

**Interlocal Cooperation Agreement Between
The City of South Jordan and the City of Sandy**

**300 WEST ROADWAY IMPROVEMENTS AND DRY CREEK CHANNEL
IMPROVEMENTS WITHIN SOUTH JORDAN CITY BOUNDARIES**

The CITY OF SOUTH JORDAN, a Utah municipal corporation (“South Jordan”), and the CITY OF SANDY (“Sandy”) enter into this Interlocal Cooperation Agreement (“Agreement”) this _____ day of _____, 2023 (“Effective Date”), and agree as set forth below. South Jordan and Sandy are referred to collectively as “Parties.”

RECITALS

South Jordan intends to construct the improvements to 300 West at Dry Creek (the “Project”) as shown on the 300 West Dry Creek Culvert Improvements plans, attached hereto as **Exhibit A** of this Agreement and incorporated by reference. South Jordan hereby agrees that construction of 300 West Dry Creek Improvements related to this Agreement will be competitively bid in compliance with all applicable procurement rules.

As local governmental units, the Parties are authorized under the Utah Interlocal Cooperation Act, Utah Code § 11-13-101, et seq. (the “Interlocal Act”), to make the most efficient use of their powers by acting cooperatively to provide needed services and facilities so that the Parties benefit from economy of scale and shared resources. Therefore, the Parties agree as follows:

TERMS

1. **CONSTRUCTION OF THE PROJECT.** South Jordan shall be responsible for all matters pertaining to the Project including hiring and paying a contractor to complete the Project. The Project will be completed according to South Jordan’s engineering standards for the design and construction.

2. **TERM.** The term of this Agreement begins on the Effective Date and ends upon completion of the Project and payment by Sandy pursuant to Section 3 of this Agreement. Although the Parties anticipate that the Project will be completed before June 30, 2024, they acknowledge that many factors outside South Jordan’s control may affect its ability to complete the Project. Therefore, South Jordan will not be in breach of this Agreement if the Project is not completed before June 30, 2024.

3. **PAYMENT.**

a. As shown in **Exhibit B**, attached hereto and incorporated herein by this reference, the estimated cost for construction of the Project is \$791,520.00 (the “Estimated Construction Cost”). South Jordan shall contract with: (i) Salt Lake County to pay \$300,000.00 towards the construction of the Project ; and (ii) the property owner to pay \$50,000.00 toward construction of the Project, which shall be in addition to the \$37,906

that has been spent by property owner to date. South Jordan shall be solely responsible to collect payment from Salt Lake County and the property owner.

b. As shown in **Exhibit B**, Sandy shall reimburse South Jordan in the amount of \$170,577.00 (“Reimbursement Amount”). If the actual cost of Project construction differs from the Estimated Construction Cost, the Reimbursement Amount shall be increased or decreased as follows:

i. If the actual construction cost exceeds the Estimated Construction Cost, the Reimbursement Amount shall be increased by 50% of the difference between the actual construction cost and the Estimated Construction Cost; provided that South Jordan notifies Sandy in writing at least ten business days prior to approving any change order that increases the construction cost, and South Jordan considers all written responses it receives from Sandy within that time.

ii. If the actual construction cost is less than the Estimated Construction Cost, the Reimbursement Amount shall be decreased by 50% of the difference between the actual construction cost and the Estimated Construction Cost.

c. After the Project is complete, South Jordan shall send Sandy an invoice for its portion of the Project final actual costs, which Sandy agrees to pay within thirty days of receiving the invoice. Prior to expiration of the thirty days, Sandy shall notify South Jordan in writing of any questions or concerns regarding the invoice.

4. **TERMINATION OR AMENDMENT.** This agreement and all provisions contained herein shall only be amended or terminated by written agreement between the Parties.

5. **BREACH WILL NOT TERMINATE.** No breach or violation of any provision of this Agreement will entitle any person or entity to cancel, rescind, or otherwise terminate this Agreement, but this limitation will not affect, in any manner, any other rights or remedies to which a party may be entitled at law or in equity by reason of a breach of this Agreement.

6. **LIABILITY AND INDEMNIFICATION.** The parties are governmental entities under the Governmental Immunity Act of Utah, Utah Code § 63G-7-101, et seq. (the “Immunity Act”). Consistent with the terms of the Immunity Act, and as provided herein, the Parties mutually agree that each party is responsible and liable for its own wrongful or negligent act committed by it or its agents, officers, or employees. Neither party waives any defenses otherwise available under the Immunity Act nor does any party waive any limits of liability currently provided by the Immunity Act. The parties agree to indemnify each other and hold each other harmless from any damages or claims from damages occurring to persons or property as a result of the negligence or fault of their own officers, employees, or agents involved in the Project.

7. **ADMINISTRATION.** This Agreement does not create a separate entity; however, to the extent that any administration of this Agreement becomes necessary, then the Department Directors of each party, or their designees, shall constitute a joint board for such purpose.

8. **INTERLOCAL COOPERATION ACT.** The Parties acknowledge that this Agreement is subject to the provisions and procedures of the Interlocal Act and they agree to process, approve, manage, and archive this agreement in compliance with the Interlocal Act.

9. **MISCELLANEOUS.**

a. **Entire Agreement.** This Agreement constitutes the entire agreement between the Parties, and no other promises or understandings, express and implied, shall be binding upon the Parties.

b. **No Waiver.** Any party's failure to enforce any provision of this Agreement shall not constitute a waiver of the right to enforce such provision. The provisions may be waived only in writing by the party intended to be benefited by the provisions, and a waiver by a party of a breach hereunder by the other party shall not be construed as a waiver of any succeeding breach of the same or other provisions.

c. **Headings.** The descriptive headings of the paragraphs of this Agreement are inserted for convenience only and shall not control or affect the meaning or construction of any provision this Agreement.

d. **Severability.** If any of the provisions of this Agreement are declared void or unenforceable, such provision shall be severed from this Agreement. This Agreement shall otherwise remain in full force and effect provided the fundamental purpose of this Agreement and the Parties' ability to complete the Project as set forth herein is not defeated by such severance.

e. **Governing Law.** The laws of the State of Utah shall govern the interpretation and enforcement of this Agreement.

f. **Attorney's Fees and Costs.** If any party brings legal action either because of a breach of this agreement or to enforce a provision of this Agreement, the prevailing party shall be entitled to reasonable attorney's fees and court costs.

g. **Binding Effect.** The benefits and burdens of this Agreement shall be binding upon and shall inure to the benefit of the Parties and their respective heirs, legal representatives, successors in interest and assigns.

h. **No Third Party Rights.** The obligations of the Parties set forth in this Agreement shall not create any rights in or obligations to any other persons or parties except to the extent otherwise provided herein.

[SIGNATURE PAGES FOLLOWS]

IN WITNESS WHEREOF, the parties have executed this Agreement as of the date first set forth above.

CITY OF SOUTH JORDAN, a Utah municipal corporation

By: _____

APPROVED AS TO FORM:

(Print name and title above)

Attorney for City

CITY OF SANDY, a Utah municipal corporation

By: _____

APPROVED AS TO FORM:

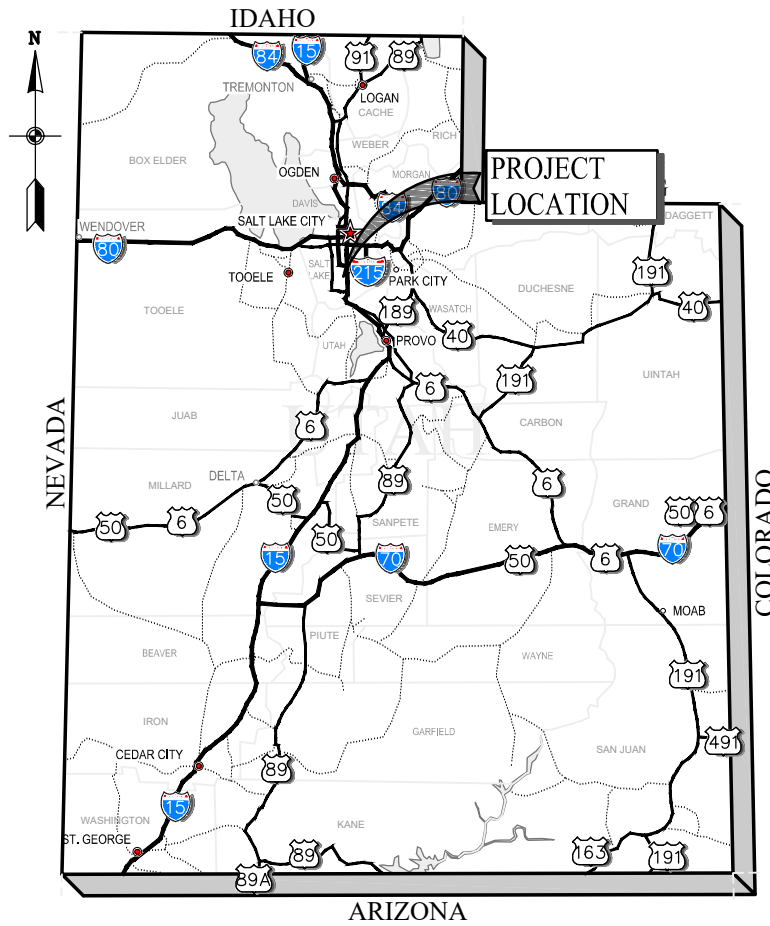
(Print name and title above)

Attorney for City

EXHIBIT A

(300 West Dry Creek Culvert Improvements Plans)

DRAWINGS FOR CONSTRUCTION OF THE 300 WEST DRY CREEK BOX CULVERT REPLACEMENT SOUTH JORDAN, UTAH

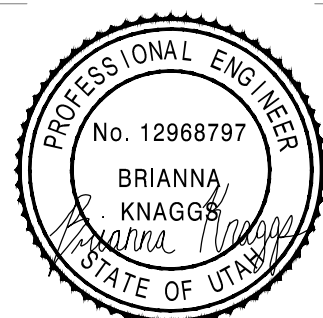


PROJECT LOCATION MAP

INDEX OF DRAWINGS		
SHT NO.	DWG NO.	DESCRIPTION
GENERAL		
01	G-01	TITLE PAGE, PROJECT LOCATION, INDEX OF DRAWINGS, AND VICINITY MAPS
02	G-02	ABBREVIATIONS
03	G-03	SYMBOLS
04	G-04	GENERAL NOTES
CIVIL		
04	C-01	DEMOLITION PLAN
05	C-02	CIVIL SITE PLAN
06	C-03	PLAN AND PROFILE - DRY CREEK CHANNEL
07	C-04	PLAN AND PROFILE - 300 WEST ROAD IMPROVEMENTS
08	C-05	CIVIL DETAILS - 1
09	C-06	CIVIL DETAILS - 2
STRUCTURAL		
10	S-01	PLAN AND ELEVATION
11	S-02	TYPICAL SECTION
12	S-03	INLET PLAN AND DETAILS
13	S-04	OUTLET PLAN AND DETAILS
14	S-05	GENERAL STRUCTURAL DETAILS

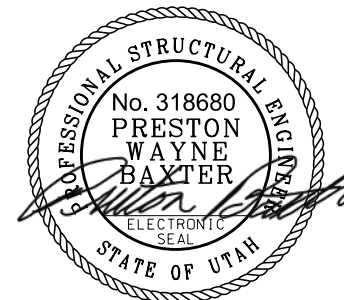


PROJECT VICINITY MAP



06/29/2023

CIVIL



06/29/2023

STRUCTURAL

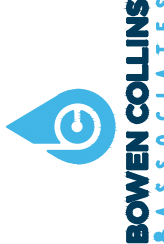
NO.	DATE	REV. BY	DESCRIPTION

DESIGN DESIGNER: B. KNAGGS DRAWN: B. KNAGGS	CHECKED: C. BAGLEY APPROVED: B. KNAGGS	VERIFY SCALE BAR IS ONE INCH ON ORIGINAL DRAWING
		REVIEW

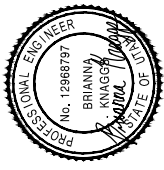
GENERAL COVER SHEET, PROJECT LOCATION AND VICINITY MAP	DATE: JUNE 2023
	PROJECT NUMBER: 009-22-02

DRAWING NO. G-01
SHEET 01 OF 15

<p>Ⓢ</p> <p>AASHTO AMERICAN ASSOCIATION OF STATE HIGHWAY TRANSPORTATION OFFICIALS</p> <p>AB ANCHOR BOLT</p> <p>ABBR ABBREVIATION</p> <p>ABS ACRYLONITRILE-BUTADIENE-STYRENE</p> <p>AC ASPHALTIC CONCRETE OR ALTERNATING CURRENT OR ACTIVATED CARBON AMERICAN CONCRETE INSTITUTE</p> <p>ACI ASPHALTIC CONCRETE INSTITUTE</p> <p>ACP ASPHALTIC CONCRETE PAVEMENT</p> <p>ADDL ADDITIONAL</p> <p>ADJ ADJACENT OR ADJUSTABLE</p> <p>AER AERATION</p> <p>AFF ABOVE FINISH FLOOR</p> <p>AGGR AGGREGATE</p> <p>AH AIR HANDLER</p> <p>AIR CONT AIR CONDITIONING</p> <p>AISC AMERICAN INSTITUTE OF STEEL CONSTRUCTION</p> <p>AL ALUMINUM, ALUM</p> <p>ALTN ALTERNATIVE, ALTERNATE</p> <p>ANOD ANODIZED</p> <p>ANSI AMERICAN NATIONAL STANDARDS INSTITUTE</p> <p>APPROX APPROXIMATE</p> <p>APVD APPROVED</p> <p>ARCH ARCHITECTURAL</p> <p>ARV AIR RELEASE VALVE</p> <p>ASME AMERICAN SOCIETY OF MECHANICAL ENGINEERS</p> <p>ASTM AMERICAN SOCIETY FOR TESTING AND MATERIAL</p> <p>ASSY ASSEMBLY</p> <p>AUTO AUTOMATIC</p> <p>AUX AUXILIARY</p> <p>AVAR AIR VACUUM AND AIR RELEASE VALVE</p> <p>AWS AMERICAN WELDING SOCIETY</p> <p>AWWA AMERICAN WATER WORKS ASSOCIATION</p> <p>B & S BELL & SPIGOT</p> <p>BC BEGIN CURVE, BOLT CIRCLE</p> <p>BF BLIND FLANGE, BUTTERFLY VALVE</p> <p>BFG BELOW FINISH GRADE</p> <p>BFP BACK FLOW PREVENTER</p> <p>BFV BUTTERFLY VALVE</p> <p>BHD BULKHEAD</p> <p>BHP BRAKE HORSEPOWER</p> <p>BLDG BUILDING</p> <p>BLK BLACK OR BLOCK</p> <p>BLKG BLOCKING</p> <p>BLT BOLT</p> <p>BM BEAM, BENCH MARK</p> <p>BO BLOW-OFF ASSEMBLY, BLOW-OFF BOTTOM</p> <p>BPS BOOSTER PUMPING STATION</p> <p>BPV BACK PRESSURE VALVE</p> <p>BRK BRICK</p> <p>BTU BRITISH THERMAL UNIT</p> <p>BTWN BETWEEN</p> <p>BUR BUILT-UP ROOFING</p> <p>BVC BEGIN VERTICAL CURVE</p> <p>BVCE BEGIN VERTICAL CURVE ELEVATION</p> <p>BVCS BEGIN VERTICAL CURVE STATION</p> <p>BW BACK WASH, FILTER BACKWASH</p> <p>C CENTIGRADE OR CELSIUS</p> <p>CAB CABINET</p> <p>CAP CAPACITY</p> <p>CARV COMBINATION AIR RELEASE VALVE</p> <p>CB CATCH BASIN</p> <p>CC CENTER TO CENTER</p> <p>CCP CONCRETE CYLINDER PIPE</p> <p>CD CEILING DIFFUSER CHEMICAL DRAIN AND VENT</p> <p>CER CERAMIC</p> <p>CFH CUBIC FEET PER HOUR</p> <p>CFM CUBIC FEET PER MINUTE</p> <p>CFR CODE OF FEDERAL REGULATIONS</p> <p>CFS CUBIC FEET PER SECOND</p> <p>CG CHLORINE GAS</p> <p>CGB CORD GRIP BUSHING</p> <p>CHBD CHALKBOARD</p> <p>CHEM CHEMICAL</p> <p>CHG CHANGE</p> <p>CHKD PL CHECKERED PLATE</p> <p>CI CAST IRON</p> <p>CIP CAST IRON PIPE</p> <p>CISP CAST IRON SOIL PIPE</p> <p>CJ CONSTRUCTION JOINT</p> <p>CJP COMPLETE JOINT PENETRATION</p> <p>CL CHLORINATOR, CHAIN LINK, CENTERLINE OR CHLORINE</p> <p>CLR CLEAR, CLEARANCE</p> <p>CLST CEMENT LINED STEEL PIPE</p> <p>CLSM CONTROLLED LOW STRENGTH MATERIAL</p> <p>CM CENTIMETER</p> <p>CML & C CEMENT MORTAR LINED AND COATED</p> <p>CMP CORRUGATED METAL PIPE</p> <p>CMU CONCRETE MASONRY UNIT</p> <p>CO CLEANOUT</p> <p>COL COLUMN</p> <p>COMM COMMUNICATION</p> <p>COMB COMBINED</p> <p>CONC CONCRETE, CONCENTRIC</p> <p>COND CONDENSER, CONDENSATE</p> <p>CONN CONNECTION</p> <p>CONST CONSTRUCTION, CONSTRUCT</p> <p>CONT CONTINUED, CONTINUOUS, CONTINUATION</p> <p>COORD COORDINATE</p> <p>COP COPPER</p> <p>COTG CLEAN-OUT TO GRADE</p> <p>CPLG COUPLING</p> <p>CPS CULINARY PUMP STATION</p> <p>CPVC CHLORINATED POLYVINYL CHLORIDE</p> <p>CS CAST STEEL OR CAUSTIC SODA</p> <p>CTRD CENTERED</p> <p>CTR CENTER</p> <p>CTSK COUNTERSUNK</p> <p>CU FT CUBIC FOOT</p> <p>CU IN CUBIC INCH</p> <p>CU YD CUBIC YARD</p> <p>CULV CULVERT</p> <p>CV CHECK VALVE</p> <p>CW COLD WATER</p> <p>CWO CHAIN WHEEL OPERATOR</p> <p>CYL CYLINDER</p> <p>d PENNY</p> <p>DBA DEFORMED ANCHOR</p> <p>DBL DOUBLE</p> <p>DC DIRECT CURRENT</p> <p>DEG DEGREE</p> <p>DEMO DEMOLITION, DEMOLISH</p> <p>DEQ DEPARTMENT OF ENVIRONMENTAL QUALITY</p> <p>DET DETAIL</p> <p>DI DUCTILE IRON, DROP INLET</p> <p>DIA DIAMETER</p> <p>DIAG DIAGONAL</p> <p>DIAPH DIAPHRAGM</p> <p>DIFF DIFFUSER</p> <p>DIM DIMENSION</p> <p>DIP DUCTILE IRON PIPE</p> <p>DIR DIRECTION</p> <p>DISCH DISCHARGE</p> <p>DIST DISTANCE</p> <p>DIV DIVISION</p> <p>D-LOAD LOADING CONDITION FOR RCP</p> <p>DMPR DAMPER</p> <p>DN DOWN, DECANT</p> <p>DOT DEPARTMENT OF TRANSPORTATION</p> <p>DP DAMP PROOFING</p> <p>DR DOOR, DRAIN</p> <p>DS DRENCH SHOWER & EYE WASH, DOWNSPOUT</p> <p>DWG DRAWING</p> <p>DWL DOWEL</p> <p>E(UG) ELECTRICAL (UNDERGROUND)</p> <p>E(OH) ELECTRICAL (OVERHEAD POWER)</p> <p>E EAST</p> <p>EA EACH</p> <p>EB EXPANSION BOLT</p> <p>EC END CURVE</p> <p>ECC ECCENTRIC</p> <p>EF EACH FACE, EXHAUST FAN</p> <p>EFF EFFLUENT</p> <p>EG EXISTING GRADE</p> <p>EL ELEVATION</p> <p>ELB ELBOW</p> <p>ELEV ELEVATION</p> <p>ELEC ELECTRICAL, ELECTRONIC</p> <p>EMB EMBEDMENT</p> <p>EMER EMERGENCY</p> <p>ENCL ENCLOSURE</p> <p>ENG ENGINE</p> <p>ENGR ENGINEER</p> <p>EP EDGE OF PAVEMENT</p> <p>EPDM ETHYL PROPYLENE DIENE MONOMER</p> <p>EPS EXPANDED POLYSTYRENE</p> <p>EQ EQUAL</p> <p>EQL SP EQUALLY SPACED</p> <p>EQUIP EQUIPMENT</p> <p>ETC ETCETERA</p> <p>EVAP EVAPORATOR</p> <p>EVC END VERTICAL CURVE</p> <p>EVCE END VERTICAL CURVE ELEVATION</p> <p>EVCS END VERTICAL CURVE STATION</p> <p>EW EACH WAY, EYE WASH</p> <p>EXH EXHAUST</p> <p>EXIST EXISTING</p> <p>EXP ANR EXPANSION BOLT, ANCHOR</p> <p>EXP JT EXPANSION JOINT</p> <p>EXT EXTERIOR, EXTENSION, EXTERNAL</p> <p>F FAHRENHEIT, FACE</p> <p>F TO F FACE TO FACE</p> <p>FAB FABRICATION, FABRICATE, OR FABRICATED</p> <p>FB FLAT BAR</p> <p>FC FLEXIBLE COUPLING</p> <p>FCA FLANGE COUPLING ADAPTER</p> <p>FCO FLOOR CLEANOUT</p> <p>FD FLOOR DRAIN</p> <p>FDN FOUNDATION</p> <p>FDR FEEDER</p> <p>FEXT FIRE EXTINGUISHER</p> <p>FF FLAT FACE, FAR FACE, FINISH FLOOR</p> <p>FG FINISH GRADE, FLOW GLASS</p> <p>FH FIRE HYDRANT</p> <p>FLR FLOOR</p> <p>FL FLOW LINE</p> <p>FLEX FLEXIBLE</p> <p>FLG FLANGE</p> <p>FM FORCE MAIN (SANITARY SEWER)</p> <p>FND FOUND</p> <p>FNSH FINISH</p> <p>FO FIBER OPTIC</p> <p>FRP FIBERGLASS REINFORCED PLASTIC</p> <p>FW FINISH WATER</p> <p>FWR FINISH WATER RESERVOIR</p> <p>G GAS</p> <p>GAGE, GAUGE</p> <p>GAL GALLON</p> <p>GALV GALVANIZED</p> <p>GEN GENERATOR</p> <p>GFI GROUND FAULT INTERRUPTER</p> <p>GI GALVANIZED IRON</p> <p>GIS GEOGRAPHIC INFORMATION SYSTEM</p> <p>GL GLASS</p> <p>GLAZ GLAZING</p> <p>GLV GLOBE VALVE</p> <p>GND GROUND</p> <p>GPD GALLONS PER DAY</p> <p>GPH GALLONS PER HOUR</p> <p>GPM GALLONS PER MINUTE</p> <p>GR GRADE</p> <p>GR BRK GRADE BREAK, GRADE CHANGE</p> <p>GRTG GRATING</p> <p>GRV GROOVED</p> <p>GSP GALVANIZED STEEL PIPE</p> <p>GV GATE VALVE</p> <p>GYP GYPSUM BOARD</p> <p>H HEIGHT</p> <p>HAS HEADED ANCHOR STUD</p> <p>HB HOSE BIBB</p> <p>HD HUB DRAIN</p> <p>HDPE HIGH DENSITY POLYETHYLENE</p> <p>HDR HEADER</p> <p>HDW HARDWARE</p> <p>HEX HEXAGONAL</p> <p>HGR HANGER</p> <p>HM HOLLOW METAL</p> <p>HORIZ HORIZONTAL</p> <p>HP HORSEPOWER, HIGH PRESSURE, HEAT PUMP, HIGH POINT</p> <p>HR HEATING RETURN, HOUR, HOSE RACK</p> <p>HS HIGH STRENGTH</p> <p>HSS HOLLOW STRUCTURAL SECTION</p> <p>HTG HEATING</p> <p>HTR HEATER</p> <p>HV HOSE VALVE</p> <p>HVAC HEATING, VENTILATING AND AIR CONDITIONING</p> <p>HWL HIGH WATER LEVEL</p> <p>HWO HANDWHEEL OPERATED</p> <p>HYD HYDRANT, HYDRAULIC</p> <p>ICFM INLET CUBIC FEET PER MINUTE</p> <p>ID INSIDE DIAMETER</p> <p>IE INVERT ELEVATION</p> <p>IF INSIDE FACE</p> <p>IN INCH</p> <p>IN LB INCH-POUND</p> <p>INFL INFLUENT</p> <p>INSUL INSULATING</p> <p>INVT INVERT</p> <p>IOB INLET OUTLET BYPASS</p> <p>IPS IRON PIPE SIZE</p> <p>IRR IRRIGATION</p> <p>JA JORDAN AQUEDUCT</p> <p>JT JOINT</p> <p>JTS JOINTS</p> <p>JVWTP JORDAN VALLEY WATER TREATMENT PLANT</p> <p>K KELVIN, KILO OR THOUSAND POUNDS</p> <p>KG KILOGRAM</p> <p>KV KILOVOLT</p> <p>KW KILOWATT</p> <p>KWH KILOWATT HOUR</p> <p>L LEFT OR LITER</p> <p>LAB LABORATORY</p> <p>LAV LAVATORY</p> <p>LB POUND</p> <p>LC LENGTH OF CURVE</p> <p>LF LINEAR FEET</p> <p>LG LENGTH OR LONG</p> <p>LH LEFT HAND</p> <p>LIP LIP OF GUTTER</p> <p>LL LIVE LOAD</p> <p>LLV LONG LEG VERTICAL</p> <p>LOL LENGTH OF LINE</p> <p>LP LOW POINT</p> <p>LR LONG RADIUS</p> <p>LT LIGHT, LEFT</p> <p>LVL LEVEL</p> <p>LWL LOW WATER LEVEL</p> <p>LWR LOWER</p> <p>M METER, MALE (PIPE THREAD)</p> <p>MACH MACHINE</p> <p>MAN MAGNETIC, MANUAL</p> <p>MATL MATERIAL</p> <p>MAX MAXIMUM</p> <p>MB MACHINE BOLT</p> <p>MCC MOTOR CONTROL CENTER</p> <p>MECH MECHANICAL, MECHANISM</p> <p>MEMB MEMBRANE</p> <p>MET METAL</p> <p>MFR MANUFACTURER</p> <p>MG MILLION GALLONS</p> <p>MGD MILLION GALLONS PER DAY</p> <p>MH MANHOLE, MONORAIL HOIST</p> <p>MI MALLEABLE IRON</p> <p>MID MIDDLE</p> <p>MIL 1/1,000 INCH</p> <p>MIN MINIMUM OR MINUTE</p> <p>MISC MISCELLANEOUS</p> <p>MJ MECHANICAL JOINT</p> <p>MO MASONRY OPENING</p> <p>MPH MILES PER HOUR</p> <p>MTG MOUNTING</p> <p>MTL METAL OR MATERIAL</p> <p>MTR MOTOR</p> <p>MWS MAXIMUM WATER SURFACE</p> <p>N NORTH</p> <p>NAVD NORTH AMERICAN VERTICAL DATUM</p> <p>NBS NATIONAL BUREAU OF STANDARDS</p> <p>NC NORMALLY CLOSED</p> <p>NE NORTHEAST</p> <p>NEC NATIONAL ELECTRIC CODE</p> <p>NEMA NATIONAL ELECTRICAL MANUFACTURES ASSOCIATION</p> <p>NF NEAR FACE</p> <p>NFPA NATIONAL FIRE PROTECTION ASSOCIATION</p> <p>NIC NOT IN CONTRACT</p> <p>NO NUMBER OR NORMALLY OPEN</p> <p>NOM NOMINAL</p> <p>NPT NATIONAL PIPE THREAD</p> <p>NS NEAR SIDE</p> <p>NSF NATIONAL SANITATION FOUNDATION</p> <p>NTS NOT TO SCALE</p> <p>NW NORTHWEST</p> <p>O TO O OUT TO OUT</p> <p>OC ON CENTER, OVER-CROSSING</p> <p>OD OUTSIDE DIAMETER, OVERALL DIMENSION</p> <p>OF OUTSIDE FACE, OVERFLOW</p> <p>OFS OVERFLOW STRUCTURE</p> <p>OH OVERHEAD</p> <p>OPER OPERATOR, OPERATING</p> <p>OPNG OPENING</p> <p>OPP OPPOSITE</p> <p>ORIG ORIGINAL</p> <p>OVHD OVERHEAD</p> <p>OZ OUNCE</p> <p>PC PORTLAND CEMENT, POINT OF CURVE OR PRIMARY CLARIFIER</p> <p>PCC PORTLAND CEMENT CONCRETE</p> <p>PCF POUNDS PER CUBIC FOOT</p> <p>PE PLAIN END, POLYELECTROLYTE POLYMER, POLYETHYLENE</p> <p>PG PRESSURE GAUGE</p> <p>pH HYDROGEN ION CONCENTRATION</p> <p>PI PLANT INFLUENT, POINT OF INTERSECTION</p> <p>PJF PREMOLDED JOINT FILLER</p> <p>PL PLATE, PROPERTY LINE, PLACE</p> <p>PLYWD PLYWOOD</p> <p>PM PUMP, PROPELLER METER</p> <p>POB POINT OF BEGINNING</p> <p>PP POTASSIUM PERMANGANATE</p> <p>PPD POUNDS PER DAY</p> <p>PPH POUNDS PER HOUR</p> <p>PPM PARTS PER MILLION</p> <p>PR PAIR</p> <p>PRC POINT OF REVERSE CURVE</p> <p>PREFAB PREFABRICATED</p> <p>PRI PRIMARY</p> <p>PRV PRESSURE REGULATING/REDUCING VALVE</p> <p>PS PRESSURE SWITCH, PUMP STATION</p> <p>PSF POUNDS PER SQUARE FOOT</p> <p>PSI POUNDS PER SQUARE INCH</p> <p>PSIG POUNDS PER SQUARE INCH GAUGE</p> <p>PT POINT OF TANGENT, PRESSURE TREATED</p> <p>PTDF PRESSURE TREATED DOUGLAS FIR</p> <p>PV PAVEMENT</p> <p>PVC POLYVINYL CHLORIDE</p> <p>PVI POINT OF VERTICAL INTERSECTION</p> <p>PW POTABLE WATER</p> <p>RAD RADIUS</p> <p>RC REINFORCED CONCRETE</p> <p>RCP REINFORCED CONCRETE PIPE</p> <p>RD ROOF DRAIN OR ROAD</p> <p>RDCR REDUCER, REDUCING</p> <p>RECIRC RECIRCULATION</p> <p>RED REDUCING</p> <p>REF REFERENCE, REFER</p> <p>REG REGULATING, REGISTER</p> <p>REINF REINFORCE, REINFORCED</p> <p>REQD REQUIRED</p> <p>REV REVISION</p> <p>RF ROOF, RAISED FACE</p> <p>RND ROUND</p> <p>RPM REVOLUTIONS PER MINUTE</p> <p>RP RADIUS POINT</p> <p>RS RAW SEWAGE</p> <p>RST REINFORCING STEEL, RESET</p> <p>RT REGULATING TANK, RADIOGRAPHIC, RIGHT</p> <p>RV ROOF VENT</p> <p>R/W RIGHT OF WAY</p> <p>RW RAW WATER</p> <p>S SOUTH, SECOND</p> <p>SA SAMPLE, SAMPLE LINE</p> <p>SCFM STANDARD CUBIC FEET PER MINUTE</p> <p>SCH SCHEDULE</p> <p>SD STORM DRAIN</p> <p>SECT SECTION</p> <p>SHT SHEET</p> <p>SIM SIMILAR</p> <p>SLP SLOPE</p> <p>SP SPACING, STATIC PRESSURE</p> <p>SPA SPACED</p> <p>SPEC SPECIFIED, SPECIFICATION</p> <p>SPECS SPECIFICATIONS</p> <p>SPG SPACING</p> <p>SPKR SPEAKER</p> <p>SPLY SUPPLY</p> <p>SPRT SUPPORT</p> <p>SQ SQUARE</p> <p>SQ FT SQUARE FOOT</p> <p>SR SUPPLY REGISTER</p> <p>SS SANITARY SEWER, SERVICE SINK</p> <p>SST STAINLESS STEEL</p> <p>STA STATION</p> <p>STD STANDARD</p> <p>STIFF STIFFENER</p> <p>STL STEEL</p> <p>STRL STRUCTURAL</p> <p>SUC STRUCTURAL UNDERDRAIN COLLECTOR</p> <p>SWA SOUTHWEST AQUEDUCT</p> <p>SYM SYMBOL</p> <p>SYMM SYMMETRICAL</p> <p>SYS SYSTEM</p> <p>T THICKNESS, TOP, TOILET</p> <p>T&B TOP AND BOTTOM</p> <p>T&G TONGUE AND GROOVE</p> <p>TAN TANGENT</p> <p>TBC TOP BACK OF CURB</p> <p>TBM TEMPORARY BENCH MARK</p> <p>TDH TOTAL DYNAMIC HEAD</p> <p>TECH TECHNICAL</p> <p>TEL TELEPHONE</p> <p>TEMP TEMPERATURE, TEMPORARY</p> <p>THK THICK</p> <p>THR'D THREADED</p> <p>TK TANK</p> <p>TO TOP OF</p> <p>TOC TOP OF CONCRETE</p> <p>TOG TOP OF GRADE</p> <p>TP TELEPHONE POLE, TURNING POINT</p> <p>TW TOP OF WALL</p> <p>TYP TYPICAL</p> <p>UBC UNIFORM BUILDING CODE</p> <p>UD UNDERDRAIN</p> <p>UG UNDERGROUND</p> <p>UH UNIT HEATER</p> <p>UL UNDERWRITERS LABORATORIES</p> <p>UNO UNLESS NOTED OTHERWISE</p> <p>USBR U.S. BUREAU OF RECLAMATION</p> <p>V VALVE, VENT, VOLT, VACUUM</p> <p>VAR VARIES, OR VARIABLE</p> <p>VC VERTICAL CURVE</p> <p>VCP VITRIFIED CLAY PIPE</p> <p>VERT VERTICAL</p> <p>VIC VICTAULIC COUPLING</p> <p>VOL VOLUME</p> <p>VPI VERTICAL POINT OF INFLECTION</p> <p>VSS VOLATILE SUSPENDED SOLIDS</p> <p>VTC VENT THROUGH CEILING</p> <p>VTR VENT THROUGH ROOF</p> <p>W WEST, WASTE, WIDE FLANGE (BEAM)</p> <p>W/ WITH</p> <p>W/O WITHOUT</p> <p>WC WATER COLUMN OR WATER CLOSET</p> <p>WCO WALL CLEANOUT</p> <p>WD WOOD</p> <p>WH WATER HEATER</p> <p>WS WATER STOP, WATER SURFACE</p> <p>WSP WELDED STEEL PIPE</p> <p>WSTP WATER STOP</p> <p>WT WEIGHT</p> <p>WWM WELDED WIRE MESH</p> <p>XMFR TRANSFORMER</p> <p>XMTR TRANSMITTER</p> <p>XS EXTRA STRONG</p> <p>YD YARD</p> <p>YP YARD PIPING</p> <p>YR YEAR</p>	<p>DESIGN B. KNAGGS</p> <p>DESIGN B. KNAGGS</p> <p>REVIEW C. BAGLEY</p> <p>REVIEW C. BAGLEY</p> <p>VERIFY SCALE</p> <p>BAR IS ONE INCH ON ORIGINAL DRAWING</p> <p>DATE: JUNE 2023</p> <p>PROJECT NUMBER 009-22-02</p> <p>DRAWING NO. G-02</p> <p>SHEET 02 OF 15</p>
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BOWEN COLLINS ASSOCIATES



PROFESSIONAL ENGINEER
BRIAN KNAGGS
No. 1298797
STATE OF UTAH
06/29/2023

300 WEST DRY CREEK BOX CULVERT REPLACEMENT

SOUTH JORDAN CITY
SOUTH JORDAN, UTAH

ABBREVIATIONS

DESIGN B. KNAGGS

REVIEW C. BAGLEY

VERIFY SCALE

BAR IS ONE INCH ON ORIGINAL DRAWING

DATE: JUNE 2023

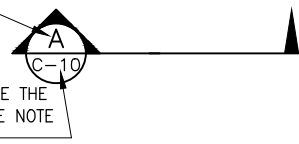
PROJECT NUMBER 009-22-02

DRAWING NO. G-02

SHEET 02 OF 15

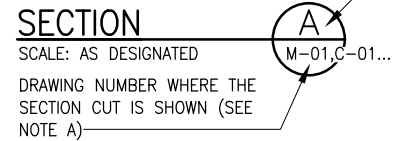
SECTION IDENTIFICATION

(1) SECTION CUT SHOWN ON DRAWING AS:
SECTION LETTER



DRAWING NUMBER WHERE THE SECTION IS SHOWN (SEE NOTE A)

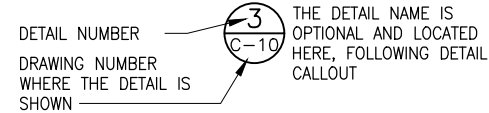
(2) THIS SECTION IS IDENTIFIED AS:



DRAWING NUMBER WHERE THE SECTION CUT IS SHOWN (SEE NOTE A)

DETAIL IDENTIFICATION

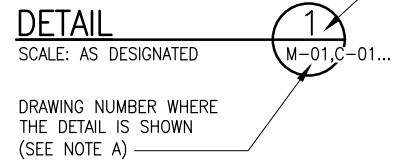
(1) DETAIL IDENTIFICATION SHOWN ON DRAWING AS:



DETAIL NUMBER
DRAWING NUMBER WHERE THE DETAIL IS SHOWN

THE DETAIL NAME IS OPTIONAL AND LOCATED HERE, FOLLOWING DETAIL CALLOUT

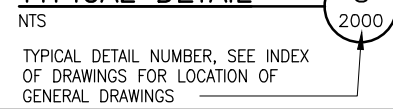
(2) THIS DETAIL IS IDENTIFIED AS:



SCALE: AS DESIGNATED
DRAWING NUMBER WHERE THE DETAIL IS SHOWN (SEE NOTE A)

TYPICAL DETAIL IDENTIFICATION

TYPICAL DETAIL



NTS
TYPICAL DETAIL NUMBER, SEE INDEX OF DRAWINGS FOR LOCATION OF GENERAL DRAWINGS

DRAWING IDENTIFICATION SYSTEM

LETTER	DISCIPLINE
G	GENERAL
C	CIVIL
S	STRUCTURAL
GC	GENERAL CIVIL DETAILS
GS	GENERAL STRUCTURAL DETAILS

S-02
INDIVIDUAL DRAWING NUMBER
DISCIPLINE

NOTES:

- IF PLAN AND SECTION (OR DETAIL CALL-OUT AND DETAIL) ARE SHOWN ON SAME DRAWING, DRAWING NUMBER IS REPLACED BY A HORIZONTAL LINE.
- ELECTRICAL SYMBOLS SHOWN ON ELECTRICAL DRAWINGS. FOR WELDING SYMBOLS USE AMERICAN WELDING SOCIETY STANDARD SYMBOLS. SEE AMERICAN INSTITUTE OF STEEL CONSTRUCTION MANUAL.

	COORDINATE IDENTIFICATION
	ELEVATION INDICATOR
	SECTION CORNER
	BENCH MARK
	MONUMENT INDICATOR
	POTHOLE
	TEST HOLE
	BORING HOLE
	SECTION LINE
	PROPERTY LINE
	EASEMENT
	PARCEL
	RIGHT-OF-WAY
	NEW ASPHALT
	EXISTING ASPHALT
	CENTERLINE
	CONTOUR LINE, FINISHED GRADE
	CONTOUR LINE, EXISTING GRADE
	FINISHED ELEVATION
	EXISTING ELEVATION
	CUT OR FILL SLOPE TO BE CONSTRUCTED
	SILT FENCE
	FENCE
	RAILING
	DITCH
	CULVERT
	RIPRAP
	TREE LINE/VEGETATION
	EXISTING STRUCTURE OR FACILITY
	NEW STRUCTURE OR FACILITY
	FUTURE STRUCTURE OR FACILITY
	NEW PIPELINE (CIVIL SHEETS)
	NEW PIPELINE 10" DIA AND SMALLER (CIVIL SHEETS)
	EXISTING UTILITY PIPELINE
	ATMS
	CABLE
	COMMUNICATION BURIED
	COMMUNICATION OVERHEAD
	ELECTRICAL BURIED
	ELECTRICAL OVERHEAD
	FIBER OPTICS OVERHEAD
	FIBER OPTICS UNDERGROUND
	GAS
	IRRIGATION
	PETROLEUM LINE
	SANITARY SEWER
	STORM DRAIN
	TELEPHONE BURIED
	TELEPHONE OVERHEAD
	WATERLINE
	CABLE BOX
	CATCH BASIN
	ELECTRICAL BOX
	HYDRANT
	GAS MANHOLE
	SEWER MANHOLE
	STORM DRAIN MANHOLE
	TELEPHONE MANHOLE
	WATER MANHOLE
	WATER METER

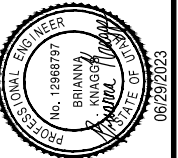
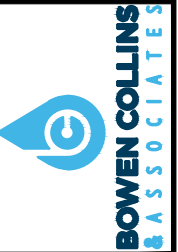
	POWER POLE
	TELEPHONE BOX
	LIGHT POLE ONE LUMINAIRE
	LIGHT POLE TWO LUMINAIRES
	LIGHT POLE
	STREET LIGHT WITH BRACKET
	TO BE REMOVED OR ABANDONED
	MASONRY
	STEEL
	ASPHALT
	INSULATION
	GRAVEL
	CONCRETE
	EARTH
	SAND
	ALUMINUM OR METAL DECKING
	CHECKERED PLATE
	GRATING
	PLASTIC, RUBBER OR NEOPRENE
	WOOD (ROUGH FRAMING) OR, OPENING OR DEPRESSION IN SLAB OR WALL
	FHC FIRE HOSE CABINET
	FE FIRE EXTINGUISHER
	UNIT HEATER
	PCOTG PRESSURE CLEANOUT TO GRADE
	WCO WALL CLEANOUT
	FCO FLOOR CLEANOUT
	COTG CLEANOUT TO GRADE
	BLOW OFF ASSEMBLY
	HUB DRAIN
	FLOOR DRAIN
	FLOOR SINK
	DRAIN TRAP
	CHANGE IN PIPING MATERIAL
	PIPE SIZE AND TYPE/FLUID ABBREVIATION (USE FOR EXISTING PIPE CALLOUT)
	PIPE CALLOUT (SEE PIPING SCHEDULE)
	EQUIPMENT NUMBER (SEE EQUIPMENT SCHEDULE)
	STOP GATE
	SLIDE GATE
	SLUICE GATE
	GATE VALVE
	HOSE BIBB (H/B)
	REDUCER OR INCREASER
	LIQUID SURFACE EL
	REVISION WORK
	REFERENCE TO NOTE

UPRR GENERAL CONSTRUCTION REQUIREMENTS:

- ALL WORK WITHIN 25' OF TRACK, OVER TRACK, OR WITH POTENTIAL TO FOUL TRACK REQUIRES UPRR FLAGMAN TO BE ON SITE. THIS REQUIREMENT IS NON-NEGOTIABLE.
- ALL EQUIPMENT, MATERIALS, AND PERSONNEL SHALL REMAIN OUTSIDE THE MINIMUM CONSTRUCTION CLEARANCE ENVELOPE, EXCEPT WHEN WITHIN PRE-DETERMINED TRACK CURFEWS.
- ALL PERSONNEL MUST CLEAR THE AREA WITHIN 25 FEET OF THE TRACK CENTERLINE AND SECURE ALL EQUIPMENT DURING THE APPROACH AND PASSAGE OF A TRAIN.
- EQUIPMENT SHALL NOT BE SUPPORTED BY THE TRACK BALLAST, SUB-BALLAST, TIES OR RAILS AT ANY TIME.
- STORAGE AND STAGING AREAS ARE NOT PERMITTED WITHIN UPRR RIGHT OF WAY, EXCEPT WITHIN PRE-APPROVED ZONES SUCH AS EASEMENTS.
- TEMPORARY TRACK CROSSINGS MUST BE APPROVED BY UPRR'S LOCAL OPERATING UNIT AND UPRR MANAGER OF INDUSTRY AND PUBLIC PROJECTS PRIOR TO START OF CONSTRUCTION.
- TRACK CROSSINGS AND USE OF UPRR ACCESS ROADS/HAUL ROADS MUST BE COORDINATED WITH UPRR'S LOCAL MANAGER OF TRACK MAINTENANCE (AND YARD MASTER, IF WITHIN YARD LIMITS).
- TEMPORARY DRAINAGE STRUCTURES AND/OR BMP'S SHALL NOT DIRECT STORMWATER TOWARDS UPRR TRACKS OR ACCESS ROADS.
- UNATTENDED EXCAVATIONS WITHIN UPRR RIGHT OF WAY SHALL BE PROPERLY SECURED BY FENCING AND/OR COVERING(S) PER OSHA REQUIREMENTS.
- ALL UTILITIES WITHIN UPRR RIGHT OF WAY MUST BE IDENTIFIED AND MARKED PRIOR TO START OF CONSTRUCTION, UPRR CALL BEFORE YOU DIG: UP.COM/CBUD

GENERAL NOTES

- COORDINATE WITH SOUTH JORDAN CITY AND JERRY SEINER AUTOMOBILE DEALERSHIPS DURING TEMPORARY CLOSURE OF 300 W WHILE REPLACING THE BOX CULVERT.



NO.	DATE	REV. BY	DESCRIPTION

SOUTH JORDAN CITY		SOUTH JORDAN, UTAH	
300 WEST DRY CREEK BOX CULVERT REPLACEMENT			
DESIGN	REVIEW	CHECKED	APPROVED
B. KNAGGS	C. BAGLEY	C. BAGLEY	B. KNAGGS
DESIGN	REVIEW	CHECKED	APPROVED
B. KNAGGS	C. BAGLEY	C. BAGLEY	B. KNAGGS

GENERAL	PROJECT NUMBER
GENERAL NOTES AND SYMBOLS	009-22-02
DATE:	JUNE 2023

DRAWING NO.	G-03
SHEET	03 OF 15

1.1 SOUTH JORDAN CITY GENERAL NOTES

1. ALL WORK DONE OR IMPROVEMENTS INSTALLED WITHIN SOUTH JORDAN CITY INCLUDING BUT NOT LIMITED TO EXCAVATION, CONSTRUCTION, ROADWORK AND UTILITIES SHALL CONFORM TO THE SOUTH JORDAN CITY CONSTRUCTION STANDARDS AND SPECIFICATIONS, CITY MUNICIPAL CODE, THE LATEST EDITION OF THE APWA MANUAL OF STANDARD SPECIFICATIONS AND MANUAL OF STANDARD PLANS, THE LATEST EDITION OF THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES (MUTCD) AND ANY STATE OR FEDERAL REGULATIONS AND PERMIT REQUIREMENTS OF VARIOUS GOVERNING BODIES. THE CONTRACTOR IS RESPONSIBLE TO HAVE A COPY OF THESE SPECIFICATIONS AND TO KNOW AND CONFORM TO THE APPROPRIATE CODES, REGULATIONS, DRAWINGS, STANDARDS AND SPECIFICATIONS.
2. THE EXISTENCE AND LOCATION OF ANY OVERHEAD OR UNDERGROUND UTILITY LINES, PIPES, OR STRUCTURES SHOWN ON THESE PLANS ARE OBTAINED BY A RESEARCH OF THE AVAILABLE RECORDS. EXISTING UTILITIES ARE LOCATED ON PLANS ONLY FOR THE CONVENIENCE OF THE CONTRACTOR. THE CONTRACTOR SHALL BEAR FULL RESPONSIBILITY FOR THE PROTECTION OF UTILITIES AND THE ENGINEER BEARS NO RESPONSIBILITY FOR UTILITIES NOT SHOWN ON THE PLANS OR NOT IN THE LOCATION SHOWN ON THE PLANS. THIS INCLUDES ALL SERVICE LATERALS OF ANY KIND. THE CONTRACTOR SHALL, AT HIS OWN EXPENSE, LOCATE ALL UNDERGROUND AND OVERHEAD INTERFERENCES, WHICH MAY AFFECT HIS OPERATION DURING CONSTRUCTION AND SHALL TAKE ALL NECESSARY PRECAUTIONS TO AVOID DAMAGE TO SAME. THE CONTRACTOR SHALL USE EXTREME CAUTION WHEN WORKING NEAR OVERHEAD UTILITIES SO AS TO SAFELY PROTECT ALL PERSONNEL AND EQUIPMENT, AND SHALL BE RESPONSIBLE FOR ALL COST AND LIABILITY IN CONNECTION THEREWITH.
3. THE CONTRACTOR SHALL TAKE ALL PRECAUTIONARY MEASURES NECESSARY TO PROTECT EXISTING UTILITY LINES, STRUCTURES, SURVEY MONUMENTS AND STREET IMPROVEMENTS WHICH ARE TO REMAIN IN PLACE, FROM DAMAGE, AND ALL SUCH IMPROVEMENTS OR STRUCTURES DAMAGED BY THE CONTRACTOR'S OPERATIONS SHALL BE REPAIRED OR REPLACED SATISFACTORY TO THE CITY ENGINEER AND OWNING UTILITY COMPANY AT THE EXPENSE OF THE CONTRACTOR.
4. ALL CONSTRUCTION SHALL BE AS SHOWN ON THESE PLANS, ANY REVISIONS SHALL HAVE THE PRIOR WRITTEN APPROVAL OF THE CITY ENGINEER.
5. PERMITS ARE REQUIRED FOR ANY WORK IN THE PUBLIC WAY. THE CONTRACTOR SHALL SECURE ALL PERMITS AND INSPECTIONS REQUIRED FOR THIS CONSTRUCTION.
6. CURB, GUTTER, AND SIDEWALK, FOUND TO BE UNACCEPTABLE PER CITY STANDARDS AND APWA SHALL BE REMOVED AND REPLACED.
7. CONTRACTOR SHALL PROVIDE ALL NECESSARY HORIZONTAL AND VERTICAL TRANSITIONS BETWEEN NEW CONSTRUCTION AND EXISTING SURFACES TO PROVIDE FOR PROPER DRAINAGE AND FOR INGRESS AND EGRESS TO NEW CONSTRUCTION. THE EXTENT OF TRANSITIONS TO BE AS SHOWN ON PLANS.
8. ANY SURVEY MONUMENTS DISTURBED SHALL BE REPLACED AND ADJUSTED PER SALT LAKE COUNTY SURVEYORS REQUIREMENTS.
9. ALL CONSTRUCTION MATERIALS PER APWA MUST BE SUBMITTED AND APPROVED BY THE CITY ENGINEER PRIOR TO THE PLACEMENT OF ASPHALT WITHIN CITY RIGHT OF WAY.
10. REQUEST FOR INSPECTION BY THE CITY OF SOUTH JORDAN ENGINEERING DEPT. SHALL BE MADE BY THE CONTRACTOR AT LEAST 48 HOURS BEFORE THE INSPECTION SERVICES WILL BE REQUIRED, EXCEPT IN AN EMERGENCY AS DEFINED BY THE SOUTH JORDAN CITY MUNICIPAL CODE § 12.08.010.
11. WORK IN PUBLIC WAY, ONCE BEGUN, SHALL BE PROSECUTED TO COMPLETION WITHOUT DELAY AS TO PROVIDE MINIMUM INCONVENIENCE TO ADJACENT PROPERTY OWNERS AND TO THE TRAVELING PUBLIC.
12. THE CONTRACTOR SHALL TAKE ALL NECESSARY AND PROPER PRECAUTIONS TO PROTECT ADJACENT PROPERTIES FROM ANY AND ALL DAMAGE THAT MAY OCCUR FROM STORM WATER RUNOFF AND/OR DEPOSITION OF DEBRIS RESULTING FROM ANY AND ALL WORK IN CONNECTION WITH CONSTRUCTION.
13. POWER POLES AND/OR OTHER EXISTING FACILITIES NOT IN PROPER LOCATION BASED ON PROPOSED IMPROVEMENTS SHOWN HEREON WILL BE RELOCATED AT NO EXPENSE TO THE CITY OF SOUTH JORDAN. POWER LINES AND ALL OTHER AERIAL UTILITIES ARE TO BE BURIED AND POLES REMOVED AS DETERMINED BY THE CITY ENGINEER.

14. CONTRACTOR TO FOLLOW SALT LAKE COUNTY NOISE ORDINANCE STANDARDS.
15. CONTRACTORS ARE RESPONSIBLE FOR ALL OSHA REQUIREMENTS ON THE PROJECT SITE.
16. A UPDES (UTAH POLLUTANT DISCHARGE ELIMINATION SYSTEM) PERMIT IS REQUIRED FOR ALL CONSTRUCTION ACTIVITIES AS PER STATE LAW AS WELL AS PROVIDING A STORM WATER POLLUTION PREVENTION PLAN TO THE CITY.
17. DEVELOPER IS RESPONSIBLE FOR LOCATING AND REPAIRING ALL UNDERGROUND STREETLIGHT WIRES, WATER LINES, STORM DRAIN LINES AND IRRIGATION LINES UNTIL 90% OF THE BOND HAS BEEN RELEASED.
18. ALL CITY MAINTAINED UTILITIES INCLUDING; WATERLINE, FIRE HYDRANTS, STREETLIGHT WIRING, AND STORM DRAIN MUST BE IN PUBLIC RIGHT OF WAY OR IN RECORDED EASEMENTS.
19. CONTRACTOR SHALL WORK SOUTH JORDAN CITY REGULAR WORKING HOURS OF MONDAY THROUGH FRIDAY 7:00 AM TO 4:00 PM. IF CONTRACTOR PERMITS OVERTIME WORK OR WORK ON A SATURDAY, SUNDAY OR ANY LEGAL HOLIDAY, CONTRACTOR SHALL RECEIVE PRIOR APPROVAL BY CITY ENGINEER. CONTRACTOR SHALL OBTAIN ALL PERMITS AND PAY OVERTIME INSPECTION FEE'S TO THE CITY OF SOUTH JORDAN ON THE THURSDAY PRIOR TO THE SATURDAY, SUNDAY OR LEGAL HOLIDAY REQUESTED. THIS APPLIES TO ALL WORK WITHIN THE PUBLIC RIGHT OF WAY INCLUDING TRAFFIC CONTROL AND ACCESS.
20. PRIOR TO 90% BOND RELEASE, A LEGIBLE AS-BUILT DRAWING MUST BE SUBMITTED TO THE CITY OF SOUTH JORDAN STAMPED AND SIGNED BY A PROFESSIONAL ENGINEER. AS-BUILTS MUST SHOW ALL CHANGES AND ACTUAL FIELD LOCATIONS OF STORM DRAINAGE, WATERLINES, IRRIGATION, STREET LIGHTING, AND POWER. AS-BUILTS WILL BE HELD TO THE SAME STANDARD AS APPROVED DESIGN DRAWINGS, NO "REDLINED PLANS" ALLOWED. IN THE ABSENCE OF CHANGES, COPIES OF THE APPROVED DRAWINGS WILL BE REQUIRED STATING "INSTALLED AS PER DRAWINGS". AS-BUILT DRAWINGS FOR NEW DEVELOPMENTS SHALL BE SUBMITTED TO THE CITY IN THE FOLLOWING FORMATS AND QUANTITIES PRIOR TO THE 90% BOND RELEASE: 1 .DXF COPY, 1 .PDF COPY.
21. FILTER FABRIC WRAPPED AROUND AN INLET GRATE IS NOT AN ACCEPTABLE INLET SEDIMENT BARRIER. SEE CHAPTER 9 OF SOUTH JORDAN CITY CONSTRUCTION STANDARDS AND SPECIFICATIONS FOR DETAILS OF APPROVED STORM WATER BMPS.
22. ASPHALT PAVING BETWEEN OCTOBER 15 AND APRIL 15 IS NOT ALLOWED WITHOUT A WRITTEN EXCEPTION FROM THE ENGINEERING DEPARTMENT.
23. TO ENSURE PROPER PLANTING, PROTECTION AND IRRIGATION OF TREES, MITIGATING RISK OF TREE FAILURE OR FUTURE DAMAGE TO INFRASTRUCTURE, CONTRACTORS ARE REQUIRED TO FOLLOW THE STANDARDS AND SPECIFICATIONS OF THE ISA - INTERNATIONAL SOCIETY OF ARBORICULTURE.
24. ALL SMALL CELL CONSTRUCTION MUST FOLLOW THE SOUTH JORDAN CITY SMALL CELL INFRASTRUCTURE DESIGN GUIDELINES.
25. WHEN A PROPOSED DEVELOPMENT BORDERS A COLLECTOR, MINOR COLLECTOR OR ARTERIAL STREET AND IS REQUIRED TO CONSTRUCT COLLECTOR STREET FENCING ALONG THE BACK OF SIDEWALK, THE DEVELOPMENT SHALL ALSO BE REQUIRED TO PUT IN A CONCRETE MOW STRIP FROM THE BACK OF SIDEWALK TO UNDERNEATH THE FENCE PANELS. CONCRETE MOW STRIPS SHALL ALSO BE REQUIRED BETWEEN THE SIDEWALK AND FENCING ALONG THE REAR OF DOUBLE FRONTAGE LOTS.


1.2 CITY OF SOUTH JORDAN TRAFFIC NOTES

26. IF THE IMPROVEMENTS NECESSITATE THE OBLITERATION, TEMPORARY OBSTRUCTION, TEMPORARY REMOVAL OR RELOCATION OF ANY EXISTING TRAFFIC PAVEMENT MARKING, SUCH PAVEMENT MARKING SHALL BE RESTORED OR REPLACED WITH LIKE MATERIALS TO THE SATISFACTION OF THE CITY ENGINEER, PUBLIC WORKS DIRECTOR OR DESIGNEE.
27. THE CONTRACTOR SHALL BE RESPONSIBLE FOR PROVIDING AND INSTALLING ALL PERMANENT SIGNS SHOWN ON THE PLANS. STREET NAME SIGNS SHALL CONFORM IN THEIR ENTIRETY TO CURRENT CITY STANDARDS. ALL OTHER SIGNS SHALL BE STANDARD SIZE UNLESS OTHERWISE SPECIFIED ON THE PLANS. ALL SIGN POSTS SHALL BE INSTALLED IN ACCORDANCE WITH THE CURRENT CITY STANDARDS.

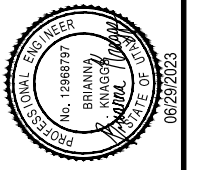
1.4 CITY OF SOUTH JORDAN GRADING NOTES

39. IN THE EVENT THAT ANY UNFORESEEN CONDITIONS NOT COVERED BY THESE NOTES ARE ENCOUNTERED DURING GRADING OPERATIONS, THE OWNER AND CITY ENGINEER SHALL BE IMMEDIATELY NOTIFIED FOR DIRECTION.
40. IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO PERFORM ALL NECESSARY CUTS AND FILLS WITHIN THE LIMITS OF THIS PROJECT AND THE RELATED OFF-SITE WORK, SO AS TO GENERATE THE DESIRED SUBGRADE, FINISH GRADES AND SLOPES SHOWN.
41. CONTRACTOR SHALL TAKE FULL RESPONSIBILITY FOR ALL EXCAVATION. ADEQUATE SHORING SHALL BE DESIGNED AND PROVIDED BY THE CONTRACTOR TO PREVENT UNDERMINING OF ANY ADJACENT FEATURES OR FACILITIES AND/OR CAVING OF THE EXCAVATION.
42. THE CONTRACTOR IS WARNED THAT AN EARTHWORK BALANCE WAS NOT NECESSARILY THE INTENT OF THIS PROJECT. ANY ADDITIONAL MATERIAL REQUIRED OR LEFTOVER MATERIAL FOLLOWING EARTHWORK OPERATIONS BECOMES THE RESPONSIBILITY OF THE CONTRACTOR.
43. CONTRACTOR SHALL GRADE TO THE LINES AND ELEVATIONS SHOWN ON THE PLANS WITHIN THE FOLLOWING HORIZONTAL AND VERTICAL TOLERANCES AND DEGREES OF COMPACTION, IN THE AREAS INDICATED:

	HORIZONTAL	VERTICAL	COMPACTION
PAVEMENT AREA SUBGRADE	0.1'+	+0.0'	TO -0.1'
SEE SOILS ENGINEERED FILL	0.5'+	+0.1'	TO -0.1'
SEE SOILS COMPACTION TESTING WILL BE PERFORMED BY THE DEVELOPER OR HIS REPRESENTATIVE.			
44. ALL CUT AND FILL SLOPES SHALL BE PROTECTED UNTIL EFFECTIVE EROSION CONTROL HAS BEEN ESTABLISHED.
45. THE USE OF POTABLE WATER WITHOUT A SPECIAL PERMIT FOR BUILDING OR CONSTRUCTION PURPOSES INCLUDING CONSOLIDATION OF BACKFILL OR DUST CONTROL IS PROHIBITED. THE CONTRACTOR SHALL OBTAIN ALL NECESSARY PERMITS FOR CONSTRUCTION WATER FROM THE PUBLIC WORKS DEPARTMENT.
46. THE CONTRACTOR SHALL MAINTAIN THE STREETS, SIDEWALKS AND ALL OTHER PUBLIC RIGHT-OF- WAY IN A CLEAN, SAFE AND USABLE CONDITION. ALL SPILLS OF SOIL, ROCK OR CONSTRUCTION DEBRIS SHALL BE PROMPTLY REMOVED FROM THE PUBLICLY OWNED PROPERTY DURING CONSTRUCTION AND UPON COMPLETION OF THE PROJECT. ALL ADJACENT PROPERTY, PRIVATE OR PUBLIC SHALL BE MAINTAINED IN A CLEAN, SAFE AND USABLE CONDITION.
47. IN THE EVENT THAT ANY TEMPORARY CONSTRUCTION ITEM IS REQUIRED THAT IS NOT SHOWN ON THESE DRAWINGS, THE DEVELOPER AGREES TO PROVIDE AND INSTALL SUCH ITEM AT HIS OWN EXPENSE AND AT THE DIRECTION OF THE CITY ENGINEER. TEMPORARY CONSTRUCTION INCLUDES DITCHES, BERMS, ROAD SIGNS AND BARRICADES, ETC.



BOWEN COLLINS ASSOCIATES



PROFESSIONAL ENGINEER
No. 12988797
BRANNA KNAGGS
STATE OF UTAH
06/29/2023

NO.	DATE	REV. BY	DESCRIPTION

SOUTH JORDAN CITY

300 WEST DRY CREEK BOX CULVERT REPLACEMENT

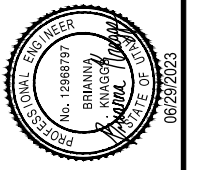
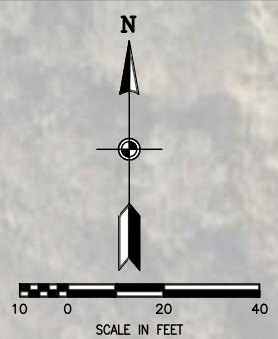
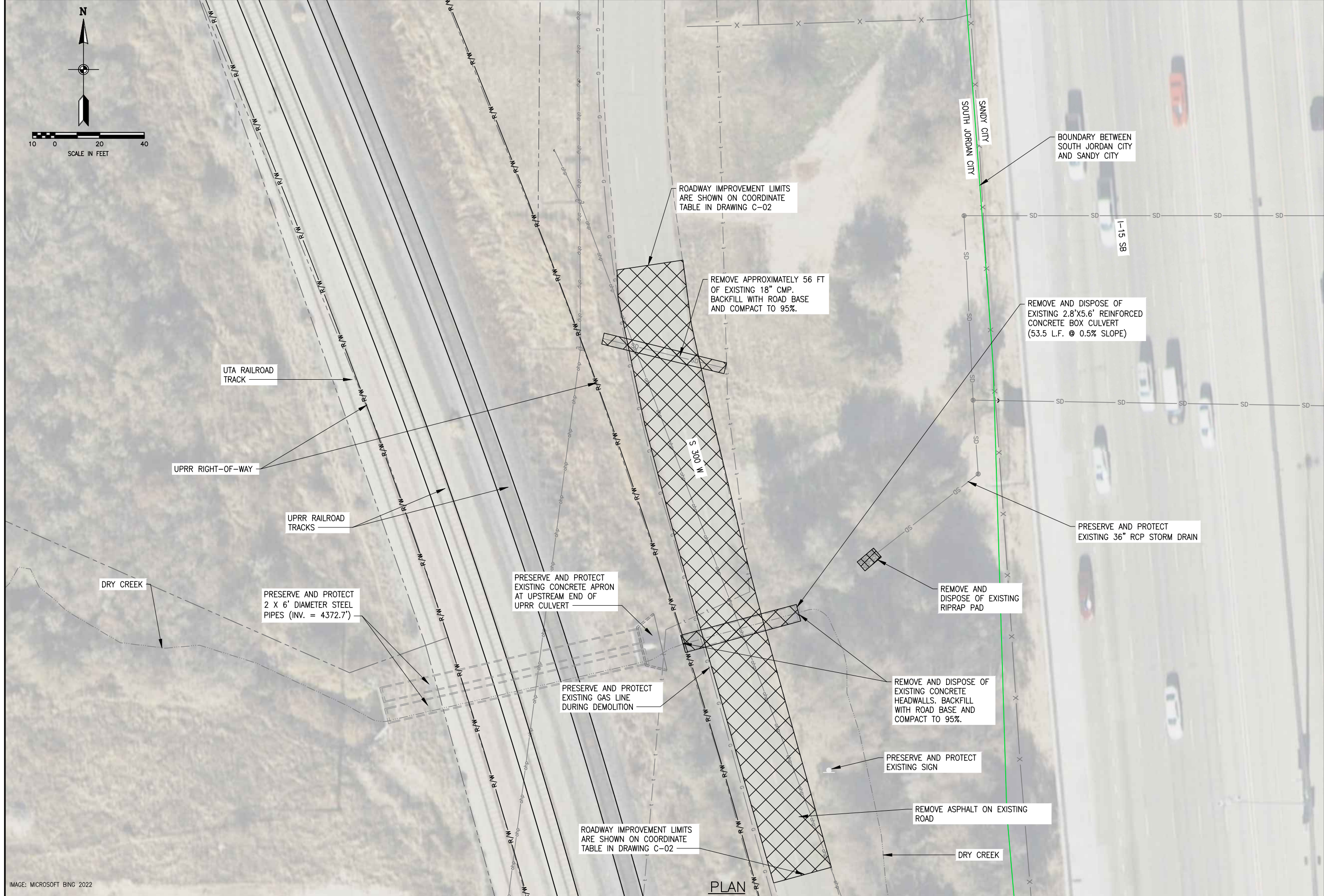
SOUTH JORDAN, UTAH

DESIGN DESIGN: B. KNAGGS DRAWN: B. KNAGGS	REVIEW CHECKED: C. BAGLEY APPROVED: B. KNAGGS	VERIFY SCALE BAR IS ONE INCH ON ORIGINAL DRAWING	
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DATE: JUNE 2023 PROJECT NUMBER: 009-22-02

DRAWING NO. **G-04**

SHEET **04** OF **15**



NO.	DATE	REV. BY	DESCRIPTION

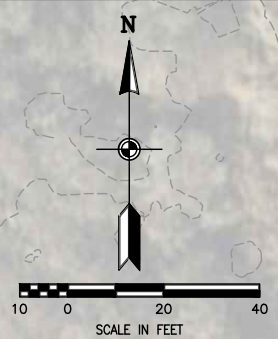
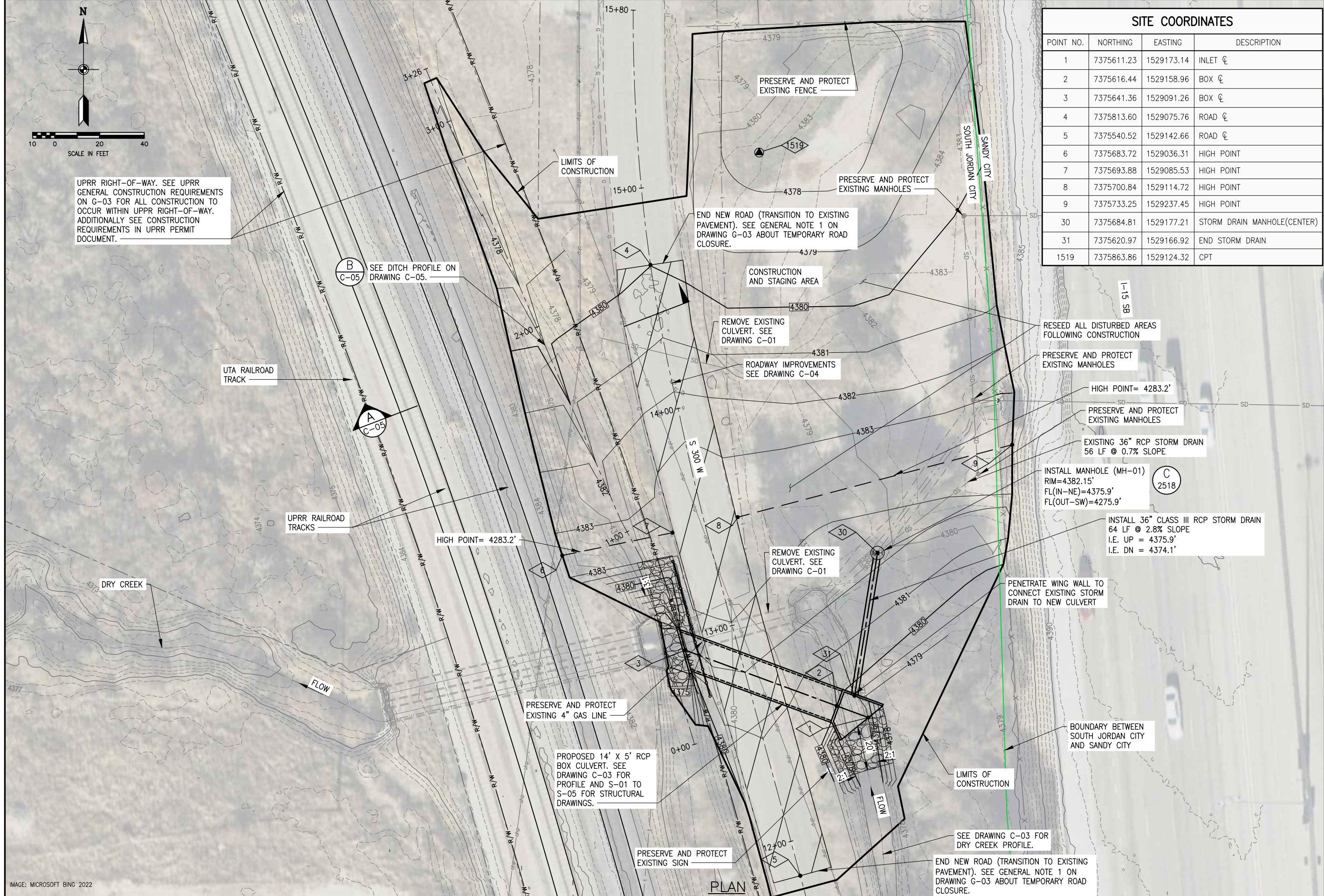
VERIFY SCALE
 BAR IS ONE INCH ON ORIGINAL DRAWING

REVIEW
 CHECKED: C. BAGLEY
 APPROVED: B. KNAGGS

DESIGN
 DESIGN: B. KNAGGS
 DRAWN: B. KNAGGS

DEMOLITION PLAN
 PROJECT NUMBER: 009-22-02
 DATE: JUNE 2023

DRAWING NO. **C-01**
 SHEET **05** OF **15**



UPRR RIGHT-OF-WAY. SEE UPRR GENERAL CONSTRUCTION REQUIREMENTS ON G-03 FOR ALL CONSTRUCTION TO OCCUR WITHIN UPRR RIGHT-OF-WAY. ADDITIONALLY SEE CONSTRUCTION REQUIREMENTS IN UPRR PERMIT DOCUMENT.

B
C-05 SEE DITCH PROFILE ON DRAWING C-05.

A
C-05

C
2518

SITE COORDINATES

POINT NO.	NORTHING	EASTING	DESCRIPTION
1	7375611.23	1529173.14	INLET ☐
2	7375616.44	1529158.96	BOX ☐
3	7375641.36	1529091.26	BOX ☐
4	7375813.60	1529075.76	ROAD ☐
5	7375540.52	1529142.66	ROAD ☐
6	7375683.72	1529036.31	HIGH POINT
7	7375693.88	1529085.53	HIGH POINT
8	7375700.84	1529114.72	HIGH POINT
9	7375733.25	1529237.45	HIGH POINT
30	7375684.81	1529177.21	STORM DRAIN MANHOLE(CENTER)
31	7375620.97	1529166.92	END STORM DRAIN
1519	7375863.86	1529124.32	CPT

NO.	DATE	REV. BY	DESCRIPTION

300 WEST DRY CREEK BOX CULVERT REPLACEMENT

SOUTH JORDAN CITY
SOUTH JORDAN, UTAH

DESIGN: B. KNAGGS
DRAWN: B. KNAGGS

REVIEW: C. BAGLEY
CHECKED: C. BAGLEY

APPROVED: B. KNAGGS

VERIFY SCALE: BAR IS ONE INCH ON ORIGINAL DRAWING

CIVIL

SITE GRADING PLAN

DATE: JUNE 2023
PROJECT NUMBER: 009-22-02

IMAGE: MICROSOFT BING 2022

P:\Sandy City\009-22-00 300 W Dry Creek Culvert\2.0 Design Phase\2.7 Drawing\ahf\0092200_C-02.dwg Plotted: 6/30/2023 7:49 AM By: Brianna Knaggs

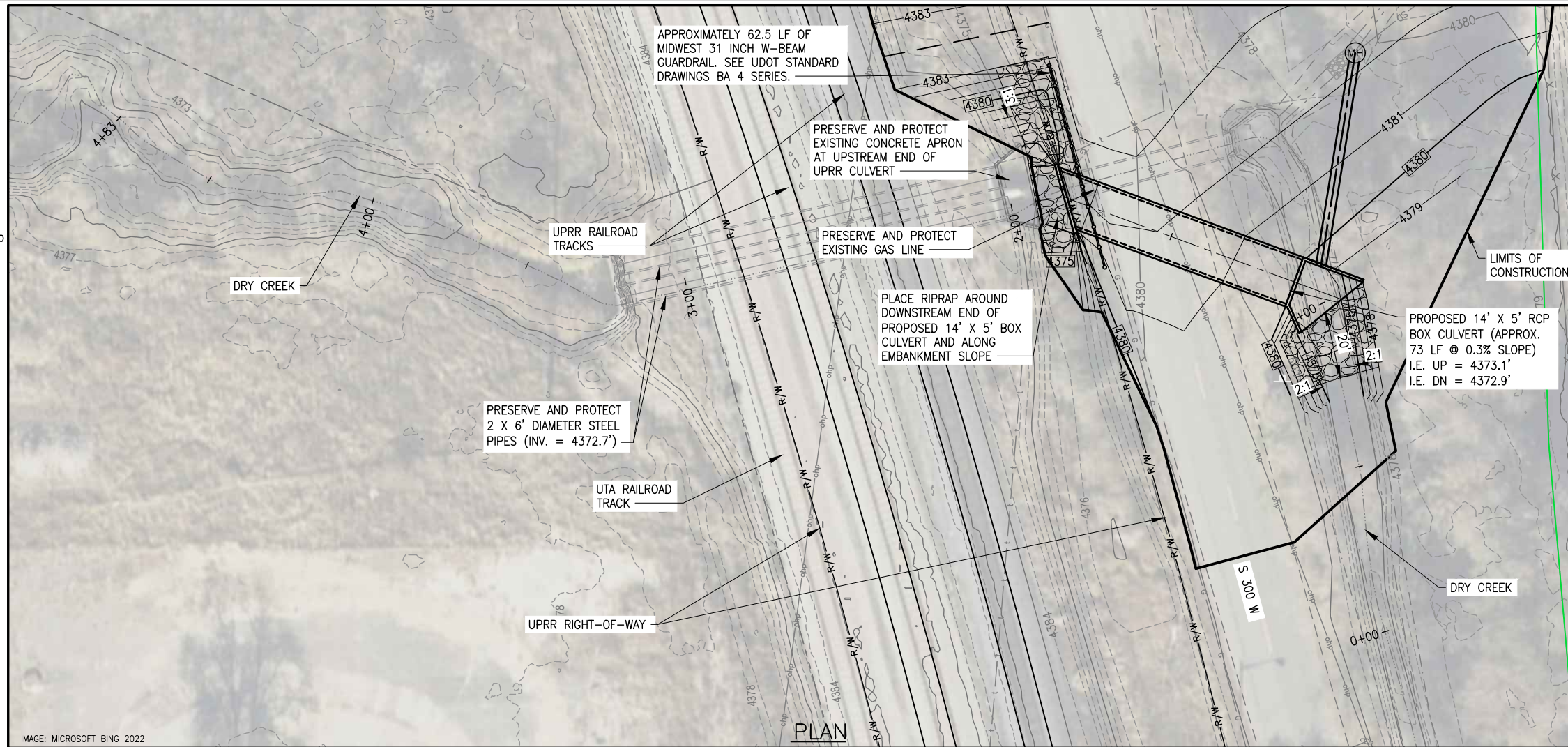
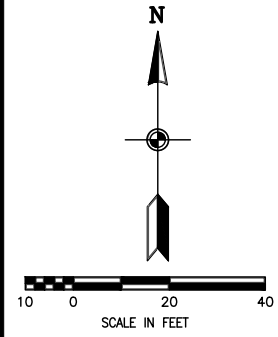
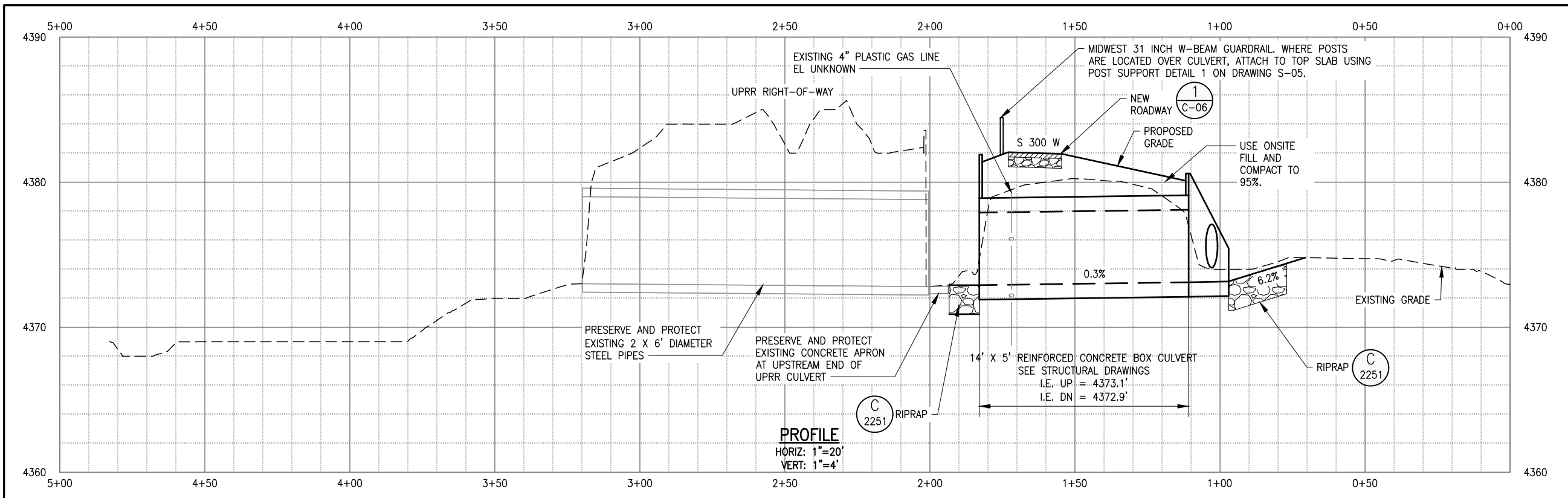



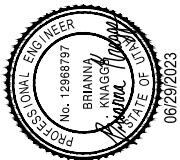
IMAGE: MICROSOFT BING 2022



PROFILE
 HORIZ: 1"=20'
 VERT: 1"=4'



BOWEN COLLINS & ASSOCIATES



NO.	DATE	REV. BY	DESCRIPTION

300 WEST DRY CREEK BOX CULVERT REPLACEMENT

VERIFIED SCALE: 1"=40'

BAR IS ONE INCH ON ORIGINAL DRAWING

DESIGN	REVIEW	CHECKED	APPROVED
B. KNAGGS	C. BAGLEY	B. KNAGGS	B. KNAGGS

DRY CREEK CHANNEL PLAN AND PROFILE

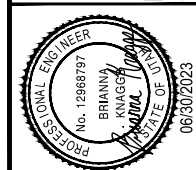
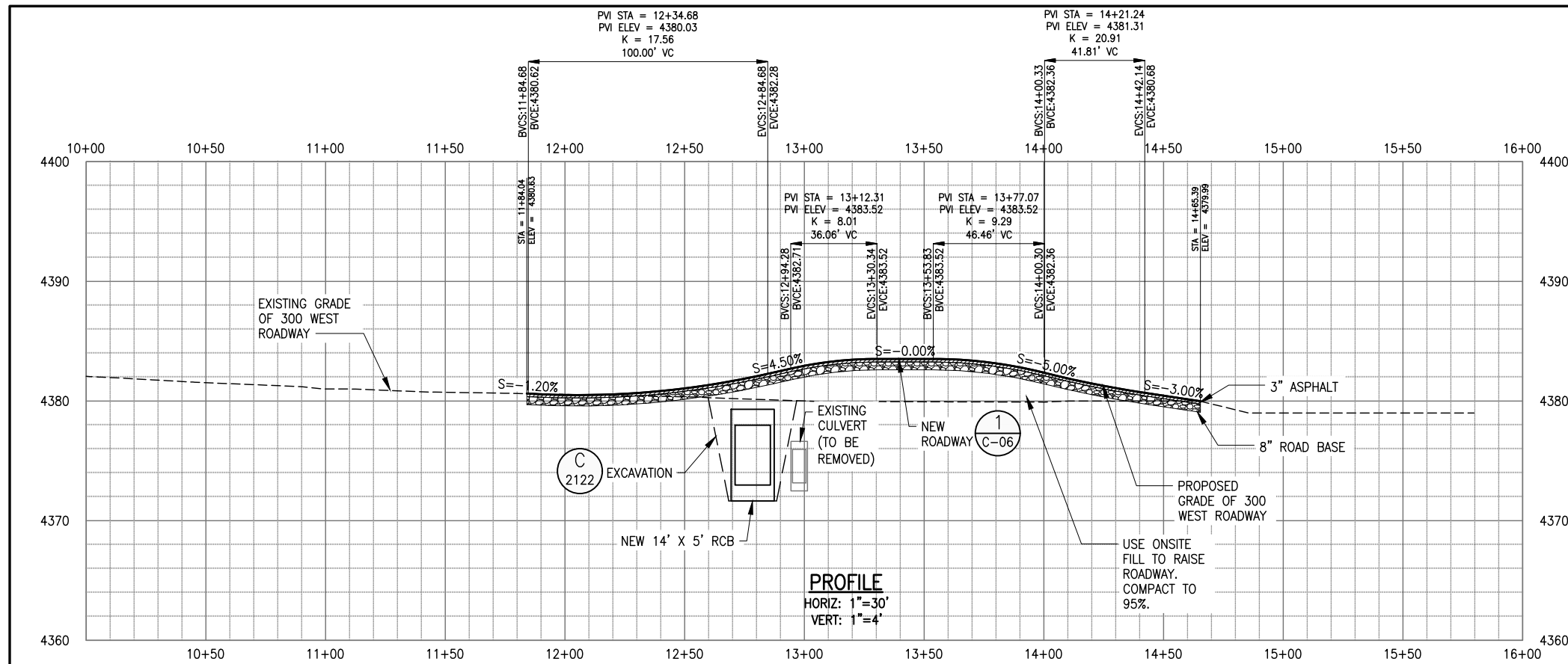
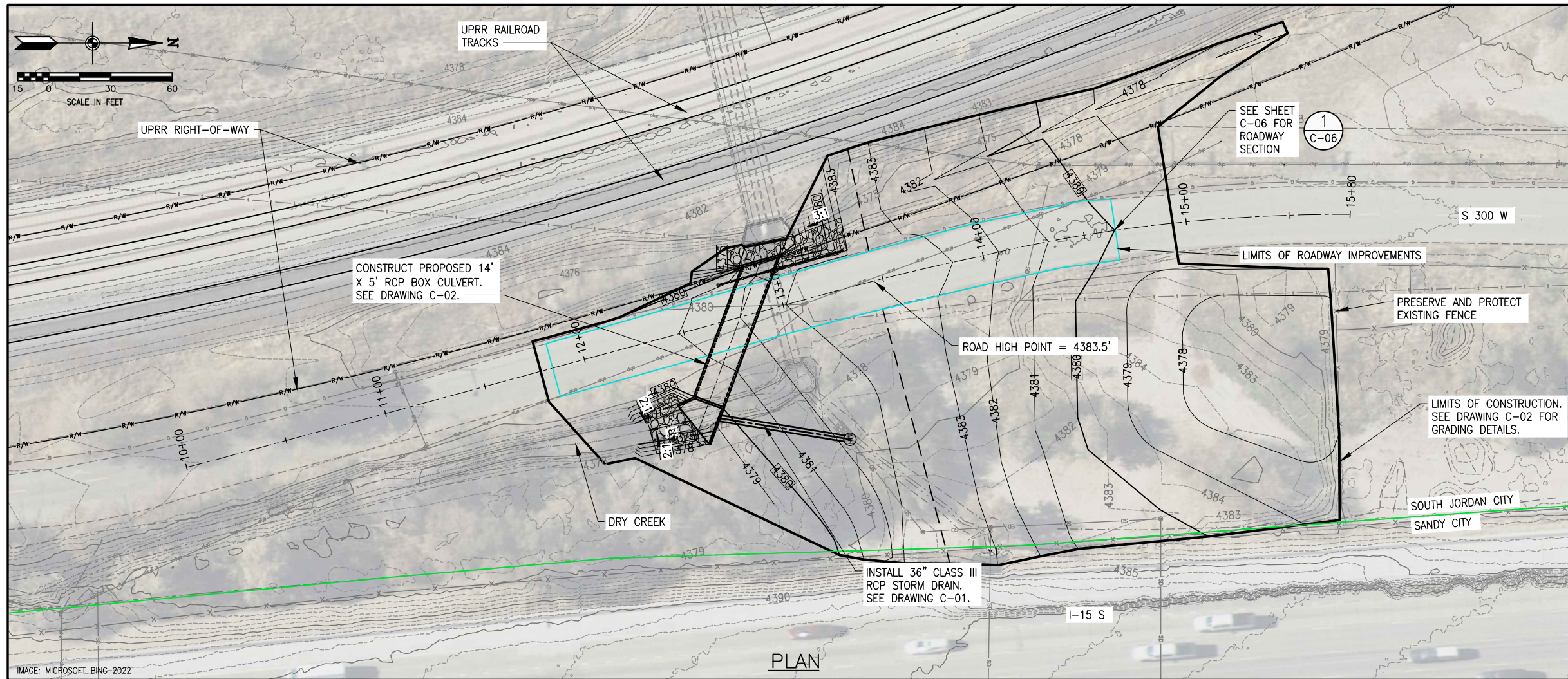
CIVIL

DATE: JUNE 2023

PROJECT NUMBER: 009-22-02

DRAWING NO. **C-03**

SHEET **07** OF **15**



NO.	DATE	REV. BY	DESCRIPTION

VERIFY SCALE
BAR IS ONE INCH ON ORIGINAL DRAWING

DESIGN: B. KNAGGS
CHECKED: C. BAGLEY
APPROVED: B. KNAGGS

REVIEW: C. BAGLEY
APPROVED: B. KNAGGS

SOUTH JORDAN CITY
300 WEST DRY CREEK BOX CULVERT REPLACEMENT
SOUTH JORDAN, UTAH

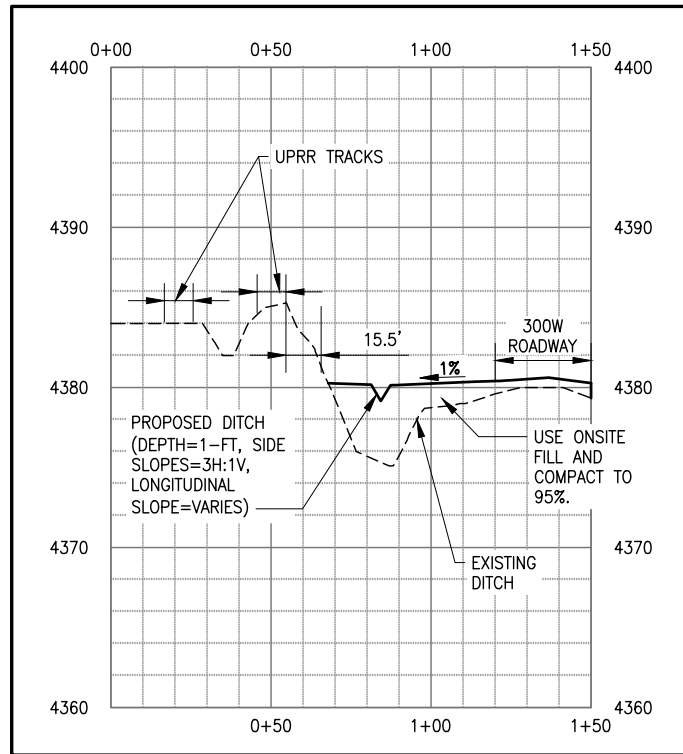
CIVIL
300 WEST ROAD IMPROVEMENTS PLAN AND DPROFILE

DATE: JUNE 2023
PROJECT NUMBER: 009-22-02

DRAWING NO.
C-04

SHEET 08 OF 15

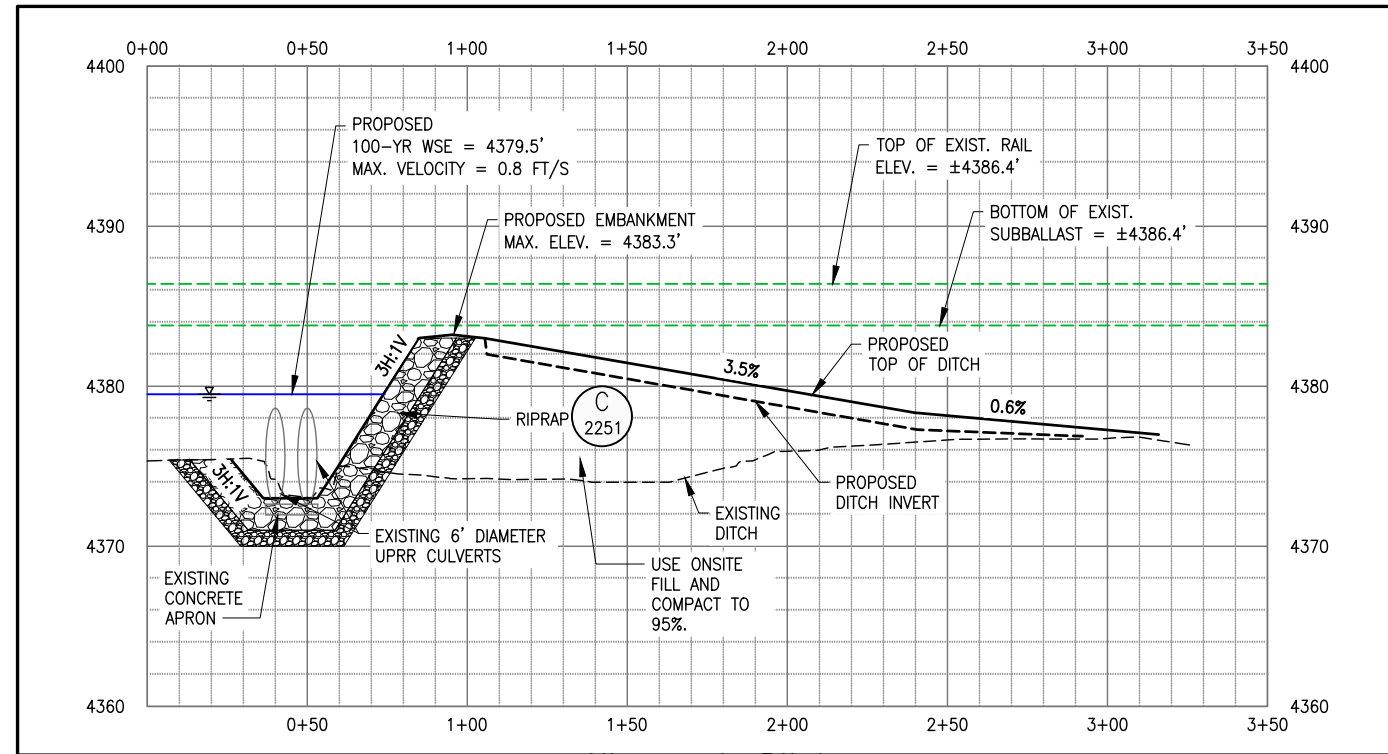
P:\Sandy City\009-22-00 300 W Dry Creek Culvert\2.0 Design Phase\2.7 Drawings\10092200_C-04.dwg Plotted: 6/30/2023 8:00 AM By: Brianna Knaggs



CROSS SECTION AT UPRR TRACKS

SCALE: HORZ. 1"=30'
VERT. 1"=5'

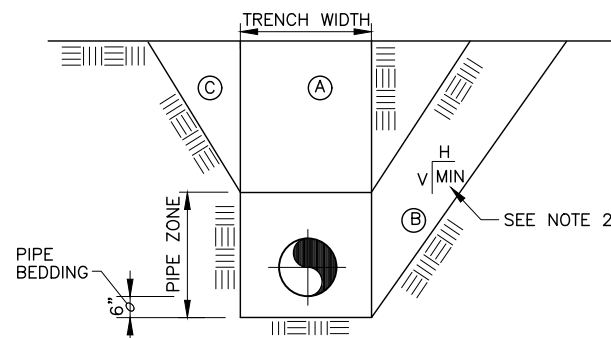
(A)
C-02



DITCH AND EMBANKMENT PROFILE

SCALE: HORZ. 1"=30'
VERT. 1"=5'

(B)
C-02



TYPICAL TRENCH EXCAVATION SECTION

ALTERNATE TRENCH SECTIONS (A) (B) & (C)
(A) VERTICAL TRENCH WALL
MAX UNSUPPORTED HEIGHT=3.5 FT.
FOR DEPTH OVER 3.5 FT SHORING OR SHEATHING REQUIRED.

NOT TO BE USED WITHOUT APPROVAL OF ENGINEER.
REQUIRES IMPROVED PIPE ZONE BACKFILL OR INCREASE IN PIPE CLASS

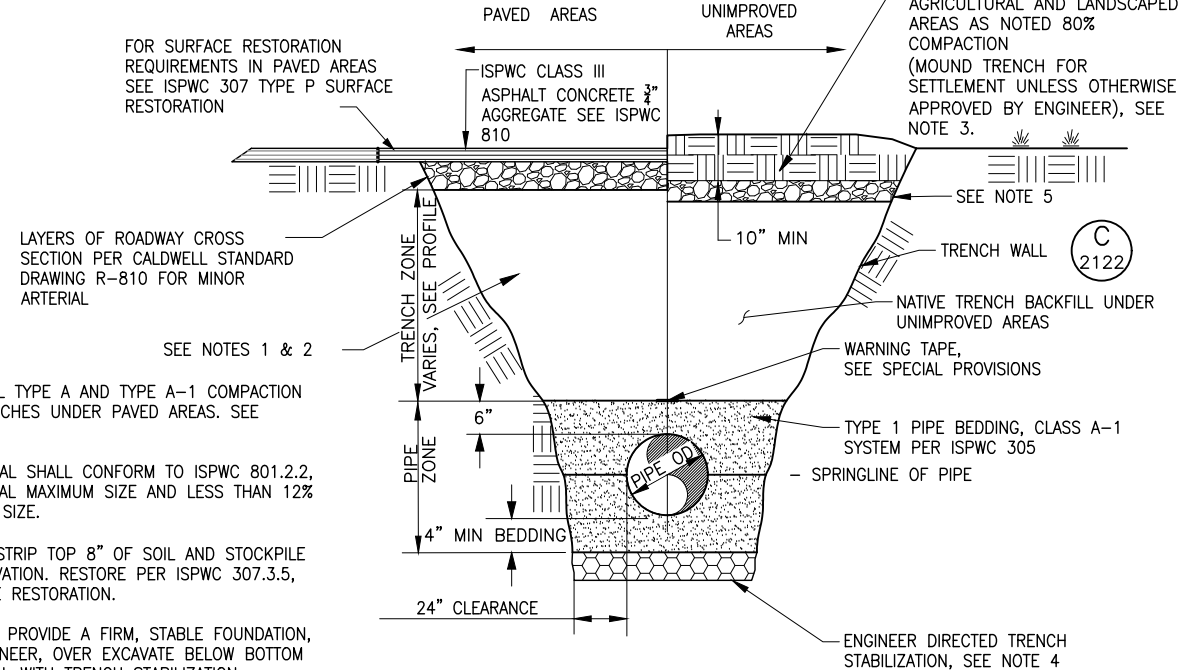
COMBINATION VERTICAL/SLOPING TRENCH
TRENCH IN PIPE ZONE SHALL HAVE VERTICAL WALLS WHERE STABLE SOIL EXISTS.

1. TRENCH EXCAVATIONS TO BE IN ACCORDANCE WITH OSHA SAFETY AND HEALTH STANDARDS FOR CONSTRUCTION. (29 CFR 1926).
2. CONTRACTOR TO PROVIDE SHORING OR TRENCH BOX IN ROADWAY AREAS TO MINIMIZE TRENCH WIDTH.
3. CONTRACTOR TO PROVIDE ALL DEWATERING MEASURES AS REQUIRED. GROUNDWATER ELEVATION SHALL BE MAINTAINED 2- FEET BELOW BOTTOM OF TRENCH UNTIL BACKFILL IS COMPLETE.

TYPICAL TRENCH EXCAVATION SECTION

NTS

(C)
2122



TYPICAL TRENCH BACKFILL SECTION

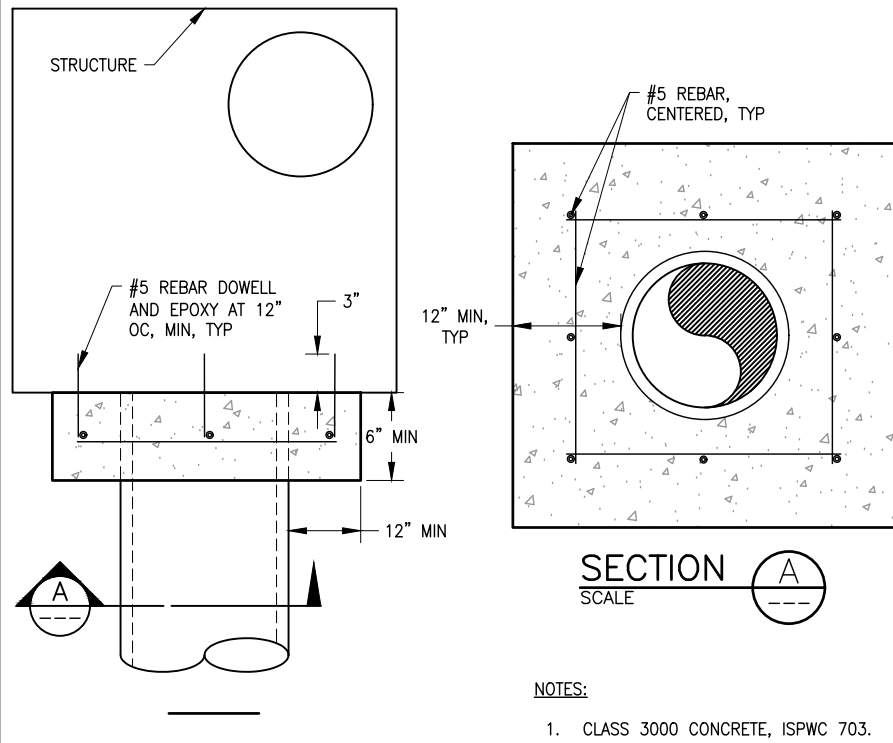
NTS

(C)
2124

NO.	DATE	REV. BY	DESCRIPTION

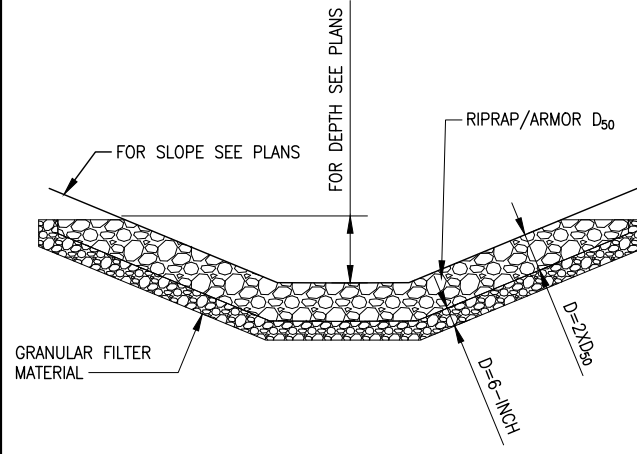
DESIGN B. KNAGGS	CHECKED C. BAGLEY	VERIFY SCALE BAR IS ONE INCH ON ORIGINAL DRAWING
		REVIEW B. KNAGGS
APPROVED B. KNAGGS	SOUTH JORDAN CITY SOUTH JORDAN, UTAH	

CIVIL	PROJECT NUMBER 009-22-02



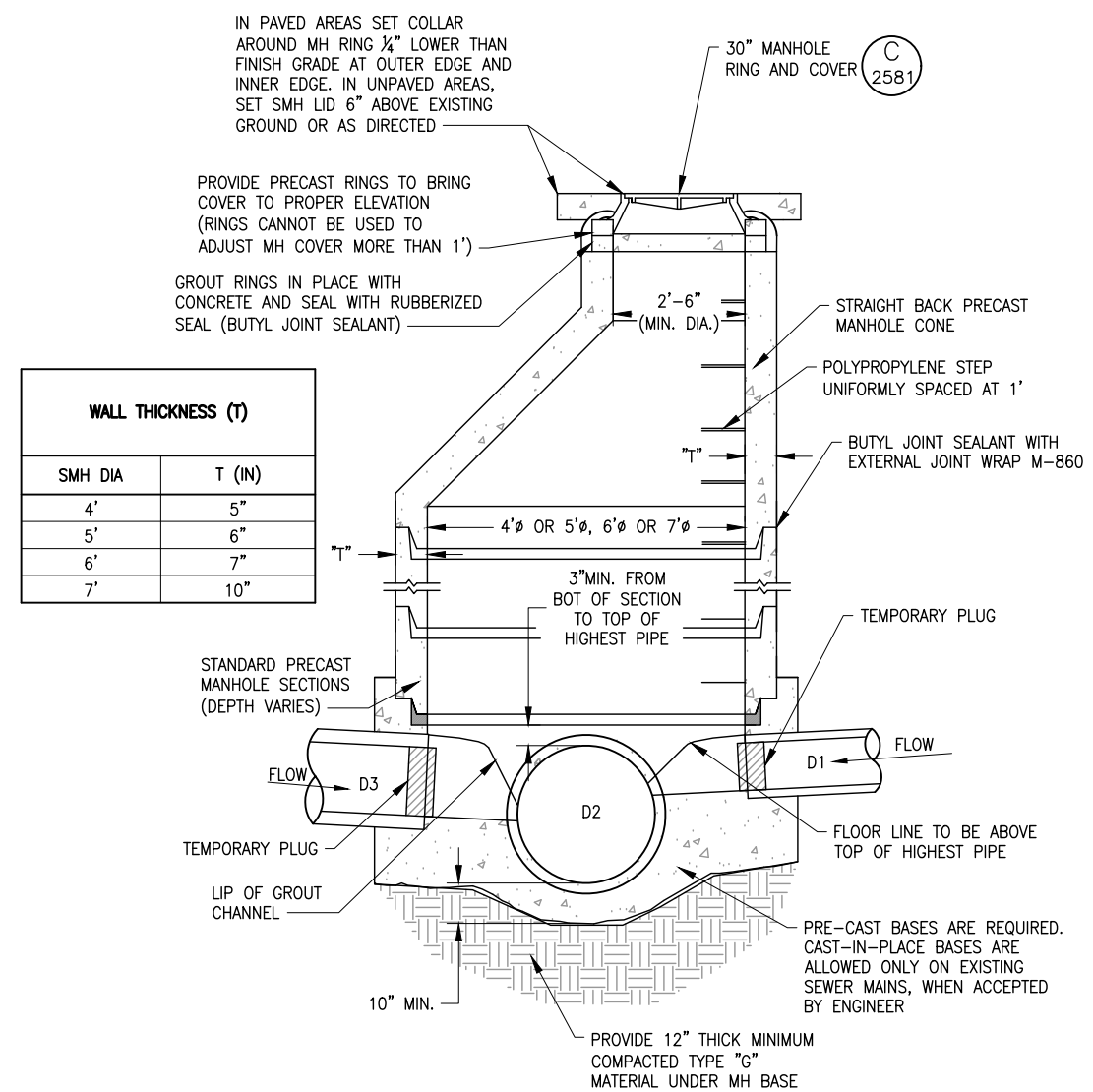
PIPE TO STRUCTURE COLLAR
SCALENTS

C
2247



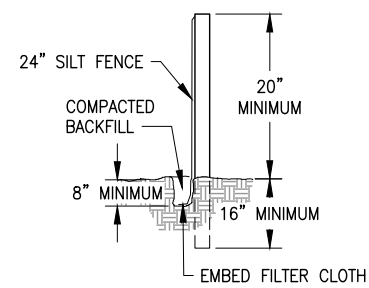
RIPRAP PROTECTION
NOT TO SCALE

C
2251



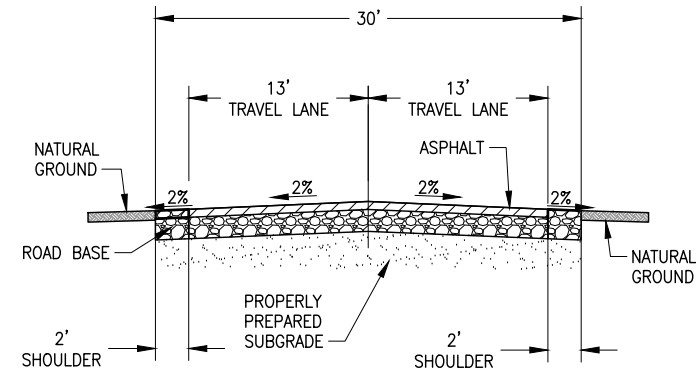
STANDARD MANHOLE
SCALENTS

C
2518



SILT FENCE
SCALENTS

C
2281



PROPOSED 300 WEST ROADWAY
CROSS-SECTION
SCALENTS

1
C-03, C-04

- NOTES:**
1. INVERTS D1, D2 AND D3 SHALL MATCH THOSE SHOWN IN PLANS.
 2. AFTER ALL GRADING AROUND MANHOLE HAS BEEN COMPLETED AND FINAL SURFACING IS IN PLACE, REMOVE DEBRIS AND TEMPORARY PLUGS OR PLYWOOD FROM INSIDE OF MANHOLES.
 3. IF MANHOLE IS TO BE POURED IN PLACE, FOLLOW SAME PATTERN AS SHOWN EXCEPT USE 10" MIN WALL THICKNESS.
 4. CONE AND WALL SECTIONS TO CONFORM TO ASTM C-478.
 5. PLUG OUTLET OF DOWNSTREAM MANHOLE UNTIL CONSTRUCTION IS COMPLETE.
 6. PIPES D1, D2 AND D3 SHALL BE CONNECTED TO MANHOLE USING WATERTIGHT CONNECTOR PER ASTM C923.
 7. PRECAST MANUFACTURER SHALL DESIGN THE STRUCTURE TO RESIST ALL UPLIFT FORCES ASSOCIATED WITH A WATERTABLE AT 2' BELOW EXISTING GRADE.
 8. SET MANHOLE ON FIRM, STABLE, DRY BASE. ENSURE GROUNDWATER IS REMOVED TO A MINIMUM DEPTH OF 12" BELOW THE BOTTOM OF EXCAVATION.
 9. IF NATIVE SOILS AT BOTTOM OF EXCAVATION AREA ARE SOFT, DISTURBED OR OTHERWISE UNSUITABLE, OVER EXCAVATE TO A DEPTH OF 12" AND BACKFILL WITH STABILIZATION GRAVEL, TYPE F.

BOWEN COLLINS ASSOCIATES

SOUTH JORDAN CITY
SOUTH JORDAN, UTAH

300 WEST DRY CREEK BOX CULVERT REPLACEMENT

CIVIL

CIVIL DETAILS - 2

DRAWING NO.
C-06

DATE: JUNE 2023
PROJECT NUMBER
009-22-02

SHEET 10 OF 15

DESIGN: B. KNAGGS
CHECKED: C. BAGLEY
APPROVED: B. KNAGGS

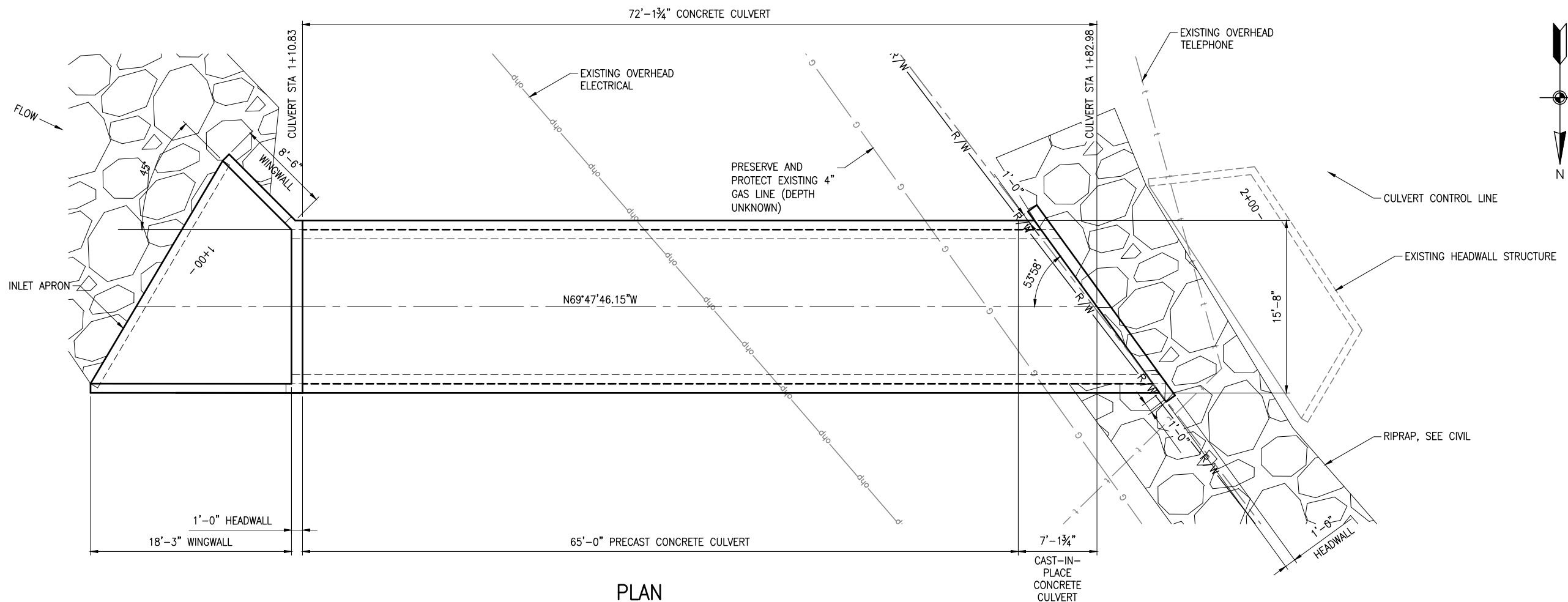
REVIEW: C. BAGLEY
APPROVED: B. KNAGGS

VERIFY SCALE: BAR IS ONE INCH ON ORIGINAL DRAWING

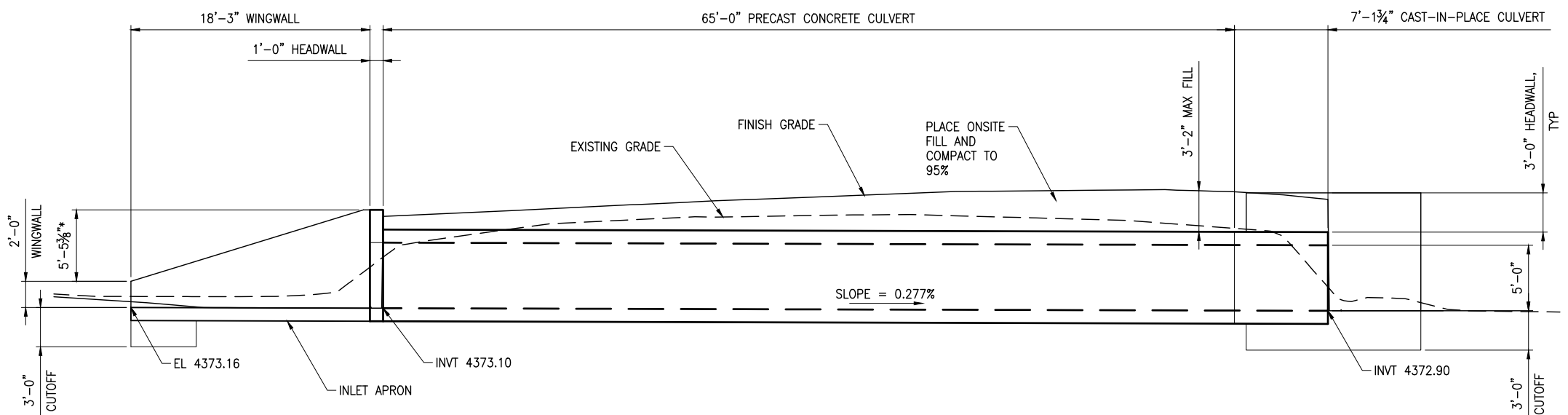
REVISIONS

NO. DATE REV. BY DESCRIPTION

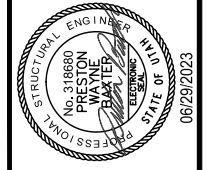
PROFESSIONAL ENGINEER
No. 12988797
BRANNA KNAGGS
STATE OF UTAH
06/29/2023



PLAN
SCALE: 3/16"=1'-0"



ELEVATION
SCALE: 3/16"=1'-0"



NO.	DATE	REV. BY	DESCRIPTION

VERIFY SCALE
BAR IS ONE INCH ON ORIGINAL DRAWING

DESIGN
DESIGN P. BAXTER
DRAWN P. BAXTER

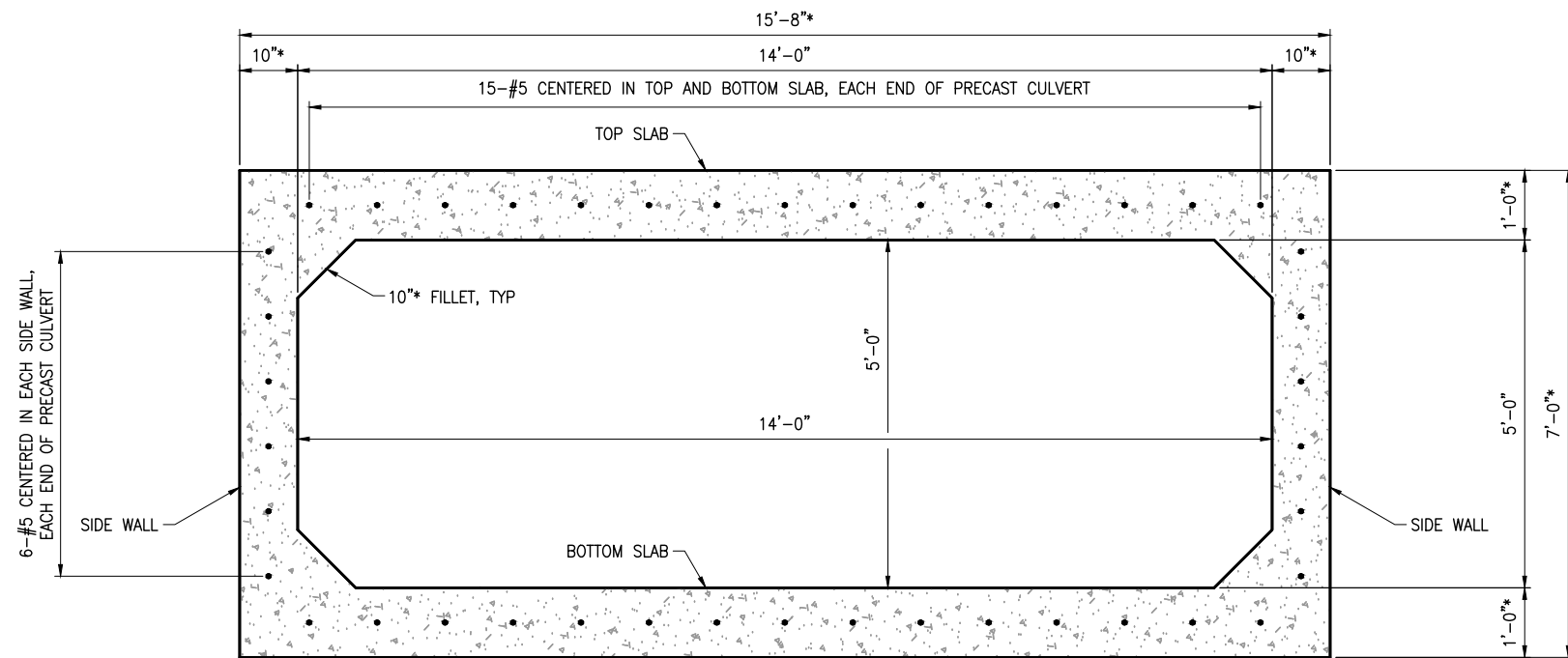
REVIEW
CHECKED B. KNAGGS
APPROVED P. BAXTER

300 WEST DRY CREEK BOX CULVERT REPLACEMENT

STRUCTURAL
**CULVERT
PLAN AND ELEVATION**

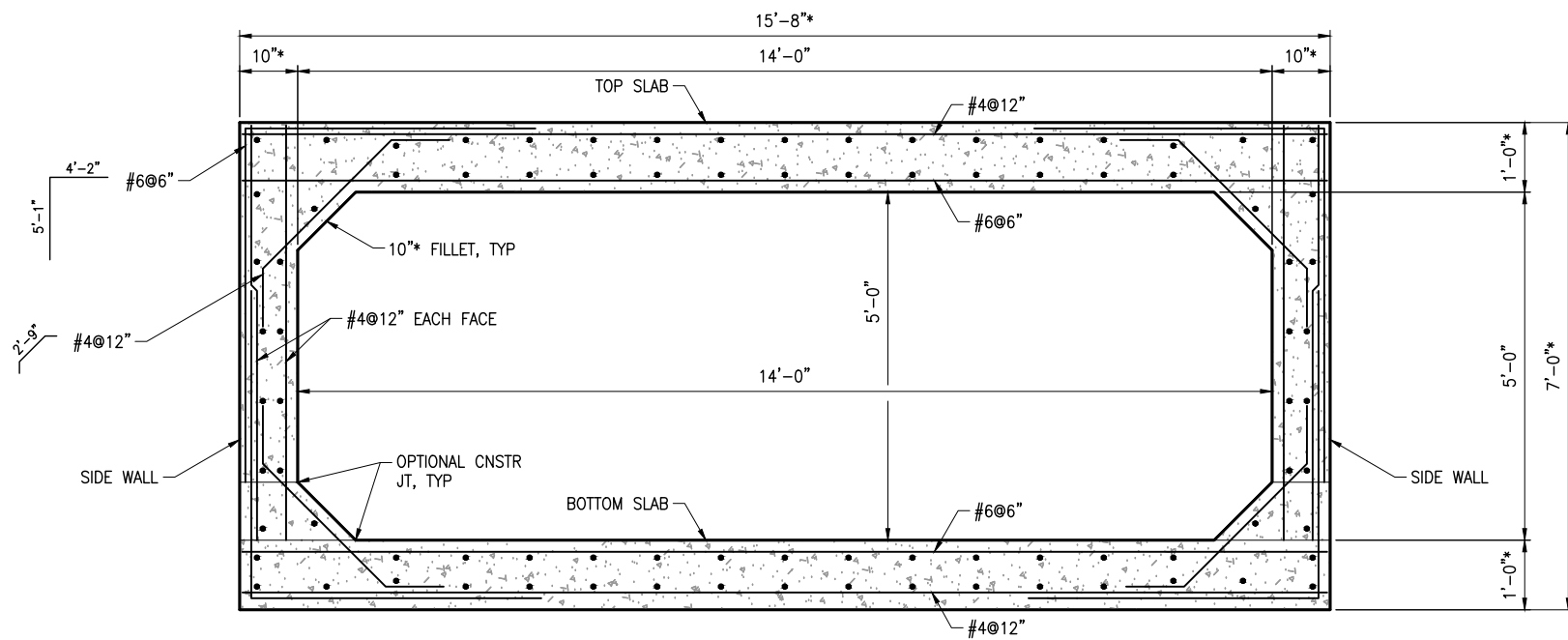
DATE: JUNE 2023
PROJECT NUMBER: 009-22-02

P:\Sandy City\009-22-00 300 W Dry Creek Culvert\2.0 Design Phase\2.7 Drawing\sheet\STRUCTURAL\0092202_S-01.dwg Plotted: 6/30/2023 7:58 AM By: Preston Baxter



*NOTE: PRECAST CULVERT DIMENSIONS TO BE DETERMINED BY DESIGNER

PRECAST CULVERT SECTION
SCALE: 3/4"=1'-0"



*NOTE: MATCH PRECAST CULVERT DIMENSIONS. CONTACT ENGINEER OF RECORD PRIOR TO CAST-IN-PLACE CONSTRUCTION IF DIMENSIONS ARE SMALLER THAN THOSE SHOWN HERE.

CAST-IN-PLACE CULVERT SECTION
SCALE: 3/4"=1'-0"

GENERAL NOTES

1. USE REINFORCEMENT BARS CONFORMING TO ASTM A615, GRADE 60.
2. CHAMFER EXPOSED CONCRETE CORNERS 3/4" UNLESS SHOWN OTHERWISE.
3. PROVIDE 2 INCH MINIMUM CONCRETE COVER TO REINFORCING STEEL UNLESS SHOWN OTHERWISE.
4. VERIFY UTILITY LOCATIONS BEFORE CONSTRUCTION. PROTECT EXISTING UTILITIES IN PLACE UNLESS SHOWN OTHERWISE.
5. DO NOT SCALE DRAWINGS. HORIZONTAL DIMENSIONS ARE PLAN. VERTICAL DIMENSIONS ARE PLUMB.

DESIGN DATA

HL-93 LOADING IN ACCORDANCE WITH AASHTO LRFD BRIDGE DESIGN SPECIFICATIONS, 9TH EDITION.

CAST-IN-PLACE STRUCTURAL CONCRETE (WINGWALLS, FOOTINGS, HEADWALLS, CULVERT)
f'c = 4.0 KSI

PRECAST CONCRETE (PRECAST CULVERT BARREL)
f'c = 4.0 KSI

REINFORCING STEEL
fy = 60KSI AT ALL LOCATIONS

FILL MATERIAL (ASSUMED)
MOIST UNIT WEIGHT = 135pcf
FRICTION ANGLE φ = 30deg

NO.	DATE	REV. BY	DESCRIPTION

VERIFIED SCALE
BAR IS ONE INCH ON ORIGINAL DRAWING

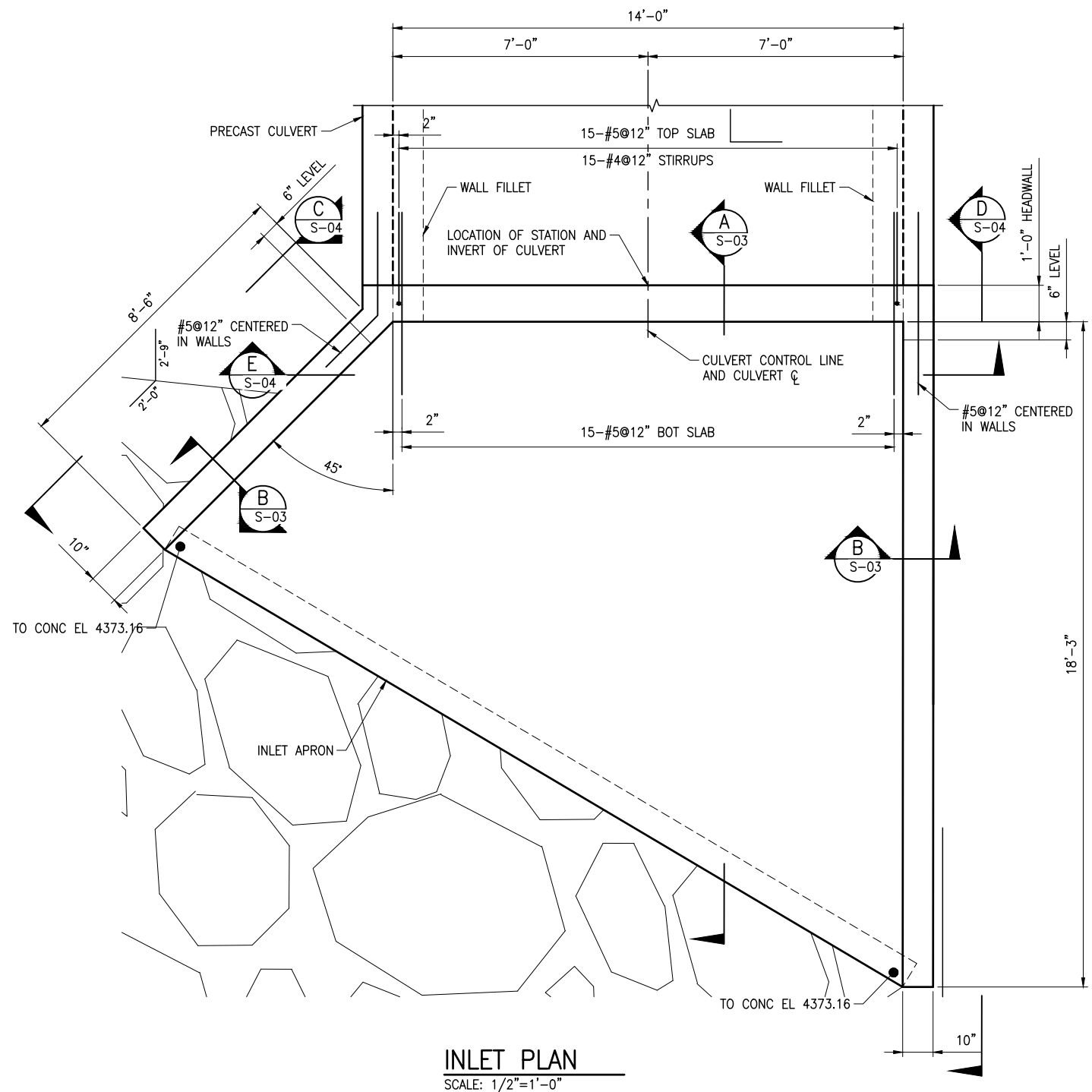
DESIGN: P. BAXTER
DRAWN: P. BAXTER
CHECKED: B. KNAGGS
APPROVED: P. BAXTER

REVIEW: P. BAXTER
DESIGN: P. BAXTER
DRAWN: P. BAXTER

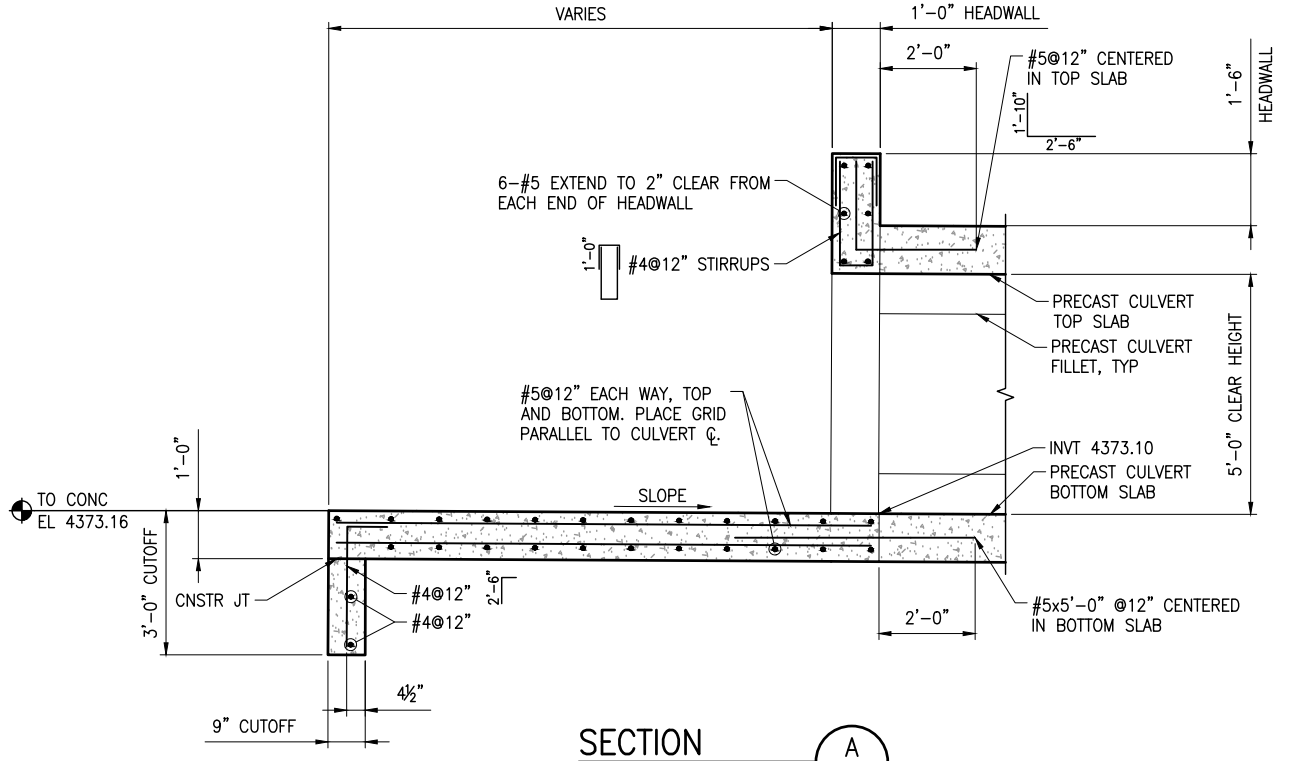
STRUCTURAL
CULVERT SECTION THROUGH STRUCTURE AND GENERAL NOTES

DATE: JUNE 2023
PROJECT NUMBER: 009-22-02

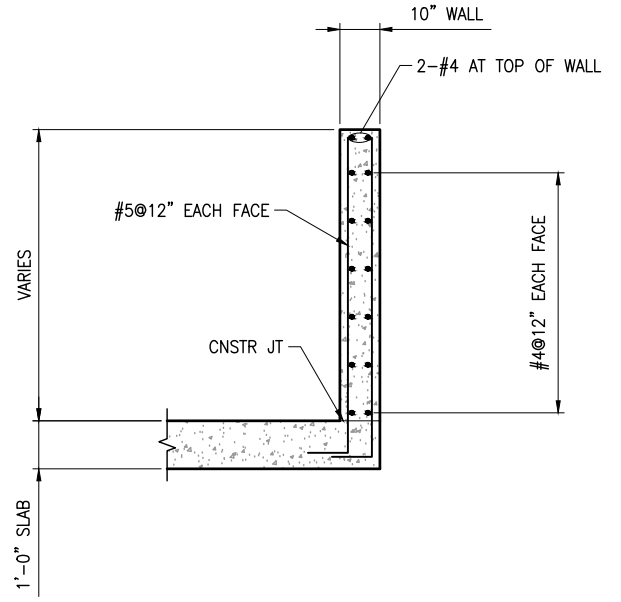
DRAWING NO. S-02



INLET PLAN
SCALE: 1/2"=1'-0"



SECTION A
SCALE: 1/2"=1'-0"
S-03, S-04



SECTION B
SCALE: 1/2"=1'-0"
S-03, S-04

NO.	DATE	REV. BY	DESCRIPTION

VERIFY SCALE
BAR IS ONE INCH ON ORIGINAL DRAWING

DESIGN
DESIGN P. BAXTER
DRAWN P. BAXTER

REVIEW
CHECKED B. KNAGGS
APPROVED P. BAXTER

PROJECT
300 WEST DRY CREEK BOX CULVERT REPLACEMENT

LOCATION
SOUTH JORDAN CITY
SOUTH JORDAN, UTAH

STRUCTURAL

CULVERT INLET PLAN AND DETAILS

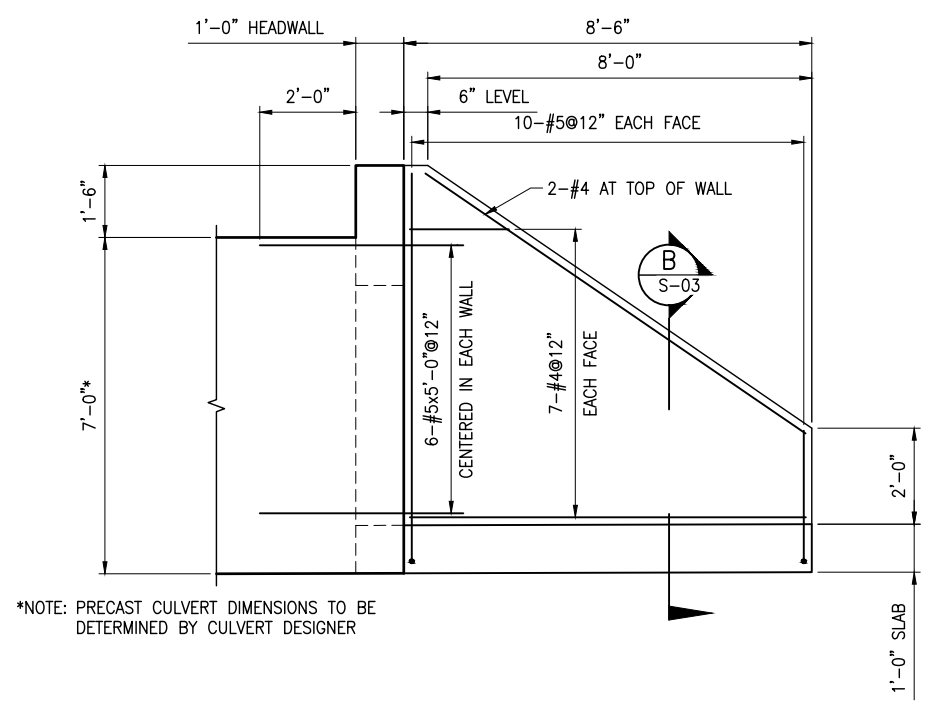
DATE: JUNE 2023
PROJECT NUMBER: 009-22-02

P:\Sandy City\009-22-00 300 W Dry Creek Culvert\2.0 Design Phase\2.7 Drawing\shh\STRUCTURAL\0092202_S-03.dwg Plotted: 6/30/2023 8:00 AM By: Preston Baxter

NO.	DATE	REV. BY	DESCRIPTION

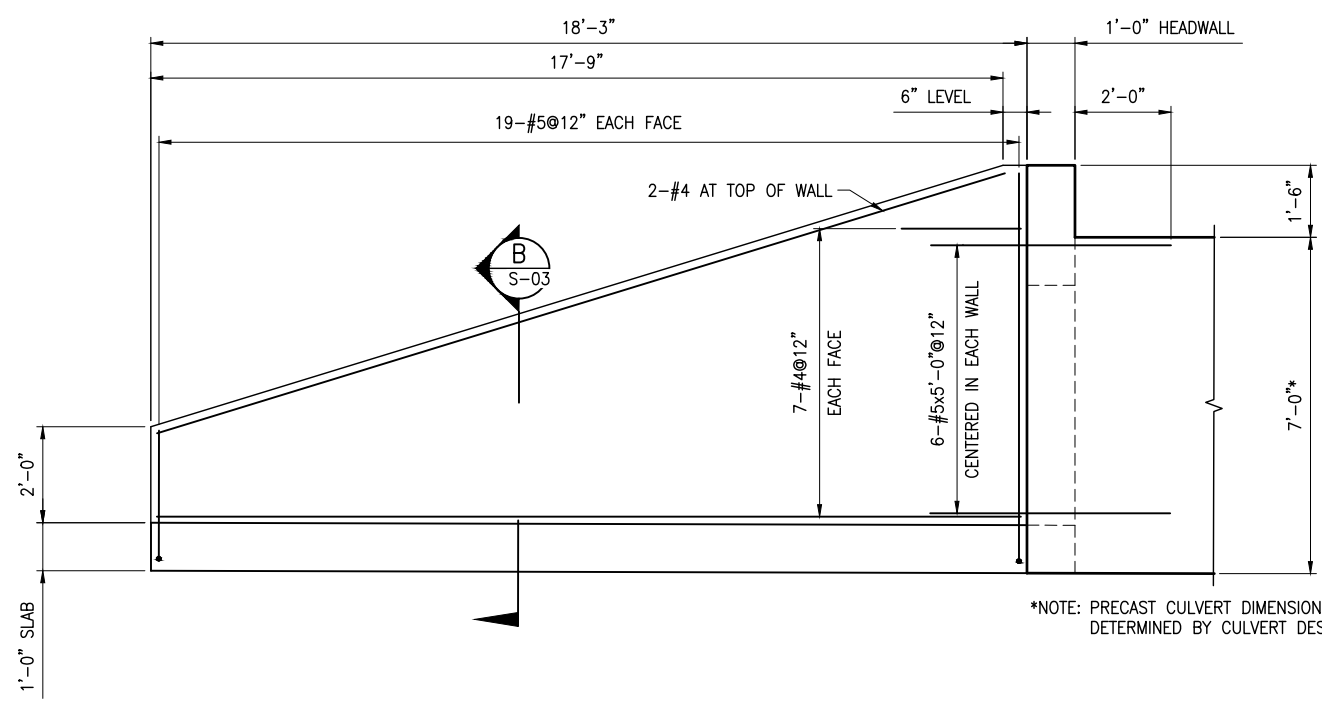
SOUTH JORDAN CITY		VERIFY SCALE
SOUTH JORDAN, UTAH		BAR IS ONE INCH ON ORIGINAL DRAWING
DESIGN	REVIEW	
DESIGN P. BAXTER	CHECKED B. KNAGGS	
DRAWN P. BAXTER	APPROVED P. BAXTER	

STRUCTURAL	PROJECT NUMBER
CULVERT INLET WALL ELEVATIONS	009-22-02
DATE: JUNE 2023	



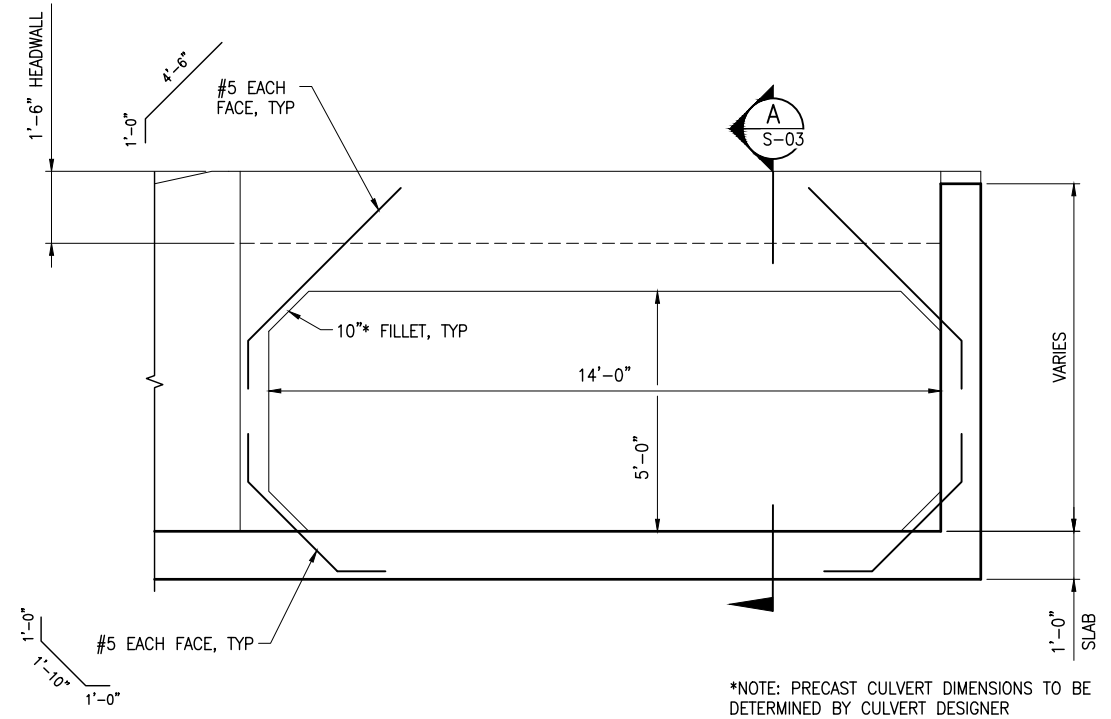
*NOTE: PRECAST CULVERT DIMENSIONS TO BE DETERMINED BY CULVERT DESIGNER

ELEVATION C
SCALE: 1/2"=1'-0"
S-03



*NOTE: PRECAST CULVERT DIMENSIONS TO BE DETERMINED BY CULVERT DESIGNER

ELEVATION D
SCALE: 1/2"=1'-0"
S-03



*NOTE: PRECAST CULVERT DIMENSIONS TO BE DETERMINED BY CULVERT DESIGNER

HEADWALL ELEVATION E
SCALE: 1/2"=1'-0"
S-03

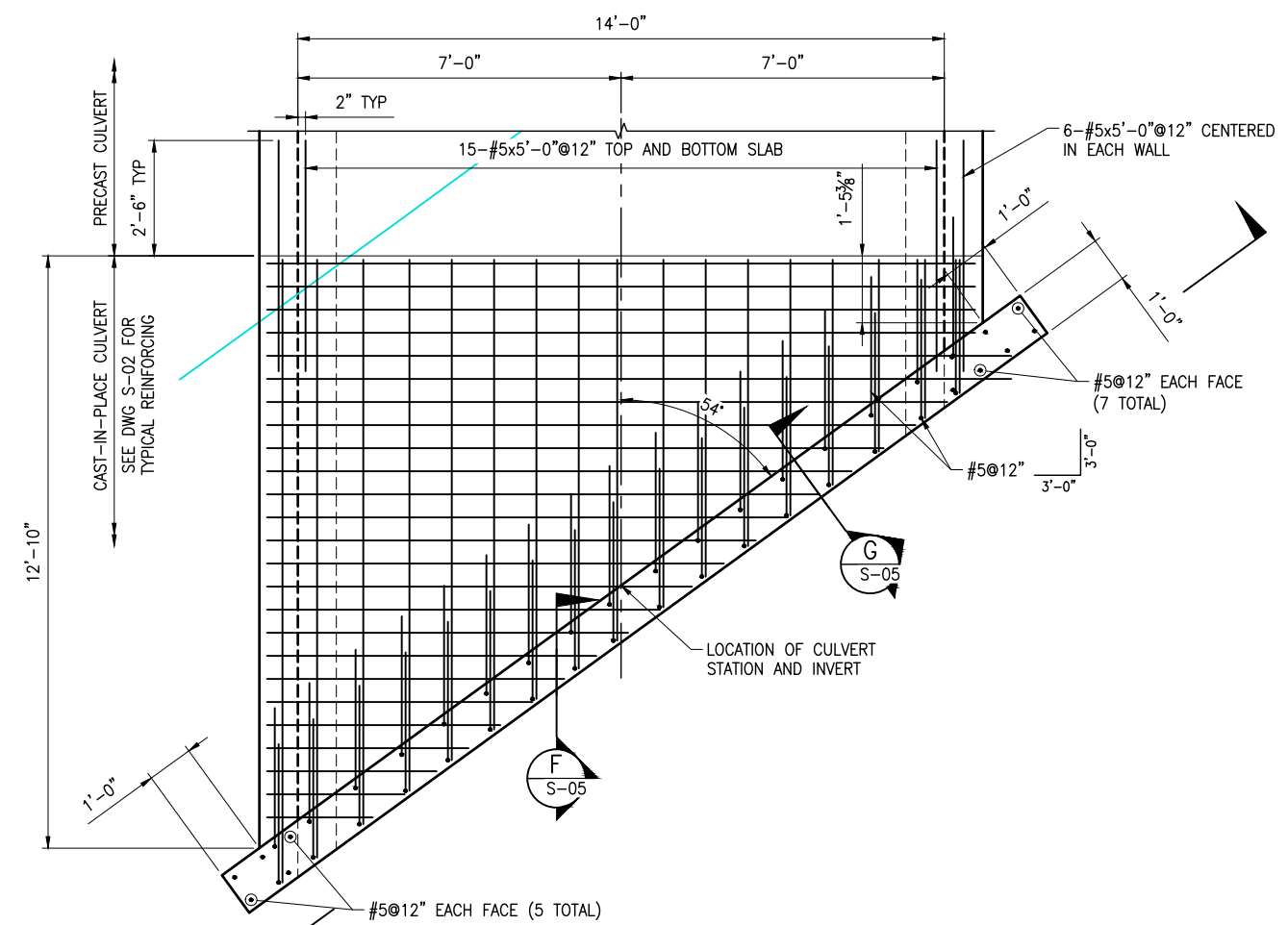
NO.	DATE	REV. BY	DESCRIPTION

VERIFY SCALE
 BAR IS ONE INCH ON ORIGINAL DRAWING

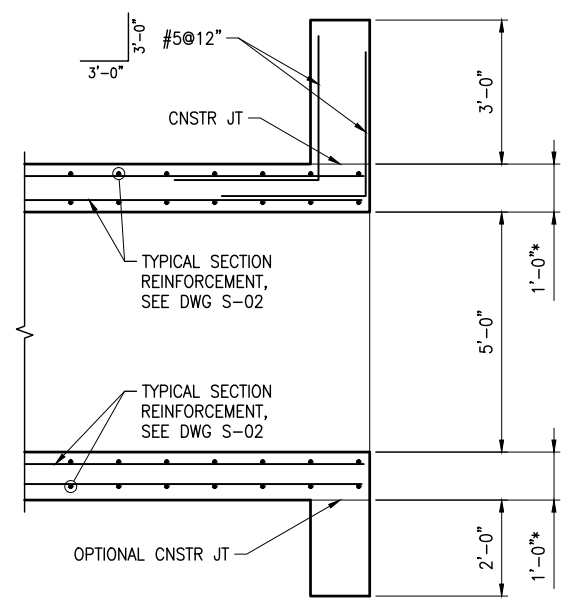
REVIEW
 CHECKED: B. KNAGGS
 APPROVED: P. BAXTER

DESIGN
 DESIGN: P. BAXTER
 DRAWN: P. BAXTER

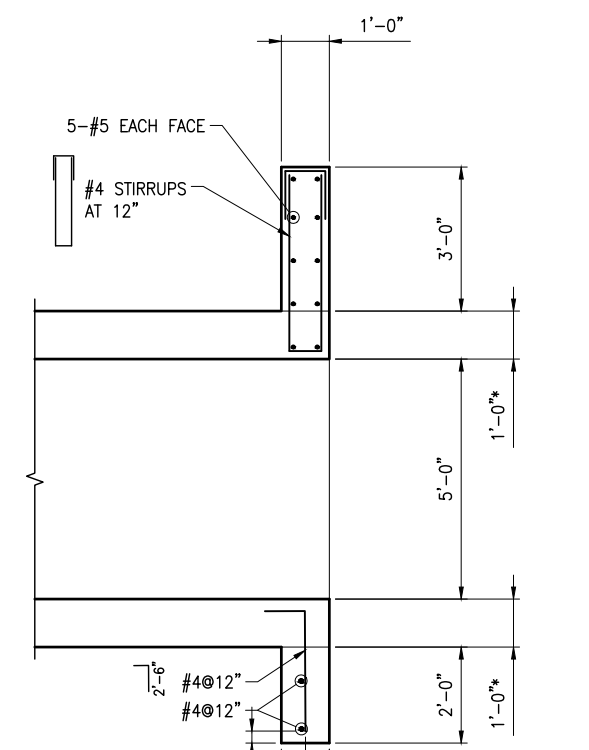
STRUCTURAL
OUTLET PLAN AND DETAILS
 PROJECT NUMBER: 009-22-02
 DATE: JUNE 2023



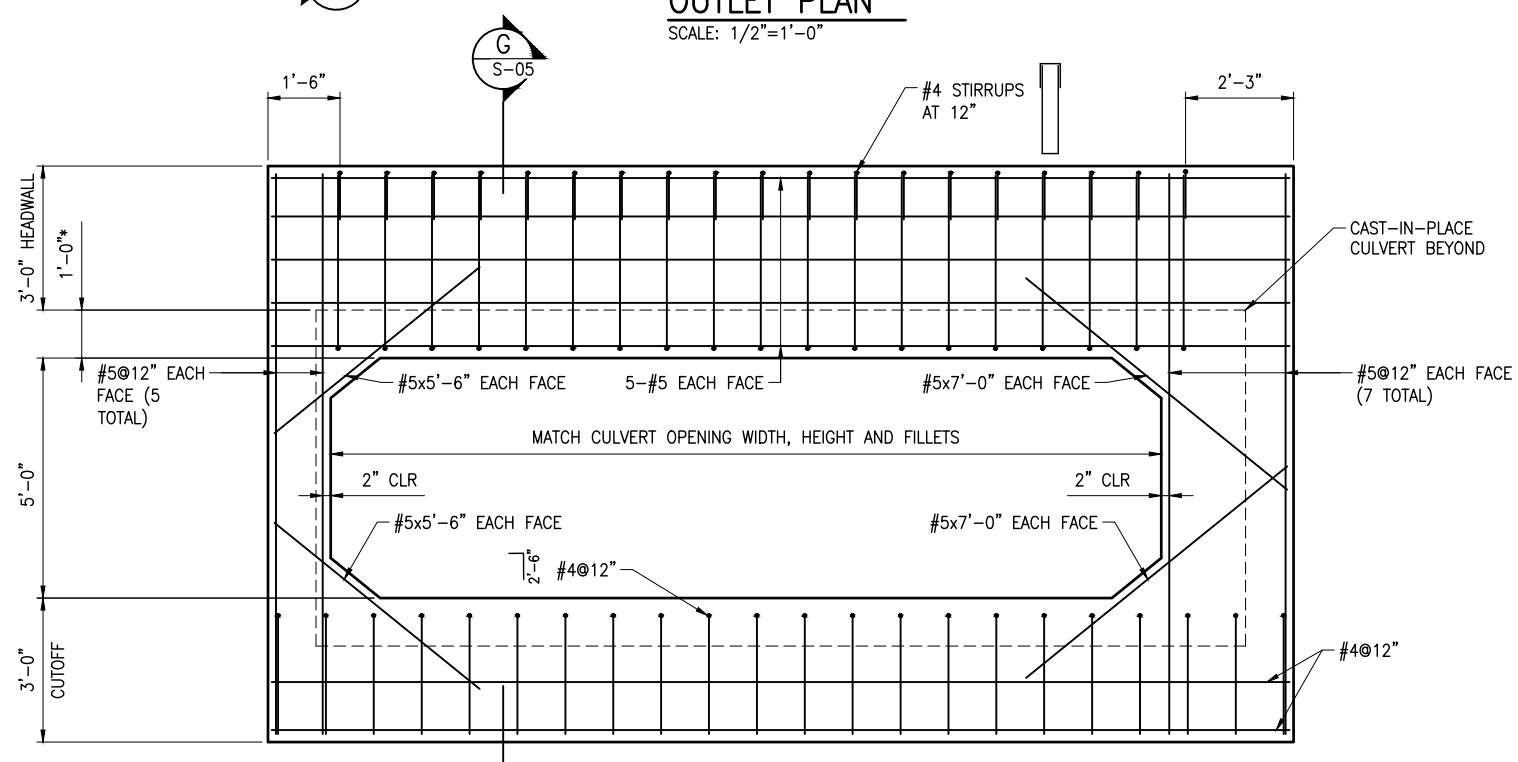
OUTLET PLAN
 SCALE: 1/2"=1'-0"



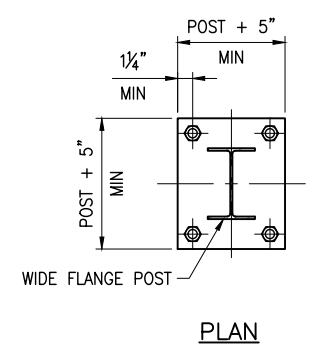
SECTION F
 SCALE: 1/2"=1'-0"



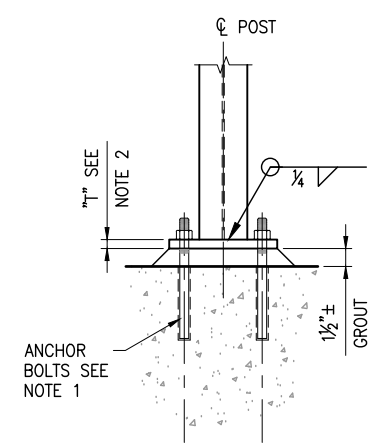
SECTION G
 SCALE: 1/2"=1'-0"



HEADWALL ELEVATION
 SCALE: 1/2"=1'-0"



PLAN



ELEVATION

DETAIL NOTES

- ANCHOR BOLTS SHALL BE 3/4" SST EPOXY ADHESIVE, HILTI HIT-HY 200-R OR APPROVED EQUAL, WITH 6" MIN EMBEDMENT.
- BASE PLATE TO BE 3/4" THICK UNLESS OTHERWISE NOTED.
- GROUT SHALL BE NONSHRINK AND FLOWABLE AS PER SPECIFICATIONS.

POST SUPPORT DETAIL 1
 SCALE: 1/2"=1'-0"

EXHIBIT B
(Cost Distribution)

Entity	Construction	Costs Incurred	Total
Sandy City	\$ 170,577	\$ 115,272	\$ 285,849
South Jordan City	\$ 270,943	\$ 14,905	\$ 285,848
Property Owner	\$ 50,000	\$ 37,906	\$ 87,906
SLCO	\$ 300,000	\$ -	\$ 300,000
Total	\$ 791,520	\$ 168,083	\$ 959,603