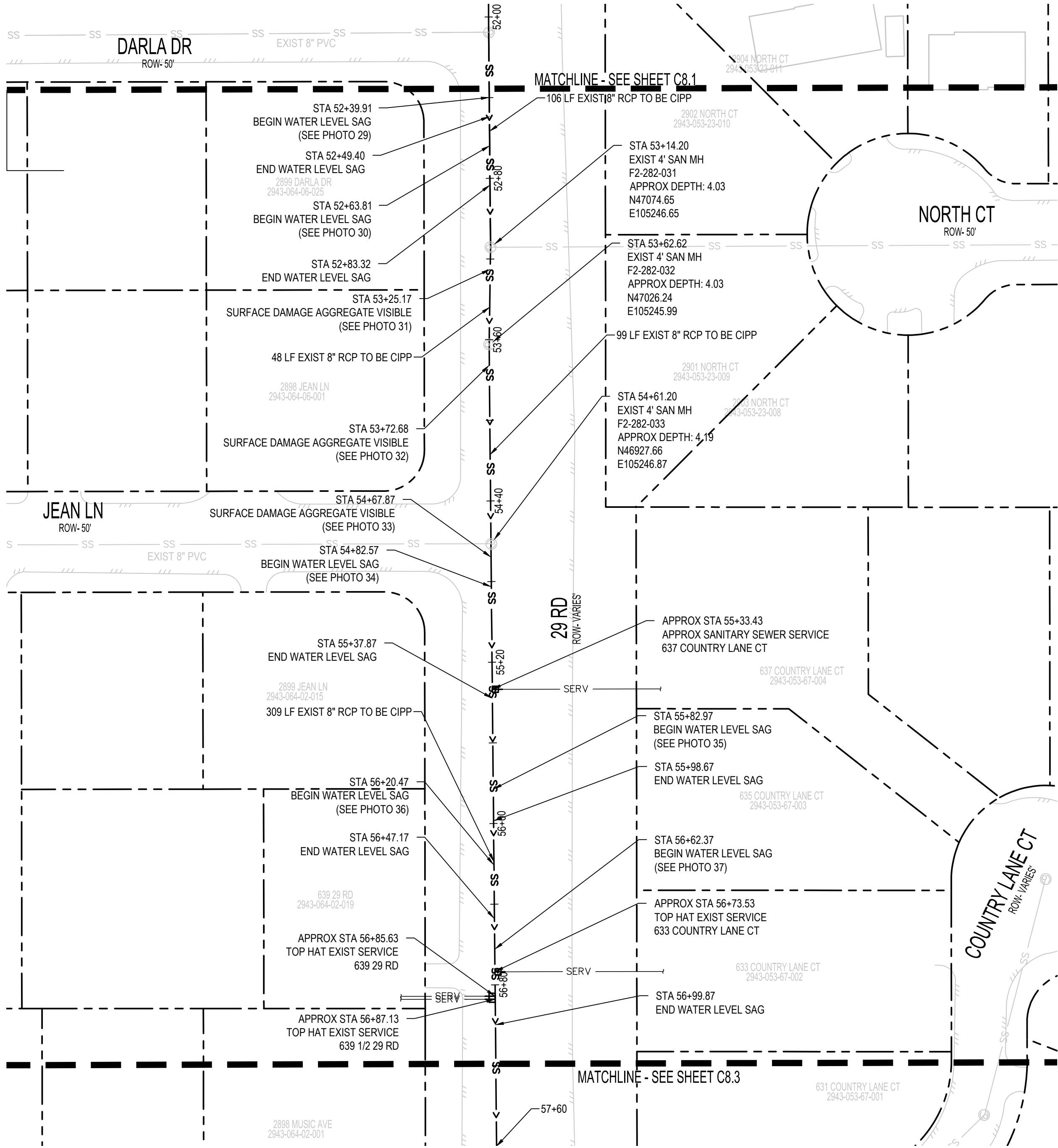
PARCE 78 PHOTO #35 STA: 55+82.97



PARCE 78 PHOTO #36 STA: 56+20.47

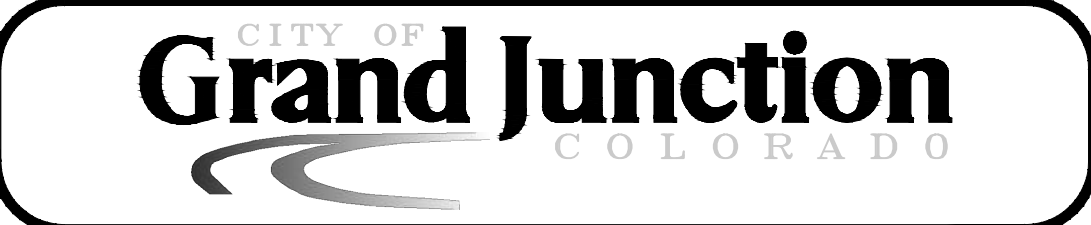


PARCE 78 PHOTO #37 STA: 52+17.91



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REVISION	DESCRIPTION	DATE	DRAWN BY	DATE	DESIGNED BY	DATE	CHECKED BY	DATE	APPROVED BY	DATE	SCALES:
1			SAA/SNG	4/25/2025	ZCF/AMF	4/25/2025	AMR	4/25/2025			PLAN
2											40 0 40
3											SCALE IN FEET
4											



2025 CIPP
SANITARY SEWER REPLACEMENT
PARSE 78 – SANITARY PLAN & PHOTOS

DEFECT PHOTOS



PARCE 78 PHOTO #38 STA: 57+67.17



PARCE 78 PHOTO #39 STA: 57+81.92



PARCE 78 PHOTO #40 STA: 57+87.59



PARCE 78 PHOTO #41 STA: 57+97.92



PARCE 78 PHOTO #42 STA: 58+20.49



PARCE 78 PHOTO #43 STA: 58+62.09



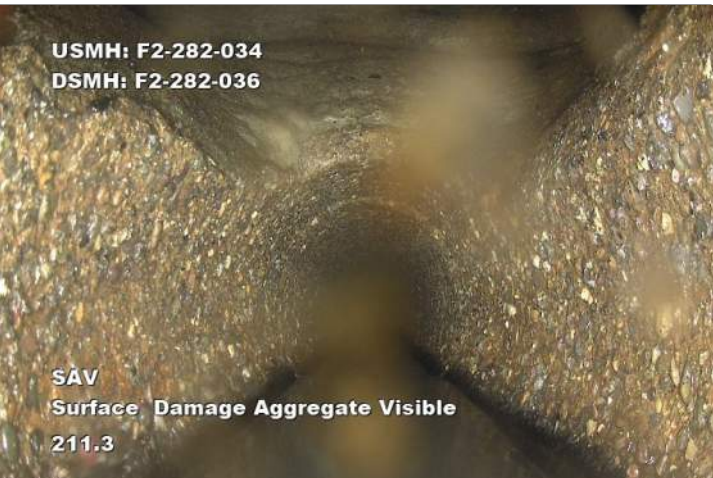
PARCE 78 PHOTO #44 STA: 58+62.09



PARCE 78 PHOTO #45 STA: 59+60.62



PARCE 78 PHOTO #46 STA: 59+72.32



PARCE 78 PHOTO #47 STA: 41+64.61



PARCE 78 PHOTO #48 STA: 59+90.49



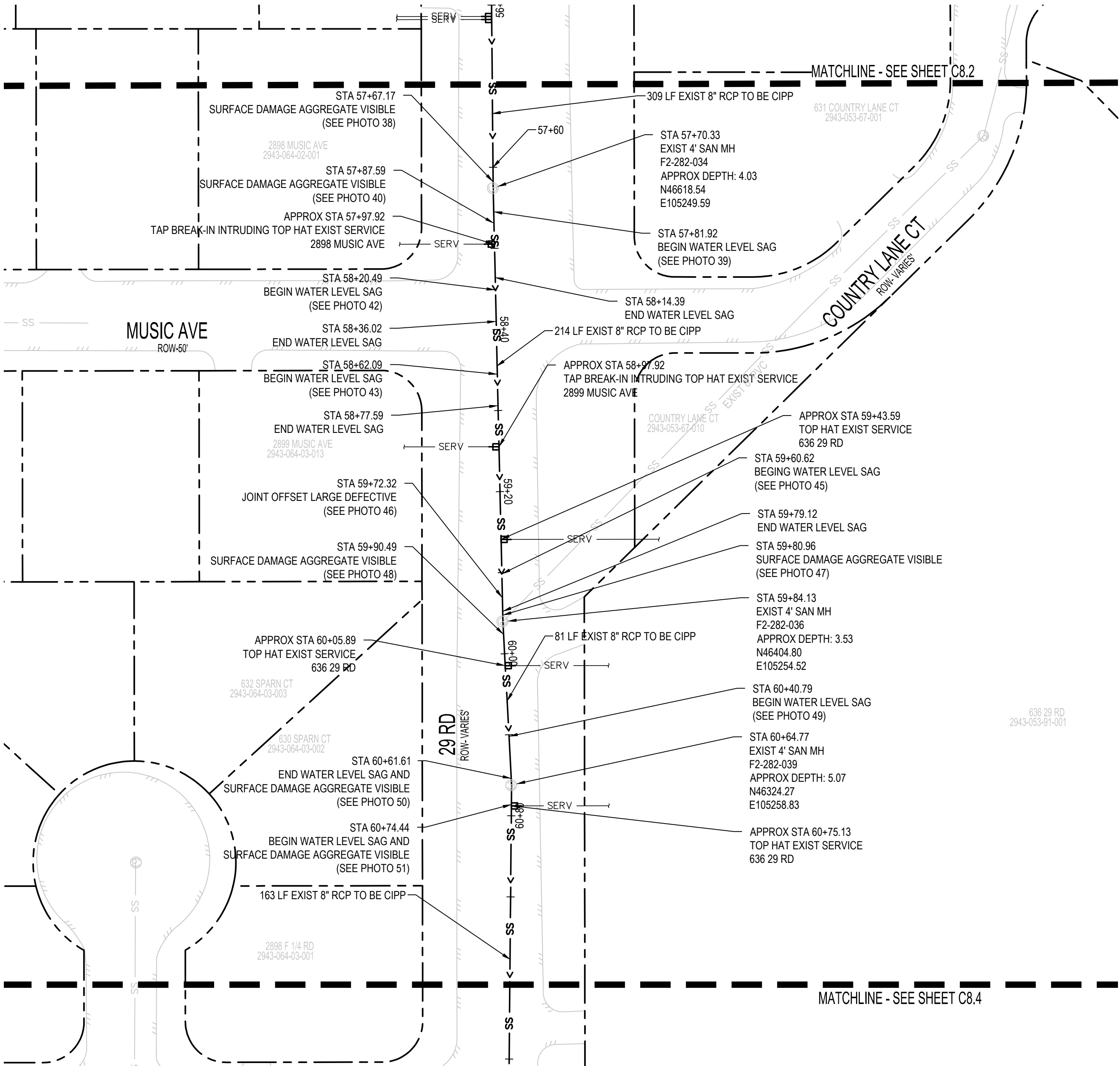
PARCE 78 PHOTO #49 STA: 60+40.79



PARCE 78 PHOTO #50 STA: 60+61.61



PARCE 78 PHOTO #51 STA: 60+74.44

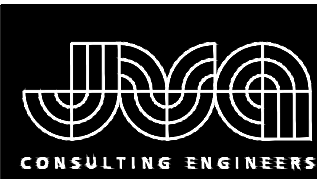
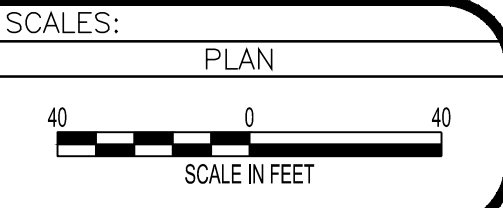


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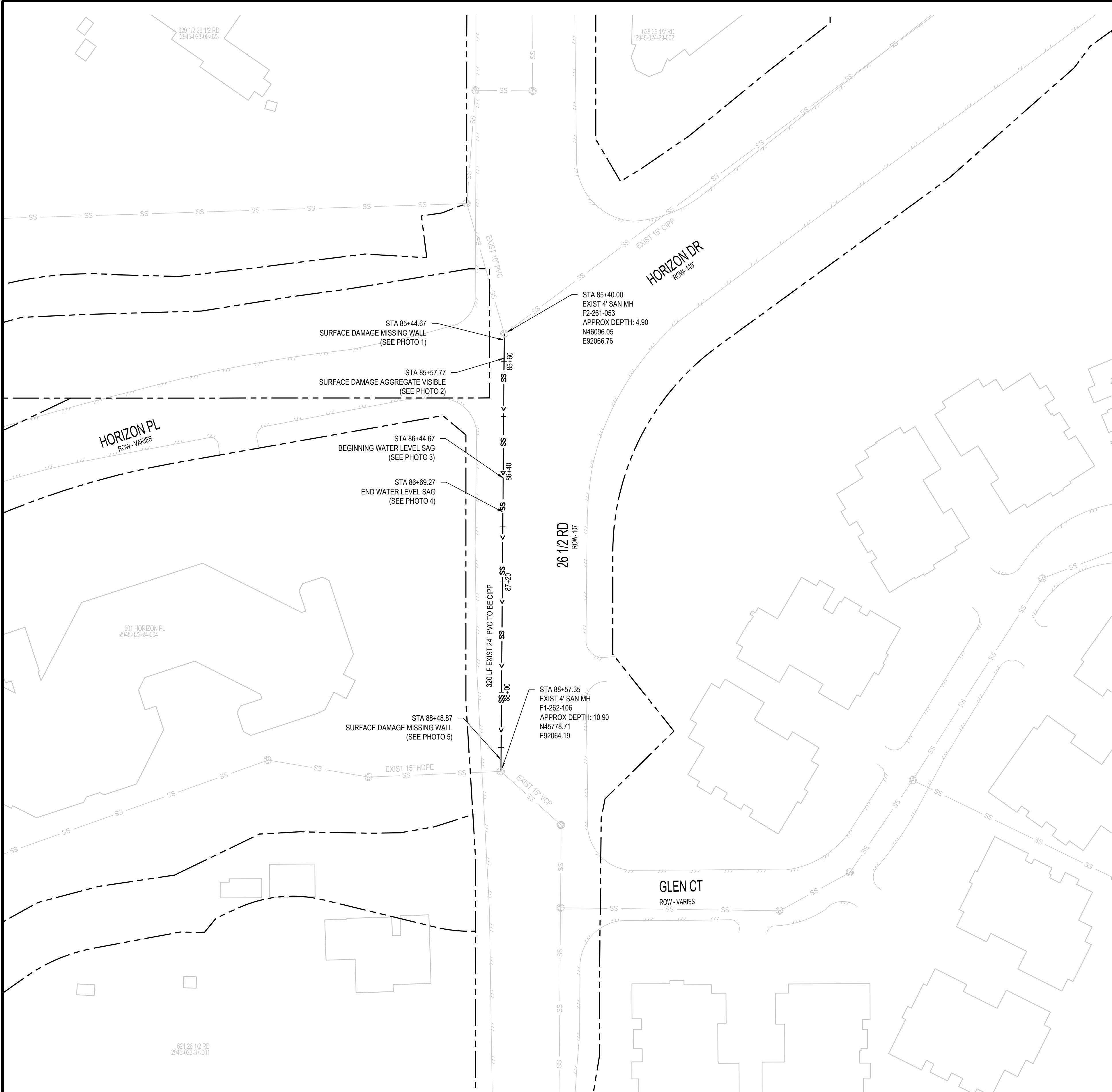
REVISION	DESCRIPTION	DATE
REVISION		
REVISION		
REVISION		

DRAWN BY	SAA/SNG	DATE	4/25/2025
DESIGNED BY	ZCF/AMF	DATE	4/25/2025
CHECKED BY	AMR	DATE	4/25/2025
APPROVED BY		DATE	



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www.jvajva.com
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2025 CIPP
SANITARY SEWER REPLACEMENT
PARSE 78 – SANITARY PLAN & PHOTOS



DEFECT PHOTOS



PARSE 93 PHOTO #1 STA: 85+44.67



PARSE 93 PHOTO #2 STA: 85+57.77



PARSE 93 PHOTO #3 STA: 86+44.67



PARSE 93 PHOTO #4 STA: 86+69.27



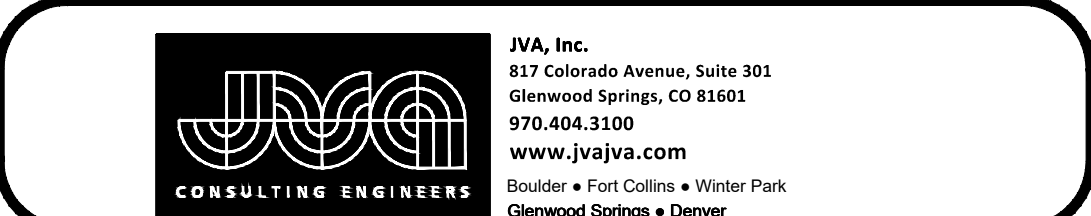
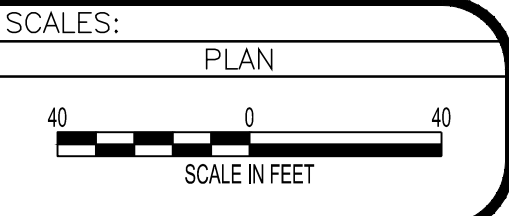
PARSE 93 PHOTO #5 STA: 88+48.87

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REVISION	DESCRIPTION	DATE
1		
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DRAWN BY	SAA/SNG	DATE	4/25/2025
DESIGNED BY	ZCF/AMF	DATE	4/25/2025
CHECKED BY	AMR	DATE	4/25/2025
APPROVED BY		DATE	



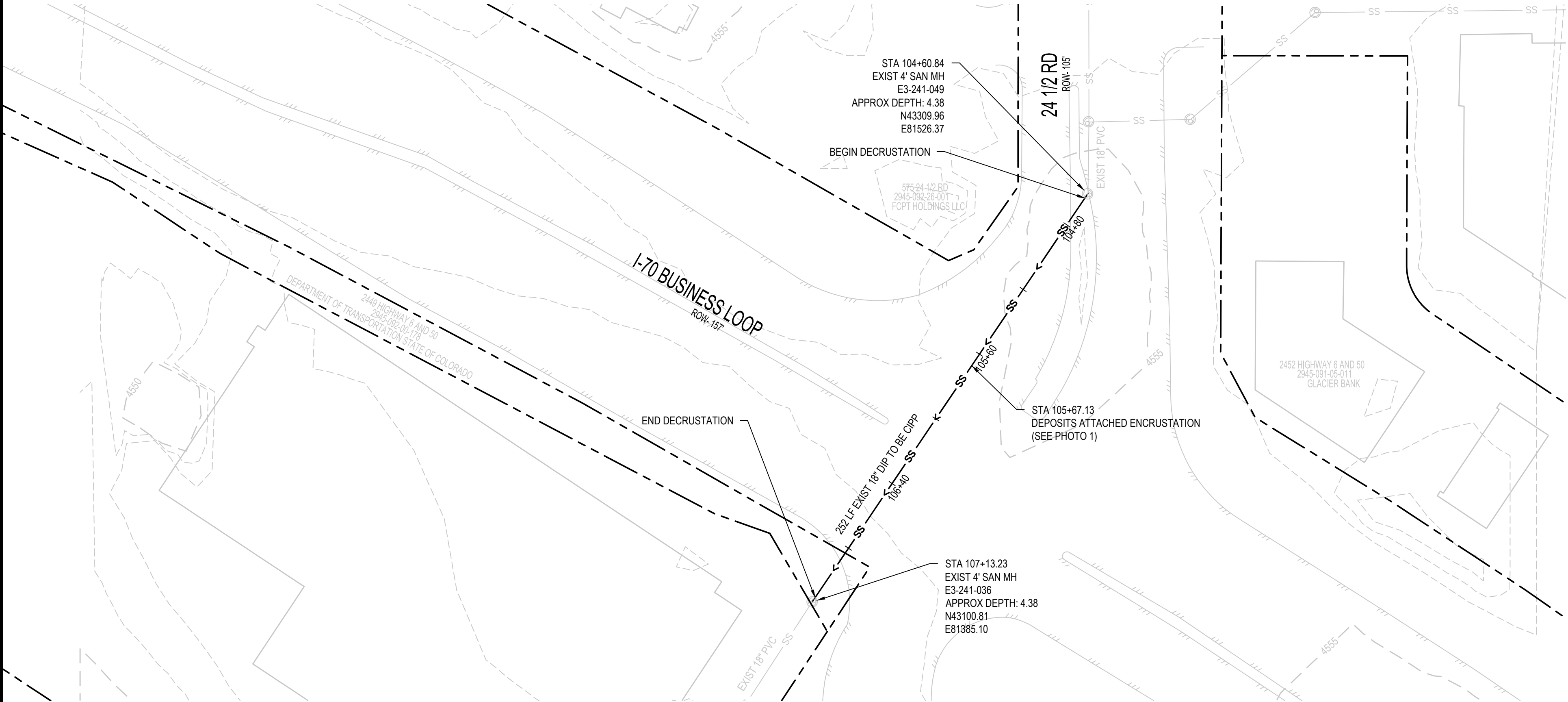
2025 CIPP
SANITARY SEWER REPLACEMENT
PARSE 93 – SANITARY PLAN & PHOTOS



USMH: E3-241-049
DSMH: E3-241-036

DAE
Deposits Attached Encrustation
106.4

PARSE 156 PHOTO #1 STA: 105+67.13

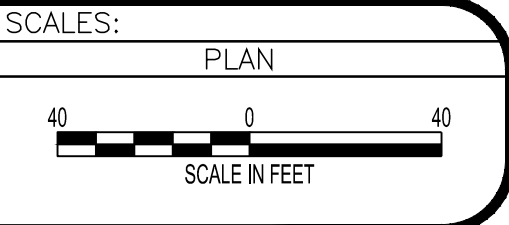


UTILITY NOTES:

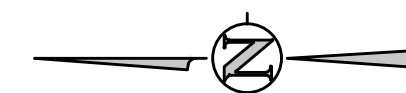
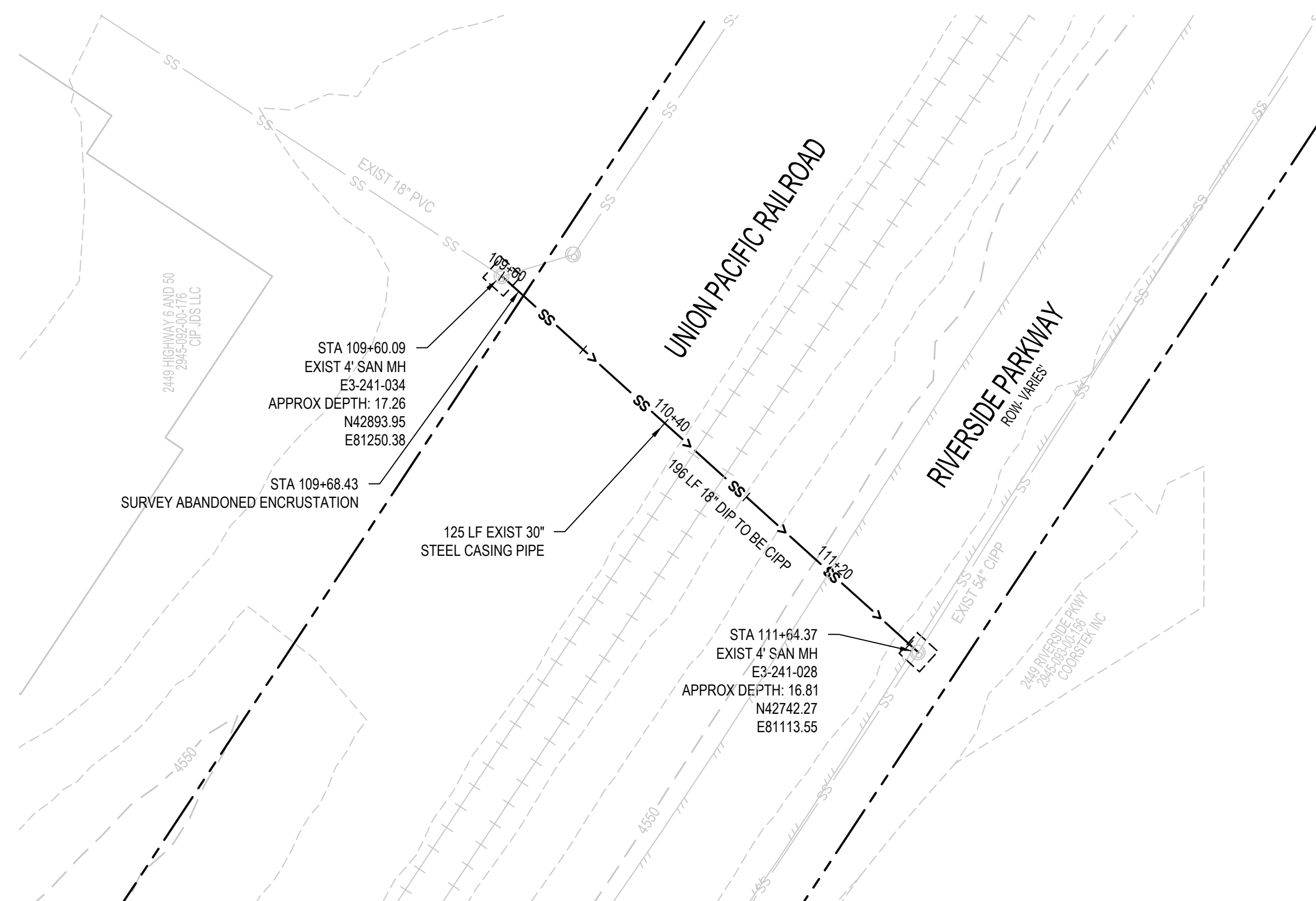
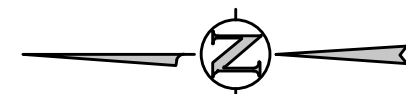
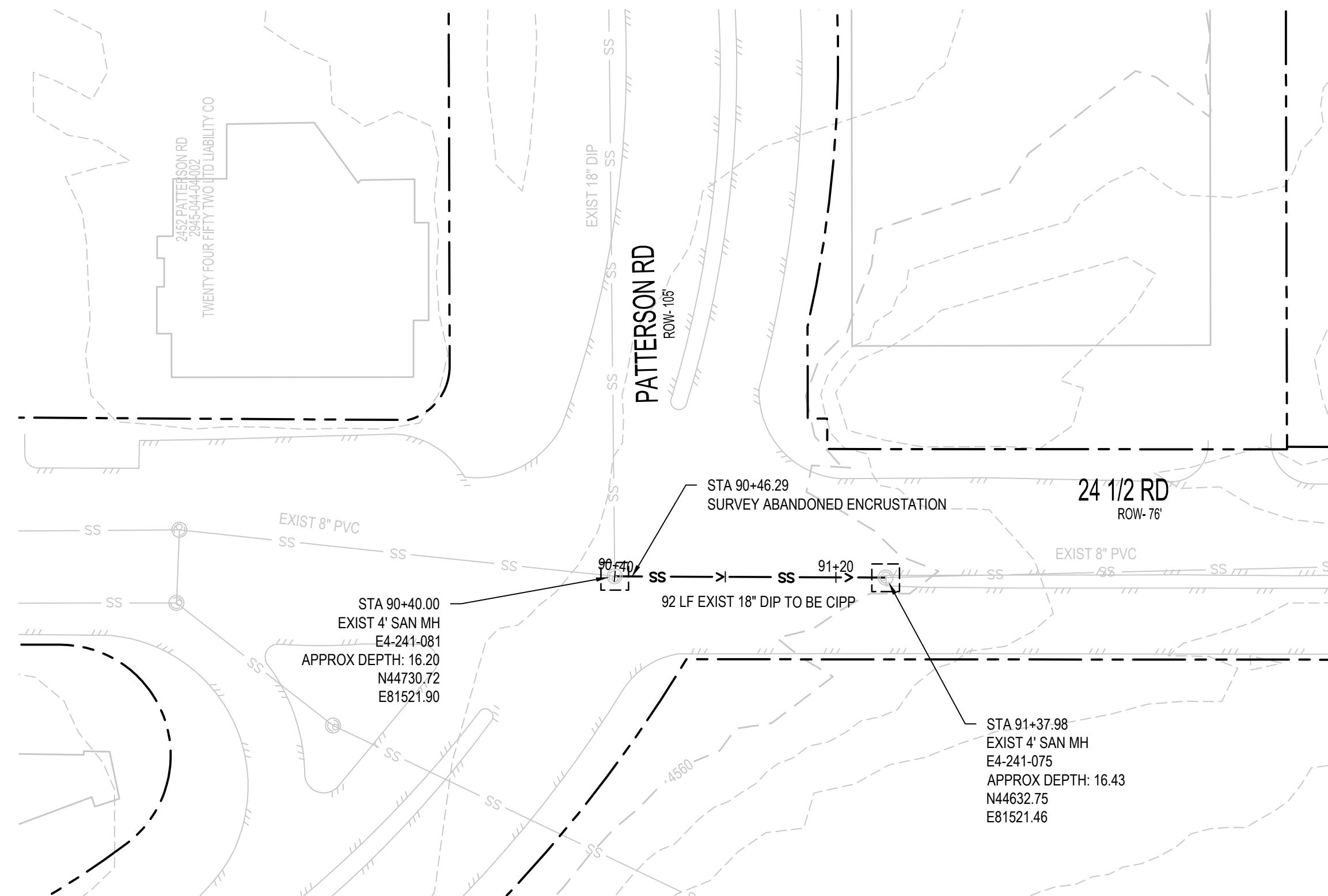
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REVISION	DESCRIPTION	DATE
REVISION		
REVISION		
REVISION		

DRAWN BY	SAA/SNG	DATE	4/25/2025
DESIGNED BY	ZCF/AMF	DATE	4/25/2025
CHECKED BY	AMR	DATE	4/25/2025
APPROVED BY		DATE	



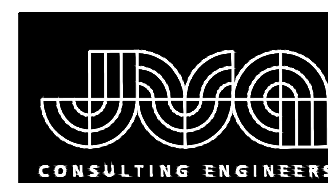
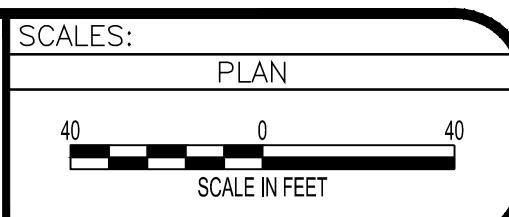
2025 CIPP
SANITARY SEWER REPLACEMENT
PARSE 156 – SANITARY PLAN & PHOTOS



- UTILITY NOTES:**
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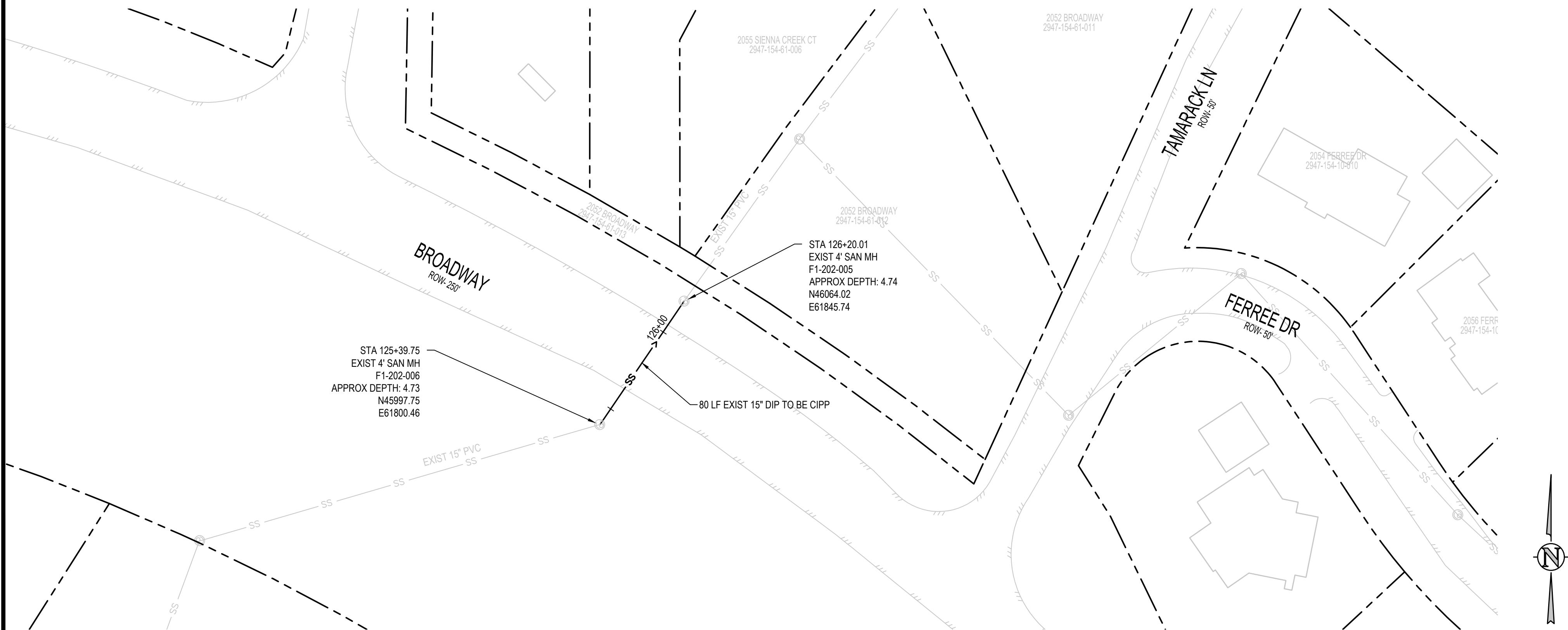
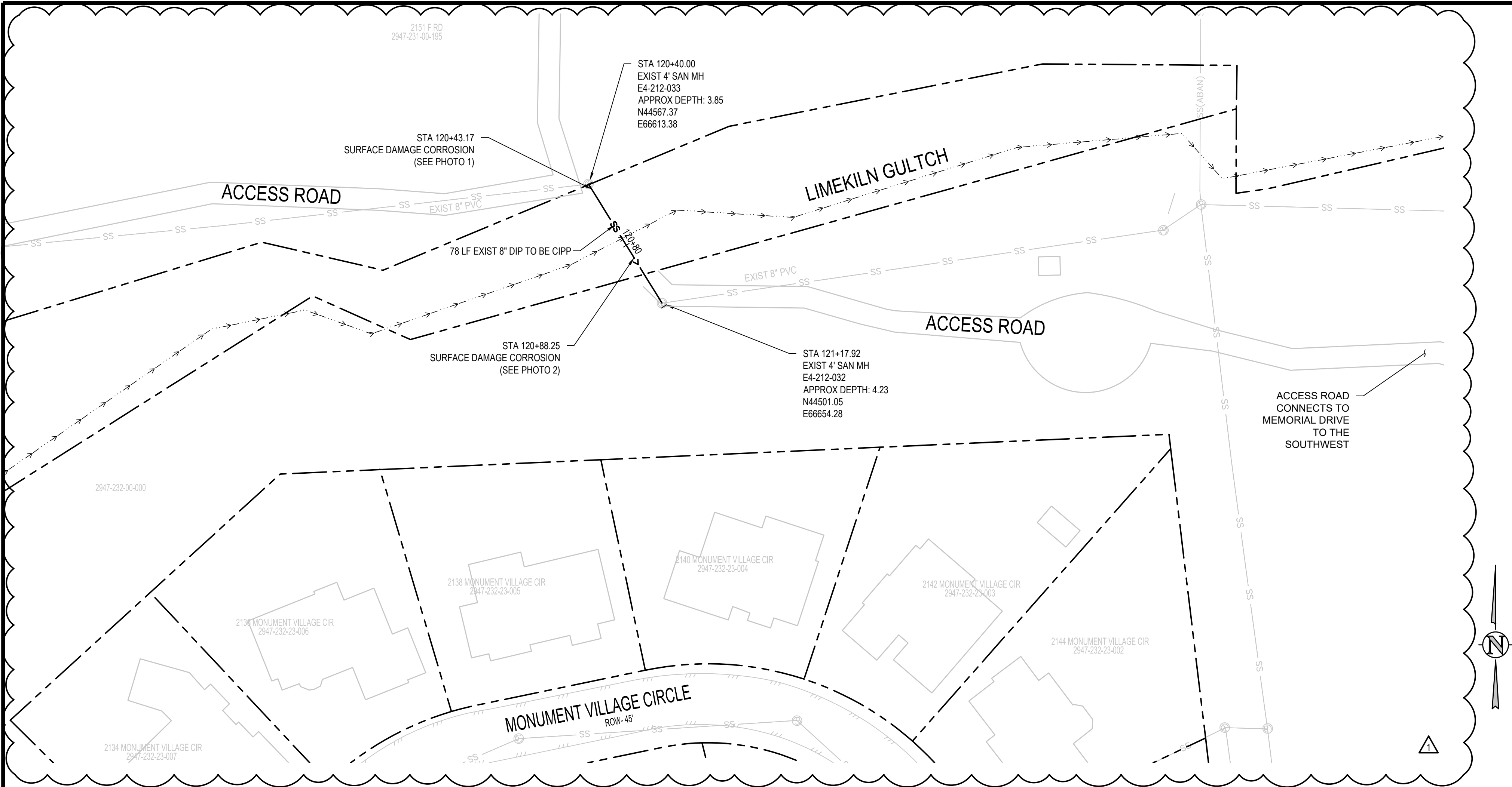
REVISION	DESCRIPTION	DATE
REVISION		
REVISION		
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REVISION		

DRAWN BY	SAA/SNG	DATE	4/25/2025
DESIGNED BY	ZCF/AMF	DATE	4/25/2025
CHECKED BY	AMR	DATE	4/25/2025
APPROVED BY		DATE	



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970.404.3100
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**2025 CIPP
SANITARY SEWER REPLACEMENT
PARSE 156 – SANITARY PLAN & PHOTOS**



PARSE 159 PHOTO #1 STA: 120+43.17



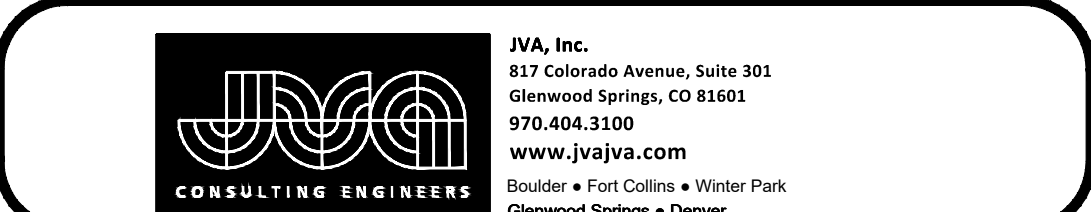
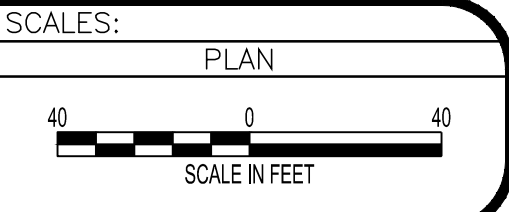
PARSE 159 PHOTO #2 STA: 120+88.25

NO PIPE DEFICIENCIES SURVEYED

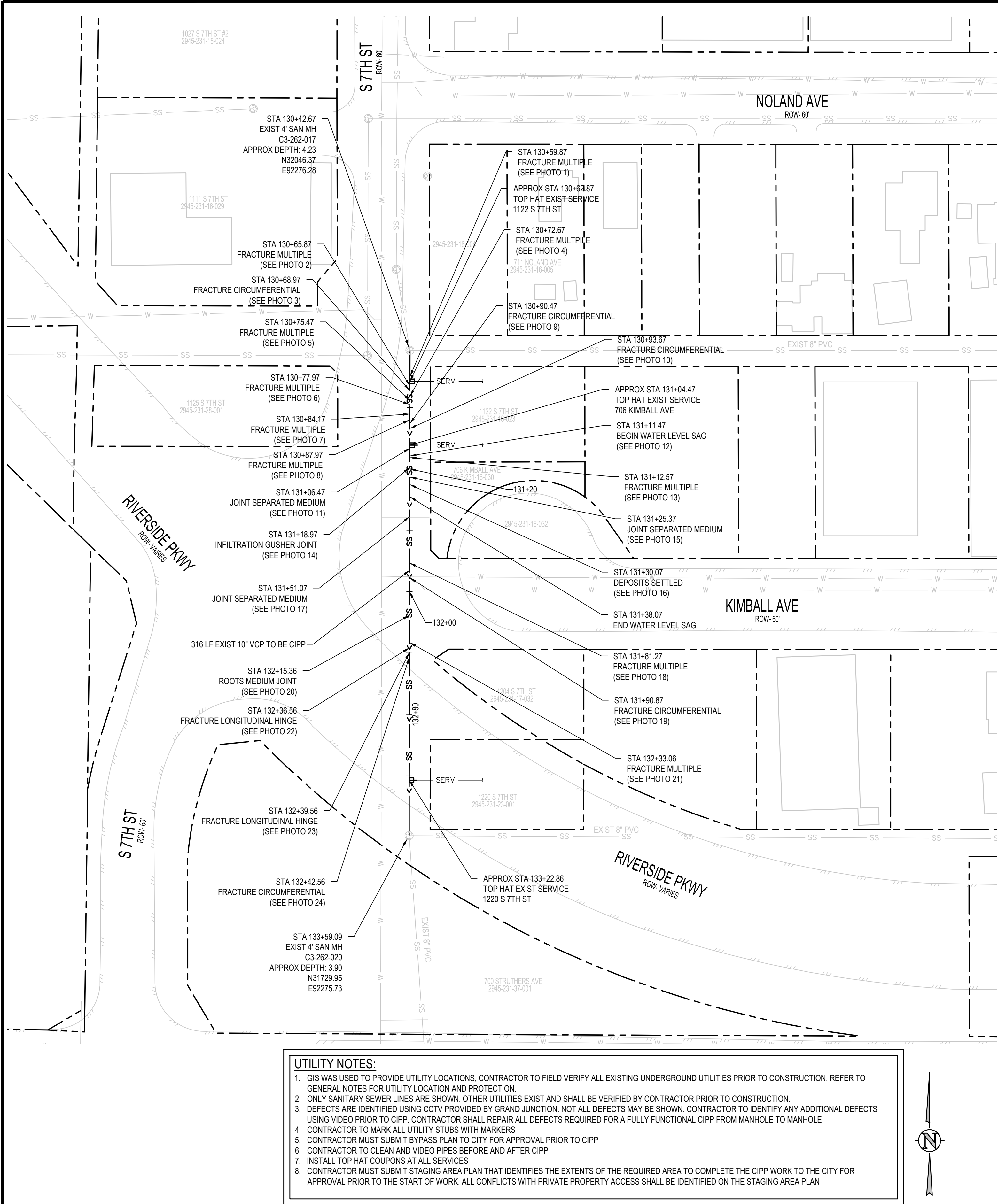
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REVISION	DESCRIPTION	DATE
1	CLARIFICATION OF LOCATION	5/22/2025
2		
3		
4		

DRAWN BY	SAA/SNG	DATE	4/25/2025
DESIGNED BY	ZCF/AMF	DATE	4/25/2025
CHECKED BY	AMR	DATE	4/25/2025
APPROVED BY		DATE	



2025 CIPP
SANITARY SEWER REPLACEMENT
PARSE 159 & 160 - SANITARY PLAN & PHOTOS



DEFECT PHOTOS



PARCE 188 PHOTO #1 STA: 130+59.87



PARCE 188 PHOTO #2 STA: 130+65.87



PARCE 188 PHOTO #3 STA: 130+68.97



PARCE 188 PHOTO #4 STA: 130+72.67



PARCE 188 PHOTO #5 STA: 130+75.47



PARCE 188 PHOTO #6 STA: 130+77.97



PARCE 188 PHOTO #7 STA: 130+84.17



PARCE 188 PHOTO #8 STA: 130+87.97



PARCE 188 PHOTO #9 STA: 130+90.47



PARCE 188 PHOTO #10 STA: 130+93.67



PARCE 188 PHOTO #11 STA: 131+06.47



PARCE 188 PHOTO #12 STA: 131+11.47



PARCE 188 PHOTO #13 STA: 131+12.57



PARCE 188 PHOTO #14 STA: 131+18.97



PARCE 188 PHOTO #15 STA: 131+25.37



PARCE 188 PHOTO #16 STA: 131+30.07



PARCE 188 PHOTO #17 STA: 131+51.07



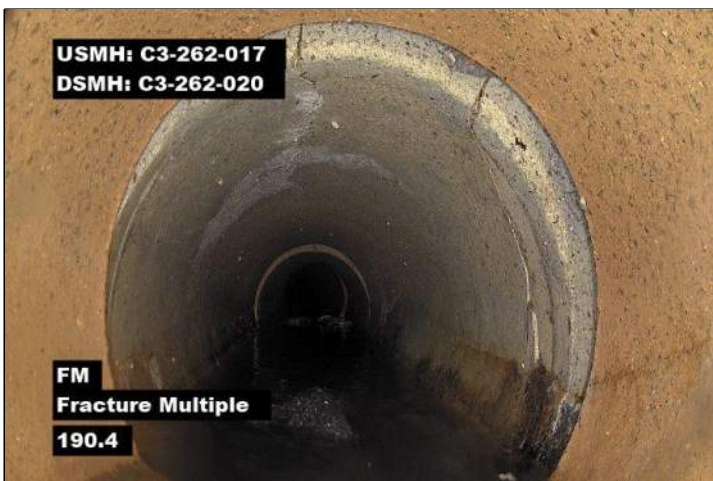
PARCE 188 PHOTO #18 STA: 131+81.27



PARCE 188 PHOTO #19 STA: 131+90.87



PARCE 188 PHOTO #20 STA: 132+15.36



PARCE 188 PHOTO #21 STA: 132+33.06



PARCE 188 PHOTO #22 STA: 132+36.56



PARCE 188 PHOTO #23 STA: 132+39.56



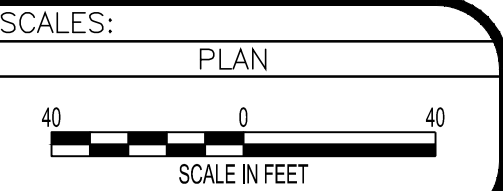
PARCE 188 PHOTO #24 STA: 132+42.56

REVISION	DESCRIPTION	DATE
1	GENERAL NOTES FOR UTILITY LOCATION AND PROTECTION.	4/25/2025
2	ONLY SANITARY SEWER LINES ARE SHOWN. OTHER UTILITIES EXIST AND SHALL BE VERIFIED BY CONTRACTOR PRIOR TO CONSTRUCTION.	4/25/2025
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6	CONTRACTOR TO CLEAN AND VIDEO PIPES BEFORE AND AFTER CIPP	
7	INSTALL TOP HAT COUPONS AT ALL SERVICES	
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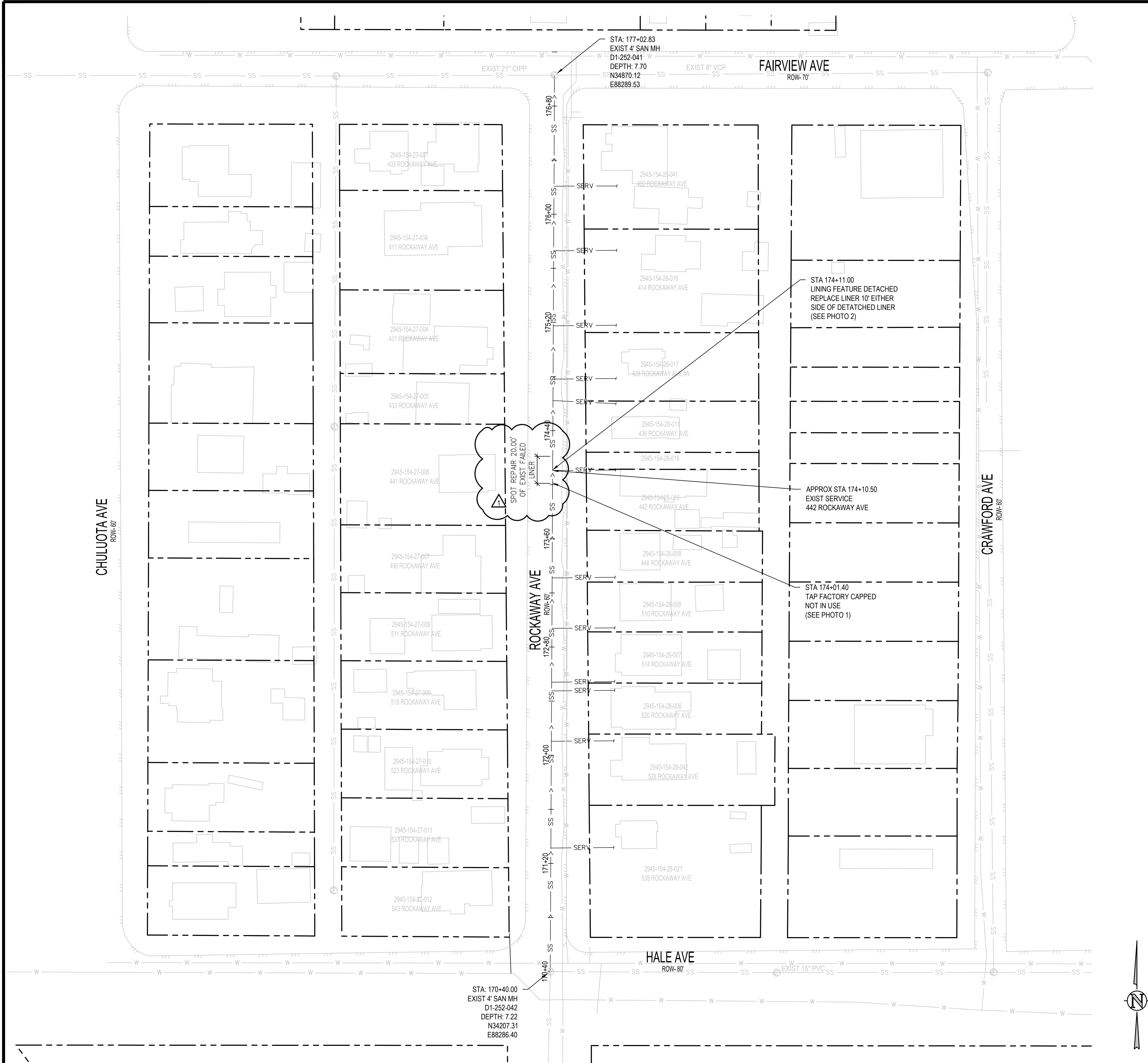
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REVISION	DESCRIPTION	DATE	DRAWN BY	SAA/SNG	DATE	4/25/2025	DESIGNED BY	ZCF/AMF	DATE	4/25/2025	CHECKED BY	AMR	DATE	4/25/2025	APPROVED BY	DATE
1																
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2025 CIPP
SANITARY SEWER REPLACEMENT
PARSE 188 – SANITARY PLAN & PHOTOS



DEFECT PHOTOS



PARCE 209 PHOTO #1 STA: 174+01.40

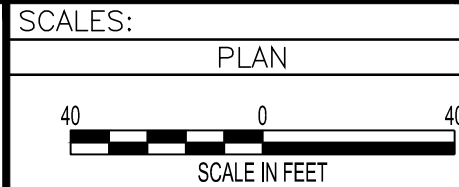


PARCE 209 PHOTO #2 STA: 174+11.00

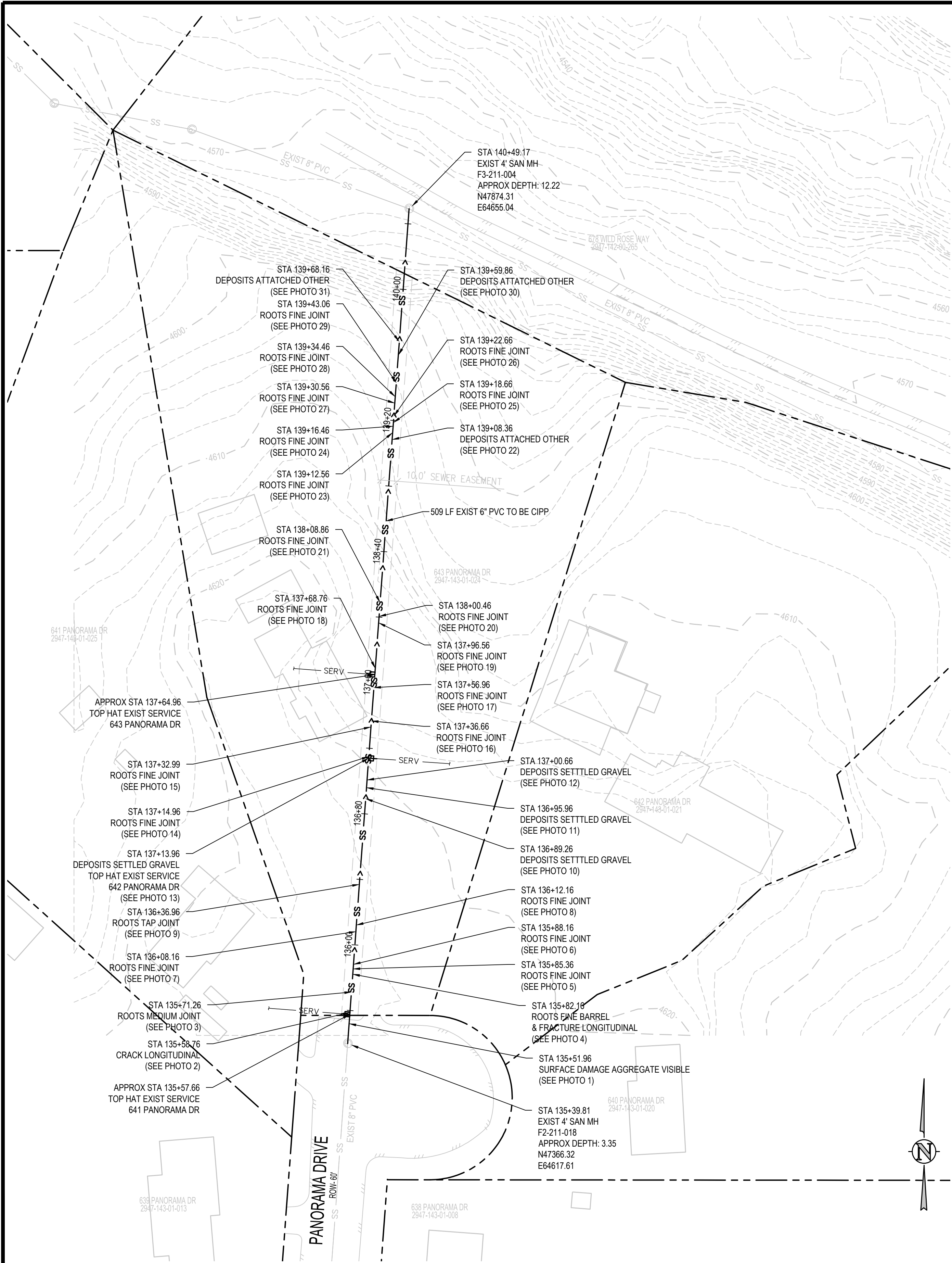
- UTILITY NOTES:
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REVISION	DESCRIPTION	DATE
1	CLARIFYING TEXT EDITS	5/22/2025
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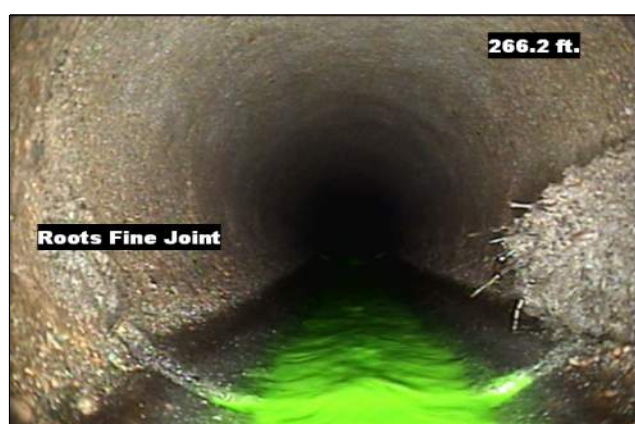
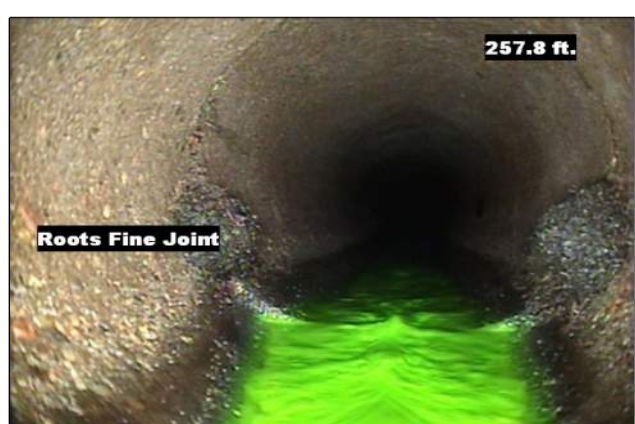
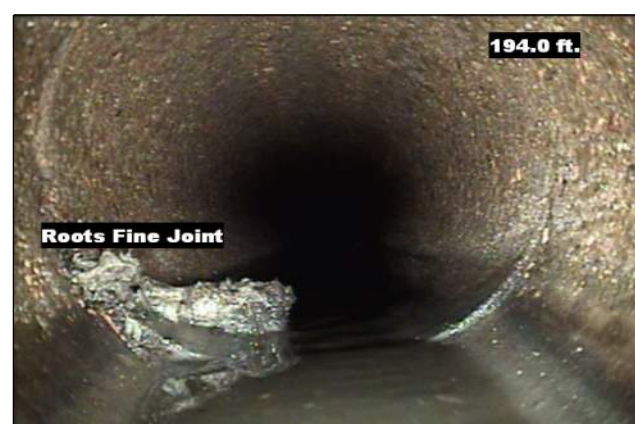
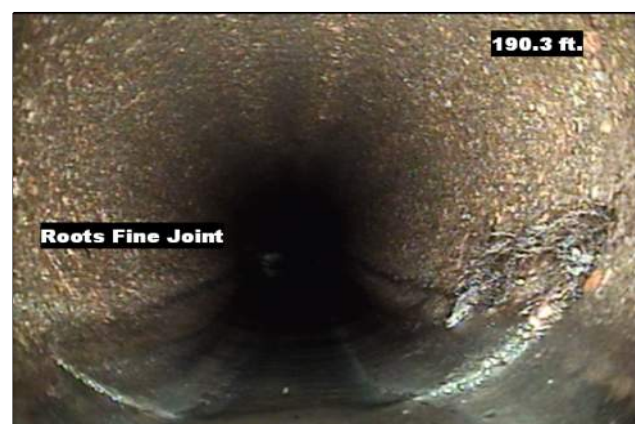
DRAWN BY SAA/SNG DATE 4/25/2025
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CHECKED BY AMR DATE 4/25/2025
APPROVED BY _____ DATE _____



2025 CIPP
SANITARY SEWER REPLACEMENT
PARSE 209 – SANITARY PLAN & PHOTOS



DEFECT PHOTOS

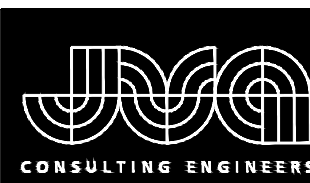
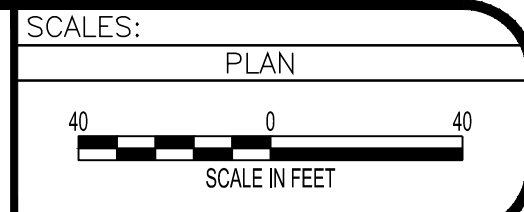


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Glenwood Springs, CO 81601
970.404.3100
www.jvajva.com
Boulder • Fort Collins • Winter Park
Glenwood Springs • Denver

2025 CIPP
SANITARY SEWER REPLACEMENT
PARSE 213 – SANITARY PLAN & PHOTOS

DEFECT PHOTOS



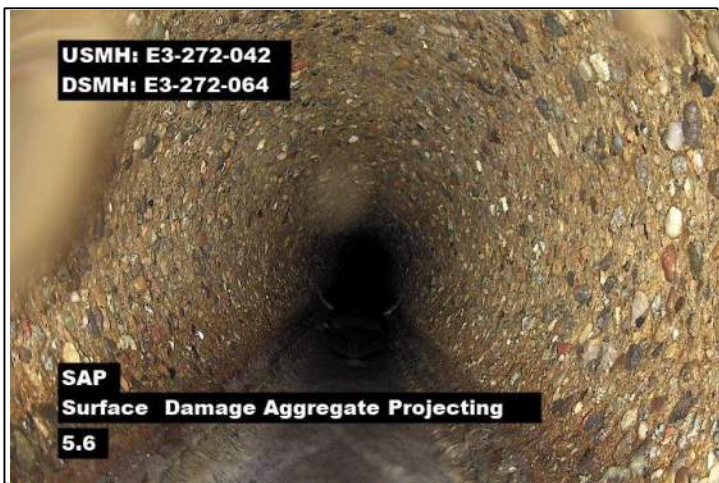
PARCE 217 PHOTO #1 STA: 145+43.17



PARCE 217 PHOTO #2 STA: 145+87.18



PARCE 217 PHOTO #3 STA: 146+51.88



PARCE 217 PHOTO #4 STA: 147+76.68



PARCE 217 PHOTO #5 STA: 149+62.48



PARCE 217 PHOTO #6 STA: 150+28.18



PARCE 217 PHOTO #7 STA: 150+88.88



PARCE 217 PHOTO #8 STA: 151+65.46



PARCE 217 PHOTO #9 STA: 151+86.66



PARCE 217 PHOTO #10 STA: 151+99.41



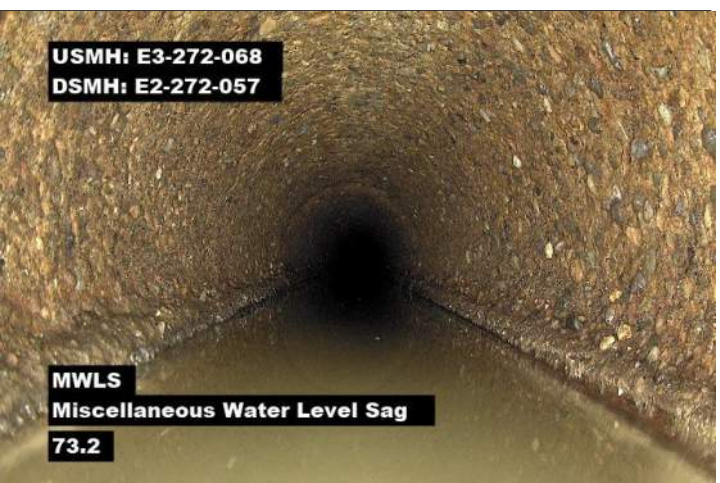
PARCE 217 PHOTO #11 STA: 152+11.911



PARCE 217 PHOTO #12 STA: 152+16.41



PARCE 217 PHOTO #13 STA: 152+45.61



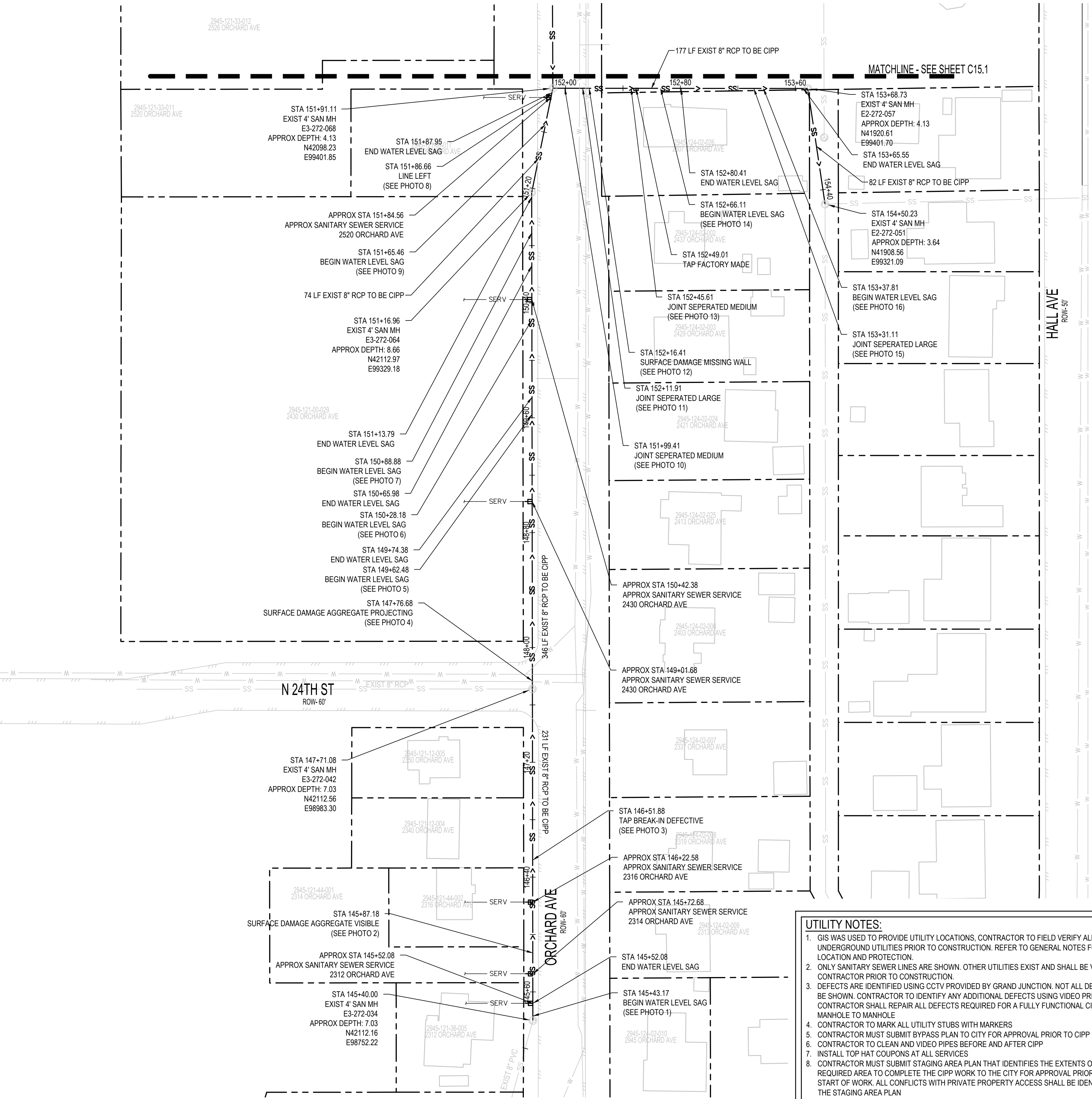
PARCE 217 PHOTO #14 STA: 152+66.11



PARCE 217 PHOTO #15 STA: 153+31.11

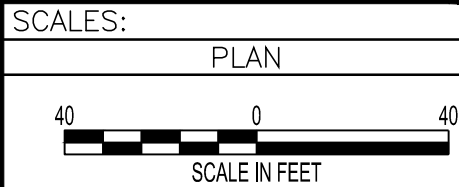


PARCE 217 PHOTO #16 STA: 153+37.81

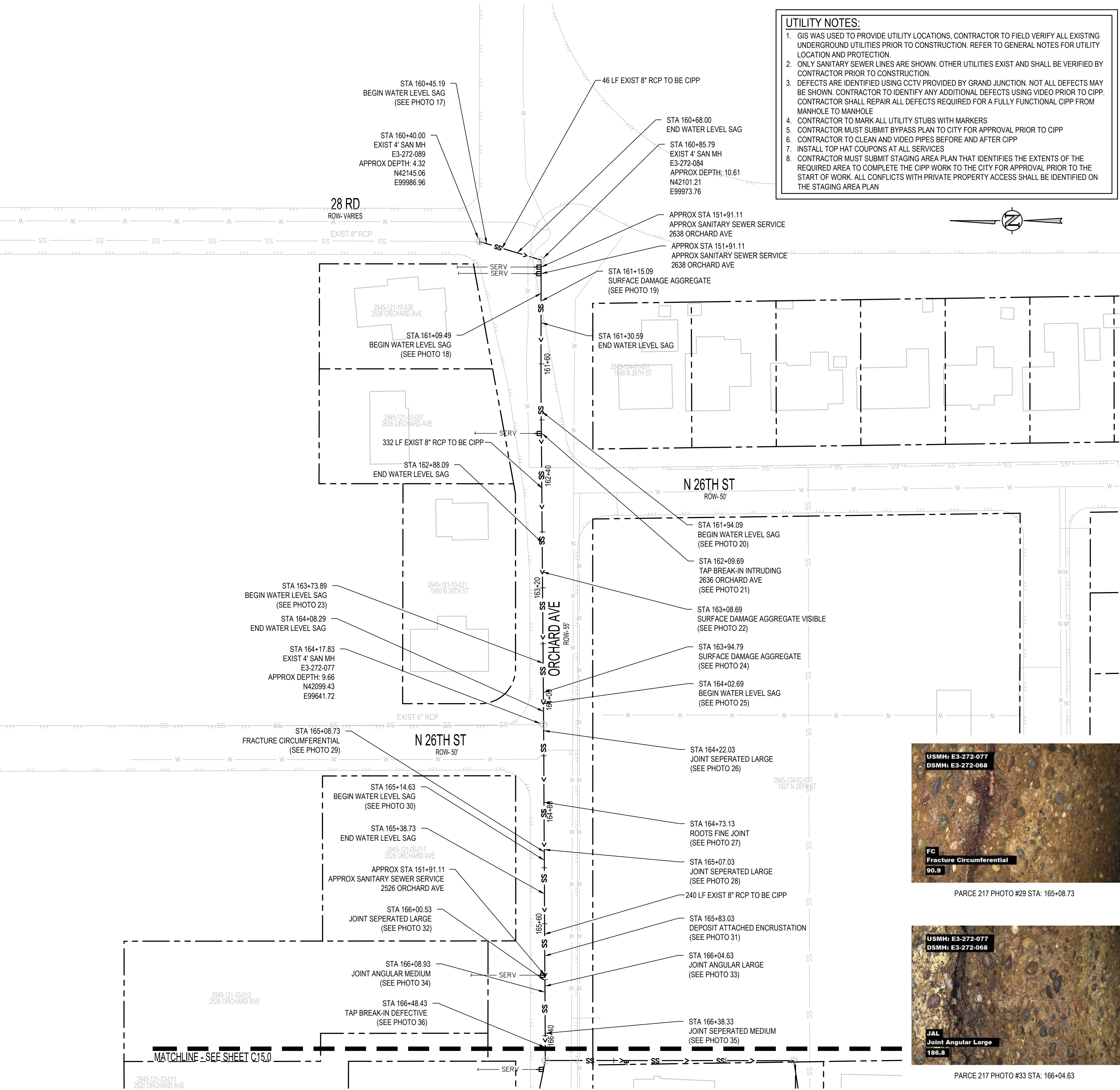


REVISION	DESCRIPTION	DATE
REVISION 1		
REVISION 2		
REVISION 3		
REVISION 4		

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2025 CIPP
SANITARY SEWER REPLACEMENT
PARSE 217 – SANITARY PLAN & PHOTOS



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DEFECT PHOTOS



PARSE 217 PHOTO #17 160+45.19



PARSE 217 PHOTO #18 161+09.49



PARSE 217 PHOTO #19 STA: 161+94.09



PARSE 217 PHOTO #20 160+45.19



PARSE 217 PHOTO #21 162+09.69



PARSE 217 PHOTO #22 STA: 163+08.69



PARSE 217 PHOTO #23 STA: 163+73.89



PARSE 217 PHOTO #24 STA: 163+94.79



PARSE 217 PHOTO #25 STA: 164+02.69



PARSE 217 PHOTO #26 STA: 164+22.03



PARSE 217 PHOTO #27 STA: 164+73.31



PARSE 217 PHOTO #28 STA: 165+07.03



PARSE 217 PHOTO #29 STA: 165+08.73



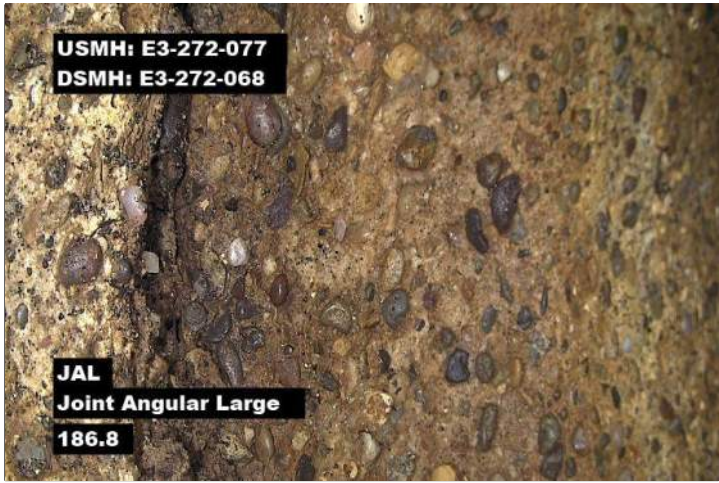
PARSE 217 PHOTO #30 STA: 165+14.63



PARSE 217 PHOTO #31 STA: 165+83.03



PARSE 217 PHOTO #32 STA: 165+00.53



PARSE 217 PHOTO #33 STA: 166+04.63



PARSE 217 PHOTO #34 STA: 166+08.63




PARSE 217 PHOTO #35 STA: 166+38.33



PARSE 217 PHOTO #36 STA: 166+48.43

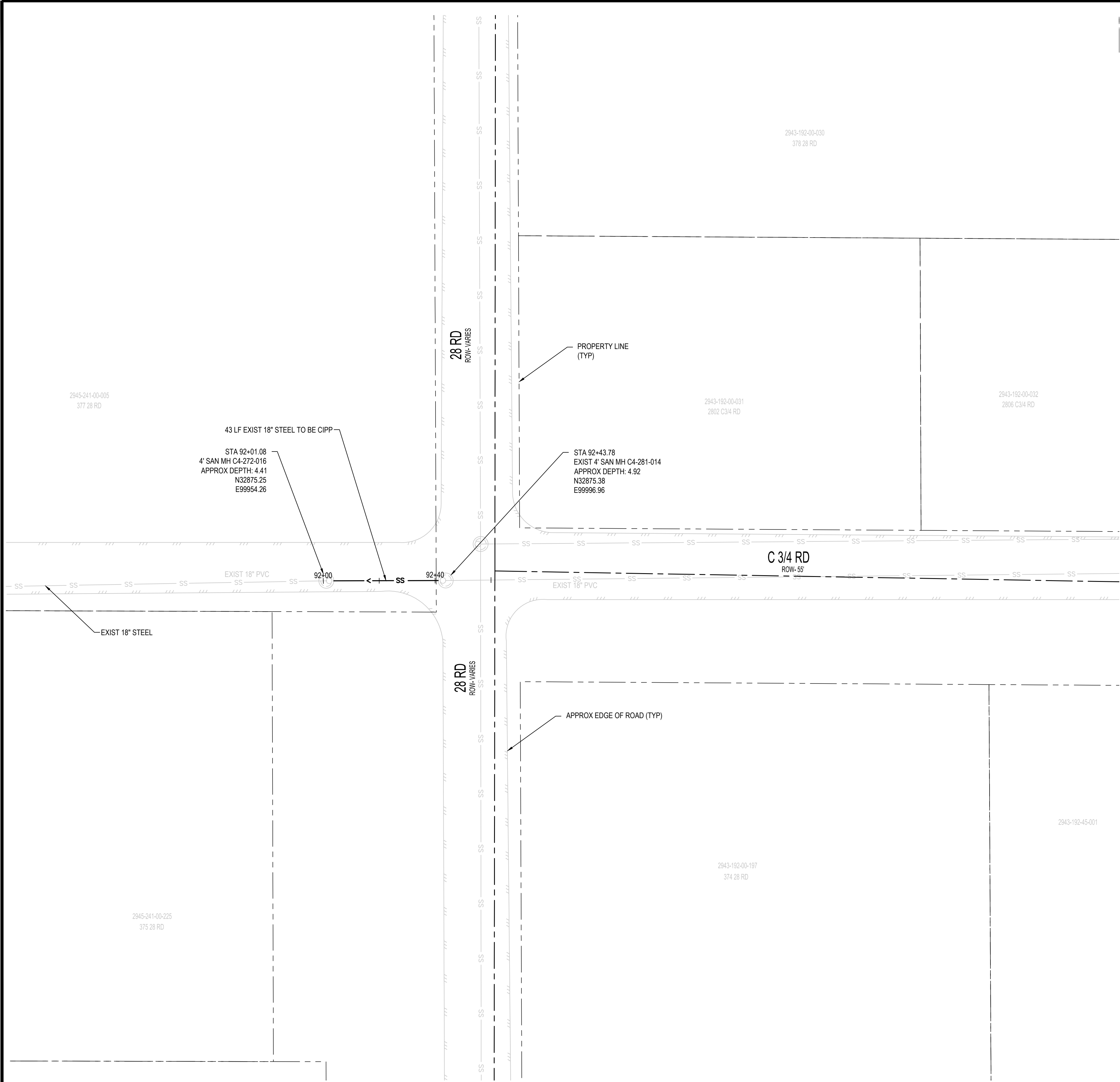
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PLAN		
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SCALE IN FEET		



2025 CIPP
SANITARY SEWER REPLACEMENT
PARSE 217 – SANITARY PLAN & PHOTOS



DEFECT PHOTOS

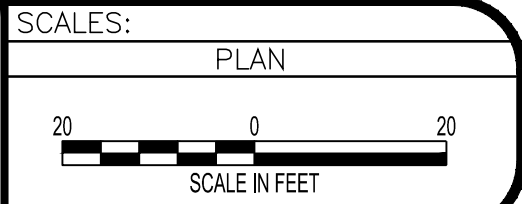


PARSE 218 PHOTO #12 STA: 92+03.75

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2025 CIPP
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PARSE 218 – SANITARY PLAN & PHOTOS

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