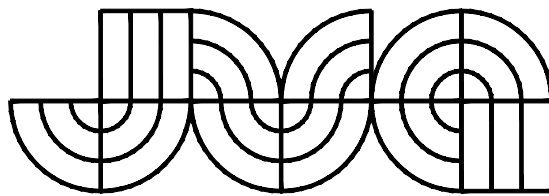


CITY OF GRAND JUNCTION
2025 CIPP PROJECT
GRAND JUNCTION, COLORADO
BID SET

CONTACTS

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ENGINEER:	JVA, INC 1319 SPRUCE STREET BOULDER, CO 80302	ADAM RACETTE, P.E. (303) 565-4949 ARACETTE@JVAJVA.COM

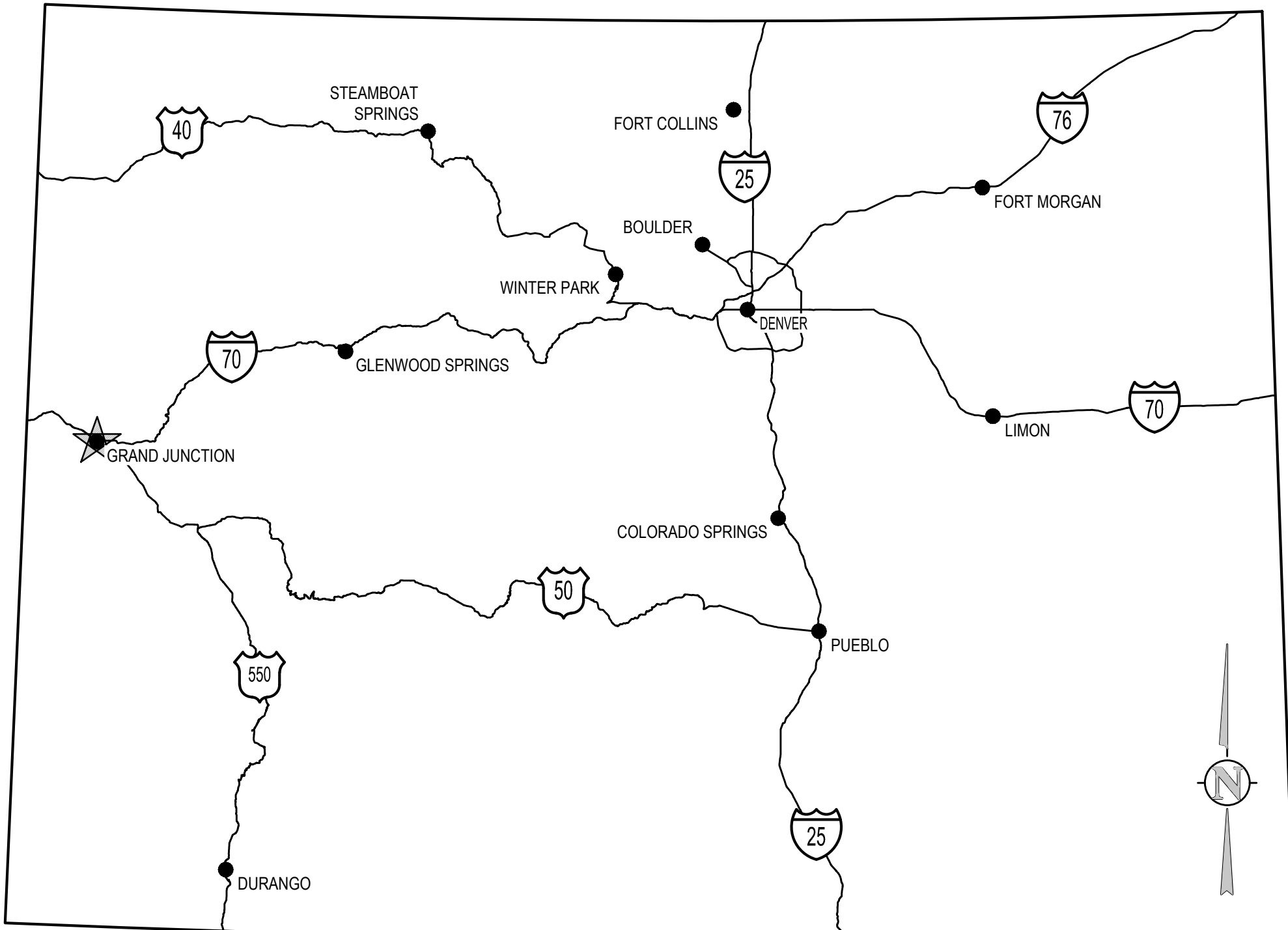


CONSULTING ENGINEERS
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Glenwood Springs • Denver

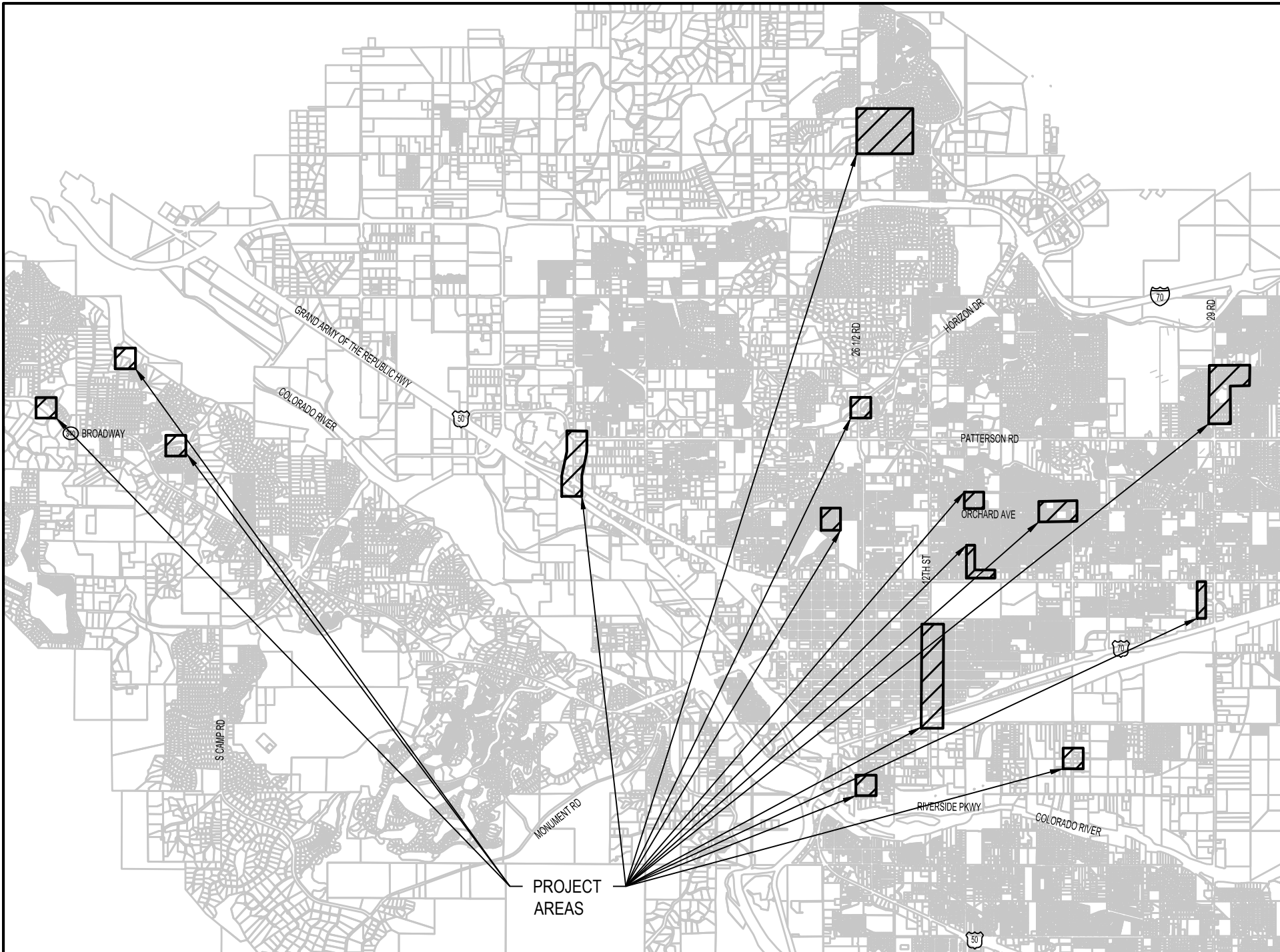
APRIL 2025

PREPARED UNDER THE SUPERVISION OF

JVA, Inc



VICINITY MAP



PROJECT LOCATION MAP

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C13.0	PARSE 209 - SANITARY PLAN & PHOTOS
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ABBREVIATIONS		INCL		INCLUDED	
AASHTO	AMERICAN ASSOC. OF STATE HIGHWAY AND TRANSPORTATION OFFICIALS	IN	INLET	INSUL	INSULATION
ABAN	ABANDON	INV	INVERT	IRR	IRRIGATION
AC	ASPHALTIC CONCRETE PAVING	JTS	JOINTS	KO	KNOCKOUT
ADDL	ADDITIONAL	KPL	KICK PLATE	KIWI	KEYWAY
ADDM	ADDENDUM	L	LEFT OR LITER	LSCAPE	LANDSCAPE(ING)
ADJ	ADJUSTABLE	LF	LINEAR FOOT	LP	LOW POINT
AL	ALUMINUM	LT	LIGHT	LVL	LOW WATER LEVEL
ALT	ALTERNATE	MAINT	MAINTENANCE	MAN	MANHOLE
AMT	AMOUNT	MAN	MANUAL	MATL	MATERIAL
APPROX	APPROXIMATE	MAX	MAXIMUM	ME	MATCH EXISTING
ARCH	ARCHITECT(URAL)	MECH	MECHANICAL	MFR	MANUFACTURER
ARV	AIR RELIEF VALVE	MH	MANHOLE	MIN	MINIMUM
ASTM	AMERICAN SOCIETY FOR TESTING AND MATERIALS	MISC	MISCELLANEOUS	MJ	MECHANICAL JOINT
ASPH	ASPHALT	N	NORTH	NA	NOT APPLICABLE
ASSY	ASSEMBLY	NC	NOT IN CONTRACT	NPT	NATIONAL PIPE THREAD
ASYM	ASYMMETRICAL	NTS	NOT TO SCALE	OS	OFFSET
AUTO	AUTOMATIC	OC	ON CENTER	OD	OUTSIDE DIAMETER
AVG	AVERAGE	OPP	OPPOSITE	OPT	OPTIONAL
AWWA	AMERICAN WATER WORKS ASSOC.	PC	POINT OF CURVATURE	PCD	PRESSURE CLEAN OUT
BC	BACK OF CURB	PCR	POINT OF CURVE RETURN	PI	POINT OF INTERSECTION
BFV	BUTTERFLY VALVE	P/I	POINT OF VERTICAL INTERSECTION	PL	PROPERTY LINE
BG	FINISHED GRADE ADJACENT TO BOTTOM OF WALL	PE	POLYETHYLENE	PREFAB	PREFABRICATED
BLDG	BUILDING	PRELIM	PRELIMINARY	PREP	PREPARATION
BLK	BLOCK	PROP	PROPOSED	PRV	PRESSURE REDUCING VALVE OR PRESSURE RELIEF VALVE
BM	BENCH MARK	PSF	POUNDS PER SQUARE FOOT	PSI	POUNDS PER SQUARE INCH
BMP	BEST MANAGEMENT PRACTICE	PT	POINT OF TANGENCY	PV	PLUG VALVE
BS	BACKSIGHT	PVC	POLYVINYL CHLORIDE OR POINT OF VERTICAL CURVATURE	PVMT	PAVEMENT
BOS	BOTTOM OF STEP	QTY	QUANTITY	R	RIGHT
BOT	BOTTOM	RAD	RADIUS	RCP	REINFORCED CONCRETE PIPE
BSMT	BASEMENT	RD	ROOF DRAIN	RE	REFERENCE
BVC	BEGIN VERTICAL CURVE ELEVATION	RECT	RECTANGULAR	REIN	REINFORCE (D) (ING) (MENT)
BVCS	BEGIN VERTICAL CURVE STATION	REOD	REQUIRED	ROW	RIGHT OF WAY
BW	BOTTOM OF WALL	SAN	SANITARY	SC	SAWCUT
CB	CATCH BASIN	SD	STORM DRAIN	SECT	SECTION
CCW	COUNTER CLOCKWISE	SEPD	STANDARD PROCTOR DENSITY	SPEC	SPECIFICATION
CDOT	COLORADO DEPARTMENT OF TRANSPORTATION	SQ	SQUARE	SQ IN	SQUARE INCH
CIP	CAST IRON PIPE	SQ FT	SQUARE FOOT	SQ YD	SQUARE YARD
CJ	CONSTRUCTION JOINT	SS	SANITARY SEWER	SST	STAINLESS STEEL
CL	CENTER LINE OR CHAIN LINK	STA	STATION	STD	STANDARD
CLR	CLEAR	STL	STEEL	STRUCT	STRUCTURAL
CMP	CORRUGATED METAL PIPE	SVC	SERVICE	SWMP	STORMWATER MANAGEMENT PLAN
CMU	CONCRETE MASONRY UNIT	SYM	SYMMETRICAL	TB	THRUST BLOCK
CO	CLEANOUT	TB	THURST BLOCK	TBU	TOP BANK OF CURB
CONC	CONCRETE	TEMP	TEMPORARY	TBM	TEMPORARY BENCH MARK
CONST	CONSTRUCTION	FTG	FOOTING OR FITTING	TG	FINISHED GRADE ADJACENT TO TOP OF WALL
CONT	CONTINUOUS(ATION)	GAS	GAS	THK	THICK
COR	CORNER	GA	GAUGE	TOB	TOP OF BANK
CONC	CONCENTRIC REDUCER	GAL	GALLON	TOC	TOP OF CONCRETE OR TOP OF CURB
CTR	CENTER	GALV	GALVANIZED	TOS	TOP OF STEP
CY	CUBIC YARDS	GB	GRADE BREAK	TOT	TOTAL
DEMO	DEMOLITION	GCO	GRADE CLEANOUT	TW	TOP OF WALL OR CAP OF WALL
DET	DETAIL	GND	GROUND	TYP	TYPICAL
DIA	DIAMETER	GPD	GALLONS PER DAY	UBC	UNIFORM BUILDING CODE
DIAG	DIAGONAL	GPM	GALLONS PER MINUTE	UGE	UNDERGROUND ELECTRIC
DIP	DUCTILE IRON PIPE	GR	GRATE	UTL	UTILITY
DOM	DOMESTIC	GRTG	GRATING	VERT	VERTICAL
DN	DOWN	GSP	GALVANIZED STEEL PIPE	VC	POINT OF VERTICAL CURVATURE
DWG	DRAWING	GV	GATE VALVE	VCP	VITRIFIED CLAY PIPE
DWL	DOWEL	H	HIGH	W	WIDE OR WIDTH
E	EAST	HB	HOSE BIB	W	WITH
EA	EACH	HE	HORIZONTAL ELLIPTICAL	W/O	WITHOUT
ECC	ECCENTRIC	HDWL	HEADWALL	W/OE	WATER QUALITY CONTROL ELEVATION
EJ	EXPANSION JT	HDRL	HAND RAIL	WSE	WATER SURFACE ELEVATION
EL	ELEVATION	HORIZ	HORIZONTAL	WW	WASTEWATER
ELB	ELBOW	HP	HIGH POINT	X SECT	CROSS SECTION
ELEC	ELECTRICAL	HVAC	HEATING, VENTILATION, AIR CONDITIONING	XFMR	ELECTRONIC TRANSFORMER
ENGR	ENGINEER	HWY	HIGHWAY	YH	YARD HYDRANT
EOP	EDGE OF PAVEMENT	HVL	HIGH WATER LINE		
EQ	EQUAL	HYD	HYDRANT		
EQUIP	EQUIPMENT				
EQUIV	EQUIVALENT				
ESMT	EASEMENT				
EST	ESTIMATE				
EVCE	END VERTICAL CURVE ELEVATION				
EVCS	END VERTICAL CURVE STATION				
EW	EACH WAY				
EXP JT	EXPANSION JOINT				
EXIST	EXISTING				
FND	FOUNDATION				
FES	FLARED END SECTION				
FF	FINISH FLOOR				
FG	FINISH GRADE				
FH	FIRE HYDRANT				
FL	FLOW LINE				
FN	FENCE				
FOC	FACE OF CONCRETE				
FPH	FEET PER MINUTE				
FPS	FEET PER SECOND				
FT	FEET				
FTG	FOOTING OR FITTING				
G	GAS				
GA	GAUGE				
GAL	GALLON				
GALV	GALVANIZED				
GB	GRADE BREAK				
GCO	GRADE CLEANOUT				
GIP	GALVANIZED IRON PIPE				
GND	GROUND				
GPD	GALLONS PER DAY				
GPM	GALLONS PER MINUTE				
GR	GRATE				
GRTG	GRATING				
GSP	GALVANIZED STEEL PIPE				
GV	GATE VALVE				
H	HIGH				
HB	HOSE BIB				
HE	HORIZONTAL ELLIPTICAL				
HDWL	HEADWALL				
HDRL	HAND RAIL				
HORIZ	HORIZONTAL				
HP	HIGH POINT				
HVAC	HEATING, VENTILATION, AIR CONDITIONING				
HWY	HIGHWAY				
HVL	HIGH WATER LINE				
HYD	HYDRANT				

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

DETAIL TITLE	
	DETAIL NUMBER IDENTIFICATION
	SHEET WHERE THE SECTION OR ELEVATION IS CUT OR CALLED OUT - INDICATES SAME DRAWING
SECTION CALLOUT	
	SECTION NUMBER IDENTIFICATION
	SHEET WHERE THE SECTION IS - INDICATES SAME DRAWING
DETAIL MARKER	
	REVISION CLOUD
	REVISION NUMBER

GIS LEGEND	
	WATER LINE
	SANITARY SEWER LINE
	SANITARY SEWER MANHOLE
	RAILROAD TRACKS
	PROPERTY LINE
	BUILDING
	EDGE OF ROAD
	FIRE HYDRANT
	GATE VALVE

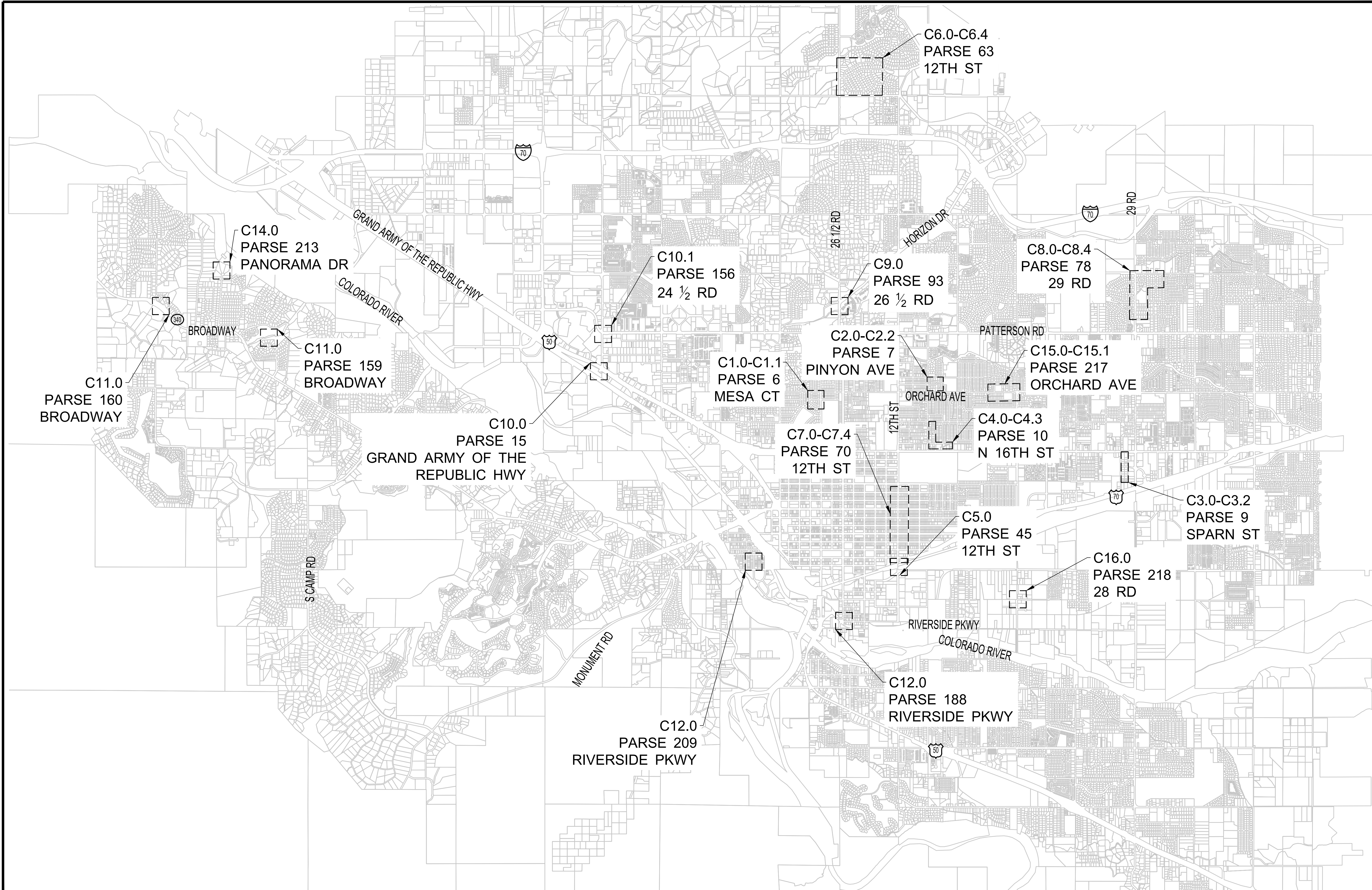
SURVEY LEGEND PARSES 6-10	
	FOUND PROPERTY CORNER MONUMENT
	FOUND SECTION CORNER MONUMENT
	1/4 SECTION LINE
	1/16 SECTION LINE
	PROJECT LIMITS
	LOCATED BURIED WATER LINE
	LOCATED BURIED GAS LINE
	LOCATED BURIED TELEPHONE LINE
	OVERHEAD POWER POLE
	CALCULATED BOUNDARY LINE
	BOUNDARY LINE
	WIRE FENCE
	WOOD FENCE
	CHAIN LINK FENCE
	VINYL FENCE
	SANITARY SEWER MANHOLE & PIPELINE
NOTE: SHADED ITEMS REPRESENT EXIST FEATURES	
	CONCRETE SURFACE
	ASPHALT SURFACE
	BUILDING WITH FOUNDATION
	BUILDING WITHOUT FOUNDATION
	SHRUBBERY PERIMETER
	TREE ROW/ PERIMETER
	DECIDUOUS TREE
	CONIFEROUS TREE

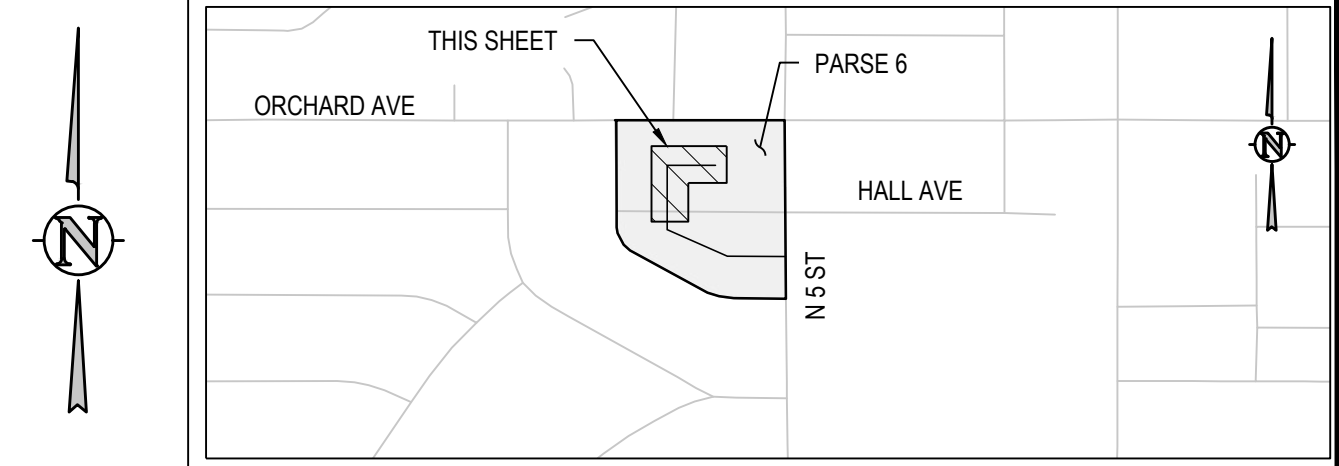
GENERAL NOTES

- 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.
- 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.
- 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.
- 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.
- 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.
- 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.
- 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.
- 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.
- 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.
- 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.
- 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.
- GIS INFORMATION 2025 CIPP:
 - BENCHMARK INFORMATION: TOPOGRAPHIC INFORMATION WAS ACQUIRED FROM THE MESA COUNTY DATA DOWNLOAD SITE (<https://emap.mesacounty.us/downloaddata/>).
 - CITY OF GRAND JUNCTION FEATURE DATA WAS DOWNLOAD FORM THE WEBSITE (<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.
 - HORIZONTAL CONTROL INFORMATION: NO HORIZONTAL CONTROL COORDINATES ARE PROVIDED. PLANS ARE PROVIDED ON THE MESA COUNTY LOCAL COORDINATE SYSTEM (MCLCS).
 - 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 THE CONTRACTOR. SUBSURFACE UTILITIES ARE NOT DEPICTED 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> FOR MORE INFORMATION.
 - 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).
 - 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.
- SURVEY INFORMATION (PARSES 6-10):
 - 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:

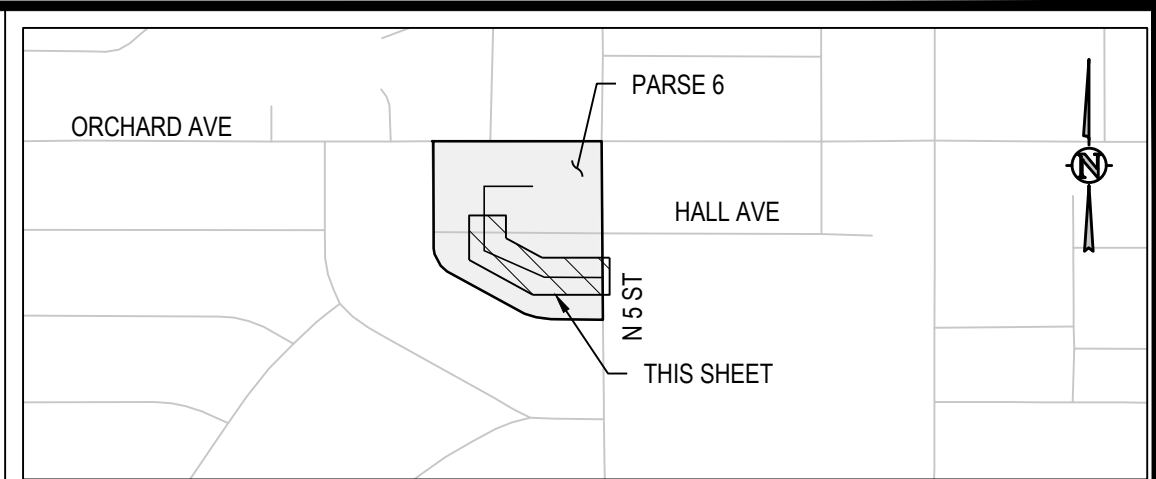
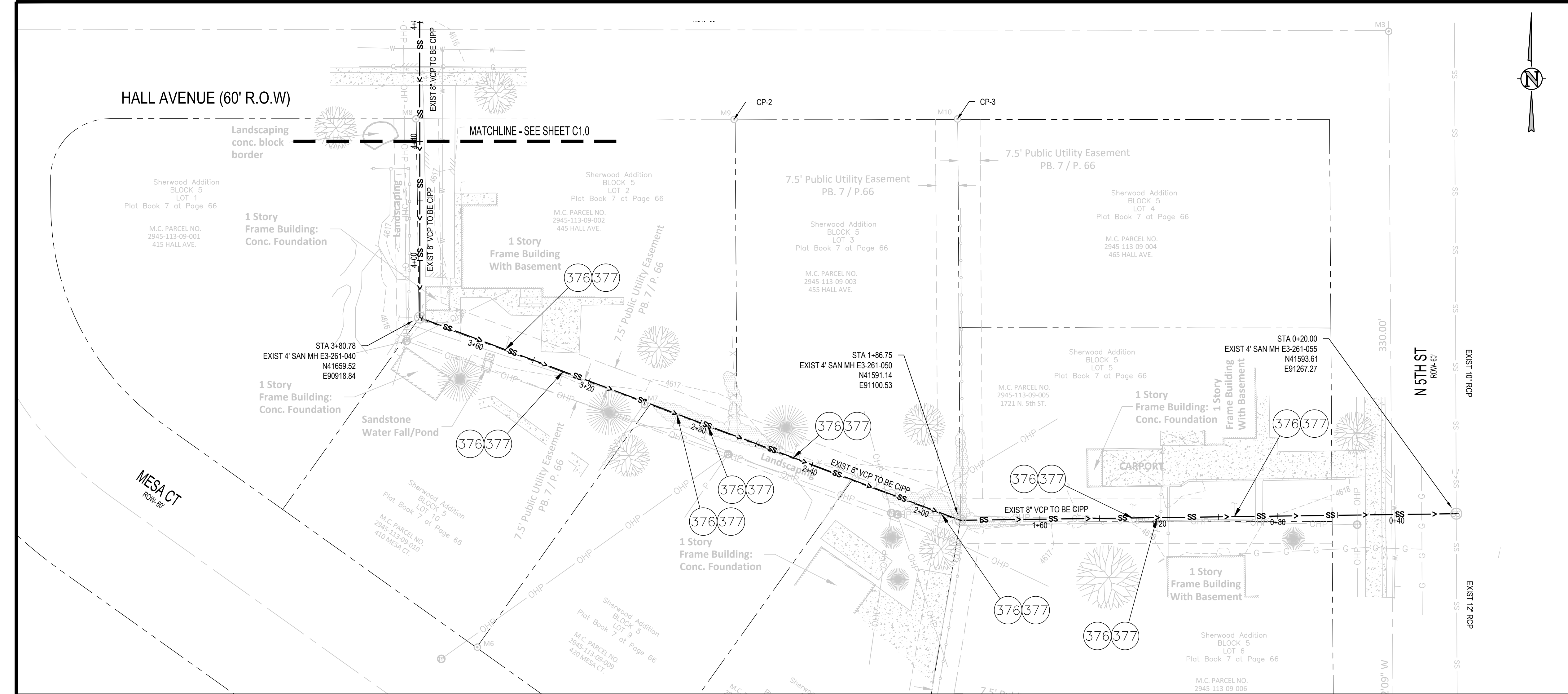
MESA COUNTY CONTROL POINT P310 - PRECISION 8-5PPM	MESA COUNTY CONTROL POINT P318 - PRECISION 8-5PPM
NORTH 28231.71 SFT (MCGVA)	NORTH 19671.32 SFT (MCGVA)
EAST 92054.57 SFT (MCGVA)	EAST 110221.18 SFT (MCGVA)
NAVD 88, G12A ELEVATION: 4631.32 SFT	NAVD 88, G12A ELEVATION: 4793.43 SFT
LATITUDE: 39° 02' 47.60643" 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
 - 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.
 - 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
- 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 DEPICTED 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> FOR MORE INFORMATION.
- 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.
- 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.
- 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





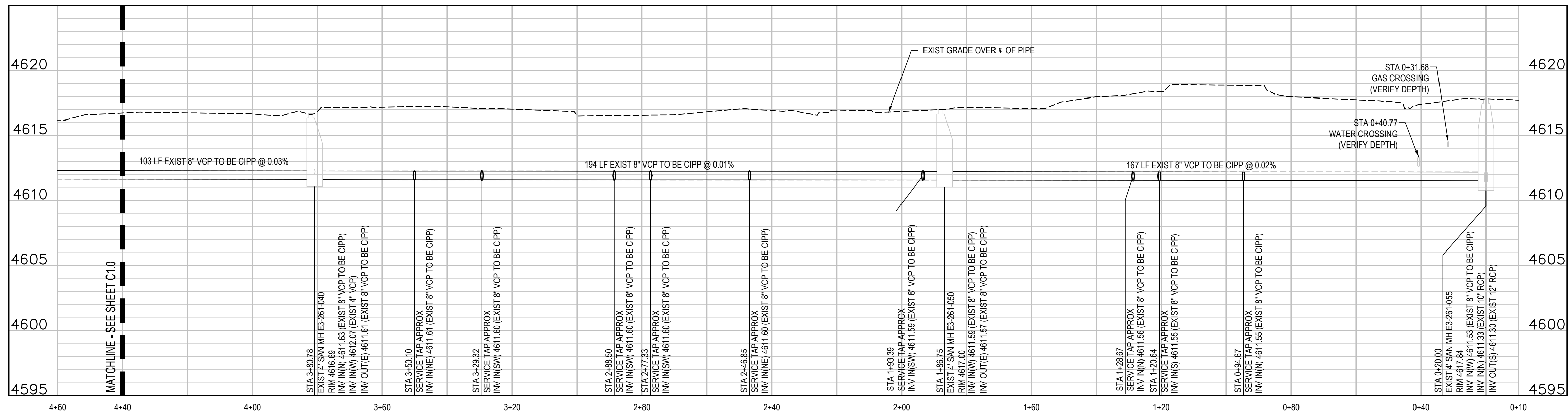
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KEY MAP
NTS

CONSTRUCTION NOTES

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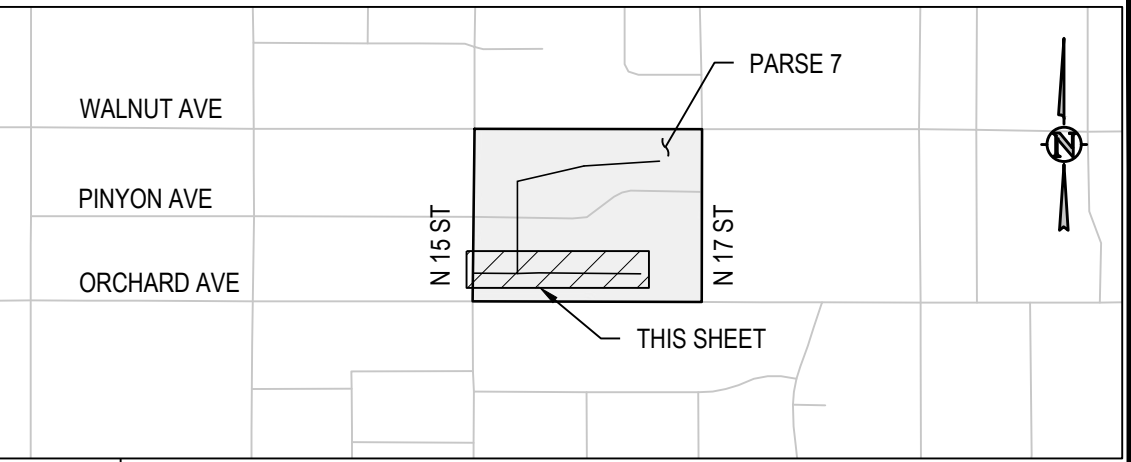
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REVISION	DESCRIPTION	DATE
1	DESIGNED BY SAA/SNG	4/25/2025
2	DESIGNED BY ZCF/AMF	4/25/2025
3	CHECKED BY AMR	4/25/2025
4	APPROVED BY	

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DESIGNED BY	DATE
CHECKED BY	DATE
APPROVED BY	DATE

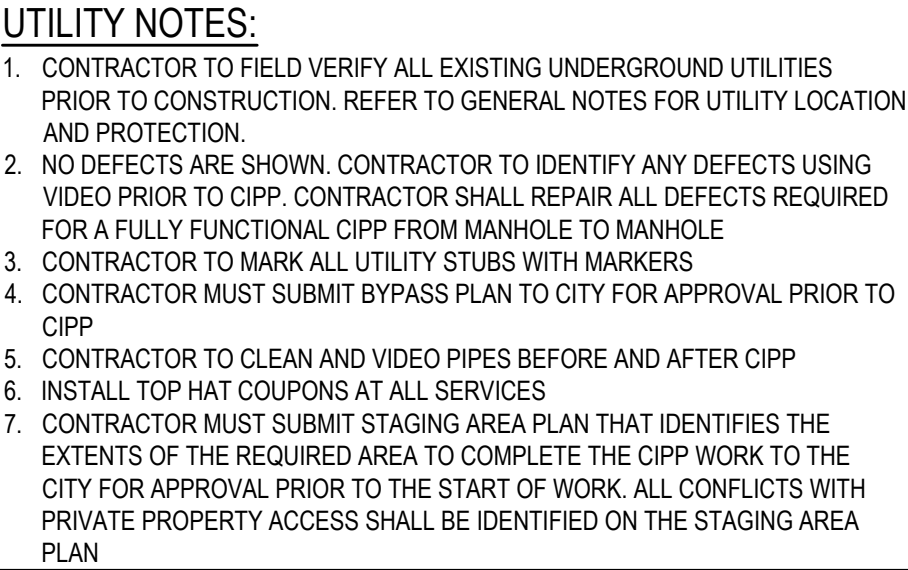
SCALES:
PLAN HORIZONTAL 1"=20'
VERTICAL 1"=5'





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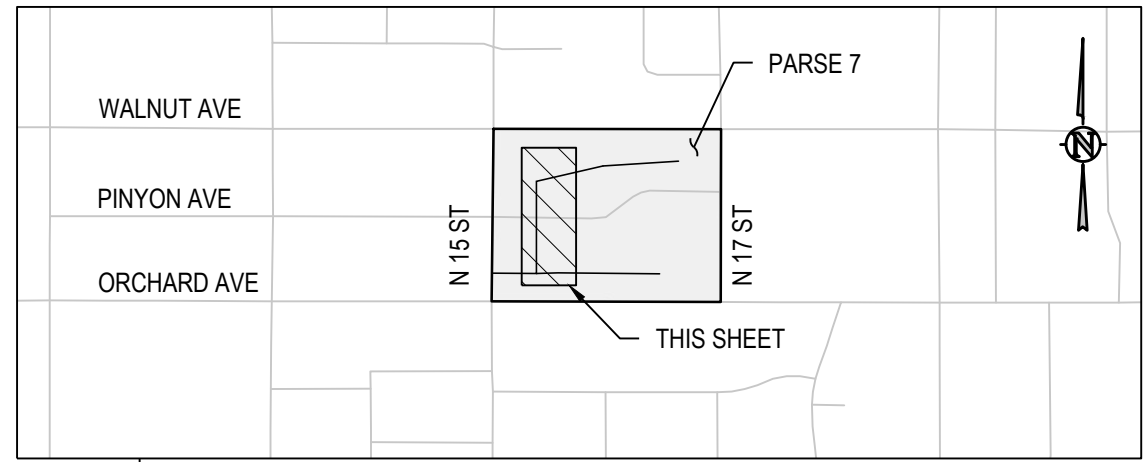
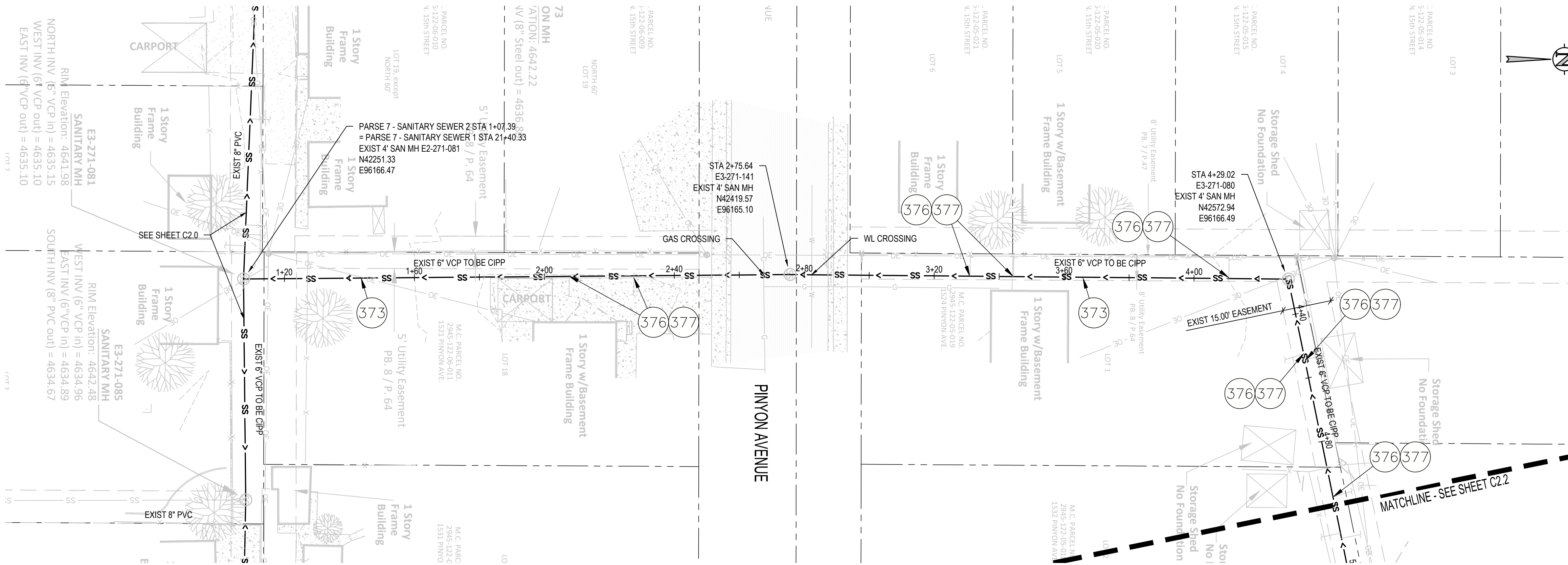


SCALES:
 PLAN
 HORIZONTAL 1"=20'
 0 20 40
 VERTICAL 1"=5'
 0 5 10



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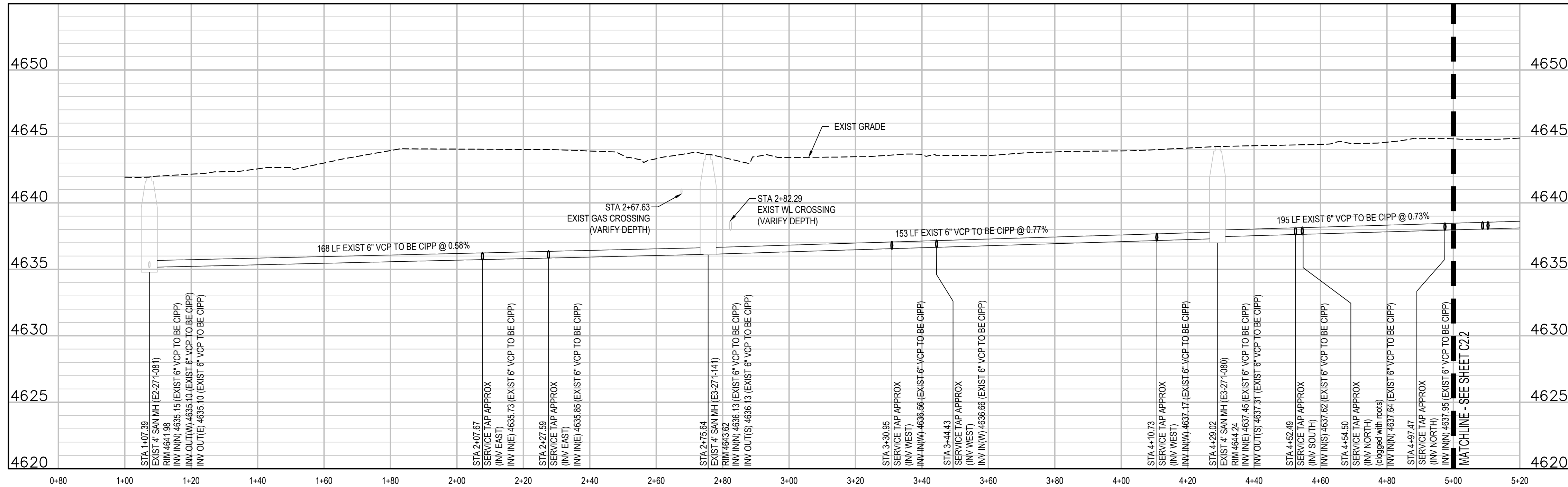
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KEY MAP
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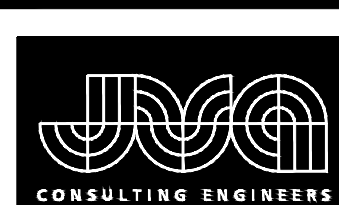
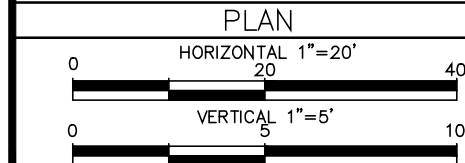
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REVISION		

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CHECKED BY AMR DATE 4/25/2025
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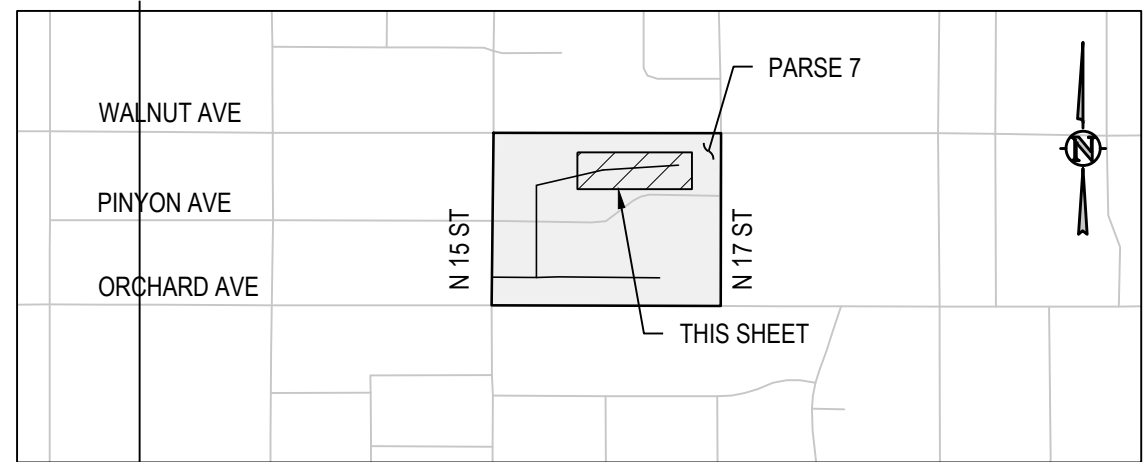
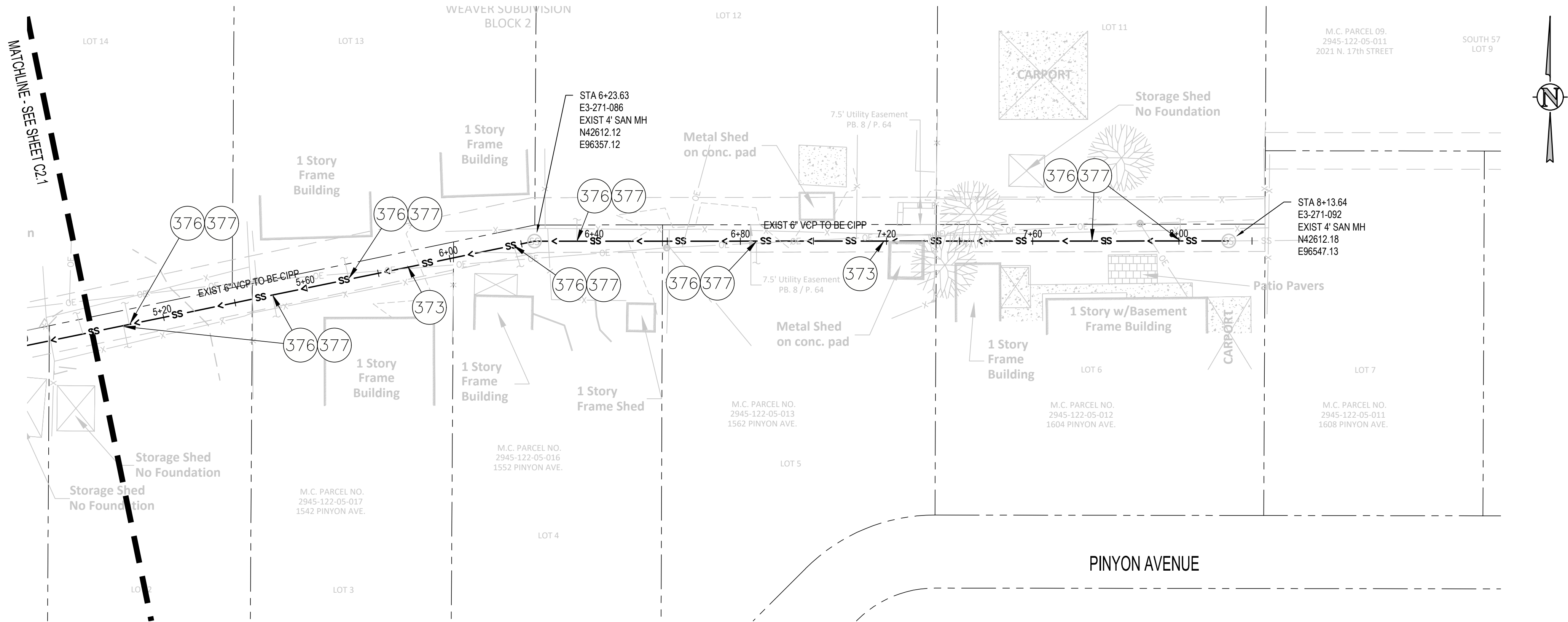
SCALES:



JVA, Inc.
817 Colorado Avenue, Suite 301
Glenwood Springs, CO 81601
970.404.3100
www.jvajva.com
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2025 CIPP
SANITARY SEWER REPLACEMENT
PARSE 7 - SANITARY PLAN & PROFILE

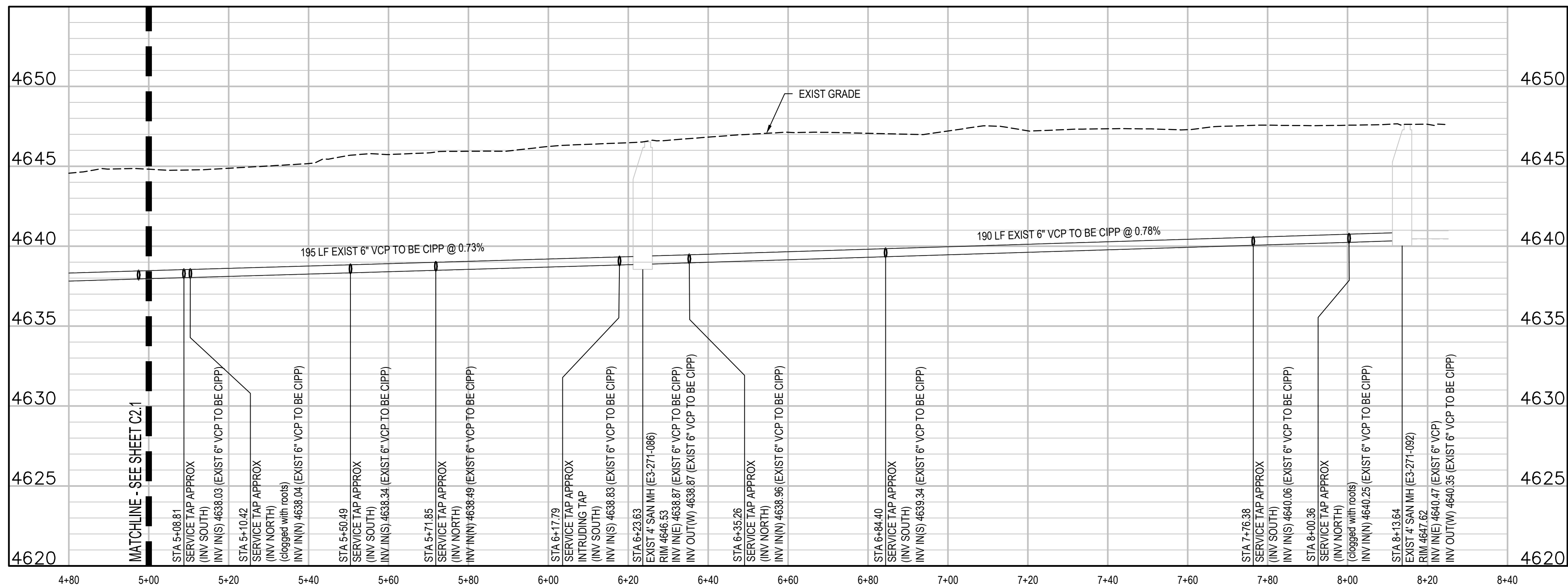
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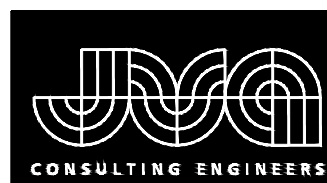
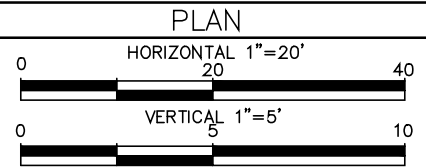
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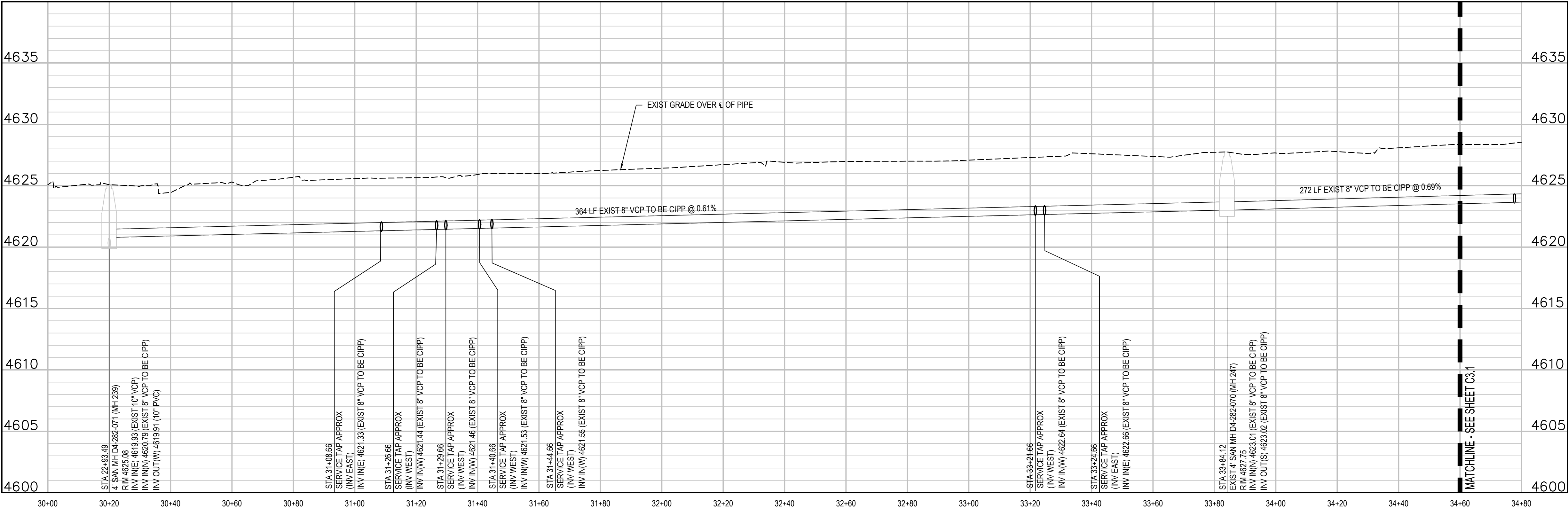
SCALES:



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Glenwood Springs, CO 81601
970.404.3100
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2025 CIPP
SANITARY SEWER REPLACEMENT
PARSE 7 – SANITARY PLAN & PROFILE

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2	DESIGNED BY ZCF/AMF	4/25/2025
3	CHECKED BY AMR	4/25/2025
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SCALES:	PLAN
	HORIZONTAL 1"=20'
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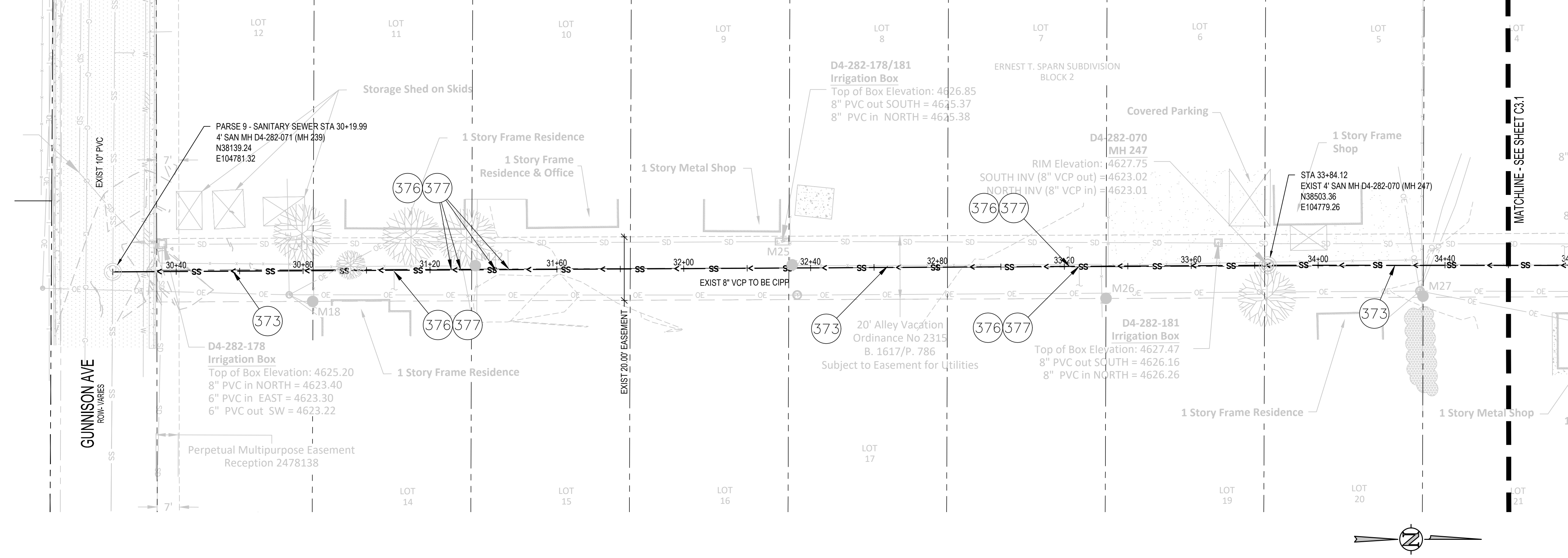
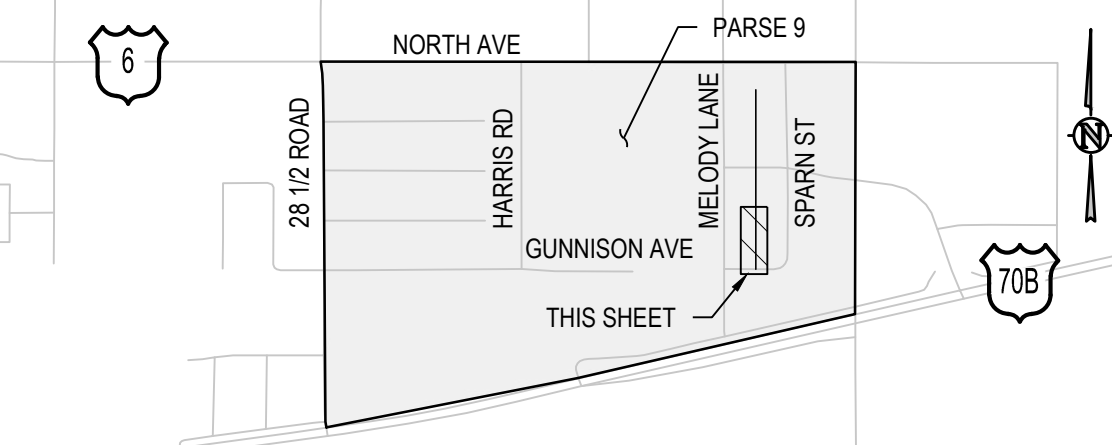
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SANITARY SEWER REPLACEMENT
PARSE 9 - SANITARY PLAN & PROFILE

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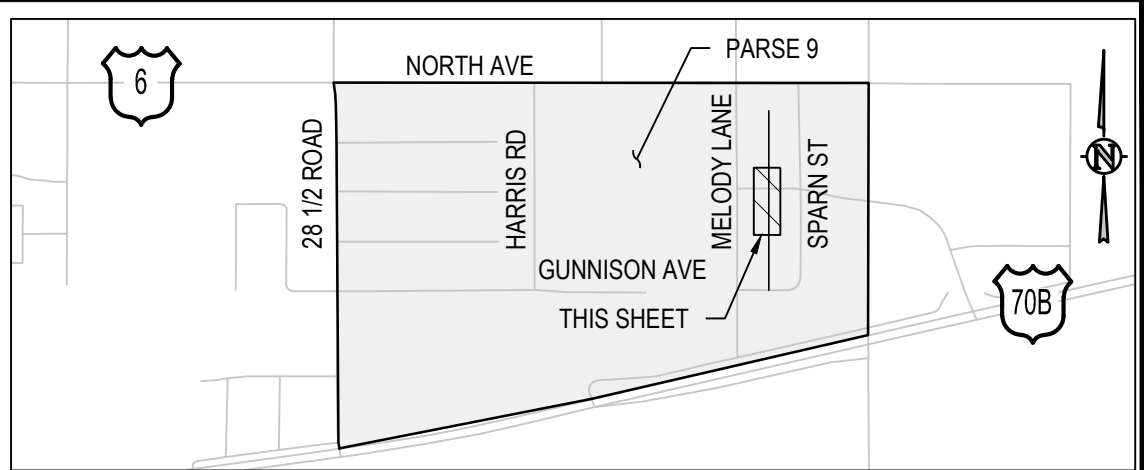
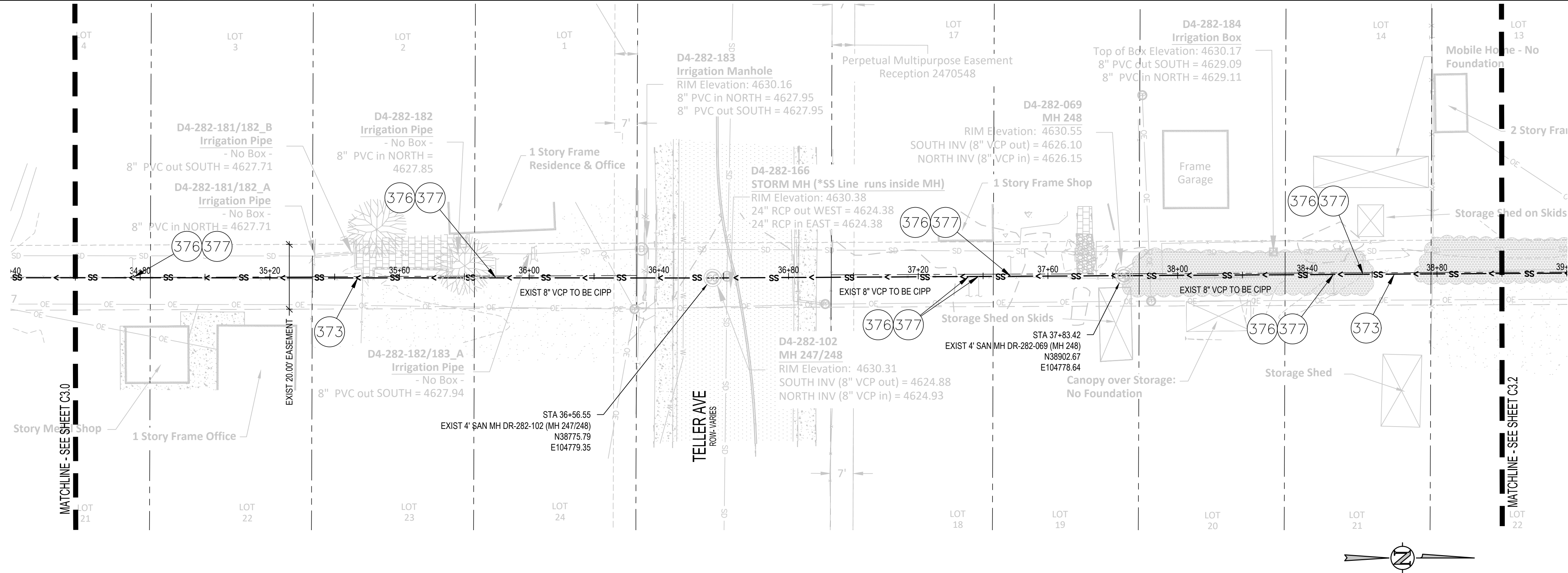
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KEY MAP
NTS



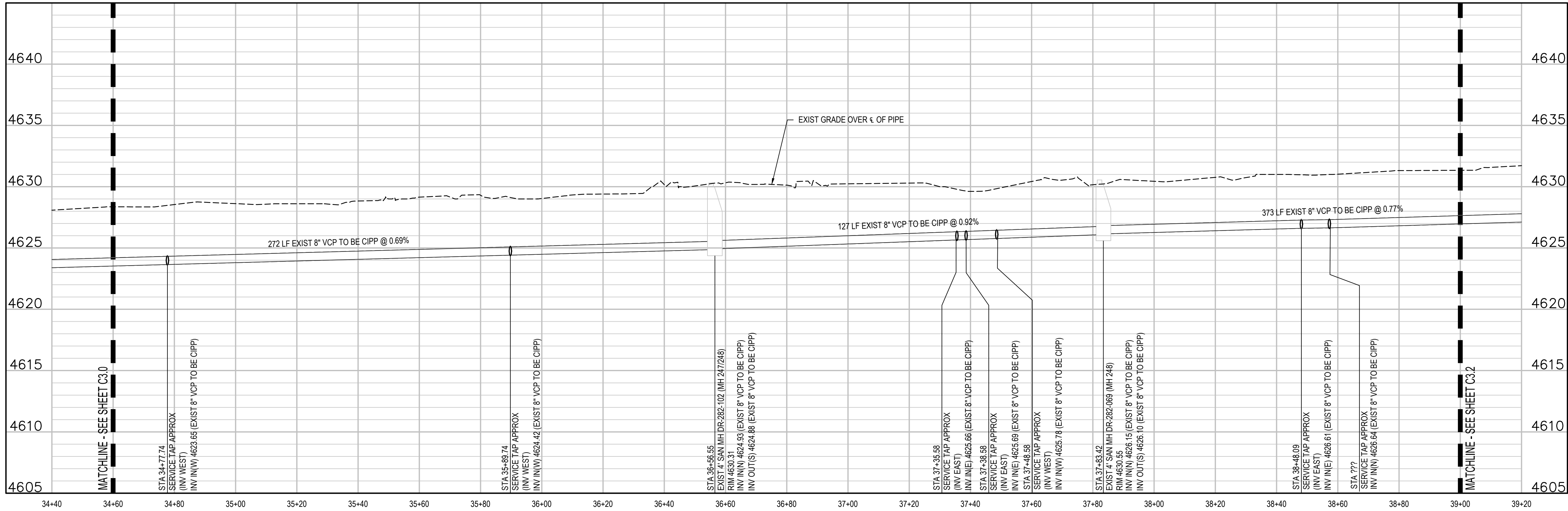
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KEY MAP
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CONSTRUCTION NOTES

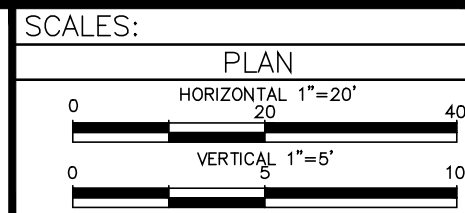
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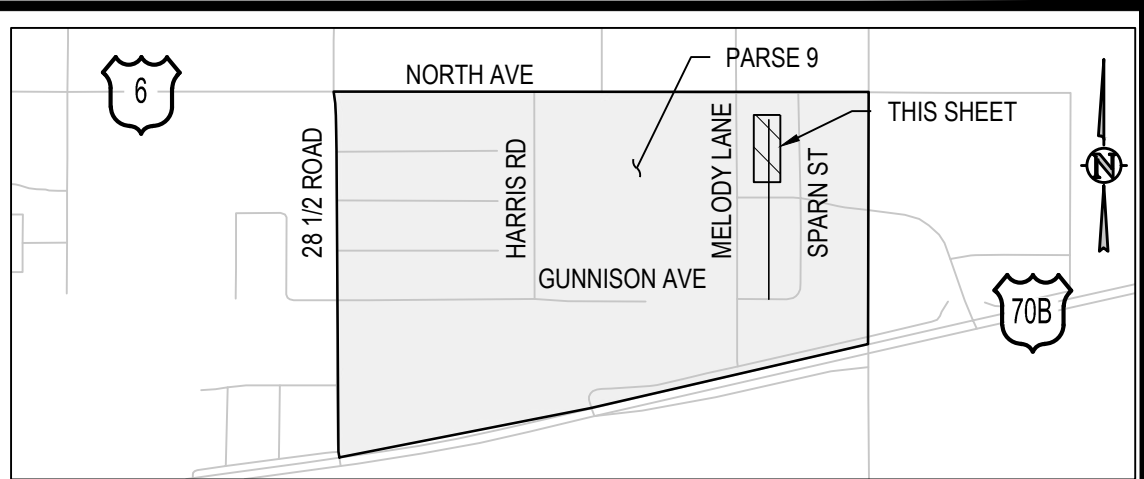
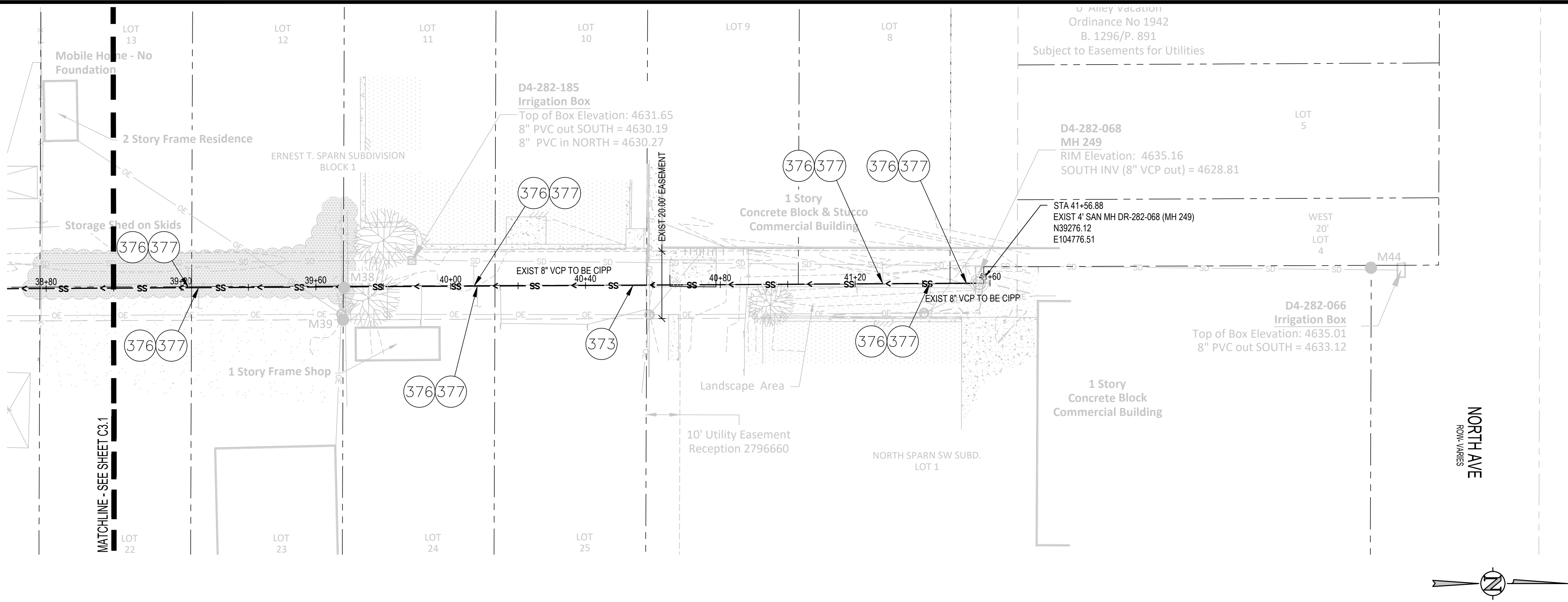
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REVISION 2		
REVISION 3		
REVISION 4		

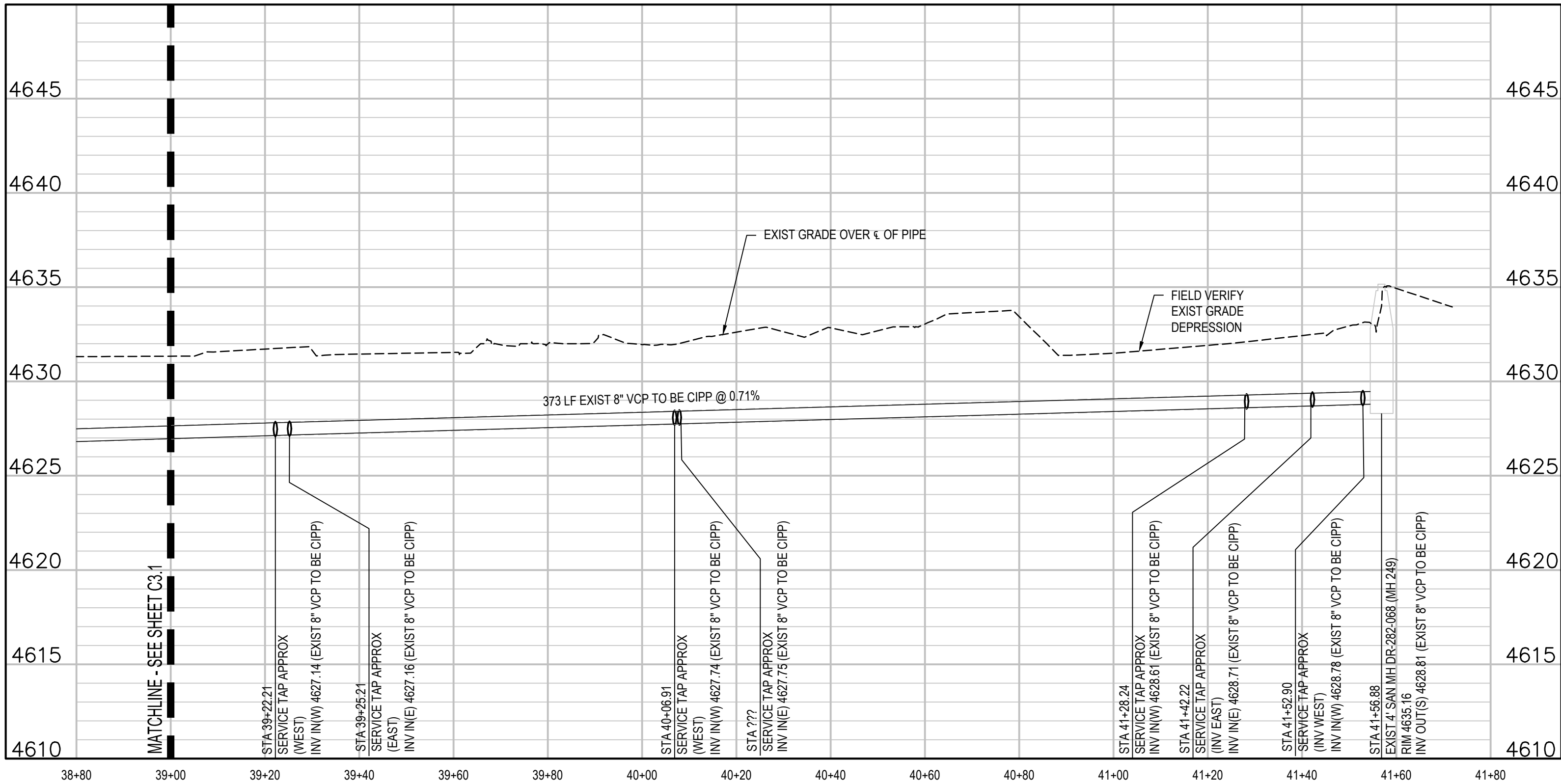
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DESIGNED BY ZCF/AMF DATE 4/25/2025
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2025 CIPP
SANITARY SEWER REPLACEMENT
PARSE 9 - SANITARY PLAN & PROFILE



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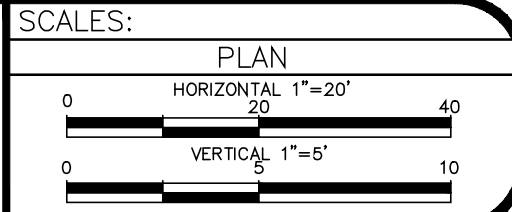


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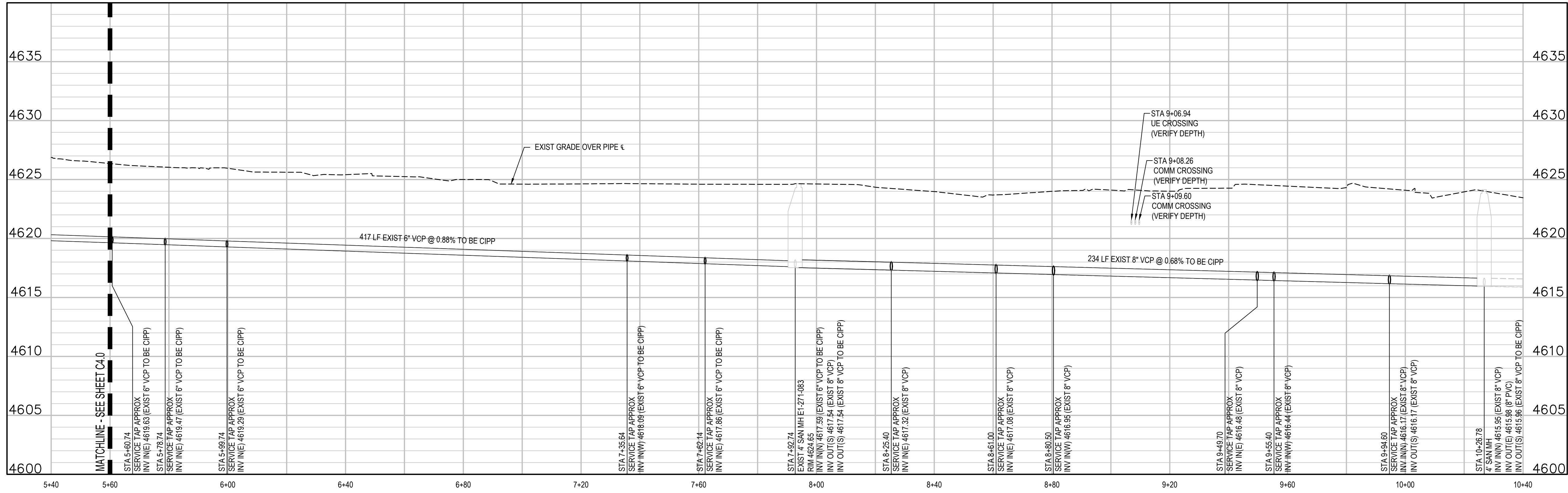
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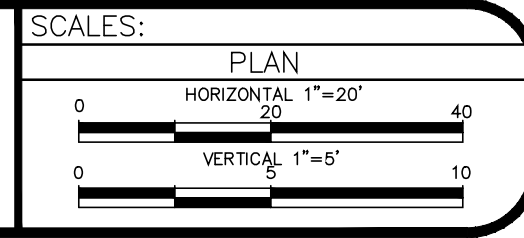
2025 CIPP
SANITARY SEWER REPLACEMENT
PARSE 9 – SANITARY PLAN & PROFILE

\\21385-ENV - 2025 CIPP Drawings\\21385-ENV - 107136-01 SAN MPV-05.dwg, 4/30/2025 - 12:30 PM, AMF

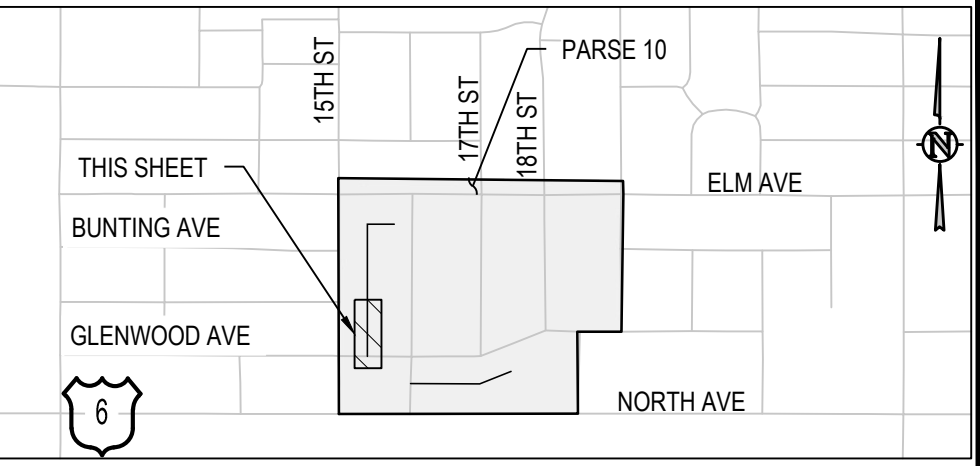


REVISION	DESCRIPTION	DATE
1	INITIAL DESIGN	4/25/2025
2	DESIGNED BY ZCF/AMF	4/25/2025
3	CHECKED BY AMR	4/25/2025
4	APPROVED BY	

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



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

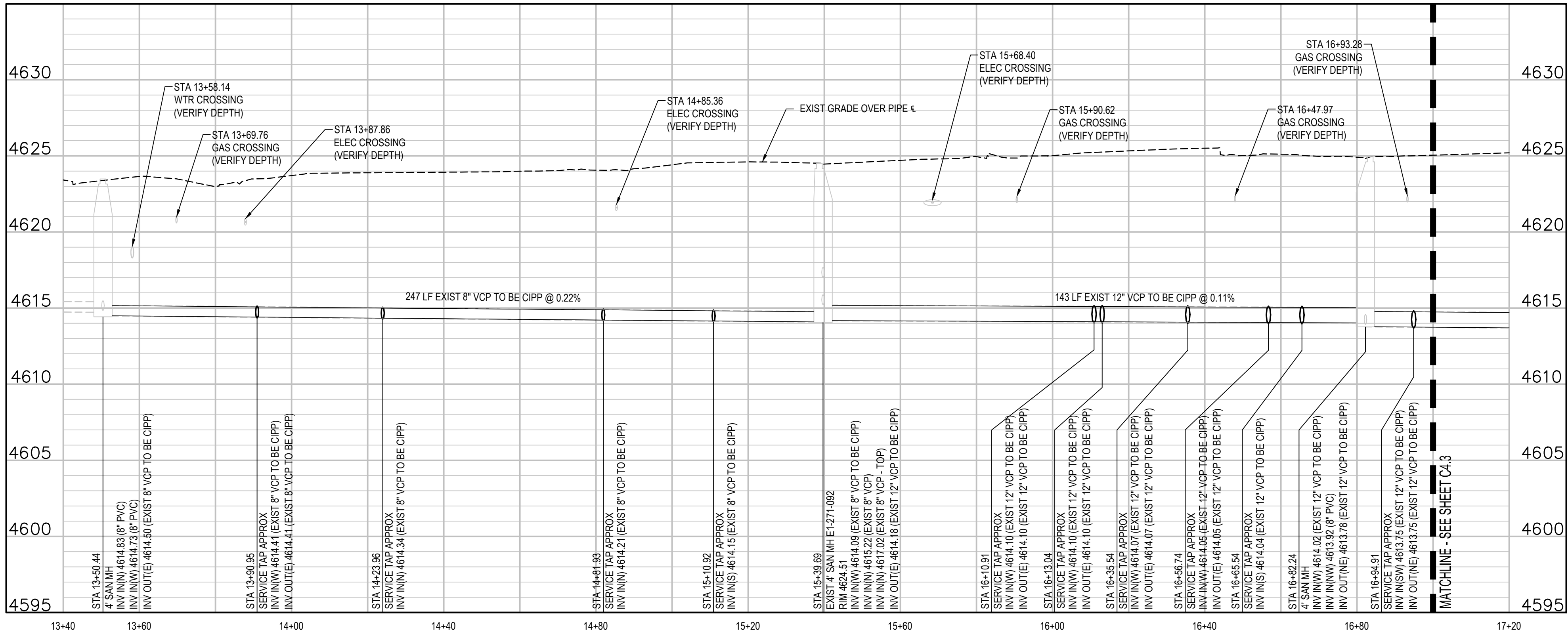


KEY MAP
NTS

- 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).
 - 377 INSTALL TOP HAT, SEE SPECIFICATIONS. CONTRACTOR SHALL VERIFY DIAMETER OF SERVICE PRIOR TO INSTALLATION OF TOP HAT.

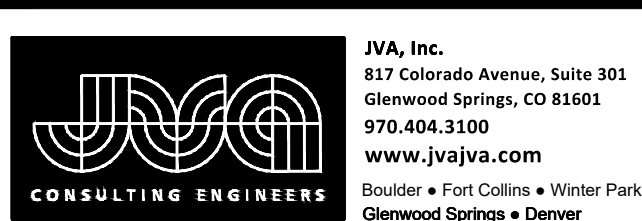
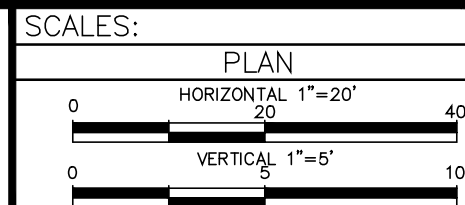
- UTILITY NOTES:**
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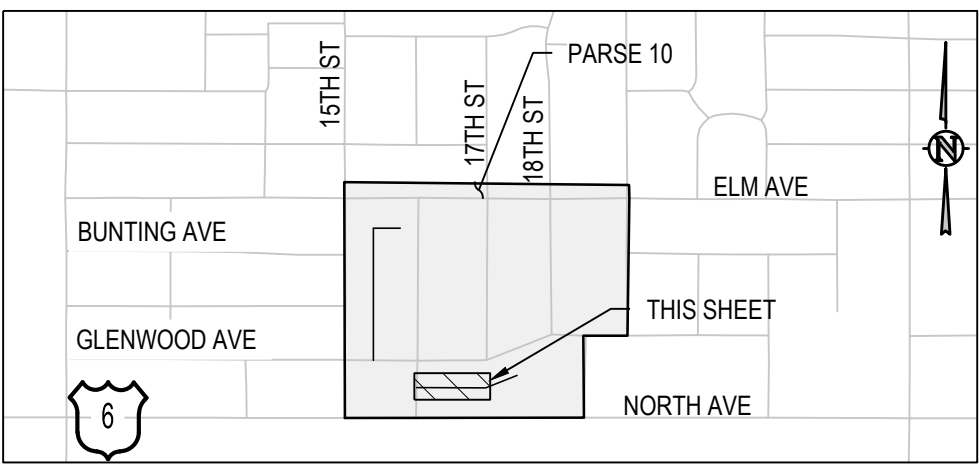


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1	DESIGNED BY SAA/SNG	4/25/2025
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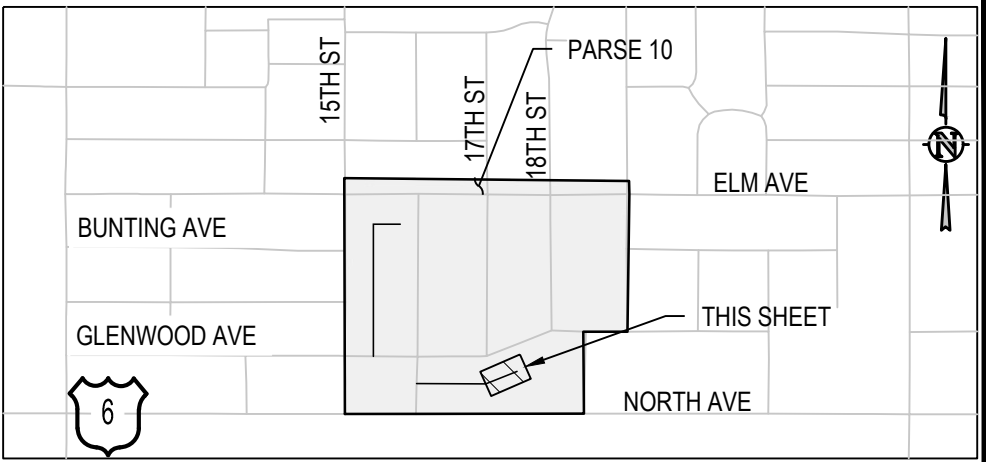
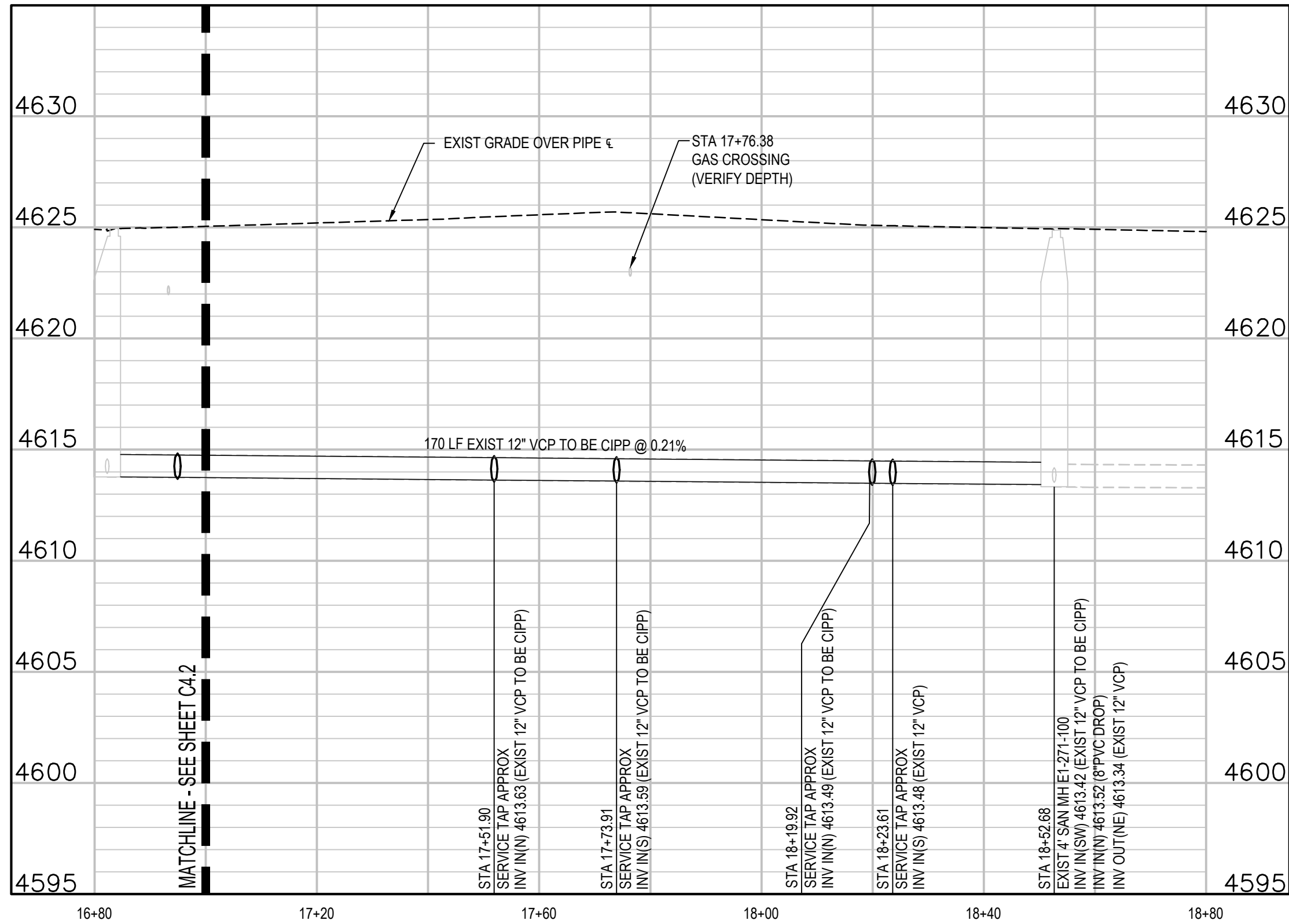
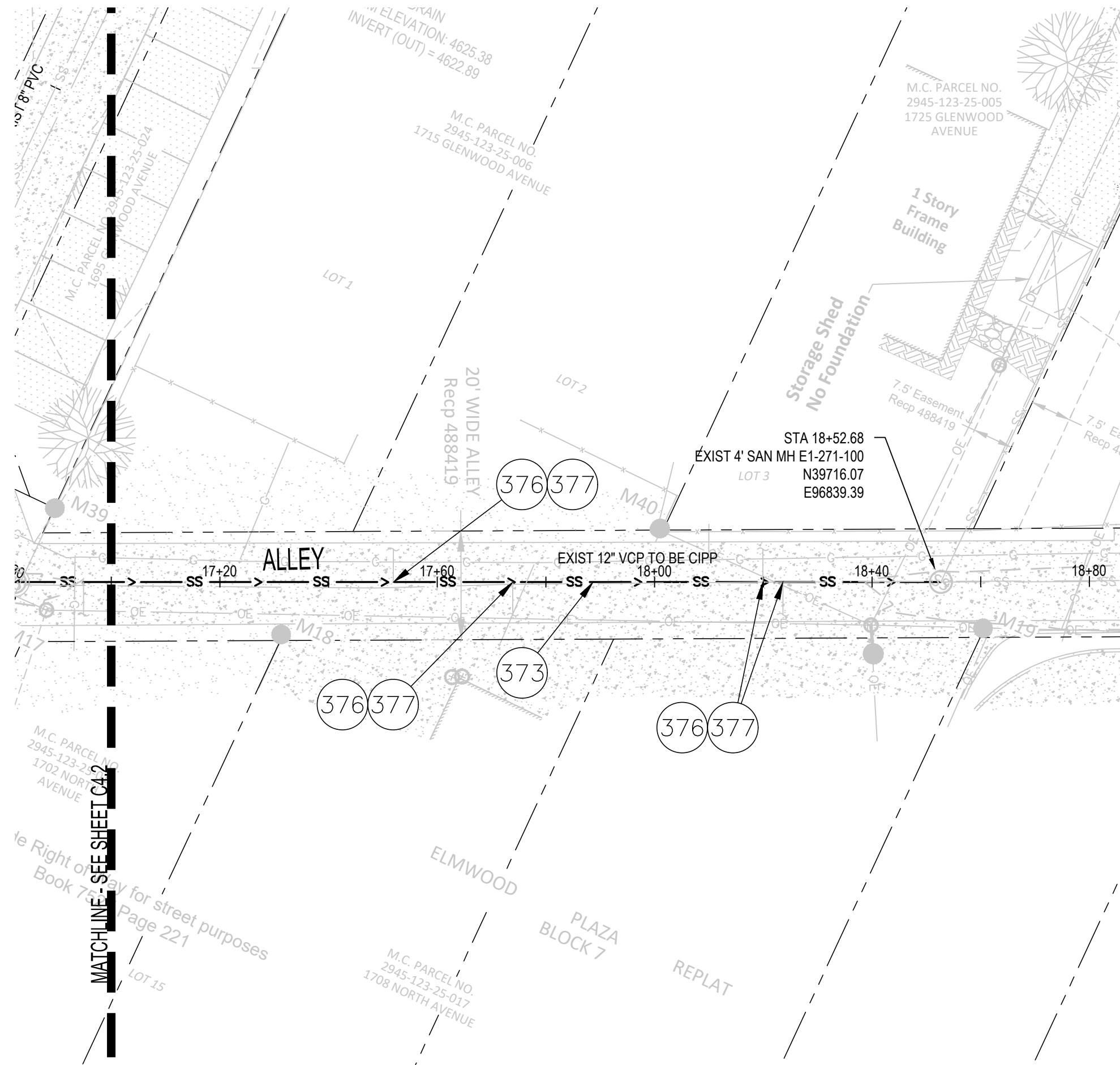
2025 CIPP
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PARSE 10 - SANITARY PLAN & PROFILE



CONSTRUCTION NOTES

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KEY MAP
NTS

CONSTRUCTION NOTES

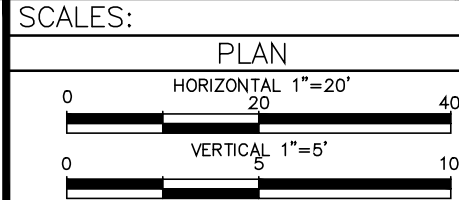
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UTILITY NOTES:

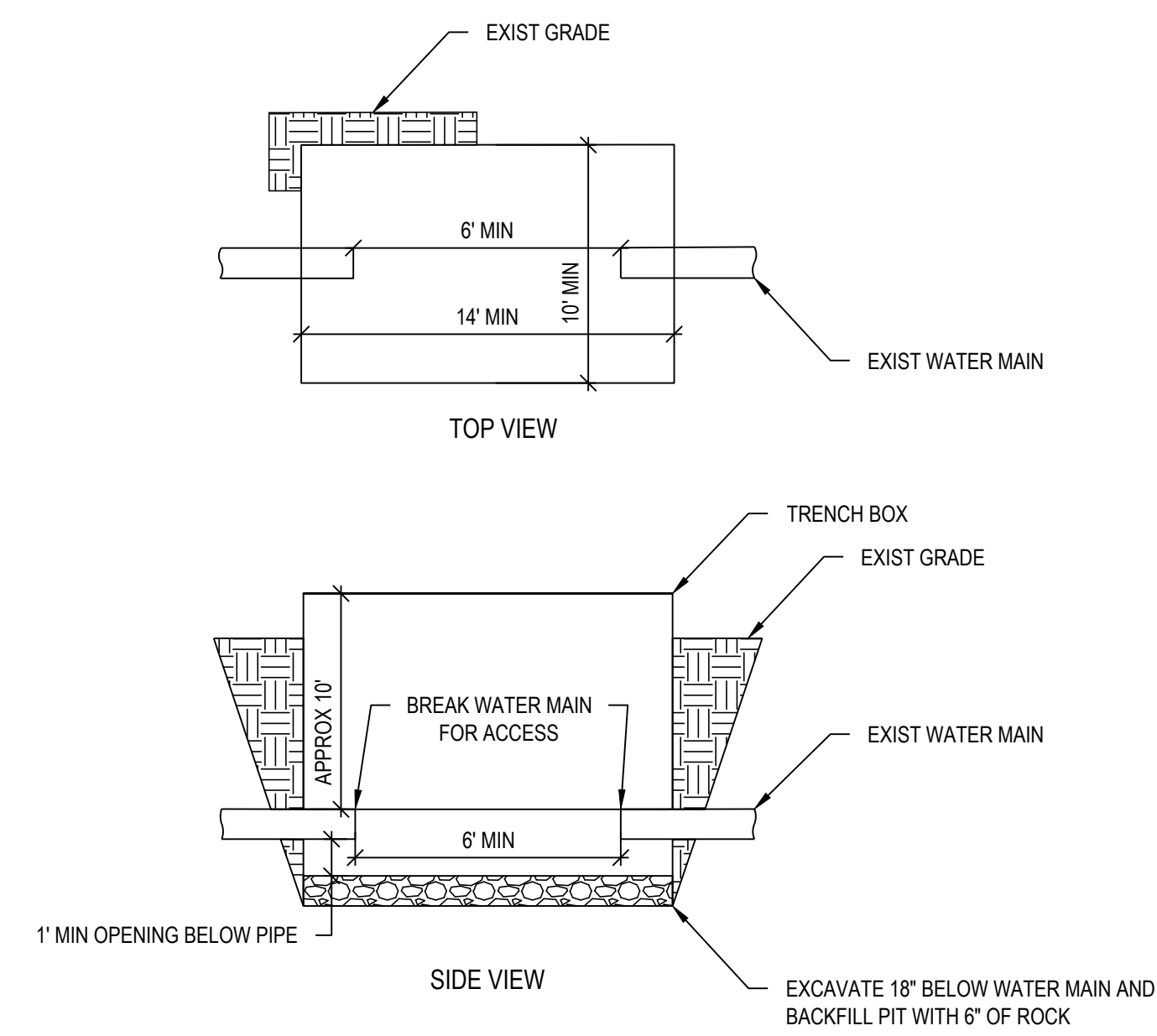
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REVISION	DESCRIPTION	DATE
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REVISION		

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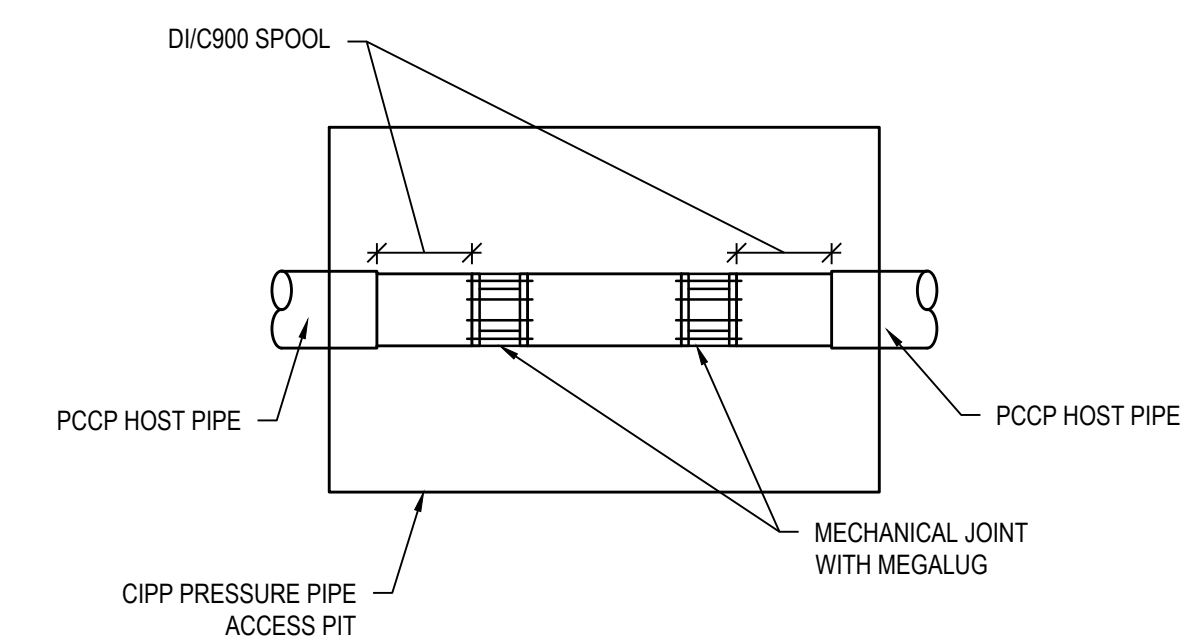


2025 CIPP
SANITARY SEWER REPLACEMENT
PARSE 10 - SANITARY PLAN & PROFILE



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.

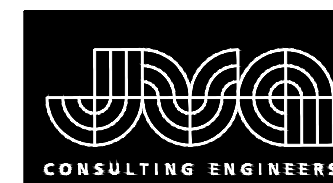
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NTS

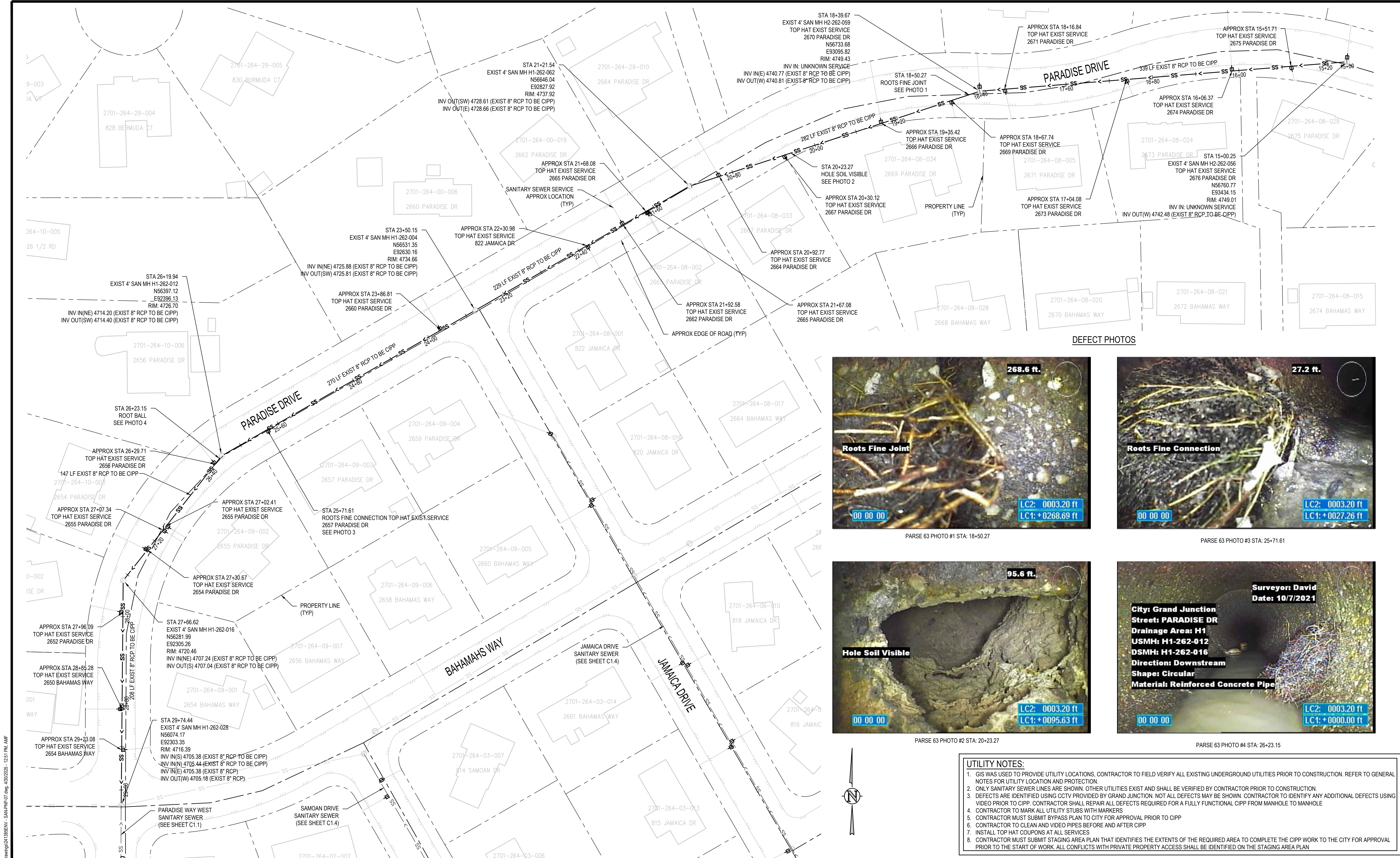
1. GIS WAS USED TO PROVIDE UTILITY LOCATIONS, CONTRACTOR TO FIELD VERIFY ALL EXISTING UNDERGROUND UTILITIES PRIOR TO CONSTRUCTION. REFER TO GENERAL NOTES FOR UTILITY LOCATION AND PROTECTION.
2. ONLY WATER LINES IN ROW ARE SHOWN. OTHER UTILITIES EXIST AND SHALL BE VERIFIED BY CONTRACTOR PRIOR TO CONSTRUCTION.
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
5. CONTRACTOR MUST SUBMIT TEMPORARY BYPASS PLAN TO CITY FOR APPROVAL PRIOR TO INSTALLING CIPP PRESSURE PIPE

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C5.0



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REVISION	DATE
1	4/25/2025
2	4/25/2025
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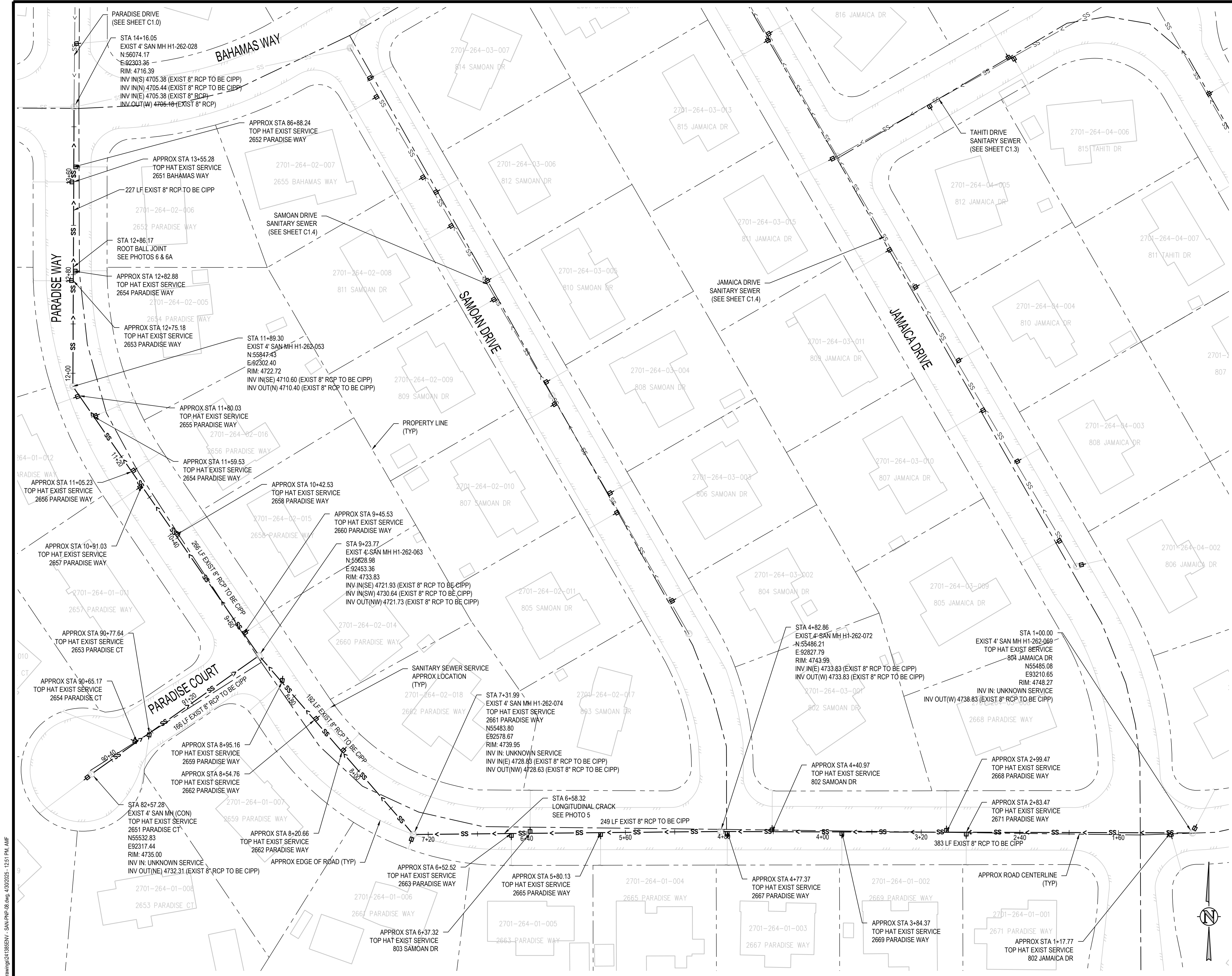
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**2025 CIPP
SANITARY SEWER REPLACEMENT**
PARSE 63 — SANITARY PLAN & PHOTOS

C6.0



DEFECT PHOTOS



PARSE 63 PHOTO #5 STA: 6+58.32



PARSE 63 PHOTO #6 STA: 12+86.15



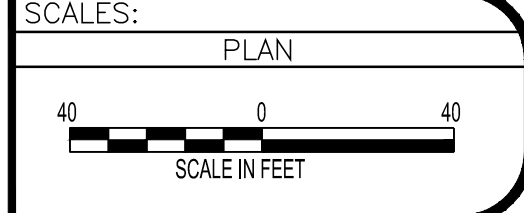
PARSE 63 PHOTO #6A STA: 12+86.15

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 SANITARY SEWER LINES ARE SHOWN. OTHER UTILITIES EXIST AND SHALL BE VERIFIED BY CONTRACTOR PRIOR TO CONSTRUCTION.
3. DEFECTS ARE IDENTIFIED USING CCTV PROVIDED BY GRAND JUNCTION. NOT ALL DEFECTS MAY BE SHOWN. CONTRACTOR TO IDENTIFY ANY ADDITIONAL DEFECTS USING VIDEO PRIOR TO CIPP. CONTRACTOR SHALL REPAIR ALL DEFECTS REQUIRED FOR A FULLY FUNCTIONAL CIPP FROM MANHOLE TO MANHOLE
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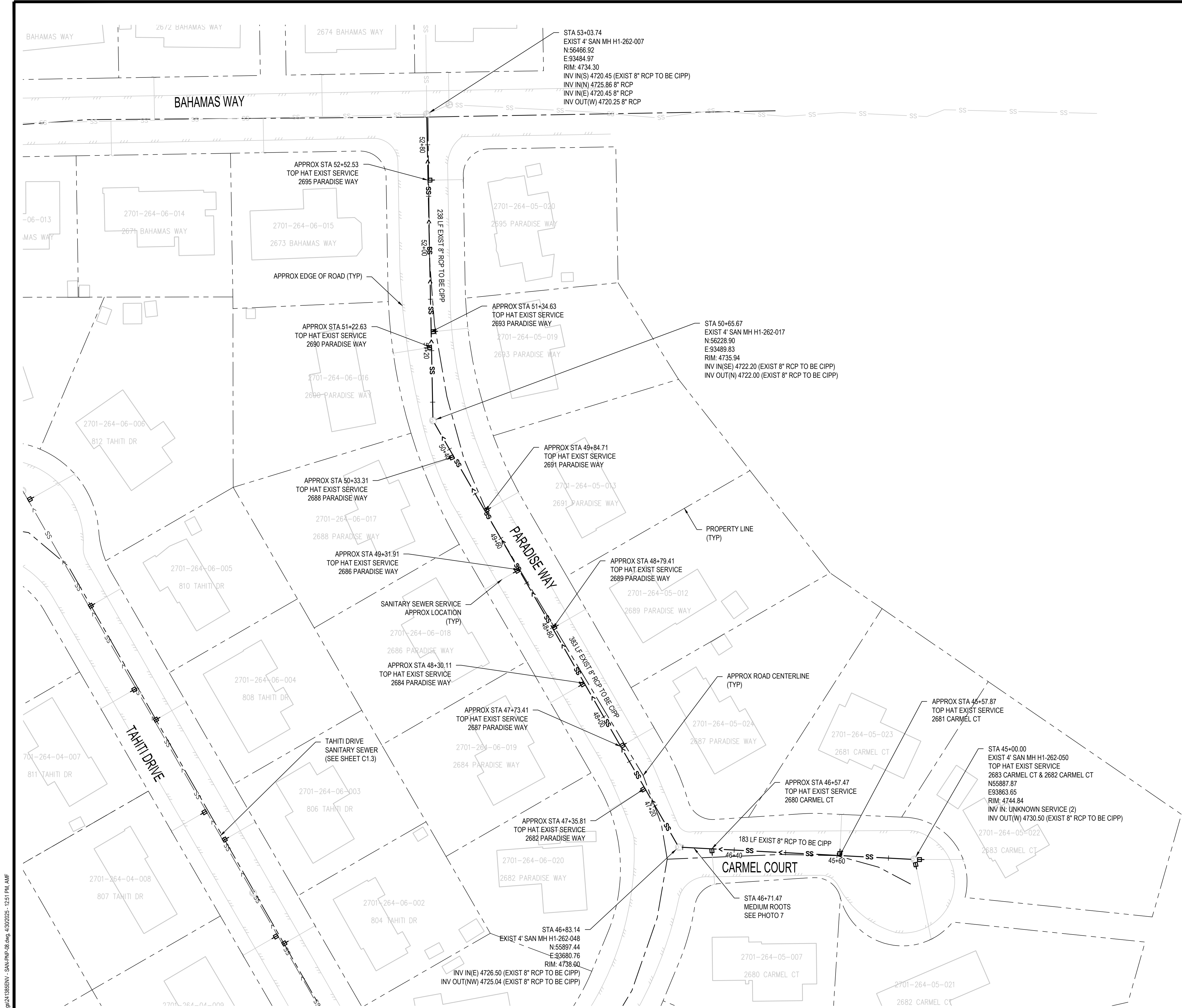
REVISION	DESCRIPTION	DATE
1	DESIGNED BY SAA/SNG	4/25/2025
2	CHECKED BY ZCF/AMF	4/25/2025
3	APPROVED BY AMR	4/25/2025
4		

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 63 – SANITARY PLAN & PHOTOS

C6.1



DEFECT PHOTOS



PARSE 63 PHOTO #7 STA: 46+71.47

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1	REVISION		SAA/SNG	4/25/2025	PLAN
2	REVISION		ZCF/AMF	4/25/2025	40' 0' 40'
3	REVISION		AMR	4/25/2025	SCALE IN FEET
4	REVISION		APPROVED BY		



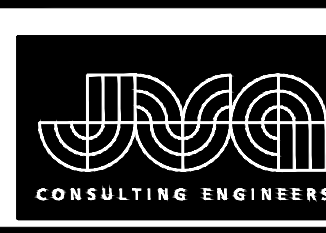
2025 CIPP
SANITARY SEWER REPLACEMENT
PARSE 63 – SANITARY PLAN & PHOTOS

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REVISION	DESCRIPTION	DATE
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REVISION B		
REVISION C		
REVISION D		

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	

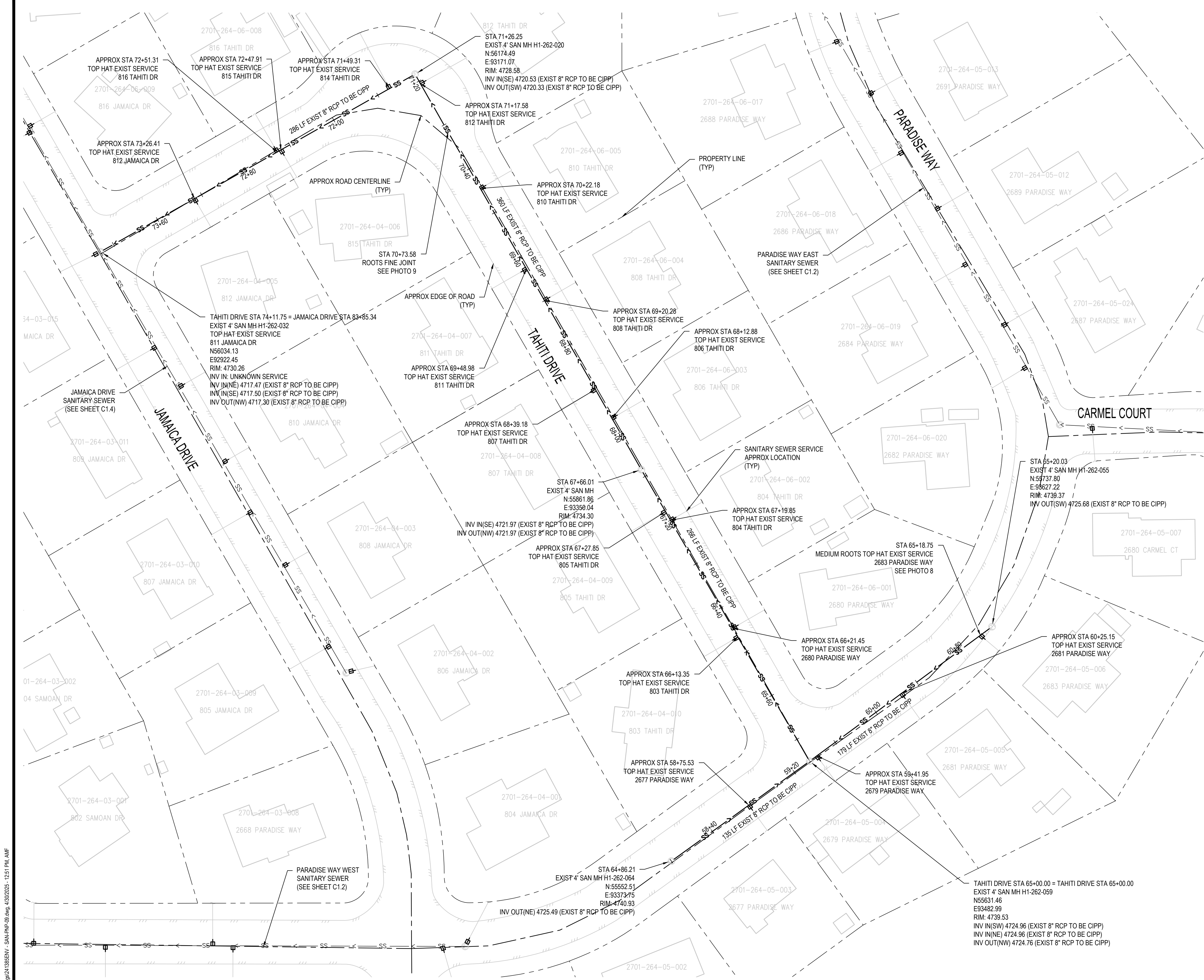
SCALES:
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40 0 40 80
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2025 CIPP SANITARY SEWER REPLACEMENT PARSE 63 - SANITARY PLAN & PHOTOS

C6.3



DEFECT PHOTOS



PARSE 63 PHOTO #8 STA: 61+02.55

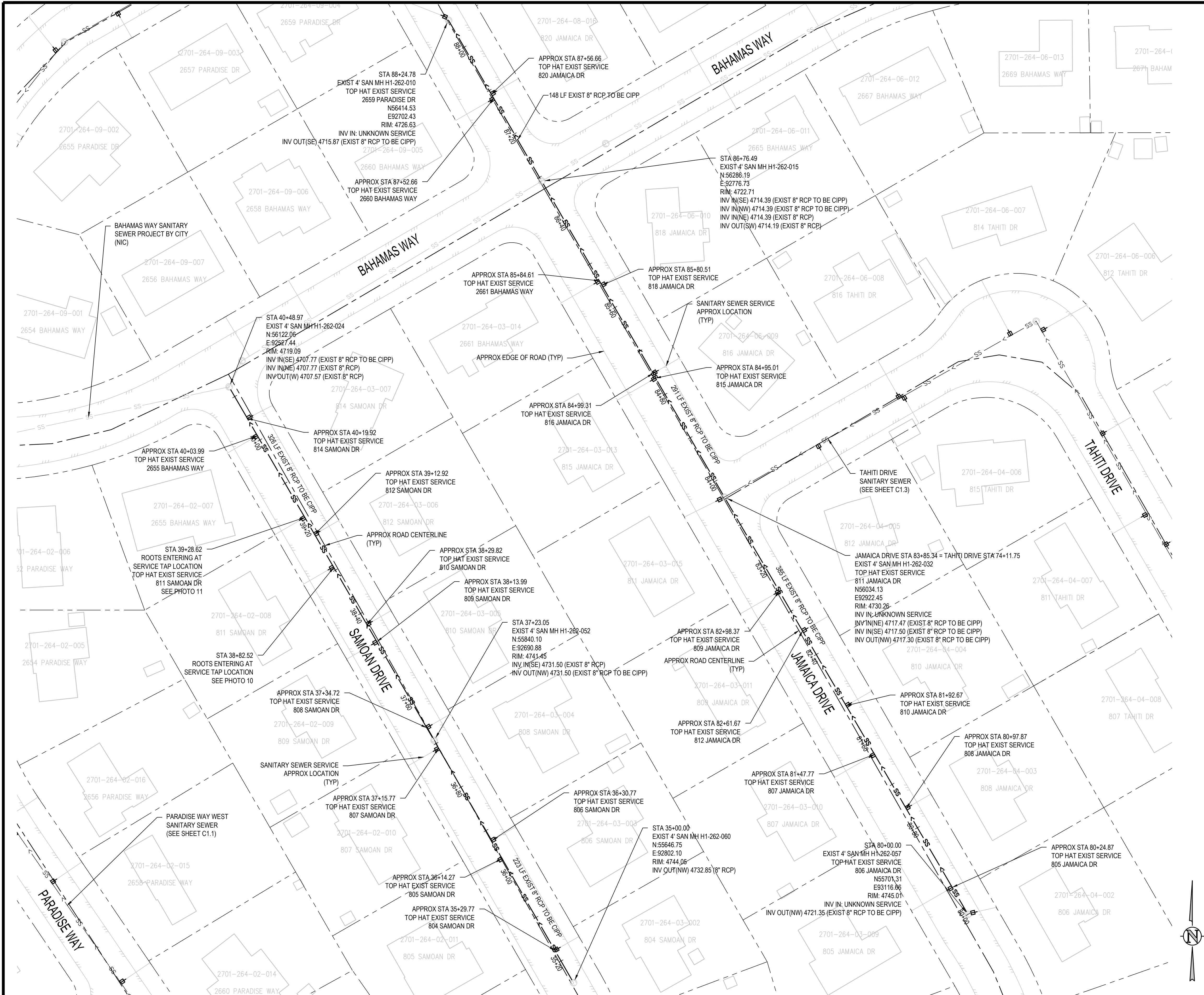


PARSE 63 PHOTO #9 STA: 70+73.58

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PARSE 63 PHOTO #10 STA: 38+82.52

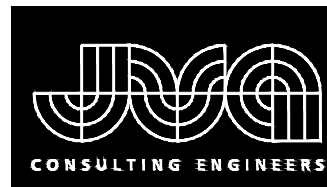
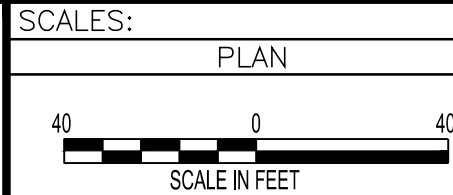


PARSE 63 PHOTO #11 STA: 39+28.62

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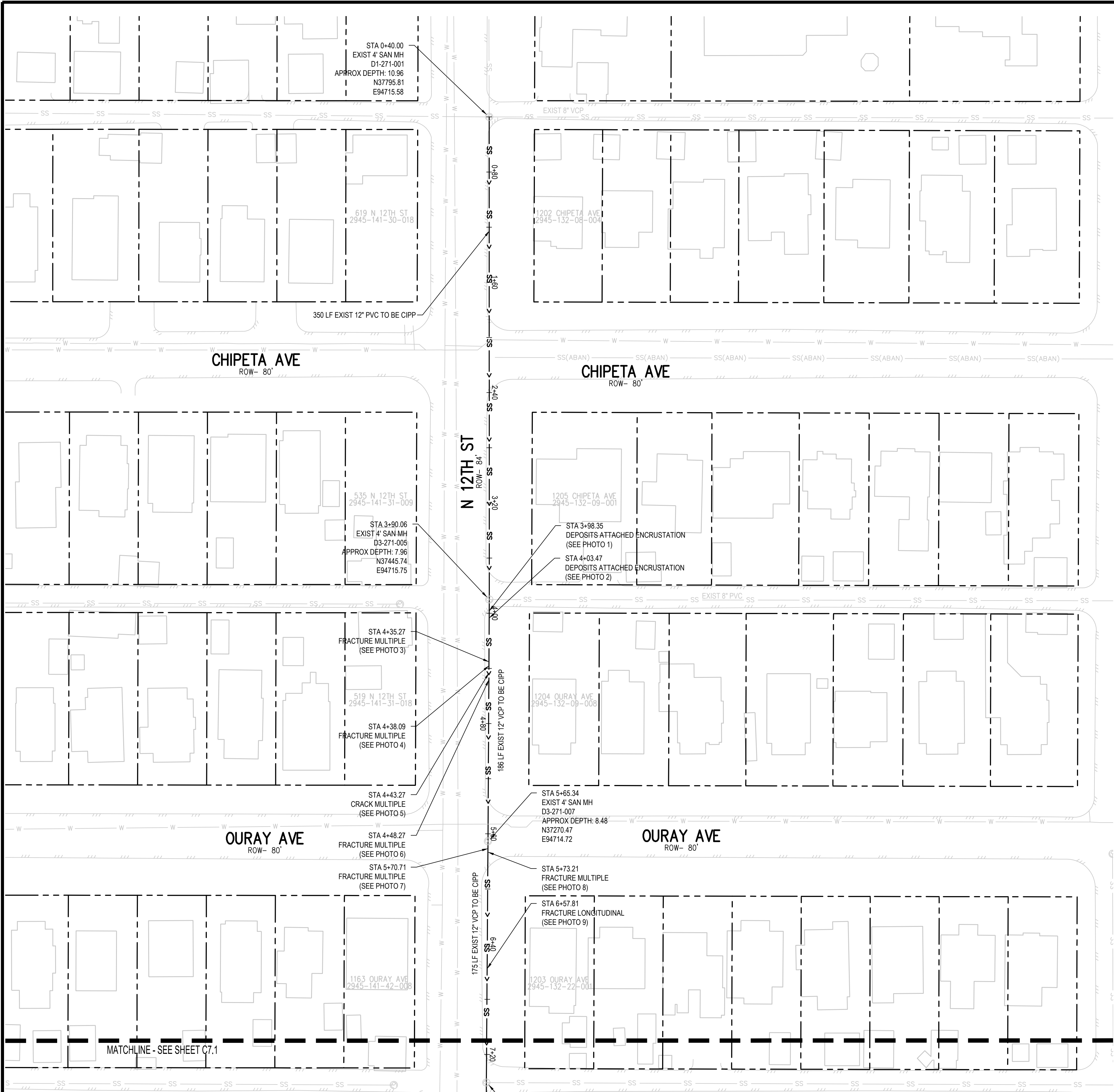
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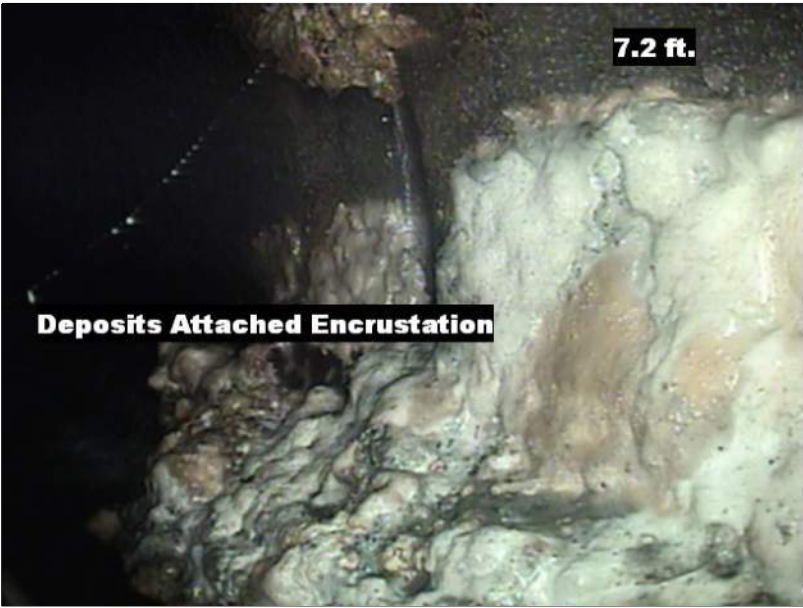


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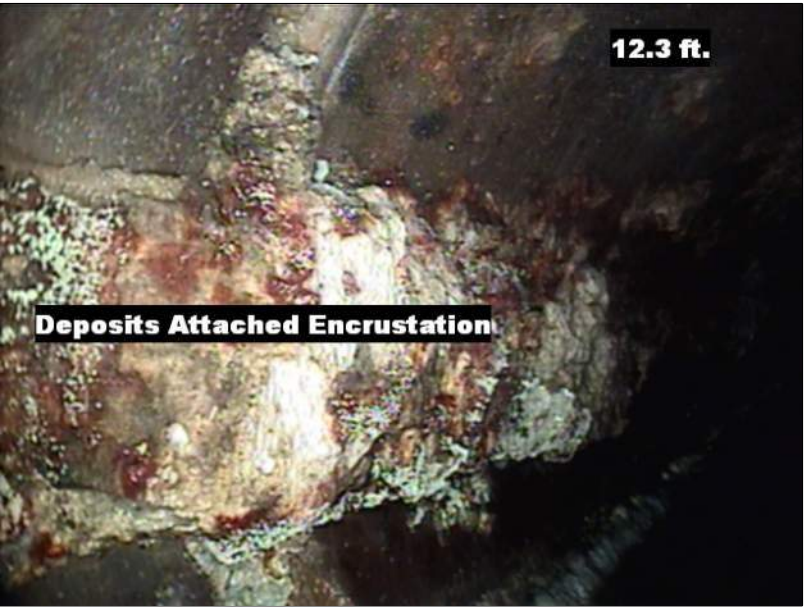
2025 CIPP
SANITARY SEWER REPLACEMENT
PARSE 63 – SANITARY PLAN & PHOTOS



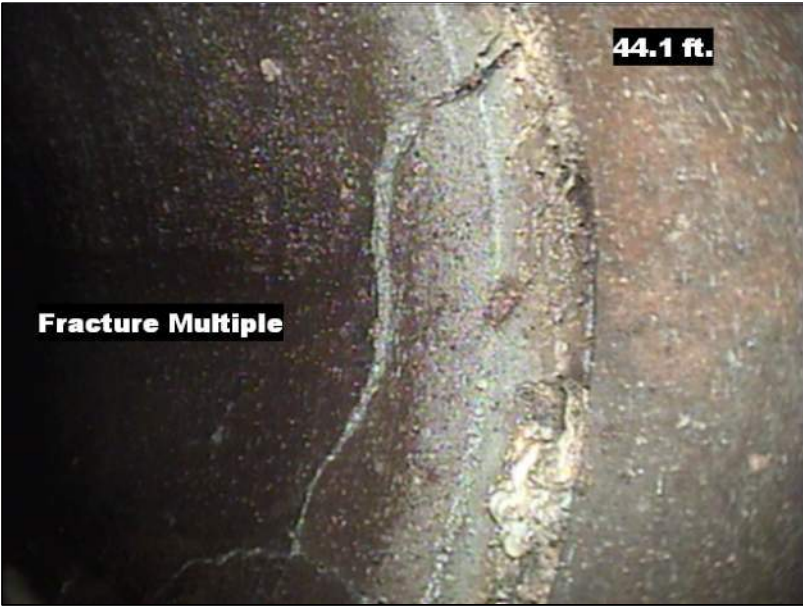
DEFECT PHOTOS



PARSE 70 PHOTO #1 STA: 3+98.36



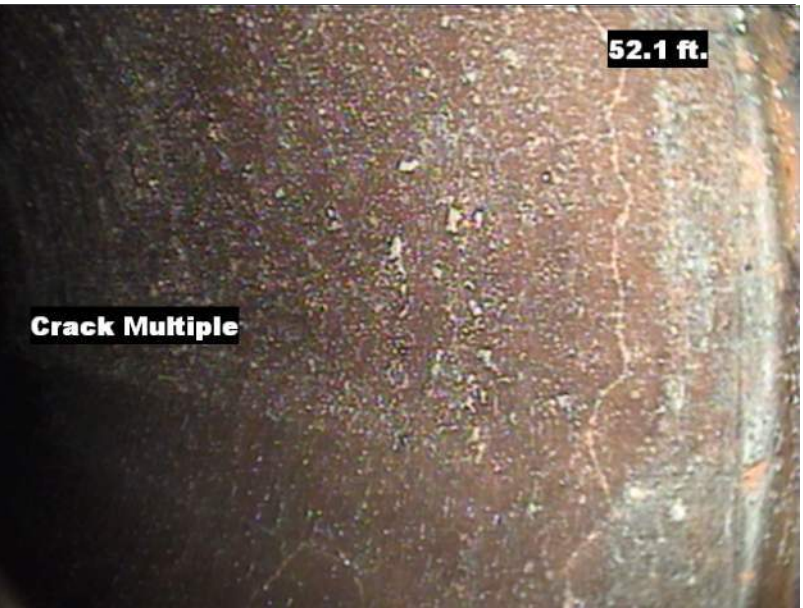
PARSE 70 PHOTO #2 STA: 4+03.47



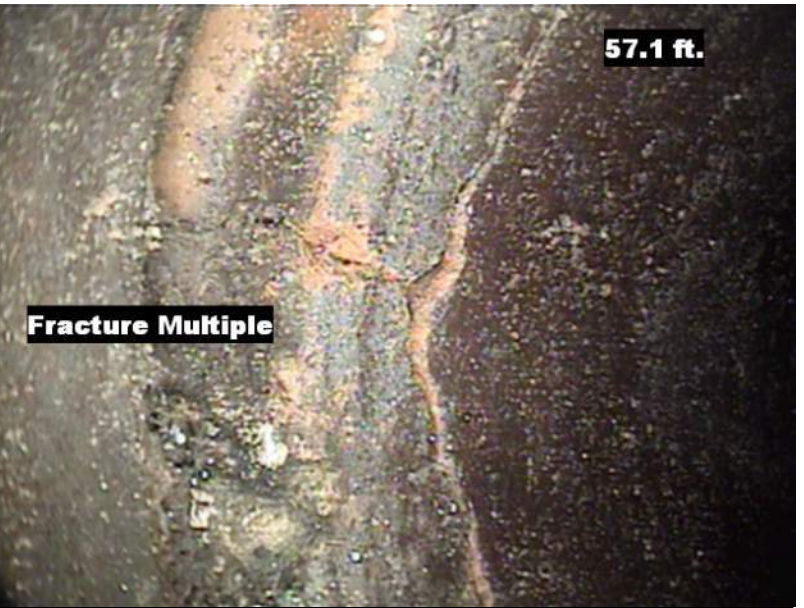
PARSE 70 PHOTO #3 STA: 4+35.27



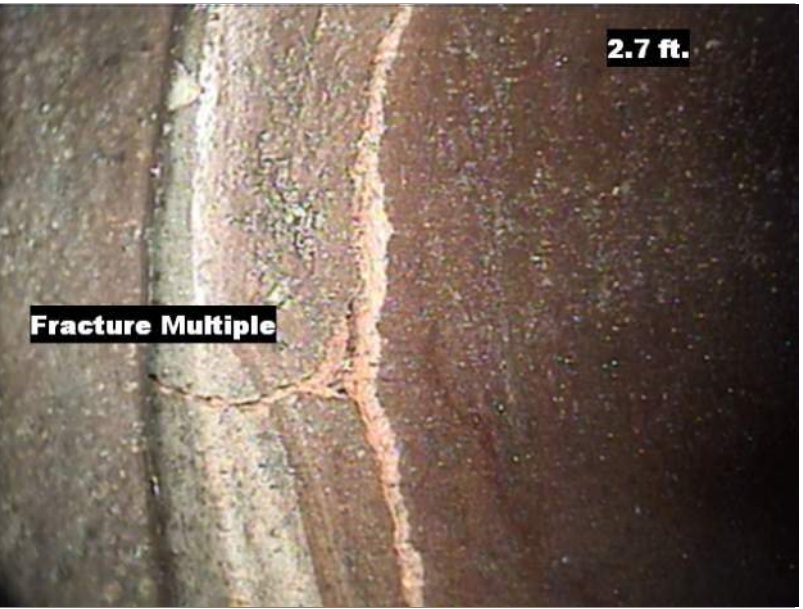
PARSE 70 PHOTO #4 STA: 4+38.09



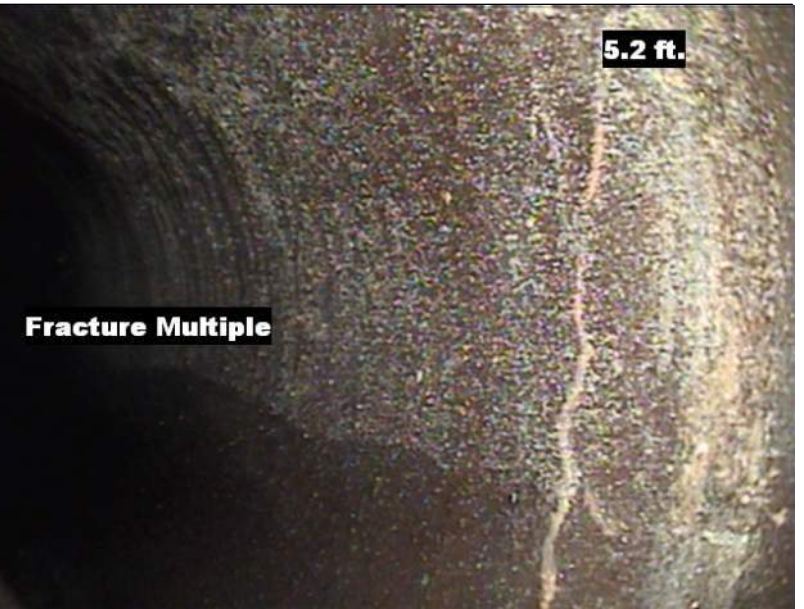
PARSE 70 PHOTO #5 STA: 4+43.27



PARSE 70 PHOTO #6 STA: 4+48.27



PARSE 70 PHOTO #7 STA: 5+70.71



PARSE 70 PHOTO #8 STA: 5+73.21



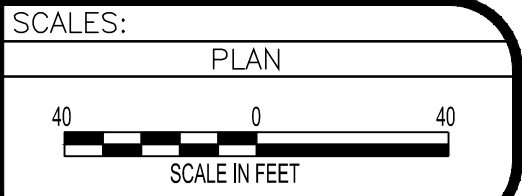
PARSE 70 PHOTO #9 STA: 6+57.81

UTILITY NOTES:

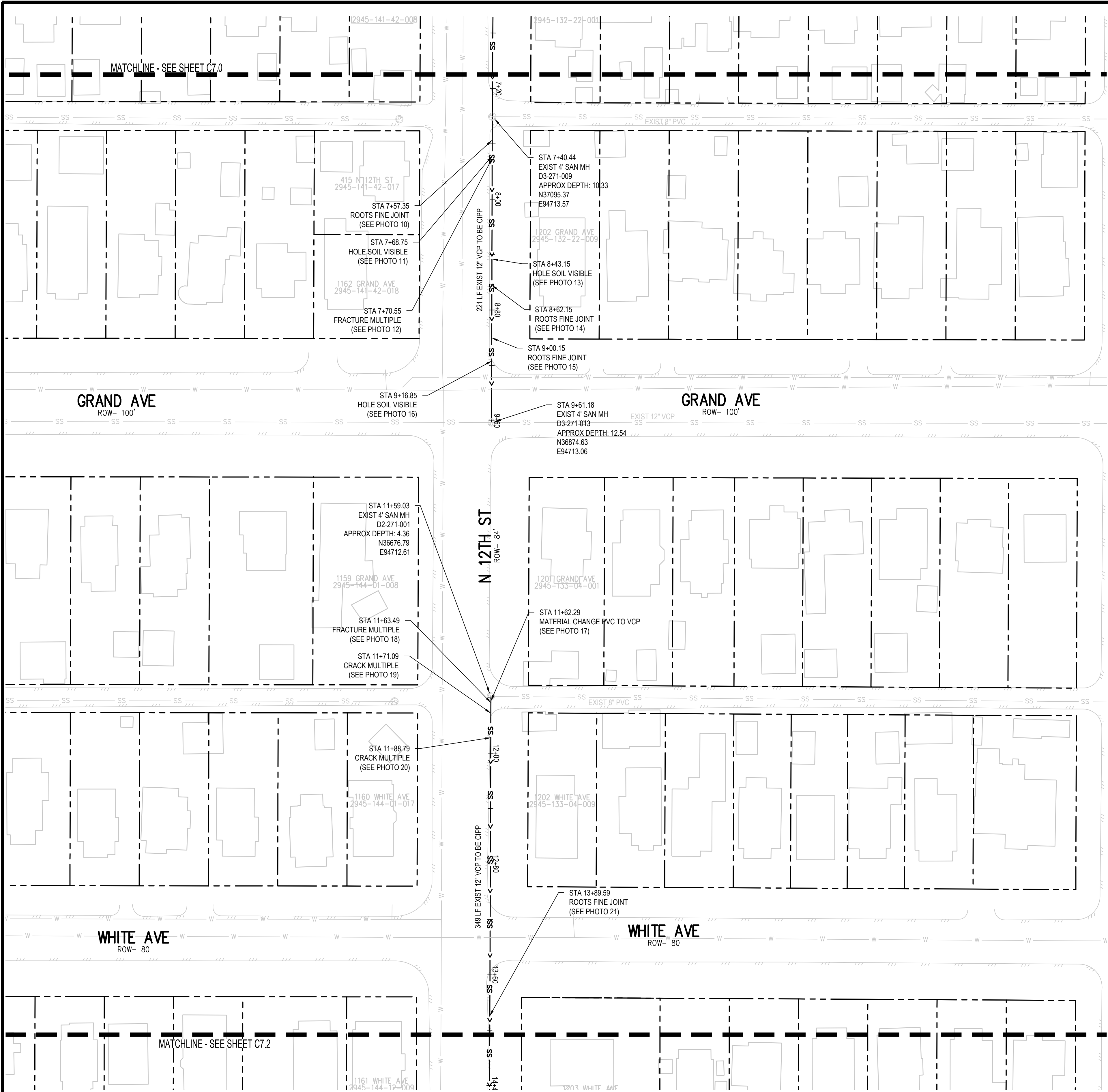
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DRAWN BY	SAA/SNG	DATE	4/25/2025
DESIGNED BY	ZCF/AMF	DATE	4/25/2025
CHECKED BY	AMR	DATE	4/25/2025
APPROVED BY		DATE	



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



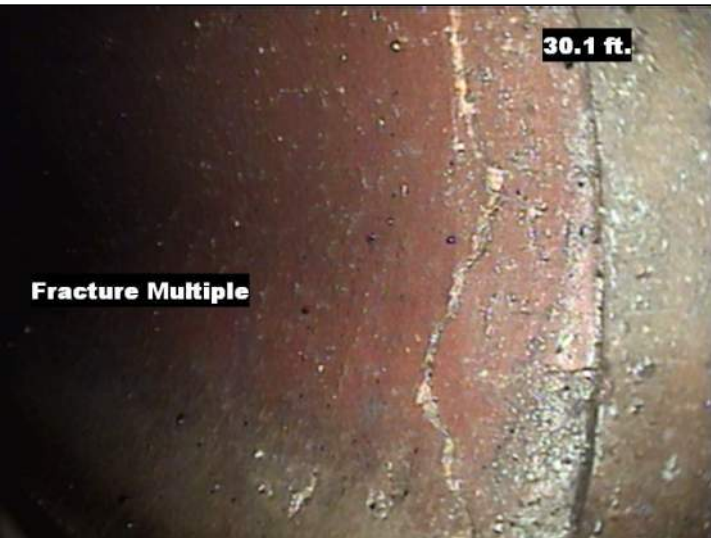
DEFECT PHOTOS



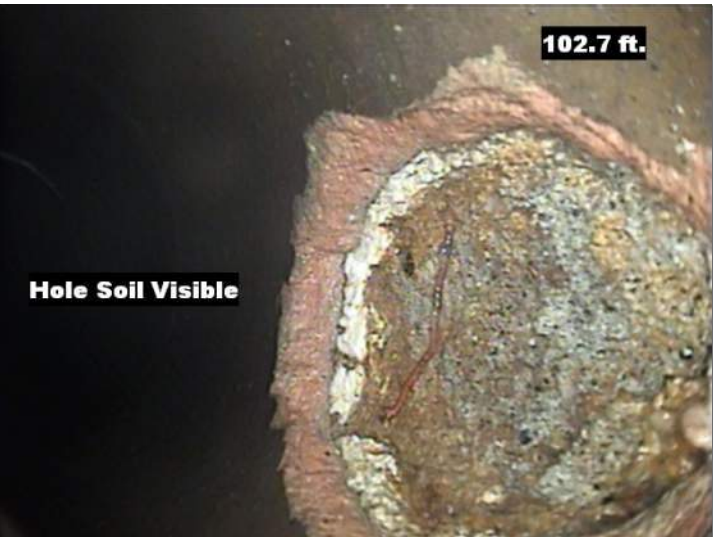
PARCE 70 PHOTO #10 STA: 7+57.35



PARCE 70 PHOTO #11 STA: 7+68.75



PARCE 70 PHOTO #12 STA: 7+70.55



PARCE 70 PHOTO #13 STA: 8+43.15



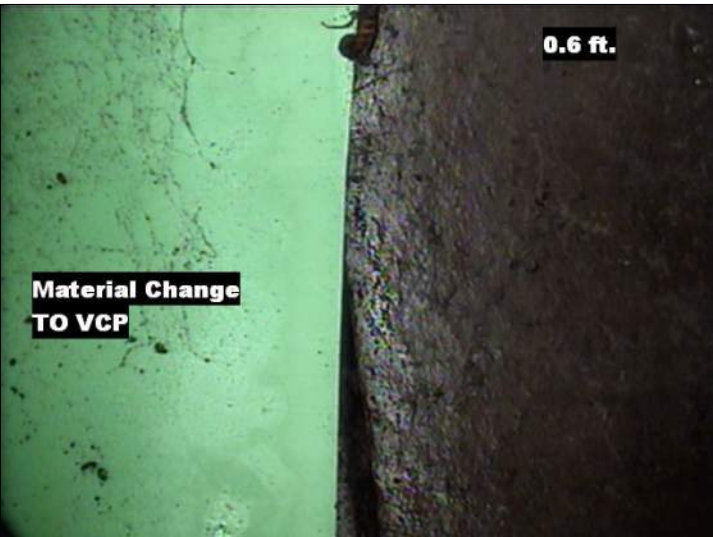
PARCE 70 PHOTO #14 STA: 8+62.15



PARCE 70 PHOTO #15 STA: 9+00.15



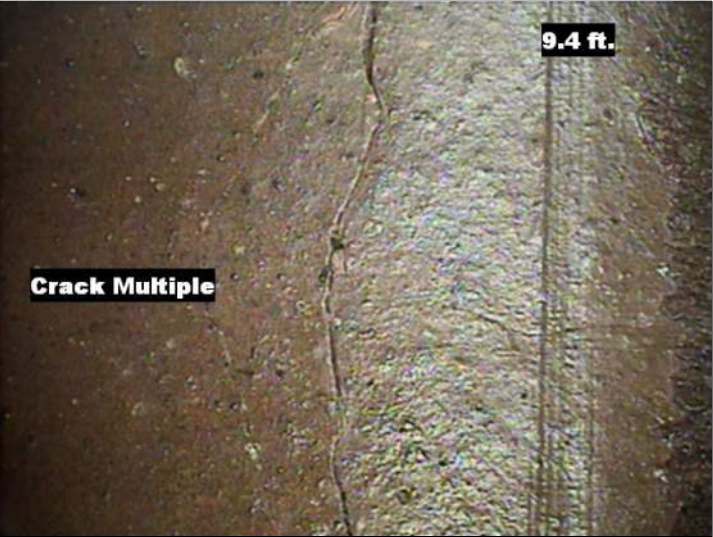
PARCE 70 PHOTO #16 STA: 9+16.85



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

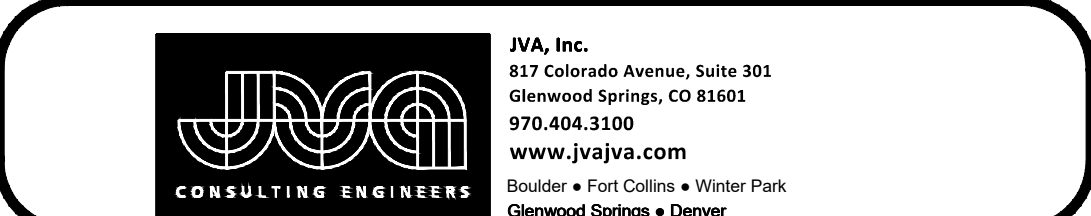
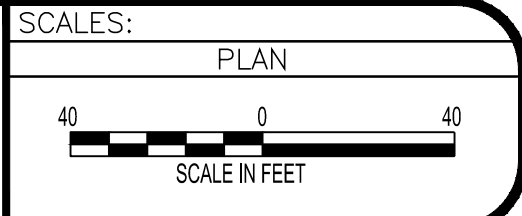


PARCE 70 PHOTO #21 STA: 13+89.59

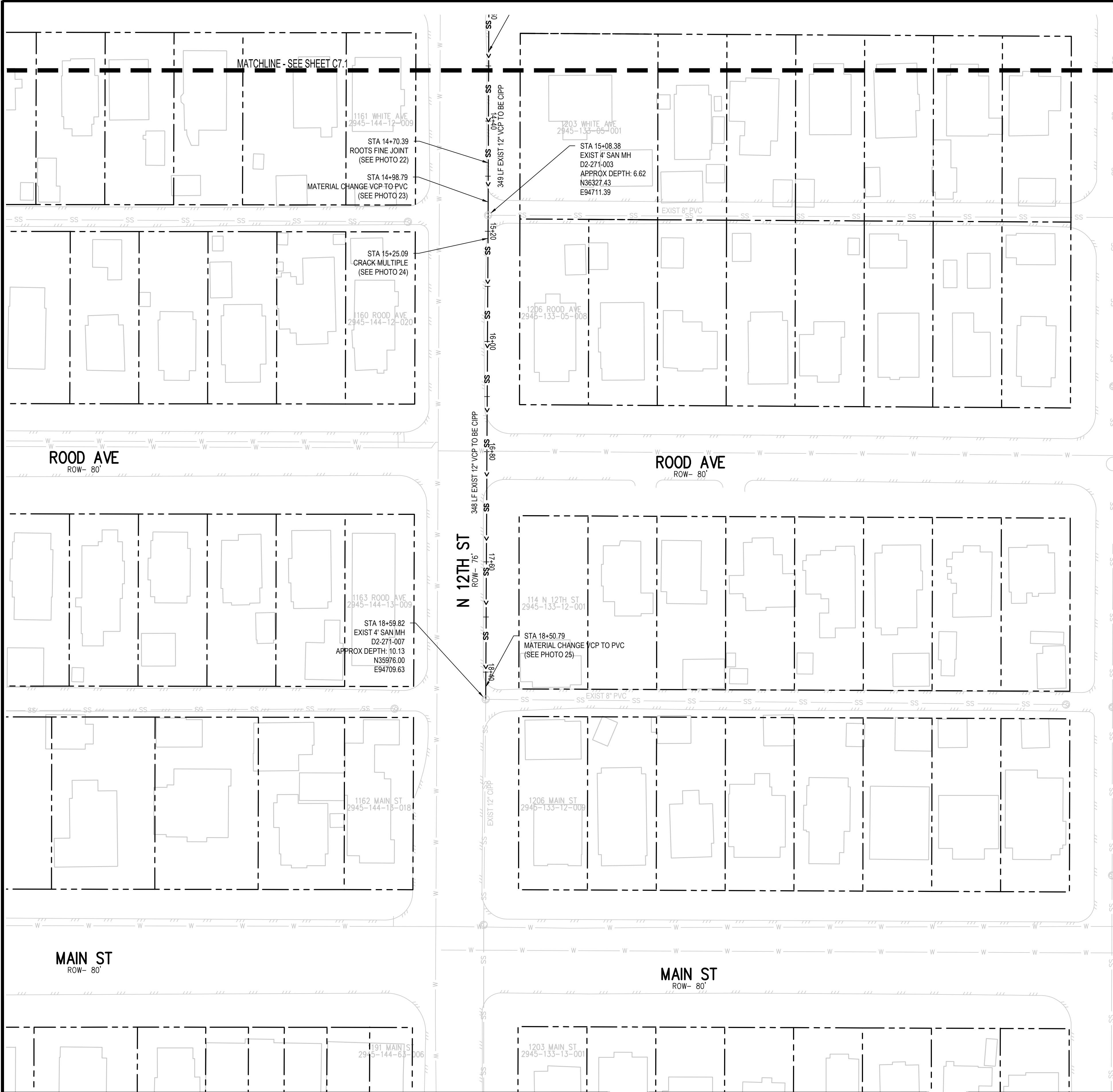
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2025 CIPP
SANITARY SEWER REPLACEMENT
PARSE 70 – SANITARY PLAN & PHOTOS



DEFECT PHOTOS



PARSE 70 PHOTO #22 STA: 14+70.39



PARSE 70 PHOTO #23 STA: 14+89.78



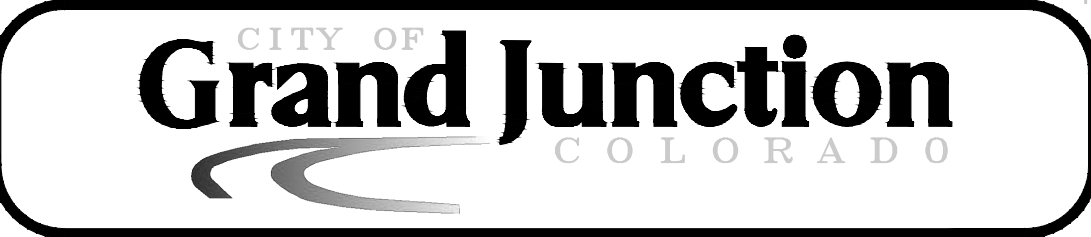
PARSE 70 PHOTO #24 STA: 15+25.09



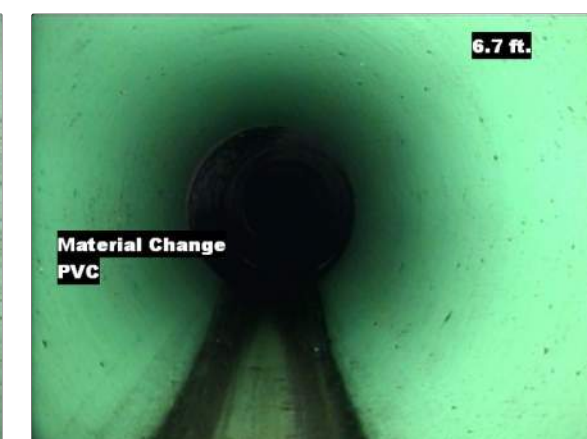
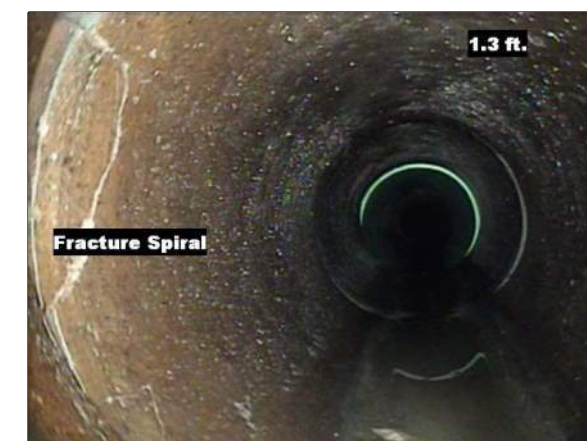
PARSE 70 PHOTO #25 STA: 18+50.79

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PARSE 70 – SANITARY PLAN & PHOTOS



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REVISION <u>A</u>	-		APPROVED BY	DATE

PLAN

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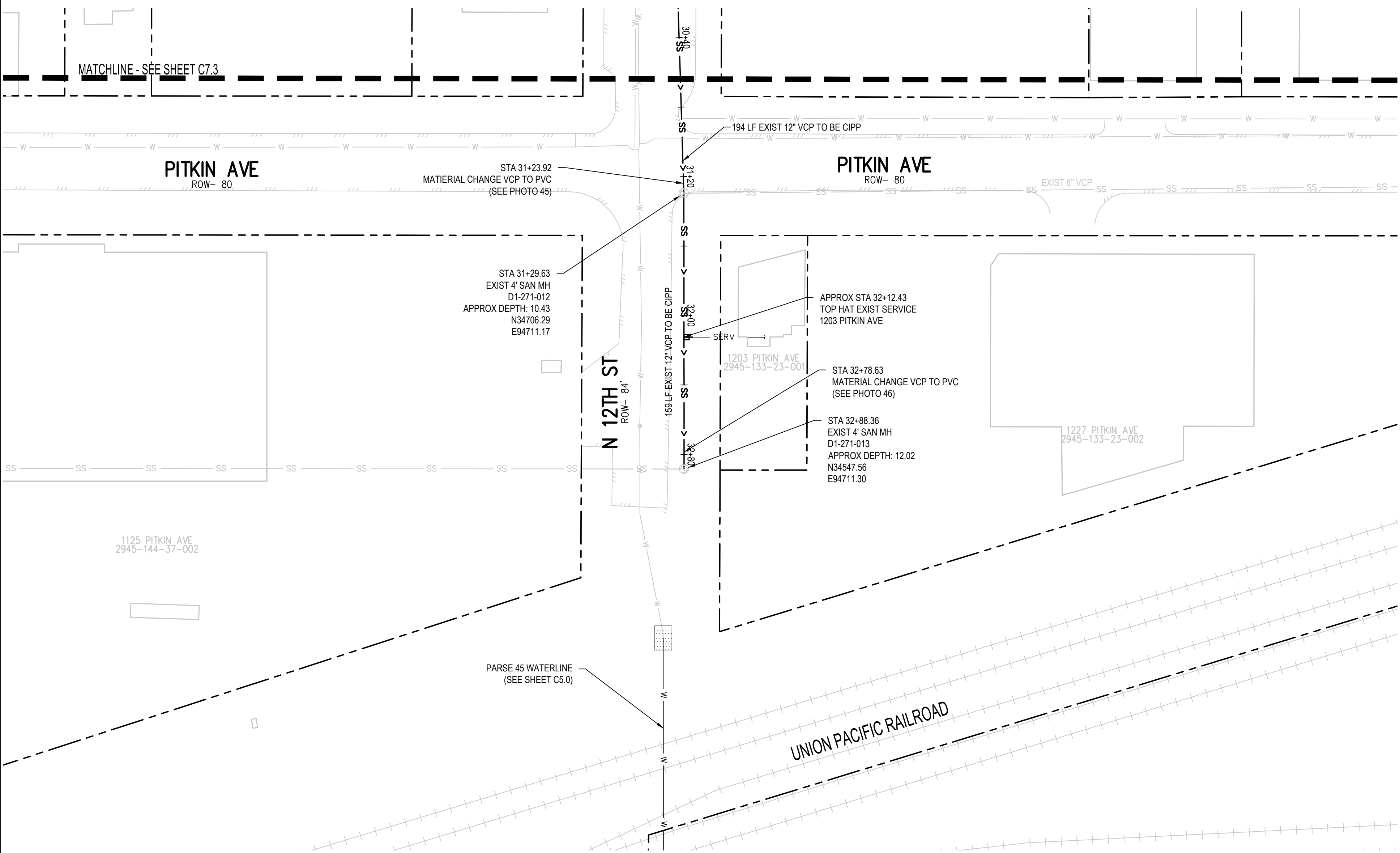
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PARSE 70 - SANITARY PLAN & PHOTOS

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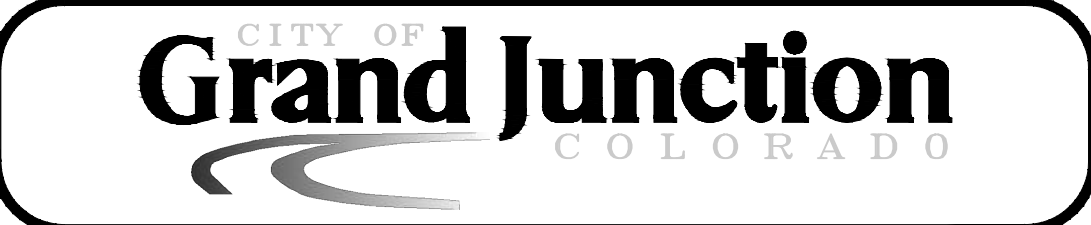
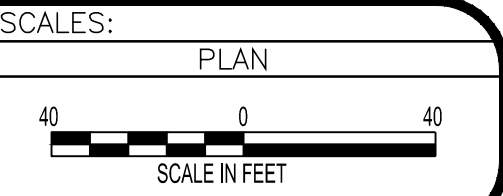
PARCE 70 PHOTO #45 STA: 31+23.92



PARCE 70 PHOTO #46 STA: 32+78.63

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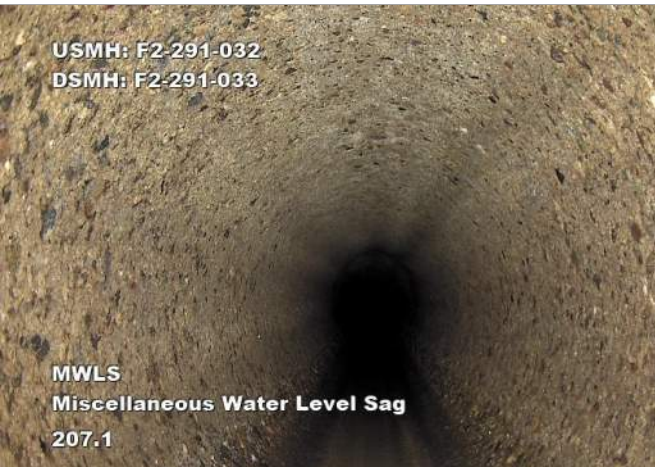


2025 CIPP
SANITARY SEWER REPLACEMENT
PARSE 70 – SANITARY PLAN & PHOTOS

DEFECT PHOTOS



PARCE 78 PHOTO #1 STA: 45+27.



PARCE 78 PHOTO #2 STA: 44+49.



PARCE 78 PHOTO #3 STA: 44+39.5



PARCE 78 PHOTO #4 STA: 42+70.



PARCE 78 PHOTO #5 STA: 42+50.



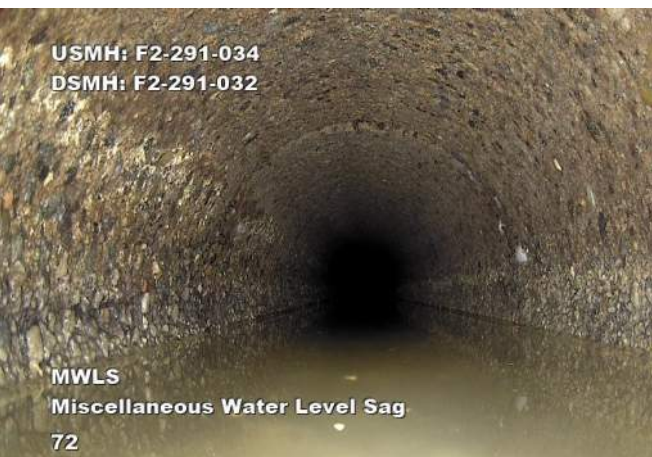
PARCE 78 PHOTO #6 STA: 42+44.6



PARCE 78 PHOTO #7 STA: 42+35.



PARCE 78 PHOTO #8 STA: 41+89.



PARCE 78 PHOTO #9 STA: 41+65.



PARCE 78 PHOTO #10 STA: 41+6.



PARCE 78 PHOTO #11 STA: 41+53



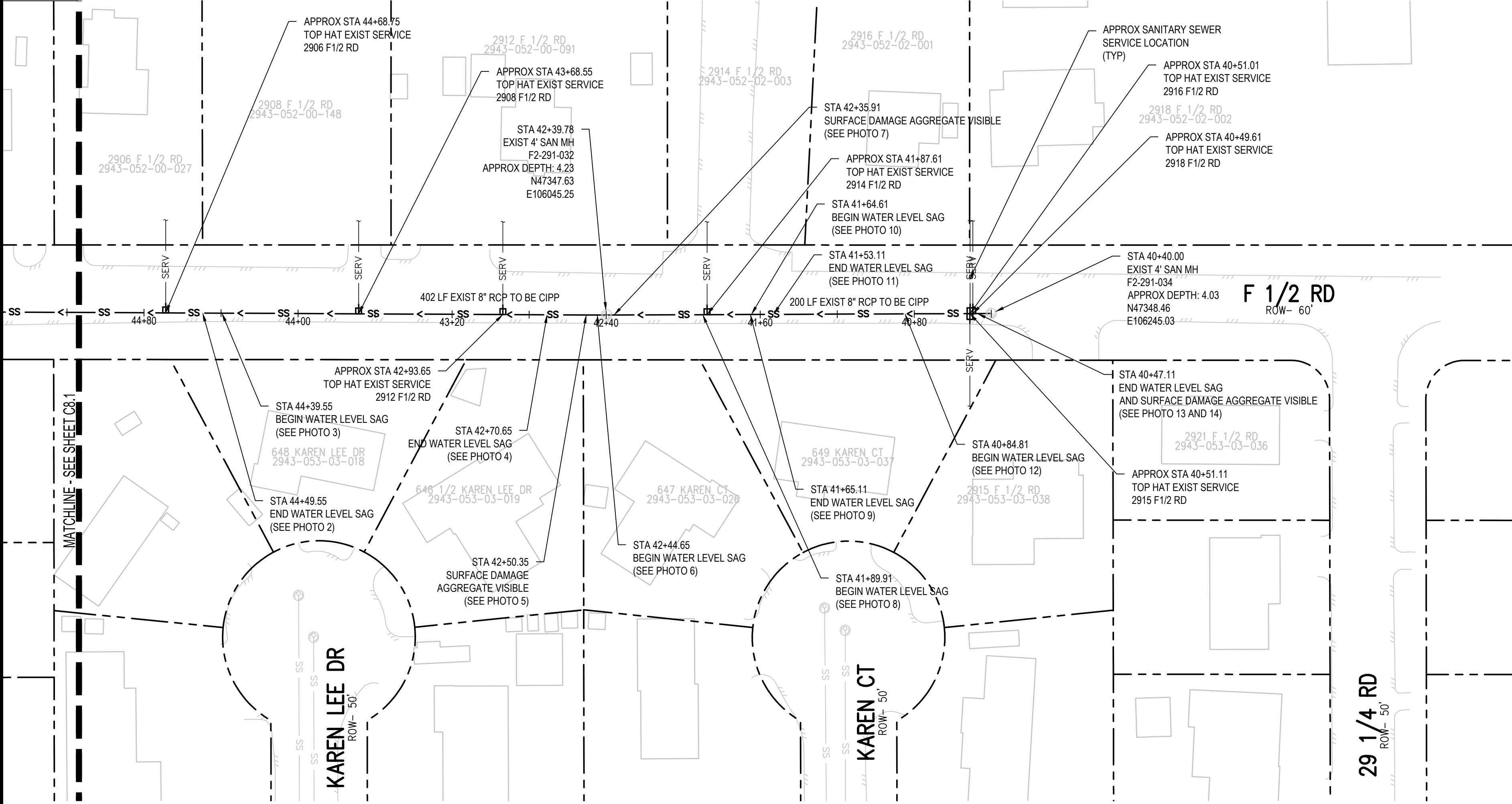
PARCE 78 PHOTO #12 STA: 40+84



PARCE 78 PHOTO #13 STA: 40+47



PARCE 78 PHOTO #14 STA: 40+47



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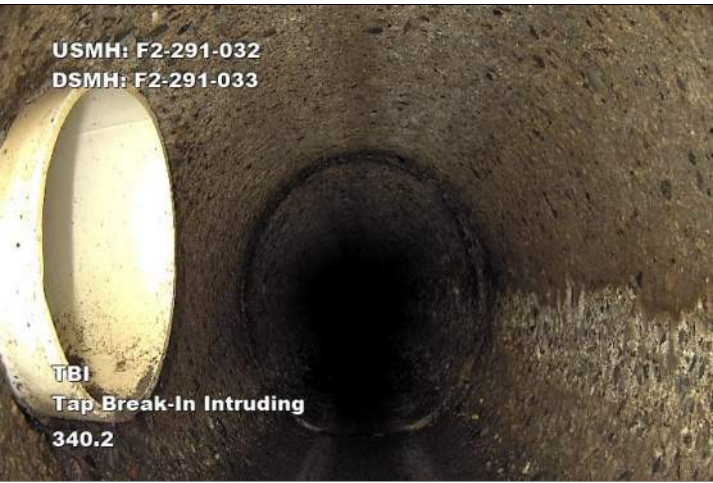
2025 CIPP
SANITARY SEWER REPLACEMENT
PARSE 78 - SANITARY PLAN & PHOTOS

C8. 6

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



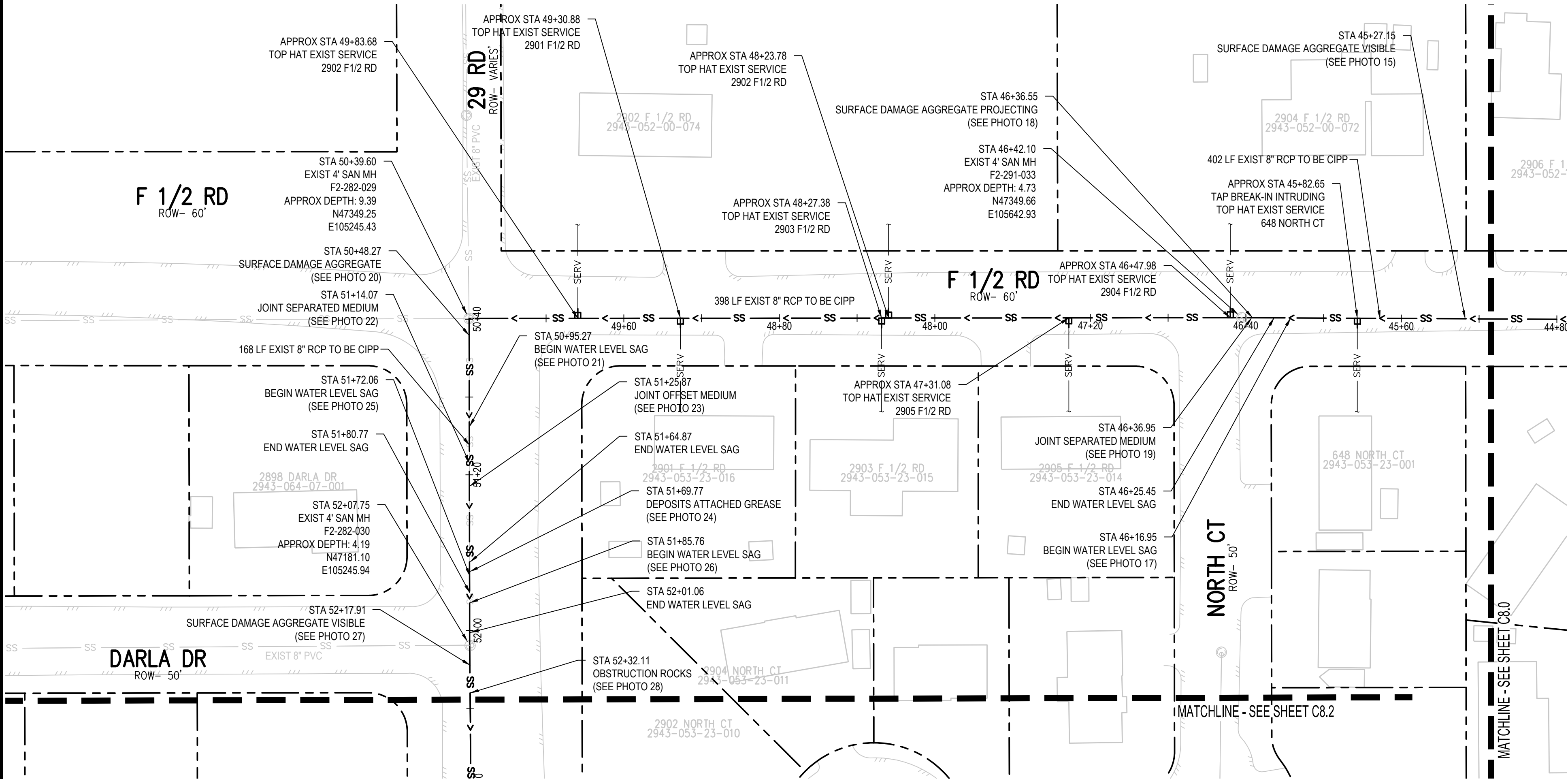
PARCE 78 PHOTO #26 STA: 51+85.76



PARCE 78 PHOTO #27 STA: 52+17.91



PARCE 78 PHOTO #28 STA: 52+32.11

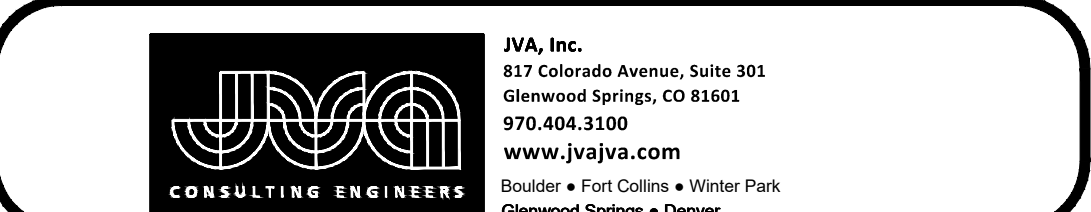
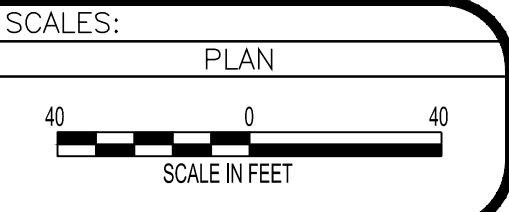


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2025 CIPP
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PARSE 78 – SANITARY PLAN & PHOTOS

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



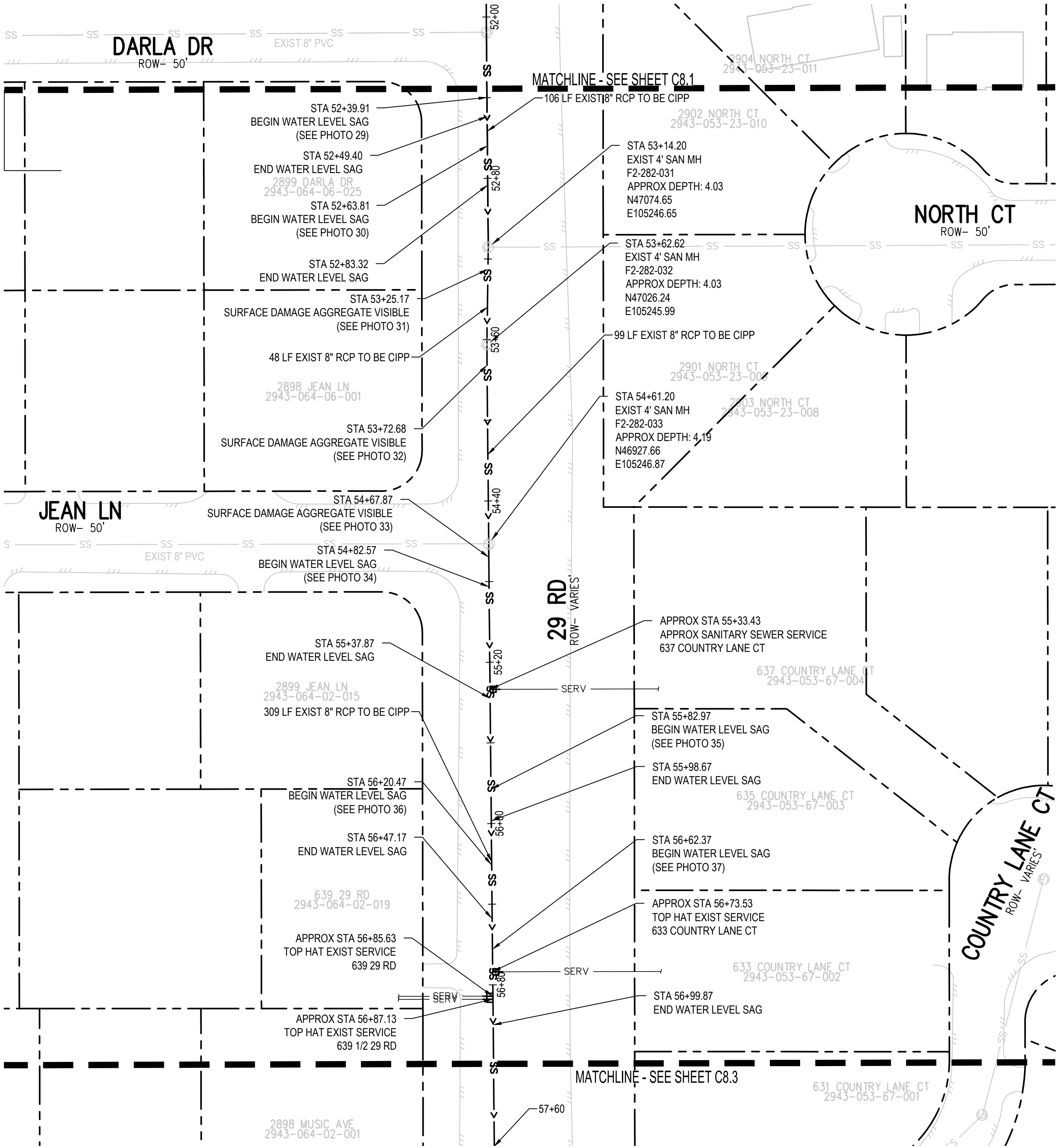
PARCE 78 PHOTO #35 STA: 55+82.97



PARCE 78 PHOTO #36 STA: 56+20.47



PARCE 78 PHOTO #37 STA: 52+17.91

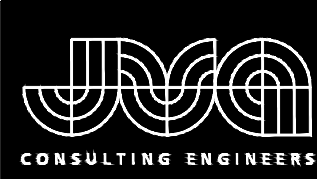
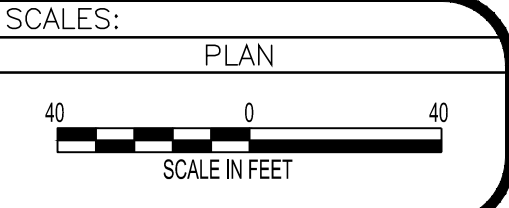


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PARSE 78 – SANITARY PLAN & PHOTOS

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



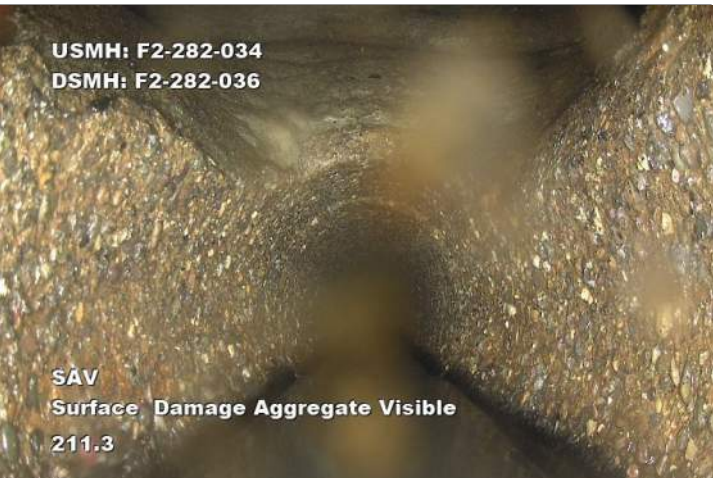
PARCE 78 PHOTO #44 STA: 58+62.09



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



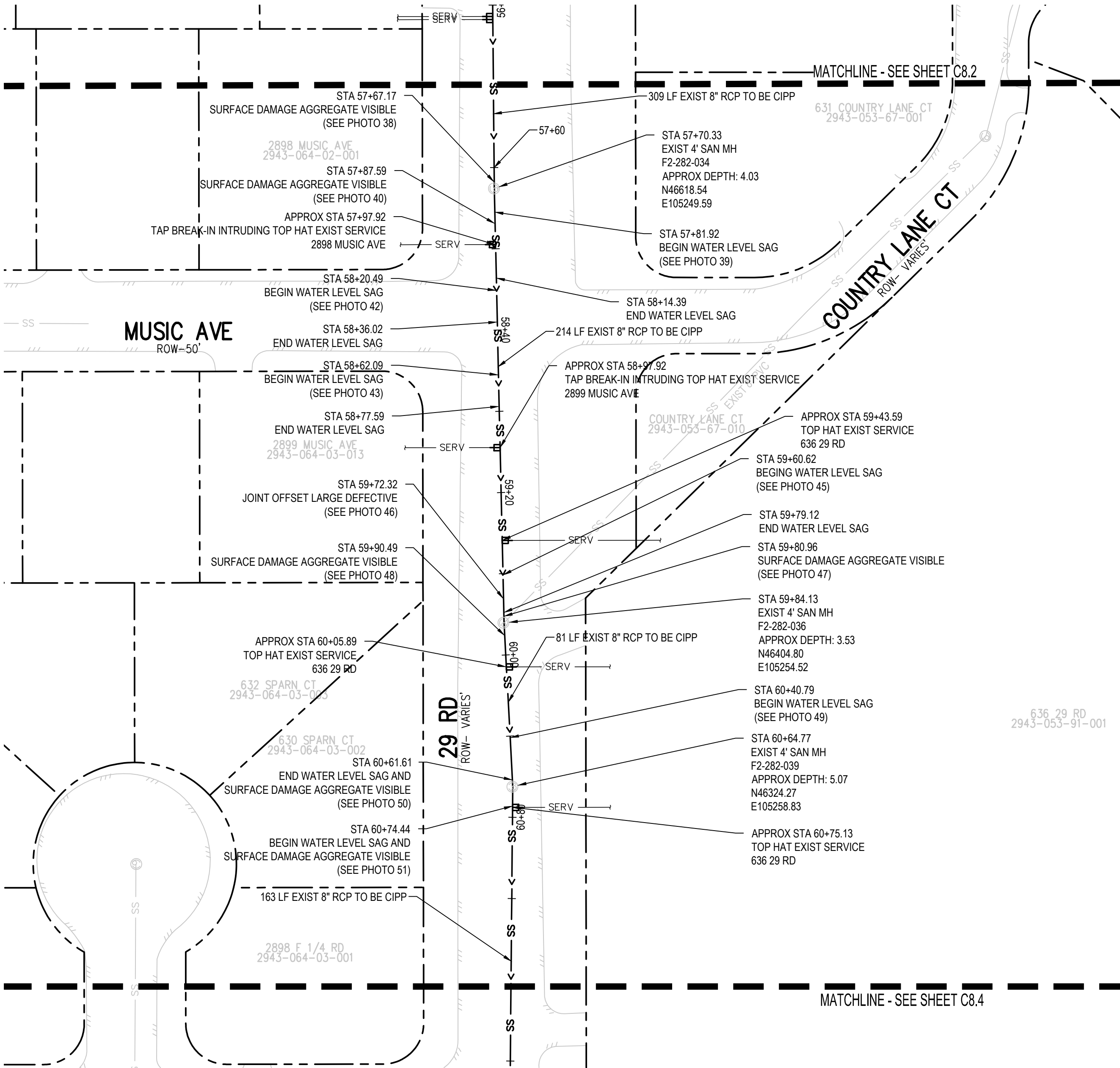
PARCE 78 PHOTO #49 STA: 60+40.79



PARCE 78 PHOTO #50 STA: 60+61.61



PARCE 78 PHOTO #51 STA: 60+74.44



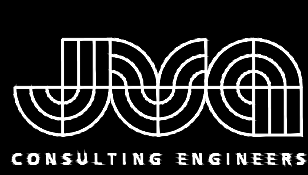
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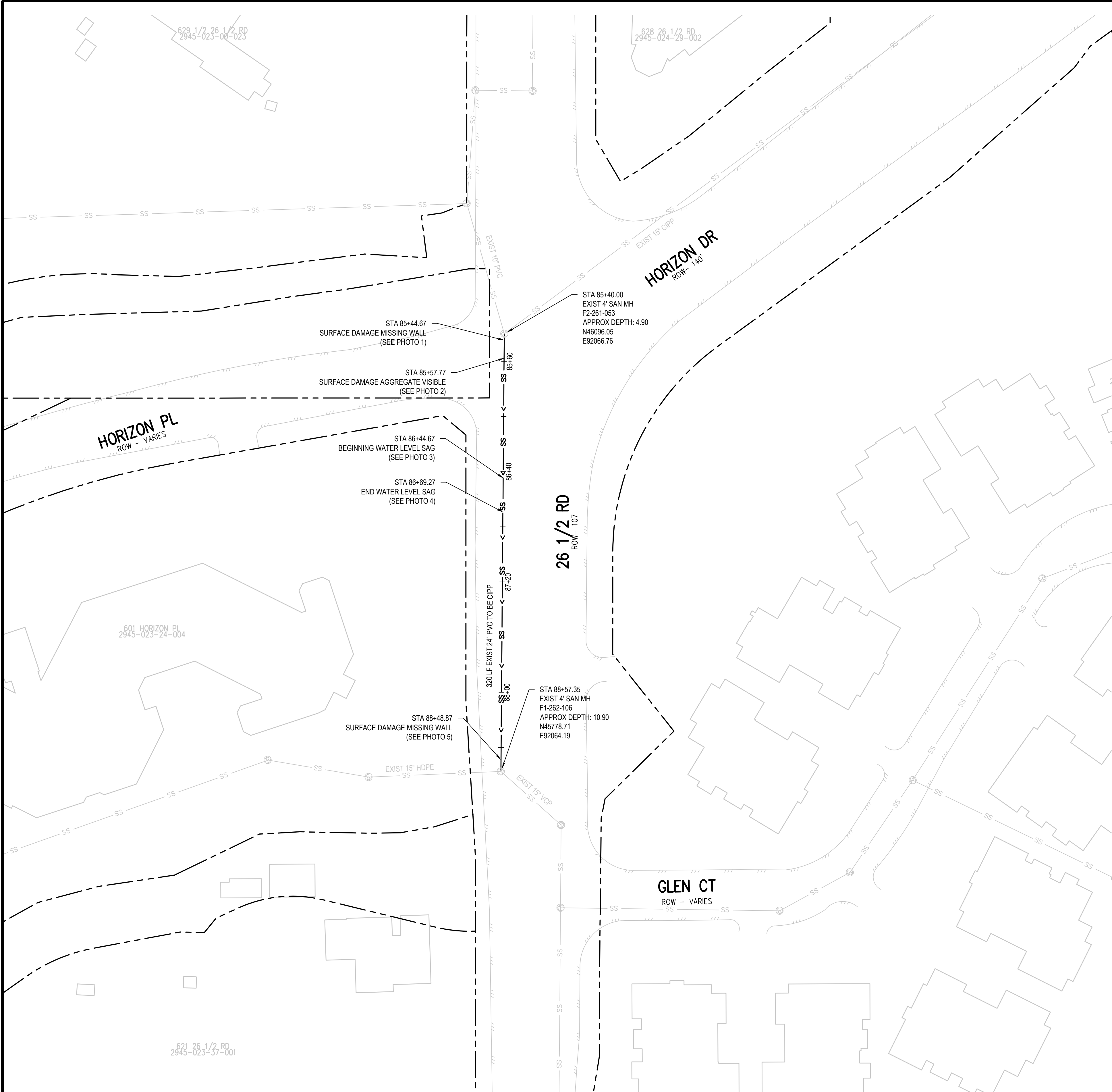
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DEFECT PHOTOS



PARCE 93 PHOTO #1 STA: 85+44.67



PARCE 93 PHOTO #2 STA: 85+57.77



PARCE 93 PHOTO #3 STA: 86+44.67



PARCE 93 PHOTO #4 STA: 86+69.27



PARCE 93 PHOTO #5 STA: 88+48.87

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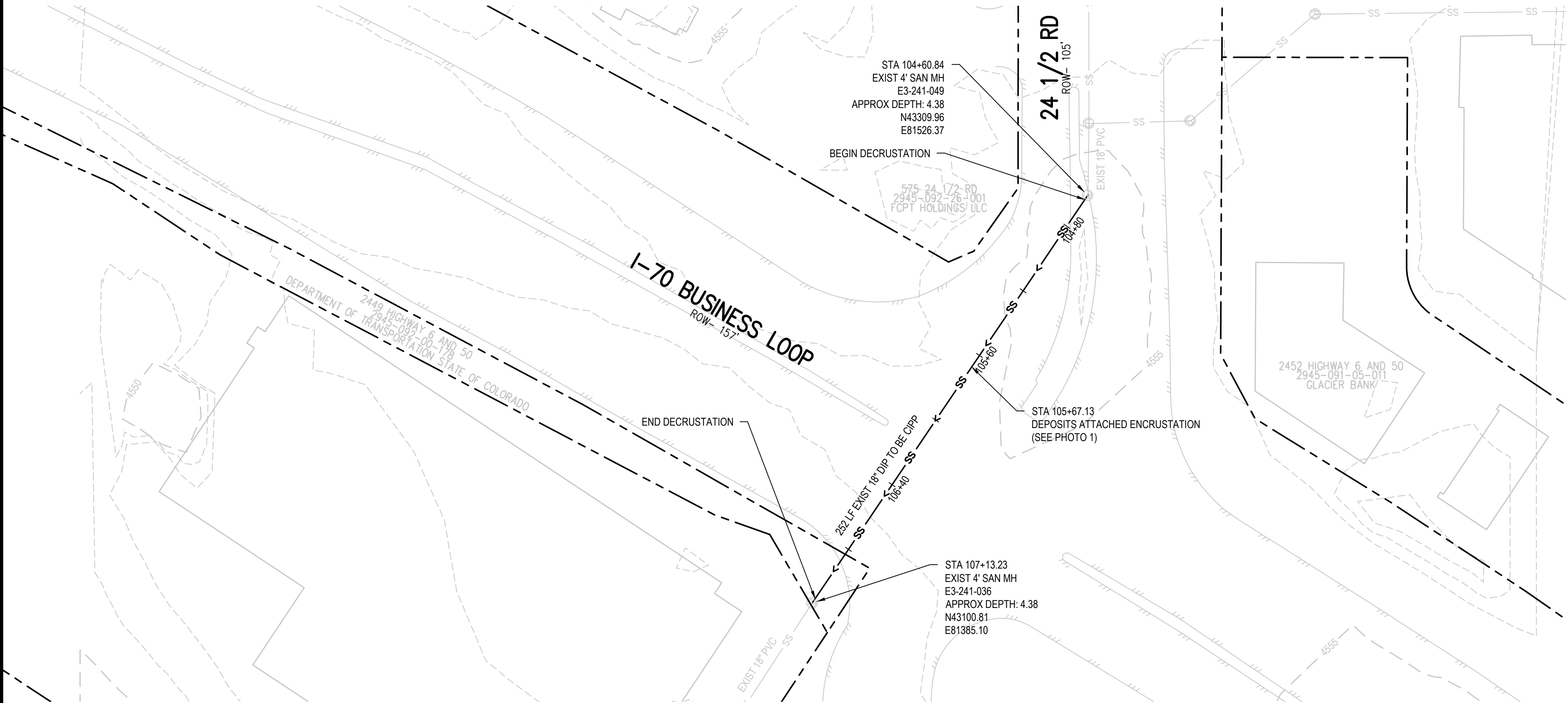
**2025 CIPP
SANITARY SEWER REPLACEMENT
PARSE 93 – SANITARY PLAN & PHOTOS**



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

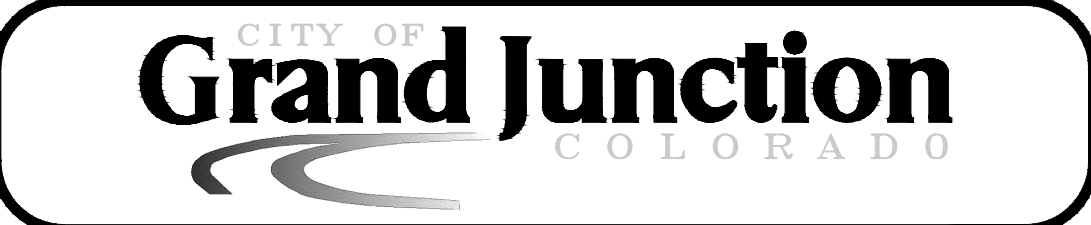
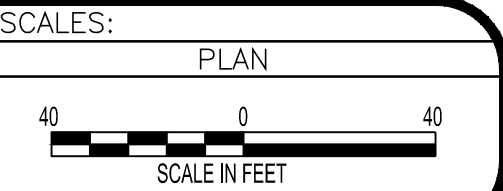
DAE
Deposits Attached Encrustation
106.4

PARSE 156 PHOTO #1 STA: 105+67.13

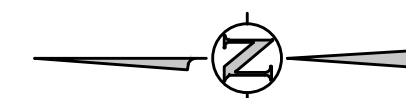
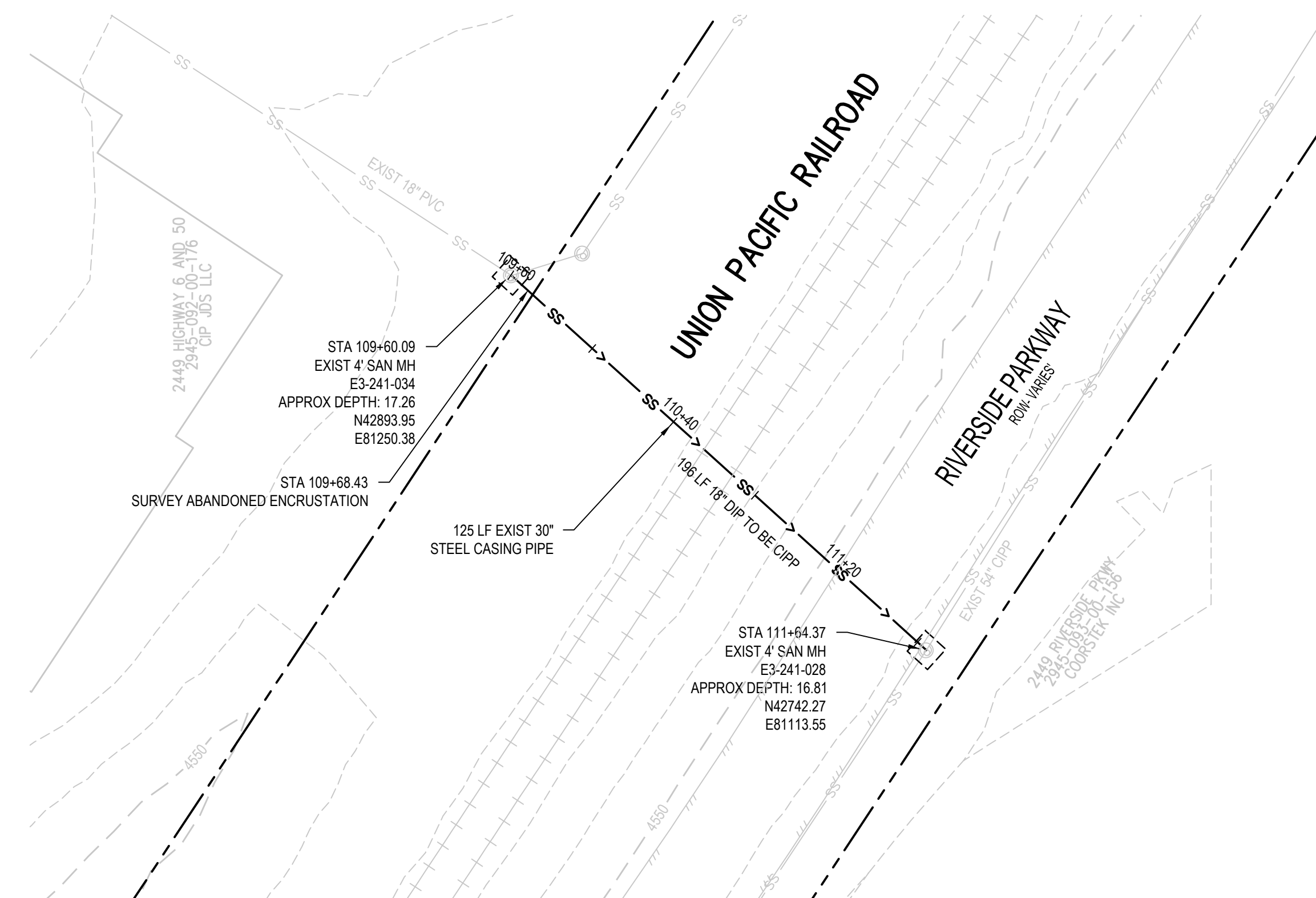
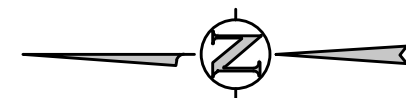
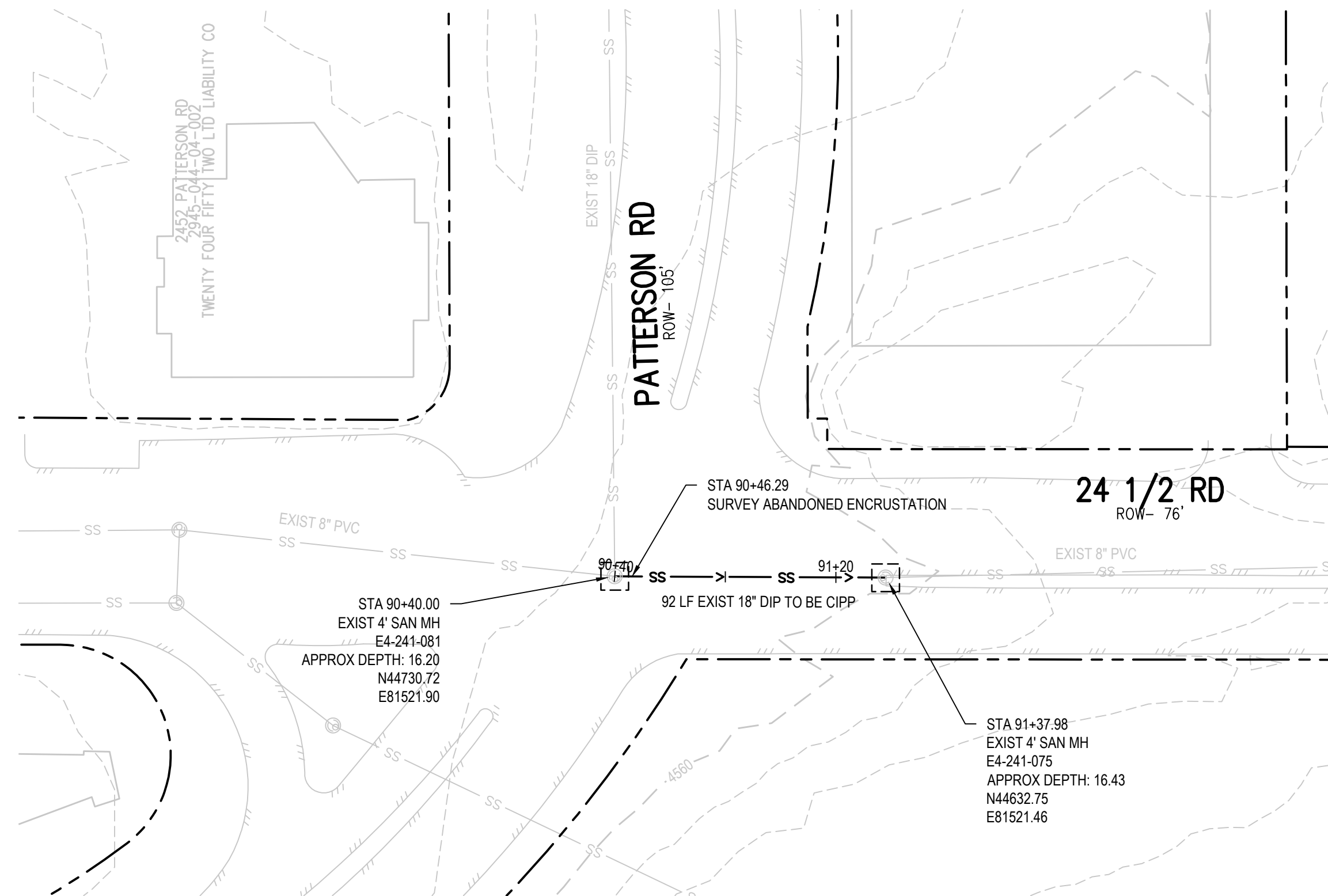


- UTILITY NOTES:
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REVISION	DESCRIPTION	DATE	DRAWN BY	SAA/SNG	DATE	4/25/2025	DESIGNED BY	ZCF/AMF	DATE	4/25/2025	CHECKED BY	AMR	DATE	4/25/2025	APPROVED BY	DATE
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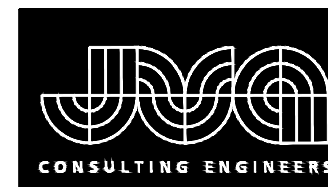
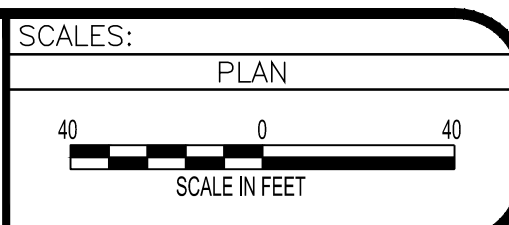
2025 CIPP
SANITARY SEWER REPLACEMENT
PARSE 156 – SANITARY PLAN & PHOTOS



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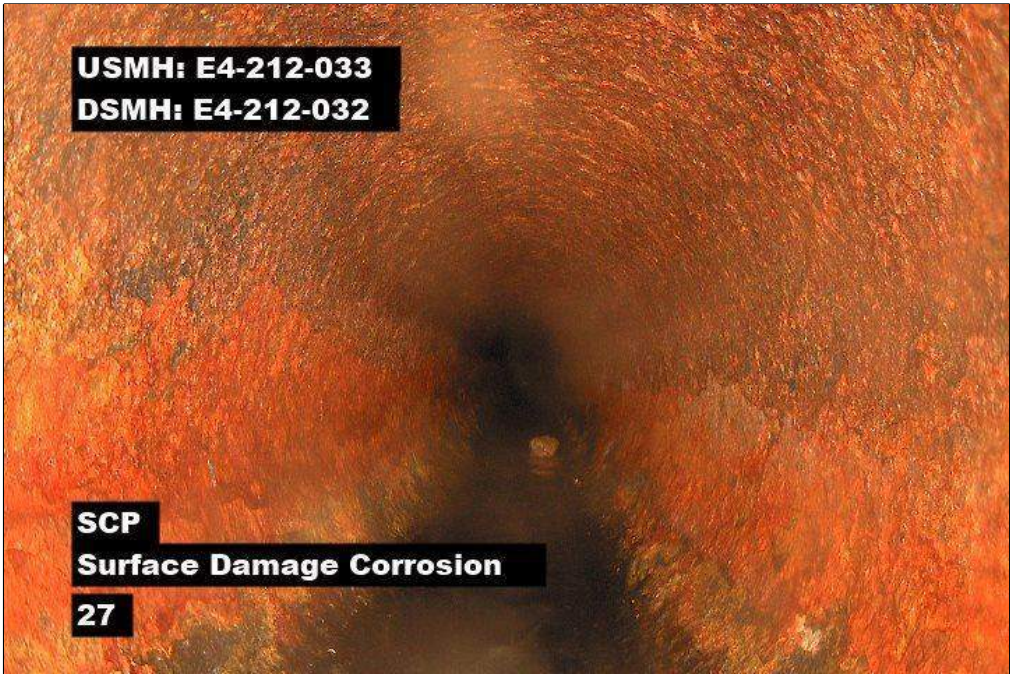
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**2025 CIPP
SANITARY SEWER REPLACEMENT
PARSE 156 – SANITARY PLAN & PHOTOS**



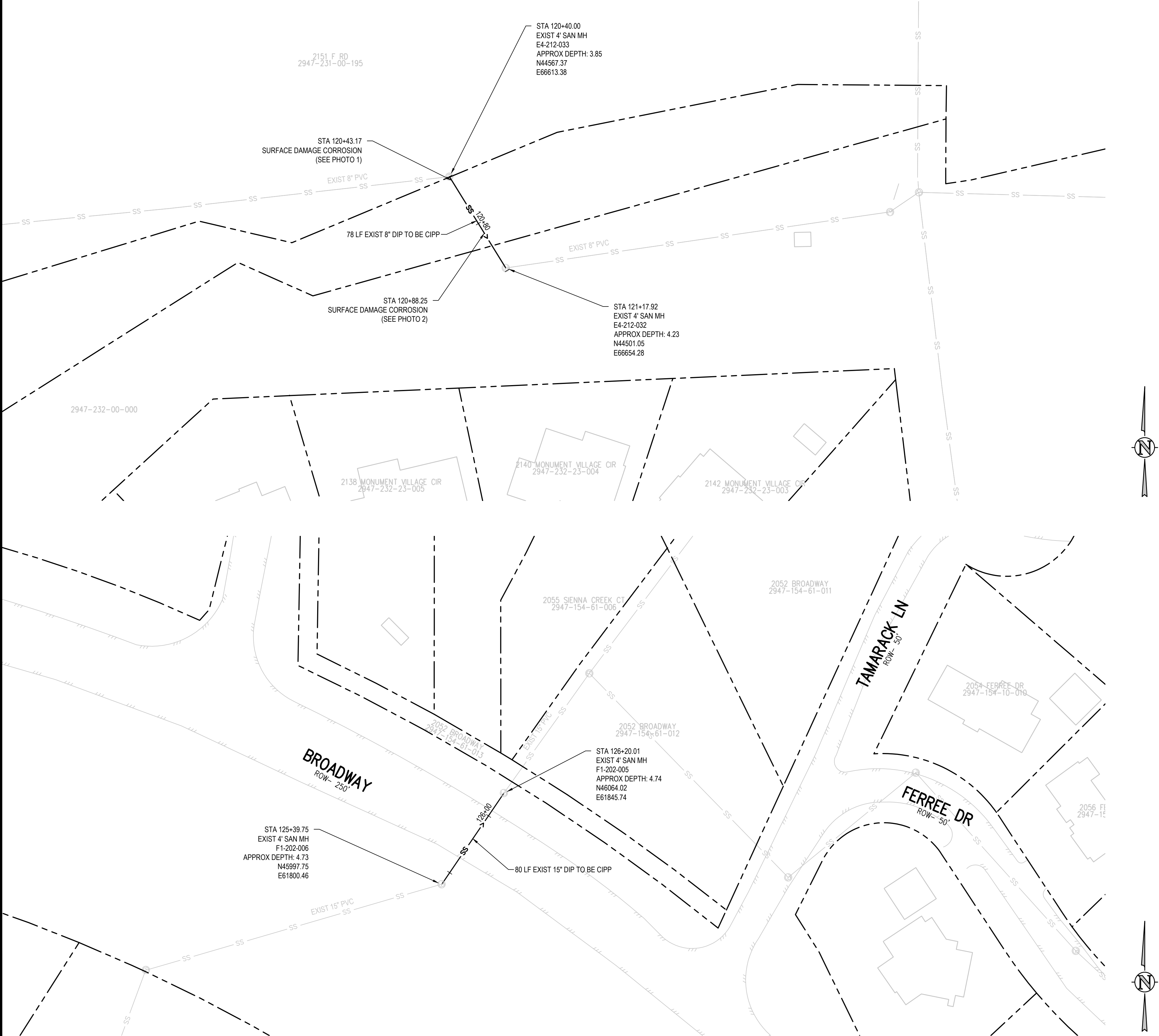
PARSE 159 PHOTO #1 STA: 120+43.17



PARSE 159 PHOTO #2 STA: 120+88.25

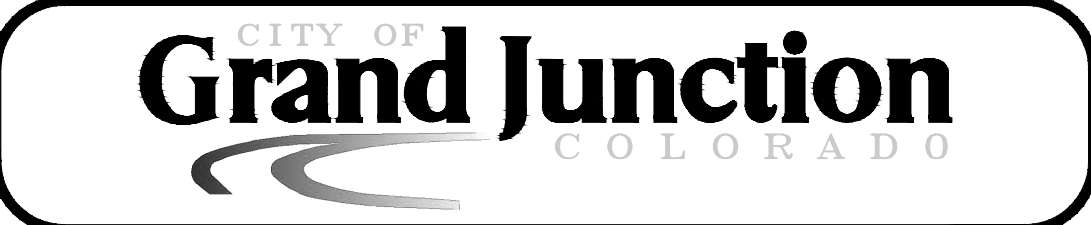
DEFECT PHOTOS PARSE 160

NO PIPE DEFICIENCIES SURVEYED

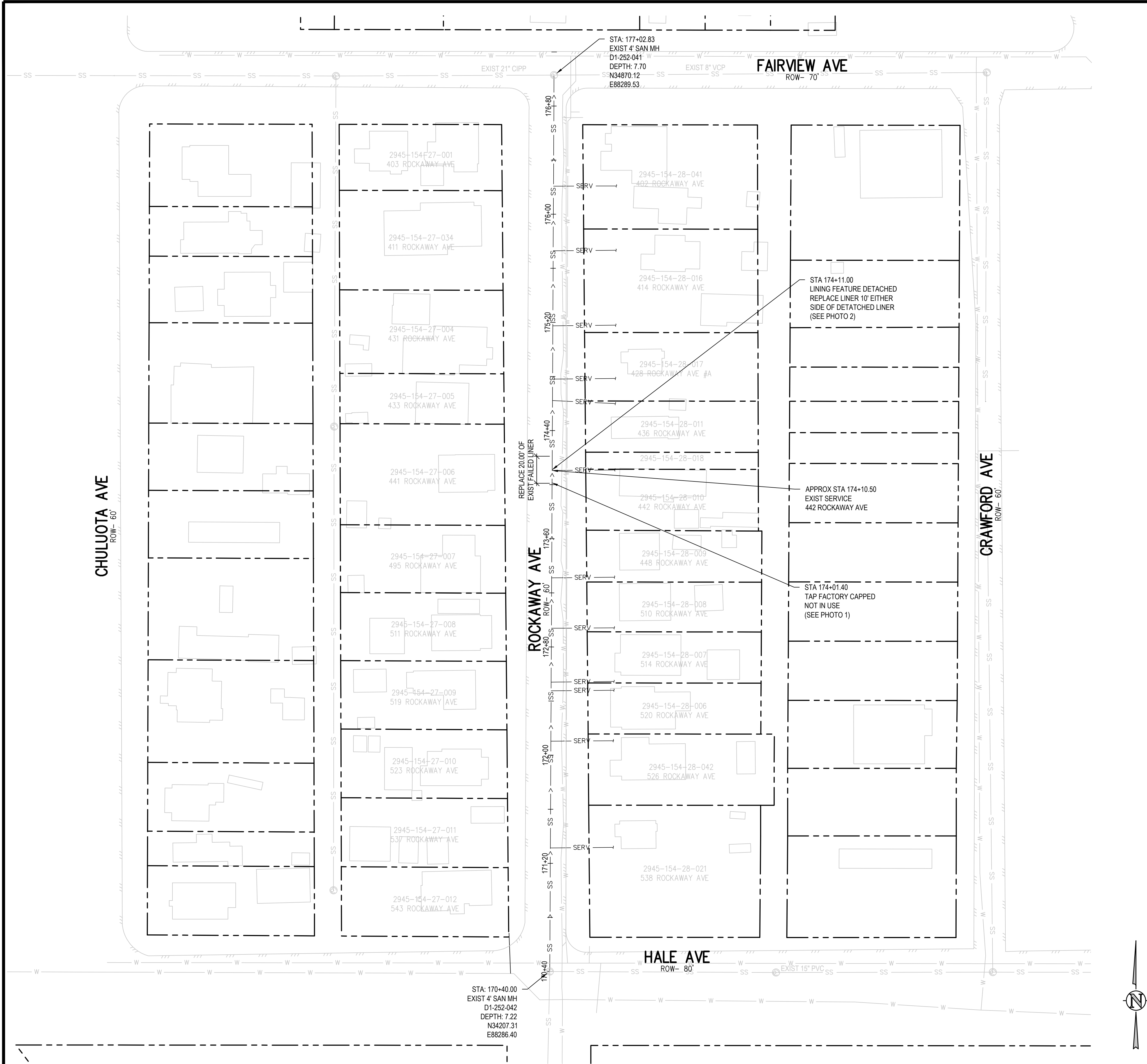


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REVISION			DESIGNED BY	ZCF/AMF	DATE	4/25/2025	PLAN
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REVISION			APPROVED BY		DATE		



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



DEFECT PHOTOS



PARCE 209 PHOTO #1 STA: 174+01.40

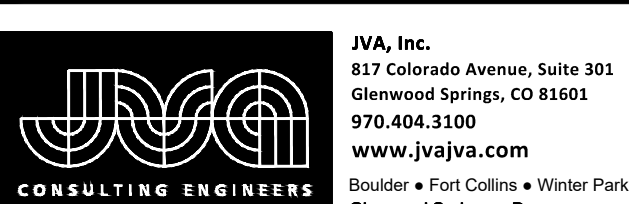
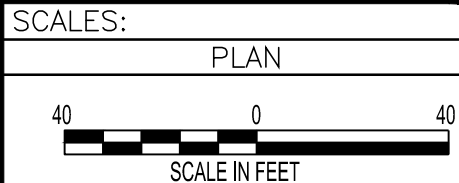


PARCE 209 PHOTO #2 STA: 174+11.00

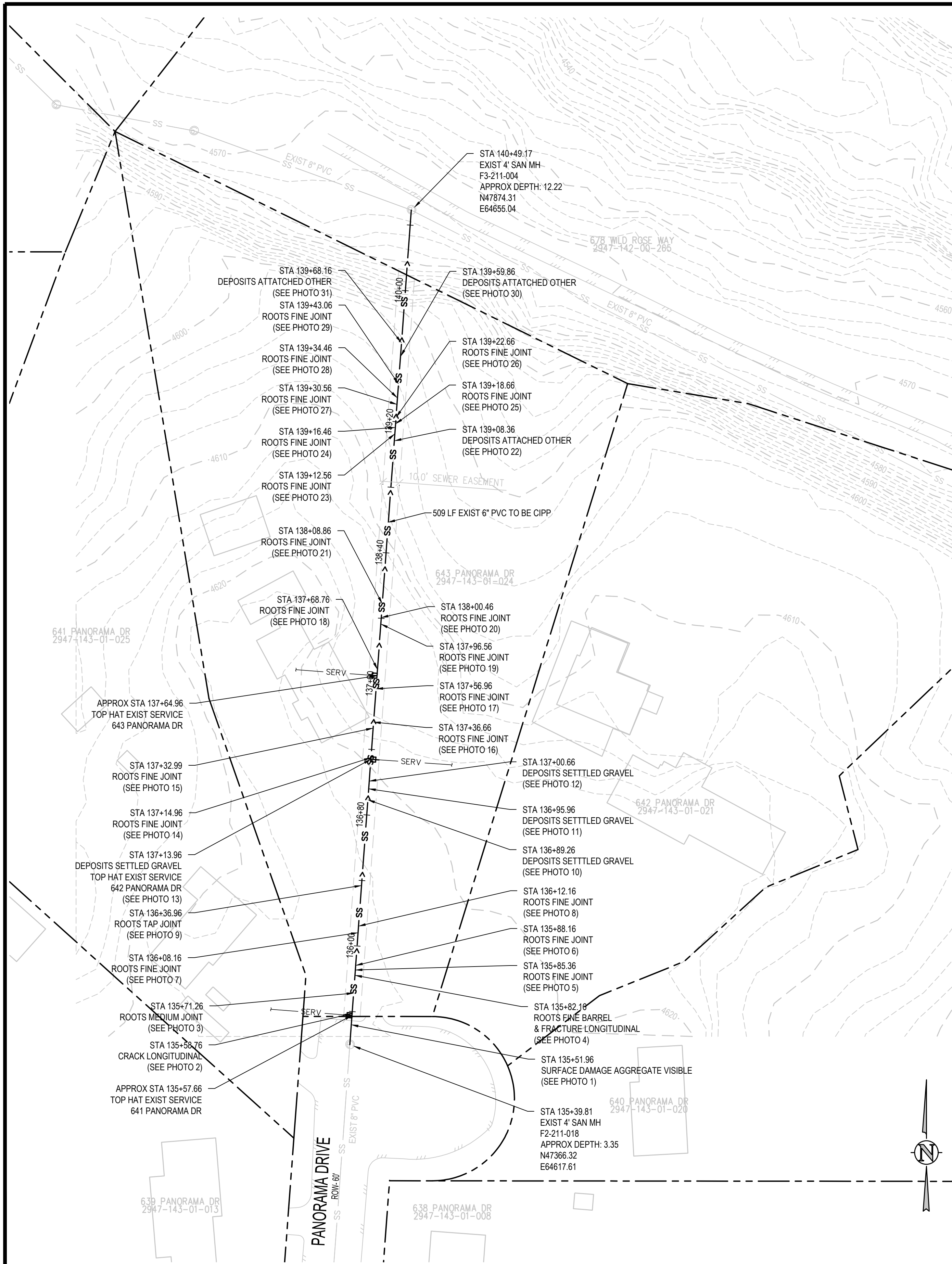
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2025 CIPP
SANITARY SEWER REPLACEMENT
PARSE 209 – SANITARY PLAN & PHOTOS



DEFECT PHOTOS



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APPROVED BY		DATE	

SCALES:
PLAN
0 40
SCALE IN FEET

CITY OF

Grand Junction

COLORADO

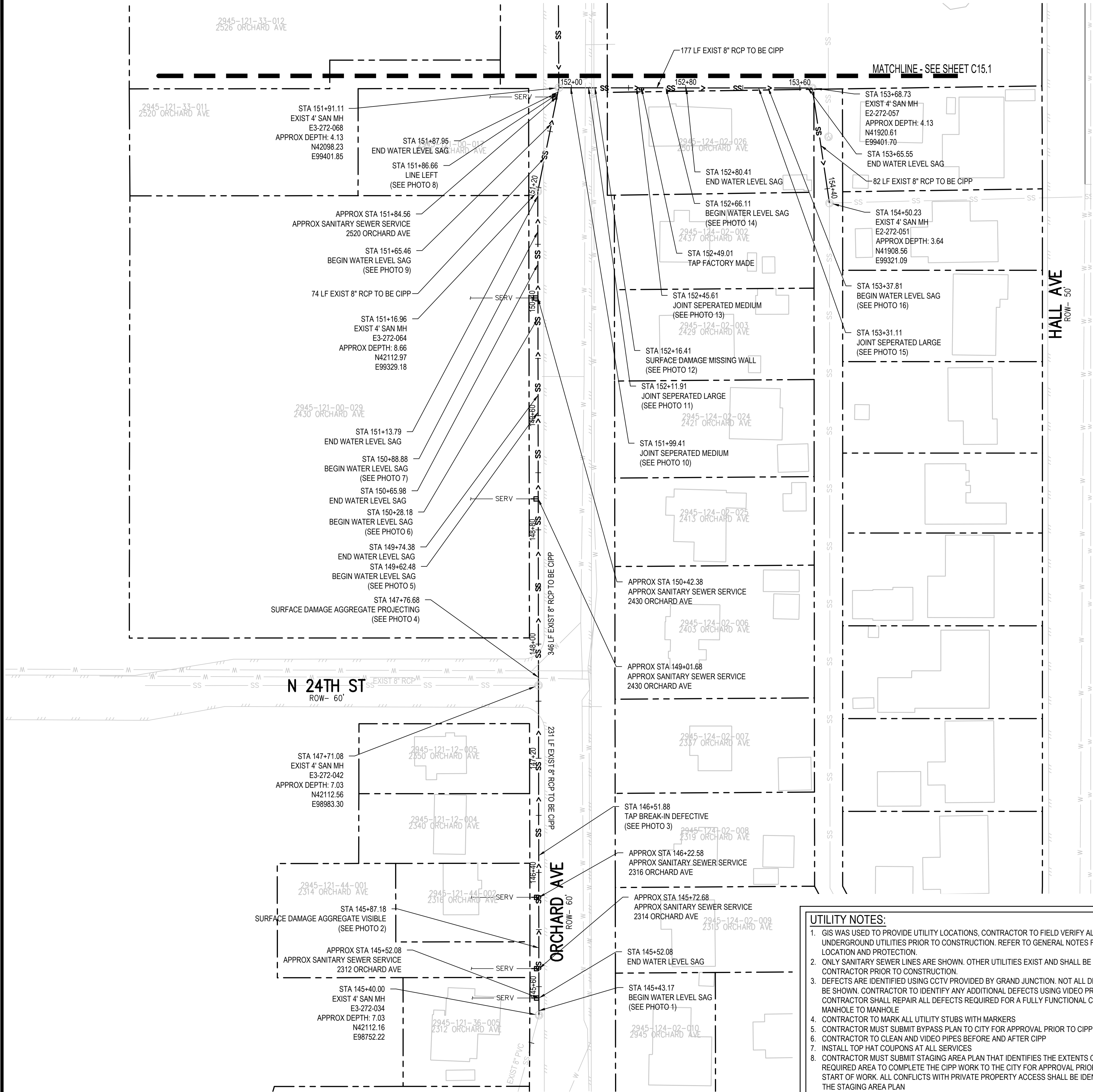
JVA, Inc.
817 Colorado Avenue, Suite 301
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2025 CIPP

SANITARY SEWER REPLACEMENT

PARSE 213 – SANITARY PLAN & PHOTOS

C14.0



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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



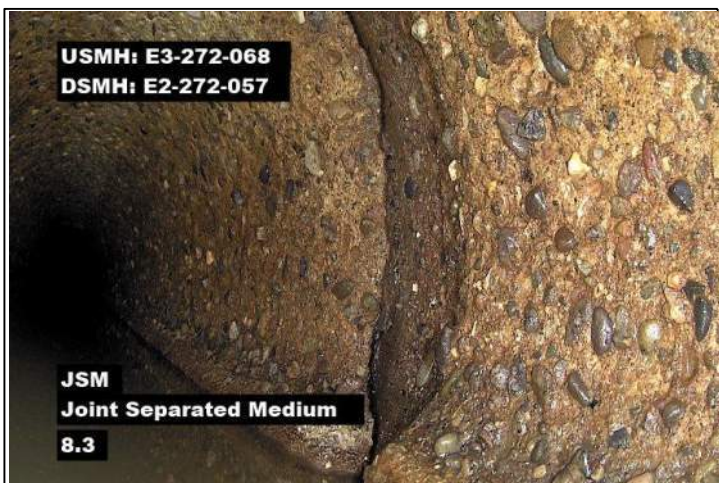
PARCE 217 PHOTO #7 STA: 150+88.88



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



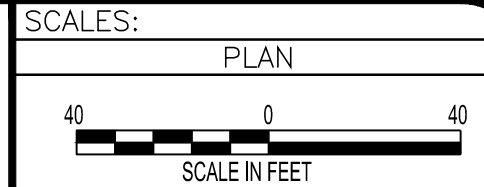
PARCE 217 PHOTO #15 STA: 153+31.11



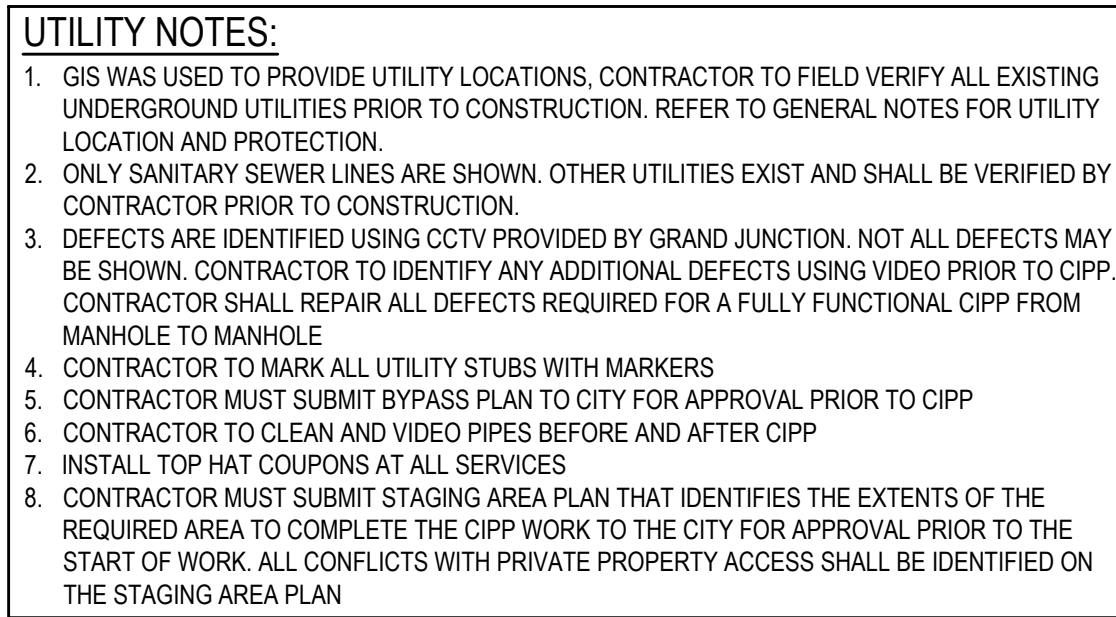
PARCE 217 PHOTO #16 STA: 153+37.81

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



USMH: E3-272-034
DSMH: E3-272-042

MWLS
Miscellaneous Water Level Sag
219

USMH: E3-272-084
DSMH: E3-272-077

MWLS
Miscellaneous Water Level Sag
23.7

USMH: E3-272-084
DSMH: E3-272-077

SAP
Surface Damage Aggregate Projecting
29.4

USMH: E3-272-084
DSMH: E3-273-077

MWLS
Miscellaneous Water Level Sag

108.4

USMH: E3-272-084
DSMH: E3-272-077

TBI
Tap Break-In Intruding
124

USMH: E3-272-084
DSMH: E3-272-077

SAM
Surface Damage Aggregate Missing

223



USMH: E3-272-084
DSMH: E3-272-077

NWLS
Miscellaneous Water Level Sag
288.2



USMH: E3-272-084
DSMH: E3-272-077

SAM
Surface Damage Aggregate Missing
309.1



USMH: E3-272-0B4
DSMH: E3-272-077

MWLS
Miscellaneous Water Level Sag

317

USMH: E3-272-077
DSMH: E3-272-068

JSL
Joint Separated Large

4.2

USMH: E3-272-077
DSMH: E3-272-068

RFJ
Roots Fine Joint
55.3

USMH: E3-272-077
DSMH: E3-272-068

JSL
Joint Separated Large
89.2

USMH: E3-272-077
DSMH: E3-272-068

FC
Fracture Circumferential
90.9

USMH: E3-272-077
DSMH: E3-272-068

MWLS
Miscellaneous Water Level Sag
96.8

USMH: E3-272-077
DSMH: E3-272-068

DAE
Deposits Attached Encrustation
165.2

USMH: E3-272-077
DSMH: E3-272-068

JSL
Joint Separated Large
182.7



USMH: E3-272-077
DSMH: E3-272-068

JAL
Joint Angular Large
186.8

USMH: E3-272-077
DSMH: E3-272-068

JAM
Joint Angular Medium
191.1

USMH: E3-272-077
DSMH: E3-272-068

JSM
Joint Separated Medium
220.5



USMH: E3-272-077
DSMH: E3-272-068

TBD
Tap Break-In Defective
230.6

PARCE 217 PHOTO #36 STA: 166+48.43

SCALES:

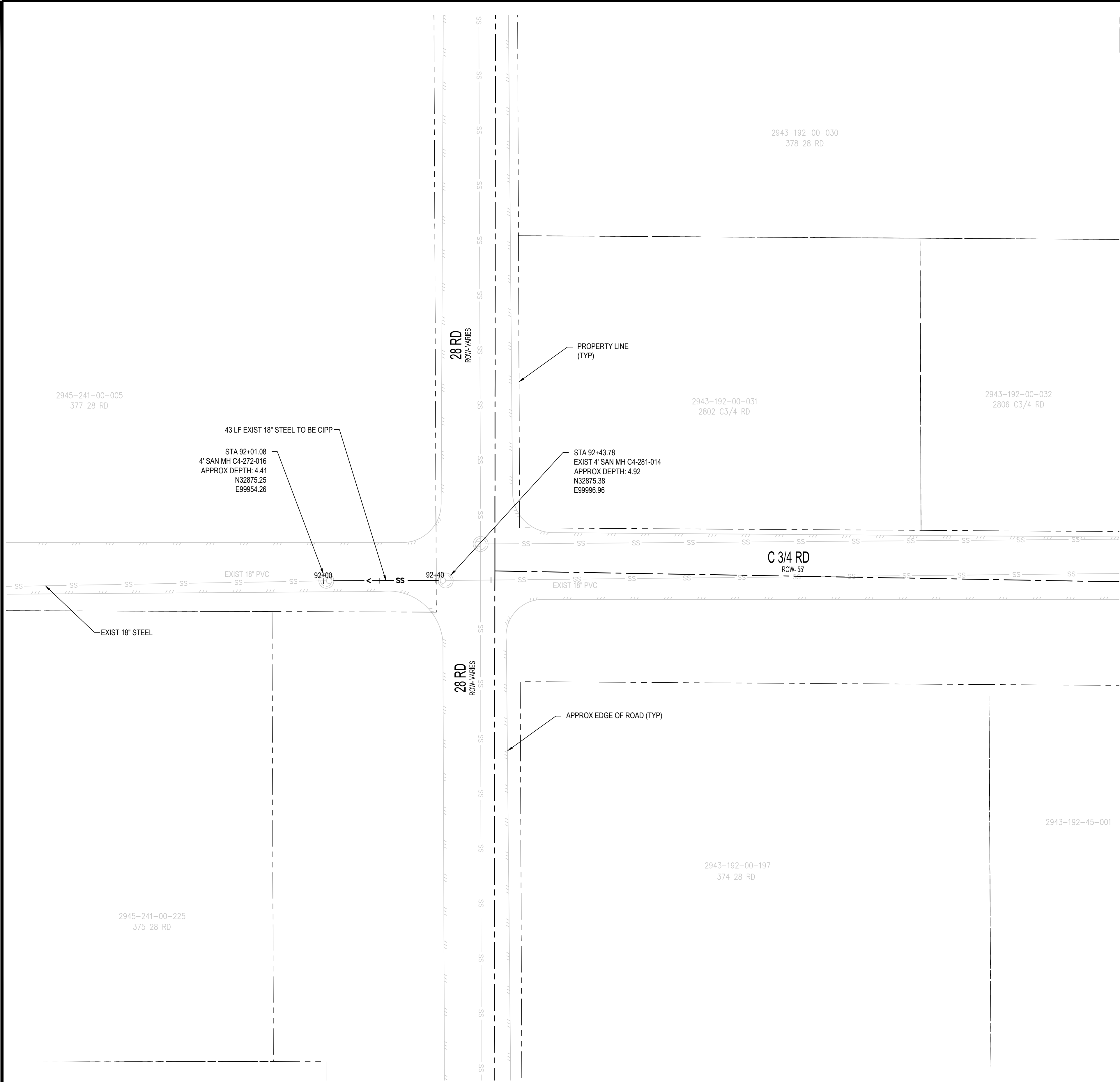
PLAN

40 0 4

SCALE IN FEET



C15.1

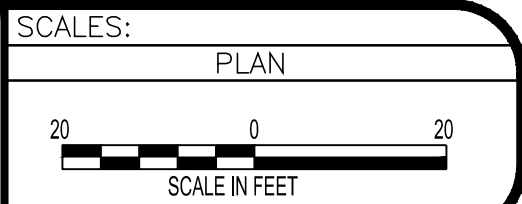


PARSE 218 PHOTO #12 STA: 92+03.75

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