

CONTRACT DOCUMENTS

For the construction of the

LOWER ROCKY CREEK WRF
42" & 24" GRAVITY SEWER
REHABILITATION



Prepared for the

MACON WATER AUTHORITY

VOLUME 2 OF 2
DRAWINGS

Jacobs

GA LIC # PEF000350 (EXP 6/30/2026)

Project No. EEXK1018
AUGUST 2025

100% DESIGN DOCUMENTS

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GENERAL NOTES

1.

ELEVATIONS ON ALL PLAN SHEETS ARE BASED ON 2019-2020 UNITED STATES GEOLOGICAL SURVEY (USGS) LIDAR: CENTRAL GEORGIA, REFER TO NORTH AMERICAN VERTICAL DATUM OF 1988 (NAVD 88), HORIZONTAL NORTH AMERICAN DATUM OF 1983 (NAD 83), AND PROJECTED COORDINATE SYSTEM NAD 1983 (2011) STATEPLANE GEORGIA WEST (US FEET). CONTRACTOR TO VERIFY ALL ELEVATIONS. IMAGERY IS FROM THE ENVIRONMENTAL SYSTEMS RESEARCH INSTITUTE (ESRI) WORLD IMAGERY DATA SET.

2.

ALL CONSTRUCTION SHALL BE IN ACCORDANCE WITH THE CONTRACT DOCUMENTS.

3.

THE ENGINEER MAY DIRECT THE CONTRACTOR TO VARY THE PROPOSED WORK DURING CONSTRUCTION TO ADDRESS EXISTING CONDITIONS

4.

THE CONTRACTOR IS HEREBY ADVISED THAT ALL LOCATIONS OF EXISTING PIPES, CONDUITS, UTILITIES, FOUNDATIONS AND UTILITY HOUSE SERVICES ARE NOT WARRANTED TO BE CORRECT AND THE CONTRACTOR SHALL HAVE NO CLAIM ON THAT ACCOUNT SHOULD THEY BE OTHER THAN SHOWN. LOCATIONS OF EXISTING UTILITIES ARE SHOWN IN THEIR APPROXIMATE LOCATIONS AS REPRESENTED BY UTILITY DRAWINGS. THEREFORE, THEIR ACTUAL LOCATIONS MAY VARY. IT IS UNDERSTOOD AND AGREED THAT THE CONTRACTOR SHALL MAKE EXAMINATIONS IN THE FIELD BY VARIOUS AVAILABLE METHODS AND SHALL OBTAIN INFORMATION FROM UTILITY COMPANIES AND INDIVIDUALS AS TO THE LOCATION OF ALL SUB-SURFACE STRUCTURES. UNDER NO CIRCUMSTANCES SHALL THE CONTRACTOR EXCAVATE IN ANY AREA PRIOR TO UTILITY CLEARANCE BEING OBTAINED.

5.

"CALL BEFORE YOU DIG": CONTRACTOR SHALL CONTACT GEORGIA 811 AT LEAST THREE (3) BUSINESS DAYS PRIOR TO BEGINNING EXCAVATION TO ENSURE THAT ALL UNDERGROUND UTILITIES ARE PROPERLY MARKED.

6.

THE LOCATION, SIZE, AND MATERIAL OF EXISTING PIPES, DUCTS, CONDUITS AND OTHER UNDERGROUND STRUCTURES AND THE LOCATION OF PROPERTY LINES SHOWN ON THESE PLANS ARE NOT WARRANTED TO BE EXACT, NOR IS IT WARRANTED THAT ALL ARE SHOWN. EXACT LOCATIONS SHALL BE DETERMINED BY THE CONTRACTOR.

7.

STORM, SANITARY, WATER, GAS, TELEPHONE, CABLE, ELECTRICAL SERVICES, FIBER OPTIC COMMUNICATIONS, OVERHEAD UTILITIES AND OTHER UTILITY SERVICES TO BUILDINGS ARE NOT ALL SHOWN. UTILITY SERVICES TO BUILDINGS THAT ARE SHOWN ARE FOR INFORMATIONAL PURPOSES ONLY AND ARE NOT WARRANTED TO BE EXACT, NOR IS IT WARRANTED THAT ALL ARE SHOWN. EXACT LOCATIONS SHALL BE DETERMINED BY THE CONTRACTOR. THE CONTRACTOR SHALL ASSUME THAT EACH PROPERTY WILL HAVE SERVICE CONNECTIONS FOR THE VARIOUS UTILITIES. ALL SERVICES AND UTILITIES SHALL BE PROTECTED FROM DAMAGE AND SHALL BE RECONNECTED OR REPAIRED BY THE CONTRACTOR AT NO ADDITIONAL COST TO THE OWNER. THE CONTRACTOR SHALL PAY PARTICULAR ATTENTION TO SAFETY ISSUES RELATED TO ELECTRICAL FACILITIES, BOTH OVERHEAD AND UNDERGROUND.

8.

THE CONTRACTOR SHALL BE RESPONSIBLE FOR SUPPORT AND PROTECTION OF EXISTING UTILITIES AND STRUCTURES, AS WELL ANY REPAIR AND/OR REPLACEMENT COSTS OF UTILITIES DAMAGED DURING CONSTRUCTION WHETHER ABOVE OR BELOW GRADE.

9.

THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE COORDINATION OF ALL UTILITY RELOCATION WORK. CLAIMS FOR EXTRAS WILL NOT BE ALLOWED FOR DELAY OF WORK DUE TO UTILITY COMPANY COORDINATION OR UTILITY RELOCATION WORK

10.

THE CONTRACTOR SHALL NOTIFY THE OWNER AND THE ENGINEER OF ANY SUBSURFACE UTILITY OR OTHER PIPE NOT SHOWN ON THE DRAWINGS THAT IS ENCOUNTERED DURING CONSTRUCTION.

11.

THIS CONTRACT REQUIRES WORKING IN SEWER INFRASTRUCTURE. CONTRACTOR AND THEIR PERSONNEL SHALL FOLLOW ALL FEDERAL, STATE AND LOCAL REQUIREMENTS FOR SAFETY WHEN IN CONFINED SPACES. ALSO REFER TO RECOMMENDATIONS IN THE NATIONAL INSTITUTE FOR OCCUPATIONAL SAFETY AND HEALTH PUBLICATION NO. 80-106, "WORKING IN CONFINED SPACES".

12.

THE CONTRACTOR SHALL BE RESPONSIBLE FOR BYPASS PUMPING SYSTEM AND MAINTAINING EXISTING FLOWS IN EXISTING SANITARY SEWERS, SEWER SERVICE LATERALS, STORM DRAINAGE SYSTEMS, AND FOR OBTAINING ALL PERMITS.

13.

ALL DEWATERING SHALL BE DIRECTED TO COMBINED OR SANITARY SEWERS AT LOCATIONS AS APPROVED BY THE OWNER. DO NOT DISCHARGE GROUND WATER TO STORM DRAINS. ALL DEWATERING ACTIVITIES SHALL COMPLY WITH THE TECHNICAL SPECIFICATIONS AND LOCAL REGULATIONS. THE CONTRACTOR SHALL NOT COMMENCE DEWATERING DISCHARGE WITHOUT THE EXPRESS WRITTEN APPROVAL OF THE ENGINEER OR OWNER, AS SPECIFIED.

14.

SILT SACKS SHALL BE PLACED AROUND ALL CATCH BASINS SUBJECT TO RUNOFF FROM CONSTRUCTION AREAS.

15.

AT CONNECTION BETWEEN EXISTING AND NEW PIPES, SLEEVES, NIPPLES AND ACCESSORIES NECESSARY FOR MAKING CONNECTIONS MAY NOT BE SHOWN IN THE DETAILS. THE CONTRACTOR SHALL FURNISH AND INSTALL ALL ITEMS AS NECESSARY FOR CONNECTING TO EXISTING PIPES AND AS INDICATED IN THE SPECIFICATIONS.

16.

COSTS ASSOCIATED WITH REMOVAL & REPLACEMENT OF MANHOLE FRAME AND COVER, GRADE RINGS WHEN REQUIRED, INCLUDING RESTORATION, ARE THE SOLE RESPONSIBILITY OF THE CONTRACTOR

17.

THE CONTRACTOR IS RESPONSIBLE FOR ALL ACCESS REQUIRED ON THE PROJECT.

18.

ALL SPECIFICATIONS, DRAWINGS, AND DETAILS INCLUDED IN THE CONTRACT DOCUMENTS SHALL FULLY APPLY TO THE WORK WHETHER SPECIFICALLY REFERENCED OR NOT.

19.

THE CONTRACTOR SHALL BE RESPONSIBLE FOR MEETING ALL STATE, LOCAL AND GDOT REQUIREMENTS FOR ALL TRAFFIC CONTROL ACTIVITIES. NO ADDITIONAL PAYMENT WILL BE MADE FOR THESE ACTIVITIES. COSTS ASSOCIATED WITH TRAFFIC CONTROL SHALL BE CONSIDERED INCIDENTAL TO OTHER BID ITEMS. CONTRACTOR SHALL BE RESPONSIBLE FOR ALL TRAFFIC CONTROL PERMITS AND ANY APPLICABLE WORK ZONE PERMIT REQUIREMENTS PER MACON WATER AUTHORITY (MWA) OR SURROUNDING AUTHORITIES.

20.

CONTRACTOR IS RESPONSIBLE FOR LOCATING ALL MANHOLES AND SEWER LINES.

21.

CONTRACTOR IS RESPONSIBLE TO PROVIDE AND MAINTAIN ADEQUATE DEWATERING AND GROUNDWATER CONTROL.

22.

CONTRACTOR SHALL COORDINATE WITH MWA FOR ACCESS TO HYDRANTS FOR POTABLE WATER. CONTRACTOR IS RESPONSIBLE FOR COMPLYING WITH ALL REQUIREMENTS AND PAYING FOR ALL FEES AND COST OF USAGE.

23.

CONTRACTOR SHALL COMPLY WITH OWNER'S CURRENT GROUNDWATER SAFETY PROGRAM.

24.

PRIOR TO BEGINNING WORK, CONTRACTOR SHALL VERIFY ALL DIMENSIONS.

25.

CONTRACTOR IS RESPONSIBLE FOR OBTAINING WRITTEN AGREEMENTS FROM LAND OWNERS OF PROPERTY THAT WILL BE USED FOR EQUIPMENT OR MATERIAL STORAGE AND STAGING. PROVIDE THE OWNER WITH A COPY OF THESE WRITTEN AGREEMENTS.

26.

CONTRACTOR SHALL COMPLY WITH ALL REQUIREMENTS DESCRIBED IN THE PERMITS CONTAINED IN THE SPECIFICATIONS.

GENERAL NOTES

27.

CONTRACTOR IS RESPONSIBLE FOR OBTAINING ALL TEMPORARY CONSTRUCTION EASEMENTS AS REQUIRED FOR THE PROJECT WORK.

28.

IF AN UNDOCUMENTED STREAM OR OTHER WATER FEATURE IS ENCOUNTERED DURING PROJECT CONSTRUCTION, THE CONTRACTOR SHALL USE ANY APPLICABLE BMP.

29.

CONTRACTOR SHALL LOCATE AND INSPECT MANHOLES PRIOR TO REHABILITATION. ENGINEER SHALL BE NOTIFIED OF ANY DROP MANHOLES PRIOR TO CONTRACTOR ORDERING MATERIALS.

30.

CONTRACTOR IS RESPONSIBLE TO CONTROL STYRENE ODORS IN ACCORDANCE WITH NIOSH AND NOSH REGULATIONS DURING CURED-IN-PLACE PIPE INSTALLATION. SEE SPECIFICATION 33 01 30.70 FOR SPECIFIC ODOR CONTROL AND AIR QUALITY CONTROL MEASURES.

31.

THE CONTRACTOR SHALL HOLD MWA HARMLESS FOR ANY THIRD-PARTY INCONVENIENCE CREATED BY WORK OF HIS OWN FORCES OR THAT OF HIS AGENTS. ANY DAMAGES INCURRED SHALL BE THE CONTRACTOR'S FINANCIAL RESPONSIBILITY.

32.

ANY POINT REPAIRS SHALL BE COMPLETED PRIOR TO INSTALLATION OF CURED-IN-PLACE PIPE LINING.

33.

ALL EXISTING SEWER SERVICE LATERALS ARE TO BE REINSTATED AFTER MAINLINE REHABILITATION UNLESS CONFIRMED BY OWNER TO BE ABANDONED.

34.

CONTRACTOR SHALL BE RESPONSIBLE FOR FIELD VERIFYING ALL EXISTING LATERAL LOCATIONS PRIOR TO INSTALLATION OF CURED-IN-PLACE PIPE LINING.

35.

LINING OF LATERALS IS NOT INCLUDED IN THIS CONTRACT. LATERALS DAMAGED BY CONTRACTOR DURING THE LATERAL RECONNECTION PROCESS SHALL BE REPAIRED AT NO ADDITIONAL COST TO THE OWNER. DETERMINATION SHALL BE MADE BY ENGINEER UPON REVIEW OF POST-INSTALLATION CCTV INSPECTION IF THE LATERAL IS DAMAGED.

36.

PRE AND POST CCTV INSPECTION IS REQUIRED FOR ALL SANITARY SEWERS RECEIVING POINT REPAIRS OR CIPP LINING.

37.

CONTRACTOR SHALL COORDINATE WITH MWA PLANT STAFF ON FLOW DISRUPTIONS, DISCHARGES, AND ANY OTHER WORK THAT MAY AFFECT PLANT OPERATIONS.

38.

BYPASS PUMPS SHALL BE CAPABLE OF PASSING SOLIDS AND OTHER MATERIALS TYPICALLY FOUND IN WASTEWATER FLOWS.

39.

THE REQUIRED DISTANCE OF PUMPING AND ELEVATION HEAD IS THE RESPONSIBILITY OF THE CONTRACTOR AND SHALL BE SUFFICIENT TO ALLOW THE WORK TO BE COMPLETD FOR EACH SEWER MAIN TO BE LINED.

40.

BYPASS PUMPING HOSE SHALL BE LOCATED IN SUCH A MANNER THAT IT CAUSES THE LEAST DISRUPTION TO TRAFFIC AND DRIVEWAY ACCESS.

SURFACE RESTORATION GENERAL NOTES

1.

STONE WALLS, FENCES, MAIL BOXES, SIGNS, CURBING, SIDEWALKS, SIDEWALK RAMPS, STAIRS, WALKWAYS, LIGHT POLES, ETC. SHALL BE SUPPORTED OR REMOVED AND REPLACED AS NECESSARY TO PERFORM THE WORK. UNLESS OTHERWISE INDICATED, ALL SUCH WORK SHALL BE INCIDENTAL TO CONSTRUCTION OF THE PROJECT, AT NO ADDITIONAL COST TO THE OWNER.

2.

COORDINATE THE ADJUSTMENT OF ALL EXISTING UTILITIES WITH EACH RESPONSIBLE OWNER PRIOR TO RECONSTRUCTION AND/OR PAVING OPERATIONS. ALL STRUCTURES SHALL BE RAISED TO FINISH GRADES PRIOR TO THE END OF THE CONSTRUCTION SEASON AND PRIOR TO FINISHING PAVING, AS DIRECTED BY THE ENGINEER.

3.

ALL PAVEMENT DISTURBED OR DAMAGED BY THE CONTRACTOR'S OPERATIONS SHALL BE REPLACED MATCHING EXISTING DEPTHS AND IN ACCORDANCE WITH THE SPECIFICATIONS AND PER CT DOT GUIDELINES.

4.

TRAFFIC LOOP DETECTORS SHALL NOT BE REMOVED OR DAMAGED WITHOUT APPROVAL OF THE OWNER. IF EXISTING MAGNETIC OR TRAFFIC LOOP DETECTORS ARE DAMAGED IN THE COURSE OF EXCAVATION, THE OWNER SHALL BE NOTIFIED. ANY DAMAGED TRAFFIC LOOP DETECTORS SHALL BE REPLACED AT NO ADDITIONAL COST TO THE OWNER.

5.

CONTRACTOR WILL MAINTAIN AND/OR PROVIDE OSHA SAFE PEDESTRIAN WALKWAYS IN ALL DISTURBED AREAS DURING CONSTRUCTION. PEDESTRIAN TRAFFIC SHALL BE ACCOMMODATED WHERE A SIDEWALK IS TO BE CLOSED FOR SAFETY.

6.

THE CONTRACTOR SHALL TRANSFER ALL TEMPORARY BENCHMARKS AS NECESSARY.

7.

SIDEWALK AND RAMP RESTORATION TO INCLUDE RESTORATION BACK TO EXISTING CONDITIONS PRIOR TO CONSTRUCTION WITH RESPECT TO DEPTH, WIDTH AND MATERIALS. TRENCH BACKFILL UNDER ROADWAYS AND WALKWAYS SHALL BE BASED ON THE STANDARD SPECIFICATIONS AND PER GDOT GUIDELINES

8.

THE CONTRACTOR SHALL REMOVE AND DISPOSE OF ALL WASTE MATERIALS NECESSARY FOR THE SATISFACTORY COMPLETION OF THE WORK AND AS REQUIRED BY THE OWNER. CONSTRUCTION DEBRIS SHALL BE DISPOSED OF IN STRICT ACCORDANCE WITH ALL APPLICABLE LOCAL, STATE, AND FEDERAL LAWS.

9.

ALL AREAS DISTURBED BY THE CONTRACTOR BEYOND PAYMENT LIMITS SHALL BE RESTORED TO ORIGINAL CONDITIONS AT NO COST TO THE OWNER, UNLESS OTHERWISE APPROVED BY THE OWNER.

EROSION AND SEDIMENTATION CONTROL NOTES

1.

CONTRACTOR SHALL BE RESPONSIBLE FOR IMPLEMENTING AND MAINTAINING EROSION CONTROL DEVICES DURING CONSTRUCTION PER THE CONTRACT SPECIFICATIONS AND STANDARD DETAILS.

2.

EROSION CONTROL DEVICES SHALL BE INSTALLED TO THE SATISFACTION OF THE ENGINEER OR THE MWA PROJECT REPRESENTATIVE.

DRAWINGS LIST

SHEET NUMBER	PAGE NUMBER	SHEET TITLE
C-000	1	COVER SHEET
C-001	2	SYMBOLS, ABBREVIATIONS, AND NOTES
C-002	3	KEY MAP
C-201	4	ROCKY CREEK 0+00 TO 27+50
C-202	5	ROCKY CREEK 27+50 TO 54+50
C-203	6	ROCKY CREEK 54+50 TO 81+50
C-204	7	ROCKY CREEK 81+50 TO 108+50
C-205	8	ROCKY CREEK 108+50 TO 135+50
C-206	9	ROCKY CREEK 135+50 TO 162+50
C-207	10	ROCKY CREEK 162+50 TO 181+14
C-211	11	EDNA PLACE 200+00 TO 204+13
C-212	12	EDNA PLACE 300+00 TO 310+50
C-213	13	EDNA PLACE 310+50 TO 320+50
C-214	14	EDNA PLACE 320+50 TO 325+07
C-221	15	SHURLING DRIVE 400+00 TO 403+07
C-501	16	MANHOLE SCHEDULE
C-502	17	PIPE SCHEDULE
C-503	18	STANDARD DETAILS
C-504	19	STANDARD DETAILS

SANITARY SEWER LEGEND & ABBREVIATIONS

— — —

PROPERTY LINE

— — — — —

SANITARY SEWER RIGHT OF WAY

— — — — —

SANITARY SEWER (CIPP REHAB)

— — — — —

SANITARY SEWER

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MAJOR CONTOUR

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MINOR CONTOUR

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
MANHOLE RECEIVING WORK

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MANHOLE

 DV


DIVERSION VAULT

 CNL

CANNOT LOCATE

 CIPP

CURED IN PLACE PIPE

 WRF

WATER RECLAMATION FACILITY

10 10TH STREET, SUITE 1400
ATLANTA, GA 30309
GA LIC# PEF000350 (EXP 6/30/2026)

LOWER ROCKY CREEK WRF
42" & 24" GRAVITY
SEWER REHABILITATION

CIVIL
SYMBOLS, ABBREVIATIONS,
AND NOTES

VERIFY SCALE

BAR IS ONE INCH ON
ORIGINAL DRAWING.
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DATE

AUGUST 2025

PROJ

EEXK1018

DWG

05-C-001

SHEET

2 of 19

100% DESIGN DOCUMENTS

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FILENAME: 05-C-001_EEXK1018

PLOT DATE: 2025-08-08

PLOT TIME: 7:55:08 AM

