

REGIONAL REVIEW FINDING

Atlanta Regional Commission • 229 Peachtree Street NE | Suite 100 | Atlanta, Georgia 30303 • ph: 404.463.3100 fax: 404.463.3205 • atlantaregional.org

DATE: JANUARY 7, 2025

TO: CHAIRWOMAN ROMONA JACKSON JONES, Douglas County
ATTN TO: ALISON DUNCAN, PLANNING AND ZONING MANAGER, Douglas County
FROM: Anna Roach, Executive Director, Atlanta Regional Commission



ARC has completed a regional review of the following proposal and made the below finding. ARC reviewed the proposed project's relationship to regional plans, goals, and policies and impacts it might have on the activities, plans, goals, and policies of other local jurisdictions and state, federal, and other agencies.

Name of Proposal: RC-24-03DC Dog River Dam and Reservoir Construction
Submitting Local Government: Douglas County

Date Opened: December 2, 2024 **Date Closed:** January 7, 2025

FINDING: ARC staff have completed a review of a MRPA application for this project in the Chattahoochee River Corridor. ARC's finding is that the project is equivalent to a project consistent with the Chattahoochee River Corridor Plan.

Additional Comments: No comments were received.

THE FOLLOWING LOCAL GOVERNMENTS AND AGENCIES RECEIVED NOTICE OF THIS REVIEW:

ATLANTA REGIONAL COMMISSION
NATIONAL PARK SERVICE
CITY OF DOUGLASVILLE
COWETA COUNTY

GEORGIA DEPARTMENT OF NATURAL RESOURCE
GEORGIA CONSERVANCY
CITY OF CHATTAHOOCHEE HILLS

CHATTAHOOCHEE RIVERKEEPER
DOUGLAS COUNTY
CARROLL COUNTY

For questions, please contact Donald Shockey at (470) 378-1531 or dshockey@atlantaregional.org. This finding will be published to the ARC website at <https://atlantaregional.org/plan-reviews>.

ALLISON DUNCAN, AICP
Planning & Zoning Manager

PHIL SHAFER
Zoning Administrator

AUSTIN CRONAN
Planner



JOHANNAH WOMACK
*Clerk of the Planning &
Zoning Board*

KIMBERLY WATTERS
Department Secretary

DOUGLAS COUNTY BOARD OF COMMISSIONERS

PLANNING & ZONING DEPARTMENT
8700 Hospital Drive • Douglasville, GA 30134
Telephone (770) 920-7241 • Fax (678) 715-5366

October 28, 2024

Jim Santo
c/o Atlanta Regional Commission
229 Peachtree Street
Ste 100
Atlanta GA 30303

Dear Mr. Santo:

Douglas County is in receipt of an application for Metro River Review for the Douglasville-Douglas County Water and Sewer Authority Modification of the existing Dog River Reservoir Main & East Dam and construction of a new spillway. I believe that ARC and the Metro North Georgia Water Planning District are aware of this project, and it is reflected in the long-range plans of both agencies.

I am enclosing a completed application for review under the Metropolitan River Protection Act, as well as supporting documentation submitted by the Douglasville-Douglas County Water and Sewer Authority. As this review is submitted for a project undertaken by a public agency, it is exempt from fees. If you need any additional information at this time, please contact me at your convenience.

Sincerely,

Allison Duncan, AICP
Planning and Zoning Manager

Enclosure

APPLICATION FOR METROPOLITAN RIVER PROTECTION ACT CERTIFICATE

1. **Name of Local Government:** Douglas County, Georgia

2. **Owner(s) of Record of Property to be Reviewed:**
Name(s): Laura Richards, Preserve Life Corp., & Douglasville-Douglas County Water and Sewer Authority
Mailing Address: P.O. Box 1157
City: Douglasville **State:** Georgia **Zip:** 30133
Contact Phone Numbers (w/Area Code):
Daytime Phone: DDCWSA - (770)-949-7617 **Fax:** DDCWSA - (678)-631-1515
Other Numbers: _____

3. **Applicant(s) or Applicant's Agent(s):**
Name(s): Douglasville-Douglas County Water and Sewer Authority: Jason Warmouth
Mailing Address: P.O. Box 1157
City: Douglasville **State:** Georgia **Zip:** 30133
Contact Phone Numbers (w/Area Code):
Daytime Phone: (678)-689-8466 **Fax:** (678)-631-1515
Other Numbers: DDCWSA Office (770)-949-7617

4. **Proposed Land or Water Use:**
Name of Development: Dog River Reservoir - Second Raise of Dog River Dam
Description of Proposed Use: Modification of the existing Dog River Main and East Dam & construction of a new spillway to provide a reliable water supply for Douglas County through 2065.

5. **Property Description (Attach Legal Description and Vicinity Map):**
Land Lot(s), District, Section, County: Land Lots 15, 18, and 19, 3rd District, 5th Section, Douglas County
LATITUDE: 33 36 23.46"N **LONGITUDE:** 84 47 15.54"W
Subdivision, Lot, Block, Street and Address, Distance to Nearest Intersection: _____

Size of Development (Use as Applicable):
Acres: **Inside Corridor:** 100.34 Acres
Outside Corridor: 338.43 Acres
Total: 438.77 Acres
Lots: **Inside Corridor:** _____
Outside Corridor: _____
Total: _____
Units: **Inside Corridor:** _____
Outside Corridor: _____
Total: _____
Other Size Descriptor (i.e., Length and Width of Easement):
Inside Corridor: _____
Outside Corridor: _____
Total: _____

6. Related Chattahoochee Corridor Development:

A. Does the total development include additional land in the Chattahoochee Corridor that is not part of this application? NO

If "yes", describe the additional land and any development plans: _____

B. Has any part of the property in this application, or any right-of-way or easement bordering this land, previously received a certificate or any other Chattahoochee Corridor review approval? YES

If "yes", please identify the use(s), the review identification number(s), and the date(s) of the review(s): RC-06-03DC, April 5, 2006; RC-22-01DC, March 2022

7. How Will Sewage from this Development be Treated?

A. Septic tank None proposed

Note: For proposals with septic tanks, the application must include the appropriate local government health department approval for the selected site.

B. Public sewer system No connections proposed

8. Summary of Vulnerability Analysis of Proposed Land or Water Use:

Vulnerability Category	Total Acreage (or Sq. Footage)	Total Acreage (or Sq. Footage) Land Disturbance	Total Acreage (or Sq. Footage) Imperv. Surface	Percent Land Disturb. (Maximums Shown In Parentheses)	Percent Imperv. Surf. (Maximums Shown In Parentheses)
A	<u>1.44 AC</u>	<u>1.44 AC</u>	<u>0.41 AC</u>	(90) <u>100.00</u>	(75) <u>28.13</u>
B	<u>0.11 AC</u>	<u>0.11 AC</u>	<u>0</u>	(80) <u>100.00</u>	(60) <u>0</u>
C	<u>41.35 AC</u>	<u>41.35 AC</u>	<u>12.91 AC</u>	(70) <u>100.00</u>	(45) <u>31.22</u>
D	<u>25.05 AC</u>	<u>25.05 AC</u>	<u>4.15 AC</u>	(50) <u>100.00</u>	(30) <u>16.57</u>
E	<u>32.39 AC</u>	<u>31.09 AC</u>	<u>8.69 AC</u>	(30) <u>95.98</u>	(15) <u>27.95</u>
F	<u>0</u>	<u>0</u>	<u>0</u>	(10) <u>0</u>	(2) <u>0</u>
Total:	<u>100.34 AC</u>	<u>99.04 AC</u>	<u>26.16 AC</u>	N/A	N/A

This property has 100.34 acres in the Chattahoochee River Corridor, with land in the A, B, C, D and E vulnerability categories. The proposed project will modify the existing Dog River Dam to allow an increase in the height of the Dog River Water Supply Reservoir. The construction area is limited to the Douglasville-Douglas County Water and Sewer Authority property, as adjacent land is not available for purchase or use as an offset.

Part 1.B.9. of the Chattahoochee Corridor Plan, allows pre-existing legal, physical, biological or hydrological conditions that prevent achievement of consistency to be considered hardships, making properties affected by these conditions eligible for an equivalent consistency finding. ARC staff has determined that the limits on available additional land constitute a hardship under the Corridor Plan.

The proposed project was then determined to be equivalent a consistent project as provided for in Section 12-5-445(a)(1)(B) of the Metropolitan River Protection Act, using an average weighted runoff coefficient test. This test compares the proposed project to a fully consistent project developed at category maximums on the property (assuming no existing development). If the average weighted runoff coefficient is the same or lower than the consistent project coefficient, the proposal is considered to be equivalent to a consistent project. This project meets the test and, while not consistent with the Plan in all respects, is equivalent to a consistent project and can be built as proposed. The test and determination are described in the memo attached to this application

9. Is any of this Land within the 100-Year Floodplain of the Chattahoochee River? YES
If "yes", indicate the 100-year floodplain elevation: Varies between elevation 736.3 to 735.3
NOTE: The 100-year river floodplain is defined as the natural land surface below the one hundred- (100) year flood elevations shown in the Flood Profiles of the most recent floodplain study for the Chattahoochee River approved by the United States Federal Emergency Management Agency for each Corridor jurisdiction.
NOTE: All river 100-year floodplain is assigned to the "E" Category; its allowable allocations can be combined with those of other "E" land in the review. Also, 100-year floodplain cannot be reanalyzed and cannot accept transfers.
10. Is any of this land within the 500-year floodplain of the Chattahoochee River? YES
If "yes", indicate the 500-year flood plain elevation: Varies between elevation 739.2 to 739.8
NOTE: The 500-year floodplain is defined as the natural land surface below the five hundred- (500) year flood elevations shown in the Flood Profiles of the most recent floodplain study for the Chattahoochee River approved by the United States Federal Emergency Management Agency for each Corridor jurisdiction.
NOTE: Plan Standards include a 35-foot height limit above the pre-construction grade within the 500-year floodplain (includes the 100-year floodplain). Adherence to this standard must be noted on the submitted plans (see Part 2.B.(4) of the Chattahoochee Corridor Plan). *WATER SUPPLY RESERVOIR REM. EXEMPT FROM HEIGHT LIMIT PER PART 2.B.(4) OF PLAN - SWS 11/19/24*
11. The following is a checklist of information required to be attached as part of the application. Individual items may be combined.

FOR ALL APPLICATIONS:

- ☒ Description of land in the application and any additional land in the project (attach legal description or surveyed boundaries). ATTACHMENT #1, Map #6
- ☒ Name, address, and phone number(s) of owner(s) of record of the land in the application. (Space provided on this form)
- ☒ Written consent of all owners to this application. (Space provided on this form)
- ☒ Name, address, and phone number(s) of applicant or applicant's agent. (Space provided on this form)
- ☒ Description of proposed use(s). (Space provided on this form)
- ☒ Existing vegetation plan. ATTACHMENT #1, Map #3
- ☒ Proposed grading plan. ATTACHMENT #2, SHEETS 3, 4, AND 5
- ☒ Certified as-builts of all existing land disturbance and impervious surfaces. ATTACHMENT #3
- ☒ Approved erosion control plan. ATTACHMENT #4
- ☒ Detailed table of land-disturbing activities. (Both on this form and on the plans)

☒ Plat-level plan showing (as applicable): lot boundaries; any other sub-areas; all easements and rights-of-way; 100- and 500-year river floodplains; vulnerability category boundaries; topography; any other information that will clarify the review.
ATTACHMENT #2, SHEET 2

NA Documentation on adjustments, if any.

NA Cashier's check or money order (for application fee).

FOR SINGLE-STEP APPLICATIONS (NON-SUBDIVISION):

☒ Site plan. ATTACHMENT #2, SHEETS 3, 4, & 5

☒ Land-disturbance plan. ATTACHMENT #1 & #2. ALSO SHOWN ON EROSION CONTROL PLANS IN ATTACHMENT #4.

FOR TWO-STEP SINGLE-FAMILY SUBDIVISION APPLICATIONS ONLY:

 Concept plan.

 Lot-by-lot and non-lot allocation tables.

- ** 12. I (we), the undersigned, authorize and request review of this application for a certificate under the provisions of the Metropolitan River Protection Act: (use additional sheets as necessary)**

Note, the undersigned landowner of record consents to the MRPA review but is not certifying as to accuracy or completeness of the data in the MRPA Review application

Signature(s) of Owner(s) of Record Date

- ** 13. I (we), the undersigned, authorize and request review of this application for a certificate under the provisions of the Metropolitan River Protection Act:**

Signature(s) of Applicant(s) or Agent(s) Date

- ** 14. The governing authority of _____ requests review by the Atlanta Regional Commission of the above-described use under the Provisions of the Metropolitan River Protection Act.**

Signature of Chief Elected Official or Official's Designee Date

ATTACHMENT #2, SHEET 2

NA **Cashier's check or money order (for application fee).**

X Site plan. ATTACHMENT #2, SHEETS 3, 4, & 5

LAND DISTURBANCE LIMITS SHOWN ON ALL MAPS IN ATTACHMENTS #1 & #2.

X Land-disturbance plan. ALSO SHOWN ON EROSION CONTROL PLANS IN ATTACHMENT #4.

 Concept plan.

Lot-by-lot and non-lot allocation tables.

- Note, the undersigned landowner of record consents to the MPPA review but is not certifying as to accuracy or completeness of the data in the MPPA Review Application.

9/25/24

Date _____

-

Date _____

- Signature of Chief Elected Official or Official's Designee _____ Date _____

✓ Plat-level plan showing (as applicable): lot boundaries; any other sub-areas; all easements and rights-of-way; 100- and 500-year river floodplains; vulnerability category boundaries; topography; any other information that will clarify the review.
ATTACHMENT #2, SHEET 2

NA Documentation on adjustments, if any.

NA Cashier's check or money order (for application fee).

FOR SINGLE-STEP APPLICATIONS (NON-SUBDIVISION):

✓ Site plan. ATTACHMENT #2, SHEETS 3, 4, & 5

✓ Land-disturbance plan. LAND DISTURBANCE LIMITS SHOWN ON ALL MAPS IN ATTACHMENT #1 & #2. ALSO SHOWN ON EROSION CONTROL PLANS IN ATTACHMENT #4.

FOR TWO-STEP SINGLE-FAMILY SUBDIVISION APPLICATIONS ONLY:

 Concept plan.

 Lot-by-lot and non-lot allocation tables.

12. I (we), the undersigned, authorize and request review of this application for a certificate under the provisions of the Metropolitan River Protection Act: (use additional sheets as

necessary)

Note, the undersigned landowner of record consents to the MRPA review but is not certifying as to accuracy or completeness of the data in the MRPA Review application

Laura Richards

9/10/24

Signature(s) of Owner(s) of Record

Date

13. I (we), the undersigned, authorize and request review of this application for a certificate under the provisions of the Metropolitan River Protection Act:

Signature(s) of Applicant(s) or Agent(s)

Date

14. The governing authority of _____ requests review by the Atlanta Regional Commission of the above-described use under the Provisions of the Metropolitan River Protection Act.

Signature of Chief Elected Official or Official's Designee

Date

- ☒ Plat-level plan showing (as applicable): lot boundaries; any other sub-areas; all easements and rights-of-way; 100- and 500-year river floodplains; vulnerability category boundaries; topography; any other information that will clarify the review.
ATTACHMENT #2, SHEET 2

NA Documentation on adjustments, if any.

NA Cashier's check or money order (for application fee).


FOR SINGLE-STEP APPLICATIONS (NON-SUBDIVISION):

- ☒ Site plan. ATTACHMENT #2, SHEETS 3, 4, & 5
LAND DISTURBANCE LIMITS SHOWN ON ALL MAPS IN
☒ Land-disturbance plan. ATTACHMENT #1 & #2. ALSO SHOWN ON EROSION CONTROL
PLANS IN ATTACHMENT #4.


FOR TWO-STEP SINGLE-FAMILY SUBDIVISION APPLICATIONS ONLY:

- Concept plan.
 Lot-by-lot and non-lot allocation tables.


12. I (we), the undersigned, authorize and request review of this application for a certificate under the provisions of the Metropolitan River Protection Act: (use additional sheets as necessary)


GILBERT B. Shearouse
09/30/2024
Signature(s) of Owner(s) of Record Date

13. I (we), the undersigned, authorize and request review of this application for a certificate under the provisions of the Metropolitan River Protection Act:


Gilbert B. Shearouse
09/30/2024
Signature(s) of Applicant(s) or Agent(s) Date

14. The governing authority of Douglas County, GA requests review by the Atlanta Regional Commission of the above-described use under the Provisions of the Metropolitan River Protection Act.


10/28/24
Signature of Chief Elected Official or Official's Designee Date

Addendum to Application

Jim Santo, ARC

11/18/24

Dog River Reservoir Expansion Equivalency Explanation and Calculations

The proposed project property in question has a total area of 338.43 acres, with 100.34 acres in the Chattahoochee River Corridor. The Corridor portion of the property has land in the A, B, C, D and E vulnerability categories. The proposed project area is limited to the land owned by the Douglasville-Douglas County Water and Sewer Authority DDCWSA) with the main work area abutting the edge of the Corridor. The adjacent land in the Corridor is privately owned and is not available for purchase or for use as an offset to the project. Land outside the Corridor or not adjacent to the proposed project property cannot be used to offset the proposed development under MRPA and the Corridor Plan. As a result, the land disturbance required for this project exceeds the maximums allowed in all categories on the property, making the project inconsistent with the Corridor Plan.

Under the Chattahoochee Corridor Plan, pre-existing legal, physical, biological or hydrological conditions that prevent achievement of consistency are considered hardships, making properties affected by these conditions eligible for an equivalent consistency finding.

It is ARC staff opinion that the lack of available offset land for this project constitutes such a hardship, making the property eligible for equivalent consistency. We use an average weighted runoff coefficient test to determine equivalent consistency.

Average Weighted Runoff Coefficient Test

The average weighted runoff coefficient test compares the proposed project to a hypothetical maximum consistent project, which assumes that the condition causing the hardship does not exist. The test handles disturbance and undisturbed areas differently than in a review.

Undisturbed areas are identified as “natural”, and the non-impervious portion of the disturbed area (impervious is always land disturbance as well) is separated out and called “landscaped”.

Impervious stays the same. The calculations also average out the areas and percentages of the natural, landscaped and impervious land across the entire site, combining the totals of each in all categories. The percentages are multiplied by a runoff coefficient (0.30 for natural, 0.35 for landscaped and 0.95 for impervious). The results are then added, which is the average weighted runoff coefficient for a maximum consistent project. The test is run again for the proposed project. If the proposed average weighted runoff coefficient is the same or lower than the maximum consistent project, then it is considered to be equivalent to a consistent project.

Addendum
Page Two

Using the category areas provided by the applicant, the allowed maximums for each category for the maximum consistent project were calculated:

Maximum Consistent Project:

Category	Total Area	Land Disturbance	Impervious Surface
A	1.44 Ac	1.296 Ac (90%)	1.08 Ac (75%)
B	0.11 Ac	0.088 Ac (80%)	0.066 Ac (60%)
C	41.35 Ac	28.945 Ac (70%)	18.608 Ac (45%)
D	25.05 Ac	12.525 Ac (50%)	7.515 Ac (30%)
E	32.39 Ac	9.717 Ac (30%)	4.858 Ac (15%)
TOTALS:	100.34 Ac	52.571 Ac	32.127 Ac

Using the totals from this table, the areas used in the runoff coefficient test were calculated:

100.34 Ac (total area) – 52.571 Ac (disturbed area) = 47.769 Ac (natural/undisturbed)

52.571 Ac (disturbed) – 32.127 Ac (impervious area) = 20.444 Ac (landscaped)

32.127 Ac (impervious)

Next, the percentage of the total site in each area was calculated, expressed as a decimal. Then, each percentage was multiplied by the appropriate runoff coefficient:

Natural: 47.769 / 100.34 = 0.4761 x 0.30 = 0.1428
Landscaped: 20.444 / 100.34 = 0.2037 x 0.35 = 0.0713
Impervious: 32.127 / 100.34 = 0.3202 x 0.95 = 0.3042
Average weighted runoff coefficient: **0.5183**

Using the numbers provided by the applicant, the process was repeated for the proposed project:

Proposed Project:

Category	Total Area	Land Disturbance	Impervious Surface
A	1.44 Ac	1.44 Ac (100%)	0.41 Ac (28.13%)
B	0.11 Ac	0.11 Ac (100%)	0 Ac (0%)
C	41.35 Ac	41.35 Ac (100%)	12.91 Ac (31.22%)
D	25.05 Ac	25.05 Ac (100%)	4.15 Ac (16.57%)
E	32.39 Ac	31.09 Ac (95.98%)	8.69 Ac (27.95%)
TOTALS:	100.34 Ac	99.04 Ac	26.16 Ac

Addendum
Page Three

Again, using the totals from the proposed project table, the areas for this portion of the runoff coefficient test were calculated:

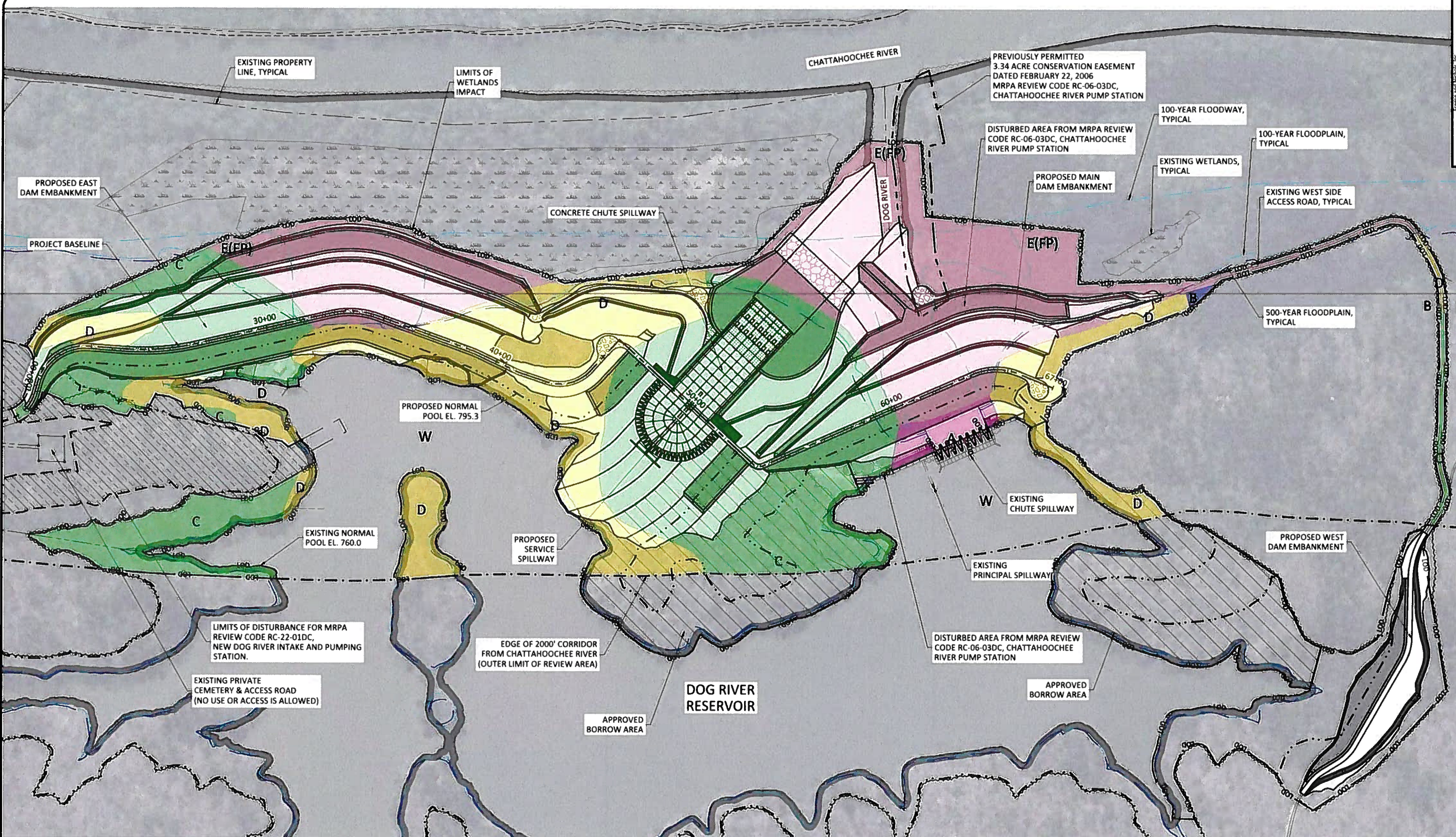
$$100.34 \text{ Ac (total area)} - 99.04 \text{ Ac (disturbed area)} = 1.3 \text{ Ac (natural/undisturbed)}$$

$$99.04 \text{ Ac (disturbed)} - 26.16 \text{ Ac (impervious area)} = 72.88 \text{ Ac (landscaped)}$$

$$26.16 \text{ Ac (impervious)}$$

Next, the percentage of the total site in each area was again calculated, expressed as a decimal. Then, each percentage was multiplied by the appropriate runoff coefficient:

Natural:	$1.3 / 100.34 = 0.013 \times 0.30 = 0.0039$
Landscaped:	$72.88 / 100.34 = 0.7263 \times 0.35 = 0.2542$
Impervious:	$26.16 / 100.34 = 0.2607 \times 0.95 = 0.2477$
Average weighted runoff coefficient:	0.5058

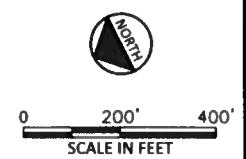


SYMBOL LEGEND

	EXISTING PROPERTY LINE		BORROW AREA PLANNED FOR DAM CONSTRUCTION
	EXISTING POOL/WATER LEVEL		AREA OF NEW INTAKE PUMP STATION
	LIMITS OF DISTURBANCE/ LIMITS OF REVIEW AREA		EXISTING WETLANDS
	PROPOSED NORMAL POOL		
	100-YEAR FLOOD ELEVATION		
	500-YEAR FLOOD ELEVATION		
	2000' CORRIDOR FROM CHATTAHOOCHEE RIVER		

VULNERABILITY TABLE

Category	1: TOTAL ACREAGE ON DDCWSA PROPERTY (AC)	2: LAND DISTURBANCE BY THESE PROJECTS (AC)	3: IMP. SURFACE EXISTING PRIOR TO THESE PROJECTS (AC)	4a: INUNDATED IMP. SURFACE NEW ON THESE PROJECTS (AC)	4b: DRY IMP. SURFACE NEW ON THESE PROJECTS (AC)	5: TOTAL IMP. REMAINING & NEW PER THESE PROJECTS (AC)	6: % LAND DISTURBED FOR THESE PROJECTS
	1.44	1.44	0.89	0.27	0.00	0.41	100.00%
	0.11	0.11	0.00	0.00	0.00	0.00	100.00%
	41.35	41.35	1.94	2.25	10.55	12.91	100.00%
	25.05	25.05	0.61	1.06	3.09	4.15	100.00%
	32.39	31.09	1.08	0.32	8.37	8.69	95.98%
	0.00	0.00	0.00	0.00	0.00	0.00	0.00
TOTAL	100.34	99.04	4.52	3.90	22.01	26.16	N/A



Freese and Nichols, Inc.
Georgia Registered Engineering Firm PEI 004433

NOT FOR CONSTRUCTION
THIS DOCUMENT IS RELEASED ON THE AUTHORITY OF INTERIM REVIEW UNDER THE AUTHORITY OF: GREGG W. HUDOCK P.E.
GEORGIA REG. NO. 037465, ON DATE: 08/23/24
FOR CONSTRUCTION, BOIDDING OR PERMIT PURPOSES.

Freese and Nichols
360 Interstate North Parkway,
Suite 250
Atlanta, GA 30339
Phone: (404) 334-4310
Web: www.freese.com

DOUGLASVILLE - DOUGLAS COUNTY WATER & SEWER AUTHORITY
**DOG RIVER RESERVOIR EXPANSION PROJECT
NO. 2, RAISING OF DOG RIVER DAM**

CIVIL
**PROPOSED SITE PLAN
FOR MRPA PERMITTING**

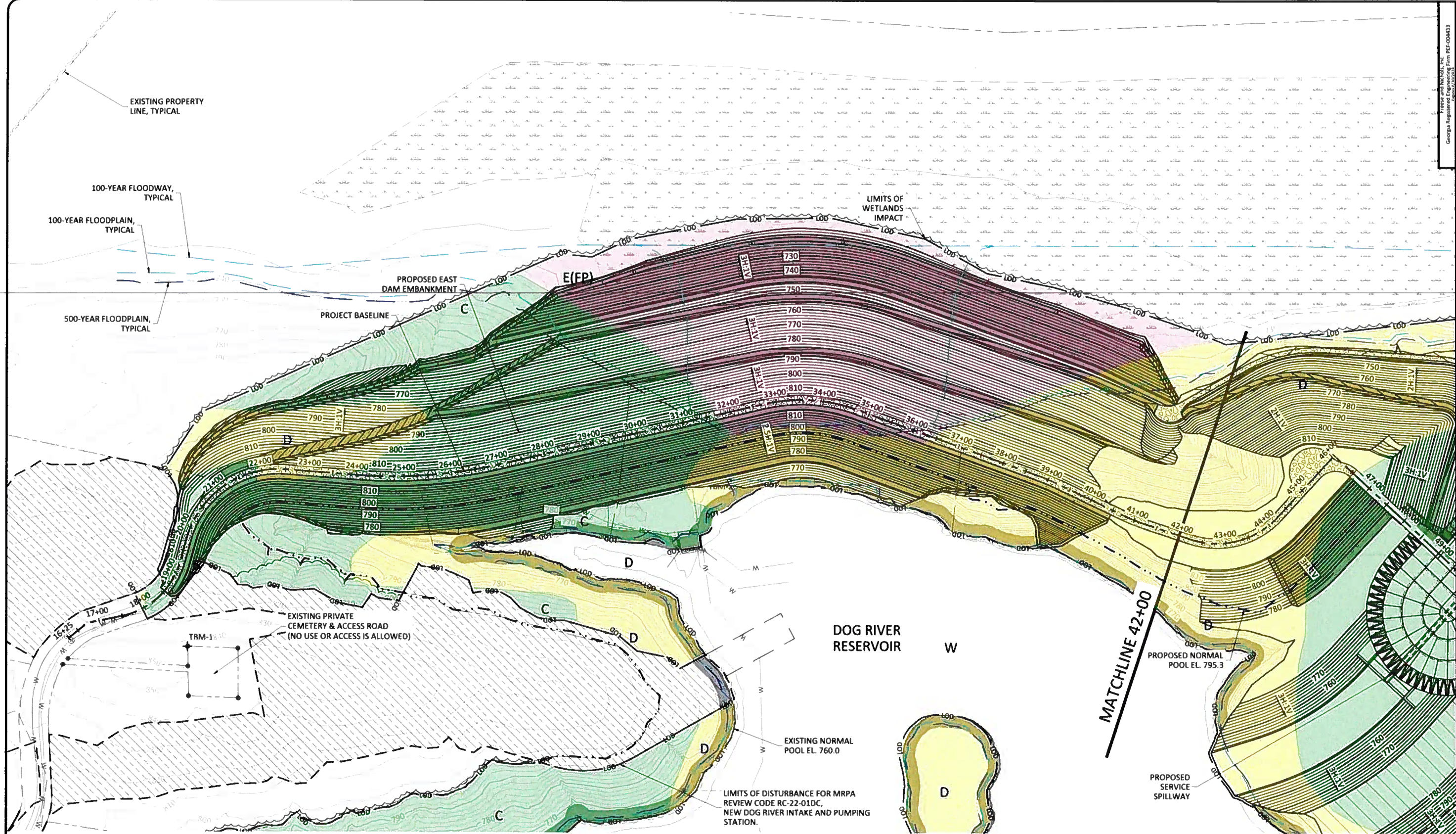
PLAN JOB NO.	DDC20643
DATE	JAN 2024
DESIGNED	MTM
DRAWN	GHB
REVISED	
CHECKED	
FILE NAME	GN-ALL-04-PROP-SITE.dwg
NO. ISSUE	
SHEET	3 OF 5

Bar is one inch on original drawing. If not one inch on this sheet, adjust scale.

VERIFY SCALE 1

ISSUED FOR PERMITTING

ACAD Ref: C3D 2023



SYMBOL LEGEND

	EXISTING PROPERTY LINE		BORROW AREA PLANNED FOR DAM CONSTRUCTION
	EXISTING POOL/WATER LEVEL		AREA OF NEW INTAKE PUMP STATION
	LIMITS OF DISTURBANCE/ LIMITS OF REVIEW AREA		EXISTING WETLANDS
	PROPOSED NORMAL POOL		
	100-YEAR FLOOD ELEVATION		
	500-YEAR FLOOD ELEVATION		
	2000' CORRIDOR FROM CHATTAHOOCHEE RIVER		

VULNERABILITY TABLE

Category	1: TOTAL ACREAGE ON DDOWSA PROPERTY (AC)	2: LAND DISTURBANCE BY THESE PROJECTS (AC)	3: IMP. SURFACE EXISTING PRIOR TO THESE PROJECTS (AC)	4a: INUNDATED IMP. SURFACE NEW ON THESE PROJECTS (AC)	4b: DRY IMP. SURFACE NEW ON THESE PROJECTS (AC)	5: TOTAL IMP. REMAINING & NEW PER THESE PROJECTS (AC)	6: % LAND DISTURBED FOR THESE PROJECTS
A	1.44	1.44	0.89	0.27	0.00	0.41	100.00%
B	0.11	0.11	0.00	0.00	0.00	0.00	100.00%
C	41.35	41.35	1.94	2.25	10.55	12.91	100.00%
D	25.05	25.05	0.61	1.06	3.09	4.15	100.00%
E	32.39	31.09	1.08	0.32	8.37	8.69	95.98%
F	0.00	0.00	0.00	0.00	0.00	0.00	0.00
TOTAL	100.34	99.04	4.52	3.90	22.01	26.16	N/A

George Registered Engineering Firm REF-004433

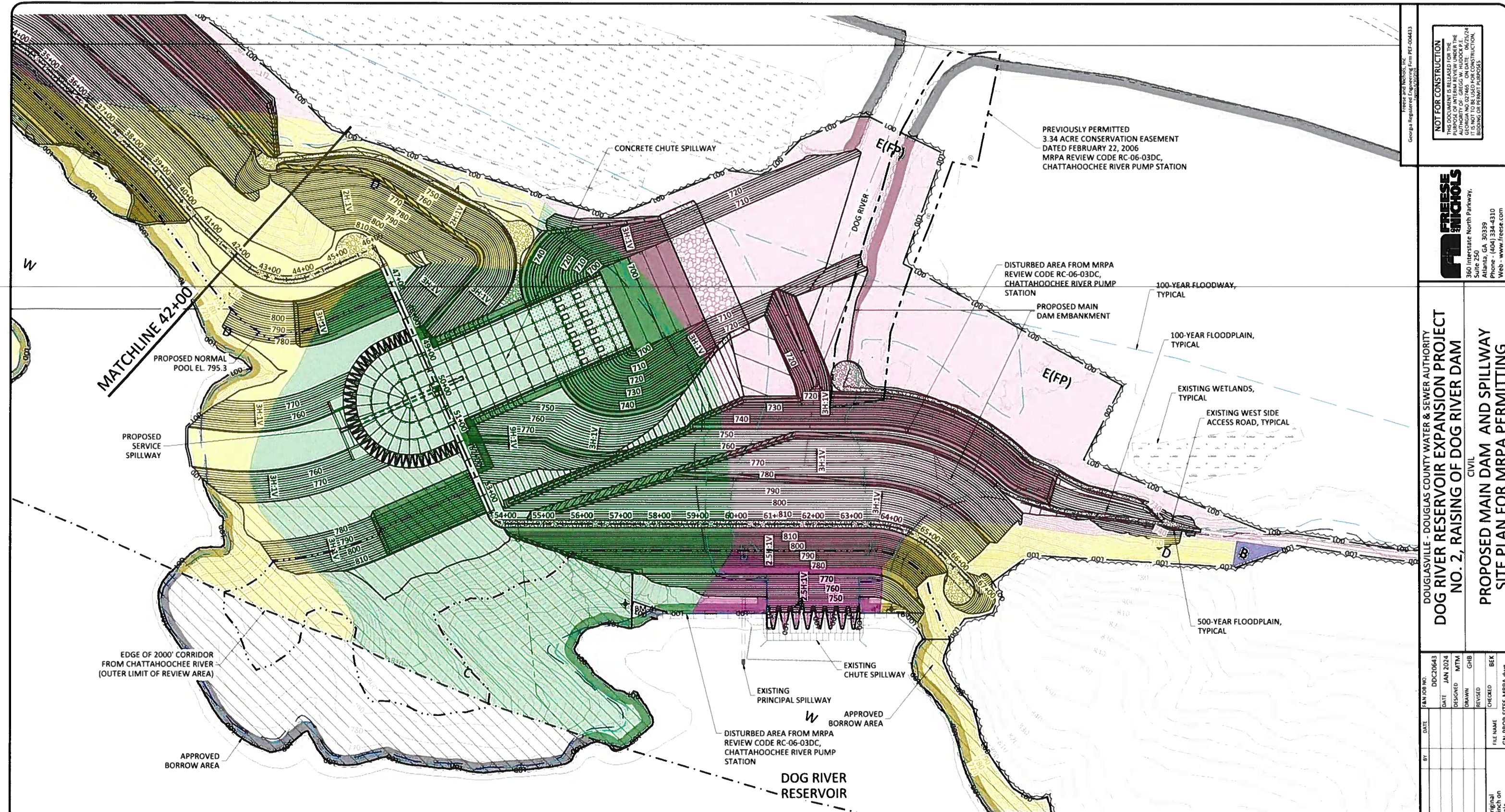
NOT FOR CONSTRUCTION
THIS DOCUMENT IS RELEASED FOR THE PURPOSES OF INTERAGENCY REVIEW UNDER THE AUTHORITY OF: GREGG W. HUDOCK P.E.
GEORGIA REG. NO. 027465, ON DATE: 06/25/24
FOR OFFICIAL USE ONLY IN PERMITTING AND BIDDING OF PERMIT PURPOSES.

FREESE & NICHOLS
360 Interstate North Parkway
Suite 250
Atlanta, GA 30339
Phone - (404) 334-4310
Web - www.freese.com

**DOUGLASVILLE - DOUGLAS COUNTY WATER & SEWER AUTHORITY
DOG RIVER RESERVOIR EXPANSION PROJECT
NO. 2, RAISING OF DOG RIVER DAM**

**PROPOSED EAST EMBANKMENT
SITE PLAN FOR MRPA PERMITTING**

NO.	ISSUE	DATE	BY	DATE	NO.	ISSUE	DATE	BY	DATE
1	ISSUE				1	ISSUE			
2	ISSUE				2	ISSUE			
3	ISSUE				3	ISSUE			
4	ISSUE				4	ISSUE			
5	ISSUE				5	ISSUE			
6	ISSUE				6	ISSUE			
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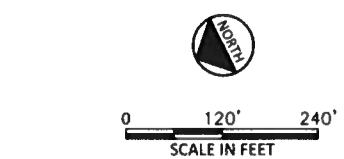


SYMBOL LEGEND

- | | | | |
|-----|--|--|--|
| --- | EXISTING PROPERTY LINE | | BORROW AREA PLANNED FOR DAM CONSTRUCTION |
| --- | EXISTING POOL/WATER LEVEL | | AREA OF NEW INTAKE PUMP STATION |
| --- | LIMITS OF DISTURBANCE/ LIMITS OF REVIEW AREA | | EXISTING WETLANDS |
| --- | PROPOSED NORMAL POOL | | |
| --- | 100-YEAR FLOOD ELEVATION | | |
| --- | 500-YEAR FLOOD ELEVATION | | |
| --- | 2000' CORRIDOR FROM CHATTAHOOCHEE RIVER | | |

VULNERABILITY TABLE

Category	1: TOTAL ACREAGE ON DDCWSA PROPERTY (AC)	2: LAND DISTURBANCE BY THESE PROJECTS (AC)	3: IMP. SURFACE EXISTING PRIOR TO THESE PROJECTS (AC)	4a: INUNDATED IMP. SURFACE NEW ON THESE PROJECTS (AC)	4b: DRY IMP. SURFACE NEW ON THESE PROJECTS (AC)	5: TOTAL IMP. REMAINING & NEW PER THESE PROJECTS (AC)	6: % LAND DISTURBED FOR THESE PROJECTS
	1.44	1.44	0.89	0.27	0.00	0.41	100.00%
	0.11	0.11	0.00	0.00	0.00	0.00	100.00%
	41.35	41.35	1.94	2.25	10.55	12.91	100.00%
	25.05	25.05	0.61	1.06	3.09	4.15	100.00%
	32.39	31.09	1.08	0.32	8.37	8.69	95.98%
	0.00	0.00	0.00	0.00	0.00	0.00	0.00
TOTAL	100.34	99.04	4.52	3.90	22.01	26.16	N/A



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DOUGLASVILLE - DOUGLAS COUNTY WATER & SEWER AUTHORITY
**DOG RIVER RESERVOIR EXPANSION PROJECT
NO. 2, RAISING OF DOG RIVER DAM**

CIVIL

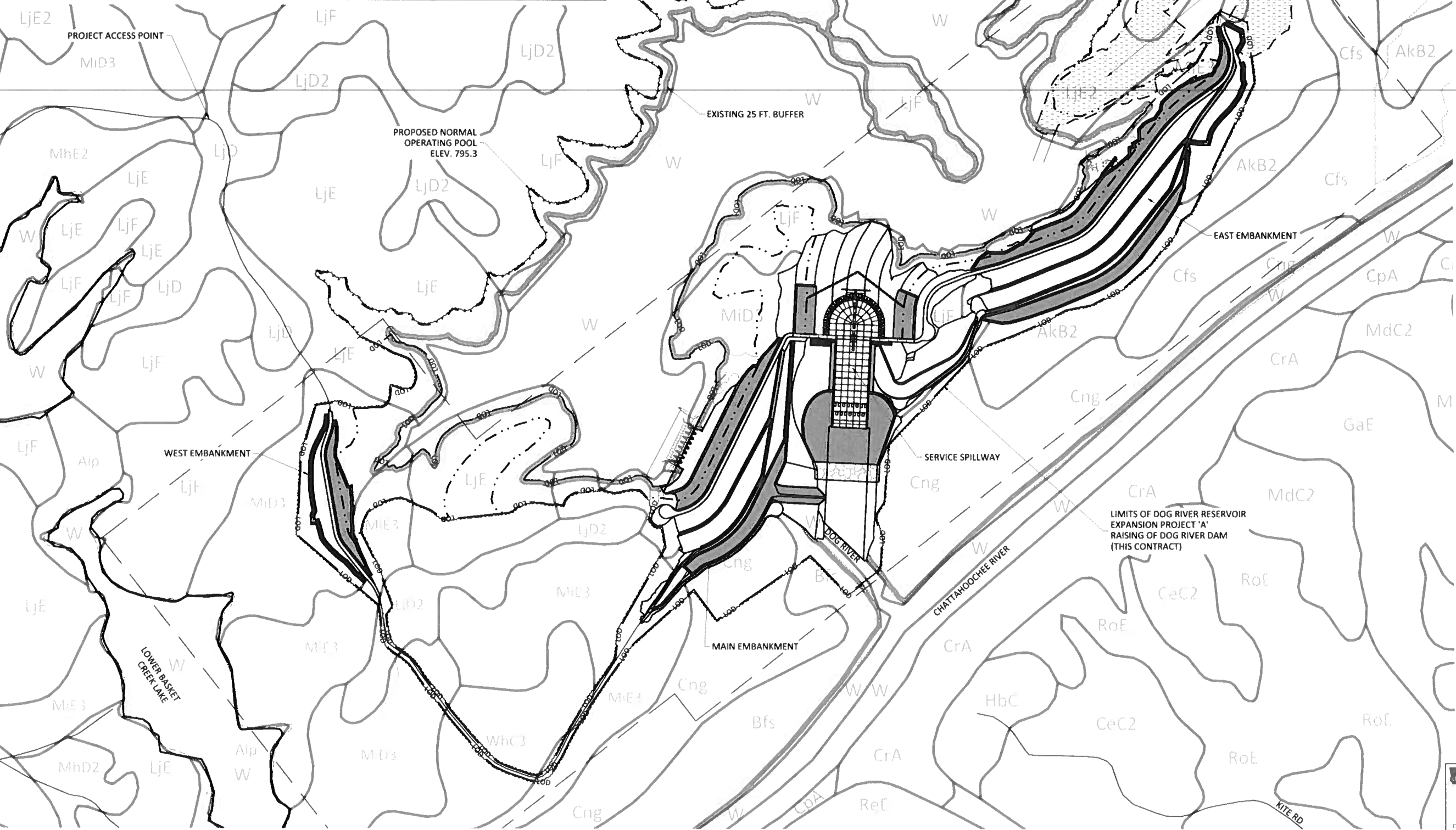
**PROPOSED MAIN DAM AND SPILLWAY
SITE PLAN FOR MRPA PERMITTING**

PLAN JOB NO.	DDC0643	DATE	JAN 2024	DESIGNED	MTM	DRAWN	GHB	CHECKED	BEK
BY									
NO.	ISSUE								
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VERIFY SCALE 1 0									

SHEET 5 OF 5

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SOILS DATA TABLE FOR DAM CONSTRUCTION				
MAP UNIT SYMBOL	DESCRIPTION	ALLOWABLE SLOPES (%)	ACRES IN LIMITS OF DISTURBANCE	PERCENT OF LIMITS OF DISTURBANCE
AkB2	ALTAVISTA FINE SANDY LOAM	2 TO 6	10.4	8.1%
Bfs	BUNCOMBE LOAMY SAND	0 TO 6	3.8	2.9%
Cng	CONGAREE SOILS	N/A	14.2	11.1%
LjD2	LOUISA FINE SANDY LOAM, ERODED	10 TO 15	0.5	0.4%
LjE	LOUISA FINE SANDY LOAM	15 TO 25	11.6	9.1%
LjE2	LOUISA FINE SANDY LOAM, ERODED	15 TO 25	0.2	0.2%
LjF	LOUISA FINE SANDY LOAM	25 TO 40	22.0	17.1%
Mid3	MADISON GRAVELLY SANDY CLAY LOAM, SEVERELY ERODED	10 TO 15	36.7	28.6%
MIE3	MADISON GRAVELLY SANDY CLAY LOAM, SEVERELY ERODED	15 TO 25	20.3	15.8%
W	WATER	N/A	7.9	6.2%
WhC3	WICKHAM CLAY LOAM, SEVERELY ERODED	6 TO 10	0.6	0.5%
TOTALS			128.1	100.0%



0 300' 600'

SCALE IN FEET

Georgia Soil and Water Conservation Commission

Gregg W Hudock

Level II Certified Design Professional

CERTIFICATION NUMBER 0000005752

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Phone: (404) 334-4310
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**DOG RIVER RESERVOIR EXPANSION PROJECT
NO. 2, RAISING OF DOG RIVER DAM**
EROSION, SEDIMENT & POLLUTION CONTROL
**DOG RIVER DAM CONSTRUCTION
SOILS MAP**

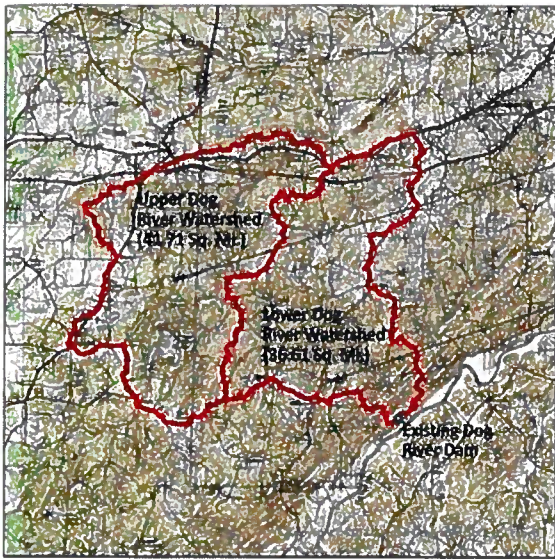
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SEQ. 4



WATERSHED MAP

SCALE: N.T.S.

CN:68

CN:64

DOG RIVER RESERVOIR EXPANSION PROJECT 'B' DIVISION IV - RECREATIONAL AREA MODIFICATIONS (BY OTHERS)

DOG RIVER RESERVOIR EXPANSION PROJECT 'B' DIVISION II - BACKUP INTAKE AND PUMPING STATION (BY OTHERS)

DOG RIVER RESERVOIR

EXISTING 30" RAW WATER LINE AIR RELEASE VALVE RELOCATIONS, REFER TO DRAWINGS AND SPECIFICATIONS BY R.J. WOOD, DATED AUGUST 23, 2022 (THIS CONTRACT)

PROJECT ACCESS POINT N 33.62406, W 84.77688

Co Tw

DOG RIVER RESERVOIR EXPANSION PROJECT 'B' DIVISION I - SCADA TOWER (BY OTHERS)

NOTE: TIRE WASH (TW) INSTALLATION AT CONSTRUCTION ENTRANCE/EXIT IS OPTIONAL. INSTALL TO PREVENT TRACKING OF DIRT ON TO OFF SITE ROADS AS NEEDED.

DUNCAN MEMORIAL HIGHWAY

FIVE NOTCH ROAD

166 LAKE DAM (TO BE RAISED UNDER SEPARATE CONTRACT) (BY OTHERS)

DOG RIVER RESERVOIR EXPANSION PROJECT 'C' RAISING OF GA HIGHWAY 166 BRIDGE (BY OTHERS)

PROJECT ACCESS POINT N 33.61179, W 84.79670

Co Tw

NOTE: TIRE WASH (TW) INSTALLATION AT CONSTRUCTION ENTRANCE/EXIT IS OPTIONAL. INSTALL TO PREVENT TRACKING OF DIRT ON TO OFF SITE ROADS AS NEEDED.

EXISTING NORMAL OPERATING POOL ELEV. 760.0

DOG RIVER RESERVOIR EXPANSION PROJECT 'B' DIVISION III - ENTRANCE ROAD (BY OTHERS)

DOG RIVER RESERVOIR EXPANSION PROJECT 'B' DIVISION I - MAIN INTAKE AND PUMPING STATION (BY OTHERS)

CANTRELL ROAD

UPPER BASKET CREEK LAKE

LOCATION OF PROPOSED WEST EMBANKMENT

LOWER BASKET CREEK LAKE

EXISTING EAST EMBANKMENT

LIMITS OF DOG RIVER RESERVOIR EXPANSION PROJECT 'A' RAISING OF DOG RIVER DAM (THIS CONTRACT)

EXISTING MAIN EMBANKMENT

EXISTING SERVICE SPILLWAY



0 500' 1,000'
SCALE IN FEET

GSWCC Georgia Soil and Water Conservation Commission
Gregg W Hudock
Level II Certified Design Professional
CERTIFICATION NUMBER 0000005752
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DOG RIVER RESERVOIR EXPANSION PROJECT NO. 2, RAISING OF DOG RIVER DAM
EROSION, SEDIMENT & POLLUTION CONTROL
DOG RIVER DAM CONSTRUCTION SITE ACCESS PLAN

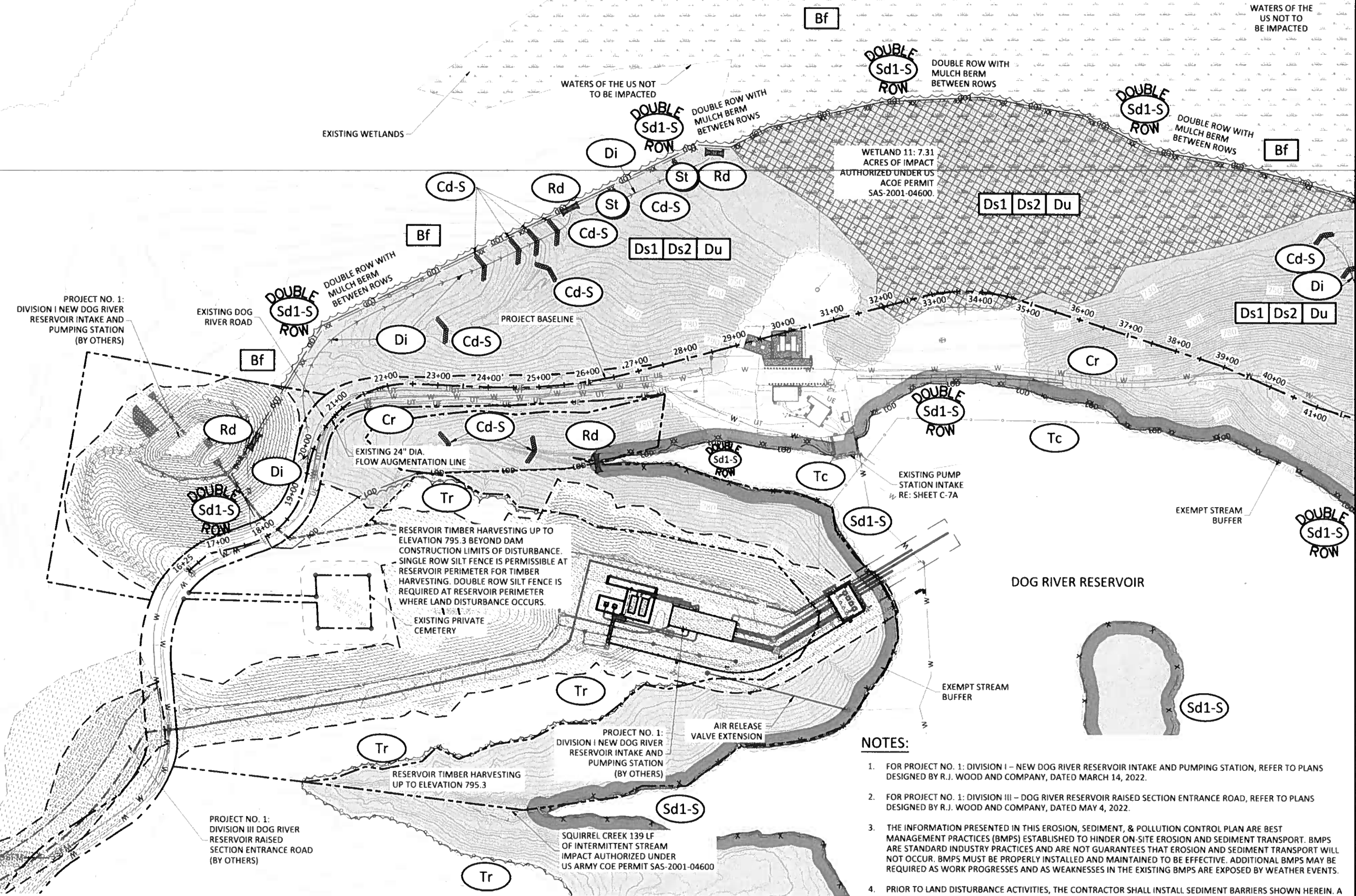
NO.	ISSUE	DATE	BY	PLAN JOB NO.	DATE	DESIGNED	DRAWN	REVIEWED	CHECKED	FILE NAME
1				DDC20643	APR 2024	GWH	GWH		CEC	GN-ESP-PL-TITLE.dwg

SHEET ES-4

SEQ. 5

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NOTES:

- FOR PROJECT NO. 1: DIVISION I - NEW DOG RIVER RESERVOIR INTAKE AND PUMPING STATION, REFER TO PLANS DESIGNED BY R.J. WOOD AND COMPANY, DATED MARCH 14, 2022.
- FOR PROJECT NO. 1: DIVISION III - DOG RIVER RESERVOIR RAISED SECTION ENTRANCE ROAD, REFER TO PLANS DESIGNED BY R.J. WOOD AND COMPANY, DATED MAY 4, 2022.
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Gregg W Hudock
Level II Certified Design Professional
CERTIFICATION NUMBER: 0000005752
ISSUED: 08/29/2021 EXPIRES: 08/29/2024

DOUGLASVILLE - DOUGLAS COUNTY WATER & SEWER AUTHORITY
DOG RIVER RESERVOIR EXPANSION PROJECT
NO. 2, RAISING OF DOG RIVER DAM
EROSION, SEDIMENT & POLLUTION CONTROL
EAST DAM EMBANKMENT
PHASE 1 - INITIAL SITE STABILIZATION PHASE

NO.	ISSUE	DATE	BY	DATE	REVISED	FILE NAME	CHECKED	FILE NAME
1	ISSUE					CV-ES-PL-EXSITE.dwg	CEC	
2	ISSUE							
3	ISSUE							
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6	ISSUE							
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8	ISSUE							
9	ISSUE							
10	ISSUE							

SHEET ES-5

SEQ. 6

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WETLAND 11: 7.31 ACRES OF IMPACT AUTHORIZED UNDER US ACOE PERMIT SAS-2001-04600.

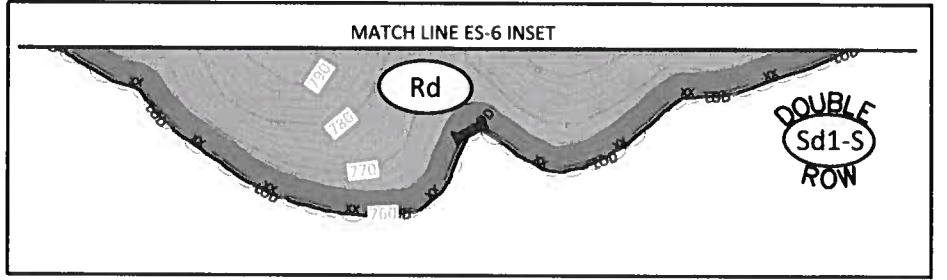
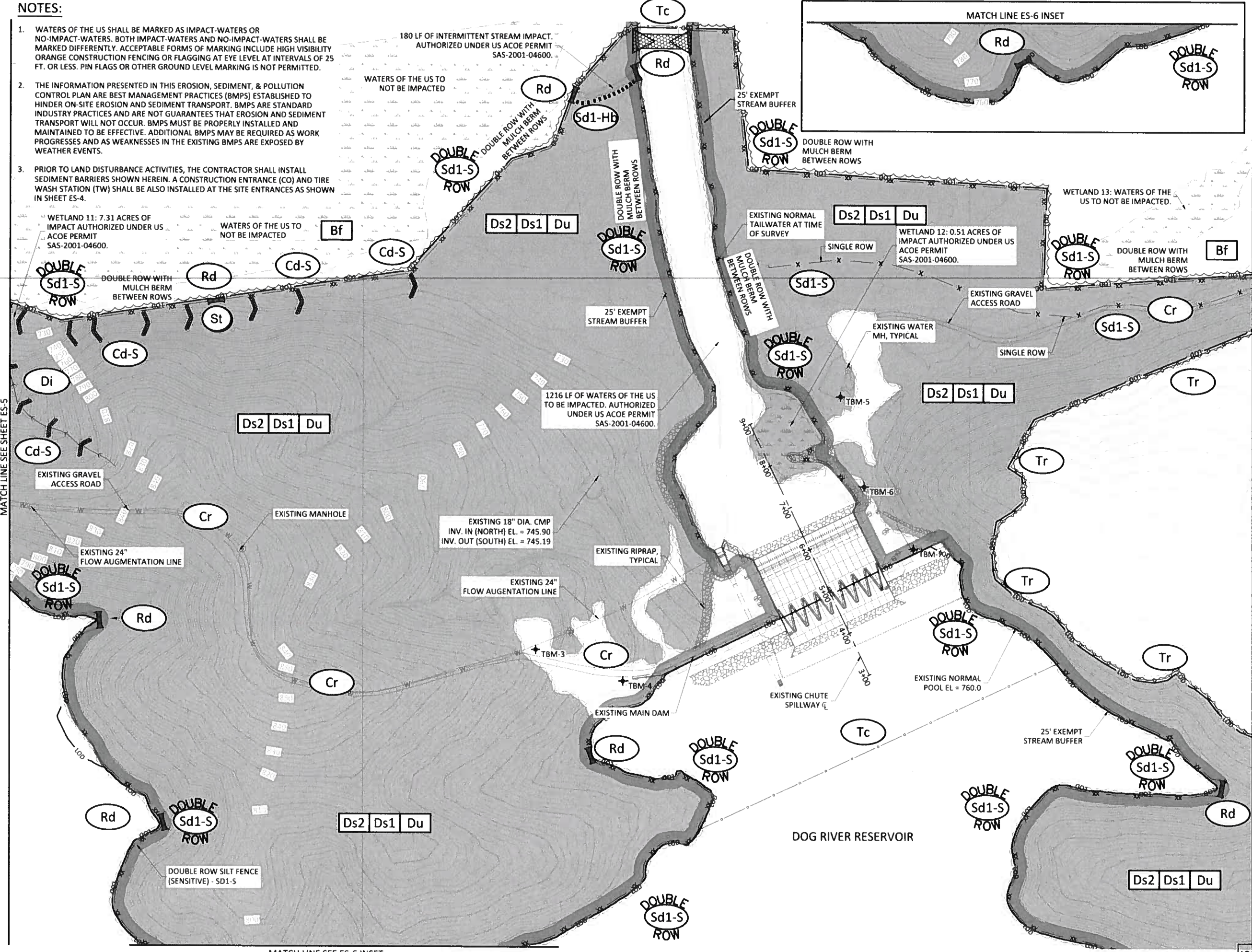
WATERS OF THE US TO NOT BE IMPACTED

180 LF OF INTERMITTENT STREAM IMPACT. AUTHORIZED UNDER US ACOE PERMIT SAS-2001-04600.

WATERS OF THE US TO NOT BE IMPACTED

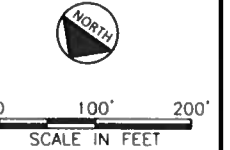
WETLAND 12: 0.51 ACRES OF IMPACT AUTHORIZED UNDER US ACOE PERMIT SAS-2001-04600.

WETLAND 13: WATERS OF THE US TO NOT BE IMPACTED.



MATCH LINE SEE SHEET ES-7

MATCH LINE SEE SHEET ES-5



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CERTIFICATION NUMBER: 0000005752
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DOUGLASVILLE - DOUGLAS COUNTY WATER & SEWER AUTHORITY
DOG RIVER RESERVOIR EXPANSION PROJECT
NO. 2, RAISING OF DOG RIVER DAM
EROSION, SEDIMENT & POLLUTION CONTROL
SERVICE SPILLWAY & MAIN DAM
PHASE 1 - INITIAL SITE STABILIZATION PHASE

DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE
BY	BY	BY	BY	BY	BY	BY	BY	BY	BY
DESIGNED	DESIGNED	DESIGNED	DESIGNED	DESIGNED	DESIGNED	DESIGNED	DESIGNED	DESIGNED	DESIGNED
DRAWN	DRAWN	DRAWN	DRAWN	DRAWN	DRAWN	DRAWN	DRAWN	DRAWN	DRAWN
REVIEWED	REVIEWED	REVIEWED	REVIEWED	REVIEWED	REVIEWED	REVIEWED	REVIEWED	REVIEWED	REVIEWED
CHECKED	CHECKED	CHECKED	CHECKED	CHECKED	CHECKED	CHECKED	CHECKED	CHECKED	CHECKED
FILE NAME	FILE NAME	FILE NAME	FILE NAME	FILE NAME	FILE NAME	FILE NAME	FILE NAME	FILE NAME	FILE NAME
CV-SSP-PL-ES-1.dwg	CV-SSP-PL-ES-1.dwg	CV-SSP-PL-ES-1.dwg	CV-SSP-PL-ES-1.dwg	CV-SSP-PL-ES-1.dwg	CV-SSP-PL-ES-1.dwg	CV-SSP-PL-ES-1.dwg	CV-SSP-PL-ES-1.dwg	CV-SSP-PL-ES-1.dwg	CV-SSP-PL-ES-1.dwg

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SEQ. 7

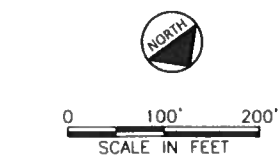
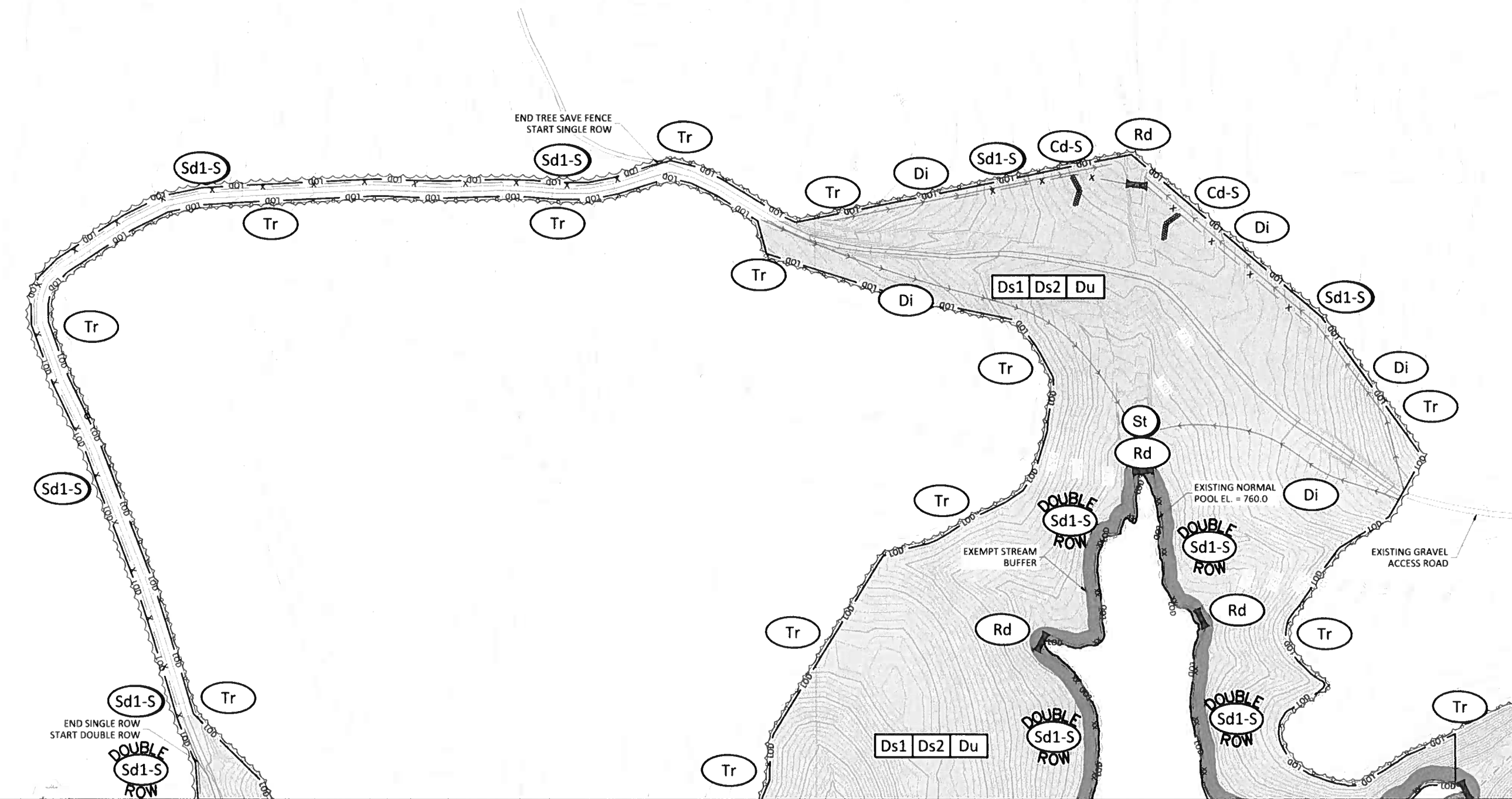
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NO. 2, RAISING OF DOG RIVER DAM**
EROSION, SEDIMENT & POLLUTION CONTROL
**WEST DAM EMBANKMENT
PHASE 2 - INTERMEDIATE SITE STABILIZATION PHASE**

NO.	ISSUE	DATE	BY	DATE	DESIGNED	DRAWN	REVIEWED	CHECKED	FILE NAME
1	VERIFY SCALE								Bar is one inch on original drawing. If not one inch on this sheet, adjust scale.
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SHEET **ES-7**
SEQ. 8

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2. FOR PROJECT NO. 1: DIVISION III – DOG RIVER RESERVOIR RAISED SECTION ENTRANCE ROAD, REFER TO PLANS DESIGNED BY R.J. WOOD AND COMPANY, DATED MAY 4, 2022.
3. THE INFORMATION PRESENTED IN THIS EROSION, SEDIMENT, & POLLUTION CONTROL PLAN ARE BEST MANAGEMENT PRACTICES (BMPs) ESTABLISHED TO HINDER ON-SITE EROSION AND SEDIMENT TRANSPORT. BMPs ARE STANDARD INDUSTRY PRACTICES AND ARE NOT GUARANTEES THAT EROSION AND SEDIMENT TRANSPORT WILL NOT OCCUR. BMPs MUST BE PROPERLY INSTALLED AND MAINTAINED TO BE EFFECTIVE. ADDITIONAL BMPs MAY BE REQUIRED AS WORK PROGRESSES AND AS WEAKNESSES IN THE EXISTING BMPs ARE EXPOSED BY WEATHER EVENTS.
4. THE CONCRETE WASTE MANAGEMENT BMP SHALL BE INSTALLED PRIOR TO PLACEMENT OF CONCRETE, RCC, OR SOIL CEMENT. THE LOCATION OF THE CWM MAY BE MOVED DURING CONSTRUCTION PROVIDED A CONCRETE WASTE MANAGEMENT BMP IS AVAILABLE ON SITE DURING CONCRETE, RCC, OR SOIL CEMENT PLACEMENT.
5. NON-SENSITIVE SILT FENCES IN EXCAVATION AREAS WILL BE INSTALLED AS NEEDED TO CONTROL SOIL EROSION AHEAD OF STORM EVENTS OR ONCE THE FINAL EXCAVATION SURFACE IS ACHIEVED.



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NO. 2, RAISING OF DOG RIVER DAM
 EROSION, SEDIMENT & POLLUTION CONTROL
EAST DAM EMBANKMENT
PHASE 2 - INTERMEDIATE SITE STABILIZATION PHASE

SHEET	NO.	ISSUE	BY	DATE	SEN JOB NO
					DDC20643
				DATE	APR 2024
				DESIGNED	GWJ
				DRAWN	GHJ
				REVISED	
VERIFY SCALE 0 _____ 1 Feet Meters			Bar is one inch on original drawing. If not one inch on this sheet, adjust scale.		
			FILE NAME	CEC	
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**Georgia Soil and Water
Conservation Commission**

Gregg W Hudock

Level II Certified Design Professional

CERTIFICATION NUMBER: 0000005752

ISSUED: 09/29/2021 EXPIRES: 08/29/2024

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SEQ.	9
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3. THE CONCRETE WASTE MANAGEMENT BMP SHALL BE INSTALLED PRIOR TO PLACEMENT OF CONCRETE, RCC, OR SOIL CEMENT. THE LOCATION OF THE CWM MAY BE MOVED DURING CONSTRUCTION PROVIDED A CONCRETE WASTE MANAGEMENT BMP IS AVAILABLE ON SITE DURING CONCRETE, RCC, OR SOIL CEMENT PLACEMENT.
4. NON-SENSITIVE SILT FENCES IN EXCAVATION AREAS WILL BE INSTALLED AS NEEDED TO CONTROL SOIL EROSION AHEAD OF STORM EVENTS OR ONCE THE FINAL EXCAVATION SURFACE IS ACHIEVED.

180 LF OF INTERMITTENT STREAM IMPACT.
AUTHORIZED UNDER US ACOE PERMIT
SAS-2001-04600.

DEWATERING SILT BAGS (TYP.)
SURROUNDED BY MULCH BERM AND
SILT FENCE. SEE DETAIL SHEET ES-17.

LOCATION CAN BE MOVED OR MULTIPLE
LOCATIONS CAN BE USED TO FACILITATE
CONSTRUCTION.

WATERS OF THE US TO
NOT BE IMPACTED.

WETLAND 11: 7.31 ACRES OF
IMPACT AUTHORIZED UNDER US
ACOE PERMIT
SAS-2001-04600.

1216 LF OF WATERS OF THE US TO BE IMPACTED.
AUTHORIZED UNDER US ACOE PERMIT
SAS-2001-04600.

WETLAND 13: WATERS OF THE
US TO NOT BE IMPACTED.

DOUBLE ROW WITH
MULCH BERM BETWEEN
ROWS

DOUBLE
Sd1-S
ROW

DOUBLE ROW WITH
MULCH BERM BETWEEN
ROWS

DOUBLE
Sd1-S
ROW

DOUBLE ROW WITH
MULCH BERM
BETWEEN ROWS

DOUBLE
Sd1-S
ROW

DOUBLE ROW WITH
MULCH BERM BETWEEN
ROWS

DOUBLE
Sd1-S
ROW

DOUBLE ROW SILT FENCE
(SENSITIVE) - SD1-S

DOUBLE
Sd1-S
ROW

~ POTENTIAL BORROW AREA ~
(ALL STOCKPILES SHALL HAVE
SD1-NS AROUND THE PERIMETER)

Ds1 Ds2 Du

DOUBLE
Sd1-S
ROW

DOUBLE
Sd1-S
ROW

DOUBLE
Sd1-S
ROW

DOUBLE
Sd1-S
ROW

DOUBLE
Sd1-S
ROW

Ds1 Ds2 Du

~ POTENTIAL BORROW AREA ~
(ALL STOCKPILES SHALL HAVE
SD1-NS AROUND THE PERIMETER)



0 100' 200'
SCALE IN FEET

GSWCC Georgia Soil and Water
Conservation Commission
Gregg W. Hudock
Level II Certified Design Professional
CERTIFICATION NUMBER: 000005752
ISSUED: 08-29-2021 EXPIRES: 08-29-2024

DOUGLASVILLE - DOUGLAS COUNTY WATER & SEWER AUTHORITY
DOG RIVER RESERVOIR EXPANSION PROJECT
NO. 2, RAISING OF DOG RIVER DAM
EROSION, SEDIMENT & POLLUTION CONTROL
SERVICE SPILLWAY & MAIN DAM PHASE 2B
INTERMEDIATE SITE STABILIZATION PHASE

NO. ISSUE	DATE	DESIGNED	DRAWN	REVIEWED	CHECKED	FILE NAME
						CV-SSP-PL-EXCAN.dwg
VERIFY SCALE	Bar is one inch on original drawing. If not one inch on this sheet, adjust scale.					

SHEET ES-10

ISSUED FOR PERMITTING

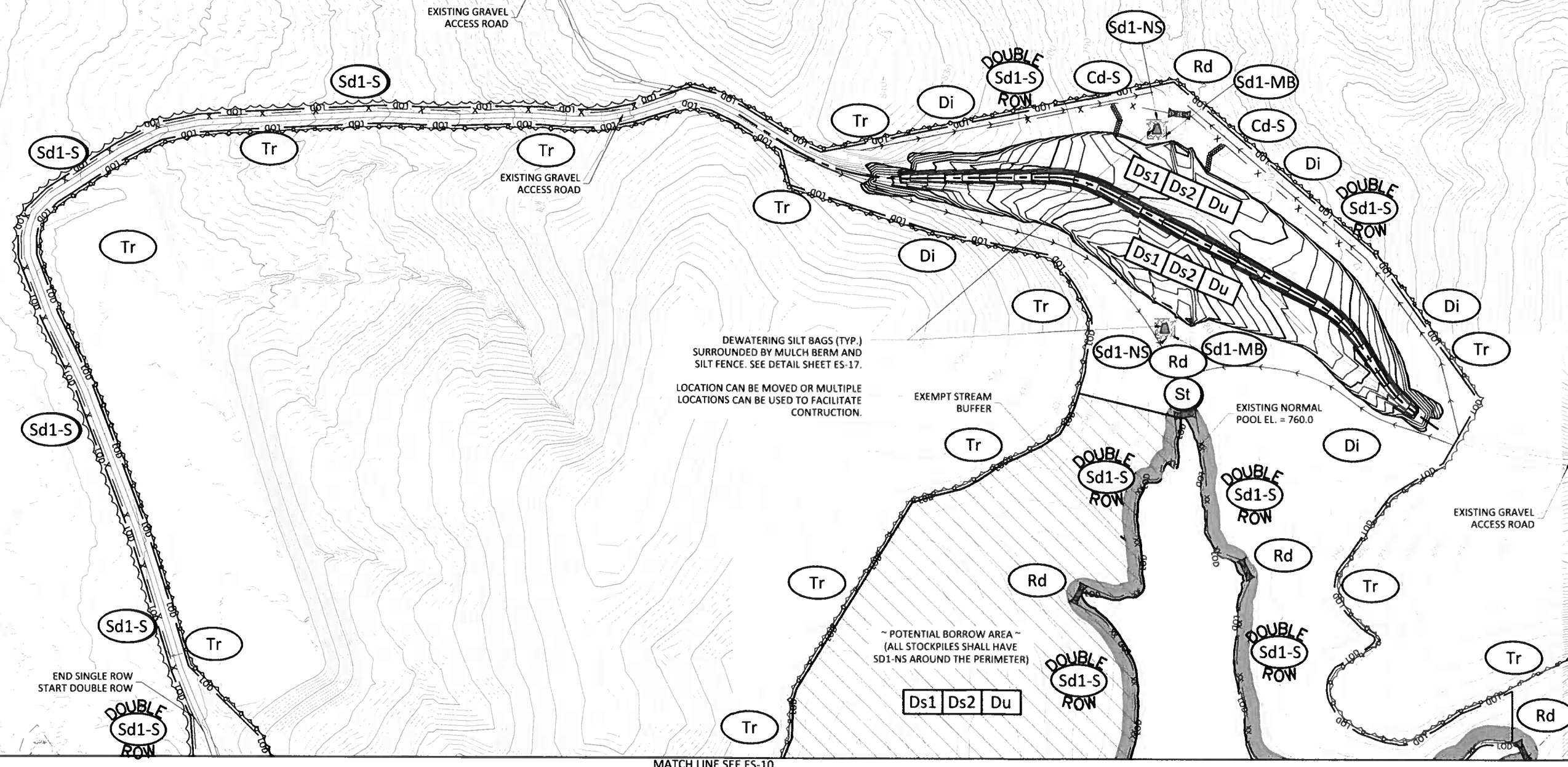
SEQ. 11

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Phone - (404) 334-4310
Web - www.frese.com

Freese and Nichols, Inc.
Georgia Registered Engineering Firm REF-004433
Professional Seal

1. WATERS OF THE US SHALL BE MARKED AS IMPACT-WATERS OR NO-IMPACT-WATERS. BOTH IMPACT-WATERS AND NO-IMPACT-WATERS SHALL BE MARKED DIFFERENTLY. ACCEPTABLE FORMS OF MARKING INCLUDE HIGH VISIBILITY ORANGE CONSTRUCTION FENCING OR FLAGGING AT EYE LEVEL AT INTERVALS OF 25 FT. OR LESS. PIN FLAGS OR OTHER GROUND LEVEL MARKING IS NOT PERMITTED.
2. THE INFORMATION PRESENTED IN THIS EROSION, SEDIMENT, & POLLUTION CONTROL PLAN ARE BEST MANAGEMENT PRACTICES (BMPs) ESTABLISHED TO HINDER ON-SITE EROSION AND SEDIMENT TRANSPORT. BMPs ARE STANDARD INDUSTRY PRACTICES AND ARE NOT GUARANTEES THAT EROSION AND SEDIMENT TRANSPORT WILL NOT OCCUR. BMPs MUST BE PROPERLY INSTALLED AND MAINTAINED TO BE EFFECTIVE. ADDITIONAL BMPs MAY BE REQUIRED AS WORK PROGRESSES AND AS WEAKNESSES IN THE EXISTING BMPs ARE EXPOSED BY WEATHER EVENTS.
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ACAD Rel: C3D 2023

Freeze and Nichols, Inc.
Georgia Registered Engineering Firm PEF-004433
Expires 6/30/2024


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Atlanta, GA 30339
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DOUGLASVILLE - DOUGLAS COUNTY WATER & SEWER AUTHORITY
DOG RIVER RESERVOIR EXPANSION PROJECT
NO. 2, RAISING OF DOG RIVER DAM

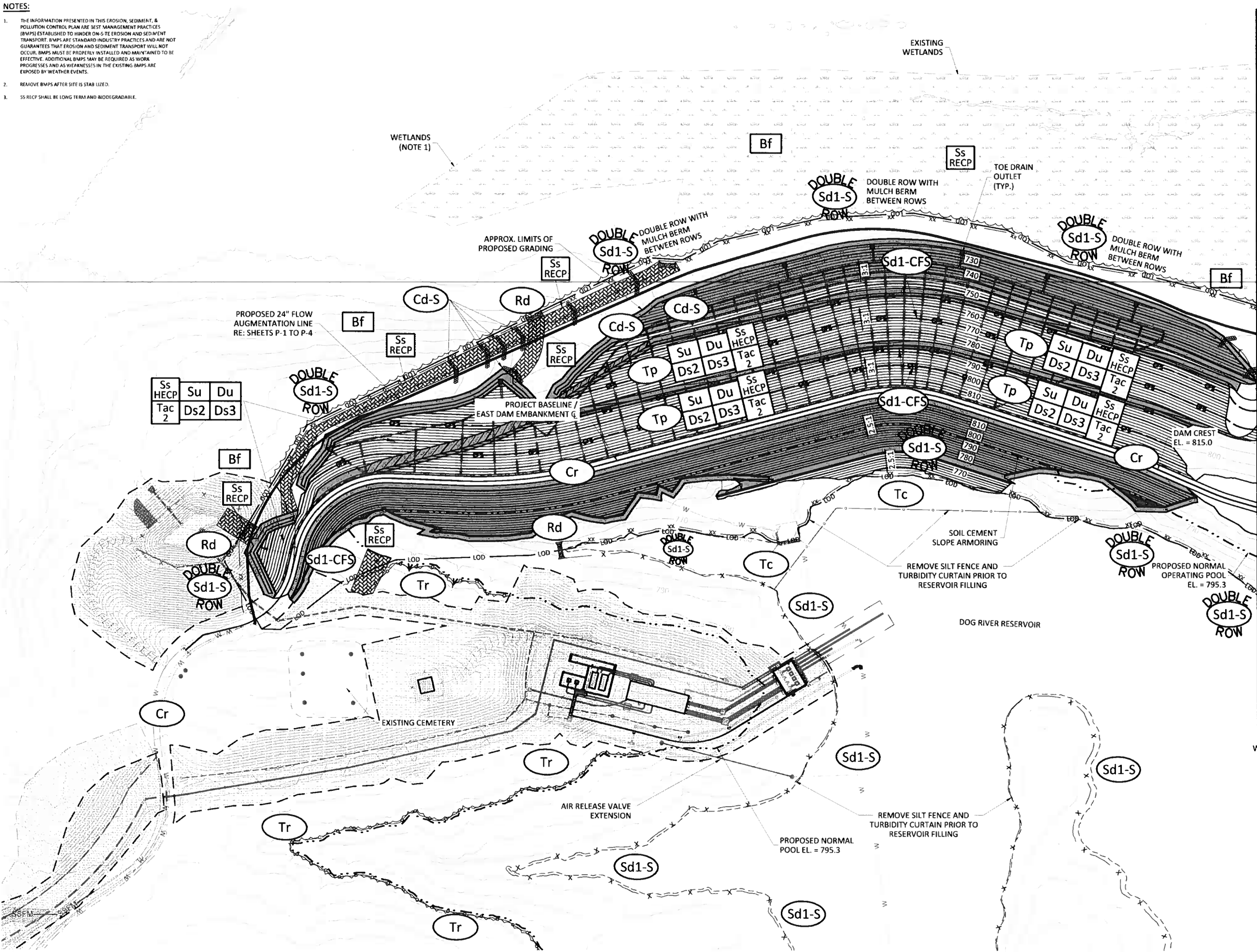
WEST DAM EMBANKMENT
PHASE 2 - INTERMEDIATE SITE STABILIZATION

NO.	ISSUE	BY	DATE	F&N JOB NO.
				DDC20643
			DATE	APR 2024
			DESIGNED	GWH
			DRAWN	GHB
			REVISED	
VERIFY SCALE 		FILE NAME		CHECKED
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CV-WIDE-PLAN.dwg				

SHEET	ES-11
SEQ.	12

NOTES:

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2. REMOVE BMPs AFTER SITE IS STABILIZED.
3. SS RECP SHALL BE LONG TERM AND BIODEGRADABLE.



MATCH LINE SEE SHEET ES-13



0 100' 200'
SCALE IN FEET

GSWCC Georgia Soil and Water Conservation Commission
Gregg W Hudock
Level II Certified Design Professional
CREATION NUMBER 1000000752
ISSUED 08/29/2021 EXPIRES 08/29/2024

SHEET ES-12

ISSUED FOR PERMITTING

SEQ. 13

DOUGLASVILLE - DOUGLAS COUNTY WATER & SEWER AUTHORITY
DOG RIVER RESERVOIR EXPANSION PROJECT
NO. 2, RAISING OF DOG RIVER DAM
EROSION, SEDIMENT & POLLUTION CONTROL
EAST DAM EMBANKMENT
PHASE 3 - FINAL SITE STABILIZATION

NO.	ISSUE	DATE	BY	DATE	ISSUE	FILE NAME
1	ISSUE	08/29/2021	BY	08/29/2021	ISSUE	CV-EDE-PL-PROP-SITE.dwg
2	ISSUE	08/29/2021	BY	08/29/2021	ISSUE	CV-EDE-PL-PROP-SITE.dwg
3	ISSUE	08/29/2021	BY	08/29/2021	ISSUE	CV-EDE-PL-PROP-SITE.dwg
4	ISSUE	08/29/2021	BY	08/29/2021	ISSUE	CV-EDE-PL-PROP-SITE.dwg
5	ISSUE	08/29/2021	BY	08/29/2021	ISSUE	CV-EDE-PL-PROP-SITE.dwg
6	ISSUE	08/29/2021	BY	08/29/2021	ISSUE	CV-EDE-PL-PROP-SITE.dwg
7	ISSUE	08/29/2021	BY	08/29/2021	ISSUE	CV-EDE-PL-PROP-SITE.dwg
8	ISSUE	08/29/2021	BY	08/29/2021	ISSUE	CV-EDE-PL-PROP-SITE.dwg
9	ISSUE	08/29/2021	BY	08/29/2021	ISSUE	CV-EDE-PL-PROP-SITE.dwg
10	ISSUE	08/29/2021	BY	08/29/2021	ISSUE	CV-EDE-PL-PROP-SITE.dwg

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Georgia Registered Engineering Firm #41-004433
Expires 08/29/2024

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2. REMOVE BMPs AFTER SITE IS STABILIZED.
3. SS RECP SHALL BE LONG TERM AND BIODEGRADABLE.



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DOUGLASVILLE - DOUGLAS COUNTY WATER & SEWER AUTHORITY
DOG RIVER RESERVOIR EXPANSION PROJECT
NO. 2, RAISING OF DOG RIVER DAM
 EROSION, SEDIMENT & POLLUTION CONTROL
SERVICE SPILLWAY
PHASE 3 - FINAL SITESTABILIZATION PHASE

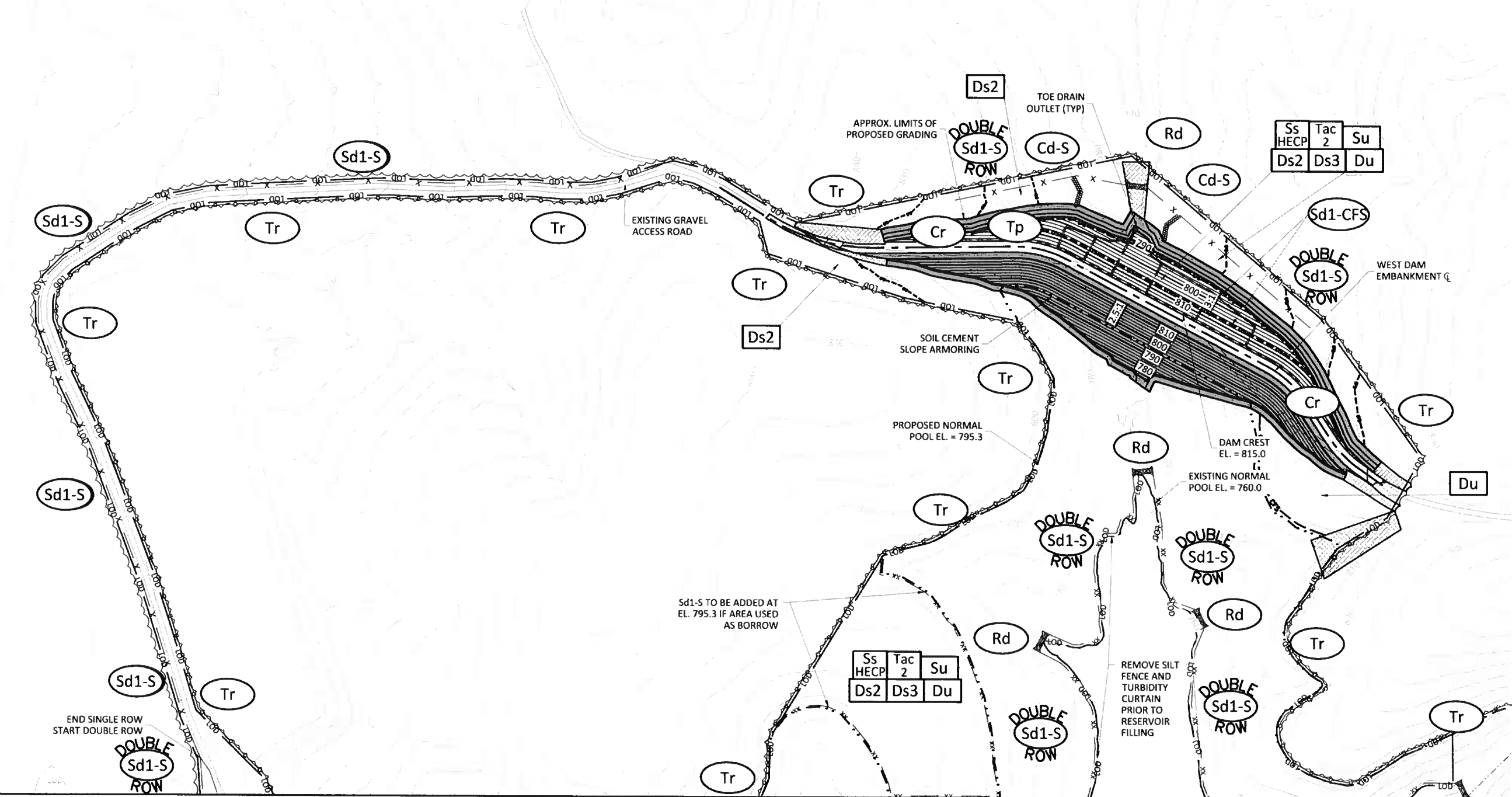
SHEET	NO.	ISSUE	BY	DATE	P&N IOR NO.	
					DDC20643	
ES-13					DAT1	APR 2024
					DESIGNED	GWH
					DRAWN	GHB
					REVISED	
	VERIFY SCALE	1	FILE NAME	CHECKED	CEC	
	Bar is one inch on original drawing. If not one inch on this sheet, adjust scale.					CV-SSP-P-PROP.dwg

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SEQ.	14
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14

ACAD Ref: C3D 2023



NOTES:

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DOUGLASVILLE - DOUGLAS COUNTY WATER & SEWER AUTHORITY
DOG RIVER RESERVOIR EXPANSION PROJECT
NO. 2, RAISING OF DOG RIVER DAM
EROSION SEDIMENT POLLUTION CONTROL PLAN
WEST DAM EMBANKMENT
PHASE 3 - FINAL SITE STABILIZATION PHASE

NO.	ISSUE	BY	DATE	FOR OR NO.
1	ISSUE			DOC20643
2	ISSUE			APR 2024
3	ISSUE			MTM
4	ISSUE			GHB
5	ISSUE			BEK
6	ISSUE			CV-WDE-PL-PROP-SITE.dwg

VERIFIED SCALE 1" = 100' (Bar is one inch on original drawing. If not one inch on this sheet, adjust scale.)
SHEET **ES-14**
SEQ.

GSWCC GEORGIA SOIL AND WATER CONSERVATION COMMISSION
Gregg W. Hudock
Level II Certified Design Professional
CERTIFICATION NUMBER: 0000005752
EXPIRY: 08/29/2021 EXPIRY: 08/29/2024

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