

JOINT
PUBLIC NOTICE

CHARLESTON DISTRICT, CORPS OF ENGINEERS
750 Executive Center Drive, Suite 103
Greenville, South Carolina 29615

And

THE S.C. DEPARTMENT OF HEALTH AND ENVIRONMENTAL CONTROL
Water Quality Certification and Wetlands Section
2600 Bull Street
Columbia, South Carolina 29201

REGULATORY DIVISION
Refer to: SAC-2024-00295

June 04, 2024

Pursuant to Section 10 of the Rivers and Harbors Act of 1899 (33 U.S.C. 403), Sections 401 and 404 of the Clean Water Act (33 U.S.C. 1344), an application has been submitted to the Department of the Army and the S.C. Department of Health and Environmental Control by

Applicant:
Tom Ponder
Pickens Regional Joint Water System
144 McDaniel Avenue
Pickens, South Carolina 29671

for an Individual Permit to install a water intake structure and pump in an area of Lake Keowee in order to provide water to the proposed PRJWS Water Treatment Plant to supply drinking water to communities within the Pickens Regional Joint Water System.

In order to give all interested parties an opportunity to express their views

NOTICE

is hereby given that written statements regarding the proposed work will be received by the **Corps** until

15 Days from the Date of this Notice,

and **SCDHEC** will receive written statements regarding the proposed work until

30 Days from the Date of this Notice

from those interested in the activity and whose interests may be affected by the

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proposed work.

NOTE: This public notice and associated plans are available on the Corps' website at: <http://www.sac.usace.army.mil/Missions/Regulatory/PublicNotices> .

Applicant's Stated Purpose

According to the applicant, the purpose of the proposed project is to construct and install a water intake structure and related appurtenances in Lake Keowee.

Project Description

The proposed work consists of the installation of water intake structures sitting above the lake bottom and inclined pump casing and submersible pump covered by riprap and stone from the lake bottom. The proposed work involves the placement of 107,723.51 cubic yards of rock, gravel, or stone to cover the pump casing and submersible pump. The proposed project will impact 0.28 acre of the bottom of Lake Keowee.

Avoidance and Minimization

The applicant has stated that the proposed project will minimize impacts to the aquatic environment by using a turbidity curtain around the work area within the lake to minimize the potential for suspended sediments to migrate from the construction area.

Proposed Compensatory Mitigation

The applicant has stated that due to the limited impacts to aquatic resources, mitigation is not proposed.

South Carolina Department of Health and Environmental Control

The District Engineer has concluded that the discharges associated with this project, both direct and indirect, should be reviewed by the certifying authority, South Carolina Department of Health and Environmental Control, in accordance with provisions of Section 401 of the Clean Water Act (CWA). The CWA Section 401 Certification Rule (Certification Rule, 40 CFR 121), effective September 11, 2020, requires certification, or waiver, for any license or permit that authorizes an activity that may result in a discharge. The scope of a CWA Section 401 Certification is limited to assuring that a discharge from a Federally licensed or permitted activity will comply with water quality requirements. The applicant is responsible for requesting certification and providing required information to the certifying authority. In accordance with Certification Rule part 121.12, the Corps will notify the U.S. Environmental Protection Agency Administrator when it has received a Department of the Army (DA) permit application and the related certification. The Administrator is responsible for determining if the discharge may affect water quality in a

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neighboring jurisdiction. The DA permit may not be issued pending the conclusion of the Administrator's determination of effects on neighboring jurisdictions.

This activity may also require evaluation for compliance with the S. C. Construction in Navigable Waters Permit Program. State review, permitting and certification is conducted by the S. C. Department of Health and Environmental Control. The District Engineer will not process this application to a conclusion until such certifications are received. The applicant is hereby advised that supplemental information may be required by the State to facilitate the review.

Endangered Species

Pursuant to the Section 7 of the Endangered Species Act of 1973 (as amended), the Corps has reviewed the project and based on the location of the project and available information, the following species may be present in the County(s) where the work will occur:

Northern Long-eared Bat (*Myotis septentrionalis*)
Tricolored Bat (*Perimyotis subflavus*)
Bog Turtle (*Glyptemys muhlenbergii*)
Smooth Coneflower (*Echinacea laevigata*)
Dwarf-flowered Heartleaf (*Hexastylis naniflora*)
Mountain Sweet Pitcher-plant (*Sarracenia rubra*)

Based on all information provided by the applicant and the most recently available information, the District Engineer has determined the following:

The project will have no effect on the following species and will not result in the destruction or adverse modification of designated or proposed critical habitat:

Northern Long-eared Bat (*Myotis septentrionalis*)
Tricolored Bat (*Perimyotis subflavus*)
Bog Turtle (*Glyptemys muhlenbergii*)
Smooth Coneflower (*Echinacea laevigata*)
Dwarf-flowered Heartleaf (*Hexastylis naniflora*)
Mountain Sweet Pitcher-plant (*Sarracenia rubra*)

This public notice serves as a request to the U.S. Fish and Wildlife Service (USFWS project code: 2024-0097433) and the National Marine Fisheries Service for any additional information they may have on whether any listed or proposed endangered or threatened species or designated or proposed critical habitat may be present in the area which would be affected by the activity.

Cultural Resources

Pursuant to Section 106 of the National Historic Preservation Act (NHPA), this public notice also constitutes a request to Indian Tribes to notify the District Engineer of any historic properties of religious and cultural significance to them that may be affected by the proposed undertaking.

In accordance with Section 106 of the NHPA, the District Engineer has consulted South Carolina ArchSite (GIS), for the presence or absence of historic properties (as defined in 36 C.F.R. 800.16)(1)(1)), and has initially determined that no historic properties are present; therefore, there will be no effect on historic properties. To ensure that other historic properties that the District Engineer is not aware of are not overlooked, this public notice also serves as a request to the State Historic Preservation Office and any other interested parties to provide any information they may have with regard to historic properties. This public notice serves as a request for concurrence within 30 days from the SHPO (and/or Tribal Historic Preservation Officer).

The District Engineer's final eligibility and effect determination will be based upon coordination with the SHPO and/or THPO, as appropriate and required and with full consideration given to the proposed undertaking's potential direct and indirect effects on historic properties within the Corps-identified permit area.

Corps' Evaluation

The decision whether to issue a permit will be based on an evaluation of the probable impact including cumulative impacts of the proposed activity on the public interest. The benefit which reasonably may be expected to accrue from the project must be balanced against its reasonably foreseeable detriments. All factors which may be relevant to the project will be considered including the cumulative effects thereof; among those are conservation, economics, aesthetics, general environmental concerns, wetlands, historic properties, fish and wildlife values, flood hazards, flood plain values, land use, navigation, shoreline erosion and accretion, recreation, water supply and conservation, water quality, energy needs, safety, food and fiber production and, in general, the needs and welfare of the people. A permit will be granted unless the District Engineer determines that it would be contrary to the public interest. In cases of conflicting property rights, the Corps cannot undertake to adjudicate rival claims.

Solicitation of Public Comment

The Corps is soliciting comments from the public; Federal, state, and local agencies and officials; Indian Tribes; and other interested parties in order to consider and evaluate the impacts of this activity. Any comments received will be considered by the Corps to determine whether to issue, modify, condition or deny a permit for this project. To make this decision, comments are used to assess impacts on endangered species, historic

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properties, water quality, general environmental effects, and the other public interest factors listed above. Comments are used in the preparation of an Environmental Assessment and/or an Environmental Impact Statement pursuant to the National Environmental Policy Act. Comments are also used to determine the need for a public hearing and to determine the overall public interest of the activity. Any person may request, in writing, within the comment period specified in this notice, that a public hearing be held to consider this application. Requests for a public hearing shall state, with particularity, the reasons for holding a public hearing.

Please submit comments in writing, identifying the project of interest by public notice/file number (SAC-2024-00295), to Travis.F.Scott@usace.army.mil or the following address:

**U.S. Army Corps of Engineers
ATTN: REGULATORY DIVISION
750 Executive Center Drive, Suite 103
Greenville, South Carolina 29615**

If there are any questions concerning this public notice, please contact Travis Scott, Project Manager, at 843-853-1869 or by email at Travis.F.Scott@usace.army.mil.

LOCATION IN SOUTH CAROLINA



NORTH



Scale = 1" = 5,000'

REF. SHEET: BING STREET MAP
DESCRIPTION: PRE-CONSTRUCTIN NOTIFICATION

PROPOSED WTP AND INTAKE SITE
PICKENS COUNTY, SOUTH CAROLINA

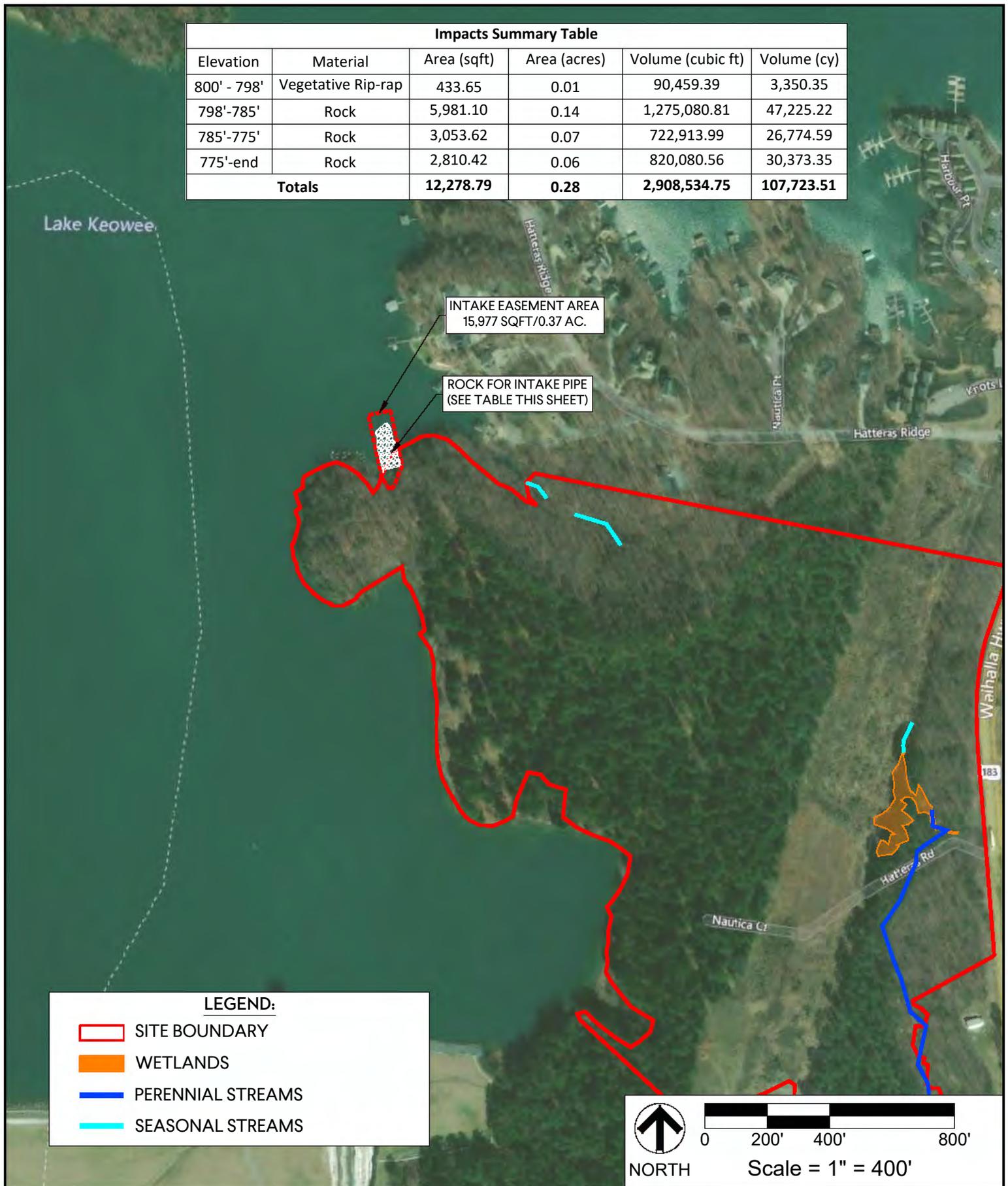
FIGURE 1

GENERAL LOCATION MAP
GMC # EGRE220003
DATE: 02/29/2024
DRAWN BY: GLB

117 Welborn Street
Greenville, SC 29601
T 864.527.0460
GMCNETWORK.COM



| Impacts Summary Table | | | | | |
|-----------------------|--------------------|------------------|--------------|---------------------|-------------------|
| Elevation | Material | Area (sqft) | Area (acres) | Volume (cubic ft) | Volume (cy) |
| 800' - 798' | Vegetative Rip-rap | 433.65 | 0.01 | 90,459.39 | 3,350.35 |
| 798'-785' | Rock | 5,981.10 | 0.14 | 1,275,080.81 | 47,225.22 |
| 785'-775' | Rock | 3,053.62 | 0.07 | 722,913.99 | 26,774.59 |
| 775'-end | Rock | 2,810.42 | 0.06 | 820,080.56 | 30,373.35 |
| Totals | | 12,278.79 | 0.28 | 2,908,534.75 | 107,723.51 |



LEGEND:

- SITE BOUNDARY
- WETLANDS
- PERENNIAL STREAMS
- SEASONAL STREAMS

NORTH Scale = 1" = 400'

REF. SHEET: BING AERIAL PHOTOGRAPH
 DESCRIPTION: PRE-CONSTRUCTIN NOTIFICATION

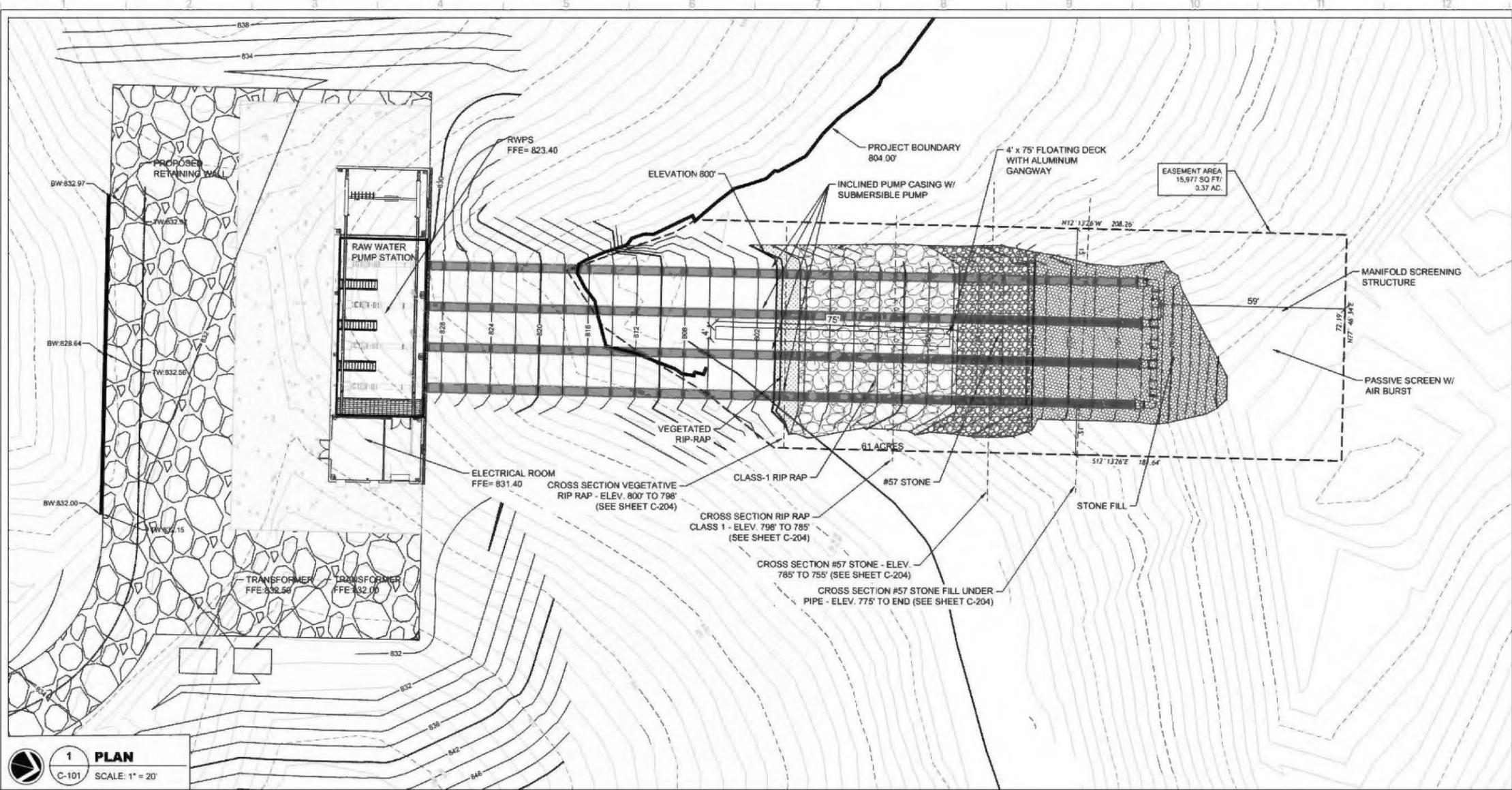
PROPOSED WTP AND INTAKE SITE
 PICKENS COUNTY, SOUTH CAROLINA

FIGURE 3

IMPACTS MAP
 GMC # EGRE220003
 DATE: 02/29/2024
 DRAWN BY: GLB

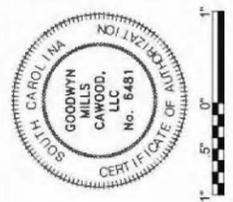
117 Welborn Street
 Greenville, SC 29601
 T 864.527.0460
 GMCNETWORK.COM





1 PLAN
C-101 SCALE: 1" = 20'

- NOTES:**
- PROJECT BOUNDARY ELEVATION = 804.00 PER EXHIBIT G, SHEET G-15 OF THE KEOWEE-TOXAWAY PROJECT NO. 2503 KEOWEE DEVELOPMENT SOUTH CAROLINA MAP OF PROPERTIES DUKE ENERGY CAROLINAS, LLC, DATE: JULY 2014.
 - EACH INTAKE ASSEMBLY CAPACITY SHALL BE RATED FOR THE FLOW INDICATED IN THE EASEMENT WITH DUKE ENERGY AT A MAXIMUM THROUGH-SLOT VELOCITY, AS A RESULT OF WATER WITHDRAWAL, OF 0.4 FEET PER SECOND. THE CORRESPONDING AVERAGE THROUGH-SLOT VELOCITY SHALL BE 90% OF THE MAXIMUM VELOCITY.
 - THE INTAKE ASSEMBLY SHALL BE DESIGNED TO WITHSTAND A DIFFERENTIAL HYDROSTATIC COLLAPSE PRESSURE OF 70 FEET OF WATER.
 - THE INTAKE SCREEN SURFACE WIRE SHALL BE VEE-WIRE AND OF 304 STAINLESS STEEL.
 - THE SCREEN SLOT SIZE SHALL BE 0.125 INCHES OR 0.3175 CENTIMETERS. THE OPEN AREA FOR THIS SLOT OPENING SHALL BE 63.78%.
 - DUKE ENERGY'S SHORELINE MANAGEMENT PLAN (SMP) REQUIRES THE INTAKE TO BE FULLY OPERATIONAL WITH THE RESERVOIR LEVEL DRAWN DOWN TO THE HYDRO STATION OPERATIONAL LIMIT (775 FT ABOVE MEAN SEA LEVEL (AMSL)).
 - THE INTAKE PIPE SHALL BE COVERED AS SHOWN TO THE HYDRO STATION OPERATIONAL LIMIT.



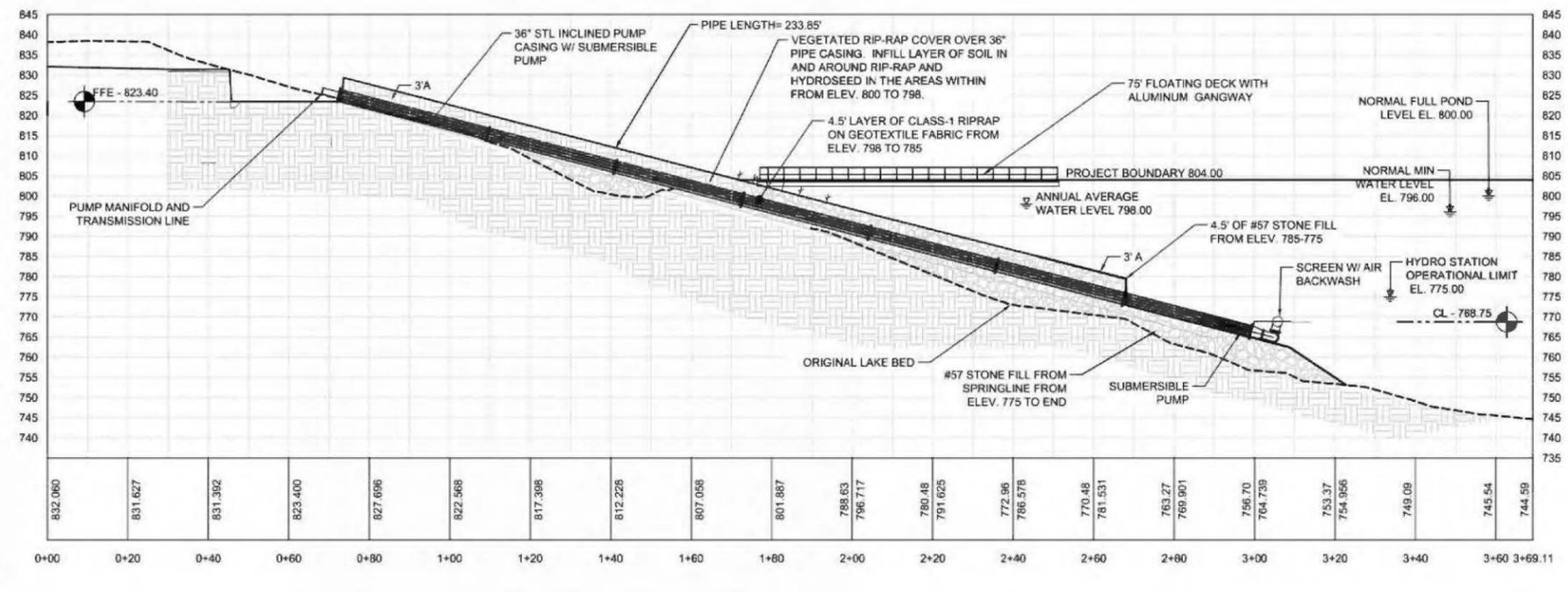
| | |
|---------------------|------------|
| ISSUE DATE | 12.12.2023 |
| 50% SUBMITTAL (WPB) | |
| 100% SUBMITTAL | |
| PROJECT MANAGER: | AH |
| ENGINEER: | TR |
| DESIGNER: | DH |
| DRAWN BY: | FN |

LAKE KEOWEE WTP & INTAKE
PICKENS REGIONAL JOINT WATER SYSTEM
Six Mile, South Carolina

GMC Project #CGR220014

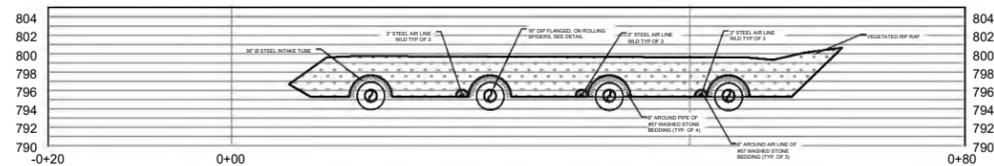
RAW WATER INTAKE - PLAN & PROFILE

C-103

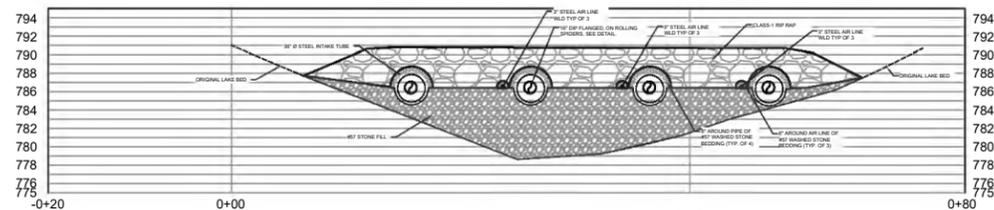


A PROFILE
C-104 SCALE: 1" = 20'

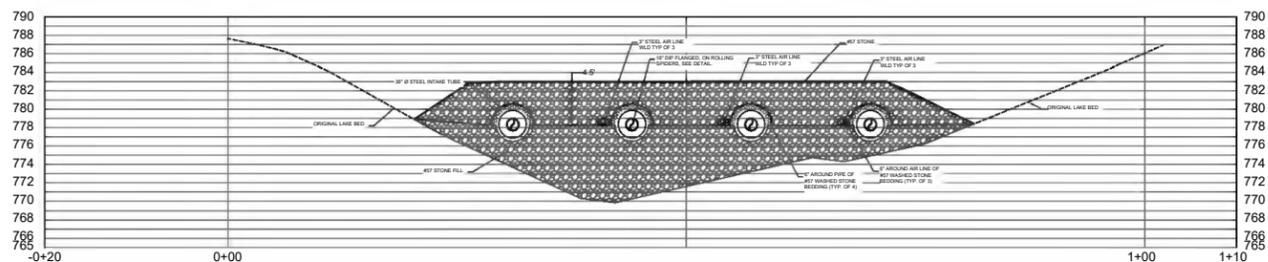
| STRUCTURE TABLE | | | |
|-----------------|---|--|---|
| STRUCTURE NAME: | DETAILS: | PIPES IN: | PIPES OUT: |
| ST-18 (1) | RIM = 833.95 SUMP = 829.2 INV OUT = 252.725 | | Pipe - (26) (1), 24" REINFORCED CONCRETE PIPE INV OUT =829.15 |
| ST-19 | RIM = 831.00 SUMP = 822.0 INV IN = 250.577 INV OUT = 250.545 | ST-18-ST-19, 24" REINFORCED CONCRETE PIPE INV IN =822.10 | ST-19-ST-20, 24" REINFORCED CONCRETE PIPE INV OUT =822.00 |
| ST-20 (1) | RIM = 830.85 SUMP = 828.6 INV IN = 252.559 | Pipe - (26) (1), 24" REINFORCED CONCRETE PIPE INV IN =828.60 | |
| ST-18 | RIM = 829.97 SUMP = 823.8 INV OUT = 251.103 | | ST-18-ST-19, 24" REINFORCED CONCRETE PIPE INV OUT =823.83 |
| ST-16 | RIM = 826.51 SUMP = 822.7 INV OUT = 250.753 | | Pipe - (26), 24" REINFORCED CONCRETE PIPE INV OUT =822.68 |
| ST-17 | RIM = 824.42 SUMP = 822.2 INV IN = 250.599 | Pipe - (26), 24" REINFORCED CONCRETE PIPE INV IN =822.17 | |
| ST-20 | RIM = 823.09 SUMP = 820.8 INV IN = 250.193 | ST-19-ST-20, 24" REINFORCED CONCRETE PIPE INV IN =820.84 | |
| ST-14 | RIM = 823.07 SUMP = 819.9 INV OUT = 249.915 | | ST-14-ST-15, 18" REINFORCED CONCRETE PIPE INV OUT =819.93 |
| ST-15 | RIM = 821.72 SUMP = ??? INV IN = 249.788 | ST-14-ST-15, 18" REINFORCED CONCRETE PIPE INV IN =819.51 | |
| ST-12 | RIM = 820.00 SUMP = 817.2 INV OUT = 249.071 | | ST-12-ST-13, 18" REINFORCED CONCRETE PIPE INV OUT =817.16 |
| ST-13 | RIM = 818.93 SUMP = ??? INV IN = 248.938 | ST-12-ST-13, 18" REINFORCED CONCRETE PIPE INV IN =816.72 | |
| ST-10 | RIM = 805.80 SUMP = 802.2 INV OUT = 244.517 | | ST-10-ST-11, 18" REINFORCED CONCRETE PIPE INV OUT =802.22 |
| ST-11 | RIM = 804.01 SUMP = ??? INV IN = 244.389 | ST-10-ST-11, 18" REINFORCED CONCRETE PIPE INV IN =801.80 | |
| ST-8 | RIM = 778.50 SUMP = 775.0 INV OUT = 236.211 | | ST-8-ST-9, 18" REINFORCED CONCRETE PIPE INV OUT =774.97 |
| ST-9 | RIM = 776.76 SUMP = ??? INV IN = 236.085 | ST-8-ST-9, 18" REINFORCED CONCRETE PIPE INV IN =774.55 | |
| ST-6 | RIM = 757.80 SUMP = 753.8 INV OUT = 229.759 | | ST-6-ST-7, 18" REINFORCED CONCRETE PIPE INV OUT =753.80 |
| ST-7 | RIM = 755.56 SUMP = ??? INV IN = 229.621 | ST-6-ST-7, 18" REINFORCED CONCRETE PIPE INV IN =753.35 | |
| ST-4 | RIM = 736.10 SUMP = 732.8 INV OUT = 223.367 | | ST-4-ST-5, 18" REINFORCED CONCRETE PIPE INV OUT =732.83 |
| ST-5 | RIM = 734.49 SUMP = ??? INV IN = 223.201 | ST-4-ST-5, 18" REINFORCED CONCRETE PIPE INV IN =732.28 | |
| ST-2 | RIM = 731.00 SUMP = 727.1 INV OUT = 221.614 | | ST-2-ST-3, 18" REINFORCED CONCRETE PIPE INV OUT =727.08 |
| ST-3 | RIM = 728.75 SUMP = ??? INV IN = 221.449 | ST-2-ST-3, 18" REINFORCED CONCRETE PIPE INV IN =726.54 | |
| ST-1 | RIM = 721.71 SUMP = 720.0 INV OUT = 219.456 | | ST-1 - ST-2, 18" REINFORCED CONCRETE PIPE INV OUT =720.00 |
| ST-2 | RIM = 721.24 SUMP = 719.2 INV IN = 219.227 | ST-1 - ST-2, 18" REINFORCED CONCRETE PIPE INV IN =719.25 | |



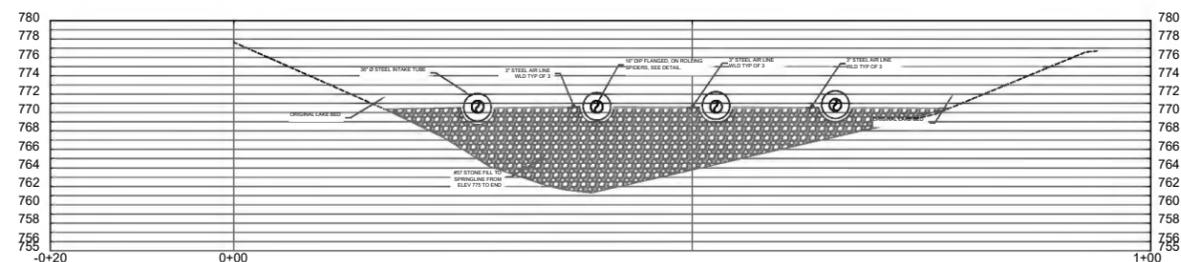
Cross Section Vegetative Rip Rap- Elev. 800' - 798'



Cross Section Class-1 Rip Rap - Elev. 798'-785'

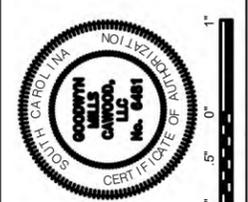


Cross Section #57 Stone - Elev. 785'-775'



#57 Stone Fill Under Pipe - Elev. 775'-End

| Elevation | Material | Area (Square ft) | Cross section Area (square ft) | Volume (Cubic ft) | Volume (Cubic Yard) |
|-------------|------------------------|------------------|--------------------------------|-------------------|---------------------|
| 800' - 798' | Vegetative RIP RAP | 433.65 | 208.6 | 90459.39 | 3350.35 |
| 798' - 785' | Class - 1 Rip Rap | 2990.55 | 197.9 | 591829.85 | 21919.62 |
| | #57 Stone (Under Pipe) | 2990.55 | 228.47 | 883250.96 | 25305.59 |
| 785' - 775' | #57 Stone (Above Pipe) | 1526.81 | 217.4 | 331928.49 | 12293.65 |
| | #57 Stone (Under Pipe) | 1526.81 | 256.08 | 390985.50 | 14480.94 |
| 775' - End | #57 Stone (Under Pipe) | 2810.42 | 291.8 | 820080.56 | 30373.35 |
| | Totals | 12278.79 | 1400.25 | 2908534.75 | 107723.51 |



| | |
|---------------------|------------|
| ISSUE DATE | 12.12.2023 |
| 50% SUBMITTAL (WPB) | |
| 100% SUBMITTAL | |
| PROJECT MANAGER: | AH |
| ENGINEER: | TR |
| DESIGNER: | DF |
| DRAWN BY: | FN |

LAKE KEOWEE WTP & INTAKE
PICKENS REGIONAL JOINT WATER SYSTEM
Six Mile, South Carolina

GMC Project #CGRE220014

STORM TABLE, INTAKE PROFILES
AND INTAKE CROSS SECTION

C-204