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SALT LAKE CITY, UTAH

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90% SUBMITTAL



WESTWATER WATER SYSTEM DESIGN

REVISIONS							
REV	REV DATE DESCRIPTION						
	1 -	LINE IS 2 INCHES					
	AT FULL SIZE						
DESI	GNED:	C. WILLMORE					
DRAV	VN: I	D. DAVIDSE					
CHECKED:							
CHECKED:							
APPROVED: S. BRENCHLEY							
		FILENAME					
	G-000.DWG						

BC PROJECT NUMBER 158815 CLIENT PROJECT NUMBER

GENERAL

COVER SHEET

DRAWING NUMBER G-000 SHEET NUMBER 22 OF

1	1	2	3
			SHEET NUMBER
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			CIVIL
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PLOI DAIE: 11/3/2023 11:01 AM CAD USER: DAVID DAVIDSE			
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41190			
WD28			
(BCP)			
Path: C:\BCPW\D2841190			
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SHEET NUMBER	DRAWING NUMBER	DESCRIPTION
GENERAL		
1 G-000		COVER SHEET
2	G-001	DRAWING INDEX
3	G-002	STANDARD SYMBOLS
4	G-003	STANDARD ABBREVIATIONS
CIVIL	Į.	
5	C-001	GENERAL CIVIL NOTES AND SYMBOLS
6	C-002	NTUA DETAILS - 1
7	C-003	NTUA DETAILS - 2
8	C-004	NTUA DETAILS - 3
9	C-005	IHS DETAILS
10	C-100	KEY MAP
11	C-101	PLAN AND PROFILE STA 100+00 TO STA 108+00
12	C-102	PLAN AND PROFILE STA 108+00 TO STA 116+00
13	C-103	PLAN AND PROFILE STA 116+00 TO STA 124+00
14	C-104	PLAN AND PROFILE STA 124+00 TO STA 131+00
15	C-105	PLAN AND PROFILE STA 131+00 TO STA 138+63.74
16	C-106	PLAN AND PROFILE STA 200+00 TO STA 205+13.67
17	C-107	PLAN AND PROFILE STA 300+00 TO STA 307+00
18	C-108	PLAN AND PROFILE STA 307+00 TO STA 315+00
19	C-109	PLAN AND PROFILE STA 315+00 TO STA 323+00
20	C-110	PLAN AND PROFILE STA 323+00 TO STA 327+62.29
21	C-111	PLAN AND PROFILE STA 400+00 TO STA 407+00
22	C-112	PLAN AND PROFILE STA 407+00 TO STA 412+37.09
	SHEET 1 OF 1	NTUA WATERLINE EASEMENT EXHIBIT
	SHEET 1 OF 2	WESTWATER SUBDIVISION NTUA WATERLINE EASEMENT
	SHEET 2 OF 2	WESTWATER SUBDIVISION NTUA WATERLINE EASEMENT

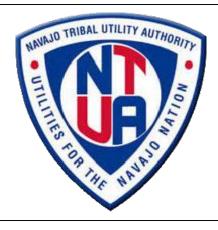


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WESTWATER WATER SYSTEM DESIGN

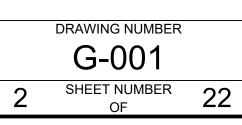
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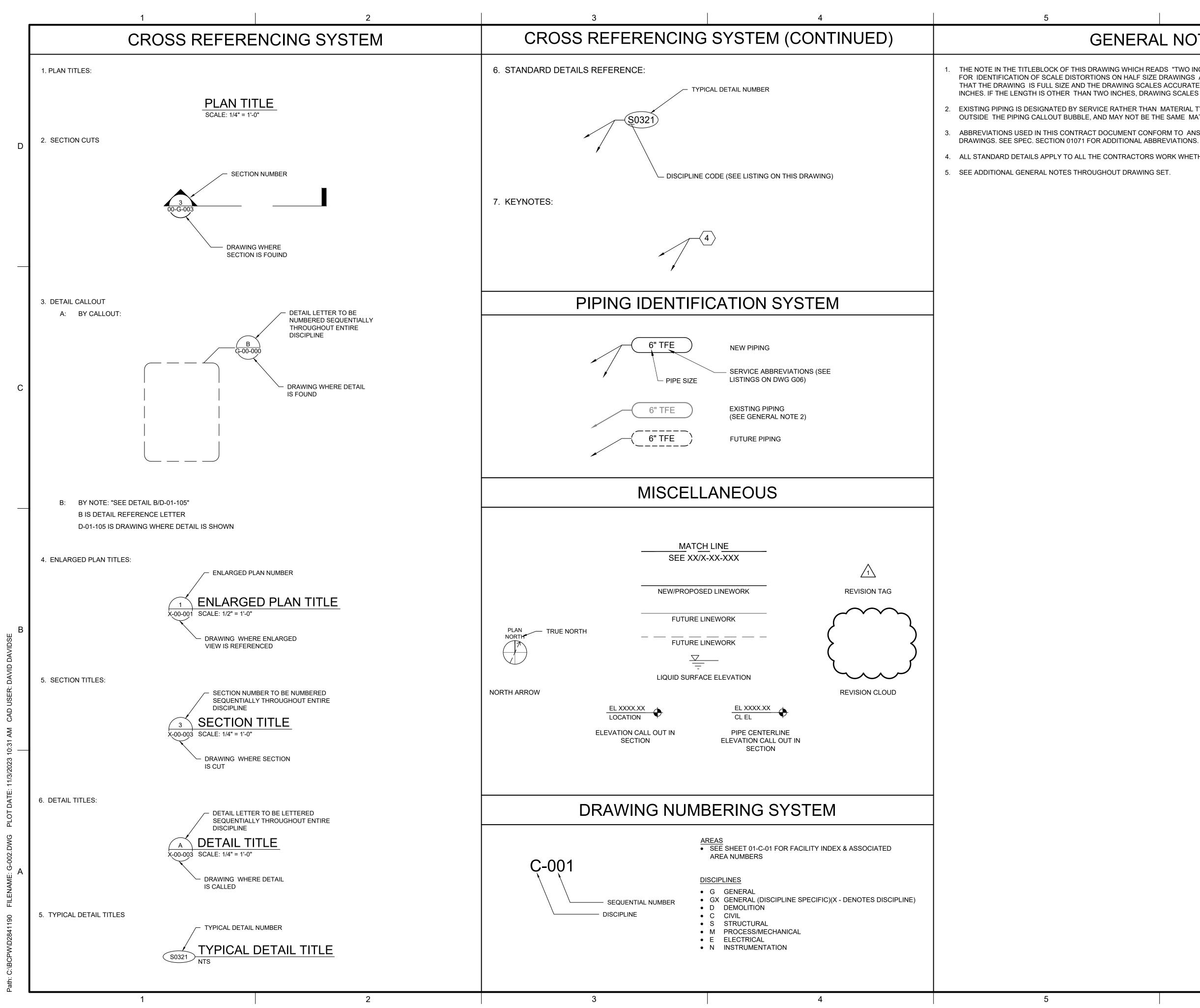
G-001.DWG BC PROJECT NUMBER 158815 CLIENT PROJECT NUMBER

GENERAL

DRAWING INDEX

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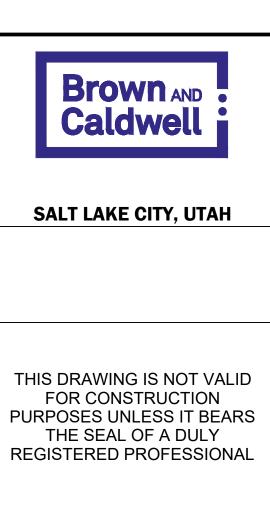
GENERAL NOTES

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.

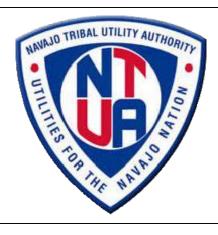
ABBREVIATIONS USED IN THIS CONTRACT DOCUMENT CONFORM TO ANSI Y1.1, UNLESS NOTED OTHERWISE ON

4. ALL STANDARD DETAILS APPLY TO ALL THE CONTRACTORS WORK WHETHER SPECIFICALLY REFERENCED OR NOT.



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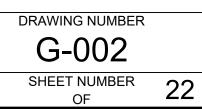


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APPROVED: S. BRENCHLEY						
FILENAME						
G-002.DWG						
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CLIENT PROJECT NUMBER						
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GENERAL





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1:31 AM CAD USER: DAVID DAVIDSE	B
PW\D2841190 FILENAME: G-003.DWG PLOT DATE: 11/3/2023 10:31 AM CAD USER: DAVID DAVIDSE	A

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A AC A/C ACC ACP ACST ACU AF AHU AMD .ANC AR ARV AS ATP ATS AV	AMPERE ASPHALTIC CONCRETE AIR CONDITIONING AREA CONTROL CENTER ASBESTOS CEMENT PIPE ACOUSTIC AIR CONDITIONING UNIT AIR FILTER AIR HANDLING UNIT AIR MONITORING DEVICE ANCHOR AIR RETURN AIR RETURN AIR RELEASE VALVE AIR SUPPLY VERTICAL TURBINE PUMP AIR RELEASE VALVE AUTOMATIC TRANSFER SWITCH ANGLE VALVE
BAC BAV BC BCR BCOP BFP BFV BGAT BF BHP BSN BUV	BACTERIOLOGICAL BALL VALVE BEGINNING OF CURVE BEGINNING OF CURVE RETURN BARE COPPER BACK FLOW PREVENTER BUTTERFLY VALVE BOOLEAN GATE BLIND FLANGE BRAKE HORSEPOWER BAR SCREEN BUTTERFLY VALVE
CAB CAF CAV CC C-C CCSP CDR CDD CER CFH CFR CFR CFR CFR CFR CFR CFR CFR CFR CFR	DIRECT BURIAL CABLE COMBUSTION AIR FAN COMBO AIR VALVE COOLING COIL CENTER TO CENTER CONCRETE CYLINDER PIPE CONCRETE LINED AND COATED STEEL PIPE CEILING DIFFUSER CONDUCTOR CONDENSING UNIT CEILING EXHAUST DIFFUSER CEILING EXHAUST REGISTER CUBIC FEET CUBIC FEET PER HOUR CODE OF FEDERAL REGULATIONS CHILLER CIRCUMFERENCE CHECKER PLATE CENTERLINE CLEARANCE CHLORINE MANUAL CONTROL STATION MANUAL-AUTO CONTROL STATION CEMENT MORTAR COATED CEMENT MORTAR COATED CEMENT MORTAR COATED CONTROL CARBON DIOXIDE CHEMENT MORTAR COATED CONTROL CONJUNG CONJUNCE CONDUCTIVITY CONNECTION CONSTRUCTION JOINT CONTINUED COMPRESSOR CHLORINATED POLYVINYL CHLORIDE CONDUCTIVITY CONNECTION CONDUCTIVITY CONNECTION CONDUCTACK CHEMICAL FEEDER CHANGE CHLORINATED POLYVINYL CHLORIDE CONDUCTROL CORDUCATED RUBBER EXPANSION JOINT CEILING SUPPLY DIFFUSER CRANE CONTROL VALVE
DB DE DF DG DI DM DR DT DU DWF	DUCT BANK DENSITY METER DRINKING FOUNTAIN DUCT FIRE DAMPER DOOR GRILLE DUCTILE IRON DAMPER MOTOR DRAIN ROCK DRAIN TRAP DRIVE UNIT DRIVE UNIT
EA EAU EC ECU ED EE EF EF EG EJ EL ELL	EXHAUST AIR / ENVIRONMENTAL ASSESSMENT ENTERING AIR TEMPERATURE ENGINE ALTERNATOR UNIT END OF CURVE EVAPORATIVE COOLING UNIT EXTRACTOR DAMPER, EQUIPMENT DRAIN EACH END EXHAUST FAN EFFLUENT EXHAUST GRILLE EXPANSION JOINT ELEVATION ELBOW

ENCL E/P EQ EQUIP ES EWEF EWT	EQUIPMENT EXISTING SURFACE EACH WAY EACH FACE ENTERING WATER TEMPERATURE EXHAUST GRILLE
FAI FB FC FCL FCR FE FF F-F FH FIN FIT FL FLC FLP FLR FLT FM FMH FMX FO FP FPC	FAHRENHEIT, FACE, FUSE(D), FAN FRESH AIR INTAKE FLAT BAR, FLOOR BEAM FAIL CLOSED FREE CHLORINE FINE CRUSHED ROCK FLOWMETER FAR FACE / FINISHED FLOOR FACE TO FACE FIRE HYDRANT, FLATHEAD FINISHED FLOW INDICATING TRANSMITTER FLOW LINE FLOCCULATOR FLUID POWER UNIT FLOOR FILTER FORCE MAIN , FLOW METER FLEXIBLE METAL HOSE FLASH MIXER FAIL OPEN FILTER PRESS FLEXIBLE PIPE COUPLING FPC TO TAKE TENSION FREEZESTAT FLOW SWITCH, FIRESTAT FLASH TANK
G GAC GB GBV GDR GEN GFI GPD GRDR GRT GSP GT GV	POWER ACTUATED GATE GRANULATING ACTIVATED CARBON GRADE BREAK GLOBE VALVE GRINDER GENERATOR GROUND FAULT INTERRUPTOR GALLONS PER DAY GRINDER GROUT GALVANIZED STEEL PIPE GATE GATE VALVE
HEX HDOT HG HHV	HAND AUTO HEATING COIL HEAT EXCHANGER HEAVY DUTY OILTIGHT MERCURY, HAND GRADE HEAT HOSE VALVE HAND-OFF-AUTO HORIZONTAL HIGH PRESSURE, HIGH POINT, HORSEPOWER HANDRAIL, HEAT RESERVOIR HIGH SIGNAL SELECT HIGH TEMPERATURE VENT HOSE VALVE HEATING AND VENTILATING HEATING, VENTILATING AND AIR CONDITIONING HIGH WATER HYDRANT INCINERATOR
IF IL INF INS INTER INT INV IT	INSIDE FACE INDICATING LAMP INFLUENT INSULATE(D)(ION) INTERMEDIATE INTERIOR INVERT INSTRUMENT TAP
JST	JOIST
K KV KVA KVAR KW	KIP (1000 POUNDS) KILOVOLT KILOVOLT AMPERE KILOVAR KILOWATT
LAT LCP LE LGW LIT LOD LOS LS	LEAVING AIR TEMPERATURE, LATERAL, LATITUE LOCAL CONTROL PANEL LEVEL METER LOWER EXPLOSIVE LIMIT LOWER GREASEWOOD LEVEL INDICATION TRANSMITTER LIMITS OF DISTURBMENTS LOCKOUT STOP LIMIT SWITCH
MBH MCC MCM MCU	THOUSAND BTU'S PER HOUR MOTOR CONTROL CENTER THOUSAND CIRCULAR MILLS MASTER CONTROL UNIT

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NOTES:

1. ADDITIONAL ABBREVIATIONS ARE DEFINED IN ANSI Y1.1-1972.

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2. ABBREVIATIONS FOR PIPING SYSTEMS ARE SPECIFIED IN SECTION 15050.

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MD	MOTORIZED DAMPER	SLR	SILENCER
MEE	MISCELLANEOUS ELECTRICAL EQUIPMENT	SN	SCREEN
MGD	MILLION GALLONS PER DAY	SP	SPACE, SET POINT, STATIC PRESSURE
/IG/I	MILLIGRAMS PER LITER	SPG	SPACING
AIE	MISCELLANEOUS INSTRUMENTATION EQUIPMENT	SPT	SOUND POWERED TELEPHONE
MILSPEC		SO2	SULFUR DIOXIDE
MIN		SPL	
MJ ML	MECHANICAL JOINT MILLILITER	SR SRV	SPEED REDUCER, SALT RIVER PROJEC SAFETY RELIEF VALVE
ипс	MISCELLANEOUS MECHANICAL EQUIPMENT	SRG	SAFETT RELIEF VALVE
NOP	MOTOR OPERATOR	SS	STAINLESS STEEL, SANITARY SEWER,
MOV	MOTOR OPERATED VALVE	SSC	SOLID STATE CONTROLLER
MUL/DIV	MULTIPLY/DIVIDE	SSFH	STAINLESS STEEL FLAT HEAD
ΜV	MUD VALVE, MILLIVOLT	SSK	SERVICE SINK
МХ	MIXER	ST	START
		STD	STANDARD
N	NEUTRAL	STGA	STARTING AIR
	NONAUTOMATIC	SUB	SUBSTITUTE
NAOH NEG	SODIUM HYDROXIDE NEGATIVE	SUP SV	SUMP PUMP SOLENOID VALVE
	NORMALLY CLOSED	SWB	SWITCHBOARD
NF	NONFUSED	SWGR	SWITCHGEAR
NOX	NITRATES AND NITRITES	SYM	SYMMETRICAL
NPSH	NET POSITIVE SUCTION HEAD		
NRS	NONRISING STEM	TP	TANGENT POINT
~ .		ТВ	TERMINAL BOX
AC		T/B	TOP OF BANK
		TBN	
OB ור	OPPOSED BLADE	T/C	
)L)-0	OVERLOAD OUT TO OUT	TCL TCP	TOTALLY CLOSED
J-U DRF	OUT TO OUT ODOR REMOVAL FILTER	TD	TEMPERATURE CONTROL PANEL TIME DELAY RELAY
JRF JRP	OXIDATION REDUCTION POTENTIAL	TD TFR	TRANSFORMER
ORT	ODOR REMOVAL TOWER	TNK	TANSFORMER
OSA	OUTSIDE AIR	TOA	TEST-OFF-AUTO
OSC	ODOR SCRUBBER	TOC	TOTAL ORGANIC CARBON
		TPG	TOPPING
D	PUMP	TPLX	TRIPLEXED
PAR	PARALLEL	TR	TIMING RELAY, STAIR TREAD
PC	PLAIN CONCRETE, PIPE COUPLING	TRM	TRANSMITTER
PCC	PLANT CONTROL CENTER	TRN	TRANSDUCER
PCHV PCP	PINCH VALVE PLAIN CONCRETE PIPE	TRS TS	TRANSFER SWITCH
PC-T	PIPE COUPLING TO TAKE TENSION	TV	TEMPERATURE SWITCH THERMOSTATIC VALVE
PCU	PHOTOELECTRIC CONTROL UNIT	I V	
P/E	PNEUMATIC/ELECTRIC	UG	UNDERGROUND
PF	POWER FACTOR	UL	ULTIMATE LOAD
כן	PROPORTIONAL PLUS INTEGRAL CONTROL , PRESSURE GAUGE	UN	UNION
PID	PROPORTIONAL PLUS INTEGRAL PLUS DERIVATIVE CONTROL	UP	UTILITY POLE
PIT	PRESSURE INDICATING TRANSMITTER	UPS	UNINTERRUPTIBLE POWER SUPPLY
PIVC	POINT OF INTERSECTION ON VERTICAL CURVE	US	UTILITY STATION
PL	PROPERTY LINE, PIPELINE, PLATE	USS	UNIT SUBSTATION
	PLUG VALVE	N /	
PLYWD PMP	PLYWOOD PUMP	V VAC	VALVE, VOLTS VOLTS ALTERNATING CURRENT
PNL	PANEL, PANELBOARD	VAC	VARIES, VARIABLE
PO4	PHOSPHATE	VAIX	VERTICAL CURVE
POP	PNEUMATIC OPERATOR	VCP	VITRIFIED CLAY PIPE
P P	POWER POLE	VD	VOLUME DAMPER
PRES	PRESSURE	VDC	VOLTS DIRECT CURRENT
PRD	PRESSURE RELIEF DAMPER	VEN	VENTILATOR
PRV	PRESSURE REGULATING (REDUCING) (RELIEF) VALVE	VFD	VARIABLE FREQUENCY DRIVE
PRS	PRESSURE REDUCING STATION	VFT	VACUUM FILTER
PS	PRESSURE SWITCH, PRESSURE SENSOR, PUMP STATION	VP	VAPOR PRESSURE, VACUUM PUMP
PSIA	POUND PER SQUARE INCH ABSOLUTE	VSC	VARIABLE SPEED COUPLING
⊃SIG ⊃V	POUNDS PER SQUARE INCH GAGE	VTR	VENT THROUGH ROOF
⊃∨ ⊃VL	PLUG VALVE, PROCESS VARIABLE PRESSURE VESSEL	VV	VARIABLE VOLUME BOX
-v∟ >VT	PAVEMENT	WC	WATER CLOSET, WATER COLUMN
• •		WCO	WATER CLOSET, WATER COLOMIN WALL CLEANOUT
Q	RATE OF FLOW	WEG	WALL EXHAUST GRILLE
	QUICK COUPLING	WER	WALL EXHAUST REGISTER
		WF	WIDE FLANGE
२.	RADIUS	WG	WASTE GAS
RA	RETURN AIR	WM	WATER METER
RAF	ROLL TYPE AIR FILTER	WSR	WALL SUPPLY REGISTER, WASHER
RCR	RECORDER	WSTP	WATERSTOP
	RECEIVER	WT WTP	WATERTIGHT
RECD		WTP	
RECP RED	RECEPTACLE REDUCE(R)	WV WWF	WATER VALVE WELDED WIRE FABRIC, WET WEATHER
REG	REGULATOR	vvvV⊏	WELDED WILL LADING, WEI WEATHER
REL	RELAY	Х	SPARE CONDUIT
RT	RIGHT	XLP	CROSS LINKED POLYETHYLENE
RTP	REINFORCED THERMOSET PLASTIC	XP	EXPLOSION-PROOF
RTU	REMOTE TERMINAL UNIT		
	RIGID GALVANIZED STEEL	YCO	YARD CLEANOUT
	REDUCED LEVEL		
RL	RECLAIMED WATER	ZS	POSITION SWITCH
RL RW			
RL RW RWCD	RECALIMED WATER CONSERVATION DISTRICT		
RGS RL RW RWCD RWL	RECALIMED WATER CONSERVATION DISTRICT RAINWATER LEADER		
RL RW RWCD			
RL RW RWCD			
RL RW RWCD RWL S SB	RAINWATER LEADER SOUTH, SILENCER SIGNAL BOX		
RL RW RWCD RWL S SB SBD	RAINWATER LEADER SOUTH, SILENCER SIGNAL BOX SWITCHBOARD		
RL RW RWCD RWL SB	RAINWATER LEADER SOUTH, SILENCER SIGNAL BOX		

DITIONING	

., LATITUDE

SD SEP

SG SI SIM SL SLG

SPLITTER DAMPER, SMOKE DETECTOR

SUPPLY GRILLE, SLUICE GATE

SEPARATOR

SIMILAR

SLOPE SLIDE GATE

SPEED INCREASER

СТ

, SPEED SELECTOR

R FLOW

Brown AND Caldwell

SALT LAKE CITY, UTAH

THIS DRAWING IS NOT VALID

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WESTWATER WATER SYSTEM DESIGN

REVISIONS REV DATE DESCRIPTION --- -------- ----LINE IS 2 INCHES DESIGNED: C. WILLMORE DRAWN: D. DAVIDSE CHECKED: ----CHECKED: ----APPROVED: S. BRENCHLEY

FILENAME G-003.DWG BC PROJECT NUMBER 158815 CLIENT PROJECT NUMBER

GENERAL

STANDARD ABBREVIATIONS

DRAWING NUMBER G-003 SHEET NUMBER OF 22

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	CIVIL S	YMBOLS				
	w	WATERLINE	GE	NERAL NOTES	<u>SIT</u>	E GRAI
	w	EXISTING WATERLINE	1.	(1.	STRIPF
	OHP	OVERHEAD POWER LINE		NECESSARY) ALL EXISTING UTILITIES (VERTICAL AND HORIZONTAL LOCATION), CONDUITS, FOUNDATIONS AND OTHER		02200 E
D	OHP	EXISTING OVERHEAD POWER LINE		UNDERGROUND OBJECTS PRIOR TO THE START OF WORK.	2.	ALL RC SHALL OTHER
	UGTEL	EXISTING UNDERGROUND TELEPHONE LINE	2.	FENCES, SIGNS, CURBS, LIGHT POLES, IRRIGATION PIPING, CONTROL WIRING, AND SPRAY HEADS, ETC. SHALL BE REMOVED AND	3.	CONTR
	G	EXISTING GAS LINE		REPLACED AS NECESSARY TO PERFORM THE WORK. UNLESS OTHERWISE INDICATED, ALL		MATER THE CO
	0 0	FENCE		SUCH WORK SHALL BE INCIDENTAL TO CONSTRUCTION OF THE PROJECT. ALL		FOR TH
	X X	EXISTING FENCE		DISTURBED AREAS INCLUDING CONCRETE STEPS, TIMBER STEPS, RETAINING WALLS,	4.	ALL CA VALVE
	6700	CONTOUR LINE		CONCRETE SIDEWALKS, PAVEMENT, LIGHT POSTS, CURBS, UNDERGROUND PIPING AND		WITH S
	6700	EXISTING CONTOUR LINE		STRUCTURES SHALL BE RESTORED TO MATCH EXISTING UNLESS OTHERWISE NOTED.		OTHER
	•	GATE VALVE	3.		5.	
	¥¥ ⊠	EXISTING GATE VALVE	3.	BEYOND THE LIMIT OF WORK SHALL BE		OF ALL
	\bigcirc	WELL		RESTORED AT NO ADDITIONAL COST TO THE OWNER.		
		EXISTING WELL	4.		0	REGUL
	-	POWER POLE		APPARATUS, MATERIALS, SUPPLIES, AND EQUIPMENT ON DRAINAGE STRUCTURES OR	6.	WHERE AND RI
С	С	EXISTING POWER POLE		WITHIN 100 FEET OF WETLANDS.		THE EX
	(—	EXISTING GUY WIRE	5.	THE CONTRACTOR SHALL GRADE PROPOSED SLOPES TO MEET EXISTING SLOPES WHERE	_	MANAG
	Þ	REDUCER		SHOWN ON PLANS.	7.	CONTR
	D	EXISTING REDUCER	6.	THE CONTRACTOR SHALL INSTALL AND MAINTAIN EROSION CONTROL DEVICES.		MANAG
	•	FLUSH VALVE	7.	THE CONTRACTOR SHALL NOTIFY NTUA AT	<u>SIT</u>	E PIPIN
	T	AIR RELEASE VALVE		LEAST 72 HOURS PRIOR TO EXCAVATING NEAR ANY UTILITIES.	1.	ALL PIF
		SURVEY MARKING WATER LINE CASING	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.	2.	BETWE DRAWI PERMI BENDS RESTR (HORIZ TO MEI INDICA ALL BU SHALL
В			9.	ALL EXISTING UTILITY INFORMATION WAS OBTAINED FROM SOUTH EASTERN UTAH HEALTH DEPARTMENT, INDIVIDUAL HOME OWNERS, NAVAJO AREA INDIAN HEALTH SERVICES (NAIHS), <u>NTUA AND FIELD SURVEY</u> . THIS INFORMATION MAY NOT BE COMPLETELY ACCURATE OR INDICATE ALL OF THE UTILITIES, UNDERGROUND PIPING, OR BURIED STRUCTURES PRESENT.	3.	FLEXIB FEET F TYPE (BE RES OPENII BASES LOCAT MANUF NOT BE
			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.		THE CO
			11.	THE CONTRACTOR SHALL COMPLY WITH ALL APPLICABLE REGULATIONS OF THE OCCUPATIONAL SAFETY AND HEALTH ADMINISTRATION (OSHA).		
A			12.	REFER TO THE SPECIFICATIONS FOR INFORMATION REGARDING ANY NECESSARY COORDINATION WITH OTHERS, INCLUDING RESPONSIBILITIES AND RELATED COSTS.		
	1			2		

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- PPING OF TOPSOIL SHALL BE IN ORDANCE WITH SPECIFICATION SECTION DEARTHWORK.
- ROAD AND PARKING AREA SURFACES L PITCH 2 PERCENT MINIMUM UNLESS RWISE NOTED.
- RACTOR SHALL NOT TRACK OR SPILL H, DEBRIS OR OTHER CONSTRUCTION RIAL ON PUBLIC OR PRIVATE STREETS. CONTRACTOR SHALL BE RESPONSIBLE THE IMMEDIATE ASSOCIATED CLEAN UP.
- ATCH BASINS, MANHOLES, VALVE PITS, E BOXES AND OTHER BURIED FACILITIES SURFACE ACCESS SHALL BE ADJUSTED ATCH FINAL GRADES, UNLESS RWISE INDICATED.
- RACTOR SHALL REMOVE AND DISPOSE L DEBRIS AND EXCESS EXCAVATED RIAL FROM WITHIN THE CONSTRUCTION OF WORK, TO A SUITABLE SITE IN PLIANCE WITH SAN JUAN COUNTY JLATIONS.
- RE EXISTING PAVEMENT IS REMOVED REPLACED, MATCH EXISTING GRADES TO EXTENT POSSIBLE. COORDINATE FINE DING WITH THE CONSTRUCTION
- RACTOR TO REGRADE, AND RESEED ALL JRBED AREAS PER CONSTRUCTION GER AND PER SPEC 02270.

NG NOTES

- PIPE LINES SHALL SLOPE UNIFORMLY VEEN ELEVATIONS INDICATED ON THE VINGS. NO CRESTS IN PIPING WILL BE MITTED. ALL HORIZONTAL AND VERTICAL OS IN PRESSURIZED LINES SHALL BE RAINED JOINTS. PROVIDE ALL BENDS IZONTAL AND VERTICAL) AS REQUIRED EET THE GRADES AND ALIGNMENT CATED ON THE DRAWINGS.
- URIED CONNECTIONS TO STRUCTURES L HAVE SLEEVE TYPE (SOLID SLEEVE) BLE CONNECTIONS APPROXIMATELY 4 FROM THE STRUCTURES. ALL SLEEVE COUPLINGS ON PRESSURE LINES SHALL ESTRAINED.
- IINGS FOR PIPE IN PRECAST MANHOLE S SHALL BE CAST IN THE REQUIRED TIONS DURING MANHOLE JFACTURE. FIELD CUT OPENINGS WILL BE PERMITTED UNLESS APPROVED BY CONSTRUCTION MANAGER.

SITE PIPING NOTES (CONT'D.)

- 4. A MINIMUM OF 48-INCHES OF COVER REQUIRED ON PIPES UNLESS NOTED OTHERWISE.
- 5. REFER TO SPECIFICATION SECTION 02200 AND CIVIL DETAILS FOR PIPE AND STRUCTURE BEDDING AND BACKFILL REQUIREMENTS.
- 6. COMPACTION TESTS WILL BE PERFORMED IN ACCORDANCE WITH SPECIFICATION SECTION 02200, EARTHWORK. ANY SETTLEMENT OCCURRING WITHIN ONE YEAR OF FINAL COMPLETION OF THE WORK SHALL BE CORRECTED BY THE CONTRACTOR AT NO ADDITIONAL COST.
- 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.
- 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.
- 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.
- 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.
- 11. ALL EXISTING UTILITIES ENCOUNTERED DURING CONSTRUCTION ARE TO REMAIN IN SERVICE THROUGHOUT THE PROJECT, UNLESS OTHERWISE NOTED.
- 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.

SITE PIPING NOTES (CONT'D.)

- 13. UNLESS OTHERWISE INDICATED, CONCRET USED FOR ENCASEMENT, ANCHOR BLOCKS BACKING, PIPE CRADLES, ARCHES AND FILL SHALL HAVE A MINIMUM COMPRESSIVE STRENGTH OF 3,000 PSI AT 28 DAYS.
- 14. SURVEY COORDINATES AND ELEVATIONS SHALL BE PROVIDED FOR ALL BURIED PIPIN BENDS AND VALVES ON AS-BUILT DRAWING
- 15. PROVIDE VALVE BOXES FOR ALL BURIED VALVES.
- 16. THE CONTRACTOR WILL POTHOLE AS REQUIRED AND SHALL FIELD INVESTIGATE PIPING AND INTERFERENCES WITH EXISTIN FACILITIES PRIOR TO BEGINNING WORK. CONTRACTOR SHALL FIELD ROUTE NEW LIN AS NECESSARY TO AVOID EXISTING FACILITIES AND SHALL COORDINATE FIELD ROUTING WITH CONSTRUCTION MANAGER.
- 17. UNLESS NOTED OTHERWISE ALL UNDERGROUND PIPING SHALL BE INSTALLE PER TRENCH ALTERNATE TRENCH DETAIL WS-15 ON C-003
- 18. ASPHALT SURFACES DISTURBED DURING UNDERGROUND PIPING INSTALLATION, DUC BANK INSTALLATION AND OTHER ACTIVITIES SHALL BE REPAIRED.

SITE LAYOUT NOTES

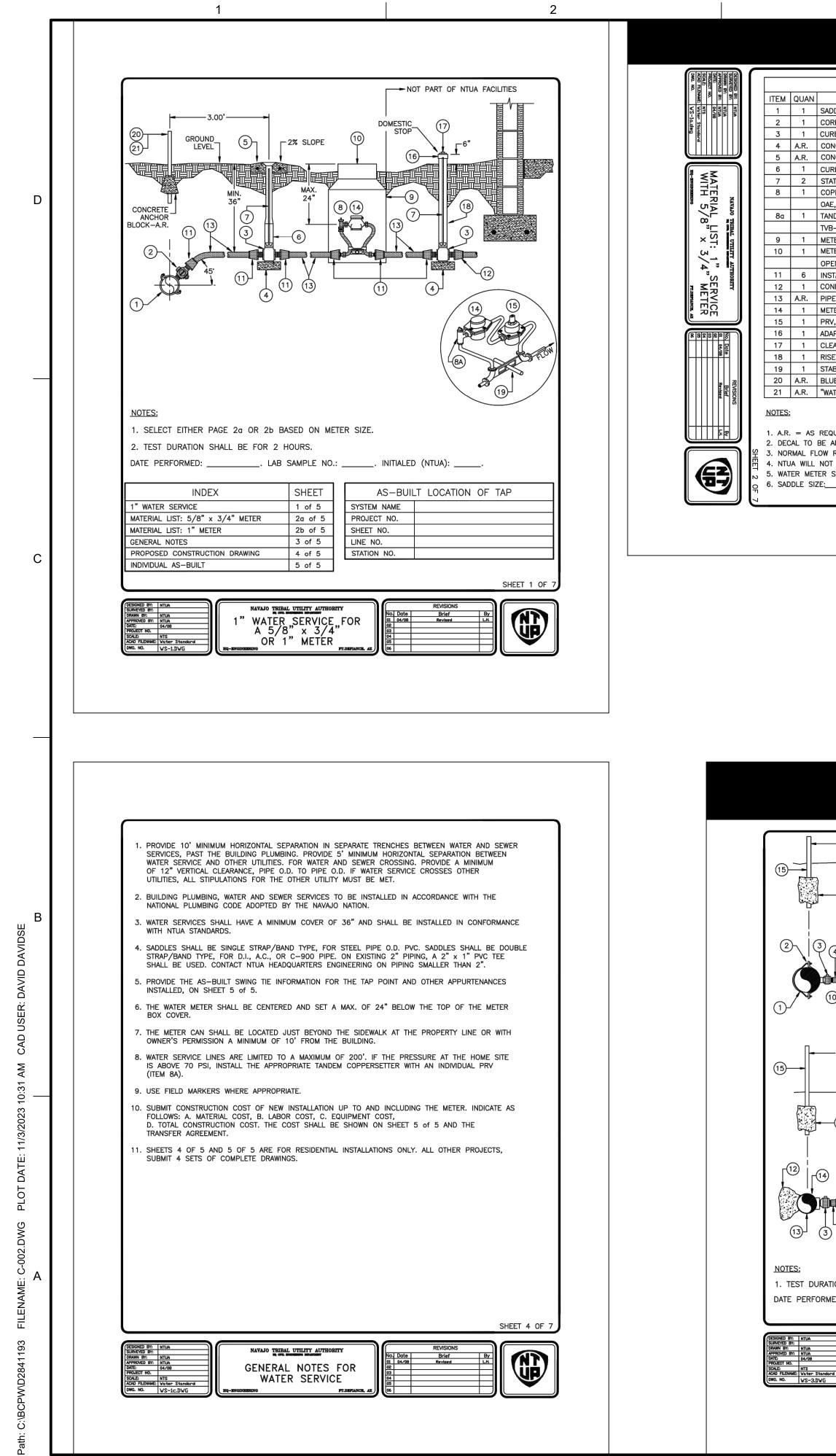
- 1. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE LAYOUT OF ALL PROPOSED WORK AS SHOWN ON THE DRAWINGS.
- 2. THE LOCATION AND LIMITS OF ALL ON-SITE WORK AND STORAGE AREAS SHALL BE REVIEWED/COORDINATED WITH, AND ACCEPTABLE TO, THE OWNER AND CONSTRUCTION MANAGER. THE CONTRACTOR SHALL LIMIT THEIR ACTIVITIE TO THESE AREAS.
- 3. THE CONTRACTOR SHALL BE RESPONSIBLE FOR RE-ESTABLISHING AND RESETTING ALL EXISTING PROPERTY MONUMENTS DISTURBED BY THEIR OPERATIONS. THIS WORK SHALL BE DONE BY A LAND SURVEYO REGISTERED IN THE STATE OF UTAH AT NO ADDITIONAL COST TO THE OWNER.
- 4. WRITTEN DIMENSIONS SHALL PREVAIL. DO NOT SCALE DISTANCES FROM THE DRAWING REPORT ANY DISCREPANCIES IMMEDIATELY TO THE CONSTRUCTION MANAGER.

		6		
			Brown AND Caldwell	
	PE	RMITS AND NOTIFICATION NOTES		
TE S, L	1.	THE CONTRACTOR SHALL COMPLETE A STORMWATER POLLUTION PREVENTION PLAN (SWPPP) FOR THE PROJECT. SEE SPECIFICATION SECTION 01561.	SALT LAKE CITY, UTAH	
ING IGS.	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.	THIS DRAWING IS NOT VALID FOR CONSTRUCTION PURPOSES UNLESS IT BEARS	D
	3.	A REQUEST FOR SHUTDOWN SHALL BE REQUIRED WHENEVER CONNECTIONS ARE MADE TO ANY UTILITY LINE, INCLUDING ELECTRIC POWER AND COMMUNICATION	THE SEAL OF A DULY REGISTERED PROFESSIONAL	
INES CR. .ED		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		
ES		SUBJECT TO APPROVAL BY THE OWNER.	90% SUBMITTAL	С
	<u>SU</u>	RVEY DATUM	NAVAJO TRIBAL UTILITY AUTHORITY	
_E ₹K	1.	THE "PROJECT COORDINATES" AND BEARINGS AND DISTANCES DERIVED THEREFROM ARE EXPRESSED IN A LOCAL GROUND SYSTEM DEFINED AS FOLLOWS:		
E		HORIZONTAL DATUM = NORTH AMERICAN DATUM OF 1983 (N.A.D.83)	Carlie Hubbe	
IES		VERTICAL DATUM = NORTH AMERICAN VERTICAL DATUM OF 1988 (N.A.V.D. 88)	WESTWATER	
.E		COORDINATE SYSTEM = US STATE PLANE 1983, UTAH SOUTH ZONE (4303)	WATER SYSTEM	
LL		PROJECTED AT GROUND	DESIGN	
YOR		GEOID MODEL = GEOID 18	REVISIONS	
0		UNITS = US SURVEY FOOT	REV DATE DESCRIPTION	
D		FALSE NORTHING = -10,000,000		В
NGS. LY		FALSE EASTING = -2,000,000		
		COMBINED SCALE FACTOR = 0.99965728 POINTS WERE SCALED FROM COORDINATE 0,0 IN THE NAD 83 US STATE PLAN UTAH SOUTH ZONE COORDINATE SYSTEM USING THE COMBINED SCALE	 LINE IS 2 INCHES AT FULL SIZE	
		FACTOR LISTED ABOVE.	DESIGNED: C. WILLMORE DRAWN: D. DAVIDSE	
		(SCALING LATITUDE = N10°28'48.68912") SCALING LONGITUDE = W115°36'46.30451")	DRAWN: D. DAVIDSE CHECKED: CHECKED:	
		TO CONVERT TO STATE PLANE COORDINATES USE THE FOLLOWING:	APPROVED: S. BRENCHLEY FILENAME C-001.DWG	
		STATE PLANE NORTHING = (PROJECT NORTHING + 10,000,000) / 1.00034284	BC PROJECT NUMBER 158815 CLIENT PROJECT NUMBER	
		STATE PLANE EASTING = (PROJECT EASTING + 2,000,000) / 1.00034284.	CIVIL	
			GENERAL CIVIL NOTES AND SYMBOLS DRAWING NUMBER C-001	A

SHEET NUMBER

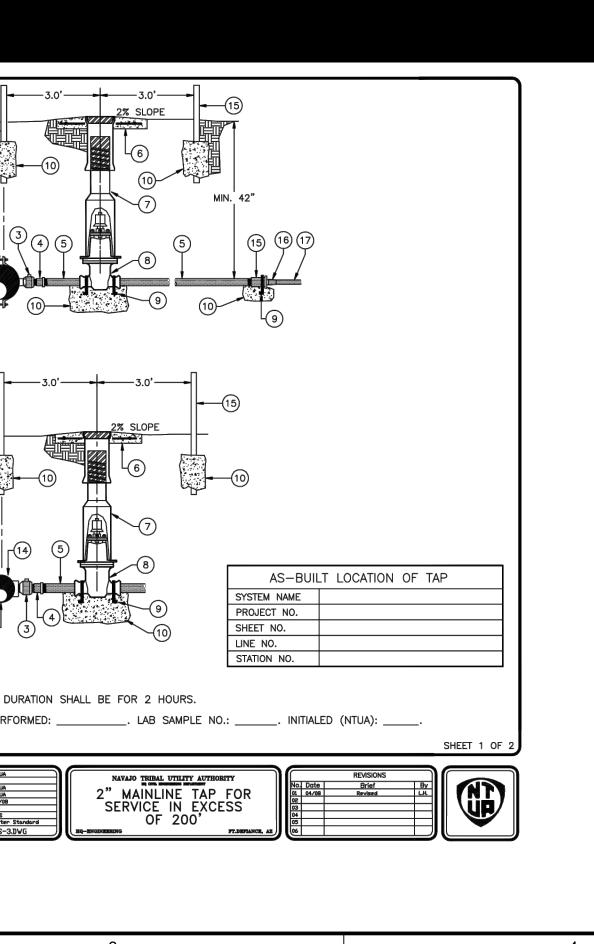
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AMATERIAL LIST DESCRIPTION DESCRIPTION DDLE, BRASS, 1" FIPT × APPROPRIATE PIPE TYPE, O.D., AND LINE PRESSURE RPORATION STOP, 1" MIPT × 1" FIPT, MUELLER H=10046, OAE RB STOP, 1" MIPT × 1" FIPT, MUELLER H=10046, OAE RB STOP, 1" FIPT, XINNEAPOLIS PATTERN W/ O-RING, MUELLER H=10287, OAE NOCRETE BLOCK OR BRICK WIPT × 1" FIPT, MUELLER H=10302, W/ 2" × 1 1/2" BUSHING, OAE ATIONARY ROD 36" LONG, MUELLER PART #84338, SECURED TO THE CURB STOP W/ COTTER POPERSETTER W/ VALVED 12" RISER FOR 5/8" × 3/4" WATER METER, FORD NO. VB72-12W-FE, W/ 1" IP UNION NUT/SWIVEL ASSEMBLY CONNECTION ON INLET, OUTLET, AND BRACING EV NDEM COPPERSETTER WITH VALVED 12" RISER, 5/8" × 3/4" WATER METER, FORD NO. B-72-12W-FF-44, OAE, W/ TWO REGULATOR ADAPTERS FOR THE PRV TER CAN, 20" O.D. *30" HT., DFW PLASTIC, DFW 2030 B SERIES "I" TOP TER MOX COVER W/ FROST PLATE, FOR 20" METER CAN, 11 1/2" MINIMUM LID ENDING, CASTING M-70 STATITE FITTING, I" MIPT × 1" STAB FOR SIDR 7 P.E. PIPE, MUELLER H15426 NINCE/COVER W/ FROST PLATE, FOR 20' MAX. TER CON, 23.5 SIDR 7, 200 PSI, 200' MAX. TER, ASTING M-70	-FF—44,	2 3 4 A 3 4 A 5 A 3 4 A A A 3 4 A A A 3 4 A A A 4 A A A A 6 7 8 A A 6 7 8 B B A 0 10 11 12 A A 10 11 12 A A A 10 11 12 A A A 14 15 16 A A A A 14 15 16 A	JAN 1 SADDLE, BRASS, 1" FIPT × APPROPRIATE P 1 CORPORATION STOP, 1" MIPT × 1" FIPT, M 1 CURB STOP, 1" FIPT × 1" FIPT, MINNEAPOL R. CONCRETE BLOCK OR BRICK R. CONCRETE COLLAR, 18" SQUARE × 4" THIC 1 CURB VALVE BOX, EXTENSION TYPE, MUELL 2 STATIONARY ROD, 36" LONG, MUELLER PAR 1 COPPERSETTER W/ VALVED 12" RISER, 1"	IUELLER H-10046, OAE LIS PATTERN W/ O-RING, MUELLER H-10287, CK, W/ #4 REBARS, E.W.O.C. LER H-10302, W/ 2" x 1 1/2" BUSHING, OAE RT #84338, SECURED TO THE CURB STOP W/ WATER METER, FORD NO. VB74-12W-FF-44, BLY CONNECTION ON INLET, OUTLET, AND BRAC RISER, 1" WATER METER, FORD NO. TVB-74-1 THE PRV ASTIC, DFW 2030 B SERIES "T" TOP 20" METER CAN, 11 1/2" MINIMUM LID OR SIDR 7 P.E. PIPE, MUELLER H15426 ENATE PIPE TYPE AND O.D. D PSI, 200' MAX. SR, 1", GALLONS, W/ FROST PLATE FIPT PVC, SCH. 40	COTTER PIN		T LAKE CITY, UTAH
QUIRED AFFIXED TO ITEM NO. 20. RATE = 1-20 GPM. T PROVIDE WATER METERS FOR SUBDIVISIONS AND DEVELOPERS. SERIAL NUMBER:		2. DECAL	AS REQUIRED TO BE AFFIXED TO ITEM NO. 20. AL FLOW RATE = 3-50 GPM. METER SERIAL NUMBER: E SIZE:			UTILITY W	SUBMITTAL
3.0' + 3.0' + 13' + 10' + 12'' + 10' + 10' + 12'' + 10' +		2 3 2 3 3 4 5 A 6 A 7 8 9 A 10 A 11 12 12 A 6 A 7 8 9 A 10 A 11 12 12 A 13 14 15 A 16 17 8 9 9 A 10 A 11 12 13 14 15 A 16 17	 JAN PIPE, 6" OR LARGER, EXISTING SADDLE, BRASS, PIPE SIZE & TYPE x 2" FIF CORPORATION STOP, 2" MIPT x 2" FIPT, MUE ADAPTER, PVC, CL 200, SDR-21, 2" GASKET R. PIPE, 2" PVC, SDR-21, BELL & SPIGOT R. CONCRETE COLLAR, 24" SQUARE x 4" THICK SIZE AND FLOW DIRECTION VALVE BOX, C.I., 2-PIECE, 5.25" SHAFT, SCF GATE VALVE, 2", RESILIENT SEAT WEDGE, S > R. REBAR, #4, CUT & SHAPE AS NEEDED R. CONCRETE ANCHOR BLOCK, 1.5 C.F. MIN. (D ADAPTER, PVC, CL 200, SDR 21, 2" GASKET R. CONCRETE THRUST BLOCK, 1.5 C.F. MIN. (DO PIPE, 4" OR LESS, EXISTING TEE, 4" MJ x 2" FIPT TAP W/ 2" BRASS CO R. BLUE CARSONITE MARKER POST W/ "WATERL INSTA-TITE FITTING, 1" MIPT x 1" STAB FOR PIPE, 1" P.E., ASTM D-2239, SIDR 7, 200 II 	ELLER B-20046 x 2" MIPT , W/ #4 REBARS, E.W.O.C., INSCRIBED W/ LINE REW TYPE, TYLER 6850 SERIES W/ LID x S, NRS, RHT, 2" OPERATING NUT-MUELLER A2: DO NOT COVER JOINTS OR BOLTS) x 2" FIPT O NOT COVER JOINTS OR BOLTS) DRP. STOP (FIG. 2–1) OR 2" TEE, PVC, CL 200 INE WARNING" DECAL SIDR 7 P.E. PIPE, MUELLER H15426		DRAWN: CHECKED: CHECKED: APPROVED	□ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □
LINE NO. STATION NO. TION SHALL BE FOR 2 HOURS. MED: LAB SAMPLE NO.: INITIALED (NTUA): SHEET 1 OF NAVAJO TRIBAL UTULITY AUTHORITY 2" MAINLINE TAP FOR SERVICE IN EXCESS OF 200" PLIETANCE AL		2. DECAL 3. ASSEM	= AS REQUIRED . TO BE AFFIXED TO ITEM NO. 15 MBLE AND INSTALL AS ONE UNIT & METER SERIAL NUMBER:	RECOMMENDED INSTALLATION 4" MJ × 2" FIPT TAP TE	4" TRANSITION E DRESSER COUP. FOR AC/DI PIPE 0 R PVC REPAIR COUPLING		JA DETAILS - 1



Observer Brit Support Brit Marge Marge Static Marge Marge M	ITEM 1 2 3 4	- 1 1 1	MATE DES PIPE, 6" OR LARGER, EXISTING SADDLE, BRASS, PIPE SIZE & TYPE x 2" FIPT T CORPORATION STOP, 2" MIPT x 2" FIPT, MUELLE ADAPTER, PVC, CL 200, SDR-21, 2" GASKET x
	5	A.R. A.R.	PIPE, 2" PVC, SDR-21, BELL & SPIGOT CONCRETE COLLAR, 24" SQUARE × 4" THICK, W
		7.1.	SIZE AND FLOW DIRECTION
	7	1	VALVE BOX, C.I., 2-PIECE, 5.25" SHAFT, SCREW
NAVAJO FOR EXC	8	1	GATE VALVE, 2", RESILIENT SEAT WEDGE, S x S,
	9	A.R.	REBAR, #4, CUT & SHAPE AS NEEDED
	10	A.R.	CONCRETE ANCHOR BLOCK, 1.5 C.F. MIN. (DO I
	11	1	ADAPTER, PVC, CL 200, SDR 21, 2" GASKET x
	12	A.R.	CONCRETE THRUST BLOCK, 1.5 C.F. MIN. (DO N PIPE, 4" OR LESS, EXISTING
тела сез 1 200, л	13	1	TEE, 4" MJ × 2" FIPT TAP W/ 2" BRASS CORP
	15	A.R.	BLUE CARSONITE MARKER POST W/ "WATERLINE
	16	1	INSTA-TITE FITTING, 1" MIPT × 1" STAB FOR SIL
ANCH,	17	1	PIPE, 1" P.E., ASTM D-2239, SIDR 7, 200 PSI,
REVISIONS No. Date Revised Brief Revised LH LH LH LH LH LH LH LH LH LH	2. DE 3. AS	R. = AS ECAL TO SEMBLE	REQUIRED BE AFFIXED TO ITEM NO. 15 AND INSTALL AS ONE UNIT TER SERIAL NUMBER:

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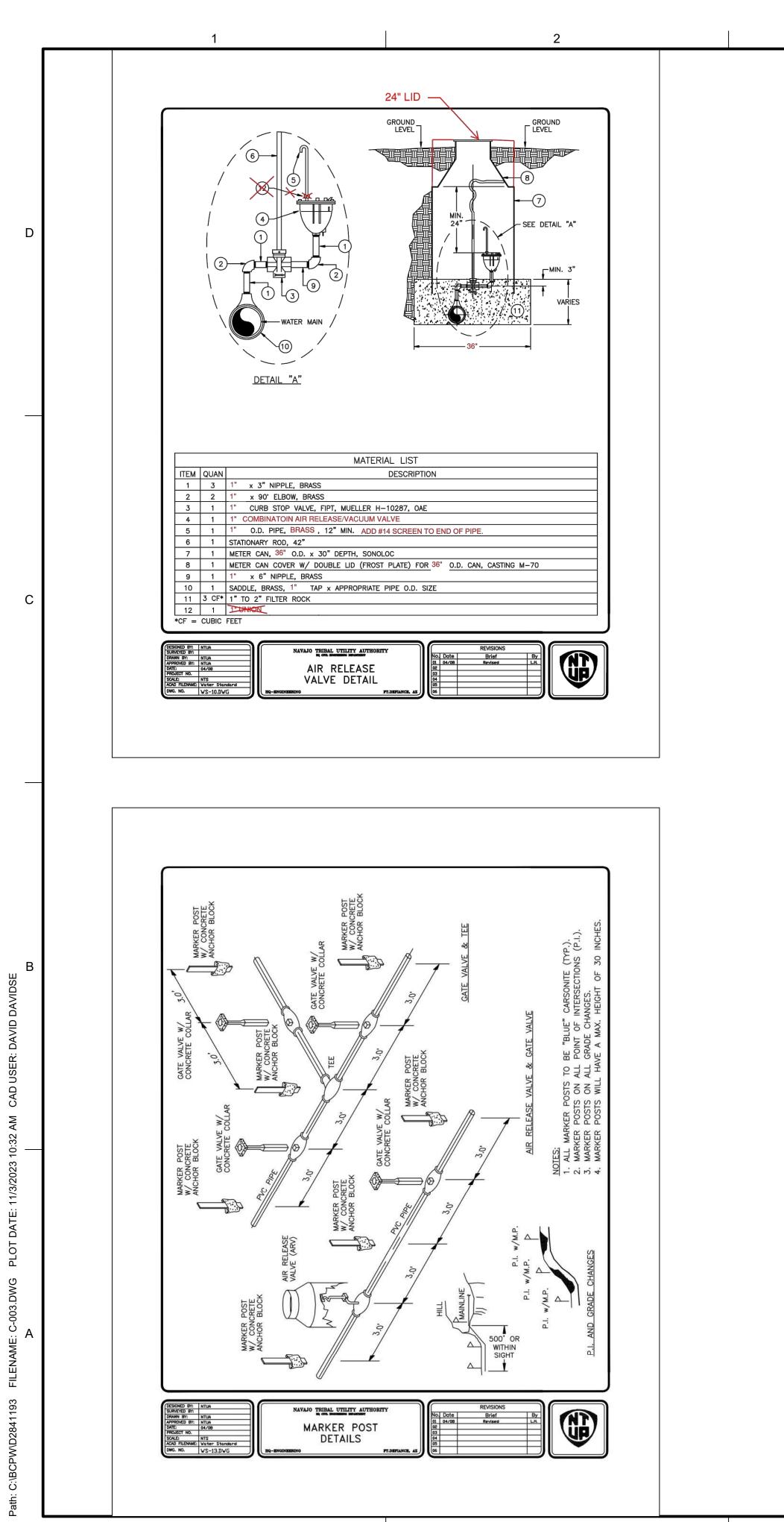
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C-002

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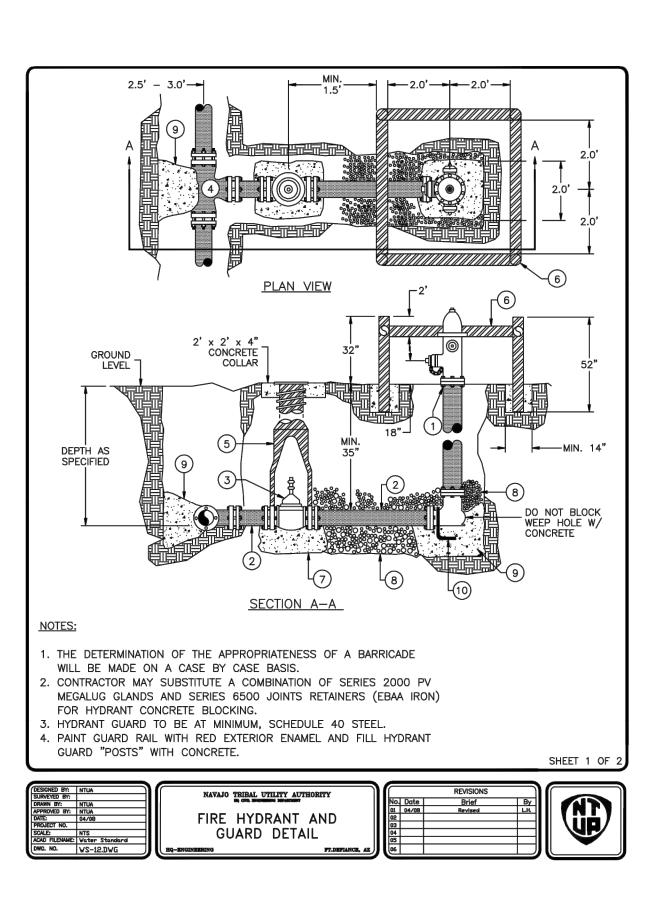
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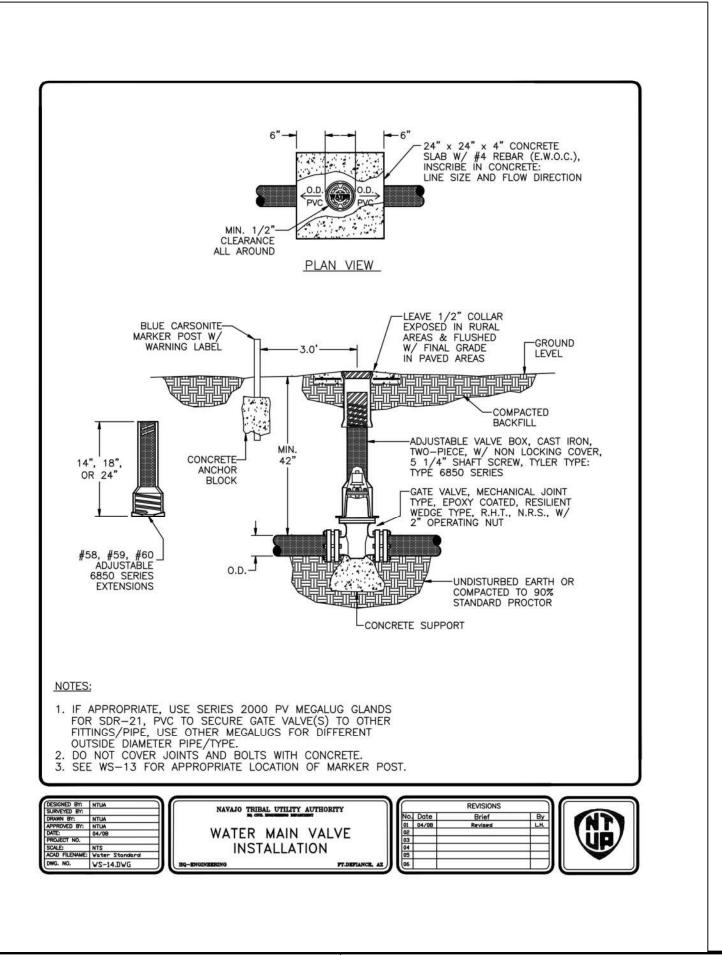
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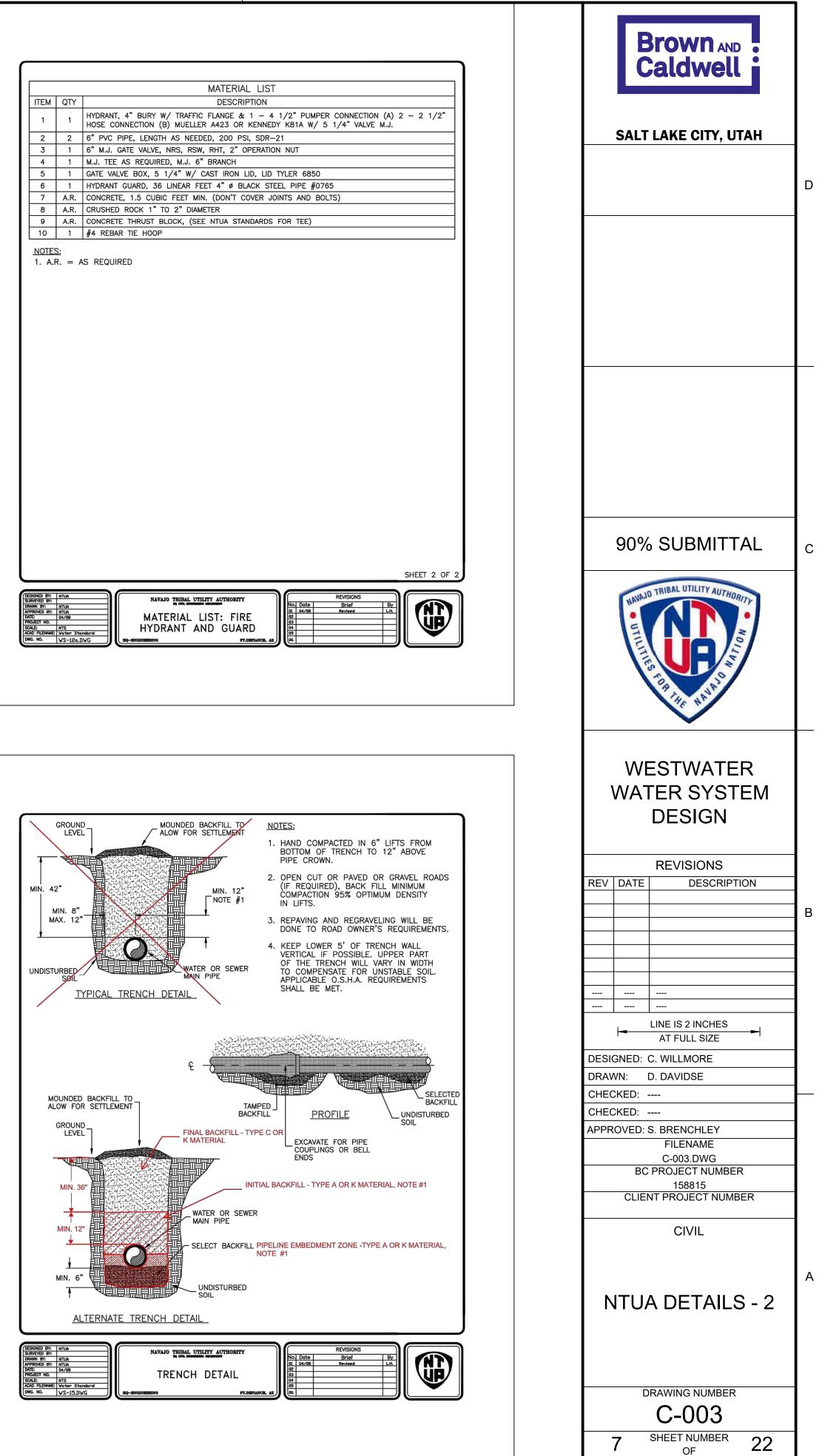


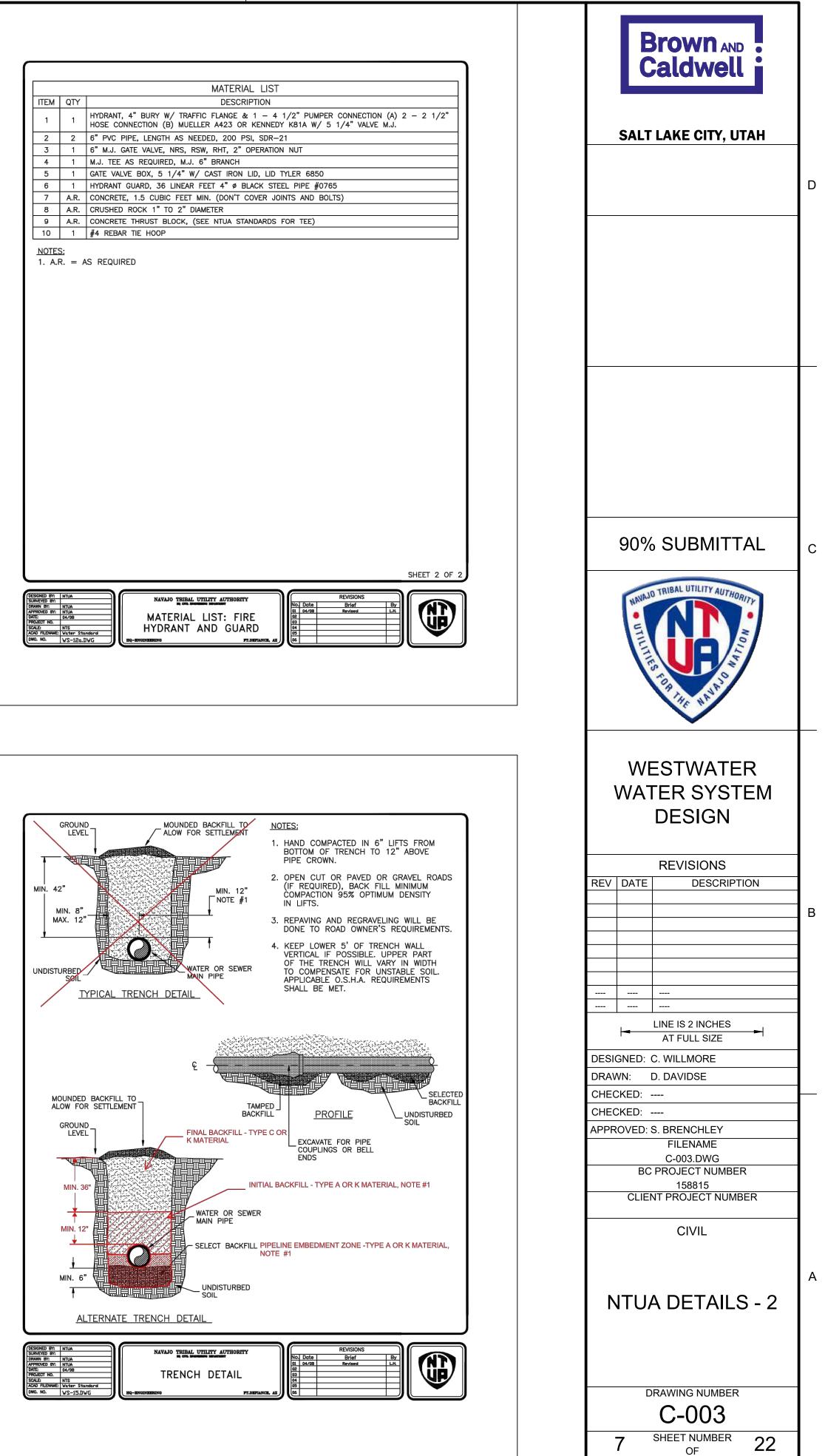




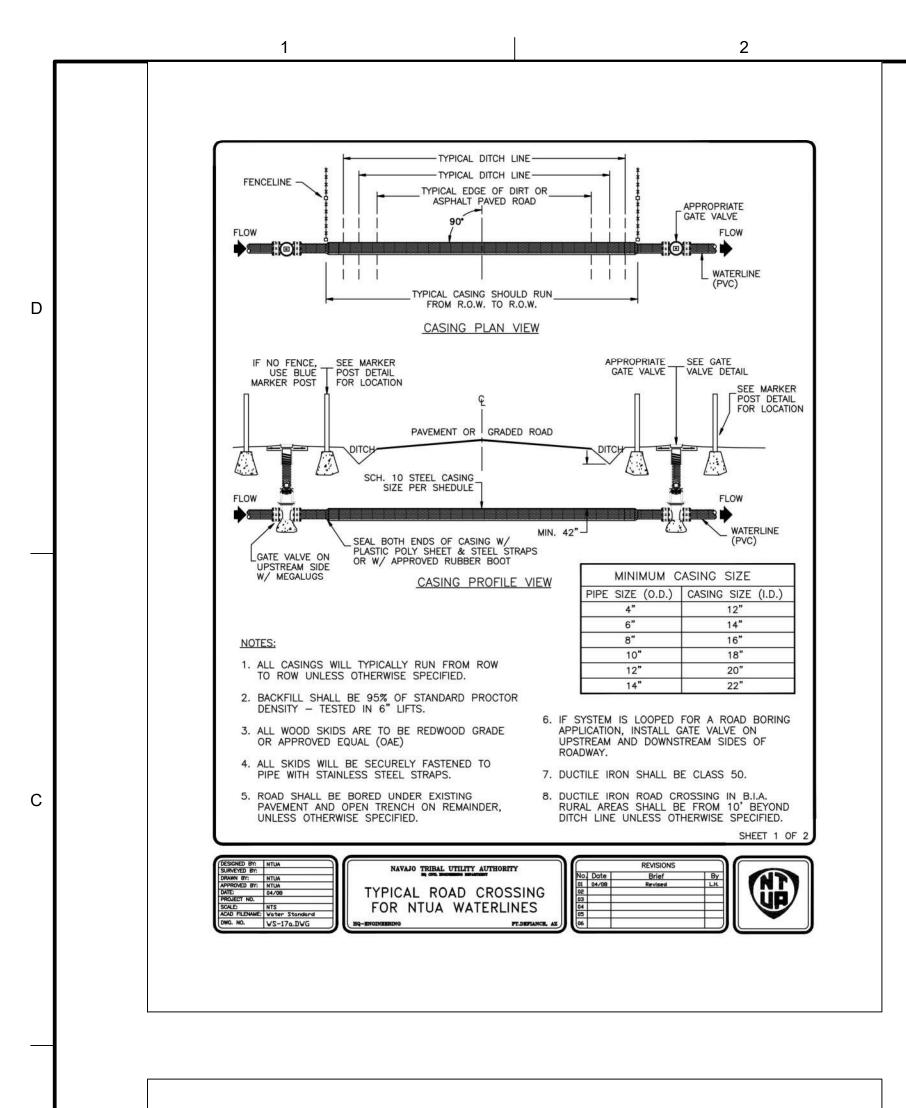


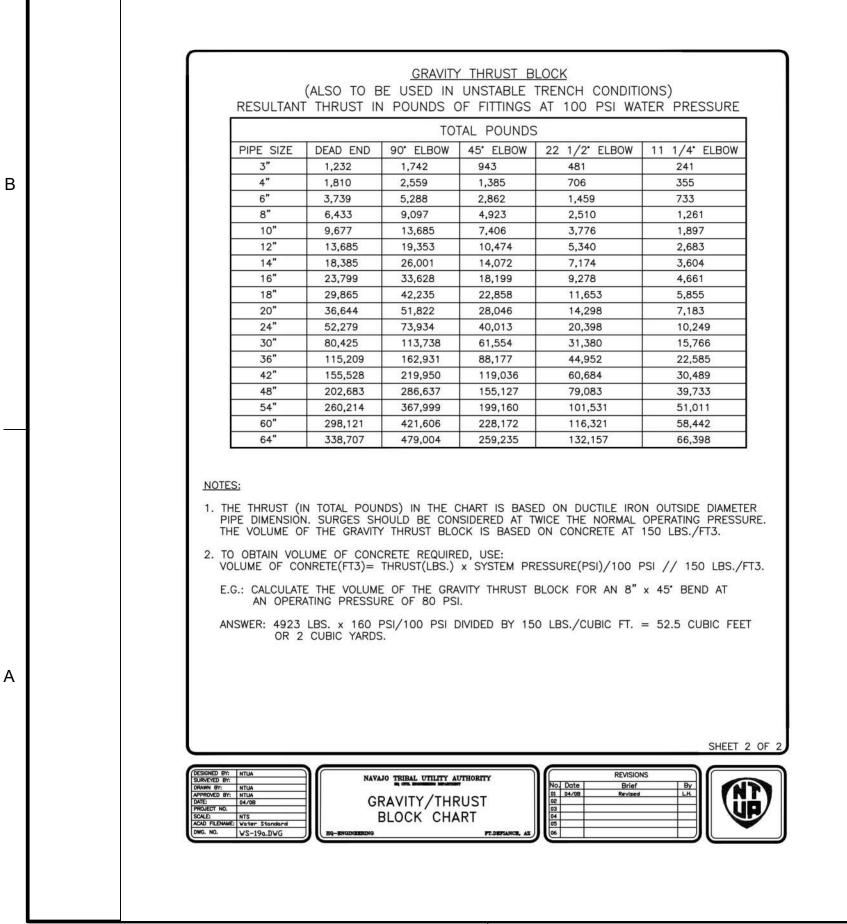




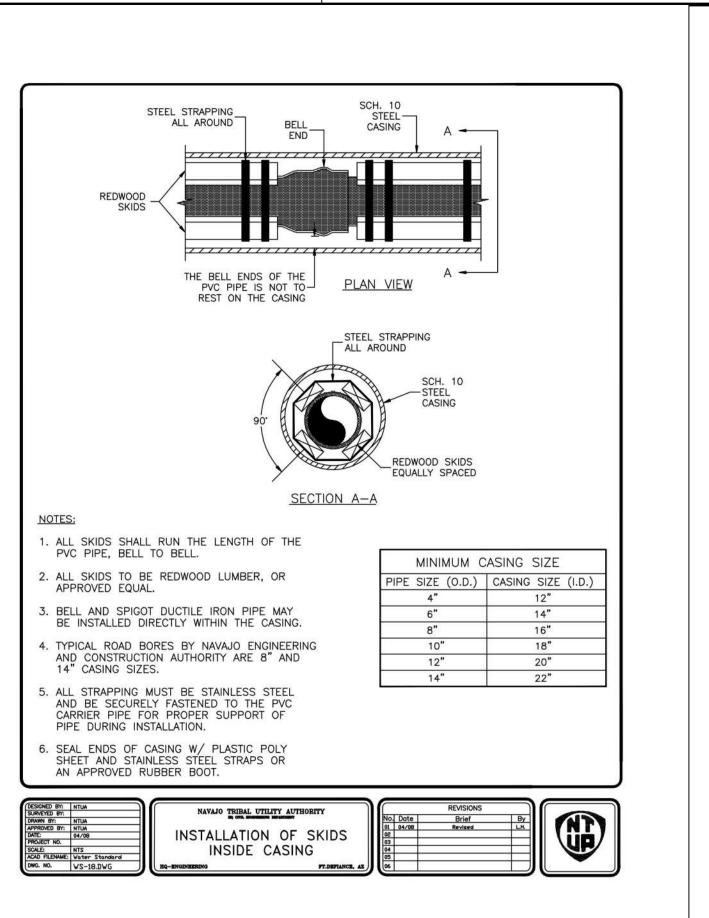


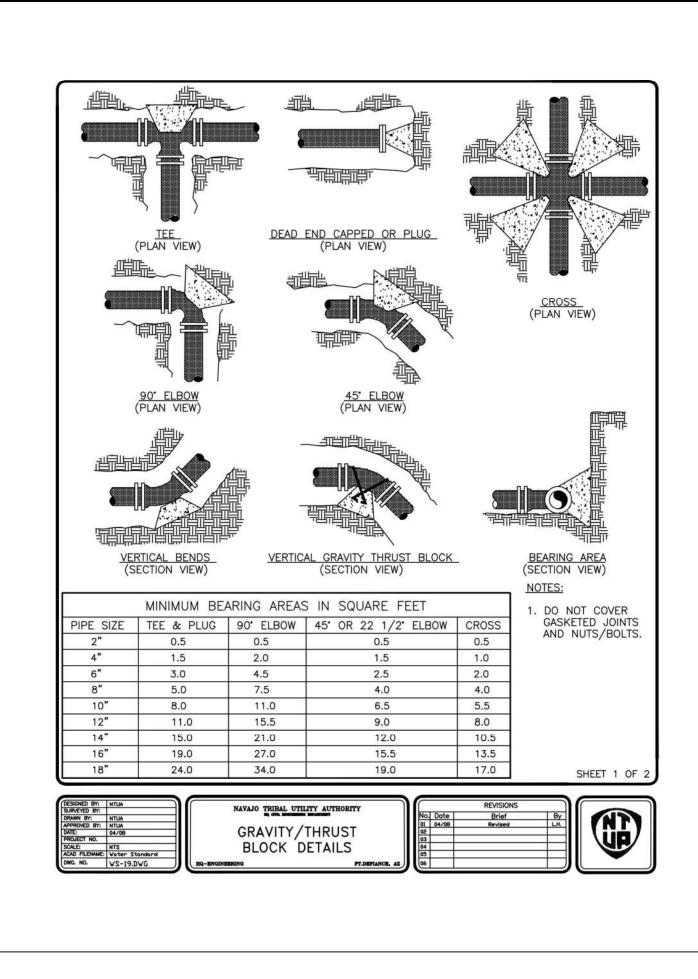
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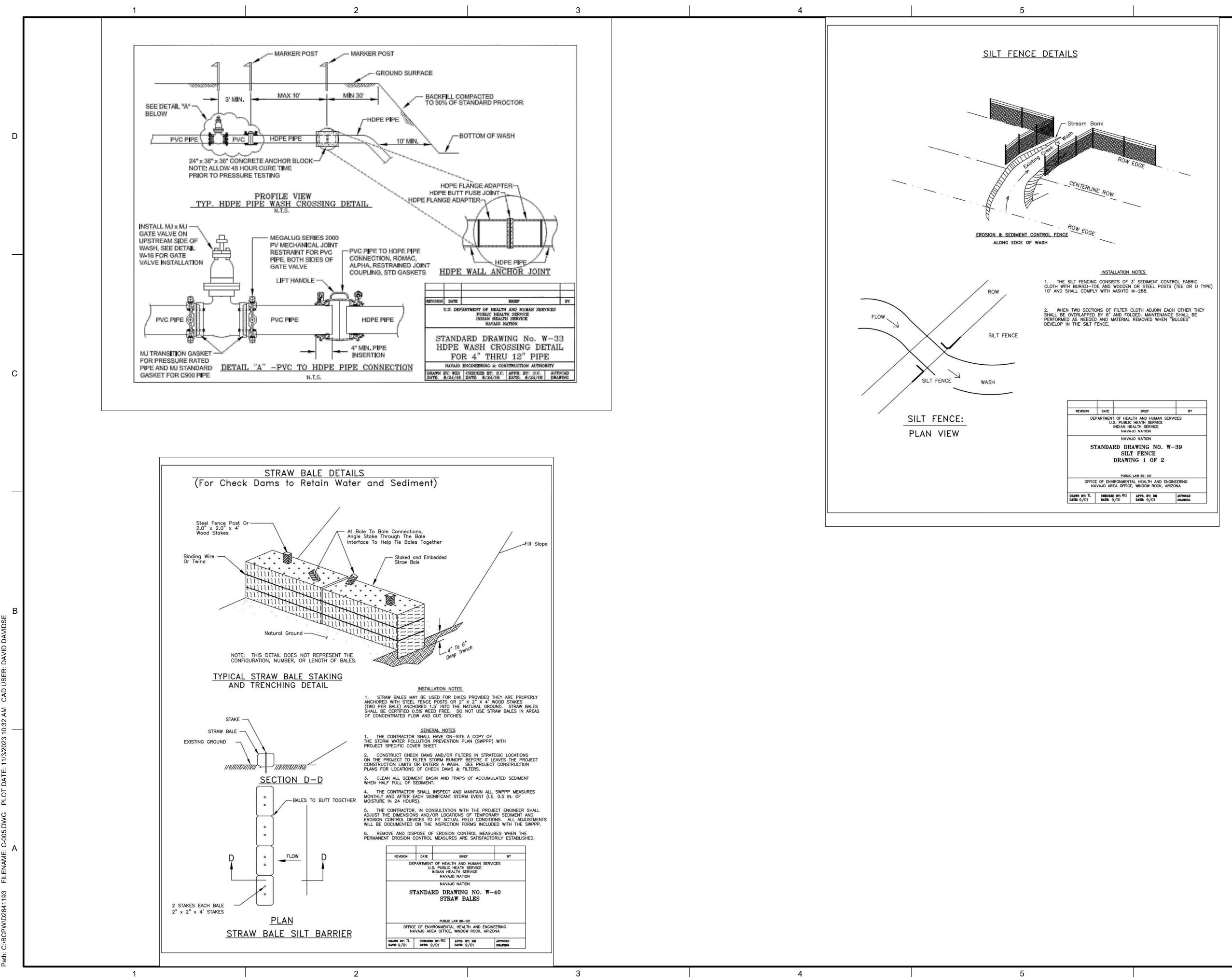


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REV		ESTWATER ER SYSTEM DESIGN REVISIONS DESCRIPTION 	В
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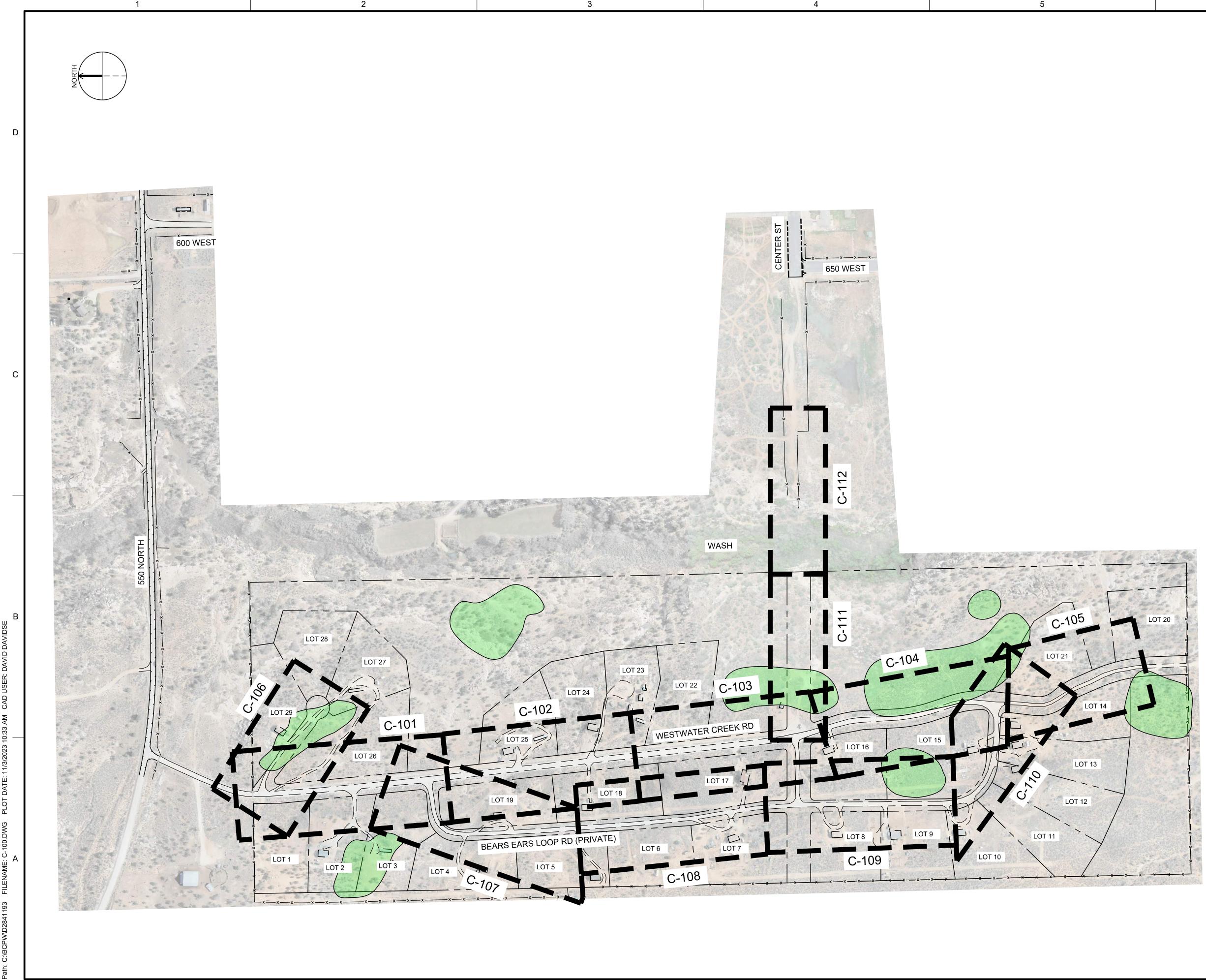
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		Brown AND Caldwell	
	SALT	LAKE CITY, UT	D
		TRIBAL UTILITY AUTHOR	
		ESTWATE FER SYST DESIGN	
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DRAV CHEC	VN: CKED:	LINE IS 2 INCHES AT FULL SIZE C. WILLMORE D. DAVIDSE	- -
	CKED:	 S. BRENCHLEY FILENAME	
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Brown AND Caldwell	•

SALT LAKE CITY, UTAH

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

90% SUBMITTAL

WESTWATER WATER SYSTEM DESIGN

REVISIONS DESCRIPTION

REV DATE

-- --- ------ ---- ----LINE IS 2 INCHES ----AT FULL SIZE

DESIGNED: C. WILLMORE DRAWN: D. DAVIDSE CHECKED: ----CHECKED: ----APPROVED: S. BRENCHLEY FILENAME C-100.DWG

BC PROJECT NUMBER 158815 CLIENT PROJECT NUMBER

CIVIL

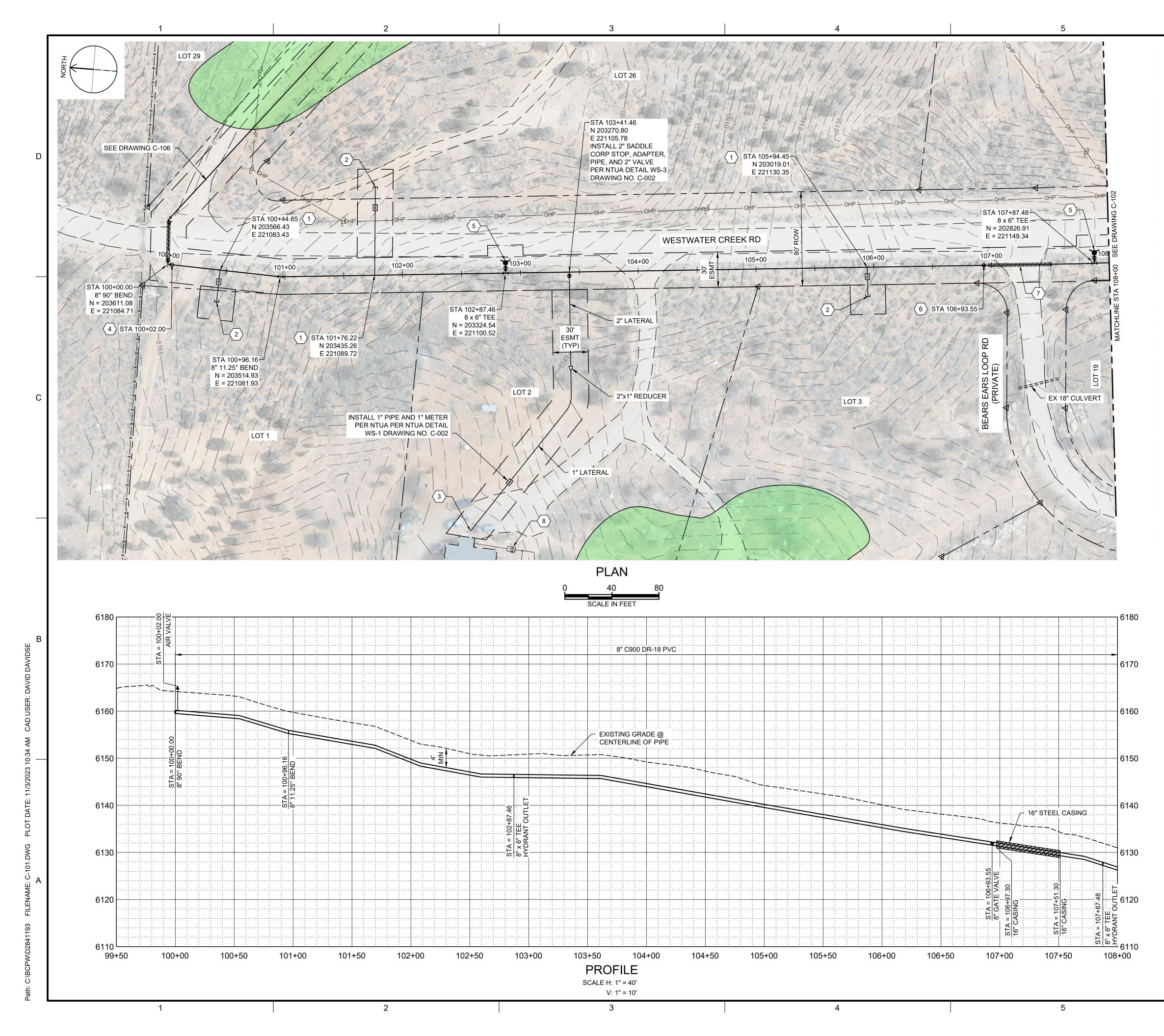
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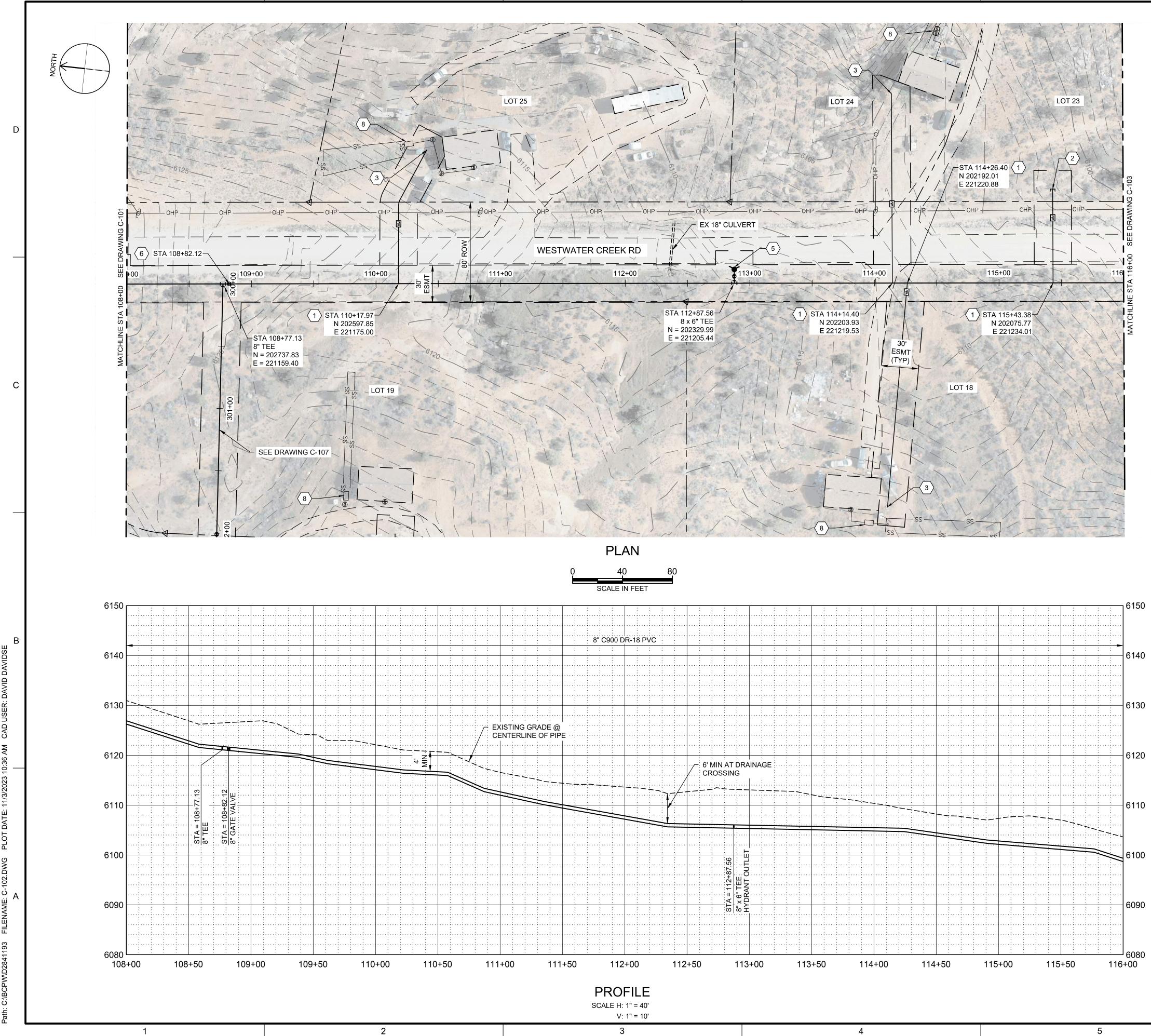
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SCALE IN FEET

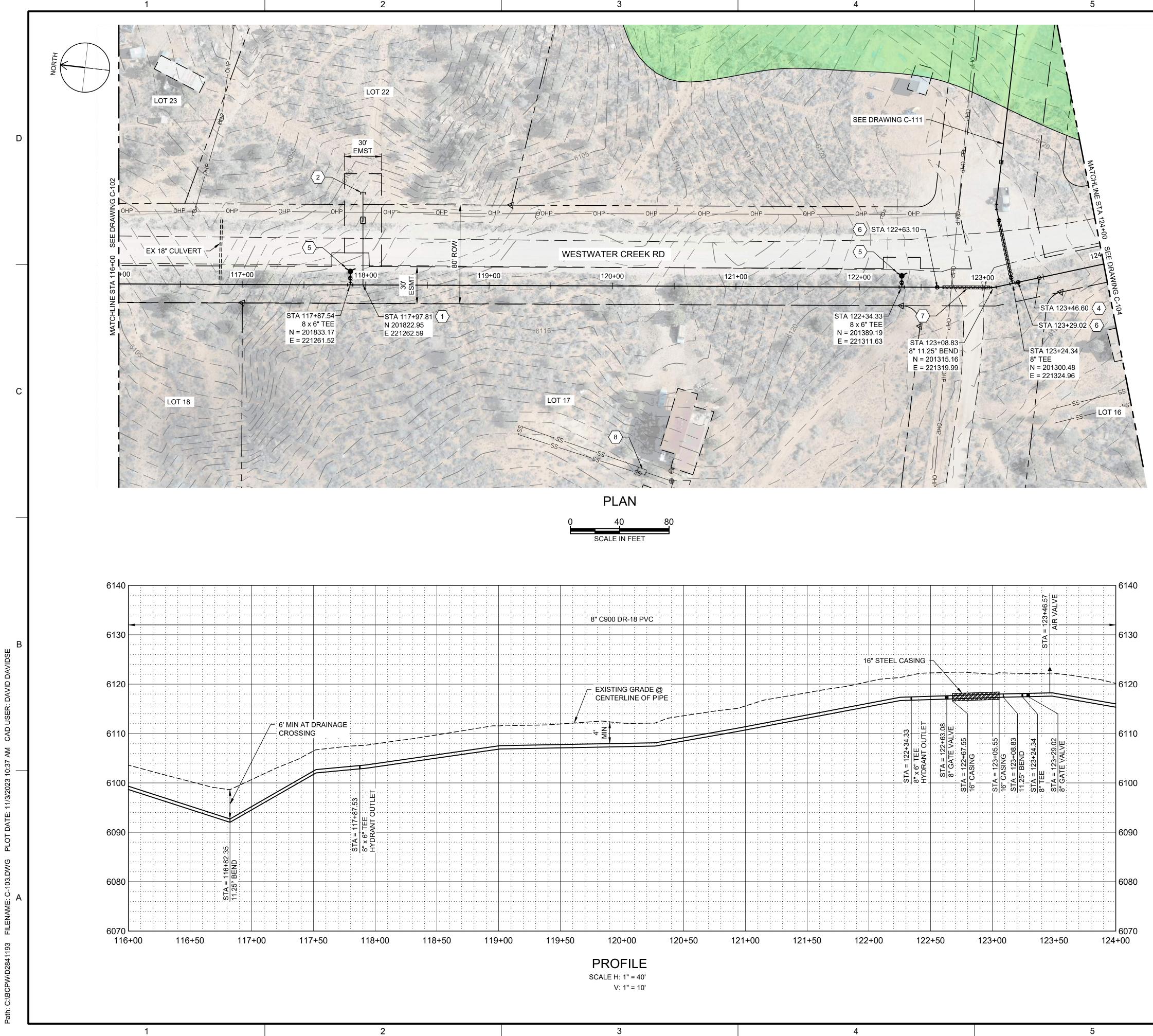
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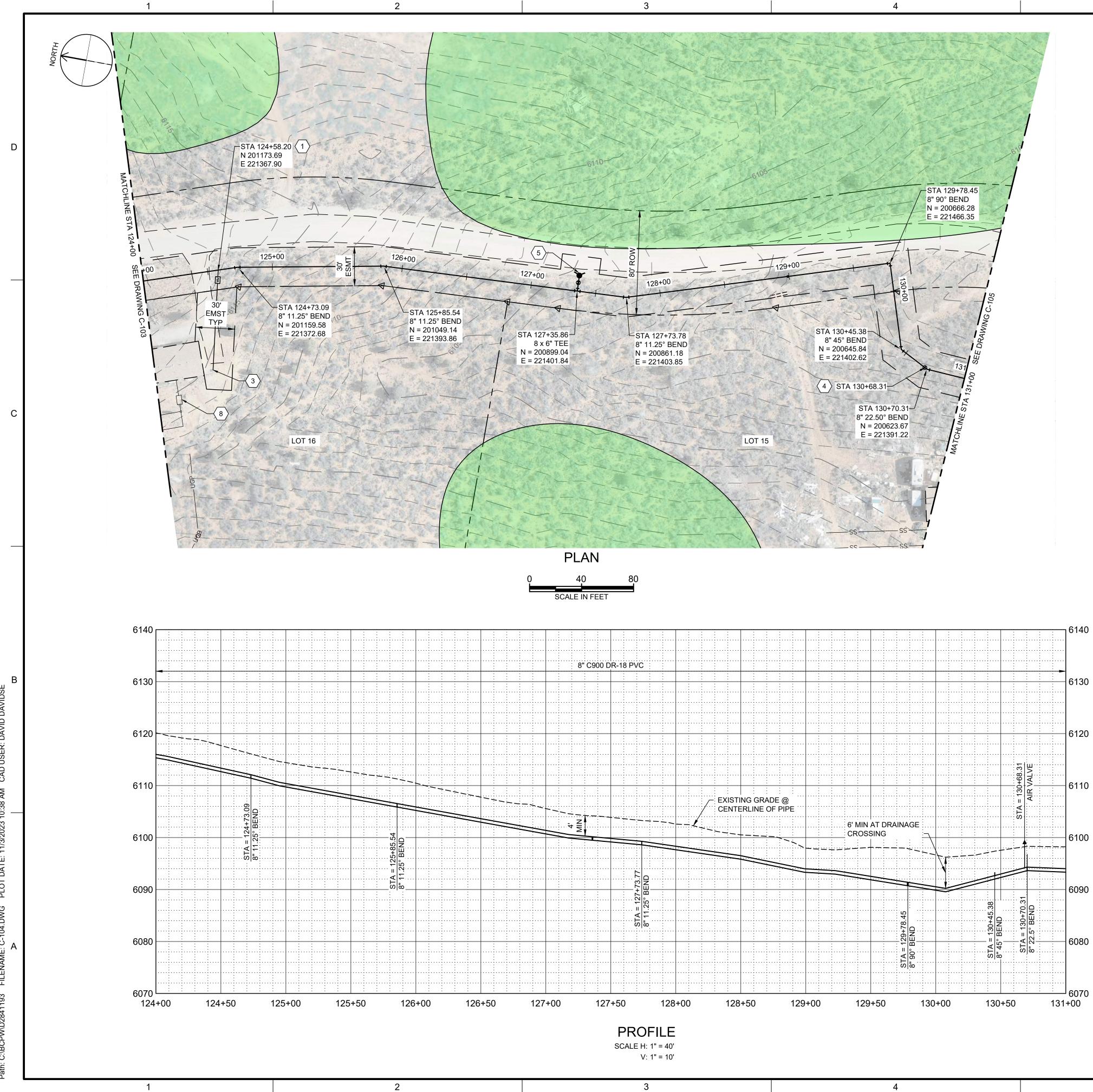
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GENERAL NOTES	
 ALL LOCATIONS OF UTILITIES SHOWN ARE APPROXIMATE, CONTRACTOR TO FIELD VERIFY AND POTHOLE AS REQUIRED TO COMPLETE THE WORK. 	Brown AND Caldwell
2. CONTRACTOR TO FIELD VERIFY PHYSICAL LOCATION, ELEVATIONS AND INVERTS. ELEVATIONS ARE BASED 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. 	SALT LAKE CITY, UTAH
 CONTRACTOR TO INSTALL PIPE IN TRENCH PER NTUA STD DWG WS-15 DRAWING C-003. 	THIS DRAWING IS NOT VALID
5. DEFLECT PIPE IN ACCORDANCE WITH THE MANUFACTURER'S RECOMMENDATIONS AS NECESSARY.	FOR CONSTRUCTION PURPOSES UNLESS IT BEARS
 ALL PIPING TO HAVE MJ X MJ FITTINGS UNLESS NOTED OR OTHERWISE SHOWN IN DETAILS. 	THE SEAL OF A DULY REGISTERED PROFESSIONAL
7. THE SEPTIC TANKS AND ASSOCIATED DRAIN FIELDS SHOWN ON THE DRAWINGS ARE NOT AS-BUILT LOCATIONS. THESE LOCATIONS ARE SHOWN BASED ON THE BEST AVAILABLE INFORMATION FOR EACH LOT. MOST SEPTIC TANKS ON SITE ARE BURIED AND NOT ABLE TO BE LOCATED BY SURVEY. LOCATION OF SEPTIC FIELDS AND SEPTIC TANKS ARE BASED ON PDF DRAWINGS FROM THE SOUTHEASTERN UTAH DISTRICT HEALTH DEPARTMENT, NAIHS PDF DRAWINGS, FIELD SITE VISITS, AND INFORMATION PROVIDED BY EACH HOME OWNER.	
 INSTALL WATER LATERAL PER DETAIL WS-1 DRAWING NO. C-002 WITH PRV. 	90% SUBMITTAL
2. PLUG AND STUB WATER LATERAL FOR FUTURE CONNECTION.	NAVAJO TRIBAL UTILITY AUTHORITY
3. DETACH EXISTING PIPE FROM EXISTING CISTERN. REMOVE AND PROPERLY DISPOSE OF EXISTING CISTERN. CONNECT NEW LATERAL TO EXISTING PIPE. PROVIDE AND INSTALL FILL MATERIAL FOR REMOVED CISTERN, COMPACT TO 95% COMPACTION REQUIREMENT.	NAVAJO NORITE
 INSTALL CAV VALVE PER DETAIL WS-10 DRAWING NO. C-003. 	TRA NUMBER
 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. 	WESTWATER
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. CONTRACTOR TO PROVIDE AN ENCROACHMENT PERMIT AND TRAFFIC CONTROL PLAN TO SAN JUAN COUNTY.	WATER SYSTEM DESIGN
8. APPROXIMATE LOCATION OF SEPTIC SYSTEM.	REVISIONS REV DATE DESCRIPTION
LEGEND	E
ARCHEOLOGICAL SITE	
	DESIGNED: C. WILLMORE DRAWN: D. DAVIDSE
	CHECKED:
	APPROVED: S. BRENCHLEY FILENAME
	C-101.dwg BC PROJECT NUMBER
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	PLAN AND PROFILE STA 100+00 TO STA
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Blue Stakes OF UTAH UTILITY NOTIFICATION CENTER, INC. www.bluestakes.org	C-101
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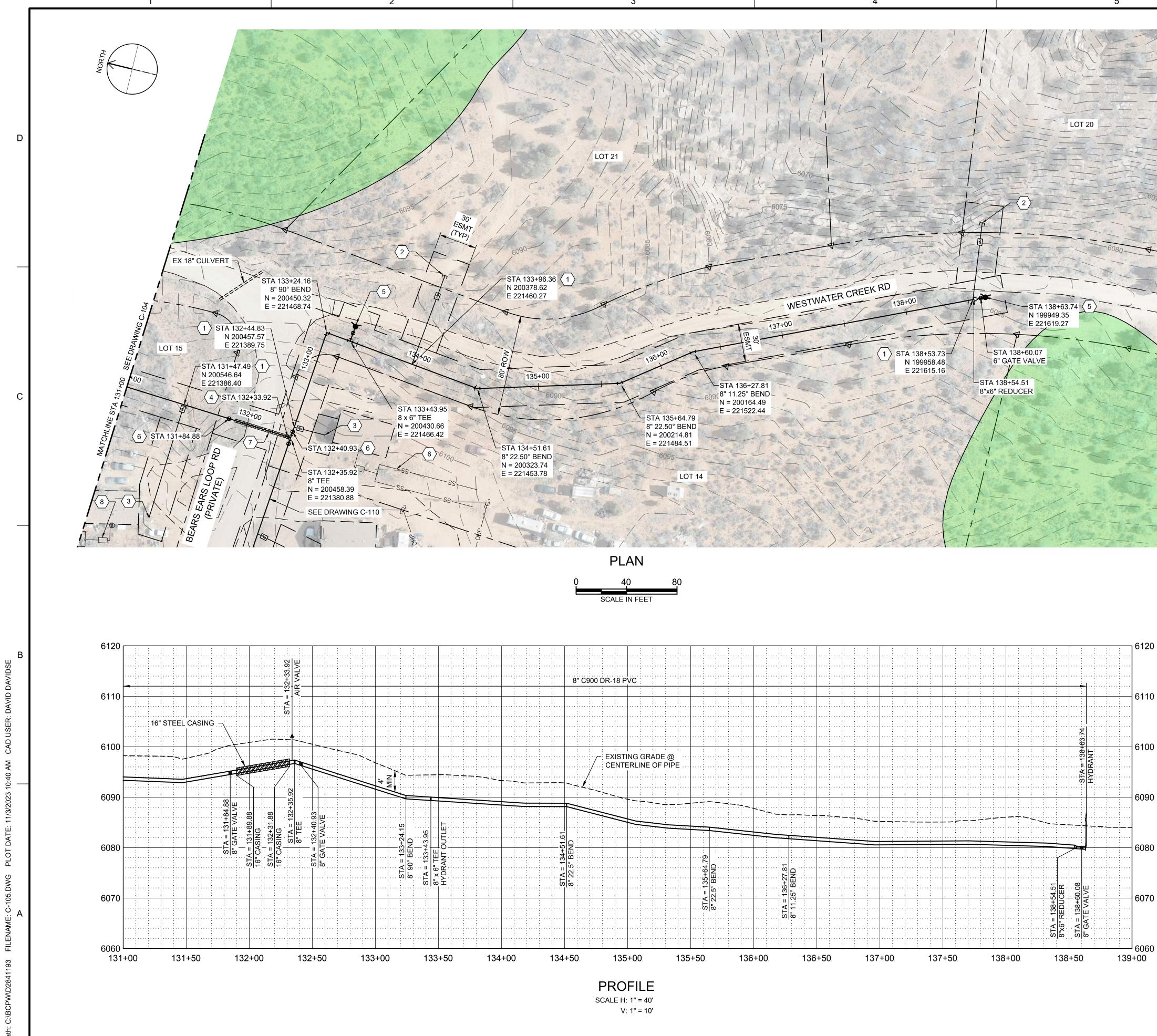
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	2. PLUG AND STUB WATER LATERAL FOR FUTURE CONNECTION.	NAVAJO TRIBAL UTILITY AUTHORITY	
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	5. INSTALL FIRE HYDRANT AND 6" VALVE PER WS-12 DRAWING NO. C-003.	TER HALLING	
	 INSTALL 8" GATE VALVE PER DETAIL WS-14 DRAWING NO. C-003. 		
	8. APPROXIMATE LOCATION OF SEPTIC SYSTEM.		
	LEGEND	WATER SYSTEM DESIGN	
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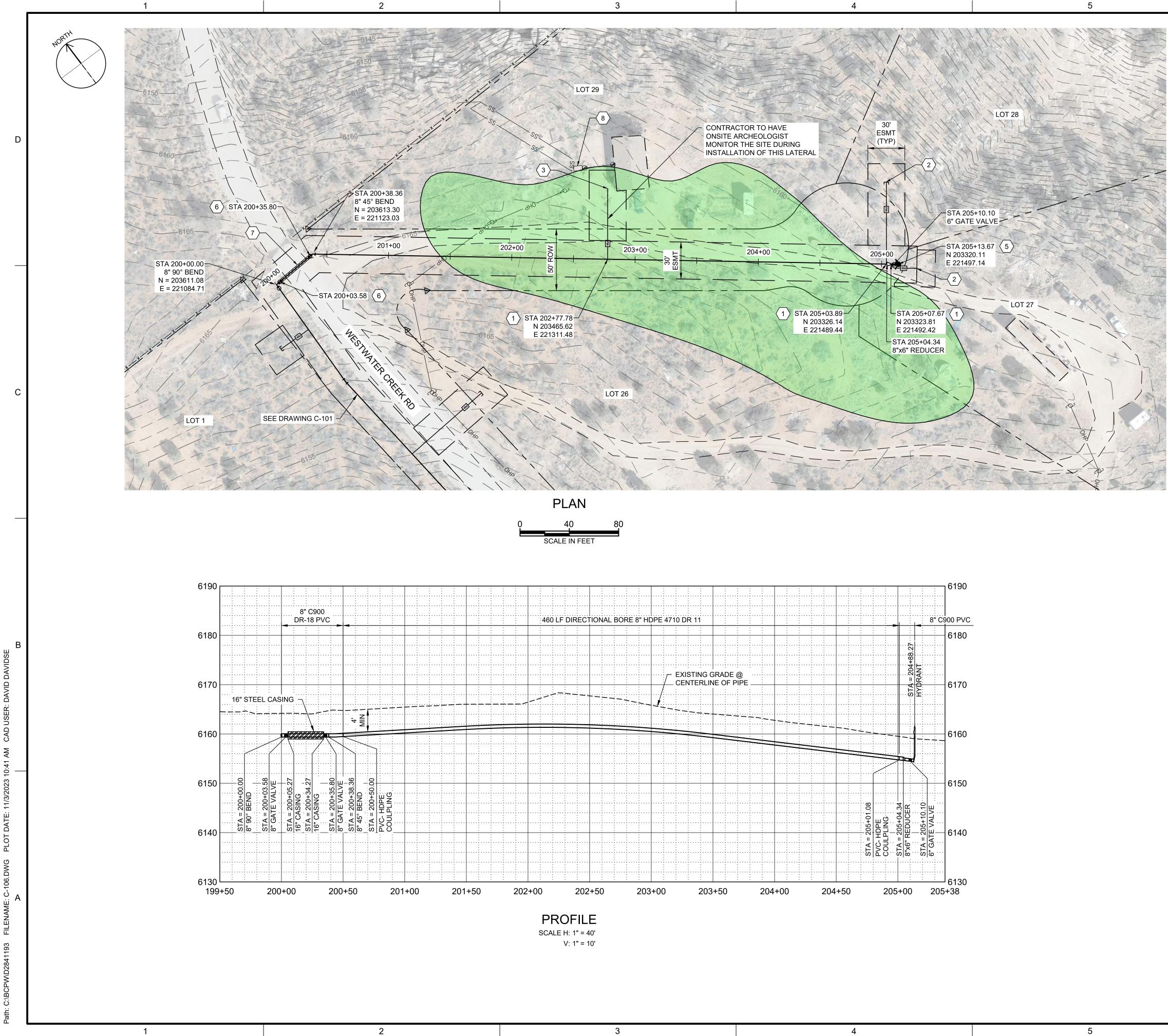
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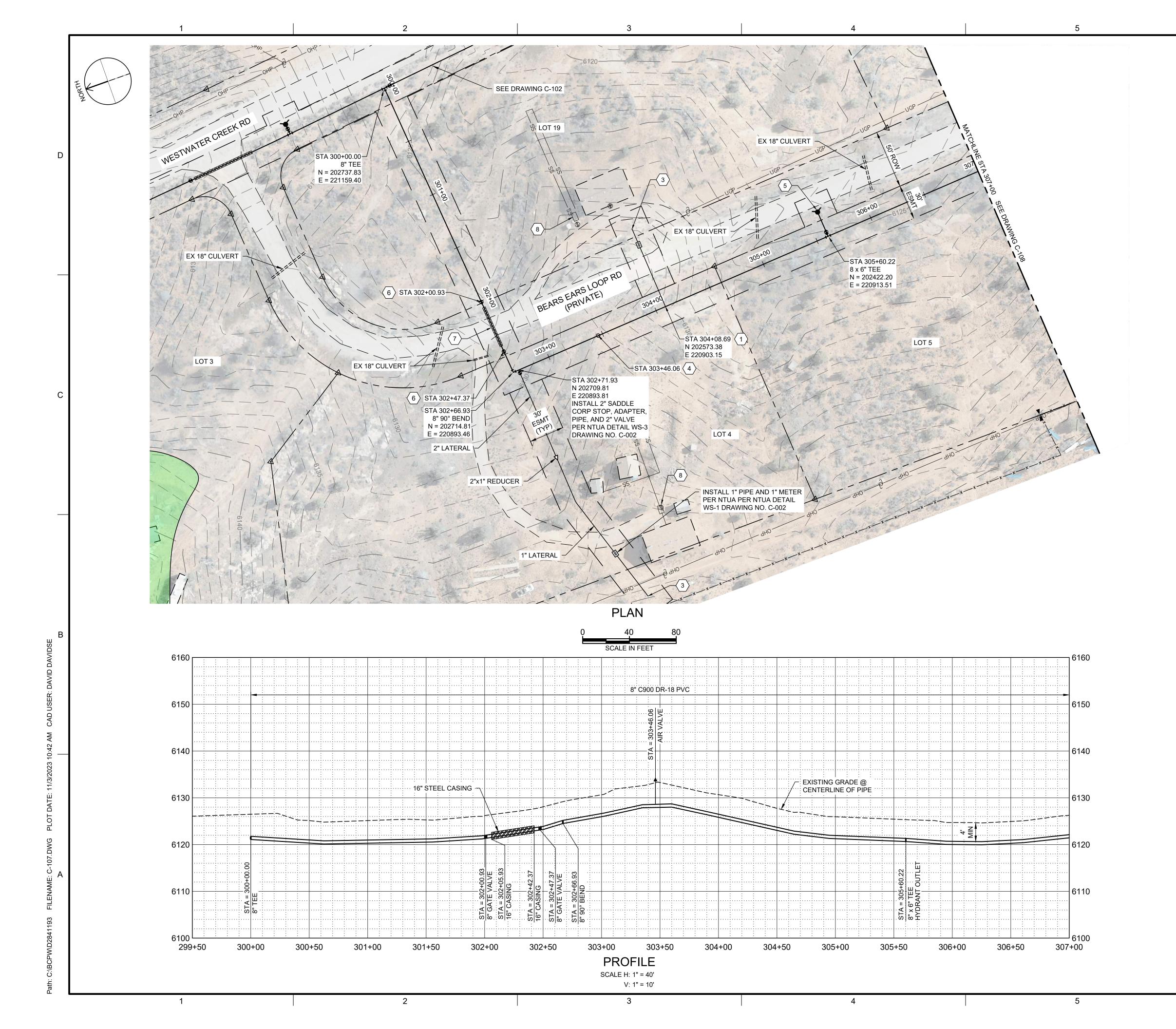
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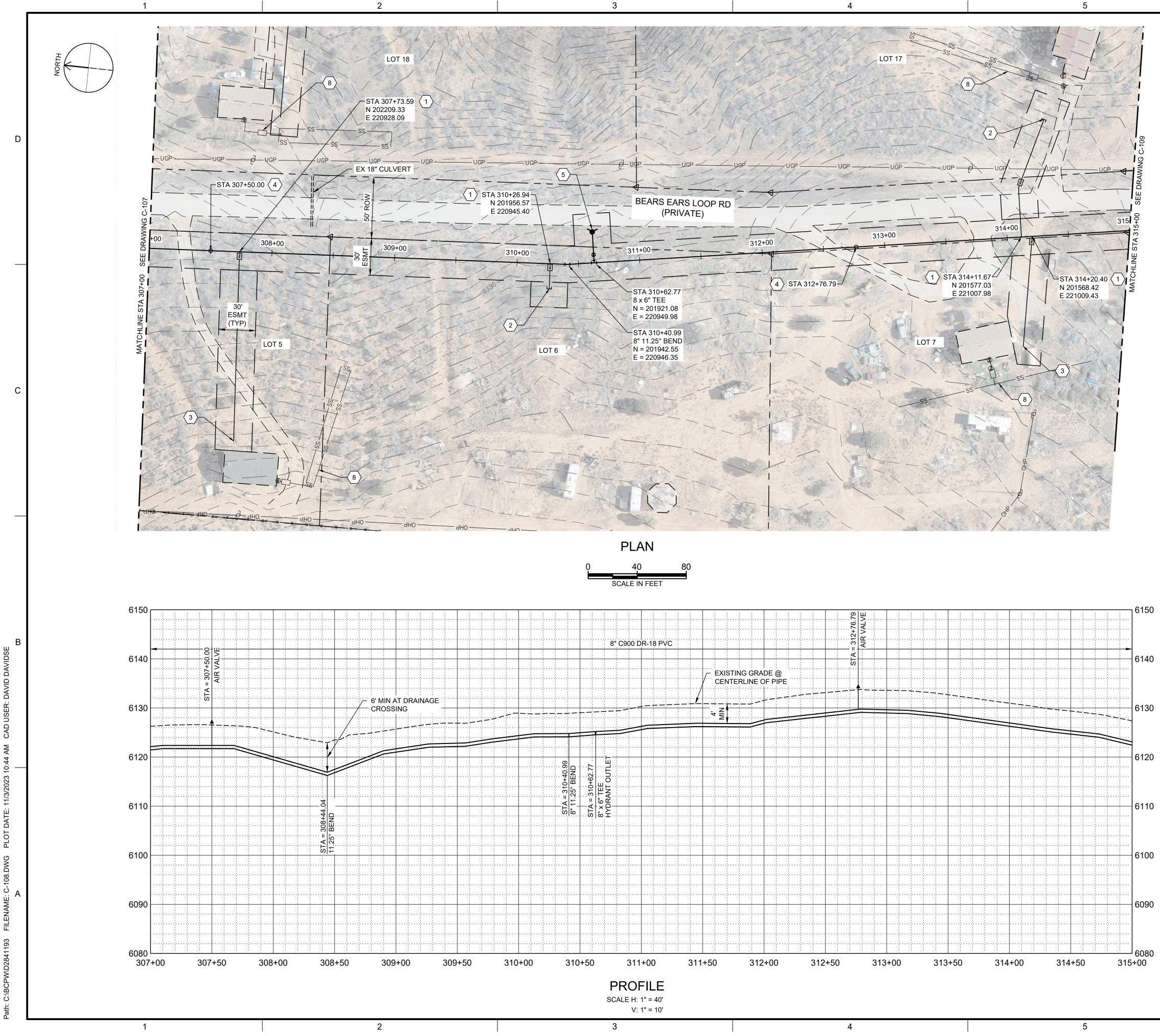
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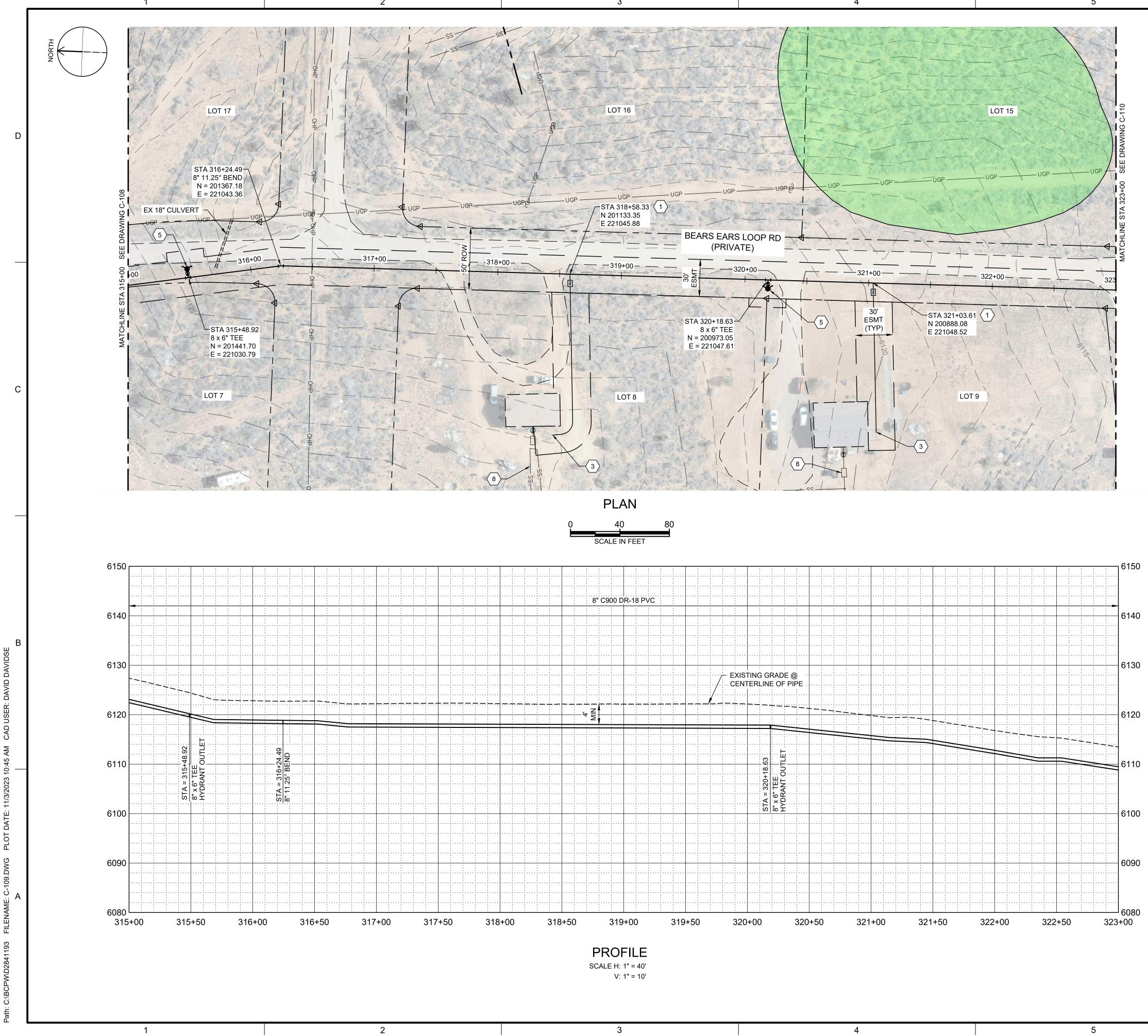
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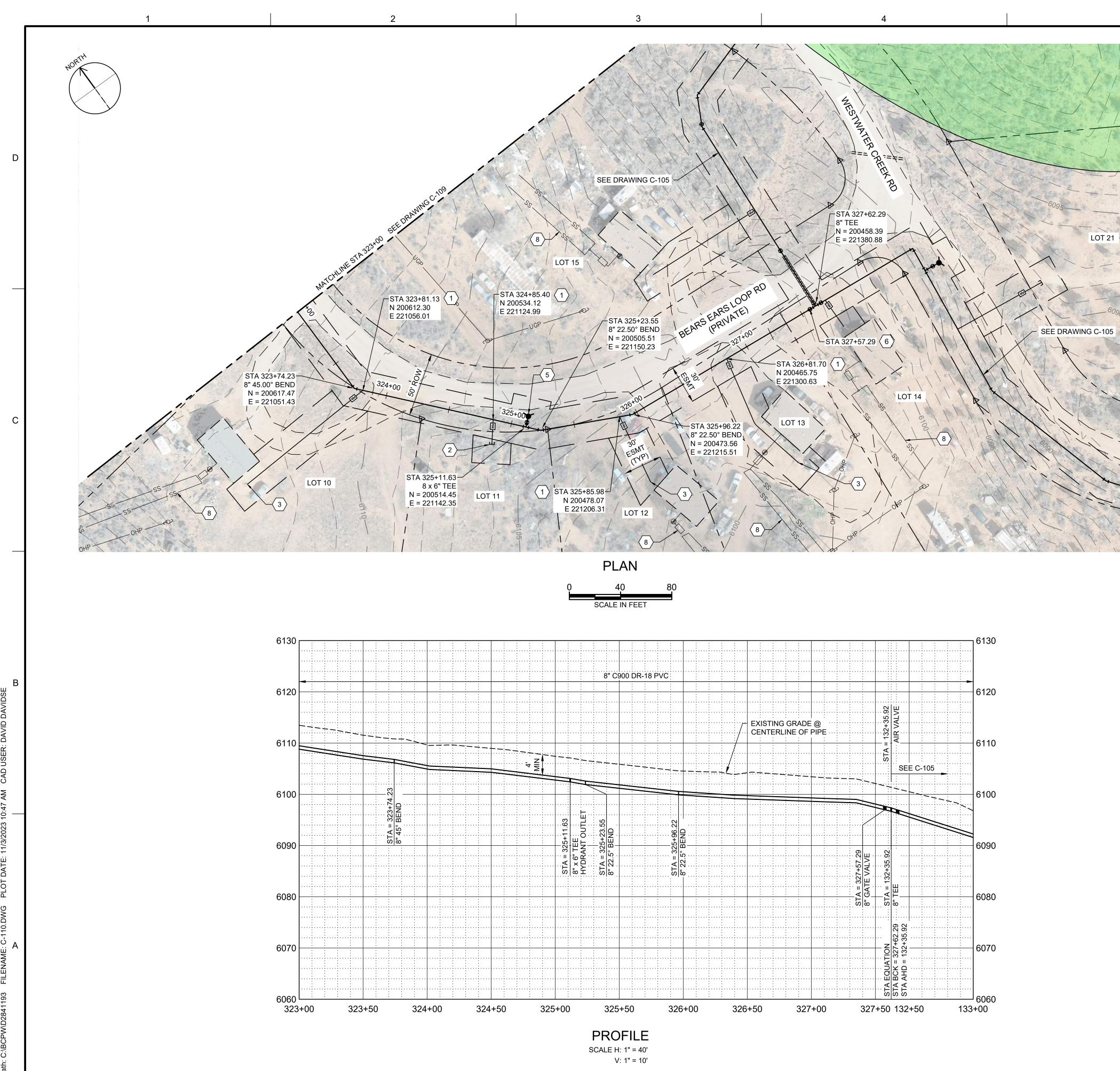
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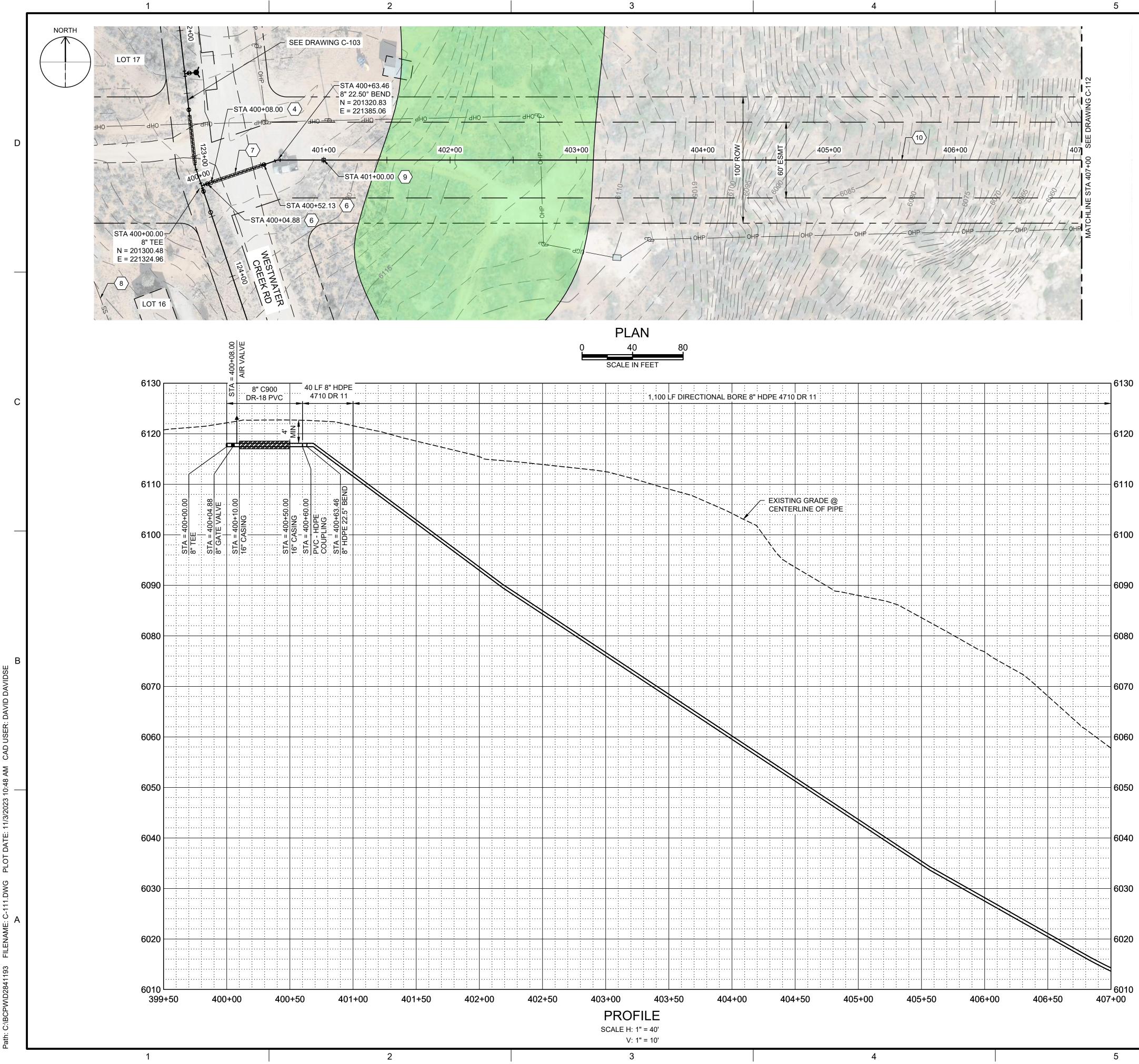
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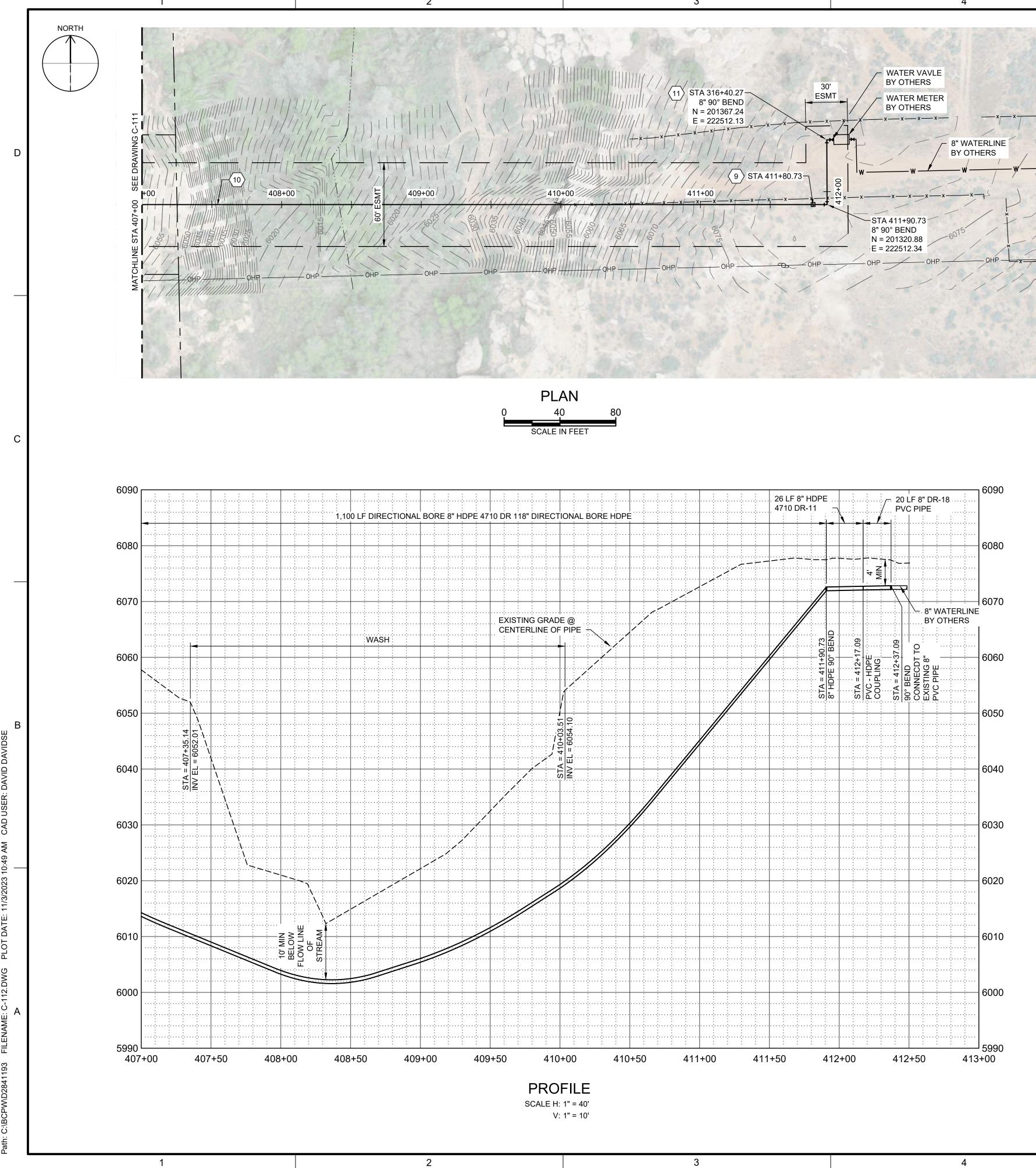


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 CONTRACTOR TO PROVIDE THRUST BLOCKS AT ALL ELBOWS, TEES, CROSSES PER NTUA STD DWG WS-19 DRAWING NO. C-004. MECHANICAL JOINT RESTRAINTS CAN BE UTILIZED IN PLACE OF THRUST BLOCKS. EBA IRON MEGALUG SERIES 2000 PV FOR FITTINGS AND SERIES 2500 FOR PIPE JOINTS - INSTALL PER MANUFACTURE'S RECOMMENDATIONS. 				
 CONTRACTOR TO INSTALL PIPE IN TRENCH PER NTUA STD DWG WS-15 DRAWING C-003. 	THIS DRAWING IS NOT VALID			
5. DEFLECT PIPE IN ACCORDANCE WITH THE MANUFACTURER'S RECOMMENDATIONS AS NECESSARY.	FOR CONSTRUCTION PURPOSES UNLESS IT BEARS THE SEAL OF A DULY			
6. ALL PIPING TO HAVE MJ X MJ FITTINGS UNLESS NOTED OR OTHERWISE SHOWN IN DETAILS.	REGISTERED PROFESSIONAL			
7. THE SEPTIC TANKS AND ASSOCIATED DRAIN FIELDS SHOWN ON THE DRAWINGS ARE NOT AS-BUILT LOCATIONS. THESE LOCATIONS ARE SHOWN BASED ON THE BEST AVAILABLE INFORMATION FOR EACH LOT. MOST SEPTIC TANKS ON SITE ARE BURIED AND NOT ABLE TO BE LOCATED BY SURVEY. LOCATION OF SEPTIC FIELDS AND SEPTIC TANKS ARE BASED ON PDF DRAWINGS FROM THE SOUTHEASTERN UTAH DISTRICT HEALTH DEPARTMENT, NAIHS PDF DRAWINGS, FIELD SITE VISITS, AND INFORMATION PROVIDED BY EACH HOME OWNER.				
 INSTALL WATER LATERAL PER DETAIL WS-1 DRAWING NO. C-002 WITH PRV. 	90% SUBMITTAL	С		
2. PLUG AND STUB WATER LATERAL FOR FUTURE CONNECTION.	TRIBAL UTILITY AUX			
3. DETACH EXISTING PIPE FROM EXISTING CISTERN. REMOVE AND PROPERLY DISPOSE OF EXISTING CISTERN. CONNECT NEW LATERAL TO EXISTING PIPE. PROVIDE AND INSTALL FILL MATERIAL FOR REMOVED CISTERN, COMPACT TO 95% COMPACTION REQUIREMENT.	UNUALD TRIBAL UTILITY AUTHORITY			
5. 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. 				
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. CONTRACTOR TO PROVIDE AN ENCROACHMENT PERMIT AND TRAFFIC CONTROL PLAN TO SAN JUAN COUNTY.	WESTWATER WATER SYSTEM DESIGN			
8. APPROXIMATE LOCATION OF SEPTIC SYSTEM.				
LEGEND	REVISIONS REV DATE DESCRIPTION			
ARCHEOLOGICAL SITE		В		
	LINE IS 2 INCHES AT FULL SIZE DESIGNED: C. WILLMORE DRAWN: D. DAVIDSE CHECKED:			
	CHECKED: APPROVED: S. BRENCHLEY			
	FILENAME C-110.dwg			
	BC PROJECT NUMBER 158815 CLIENT PROJECT NUMBER			
	CIVIL			
	CIVIL			
Know what's below. Call W before you dig.	PLAN AND PROFILE STA 323+00 TO STA 327+62.29	А		
BLUE STAKES OF UTAH UTILITY NOTIFICATION CENTER, INC.	DRAWING NUMBER			
www.bluestakes.org 1-800-662-4111	20 SHEET NUMBER 22			





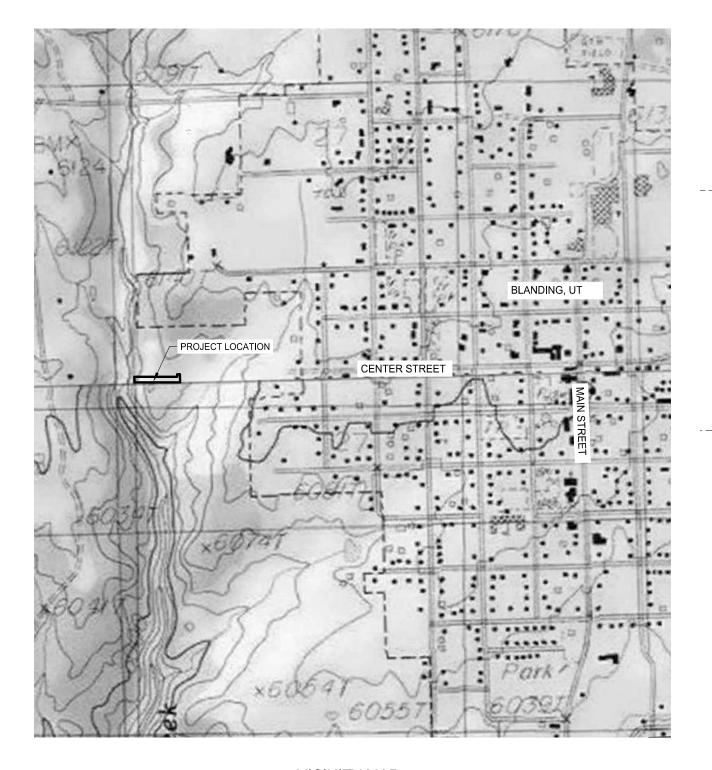
6	-			
GENERAL NOTES				
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 INSTALL CAV VALVE PER DETAIL WS-10 DRAWING NO. C-003. 		90%	SUBMITTAL	с
 INSTALL 8" GATE VALVE PER DETAIL WS-14 DRAWING NO. C-003. 		NAJ	O TRIBAL UTILITY AUTHORITY	-
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8. APPROXIMATE LOCATION OF SEPTIC SYSTEM.	Prin Hunt			
 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. 	WESTWATER WATER SYSTEM			
 LEGEND			DESIGN	
ARCHEOLOGICAL SITE			REVISIONS	
	REV	DATE	DESCRIPTION	
				B
		-	AT FULL SIZE	
	DESIGNED: C. WILLMORE DRAWN: D. DAVIDSE			
		CKED:		
	_	-	S. BRENCHLEY FILENAME	
		BC	C-111.dwg PROJECT NUMBER 158815	
		CLIE	NT PROJECT NUMBER	
			CIVIL	
			AND PROFILE	A
Know what's below.		1	407+00	
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1-800-662-4111		<u>۲</u>	SHEET NUMBER 22	





6		
GENERAL NOTES		
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9. INSTALL CONCRETE ANCHOR BLOCK PER DETAIL W-33 DRAWING NO. C-005.	90% SUBMITTAL	С
 DIRECTIONAL BORE HDPE WASH CROSSING, SEE DETAIL W-33 DRAWING NO. C-005. 	NAVAJO TRIBAL UTILITY AUTHORITY	
11. CONNECT TO EXISTING 8" PVC PIPE. POTHOLE TO VERIFY LOCATION AND ELEVATION.		
LEGEND	TESTER STORE	
ARCHEOLOGICAL SITE	WESTWATER WATER SYSTEM DESIGN REVISIONS REV DATE DESCRIPTION	
		В
	LINE IS 2 INCHES	
	DESIGNED: C. WILLMORE DRAWN: D. DAVIDSE	
	CHECKED: CHECKED:	
	APPROVED: S. BRENCHLEY FILENAME C-112.dwg BC PROJECT NUMBER	
	158815 CLIENT PROJECT NUMBER	
	CIVIL	
Know what's below.	PLAN AND PROFILE STA 407+00 TO STA 412+37.09	А
UTILITY NOTIFICATION CENTER, INC. www.bluestakes.org 1-800-662-4111	C-112 22 SHEET NUMBER 22	

VICINITY MAP SECTION 27, T.36S., R.22E., S.L.B. & M. NOT TO SCALE



CENTER STREET

(FUTURE EXPANSION)

W1/4 SEC 27, T36S, R22E, SLB&M. (FOUND ALUMINUM CAP RLS 4946)

— WTR — PROPOSED WATERLINE FOUND SECTION CORNER AS NOTED FOUND QUARTER SECTION CORNER AS NOTED

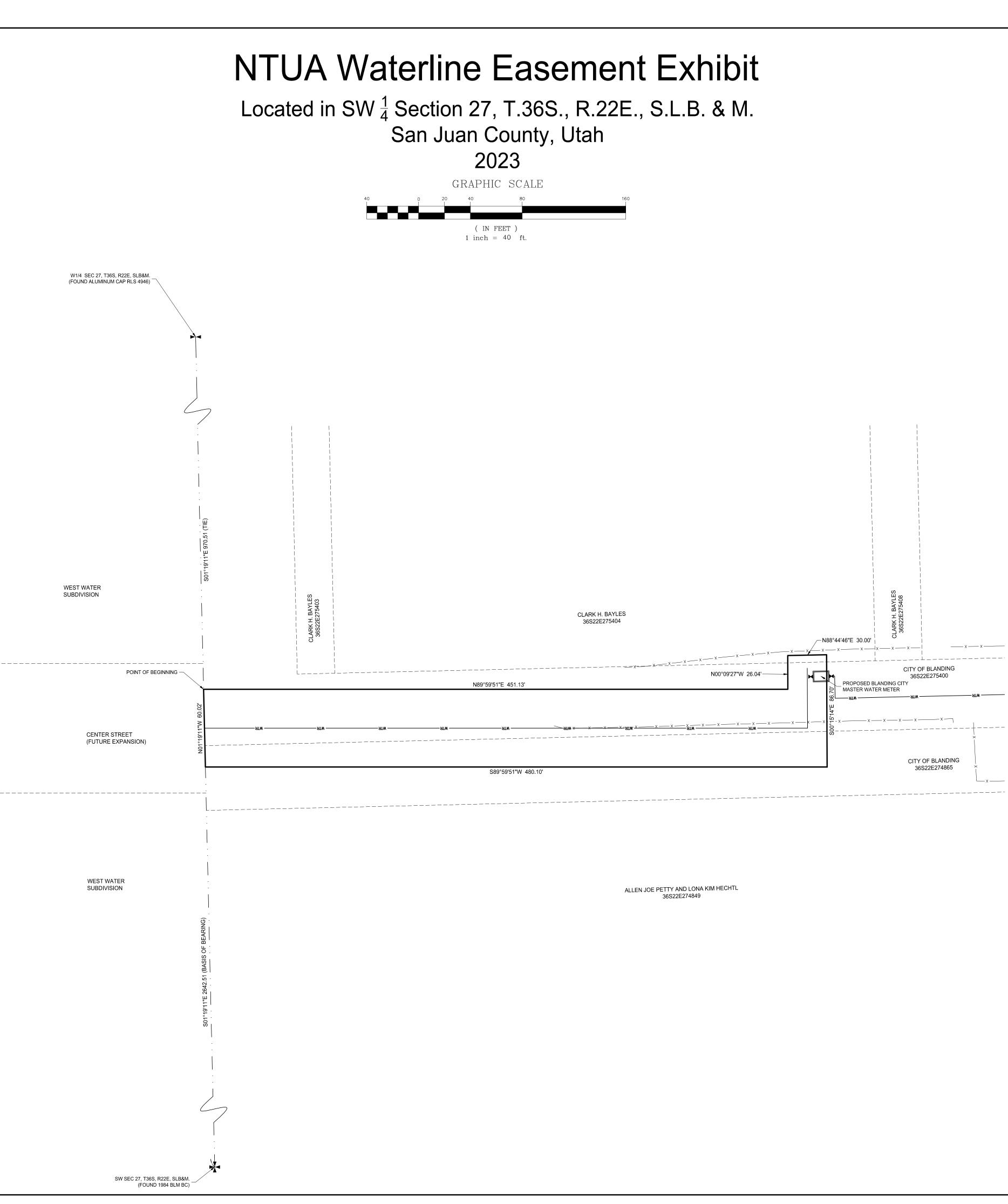
LEGEND EASEMENT BOUNDARY LINE SECTION LINE DEED LINE

WEST WATER

SUBDIVISION

______ POINT OF BEGINNING -

WEST WATER SUBDIVISION



EASEMENT DESCRIPTION

A TRACT OF LAND IN THE SOUTHWEST QUARTER OF SECTION 27, TOWNSHIP 36 SOUTH, RANGE 22 EAST, SALT LAKE BASE AND MERIDIAN IN SAN JUAN COUNTY, UTAH MORE PARTICULARLY DESCRIBED AS FOLLOWS:

BEGINNING AT A POINT ON THE WEST LINE OF SAID SECTION 27 BEING S01°19'11"E ALONG THE WEST LINE OF SAID SECTION 27 A DISTANCE OF 970.51 FEET, MORE OR LESS FROM THE WEST QUARTER CORNER OF SAID SECTION 27;

THENCE N89°59'51"E 451.13 FEET;

THENCE N00°09'27"W 26.04 FEET;

THENCE N88°44'46"E 30.00 FEET

THENCE S00°15'14"E 86.70

THENCE S89°59'51"W 480.10 FEET, MORE OF LESS, TO THE WEST LINE OF SAID SECTION 27; THENCE N01°19'11"W ALONG THE WEST LINE OF SAID SECTION 27 A DISTANCE OF 60.02 FEET TO

THE POINT OF BEGINNING. CONTAINING 0.68 ACRES MORE OR LESS.

NARRATIVE

_____ x ____ x _____

_ _ _ _ _

CITY OF BLANDING

36S22E275400

CITY OF BLANDING

36S22E274865

1. THE PURPOSE OF THIS SURVEY WAS TO LOCATE AND DESCRIBE THE PROPOSED WATERLINE EASEMENT TO THE WESTWATER SUBDIVISION.

2. THE BASIS OF BEARINGS USED FOR THIS SURVEY IS UTAH STATE PLANE COORDINATE SYSTEM NAD83-(2011), SOUTH ZONE-4303 US FOOT AS DETERMINED BY OPUS OBSERVATION AND IS SHOWN ON THIS PLAT BETWEEN THE WEST QUARTER CORNER AND THE SOUTHWEST CORNER OF SECTION 27, TOWNSHIP 36 NORTH, RANGE 22 EAST, SALT LAKE BASE AND MERIDIAN AS S01°19'11"E.

SURVEYOR'S CERTIFICATE

I, TYLER NIELSON, A PROFESSIONAL LAND SURVEYOR AS PRESCRIBED BY THE LAWS OF THE STATE OF UTAH, HOLDING CERTIFICATE #13525534, CERTIFY THAT THE SURVEY SHOWN HEREON WAS MADE UNDER MY DIRECTION.

I FURTHER STRUCTURE THIS PLAT CORRECTLY SHOWS THE DIMENSIONS OF THE PROPERTY SURVEXED TO THE BEST OF MY KNOWLEDGE.



UPDATED: 9/5/2023 PLOTTED: 9/6/2023

PREPARED BY: Jones & DeMille Engineering, Inc. CIVIL ENGINEERING - SURVEYING - TESTING - GIS - ENVIRONMENTAL

NTUA Waterline

Easement Exhibit

San Juan County, Utah

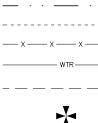
Scale: 1" = 40'

- infrastructure professionals -1.800.748.5275 www.jonesanddemille.com

PROJECT NUMBER: 2205-060 FILE NAME: h:\jd\proj\2205-060\dwg\2205-060_easements.dwg SURVEYED BY: TN DRAWN BY: TN

LEGEND

- SECTION LINE





FENCE LINE PROPOSED WATERLINE SUBDIVISION LOT LINE FOUND SECTION CORNER AS NOTED FOUND QUARTER SECTION

CORNER AS NOTED

WATERLINE EASEMENT LINE

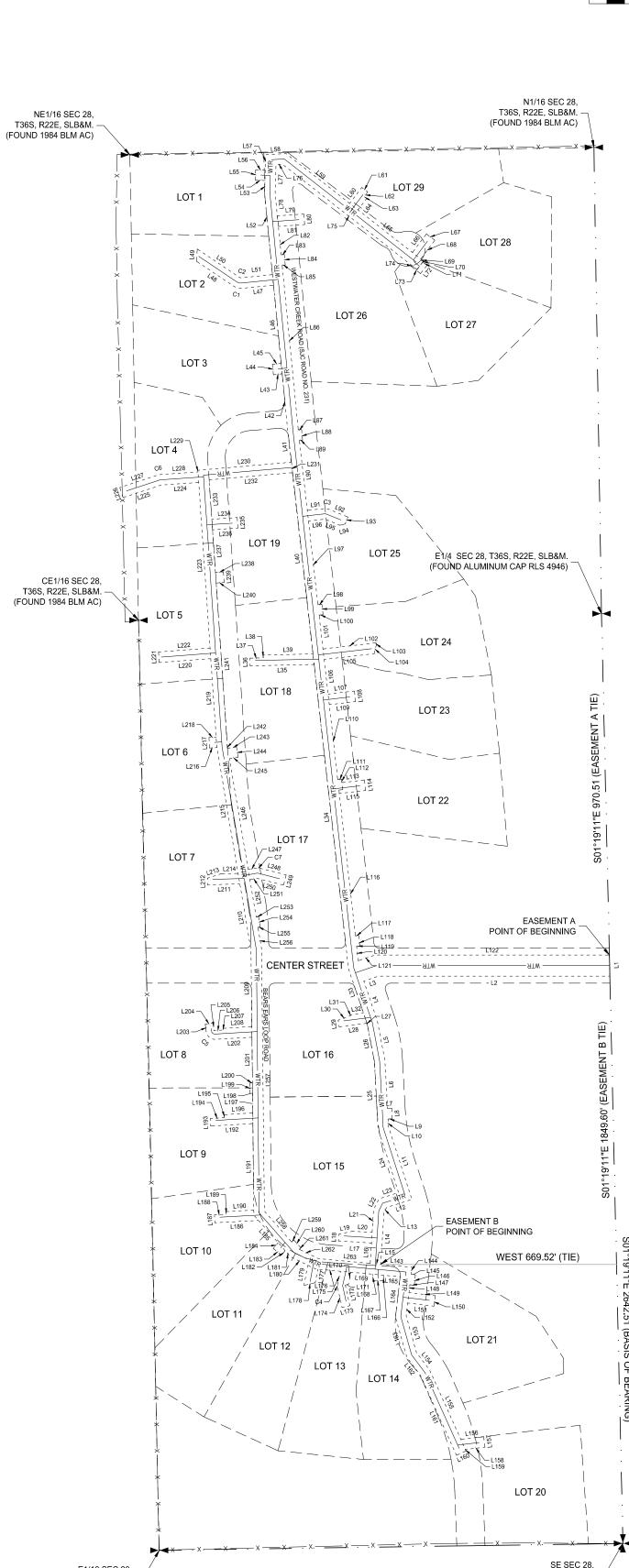
VICINITY MAP NOT TO SCALE

EASEMENT A CURVE TABLE

Curve Table						
Curve #	Length	Radius	Delta	Chord Direction	Chord Length	
C1	24.09	35.00	39.43	N75° 51' 45"W	23.62	
C2	3.44	5.00	39.43	S75° 51' 45"E	3.37	
C3	12.29	25.00	28.17	S82° 07' 09"E	12.17	

EASEMENT B CURVE TABLE

Curve Table					
Curve #	Length	Radius	Delta	Chord Direction	Chord Length
C4	10.91	25.00	25.01	N0° 03' 36"E	10.83
C5	37.36	25.00	85.62	N50° 32' 26"W	33.98
C6	6.20	25.00	14.20	N78° 58' 58"E	6.18
C7	10.42	25.00	23.88	S87° 37' 34"E	10.35



T36S, R22E, SLB&M. -

(FOUND 1984 BLM AC)

E1/16 SEC 28, T36S, R22E, SLB&M. (FOUND 1984 BLM AC)

Westwater Subdivision NTUA Waterline Easement

Located in NE $\frac{1}{4}$ & SE $\frac{1}{4}$ Section 28, T.36S., R.22E., S.L.B. & M.

San Juan County, Utah

2023

(IN FEET)

1 inch = 250 ft.

GRAPHIC SCALE

		EASEMENT	Γ Α L
	Parcel Lir	ne Table	
Line #	Length	Direction	
L1	60.02	S1° 19' 11"E	
L2	657.41	S89° 59' 51"W	
L3	43.51	S71° 17' 27"W	
L4	119.78	S18° 42' 33"E	
L5	114.50	S10° 51' 22"E	
L6	136.33	S3° 02' 36"E	
L7	12.08	N86° 57' 24"E	
L8	30.00	S3° 02' 36"E	
L9 L10	12.08 20.98	S86° 57' 24"W S3° 02' 36"E	
L11	20.30	S17° 46' 44"E	
L12	75.71	S72° 13' 16"W	
L13	15.58	S27° 13' 16"W	
L14	147.89	S3° 34' 37"W	
L15	30.01	N84° 45' 22"W	
L16	57.99	N3° 34' 37"E	
L17	93.87	N86° 25' 23"W	
L18	19.43	N3° 34' 37"E	
L19	39.65	N78° 07' 08"E	
L20 L21	55.65 65.31	S86° 25' 23"E N3° 34' 37"E	
L22	34.29	N27° 13' 16"E	
L23	58.14	N72° 13' 16"E	
L24	191.62	N17° 46' 44"W	
L25	189.15	N3° 02' 36"W	
L26	110.40	N10° 51' 22"W	
L27	1.56	N18° 42' 33"W	
L28	79.70	S82° 35' 00"W	
L29	19.19	N7° 25' 00"W	
L30 L31	37.50	N70° 01' 45"E N20° 06' 27"W	
L31	2.72 37.71	N82° 35' 00"E	
L33	132.69	N18° 42' 33"W	
L34	870.33	N6° 26' 56"W	
L35	181.54	S88° 41' 29"W	
L36	21.99	N1° 18' 31"W	
L37	37.60	N88° 41' 29"E	
L38	8.01	N2° 29' 58"W	
L39	141.41	N88° 41' 29"E	
L40	548.27	N6° 26' 56"W	
L41 L42	90.14	N6° 18' 00"W N5° 34' 32"W	
L42	24.85	S83° 56' 01"W	
L44	30.00	N6° 03' 59"W	
L45	25.10	N83° 56' 01"E	
L46	223.12	N5° 34' 32"W	
L47	90.16	S84° 25' 15"W	
L48	128.04	N56° 08' 43"W	
L49	34.47	N4° 20' 44"E	
L50	145.02	S56° 08' 43"E	
L51	90.16	N84° 25' 15"E	
L52 L53	231.25 37.47	N5° 34' 40"W N1° 40' 13"E	
L54	27.35	N88° 19' 47"W	
L55	30.00	N1° 40' 13"E	
L56	27.35	S88° 19' 47"E	
L57	43.39	N1° 40' 13"E	
L58	57.77	N86° 40' 13"E	
L59	229.82	S51° 54' 59"E	
L60	56.98	N37° 05' 01"E	
L61	20.83	S52° 54' 59"E	
L62	16.98	S31° 42' 17"W	
L63 L64	7.61 41.20	S57° 27' 24"E	
L64 L65	41.20	S37° 05' 01"W S51° 54' 59"E	
L66	66.17	N37° 05' 01"E	
L67	30.00	S52° 54' 59"E	
L68	66.69	S37° 05' 01"W	
L69	10.04	S51° 54' 59"E	
L70	3.00	S38° 05' 01"W	

L71	15.00	S51° 54' 59"E
L72	30.00	S38° 05' 01"W
L73	33.00	N51° 54' 59"W
L74	3.00	N38° 05' 01"E
L75	466.63	N51° 54' 59"W
L76	18.94	S86° 40' 13"W
L77	81.47	S1° 40' 13"W
L78	64.46	S5° 34' 47"E
L79	75.37	N85° 47' 53"E
L80	30.00	S4° 12' 07"E
L81	74.65	S85° 47' 53"W
L82	80.87	S5° 34' 37"E
L83	8.73	N84° 25' 28"E
L84	30.00	S5° 34' 32"E
L85	8.73	S84° 25' 28"W
L86	470.01	S5° 34' 32"E
L87	9.29	N84° 25' 28"E
L88	30.00	S5° 34' 32"E
L89	9.06	S84° 25' 28"W
L90	200.34	S6° 26' 56"E
L91	48.17	N83° 47' 53"E
L92	59.87	S68° 02' 11"E
L93	20.94	S21° 57' 49"W
L94	15.52	S76° 13' 11"W
L95	46.02	N68° 02' 11"W
L96	46.79	S83° 47' 53"W
L97	239.52	S6° 26' 56"E
L98	11.26	N83° 33' 04"E
L99	30.00	S6° 26' 56"E
L100	11.26	S83° 33' 04"W
L101	96.79	S6° 26' 56"E
L102	152.01	N83° 19' 44"E
L103	6.01	S6° 40' 16"E
L104	25.64	S14° 00' 58"W
L105	143.06	S83° 19' 44"W
L106	98.99	S6° 26' 56"E
L107	75.30	N83° 22' 34"E
L108	30.00	S6° 37' 26"E
L109	75.39	S83° 22' 34"W
L110	214.20	S6° 26' 56"E
L111	11.03	N83° 33' 04"E
L112	10.18	S6° 07' 16"E
L113	64.19	N83° 19' 44"E
L114	30.00	S6° 40' 16"E
L115	75.28	S83° 19' 44"W
L116	406.58	S6° 26' 56"E
L117	9.12	N83° 33' 04"E
L118	30.00	S6° 26' 56"E
L119	9.12	S83° 33' 04"W
L120	41.41	S6° 26' 56"E
L121	49.90	N71° 17' 27"E
L122	665.91	N89° 59' 51"E

89.06	S84° 45' 22"E	L215	362.69	
20.20	S6° 44' 38"W	L216	20.56	
12.42	S83° 15' 22"E	L217	30.00	
30.00	S6° 44' 38"W	L218	20.50	
12.42	N83° 15' 22"W	L219	223.23	
22.40	S6° 44' 38"W	L220	147.66	
75.00	S83° 15' 22"E	L221	30.02	
30.00	S6° 44' 38"W	L222	146.72	
75.00	N83° 15' 22"W	L223	471.76	
37.27	S6° 44' 38"W	L224	106.28	
107.38	S15° 45' 22"E	L225	114.42	
61.88	S37° 00' 22"E	L226	30.00	
216.59	S24° 13' 54"E	L227	115.04	
65.28	N83° 14' 33"E	L228	106.90	
30.00	S6° 45' 27"E	L229	4.74	
55.83	S83° 14' 33"W	L230	266.05	
4.56	S24° 13' 54"E	L231	30.01	
30.00	S65° 46' 06"W	L232	237.37	
249.25	N24° 13' 54"W	L233	112.04	
64.15	N37° 00' 22"W	L234	72.26	
118.98	N15° 45' 22"W	L235	30.00	
115.05	N6° 44' 38"E	L236	72.25	
47.71	N84° 45' 22"W	L237	121.50	
16.46	S0° 46' 05"W	L238	22.57	
30.01	N87° 55' 32"W	L239	30.00	
18.12	N0° 46' 05"E	L240	22.57	
62.43	N84° 45' 22"W	L241	465.04	
35.27	S12° 34' 00"W	L242	6.04	
8.84	S77° 02' 35"W	L243	25.17	
60.29	S12° 26' 48"E	L244	30.00	

EASEMENT B LINE TABLES

Parcel Line Table

ine # Length Direction

L143

| 147

L148

L149

L150

L151

L152 L153

L154

L155

L156

L157

L158

L159

L160

L207 5.00 N3° 53' 42"W

L208 81.86 N86° 38' 50"E

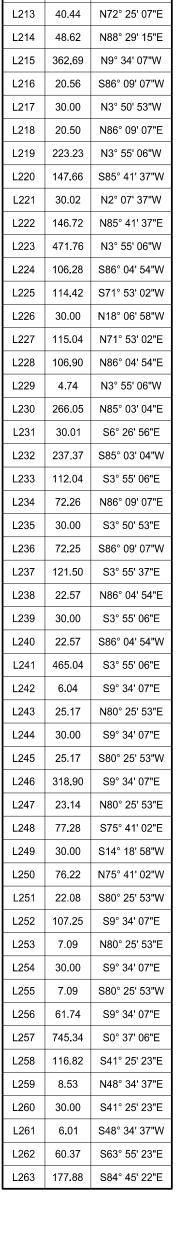
L209 218.37 N0° 37' 06"W

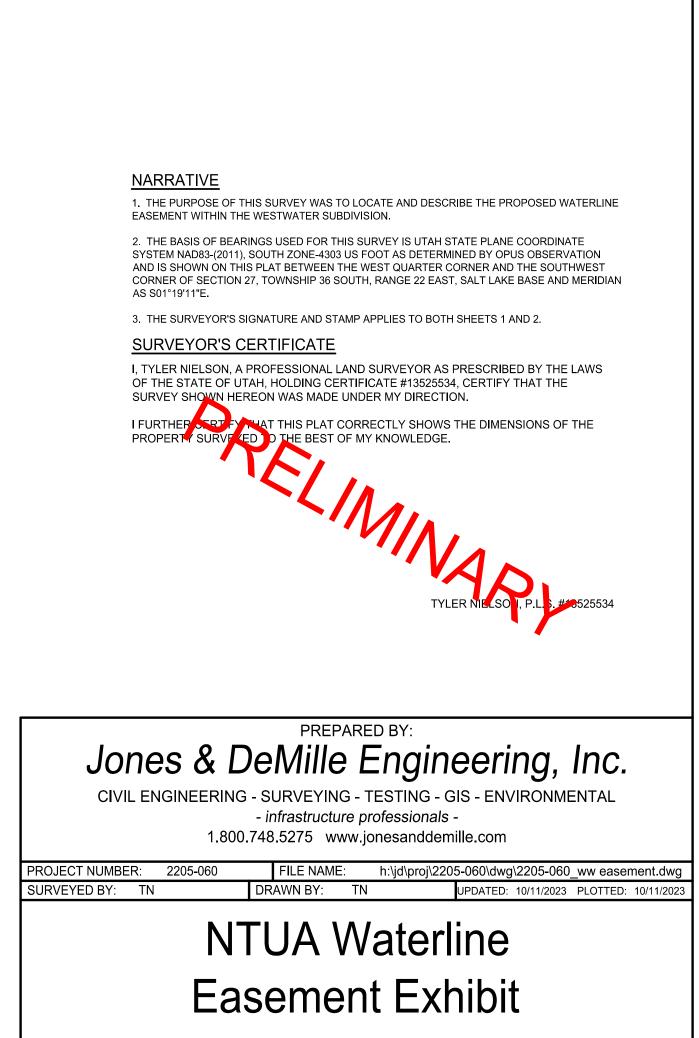
L210 | 189.89 | N9° 34' 07"W

L211 91.73 S88° 29' 15"W

L212 18.81 N1° 30' 45"W

L161	249.25	N24° 13' 54"W	L233	112.
L162	64.15	N37° 00' 22"W	L234	72.2
L163	118.98	N15° 45' 22"W	L235	30.0
L164	115.05	N6° 44' 38"E	L236	72.2
L165	47.71	N84° 45' 22"W	L237	121.
L166	16.46	S0° 46' 05"W	L238	22.
L167	30.01	N87° 55' 32"W	L239	30.0
L168	18.12	N0° 46' 05"E	L240	22.
L169	62.43	N84° 45' 22"W	L241	465.
L170	35.27	S12° 34' 00"W	L242	6.0
L171	8.84	S77° 02' 35"W	L243	25.
L172	60.29	S12° 26' 48"E	L244	30.0
L173	22.75	S77° 33' 12"W	L245	25.
L174	58.08	N12° 26' 48"W	L246	318.
L175	36.29	N12° 34' 00"E	L247	23.
L176	64.64	N84° 45' 22"W	L248	77.2
L177	39.38	S10° 29' 00"W	L249	30.0
L178	32.64	S77° 17' 02"W	L250	76.2
L179	58.19	N10° 29' 00"E	L251	22.0
L180	54.04	N63° 55' 23"W	L252	107.
L181	23.36	N41° 25' 23"W	L253	7.0
L182	16.63	S38° 53' 34"W	L254	30.0
L183	30.00	N51° 06' 26"W	L255	7.0
L184	21.75	N38° 53' 34"E	L256	61.
L185	84.33	N41° 25' 23"W	L257	745.
L186	123.89	S86° 47' 52"W	L258	116.
L187	22.14	N3° 12' 08"W	L259	8.5
L188	33.59	N85° 27' 10"E	L260	30.0
L189	7.07	N3° 53' 13"W	L261	6.0
L190	78.82	N86° 47' 52"E	L262	60.3
L191	245.95	N0° 37' 06"W	L263	177.
L192	119.80	S86° 32' 03"W		
L193	21.52	N3° 27' 57"W		
L194	39.84	N86° 32' 03"E		
L195	8.48	N3° 48' 31"W		
L196	81.50	N86° 32' 03"E		
L197	55.71	N0° 37' 06"W		
L198	7.12	S89° 22' 54"W		
L199	30.00	N0° 37' 06"W		
L200	7.12	N89° 22' 54"E		
L201	129.56	N0° 37' 06"W		
L202	103.62	S86° 38' 50"W		
L203	22.06	N7° 43' 43"W		
L204	23.53	N82° 16' 17"E		
L205	21.88	N3° 05' 00"W		
L206	26.49	N86° 38' 50"E		





San Juan County, Utah Scale: 1" = 250'

SHEET 1 OF 2

Westwater Subdivision NTUA Waterline Easement

EASEMENT A DESCRIPTION

A TRACT OF LAND IN THE NORTHEAST AND SOUTHEAST QUARTER OF SECTION 28, TOWNSHIP 36 SOUTH, RANGE 22 EAST, SALT LAKE BASE AND MERIDIAN IN SAN JUAN COUNTY, UTAH MORE PARTICULARLY DESCRIBED AS FOLLOWS:

BEGINNING AT A POINT ON THE EAST LINE OF SAID SECTION 28 BEING S01°19'11"E ALONG THE EAST LINE OF SAID SECTION 28 A DISTANCE OF 970.51 FEET, MORE OR LESS FROM THE EAST QUARTER CORNER OF SAID SECTION 28;

THENCE S01°19'11"E ALONG THE EAST LINE OF SAID SECTION 28 A DISTANCE OF

60.02 FEET; THENCE S89°59'51"W 657.41 FEET; THENCE S71°17'27"W 43.51 FEET; THENCE S18°42'33"E 119.78 FEET; THENCE S10°51'22"E 114.50 FEET; THENCE S03°02'36"E 136.33 FEET; THENCE N86°57'24"E 12.08 FEET; THENCE S03°02'36"E 30.00 FEET; THENCE S86°57'24"W 12.08 FEET; THENCE S03°02'36"E 20.98 FEET; THENCE S17°46'44"E 217.74 FEET; THENCE S72°13'16"W 75.71 FEET; THENCE S27°13'16"W 15.58 FEET; THENCE S03°34'37"W 147.89 FEET; THENCE N84°45'22"W 30.01 FEET; THENCE N03°34'37"E 57.99 FEET; THENCE N86°25'23"W 93.87 FEET; THENCE N03°34'37"E 19.43 FEET; THENCE N78°07'08"E 39.65 FEET; THENCE S86°25'23"E 55.65 FEET; THENCE N03°34'37"E 65.31 FEET; THENCE N27°13'16"E 34.29 FEET; THENCE N72°13'16"E 58.14 FEET; THENCE N17°46"44"W 191.62 FEET;

THENCE N03°02'36"W 189.15 FEET; THENCE N10°51'22"W 110.40 FEET; THENCE N18°42'33"W 1.56 FEET; THENCE S82°35'00"W 79.70 FEET; THENCE N07°25'00"W 19.19 FEET; THENCE N70°01'45"E 37.50 FEET; THENCE N20°06'27"W 2.72 FEET; THENCE N82°35'00"E 37.71 FEET; THENCE N18°42'33"W 132.69 FEET; THENCE N06°26'56"W 870.33 FEET; THENCE S88°41'29"W 181.54 FEET; THENCE N01°18'31"W 21.99 FEET; THENCE N88°41'29"E 37.60 FEET; THENCE N02°29'58"W 8.01 FEET; THENCE N88°41'29"E 141.41 FEET; THENCE N06°26'56"W 548.27 FEET; THENCE N06°18'00"W 90.14 FEET; THENCE N05°34'32"W 162.23 FEET; THENCE S83°56'01"W 24.85 FEET; THENCE N06°03'59"W 30.00 FEET; THENCE N83°56'01"E 25.10 FEET;

THENCE N05°34'32"W 223.12 FEET; THENCE S84°25'15"W 90.16 FEET; THENCE ALONG A 35 FOOT RADIUS CURVE TO THE RIGHT A DISTANCE OF 24.09

FEET, SAID CURVE HAVING A CHORD BEARING AND DISTANCE OF N75°51'45"W 23.62 FEET;

THENCE N56°08'43"W 128.04 FEET; THENCE N04°20'44"E 34.47 FEET; THENCE S56°08'43"E 145.02 FEET;

THENCE ALONG A 5 FOOT RADIUS CURVE TO THE RIGHT A DISTANCE OF 3.44 FEET, SAID CURVE HAVING A CHORD BEARING AND DISTANCE OF S75°51'45"E 3.37 FEET;

THENCE N84°25'15"E 90.16 FEET; THENCE N05°34'40"W 231.25 FEET; THENCE N01°40'13"E 37.47 FEET; THENCE N88°19'47"W 27.35 FEET; THENCE N01°40'13"E 30.00 FEET; THENCE S88°19'47"E 27.35 FEET; THENCE N01°40'13"E 43.39 FEET; THENCE N86°40'13"E 57.77 FEET; THENCE S51°54'59"E 229.82 FEET; THENCE N37°05'01"E 56.98 FEET; THENCE S52°54'59"E 20.83 FEET; THENCE S31°42'17"W 16.98 FEET;

THENCE S57°27'24"E 7.61 FEET;

THENCE S37°05'01"W 41.20 FEET; THENCE S51°54'59"E 196.10 FEET; THENCE N37°05'01"E 66.17 FEET; THENCE S52°54'59"E 30.00 FEET; THENCE S37°05'01"W 66.69 FEET; THENCE S51°54'59"E 10.04 FEET; THENCE S38°05'01"W 3.00 FEET; THENCE S51°54'59"E 15.00 FEET; THENCE S38°05'01"W 30.00 FEET; THENCE N51°54'59"W 33.00 FEET; THENCE N38°05'01"E 3.00 FEET; THENCE N51°54'59"W 466.63 FEET; THENCE S86°40'13"W 18.94 FEET; THENCE S01°40'13"W 81.47 FEET; THENCE S05°34'47"E 64.46 FEET; THENCE N85°47'53"E 75.37 FEET; THENCE S04°12'07"E 30.00 FEET; THENCE S85°47'53"W 74.65 FEET; THENCE S05°34'32"E 80.87 FEET; THENCE N84°25'28"E 8.73 FEET; THENCE S05°34'32"E 30.00 FEET; THENCE S84°25'28"W 8.73 FEET; THENCE S05°34'32"E 470.01 FEET; THENCE N84°25'28"E 9.29 FEET; THENCE S05°34'32"E 30.00 FEET; THENCE S84°25'28"W 9.06 FEET; THENCE S06°26'56"E 200.34 FEET;

THENCE N83°47'53"E 48.17 FEET;

THENCE ALONG A 25 FOOT RADIUS CURVE TO THE RIGHT A DISTANCE OF 12.29 FEET, SAID CURVE HAVING A CHORD BEARING AND DISTANCE OF S82°07'09"E 12.17 FEET;

THENCE S68°02'11"E 59.87 FEET; THENCE S21°57'49"W 20.94 FEET; THENCE S76°13'11"W 15.52 FEET; THENCE N68°02'11"W 46.02 FEET; THENCE S83°47'53"W 46.79 FEET; THENCE S06°26'56"E 239.52 FEET; THENCE N83°33'04"E 11.26 FEET; THENCE S06°26'56"E 30.00 FEET; THENCE S83°33'04"W 11.26 FEET; THENCE S06°26'56"E 96.79 FEET; THENCE N83°19'44"E 152.01 FEET; THENCE S06°40'16"E 6.01 FEET; THENCE \$14°00'58"W 25.64 FEET; THENCE S83°19'44"W 143.06 FEET: THENCE S06°26'56"E 98.99 FEET; THENCE N83°22'34"E 75.30 FEET; THENCE S06°37'26"E 30.00 FEET; THENCE \$83°22'34"W 75.39 FEET; THENCE S06°26'56"E 214.20 FEET; THENCE N83°33'04"E 11.03 FEET; THENCE S06°07'16"E 10.18 FEET; THENCE N83°19'44"E 64.19 FEET; THENCE S06°40'16"E 30.00 FEET; THENCE S83°19'44"W 75.28 FEET; THENCE S06°26'56"E 406.58 FEET; THENCE N83°33'04"E 9.12 FEET; THENCE S06°26'56"E 30.00 FEET; THENCE S83°33'04"W 9.12 FEET; THENCE S06°26'56"E 41.41 FEET; THENCE N71°17'27"E 49.90 FEET;

THENCE N89°59'51"E 665.91 FEET MORE OF LESS TO THE POINT OF BEGINNING. CONTAINING 4.45 ACRES MORE OR LESS.

EASEMENT A TRACT OF LAND **TOWNSHIP 36 SOU** COUNTY, UTAH MC

BEGINNING AT A P SECTION 28 A DIST FROM THE EAST Q

Located in NE $\frac{1}{4}$ & SE $\frac{1}{4}$ Section 28, T.36S., R.22E., S.L.B. & M. San Juan County, Utah 2023

FRACT OF LAND IN THE NORTHEAST AND SOUTHEAST QUARTER OF SECTION 28, WNSHIP 36 SOUTH, RANGE 22 EAST, SALT LAKE BASE AND MERIDIAN IN SAN JUAN WNTY, UTAH MORE PARTICULARLY DESCRIBED AS FOLLOWS:	THENCE N86°38'50"E 26.49 FEET; THENCE N03°53'42"W 5.00 FEET;		
GINNING AT A POINT BEING LOCATED S01°19'11"E ALONG THE EAST LINE OF SAID	THENCE N86°38'50"E 81.86 FEET;		
CTION 28 A DISTANCE OF 1849.60 FEET AND WEST 669.52 FEET, MORE OR LESS OM THE EAST QUARTER CORNER OF SAID SECTION 28;	THENCE N00°37'06"W 218.37 FEET;		
ENCE S84°45'22"E 89.06 FEET;	THENCE N09°34'07"W 189.89 FEET;		
ENCE S06°44'38"W 20.20 FEET;	THENCE S88°29'15"W 91.73 FEET;		
ENCE \$83°15'22"E 12.42 FEET;	THENCE N01°30'45"W 18.81 FEET;		
ENCE S06°44'38"W 30.00 FEET;	THENCE N72°25'07"E 40.44 FEET;		
ENCE N83°15'22"W 12.42 FEET;	THENCE N88°29'15"E 48.62 FEET;		
ENCE S06°44'38"W 22.40 FEET;	THENCE N09°34'07"W 362.69 FEET;		
ENCE S83°15'22"E 75.00 FEET; ENCE S06°44'38"W 30.00 FEET;	THENCE S86°09'07"W 20.56 FEET; THENCE N03°50'53"W 30.00 FEET;		
ENCE N83°15'22"W 75.00 FEET;	THENCE N86°09'07"E 20.50 FEET;		
ENCE S06°44'38"W 37.27 FEET;	THENCE N03°55'06"W 223.23 FEET;		
ENCE S15°45'22"E 107.38 FEET;	THENCE S85°41'37"W 147.66 FEET;		
ENCE S37°00'22"E 61.88 FEET;	THENCE N02°07'37"W 30.02 FEET;		
ENCE S24°13'54"E 216.59 FEET;	THENCE N85°41'37"E 146.72 FEET;		
ENCE N83°14'33"E 65.28 FEET;	THENCE N03°55'06"W 471.76 FEET;		
ENCE S06°45'27"E 30.00 FEET;	THENCE S86°04'54"W 106.28 FEET;		
ENCE S83°14'33"W 55.83 FEET;	THENCE S71°53'02"W 114.42 FEET;		
ENCE S24°13'54"E 4.56 FEET;	THENCE N18°06'58"W 30.00 FEET;		
ENCE S65°46'06"W 30.00 FEET;	THENCE N71°53'02"E 115.04 FEET;		
ENCE N24°13'54"W 249.25 FEET;	THENCE ALONG A 25 FOOT RADIUS CURVE TO THE RIGHT A DISTANCE OF 6.20 FEET SAID CURVE HAVING A CHORD BEARING AND DISTANCE OF N78°58'58'E 6.18 FEET;		
ENCE N37°00'22"W 64.15 FEET;	THENCE N86°04'54"E 106.90 FEET;		
ENCE N15°45'22"W 118.98 FEET;	THENCE N03°55'06"W 4.74 FEET;		
ENCE N06°44'38"E 115.05 FEET; ENCE N84°45"22"W 47.71 FEET;	THENCE N85°03'04"E 266.05 FEET;		
ENCE S00°46'05"W 16.46 FEET;	THENCE S06°26'56"E 30.01 FEET;		
ENCE N87°55'32"W 30.01 FEET;	THENCE S85°03'04"W 237.37 FEET;		
ENCE N00°46'05"E 18.12 FEET;	THENCE S03°55'06"E 112.04 FEET;		
ENCE N84°45'22"W 62.43 FEET;	THENCE N86°09'07"E 72.26 FEET;		
ENCE S12°34'00"W 35.27 FEET;	THENCE \$03°50'53"E 30.00 FEET;		
ENCE S77°02'35"W 8.84 FEET;	THENCE S86°09'07"W 72.25 FEET; THENCE S03°55'37"E 121.50 FEET;		
ENCE S12°26'48"E 60.29 FEET;	THENCE N86°04'54"E 22.57 FEET;		
ENCE S77°33'12"W 22.75 FEET;	THENCE \$03°55'06"E 30.00 FEET;		
ENCE N12°26'48"W 58.08 FEET;	THENCE S86°04'54"W 22.57 FEET;		
ENCE ALONG A 25 FOOT RADIUS CURVE TO THE RIGHT A DISTANCE OF 10.91 ET, SAID CURVE HAVING A CHORD BEARING AND DISTANCE OF N00°03'36"E 10.83	THENCE S03°55'06"E 465.04 FEET;		
	THENCE S09°34'07"E 6.04 FEET;		
ENCE N12°34'00"E 36.29 FEET; ENCE N84°45'22"W 64.64 FEET;	THENCE N80°25'53"E 25.17 FEET;		
ENCE S10°29'00"W 39.38 FEET;	THENCE S09°34'07"E 30.00 FEET;		
ENCE S77°17'02"W 32.64 FEET;	THENCE S80°25'53"W 25.17 FEET;		
ENCE N10°29'00"E 58.19 FEET;	THENCE S09°34'07"E 318.90 FEET;		
ENCE N63°55'23"W 54.04 FEET;	THENCE N80°25'53"E 23.14 FEET;		
ENCE N41°25'23"W 23.36 FEET;	THENCE ALONG A 25 FOOT CURVE TO THE RIGHT A DISTANCE OF 10.42 FEET, SAID CURVE HAVING A CHORD BEARING AND DISTANCE OF S87°37'34"E 10.35 FEET;		
ENCE S38°53'34"W 16.63 FEET;	THENCE S75°41'02"E 77.28 FEET;		
ENCE N51°06'26"W 30.00 FEET;	THENCE S14°18'58"W 30.00 FEET;		
ENCE N38°53'34"E 21.75 FEET;	THENCE N75°41'02"W 76.22 FEET;		
ENCE N41°25'23"W 84.33 FEET;	THENCE S80°25'53"W 22.08 FEET;		
ENCE S86°47'52"W 123.89 FEET;	THENCE S09°34'07"E 107.25 FEET;		
ENCE N85°27'10"E 33.59 FEET;	THENCE S09°34'07"E 30.00 FEET;		
ENCE N03°53'13"W 7.07 FEET; ENCE N86°47'52"E 78.82 FEET;	THENCE S80°25'53"W 7.09 FEET; THENCE S09°34'07"E 61.74 FEET;		
ENCE N86°47'52°E 78.82 FEET; ENCE N00°37'06"W 245.95 FEET;	THENCE S09°37'06"E 745.34 FEET;		
ENCE \$86°32'03"W 119.80 FEET;	THENCE S41°25'23"E 116.82 FEET;		
ENCE N03°27'57"W 21.52 FEET;	THENCE N48°34'37"E 8.53 FEET;		
	THENCE S41°25'23"E 30.00 FEET;		
ENCE N86°32'03"E 39.84 FEET;	THENCE S48°34'37"W 6.01 FEET;		
ENCE N86°32'03"E 39.84 FEET; ENCE N03°48'31"W 8.48 FEET;	··· <u>····</u> ·····························		
	THENCE S63°55'23"E 60.37 FEET;		
ENCE N03°48'31"W 8.48 FEET;			
ENCE N03°48'31"W 8.48 FEET; ENCE N86°32'03"E 81.50 FEET;	THENCE S63°55'23"E 60.37 FEET;		
ENCE N03°48'31"W 8.48 FEET; ENCE N86°32'03"E 81.50 FEET; ENCE N00°37'06"W 55.71 FEET;	THENCE S63°55'23"E 60.37 FEET; THENCE S84°45'22"E 177.88 FEET MORE OF LESS TO THE POINT OF BEGINNING.		
ENCE N03°48'31"W 8.48 FEET; ENCE N86°32'03"E 81.50 FEET; ENCE N00°37'06"W 55.71 FEET; ENCE S89°22'54"W 7.12 FEET;	THENCE S63°55'23"E 60.37 FEET; THENCE S84°45'22"E 177.88 FEET MORE OF LESS TO THE POINT OF BEGINNING.		
ENCE N03°48'31"W 8.48 FEET; ENCE N86°32'03"E 81.50 FEET; ENCE N00°37'06"W 55.71 FEET; ENCE S89°22'54"W 7.12 FEET; ENCE N00°37'06"W 30.00 FEET;	THENCE S63°55'23"E 60.37 FEET; THENCE S84°45'22"E 177.88 FEET MORE OF LESS TO THE POINT OF BEGINNING.		

THENCE N07°43'43"W 22.06 FEET; THENCE N82°16'17"E 23.53 FEET;

THENCE S03°05'00"E 21.88 FEET;

