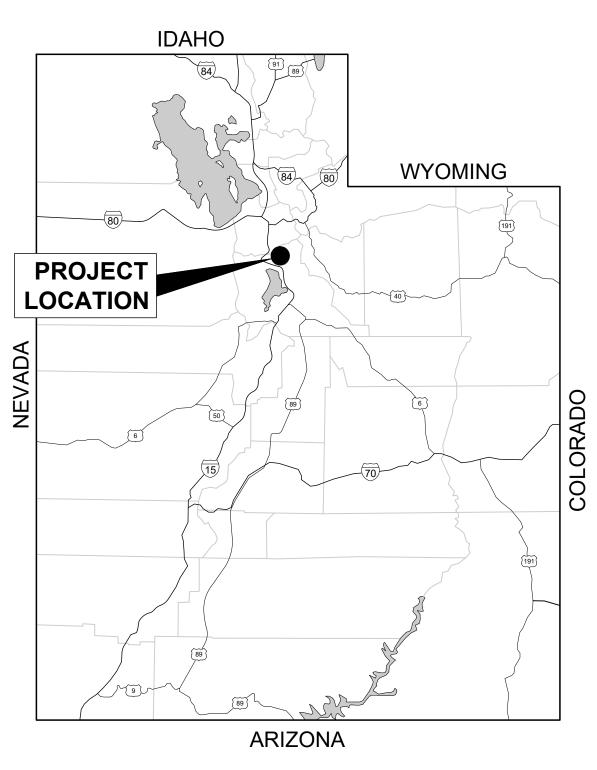
Utah Division of Facilities Construction and Management (DFCM)

THE POINT REDEVELOPMENT PACKAGE 03 TRANSMISSION LINE

BID PACKAGE DFCM Project # 25406300 August 2025



STATE MAP

OWNER:

DIVISION OF FACILITIES CONSTRUCTION AND MANAGEMENT 4110 State Office Building Salt Lake City, UT 84114 (801) 957-7230 CONTACT: MIKE AMBRE

ENGINEER:

HORROCKS ENGINEERS 2162 West Grove Parkway Pleasant Grove, UT 84062 (801) 763-5100 CONTACT: DAVE PETERSON, PE



VICINITY MAP

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HEET NUMBER

SHEET TITLE

COVER

G.1.0

LEGEND

	IST	INI	\bigcirc
-	I OI	\mathbf{H}	J

EXISTING BURIED ELECTRICAL LINE		— — bel — —	— — bel — —	— — bel — —	— bel ——
EXISTING OVERHEAD ELECTRICAL LINE	——————————————————————————————————————	— el — —	— — el — —	— — el — —	— el ——
EXISTING BURIED CABLE TV	bctv	— — bctv — — -	— — bctv — —	— — bctv — —	- — bctv —
EXISTING OVERHEAD CABLE TV	ctv	— — ctv — — -	— — ctv — —	— — ctv — —	— ctv —
EXISTING BURIED FIBER OPTIC	bfo	— — bfo — — ·	— — bfo — —	—— bfo ——	— — bfo —
EXISTING OVERHEAD FIBER OPTIC	fo	fo	—— fo ——	—— fo ———	— fo ——
EXISTING BURIED TELEPHONE	— — — btel — — –	— — btel — — -	— — btel — —	— — btel — —	- — btel —
EXISTING OVERHEAD TELEPHONE	tel	— tel — —	— tel — —	— tel — —	— tel ——
EXISTING GAS LINE	g	-—— g ——	—— g ——	—— g ———	——— g ———
EXISTING SEWER	ss	—— ss ——	—— ss ——	—— ss ——	——————————————————————————————————————
EXISTING STORM DRAIN	sd	— — sd — —	—— sd ——	—— sd ——	— — sd ——
EXISTING WATER LINE	w	w	—— w ——	—— w ———	— w ——
EXISTING IRRIGATION LINE	irr	irr	— irr — —	— irr — — -	— irr ——

PROPOSED

PROPOSED BURIED ELECTRICAL LINE	BEL	BEL
PROPOSED OVERHEAD ELECTRICAL LINE	EL	EL
PROPOSED BURIED CABLE TV	BCTV —	BCTV
PROPOSED OVERHEAD CABLE TV	стv	CTV
PROPOSED BURIED FIBER OPTIC	BFO	BFO
PROPOSED OVERHEAD FIBER OPTIC	FO	FO
PROPOSED BURIED TELEPHONE	BTEL	BTEL
PROPOSED OVERHEAD TELEPHONE	TEL	TEL
PROPOSED BURIED COM LINE	COM	COM
PROPOSED GAS LINE		
PROPOSED SEWER	ss	ss
PROPOSED STORM DRAIN	sp	SD
PROPOSED WATER LINE	w	w ———

SYMBOLS

PROPOSED IRRIGATION LINE

01			
PROPOSED CROSS	-	PROPOSED CAP AND PLUG	Ш
PROPOSED TEE	ᄺ	PROPOSED GATE VALVE	\bowtie
PROPOSED 90° BEND	Ъ	PROPOSED FIRE HYDRANT	
PROPOSED 45° BEND	\checkmark	PROPOSED CATCH BASIN	
PROPOSED 22.5° BEND	\leftarrow	PROPOSED SEWER CLEAN OUT	CO
PROPOSED 11.25° BEND	\vdash	PROPOSED WATER METER	W
		EXISTING IRRIGATION BOX	ir

ABBREVIATIONS

AC	ASPHALT CONCRETE PAVEMENT
BLDG.	BUILDING
BV	BUTTERFLY VALVE
CI	CAST IRON
Q.	CENTER LINE
ČLR	CLEAR
CO	CLEANOUT
COM	COMPRESSION FITTING
CONC	CONCRETE
CONST	CONSTRUCT
CS	CITY STANDARD
CTS	COPPER TUBE STEEL
CY	CUBIC YARD
d	DEPTH OF FLOW
u D	DIAMETER OF PIPE
	_
DCS	DRAPER CITY STANDARD
DI	DUCTILE IRON PIPE
DIA	DIAMETER
DIM.	DIMENSION
DWG	DRAWING
E	EAST
EA	EACH
EL, ELEV	ELEVATION
ESMT	EASEMENT
EW	EACH WAY
EXIST OR EX	EXISTING
FE	FLANGE END
FIP	FEMALE IRON PIPE FITTING
FL, FLG	FLANGE FITTING
Æ, FL	FLOW LINE
FM	FORCE MAIN
FPS	FEET PER SECOND
FRP	FIBERGLASS REINFORCED PLASTIC
FT	FOOT
GV	GATE VALVE
HORIZ	HORIZONTAL
ID	INSIDE DIAMETER
	INCH(ES)
	INVERT
LT	LEFT
MAX	MAXIMUM
MFRS	MANUFACTURERS
MGD	MILLION GALLONS PER DAY
MH	MANHOLE
MIP	MALE IRON PIPE FITTING
MJ	MECHANICAL JOINT FITTING
N N	NORTH, FRICTION FACTOR
N/A	NOT APPLICABLE
NO (#)	NUMBER
NO ' Q #)	NOTED
NTS	NOT TO SCALE
PERM	PERMANENT
OC	ON CENTER
OD	OUTSIDE DIAMETER
ОН	OVERHEAD
ዊ	PROPERTY LINE
PVC	POLYVINYL CHLORIDE
PVI	POINT OF VERTICAL INTERSECTION
PWD	PUBLIC WORKS DEPARTMENT
Q	RATE OF FLOW
REINF	REINFORCEMENT, REINFORCING
REQD	REQUIRED
RES	RESERVOIR
REV	REVISION
RT	RIGHT
R/W	RIGHT OF WAY
S	SOUTH, SLOPE
ST STL	STAINLESS STEEL
STA	STATION
STD	STANDARD
T.B.	THRUST BLOCK
TBM	TEMPORARY BENCH MARK
TEMP	TEMPORARY
TYP	TYPICAL
UBC	UNTREATED BASE COURSE
UG	UNDERGROUND
UNO	UNLESS NOTED OTHERWISE
V	VELOCITY
v VERT	VERTICAL
	v LINIIOAL
\/\/	WEST
W	WEST

PIPE ABBREVIATIONS

CIP	CAST IRON PIPE
CMP	CORRUGATED METAL PIPE
CPP	CORRUGATED POLYETHYLENE PIPE
DI	DUCTILE IRON PIPE
HDPE	HIGH DENSITY POLYETHYLENE
POLY	POLYETHYLENE PIPE
PVC	POLYVINYL CHLORIDE PLASTIC PIPE
RCP	REINFORCED CONCRETE PIPE
VCP	VITRIFIED CLAY PIPE

	UTILITY CONTACTS				
UTILITY COMPANY	CONTACT NAME	TELEPHONE NUMBER	E-MAIL		
BLUFFDALE CITY P.W.	KEVIN THOMPSON	801-849-9434	kthompson@bluffdale.com		
LUMEN/CENTURYLINK	LARRY BUHLER	385-479-7357	larry.buhler@lumen.com		
DRAPER CITY PUBLIC WORKS	JASON HOBBS	385-246-7670	jason.hobbs@draperutah.gov		
FIRSTDIGITAL TELECOM	BRANDON BALMFORTH	801-456-1095	bbalmforth@firstdigital.com		
JORDAN VALLEY WATER C.D.	TROY TUCKER	801-557-6776	troyt@jvwcd.org		
VERIZON BUSINESS (MCI)	NATIONAL FIBER SECURITY	800-624-9675	investigations@verizon.com		
DOMINION ENERGY UTAH	SL MAPPING DEPARTMENT	801-324-3970	map.requests@dominionenergy.com		
ROCKY MOUNTAIN POWER	JOEL SIMMONS	503-813-6993			
SOUTH VALLEY SEWER DISTRICT	MATTHEW GARN	801-571-1166	matthewg@svsewer.com		
UDOT REGION II	GOLDEN HOLT	801-887-3403	r2permits@utah.gov		
UTOPIA FIBER	XIAOTONG WU	801-613-3854	xmu@utopianet.org		
WATER PRO IRRIGATION CO	STEVE CUNNINGHAM	801-571-2232	cunningham@waterpro.net		

UTILITY CONTACTS ARE LISTED AS A COURTESY AND MAY NOT BE UP TO DATE. CONTRACTOR SHALL ENSURE ALL APPROPRIATE UTILITY COORDINATION IS PERFORMED.

WARNING

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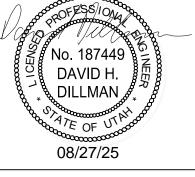
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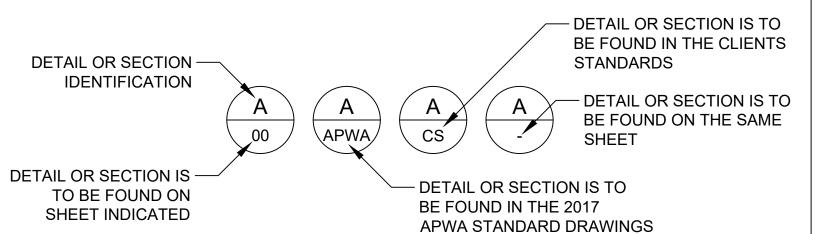
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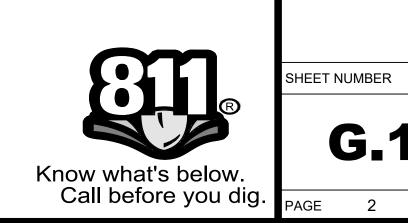
PROJECT TITLE

THE POINT **WATER LINES**

DETAIL REFERENCE DETAIL OR SECTION - IDENTIFICATION - DETAIL OR SECTION MAY BE TAKEN ON SEVERAL
DIFFERENT SHEETS Α TYŖ DETAIL OR SECTION IS - DETAIL OR SECTION MAY TAKEN ON THE SHEET INDICATED BE TAKEN ON SEVERAL DIFFERENT SHEETS IN TITLE



AS REFERENCE



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SHEET TITLE

LEGEND AND UTILITY CONTACTS

SHEET NUMBER

G.1.1

GENERAL NOTES

- ALL UTILITY LOCATIONS ARE APPROXIMATE. THE CONTRACTOR SHALL BE RESPONSIBLE FOR NOTIFYING BLUE STAKES FOR LOCATIONS OF ALL UTILITIES. CALL 1-800-662-4111 BEFORE YOU DIG.
- 2. THE CONTRACTOR SHALL PROTECT ALL EXISTING UTILITIES DURING CONSTRUCTION AND ENSURE THEY REMAIN IN PLACE AND OPERATIONAL (UNLESS OTHERWISE NOTED BY PROPERTY OWNER).
- THE CONTRACTOR IS RESPONSIBLE FOR PROVIDING AS-BUILT DRAWINGS. PRIOR TO FINAL PAYMENT.
- 4. IF EXISTING UTILITIES OR CULVERTS ARE DAMAGED DURING CONSTRUCTION. THE CONTRACTOR IS RESPONSIBLE TO REMOVE AND REPLACE THESE ITEMS.
- SAFE CONSTRUCTION PROCEDURES AND WORKING CLEARANCES ARE TO BE MAINTAINED AT ALL TIMES WHILE WORKING NEAR POWERLINES.
- THE CONTRACTOR IS TO PROTECT ALL MONUMENTS OR REPLACE IF DISTURBED.
- THE CONTRACTOR SHALL VERIFY ALL DIMENSIONS BEFORE STARTING WORK AND SHALL IMMEDIATELY NOTIFY THE ENGINEER OF ANY DISCREPANCIES.
- TRAFFIC CONTROL IS TO CONFORM WITH UDOT AND MUTCD STANDARDS.
- TRAFFIC CONTROL SHALL INCLUDE PROVISIONS FOR BIKES AND PEDESTRIANS.
- THE CONTRACTOR IS RESPONSIBLE TO NOTIFY EACH HOME OR BUSINESS THAT WILL BE IMPACTED AND COORDINATE WORK AS NECESSARY
- NO PRODUCTS WILL BE FURNISHED BY THE OWNER UNLESS SPECIFICALLY STATED OTHERWISE.
- 12. THE CONTRACTOR IS RESPONSIBLE FOR ALL REQUIRED WATER LINE TESTING AND NEEDED BLOW-OFFS.
- 13. RESTORE OR PRESERVE ALL EXISTING FENCES, ROAD, AND DITCHES UNLESS OTHERWISE STATED ON THE PLANS.
- 14. ALL CONSTRUCTION AND MATERIALS SHALL BE IN ACCORDANCE WITH THESE CONTRACT DOCUMENTS, THE MOST CURRENT EDITION OF UDOT STANDARD SPECIFICATIONS AND DRAWINGS, AND THE MOST CURRENT EDITION OF THE AMERICAN PUBLIC WORKS ASSOCIATION MANUAL OF STANDARD SPECIFICATION AND PLANS.
- 15. CONTRACTOR SHALL NOTIFY ENGINEER OF ALL UTILITY CONFLICTS UPON DISCOVERY.
- 16. ALL EXCAVATION, BACKFILLING, AND OTHER EARTHWORK OPERATIONS SHALL BE IN ACCORDANCE WITH THE PROJECT SPECIFICATIONS. STRUCTURAL FILL, BEDDING, IMPORTED BACKFILL, GRANULAR SUBBASE, AND BASE COURSE MATERIALS SHALL MEET THE REQUIREMENTS OUTLINED IN THE PROJECT SPECIFICATIONS.

CATHODIC PROTECTION TEST STATION GENERAL NOTES

5. FLUSH MOUNT TEST STATIONS SHALL BE PROVIDE WITH SUFFICIENT SLACK WIRE TO ALLOW EXTENSION OF TERMINAL BOARDS A MINIMUM OF 18-INCHES.

8. IN UNDEVELOPED OR CULTIVATED AREAS, BURY WIRES A MINIMUM OF 30-INCHES OR PLACE IN RIGID CONDUIT, SEE OFFSET TEST STATION DETAIL FOR

9. ALL TEST WIRE CONNECTIONS TO PIPE SHALL BE THERMITE WELDED CONNECTIONS, INDIVIDUAL WIRES SHALL BE CONNECTED TO PIPE WITH A MINIMUM

11. ALL WIRES UNDER ROADWAY MUST BE PROTECTED BY PVC COATED STEEL CONDUIT AS SHOWN IN DETAIL, SEAL ENDS OF PIPE DUCT COMPOUND OR

12. PROVIDE MONITORING PIPE WHERE TEST STATION OFFSET TO SIDE OF ROADWAY AS SHOWN IN THE DETAIL, INSTALLED MONITORING PIPE INSIDE A 3"

URETHANE FOAM, PROVIDE 2" CONDUIT FOR WIRES ONLY AND 3" CONDUIT FOR WIRES AND MONITORING PIPE, DO NOT CONNECT ROADWAY CONDUIT TO

2. PLACE CARSONITE MARKER WITH UTILITY NAME AND CONTACT NUMBER BY ALL FLUSH TEST STATIONS IN UNDEVELOPED AREAS.

4. PROVIDE WIRE LOOP AT BASE OF TEST STATION AND AT PIPE CONNECTIONS TO MINIMIZE SETTLEMENT STRESSES ON WIRE

17. (UDOT LIMITATIONS OF OPERATIONS: TO BE DEFINED AFTER UDOT REVIEW)

3. MARK POST MOUNT STYLE STATIONS WITH UTILITY APPROVED LABEL MARKER ON POST.

10. QUANTITY OF TERMINALS AND WIRING CONNECTIONS VARIES, SEE APPLICABLE TEST STATION TYPE.

6. USE STANDARD COLOR CODE AS SHOWN ON DETAILS AND AS FOLLOWS:

WATER UTILITY NOTES

- ALL CONSTRUCTION SHALL CONFORM TO DRAPER CITY STANDARDS. DFCM STANDARDS
- 2. CONTRACTOR SHALL VERIFY ELEVATIONS OF ALL PIPELINES AND VERIFY LOCATION PRIOR TO PROCEEDING WITH ANY BUILDING OR PIPELINE CONSTRUCTION. IF THE IN FIELD CONDITION VARIES FROM DESIGN, THE CONTRACTOR IS RESPONSIBLE FOR COSTS DUE TO CHANGES IN CONDITION. CITY MAPS ARE "BEST KNOWLEDGE" AND APPROXIMATE.
- 12 GAUGE THWN-2 JACKETED STRANDED COPPER WIRE SHALL BE TAPED TO ALL WATER LINES FOR LOCATING PURPOSES. 2 FEET OF ADDITIONAL WIRE SLACK IS REQUIRED IN ALL VALVE BOXES, VAULTS, MANHOLES, OR OTHER PIPE LINE APPURTENANCES.
- 4. ASPHALT REPLACED IS TO MATCH EXISTING PAVEMENT DEPTHS WITH A 6" OVER CUT FROM EDGE OF THE EXCAVATION OR ON EACH SIDE OF THE EXCAVATION.
- ANY CHANGES MADE IN THE FIELD MUST BE FIRST APPROVED AND DOCUMENTED BY THE PROJECT REPRESENTATIVE.
- RAISE ALL UTILITIES, SUCH AS MANHOLES, METER SETTERS, FIRE HYDRANTS, WATER VALVE LIDS, ETC. TO ROADWAY OR PROJECT FINISHED GRADE AS MAY BE APPLICABLE.
- 7. DI = CLASS 52 DUCTILE IRON PIPE.
- TRENCH EXCAVATION SHALL COMPLY WITH THE MOST CURRENT OCCUPATIONAL SAFETY AND HEALTH ADMINISTRATIVE STANDARDS. TRENCH BACKFILL SHOULD BE PLACED IN 4 TO 6 INCH LIFTS IF HAND COMPACTED OR NO MORE THAN 8 INCH LIFTS IF POWER COMPACTED.
- LIMIT THE LENGTH OF OPEN TRENCH TO 500 FEET IN ADVANCE OF PIPE LAYING. COMPLETE BACKFILLING AND INSTALLATION AND COMPACTION OF AGGREGATE BASE COURSE NOT MORE THAN 500 FEET IN THE REAR OF PIPE LAYING. CLOSE TRENCHES DURING NIGHTTIME CONDITIONS THROUGH THE USE OF BACKFILL, TRENCH PLATES, BARRICADES AND/OR OTHER APPROVED PROTECTION METHODS.
- 10. VBIO POLYETHYLENE ENCASEMENT (POLYWRAP) OF DI PIPE IS REQUIRED PER AWWA C105.
- 11. ALL DUCTILE IRON PIPE JOINTS AND FITTINGS SHALL BE FULLY RESTRAINED.
- 12. ALL DUCTILE IRON PIPE SHALL BE WRAPPED WITHIN A VBIO POLYETHYLENE ENCASEMENT (POLYWRAP).
- 13. ALL NUTS, BOLTS, AND WASHERS FOR ALL DUCTILE IRON FITTINGS, BENDS, ELBOWS, AND CAPS SHALL BE PRIMED AND WAX TAPED PRIOR TO INSTALLATION OF THE V-BIO POLYETHYLENE ENCASEMENT (POLYWRAP) ACCORDING TO DRAPER CITY STANDARDS.
- 14. ALL DUCTILE IRON FITTINGS, BENDS, ELBOWS, AND CAPS INCLUDING NUTS, BOLTS, AND WASHERS INCORPORATED WITHIN THE DR-14 C900 PVC CULINARY WATER SYSTEM SHALL BE PRIMED AND WAX TAPED. ALL FITTINGS, BENDS, ELBOWS, AND CAPS SHALL BE ENCLOSED WITHIN A V-BIO POLYETHYLENE ENCASEMENT (POLYWRAP) ACCORDING TO DRAPER CITY STANDARDS.
- 15. ALL DR-14 C900 PVC JOINT RESTRAINTS SHALL BE PRIMED AND WAX TAPED AND ENCLOSED WITHIN A V-BIO POLYETHYLENE ENCASEMENT (POLYWRAP), FOR JOINT RESTRAINT REQUIREMENTS, SEE DRAWING SPECIFICATIONS.
- 16. FOR FIRE HYDRANTS AND VALVES, ALL NUTS, BOLTS, AND WASHERS SHALL BE PRIMED AND WAX TAPED AND ENCLOSED WITHIN A V-BIO POLYETHYLENE ENCASEMENT (POLYWRAP).
- 17. ALL PIPE JOINTS TO REMAIN ACCESSIBLE. DO NOT POUR THRUST BLOCKS AROUND JOINTS.

WATER LINE PIPE LEGEND			
PIPE SIZE	WORKING PRESSURE	TEST PRESSURE	
16"	133 PSI	200 PSI	
24"	133 PSI	200 PSI	
30"	133 PSI	200 PSI	

ELECTRICAL CONTINUITY

- 1. ALL BURIED OR VAULT JOINTS SHALL BE BONDED FOR ELECTRICAL CONTINUITY.
- MAXIMUM LENGTH OF ANY SINGLE JOINT BOND WIRE IS 18". SEE DETAIL 507, SHEET D.1.4 FOR JOINT BONDS. FLEXIBLE COUPLINGS, FLANGE COUPLING ADAPTERS, OR DEPEND-O-LOC JOINTS SHALL BE BONDED SIMILAR TO FLEXIBLE JOINT.
- 4. DUCTILE IRON PIPE JOINTS SHALL BE BONDED.
- 5. BURIED OR VAULT FLANGE JOINTS SHALL BE BONDED.

ELECTRICAL ISOLATION

- PROVIDE INSULATING JOINTS IN PIPELINE WHERE INDICATED ON THE DRAWINGS.
- TEST ALL INSULATING JOINTS FOR ELECTRICAL ISOLATION AS SPECIFIED.
- PROVIDE DC BLOCKING DEVICES AND INSULATING UNION IN ELECTRICAL CONDUITS ON ALL MOTOR OPERATED VALVES.
- 4. ALL MISCELLANEOUS PIPING AND ELECTRICAL CONDUITS TO BE ELECTRICALLY ISOLATED FROM CATHODICALLY PROTECTED PIPES.

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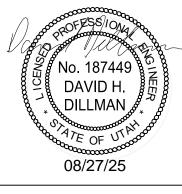
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PROJECT TITLE

THE POINT **WATER LINES**

SSUE TYPE: 100% CD

SSUE DATE: FEB 2025 FCM PROJ No. 25406300

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SHEET TITLE

GENERAL NOTES

SHEET NUMBER

Know what's below. Call before you dig.

CONTRACTOR SHALL COORDINATE AC POWER SERVICE WITH LOCAL ELECTRICAL UTILITY.

IMPRESSED CURRENT CATHODIC PROTECTION

- CONTRACTOR TO PROVIDE ALL EXCAVATION, BACKFILL, CONDUIT AND PULL STRING FOR UNDERGROUND AC POWER SERVICE TO METER PEDESTAL, UTILITY TO
- PROVIDE AND INSTALL CONDUCTORS, SPLICES, AND CONNECTIONS TO METER BASE PER UTILITY STANDARD SERVICE INSTALLATION.
- DRILLING MUD, WATER AND CUTTINGS SHALL BE FULL CONTAINED ON THE PROJECT SITE AND SHALL NOT BE PERMITTED TO FLOW OVER THE GROUND SURFACE. ANY SPILLAGE OR LEAKAGE OF DRILLING MUD AND CUTTINGS SHALL BE REMOVED AND DISPOSED OF BY THE CONTRACTOR AND THE SITE RESTORED TO ORIGINAL CONDITION.
- 4. CONCRETE WORK SHALL BE OF THE HIGHEST QUALITY, FORMS SHALL BE SET LEVEL AND SQUARE, CONCRETE FINISH SHALL BE TROWEL SURFACE AND RADIUS EDGES.
- ALL FORM WORK SHALL BE REMOVED FROM THE CONCRETE AFTER CURING IS COMPLETED.

1. USE POST MOUNT STYLE UNLESS OTHERWISE SPECIFIED.

7. ALL TEST WIRES WIRES TO BE INSTALLED SPLICE FREE.

WHITE - DRAPER CITY LINE

BLUE - FOREIGN WATER LINE

GREEN - CORROSION COUPONS

PVC COATED RIGID STEEL CONDUIT.

RED - FOREIGN GAS LINE

CONDUIT REQUIREMENTS.

OF 6-INCHES SEPARATION.

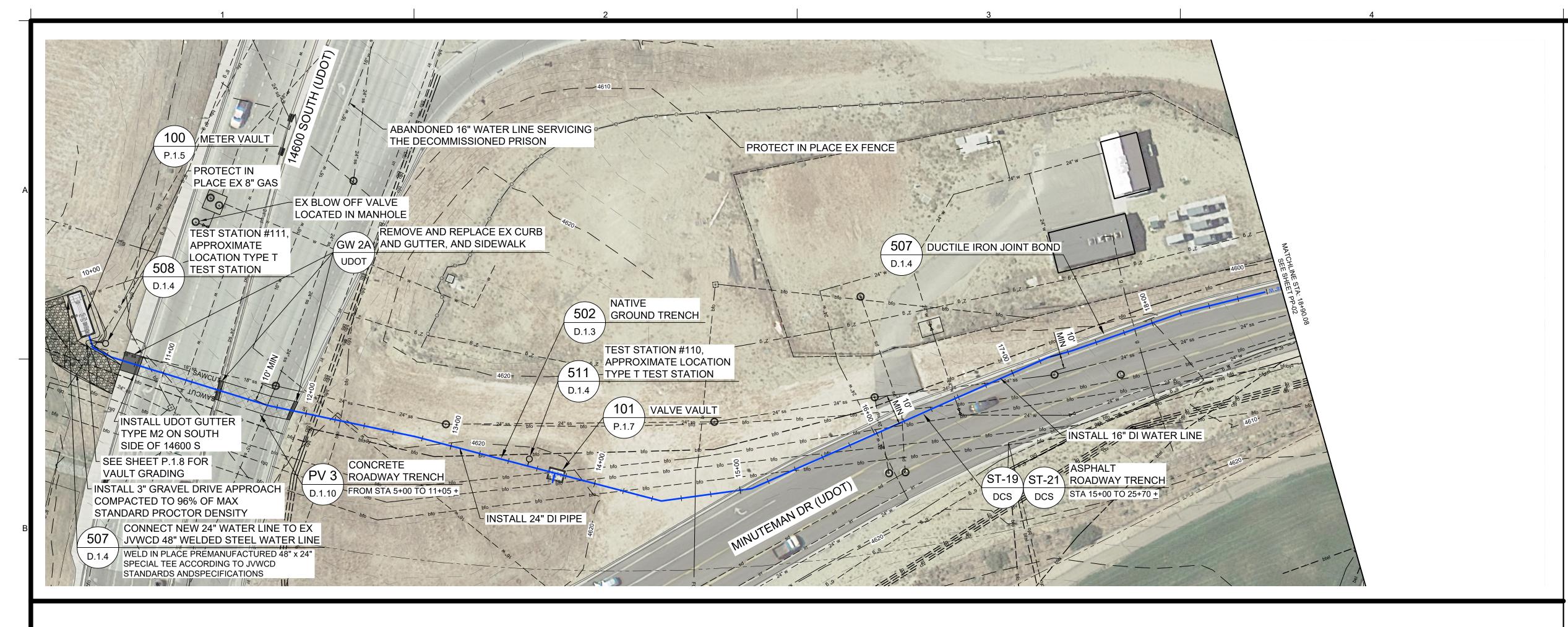
TEST STATION CONDUIT.

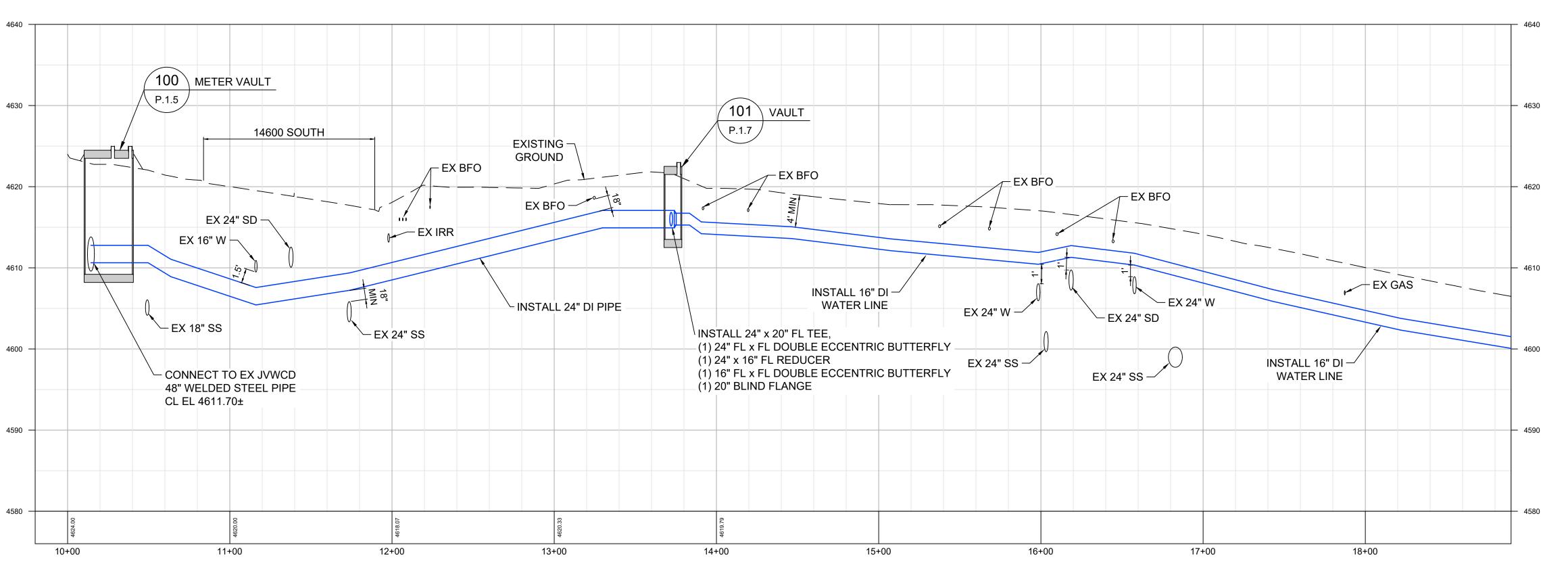
ORANGE - CASING

YELLOW - REFERENCE ELECTRODE

- RECTIFIER SHALL BE ORIENTED AS SHOWN ON THE PLANS, ADJUSTMENT IN THE LOCATION AND ORIENTATION OF THE RECTIFIERS AND VENT PIPES SHALL BE APPROVED BY THE ENGINEER.









<u>SCALE</u> HORIZONTAL: 1" = 40' VERTICAL: 1" = 8'

NOTES:

- CONTRACTOR TO FIELD VERIFY THE LOCATION OF THE ABANDONED 16" WATER LINE.
- 2. IF THE ABANDONED 16" WATER LINE CONFLICTS WITH THE NEW 24" WATER LINE, THEN UPON APPROVAL OF THE ENGINEER THE CONTRACTOR MAY CUT, CAP AND ABANDON THE EXISTING 16" WATER LINE.
- CONTRACTOR IS RESPONSIBLE FOR REPAIRING ALL PARK STRIPS AND SHOULDERS TO MATCH DESIGN GRADES AND REPAIR TO BETTER THAN OR EQUAL TO EXISTING CONDITIONS.
- 4. REPLACE ALL ROAD STRIPING AND PAVEMENT MARKINGS TO MATCH EXISTING PRE-CONSTRUCTION CONDITIONS.
- 5. THE 16" DI PIPE SHALL BE ELECTRICALLY CONTINUOUS, SEE DETAILS ON SHEET D.1.4. IT SHALL BE ELECTRICALLY ISOLATED FROM THE 48" JVWCD PIPE.
- 6. JOINT BONDS REQUIRED AT EACH JOINT ALONG THE PIPELINE. SEE DETAIL 507 ON SHEET D.1.4 AND SPECIFICATION 26 42 15 2.04.

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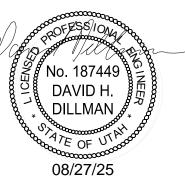
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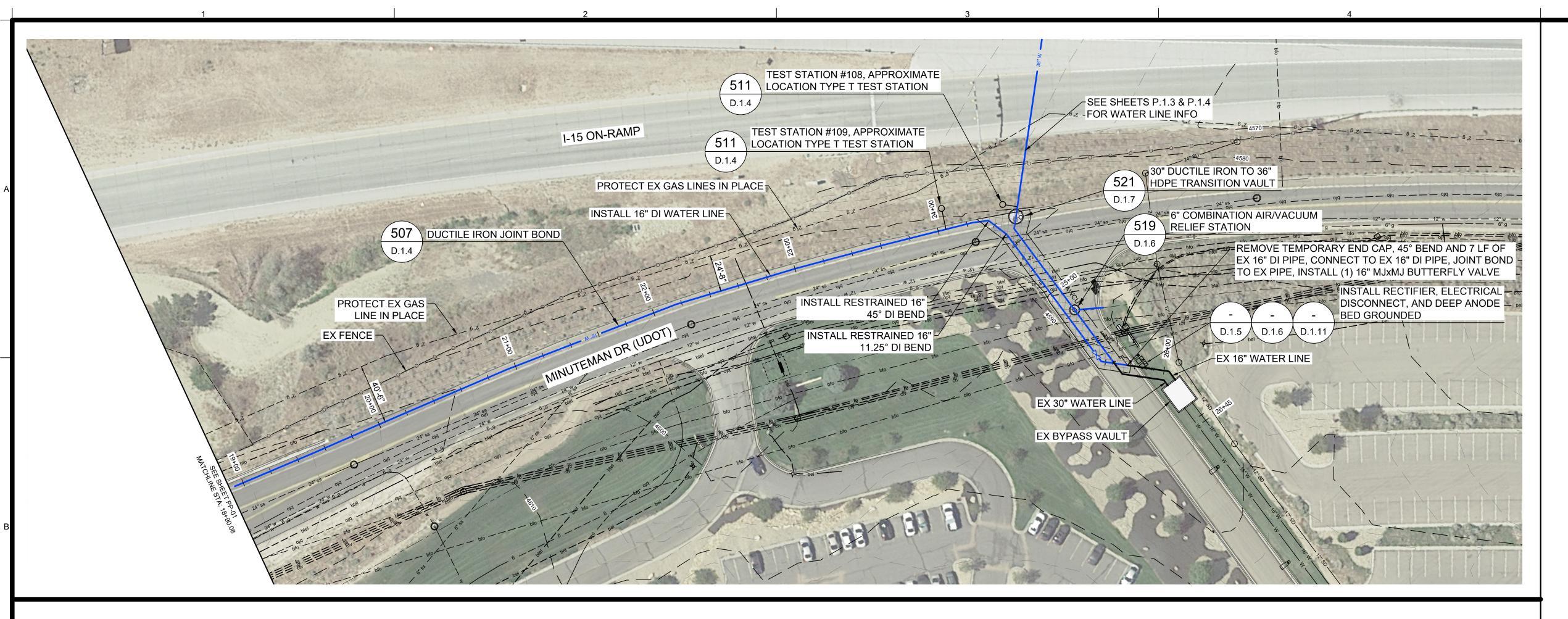
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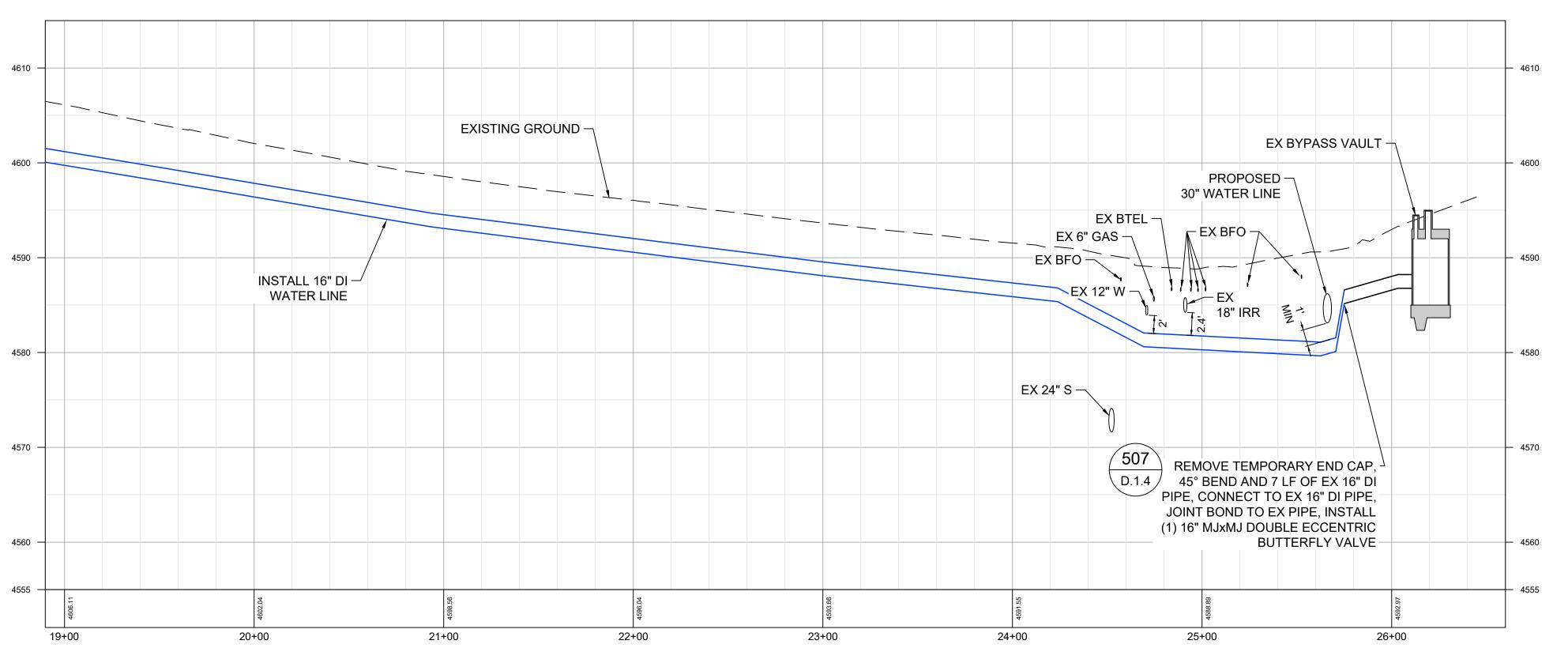
SHEET TITLE

PLAN AND PROFILE -16IN WATER LINE

SHEET NUMBER

Know what's below.
Call before you dig.







HORIZONTAL: 1" = 40' VERTICAL: 1" = 8'

NOTES:

- CONTRACTOR TO FIELD VERIFY THE LOCATION OF THE ABANDONED 16" WATER LINE.
- 2. IF THE ABANDONED 16" WATER LINE CONFLICTS WITH THE NEW 16" WATER LINE, THEN UPON APPROVAL OF THE ENGINEER THE CONTRACTOR MAY CUT, CAP AND ABANDON THE EXISTING 16" WATER LINE.
- CONTRACTOR IS RESPONSIBLE FOR REPAIRING ALL PARK STRIPS AND SHOULDERS TO MATCH DESIGN GRADES AND REPAIR TO BETTER THAN OR EQUAL TO EXISTING CONDITIONS.
- 4. REPLACE ALL ROAD STRIPING AND PAVEMENT MARKINGS TO MATCH EXISTING PRE-CONSTRUCTION CONDITIONS.
- 5. THE 16" DI PIPE SHALL BE ELECTRICALLY CONTINUOUS, SEE DETAILS ON SHEET D.1.4. IT SHALL BE ELECTRICALLY ISOLATED FROM THE 48" JVWCD PIPE.
- 6. JOINT BONDS REQUIRED AT EACH JOINT ALONG THE PIPELINE. SEE DETAIL 507 ON SHEET D.1.4 AND SPECIFICATION 26 42 15 2.04.

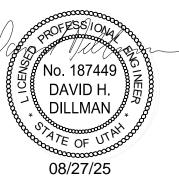
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PROJECT TITLE

THE POINT **WATER LINES**

ISSUE TYPE: 100% CD FEB 2025 ISSUE DATE:

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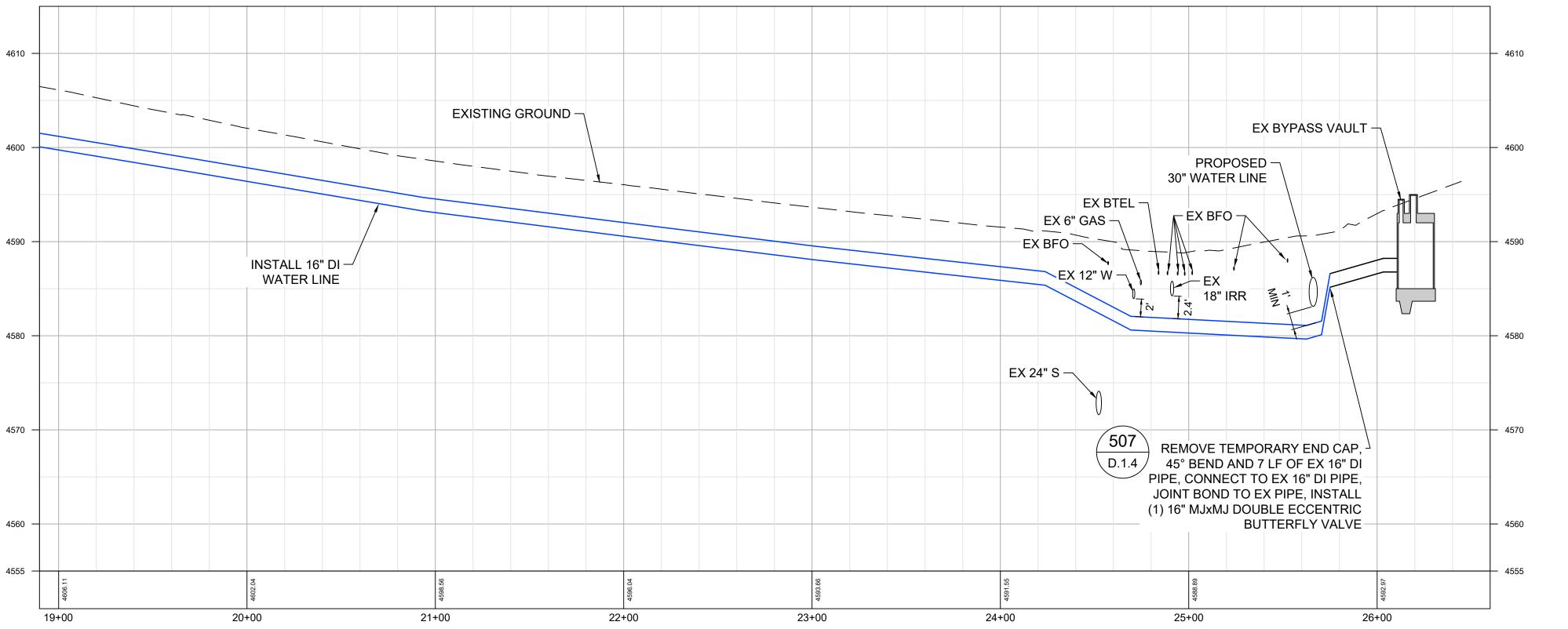
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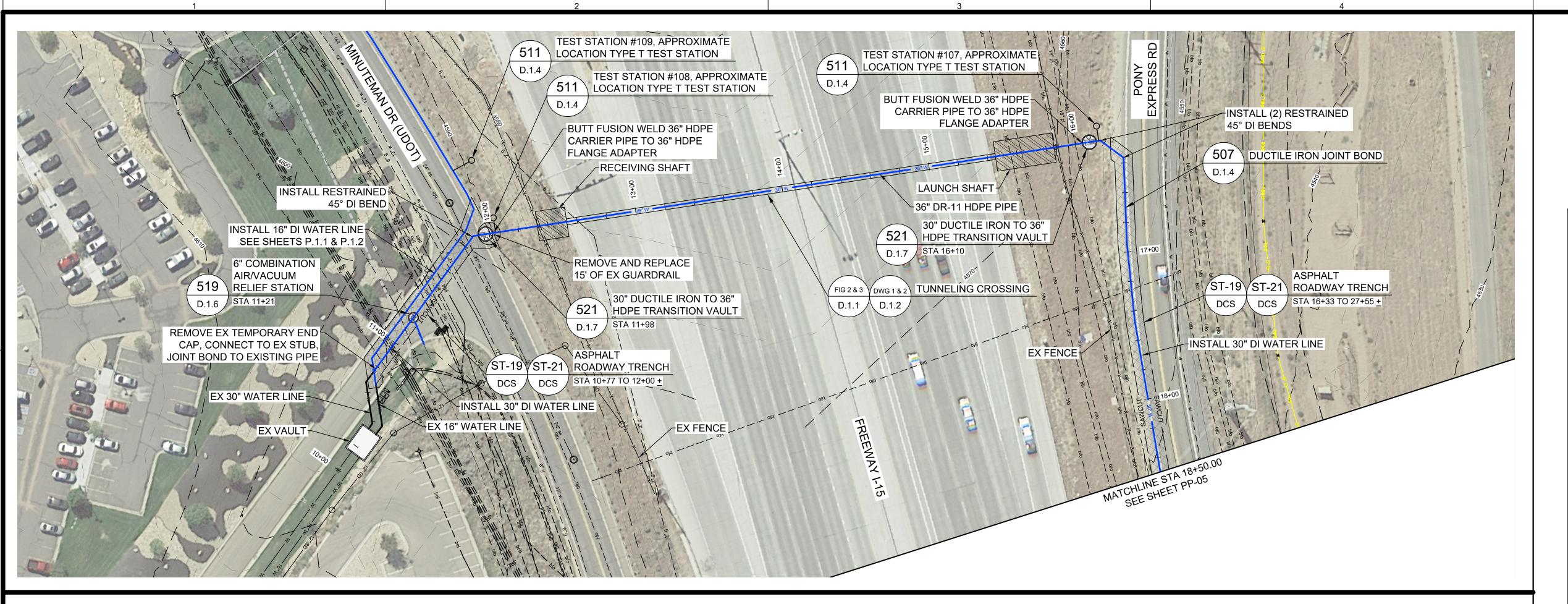
PLAN AND PROFILE -16IN WATER LINE

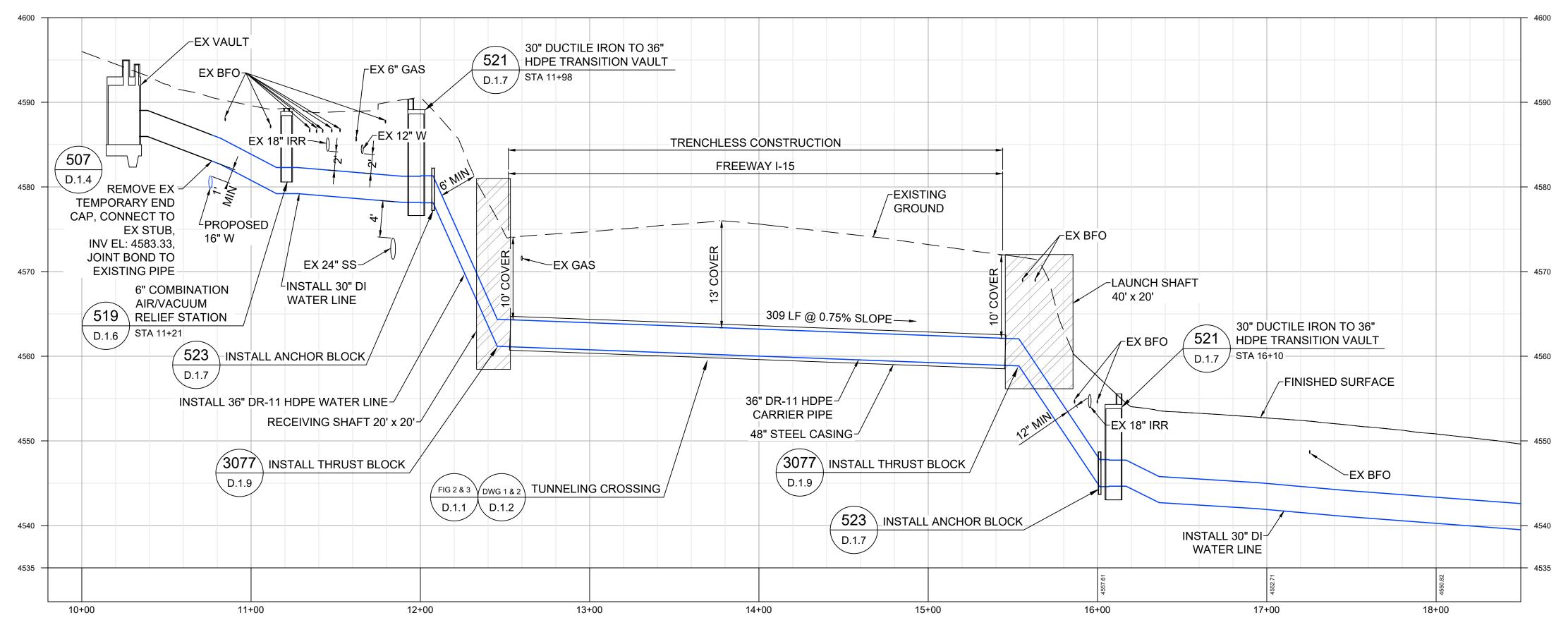
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P.1.2









<u>SCALE</u> HORIZONTAL: 1" = 40' VERTICAL: 1" = 8'

NOTES:

- CONTRACTOR SHALL RELOCATE OR SUPPORT EXISTING INFRASTRUCTURE THAT INTERSECTS THE LAUNCH AND RECEIVING SHAFTS AS NECESSARY WITHOUT DAMAGE TO THE UTILITY.
- BASELINE GROUND CONDITIONS ARE PROVIDED IN THE GEOTECHNICAL BASELINE REPORT (GBR).
- 3. ALLOWABLE TUNNEL MEANS AND METHODS ARE PROVIDED IN THE GBR AND THE SPECIFICATIONS. THE CONTRACTOR IS RESPONSIBLE FOR SELECTING MEANS AND METHODS THAT THEY ARE EQUIPPED TO PERFORM AND FULFILLING THE REQUIREMENTS OF THE CONTRACT DOCUMENTS.
- 4. TUNNEL CONTRACTOR IS RESPONSIBLE FOR ADHERING TO ALL UDOT REGULATIONS WITHIN THE INTERSTATE 15 ROW.
- 5. REFERENCE TUNNEL DETAILS ON SHEET NUMBER D.1.2 FOR ADDITIONAL DETAILS ON TUNNEL INSTALLATION.
- REFERENCE INSTRUMENTATION AND MONITORING DETAILS ON SHEET NUMBER D.1.1 FOR ADDITIONAL DETAILS ON MONITORING DURING TUNNEL INSTALLATION.
- CONTRACTOR TO CONFORM TO GEOTECHNICAL RECOMMENDATIONS MADE IN LITHOS ENGINEERING GEOTECHNICAL BASELINE REPORT.
- 8. THE 30" DI PIPE SHALL BE ELECTRICALLY CONTINUOUS, SEE DETAILS ON SHEET D.1.4. IT SHALL BE ELECTRONICALLY ISOLATED FROM THE 48" CASING.
- 9. JOINT BONDS REQUIRED AT EACH JOINT ALONG THE PIPELINE. SEE DETAIL 507 ON SHEET D.1.4 AND SPECIFICATION 26 42 15 2.04.
- 10. 48" STEEL CASING PIPE TO HAVE A MINIMUM 5/8" (0.625) WALL THICKNESS.
- 11. STEEL PIPE MATERIAL TO CONFORM TO ASTM A 252 GRADE 2 STEEL AND BE MANUFACTURED SPECIFICALLY FOR JACKING. WELDS TO CONFORM TO ANSI/AWS D1.1.

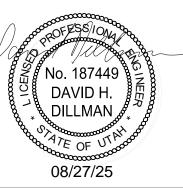
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PROJECT TITLE

THE POINT **WATER LINES**

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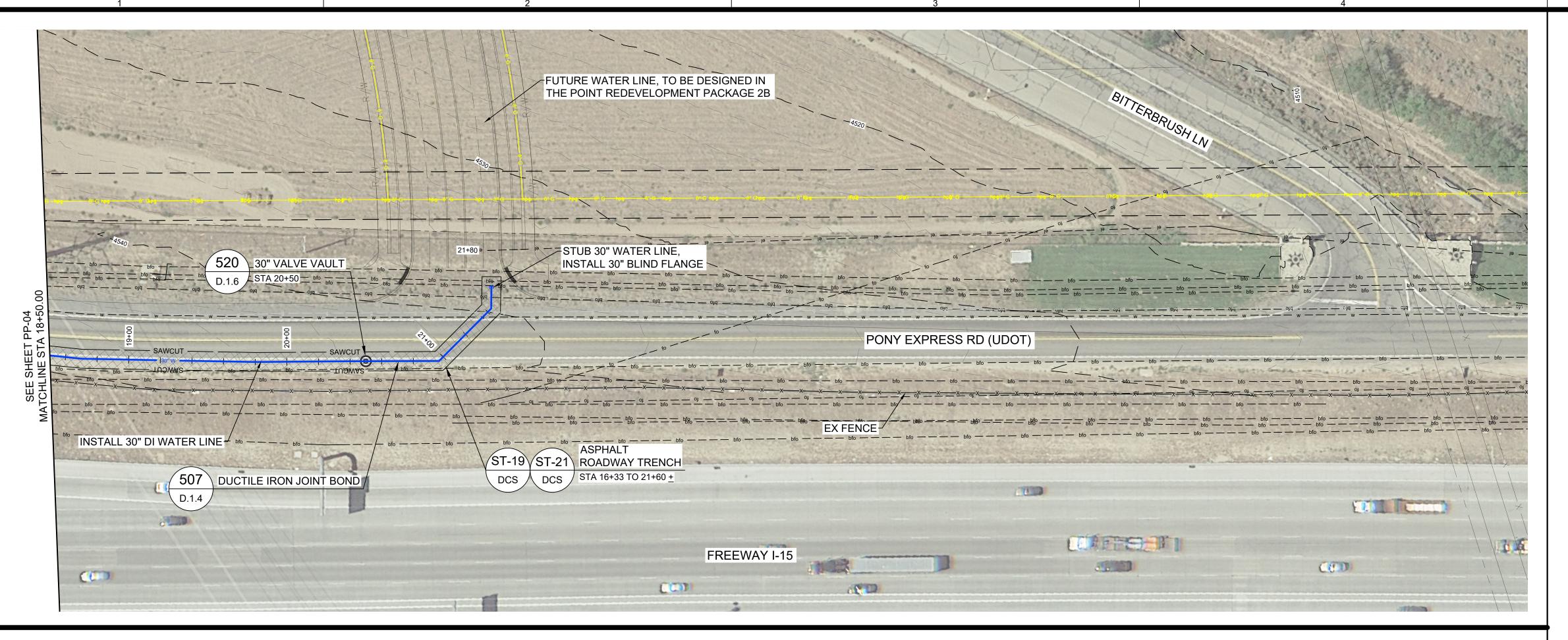
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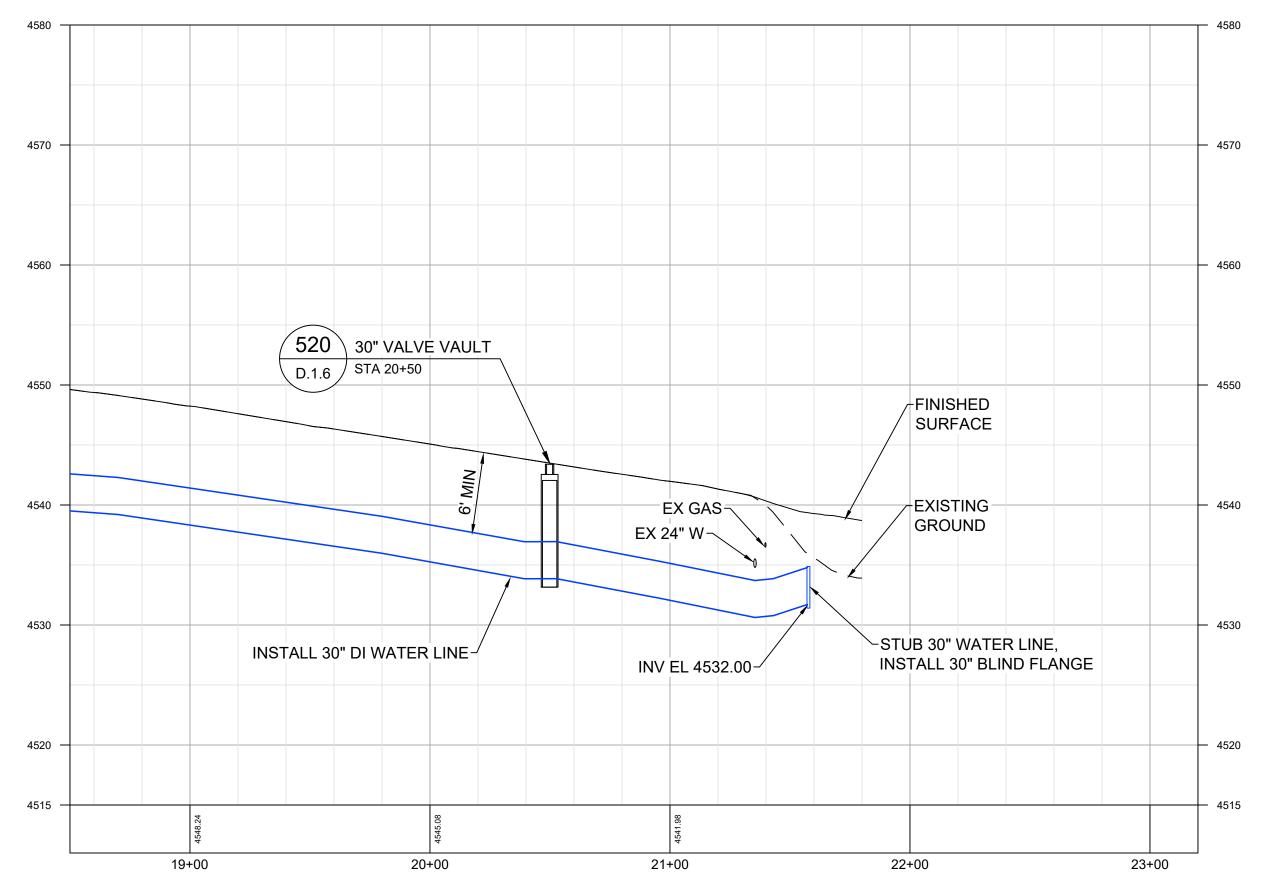
PLAN AND PROFILE -30IN WATER LINE

SHEET NUMBER

P.1.3

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HORIZONTAL: 1" = 40' VERTICAL: 1" = 8'

NOTES:

- CONTRACTOR TO FIELD VERIFY THE LOCATION OF THE ABANDONED 16" WATER LINE.
- 2. IF THE ABANDONED 16" WATER LINE CONFLICTS WITH THE NEW 16" WATER LINE, THEN UPON APPROVAL OF THE ENGINEER THE CONTRACTOR MAY CUT, CAP AND ABANDON THE EXISTING 16" WATER LINE.
- CONTRACTOR IS RESPONSIBLE FOR REPAIRING ALL PARK STRIPS AND SHOULDERS TO MATCH DESIGN GRADES AND REPAIR TO BETTER THAN OR EQUAL TO EXISTING CONDITIONS.
- 4. REPLACE ALL ROAD STRIPING AND PAVEMENT MARKINGS TO MATCH EXISTING PRE-CONSTRUCTION CONDITIONS.
- 5. THE 16" DI PIPE SHALL BE ELECTRICALLY CONTINUOUS, SEE DETAILS ON SHEET D.1.4. IT SHALL BE ELECTRICALLY ISOLATED FROM THE 48" JVWCD PIPE.
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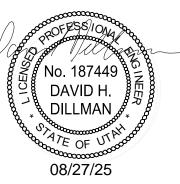
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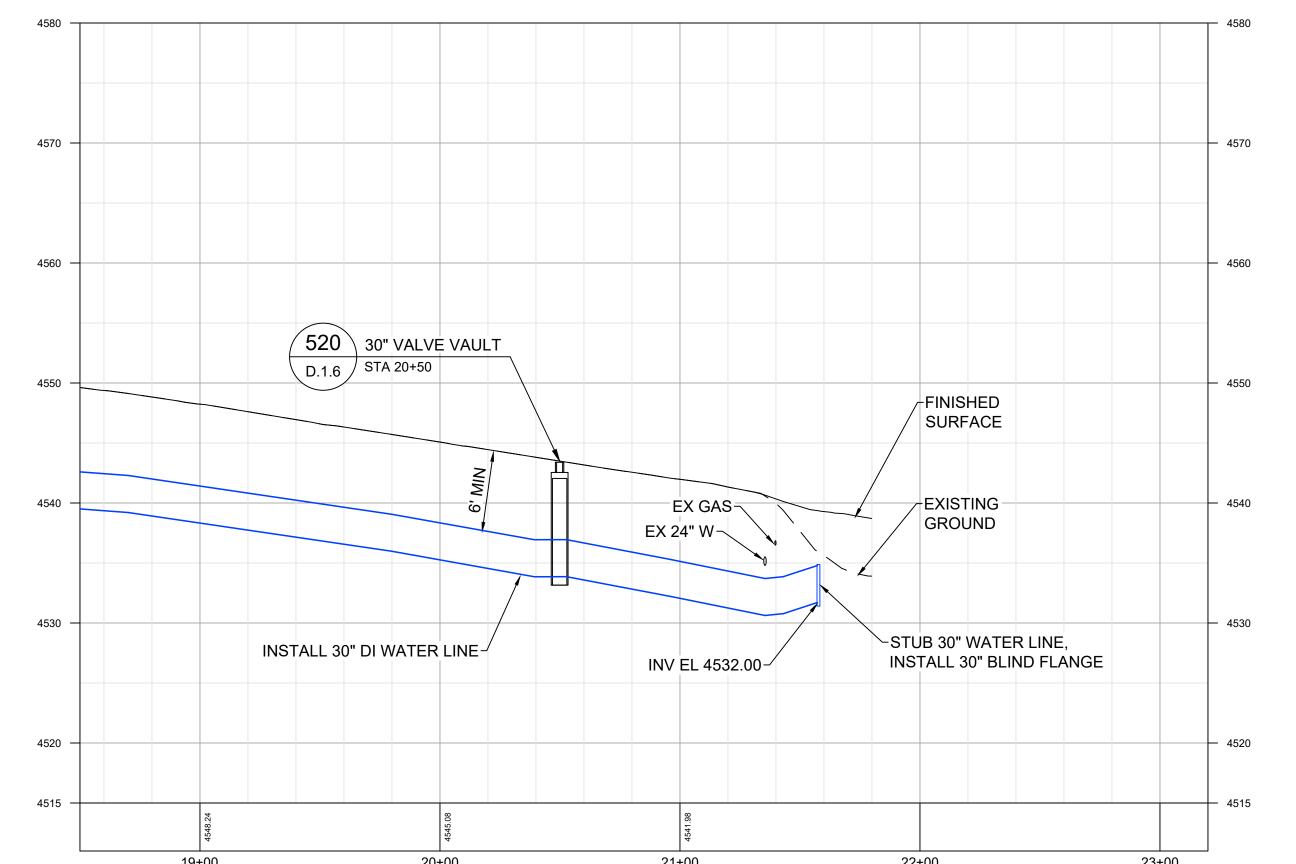
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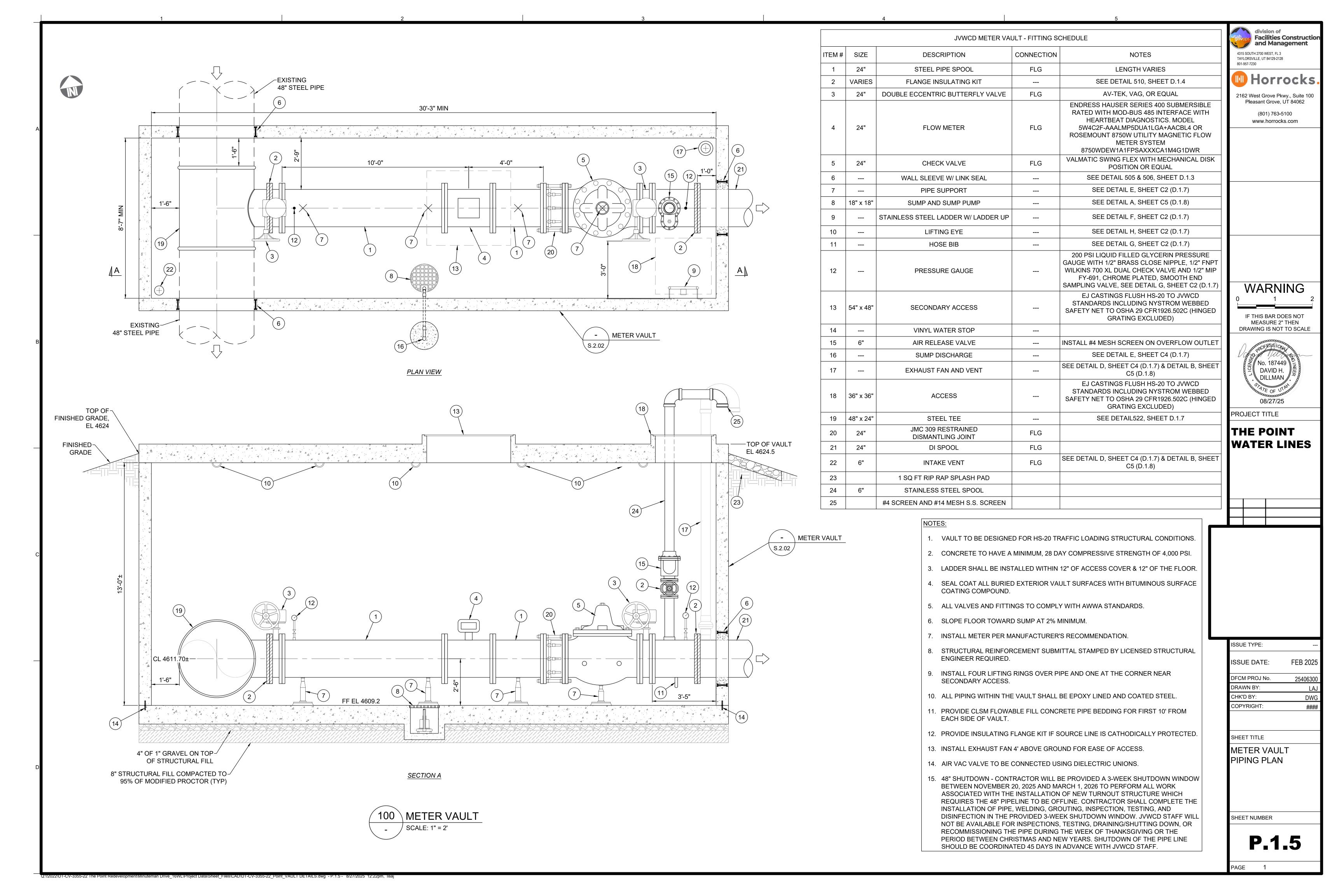
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PLAN AND PROFILE 30IN WATER LINE

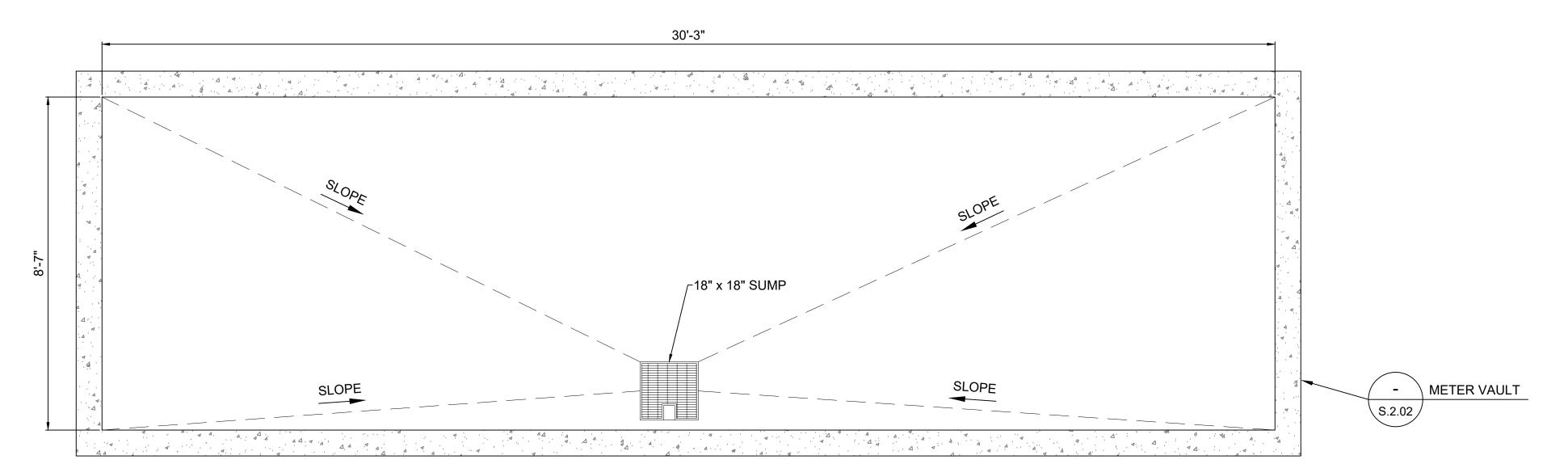
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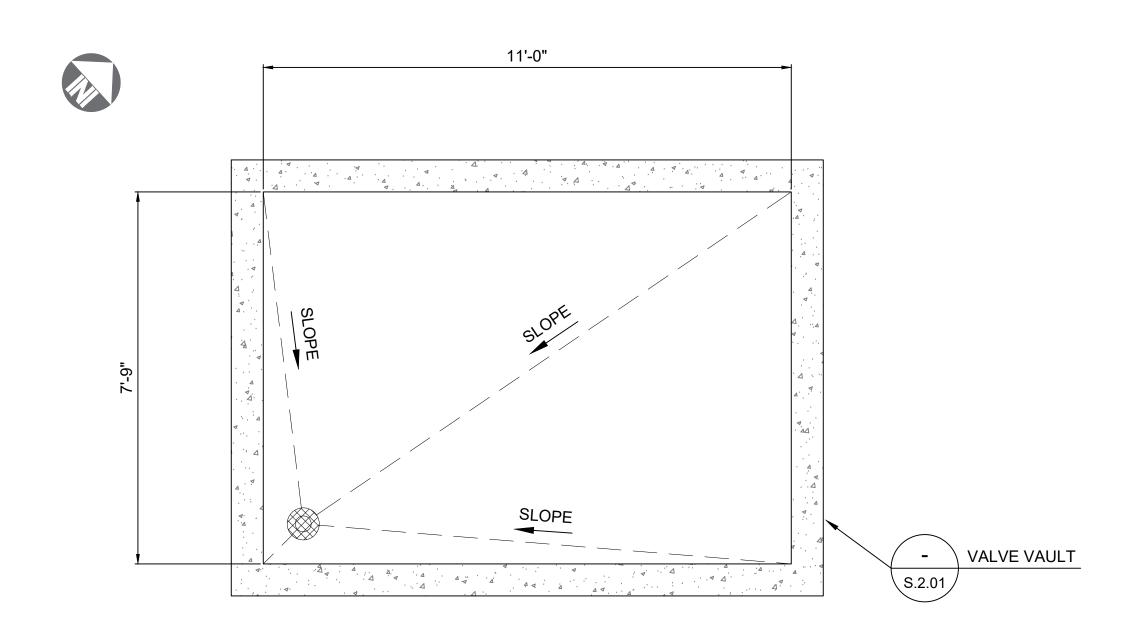








METER VAULT FLOOR PLAN



VALVE VAULT FLOOR PLAN

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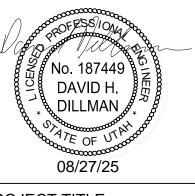
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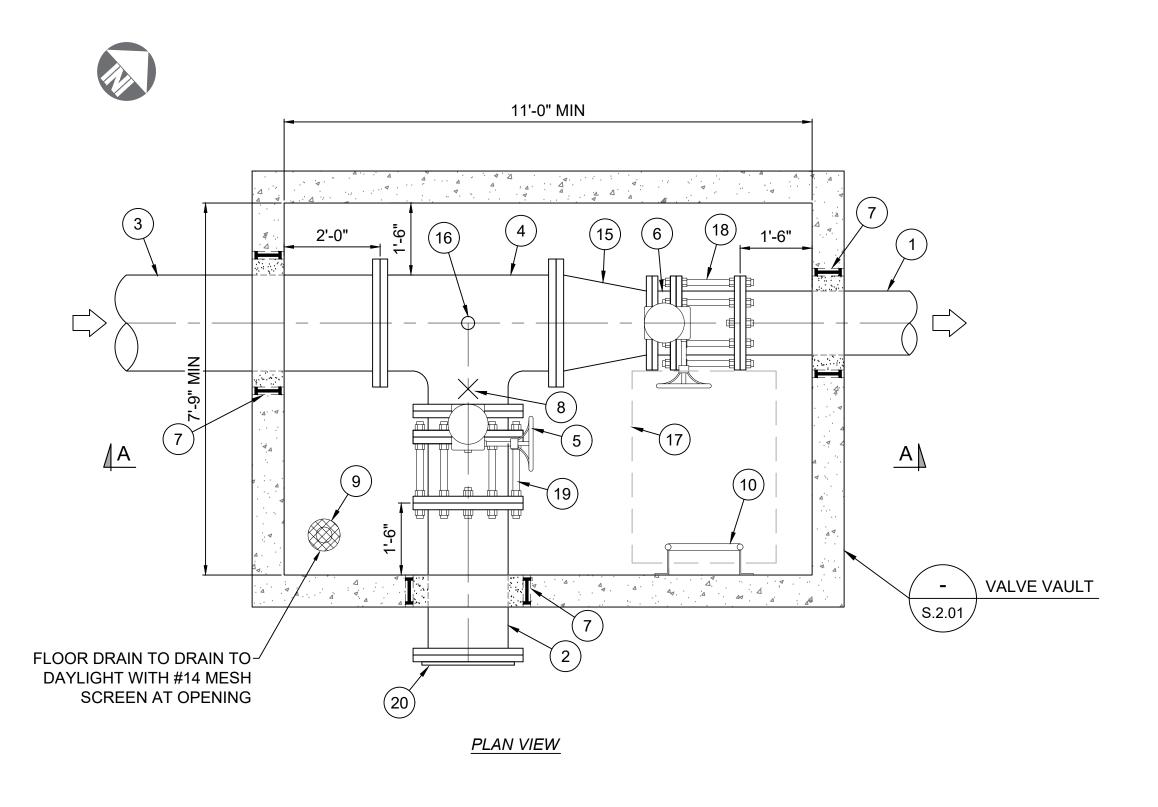
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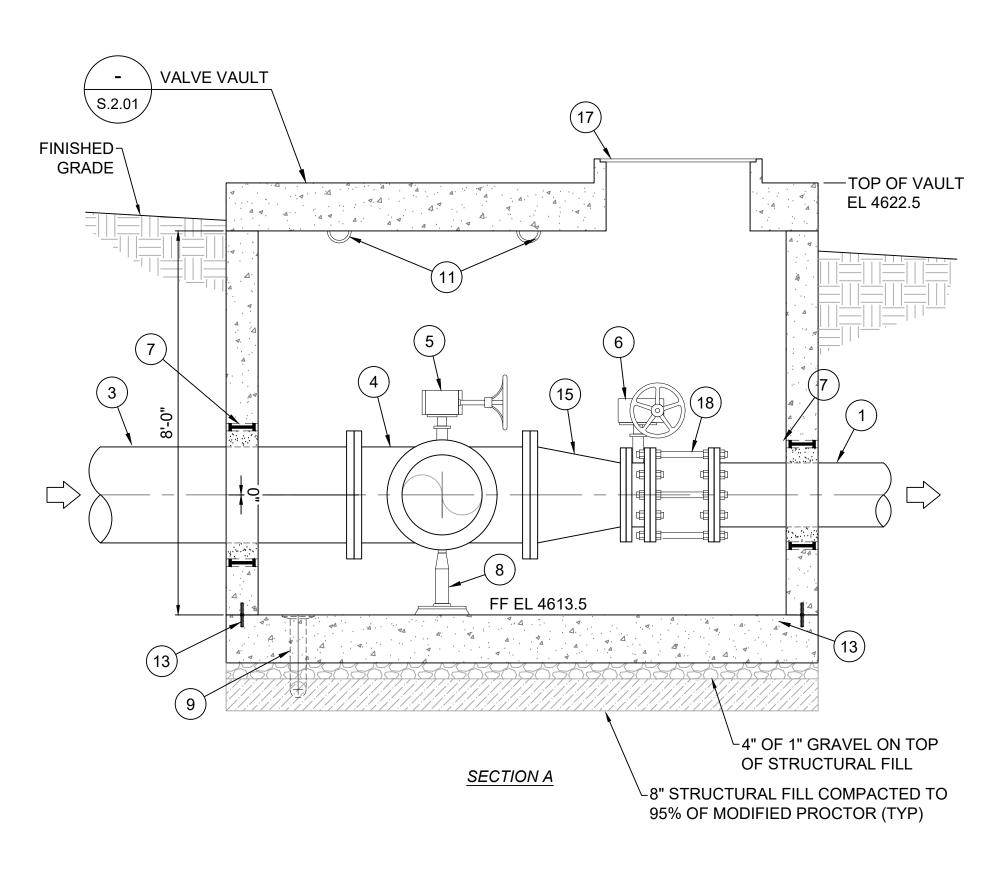
VAULTS FLOORING PLANS

SHEET NUMBER

P.1.6

PAGE 1





101	VAULT
-	SCALE: 1" = 2'

		VALVE VAULT - F	TITTING SCHEDU	LE
ITEM#	SIZE	DESCRIPTION	CONNECTION	NOTES
1	16"	DI SPOOL	FLG	LENGTH VARIES
2	20"	DI SPOOL	FLG	LENGTH VARIES
3	24"	DI SPOOL	FLG	LENGTH VARIES
4	24" x 20"	DI TEE	FLG	
5	20"	DOUBLE ECCENTRIC BUTTERFLY VALVE	FLG	
6	16"	DOUBLE ECCENTRIC BUTTERFLY VALVE	FLG	
7		WALL SLEEVE W/ LINK SEAL		SEE DETAIL 505, SHEET D.1.3
8		PIPE SUPPORT		SEE DETAIL E, SHEET C2 (D.1.7)
9	4"	FLOOR DRAIN		SEE DETAIL 107, SHEET D.1.3
10		STAINLESS STEEL LADDER W/ LADDER UP		SEE DETAIL F, SHEET C2 (D.1.7)
11		LIFTING EYE		SEE DETAIL H, SHEET C2 (D.1.7)
12		HOSE BIB		SEE DETAIL G, SHEET C2 (D.1.7)
13		VINYL WATER STOP		
14				
15	24" x 16"	REDUCER	FLG	
16		3" COMBO AIR RELEASE AND VACUUM VALVE		SEE DETAIL 108, SHEET D.1.3
17	48" x 36"	ACCESS		EJ CASTINGS FLUSH HS-20 TO JVWCD STANDARDS INCLUDING NYSTROM WEBBED SAFETY NET TO OSHA 29 CFR1926.502C (HINGEI GRATING EXCLUDED)
18	16"	DISMANTLING JOINT	FLG	
19	20"	DISMANTLING JOINT	FLG	
20	20"	BLIND FLANGE	FLG	

OTES:

- 1. VAULT TO BE DESIGNED FOR HS-20 TRAFFIC LOADING STRUCTURAL CONDITIONS.
- 2. CONCRETE TO HAVE A MINIMUM, 28 DAY COMPRESSIVE STRENGTH OF 4,000 PSI.
- 3. LADDER SHALL BE INSTALLED WITHIN 12" OF ACCESS COVER & 12" OF THE FLOOR.
- 4. SEAL COAT ALL BURIED EXTERIOR VAULT SURFACES WITH BITUMINOUS SURFACE COATING COMPOUND.
- 5. ALL VALVES AND FITTINGS TO COMPLY WITH AWWA STANDARDS.
- 6. SLOPE FLOOR TOWARD SUMP AT 2% MINIMUM.
- 7. STRUCTURAL REINFORCEMENT SUBMITTAL STAMPED BY LICENSED STRUCTURAL ENGINEER REQUIRED.
- 8. ALL PIPING WITHIN THE VAULT SHALL BE EPOXY COATED.
- 9. PROVIDE CLSM FLOWABLE FILL CONCRETE PIPE BEDDING FOR FIRST 10' FROM EACH SIDE OF VAULT.
- 10. ALL FLANGED JOINTS SHALL BE ELECTRICALLY CONTINUOUS. SEE DETAIL 507, SHEET D 1.4

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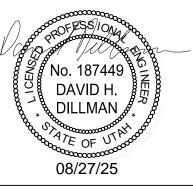
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SHEET TITLE

VALVE VAULT PIPING PLAN

SHEET NUMBER

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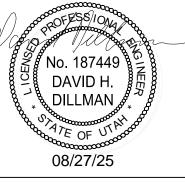


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METER VAULT GRADING

SHEET NUMBER

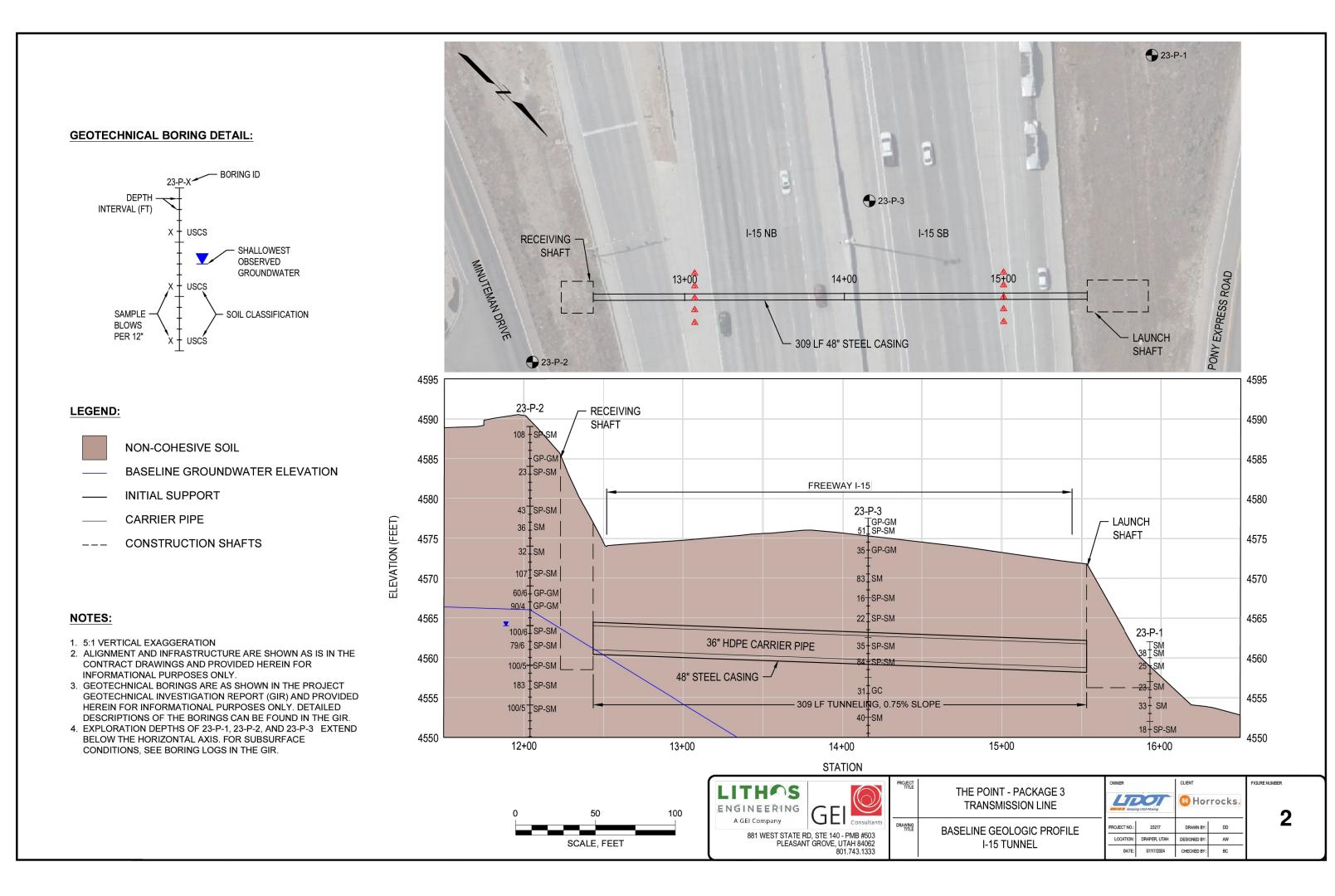
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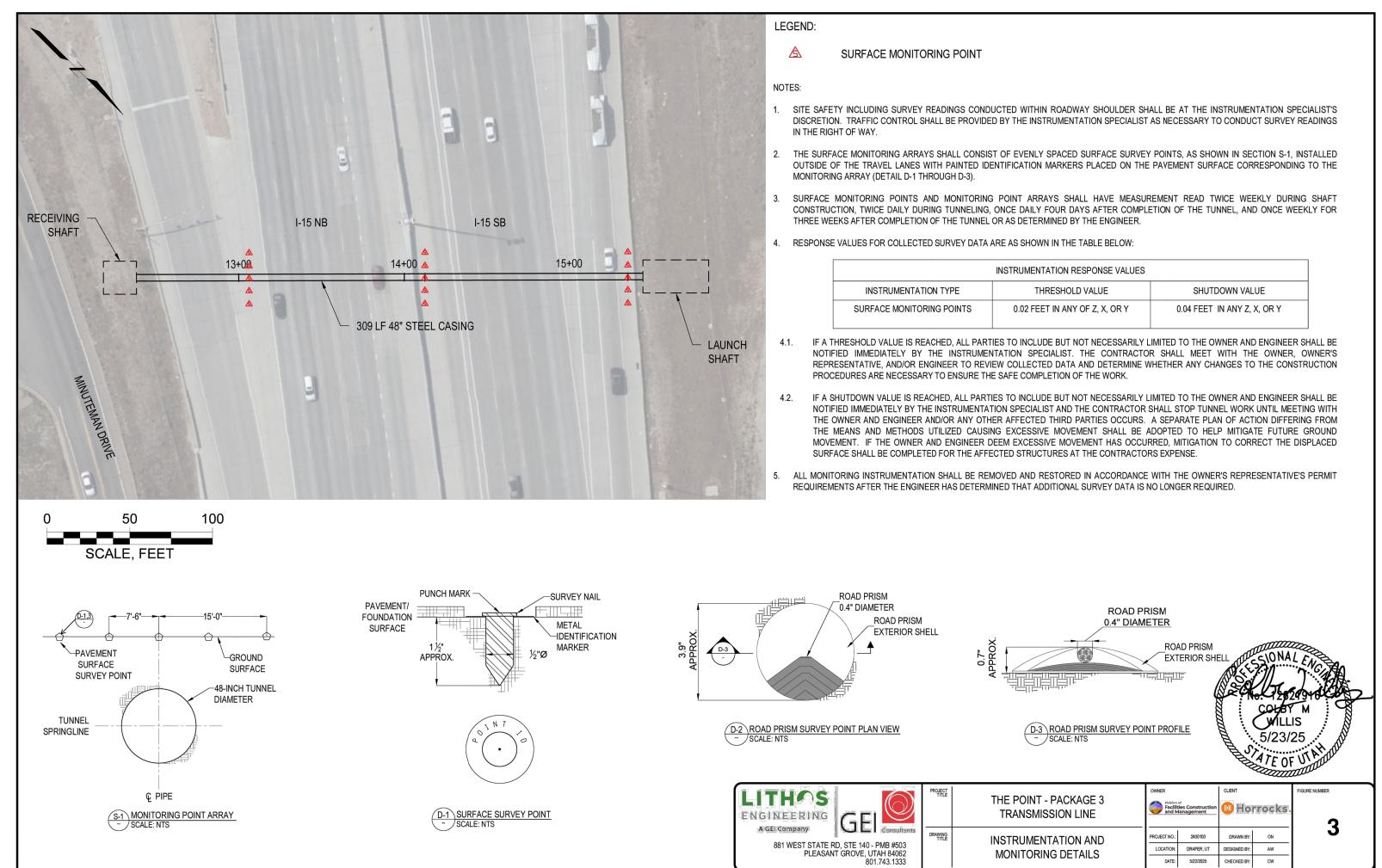
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PAGE 1







NOTES:

- 1. 48" STEEL CASING PIPE TO HAVE A MINIMUM 5/8" (0.625) WALL THICKNESS.
- 2. STEEL PIPE MATERIAL TO CONFORM TO ASTM A 252 GRADE 2 STEEL AND BE MANUFACTURED SPECIFICALLY FOR JACKING. WELDS TO CONFORM TO ANSI/AWS D1.1.

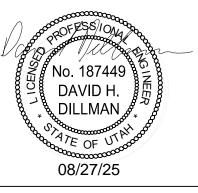




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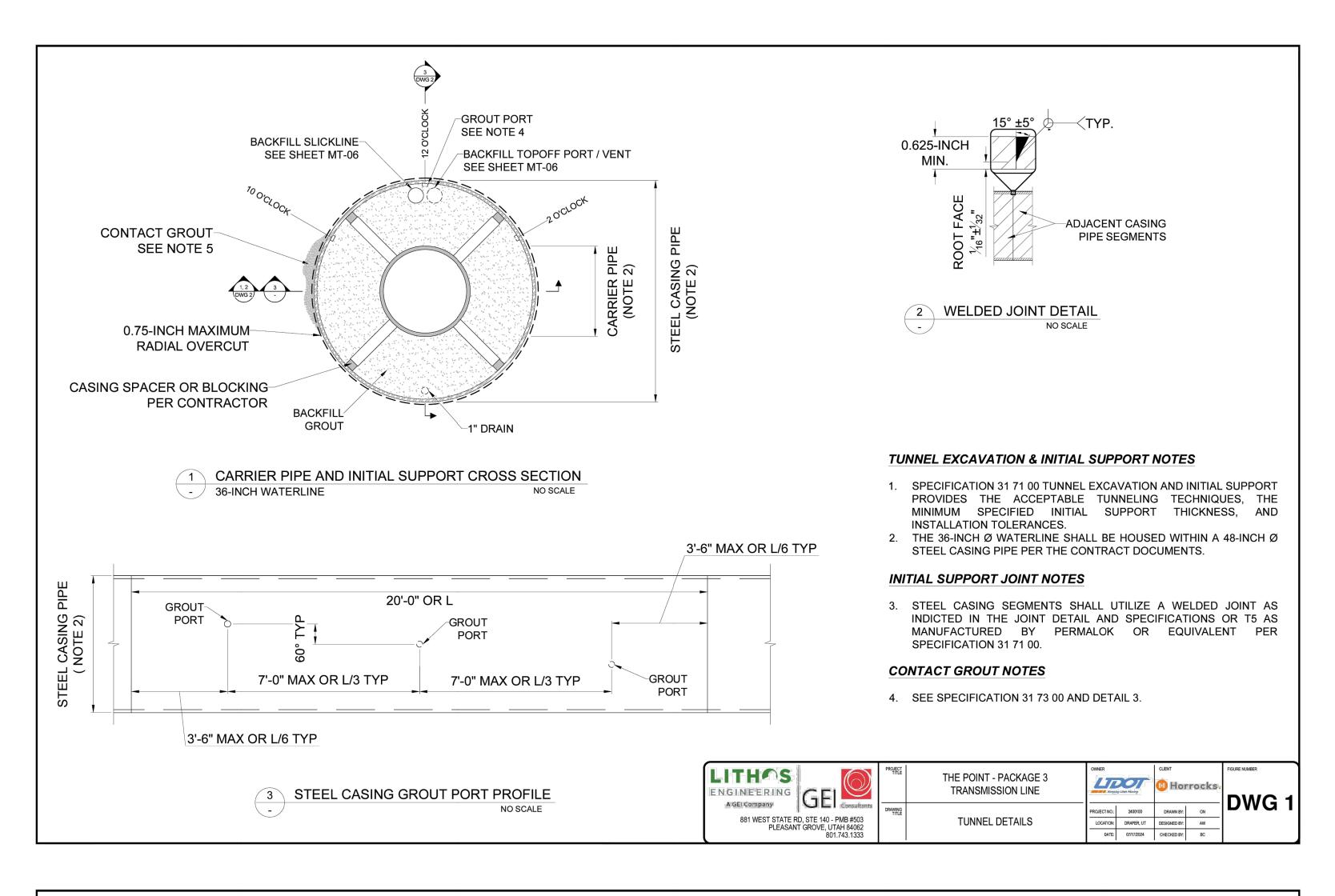
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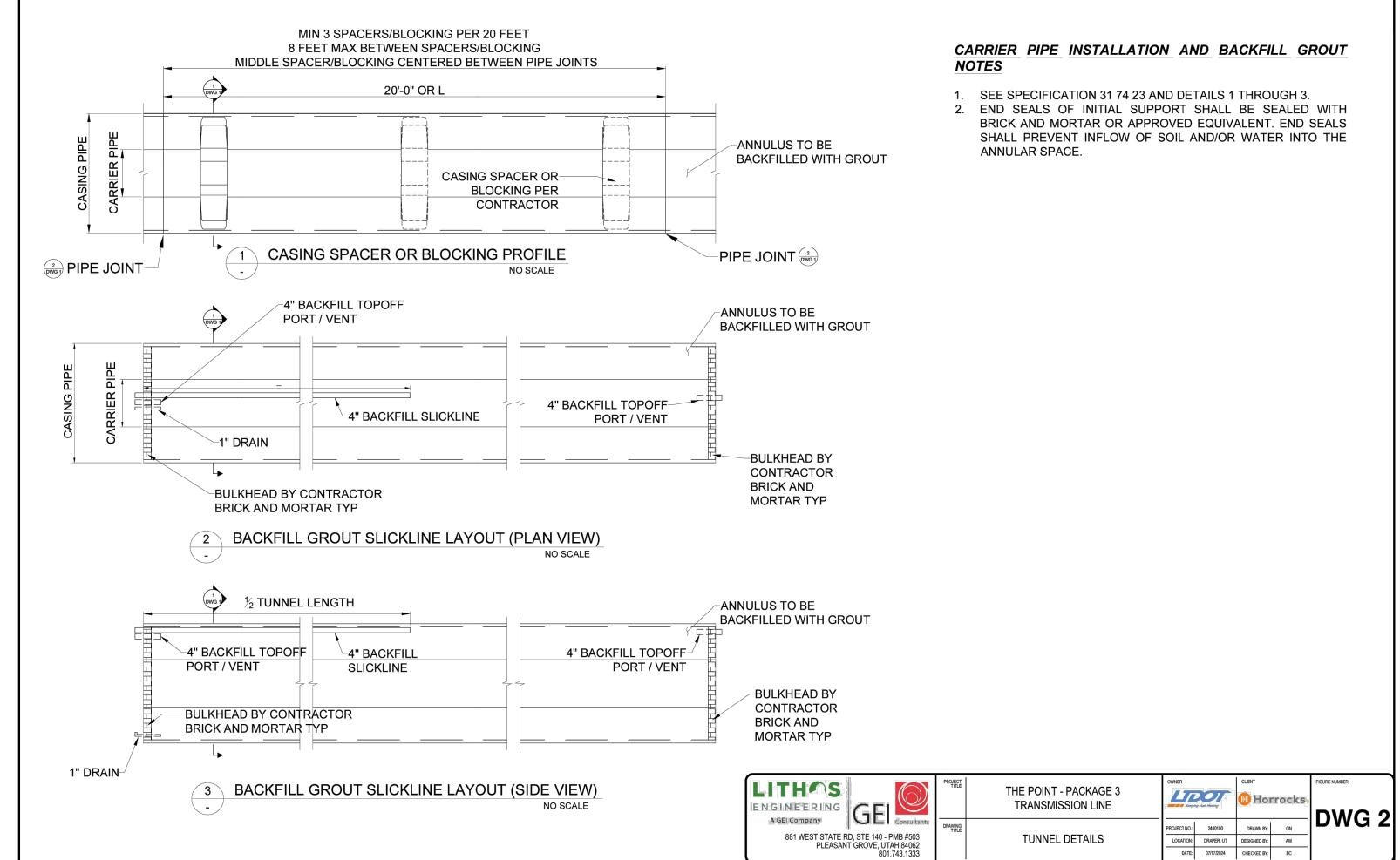
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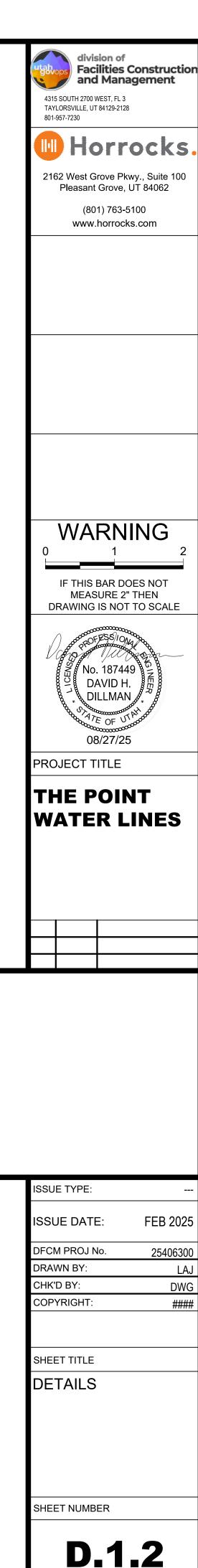
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