CONTRACT DOCUMENTS

FOR THE CONSTRUCTION OF

SOUTH SEWER INTERCEPTOR CIPP PROJECT

Volume 2 of 2 Drawings

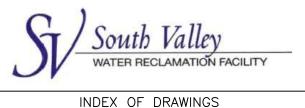


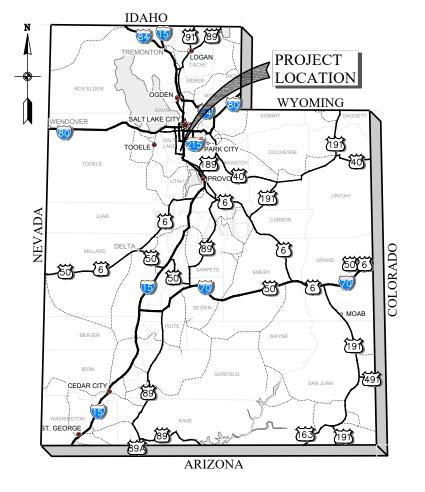


DRAWINGS FOR CONSTRUCTION OF THE

SOUTH SEWER INTERCEPTOR CIPP PROJECT

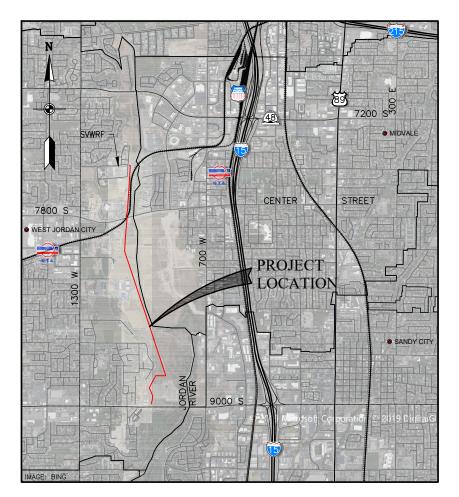
WEST JORDAN, UTAH





PROJECT LOCATION MAP

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01 G-01 INDEX OF DRAWINGS, PROJECT LOCATION & VICINITY MAPS								
02	G-02	ABBREVIATIONS						
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1		GENERAL CIVIL DETAILS						
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23	CS 01	GENERAL STRUCTURAL DETAILS						
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24	RD-01	RECORD DRAWINGS						
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26	RD-03	EXISTING SOUTH CONFLUENCE STRUCTURE – 1						
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28	RD-05	EXISTING 90-IN PIPELINE - 1						
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32	RD-09	EXISTING HEADWORKS BUILDING - 1						
33	RD-10	EXISTING HEADWORKS BUILDING — 2						
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35 36	RD-13	EXISTING HEADWORKS BUILDING - 5						



PROJECT VICINITY MAP





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SOUTH SEWER INTERCEPTOR CIPP PRC
WEST JORDAN, UTAH

DESIGN

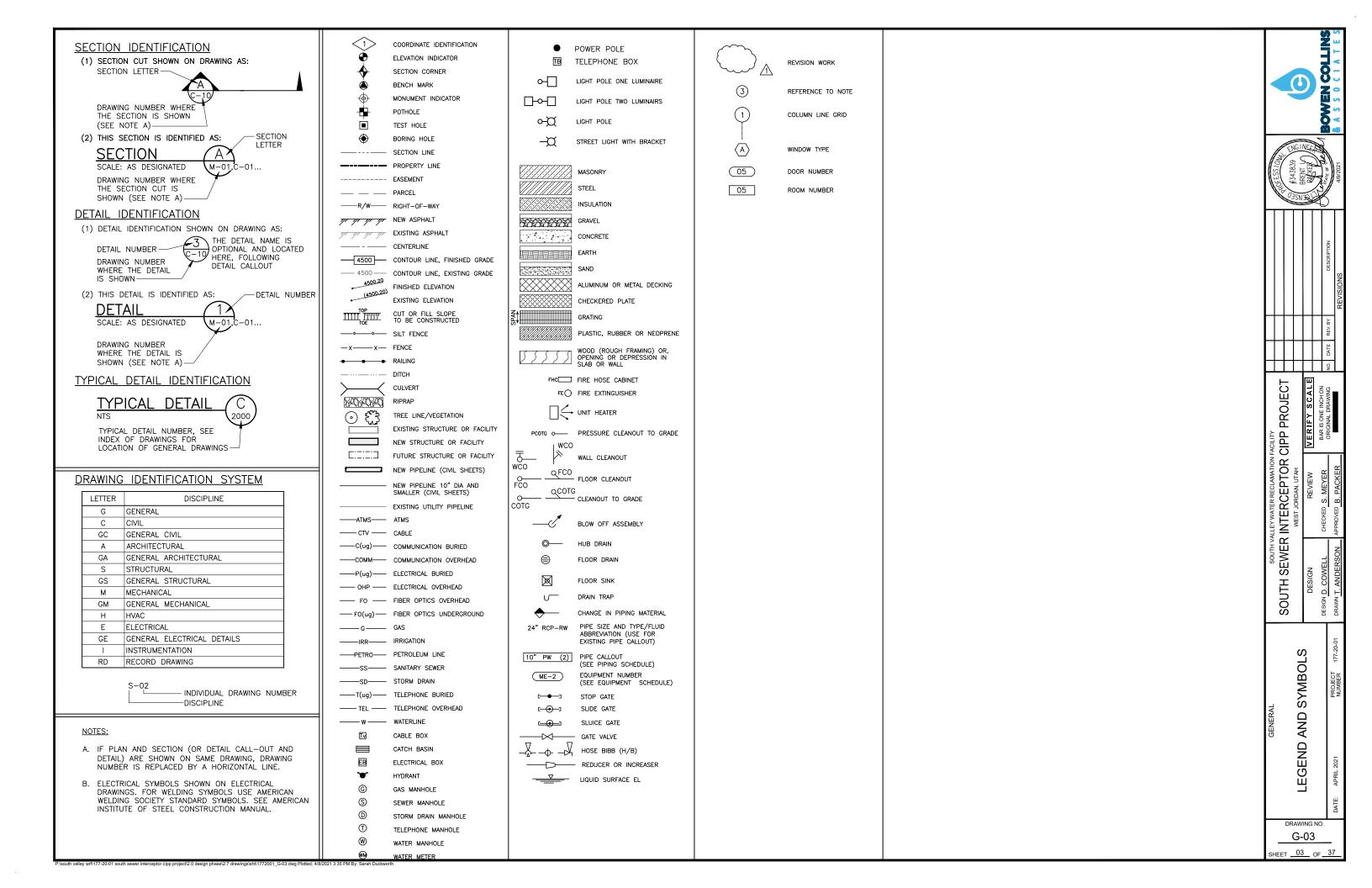
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GENERAL NOTES:

- . PERMITS: CONTRACTOR SHALL BE RESPONSIBLE TO OBTAIN ALL NECESSARY PERMITS (INCLUDING PERMIT FEES) AND COMPLY WITH THE REGULATIONS AND REQUIREMENTS OF ALL GOVERNMENTAL ENTITIES HAVING JURISDICTION. A LAND DISTURBANCE PERMIT AND ENCROACHMENT PERMIT MAY BE OBTAINED FROM WEST JORDAN CITY ENGINEERING DIVISION [CINDY NIELSON (801) 569-5133]. A UTA RIGHT-OF-WAY ENTRY AGREEMENT, ROADWAY WORKER TRAINING DETAILS, RIGHT-OF-WAY ACCESS PERMIT, AND INSURANCE REQUIREMENTS MAY BE OBTAINED FROM UTA VIA THEIR WEBSITE HTTP://WWW.RIDEUTA.COM/DOING-BUSINESS/PROPERTY-MANAGEMENT. THE SURVEY MONUMENT PERMIT MAY BE OBTAINED BY THE SALT LAKE COUNTY SURVEYOR'S OFFICE.
- TRAFFIC CONTROL PLAN: WHERE REQUIRED, CONTRACTOR SHALL PREPARE AND SUBMIT A TRAFFIC CONTROL PLAN (PER MUTCD, WEST JORDAN CITY AND UDOT SPECIFICATIONS AND STANDARDS) BY A CERTIFIED TRAFFIC CONTROL TECHNICIAN TO WEST JORDAN CITY AND TO ALL GOVERNMENTAL ENTITIES HAVING JURISDICTION [I.E. UDOT, WEST JORDAN CITY, ETC.] FOR REVIEW AND APPROVAL 3 WEEKS PRIOR TO BEGINNING CONSTRUCTION AND PRIOR TO POTHOLING EXISTING UTILITIES IN ALL ROADWAYS. TRAFFIC CONTROL SHALL BE IN PLACE 24 HOURS PER DAY, 7 DAYS PER WEEK, THROUGHOUT THE DURATION OF THE PROJECT IN THE ROAD AND TRAIL RIGHT-OF-WAYS. A 24 HOUR EMERGENCY CONTACT PERSON SHALL BE IDENTIFIED IN THE TRAFFIC CONTROL PLAN. FLAGGERS MUST BE CERTIFIED CONTRACTOR SHALL CONTACT AND COORDINATE WITH LOCAL RESIDENTS TO MINIMIZE INCONVENIENCE AND INTERRUPTION OF ACCESS. ONE WEEK BEFORE THE START OF THE PROJECT AND THROUGHOUT THE CONSTRUCTION IN THE ROAD AND TRAIL RIGHT-OF-WAYS, A SIGN OR MESSAGE BOARD SHALL BE PLACED ON EACH END OF THE PROJECT NOTIFYING THE PUBLIC OF PENDING ROAD AND TRAIL WORK.
- 3. <u>EASEMENTS AND RIGHT-OF-WAY:</u> CONTRACTOR SHALL KEEP ALL CONSTRUCTION WORK WITHIN THE EXISTING ROAD RIGHT-OF-WAY OR EASEMENTS. THIS INCLUDES, BUT IS NOT LIMITED TO, VEHICLES AND EQUIPMENT, MATERIALS, TRENCH EXCAVATION AND BACKFILL MATERIALS.
- 4. EXISTING IMPROVEMENTS: CONTRACTOR SHALL TAKE NECESSARY MEASURES TO PRESERVE AND PROTECT EXISTING STRUCTURES, SPRINKLER SYSTEMS, DRIVEWAYS, SIGNS, FENCES, LANDSCAPING, TREES, RIPRAP, DITCHES, CREEKS, GATES, ASPHALT TRAILS, CURB AND GUTTER, SIDEWALK, MEDIANS, PAVEMENTS, ROADWAYS, RAMPS, AND ALL OTHER IMPROVEMENTS. ANY SUCH IMPROVEMENTS REMOVED OR DAMAGED BY CONTRACTOR'S ACTIVITY SHALL BE REPLACED OR REPAIRED TO ORIGINAL OR BETTER CONDITION ACCORDING TO THE SPECIFICATIONS OF THE GOVERNMENTAL ENTITY HAVING JURISDICTION, AT THE SOLE EXPENSE OF THE CONTRACTOR.
- 5. <u>UTILITY FIELD VERIFICATION</u>: CONTRACTOR SHALL FIELD VERIFY LOCATIONS, SIZES, AND INVERT ELEVATIONS OF EXISTING MANHOLES, PIPE SIZES AND OTHER UTILITIES BEFORE CONSTRUCTING ANY NEW SEWER LINES.
- 6. EXISTING UTILITIES: UTILITIES SHOWN ON THE DRAWINGS ARE BASED ON THE BEST AVAILABLE INFORMATION PROVIDED BY OTHERS, AND SHOULD BE CONSIDERED APPROXIMATE AND FOR GENERAL INFORMATION ONLY. CONTRACTOR IS RESPONSIBLE TO LOCATE AND PROTECT ALL UTILITIES IN THE PROJECT AREA, INCLUDING THOSE THAT MAY NOT BE SHOWN OR THAT MAY BE SHOWN INCORRECTLY. CONTRACTOR IS SOLELY RESPONSIBLE FOR THE REPAIR OF ANY UTILITY DAMAGED AS A RESULT OF THE CONTRACTOR'S OPERATIONS. RELOCATIONS AND/OR REPLACEMENTS OF EXISTING UTILITIES SHALL BE COORDINATED BY THE CONTRACTOR WITH THE UTILITY OWNER. CONTRACTOR SHALL CONTACT, SCHEDULE, AND ESTABLISH UTILITY SHUT DOWN TIMES AND DETERMINE THE RELOCATION AND/OR REPLACEMENT REQUIREMENTS OF EXISTING UTILITIES PRIOR TO THE START OF ANY WORK. CONTRACTOR CAN BE PROVIDED PREVIOUS YEARS TRUNK SEWER CCTV PRODUCTION UPON REQUEST.

PROJECT NOTES:

- CONSTRUCTION SCHEDULE: CONTRACTOR SHALL PERFORM CONSTRUCTION WORK PER THE FOLLOWING REQUIREMENTS. NO SEWER CONSTRUCTION WORK SHALL BE PERFORMED OUTSIDE OF THE FOLLOWING REQUIREMENTS WITHOUT THE WRITTEN APPROVAL FROM WEST JORDAN CITY ENGINEERING AS NOTED BELOW.
- A. WORK SHALL BE PERFORMED DURING THE HOURS OF MONDAY FRIDAY FROM 7:00 AM TO 10:00 PM UNLESS WRITTEN PERMISSION IS PROVIDED BY THE CITY ENGINEER.
- B. WEEKENDS OR HOLIDAYS: PERFORM NO WORK WITHOUT WRITTEN APPROVAL FROM WEST JORDAN CITY ENGINEERING EXCEPT REPAIR OR SERVICING OF EQUIPMENT, PROTECTION OF WORK, MAINTENANCE OR CURING OF CONCRETE, OR MAINTENANCE OF TRAFFIC.
- C. NIGHT WORK:
- THERE IS A NOISE ORDINANCE WHICH PROHIBITS WORK ON CONSTRUCTION PROJECTS BETWEEN THE HOURS OF 10:00 PM AND 7:00 AM MONDAY THROUGH SATURDAY, AND BEFORE 9:00 AM ON SUNDAY. RELIEF FROM THE ORDINANCE CAN BE GRANTED BY CITY ENGINEERING ONLY IF IT CAN BE SHOWN THAT WORK DURING THESE HOURS BY ITS NATURE REQUIRES CONTINUOUS OPERATIONS.
- A REQUEST TO WORK BETWEEN THE HOURS OF 10:00 PM AND 7:00 AM MONDAY THROUGH SATURDAY, AND BEFORE 9:00 AM ON SUNDAY MUST

- BE MADE FIVE CALENDAR DAY PRIOR TO WORK BEING PERFORMED AND SHALL BE APPROVED BY WEST JORDAN CITY ENGINEERING DIVISION [NATE NELSON (801) 569-5070]. IF WORK IS APPROVED, PROVIDE TRAFFIC CONTROL, SITE SAFETY, AND ADEQUATE LIGHTING FOR PERFORMING SATISFACTORY INSPECTION AND CONSTRUCTION OPERATIONS.
- CONSTRUCTION STANDARDS AND SPECIFICATIONS: ALL WORK ON NEW AND EXISTING SANITARY SEWER IMPROVEMENTS SHALL BE IN ACCORDANCE WITH DRAWINGS AND SPECIFICATIONS IN THE CONTRACT DOCUMENTS.
- STAKING AND AS-BUILTS: CONTRACTOR IS RESPONSIBLE FOR CONSTRUCTION STAKING (INCLUDING, BUT NOT LIMITED TO, STAKING ALL EASEMENT BOUNDARY/LIMITS OF DISTURBANCE LINES) AND CONSTRUCTION REDLINED DRAWINGS DOCUMENTING ANY CHANGES TO THE PROJECT.
- 4. EXISTING MANHOLE SIZE: EXISTING MANHOLE SIZES AS SHOWN ON THE CONSTRUCTION DRAWINGS, SEE GENERAL NOTE 5.

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- 5. BUSINESS AND RESIDENTIAL ACCESS: CONTRACTOR SHALL BE RESPONSIBLE TO PROVIDE TEMPORARY ACCESS FOR ALL BUSINESSES AND RESIDENTS IMPACTED BY CONSTRUCTION OF THE PROJECT. VEHICULAR ACCESS TO RESIDENTIAL PROPERTY MAY NOT BE BLOCKED FOR MORE THAN 24 HOURS. CONTRACTOR SHALL CONTACT AND COORDINATE WITH RESIDENTS TO MINIMIZE INCONVENIENCE IF VEHICULAR ACCESS WILL BE BLOCKED FOR UP TO 24 HOURS.
- 6. EXISTING PIPE LENGTHS AND MANHOLE DEPTHS: EXISTING PIPE LENGTHS AND MANHOLE DEPTHS AS SHOWN ON THE CONSTRUCTION DRAWINGS. CONTRACTOR IS RESPONSIBLE FOR DETERMINING ACTUAL PIPE LENGTH AND MANHOLE DEPTH QUANTITIES FOR CIPP AND MANHOLE LINING. SEE GENERAL NOTE 5.
- 7. ROAD CLOSURES: IF ROAD CLOSURE IS NEEDED, ALL LOCAL CITIES, COUNTIES, EMERGENCY SERVICES (IE HOSPITALS), SCHOOL DISTRICTS, UTA, AND PROPERTY OWNERS SHALL BE NOTIFIED OF LANE LIMITATIONS AND/OR ROAD CLOSURES 14 DAYS PRIOR TO COMMENCEMENT OF LIMITATION OR CLOSURE. CENTRAL DISPATCH OF EACH AFFECTED AGENCY AND ADJOINING FAITLITIES SHALL RECEIVE NOTIFICATION
- 8. MAIL SERVICE: CONTRACTOR MAY NOT DISRUPT MAIL SERVICE TO RESIDENTS.
- 9. SWPPP: CONTRACTOR SHALL PREPARE AND SUBMIT A SWPPP TO ALL GOVERNING ENTITIES HAVING JURISDICTION PRIOR TO CONSTRUCTION. THE CONTRACTOR AND ALL BEST MANAGEMENT PRACTICES SHALL ABIDE BY THE NEWEST CITY STANDARDS AND ALL REQUIREMENTS OF THE APPROVED PLAN. ALL BMPS SHALL BE REMOVED BY THE CONTRACTOR AT THE COMPLETION OF THE PROJECT AND AFTER CITY APPROVAL. SEE PROJECT NOTE 35 ON DRAWING NO. G-05.
- 10. <u>CONFINED SPACE</u>: CONTRACTOR SHALL BE REQUIRED TO MEET FEDERAL CONFINED SPACE IN CONSTRUCTION STANDARDS AS CONTAINED IN THE US DEPARTMENT OF LABOR, OSHA REGULATION 29 CFR, SUBPART AA. SYWRF HAS DETERMINED THAT ALL SANITARY SEWER MANHOLES, CONFLUENCE STRUCTURES. AND GRAVITY SEWERS ARE CONFINED SPACES.
- 11. MATERIAL DISPOSAL: EXISTING SANITARY SEWER MANHOLE GRADE RINGS, COLLARS, MANHOLES, AND PIPING THAT ARE REMOVED AND DISPOSED OF MUST COMPLY WITH DISPOSAL REQUIREMENTS FROM ALL FEDERAL, STATE AND LOCAL AGENCIES. SEWER CLEANING WASTE AND ANY LINING CURING WATER SHALL BE DISPOSED OF PER THE SPECIFICATIONS.
- 12. EXISTING PIPE AND MANHOLE MATERIAL: UNLESS OTHERWISE SHOWN, EXISTING PIPE AND MANHOLE MATERIAL IS REINFORCED CONCRETE.
- 13. <u>DRAINAGE DITCH RESTORATION:</u> CONTRACTOR SHALL RESTORE ANY EXISTING DRAINAGE DITCHES OR IRRIGATION PIPING DISTURBED BY SEWER CONSTRUCTION TO ORIGINAL OR BETTER CONDITION. IT IS THE CONTRACTORS RESPONSIBILITY TO ASSURE UNINTERRUPTED FLOW IN THE DRAINAGE DITCHES WITHIN THE CONSTRUCTION AREA. BYPASS PUMPING OR TEMPORARY REROUTING OF DITCH MAY BE REQUIRED AT NO ADDITIONAL COST TO SOUTH VALLEY WATER RECLAMATION FACILITY.
- 14. PIPE BEDDING AND TRENCH BACKFILL: PIPE BEDDING, BACKFILL MATERIALS, AND INSTALLATION SHALL BE IN ACCORDANCE WITH SPECIFICATIONS. NON WOVEN, NON-BIODEGRADABLE FILTER FABRIC (MIRAFI 140 N OR APPROVED EQUAL) WRAP AROUND THE PIPE ZONE IS REQUIRED
- 5. TESTING AND TV INSPECTION: SOUTH VALLEY WATER RECLAMATION FACILITY WILL PROVIDE SOIL COMPACTION TESTING AND CIPP LINER TESTING BY A THIRD PARTY. CONTRACTOR SHALL PROVIDE MANHOLE LINING TESTING AND ALL OTHER TESTING WORK PERFORMED ON THE SANITARY SEWER SYSTEM. SEE SECTION 33 01 30.72, 33 01 30.72.A, AND 33 01 30.81 OF THE SPECIFICATIONS FOR TESTING, CCTV INSPECTION, AND ACCEPTANCE REQUIREMENTS.

16. BYPASS PUMPING:

- A. CONTRACTOR SHALL PREPARE AND SUBMIT BYPASS PUMPING PLANS TO THE ENGINEER FOR APPROVAL PRIOR TO BEGINNING WORK. THESE PLANS SHALL MEET THE FOLLOWING REQUIREMENTS:
- IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO KEEP ALL SEWER LINES AND LATERALS IN SERVICE AT ALL TIMES DURING CONSTRUCTION PER SPECIFICATIONS. ANY INTERRUPTION OF SEWER LINE SERVICE SHALL BE COORDINATED WITH PROPERTY OWNERS OR WITH THE OWNER OF THE SEWER LINE.
- 2) BYPASS PUMPING NEEDS OR OTHER MEANS MAY BE NECESSARY AND SHALL BE THE SOLE RESPONSIBILITY OF THE CONTRACTOR.
- CONTRACTOR SHALL PROVIDE A PLAN TO PROTECT BYPASS PUMPING LINES USED DURING CONSTRUCTION WHEN CROSSING TRAILS, STREETS. ETC.. AS PART OF THE BYPASS PUMPING PLAN.
- 4) BYPASS PLANS USING PUMPING EQUIPMENT SHALL INCLUDE CONTINUOUS (24 HR/DAY) MONITORING OF THE PUMPING EQUIPMENT, AS WELL AS, FULL PUMP EQUIPMENT REDUNDANCY.
- 5) PLAN SHALL ALSO INCLUDE PUMPING CALCULATIONS, PUMP CURVES, PIPING INFO, THRUST RESTRAINT METHODS WHERE NEEDED, RAMPS, BRIDGES, AND/OR JERSEY BARRIERS, ETC. WHERE NEEDED, SIGN NOTIFICATIONS, TRAFFIC LIGHTS, AND/OR REFLECTIVE BARRICADES WHERE NEEDED, ETC. THE WORDING ON THE SIGNS SHALL BE APPROPRIATE FOR THE SITUATION. ALL RAMPS, BRIDGES, AND JERSEY BARRIERS SHALL BE IN COMPLIANCE WITH ADA REQUIREMENTS AND STANDARDS.
- 6) BYPASS PUMPING HOSES SHALL BE FUSED HDPE OR POLYURETHANE LAYFLAT HOSE BY MIDWEST HOSE AND SPECIALTY AND INSTALLED PER MANUFACTURER'S SPECIFICATIONS AND GUIDELINES.
- CONTRACTOR SHALL PROVIDE SPILL CONTAINMENT FOR ALL EQUIPMENT AND FUEL STORAGE AT THE PUMPING SITES.
- 8) RESTORATION OF ALL AREAS DISTURBED BY BYPASS PUMPING OPERATIONS SHALL BE TO THE SATISFACTION OF PROPERTY OWNERS AND PER WEST JORDAN CITY STANDARDS.

B. SEWER FLOWS ENTERING THE SOUTH CONFLUENCE STRUCTURE MAY BE DIVERTED TO THE EXISTING 48—INCH OR 54—INCH TRUNK LINES CONTROLLED BY GATES. OPERATION OF GATES ARE TO BE PERFORMED BY SVWRF. SIDE CONNECTION FLOWS ENTERING OUTFALL LINES DOWNSTREAM FROM THE SOUTH CONFLUENCE STRUCTURE WILL REQUIRE BYPASS PUMPING. C. AN OPTIONAL BYPASS ROUTE AT THE HEADWORKS BUILDING IS SHOWN ON DRAWING NOS. RD—09 TO RD—14.

D. SEE DRAWING NO. G-06 FOR BYPASS FLOW DATA AND SEWER CONNECTIONS.

- 17. <u>DEWATERING:</u> GROUND WATER IS ANTICIPATED WITHIN FIVE FEET OF THE SURFACE. GROUND WATER AND SURFACE WATER CONTROL SHALL BE PERFORMED AND RESPONSIBLY HANDLED BY THE CONTRACTOR ACCORDING TO, AND IN COMPLIANCE WITH, ALL LOCAL GOVERNING AUTHORITIES. HEAVY GROUND WATER AND/OR SURFACE WATER PUMPING MAY BE REQUIRED. IT IS THE CONTRACTOR'S SOLE RESPONSIBILITY TO DETERMINE POTENTIAL PUMPING NEEDS.
- 18. PRE—CONSTRUCTION VIDEO & PROPERTY RESTORATION RELEASE FORMS:
 CONTRACTOR SHALL PROVIDE A COPY OF THE VIDEO TO THE ENGINEER
 SHOWING ALL EXISTING SURFACE CONDITIONS PRIOR TO MOBILIZING AND
 BEGINNING WORK. ADEQUATE DETAIL OF THE SURFACES SHALL BE PROVIDED.
 AFTER DISTURBED AREAS ARE RESTORED TO ORIGINAL OR BETTER
 CONDITIONS, CONTRACTOR SHALL OBTAIN AND SUBMIT TO THE ENGINEER
 SIGNED PROPERTY RESTORATION RELEASE FORMS FROM EACH PROPERTY
 OWNER IMPACTED BY CONSTRUCTION. A COPY OF THE RELEASE FORM IS
 FOUND IN THE APPENDIX OF THE CONTRACT DOCUMENTS.
- 19. <u>UNIMPROVED SURFACE RESTORATION:</u> CONTRACTOR SHALL STRIP, STOCKPILE AND REPLACE EXISTING TOP SOIL (MINIMUM TOP 12 INCHES OF MATERIAL) WITHIN THE EXCAVATED AREA OR WITHIN ANY AREA DISTURBED BY TEMPORARY HAUL ROADS. CONTRACTOR SHALL GRADE AND RESTORE GROUND MATCHING OR EXCEEDING ORIGINAL LANDSCAPING CONDITIONS, THIS INCLUDES, BUT NOT LIMITED TO: TOPSOIL, SEED, GRASS, BUSHES, TREES, FENCES, SPRINKLERS, LANDSCAPE ROCKS, VEGETATION, ETC. COORDINATE WITH OWNER OF UNIMPROVED SURFACE PRIOR TO RESTORATION.
- 20. <u>Gravel road restoration:</u> Contractor shall grade and restore surface matching or exceeding original gravel road conditions. Place and compact 6—inch thick material matching existing gravel material per the specifications and matching the width of the existing gravel road. Coordinate with owner of the gravel road prior to restoration
- 21. <u>DIRT ROAD RESTORATION:</u> CONTRACTOR SHALL GRADE, RESTORE, AND COMPACT SURFACE MATCHING OR EXCEEDING ORIGINAL DIRT ROAD CONDITIONS, THIS INCLUDES, BUT NOT LIMITED TO: SOIL, ETC. MATCH THE WIDTH OF THE EXISTING DIRT ROAD. COORDINATE WITH OWNER OF THE DIRT ROAD PRIOR TO RESTORATION.
- 22. <u>ALFALFA FIELD RESTORATION:</u> CONTRACTOR SHALL STRIP, STOCKPILE AND REPLACE EXISTING TOP SOIL (MINIMUM TOP 24 INCHES OF MATERIAL) WITHIN

- THE EXCAVATED AREA OR WITHIN ANY AREA DISTURBED BY TEMPORARY HAUL ROADS. CONTRACTOR SHALL GRADE AND RESTORE GROUND MATCHING OR EXCEDING ORIGINAL ALFALFA FIELD CONDITIONS, THIS INCLUDES, BUT NOT LIMITED TO: TOPSOIL, ETC. COORDINATE WITH OWNER OF THE ALFALFA FIELD PRIOR TO RESTORATION.
- 23. <u>CORN FIELD RESTORATION:</u> CONTRACTOR SHALL STRIP, STOCKPILE AND REPLACE EXISTING TOP SOIL (MINIMUM TOP 24 INCHES OF MATERIAL) WITHIN THE EXCAVATED AREA OR WITHIN ANY AREA DISTURBED BY TEMPORARY HAUL ROADS. CONTRACTOR SHALL GRADE AND RESTORE GROUND MATCHING OR EXCEEDING ORIGINAL CORN FIELD CONDITIONS, THIS INCLUDES, BUT NOT LIMITED TO: TOPSOIL, ETC. COORDINATE WITH OWNER OF THE CORN FIELD PRIOR TO RESTORATION.
- 24. LANDSCAPE RESTORATION: CONTRACTOR SHALL STRIP, STOCKPILE AND REPLACE EXISTING TOP SOIL (MINIMUM TOP 12 INCHES OF MATERIAL) WITHIN THE EXCAVATED AREA OR WITHIN ANY AREA DISTURBED BY TEMPORARY HAUL ROADS. CONTRACTOR SHALL GRADE AND RESTORE GROUND MATCHING OR EXCEEDING ORIGINAL LANDSCAPING CONDITIONS, THIS INCLUDES, BUT NOT LIMITED TO: TOPSOIL, GRASS, CONCRETE CURBING, GRAVEL, TREES, FENCES, SPRINKLERS, LANDSCAPE ROCKS, BARK, VEGETATION, ETC. COORDINATE WITH OWNER ON LANDSCAPING PRIOR TO RESTORATION.
- 25. <u>DISCREPANCIES</u>, <u>OMISSIONS AND CONFLICTS</u>: THE CONTRACTOR SHALL NOTIFY THE OWNER OF ANY DISCREPANCIES, OMISSIONS OR CONFLICTS BETWEEN THE VARIOUS ELEMENTS OF THE DRAWING AND/OR SPECIFICATIONS BEFORE PRECEDING WITH RELATED WORK.
- 26. PROJECT COORDINATES: PROJECT COORDINATES ARE BASED ON THE UTAH STATE PLANE COORDINATE SYSTEM 1983 UTAH CENTRAL ZONE, NAD83, US SURVEY FEET AND WERE ESTABLISHED USING THE STATE OF UTAH (TURN) GPS VRS NETWORK. THE AVERAGE CSF FOR THIS PROJECT IS 0.999708 OR 1.000292 FOR CONVERTING TO GROUND DISTANCES. ELEVATIONS ARE NAVD88 US SURVEY FEET.

SURVEY CONTROL									
NO.	NORTHING	EASTING	EL	DESCRIPTION					
4	7392966.24	1523164.18	4290.34	SET MAG NAIL					
120	7393171.61	1523204.50	4289.82	SET MAG NAIL					

- 27. <u>FUGITIVE DUST CONTROL</u>: CONTRACTOR SHALL SUBMIT A FUGITIVE DUST CONTROL PLAN TO ALL ENTITIES HAVING JURISDICTION AND TO THE OWNER FOR APPROVAL PRIOR TO BEGINNING CONSTRUCTION.
- 28. MATERIAL CONDITION: INSTALL ALL MATERIALS ACCORDING TO MANUFACTURER'S RECOMMENDATIONS AND STATE AND LOCAL REQUIREMENTS. USE ONLY NEW AND UNUSED MATERIALS. ALL MATERIALS SHALL BE PROVIDED BY MANUFACTURERS REGULARLY ENGAGED IN PRODUCING SAID ITEMS, AND WHICH SHALL BE FIRST QUALITY, HEAVY DUTY, COMMERCIAL/INDUSTRIAL GRADE, SUITABLE FOR THE INTENDED USE.
- 29. <u>OFF-ROAD MANHOLE MARKERS</u>: CONTRACTOR SHALL PROTECT ALL EXISTING OFF-ROAD MANHOLE MARKERS AND RESTORE IF DISTURBED PER THE SPECIFICATIONS.
- 30. <u>TREES:</u> THE CONSTRUCTION AREA MAY CONTAIN SOME LARGE TREES THAT MAY AFFECT CONSTRUCTION ACTIVITIES. CONTRACTOR SHALL PRESERVE AND PROTECT TREES AND COORDINATE WITH CITY FORESTER.
- 31. <u>OVERHEAD POWER LINES:</u> CONTRACTOR SHALL COMPLY WITH SAFETY REQUIREMENTS FOR OPERATING CONSTRUCTION EQUIPMENT AND CONSTRUCTION ACTIVITIES BENEATH HIGH VOLTAGE POWER LINES.
- 32. <u>NEW PIPE PROTECTION:</u> CONTRACTOR SHALL IMPLEMENT MEASURES DURING CONSTRUCTION THAT WILL PREVENT RUNOFF, DEBRIS, AND SEDIMENT FROM ENTERING UNFINISHED PORTIONS OF THE NEW PIPE DURING CONSTRUCTION.
- 33. TRENCH SHORING: CONTRACTOR IS SOLELY RESPONSIBLE FOR CONFORMANCE WITH LOCAL AND FEDERAL CODES GOVERNING SHORING AND BRACING OF EXCAVATIONS AND TRENCHES. CONTRACTOR IS RESPONSIBLE FOR THE SAFETY OF THE PUBLIC AND PROTECTION OF PERSONNEL AND WORKERS. TRENCH SUPPORTS AND DEWATERING SHALL BE RESPONSIBILITY OF THE CONTRACTOR.
- 34. PIPE SLOPES AND LENGTHS: UNLESS OTHERWISE SHOWN, PIPE SLOPE AND DISTANCES SHOWN IN PROFILES ARE FROM INSIDE EDGE OF MANHOLE TO INSIDE EDGE OF MANHOLE CONTRACTOR SHALL EXTEND PIPE INTO MANHOLE AS REQUIRED PER MANHOLE MANUFACTURER'S REQUIREMENTS. CONTRACTOR IS RESPONSIBLE FOR DETERMINING ACTUAL PIPE LENGTH QUANTITIES.
- 35. TRAIL DETOUR PLAN: THE JORDAN RIVER TRAIL SHALL REMAIN OPEN AT ALL TIMES DURING CONSTRUCTION. IF THE TRAIL CANNOT BE KEPT OPEN FOR ANY REASON THEN THE CONTRACTOR SHALL PREPARE AND SUBMIT A JORDAN RIVER PARKWAY TRAIL DETOUR PLAN (INCLUDING SIGNAGE) TO WEST JORDAN CITY ENGINEERING DIVISION FOR REVIEW AND APPROVAL 3 WEEKS PRIOR TO BEGINNING CONSTRUCTION.
- 36. <u>SITE SECURITY:</u> CONTRACTOR IS RESPONSIBLE FOR THE SECURITY OF THE PROJECT SITE. SEE SECTION 01 35 53— SECURITY FOR MORE INFORMATION.

BOWEN COLLIN

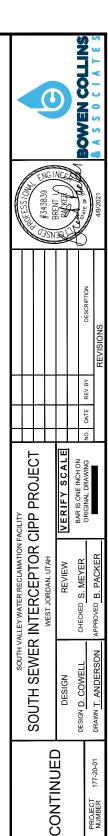


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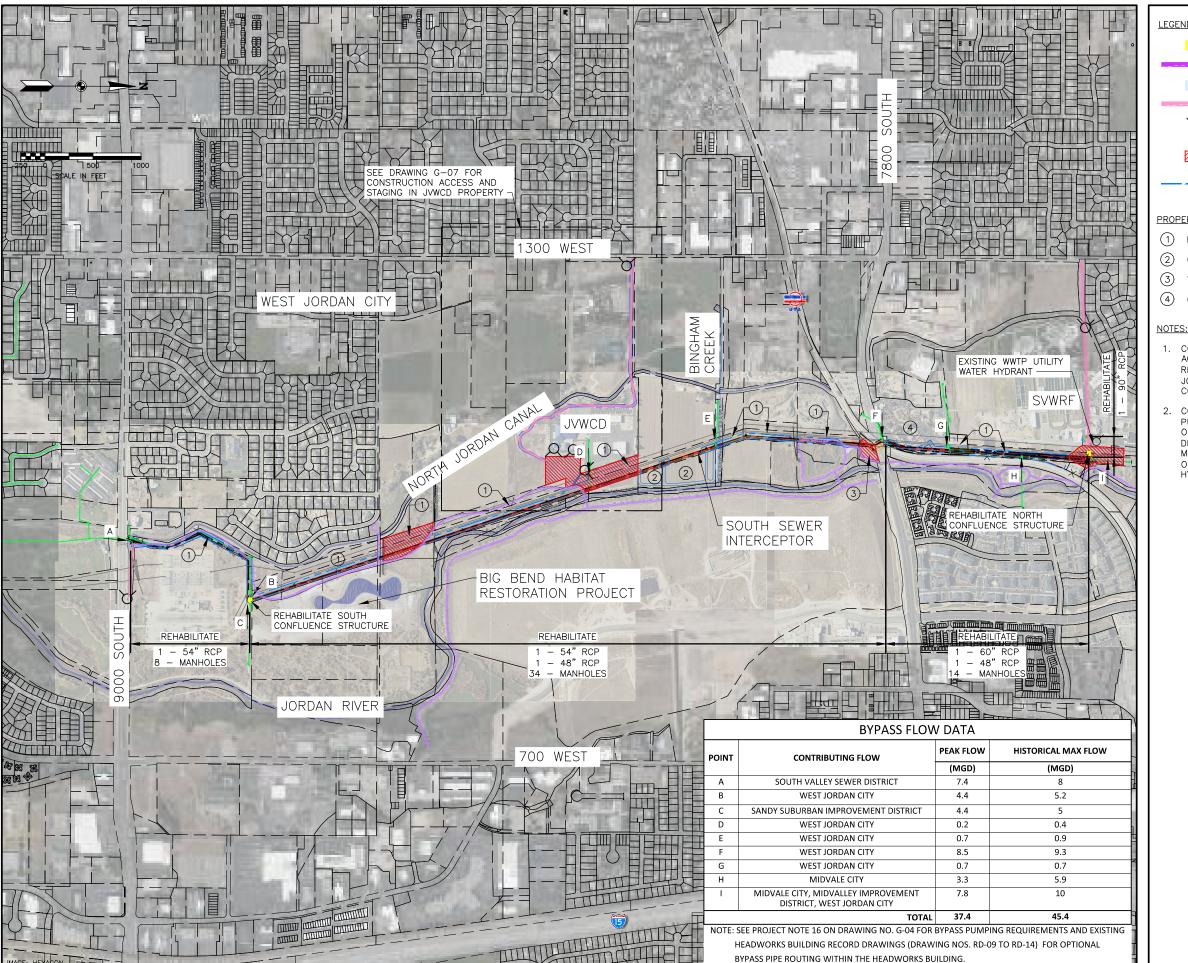
PROJECT NOTES CONTINUED:

- 37. EROSION CONTROL PLAN:
- A. THE CONTRACTOR SHALL BE RESPONSIBLE TO PREPARE, PROVIDE, AND INCLUDE AN EROSION AND SEDIMENTATION CONTROL PLAN IN THE SWPPP (SEE PROJECT NOTE 9 ON DRAWING NO. G-04) MEETING THE FOLLOWING MINIMUM REQUIREMENTS:
- 1) MEASURES THAT MAY BE NECESSARY TO PREVENT SEDIMENTATION FROM BEING TRANSPORTED OFF THE PROJECT SITE ONTO ADJACENT PROPERTIES.
- 2) IT IS THE CONTRACTORS ULTIMATE RESPONSIBILITY TO PROVIDE EROSION CONTROL MEETING THE REQUIREMENTS OF THE ENTITY HAVING JURISDICTION.
- 3) THE CONTRACTOR SHALL BE RESPONSIBLE FOR PROTECTING ADJACENT IMPROVEMENTS FROM DAMAGE.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR CLEANING ADJACENT STREETS AND PROPERTIES AFFECTED BY CONSTRUCTION.
- 5) ALL CONSTRUCTION PERIOD BEST MANAGEMENT PRACTICES ARE TO BE INSPECTED AND MAINTAINED AT LEAST WEEKLY, ALSO BEFORE AND AFTER EACH STORM EVENT.
- 6) CONTRACTOR SHALL BE REQUIRED TO KEEP A RECORD OF ALL INSPECTIONS AND MAINTENANCE ON SITE WITH THE STORM WATER POLLUTION PREVENTION PLAN.
- 7) STRAW WATTLE AND SILT FENCING SHALL GENERALLY BE PLACED AT ALL LOCATIONS WHERE EXISTING AND DISTURBED GRADES COULD DIRECT STORMWATER RUNOFF TOWARDS ADJACENT PROPERTIES TO THE PROJECT SITE, WETLANDS, WATER COURSES, SPRINGS, CREEKS, DITCHES OR RIVERS. SILT FENCING SHALL BE PLACED AND MAINTAINED BETWEEN ALL DISTURBED AREAS AND WETLANDS, WATER COURSES, SPRINGS, DITCHES, RIVERS, CREEKS, ETC. INSTALL AND MAINTAIN SILT FENCING AT AND AROUND LOCATIONS ADJACENT TO WETLANDS, WHERE SEWER BYPASS PUMPING EQUIPMENT ENTER AND CROSS WETLANDS, AND WHERE RUNOFF COULD POTENTIALLY ENTER THOSE WETLANDS. INCLUDE ENTIRETY OF ACCESS ROADS IN SWPPP.
- 8) STABILIZED CONSTRUCTION ENTRANCES SHALL BE CONSTRUCTED AND MAINTAINED AT LOCATIONS DETERMINED BETWEEN THE CONTRACTOR AND THE ENTITY HAVING JURISDICTION. MUD, NATURAL SOILS, DIRT, ETC., SHALL NOT BE TRACKED ONTO ANY LOCAL AND ADJACENT STREETS AND TRAILS. CONTRACTOR SHALL BE RESPONSIBLE TO REMOVE ANY SUCH MATERIALS TRACKED ONTO THESE ROADS AND TRAILS.
- 9) ALL ON-GRADE AND DRAINAGE INLETS LOCATED WITHIN THE PROJECT AREA SHALL BE PROTECTED FROM DEBRIS, MUD, SOILS, ETC. PER DETAILS C AND/OR C.



PROJECT NOTES CO

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PROPERTY OWNERS WITHIN EASEMENT:

- (1) ROCKY MOUNTAIN POWER
- 2 GREG MARK
- 3 WEST JORDAN CITY
- (4) GARDNER VILLAGE

- 1. CONTRACTOR SHALL COORDINATE STAGING, ACCESS ROUTES, STORAGE, AND PROPERTY RESTORATION WITH PROPERTY OWNERS (I.E. WEST JORDAN CITY) PRIOR TO BEGINNING CONSTRUCTION.
- 2. CONTRACTOR SHALL CONTACT WEST JORDAN CITY PUBLIC WORKS DEPARTMENT AT (801) 569-5070 OR JORDAN VALLEY WATER CONSERVANCY DISTRICT AT (801) 565-4326 TO OBTAIN A
 METER PRIOR TO OBTAINING WATER FROM ANY OF THE CITY'S AND/OR DISTRICT'S FIRE HYDRANTS.



FACILITY

CIPP PROJECT

SOUTH VALLEY WATER RECLAMATION F	SOUTH SEWER INTERCEPTOR (WEST JORDAN, UTAH	REVIEW	CHECKED S. MEYER	APPROVED B. PACKER
N HINOS	SOUTH SEWER		DESIGN	DESIGN D. COWELL	DRAWN T. ANDERSON APPROVED B. PACKER
GENERAL		OVEDALL CONSTBLICTION	ACCESS AND BYPASS MAP		PROJECT 177-20-01 NUMBER 177-20-01
		VEDAL			DATE: APRIL 2021
) Ā		DATE:

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