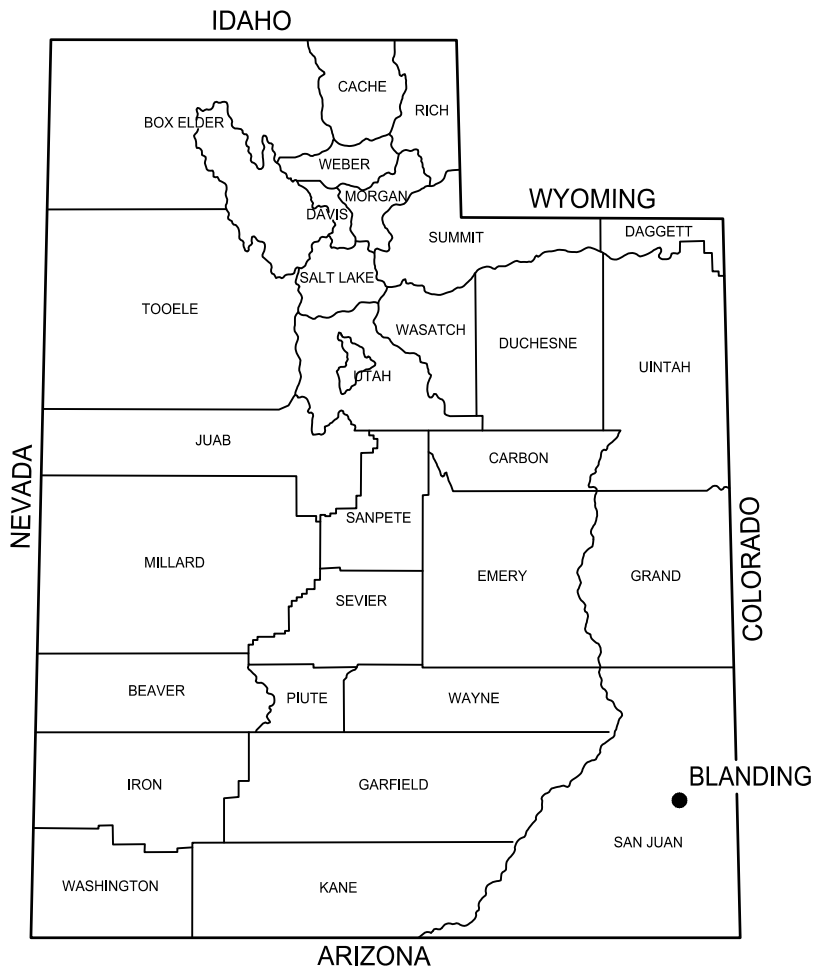
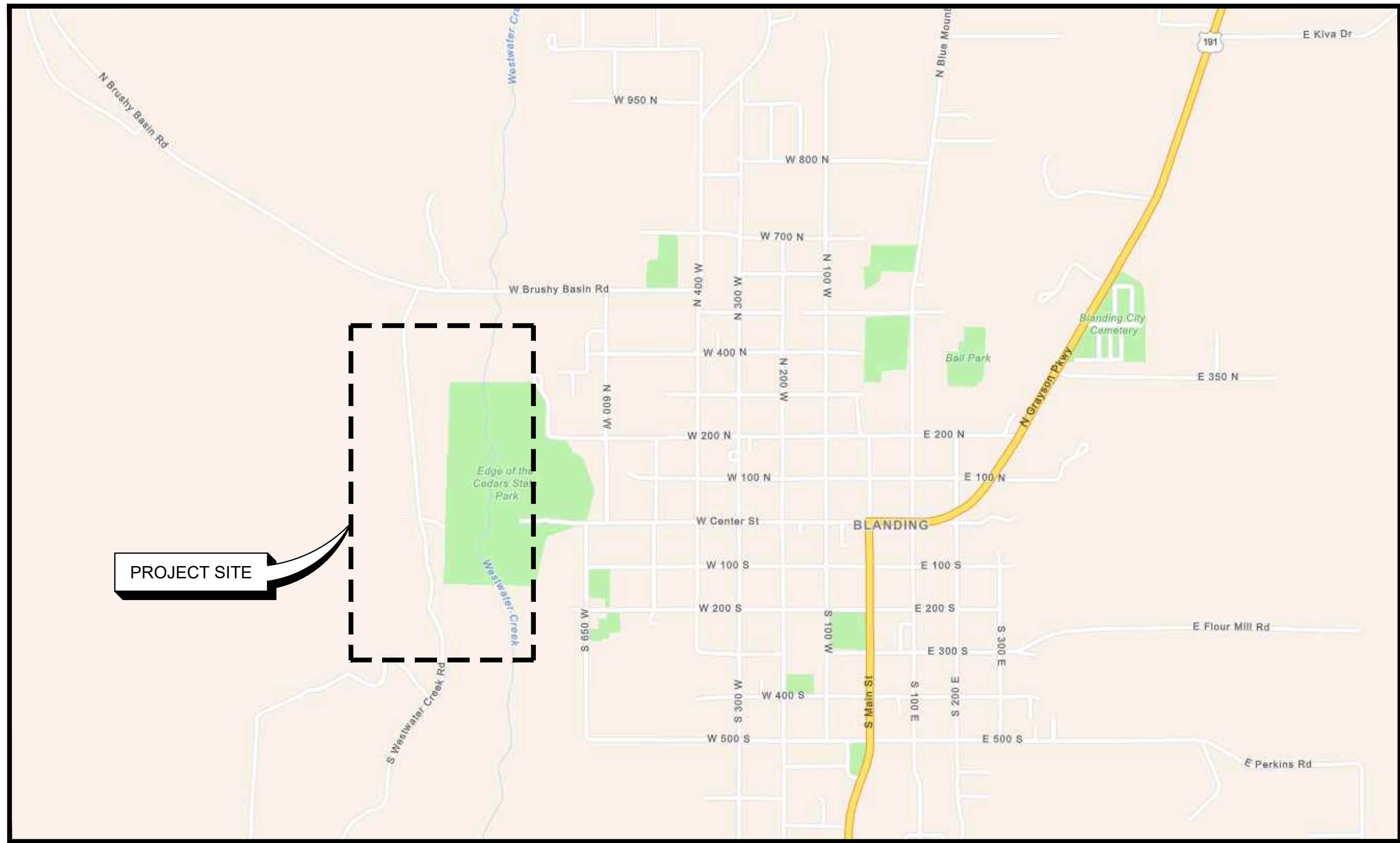


Path: C:\BCP\W\0284\190 FILENAME: G-000.DWG PLOT DATE: 8/17/2023 11:20 AM CAD USER: DAVID DAVIDSE



WESTWATER WATER SYSTEM DESIGN

AUGUST 2023
60% SUBMITTAL



VICINITY MAP
PLAN
NOT TO SCALE



SALT LAKE CITY, UTAH

THIS DRAWING IS NOT VALID
FOR CONSTRUCTION
PURPOSES UNLESS IT BEARS
THE SEAL OF A DULY
REGISTERED PROFESSIONAL

60% SUBMITTAL



WESTWATER
WATER SYSTEM
DESIGN

REVISIONS

REV	DATE	DESCRIPTION

LINE IS 2 INCHES
AT FULL SIZE

DESIGNED: C. WILLMORE

DRAWN: D. DAVIDSE

CHECKED: ---

CHECKED: ---

APPROVED: S. BRENCHEY

FILENAME

G-000.DWG

BC PROJECT NUMBER

158815

CLIENT PROJECT NUMBER

GENERAL

COVER SHEET

DRAWING NUMBER

G-000

SHEET NUMBER
OF

XX

XX

GENERAL NOTES

NTS

4

FUTURE PIPING

PIPE CENTERLINE
ELEVATION CALL OUT IN
SECTION

- G GENERAL
- GX GENERAL (DISCIPLINE SPECIFIC)(X - DENOTES DISCIPLINE)
- D DEMOLITION
- C CIVIL
- S STRUCTURAL
- M PROCESS/MECHANICAL
- E ELECTRICAL
- N INSTRUMENTATION

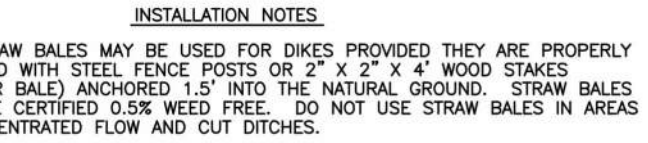
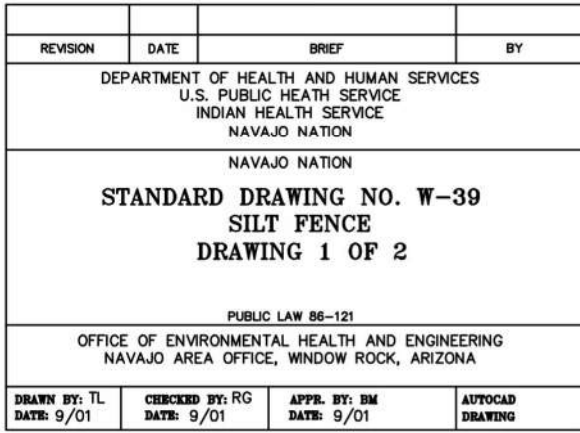
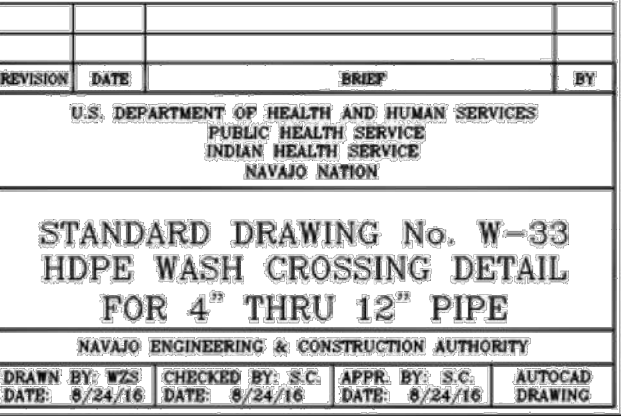
1. THE NOTE IN THE TITLEBLOCK OF THIS DRAWING WHICH READS "TWO INCHES AT FULL SCALE" APPEARS ON DRAWINGS FOR IDENTIFICATION OF SCALE DISTORTIONS ON HALF SIZE DRAWINGS AND DRAWING REPRODUCTIONS. IT SHALL MEAN THAT THE DRAWING IS FULL SIZE AND THE DRAWING SCALES ACCURATE WHEN THE LENGTH OF THIS LINE IS TWO INCHES. IF THE LENGTH IS OTHER THAN TWO INCHES, DRAWING SCALES MUST BE ADJUSTED ACCORDINGLY.
2. EXISTING PIPING IS DESIGNATED BY SERVICE RATHER THAN MATERIAL TYPE. MATERIAL TYPES, IF KNOWN, APPEAR OUTSIDE THE PIPING CALLOUT BUBBLE, AND MAY NOT BE THE SAME MATERIAL TYPES SPECIFIED FOR NEW PIPING.
3. ABBREVIATIONS USED IN THIS CONTRACT DOCUMENT CONFORM TO ANSI Y1.1, UNLESS NOTED OTHERWISE ON DRAWINGS. SEE SPEC. SECTION 01071 FOR ADDITIONAL ABBREVIATIONS.
4. ALL STANDARD DETAILS APPLY TO ALL THE CONTRACTORS WORK WHETHER SPECIFICALLY REFERENCED OR NOT.
5. SEE FRONT END SHEETS FOR EACH DISCIPLINES STANDARD SYMBOLS, ETC.
6. SEE ADDITIONAL GENERAL NOTES THROUGHOUT DRAWING SET.



D	A AMPERE		EMBD EMBEDDED		MD MOTORIZED DAMPER		SLR SILENCER	
	AC ASPHALTIC CONCRETE		ENCL ENCLOSURE		MEE MISCELLANEOUS ELECTRICAL EQUIPMENT		SN SCREEN	
	A/C AIR CONDITIONING		E/P ELECTRIC/PNEUMATIC		MGD MILLION GALLONS PER DAY		SP SPACE, SET POINT, STATIC PRESSURE	
	ACC AREA CONTROL CENTER		EPR EVAPORATOR		MG/L MILLIGRAMS PER LITER		SPG SPACING	
	ACP ASBESTOS CEMENT PIPE		EQ EQUAL		MIE MISCELLANEOUS INSTRUMENTATION EQUIPMENT		SPT SOUND POWERED TELEPHONE	
	ACST ACOUSTIC		EQUIP EQUIPMENT		MILSPEC MILITARY SPECIFICATION		SO2 SULFUR DIOXIDE	
	ACU AIR CONDITIONING UNIT		ES EXISTING SURFACE		MIN MINIMUM, MINUTE		SPL SPLICE	
	AF AIR FILTER		EWEF EACH WAY EACH FACE		MJ MECHANICAL JOINT		SR SPEED REDUCER, SALT RIVER PROJECT	
	AHU AIR HANDLING UNIT		EWT ENTERING WATER TEMPERATURE		ML MILLILITER		SR SAFETY RELIEF VALVE	
	AMD AIR MONITORING DEVICE		EXG EXHAUST GRILLE		MME MISCELLANEOUS MECHANICAL EQUIPMENT		SRG SPLIT-RANGING	
	ANC ANCHOR		EXIST EXISTING		MOP MOTOR OPERATOR		SS STAINLESS STEEL, SANITARY SEWER, SPEED SELECTOR	
	AR AIR RETURN				MOV MOTOR OPERATED VALVE		SSC SOLID STATE CONTROLLER	
	ARV AIR RELEASE VALVE		F FAHRENHEIT, FACE, FUSE(D), FAN		MUL/DIV MULTIPLY/DIVIDE		SSFH STAINLESS STEEL FLAT HEAD	
	AS AIR SUPPLY		FAI FRESH AIR INTAKE		MV MUD VALVE, MILLIVOLT		SSK SERVICE SINK	
	ATP VERTICAL TURBINE PUMP AIR RELEASE VALVE		FB FLAT BAR, FLOOR BEAM		MX MIXER		ST START	
	ATS AUTOMATIC TRANSFER SWITCH		FC FAIL CLOSED				STD STANDARD	
	AV ANGLE VALVE		FCL FREE CHLORINE		N NEUTRAL		STGA STARTING AIR	
			FCR FINE CRUSHED ROCK		NA NONAUTOMATIC		SUB SUBSTITUTE	
	BAC BACTERIOLOGICAL		FE FLOWMETER		NAOH SODIUM HYDROXIDE		SUP SUMP PUMP	
	BAV BALL VALVE		FF FAR FACE / FINISHED FLOOR		NEG NEGATIVE		SV SOLENOID VALVE	
	BC BEGINNING OF CURVE		F-F FACE TO FACE		NC NORMALLY CLOSED		SWB SWITCHBOARD	
	BCR BEGINNING OF CURVE RETURN		FH FIRE HYDRANT, FLATHEAD		NF NONFUSED		SWGR SWITCHGEAR	
	BCOP BARE COPPER		FIN FINISHED		NOX NITRATES AND NITRITES		SYM SYMMETRICAL	
	BFP BACK FLOW PREVENTER		FIT FLOW INDICATING TRANSMITTER		NPSH NET POSITIVE SUCTION HEAD			
	BFV BUTTERFLY VALVE		FL FLOW LINE		NRS NONRISING STEM		TP TANGENT POINT	
	BGAT BOOLEAN GATE		FLC FLOCCULATOR				TB TERMINAL BOX	
	BF BLIND FLANGE		FLP FLUID POWER UNIT		OA OUTSIDE AIR, OVERALL		T/B TOP OF BANK	
	BHP BRAKE HORSEPOWER		FLR FLOOR		OAI OUTSIDE AIR INTAKE		TBN TURBINE	
	BSN BAR SCREEN		FLT FILTER		OB OPPOSED BLADE		T/C TOP OF CURB	
	BUV BUTTERFLY VALVE		FM FORCE MAIN , FLOW METER		OL OVERLOAD		TCL TOTALLY CLOSED	
			FMH FLEXIBLE METAL HOSE		O-O OUT TO OUT		TCP TEMPERATURE CONTROL PANEL	
	CAB DIRECT BURIAL CABLE		FMX FLASH MIXER		ORF ODOR REMOVAL FILTER		TD TIME DELAY RELAY	
	CAF COMBUSTION AIR FAN		FO FAIL OPEN		ORP OXIDATION REDUCTION POTENTIAL		TFR TRANSFORMER	
	CAV COMBO AIR VALVE		FP FILTER PRESS		ORT ODOR REMOVAL TOWER		TNK TANK	
	CC COOLING COIL		FPC FLEXIBLE PIPE COUPLING		OSA OUTSIDE AIR		TOA TEST-OFF-AUTO	
	C-C CENTER TO CENTER		FPC TO TAKE TENSION		OSC ODOR SCRUBBER		TOC TOTAL ORGANIC CARBON	
	CCP CONCRETE CYLINDER PIPE		FRS FREEZESTAT				TPG TOPPING	
	CCSP CONCRETE LINED AND COATED STEEL PIPE		FS FLOW SWITCH, FIRESTAT		P PUMP		TPLX TRIPLEXED	
	CD CEILING DIFFUSER		FT FLASH TANK		PAR PARALLEL		TR TIMING RELAY, STAIR TREAD	
	CDR CONDUCTOR				PC PLAIN CONCRETE, PIPE COUPLING		TRM TRANSMITTER	
	CDU CONDENSING UNIT		G POWER ACTUATED GATE		PCC PLANT CONTROL CENTER		TRN TRANSDUCER	
	CED CEILING EXHAUST DIFFUSER		GAC GRANULATING ACTIVATED CARBON		PCHV PINCH VALVE		TRS TRANSFER SWITCH	
	CER CEILING EXHAUST REGISTER		GB GRADE BREAK		PCP PLAIN CONCRETE PIPE		TS TEMPERATURE SWITCH	
	CF CUBIC FEET		GBV GLOBE VALVE		PC-T PIPE COUPLING TO TAKE TENSION		TV THERMOSTATIC VALVE	
	CFH CUBIC FEET PER HOUR		GDR GRINDER		PCU PHOTOELECTRIC CONTROL UNIT			
	CFR CODE OF FEDERAL REGULATIONS		GEN GENERATOR		P/E PNEUMATIC/ELECTRIC		UG UNDERGROUND	
	CHR CHILLER		GFI GROUND FAULT INTERRUPTOR		PF POWER FACTOR		UL ULTIMATE LOAD	
	CIRC CIRCUMFERENCE		GPD GALLONS PER DAY		PI PROPORTIONAL PLUS INTEGRAL CONTROL , PRESSURE GAUGE		UN UNION	
	CK CHECKER(ED)		GRDR GRINDER		PID PROPORTIONAL PLUS INTEGRAL PLUS DERIVATIVE CONTROL		UP UTILITY POLE	
	CKPL CHECKER PLATE		GRT GROUT		PIT PRESSURE INDICATING TRANSMITTER		UPS UNINTERRUPTIBLE POWER SUPPLY	
	C CENTERLINE		GSP GALVANIZED STEEL PIPE		PIVC POINT OF INTERSECTION ON VERTICAL CURVE		US UTILITY STATION	
	CL CLEARANCE		GT GATE		PL PROPERTY LINE, PIPELINE, PLATE		USS UNIT SUBSTATION	
	CL2 CHLORINE		GV GATE VALVE		PLV PLUG VALVE			
	CM MANUAL CONTROL STATION		H/A HAND AUTO		PLYWD PLYWOOD		V VALVE, VOLTS	
	CMA MANUAL-AUTO CONTROL STATION		HC HEATING COIL		PMP PUMP		VAC VOLTS ALTERNATING CURRENT	
	CMC CEMENT MORTAR COATED		HEX HEAT EXCHANGER		PNL PANEL, PANELBOARD		VAR VARIES, VARIABLE	
	CML CEMENT MORTAR LINED		HDOT HEAVY DUTY OILTIGHT		PO4 PHOSPHATE		VC VERTICAL CURVE	
	CMPA ASBESTOS PROTECTED CORRUGATED METAL PIPE		HG MERCURY, HAND GRADE		POP PNEUMATIC OPERATOR		VCP VITRIFIED CLAY PIPE	
	CNTL CONTROL		HHV HEAT HOSE VALVE		PP POWER POLE		VD VOLUME DAMPER	
	CO2 CARBON DIOXIDE		HOA HAND-OFF-AUTO		PRES PRESSURE		VDC VOLTS DIRECT CURRENT	
	COD CHEMICAL OXYGEN DEMAND		HOR HORIZONTAL		PRD PRESSURE RELIEF DAMPER		VEN VENTILATOR	
	COF COOLING AIR FAN		HP HIGH PRESSURE, HIGH POINT, HORSEPOWER		PRV PRESSURE REGULATING (REDUCING) (RELIEF) VALVE		VFD VARIABLE FREQUENCY DRIVE	
	COM COMMUNITOR		HR HANDRAIL, HEAT RESERVOIR		PRS PRESSURE REDUCING STATION		VFT VACUUM FILTER	
	CON CONVEYOR		HRS HIGH SIGNAL SELECT		PS PRESSURE SWITCH, PRESSURE SENSOR , PUMP STATION		VP VAPOR PRESSURE, VACUUM PUMP	
	COND CONDUCTIVITY		HSS HIGH TEMPERATURE VENT		PSIA POUND PER SQUARE INCH ABSOLUTE		VSC VARIABLE SPEED COUPLING	
	CONN CONNECTION		HTV HOSE VALVE		PSIG POUNDS PER SQUARE INCH GAGE		VTR VENT THROUGH ROOF	
	CJ CONSTRUCTION JOINT		HV HEATING AND VENTILATING		PV PLUG VALVE, PROCESS VARIABLE		VV VARIABLE VOLUME BOX	
	CONT CONTINUED		H/V HEATING, VENTILATING AND AIR CONDITIONING		PVL PRESSURE VESSEL			
	CP COMPRESSOR		HVAC HEATING, VENTILATING AND AIR CONDITIONING		PVT PAVEMENT		WC WATER CLOSET, WATER COLUMN	
	CPVC CHLORINATED POLYVINYL CHLORIDE		HWTR HIGH WATER				WCO WALL CLEANOUT	
	CR CONDUIT RACK		HYDT HYDRANT		Q RATE OF FLOW		WEG WALL EXHAUST GRILLE	
	CRF CHEMICAL FEEDER		ICN INCINERATOR		QCPLG QUICK COUPLING		WER WALL EXHAUST REGISTER	
	CRN CRANE						WF WIDE FLANGE	
	CREJ CORRUGATED RUBBER EXPANSION JOINT		IF INSIDE FACE		R RADIUS		WG WASTE GAS	
	CSD CEILING SUPPLY DIFFUSER		IL INDICATING LAMP		RA RETURN AIR		WM WATER METER	
	CTF CENTRIFUGE		INF INFLUENT		RAF ROLL TYPE AIR FILTER		WSR WALL SUPPLY REGISTER, WASHER	
	CTR CONTRACTOR, CONTROL UNIT		INS INSULATE(D)(ION)		RCR RECORDER		WSTP WATERSTOP	
	CV CONTROL VALVE		INTER INTERMEDIATE		REC RECEIVER		WT WATERTIGHT	
			INT INTERIOR		RECD RECEIVED		WTP WATER TREATMENT PLANT	
	DB DUCT BANK		INV INVERT		RECP RECEPTACLE		WV WATER VALVE	
	DE DENSITY METER		IT INSTRUMENT TAP		RED REDUCE(R)		WWF WELDED WIRE FABRIC, WET WEATHER FLOW	
	DF DRINKING FOUNTAIN				REG REGULATOR			
	DFD DUCT FIRE DAMPER		JST JOIST		REL RELAY		X SPARE CONDUIT	
	DG DOOR GRILLE				RT RIGHT		XLP CROSS LINKED POLYETHYLENE	
	DI DUCTILE IRON		K KIP (1000 POUNDS)		RTP REINFORCED THERMOSET PLASTIC		XP EXPLOSION-PROOF	
	DM DAMPER MOTOR		KV KILOVOLT		RTU REMOTE TERMINAL UNIT			
	DR DRAIN ROCK		KVA KILOVOLT AMPERE		RGS RIGID GALVANIZED STEEL		YCO YARD CLEANOUT	
	DT DRAIN TRAP		KVAR KILOVAR		RL REDUCED LEVEL			
	DU DRIVE UNIT		KW KILOWATT		RW RECLAIMED WATER		ZS POSITION SWITCH	
	DWF DRY WEATHER FLOW				RWCD RECALMED WATER CONSERVATION DISTRICT			
					RWL RAINWATER LEADER			
	EA EXHAUST AIR / ENVIRONMENTAL ASSESSMENT		LAT LEAVING AIR TEMPERATURE, LATERAL, LATITUDE		S SOUTH, SILENCER			
	EAT ENTERING AIR TEMPERATURE		LCP LOCAL CONTROL PANEL		SB SIGNAL BOX			
	EAU ENGINE ALTERNATOR UNIT		LE LEVEL METER		SBD SWITCHBOARD			

1		2		3		4		5		6																																									
CIVIL SYMBOLS		GENERAL CIVIL NOTES																																																	
<div><div><div><div><div></div><div></div></div><div>W</div><div></div></div><div>WATERLINE</div></div><div><div><div><div><div></div><div></div></div><div></div><div></div></div><div>W</div><div></div></div><div>EXISTING WATERLINE</div></div><div><div><div><div><div></div><div></div></div><div></div><div></div></div><div>OHP</div><div></div></div><div>OVERHEAD POWER LINE</div></div><div><div><div><div><div></div><div></div></div><div></div><div></div></div><div>OHP</div><div></div></div><div>EXISTING OVERHEAD POWER LINE</div></div><div><div><div><div><div></div><div></div></div><div></div><div></div></div><div>UGTEL</div><div></div></div><div>EXISTING UNDERGROUND TELEPHONE LINE</div></div><div><div><div><div><div></div><div></div></div><div></div><div></div></div><div>G</div><div></div></div><div>EXISTING GAS LINE</div></div><div><div><div><div><div></div><div></div></div><div>O</div><div></div></div><div>O</div><div></div></div><div>FENCE</div></div><div><div><div><div><div></div><div></div></div><div>X</div><div></div></div><div>X</div><div></div></div><div>EXISTING FENCE</div></div><div><div><div><div><div></div><div></div></div><div>6700</div><div></div></div><div>CONTOUR LINE</div></div><div><div><div><div><div></div><div></div></div><div>6700</div><div></div></div><div>EXISTING CONTOUR LINE</div></div><div><div><div><div><div></div><div></div></div><div></div><div></div></div><div></div><div></div></div><div>GATE VALVE</div></div><div><div><div><div><div></div><div></div></div><div></div><div></div></div><div>WV</div><div></div></div><div>EXISTING GATE VALVE</div></div><div><div><div><div><div></div><div></div></div><div></div><div></div></div><div></div><div></div></div><div>WELL</div></div><div><div><div><div><div></div><div></div></div><div></div><div></div></div><div></div><div></div></div><div>EXISTING WELL</div></div><div><div><div><div><div></div><div></div></div><div></div><div></div></div><div></div><div></div></div><div>POWER POLE</div></div><div><div><div><div><div></div><div></div></div><div></div><div></div></div><div></div><div></div></div><div>EXISTING POWER POLE</div></div><div><div><div><div><div></div><div></div></div><div></div><div></div></div><div></div><div></div></div><div>EXISTING GUY WIRE</div></div><div><div><div><div><div></div><div></div></div><div></div><div></div></div><div></div><div></div></div><div>REDUCER</div></div><div><div><div><div><div></div><div></div></div><div></div><div></div></div><div>D</div><div></div></div><div>EXISTING REDUCER</div></div><div><div><div><div><div></div><div></div></div><div></div><div></div></div><div></div><div></div></div><div>FLUSH VALVE</div></div><div><div><div><div><div></div><div></div></div><div></div><div></div></div><div></div><div></div></div><div>AIR RELEASE VALVE</div></div><div><div><div><div><div></div><div></div></div><div></div><div></div></div><div></div><div></div></div><div>SURVEY MARKING</div></div><div><div><div><div><div></div><div></div></div><div></div><div></div></div><div></div><div></div></div><div>WATER LINE CASING</div></div></div></div></div>		<div>GENERAL NOTES</div> <div><div><div>1. CONTRACTOR SHALL VERIFY (POTHOLE IF NECESSARY) ALL EXISTING UTILITIES (VERTICAL AND HORIZONTAL LOCATION), CONDUITS, FOUNDATIONS AND OTHER UNDERGROUND OBJECTS PRIOR TO THE START OF WORK.</div><div>2. FENCES, SIGNS, CURBS, LIGHT POLES, IRRIGATION PIPING, CONTROL WIRING, AND SPRAY HEADS, ETC. SHALL BE REMOVED AND REPLACED AS NECESSARY TO PERFORM THE WORK. UNLESS OTHERWISE INDICATED, ALL SUCH WORK SHALL BE INCIDENTAL TO CONSTRUCTION OF THE PROJECT. ALL DISTURBED AREAS INCLUDING CONCRETE STEPS, TIMBER STEPS, RETAINING WALLS, CONCRETE SIDEWALKS, PAVEMENT, LIGHT POSTS, CURBS, UNDERGROUND PIPING AND STRUCTURES SHALL BE RESTORED TO MATCH EXISTING UNLESS OTHERWISE NOTED.</div><div>3. ALL AREAS DISTURBED BY THE CONTRACTOR BEYOND THE LIMIT OF WORK SHALL BE RESTORED AT NO ADDITIONAL COST TO THE OWNER.</div><div>4. THE CONTRACTOR SHALL NOT STORE ANY APPARATUS, MATERIALS, SUPPLIES, AND EQUIPMENT ON DRAINAGE STRUCTURES OR WITHIN 100 FEET OF WETLANDS.</div><div>5. THE CONTRACTOR SHALL GRADE PROPOSED SLOPES TO MEET EXISTING SLOPES WHERE SHOWN ON PLANS.</div><div>6. THE CONTRACTOR SHALL INSTALL AND MAINTAIN EROSION CONTROL DEVICES.</div><div>7. THE CONTRACTOR SHALL NOTIFY NTUA AT LEAST 72 HOURS PRIOR TO EXCAVATING NEAR ANY UTILITIES.</div><div>8. CONTRACTOR LAYOUT AREAS SHALL BE COORDINATED AND APPROVED BY THE CONSTRUCTION MANAGER AND NTUA. LIMITED SPACE IS AVAILABLE WITHIN THE SITE. NTUA SHALL NOT BE RESPONSIBLE FOR PROTECTING OR SECURING CONTRACTOR LAYOUT AND STORAGE AREAS, AND OWNER SHALL NOT BE LIABLE FOR THEFT OR DAMAGE TO CONTRACTORS STORED MATERIALS OR EQUIPMENT.</div><div>9. ALL EXISTING UTILITY INFORMATION WAS OBTAINED FROM NTUA AND FIELD SURVEY. THIS INFORMATION MAY NOT BE COMPLETELY ACCURATE OR INDICATE ALL OF THE UTILITIES, UNDERGROUND PIPING, OR BURIED STRUCTURES PRESENT.</div><div>10. ALL TRENCH EXCAVATIONS SHALL BE COMPLETELY CLOSED AT THE END OF EACH WORKING DAY BY BACKFILLING. COVERING WITH STEEL PLATES MAY BE ALLOWED IF APPROVED BY THE CONSTRUCTION MANAGER.</div><div>11. THE CONTRACTOR SHALL COMPLY WITH ALL APPLICABLE REGULATIONS OF THE OCCUPATIONAL SAFETY AND HEALTH ADMINISTRATION (OSHA).</div><div>12. REFER TO THE SPECIFICATIONS FOR INFORMATION REGARDING ANY NECESSARY COORDINATION WITH OTHERS, INCLUDING RESPONSIBILITIES AND RELATED COSTS.</div></div></div>		<div>SITE GRADING NOTES</div> <div><div><div>1. STRIPPING OF TOPSOIL SHALL BE IN ACCORDANCE WITH SPECIFICATION SECTION 31 23 00 EARTHWORK.</div><div>2. ALL ROAD AND PARKING AREA SURFACES SHALL PITCH 2 PERCENT MINIMUM UNLESS OTHERWISE NOTED.</div><div>3. CONTRACTOR SHALL NOT TRACK OR SPILL EARTH, DEBRIS OR OTHER CONSTRUCTION MATERIAL ON PUBLIC OR PRIVATE STREETS. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE IMMEDIATE ASSOCIATED CLEAN UP.</div><div>4. ALL CATCH BASINS, MANHOLES, VALVE PITS, VALVE BOXES AND OTHER BURIED FACILITIES WITH SURFACE ACCESS SHALL BE ADJUSTED TO MATCH FINAL GRADES, UNLESS OTHERWISE INDICATED.</div><div>5. CONTRACTOR SHALL REMOVE AND DISPOSE OF ALL DEBRIS AND EXCESS EXCAVATED MATERIAL FROM WITHIN THE CONSTRUCTION LIMIT OF WORK, TO A SUITABLE SITE IN COMPLIANCE WITH NAVAJO NATION REGULATIONS.</div><div>6. WHERE EXISTING PAVEMENT IS REMOVED AND REPLACED, MATCH EXISTING GRADES TO THE EXTENT POSSIBLE. COORDINATE FINE GRADING WITH THE CONSTRUCTION MANAGER.</div><div>7. CONTRACTOR TO REGRADE, AND RESEED ALL DISTURBED AREAS PER CONSTRUCTION MANAGER AND PER SPEC 31 25 00.</div></div></div>		<div>SITE PIPING NOTES (CONT'D.)</div> <div><div><div>4. A MINIMUM OF 48-INCHES OF COVER REQUIRED ON PIPES UNLESS NOTED OTHERWISE.</div><div>5. REFER TO SPECIFICATION SECTION 31 23 00 AND CIVIL DETAILS FOR PIPE AND STRUCTURE BEDDING AND BACKFILL REQUIREMENTS.</div><div>6. COMPACTION TESTS WILL BE PERFORMED IN ACCORDANCE WITH SPECIFICATION SECTION 31 23 00, EARTHWORK. ANY SETTLEMENT OCCURRING WITHIN ONE YEAR OF FINAL COMPLETION OF THE WORK SHALL BE CORRECTED BY THE CONTRACTOR AT NO ADDITIONAL COST.</div><div>7. WHERE NEW PIPING IS TO BE CONNECTED TO EXISTING PIPING, THE CONTRACTOR SHALL EXCAVATE A TEST PIT TO VERIFY LOCATION, ELEVATION, ORIENTATION AND MATERIAL OF CONSTRUCTION BEFORE ORDERING MATERIALS.</div><div>8. WHERE NEW PIPING IS TO BE CONNECTED TO EXISTING PIPING, THE CONTRACTOR SHALL FURNISH AND INSTALL ALL ADAPTERS, FITTINGS, AND ADDITIONAL PIPE AS REQUIRED TO COMPLETE THE CONNECTION.</div><div>9. POTABLE WATER LINES SHOULD BE INSTALLED OVER WASTEWATER LINES. A MINIMUM SEPARATION OF 18 INCHES BETWEEN THE BOTTOM OF THE POTABLE WATER LINE AND THE TOP OF THE WASTEWATER LINE SHALL BE MAINTAINED. A HORIZONTAL SEPARATION OF AT LEAST 10 FEET MUST ALSO BE MAINTAINED.</div><div>10. ALL STRUCTURES AND PIPELINES LOCATED ADJACENT TO ANY TRENCH EXCAVATION SHALL BE PROTECTED AND FIRMLY SUPPORTED BY THE CONTRACTOR UNTIL THE TRENCH IS BACKFILLED. DAMAGE TO ANY SUCH STRUCTURES CAUSED BY OR RESULTING FROM THE CONTRACTOR'S OPERATIONS SHALL BE REPAIRED AT THE CONTRACTORS EXPENSE. ALL UTILITIES REQUIRING REPAIR, RELOCATION OR ADJUSTMENT AS A RESULT OF THE PROJECT SHALL BE COORDINATED THROUGH THE CONSTRUCTION MANAGER.</div><div>11. ALL EXISTING UTILITIES ENCOUNTERED DURING CONSTRUCTION ARE TO REMAIN IN SERVICE THROUGHOUT THE PROJECT, UNLESS OTHERWISE NOTED.</div><div>12. ALL EXISTING UTILITIES REPLACED OR RELOCATED SHALL BE CONSTRUCTED OF NEW MATERIALS, APPROVED BY THE CONSTRUCTION MANAGER, SIMILAR TO THOSE OF THE EXISTING UTILITY.</div></div></div>		<div>SITE PIPING NOTES (CONT'D.)</div> <div><div><div>13. UNLESS OTHERWISE INDICATED, CONCRETE USED FOR ENCASEMENT, ANCHOR BLOCKS, BACKING, PIPE CRADLES, ARCHES AND FILL SHALL HAVE A MINIMUM COMPRESSIVE STRENGTH OF 3,000 PSI AT 28 DAYS.</div><div>14. SURVEY COORDINATES AND ELEVATIONS SHALL BE PROVIDED FOR ALL BURIED PIPING BENDS AND VALVES ON AS-BUILT DRAWINGS.</div><div>15. PROVIDE VALVE BOXES FOR ALL BURIED VALVES.</div><div>16. THE CONTRACTOR WILL POTHOLE AS REQUIRED AND SHALL FIELD INVESTIGATE PIPING AND INTERFERENCES WITH EXISTING FACILITIES PRIOR TO BEGINNING WORK. CONTRACTOR SHALL FIELD ROUTE NEW LINES AS NECESSARY TO AVOID EXISTING FACILITIES AND SHALL COORDINATE FIELD ROUTING WITH CONSTRUCTION MANAGER.</div><div>17. UNLESS NOTED OTHERWISE ALL UNDERGROUND PIPING SHALL BE INSTALLED PER TRENCH DETAIL C/C-003</div><div>18. ASPHALT SURFACES DISTURBED DURING UNDERGROUND PIPING INSTALLATION, DUCT BANK INSTALLATION AND OTHER ACTIVITIES SHALL BE REPAIRED.</div></div></div>		<div>SITE LAYOUT NOTES (CONT'D.)</div> <div><div><div>7. SURVEY IS BASED ON NAD 83 AND THE UTAH STATE PLANE SOUTH ZONE MEASURE IN INTERNATIONAL FEET. SURVEY ELEVATIONS ARE BASED ON NAVD 88 EXPRESSED IN INTERNATIONAL FEET. SHOWN DISTANCES AND COORDINATES AT GROUND VALUES NOT GRID VALUES. TO OBTAIN SPC GRID VALUES MULTIPLY THE DISTANCE AND COORDINATE SHOWN BY A COMBINED FACTOR OF 0.99960803.</div></div><div>PERMITS AND NOTIFICATION NOTES</div><div><div><div>1. THE CONTRACTOR SHALL COMPLETE A STORMWATER POLLUTION PREVENTION PLAN (SWPPP) FOR THE PROJECT. SEE SPECIFICATION SECTION 01 57 13.</div><div>2. THE CONTRACTOR SHALL NOTIFY THE CONSTRUCTION MANAGER TWENTY-FOUR (24) HOURS PRIOR TO COMMENCING PERMITTED WORK, TWENTY-FOUR (24) HOURS PRIOR TO ANY REQUIRED INSPECTION, AND AFTER COMPLETING WORK COVERED BY THE PERMIT.</div><div>3. A REQUEST FOR SHUTDOWN SHALL BE REQUIRED WHENEVER CONNECTIONS ARE MADE TO ANY UTILITY LINE, INCLUDING ELECTRIC POWER AND COMMUNICATION LINES; GAS, WATER, AND SANITARY SEWERS OR STORM SEWERS. CONNECTIONS TO ANY UTILITY WITHOUT AN APPROVED REQUEST WILL MAKE THE CONTRACTOR LIABLE TO THE OWNER FOR CORRECTION OF ANY DEFICIENCIES AND/OR RESULTING PROBLEMS, INCLUDING (BUT NOT LIMITED TO) HEALTH, SAFETY, AND FINANCIAL PROBLEMS. THE CONTRACTOR SHALL REQUEST PERMISSION AT LEAST FOUR (4) WORKING DAYS PRIOR TO THE DAY PLANNED FOR ANY UTILITY SHUT-DOWN. ALL UTILITY SHUT-DOWNS ARE SUBJECT TO APPROVAL BY THE OWNER.</div></div></div></div>																																									
										<div><div><div><div><div></div><div></div></div><div>Brown AND Caldwell</div><div></div></div></div><div>SALT LAKE CITY, UTAH</div><div></div><div>THIS DRAWING IS NOT VALID FOR CONSTRUCTION PURPOSES UNLESS IT BEARS THE SEAL OF A DULY REGISTERED PROFESSIONAL</div><div>60% SUBMITTAL</div><div><div><div><div></div><div></div></div><div>NTUA</div><div>UTILITIES FOR THE NAVAJO NATION</div></div></div><div>WESTWATER WATER SYSTEM DESIGN</div><div>REVISIONS</div><table><tr><th>REV</th><th>DATE</th><th>DESCRIPTION</th></tr><tr><td></td><td></td><td></td></tr><tr><td></td><td></td><td></td></tr><tr><td></td><td></td><td></td></tr><tr><td></td><td></td><td></td></tr><tr><td></td><td></td><td></td></tr><tr><td></td><td></td><td></td></tr><tr><td></td><td></td><td></td></tr><tr><td></td><td></td><td></td></tr><tr><td></td><td></td><td></td></tr><tr><td>----</td><td>----</td><td>----</td></tr><tr><td>----</td><td>----</td><td>----</td></tr></table><div>LINE IS 2 INCHES AT FULL SIZE</div><div>DESIGNED: C. WILLMORE</div><div>DRAWN: D. DAVIDSE</div><div>CHECKED: ----</div><div>CHECKED: ----</div><div>APPROVED: S. BRENCHLEY</div><table><tr><td>FILENAME</td></tr><tr><td>C-001.DWG</td></tr><tr><td>BC PROJECT NUMBER</td></tr><tr><td>158815</td></tr></table></div>		REV	DATE	DESCRIPTION																												----	----	----	----	----	----	FILENAME	C-001.DWG	BC PROJECT NUMBER	158815
REV	DATE	DESCRIPTION																																																	
----	----	----																																																	
----	----	----																																																	
FILENAME																																																			
C-001.DWG																																																			
BC PROJECT NUMBER																																																			
158815																																																			
										<div>CIVIL</div> <div>GENERAL CIVIL NOTES AND SYMBOLS</div> <div>DRAWING NUMBER</div> <div>C-001</div> <div>XX SHEET NUMBER OF XX</div>																																									
1		2		3		4		5		6																																									





REVISION	DATE	BRIEF	BY
DEPARTMENT OF HEALTH AND HUMAN SERVICES U.S. PUBLIC HEALTH SERVICE INDIAN HEALTH SERVICE NAVAJO NATION			
NAVAJO NATION STANDARD DRAWING NO. W-40 STRAW BALES			
PUBLIC LAW 86-121 OFFICE OF ENVIRONMENTAL HEALTH AND ENGINEERING NAVAJO AREA OFFICE, WINDOW ROCK, ARIZONA			
DRAWN BY: TL	CHECKED BY: RG	APPROV. BY: EM	APPROV. DATE: 9/01
DATE: 9/01	DATE: 9/01	DATE: 9/01	DATE: 9/01
			APPROV. DRAWING



60% SUBMITTAL



WESTWATER WATER SYSTEM DESIGN

REVISIONS

REV	DATE	DESCRIPTION
-----	------	-------------

****	****	****
****	****	****

LINE IS 2 INCHES
AT FULL SIZE

DESIGNED: C. WILLMORE

DRAWN: D. DAVIDSE

CHECKED: ---

APPROVED: S. BRENCHLEY

FILENAME

C-005.DWC

BC PROJECT NUMBER
150015

CLIENT PROJECT NUMBER

1

CIVIL

CIVIL

IHS DET

THIS DAY

DRAWING NO. 000

C-00

SHEET NUM

OF

THIS DRAWING IS NOT VALID
FOR CONSTRUCTION
PURPOSES UNLESS IT BEARS
THE SEAL OF A DULY
REGISTERED PROFESSIONAL


60% SUBMITTAL



WESTWATER WATER SYSTEM DESIGN

REVISIONS

REV	DATE	DESCRIPTION
----	----	----
----	----	----



LINE IS 2 INCHES
AT FULL SIZE

DESIGNED: C. WILLMORE

DRAWN: D. DAVIDSE

CHECKED: ---

CHECKED: ---

APPROVED: S. BRENCHELY

FILENAME

C-100.DWG

BC PROJECT NUMBER

8815

CLIENT PROJECT NUMBER

CIVIL

KEY MAP

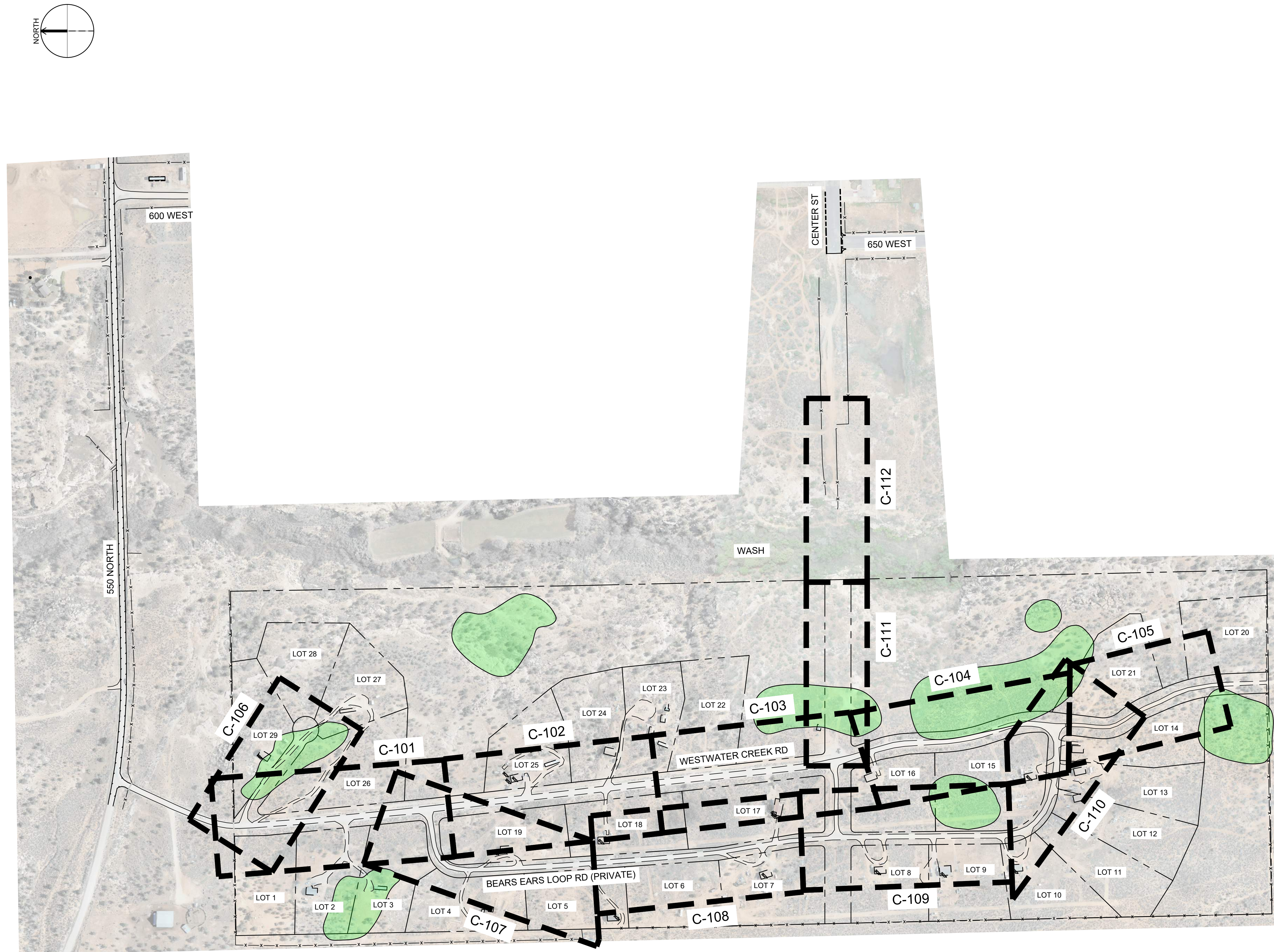
DRAWING NUMBER

C-100

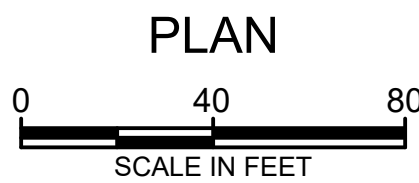
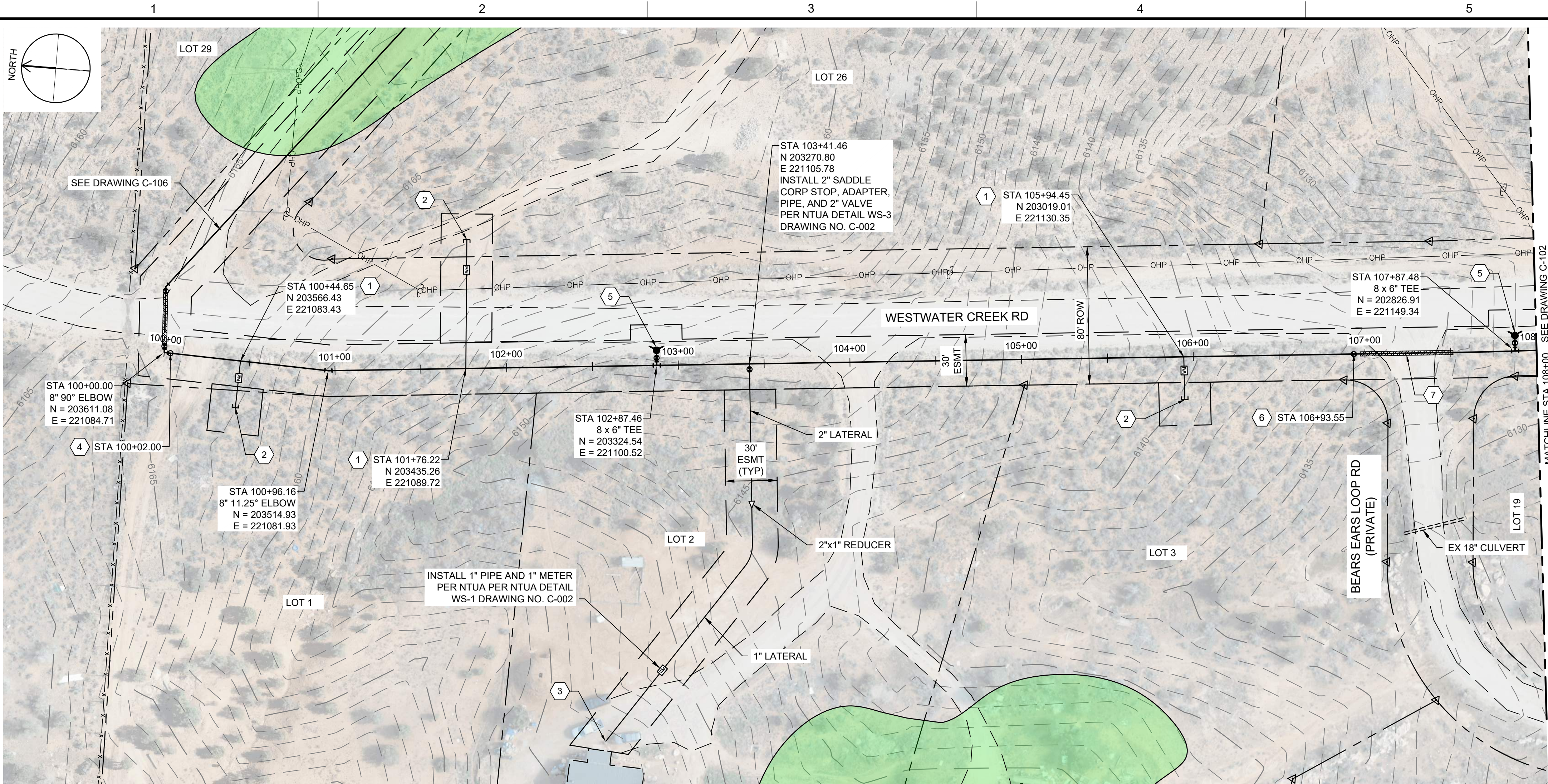
XX

SHEET

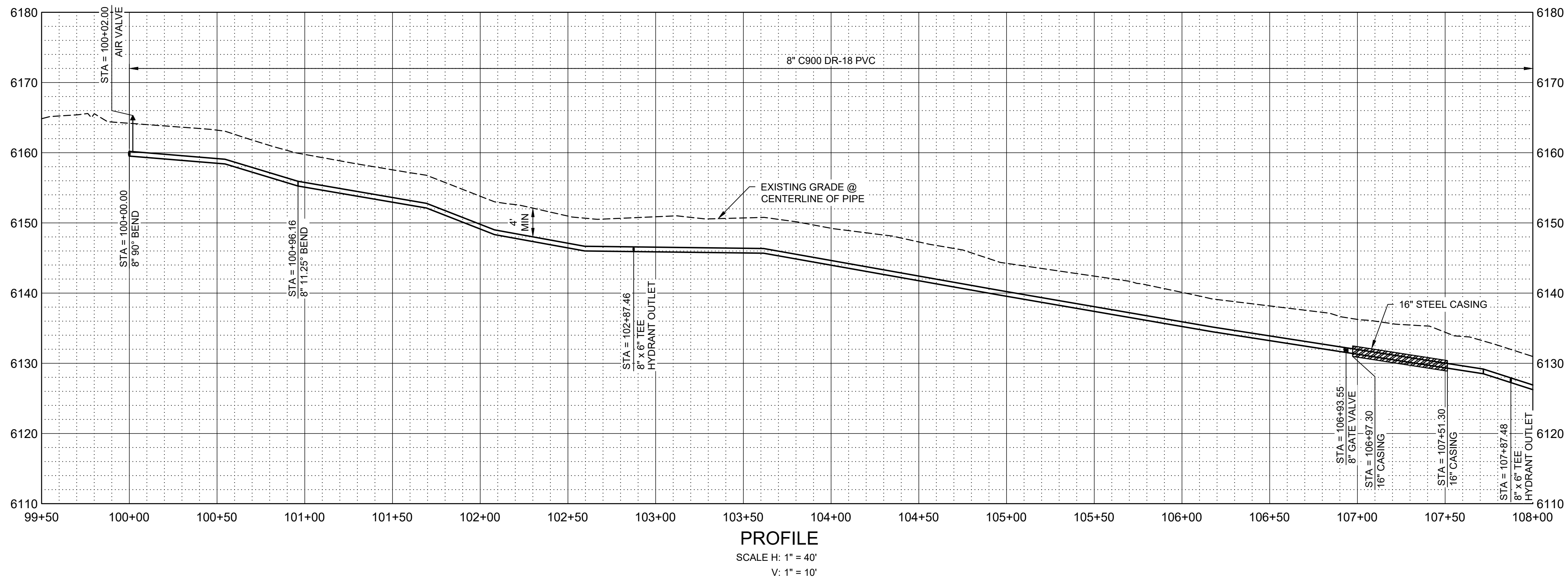
XX



Path: C:\BOPW\0284\183 FILENAME: C-101.DWG PLOT DATE: 8/17/2023 11:25 AM CAD USER: DAVID DAVIDSE



PLAN



PROFILE
SCALE H: 1" = 40'
V: 1" = 10'

GENERAL NOTES

1. ALL LOCATIONS OF UTILITIES SHOWN ARE APPROXIMATE. CONTRACTOR TO FIELD VERIFY AND POTHOLE AS REQUIRED TO COMPLETE THE WORK.
2. CONTRACTOR TO FIELD VERIFY PHYSICAL LOCATION, ELEVATIONS AND INVERTS. ELEVATIONS ARE BASED ON NAVD 88 EXPRESS IN INTERNATIONAL FEET.
3. CONTRACTOR TO PROVIDE THRUST BLOCKS AT ALL ELBOWS, TEES, CROSSES PER NTUA STD DWG WS-19 DRAWING NO. C-004. MECHANICAL JOINT RESTRAINTS CAN BE UTILIZED IN PLACE OF THRUST BLOCKS. EBA IRON MEGALUG SERIES 2000 PV FOR FITTINGS AND SERIES 2500 FOR PIPE JOINTS - INSTALL PER MANUFACTURE'S RECOMMENDATIONS.
4. CONTRACTOR TO INSTALL PIPE IN TRENCH PER NTUA STD DWG WS-15 DRAWING C-003.
5. DEFLECT PIPE IN ACCORDANCE WITH THE MANUFACTURER'S RECOMMENDATIONS AS NECESSARY.
6. ALL PIPING TO HAVE MJ X MJ FITTINGS UNLESS NOTED OR OTHERWISE SHOWN IN DETAILS.

KEY NOTES

1. INSTALL WATER LATERAL PER DETAIL WS-1 DRAWING NO. C-002 WITH PRV.
2. PLUG AND STUB WATER LATERAL FOR FUTURE CONNECTION.
3. DETACH EXISTING PIPE FROM EXISTING CISTERN. REMOVE AND SALVAGE EXISTING CISTERN FOR REUSE BY OTHERS AND CONNECT NEW LATERAL TO EXISTING PIPE. PROVIDE FILL MATERIAL FOR REMOVED CISTERN. PROVIDE 95% COMPACTION.
4. INSTALL CAV VALVE PER DETAIL WS-10 DRAWING NO. C-003.
5. INSTALL FIRE HYDRANT AND 6" VALVE PER WS-12 DRAWING NO. C-003.
6. INSTALL 8" GATE VALVE PER DETAIL WS-14 DRAWING NO. C-003.
7. INSTALL 16" STEEL CASING PER DETAIL WS-17A AND WS-18 DRAWING NO. C-004. PROVIDE STRUCTURAL FILL FOR ROAD CROSSING. REPLACE EXISTING ROAD BASE WITH SAME THICKNESS OR BETTER WITH 95% COMPACTION.
8. INSTALL CONCRETE ANCHOR BLOCK PER DETAIL W-33 DRAWING NO. C-005.
9. DIRECTIONAL BORE HDPE WASH CROSSING, SEE DETAIL W-33 DRAWING NO. C-005.

LEGEND

 ARCHEOLOGICAL SITE



SALT LAKE CITY, UTAH

THIS DRAWING IS NOT VALID FOR CONSTRUCTION PURPOSES UNLESS IT BEARS THE SEAL OF A DULY REGISTERED PROFESSIONAL

60% SUBMITTAL



WESTWATER
WATER SYSTEM
DESIGN

REVISIONS

REV	DATE	DESCRIPTION

LINE IS 2 INCHES
AT FULL SIZE

DESIGNED: C. WILLMORE

DRAWN: D. DAVIDSE

CHECKED:

CHECKED:

APPROVED: S. BRENCHELY

FILENAME

C-101.dwg

BC PROJECT NUMBER

158815

CLIENT PROJECT NUMBER

CIVIL

PLAN AND PROFILE
STA 100+00 TO STA
108+00

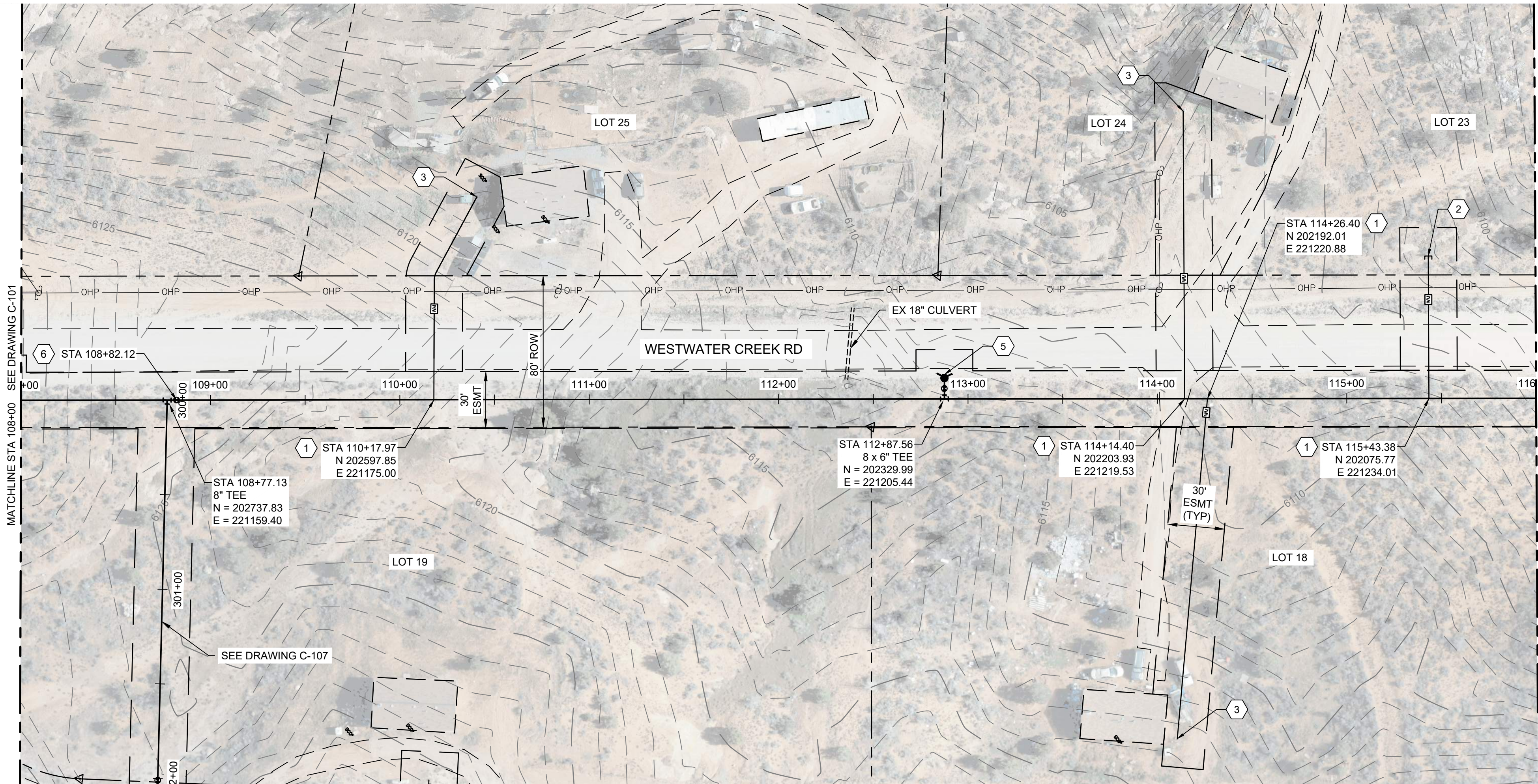
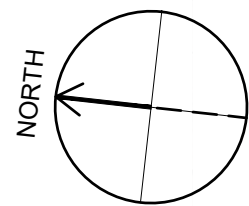
DRAWING NUMBER

C-101

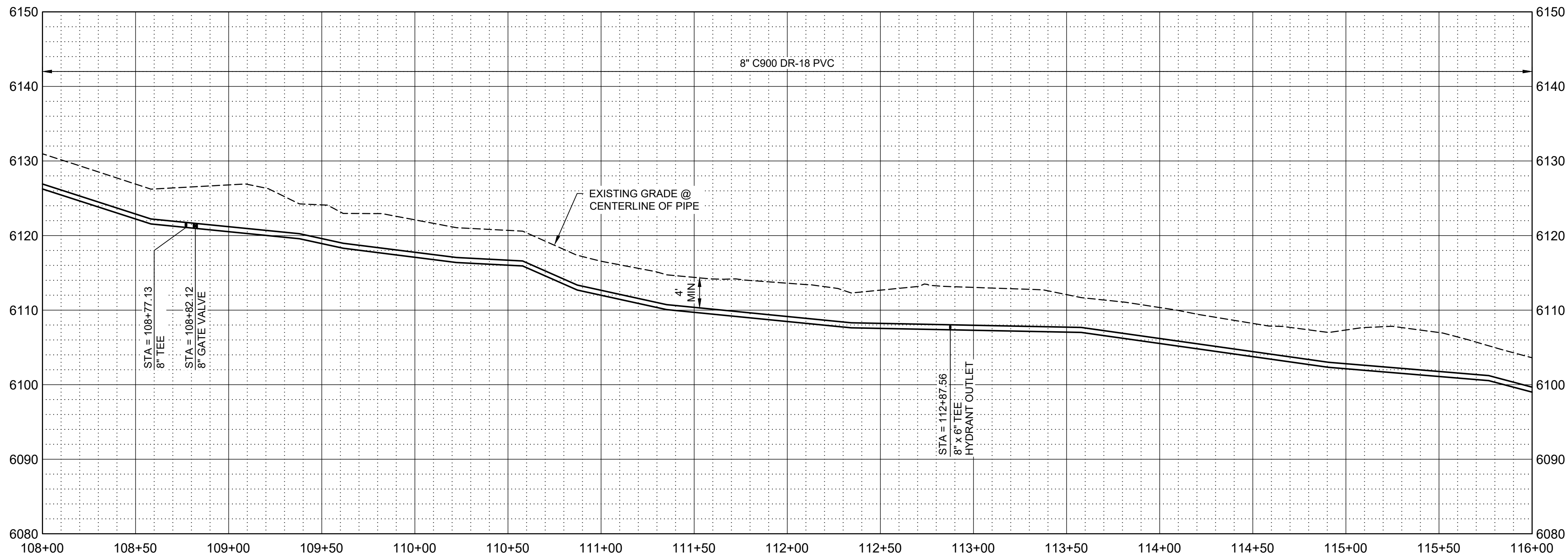
XX SHEET NUMBER OF XX

Know what's below.
Call 811 before you dig.
 **BLUE STAKES OF UTAH**
UTILITY NOTIFICATION CENTER, INC.
www.bluestakes.org
1-800-662-4111

Path: C:\BCP\W\0284\193 FILENAME: C-102.DWG PLOT DATE: 8/17/2023 11:26 AM CAD USER: DAVID DAVIDSE



PLAN



PROFILE

SCALE H: 1" = 40'
V: 1" = 10'

GENERAL NOTES

- ALL LOCATIONS OF UTILITIES SHOWN ARE APPROXIMATE. CONTRACTOR TO FIELD VERIFY AND POTHOLE AS REQUIRED TO COMPLETE THE WORK.
- CONTRACTOR TO FIELD VERIFY PHYSICAL LOCATION, ELEVATIONS AND INVERTS. ELEVATIONS ARE BASED ON NAVD 88 EXPRESS IN INTERNATIONAL FEET.
- CONTRACTOR TO PROVIDE THRUST BLOCKS AT ALL ELBOWS, TEES, CROSSES PER NTUA STD DWG WS-19 DRAWING NO. C-004. MECHANICAL JOINT RESTRAINTS CAN BE UTILIZED IN PLACE OF THRUST BLOCKS. EBA IRON MEGALUG SERIES 2000 PV FOR FITTINGS AND SERIES 2500 FOR PIPE JOINTS - INSTALL PER MANUFACTURE'S RECOMMENDATIONS.
- CONTRACTOR TO INSTALL PIPE IN TRENCH PER NTUA STD DWG WS-15 DRAWING C-003.
- DEFLECT PIPE IN ACCORDANCE WITH THE MANUFACTURER'S RECOMMENDATIONS AS NECESSARY.
- ALL PIPING TO HAVE MJ X MJ FITTINGS UNLESS NOTED OR OTHERWISE SHOWN IN DETAILS.

KEY NOTES

- INSTALL WATER LATERAL PER DETAIL WS-1 DRAWING NO. C-002 WITH PRV.
- PLUG AND STUB WATER LATERAL FOR FUTURE CONNECTION.
- DETACH EXISTING PIPE FROM EXISTING CISTERN. REMOVE AND SALVAGE EXISTING CISTERN FOR REUSE BY OTHERS AND CONNECT NEW LATERAL TO EXISTING PIPE. PROVIDE FILL MATERIAL FOR REMOVED CISTERN. PROVIDE 95% COMPACTION.
- INSTALL CAV VALVE PER DETAIL WS-10 DRAWING NO. C-003.
- INSTALL FIRE HYDRANT AND 6" VALVE PER WS-12 DRAWING NO. C-003.
- INSTALL 8" GATE VALVE PER DETAIL WS-14 DRAWING NO. C-003.
- INSTALL 16" STEEL CASING PER DETAIL WS-17A AND WS-18 DRAWING NO. C-004. PROVIDE STRUCTURAL FILL FOR ROAD CROSSING. REPLACE EXISTING ROAD BASE WITH SAME THICKNESS OR BETTER WITH 95% COMPACTION.
- INSTALL CONCRETE ANCHOR BLOCK PER DETAIL W-33 DRAWING NO. C-005.
- DIRECTIONAL BORE HDPE WASH CROSSING, SEE DETAIL W-33 DRAWING NO. C-005.

LEGEND

 ARCHEOLOGICAL SITE



SALT LAKE CITY, UTAH

THIS DRAWING IS NOT VALID FOR CONSTRUCTION PURPOSES UNLESS IT BEARS THE SEAL OF A DULY REGISTERED PROFESSIONAL

60% SUBMITTAL



WESTWATER WATER SYSTEM DESIGN

REVISIONS

REV	DATE	DESCRIPTION

LINE IS 2 INCHES
AT FULL SIZE

DESIGNED: C. WILLMORE

DRAWN: D. DAVIDSE

CHECKED:

CHECKED:

APPROVED: S. BRENCHLEY

FILENAME

C-102.dwg

BC PROJECT NUMBER

158815

CLIENT PROJECT NUMBER

CIVIL

PLAN AND PROFILE
STA 108+00 TO STA
116+00

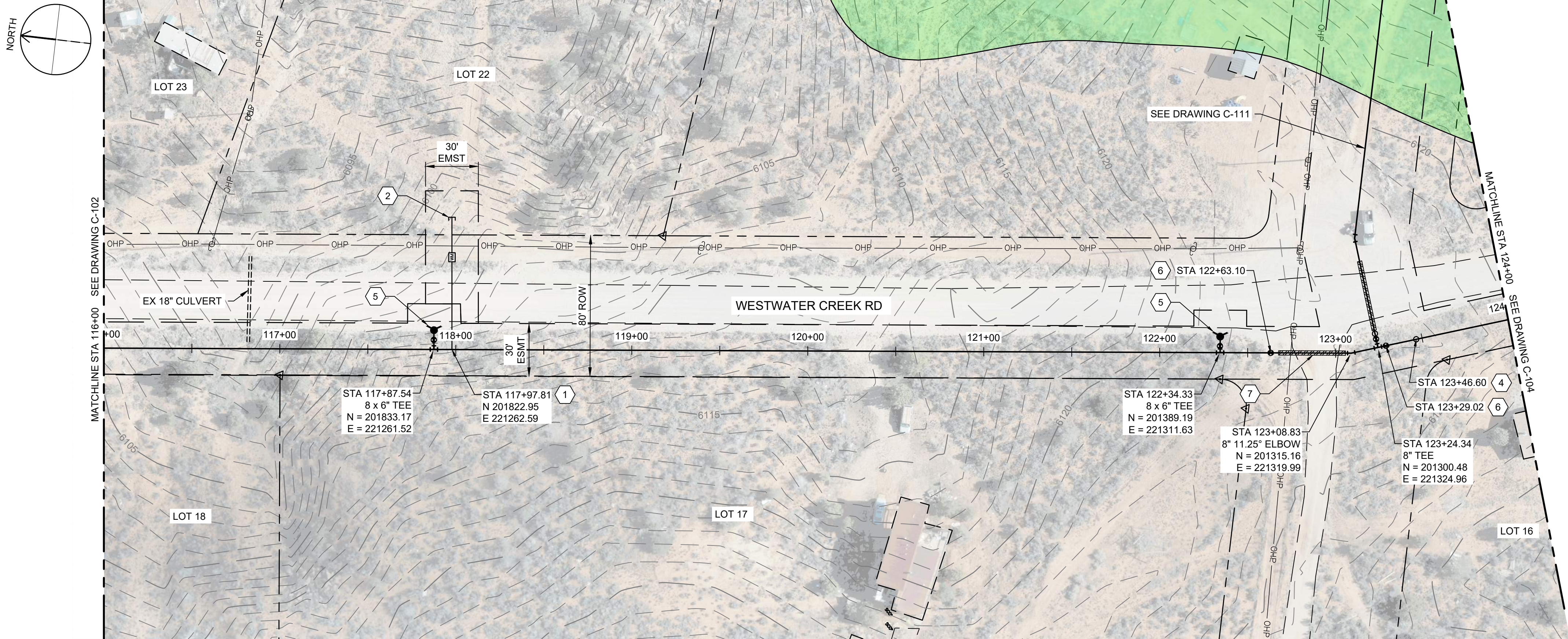
DRAWING NUMBER

C-102

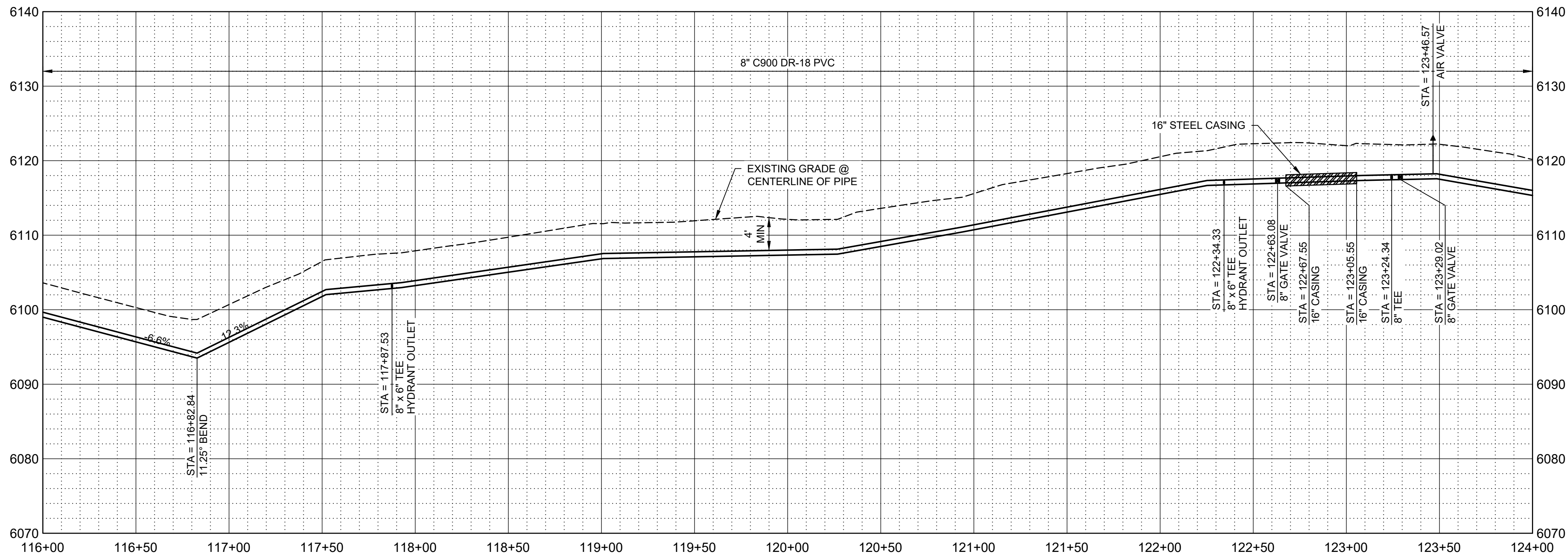
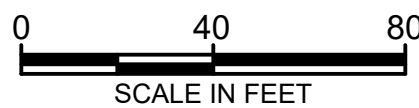
XX SHEET NUMBER OF XX



Path: C:\BCP\W\284\193 FILENAME: C-103.DWG PLOT DATE: 8/17/2023 11:27 AM CAD USER: DAVID DAVIDSE



PLAN



PROFILE

SCALE H: 1" = 40'
V: 1" = 10'

GENERAL NOTES

- ALL LOCATIONS OF UTILITIES SHOWN ARE APPROXIMATE. CONTRACTOR TO FIELD VERIFY AND POTHOLE AS REQUIRED TO COMPLETE THE WORK.
- CONTRACTOR TO FIELD VERIFY PHYSICAL LOCATION, ELEVATIONS AND INVERTS. ELEVATIONS ARE BASED ON NAVD 88 EXPRESS IN INTERNATIONAL FEET.
- CONTRACTOR TO PROVIDE THRUST BLOCKS AT ALL ELBOWS, TEES, CROSSES PER NTUA STD DWG WS-19 DRAWING NO. C-004. MECHANICAL JOINT RESTRAINTS CAN BE UTILIZED IN PLACE OF THRUST BLOCKS. EBA IRON MEGALUG SERIES 2000 PV FOR FITTINGS AND SERIES 2500 FOR PIPE JOINTS - INSTALL PER MANUFACTURE'S RECOMMENDATIONS.
- CONTRACTOR TO INSTALL PIPE IN TRENCH PER NTUA STD DWG WS-15 DRAWING C-003.
- DEFLECT PIPE IN ACCORDANCE WITH THE MANUFACTURER'S RECOMMENDATIONS AS NECESSARY.
- ALL PIPING TO HAVE MJ X MJ FITTINGS UNLESS NOTED OR OTHERWISE SHOWN IN DETAILS.

KEY NOTES

- INSTALL WATER LATERAL PER DETAIL WS-1 DRAWING NO. C-002 WITH PRV.
- PLUG AND STUB WATER LATERAL FOR FUTURE CONNECTION.
- DETACH EXISTING PIPE FROM EXISTING CISTERN. REMOVE AND SALVAGE EXISTING CISTERN FOR REUSE BY OTHERS AND CONNECT NEW LATERAL TO EXISTING PIPE. PROVIDE FILL MATERIAL FOR REMOVED CISTERN. PROVIDE 95% COMPACTION.
- INSTALL CAV VALVE PER DETAIL WS-10 DRAWING NO. C-003.
- INSTALL FIRE HYDRANT AND 6" VALVE PER WS-12 DRAWING NO. C-003.
- INSTALL 8" GATE VALVE PER DETAIL WS-14 DRAWING NO. C-003.
- INSTALL 16" STEEL CASING PER DETAIL WS-17A AND WS-18 DRAWING NO. C-004. PROVIDE STRUCTURAL FILL FOR ROAD CROSSING. REPLACE EXISTING ROAD BASE WITH SAME THICKNESS OR BETTER WITH 95% COMPACTION.
- INSTALL CONCRETE ANCHOR BLOCK PER DETAIL W-33 DRAWING NO. C-005.
- DIRECTIONAL BORE HDPE WASH CROSSING, SEE DETAIL W-33 DRAWING NO. C-005.

LEGEND

ARCHEOLOGICAL SITE



SALT LAKE CITY, UTAH

THIS DRAWING IS NOT VALID FOR CONSTRUCTION PURPOSES UNLESS IT BEARS THE SEAL OF A DULY REGISTERED PROFESSIONAL

60% SUBMITTAL



WESTWATER WATER SYSTEM DESIGN

REVISIONS

REV	DATE	DESCRIPTION

LINE IS 2 INCHES AT FULL SIZE

DESIGNED: C. WILLMORE

DRAWN: D. DAVIDSE

CHECKED:

CHECKED:

APPROVED: S. BRENCHLEY

FILENAME

C-103.dwg

BC PROJECT NUMBER

158815

CLIENT PROJECT NUMBER

CIVIL

PLAN AND PROFILE
STA 116+00 TO STA 124+00

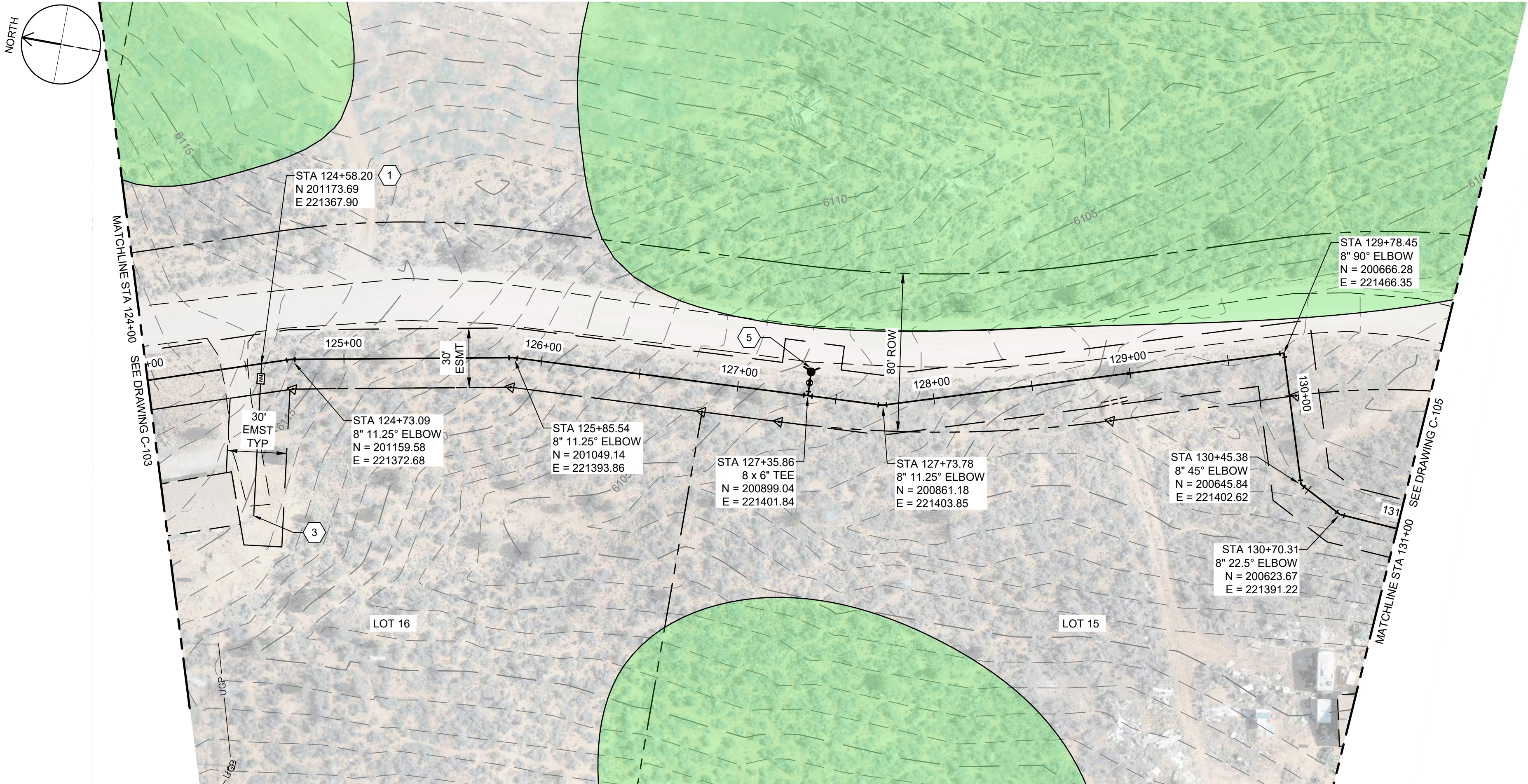
DRAWING NUMBER

C-103

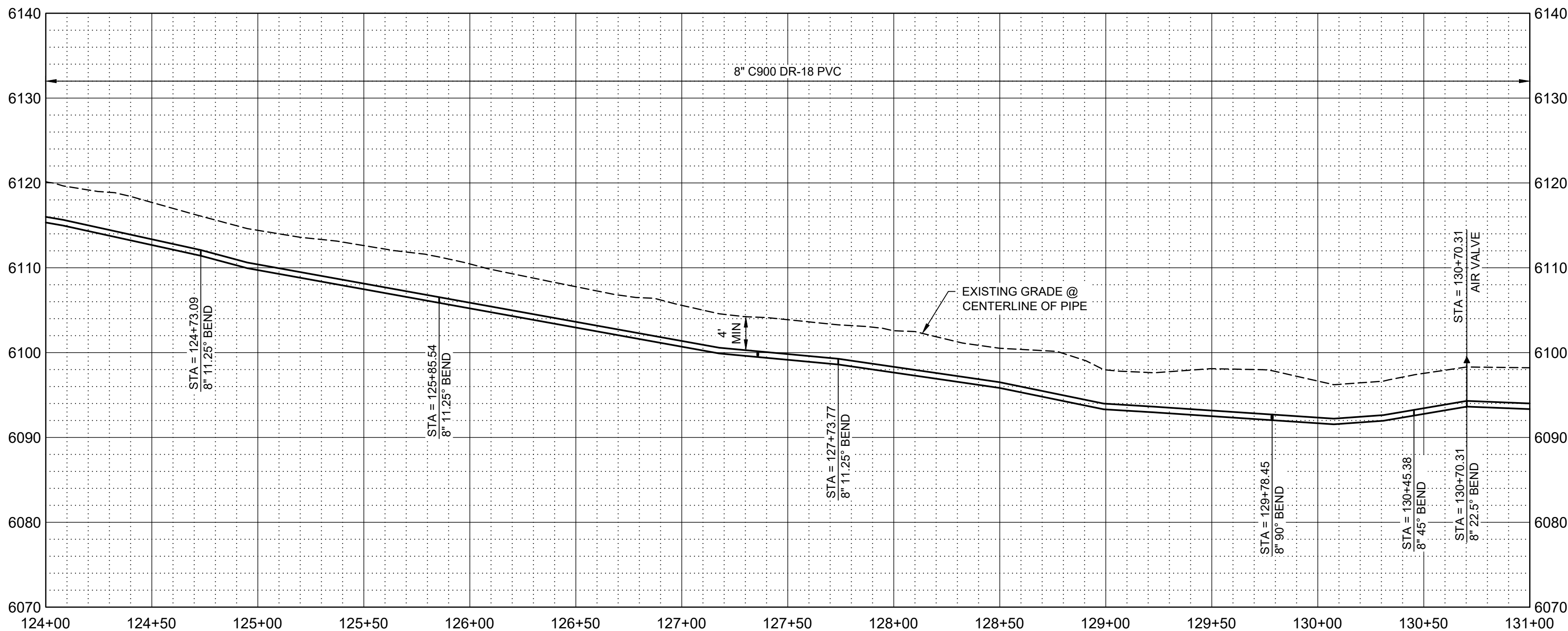
XX SHEET NUMBER OF XX

Know what's below.
Call 811 before you dig.
Blue Stakes of Utah
UTILITY NOTIFICATION CENTER, INC.
www.bluestakes.org
1-800-662-4111

Path: C:\BCP\W\2024\193 FILENAME: C-104.DWG PLOT DATE: 8/17/2023 11:28 AM CAD USER: DAVID DAVIDSE



PLAN



PROFILE

SCALE H: 1" = 40'
V: 1" = 10'

GENERAL NOTES

- ALL LOCATIONS OF UTILITIES SHOWN ARE APPROXIMATE. CONTRACTOR TO FIELD VERIFY AND POTHOLE AS REQUIRED TO COMPLETE THE WORK.
- CONTRACTOR TO FIELD VERIFY PHYSICAL LOCATION, ELEVATIONS AND INVERTS. ELEVATIONS ARE BASED ON NAVD 88 EXPRESS IN INTERNATIONAL FEET.
- CONTRACTOR TO PROVIDE THRUST BLOCKS AT ALL ELBOWS, TEES, CROSSES PER NTUA STD DWG WS-19 DRAWING NO. C-004. MECHANICAL JOINT RESTRAINTS CAN BE UTILIZED IN PLACE OF THRUST BLOCKS. EBA IRON MEGALUG SERIES 2000 PV FOR FITTINGS AND SERIES 2500 FOR PIPE JOINTS - INSTALL PER MANUFACTURE'S RECOMMENDATIONS.
- CONTRACTOR TO INSTALL PIPE IN TRENCH PER NTUA STD DWG WS-15 DRAWING C-003.
- DEFLECT PIPE IN ACCORDANCE WITH THE MANUFACTURER'S RECOMMENDATIONS AS NECESSARY.
- ALL PIPING TO HAVE MJ X MJ FITTINGS UNLESS NOTED OR OTHERWISE SHOWN IN DETAILS.

KEY NOTES

- INSTALL WATER LATERAL PER DETAIL WS-1 DRAWING NO. C-002 WITH PRV.
- PLUG AND STUB WATER LATERAL FOR FUTURE CONNECTION.
- DETACH EXISTING PIPE FROM EXISTING CISTERN. REMOVE AND SALVAGE EXISTING CISTERN FOR REUSE BY OTHERS AND CONNECT NEW LATERAL TO EXISTING PIPE. PROVIDE FILL MATERIAL FOR REMOVED CISTERN. PROVIDE 95% COMPACTION.
- INSTALL CAV VALVE PER DETAIL WS-10 DRAWING NO. C-003.
- INSTALL FIRE HYDRANT AND 6" VALVE PER WS-12 DRAWING NO. C-003.
- INSTALL 8" GATE VALVE PER DETAIL WS-14 DRAWING NO. C-003.
- INSTALL 16" STEEL CASING PER DETAIL WS-17A AND WS-18 DRAWING NO. C-004. PROVIDE STRUCTURAL FILL FOR ROAD CROSSING. REPLACE EXISTING ROAD BASE WITH SAME THICKNESS OR BETTER WITH 95% COMPACTION.
- INSTALL CONCRETE ANCHOR BLOCK PER DETAIL W-33 DRAWING NO. C-005.
- DIRECTIONAL BORE HDPE WASH CROSSING, SEE DETAIL W-33 DRAWING NO. C-005.

LEGEND

 ARCHEOLOGICAL SITE



SALT LAKE CITY, UTAH

THIS DRAWING IS NOT VALID FOR CONSTRUCTION PURPOSES UNLESS IT BEARS THE SEAL OF A DULY REGISTERED PROFESSIONAL

60% SUBMITTAL



WESTWATER
WATER SYSTEM
DESIGN

REVISIONS

REV	DATE	DESCRIPTION

LINE IS 2 INCHES
AT FULL SIZE

DESIGNED: C. WILLMORE

DRAWN: D. DAVIDSE

CHECKED:

CHECKED:

APPROVED: S. BRENCHELY

FILENAME

C-104.dwg

BC PROJECT NUMBER

158815

CLIENT PROJECT NUMBER

CIVIL

PLAN AND PROFILE
STA 124+00 TO STA
131+00

DRAWING NUMBER

C-104

XX

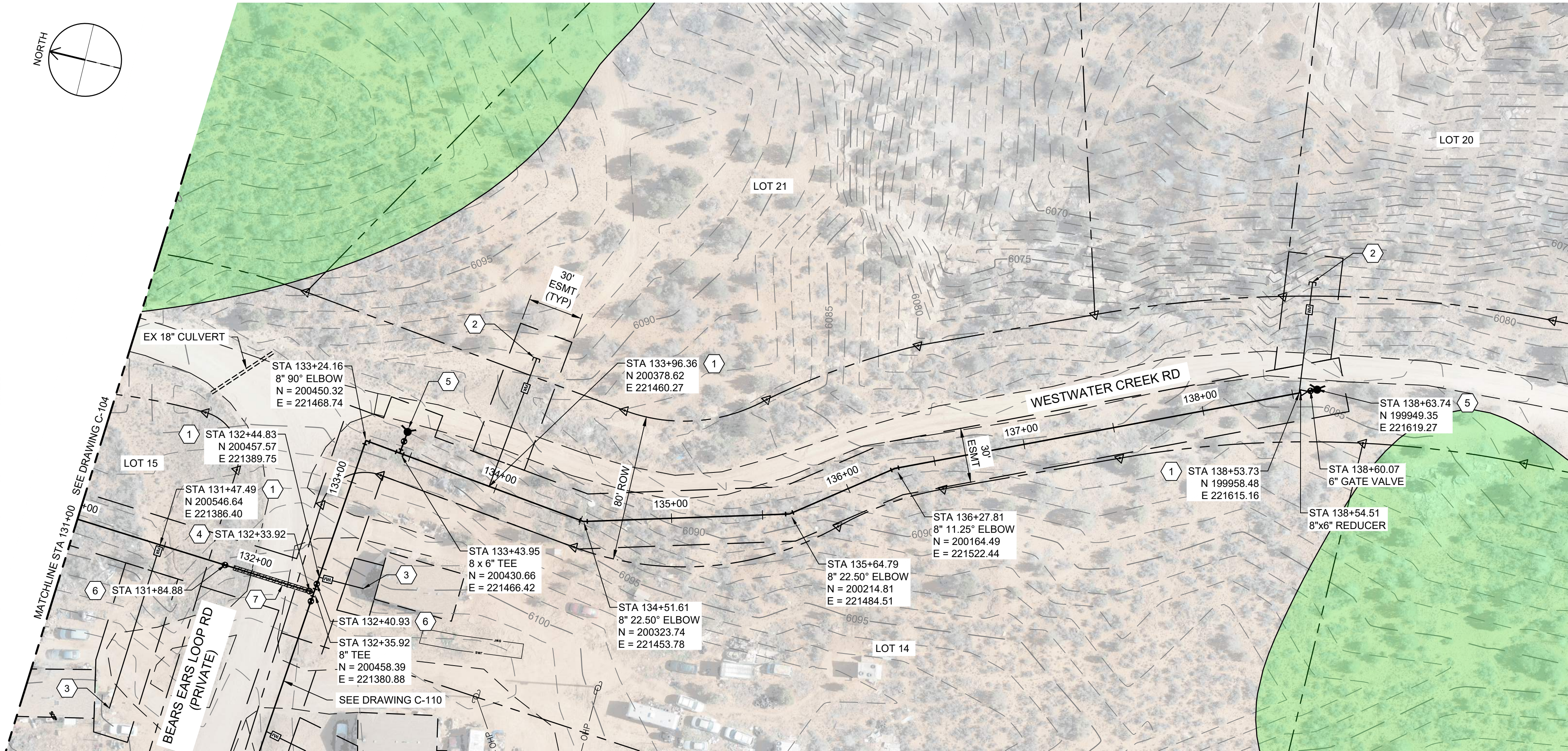
SHEET NUMBER

OF

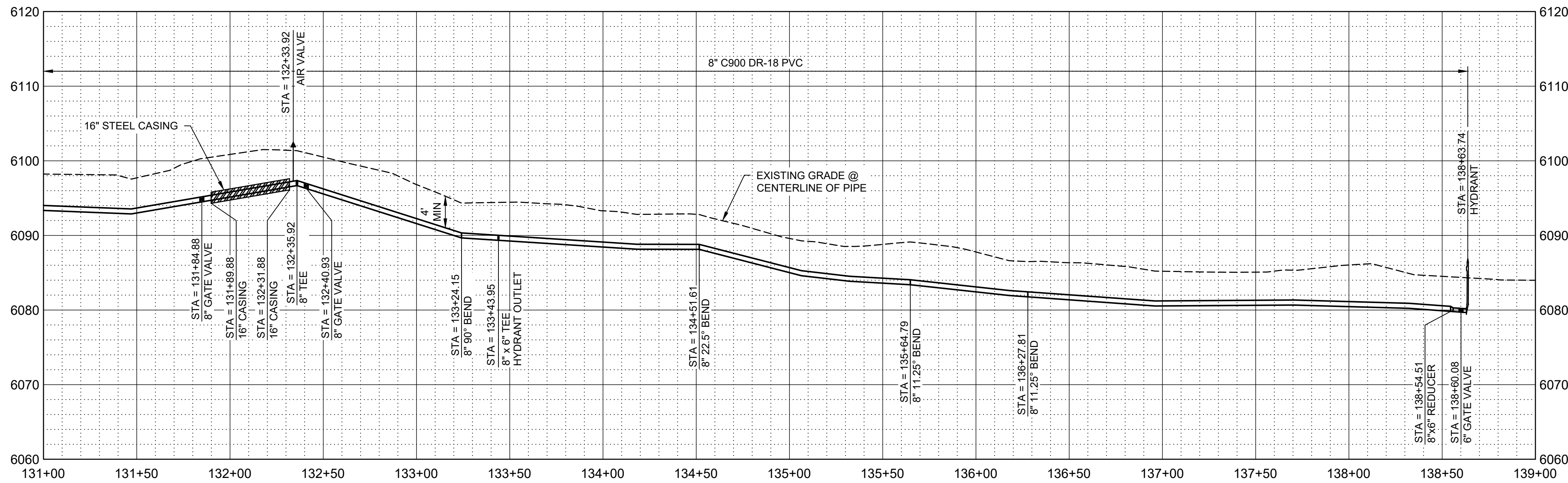
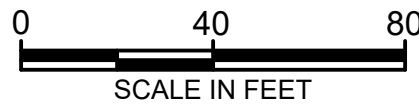
XX

Know what's below.
Call 811 before you dig.
 **BLUE STAKES OF UTAH**
UTILITY NOTIFICATION CENTER, INC.
www.bluestakes.org
1-800-662-4111

Path: C:\BCP\DWG\2024\193 FILENAME: C-105.DWG PLOT DATE: 8/17/2023 11:29 AM CAD USER: DAVID DAVIDSE



PLAN



PROFILE

SCALE H: 1" = 40'
V: 1" = 10'

GENERAL NOTES

- ALL LOCATIONS OF UTILITIES SHOWN ARE APPROXIMATE. CONTRACTOR TO FIELD VERIFY AND POTHOLE AS REQUIRED TO COMPLETE THE WORK.
- CONTRACTOR TO FIELD VERIFY PHYSICAL LOCATION, ELEVATIONS AND INVERTS. ELEVATIONS ARE BASED ON NAVD 88 EXPRESS IN INTERNATIONAL FEET.
- CONTRACTOR TO PROVIDE THRUST BLOCKS AT ALL ELBOWS, TEES, CROSSES PER NTUA STD DWG WS-19 DRAWING NO. C-004. MECHANICAL JOINT RESTRAINTS CAN BE UTILIZED IN PLACE OF THRUST BLOCKS. EBA IRON MEGALUG SERIES 2000 PV FOR FITTINGS AND SERIES 2500 FOR PIPE JOINTS - INSTALL PER MANUFACTURE'S RECOMMENDATIONS.
- CONTRACTOR TO INSTALL PIPE IN TRENCH PER NTUA STD DWG WS-15 DRAWING C-003.
- DEFLECT PIPE IN ACCORDANCE WITH THE MANUFACTURER'S RECOMMENDATIONS AS NECESSARY.
- ALL PIPING TO HAVE MJ X MJ FITTINGS UNLESS NOTED OR OTHERWISE SHOWN IN DETAILS.

KEY NOTES

- INSTALL WATER LATERAL PER DETAIL WS-1 DRAWING NO. C-002 WITH PRV.
- PLUG AND STUB WATER LATERAL FOR FUTURE CONNECTION.
- DETACH EXISTING PIPE FROM EXISTING CISTERN. REMOVE AND SALVAGE EXISTING CISTERN FOR REUSE BY OTHERS AND CONNECT NEW LATERAL TO EXISTING PIPE. PROVIDE FILL MATERIAL FOR REMOVED CISTERN. PROVIDE 95% COMPACTION.
- INSTALL CAV VALVE PER DETAIL WS-10 DRAWING NO. C-003.
- INSTALL FIRE HYDRANT AND 6" VALVE PER WS-12 DRAWING NO. C-003.
- INSTALL 8" GATE VALVE PER DETAIL WS-14 DRAWING NO. C-003.
- INSTALL 16" STEEL CASING PER DETAIL WS-17A AND WS-18 DRAWING NO. C-004. PROVIDE STRUCTURAL FILL FOR ROAD CROSSING. REPLACE EXISTING ROAD BASE WITH SAME THICKNESS OR BETTER WITH 95% COMPACTION.
- INSTALL CONCRETE ANCHOR BLOCK PER DETAIL W-33 DRAWING NO. C-005.
- DIRECTIONAL BORE HDPE WASH CROSSING, SEE DETAIL W-33 DRAWING NO. C-005.

LEGEND

ARCHEOLOGICAL SITE



SALT LAKE CITY, UTAH

THIS DRAWING IS NOT VALID FOR CONSTRUCTION PURPOSES UNLESS IT BEARS THE SEAL OF A DULY REGISTERED PROFESSIONAL

60% SUBMITTAL



WESTWATER WATER SYSTEM DESIGN

REVISIONS

REV	DATE	DESCRIPTION

LINE IS 2 INCHES AT FULL SIZE

DESIGNED: C. WILLMORE

DRAWN: D. DAVIDSE

CHECKED:

CHECKED:

APPROVED: S. BRENCHELY

FILENAME

C-105.dwg

BC PROJECT NUMBER

158815

CLIENT PROJECT NUMBER

CIVIL

PLAN AND PROFILE
STA 131+00 TO STA
138+63.74

DRAWING NUMBER

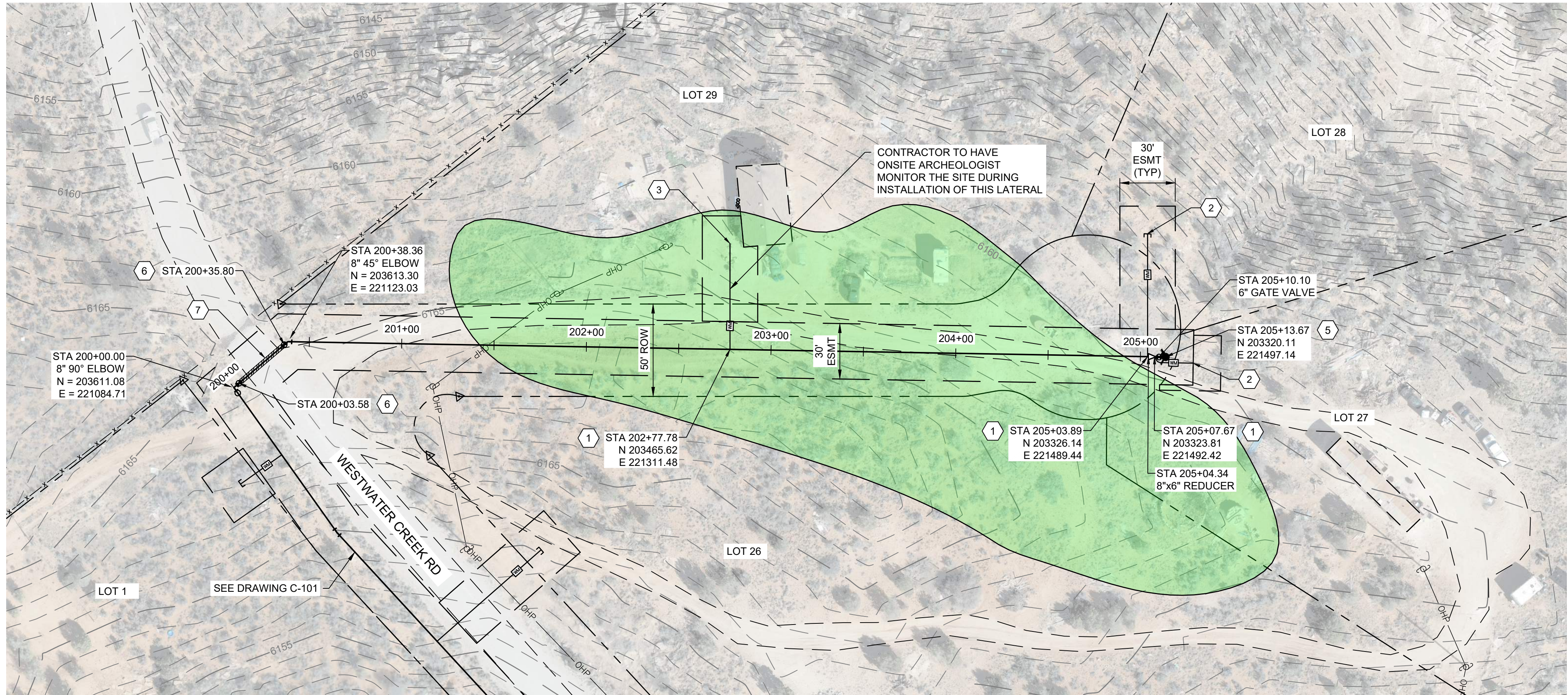
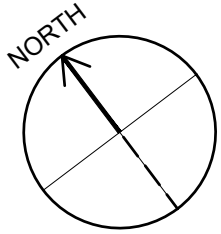
C-105

XX SHEET NUMBER OF XX

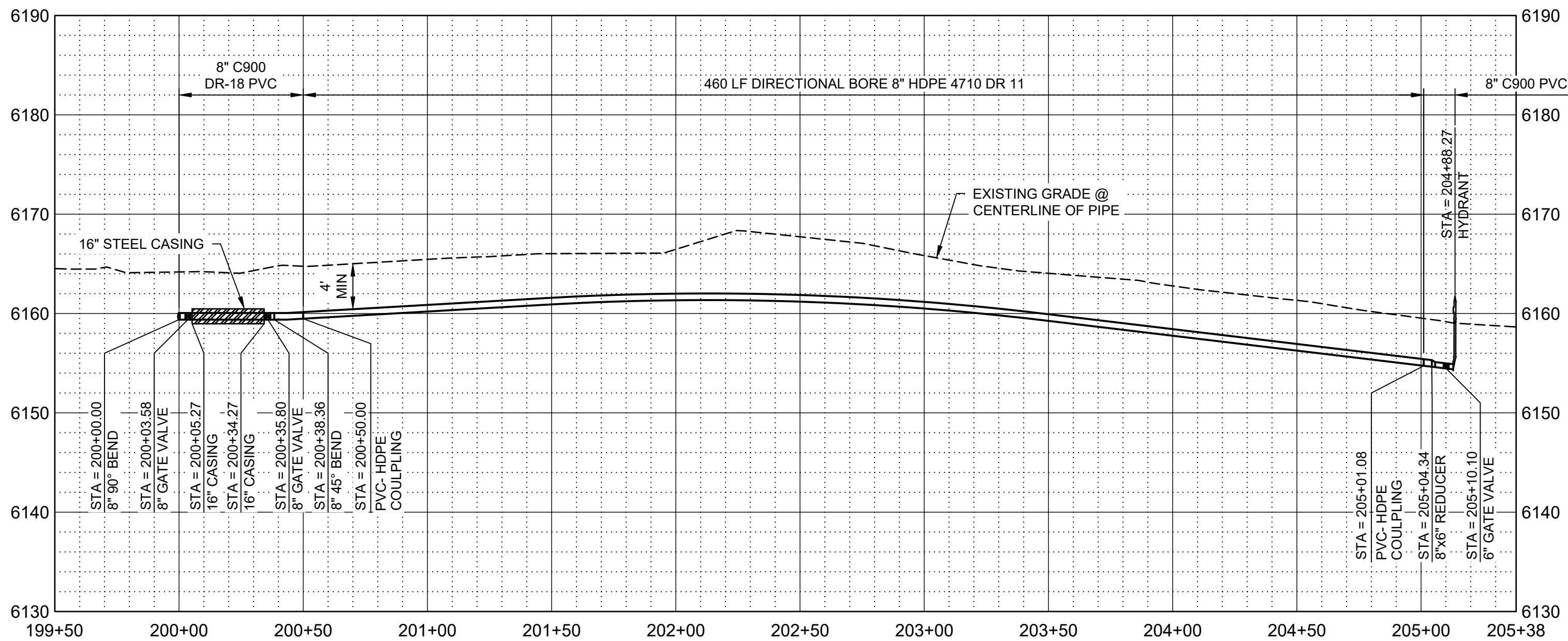
Know what's below.
Call 811 before you dig.

BLUE STAKES OF UTAH
UTILITY NOTIFICATION CENTER, INC.
www.bluestakes.org
1-800-662-4111

Path: C:\BCP\W\284\183 FILENAME: C-106.DWG PLOT DATE: 8/17/2023 11:31 AM CAD USER: DAVID DAVIDSE



PLAN



PROFILE

SCALE H: 1" = 40'
V: 1" = 10'

GENERAL NOTES

- ALL LOCATIONS OF UTILITIES SHOWN ARE APPROXIMATE. CONTRACTOR TO FIELD VERIFY AND POTHOLE AS REQUIRED TO COMPLETE THE WORK.
- CONTRACTOR TO FIELD VERIFY PHYSICAL LOCATION, ELEVATIONS AND INVERTS. ELEVATIONS ARE BASED ON NAVD 88 EXPRESS IN INTERNATIONAL FEET.
- CONTRACTOR TO PROVIDE THRUST BLOCKS AT ALL ELBOWS, TEES, CROSSES PER NTUA STD DWG WS-19 DRAWING NO. C-004. MECHANICAL JOINT RESTRAINTS CAN BE UTILIZED IN PLACE OF THRUST BLOCKS. EBA IRON MEGALUG SERIES 2000 PV FOR FITTINGS AND SERIES 2500 FOR PIPE JOINTS - INSTALL PER MANUFACTURE'S RECOMMENDATIONS.
- CONTRACTOR TO INSTALL PIPE IN TRENCH PER NTUA STD DWG WS-15 DRAWING C-003.
- DEFLECT PIPE IN ACCORDANCE WITH THE MANUFACTURER'S RECOMMENDATIONS AS NECESSARY.
- ALL PIPING TO HAVE MJ X MJ FITTINGS UNLESS NOTED OR OTHERWISE SHOWN IN DETAILS.

KEY NOTES

- INSTALL WATER LATERAL PER DETAIL WS-1 DRAWING NO. C-002 WITH PRV.
- PLUG AND STUB WATER LATERAL FOR FUTURE CONNECTION.
- DETACH EXISTING PIPE FROM EXISTING CISTERN. REMOVE AND SALVAGE EXISTING CISTERN FOR REUSE BY OTHERS AND CONNECT NEW LATERAL TO EXISTING PIPE. PROVIDE FILL MATERIAL FOR REMOVED CISTERN. PROVIDE 95% COMPACTION.
- INSTALL CAV VALVE PER DETAIL WS-10 DRAWING NO. C-003.
- INSTALL FIRE HYDRANT AND 6" VALVE PER WS-12 DRAWING NO. C-003.
- INSTALL 8" GATE VALVE PER DETAIL WS-14 DRAWING NO. C-003.
- INSTALL 16" STEEL CASING PER DETAIL WS-17A AND WS-18 DRAWING NO. C-004. PROVIDE STRUCTURAL FILL FOR ROAD CROSSING. REPLACE EXISTING ROAD BASE WITH SAME THICKNESS OR BETTER WITH 95% COMPACTION.
- INSTALL CONCRETE ANCHOR BLOCK PER DETAIL W-33 DRAWING NO. C-005.
- DIRECTIONAL BORE HDPE WASH CROSSING, SEE DETAIL W-33 DRAWING NO. C-005.

LEGEND

 ARCHEOLOGICAL SITE



SALT LAKE CITY, UTAH

THIS DRAWING IS NOT VALID FOR CONSTRUCTION PURPOSES UNLESS IT BEARS THE SEAL OF A DULY REGISTERED PROFESSIONAL

60% SUBMITTAL



WESTWATER WATER SYSTEM DESIGN

REVISIONS

REV	DATE	DESCRIPTION

LINE IS 2 INCHES AT FULL SIZE

DESIGNED: C. WILLMORE

DRAWN: D. DAVIDSE

CHECKED:

CHECKED:

APPROVED: S. BRENCHELEY

FILENAME

C-106.dwg

BC PROJECT NUMBER

158815

CLIENT PROJECT NUMBER

CIVIL

PLAN AND PROFILE
STA 200+00 TO STA
205+13.67

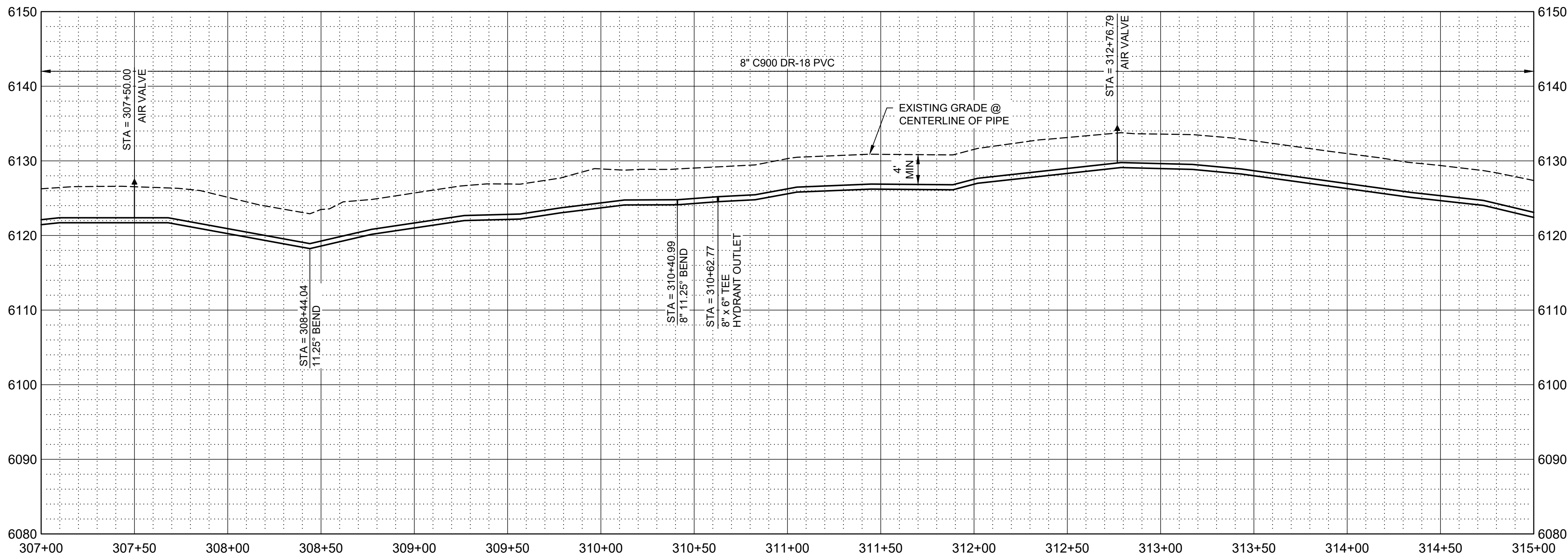
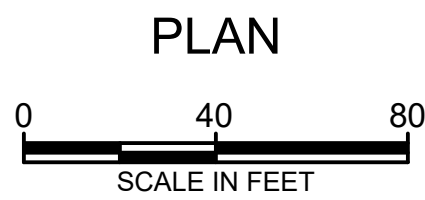
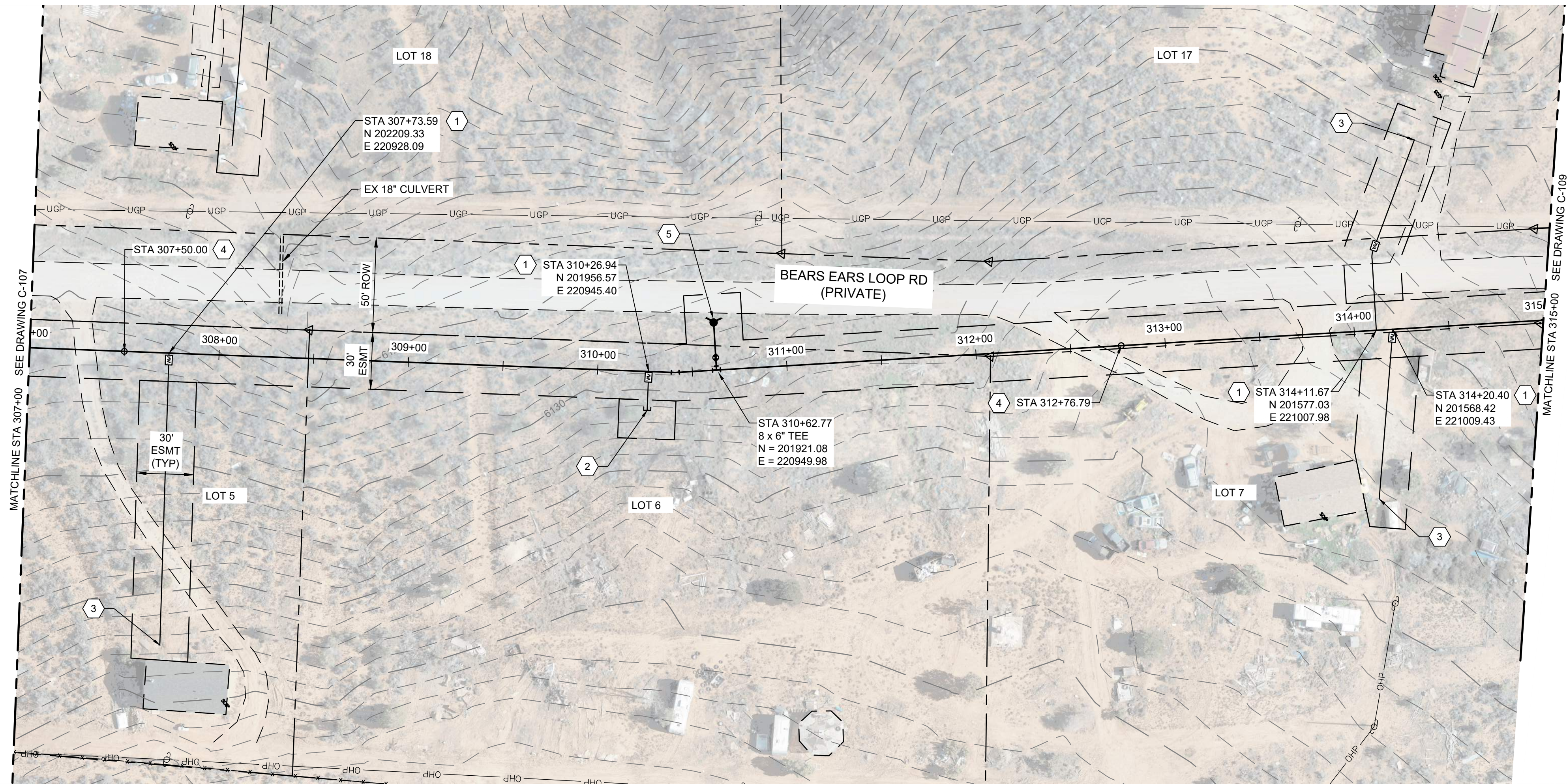
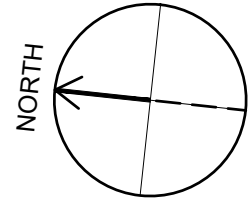
DRAWING NUMBER

C-106

XX SHEET NUMBER OF XX

Know what's below.
Call  before you dig.
 **BLUE STAKES OF UTAH**
UTILITY NOTIFICATION CENTER, INC.
www.bluestakes.org
1-800-662-4111

Path: C:\BCP\W\2024\1193 FILENAME: C-108.DWG PLOT DATE: 8/17/2023 11:33 AM CAD USER: DAVID DAVIDSE



PROFILE
SCALE H: 1" = 40'
V: 1" = 10'

GENERAL NOTES

- ALL LOCATIONS OF UTILITIES SHOWN ARE APPROXIMATE. CONTRACTOR TO FIELD VERIFY AND POTHOLE AS REQUIRED TO COMPLETE THE WORK.
- CONTRACTOR TO FIELD VERIFY PHYSICAL LOCATION, ELEVATIONS AND INVERTS. ELEVATIONS ARE BASED ON NAVD 88 EXPRESS IN INTERNATIONAL FEET.
- CONTRACTOR TO PROVIDE THRUST BLOCKS AT ALL ELBOWS, TEES, CROSSES PER NTUA STD DWG WS-19 DRAWING NO. C-004. MECHANICAL JOINT RESTRAINTS CAN BE UTILIZED IN PLACE OF THRUST BLOCKS. EBA IRON MEGALUG SERIES 2000 PV FOR FITTINGS AND SERIES 2500 FOR PIPE JOINTS - INSTALL PER MANUFACTURE'S RECOMMENDATIONS.
- CONTRACTOR TO INSTALL PIPE IN TRENCH PER NTUA STD DWG WS-15 DRAWING C-003.
- DEFLECT PIPE IN ACCORDANCE WITH THE MANUFACTURER'S RECOMMENDATIONS AS NECESSARY.
- ALL PIPING TO HAVE MJ X MJ FITTINGS UNLESS NOTED OR OTHERWISE SHOWN IN DETAILS.

KEY NOTES

- INSTALL WATER LATERAL PER DETAIL WS-1 DRAWING NO. C-002 WITH PRV.
- PLUG AND STUB WATER LATERAL FOR FUTURE CONNECTION.
- DETACH EXISTING PIPE FROM EXISTING CISTERN. REMOVE AND SALVAGE EXISTING CISTERN FOR REUSE BY OTHERS AND CONNECT NEW LATERAL TO EXISTING PIPE. PROVIDE FILL MATERIAL FOR REMOVED CISTERN. PROVIDE 95% COMPACTION.
- INSTALL CAV VALVE PER DETAIL WS-10 DRAWING NO. C-003.
- INSTALL FIRE HYDRANT AND 6" VALVE PER WS-12 DRAWING NO. C-003.
- INSTALL 8" GATE VALVE PER DETAIL WS-14 DRAWING NO. C-003.
- INSTALL 16" STEEL CASING PER DETAIL WS-17A AND WS-18 DRAWING NO. C-004. PROVIDE STRUCTURAL FILL FOR ROAD CROSSING. REPLACE EXISTING ROAD BASE WITH SAME THICKNESS OR BETTER WITH 95% COMPACTION.
- INSTALL CONCRETE ANCHOR BLOCK PER DETAIL W-33 DRAWING NO. C-005.
- DIRECTIONAL BORE HDPE WASH CROSSING, SEE DETAIL W-33 DRAWING NO. C-005.

LEGEND

 ARCHEOLOGICAL SITE



SALT LAKE CITY, UTAH

THIS DRAWING IS NOT VALID FOR CONSTRUCTION PURPOSES UNLESS IT BEARS THE SEAL OF A DULY REGISTERED PROFESSIONAL

60% SUBMITTAL



WESTWATER
WATER SYSTEM
DESIGN

REVISIONS

REV	DATE	DESCRIPTION

LINE IS 2 INCHES
AT FULL SIZE

DESIGNED: C. WILLMORE

DRAWN: D. DAVIDSE

CHECKED:

CHECKED:

APPROVED: S. BRENCHLEY

FILENAME

C-108.dwg

BC PROJECT NUMBER

158815

CLIENT PROJECT NUMBER

CIVIL

PLAN AND PROFILE
STA 307+00 TO STA
315+00

DRAWING NUMBER

C-108

XX

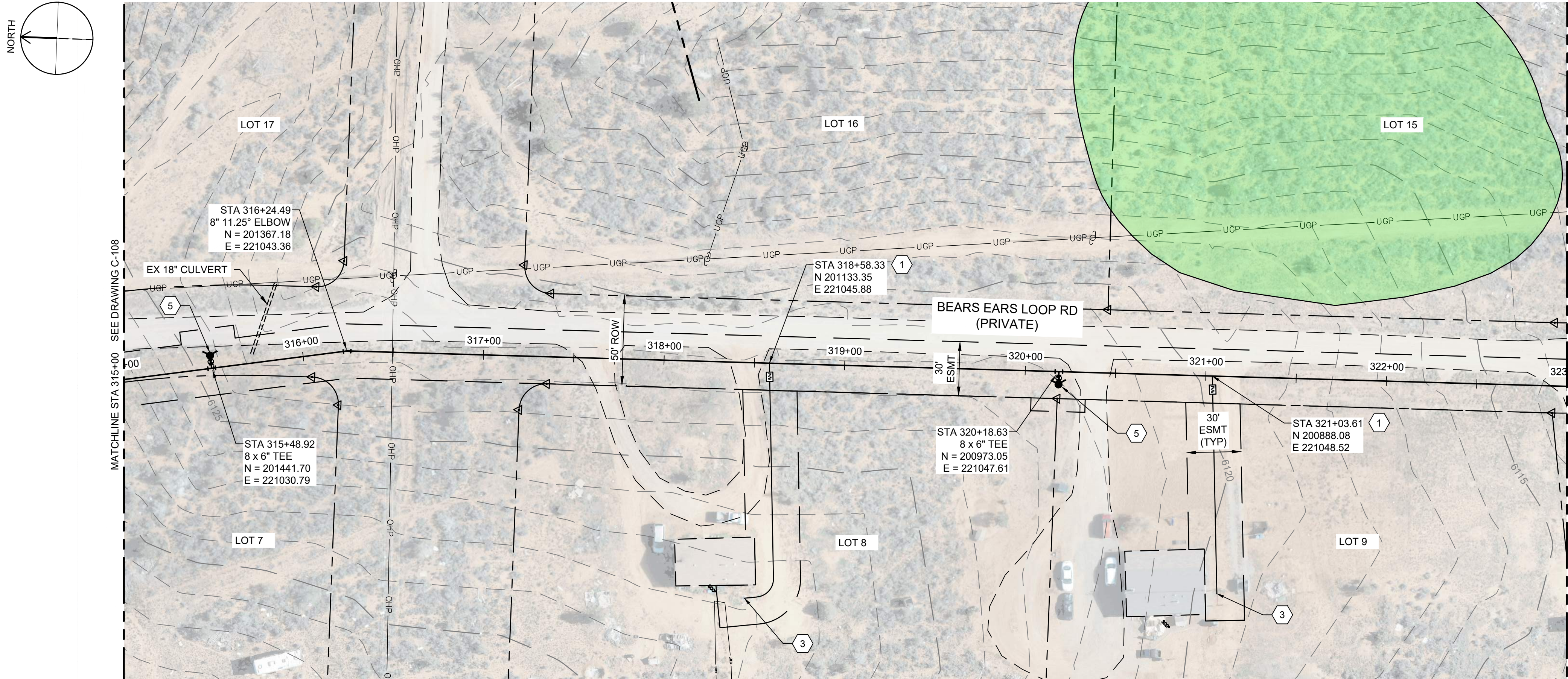
SHEET NUMBER

OF

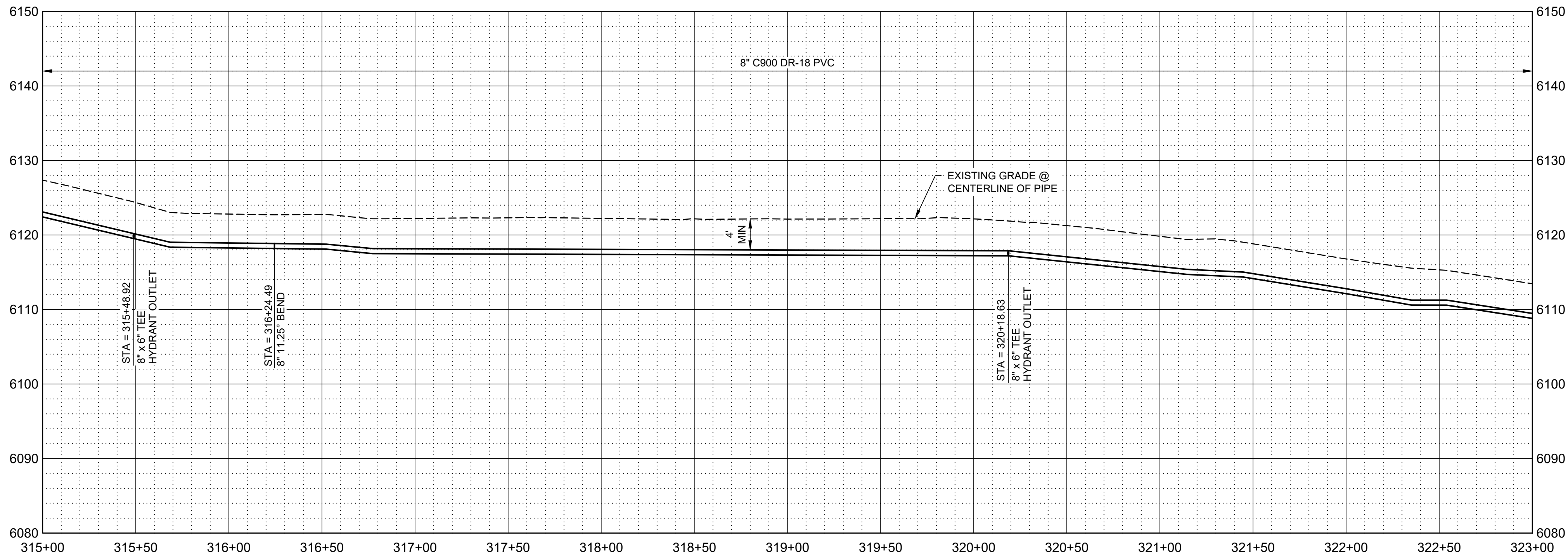
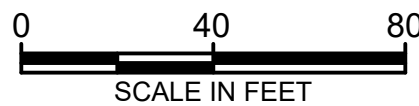
XX



Path: C:\BCP\W\284\193 FILENAME: C-109.DWG PLOT DATE: 8/17/2023 11:35 AM CAD USER: DAVID DAVIDSE



PLAN



PROFILE

SCALE H: 1" = 40'
V: 1" = 10'

GENERAL NOTES

- ALL LOCATIONS OF UTILITIES SHOWN ARE APPROXIMATE. CONTRACTOR TO FIELD VERIFY AND POTHOLE AS REQUIRED TO COMPLETE THE WORK.
- CONTRACTOR TO FIELD VERIFY PHYSICAL LOCATION, ELEVATIONS AND INVERTS. ELEVATIONS ARE BASED ON NAVD 88 EXPRESS IN INTERNATIONAL FEET.
- CONTRACTOR TO PROVIDE THRUST BLOCKS AT ALL ELBOWS, TEES, CROSSES PER NTUA STD DWG WS-19 DRAWING NO. C-004. MECHANICAL JOINT RESTRAINTS CAN BE UTILIZED IN PLACE OF THRUST BLOCKS. EBA IRON MEGALUG SERIES 2000 PV FOR FITTINGS AND SERIES 2500 FOR PIPE JOINTS - INSTALL PER MANUFACTURE'S RECOMMENDATIONS.
- CONTRACTOR TO INSTALL PIPE IN TRENCH PER NTUA STD DWG WS-15 DRAWING C-003.
- DEFLECT PIPE IN ACCORDANCE WITH THE MANUFACTURER'S RECOMMENDATIONS AS NECESSARY.
- ALL PIPING TO HAVE MJ X MJ FITTINGS UNLESS NOTED OR OTHERWISE SHOWN IN DETAILS.

KEY NOTES

- INSTALL WATER LATERAL PER DETAIL WS-1 DRAWING NO. C-002 WITH PRV.
- PLUG AND STUB WATER LATERAL FOR FUTURE CONNECTION.
- DETACH EXISTING PIPE FROM EXISTING CISTERN. REMOVE AND SALVAGE EXISTING CISTERN FOR REUSE BY OTHERS AND CONNECT NEW LATERAL TO EXISTING PIPE. PROVIDE FILL MATERIAL FOR REMOVED CISTERN. PROVIDE 95% COMPACTION.
- INSTALL CAV VALVE PER DETAIL WS-10 DRAWING NO. C-003.
- INSTALL FIRE HYDRANT AND 6" VALVE PER WS-12 DRAWING NO. C-003.
- INSTALL 8" GATE VALVE PER DETAIL WS-14 DRAWING NO. C-003.
- INSTALL 16" STEEL CASING PER DETAIL WS-17A AND WS-18 DRAWING NO. C-004. PROVIDE STRUCTURAL FILL FOR ROAD CROSSING. REPLACE EXISTING ROAD BASE WITH SAME THICKNESS OR BETTER WITH 95% COMPACTION.
- INSTALL CONCRETE ANCHOR BLOCK PER DETAIL W-33 DRAWING NO. C-005.
- DIRECTIONAL BORE HDPE WASH CROSSING, SEE DETAIL W-33 DRAWING NO. C-005.

LEGEND

ARCHEOLOGICAL SITE



SALT LAKE CITY, UTAH

THIS DRAWING IS NOT VALID FOR CONSTRUCTION PURPOSES UNLESS IT BEARS THE SEAL OF A DULY REGISTERED PROFESSIONAL

60% SUBMITTAL



WESTWATER
WATER SYSTEM
DESIGN

REVISIONS

REV	DATE	DESCRIPTION

LINE IS 2 INCHES
AT FULL SIZE

DESIGNED: C. WILLMORE

DRAWN: D. DAVIDSE

CHECKED:

CHECKED:

APPROVED: S. BRENCHELY

FILENAME

C-109.dwg

BC PROJECT NUMBER

158815

CLIENT PROJECT NUMBER

CIVIL

PLAN AND PROFILE
STA 315+00 TO STA
323+00

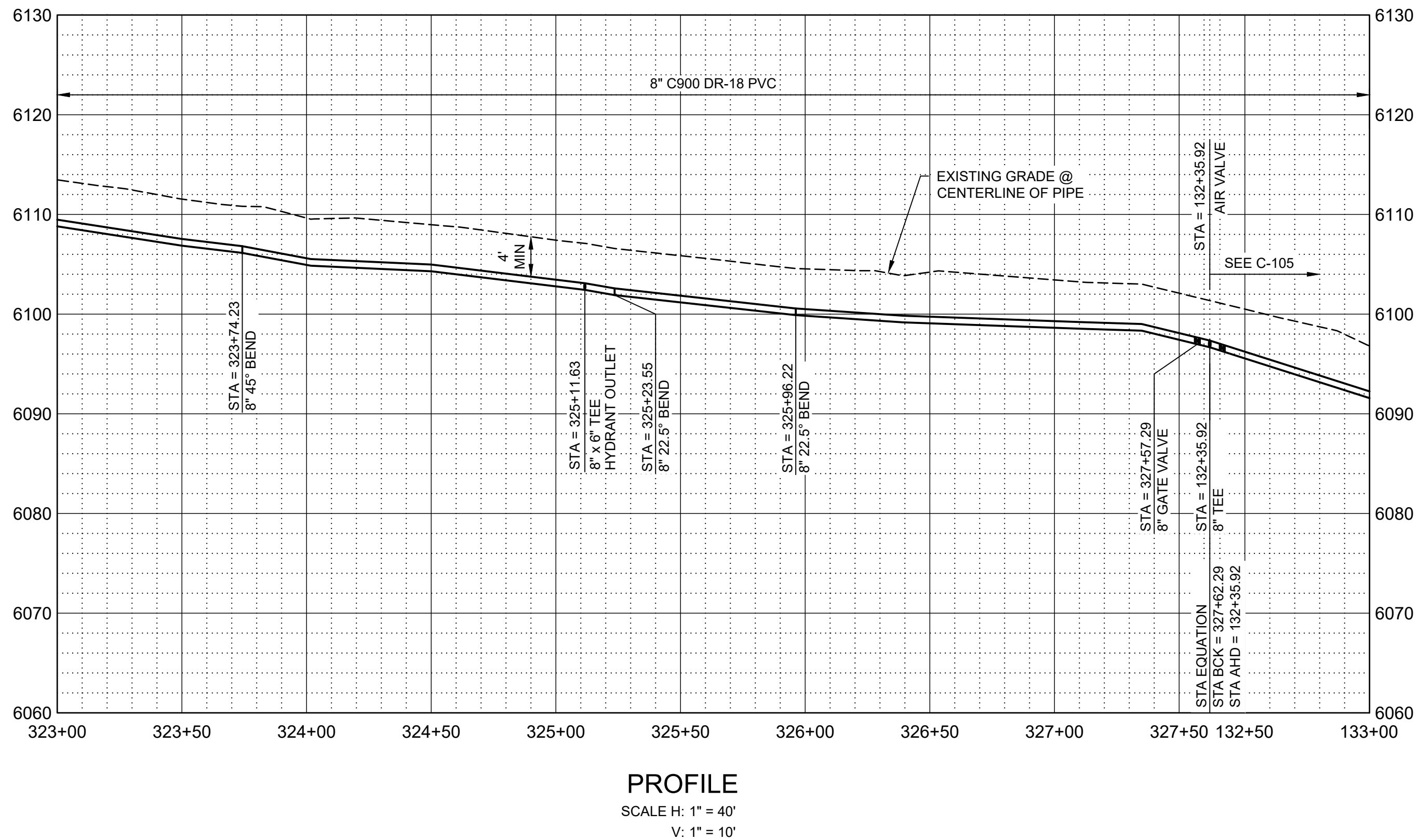
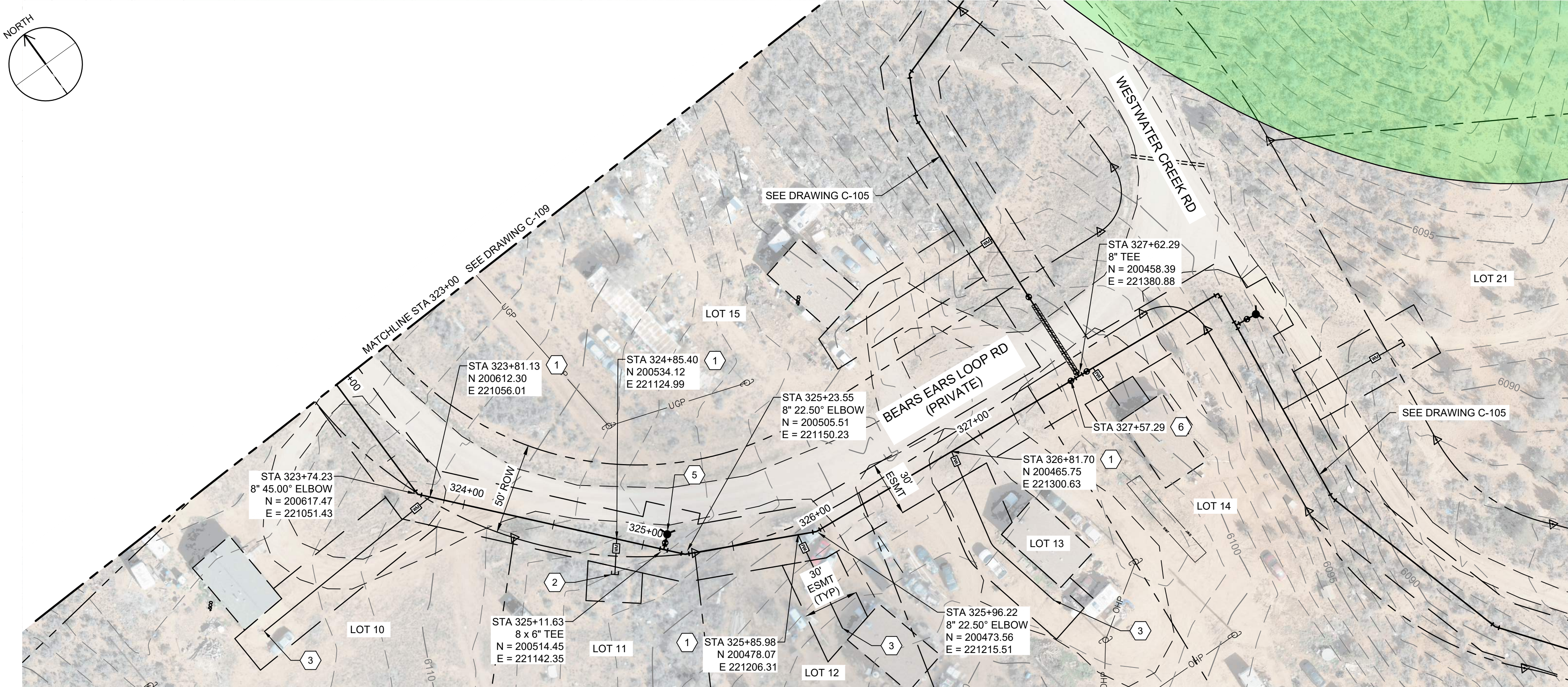
DRAWING NUMBER

C-109

XX SHEET NUMBER
OF XX

Know what's below.
Call 811 before you dig.
BLUE STAKES OF UTAH
UTILITY NOTIFICATION CENTER, INC.
www.bluestakes.org
1-800-662-4111

Path: C:\BCP\W\284\183 FILENAME: C-110.DWG PLOT DATE: 8/17/2023 11:36 AM CAD USER: DAVID DAVIDSE



GENERAL NOTES

- ALL LOCATIONS OF UTILITIES SHOWN ARE APPROXIMATE. CONTRACTOR TO FIELD VERIFY LOCATION AND POTHOLE AS REQUIRED TO COMPLETE THE WORK.
- CONTRACTOR TO FIELD VERIFY PHYSICAL LOCATION, ELEVATIONS AND INVERTS. ELEVATIONS ARE BASED ON NAVD 88 EXPRESS IN INTERNATIONAL FEET.
- CONTRACTOR TO PROVIDE THRUST BLOCKS AT ALL ELBOWS, TEES, CROSSES PER NTUA STD DWG WS-19 DRAWING NO. C-004. MECHANICAL JOINT RESTRAINTS CAN BE UTILIZED IN PLACE OF THRUST BLOCKS. EBA IRON MEGALUG SERIES 2000 PV FOR FITTINGS AND SERIES 2500 FOR PIPE JOINTS - INSTALL PER MANUFACTURE'S RECOMMENDATIONS.
- CONTRACTOR TO INSTALL PIPE IN TRENCH PER NTUA STD DWG WS-15 DRAWING C-003.
- DEFLECT PIPE IN ACCORDANCE WITH THE MANUFACTURER'S RECOMMENDATIONS AS NECESSARY.
- ALL PIPING TO HAVE MJ X MJ FITTINGS UNLESS NOTED OR OTHERWISE SHOWN IN DETAILS.

KEY NOTES

- INSTALL WATER LATERAL PER DETAIL WS-1 DRAWING NO. C-002 WITH PRV.
- PLUG AND STUB WATER LATERAL FOR FUTURE CONNECTION.
- DETACH EXISTING PIPE FROM EXISTING CISTERN. REMOVE AND SALVAGE EXISTING CISTERN FOR REUSE BY OTHERS AND CONNECT NEW LATERAL TO EXISTING PIPE. PROVIDE FILL MATERIAL FOR REMOVED CISTERN. PROVIDE 95% COMPACTION.
- INSTALL CAV VALVE PER DETAIL WS-10 DRAWING NO. C-003.
- INSTALL FIRE HYDRANT AND 6" VALVE PER WS-12 DRAWING NO. C-003.
- INSTALL 8" GATE VALVE PER DETAIL WS-14 DRAWING NO. C-003.
- INSTALL 16" STEEL CASING PER DETAIL WS-17A AND WS-18 DRAWING NO. C-004. PROVIDE STRUCTURAL FILL FOR ROAD CROSSING. REPLACE EXISTING ROAD BASE WITH SAME THICKNESS OR BETTER WITH 95% COMPACTION.
- INSTALL CONCRETE ANCHOR BLOCK PER DETAIL W-33 DRAWING NO. C-005.
- DIRECTIONAL BORE HDPE WASH CROSSING, SEE DETAIL W-33 DRAWING NO. C-005.

LEGEND

ARCHEOLOGICAL SITE



SALT LAKE CITY, UTAH

THIS DRAWING IS NOT VALID FOR CONSTRUCTION PURPOSES UNLESS IT BEARS THE SEAL OF A DULY REGISTERED PROFESSIONAL

60% SUBMITTAL



WESTWATER
WATER SYSTEM
DESIGN

REVISIONS

REV	DATE	DESCRIPTION

LINE IS 2 INCHES
AT FULL SIZE

DESIGNED: C. WILLMORE

DRAWN: D. DAVIDSE

CHECKED:

CHECKED:

APPROVED: S. BRENCHELEY

FILENAME

C-110.dwg

BC PROJECT NUMBER

158815

CLIENT PROJECT NUMBER

CIVIL

PLAN AND PROFILE
STA 323+00 TO STA
327+62.29

DRAWING NUMBER

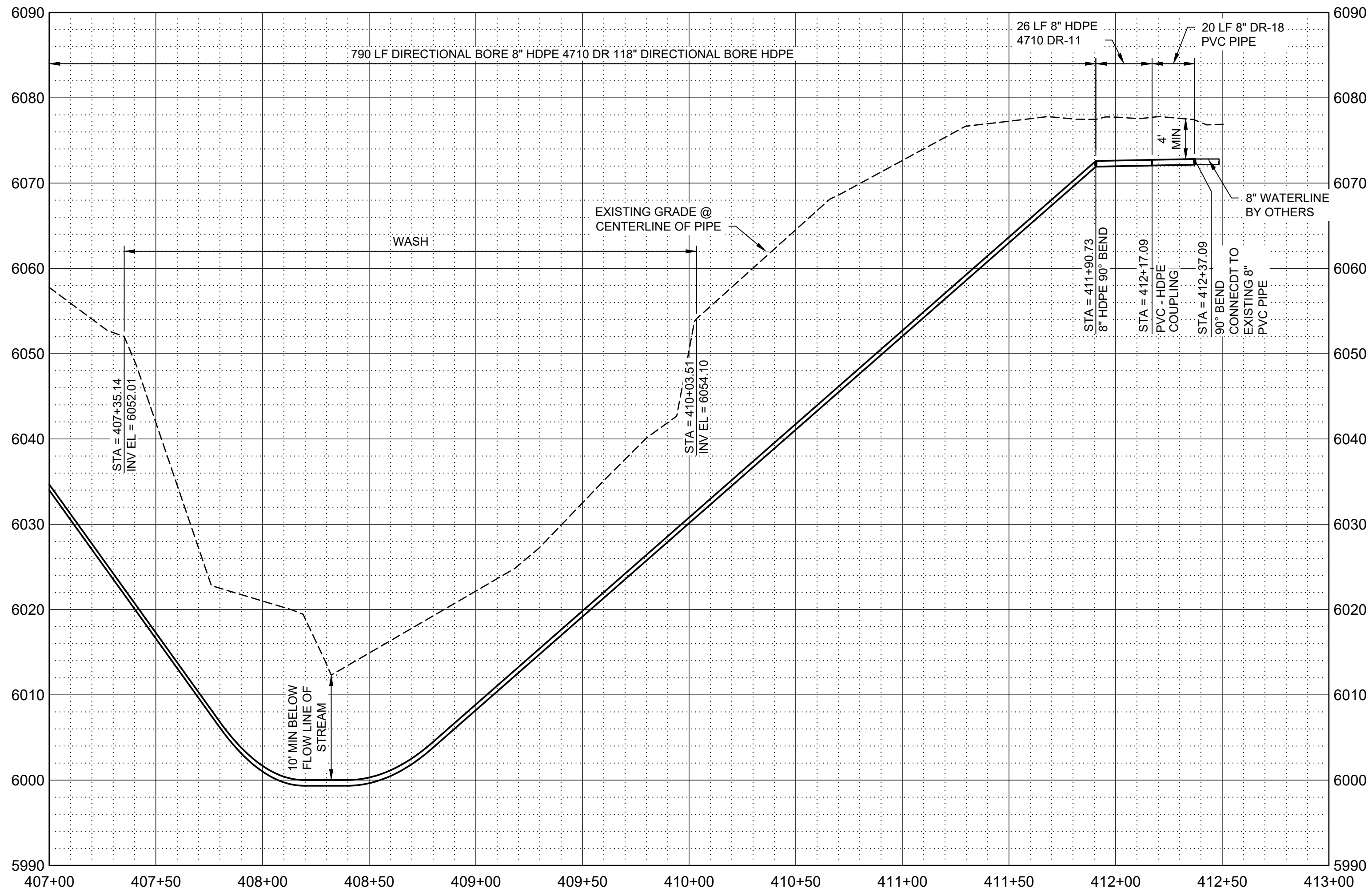
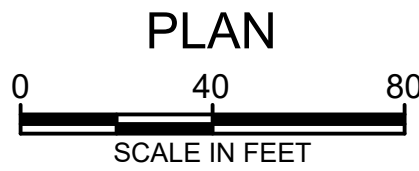
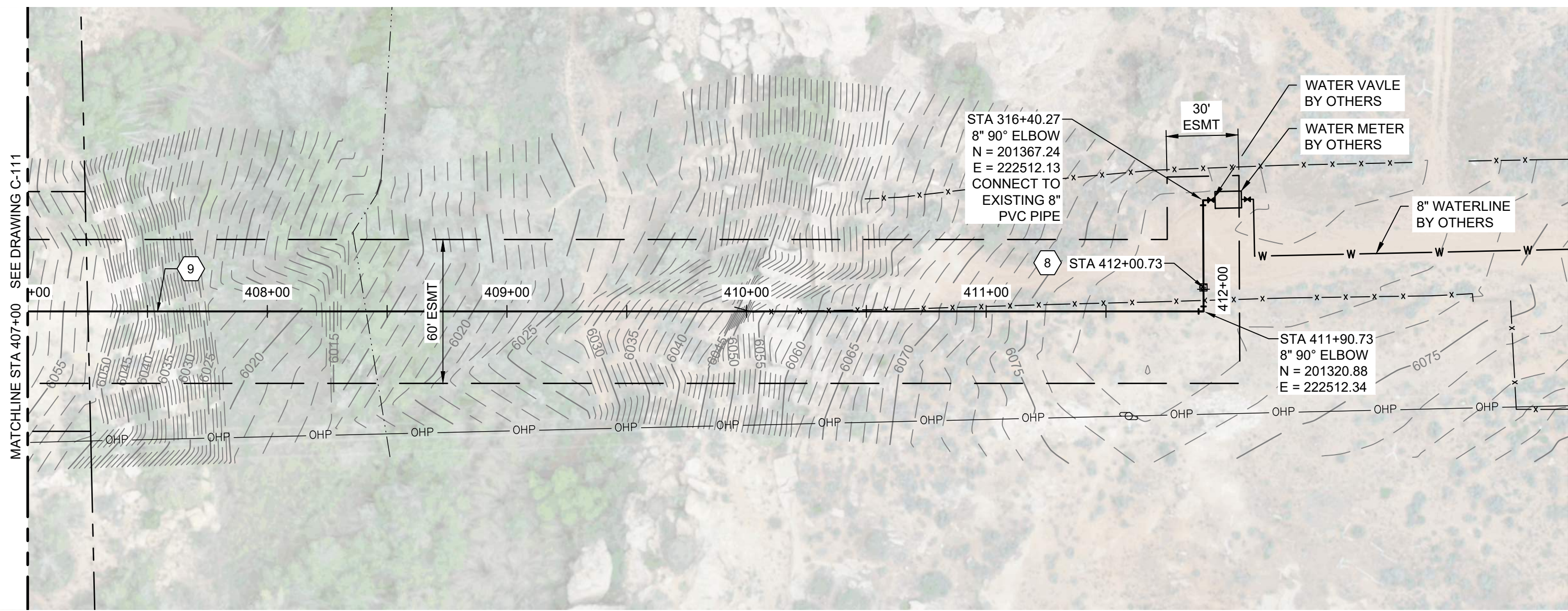
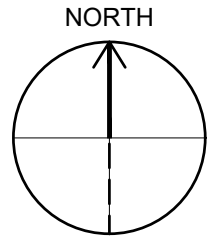
C-110

XX SHEET NUMBER OF XX

Know what's below.
Call 811 before you dig.

Blue Stakes of UTAH 811
UTILITY NOTIFICATION CENTER, INC.
www.bluestakes.org
1-800-662-4111

Path: C:\BPC\W\284\113 FILENAME: C-112.DWG PLOT DATE: 8/17/2023 3:22 PM CAD USER: DAVID DAVIDSE



PROFILE
SCALE H: 1" = 40'
V: 1" = 10'

GENERAL NOTES

- ALL LOCATIONS OF UTILITIES SHOWN ARE APPROXIMATE. CONTRACTOR TO FIELD VERIFY AND POTHOLE AS REQUIRED TO COMPLETE THE WORK.
- CONTRACTOR TO FIELD VERIFY PHYSICAL LOCATION, ELEVATIONS AND INVERTS. ELEVATIONS ARE BASED ON NAVD 88 EXPRESS IN INTERNATIONAL FEET.
- CONTRACTOR TO PROVIDE THRUST BLOCKS AT ALL ELBOWS, TEES, CROSSES PER NTUA STD DWG WS-19 DRAWING NO. C-004. MECHANICAL JOINT RESTRAINTS CAN BE UTILIZED IN PLACE OF THRUST BLOCKS. EBA IRON MEGALUG SERIES 2000 PV FOR FITTINGS AND SERIES 2500 FOR PIPE JOINTS - INSTALL PER MANUFACTURE'S RECOMMENDATIONS.
- CONTRACTOR TO INSTALL PIPE IN TRENCH PER NTUA STD DWG WS-15 DRAWING C-003.
- DEFLECT PIPE IN ACCORDANCE WITH THE MANUFACTURER'S RECOMMENDATIONS AS NECESSARY.
- ALL PIPING TO HAVE MJ X MJ FITTINGS UNLESS NOTED OR OTHERWISE SHOWN IN DETAILS.

KEY NOTES

- INSTALL WATER LATERAL PER DETAIL WS-1 DRAWING NO. C-002 WITH PRV.
- PLUG AND STUB WATER LATERAL FOR FUTURE CONNECTION.
- DETACH EXISTING PIPE FROM EXISTING CISTERN. REMOVE AND SALVAGE EXISTING CISTERN FOR REUSE BY OTHERS AND CONNECT NEW LATERAL TO EXISTING PIPE. PROVIDE FILL MATERIAL FOR REMOVED CISTERN. PROVIDE 95% COMPACTION.
- INSTALL CAV VALVE PER DETAIL WS-10 DRAWING NO. C-003.
- INSTALL FIRE HYDRANT AND 6" VALVE PER WS-12 DRAWING NO. C-003.
- INSTALL 8" GATE VALVE PER DETAIL WS-14 DRAWING NO. C-003.
- INSTALL 16" STEEL CASING PER DETAIL WS-17A AND WS-18 DRAWING NO. C-004. PROVIDE STRUCTURAL FILL FOR ROAD CROSSING. REPLACE EXISTING ROAD BASE WITH SAME THICKNESS OR BETTER WITH 95% COMPACTION.
- INSTALL CONCRETE ANCHOR BLOCK PER DETAIL W-33 DRAWING NO. C-005.
- DIRECTIONAL BORE HDPE WASH CROSSING, SEE DETAIL W-33 DRAWING NO. C-005.

LEGEND

ARCHEOLOGICAL SITE



SALT LAKE CITY, UTAH

THIS DRAWING IS NOT VALID FOR CONSTRUCTION PURPOSES UNLESS IT BEARS THE SEAL OF A DULY REGISTERED PROFESSIONAL

60% SUBMITTAL



WESTWATER
WATER SYSTEM
DESIGN

REVISIONS

REV	DATE	DESCRIPTION

LINE IS 2 INCHES
AT FULL SIZE

DESIGNED: C. WILLMORE

DRAWN: D. DAVIDSE

CHECKED: ---

CHECKED: ---

APPROVED: S. BRENCHELY

FILENAME

C-112.dwg

BC PROJECT NUMBER

158815

CLIENT PROJECT NUMBER

CIVIL

PLAN AND PROFILE
STA 407+00 TO STA
412+37.09

DRAWING NUMBER

C-112

XX SHEET NUMBER OF XX

