

RESOLUTION #23-31C

A RESOLUTION AUTHORIZING THE EXECUTION OF AN INTERLOCAL COOPERATION AGREEMENT BETWEEN SANDY CITY CORPORATION AND THE CITY OF SOUTH JORDAN FOR 300 WEST ROADWAY AND DRY CREEK CHANNEL IMPROVEMENTS

BE IT KNOWN AND REMEMBERED that the City Council of Sandy City, State of Utah, finds and determines as follows:


WHEREAS, Title 11, Chapter 13, Utah Code Annotated, as amended, permits public agencies to enter into cooperative agreements to provide joint undertakings and services; and


WHEREAS, the attached Agreement has been prepared to accomplish such purpose.

NOW, THEREFORE, BE IT RESOLVED by the City Council of Sandy City, Utah that:

1. It does hereby approve the Interlocal Agreement described as an Interlocal Agreement between Sandy City Corporation and the City of South Jordan to construct the improvements to 300 West Roadway and Dry Creek Channel, substantially in the form attached hereto as **Exhibit "A"**.
2. This Agreement is in the best interest of the City and its residents.
3. The Hon. Monica Zoltanski, Mayor of Sandy City, has reviewed and approved the Interlocal Agreement and is hereby authorized to execute the Agreement on behalf of Sandy City Corporation and to act in accordance with its terms.
4. This Resolution is effective upon adoption. The effective date of this Agreement shall be the date as indicated in the Agreement.

PASSED AND APPROVED by the Sandy City Council on this 18 day of July, 2023.

DocuSigned by:

 Brooke D Sousa, Chair
 Sandy City Council

ATTEST:
 DocuSigned by:

 Wendy D
 City Recorder

7/27/2023

RECORDED this _____ day of July, 2023.



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

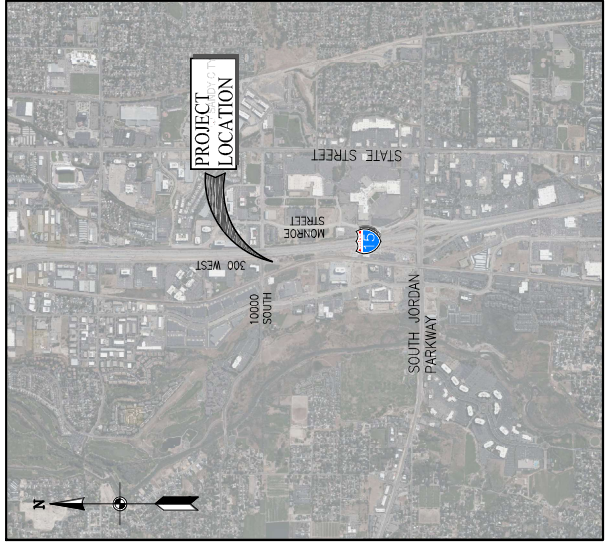


NO.	DATE	REV. BY	DESCRIPTION

DESIGN	B. KNAGGS
DESIGNED BY	C. BAGLEY
CHECKED BY	C. BAGLEY
APPROVED BY	B. KNAGGS
DESIGNED BY	B. KNAGGS
DESIGNED BY	B. KNAGGS
DESIGNED BY	B. KNAGGS

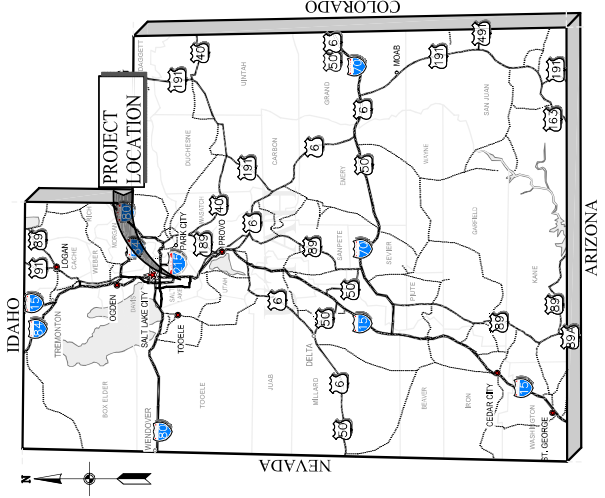
GENERAL
COVER SHEET,
PROJECT LOCATION AND
VICINITY MAP

DRAWING NO. G-01
SHEET 01 OF 15



PROJECT VICINITY MAP

SHT. NO.	DWG. NO.	INDEX OF DRAWINGS	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 LOCATION MAP

PROFESSIONAL ENGINEER
No. 12968797
BRIANNA
KNAGGS
UTAH
STATE OF

06/29/2023
CIVIL

PROFESSIONAL STRUCTURAL ENGINEER
No. 318680
PRESTON
WAYNE
BAXTER
UTAH
STATE OF

06/29/2023
STRUCTURAL



NO.	DATE	REV. BY	DESCRIPTION

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

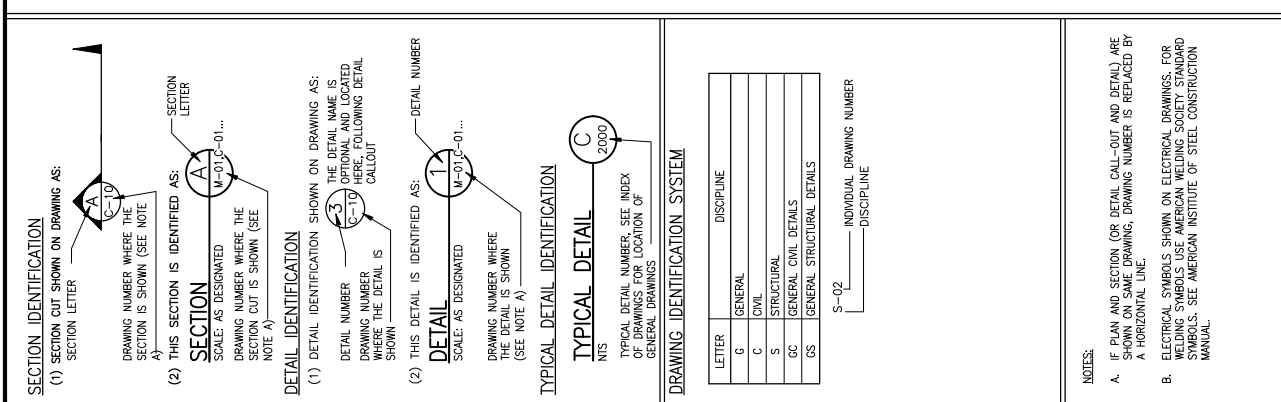
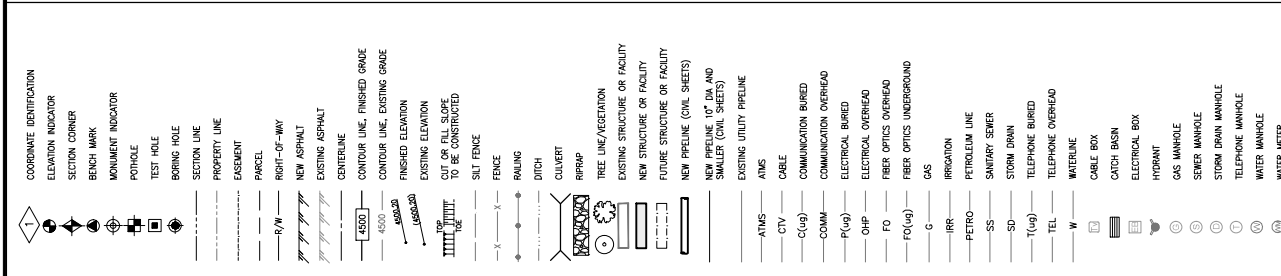
300 WEST DRY CREEK BOX CULVERT REPLACEMENT
SOUTH JORDAN, UTAH

DATE: JUNE 2023
PROJECT NUMBER: 003-22-02
DRAWING NO.: G-03
SHEET 03 OF 15

GENERAL NOTES AND SYMBOLS

- ### 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/RAIL 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 COVERINGS(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/GBUD

- ### GENERAL NOTES
- COORDINATE WITH SOUTH JORDAN CITY AND JERRY SEMER, AUTOMOBILE MAINTENANCE, REGARDING TEMPORARY CLOSURE OF 300 W WHILE REPLACING THE BOX CULVERT.



SECTION IDENTIFICATION

(1) SECTION CUT SHOWN ON DRAWING AS:
DRAWING NUMBER WHERE THE SECTION IS SHOWN (SEE NOTE A)
SECTION LETTER
SECTION CUT IS SHOWN (SEE NOTE A)

(2) THIS SECTION IS IDENTIFIED AS:
SECTION LETTER
DRAWING NUMBER WHERE THE SECTION CUT IS SHOWN (SEE NOTE A)

SECTION

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

DETAIL IDENTIFICATION

(1) DETAIL IDENTIFICATION SHOWN ON DRAWING AS:
THE DRAWING NAME IS:
OPTIONAL AND LOCATED HERE, FOLLOWING DETAIL CALLOUT
DRAWING NUMBER WHERE THE DETAIL IS SHOWN
SCALE AS DESIGNATED

(2) THIS DETAIL IS IDENTIFIED AS:
DETAIL NUMBER
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
CC	GENERAL CIVIL DETAILS
CS	GENERAL STRUCTURAL DETAILS

S-02 INDIVIDUAL DRAWING NUMBER
DISCIPLINE

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



NO.	DATE	REV.	DESCRIPTION

DESIGN	B. KNAGGS
CHECKED	C. BAILEY
APPROVED	B. KNAGGS

PROJECT NUMBER	003-22-02
DATE	JUNE 2023
PROJECT	300 WEST DRY CREEK BOX CULVERT REPLACEMENT

GENERAL NOTES
DRAWING NO. G-04
SHEET 04 OF 15

1.4 CITY OF SOUTH JORDAN GRADING NOTES

- IN THE EVENT THAT ANY UNFORESEEN CONDITIONS NOT COVERED BY THESE NOTES ARE ENCOUNTERED DURING THE COURSE OF THE PROJECT, THE OWNER AND CITY ENGINEER SHALL BE IMMEDIATELY NOTIFIED FOR DIRECTION.
- 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.
- 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.
- THE CONTRACTOR IS WARNED THAT AN EARTHWORK BALANCE WAS NOT NECESSARY THE INTENT OF THIS PROJECT. ANY ADDITIONAL EXCAVATION OR FILLING OPERATIONS BECOMES THE RESPONSIBILITY OF THE CONTRACTOR.
- 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 TOLERANCES WILL BE PERFORMED BY THE DEVELOPER OR HIS REPRESENTATIVE.
- ALL CUT AND FILL SLOPES SHALL BE PROTECTED UNTIL EFFECTIVE EROSION CONTROL HAS BEEN ESTABLISHED.
- 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.
- THE CONTRACTOR SHALL MAINTAIN THE STREETS, SIDEWALKS AND ALL OTHER PUBLIC RIGHTS OF WAY IN A CLEAN, SAFE AND USABLE CONDITION. ALL 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.
- IN THE EVENT THAT ANY TEMPORARY CONSTRUCTION ITEM IS REQUIRED THAT IS NOT SHOWN ON THESE DRAWINGS, THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING THE NECESSARY PERMITS AT HIS OWN EXPENSE AND AT THE DIRECTION OF THE CITY ENGINEER. TEMPORARY CONSTRUCTION INCLUDES DITCHES, BEAMS, ROAD SIGNS AND BARRICADES, ETC.

28. ALL PERMANENT TRAFFIC CONTROL DEVICES CALLED FOR HEREON SHALL BE IN PLACE AND IN THE PROPER POSITION PRIOR TO BEGINNING WORK.

- IMPROVED HEREUNDER, REGARDLESS OF THE STATUS OF COMPLETION OF PAVING OR OTHER OFF-SITE IMPROVEMENTS CALLED FOR PER APPROVED CONSTRUCTION DRAWINGS UNLESS APPROVED BY THE CITY ENGINEER.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR NOTIFYING UTAH PUBLIC WORKS OF ANY CHANGES TO THE PROJECT. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ANY NECESSARY PERMITS AND SERVICES ON THAT STREET TO ARRANGE FOR TEMPORARY RELOCATION OF STOP.
- BEFORE ANY WORK IS STARTED IN THE RIGHT-OF-WAY, THE CONTRACTOR SHALL INSTALL ALL ADVANCE WARNING SIGNS FOR THE STOP SIGNS AT ALL NEW STREET ENCROACHMENTS INTO EXISTING PUBLIC STREETS. ALL CONSTRUCTION SIGNING, BARRICADEING, AND TRAFFIC DELINEATION SHALL CONFORM TO THE MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES (MUTCD) PER THE CURRENT EDITION ADOPTED BY UDOT, AND BE APPROVED BY THE CITY OF SOUTH JORDAN BEFORE CONSTRUCTION BEGINS.
- ALL SIGNS LARGER THAN 36" X 36" OR 1296 SQUARE INCHES PER SIGN POLE SHALL BE MOUNTED ON A SLIP BASE SYSTEM PER UDOT STANDARD DRAWING SN 108 (DETAIL DRAWING ATTACHED TO STANDARD DRAWINGS) WITH A 7" BAR BACKING. SIGNS OF THIS SIZE ARE NOT ALLOWED TO BE MOUNTED ON A YIELDING POLE.
- SIGN COMPONENTS SUCH AS SHEETING, EC FILM, INKS, LETTERS AND MANUFACTURER, ONLY EC FILM MAY BE USED TO ADHERE COLOR. VINYL EC FILM IS NOT ACCEPTED.
- PAVING ASPHALT BINDER GRADE SHALL BE PG 58-28 UNLESS OTHERWISE APPROVED BY THE CITY ENGINEER. ASPHALT AGGREGATE SIZE SHALL BE 1/2" INCH FOR RESIDENTIAL AND COLLECTOR ROADS. NO MORE THAN 13% RAP (RECLAIMED ASPHALT PAVEMENT) BY WEIGHT SHALL BE ALLOWED IN ANY ASPHALT MIXTURE. ASPHALT PAVING OF PUBLIC AND PRIVATE STREETS, UP TO THE 15 PERCENT PAVING OF PUBLIC AND PRIVATE STREETS, UP TO THE 15 PERCENT WILL BE ALLOWED WITH NO CHANGE IN THE SPECIFIC BINDER GRADE. THE ASPHALT MIX DESIGN SHALL HAVE NO MORE THAN 3% AIR VOIDS.
- FOTHOILING: ALL POTHOLES MUST BE SAW CUT SQUARE AND HAVE A SAND OR FEA GRAVEL FILL MEETING SOUTH JORDAN CITY STANDARDS. SAND OR FEA GRAVEL MUST BE PLACED OVER THE POT HOLE TO A DEPTH OF 6 INCHES. FOLLOWING THE FEA GRAVEL WILL BE FLOWABLE FILL UP TO 1 INCH BELOW THE BOTTOM EDGE OF THE EXISTING ASPHALT. REMAINING PORTION OF THE POT HOLE SHALL BE FILLED WITH ASPHALT WHICH MEETS ALL OVERALL THICKNESS OF THE EXISTING ASPHALT PLUS 1 INCH.
- ALL FILL WITHIN THE PUBLIC RIGHT OF WAY SHALL BE A-1-A TO A-3, WITH THE EXCEPTION OF TOP SOIL IN THE PARK STRIP FOR LANDSCAPING AND TRENCH BACKFILL. TRENCH BACKFILL MATERIAL SHALL BE CLEAN, FREE OF CLUMPS, GRANULAR AND FLOWABLE. MINUS 30 TO A-2-7 SOILS ACCORDING TO ASHTO 145 SOIL CLASSIFICATION SYSTEM. LIME TREATED FLOWABLE FILLS, IF APPROVED, SHALL HAVE A 28-DAY STRENGTH OF 65 PSI.
- ALL TRAFFIC ROAD CLOSURES INVOLVING 1 OR MORE LANES OF TRAFFIC SHALL BE IN ACCORDANCE WITH THE UTAH TRAFFIC CONTROL MANUAL. ALL REPRESENTATIVE TRAFFIC SIGNS MUST BE PLACED A MINIMUM OF 7 DAYS IN ADVANCE OF ANY LANE CLOSURE ON COLLECTOR, MINOR COLLECTOR OR ARTERIAL STREET. VMS POMS BOARDS MUST ALSO BE PLACED IN ADVANCE OF ANY LANE CLOSURES ON A SUBDIVISION STREET PER THE CITY ENGINEER'S DIRECTION.
- ALLEYWAYS AND LANES ARE TO HAVE 6 FEET MAXIMUM SPACING FOR CONTROL JOINTS IN STRAIGHT SECTIONS AND ARE TO HAVE AN EXPANSION JOINT EVERY 60 FEET AND AT ALL PC'S AND PT'S.
- CONSTRUCTION OF ANY PUBLIC STREET REQUIRES A SIGN OFF CHECKLIST PRIOR TO THE ROAD BEING OPENED TO TRAFFIC FOR USE BY THE GENERAL PUBLIC. THE CHECKLIST MUST BE REQUESTED BY THE DEVELOPER. THE CITY'S ASSIGNED PROJECT ENGINEER WILL BE THE DEVELOPER AND PROVIDE IT TO THE DEVELOPER/CONTRACTOR.

14. CONTRACTOR TO FOLLOW SALT LAKE COUNTY NOISE ORDINANCE STANDARDS.

- CONTRACTORS ARE RESPONSIBLE FOR ALL OSHA REQUIREMENTS ON THE PROJECT SITE.
- 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.
- DEVELOPER IS RESPONSIBLE FOR LOCATING AND REPAIRING ALL EXISTING UTILITY LINES AND IRRIGATION LINES UNTIL 90% OF THE BOND HAS BEEN RELEASED.
- ALL MAINTAINED UTILITIES INCLUDING: WATERLINE, FIRE HYDRANTS, STREETLIGHT WIRING, AND STORM DRAIN MUST BE IN PLACE PRIOR TO ANY CONSTRUCTION. THE CONTRACTOR SHALL BE RESPONSIBLE 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 BE RESPONSIBLE FOR THE PROTECTION OF UNDERGROUND AND SURFACE UTILITIES. THE CONTRACTOR 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 CONNECTION THEREWITH.
- 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 SHALL BE REPAIRED OR REPLACED SATISFACTORILY TO THE CITY ENGINEER AND OWNING UTILITY COMPANY AT THE EXPENSE OF THE CONTRACTOR.
- ALL CONSTRUCTION SHALL BE AS SHOWN ON THESE PLANS. ANY REVISIONS SHALL HAVE THE PRIOR WRITTEN APPROVAL OF THE CITY ENGINEER.
- PERMITS ARE REQUIRED FOR ANY WORK IN THE PUBLIC WAY. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL PERMITS AND INSPECTIONS REQUIRED FOR THIS CONSTRUCTION.
- CURB, GUTTER, AND SIDEWALK, FOUND TO BE UNACCEPTABLE PER CITY STANDARDS AND APWA SHALL BE REMOVED AND REPLACED.
- CONTRACTOR SHALL PROVIDE ALL NECESSARY HORIZONTAL AND VERTICAL TRANSITIONS BETWEEN NEW CONSTRUCTION AND EXISTING CONSTRUCTION. ALL TRANSITIONS SHALL BE SMOOTH AND GRADUAL AND BE AS SHOWN ON PLANS.
- ANY SURVEY MONUMENTS DISTURBED SHALL BE REPLACED AND ADJUSTED PER SALT LAKE COUNTY SURVEYORS REQUIREMENTS.
- 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.
- 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.
- WORK IN PUBLIC WAY ONCE BEGUN SHALL BE PROSECUTED TO COMPLETION AND NOT BE STOPPED OR INTERRUPTED WITHOUT THE INCONVENIENCE TO ADJACENT PROPERTY OWNERS AND TO THE TRAVELING PUBLIC.
- 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 CONNECTION WITH CONSTRUCTION.
- 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 REMOVED AND POLLS REMOVED AS DETERMINED BY THE CITY ENGINEER.

1.1 SOUTH JORDAN CITY GENERAL NOTES

- 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 ANY SPECIFICATIONS, CITY STANDARDS, AND THE LATEST EDITION OF THE APWA MANUAL AND 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.
- 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 BE RESPONSIBLE 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 BE RESPONSIBLE FOR THE PROTECTION OF UNDERGROUND AND SURFACE UTILITIES. THE CONTRACTOR 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 CONNECTION THEREWITH.
- 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 SHALL BE REPAIRED OR REPLACED SATISFACTORILY TO THE CITY ENGINEER AND OWNING UTILITY COMPANY AT THE EXPENSE OF THE CONTRACTOR.
- ALL CONSTRUCTION SHALL BE AS SHOWN ON THESE PLANS. ANY REVISIONS SHALL HAVE THE PRIOR WRITTEN APPROVAL OF THE CITY ENGINEER.
- PERMITS ARE REQUIRED FOR ANY WORK IN THE PUBLIC WAY. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL PERMITS AND INSPECTIONS REQUIRED FOR THIS CONSTRUCTION.
- CURB, GUTTER, AND SIDEWALK, FOUND TO BE UNACCEPTABLE PER CITY STANDARDS AND APWA SHALL BE REMOVED AND REPLACED.
- CONTRACTOR SHALL PROVIDE ALL NECESSARY HORIZONTAL AND VERTICAL TRANSITIONS BETWEEN NEW CONSTRUCTION AND EXISTING CONSTRUCTION. ALL TRANSITIONS SHALL BE SMOOTH AND GRADUAL AND BE AS SHOWN ON PLANS.
- ANY SURVEY MONUMENTS DISTURBED SHALL BE REPLACED AND ADJUSTED PER SALT LAKE COUNTY SURVEYORS REQUIREMENTS.
- 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.
- 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.
- WORK IN PUBLIC WAY ONCE BEGUN SHALL BE PROSECUTED TO COMPLETION AND NOT BE STOPPED OR INTERRUPTED WITHOUT THE INCONVENIENCE TO ADJACENT PROPERTY OWNERS AND TO THE TRAVELING PUBLIC.
- 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 CONNECTION WITH CONSTRUCTION.
- 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 REMOVED AND POLLS REMOVED AS DETERMINED BY THE CITY ENGINEER.

1.2 CITY OF SOUTH JORDAN TRAFFIC NOTES

- IF THE IMPROVEMENTS NECESSARY THE OBLITERATION, TEMPORARY OBSTRUCTION, TEMPORARY REMOVAL OR RELOCATION OF ANY SIGN SHALL BE RESTORED OR REPLACED WITH LIKE MATERIALS TO THE SATISFACTION OF THE CITY ENGINEER, PUBLIC WORKS DIRECTOR OR DESIGNER.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR PROVIDING AND INSTALLING ALL TEMPORARY TRAFFIC CONTROL SIGNS AND DEVICES IN ACCORDANCE WITH THE UTAH TRAFFIC CONTROL MANUAL AND ANY OTHER STANDARDS SPECIFIED ON THE PLANS. ALL SIGN POSTS SHALL BE INSTALLED IN ACCORDANCE WITH THE CURRENT CITY STANDARDS.



NO.	DATE	REV. BY	DESCRIPTION

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

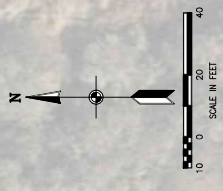
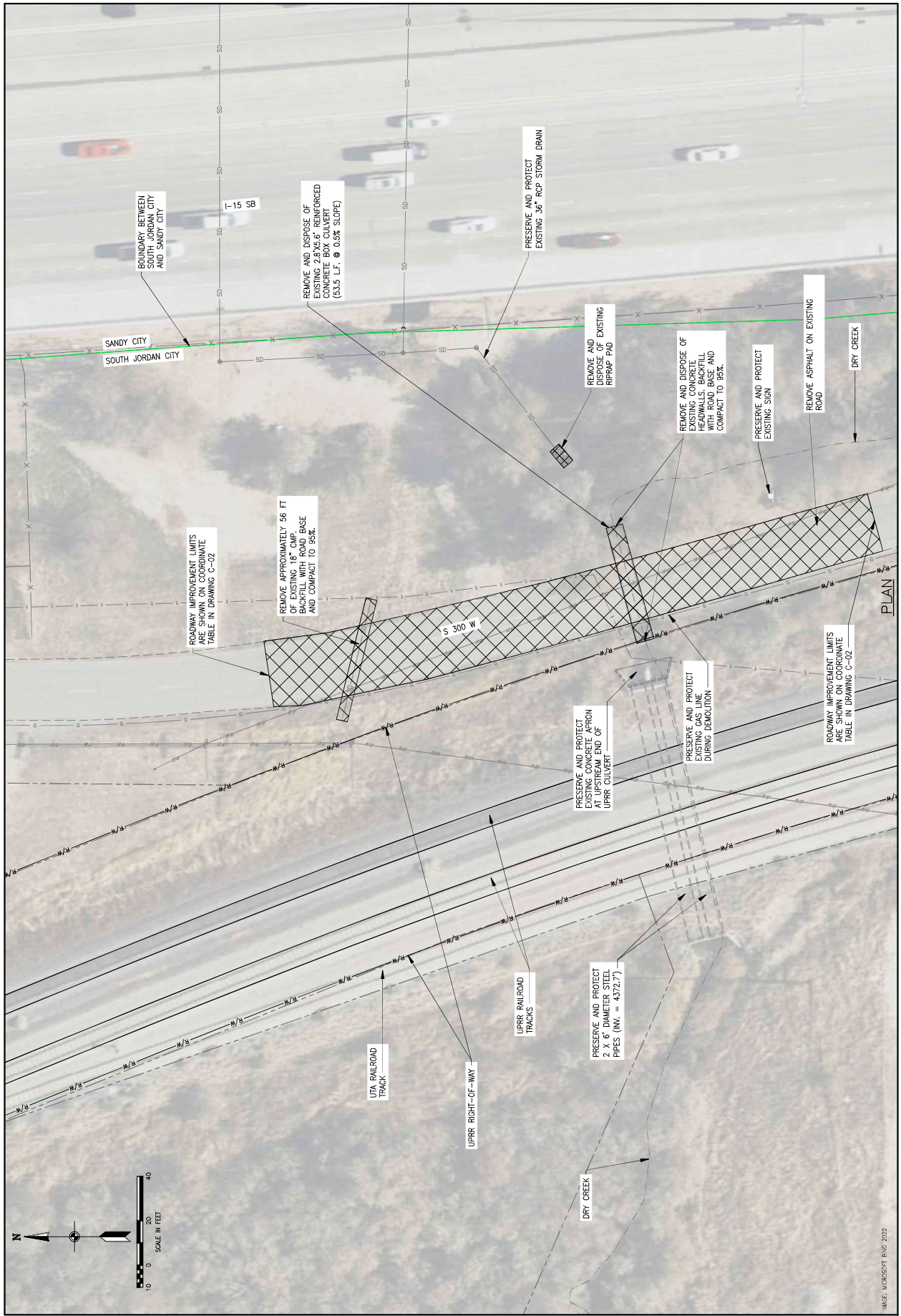
DESIGN: B. KNAGGS
CHECKED: C. BAIGLEY
APPROVED: B. KNAGGS

VERIFY SCALE

PROJECT NUMBER: 008-22-02
DATE: JUNE 2023

DEMOLITION PLAN

DRAWING NO. C-01
SHEET 05 OF 15



MADE: MICROSOFT B.V. 2022

PROJECT: 008-22-02 300 WEST DRY CREEK BOX CULVERT REPLACEMENT SOUTH JORDAN CITY SOUTH JORDAN UTAH



NO.	DATE	REV. BY	DESCRIPTION

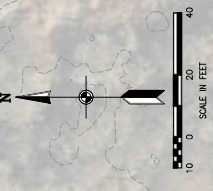
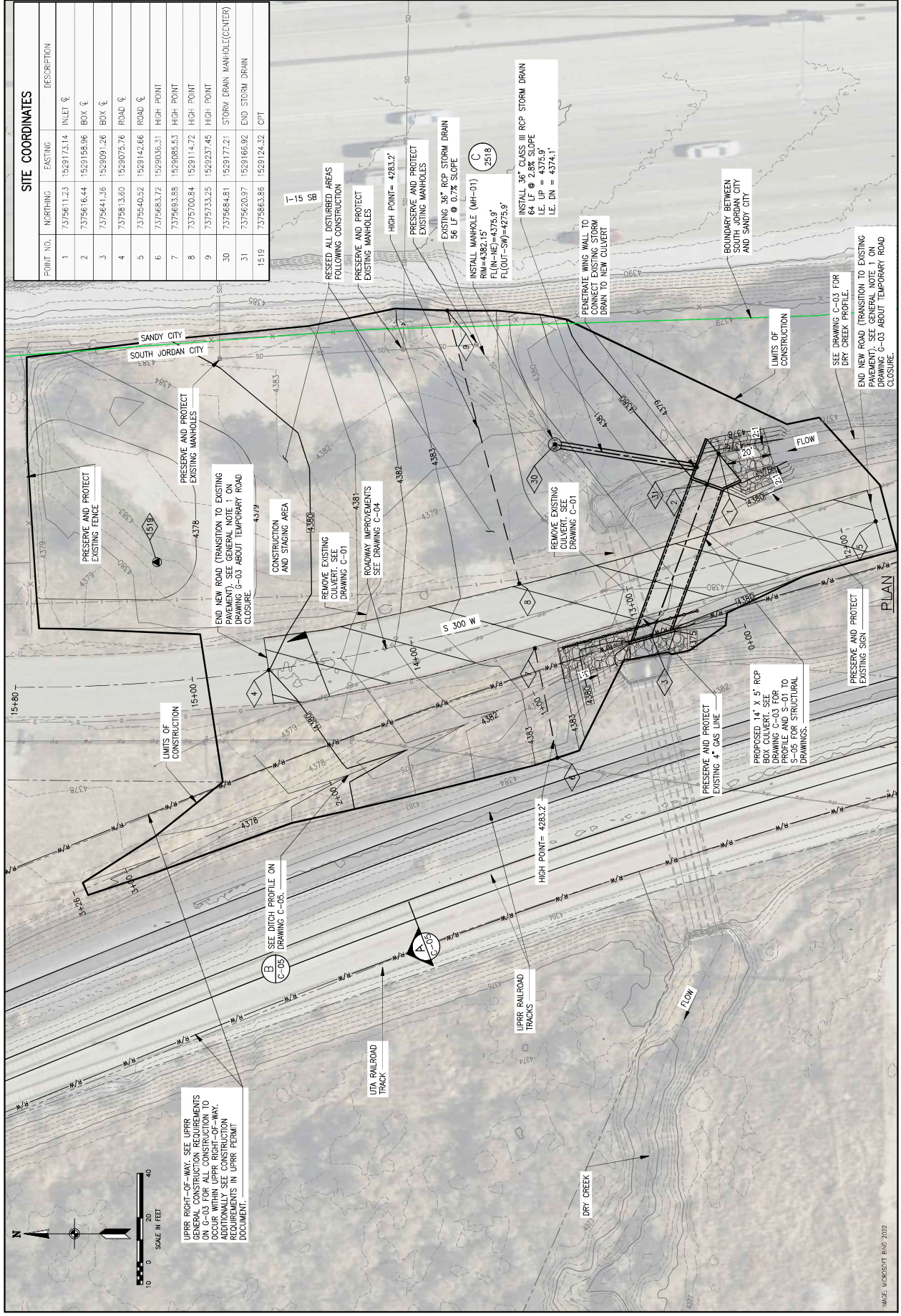
DESIGN	B. KNAGGS
CHECKED	C. BAGLEY
APPROVED	B. KNAGGS
DESIGNED BY	B. KNAGGS
DATE	06-22-02

SITE GRADING PLAN

PROJECT NUMBER: 008-22-02
DATE: JUNE 2003

DRAWING NO. **C-02**
SHEET 08 OF 15

POINT NO.	ACRORTHING	EASTING	DESCRIPTION
1	73756 11.23	1529173.14	INLET ϕ
2	73756 16.44	1529158.06	BOX ϕ
3	73756 44.36	1529091.26	BOX ϕ
4	73756 13.00	1529075.76	ROAD ϕ
5	73756 40.32	1529142.66	ROAD ϕ
6	73756 63.72	1529036.31	HIGH POINT
7	73756 63.58	1529085.53	HIGH POINT
8	73757 00.84	1529114.72	HIGH POINT
9	73757 33.25	1529237.45	HIGH POINT
30	73756 64.81	1529177.21	STORM DRAIN MANHOLE (CENTER)
31	73756 60.97	1529166.92	END STORM DRAIN
1519	73756 63.56	1529124.32	CPT



UPPER 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.



NO.	DATE	REV. BY	DESCRIPTION

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

DESIGN
DESIGNED BY B. KNAGGS

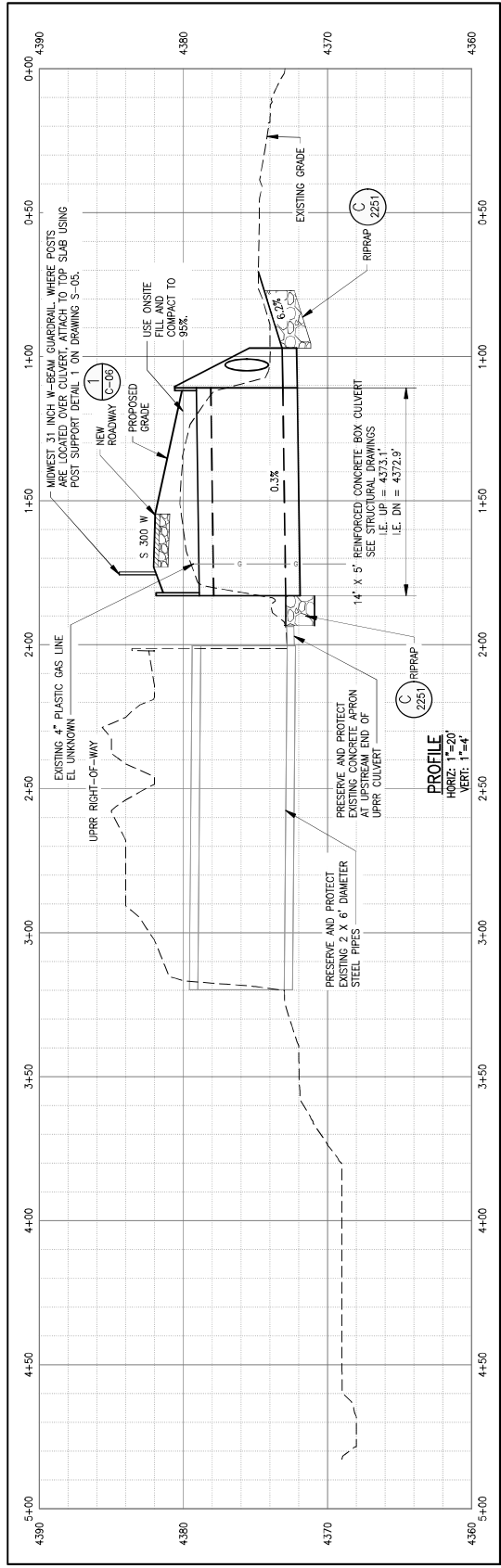
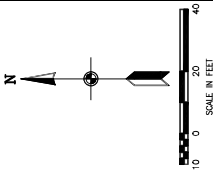
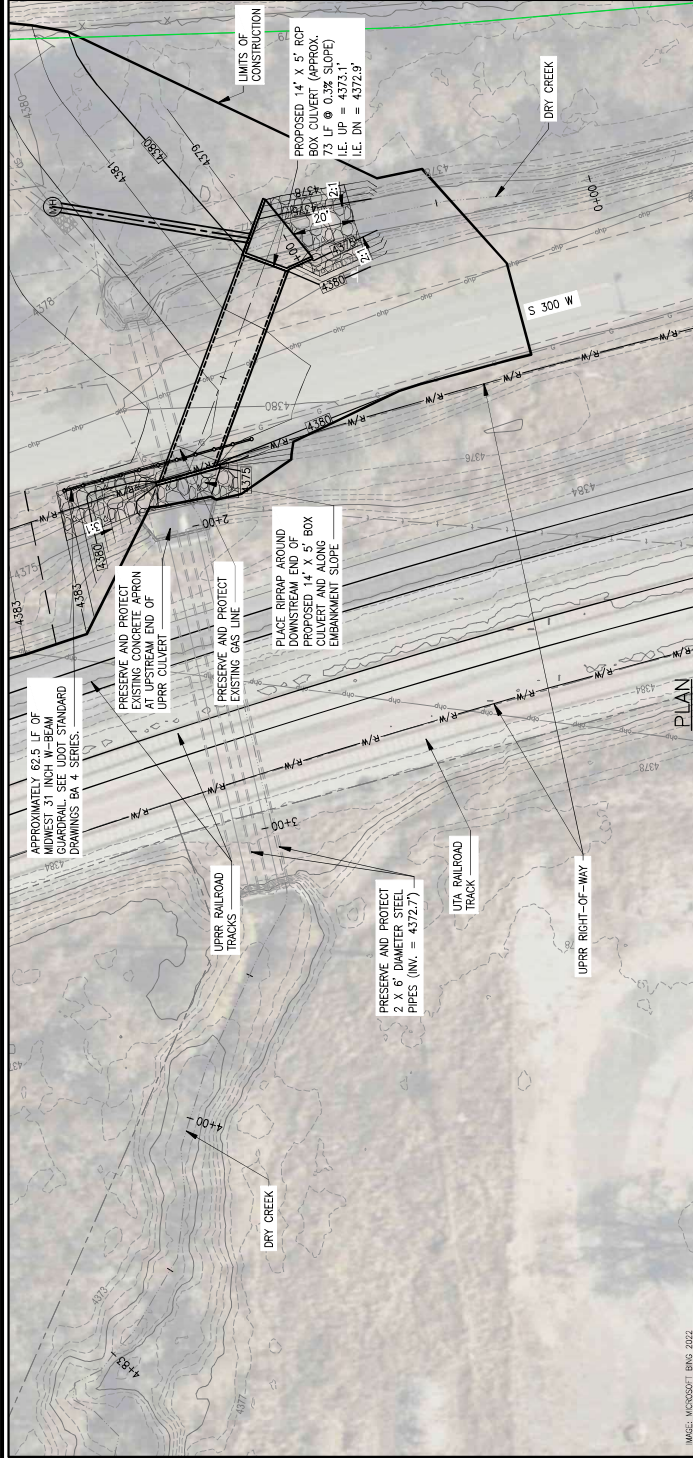
REVIEW
CHECKED BY C. BAGLEY

APPROVED BY B. KNAGGS

VERIFY SCALE
BASED ON ORIGINAL DRAWINGS
DATE: JUNE 2023
PROJECT NUMBER: 008-22-02

DRY CREEK CHANNEL PLAN AND PROFILE

DRAWING NO. C-03
SHEET 07 OF 15



UTAH MICROSOFT Bing, 2022



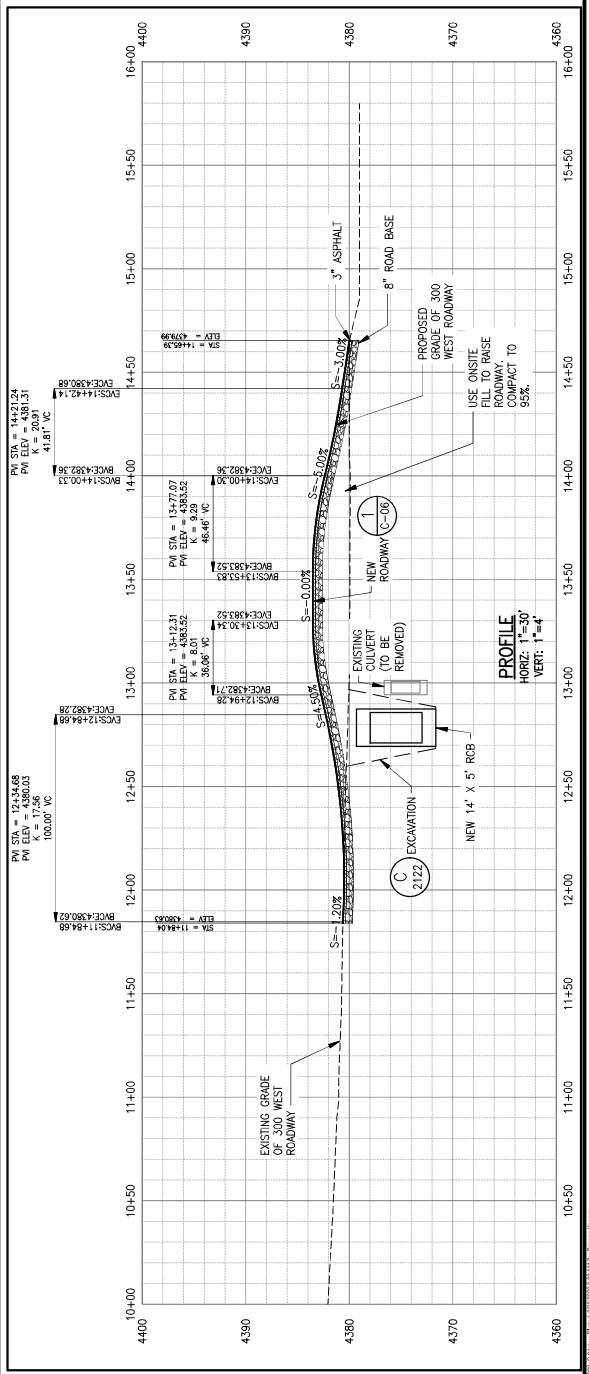
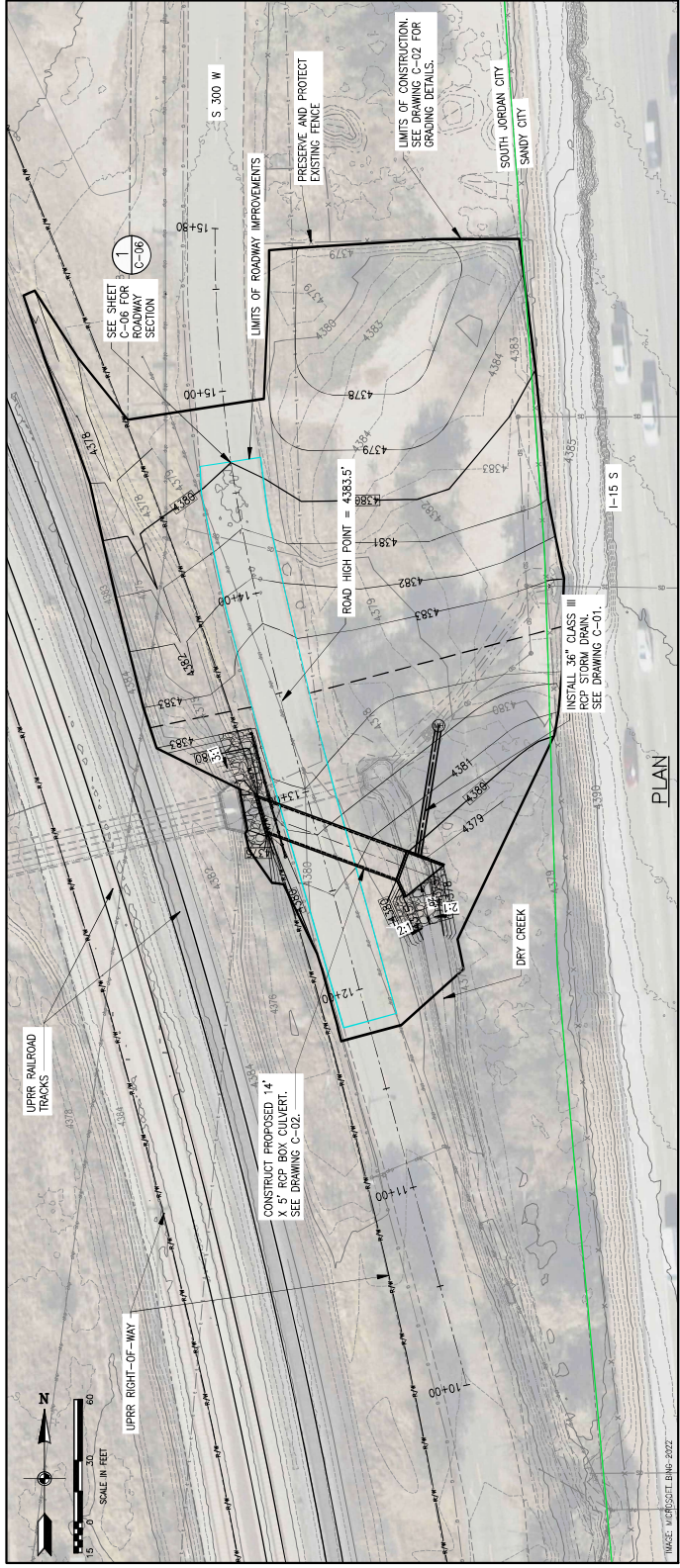
NO.	DATE	REV. BY	DESCRIPTION

VERIFY SCALE
 SOUTH JORDAN CITY
 300 WEST DRY CREEK BOX CULVERT REPLACEMENT
 DESIGN
 B. KNAGGS
 CHECKED
 C. BAGLEY
 APPROVED
 B. KNAGGS

PROJECT NUMBER
 008-22-02
 DATE
 JUNE 2023

CIVIL
 300 WEST
 ROAD IMPROVEMENTS
 PLAN AND PROFILE

DRAWING NO.
 C-04
 SHEET 08 OF 15



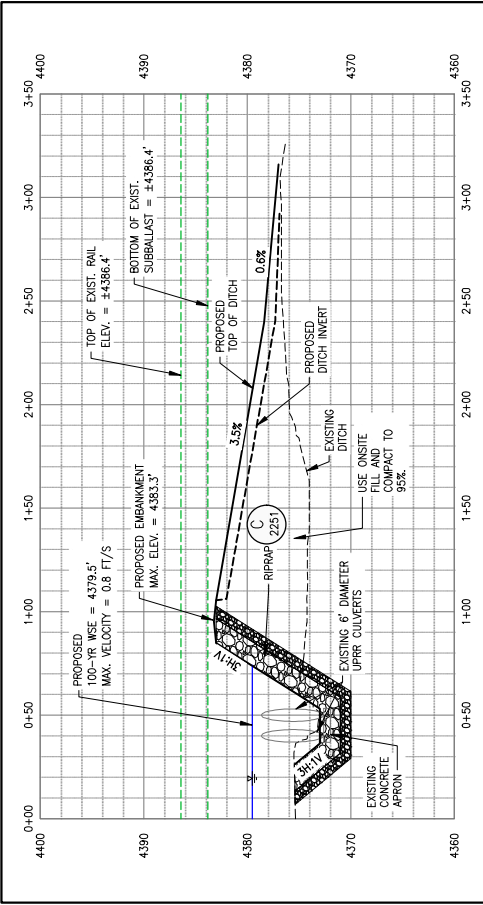


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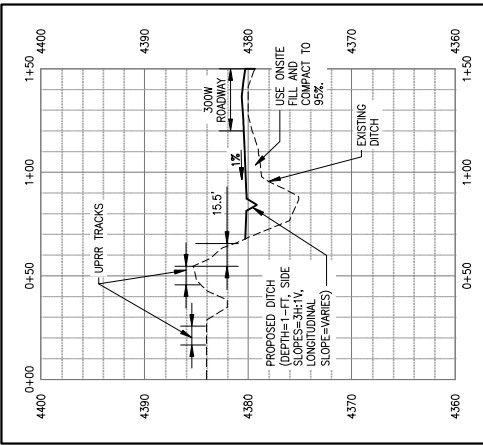
DESIGN	B. KNAGGS
CHECKED	C. BAGLEY
APPROVED	B. KNAGGS
PROJECT NUMBER	008-22-02
DATE	JUNE 2023

CIVIL
CIVIL DETAILS - 1
 DRAWING NO. C-05
 SHEET 08 OF 15

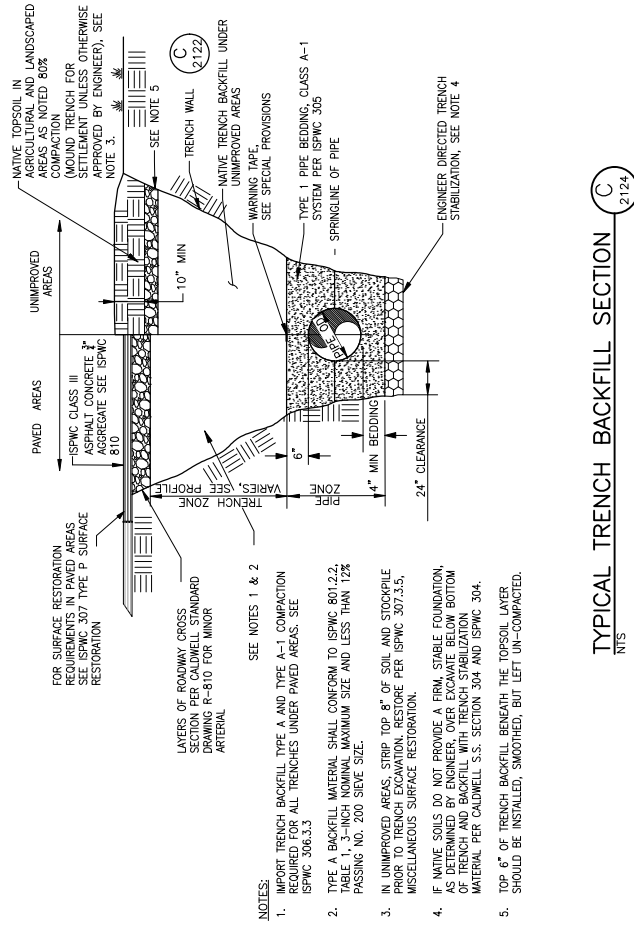
300 WEST DRY CREEK BOX CULVERT REPLACEMENT
 SOUTH JORDAN, UT
 SOUTH JORDAN CITY
 VERIFY SCALE
 BAKI B. ENGLISH ON
 CIVIL ENGINEERING



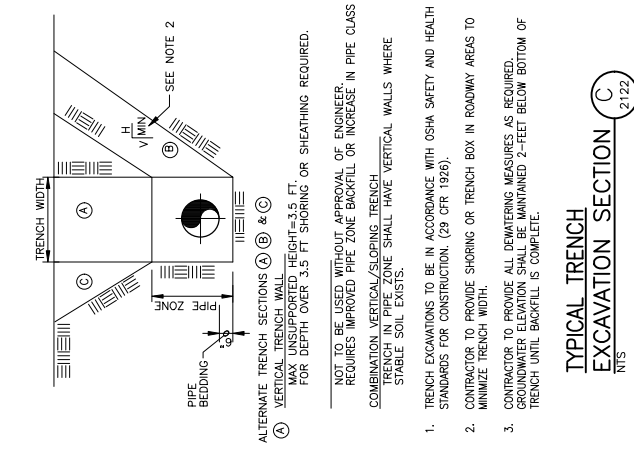
(B)
DITCH AND EMBANKMENT PROFILE
 SCALE: HORIZ. 1"=30'
 VERT. 1"=5'



(A)
CROSS SECTION AT UPRR TRACKS
 SCALE: HORIZ. 1"=30'
 VERT. 1"=5'



(C)
TYPICAL TRENCH BACKFILL SECTION
 2124



(C)
TYPICAL TRENCH EXCAVATION SECTION
 2122

- NOTES:
- IMPORT TRENCH BACKFILL TYPE A AND TYPE A-1 COMPACTION PER TABLE 1, 3-INCH NOMINAL MAXIMUM SIZE AND LESS THAN 12% PASSING NO. 200 SIEVE SIZE.
 - TYPE A BACKFILL MATERIAL SHALL CONFORM TO ISPCW 801.2.2, TABLE 1, 3-INCH NOMINAL MAXIMUM SIZE AND LESS THAN 12% PASSING NO. 200 SIEVE SIZE.
 - IN UNIMPROVED AREAS, STRIP TOP 8" OF SOIL AND STOCKPILE PRIOR TO TRENCH EXCAVATION. RESTORE PER ISPCW 307.3.5, MISCELLANEOUS SURFACE RESTORATION.
 - IF NATIVE SOILS DO NOT PROVIDE A FIRM, STABLE FOUNDATION, AS DETERMINED BY ENGINEER, OVER EXCAVATE BELOW BOTTOM OF TRENCH AND BACKFILL WITH TRENCH STABILIZATION MATERIAL PER CALDWELL S.S. SECTION 304 AND ISPCW 304.
 - TOP 6" OF TRENCH BACKFILL BENEATH THE TOPSOIL LAYER SHOULD BE INSTALLED, SMOOTHED, BUT LEFT UN-COMPACTED.

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



NO.	DATE	REV.	DESCRIPTION

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

PROJECT NUMBER	008-22-02
DATE	JUNE 2023

DRAWING NO. C-06
SHEET 10 OF 15

CIVIL DETAILS - 2

300 WEST DRY CREEK BOX CULVERT REPLACEMENT

SOUTH JORDAN CITY
SOUTH JORDAN, UTAH

IN UNPAVED AREAS, SET COLLAR AROUND MH RING 1/4" LOWER THAN FINISH GRADE AT OUTER EDGE AND INNER EDGE. IN UNPAVED AREAS, SET SIH LID 6" ABOVE EXISTING GROUND OR AS DIRECTED

PROVIDE PRECAST RINGS TO BRING COVER TO PROPER ELEVATION (RINGS CANNOT BE USED TO ADJUST MH COVER MORE THAN 1')

GROUT RINGS IN PLACE WITH CONCRETE AND SEAL WITH RUBBERIZED SEAL (BUTYL JOINT SEALANT)

WALL THICKNESS (T)

SIH DIA	T (IN)
4'	5"
5'	6"
6'	7"
7'	10"

STANDARD PRECAST MANHOLE SECTIONS (DEPTH VARIES)

TEMPORARY PLUG

UP OF GROUT CHANNEL

TEMPORARY PLUG

FLOW

D3

FLOW

D2

FLOOR LINE TO BE ABOVE TOP OF HIGHEST PIPE

PRE-CAST BASES ARE REQUIRED. ALL PRECAST BASES SHALL BE ALLOWED ONLY ON EXISTING SEWER MAINS, WHEN ACCEPTED BY ENGINEER

10" MIN.

PROVIDE 12" THICK MINIMUM COMPACTED TYPE "C" MATERIAL UNDER MH BASE

SECTION A-A

NOTES:

- INVERTS D1, D2 AND D3 SHALL MATCH THOSE SHOWN IN PLANS.
- 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.
- IF MANHOLE IS TO BE POURED IN PLACE, FOLLOW SAME PATTERN AS SHOWN EXCEPT USE 10" MIN WALL THICKNESS.
- CONE AND WALL SECTIONS TO CONFORM TO ASTM C-478.
- PLUG OUTLET OF DOWNSIDE MANHOLE UNTIL CONSTRUCTION IS COMPLETE.
- 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, ASSURED TO CHOOSE UNSATURATED MATERIAL TO A MINIMUM DEPTH OF 12" AND BACKFILL WITH STABILIZATION GRAVEL, TYPE F.

RIPRAP PROTECTION

NOT TO SCALE

FOR DEPTH SEE PLANS

FOR SLOPE SEE PLANS

GRANULAR FILTER MATERIAL

RIPRAP / ARMOR D_{90}

$D=2D_{90}$

$D=6$ -INCH

NOTES:

- FOR RIPRAP DEPTH AND SLOPE SEE PLANS
- $D_{90} = 12$ -INCH

PIPE TO STRUCTURE COLLAR

SCALE

STRUCTURE

12" MIN, TIP

3"

6" MIN

12" MIN

#5 REBAR, CENTERED, TIP

#5 REBAR COWELL AND EPOXY AT 12" OC, MIN, TIP

NOTES:

- CLASS 3000 CONCRETE, ISPCV 703.

PROPOSED 300 WEST ROADWAY

CROSS-SECTION

SCALE

30'

TRAVEL LANE

13'

TRAVEL LANE

13'

ASPHALT

2"

2"

NATURAL GROUND

ROAD BASE

2"

SHOULDER

2"

SHOULDER

2"

PROPERLY PREPARED SUBGRADE

SILT FENCE

SCALE

24" SILT FENCE

20" MINIMUM

COMPACTED BACKFILL

8" MINIMUM

16" MINIMUM

EMBED FILTER CLOTH

NOTES:

- POSTS SPACED 10' OC, MAXIMUM.
- FILTER CLOTH TO BE TIED TO MESH EVERY 24" AT TOP AND MIDDLE WITH 6" FOLDED OVERLAP AT VERTICAL SEAMS.
- FENCE SHALL BE MAINTAINED AND ACCUMULATED MATERIAL REMOVED.
- FENCE SHALL BE REMOVED AFTER CONSTRUCTION AND SITE RESTORED.

C
251B

STANDARD MANHOLE
SCALE

1
C-03, C-04

PROPOSED 300 WEST ROADWAY
CROSS-SECTION
SCALE

C
228J

PIPE TO STRUCTURE COLLAR
SCALE



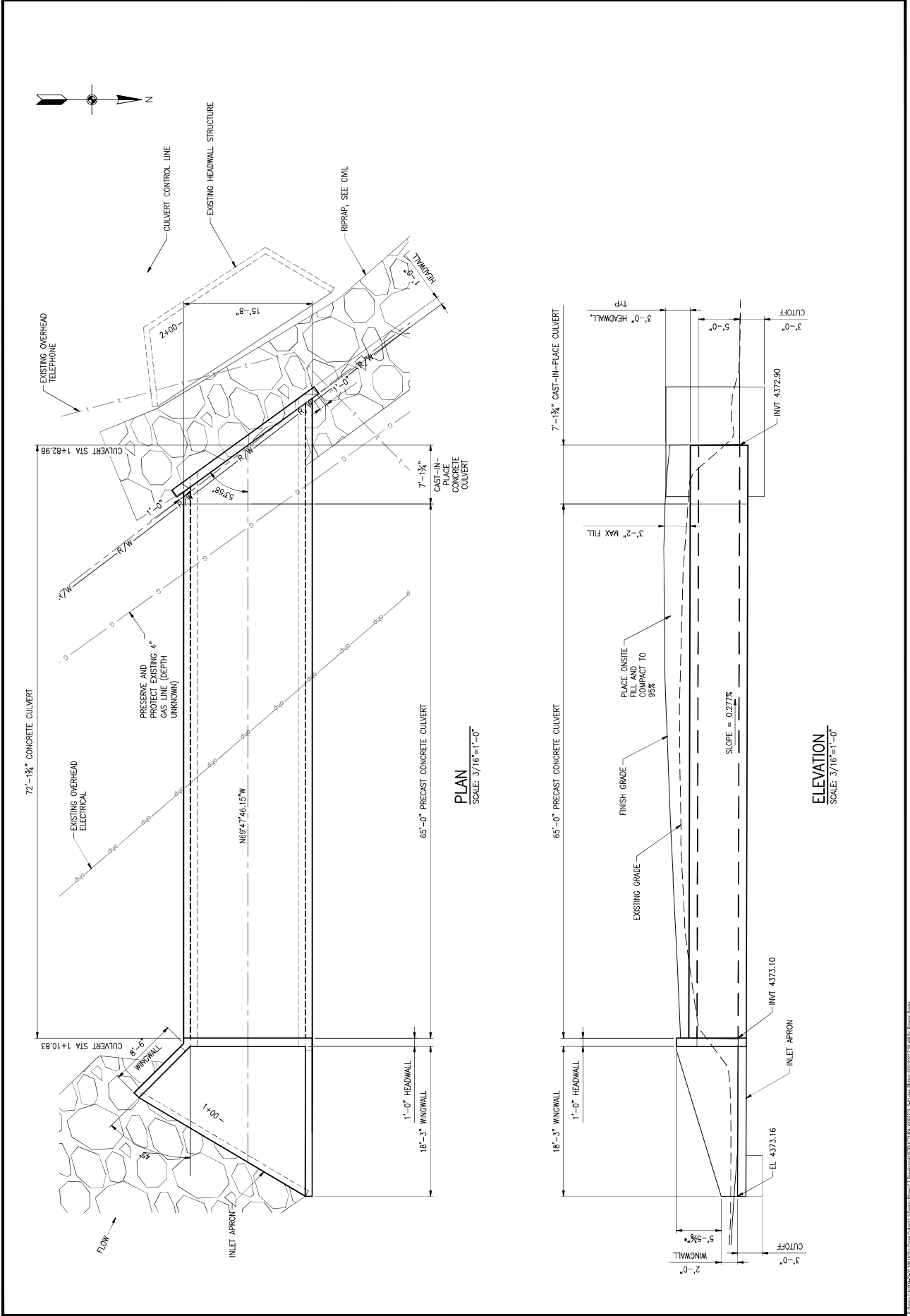
NO.	DATE	REV. BY	DESCRIPTION

VERIFY SCALE
 CHECKED: B. KNAAGGS
 APPROVED: P. BAXTER
 SOUTH JORDAN, UTAH
 ORIGINAL DRAWING

DESIGN: P. BAXTER
 DRAWN: P. BAXTER
 PROJECT NUMBER: 008-22-02
 DATE: JUNE 2023

STRUCTURAL
CULVERT
PLAN AND ELEVATION

DRAWING NO. S-01
 SHEET 11 OF 15





NO.	DATE	REV. BY	DESCRIPTION

DESIGN SCALE
 CHECKED BY: B. KNAAGGS
 APPROVED BY: P. BAXTER
 SOUTH JORDAN, UTAH
 300 WEST DRY CREEK BOX CULVERT REPLACEMENT

DESIGN
 DESIGNER: P. BAXTER
 PROJECT NUMBER: 008-22-02
 DATE: JUNE 2023

STRUCTURAL
 THROUGH STRUCTURE
 AND GENERAL NOTES

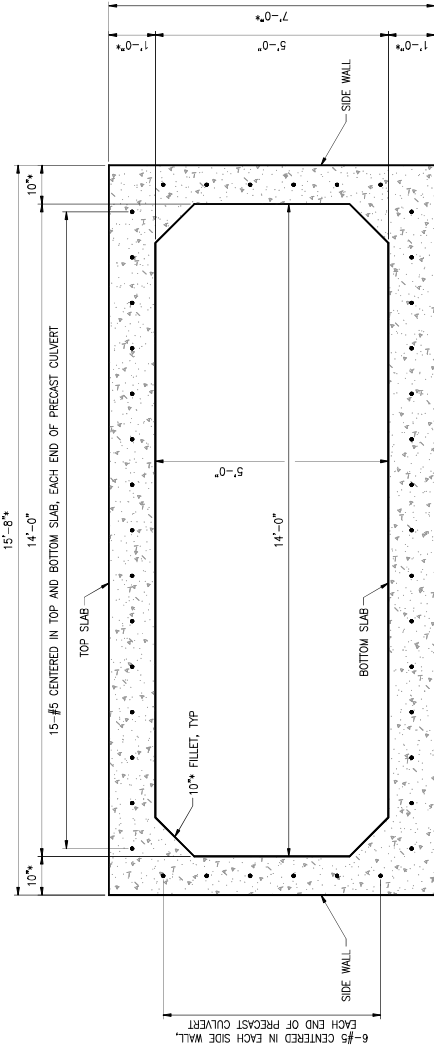
DRAWING NO. S-02
 SHEET 12 OF 15

GENERAL NOTES

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

DESIGN DATA

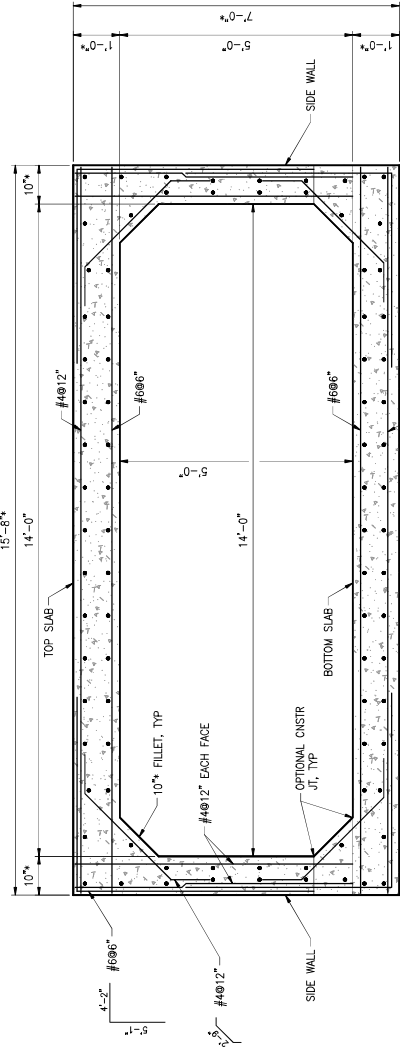
HI-33 LOADING IN ACCORDANCE WITH AASHTO LRFD BRIDGE DESIGN SPECIFICATIONS, 9TH EDITION.
 CAST-IN-PLACE STRUCTURAL CONCRETE (WINDWALLS, FOOTINGS, HEADWALLS, CULVERT)
 $f_c = 4.0$ KSI
 PRECAST CONCRETE (PRECAST CULVERT BARREL)
 $f_c = 4.0$ KSI
 REINFORCING STEEL
 $f_y = 60$ KSI AT ALL LOCATIONS
 FILL MATERIAL (ASSUMED)
 MOST UNIT WEIGHT = 135 pcf
 FRICTION ANGLE $\phi = 30$ deg



*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"

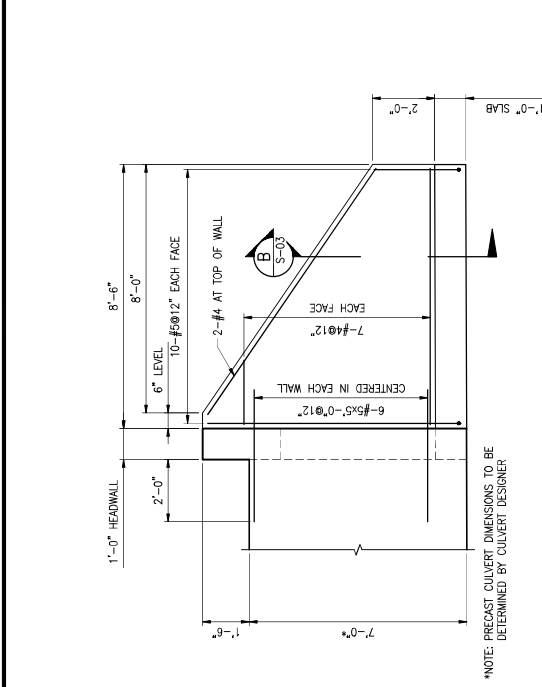
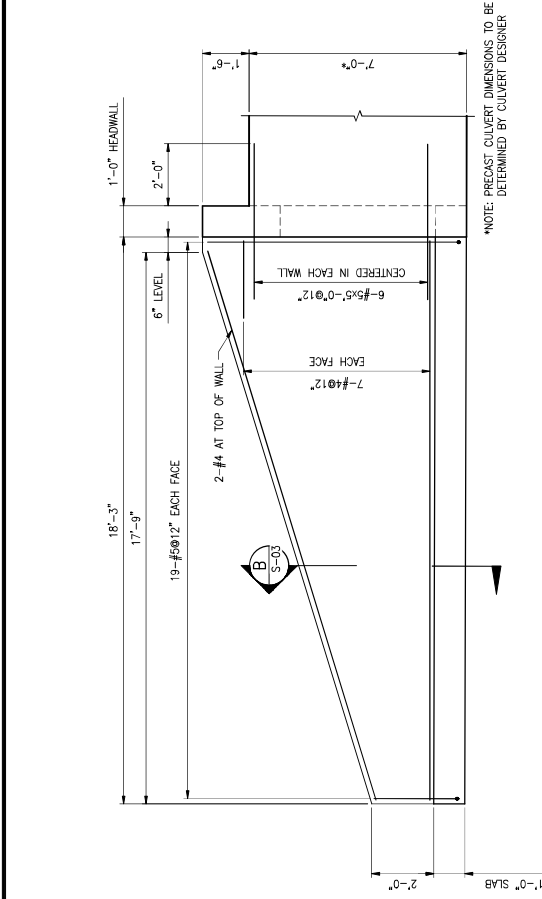


NO.	DATE	REV.	BY	DESCRIPTION

DESIGN	P. BAXTER
CHECKED	B. KNAGGS
APPROVED	P. BAXTER
DESIGN NUMBER	008-22-02
PROJECT NUMBER	008-22-02
DATE	JUNE 2023

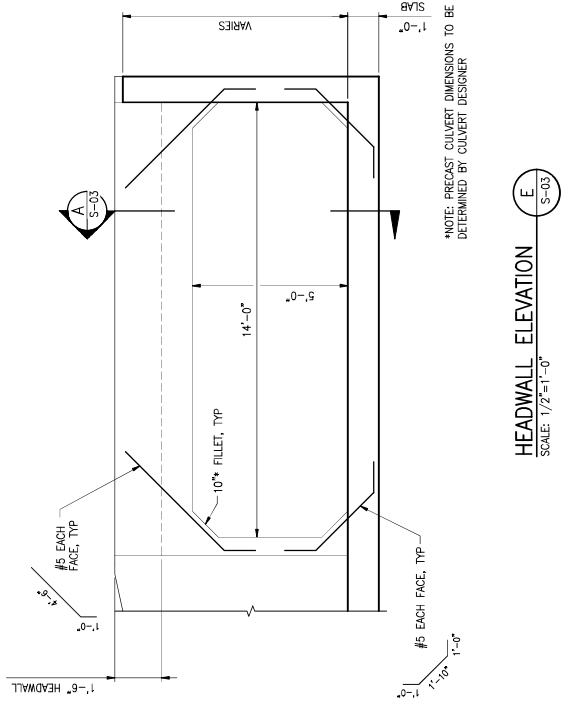
STRUCTURAL
CULVERT INLET
WALL ELEVATIONS

DRAWING NO.
S-04
 SHEET 14 OF 15



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

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





NO.	DATE	REV.	BY	DESCRIPTION

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

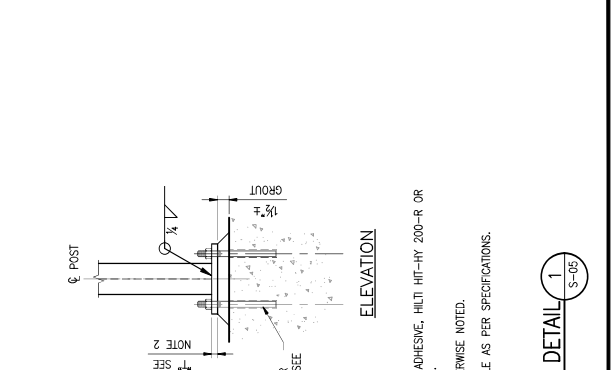
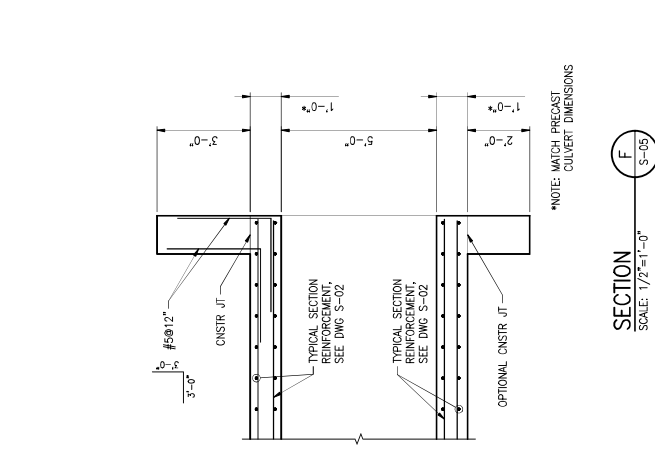
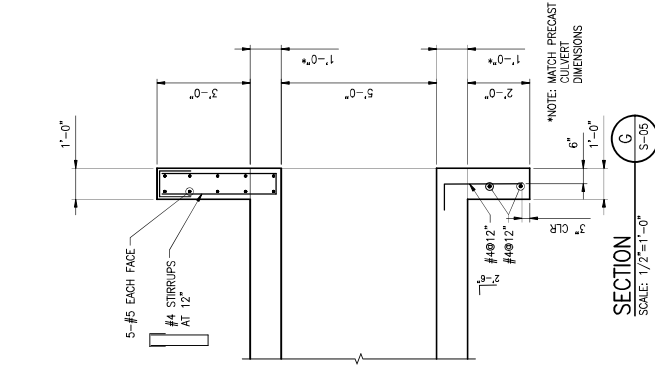
DESIGN: P. BAXTER
CHECKED: B. KNAGGS
APPROVED: P. BAXTER

DESIGN: P. BAXTER
DRAWN: P. BAXTER

PROJECT NUMBER: 008-22-02
DATE: JUNE 2023

STRUCTURAL
OUTLET
PLAN AND DETAILS

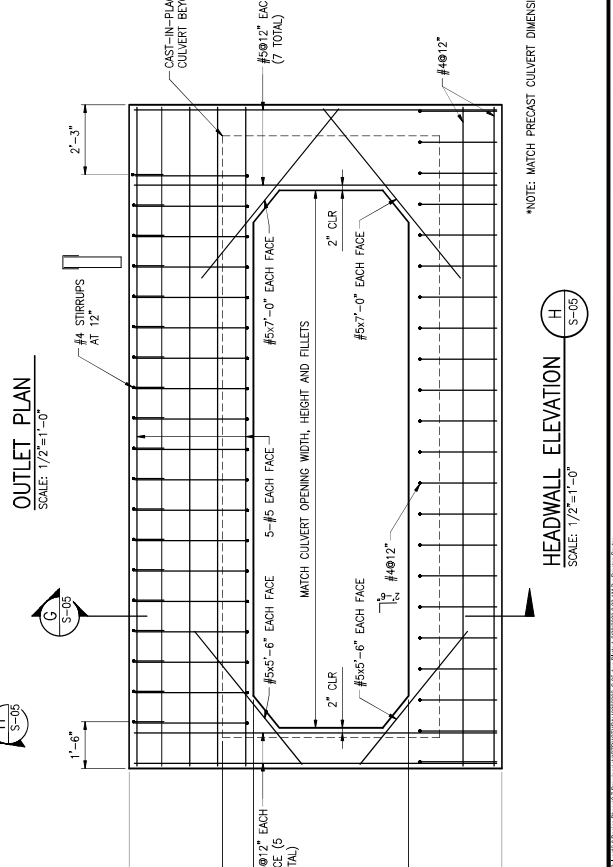
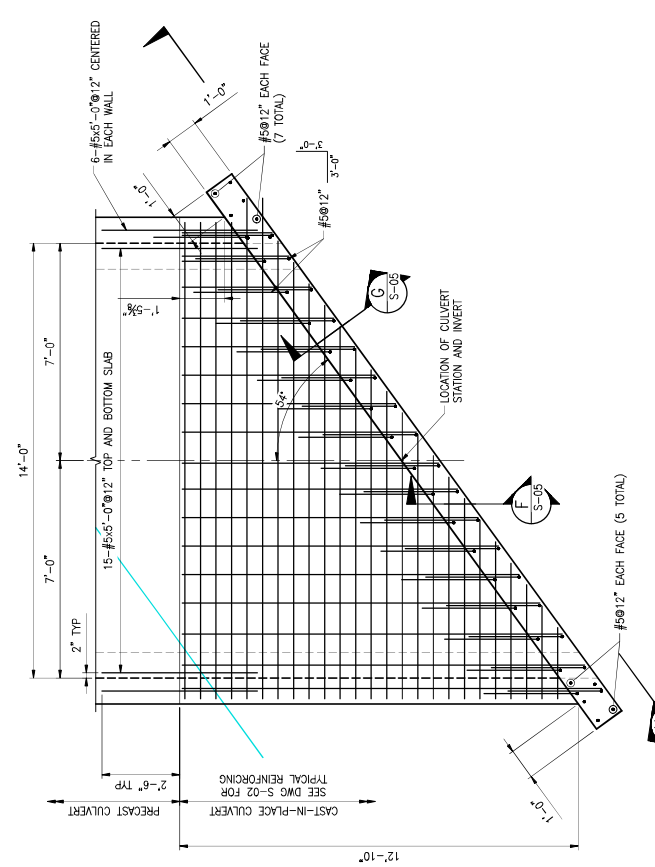
DRAWING NO. S-05
SHEET 15 OF 15



DETAIL NOTES

- ANCHOR BOLTS SHALL BE 3/4" SST EPOXY ADHESIVE, HLTI 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"



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

HEADWALL ELEVATION H
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