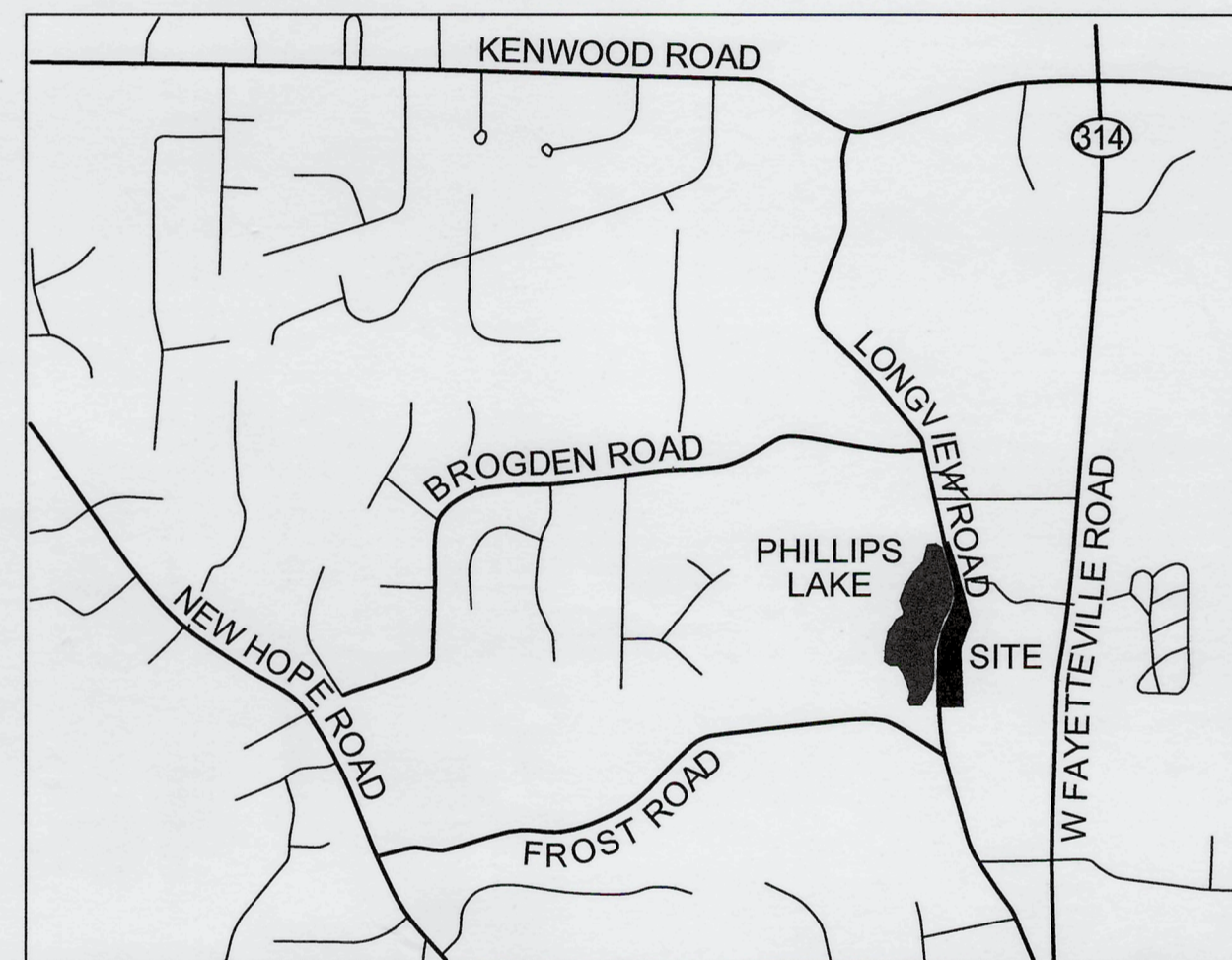


# PHILLIPS LAKE DAM IMPROVEMENT PLANS FAYETTE COUNTY, GEORGIA

## 5th DISTRICT LAND LOT 219

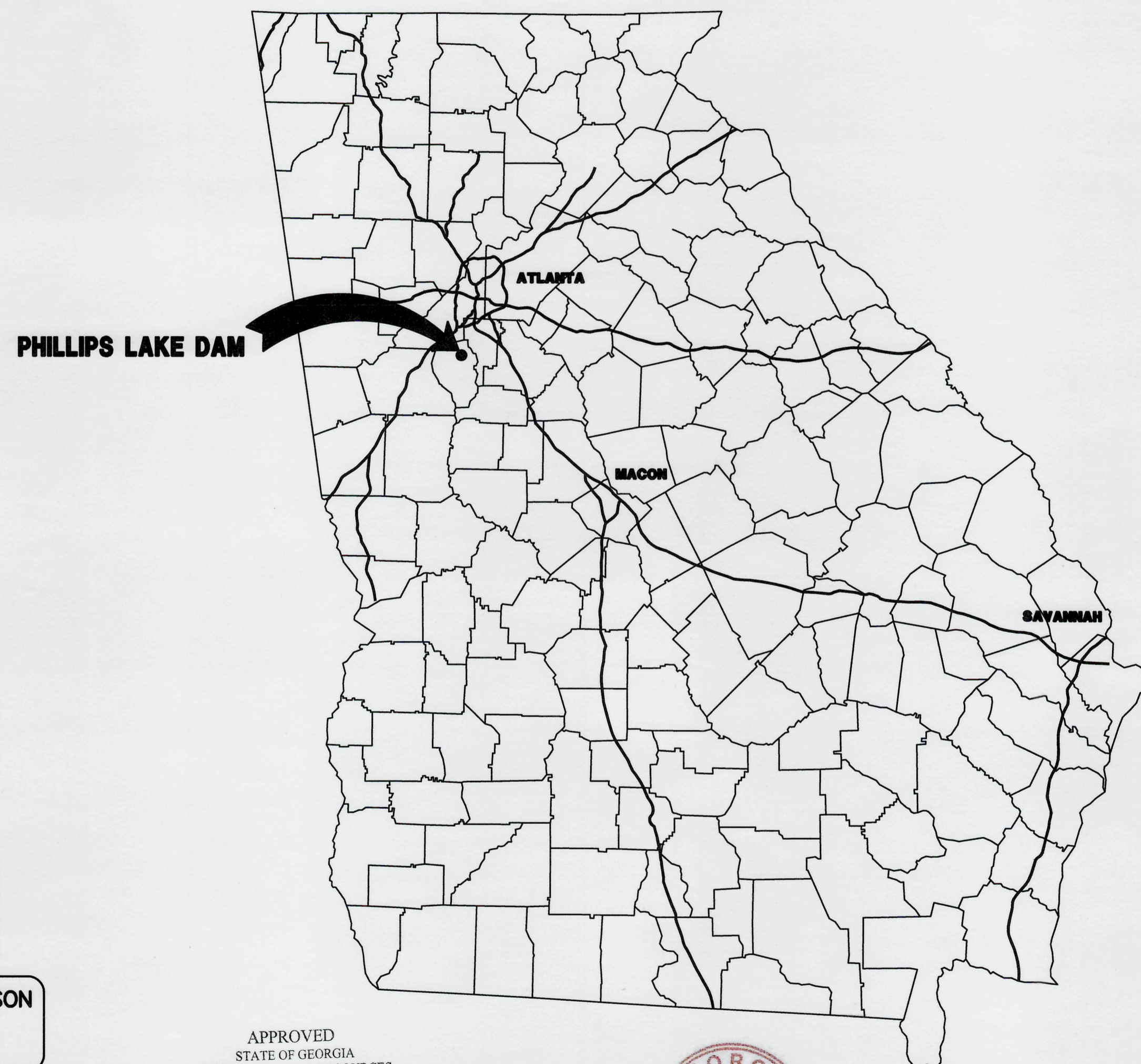
### DRAWING LIST

38046-C-100	DAM IMPROVEMENTS	-	PLOT PLAN
38046-C-101	DAM IMPROVEMENTS	-	RESERVOIR PLAN
38046-C-102	DAM IMPROVEMENTS	-	EXISTING CONDITIONS PLAN
38046-C-103	DAM IMPROVEMENTS	-	DEMOLITION PLAN
38046-C-104	DAM IMPROVEMENTS	-	LAYOUT PLAN
38046-C-105	DAM IMPROVEMENTS	-	UNDERCUT PLAN
38046-C-106	DAM IMPROVEMENTS	-	GRADING PLAN
38046-C-106.1	DAM IMPROVEMENTS	-	CHIMNEY/TOE/FOUNDATION DRAIN PLAN
38046-C-107	DAM IMPROVEMENTS	-	TEMPORARY COFFER DAM
38046-C-108	DAM IMPROVEMENTS	-	UTILITY RELOCATION PLAN
38046-C-109	DAM IMPROVEMENTS	-	PROFILES AND SECTIONS
38046-C-110	DAM IMPROVEMENTS	-	PROFILES AND SECTIONS
38046-C-111	DAM IMPROVEMENTS	-	WATER MAIN PROFILE
38046-C-112	DAM IMPROVEMENTS	-	TOE DRAIN DETAILS
38046-C-113	DAM IMPROVEMENTS	-	MISCELLANEOUS DETAILS
38046-C-114	DAM IMPROVEMENTS	-	WATER SYSTEM NOTES
38046-C-115	DAM IMPROVEMENTS	-	WATER SYSTEM DETAILS
38014-C-200	ES&PC	-	NOTES AND CHECKLIST
38046-C-201	ES&PC	-	MONITORING NOTES
38046-C-202	ES&PC	-	INITIAL PLAN
38046-C-203	ES&PC	-	INTERMEDIATE PLAN
38046-C-204	ES&PC	-	FINAL PLAN
38046-C-205	ES&PC	-	DETAILS
38046-C-206	ES&PC	-	DETAILS
38046-C-207	ES&PC	-	DETAILS
38046-S-300	STRUCTURAL	-	PLAN AND PROFILE
38046-S-301	STRUCTURAL	-	PLAN AND SECTIONS
38046-S-302	STRUCTURAL	-	SECTIONS AND DETAILS
38046-S-303	STRUCTURAL	-	SECTIONS AND DETAILS
38046-S-304	STRUCTURAL	-	MISCELLANEOUS SECTIONS AND DETAILS
38046-S-305	STRUCTURAL	-	GATE CONTROL STRUCTURE
38046-S-306	STRUCTURAL	-	GA DOT STANDARD DETAILS



### LOCATION MAP

N.T.S.  
LAT - 33°29'47.39" N  
LONG - 84°27'11.03" W



### OWNER

FAYETTE COUNTY BOARD OF COMMISSIONERS  
THOMAS CONCRETE OF GEORGIA INC  
140 STONEWALL AVENUE WEST  
FAYETTEVILLE, GEORGIA 30214  
PHONE: (770) 320-6010

24 HR. CONTACT PERSON  
PHIL MALLON  
(770) 313-9855

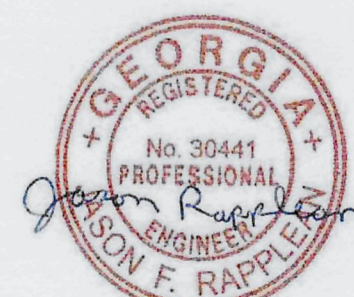
### PROJECT DESIGN ENGINEER

WALDEN, ASHWORTH & ASSOCIATES, INC.  
P.O. BOX 6462  
MARIE TTA, GEORGIA 30065  
(770) 956-7879  
CONTACT: MARTIN L. WALDEN, P.E., E.O.R.

APPROVED  
07/13/2023  
FAYETTE COUNTY  
ENVIRONMENTAL MANAGEMENT

APPROVED  
STATE OF GEORGIA  
DEPT OF NATURAL RESOURCES

AUG 17 2023  
Environmental Protection Division  
Safe Dams Program



ISSUE DATE JANUARY 2020  
REV. DATE JUNE 2023

WALDEN, ASHWORTH & ASSOCIATES, INC.

CONSULTING ENGINEERS  
P.O. BOX 6462  
MARIE TTA, GEORGIA 30065  
WA&A JOB NO. 3804600  
issued: JANUARY 2020  
revised: JUNE 2023



NOTE: EXISTING LAKE IS WITHIN  
FAYETTE COUNTY'S 2013 LIMITED  
DETAILS FLOOD STUDY AND  
ASSOCIATED FLOODPLAIN.

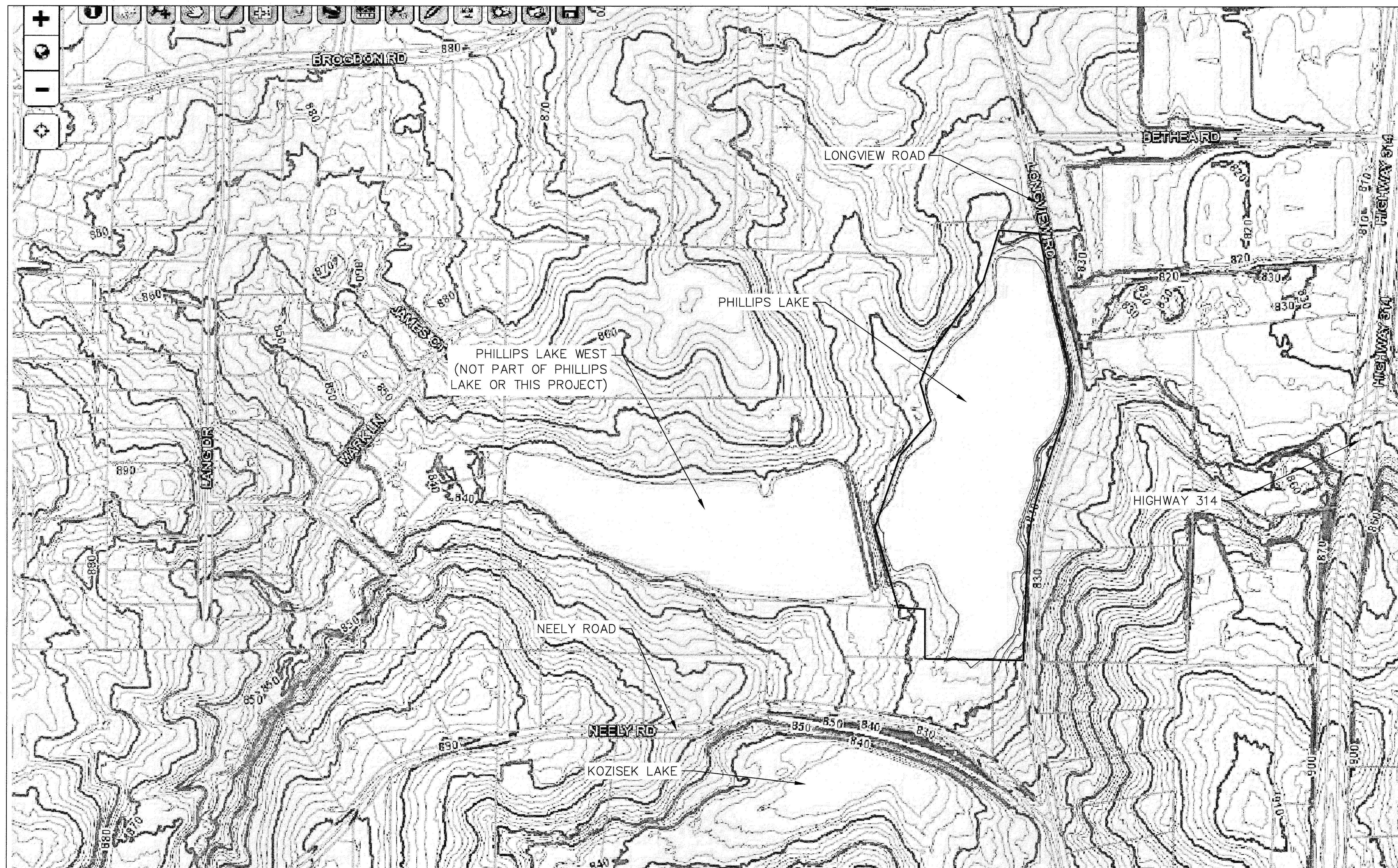
**F.I.R.M. PANEL**

MAP NUMBER 13181C0102E  
SCALE: AS SHOWN



**NOTES**

- SEE DRAWING NO. C-104 FOR GENERAL NOTES
- TOPOGRAPHIC SURVEY PROVIDED BY:  
TERRAMARK LAND SURVEYING, INC.,  
1396 BELLS FERRY ROAD, MARIETTA, GA 30066  
PH.: 770-421-1927  
DATED: MAY 14, 2014.
- THE EXISTING LAKE IS WITHIN FAYETTE COUNTY'S 2013 LIMITED DETAILED FLOOD STUDY AND HAS ASSOCIATED FLOODPLAIN.
- ALL SIGNS AND PAVEMENT MARKING SHALL CONFORM TO STANDARDS ESTABLISHED IN THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES, LATEST EDITION.
- GUARDRAIL, ANCHORAGE, ETC. SHALL CONFORM TO GEORGIA DEPT. OF TRANSPORTATION STANDARDS. LATEST EDITION.



**PRIMARY PERMITTEE**

**OWNER:**  
FAYETTE COUNTY  
BOARD OF COMMISSIONERS  
140 STONEWALL AVENUE WEST  
FAYETTEVILLE, GEORGIA 30214  
CONTACT: MR. PHIL MALLON  
PHONE: (770) 320-6010

**24 HR. CONTACT PERSON**

PHIL MALLON  
(770) 313-9855



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APPROVED  
STATE OF GEORGIA  
DEPT OF NATURAL RESOURCES

AUG 17 2013

*Carl Shepley*  
Environmental Protection Division  
Safe Dams Program

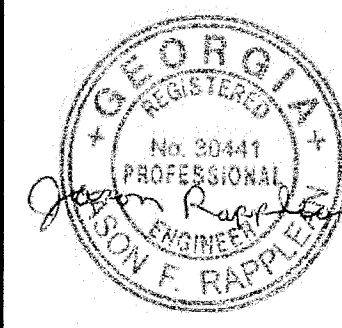
THE SITE IS LOCATED ON LONGVIEW ROAD IN LAND LOT 198 OF FAYETTE COUNTY, FAYETTEVILLE, GEORGIA.

RELEASED FOR CONSTRUCTION  
BY: MARTIN L. WALDEN, P.E. DATE: 9-15-21

**PHILLIPS LAKE  
DAM IMPROVEMENTS  
PLOT PLAN  
FAYETTE COUNTY**



**WALDEN, ASHWORTH & ASSOCIATES, INC.**  
CONSULTING ENGINEERS  
P.O. BOX  
MARIETTA, GEORGIA 30065  
(770) 956 - 7897  
COA: PEF000707 EXP: 06/30/2020



SCALE: 1"=200' DATE  
DESIGN BY: JCL/JMH/JR 12/20  
DRAWN BY: JCL/JMH/JR 12/20  
CHECKED BY: MLW/JR 12/20  
COA: PEF00707 EXP: 06/30/2024  
JASON RAPPLEAN, VP, PE, EOR  
LEVEL 2 CERTIFICATION # 3031  
EXPIRATION DATE: 12/07/23  
6/25/23

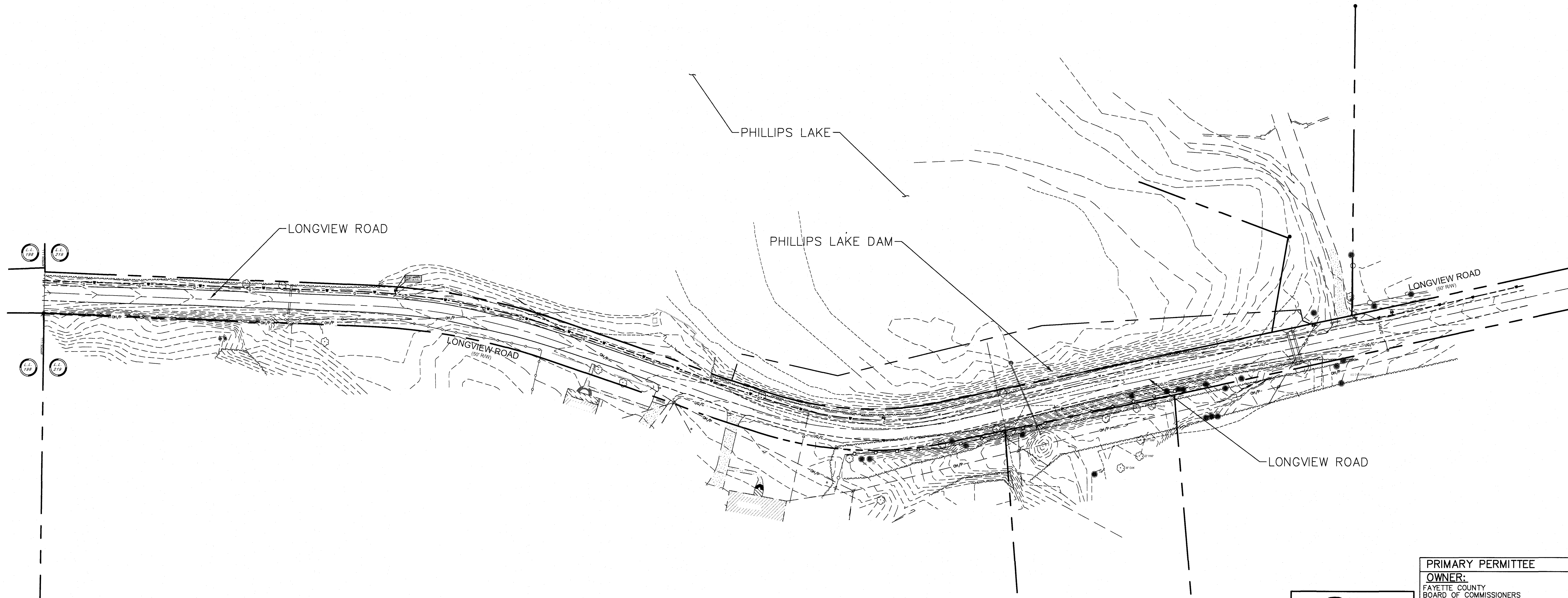
NO.	REVISIONS	MADE	CHK.	DATE	NO.	REVISIONS	MADE	CHK.	DATE
1	REV. LEVEL 2 PROFESSIONAL AND EOR	JH	JR	6/25/23					

JOB NO. 3804600  
DRAWING NUMBER **38046-C-100**  
REV. NO. **1**





1. SEE DRAWING NO. C-103 FOR GENERAL NOTES
2. TOPOGRAPHIC SURVEY PROVIDED BY:  
TERRAMARK LAND SURVEYING, INC.,  
1396 BELLS FERRY ROAD, MARIETTA, GA 30066  
PH.: 770-421-1927  
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5. GUARDRAIL, ANCHORAGE, ETC. SHALL CONFORM TO GEORGIA DEPT. OF TRANSPORTATION STANDARDS. LATEST EDITION.



APPROVED  
STATE OF GEORGIA  
DEPT OF NATURAL RESOURCES

AUG 17 2023

Environmental Protection Division  
Safe Dams Program

**PRIMARY PERMITTEE**  
**OWNER:**  
FAYETTE COUNTY  
BOARD OF COMMISSIONERS  
140 STONEWALL AVENUE WEST  
FAYETTEVILLE, GEORGIA 30214  
CONTACT: MR. PHIL MALLON  
PHONE: (770) 320-6010

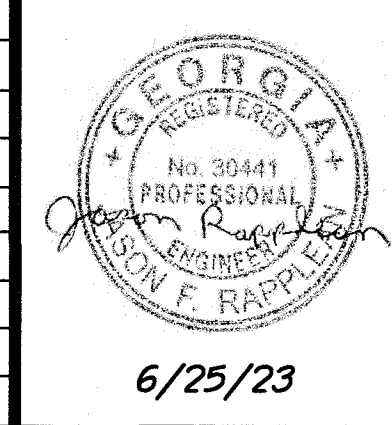
**811**  
Know what's below.  
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**24 HR. CONTACT PERSON**  
PHIL MALLON  
(770) 313-9855

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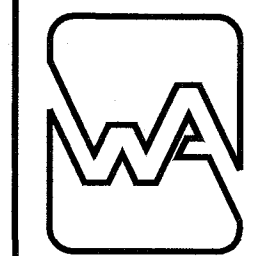
RELEASED FOR CONSTRUCTION  
BY: MARTIN L. WALDEN, P.E. DATE: 9-15-21

APPROVED															
07/13/2023															
FAYETTE COUNTY															
ENVIRONMENTAL MANAGEMENT															
1	△	REV. LEVEL 2 PROFESSIONAL AND EOR		JH	JR	6/25/23									
NO.		REVISIONS		MADE	CKD.	DATE	NO.		REVISIONS		MADE	CKD.	DATE		



SCALE: 1"=60'	DATE
DESIGN BY: JCL/JMH/JR	12/20
DRAWN BY: JCL/JMH/JR	12/20
CHECKED BY: MLW/JR	12/20
COA: PEF00707	EXP: 06/30/2024
JASON RAPPLEAN, VP, PE, EOR	
LEVEL 2 CERTIFICATION # 3031	
EXPIRATION DATE: 12/07/23	

**PHILLIPS LAKE  
DAM IMPROVEMENTS  
RESERVOIR PLAN  
FAYETTE COUNTY**

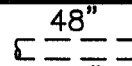
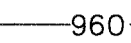
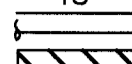
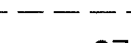

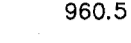





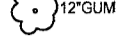

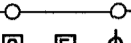

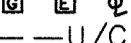
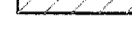
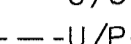





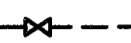
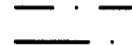
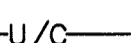

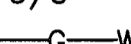






**WALDEN, ASHWORTH & ASSOCIATES, INC.**  
CONSULTING ENGINEERS  
P.O. BOX  
MARIETTA, GEORGIA 30065  
(770) 956 - 7897  
COA: PEF00707 EXP: 06/30/2020

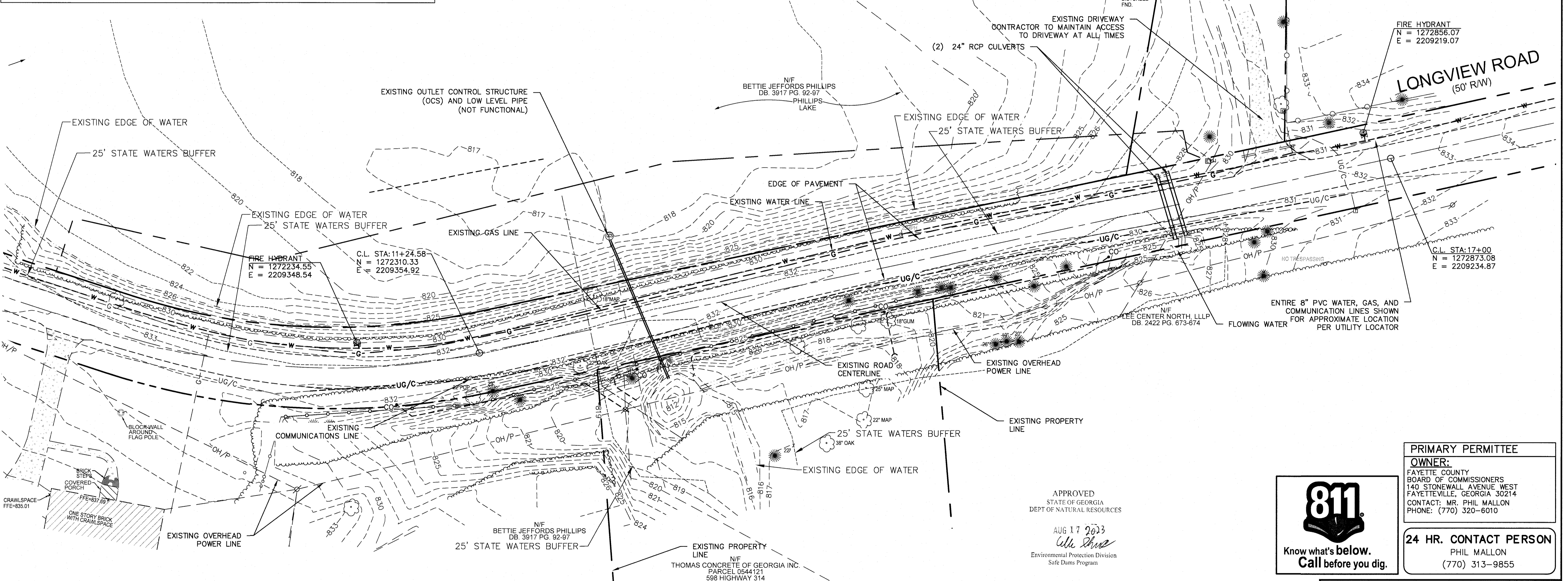
JOB NO. 3804600  
DRAWING NUMBER **38046- C-101**  
REV. NO. **1**

**NOTES**

- SEE DRAWING NO. C-104 FOR GENERAL NOTES
- TOPOGRAPHIC SURVEY PROVIDED BY: TERRAMARK LAND SURVEYING, INC., 1396 BELLS FERRY ROAD, MARIETTA, GA 30066 PH: 770-421-1927 DATED: MAY 14, 2014.
- THE EXISTING LAKE IS WITHIN FAYETTE COUNTY'S 2013 LIMITED DETAILED FLOOD STUDY AND HAS ASSOCIATED FLOODPLAIN.
- ALL SIGNS AND PAVEMENT MARKING SHALL CONFORM TO STANDARDS ESTABLISHED IN THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES, LATEST EDITION.
- GUARDRAIL, ANCHORAGE, ETC. SHALL CONFORM TO GEORGIA DEPT. OF TRANSPORTATION STANDARDS. LATEST EDITION.

	EXISTING STORM SEWER		EXISTING 10' CONTOUR
	PROPOSED STORM SEWER		EXISTING 2' CONTOUR
	PROPOSED WATER SURFACE (C-100)		PROPOSED CONTOUR
	WETLANDS		EXISTING SPOT ELEVATION
	RIPRAP AND/OR WAVE PROTECTION		PROPOSED SPOT ELEVATION
	EXISTING CONCRETE		EXISTING TREE LINE
	ASPHALT DRIVE (PVMT REPLACEMENT)		EXISTING TREE (HARDWOOD AND PINE)
	BUILDING		EXISTING FENCE
	GUARDRAIL		EX. UTILITY BOXES, LIGHTS, POLES, ETC.
	RETAINING WALL		UNDERGROUND COMMUNICATION LINE
	PERMANENT EASEMENT		UNDERGROUND POWER LINE
	LIMITS OF DISTURBANCE		GAS LINE
	RIGHT OF WAY		WATER LINE
	STATE WATERS BUFFER LIMITS		WATER VALVE AND FIREHYDRANT
	NORMAL POOL (DATE OF SURVEY)		PROPOSED UNDERGROUND UTILITY LINE (WATER, POWER, GAS, ETC.)
			EXISTING SLOPE LINE
			PROPOSED SLOPE LINE

NOTE: EXISTING FEATURES, SHOWN IN THE ABOVE LEGEND OR NOT, ARE DENOTED WITH DASHED AND/OR SCREENED LINES AND PROPOSED FEATURES ARE DENOTED WITH SOLID AND/OR DARKER LINES. SOME LINES AND TEXT MAY BE THICKER, LIGHTER AND/OR DARKER ON THE FOLLOWING SHEETS, AS NECESSARY DEPENDING UPON WHAT THE SHEET'S PRIMARY PURPOSE IS.



**PRIMARY PERMITTEE OWNER:**  
 FAYETTE COUNTY BOARD OF COMMISSIONERS  
 140 STONEWALL AVENUE WEST  
 FAYETTEVILLE, GEORGIA 30214  
 CONTACT: MR. PHIL MALLON  
 PHONE: (770) 320-6010

**24 HR. CONTACT PERSON**  
 PHIL MALLON  
 (770) 313-9855



APPROVED  
 STATE OF GEORGIA  
 DEPT OF NATURAL RESOURCES  
 AUG 17 2023  
*Walden Ashworth*  
 Environmental Protection Division  
 Safe Dams Program

RELEASED FOR CONSTRUCTION  
 BY: MARTIN L. WALDEN, P.E. DATE: 9-15-21

THE SITE IS LOCATED ON LONGVIEW ROAD IN LAND LOT 198 OF FAYETTE COUNTY, FAYETTEVILLE, GEORGIA.

APPROVED 07/13/2023 FAYETTE COUNTY ENVIRONMENTAL MANAGEMENT											
1	REV. LEVEL 2 PROFESSIONAL AND EOR	JH	JR	6/25/23							
NO.	REVISIONS	MADE	CKD.	DATE	NO.	REVISIONS	MADE	CKD.	DATE		



SCALE: 1"=30'	DATE
DESIGN BY: JCL/JMH/JR	12/20
DRAWN BY: JCL/JMH/JR	12/20
CHECKED BY: MLW/JR	12/20
COA: PEF00707	EXP: 06/30/2024
JASON RAPPLEAN, VP, PE, EOR LEVEL 2 CERTIFICATION # 3031 EXPIRATION DATE: 12/07/23	

**PHILLIPS LAKE  
 DAM IMPROVEMENTS  
 EXISTING CONDITIONS  
 FAYETTE COUNTY**

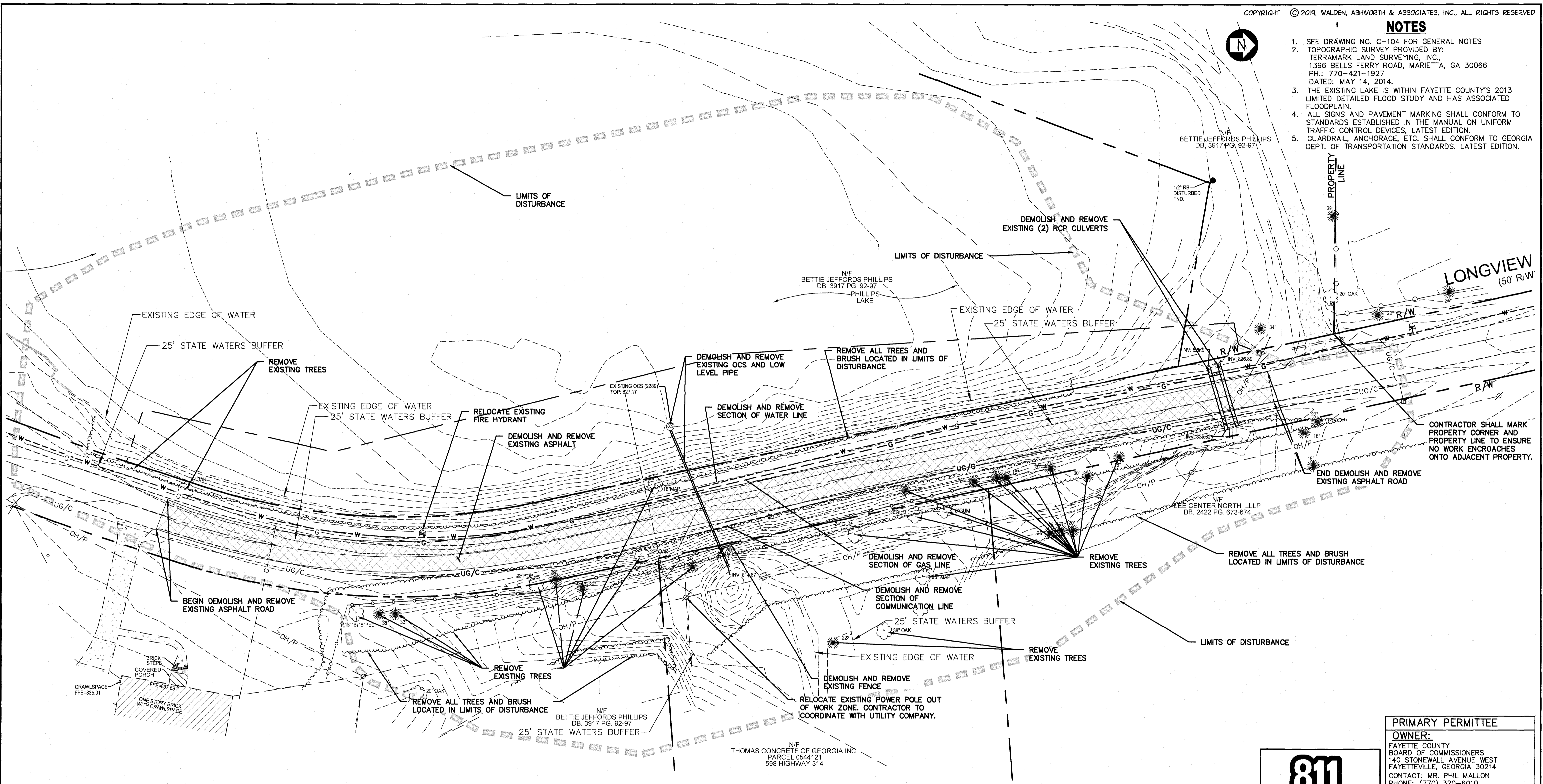
**WALDEN, ASHWORTH & ASSOCIATES, INC.**  
 CONSULTING ENGINEERS  
 P.O. BOX  
 MARIETTA, GEORGIA 30065  
 (770) 956-7897  
 COA: PEF000707 EXP: 06/30/2020

JOB NO. 3804600  
 DRAWING NUMBER **38046-C-102**  
 REV. NO. **1**



**NOTES**

- SEE DRAWING NO. C-104 FOR GENERAL NOTES
- TOPOGRAPHIC SURVEY PROVIDED BY:  
TERRAMARK LAND SURVEYING, INC.,  
1396 BELLS FERRY ROAD, MARIETTA, GA 30066  
PH: 770-421-1927  
DATED: MAY 14, 2014.
- THE EXISTING LAKE IS WITHIN FAYETTE COUNTY'S 2013 LIMITED DETAILED FLOOD STUDY AND HAS ASSOCIATED FLOODPLAIN.
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- GUARDRAIL, ANCHORAGE, ETC. SHALL CONFORM TO GEORGIA DEPT. OF TRANSPORTATION STANDARDS. LATEST EDITION.



CONTRACTOR SHALL MARK PROPERTY CORNER AND PROPERTY LINE TO ENSURE NO WORK ENCROACHES ONTO ADJACENT PROPERTY.

APPROVED  
STATE OF GEORGIA  
DEPT OF NATURAL RESOURCES

AUG 17 2023  
*Walter Phillips*  
Environmental Protection Division  
Safe Dams Program

**PRIMARY PERMITTEE**  
**OWNER:**  
FAYETTE COUNTY  
BOARD OF COMMISSIONERS  
140 STONEWALL AVENUE WEST  
FAYETTEVILLE, GEORGIA 30214  
CONTACT: MR. PHIL MALLON  
PHONE: (770) 320-6010

**24 HR. CONTACT PERSON**  
PHIL MALLON  
(770) 313-9855

**RELEASED FOR CONSTRUCTION**  
BY: MARTIN L. WALDEN, P.E. DATE: 9-15-21

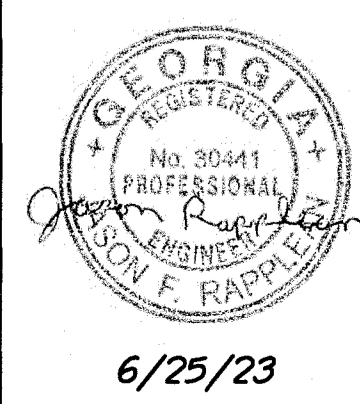
THE SITE IS LOCATED ON LONGVIEW ROAD IN LAND LOT 198 OF FAYETTE COUNTY, FAYETTEVILLE, GEORGIA.

**PHILLIPS LAKE  
DAM IMPROVEMENTS  
DEMOLITION PLAN  
FAYETTE COUNTY**

**WALDEN, ASHWORTH & ASSOCIATES, INC.**  
CONSULTING ENGINEERS  
P.O. BOX  
MARIETTA, GEORGIA 30065  
(770) 956 - 7897  
COA: PEF000707 EXP: 06/30/2020

JOB NO. 3804600 DRAWING NUMBER **38046- C-103** REV. NO. 1

SCALE: 1"=30'	DATE
DESIGN BY: JCL/JMH/JR	12/20
DRAWN BY: JCL/JMH/JR	12/20
CHECKED BY: MLW/JR	12/20
COA: PEF00707 EXP: 06/30/2024	
JASON RAPPLEAN, VP, PE, EOR LEVEL 2 CERTIFICATION # 3031 EXPIRATION DATE: 12/07/23	



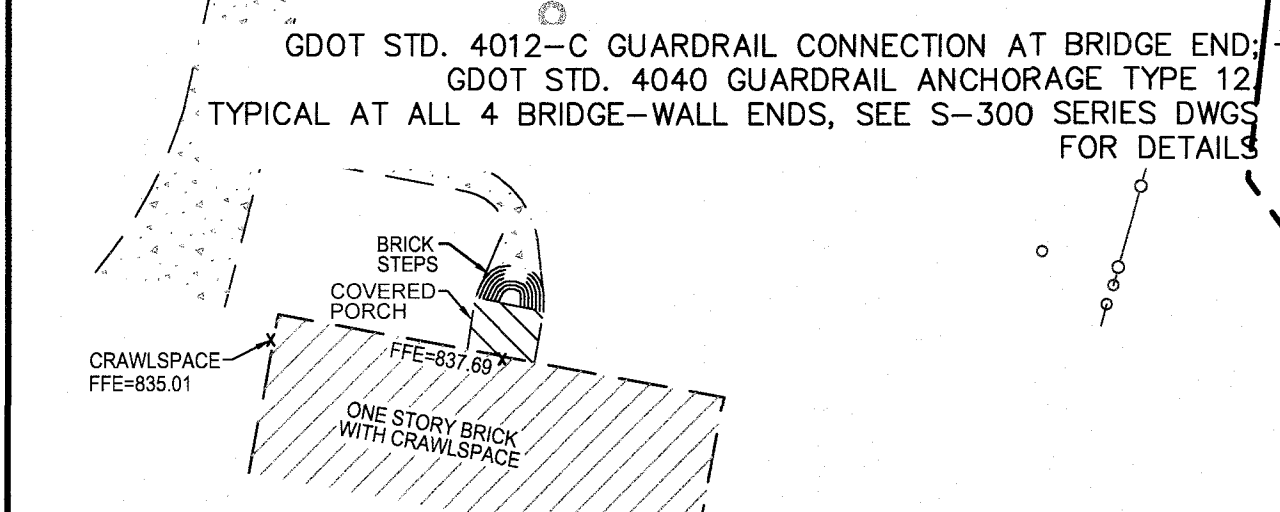
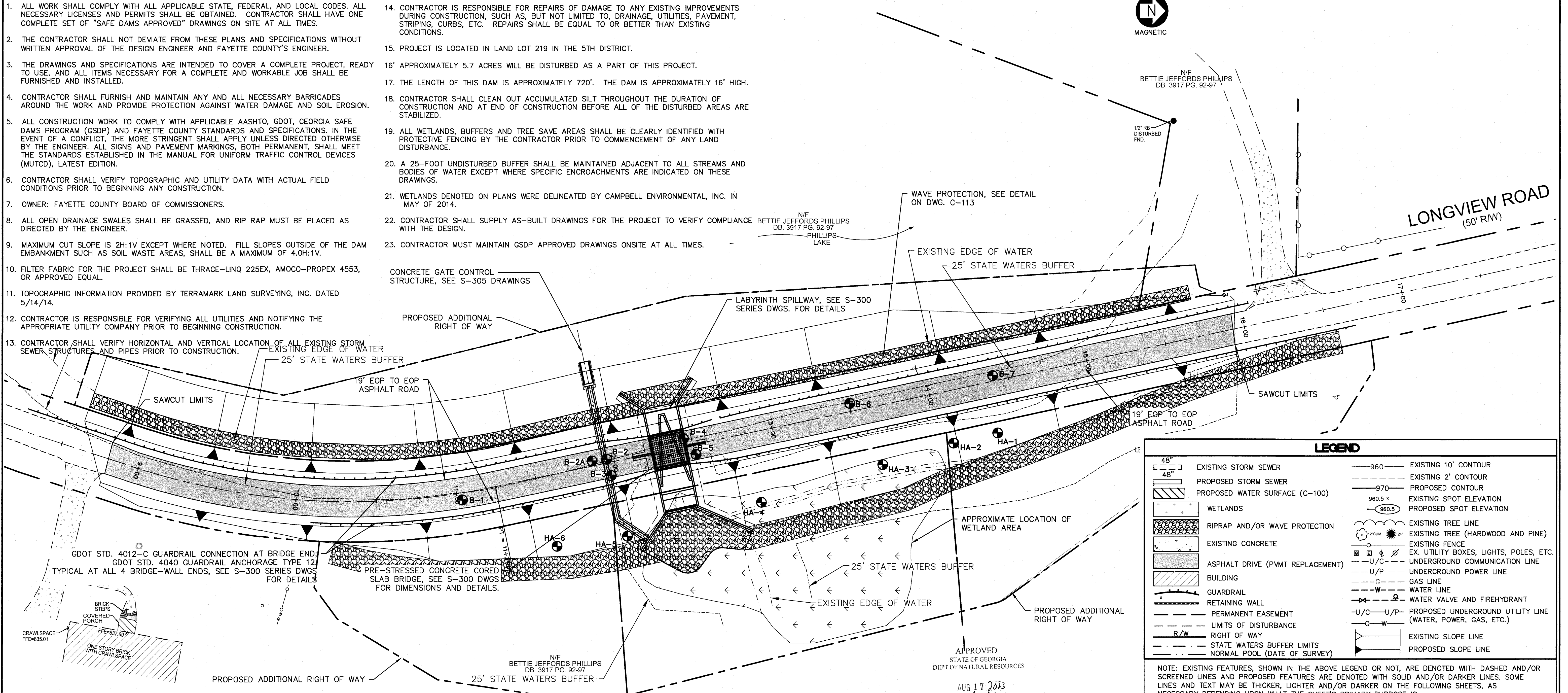
APPROVED 07/13/2023 FAYETTE COUNTY ENVIRONMENTAL MANAGEMENT									
1	REV. LEVEL 2 PROFESSIONAL AND EOR	JH	JR	6/25/23					
NO.	REVISIONS	MADE	CKD.	DATE	NO.	REVISIONS	MADE	CKD.	DATE



**GENERAL NOTES**

- ALL WORK SHALL COMPLY WITH ALL APPLICABLE STATE, FEDERAL, AND LOCAL CODES. ALL NECESSARY LICENSES AND PERMITS SHALL BE OBTAINED. CONTRACTOR SHALL HAVE ONE COMPLETE SET OF "SAFE DAMS APPROVED" DRAWINGS ON SITE AT ALL TIMES.
- THE CONTRACTOR SHALL NOT DEVIATE FROM THESE PLANS AND SPECIFICATIONS WITHOUT WRITTEN APPROVAL OF THE DESIGN ENGINEER AND FAYETTE COUNTY'S ENGINEER.
- THE DRAWINGS AND SPECIFICATIONS ARE INTENDED TO COVER A COMPLETE PROJECT, READY TO USE, AND ALL ITEMS NECESSARY FOR A COMPLETE AND WORKABLE JOB SHALL BE FURNISHED AND INSTALLED.
- CONTRACTOR SHALL FURNISH AND MAINTAIN ANY AND ALL NECESSARY BARRICADES AROUND THE WORK AND PROVIDE PROTECTION AGAINST WATER DAMAGE AND SOIL EROSION.
- ALL CONSTRUCTION WORK TO COMPLY WITH APPLICABLE AASHTO, GDOT, GEORGIA SAFE DAMS PROGRAM (GSDP) AND FAYETTE COUNTY STANDARDS AND SPECIFICATIONS. IN THE EVENT OF A CONFLICT, THE MORE STRINGENT SHALL APPLY UNLESS DIRECTED OTHERWISE BY THE ENGINEER. ALL SIGNS AND PAVEMENT MARKINGS, BOTH PERMANENT, SHALL MEET THE STANDARDS ESTABLISHED IN THE MANUAL FOR UNIFORM TRAFFIC CONTROL DEVICES (MUTCD), LATEST EDITION.
- CONTRACTOR SHALL VERIFY TOPOGRAPHIC AND UTILITY DATA WITH ACTUAL FIELD CONDITIONS PRIOR TO BEGINNING ANY CONSTRUCTION.
- OWNER: FAYETTE COUNTY BOARD OF COMMISSIONERS.
- ALL OPEN DRAINAGE SWALES SHALL BE GRASSED, AND RIP RAP MUST BE PLACED AS DIRECTED BY THE ENGINEER.
- MAXIMUM CUT SLOPE IS 2H:1V EXCEPT WHERE NOTED. FILL SLOPES OUTSIDE OF THE DAM EMBANKMENT SUCH AS SOIL WASTE AREAS, SHALL BE A MAXIMUM OF 4.0H:1V.
- FILTER FABRIC FOR THE PROJECT SHALL BE THRACE-LINQ 225EX, AMOCO-PROPEX 4553, OR APPROVED EQUAL.
- TOPOGRAPHIC INFORMATION PROVIDED BY TERRAMARK LAND SURVEYING, INC. DATED 5/14/14.
- CONTRACTOR IS RESPONSIBLE FOR VERIFYING ALL UTILITIES AND NOTIFYING THE APPROPRIATE UTILITY COMPANY PRIOR TO BEGINNING CONSTRUCTION.
- CONTRACTOR SHALL VERIFY HORIZONTAL AND VERTICAL LOCATION OF ALL EXISTING STORM SEWER STRUCTURES AND PIPES PRIOR TO CONSTRUCTION.
- CONTRACTOR IS RESPONSIBLE FOR REPAIRS OF DAMAGE TO ANY EXISTING IMPROVEMENTS DURING CONSTRUCTION, SUCH AS, BUT NOT LIMITED TO, DRAINAGE, UTILITIES, PAVEMENT, STRIPING, CURBS, ETC. REPAIRS SHALL BE EQUAL TO OR BETTER THAN EXISTING CONDITIONS.
- PROJECT IS LOCATED IN LAND LOT 219 IN THE 5TH DISTRICT.
- APPROXIMATELY 5.7 ACRES WILL BE DISTURBED AS A PART OF THIS PROJECT.
- THE LENGTH OF THIS DAM IS APPROXIMATELY 720'. THE DAM IS APPROXIMATELY 16' HIGH.
- CONTRACTOR SHALL CLEAN OUT ACCUMULATED SILT THROUGHOUT THE DURATION OF CONSTRUCTION AND AT END OF CONSTRUCTION BEFORE ALL OF THE DISTURBED AREAS ARE STABILIZED.
- ALL WETLANDS, BUFFERS AND TREE SAVE AREAS SHALL BE CLEARLY IDENTIFIED WITH PROTECTIVE FENCING BY THE CONTRACTOR PRIOR TO COMMENCEMENT OF ANY LAND DISTURBANCE.
- A 25-FOOT UNDISTURBED BUFFER SHALL BE MAINTAINED ADJACENT TO ALL STREAMS AND BODIES OF WATER EXCEPT WHERE SPECIFIC ENCROACHMENTS ARE INDICATED ON THESE DRAWINGS.
- WETLANDS DENOTED ON PLANS WERE DELINEATED BY CAMPBELL ENVIRONMENTAL, INC. IN MAY OF 2014.
- CONTRACTOR SHALL SUPPLY AS-BUILT DRAWINGS FOR THE PROJECT TO VERIFY COMPLIANCE WITH THE DESIGN.
- CONTRACTOR MUST MAINTAIN GSDP APPROVED DRAWINGS ONSITE AT ALL TIMES.

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STORM	INCOMING FLOW (CFS)	TOP OF DAM EL. 831.4		TOP OF DAM EL. 832.0	
		EXISTING OUTFLOW (CFS)	EXISTING W.S. ELEV. (FT)	PROPOSED OUTFLOW (CFS)	PROPOSED W.S. ELEV. (FT)
2 YEAR	101	13	827.8	13	827.8
5 YEAR	150	23	828.4	20	828.2
10 YEAR	195	37	829.2	30	828.7
25 YEAR	280	58	830.9	43	829.4
50 YEAR	325	99	831.5	80	829.7
100 YEAR	507	212	831.8	145	830.0
1/4 PMP	1006	732	832.3	360	830.5

DESIGN INFORMATION		
	EXISTING	PROPOSED
TOP OF DAM ELEVATION	= 831.4	832.0
EXISTING NORMAL POOL ELEV.	= 826.9	826.9
100 YEAR POOL ELEVATION	= 831.8	830.0
1/4 PMP POOL ELEVATION	= 832.3	830.5
SURFACE AREA AT NORMAL POOL	= 16.2 ACRES	16.2 ACRES
STORAGE AT NORMAL POOL	= 82.0 ACRE FEET	82.0 ACRE FEET
SURFACE AREA AT TOP OF DAM	= 24.0 ACRES	25.0 ACRES
STORAGE AT TOP OF DAM	= 186.5 ACRE FEET	186.5 ACRE FEET
DRAINAGE BASIN	= 1,3016 SQ. MILES	1,3016 SQ. MILES
HEIGHT OF DAM	= 16 FEET	17 FEET
LENGTH OF DAM	= 775 ± FEET	775 ± FEET

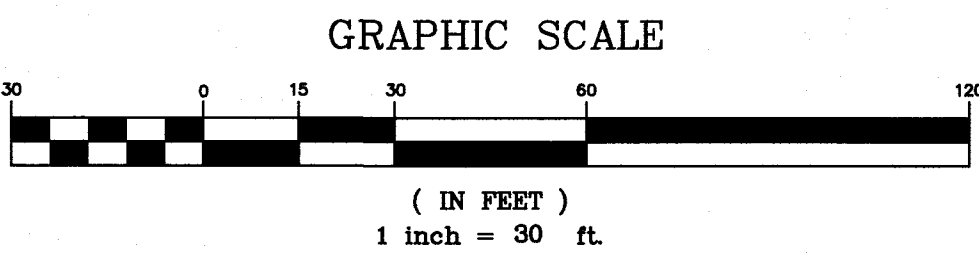
★ DENOTES OVERTOPPING

- GEOTECHNICAL NOTES**
- ALL FILL MATERIAL SHALL CONSIST OF CLEAN SOILS, FREE OF DEBRIS, ORGANICS AND ROCK PARTICLES LARGER THAN THREE INCHES IN DIAMETER. FILL SHALL BE PLACED IN MAXIMUM SIX TO EIGHT INCH LIFTS (LOOSE MEASURE). SELECT FILL TO HAVE USCS CLASSIFICATION CL, ML & SC; WITH MINIMUM 30% PASSING #200 SIEVE.
  - ALL FILL MATERIAL FOR THE DAM EMBANKMENT SHALL BE APPROVED BY THE GEOTECHNICAL ENGINEER AND SHALL BE COMPACTED TO AT LEAST 95% OF THE SOIL'S STANDARD PROCTOR MAXIMUM DRY DENSITY AT A MOISTURE CONTENT RANGING AT OR ABOVE SOIL'S OPTIMUM MOISTURE, EXCEPT ABOVE ELEVATION 830 BENEATH PAVEMENT SURFACES.
  - IN AREAS TO RECEIVE FILL, STRIPPING IN THE FOOTPRINT OF DAM WILL BE INCLUDED IN THE UNDERCUT. UNDERCUT QUANTITIES SHALL BE MEASURED FROM THE EXISTING GROUND SURFACE AFTER CLEARING AND GRUBBING HAS BEEN COMPLETED.

**LEGEND**

	EXISTING STORM SEWER		EXISTING 10' CONTOUR
	PROPOSED STORM SEWER		EXISTING 2' CONTOUR
	PROPOSED WATER SURFACE (C-100)		PROPOSED CONTOUR
	WETLANDS		EXISTING SPOT ELEVATION
	RIPRAP AND/OR WAVE PROTECTION		PROPOSED SPOT ELEVATION
	EXISTING CONCRETE		EXISTING TREE LINE
	ASPHALT DRIVE (PVMT REPLACEMENT)		EXISTING FENCE
	BUILDING		EX. UTILITY BOXES, LIGHTS, POLES, ETC.
	GUARDRAIL		UNDERGROUND COMMUNICATION LINE
	RETAINING WALL		UNDERGROUND POWER LINE
	PERMANENT EASEMENT		GAS LINE
	LIMITS OF DISTURBANCE		WATER LINE
	RIGHT OF WAY		WATER VALVE AND FIREHYDRANT
	R/W		PROPOSED UNDERGROUND UTILITY LINE (WATER, POWER, GAS, ETC.)
	STATE WATERS BUFFER LIMITS		EXISTING SLOPE LINE
	NORMAL POOL (DATE OF SURVEY)		PROPOSED SLOPE LINE

NOTE: EXISTING FEATURES, SHOWN IN THE ABOVE LEGEND OR NOT, ARE DENOTED WITH DASHED AND/OR SCREENED LINES AND PROPOSED FEATURES ARE DENOTED WITH SOLID AND/OR DARKER LINES. SOME LINES AND TEXT MAY BE THICKER, LIGHTER AND/OR DARKER ON THE FOLLOWING SHEETS, AS NECESSARY DEPENDING UPON WHAT THE SHEET'S PRIMARY PURPOSE IS.



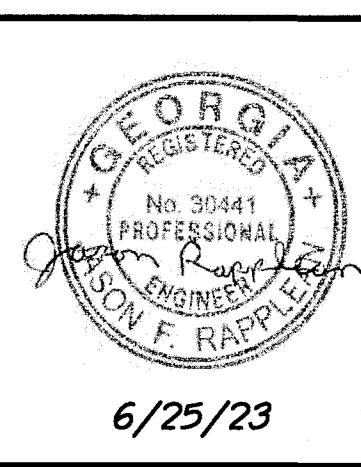
**PRIMARY PERMITTEE OWNER:**  
 FAYETTE COUNTY BOARD OF COMMISSIONERS  
 140 STONEWALL AVENUE WEST  
 FAYETTEVILLE, GEORGIA 30214  
 CONTACT: MR. PHIL MALLON  
 PHONE: (770) 320-6010

**24 HR. CONTACT PERSON**  
 PHIL MALLON  
 (770) 313-9855



RELEASED FOR CONSTRUCTION  
 BY: MARTIN L. WALDEN, P.E. DATE: 9-15-21

APPROVED 07/13/2023 FAYETTE COUNTY ENVIRONMENTAL MANAGEMENT				
NO.	REVISIONS	MADE	CHKD.	DATE
1	REV. LEVEL 2 PROFESSIONAL AND EOR	JH	JR	6/25/23



SCALE: 1"=30'	DATE
DESIGN BY: JCL/JMH/JR	12/20
DRAWN BY: JCL/JMH/JR	12/20
CHECKED BY: MLW/JR	12/20
COA: PEF00707	EXP: 06/30/2024
JASON RAPPLEAN, VP, PE, EOR LEVEL 2 CERTIFICATION # 3031 EXPIRATION DATE: 12/07/23	

THE SITE IS LOCATED ON LONGVIEW ROAD IN LAND LOT 198 OF FAYETTE COUNTY, FAYETTEVILLE, GEORGIA.

**PHILLIPS LAKE DAM IMPROVEMENTS LAYOUT PLAN**

**FAYETTE COUNTY**



**WALDEN, ASHWORTH & ASSOCIATES, INC.**  
 CONSULTING ENGINEERS  
 P.O. BOX  
 MARIETTA, GEORGIA 30065  
 (770) 856 - 7897  
 COA: PEF00707 EXP: 06/30/2020

JOB NO. 3804600	DRAWING NUMBER 38046-C-104	REV. NO. 1
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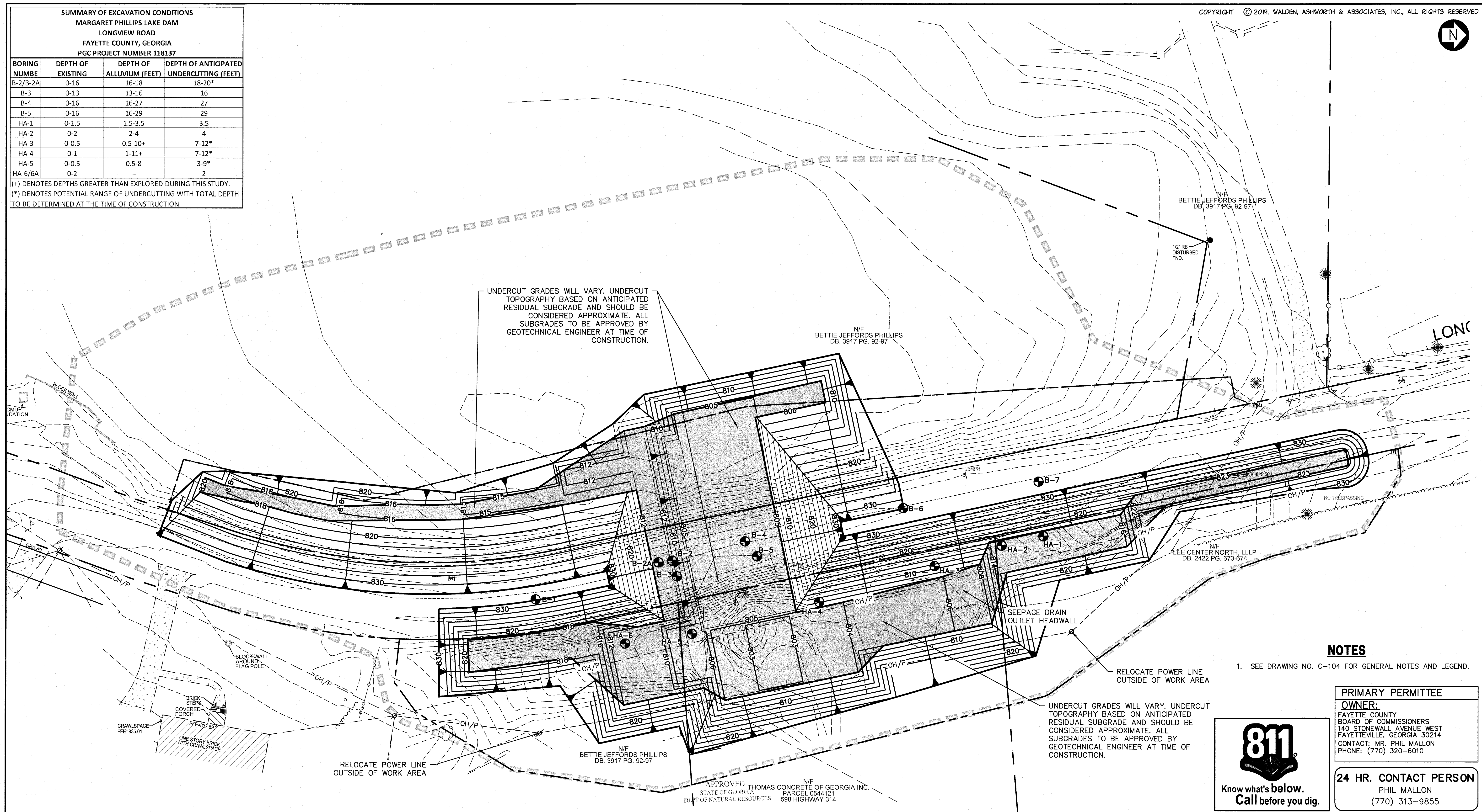




**SUMMARY OF EXCAVATION CONDITIONS**  
**MARGARET PHILLIPS LAKE DAM**  
**LONGVIEW ROAD**  
**FAYETTE COUNTY, GEORGIA**  
**PGC PROJECT NUMBER 118137**

BORING NUMBE	DEPTH OF EXISTING	DEPTH OF ALLUVIUM (FEET)	DEPTH OF ANTICIPATED UNDERCUTTING (FEET)
B-2/B-2A	0-16	16-18	18-20*
B-3	0-13	13-16	16
B-4	0-16	16-27	27
B-5	0-16	16-29	29
HA-1	0-1.5	1.5-3.5	3.5
HA-2	0-2	2-4	4
HA-3	0-0.5	0.5-10+	7-12*
HA-4	0-1	1-11+	7-12*
HA-5	0-0.5	0.5-8	3-9*
HA-6/6A	0-2	-	2

(+) DENOTES DEPTHS GREATER THAN EXPLORED DURING THIS STUDY.  
 (\*) DENOTES POTENTIAL RANGE OF UNDERCUTTING WITH TOTAL DEPTH TO BE DETERMINED AT THE TIME OF CONSTRUCTION.



**NOTES**

- SEE DRAWING NO. C-104 FOR GENERAL NOTES AND LEGEND.

**PRIMARY PERMITTEE**  
**OWNER:**  
 FAYETTE COUNTY BOARD OF COMMISSIONERS  
 140 STONEWALL AVENUE WEST  
 FAYETTEVILLE, GEORGIA 30214  
 CONTACT: MR. PHIL MALLON  
 PHONE: (770) 320-6010

**24 HR. CONTACT PERSON**  
 PHIL MALLON  
 (770) 313-9855

APPROVED THOMAS CONCRETE N/F  
 STATE OF GEORGIA PARCEL 0544121  
 DEPT. OF NATURAL RESOURCES 598 HIGHWAY 314

AUG 17 2023  
 Environmental Protection Division  
 Safe Dams Program

THE SITE IS LOCATED ON LONGVIEW ROAD IN LAND LOT 198 OF FAYETTE COUNTY, FAYETTEVILLE, GEORGIA.

RELEASED FOR CONSTRUCTION  
 BY: MARTIN L. WALDEN, P.E. DATE: 9-15-21

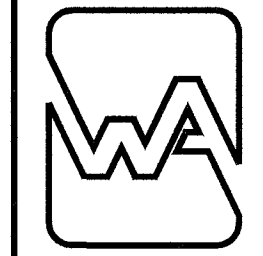
NO.	REVISIONS	MADE	CHKD.	DATE	NO.	REVISIONS	MADE	CHKD.	DATE
1	REV. LEVEL 2 PROFESSIONAL AND EOR	JH	JR	6/25/23					

APPROVED  
 07/13/2023  
 FAYETTE COUNTY  
 ENVIRONMENTAL MANAGEMENT



SCALE: 1"=30'  
 DESIGN BY: JCL/JMH/JR 12/20  
 DRAWN BY: JCL/JMH/JR 12/20  
 CHECKED BY: MLW/JR 12/20  
 COA: PEF00707 EXP: 06/30/2024  
 JASON RAPPLEAN, VP, PE, EOR  
 LEVEL 2 CERTIFICATION # 3031  
 EXPIRATION DATE: 12/07/23

**PHILLIPS LAKE DAM IMPROVEMENTS UNDERCUT PLAN FAYETTE COUNTY**



**WALDEN, ASHWORTH & ASSOCIATES, INC.**  
 CONSULTING ENGINEERS  
 P.O. BOX  
 MARIETTA, GEORGIA 30065  
 (770) 956-7897  
 COA: PEF00707 EXP: 06/30/2020

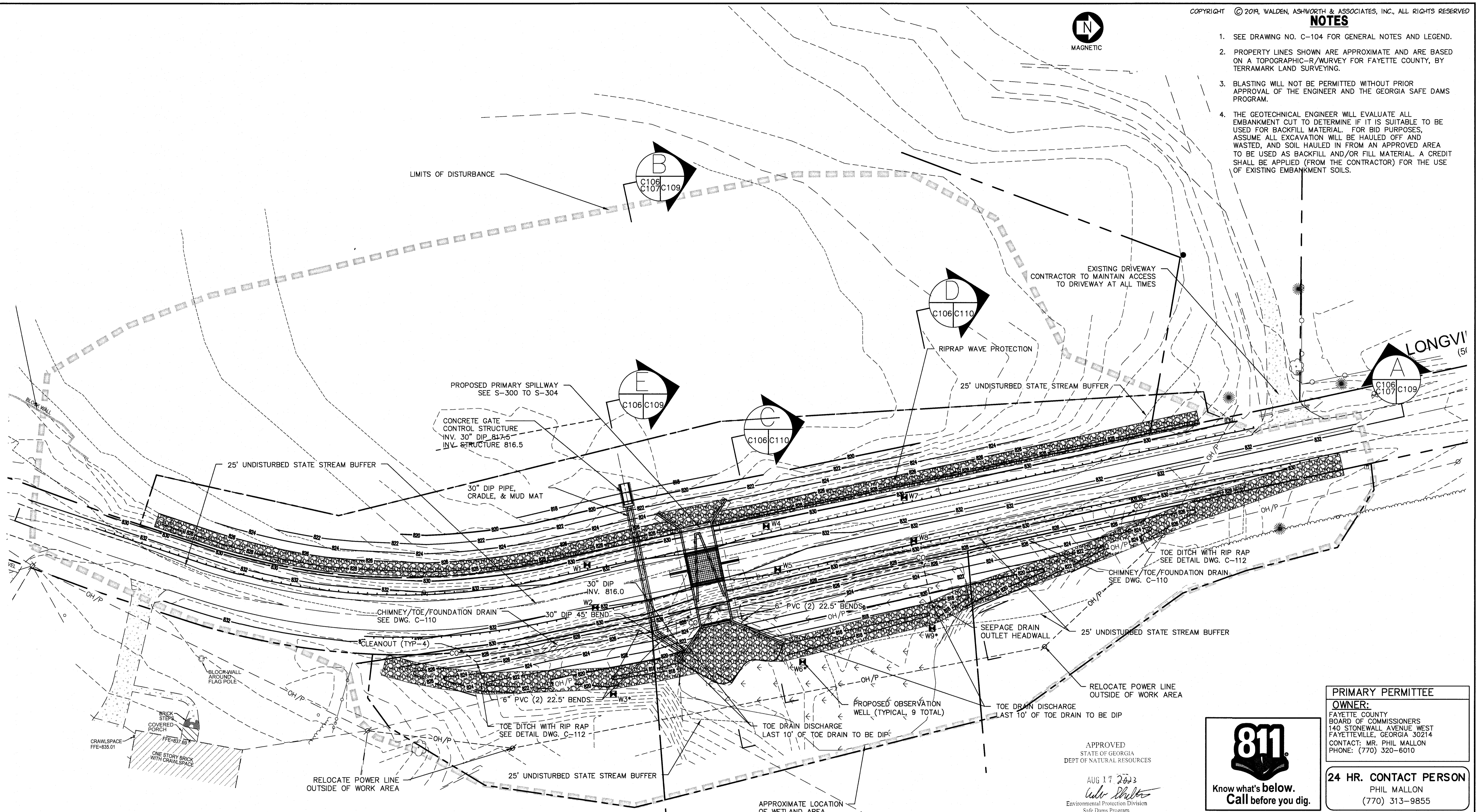
JOB NO. 3804600  
 DRAWING NUMBER **38046-C-105**  
 REV. NO. **1**





**NOTES**

1. SEE DRAWING NO. C-104 FOR GENERAL NOTES AND LEGEND.
2. PROPERTY LINES SHOWN ARE APPROXIMATE AND ARE BASED ON A TOPOGRAPHIC-R/WURVEY FOR FAYETTE COUNTY, BY TERRAMARK LAND SURVEYING.
3. BLASTING WILL NOT BE PERMITTED WITHOUT PRIOR APPROVAL OF THE ENGINEER AND THE GEORGIA SAFE DAMS PROGRAM.
4. THE GEOTECHNICAL ENGINEER WILL EVALUATE ALL EMBANKMENT CUT TO DETERMINE IF IT IS SUITABLE TO BE USED FOR BACKFILL MATERIAL. FOR BID PURPOSES, ASSUME ALL EXCAVATION WILL BE HAULED OFF AND WASTED, AND SOIL HAULED IN FROM AN APPROVED AREA TO BE USED AS BACKFILL AND/OR FILL MATERIAL. A CREDIT SHALL BE APPLIED (FROM THE CONTRACTOR) FOR THE USE OF EXISTING EMBANKMENT SOILS.



**PRIMARY PERMITTEE**  
**OWNER:**  
 FAYETTE COUNTY  
 BOARD OF COMMISSIONERS  
 140 STONEWALL AVENUE WEST  
 FAYETTEVILLE, GEORGIA 30214  
 CONTACT: MR. PHIL MALLON  
 PHONE: (770) 320-6010

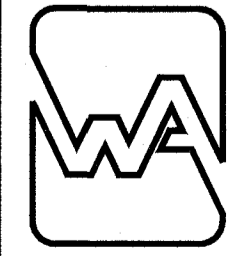
**24 HR. CONTACT PERSON**  
 PHIL MALLON  
 (770) 313-9855

APPROVED  
 STATE OF GEORGIA  
 DEPT OF NATURAL RESOURCES  
 AUG 17 2023  
*Walden Ashworth*  
 Environmental Protection Division  
 Safe Dams Program

RELEASED FOR CONSTRUCTION  
 BY: MARTIN L. WALDEN, P.E. DATE: 9-15-21

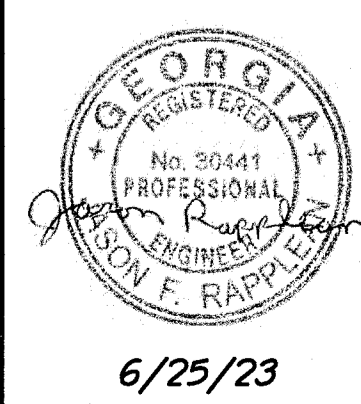
THE SITE IS LOCATED ON LONGVIEW ROAD IN LAND LOT 198 OF FAYETTE COUNTY, FAYETTEVILLE, GEORGIA.

**PHILLIPS LAKE  
 DAM IMPROVEMENTS  
 GRADING PLAN  
 FAYETTE COUNTY**



**WALDEN, ASHWORTH & ASSOCIATES, INC.**  
 CONSULTING ENGINEERS  
 P.O. BOX  
 MARETTA, GEORGIA 30065  
 (770) 956-7897  
 COA: PEF000707 EXP: 06/30/2020

SCALE: 1"=30'	DATE
DESIGN BY: JCL/JMH/JR	12/20
DRAWN BY: JCL/JMH/JR	12/20
CHECKED BY: MLW/JR	12/20
COA: PEF00707	EXP: 06/30/2024
JASON RAPPLEAN, VP, PE, EOR LEVEL 2 CERTIFICATION # 3031 EXPIRATION DATE: 12/07/23	



APPROVED 07/13/2023 FAYETTE COUNTY ENVIRONMENTAL MANAGEMENT																			
NO.	REVISIONS	MADE	CHK.	DATE	NO.	REVISIONS	MADE	CHK.	DATE	NO.	REVISIONS	MADE	CHK.	DATE	NO.	REVISIONS	MADE	CHK.	DATE
1	REV. LEVEL 2 PROFESSIONAL AND EOR	JH	JR	6/25/23															

JOB NO. 3804600  
 DRAWING NUMBER **38046- C-106**  
 REV. NO. **1**







**NOTE:**  
COFFER DAM MUST BE IN PLACE PRIOR TO ANY EXCAVATION FOR LABYRINTH WEIR CONSTRUCTION.

**NOTE:**  
TEMPORARY COFFER DAM TO PROTECT WORK AREA DURING CONSTRUCTION. COFFER DAM SHALL BE DESIGNED BY GA PE, DESIGN CALCULATIONS AND SHOP DWG SHALL BE SUBMITTED TO THE ENGINEER FOR REVIEW. TEMPORARY COFFER DAM SHALL BE REMOVED AFTER CONSTRUCTION IS COMPLETED.

**NOTE:**  
CONTRACTOR SHALL BE RESPONSIBLE FOR COFFER DAM DESIGN INCLUDING LOCATION. THIS PROJECT MAY REQUIRE THE USE OF STEEL SHEET PILES FOR PORTIONS OR ALL OF THE COFFER DAM.

APPROX. WATER SURFACE ELEVATION FOR VARIOUS STORMS WITH 30" DIP CULVERT (24 HR. STORM) AT COFFER DAM

STORM RETURN (YEAR)	FLOW INTO RESERVOIR (CFS)	PROJECTED W.S. ELEVATION
2	97	820.6
5	162	821.6
10	220	822.8
25	279	824.1
50	324	825.1
100	385	826.3

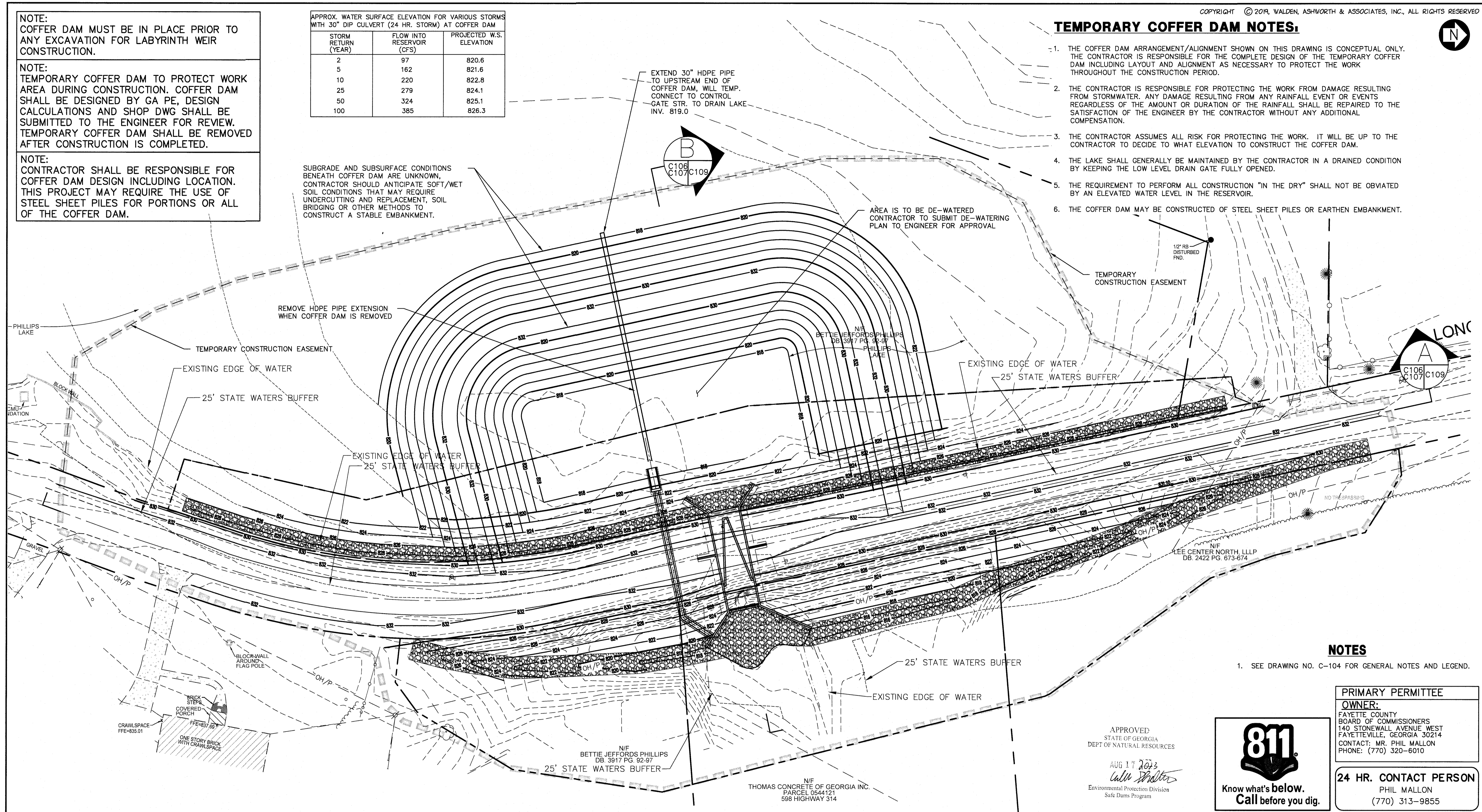
**TEMPORARY COFFER DAM NOTES:**

1. THE COFFER DAM ARRANGEMENT/ALIGNMENT SHOWN ON THIS DRAWING IS CONCEPTUAL ONLY. THE CONTRACTOR IS RESPONSIBLE FOR THE COMPLETE DESIGN OF THE TEMPORARY COFFER DAM INCLUDING LAYOUT AND ALIGNMENT AS NECESSARY TO PROTECT THE WORK THROUGHOUT THE CONSTRUCTION PERIOD.
2. THE CONTRACTOR IS RESPONSIBLE FOR PROTECTING THE WORK FROM DAMAGE RESULTING FROM STORMWATER. ANY DAMAGE RESULTING FROM ANY RAINFALL EVENT OR EVENTS REGARDLESS OF THE AMOUNT OR DURATION OF THE RAINFALL SHALL BE REPAIRED TO THE SATISFACTION OF THE ENGINEER BY THE CONTRACTOR WITHOUT ANY ADDITIONAL COMPENSATION.
3. THE CONTRACTOR ASSUMES ALL RISK FOR PROTECTING THE WORK. IT WILL BE UP TO THE CONTRACTOR TO DECIDE TO WHAT ELEVATION TO CONSTRUCT THE COFFER DAM.
4. THE LAKE SHALL GENERALLY BE MAINTAINED BY THE CONTRACTOR IN A DRAINED CONDITION BY KEEPING THE LOW LEVEL DRAIN GATE FULLY OPENED.
5. THE REQUIREMENT TO PERFORM ALL CONSTRUCTION "IN THE DRY" SHALL NOT BE OBIATED BY AN ELEVATED WATER LEVEL IN THE RESERVOIR.
6. THE COFFER DAM MAY BE CONSTRUCTED OF STEEL SHEET PILES OR EARTHEN EMBANKMENT.

SUBGRADE AND SUBSURFACE CONDITIONS BENEATH COFFER DAM ARE UNKNOWN, CONTRACTOR SHOULD ANTICIPATE SOFT/WET SOIL CONDITIONS THAT MAY REQUIRE UNDERCUTTING AND REPLACEMENT, SOIL BRIDGING OR OTHER METHODS TO CONSTRUCT A STABLE EMBANKMENT.

EXTEND 30" HDPE PIPE TO UPSTREAM END OF COFFER DAM, WILL TEMP. CONNECT TO CONTROL GATE STR. TO DRAIN LAKE INV. 819.0

AREA IS TO BE DE-WATERED CONTRACTOR TO SUBMIT DE-WATERING PLAN TO ENGINEER FOR APPROVAL



**NOTES**

1. SEE DRAWING NO. C-104 FOR GENERAL NOTES AND LEGEND.

**PRIMARY PERMITTEE**  
**OWNER:**  
FAYETTE COUNTY  
BOARD OF COMMISSIONERS  
140 STONEWALL AVENUE WEST  
FAYETTEVILLE, GEORGIA 30214  
CONTACT: MR. PHIL MALLON  
PHONE: (770) 320-6010

**24 HR. CONTACT PERSON**  
PHIL MALLON  
(770) 313-9855



APPROVED  
STATE OF GEORGIA  
DEPT OF NATURAL RESOURCES  
  
AUG 17 2023  
*Calvin Whittier*  
Environmental Protection Division  
Safe Dams Program

THE SITE IS LOCATED ON LONGVIEW ROAD IN LAND LOT 198 OF FAYETTE COUNTY, FAYETTEVILLE, GEORGIA.

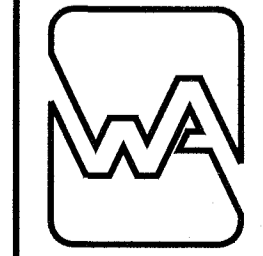
RELEASED FOR CONSTRUCTION  
BY: MARTIN L. WALDEN, P.E. DATE: 9-15-21

NO.	REVISIONS	MADE	CHKD.	DATE	NO.	REVISIONS	MADE	CHKD.	DATE
1	REV. LEVEL 2 PROFESSIONAL AND EOR	JH	JR	6/25/23					



SCALE: 1"=30'  
DATE: 6/25/23  
DESIGN BY: JCL/JMH/JR 12/20  
DRAWN BY: JCL/JMH/JR 12/20  
CHECKED BY: MLW/JR 12/20  
COA: PEF00707 EXP: 06/30/2024  
JASON RAPPLEAN, VP, PE, EOR  
LEVEL 2 CERTIFICATION # 3031  
EXPIRATION DATE: 12/07/23

**PHILLIPS LAKE  
DAM IMPROVEMENTS  
TEMPORARY COFFER DAM  
FAYETTE COUNTY**



**WALDEN, ASHWORTH & ASSOCIATES, INC.**  
CONSULTING ENGINEERS  
P.O. BOX  
MARIETTA, GEORGIA 30065  
(770) 956 - 7897  
COA: PEF000707 EXP: 06/30/2020

JOB NO. 3804600  
DRAWING NUMBER **38046-C-107**  
REV. NO. **1**





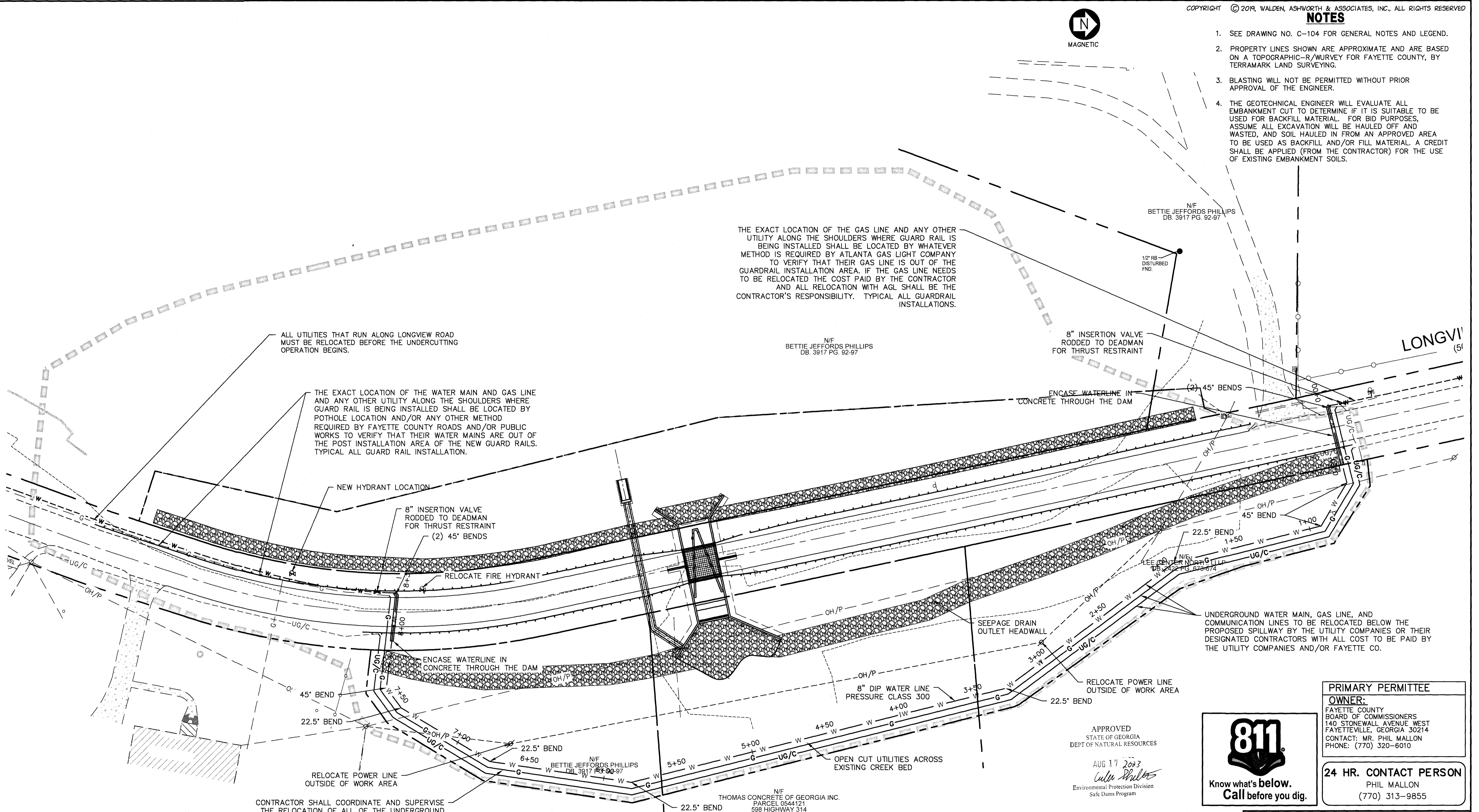
**NOTES**

1. SEE DRAWING NO. C-104 FOR GENERAL NOTES AND LEGEND.
2. PROPERTY LINES SHOWN ARE APPROXIMATE AND ARE BASED ON A TOPOGRAPHIC-R/WURVEY FOR FAYETTE COUNTY, BY TERRAMARK LAND SURVEYING.
3. BLASTING WILL NOT BE PERMITTED WITHOUT PRIOR APPROVAL OF THE ENGINEER.
4. THE GEOTECHNICAL ENGINEER WILL EVALUATE ALL EMBANKMENT CUT TO DETERMINE IF IT IS SUITABLE TO BE USED FOR BACKFILL MATERIAL. FOR BID PURPOSES, ASSUME ALL EXCAVATION WILL BE HAULED OFF AND WASTED, AND SOIL HAULED IN FROM AN APPROVED AREA TO BE USED AS BACKFILL AND/OR FILL MATERIAL. A CREDIT SHALL BE APPLIED (FROM THE CONTRACTOR) FOR THE USE OF EXISTING EMBANKMENT SOILS.

THE EXACT LOCATION OF THE GAS LINE AND ANY OTHER UTILITY ALONG THE SHOULDERS WHERE GUARD RAIL IS BEING INSTALLED SHALL BE LOCATED BY WHATEVER METHOD IS REQUIRED BY ATLANTA GAS LIGHT COMPANY TO VERIFY THAT THEIR GAS LINE IS OUT OF THE GUARDRAIL INSTALLATION AREA. IF THE GAS LINE NEEDS TO BE RELOCATED THE COST PAID BY THE CONTRACTOR AND ALL RELOCATION WITH AGL SHALL BE THE CONTRACTOR'S RESPONSIBILITY. TYPICAL ALL GUARDRAIL INSTALLATIONS.

ALL UTILITIES THAT RUN ALONG LONGVIEW ROAD MUST BE RELOCATED BEFORE THE UNDERCUTTING OPERATION BEGINS.

THE EXACT LOCATION OF THE WATER MAIN AND GAS LINE AND ANY OTHER UTILITY ALONG THE SHOULDERS WHERE GUARD RAIL IS BEING INSTALLED SHALL BE LOCATED BY POTHOLE LOCATION AND/OR ANY OTHER METHOD REQUIRED BY FAYETTE COUNTY ROADS AND/OR PUBLIC WORKS TO VERIFY THAT THEIR WATER MAINS ARE OUT OF THE POST INSTALLATION AREA OF THE NEW GUARD RAILS. TYPICAL ALL GUARD RAIL INSTALLATION.



CONTRACTOR SHALL COORDINATE AND SUPERVISE THE RELOCATION OF ALL OF THE UNDERGROUND UTILITIES WITHIN THE WORK AREA

**PRIMARY PERMITTEE**  
**OWNER:**  
 FAYETTE COUNTY  
 BOARD OF COMMISSIONERS  
 140 STONEWALL AVENUE WEST  
 FAYETTEVILLE, GEORGIA 30214  
 CONTACT: MR. PHIL MALLON  
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**24 HR. CONTACT PERSON**  
 PHIL MALLON  
 (770) 313-9855

APPROVED  
 STATE OF GEORGIA  
 DEPT. OF NATURAL RESOURCES  
 AUG 17 2023  
*[Signature]*  
 Environmental Protection Division  
 Safe Dams Program



THE SITE IS LOCATED ON LONGVIEW ROAD IN LAND LOT 198 OF FAYETTE COUNTY, FAYETTEVILLE, GEORGIA.

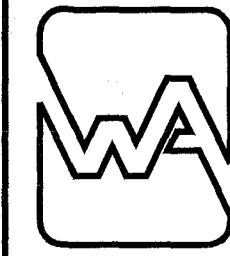
RELEASED FOR CONSTRUCTION  
 BY: MARTIN L. WALDEN, P.E. DATE: 9-15-21

NO.	REVISIONS	MADE	CKD.	DATE	NO.	REVISIONS	MADE	CKD.	DATE
1	REV. LEVEL 2 PROFESSIONAL AND EOR	JH	JR	6/25/23					



SCALE: 1"=30'	DATE
DESIGN BY: JCL/JMH/JR	12/20
DRAWN BY: JCL/JMH/JR	12/20
CHECKED BY: MLW/JR	12/20
COA: PEF00707	EXP: 06/30/2024
JASON RAPPLEAN, VP, PE, EOR LEVEL 2 CERTIFICATION # 3031 EXPIRATION DATE: 12/07/23	

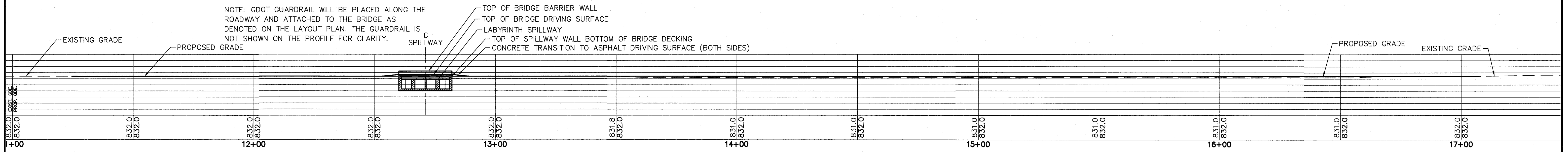
**PHILLIPS LAKE  
 DAM IMPROVEMENTS  
 UTILITY RELOCATION PLAN  
 FAYETTE COUNTY**



**WALDEN, ASHWORTH & ASSOCIATES, INC.**  
 CONSULTING ENGINEERS  
 P.O. BOX  
 MARIETTA, GEORGIA 30065  
 (770) 956-7897  
 COA: PEF00707 EXP: 06/30/2020

JOB NO. 3804600 DRAWING NUMBER **38046- C-108** REV. NO. **1**

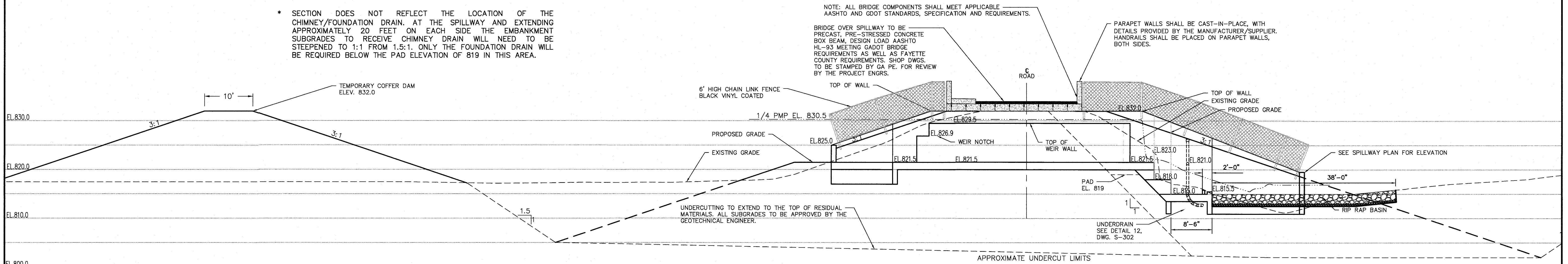




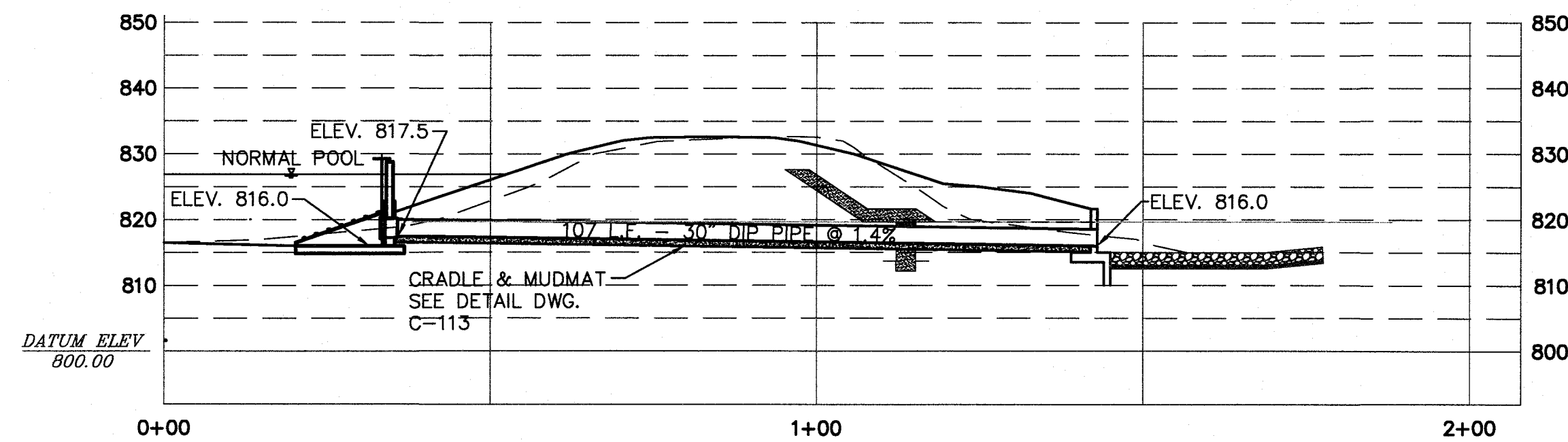
**A** CENTERLINE PROFILE  
 C105 C108 C109 SCALE: 1" = 20' HORZ. & VERT. LOOKING UPSTREAM

\* SECTION DOES NOT REFLECT THE LOCATION OF THE CHIMNEY/FOUNDATION DRAIN. AT THE SPILLWAY AND EXTENDING APPROXIMATELY 20 FEET ON EACH SIDE THE EMBANKMENT SUBGRADES TO RECEIVE CHIMNEY DRAIN WILL NEED TO BE STEEPENED TO 1:1 FROM 1.5:1. ONLY THE FOUNDATION DRAIN WILL BE REQUIRED BELOW THE PAD ELEVATION OF 819 IN THIS AREA.

NOTE: ALL BRIDGE COMPONENTS SHALL MEET APPLICABLE AASHTO AND GDOT STANDARDS, SPECIFICATION AND REQUIREMENTS.



**B** SPILLWAY AND TEMPORARY COFFER DAM SECTION  
 C105 C106 C109 SCALE: 1" = 10' HORZ. & VERT.



**E** DRAW DOWN PIPE PROFILE  
 C106 C108 SCALE: 1" = 20' HORZ. & VERT.

APPROVED  
 STATE OF GEORGIA  
 DEPT OF NATURAL RESOURCES

AUG 17 2023  
*Walden Ashworth*  
 Environmental Protection Division  
 Safe Dams Program



PRIMARY PERMITTEE  
**OWNER:**  
 FAYETTE COUNTY  
 BOARD OF COMMISSIONERS  
 140 STONEWALL AVENUE WEST  
 FAYETTEVILLE, GEORGIA 30214  
 CONTACT: MR. PHIL MALLON  
 PHONE: (770) 320-6010

**24 HR. CONTACT PERSON**  
 PHIL MALLON  
 (770) 313-9855

THE SITE IS LOCATED ON LONGVIEW ROAD IN LAND LOT 198 OF FAYETTE COUNTY, FAYETTEVILLE, GEORGIA.

RELEASED FOR CONSTRUCTION  
 BY: MARTIN L. WALDEN, P.E. DATE: 9-15-21

APPROVED 07/13/2023 FAYETTE COUNTY ENVIRONMENTAL MANAGEMENT																				
1	REV. LEVEL 2 PROFESSIONAL AND EOR	JH	JR	6/25/23																
NO.	REVISIONS	MADE	CKD.	DATE	NO.	REVISIONS	MADE	CKD.	DATE											

SCALE: AS SHOWN DATE  
 DESIGN BY: JCL/JMH/JR 12/20  
 DRAWN BY: JCL/JMH/JR 12/20  
 CHECKED BY: MLW/JR 12/20  
 COA: PEF00707 EXP: 06/30/2024

JASON RAPPLEAN, VP, PE, EOR  
 LEVEL 2 CERTIFICATION # 3031  
 EXPIRATION DATE: 12/07/23

6/25/23

**PHILLIPS LAKE  
 DAM IMPROVEMENTS  
 PROFILES AND SECTIONS  
 FAYETTE COUNTY**

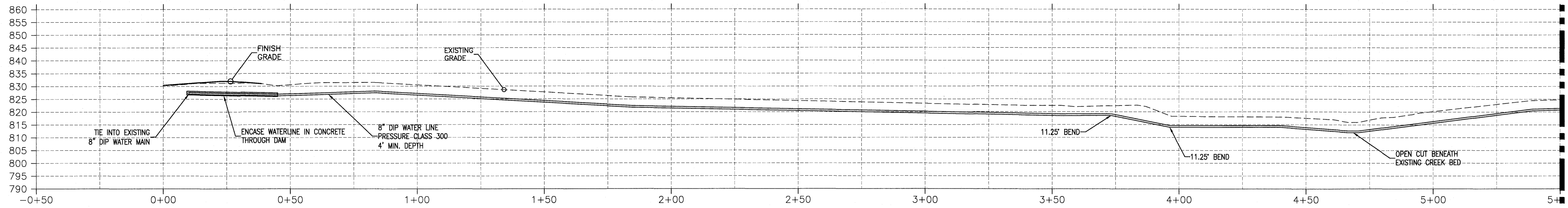
**WALDEN, ASHWORTH & ASSOCIATES, INC.**  
 CONSULTING ENGINEERS  
 P.O. BOX  
 MARIETTA, GEORGIA 30065  
 (770) 956-7897  
 COA: PEF00707 EXP: 06/30/2020

JOB NO. 3804600 DRAWING NUMBER **38046-C-109** REV. NO. **1**



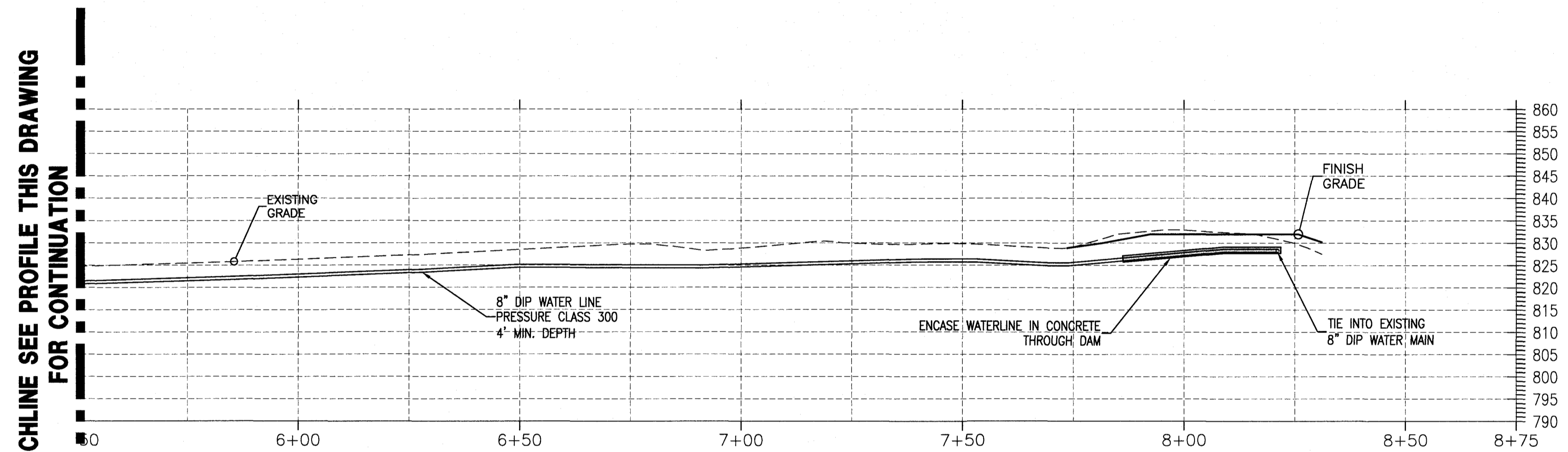






**WATER MAIN RELOCATION PROFILE**  
SCALE: 1" = 20' HORZ. & VERT.

MATCHLINE SEE PROFILE THIS DRAWING FOR CONTINUATION



**WATER MAIN RELOCATION PROFILE**  
SCALE: 1" = 20' HORZ. & VERT.

MATCHLINE SEE PROFILE THIS DRAWING FOR CONTINUATION

APPROVED  
STATE OF GEORGIA  
DEPT OF NATURAL RESOURCES  
  
AUG 17 2023  
*John Rapplean*  
Environmental Protection Division  
Safe Dams Program



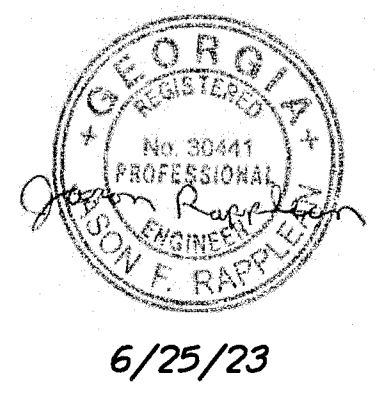
PRIMARY PERMITTEE  
OWNER:  
FAYETTE COUNTY  
BOARD OF COMMISSIONERS  
140 STONEWALL AVENUE WEST  
FAYETTEVILLE, GEORGIA 30214  
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RELEASED FOR CONSTRUCTION  
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1	REV. LEVEL 2 PROFESSIONAL AND EOR	JH	JR	6/25/23																
NO.	REVISIONS	MADE	CKD.	DATE	NO.	REVISIONS	MADE	CKD.	DATE											



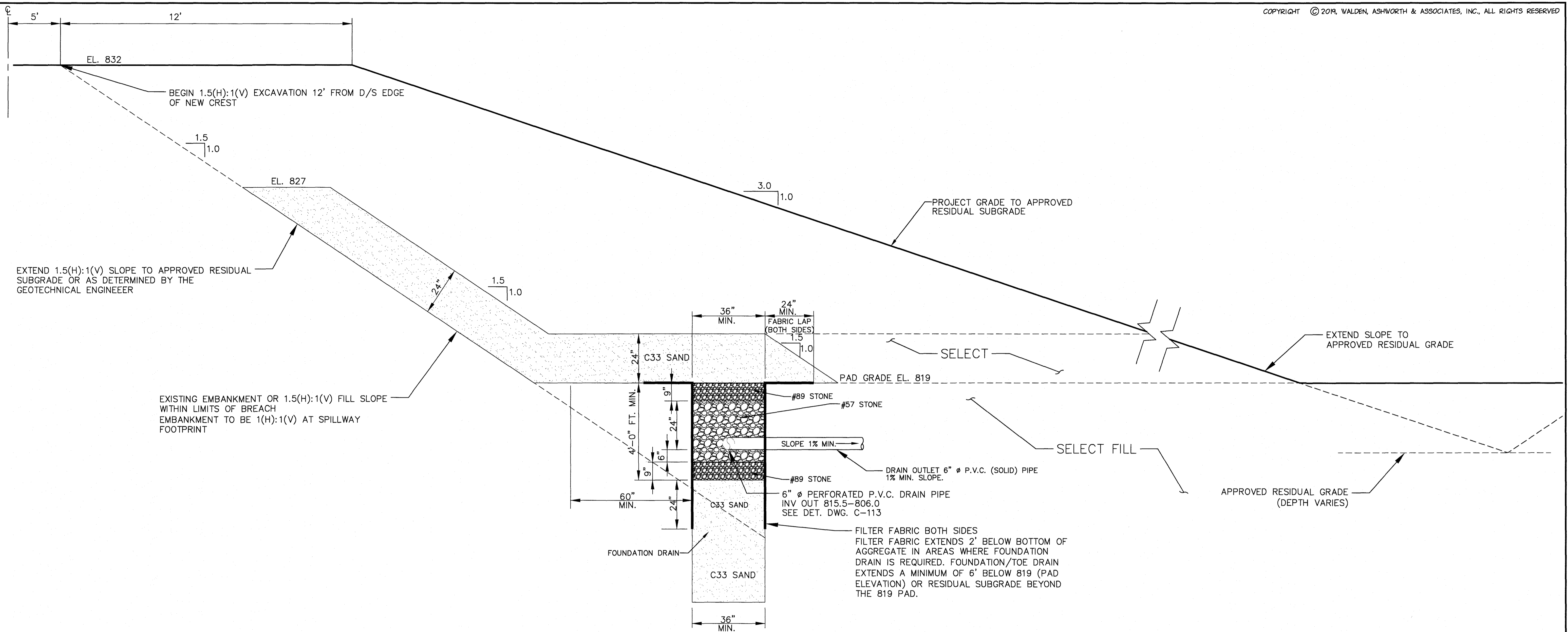
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DRAWN BY: JCL/JMH/JR	12/20
CHECKED BY: MLW/JR	12/20
COA: PEF00707	EXP: 06/30/2024
JASON RAPPLEAN, VP, PE, EOR LEVEL 2 CERTIFICATION # 3031 EXPIRATION DATE: 12/07/23	

**PHILLIPS LAKE  
DAM IMPROVEMENTS  
WATER MAIN PROFILE**  
  
**FAYETTE COUNTY**

**WALDEN, ASHWORTH & ASSOCIATES, INC.**  
CONSULTING ENGINEERS  
P.O. BOX  
MARIETTA, GEORGIA 30065  
(770) 958-7897  
COA: PEF000707 EXP: 06/30/2020

JOB NO. 3804600  
DRAWING NUMBER **38046- C-111**  
REV. NO. **1**

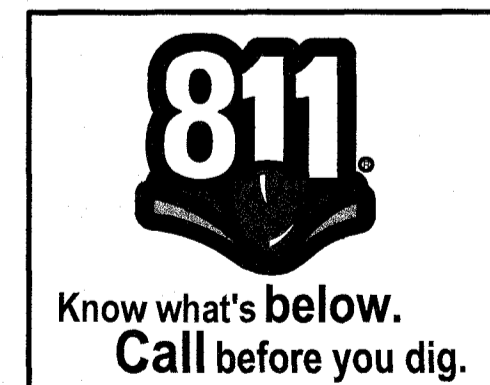




**CHIMNEY, FOUNDATION AND TOE DRAIN DETAIL "A"**  
 SCALE: 1" = 2' \* TYPICAL DETAIL EXCEPT AT SPILLWAY FOOTPRINT.

APPROVED  
 STATE OF GEORGIA  
 DEPT. OF NATURAL RESOURCES

AUG 17 2023  
*Walden Ashworth*  
 Environmental Protection Division  
 Safe Dams Program



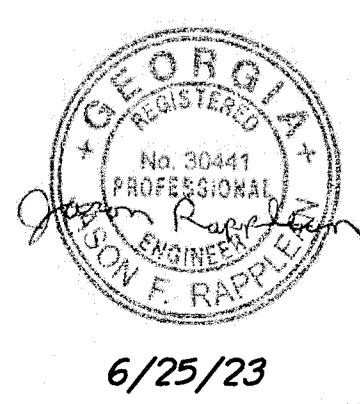
**PRIMARY PERMITTEE**  
**OWNER:**  
 FAYETTE COUNTY  
 BOARD OF COMMISSIONERS  
 140 STONEWALL AVENUE WEST  
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THE SITE IS LOCATED ON LONGVIEW ROAD IN LAND LOT 198 OF FAYETTE COUNTY, FAYETTEVILLE, GEORGIA.

RELEASED FOR CONSTRUCTION  
 BY: MARTIN L. WALDEN, P.E. DATE: 9-15-21

NO.	REVISIONS	MADE	CHKD.	DATE	NO.	REVISIONS	MADE	CHKD.	DATE
1	REV. LEVEL 2 PROFESSIONAL AND EOR	JH	JR	6/25/23					



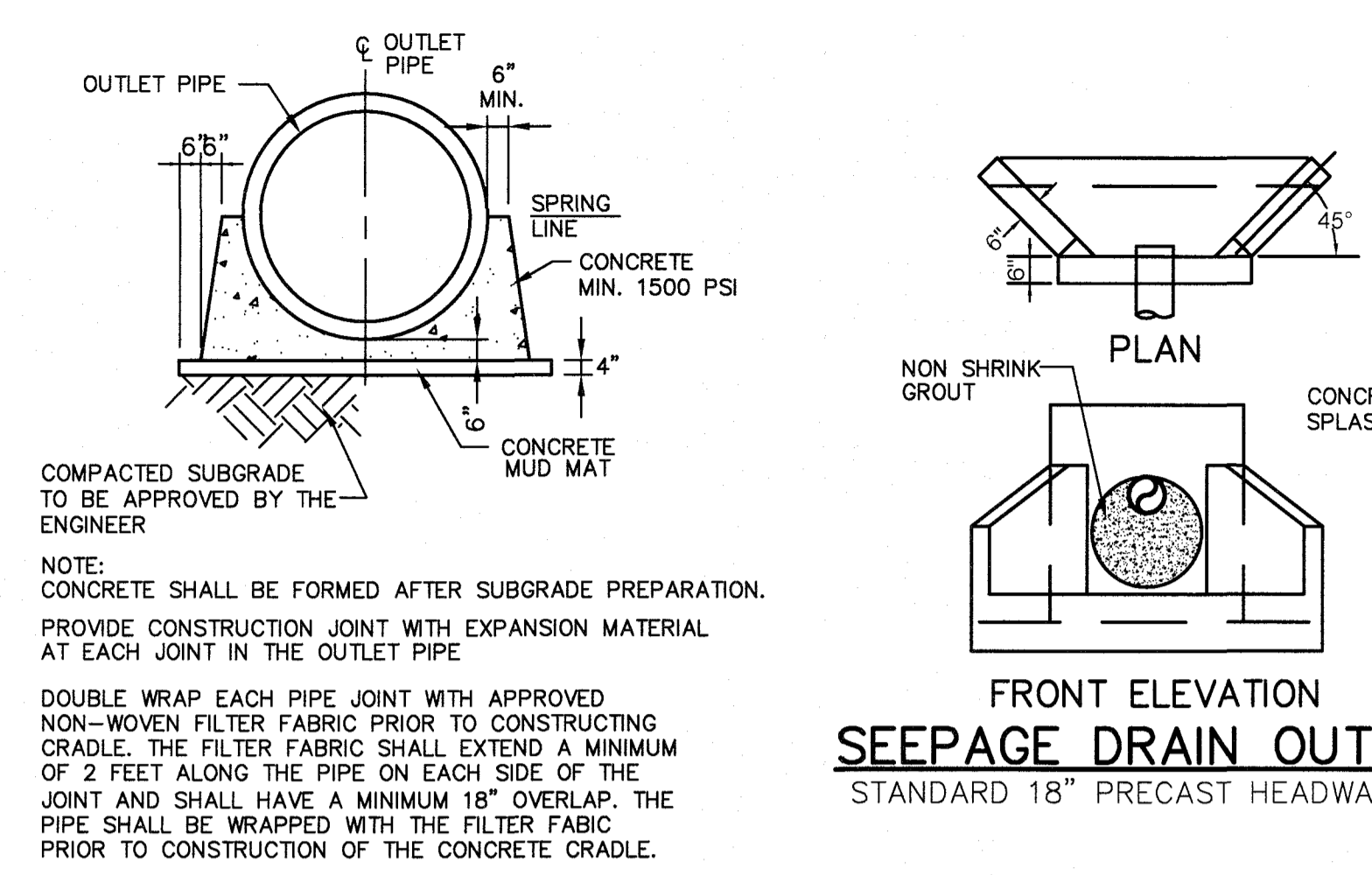
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JASON RAPPLEAN, VP, PE, EOR LEVEL 2 CERTIFICATION # 3031 EXPIRATION DATE: 12/07/23	

**PHILLIPS LAKE  
 DAM IMPROVEMENTS  
 TOE DRAIN DETAILS  
 FAYETTE COUNTY**

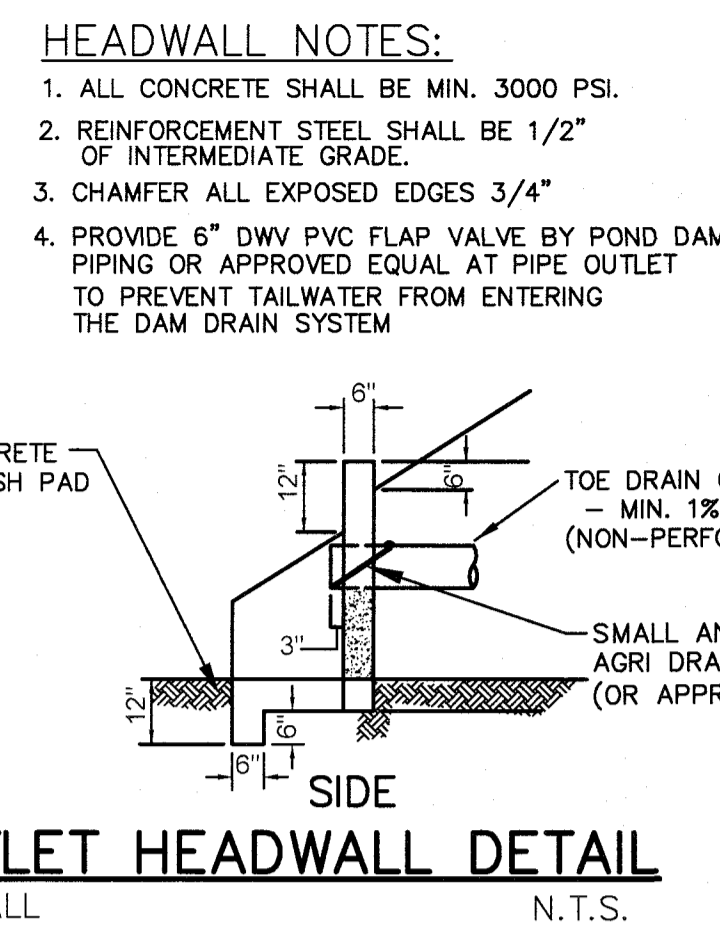
**WALDEN, ASHWORTH & ASSOCIATES, INC.**  
 CONSULTING ENGINEERS  
 P.O. BOX  
 MARIETTA, GEORGIA 30065  
 (770) 956 - 7897  
 COA: PEF00707 EXP: 06/30/2020

JOB NO. 3804600  
 DRAWING NUMBER **38046- C-112**  
 REV. NO. **1**

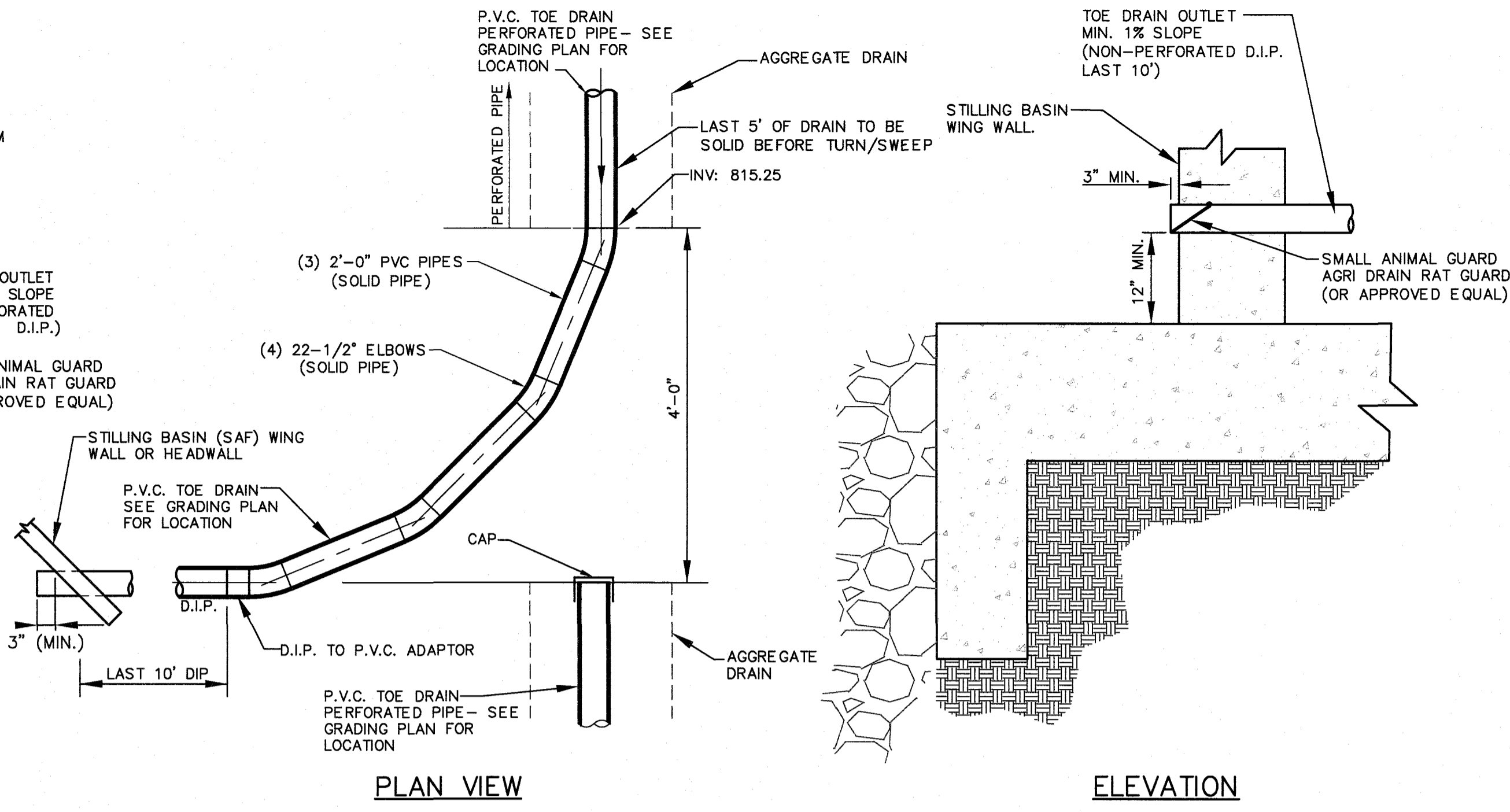




**OUTLET PIPE CRADLE DETAIL**  
N.T.S.

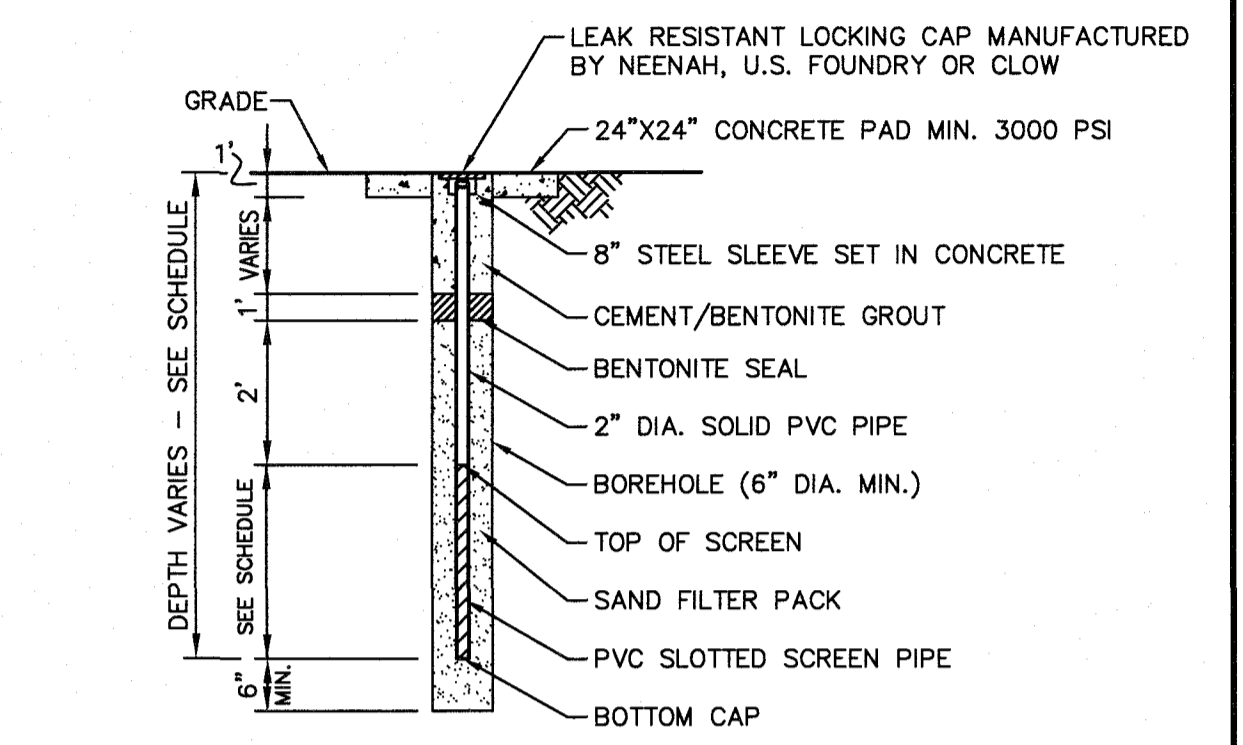


**SEEPAGE DRAIN OUTLET HEADWALL DETAIL**  
N.T.S.

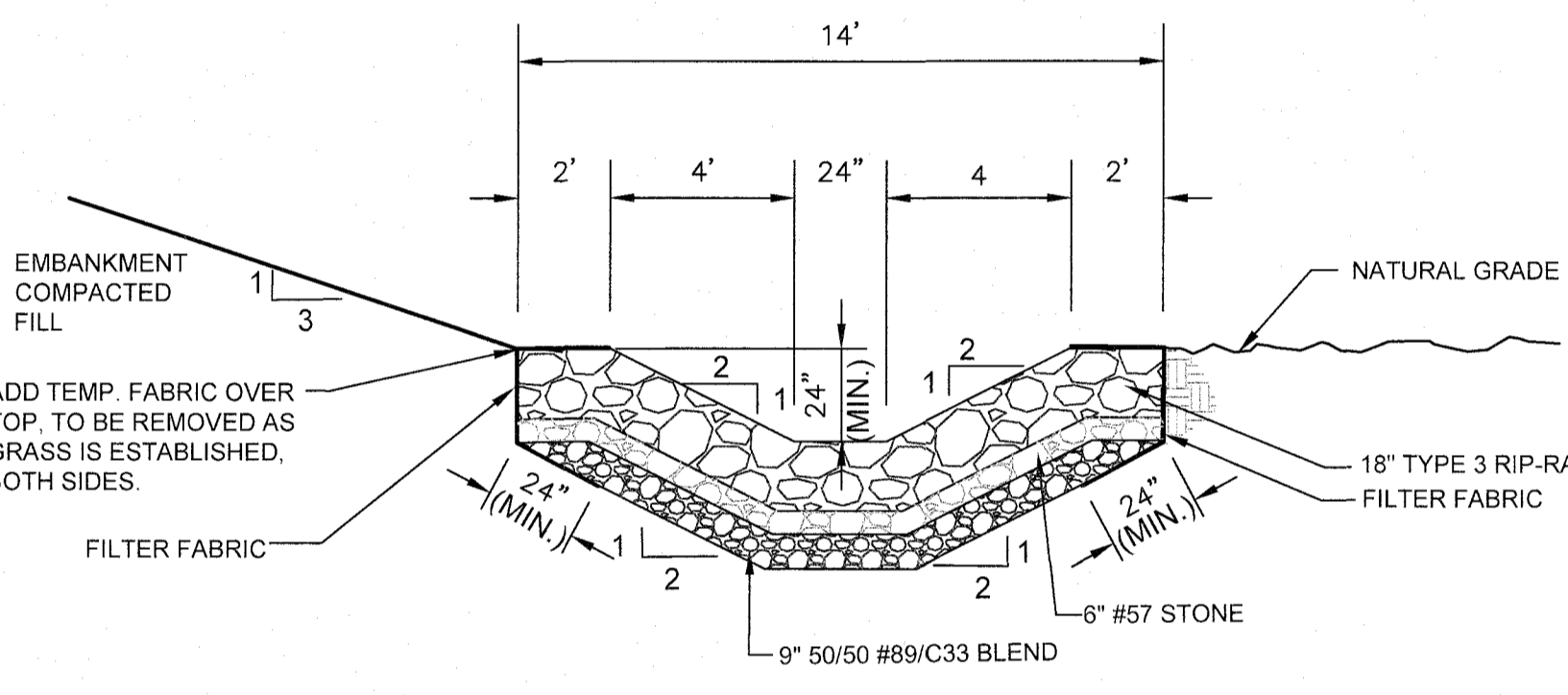


**SEEPAGE DRAIN OUTLET DETAIL**  
SCALE: N.T.S.

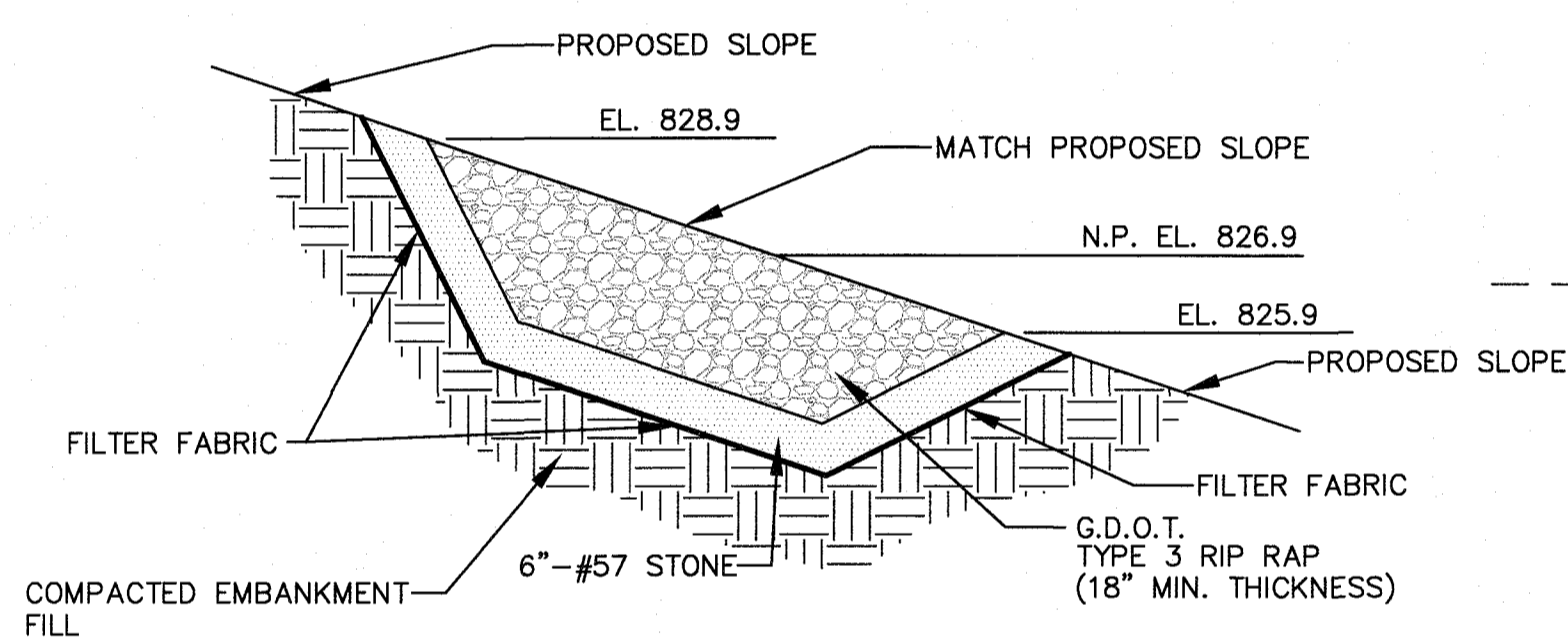
DESIGNATION	COORDINATES		APPROXIMATE SURFACE EL.	DEPTH (FEET)	HEIGHT OF SCREEN (FT)	SURFACE FINISH
	NORTHING	EASTING				
W-1	1272341.36	2209330.89	831.0	15	10	FLUSH/PAD
W-2	1272346.68	2209358.62	831.5	25	15	FLUSH/PAD
W-3 *	1272358.58	2209414.92	821.0	12	5	8" RISER/PAD
W-4	1272458.63	2209305.76	831.0	15	10	FLUSH/PAD
W-5	1272466.14	2209333.86	831.5	25	15	FLUSH/PAD
W-6 *	1272482.43	2209393.97	816.5	12	5	8" RISER/PAD
W-7	1272548.81	2209286.82	831.0	15	10	FLUSH/PAD
W-8	1272555.12	2209315.08	831.5	25	15	FLUSH/PAD
W-9 *	1272567.13	2209371.94	817.0	12	5	8" RISER/PAD



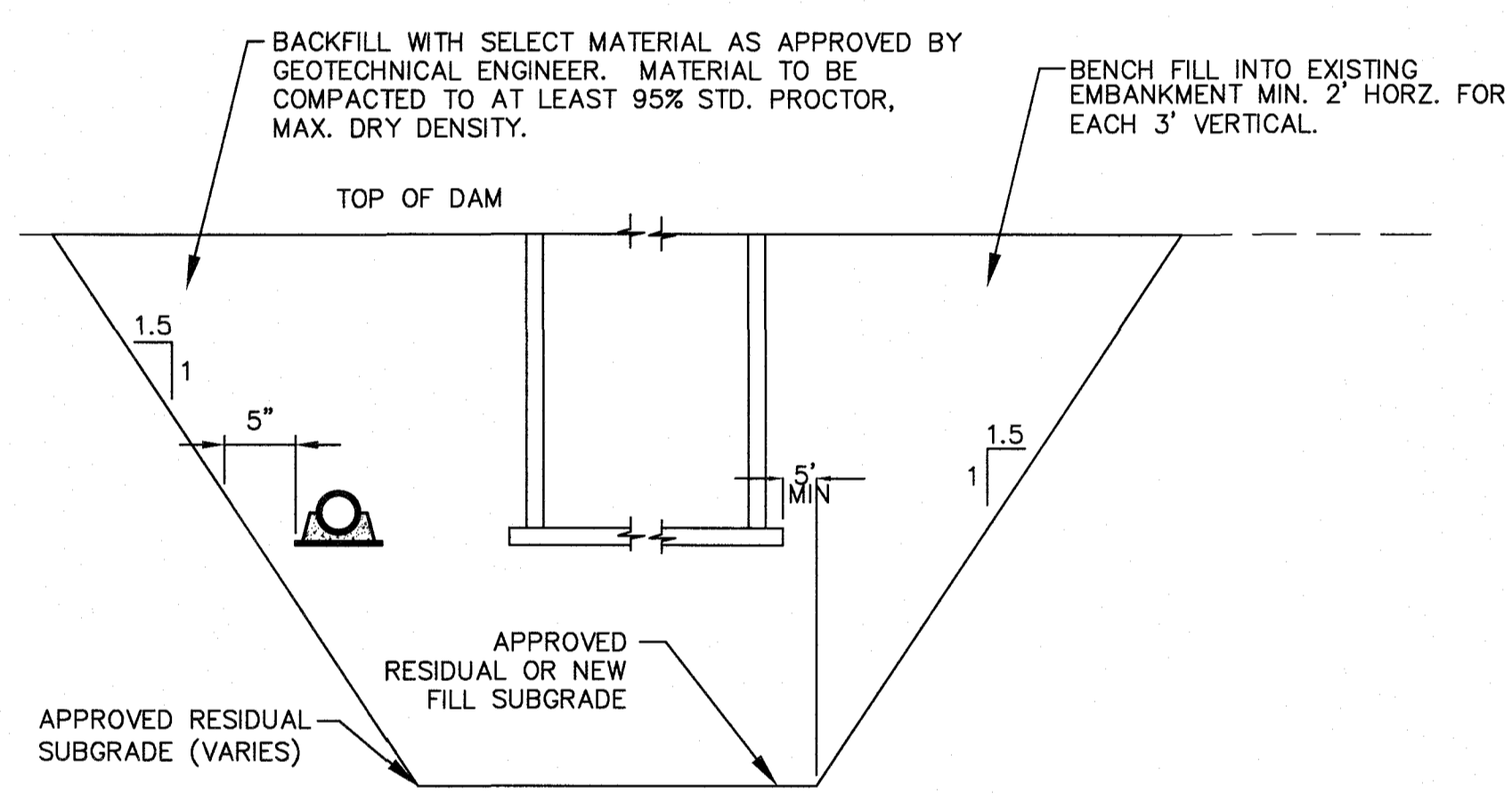
**OBSERVATION WELL DETAIL**  
SCALE: N.T.S.



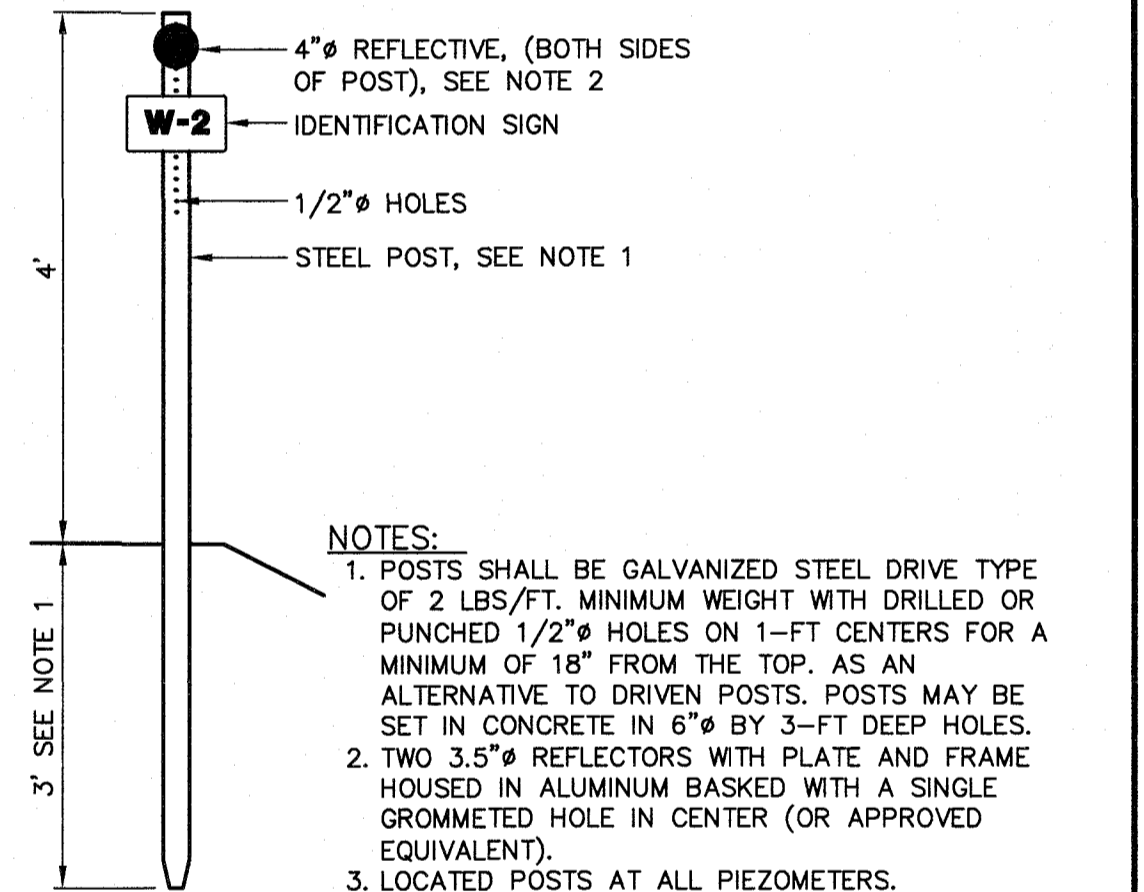
**TOE DITCH W/TYPE 3 RIP-RAP**  
SCALE: 1"=4'-0"



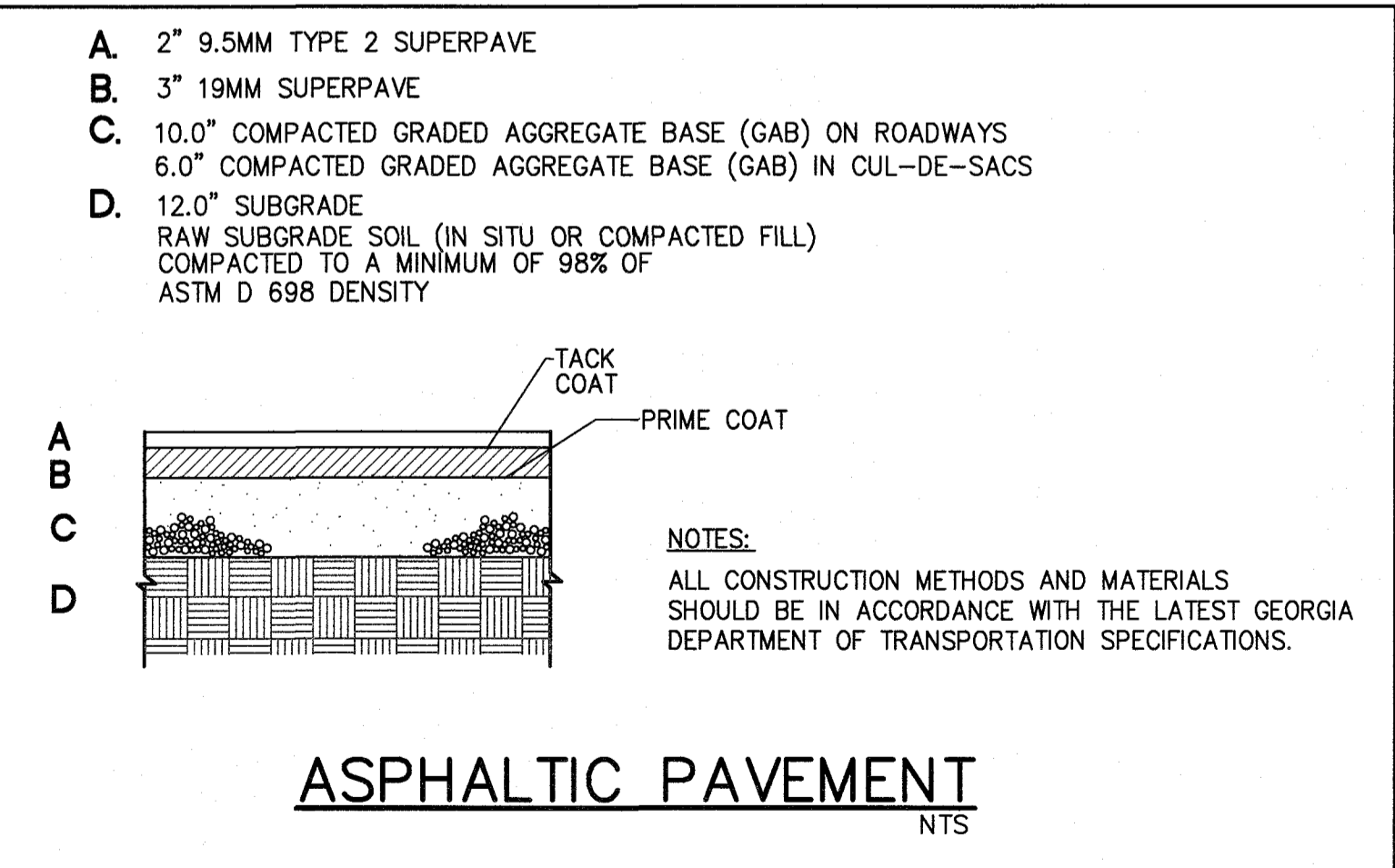
**RIP RAP WAVE PROTECTION DETAIL**  
SCALE: 1/2" = 1'



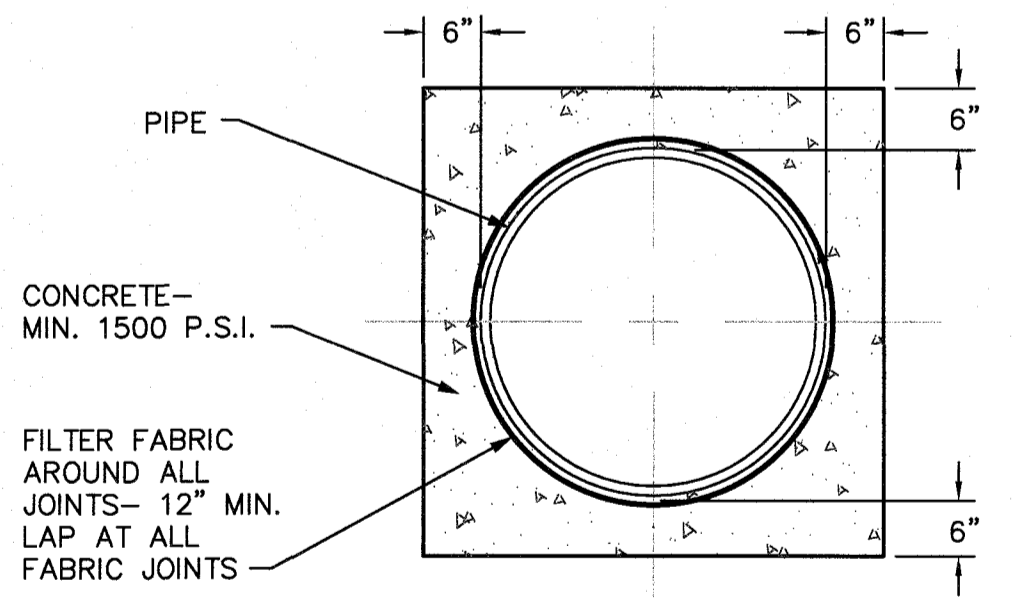
**EXCAVATION FOR SPILLWAY**  
SCALE: N.T.S.



**OBSERVATION WELL IDENTIFICATION POST**  
SCALE: N.T.S.

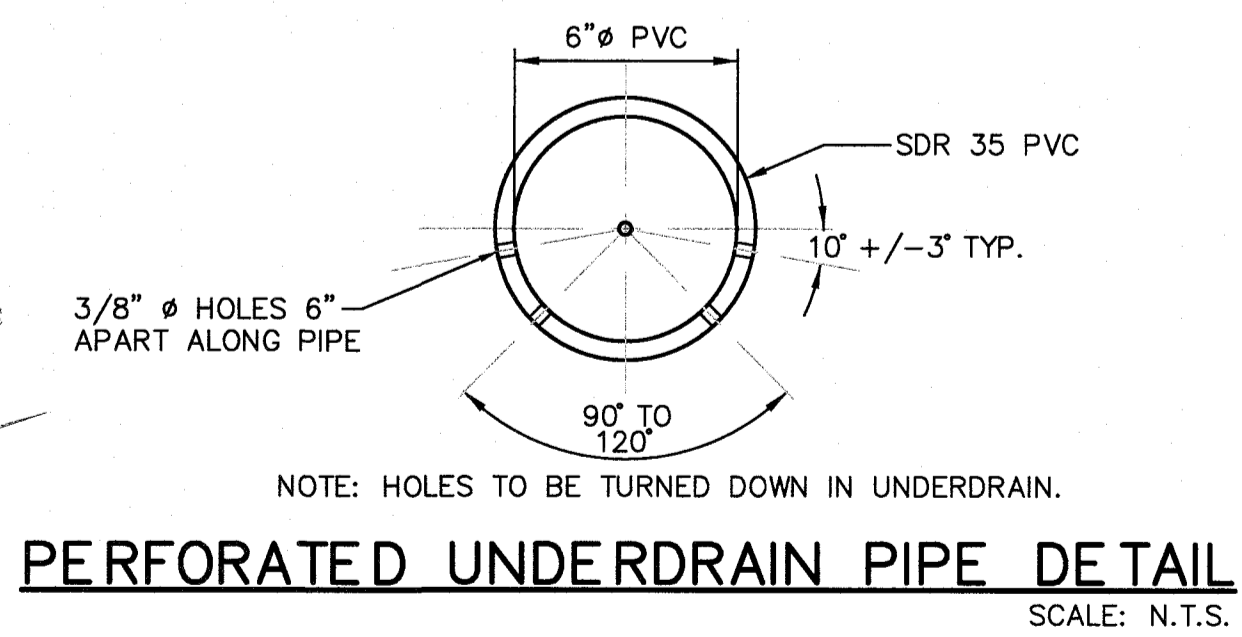


**ASPHALTIC PAVEMENT**  
N.T.S.



**PIPE ENCASEMENT DETAIL**  
SCALE: N.T.S.

APPROVED  
STATE OF GEORGIA  
DEPT OF NATURAL RESOURCES  
AUG 17 2023  
Jason Rapplean  
Environmental Protection Division  
Safe Dams Program



**PERFORATED UNDERDRAIN PIPE DETAIL**  
SCALE: N.T.S.

**PRIMARY PERMITTEE**  
**OWNER:**  
FAYETTE COUNTY  
BOARD OF COMMISSIONERS  
40 STONEWALL AVENUE WEST  
FAYETTEVILLE, GEORGIA 30214  
CONTACT: MR. PHIL MALLON  
PHONE: (770) 320-6010  
**24 HR. CONTACT PERSON**  
PHIL MALLON  
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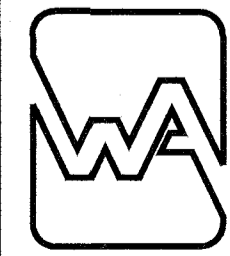
RELEASED FOR CONSTRUCTION  
BY: MARTIN L. WALDEN, P.E. DATE: 9-15-21

NO.	REVISIONS	MADE	CKD.	DATE	NO.	REVISIONS	MADE	CKD.	DATE
1	REV. LEVEL 2 PROFESSIONAL AND EOR	JH	JR	6/25/23					

SCALE:	AS SHOWN	DATE:	
DESIGN BY:	JCL/JMH/JR	12/20	
DRAWN BY:	JCL/JMH/JR	12/20	
CHECKED BY:	MLW/JR	12/20	
CDA:	PEF00707	EXP:	06/30/2024
JASON RAPPLEAN, VP, PE, EOR		LEVEL 2 CERTIFICATION #	3031
EXPIRATION DATE:			12/07/23

THE SITE IS LOCATED ON LONGVIEW ROAD IN LAND LOT 198 OF FAYETTE COUNTY, FAYETTEVILLE, GEORGIA.

**PHILLIPS LAKE  
DAM IMPROVEMENTS  
MISCELLANEOUS DETAILS  
FAYETTE COUNTY**



**WALDEN, ASHWORTH & ASSOCIATES, INC.**  
CONSULTING ENGINEERS  
P.O. BOX  
MARIETTA, GEORGIA 30065  
(770) 956-7897  
COA: PEF000707 EXP: 06/30/2020

JOB NO.	DRAWING NUMBER	REV. NO.
3804600	<b>38046-C-113</b>	<b>1</b>



**Fayette County  
Water System**

1. Fayette County Water System specifications and details shall govern all water main construction.
2. All materials and installation shall be in accordance with Fayette County Water System and AWWA standards and specifications.
3. New Water Main to be installed after curb and gutter has been constructed and must be located 7' from the back of the curb. EOM should have hydrant or other flush point.
4. Ductile Iron Pipe (D.I.P.) shall be minimum pressure class 300 cement mortar lined, per ANSI C151/A21.51. All fittings shall be mechanical joint Ductile Iron per ANSI A21.10 or A21.53. All service piping shall be copper.
5. Provide Thrust Restraint (Thrust Blocks or Restrained Joints) at all bends, Tees, Crosses and End of Lines. (EOL) Side forms shall be used to prevent encasement of bolts. Service Taps shall not be located beneath pavement.
6. Maintain 24" minimum clearance between waterline and other structures.
7. Contractor shall maintain a minimum of 4' over all water lines.
8. Gate valves shall be utilized for all extensions. In-line valves shall be placed at all intersections and at every third hydrant for future isolation purposes.
9. Long side services shall be sleeved with PVC material or better to preserve the structural integrity of roads for future maintenance.
10. Contractor shall flag Water Line and Service locations to prevent damage by other Utility Contractors.
11. Proper compaction is required throughout the project. (95% pervious, 98% impervious)
12. Unsuitable soil materials shall be replaced with Suitable Materials.
13. New Water Line shall be pressure tested for 2 hours at 200 P.S.I. Unacceptable leakage shall be repaired and water line shall be retested prior to acceptance by Fayette County Water System. Main must be disinfected prior to being placed in service.
14. All Double Water Services shall be 1" Type "K" Copper and Single Services shall be ¾" Type "K" Copper. Contractor shall provide Stainless Steel Agbay Locks with stainless steel end cap approved by Fayette County Water System to prevent theft of water on all service taps. Approved locks and installation keys can be obtained from Core & Main.
15. Water meter boxes should be NDS D1200 Standard Box with Cast Iron Drop In Reader Cover.
16. Top of curbs shall be permanently marked and painted Blue at Main and Service Crossings, as well as, Valve and Meter Locations.
17. All Fire Hydrants shall be operational prior to allowing combustible construction.

**Fayette County  
Water System**

- Fire Hydrant spacing not to exceed 600'. All hydrants/barrels shall be 5 ¼" in diameter. Variance: Any variance for fire hydrant spacing must be approved by the Fire Chief or authorized designee. Such variances must be noted on appropriate site drawings. Ref. Fayette County Code of Ordinances Sec. 12-89, 12-90, 12-91, 12-92. All fire hydrants shall be painted silver and plumb. 6" minimum main size for hydrants required.
18. Meter Boxes shall be placed 9' from back of curb. Location of meters shall not be encased in asphalt or concrete. Alternate locations will be approved by F.C.W.S.
  19. Set Meter Boxes .2' above top of Curb elevation. Mark Meter Boxes with a 4' long PVC pipe painted blue.
  20. Valves to be placed at every tee and inline valves every third hydrant or as determined by FCWS.
  21. Water Sampling Stations shall be provided at locations deemed necessary by Fayette County Water System.
  22. Waterline contractor shall provide traffic control, including signage and flagmen, while working within the Right of Way of any existing road.
  23. Waterline contractor performing any work within an existing right of way must comply with the MUTCD 2003 Edition with Revisions Number 1 and 2 Incorporated, dated December 2007. Flaggers must possess a current certification card. Documentation shall be available upon request by any County Employee.
  24. Water to be provided by Fayette County Water System.
  25. All tie-ins shall be coordinated with Fayette County Water System. Existing valves shall be operated by County personnel only.
  26. Contractor must notify Fayette County Water System 24 hours prior to beginning construction or requesting inspections. All work must be inspected prior to backfill and compaction. Any work covered prior to inspection is subject to rejection until it has been exposed and inspected by Fayette County Water Personnel.
  27. No trenches or pits are to be left open overnight or through a weekend. If crew vacates job site during daytime hours, a properly constructed, highly visible barricade must be erected.
  28. While the excavation is open, underground installations shall be protected, supported or removed as necessary to safeguard employees.
  29. Means of egress from trench excavations. A stairway, ladder, ramp or other safe means of egress shall be located in trench excavations that are 4 feet or more in depth so as to require no more than 25 feet of lateral travel for employees.
  30. Contact Matt Bergen at the Fayette County Water System to schedule a preconstruction meeting prior to beginning any work. Phone: 770-320-6020 Fax: 770-719-5576
  31. All contractors must have a Certified Competent Person on site while work is being performed. Documentation shall be available upon request by any County Employee.
  32. All contractors performing any Land Disturbing Activity shall have attended the GSWCC Sub Contractor Awareness Course when working in a common development where the primary permittee has obtained a Level 1A Certification. The primary permittee is

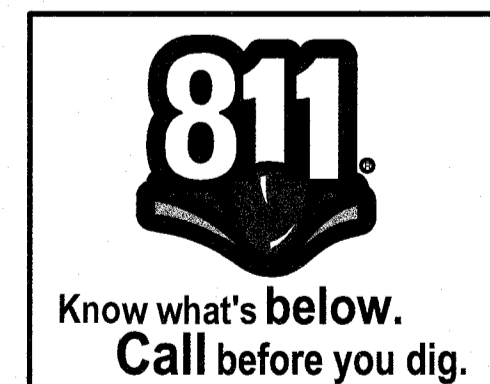
**Fayette County  
Water System**

- required to have a Level 1A Certified representative on site at all times. Documentation shall be available upon request by any County Employee.
33. Any contractor performing any Land Disturbing Activity under contract for Fayette County Water System shall be considered the secondary permittee for each project. The contractor shall be required to have a GSWCC Level 1A Certified representative on site at all times. Documentation shall be available upon request by any County Employee.
  34. Before release of the Water Lines, 2 Certified As-Builts (24 X 36) and one CAD file copy must be submitted along with 2 signed Final Plans or Final Site Plans. One electronic copy of each document should be sent to the inspector upon acceptance.
  35. System shall have a minimum flow of 1,000 GPM at a minimum pressure of 20 p.s.i. with a minimum main size of 6".
  36. All plans shall include a quantities table for FCWS infrastructure on project. This includes pipe footage, hydrant assemblies, meter services and valves.

**NOTE: ALL UTILITY WORK PERFORMED ON THE DAM MUST BE MONITORED BY AN ENGINEER OF RECORD.**

APPROVED  
STATE OF GEORGIA  
DEPT OF NATURAL RESOURCES

AUG 17 2023  
*Walden*  
Environmental Protection Division  
Safe Dams Program



**PRIMARY PERMITTEE  
OWNER:**  
FAYETTE COUNTY  
BOARD OF COMMISSIONERS  
140 STONEWALL AVENUE WEST  
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CONTACT: MR. PHIL MALLON  
PHONE: (770) 320-6010

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(770) 313-9855

RELEASED FOR CONSTRUCTION  
BY: MARTIN L. WALDEN, P.E. DATE: 9-15-21

THE SITE IS LOCATED ON LONGVIEW ROAD IN LAND LOT 198 OF FAYETTE COUNTY, FAYETTEVILLE, GEORGIA.

**PHILLIPS LAKE  
DAM IMPROVEMENTS  
WATER SYSTEM NOTES  
FAYETTE COUNTY**



**WALDEN, ASHWORTH & ASSOCIATES, INC.**  
CONSULTING ENGINEERS  
P.O. BOX  
MARIETTA, GEORGIA 30065  
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COA: PEF000707 EXP: 06/30/2020

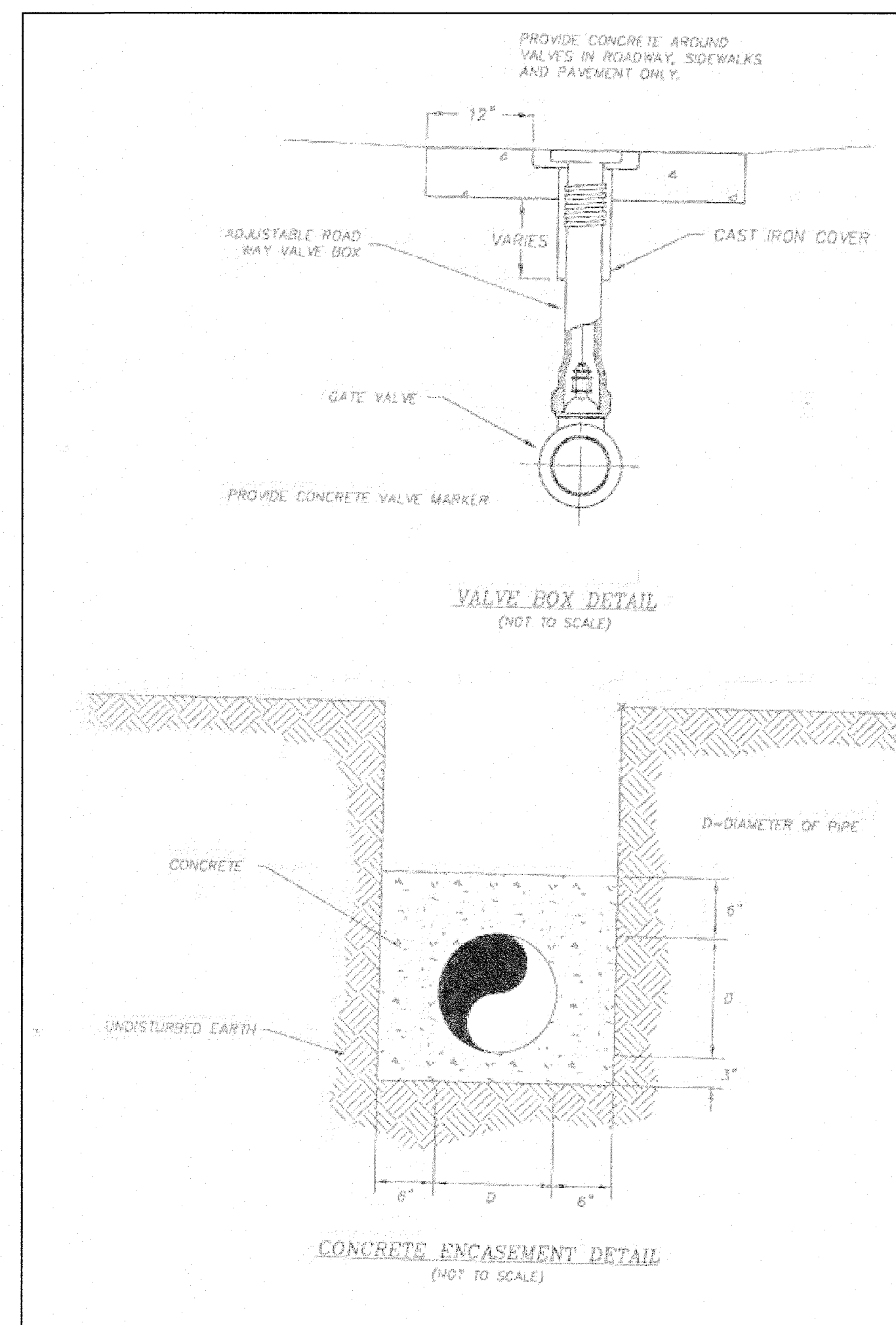
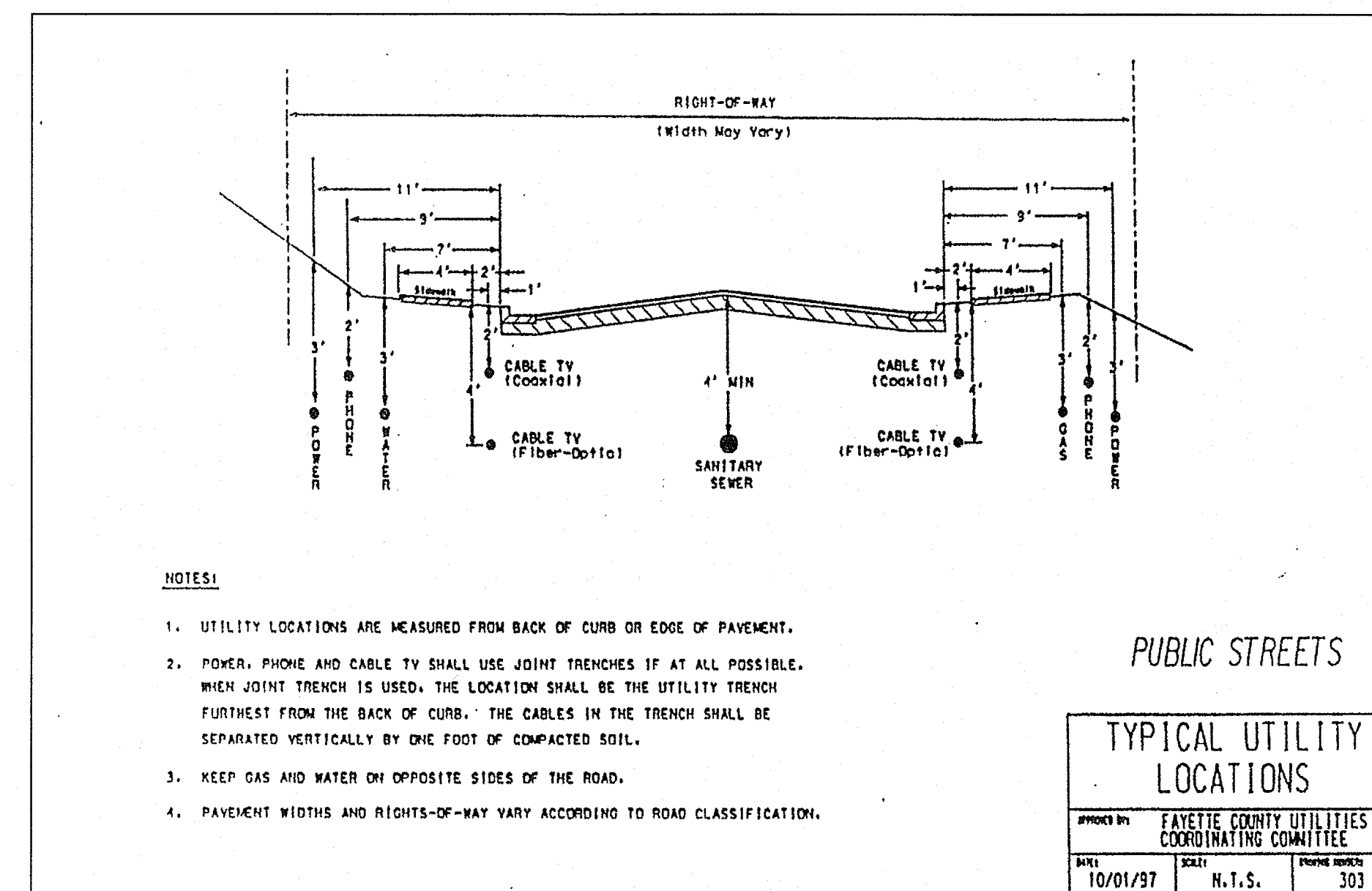
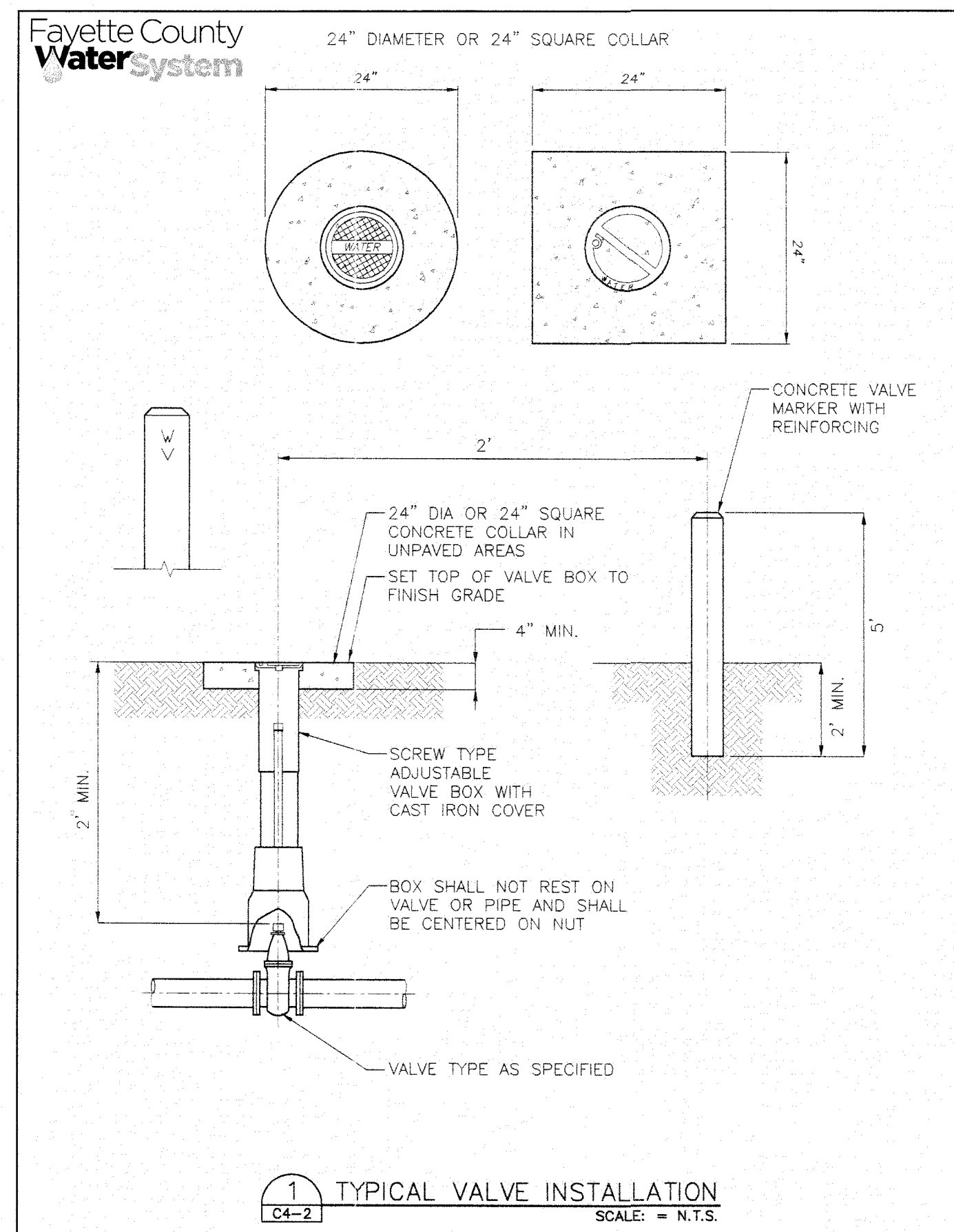
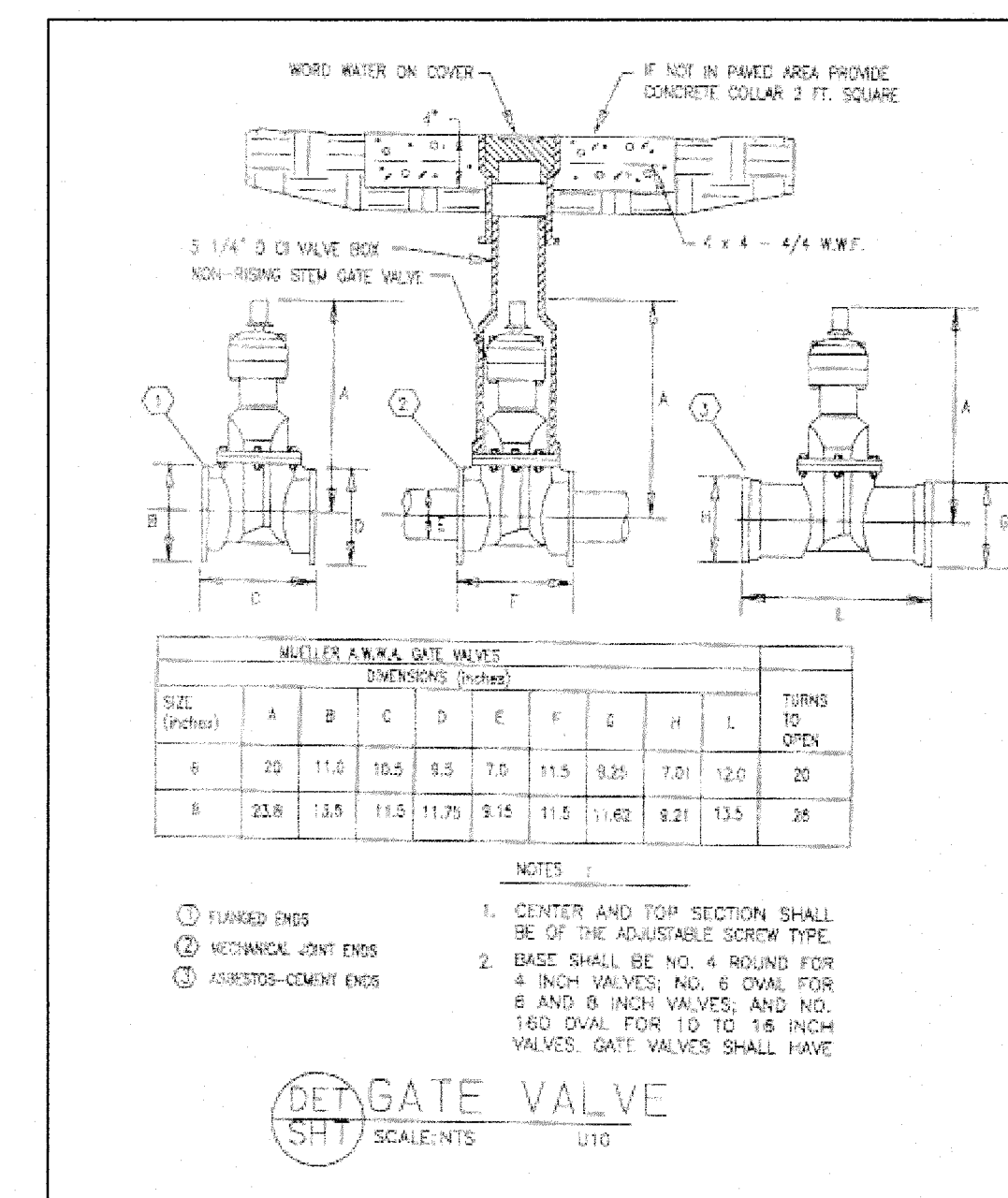
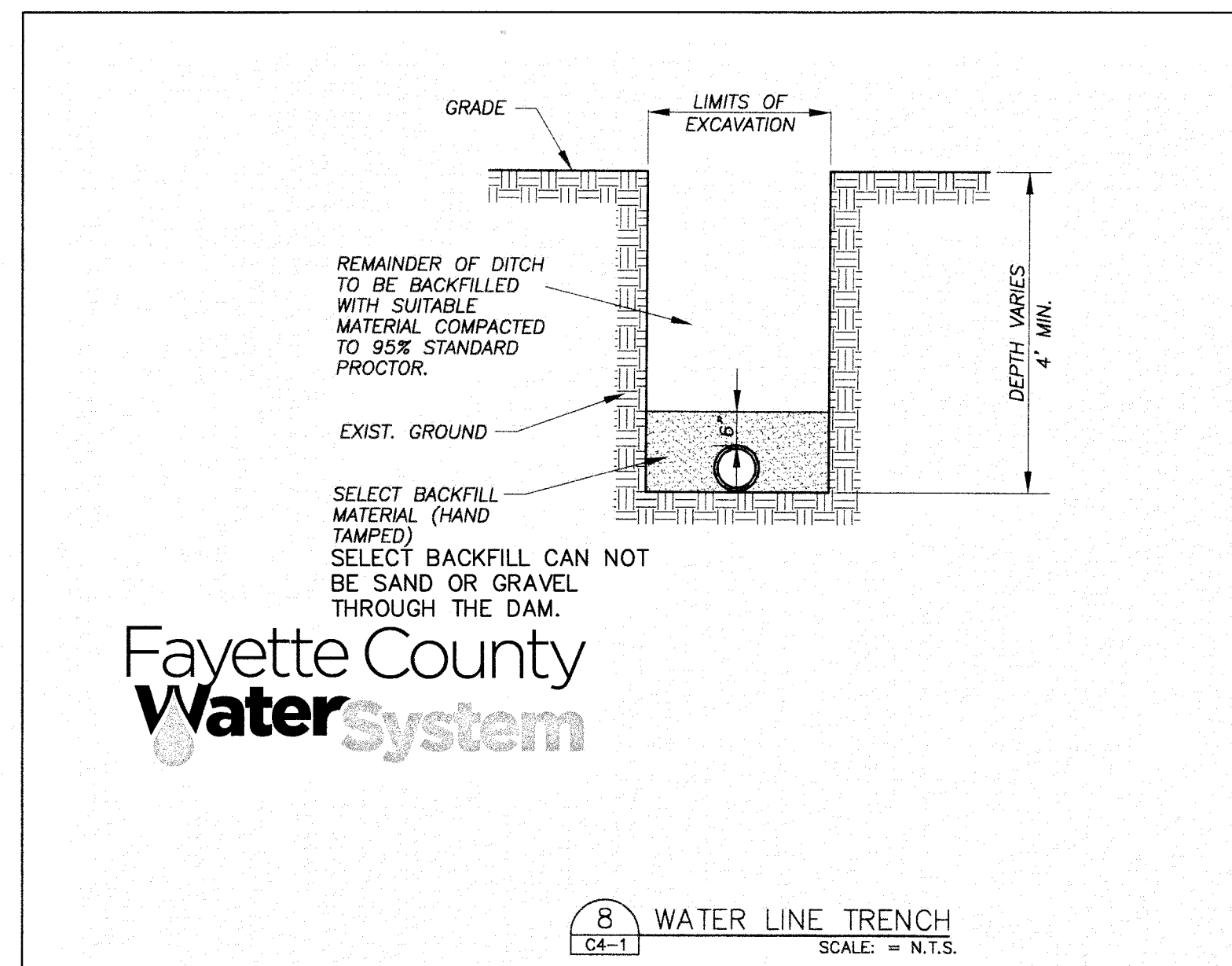
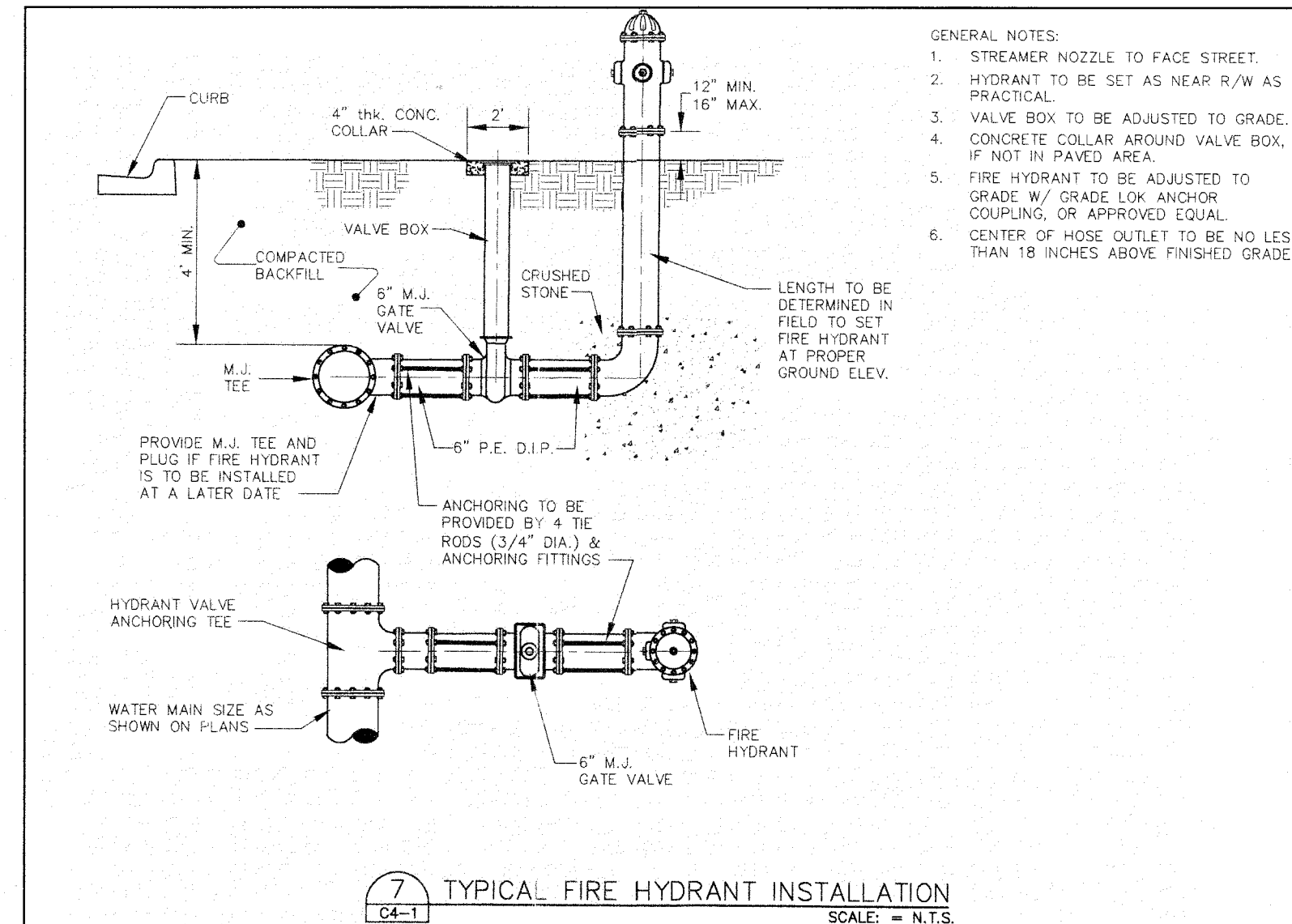
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DESIGN BY: JCL/JMH/JR	12/20
DRAWN BY: JCL/JMH/JR	12/20
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JASON RAPPLEAN, VP, PE, EOR LEVEL 2 CERTIFICATION # 3031 EXPIRATION DATE: 12/07/23	



APPROVED 07/13/2023 FAYETTE COUNTY ENVIRONMENTAL MANAGEMENT																				
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JOB NO. 3804600  
DRAWING NUMBER **38046- C-114**  
REV. NO. **1**





**PRIMARY PERMITTEE**  
**OWNER:**  
FAYETTE COUNTY BOARD OF COMMISSIONERS  
140 STONEWALL AVENUE WEST  
FAYETTEVILLE, GEORGIA 30214  
CONTACT: MR. PHIL MALLON  
PHONE: (770) 320-6010

**811**  
Know what's below.  
Call before you dig.

**24 HR. CONTACT PERSON**  
PHIL MALLON  
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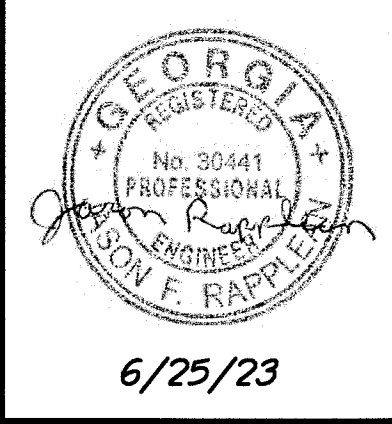
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DEPT OF NATURAL RESOURCES

AUG 17 2023  
*Walden Ashworth*  
Environmental Protection Division  
Safe Dams Program

THE SITE IS LOCATED ON LONGVIEW ROAD IN LAND LOT 198 OF FAYETTE COUNTY, FAYETTEVILLE, GEORGIA.

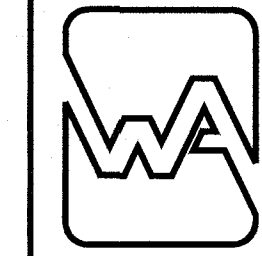
RELEASED FOR CONSTRUCTION  
BY: MARTIN L. WALDEN, P.E. DATE: 9-15-21

NO.	REVISIONS	MADE	CHKD.	DATE	NO.	REVISIONS	MADE	CHKD.	DATE
1	REV. LEVEL 2 PROFESSIONAL AND EOR	JH	JR	6/25/23					



SCALE:	DATE
DESIGN BY: JCL/JMH/JR	12/20
DRAWN BY: JCL/JMH/JR	12/20
CHECKED BY: MLW/JR	12/20
COA: PEF00707	EXP: 06/30/2024
JASON RAPPLEAN, VP, PE, EOR	LEVEL 2 CERTIFICATION # 3031
EXPIRATION DATE:	12/07/23

**PHILLIPS LAKE DAM IMPROVEMENTS WATER SYSTEM DETAILS**  
**FAYETTE COUNTY**



**WALDEN, ASHWORTH & ASSOCIATES, INC.**  
CONSULTING ENGINEERS  
P.O. BOX  
MARIETTA, GEORGIA 30065  
(770) 956 - 7897  
COA: PEF000707 EXP: 06/30/2020

JOB NO. 3804600  
DRAWING NUMBER **38046- C-115**  
REV. NO. **1**



**EROSION, SEDIMENTATION & POLLUTION CONTROL NOTES:**

THE PRIMARY PERMITTEE OF THIS PROJECT IS: FAYETTE COUNTY STORMWATER MANAGEMENT DEPARTMENT  
CONTACT PERSON: PHIL MALLON, PE (COUNTY ENGR) TEL: (770) 320-6010

- 1. THE TOTAL ACREAGE OF THE PROPERTY IS . N/A AND THE TOTAL DISTURBED AREA IS: 5.7 ACRES.
- 2. THE PROPERTY IS LOCATED AT GPS LOCATION LATITUDE: N33°29'44" ; LONGITUDE: W84°27'12" ; AND THE ADDRESS IS: PHILLIPS RD, IN FAYETTE COUNTY, GEORGIA. THERE ARE NO CRITICAL AREAS REQUIRING ADDITIONAL MEASURES.
- 3. THE PRESENCE OF ON-SITE WETLANDS HAS BEEN INVESTIGATED AND IT WAS DETERMINED THAT THERE ARE NO WETLANDS ON SITE (PROPOSED DISTURBED AREA). ALL STATE WATERS LOCATED ON AND WITHIN 200 FEET OF THE PROJECT SITE HAVE BEEN IDENTIFIED AND WILL BE PROTECTED BY ASSOCIATED STATE AND COUNTY PROTECTION REGULATIONS AND BUFFERS.
- 4. THE RECEIVING WATERS OF THIS PROJECT IS A TRIBUTARY OF MORNING CREEK, WHICH IS NOT LISTED AS, BUT IS WITHIN ONE MILE OF AN ENDANGERED STREAM SEGMENT BASED ON THE 2018 INTEGRATED 305(b)(3)(3)(D) LIST FOR RIVERS AND STREAMS. A TMDL HAS BEEN COMPLETED.
- 5. THE MOST EFFICIENT METHOD OF DUST CONTROL FOR THE SITE SHALL BE DETERMINED EXPERIMENTALLY AND MAY CONSIST OF TEMPORARY MEASURES SUCH AS MULCHES, VEGETATIVE COVER, SPRAY-ON ADHESIVES, TILLAGE, IRRIGATION, BARRIERS AND/OR THE APPLICATION OF CALCIUM CHLORIDE. LIKEWISE, IF THE ACTION OF THE VEHICLE TRAVELING OVER THE GRAVEL CONSTRUCTION EXIT PAD DOES NOT SUFFICIENTLY REMOVE THE MUD FROM VEHICLE TIRES, THE TIRES SHOULD BE WASHED PRIOR TO ENTRANCE ONTO PUBLIC RIGHTS-OF-WAY. WHEN WASHING IS REQUIRED, IT SHALL BE DONE ON AN AREA STABILIZED WITH CRUSHED STONE AND PROVISIONS THAT INTERCEPT THE SEDIMENT-LADEN RUNOFF AND DIRECT IT INTO AN APPROVED SEDIMENT TRAP OR SEDIMENT BASIN.
- 6. WASHOUT OF THE DRUM OF A CONCRETE TRUCK AT THE CONSTRUCTION SITE IS PROHIBITED. CONCRETE WASHDOWN OF TOOLS, CONCRETE MIXER CHUTES, HOPPERS AND THE REAR OF VEHICLES WILL ONLY BE ALLOWED IN A DESIGNATED AREA PROVIDED FOR THIS PURPOSE, AS SHOWN ON THE DRAWINGS. THE FOLLOWING BEST PRACTICES WILL BE FOLLOWED:  
(1) CONTAIN ALL WASH WATER ON SOIL, IN A BOWL SHAPED AREA CREATED IN THE DESIGNATED WASH AREA TO PREVENT THE WASH WATER FROM FLOWING FROM THE WASHOUT AREA;  
(2) USE THE MINIMUM AMOUNT OF WATER TO WASH DOWN THE TOOLS, CONCRETE MIXER CHUTES, HOPPERS AND THE REAR OF VEHICLES;  
(3) REMOVE ANY CONCRETE SEDIMENT FROM THE AREA SURROUNDING THE WASHOUT AREA BEFORE IT HARDENS, AND  
(4) REMOVE ALL CONCRETE RESIDUE FROM THE DESIGNATED AREA ONCE IT HAS HARDENED.
- 7. SPILL CLEANUP AND CONTROL PRACTICES:  
LOCAL, STATE AND MANUFACTURER'S RECOMMENDED METHODS FOR SPILL CLEANUP WILL BE CLEARLY POSTED AND PROCEDURES WILL BE MADE AVAILABLE TO SITE PERSONNEL. MATERIAL AND EQUIPMENT NECESSARY FOR SPILL CLEANUP WILL BE KEPT IN THE MATERIALS STORAGE AREA. TYPICAL MATERIALS AND EQUIPMENT INCLUDES, BUT IS NOT LIMITED TO, BROOMS, DUSTPANS, MPS BAGS, GLOVES, GOGGLES, CAT LITTER, SAND, SAWDUST AND PROPERLY LABELED PLASTIC AND METAL WASTE CONTAINERS. SPILL PREVENTION PRACTICES AND PROCEDURES WILL BE REVIEWED AFTER A SPILL AND ADJUSTED AS NECESSARY TO PREVENT FUTURE SPILLS. ALL SPILLS WILL BE CLEANED UP IMMEDIATELY UPON DISCOVERY. ALL SPILLS WILL BE REPORTED AS REQUIRED BY LOCAL, STATE AND FEDERAL REGULATIONS. FOR SPILLS THAT IMPACT SURFACE WATER (LEAVE A SHEEN ON SURFACE WATER), THE NATIONAL RESPONSE CENTER (NRC) WILL BE CONTACTED WITHIN 24 HOURS AT 1-800-424-8802. FOR SPILLS OF AN UNKNOWN AMOUNT, THE NATIONAL RESPONSE CENTER (NRC) WILL BE CONTACTED WITHIN 24 HOURS AT 1-800-424-8802. FOR SPILLS GREATER THAN 25 GALLONS AND NO SURFACE WATER IMPACTS, THE SPILL WILL BE CLEANED UP AND LOCAL AGENCIES WILL BE CONTACTED AS REQUIRED. THE CONTRACTOR SHALL NOTIFY THE LICENSED PROFESSIONAL WHO PREPARED THIS PLAN IF MORE THAN 1,320 GALLONS OF PETROLEUM IS STORED ON-SITE (THIS INCLUDES CAPACITIES OF EQUIPMENT) OR IF ANY ONE PIECE OF EQUIPMENT HAS A CAPACITY GREATER THAN 65 GALLONS. THE CONTRACTOR WILL NEED A SPILL PREVENTION CONTAINMENT AND COUNTERMEASURES PLAN PREPARED BY THAT LICENSED PROFESSIONAL.
- 8. THE EXISTING SITE IS (WATER MAIN, METER AND BFP CONSTRUCTION) PUBLIC ROADWAYS AND PRIVATE DRIVES. THE PURPOSE OF THE PROJECT IS TO INSTALL NEW WATER MAINS, METERS AND BACKFLOW PREVENTERS. THE CONSTRUCTION WILL NOT HAVE AN ADVERSE EFFECT ON THE DOWNSTREAM PROPERTIES.
- 9. ALL POLLUTANTS FROM WASTE DISPOSAL PRACTICES, SOIL ADDITIVES, REMEDIATION OF SPILLS AND LEAKS OF PETROLEUM PRODUCTS, CONCRETE TRUCK WASHOUT, ETC, SHOULD ANY OF THESE OCCUR, WILL BE CONTROLLED BY THE IMPLEMENTATION OF APPROPRIATE BEST MANAGEMENT PRACTICES. THE SITE WILL BE IN COMPLIANCE WITH ALL APPLICABLE STATE AND LOCAL WASTE DISPOSAL, SANITARY SEWER OR SEPTIC SYSTEM REGULATIONS.

- PRODUCT SPECIFIC PRACTICES:  
PETROLEUM BASED PRODUCTS - CONTAINERS FOR PRODUCTS SUCH AS FUELS, LUBRICANTS AND TARS WILL BE INSPECTED DAILY FOR LEAKS AND SPILLS. THIS INCLUDES DIESEL GENERATORS, DAILY INSPECTIONS AND REGULAR PREVENTIVE MAINTENANCE OF SUCH EQUIPMENT. EQUIPMENT MAINTENANCE AREAS WILL BE LOCATED AWAY FROM STATE WATER, NATURAL DRAINS AND STORMWATER DRAINAGE INLETS. IN ADDITION, TEMPORARY FUELING TANKS SHALL HAVE A SECONDARY CONTAINMENT LINER TO PREVENT/ MINIMIZE SITE CONTAMINATION. DISCHARGE OF OILS, FUELS AND LUBRICANTS IS PROHIBITED. PROPER DISPOSAL METHODS WILL INCLUDE COLLECTION IN A SUITABLE CONTAINER AND DISPOSAL AS REQUIRED BY LOCAL AND STATE REGULATIONS.
- PAINTS/FINISHES/SOLVENTS - ALL PRODUCTS WILL BE STORED IN TIGHTLY SEALED ORIGINAL CONTAINERS WHEN NOT IN USE. EXCESS PRODUCTS WILL NOT BE DISCHARGED TO THE STORMWATER COLLECTION SYSTEM. EXCESS PRODUCT MATERIALS USED WITH THESE PRODUCTS AND PRODUCT CONTAINERS WILL BE DISPOSED OF ACCORDING TO MANUFACTURER'S SPECIFICATIONS AND RECOMMENDATIONS.
- CONCRETE TRUCK WASHING - NO CONCRETE TRUCKS WILL BE ALLOWED TO WASH OR DISCHARGE SURPLUS CONCRETE OR DRUM WASH WATER ON-SITE.
- FERTILIZER/HERBICIDES - THESE PRODUCTS WILL BE APPLIED AT RATES THAT DO NOT EXCEED THE MANUFACTURER'S SPECIFICATIONS OR ABOVE THE GUIDELINES SET FORTH IN THE CROP ESTABLISHMENT OR IN THE GSWCC MANUAL FOR EROSION AND SEDIMENT CONTROL IN GEORGIA. ANY STORAGE OF THESE MATERIALS WILL BE UNDER ROOF IN SEALED CONTAINERS.
- BUILDING MATERIALS - NO BUILDING OR CONSTRUCTION MATERIALS WILL BE BURIED OR DISPOSED OF ON-SITE. ALL SUCH MATERIAL WILL BE DISPOSED OF IN PROPER WASTE DISPOSAL PROCEDURES.

- 10. I CERTIFY UNDER PENALTY OF LAW THAT THIS PLAN WAS PREPARED AFTER A SITE VISIT TO THE LOCATIONS DESCRIBED HEREIN BY MYSELF OR MY AUTHORIZED AGENT, UNDER MY SUPERVISION.  
WALDEN, ASHWORTH & ASSOCIATES, INC.  
SIGNATURE: *Jason Rapplean* CERTIFICATION NO.: 3031 EXPIRATION DATE: 12/07/23  
JASON RAPPLEAN, P.E., EOR
- 12. I CERTIFY UNDER PENALTY OF LAW THAT THIS DOCUMENT AND ALL ATTACHMENTS WERE PREPARED UNDER MY DIRECTION OR SUPERVISION IN ACCORDANCE WITH A SYSTEM DESIGNED TO ASSURE THAT CERTIFIED PERSONNEL PROPERLY GATHER AND EVALUATE THE INFORMATION SUBMITTED. BASED ON MY INQUIRY OF THE PERSON OR PERSONS WHO MANAGE THE SYSTEM, OR THOSE PERSONS DIRECTLY RESPONSIBLE FOR GATHERING THE INFORMATION, THE INFORMATION SUBMITTED IS TO THE BEST OF MY KNOWLEDGE AND BELIEF, TRUE, ACCURATE, AND COMPLETE. I AM AWARE THAT THERE ARE SIGNIFICANT PENALTIES FOR SUBMITTING FALSE INFORMATION, INCLUDING THE POSSIBILITY OF FINE AND IMPRISONMENT FOR KNOWING VIOLATIONS.  
SIGNED BY PRIMARY PERMITTEE:  
NAME: \_\_\_\_\_ COMPANY \_\_\_\_\_ ADDRESS \_\_\_\_\_  
CITY/STATE/ZIP \_\_\_\_\_ LEVEL IA CERT NO. \_\_\_\_\_ SIGNATURE \_\_\_\_\_
- 13. A HYDROLOGY STUDY ACCOMPANIES THESE ES&PC DRAWINGS AND FORMS PART OF THE PLANS, OR IF THE PROJECT IS A MINOR LAND DISTURBING PROJECT WHERE THERE IS NO INCREASE AND/OR A REDUCTION IN THE SITE'S IMPERVIOUS AREA, AN HYDROLOGY STATEMENT SHALL BE PLACED ON THE ES&PC CLEARING AND/OR GRADING PHASE PLAN STATING WHY A HYDROLOGY STUDY IS NOT PROVIDED AND THE IMPROVEMENTS DEVOTED ON THE CONSTRUCTION PLANS WILL NOT CAUSE AN INCREASE IN PEAK RUNOFF RATES FROM THE SITE ONTO THE DOWNSTREAM PROPERTIES.
- 14. WHERE APPLICABLE NON-EXEMPT ACTIVITIES SHALL NOT BE CONDUCTED WITHIN THE 25 OR 50-FOOT UNDISTURBED STREAM BUFFERS AS MEASURED FROM THE POINT OF WRESTED VEGETATION WITHOUT FIRST ACQUIRING THE NECESSARY VARIANCES AND PERMITS.
- 15. THE PRIMARY PERMITTEE AND TERTIARY PERMITTEE(S) MUST RETAIN THE DESIGN PROFESSIONAL WHO PREPARED THE EROSION, SEDIMENTATION AND POLLUTION CONTROL PLAN, EXCEPT WHEN THE PERMITTEE HAS REQUESTED IN WRITING AND EPD HAS AGREED TO AN ALTERNATE DESIGN PROFESSIONAL, TO INSPECT THE INSTALLATION OF THE INITIAL SEDIMENT STORAGE REQUIREMENTS AND PERIMETER CONTROL BMP'S WHICH THE DESIGN PROFESSIONAL DESIGNED WITHIN SEVEREN (7) DAYS AFTER INSTALLATION. THE DESIGN PROFESSIONAL SHALL DETERMINE IF THESE BMP'S HAVE BEEN INSTALLED AND ARE BEING MAINTAINED AS DESIGNED. THE DESIGN PROFESSIONAL SHALL REPORT THE RESULTS OF THE INSPECTION TO THE PERMITTEE WITHIN SEVEN (7) DAYS AND THE PERMITTEE MUST CORRECT ALL DEFICIENCIES WITHIN TWO (2) BUSINESS DAYS OR RECEIPT OF THE INSPECTION REPORT FROM THE DESIGN PROFESSIONAL UNLESS WEATHER RELATED SITE CONDITIONS ARE SUCH THAT ADDITIONAL TIME IS REQUIRED.
- 17. THE PRIMARY, SECONDARY OR TERTIARY PERMITTEES, AS APPLICABLE, SHALL AMEND THEIR PLANS WHENEVER THERE IS A CHANGE IN DESIGN, CONSTRUCTION, OPERATION, OR MAINTENANCE, WHICH HAS A SIGNIFICANT EFFECT ON BMP'S WITH A HYDRAULIC COMPONENT. AMENDMENTS TO THE PLANS MUST BE CERTIFIED BY THE DESIGN PROFESSIONAL. ALL REVISIONS OR AMENDMENTS SHALL BE SUBMITTED TO THE LOCAL ISSUING AUTHORITY FOR REVIEW.
- 18. NO WASTE MATERIALS, INCLUDING BUT NOT LIMITED TO WASTE BUILDING MATERIALS, CONSTRUCTION AND DEMOLITION DEBRIS, CONCRETE WASHOUT OR EXCAVATED SEDIMENT, SHALL BE DISCHARGED TO WATERS OF THE STATE, EXCEPT AS AUTHORIZED BY A SECTION 404 PERMIT.

20. ALL HAZARDOUS WASTES:  
ALL HAZARDOUS WASTE MATERIALS WILL BE DISPOSED OF IN THE MANNER SPECIFIED BY LOCAL, STATE AND/OR FEDERAL REGULATIONS AND BY THE MANUFACTURER OF SUCH PRODUCTS. THE JOB SITE SUPERINTENDENT, WHO WILL ALSO BE RESPONSIBLE FOR SEEING THAT THESE PRACTICES ARE FOLLOWED, WILL INSTRUCT SITE PERSONNEL IN THESE PRACTICES. MATERIAL SAFETY DATA SHEETS (MSDS'S) FOR EACH SUBSTANCE WITH HAZARDOUS PROPERTIES THAT IS USED ON THE JOB SITE WILL BE OBTAINED AND USED FOR THE PROPER MANAGEMENT OF POTENTIAL WASTES THAT MAY RESULT FROM THESE PRODUCTS. AN MSDS WILL BE MAINTAINED IN THE ES&PC FILE AT THE JOB SITE. CONSTRUCTION TRAILER OFFICE. EACH EMPLOYEE WHO MUST HANDLE A SUBSTANCE WITH HAZARDOUS PROPERTIES WILL BE INSTRUCTED ON THE USED OF MSDS SHEETS AND THE SPECIFIC INFORMATION IN THE APPLICABLE MSDS FOR THE PRODUCT HE/SHE IS USING, PARTICULARLY REGARDING SPILL CONTROL TECHNIQUES.

SECONDARY PERMITTEES

NAME _____	COMPANY _____	ADDRESS _____
CITY/STATE/ZIP _____	LEVEL IA CERT NO. _____	SIGNATURE _____
NAME _____	COMPANY _____	ADDRESS _____
CITY/STATE/ZIP _____	LEVEL IA CERT NO. _____	SIGNATURE _____
NAME _____	COMPANY _____	ADDRESS _____
CITY/STATE/ZIP _____	LEVEL IA CERT NO. _____	SIGNATURE _____

21. SEE ES&PC INSPECTIONS PLAN FOR PRIMARY, SECONDARY AND TERTIARY PERMITTEE REQUIREMENTS; SAMPLING FREQUENCY, SAMPLE TYPE, REPORTING, RETENTION OF RECORDS AND SAMPLE REQUIREMENTS. IF SAMPLING IS NOT REQUIRED FOR THIS PROJECT, THE ES&PC INSPECTIONS PLAN WILL NOT BE INCLUDED IN THE SET OF CONSTRUCTION PLANS AND A NOTE ON THE ES&PC NOTES WILL SPECIFICALLY STATE THAT **SAMPLING IS NOT REQUIRED**.

22. THE ESCAPE OF SEDIMENT FROM THE SITE SHALL BE PREVENTED BY THE INSTALLATION OF EROSION AND SEDIMENT CONTROL MEASURES AND PRACTICES PRIOR TO, OR CONCURRENT WITH, LAND DISTURBING ACTIVITIES.

23. EROSION CONTROL MEASURES WILL BE MAINTAINED AT ALL TIMES. IF FULL IMPLEMENTATION OF THE APPROVED PLAN DOES NOT PROVIDE FOR EFFECTIVE EROSION CONTROL, ADDITIONAL EROSION AND SEDIMENT CONTROL MEASURES SHALL BE IMPLEMENTED TO CONTROL OR TREAT THE SEDIMENT SOURCE.

24. ANY DISTURBED AREA LEFT EXPOSED FOR A PERIOD GREATER THAN 14 DAYS SHALL BE STABILIZED WITH MUCH OR TEMPORARY SEEDING.

25. ALL EROSION AND SEDIMENT CONTROL MEASURES SHALL CONFORM WITH THE GUIDELINES OF THE "MANUAL FOR EROSION AND SEDIMENT CONTROL."

26. ACCORDING TO FLOOD INSURANCE RATE MAP 13067/0218H DATED MARCH 04, 2013, THE PROPERTY IS LOCATED IN FLOOD ZONE AE WHICH IS AREAS OUTSIDE THE 1% AND 2% ANNUAL CHANCE FLOOD EVENT. NO BASE FLOOD ELEVATIONS (BFEs) OR FLOOD DEPTHS ARE SHOWN ON THE COVER SHEET'S FIRM PANEL.

27. EROSION CONTROL AND TREE PROTECTION MEASURES SHALL BE INSTALLED PRIOR TO ANY OTHER CONSTRUCTION ACTIVITY AND MAINTAINED UNTIL PERMANENT GROUND COVER IS ESTABLISHED.

29. ADDITIONAL EROSION CONTROL MEASURES MAY BE REQUIRED BY FIELD INSPECTOR.

30. I CERTIFY UNDER PENALTY OF LAW THAT THIS PLAN WAS PREPARED AFTER A SITE VISIT TO THE SITE LOCATION DESCRIBED HEREIN BY MYSELF AND/OR BY MY AUTHORIZED AGENT UNDER MY DIRECT SUPERVISION.  
WALDEN, ASHWORTH & ASSOCIATES, INC.  
SIGNATURE: *Jason Rapplean* CERTIFICATION NO.: 3031 EXPIRATION DATE: 12/07/23  
JASON RAPPLEAN, P.E., EOR

THE DESIGN PROFESSIONAL WHO PREPARED THE ES&PC PLAN AND/OR HIS DESIGNEE, SHALL INSPECT THE INSTALLATION OF THE INITIAL SEDIMENT STORAGE REQUIREMENTS, PERIMETER CONTROL BMP'S AND SEDIMENT BASINS IN ACCORDANCE WITH PART IV. A.5 WITHIN 7 DAYS AFTER INSTALLATION.  
**DESIGN PROFESSIONAL / 7 DAY VISIT VERIFICATION**  
DATE OF INSPECTION \_\_\_\_\_  
I CERTIFY THE SITE WAS IN COMPLIANCE WITH THE ES&PC PLAN ON THE DATE OF INSPECTION.  
\_\_\_\_\_  
GSWCC LEVEL II DESIGN PROFESSIONAL CERTIFICATION # \_\_\_\_\_  
INSPECTION REVEALED THE FOLLOWING DISCREPANCIES FROM THE ES&PC PLAN.  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

**GENERAL EROSION CONTROL NOTES:**

- 1. EROSION CONTROL PRACTICES MUST COMPLY WITH THE MINIMUM BEST MANAGEMENT PRACTICES FOR EROSION CONTROL FOR FAYETTE COUNTY, AND SHALL COMPLY WITH THE STANDARDS/SPECIFICATIONS IN THE "MANUAL FOR EROSION AND SEDIMENT CONTROL IN GEORGIA".
- 2. IN CONCENTRATED FLOW AREAS, ALL SLOPES STEEPER THAN 2.5:1 AND WITH A HEIGHT TEN FEET OR GREATER, AND CUTS AND FILLS WITHIN STREAM BUFFERS, SHALL BE STABILIZED WITH THE APPROPRIATE EROSION CONTROL MATTING AND BLANKET.
- 3. MULCH TEMPORARY VEGETATION ON ALL EXPOSED AREAS WITHIN 14 DAYS AFTER DISTURBANCE. THIS NOTE APPLIES AFTER THE INITIAL GRADING OR DEVELOPMENT OF THE LOT.
- 4. DISTURBED AREAS LEFT IDLE FOR FIVE DAYS, AND NOT TO FINAL GRADE, WILL NEED TO ESTABLISH TEMPORARY VEGETATION BY USING Ds1 / Ds2. ALL PLANTS TO FINAL GRADE WILL BE ESTABLISHED TO PERMANENT VEGETATION BY USING Ds3 OR Ds4 IMMEDIATELY UPON COMPLETION.
- 5. WHEN PLANTING VEGETATION, MULCH (HAY OR STRAW) SHOULD BE UNIFORMLY SPREAD OVER SEEDED AREA WITHIN 24 HOURS OF SEEDING.
- 6. A LAND DISTURBANCE PERMIT/BUILDING PERMIT MUST BE DISPLAYED ON SITE AT ALL TIMES DURING CONSTRUCTION AND IN PLAIN VIEW FROM A COUNTY ROAD OR STREET.
- 7. EROSION AND SEDIMENT CONTROL DEVICES MUST BE INSTALLED AND INSPECTED PRIOR TO ANY GRADING ON SITE.
- 8. SEDIMENT/EROSION CONTROL DEVICES MUST BE CHECKED AFTER EACH STORM EVENT. EACH DEVICE IS TO BE MAINTAINED OR REPLACED IF SEDIMENT ACCUMULATION HAS REACHED ONE HALF THE CAPACITY OF THE DEVICE. ADDITIONAL DEVICES MUST BE INSTALLED IF NEW CHANNELS HAVE DEVELOPED.
- 9. THE USE OF POLYMERS (PAWS) IS ACCEPTED AS A BMP AS RECOMMENDED BY THE STATE SOIL & WATER CONSERVATION COMMISSION BMP "GREEN BOOK". POLYMERS USED TO STABILIZE CONSTRUCTION SITES MUST BE USED IN CONJUNCTION WITH MULCHING AND OR HYDRO SEEDING.
- 10. ADDITIONAL EROSION CONTROL DEVICES TO BE USED AS REQUIRED BY FAYETTE COUNTY.
- 11. IF STREAMS ARE ON YOUR SITE, FAYETTE COUNTY WILL REQUIRE THAT THE STREAM BUFFERS BE LEFT UNDISTURBED, EXCEPT FOR PUBLIC ROAD AND UTILITY CROSSINGS.
- 12. THE ES&PC FACILITIES SHOWN ON THIS PLAN ARE THE MINIMUM REQUIREMENTS FOR ANTICIPATED SITE CONDITIONS. DURING THE CONSTRUCTION/LAND DISTURBANCE PERIOD, THESE ES&PC FACILITIES SHALL BE UPGRADED AS NEEDED FOR UNEXPECTED STORM EVENTS AND TO ENSURE THAT SEDIMENT AND SEDIMENT-LADEN WATER NO NOT LEAVE THE SITE.
- 13. THE ES&PC FACILITIES SHALL BE INSPECTED DAILY BY THE APPLICANT/CONTRACTOR AND MAINTAINED AS NECESSARY TO ENSURE THEIR CONTINUED FUNCTIONING.
- 14. THE ES&PC FACILITIES ON INACTIVE SITES SHALL BE INSPECTED AND MAINTAINED AS NECESSARY TO ENSURE THEIR CONTINUED FUNCTIONING.
- 15. I CERTIFY AS THE PLAN DESIGNER THAT I HAVE VISITED THE SITE PRIOR TO THE DESIGN OF THE ES&PC PLANS.
- 16. SILT FENCE CANNOT BE USED TO STORE SEDIMENT. THE USE OF BASINS, SEDIMENT TRAPS AND OTHER SIMILAR BMP'S IN ACCORDANCE WITH STATE LAW ARE REQUIRED.
- 17. STABILIZED CONSTRUCTION EXITS SHALL BE INSTALLED AT THE BEGINNING OF LAND DISTURBANCE AND MAINTAINED FOR THE DURATION OF THE PROJECT. ADDITIONAL MEASURES MAY BE REQUIRED TO ENSURE THAT ALL PAVED AREAS ARE KEPT CLEAN FOR THE DURATION OF THE PROJECT.
- 18. IF THE CONTRACTOR CHOOSES TO UTILIZE AN ALTERNATIVE TYPE C SILT FENCE TECHNOLOGY, IT SHALL BE IDENTIFIED IN GA DOT DOCUMENT OPL-36. ANY ALTERNATIVE TECHNOLOGY NOT IDENTIFIED IN THIS DOCUMENT CANNOT BE UTILIZED WITHOUT THE DESIGN ENGINEER REVSING THE APPROVED ES&PC PLAN WITH REVIEW AND APPROVAL BY FAYETTE COUNTY.
- 19. NO CLEARING OF THE SITE UNTIL ALL BASINS, DIVERSIONS, AND SEDIMENT CONTROLS ARE INSTALLED, STABILIZED, AND FUNCTIONAL.
- 20. THE IMPLEMENTATION OF THIS ES&PC PLAN AND THE CONSTRUCTION, MAINTENANCE, REPLACEMENT, AND UPGRADING OF THESE ES&PC FACILITIES IS THE RESPONSIBILITY OF THE APPLICANT/CONTRACTOR UNTIL ALL CONSTRUCTION IS COMPLETED AND APPROVED AND VEGETATION/LANDSCAPING IS ESTABLISHED PER CITY CODE.
- 21. THE ES&PC FACILITIES SHOWN ON THIS PLAN MUST BE CONSTRUCTED IN CONJUNCTION WITH ALL CLEARING AND GRADING ACTIVITIES, AND IN SUCH A MANNER AS TO INSURE THAT SEDIMENT AND SEDIMENT-LADEN WATER DO NOT ENTER THE DRAINAGE SYSTEM, ROADWAYS, OR VIOLATE APPLICABLE WATER QUALITY STANDARDS.
- 22. AT NO TIME SHALL MORE THAN ONE FOOT OF SEDIMENT BE ALLOWED TO ACCUMULATE WITHIN AN INLET/CATCH BASIN/STORMWATER MANHOLE. ALL INLET/CATCH BASIN/STORMWATER MANHOLES AND CONVEYANCE LINES SHALL BE CLEANED PRIOR TO PAVING. THE CLEANING OPERATION SHALL NOT FLUSH SEDIMENT-LADEN WATER INTO DOWNSTREAM SYSTEMS OR STATE WATERS.
- 23. LAND DISTURBANCE CANNOT BEGIN ON THE SITE UNTIL AFTER THE PRECONSTRUCTION CONFERENCE AND THE EROSION CONTROL INSPECTOR GIVES THE LDA PERMIT TO THE CONTRACTOR. PRESENT FOR THE PRECONSTRUCTION CONFERENCE SHALL BE: GENERAL CONTRACTOR, GRADING CONTRACTOR, AND OWNER. THE DESIGN PROFESSIONAL MAY BE PRESENT AT THE DIRECTION OF THE OWNER.
- 24. IF ANY SEDIMENT OR SEDIMENT-LADEN WATER REACHES THE CREEK(S) IN THE OPINION OF THE CITY INSPECTOR, A STOP WORK ORDER WILL BE IMMEDIATELY ISSUED. SEDIMENT INTO A STATE WATER IS A VIOLATION SUBJECT TO CITATION BY THE CITY OR GA EPD.

**EROSION CONTROL NARRATIVE**

- 1. THE SITE FOR THE PHILLIPS LAKE DAM IS LOCATED IN LAND LOT 219 OF THE 5TH DISTRICT IN FAYETTE COUNTY. THE PHILLIPS LAKE DAM IS A 12.8 ACRE LAKE IN FAYETTE COUNTY, GEORGIA. WATER FROM PHILLIPS LAKE FLOWS DIRECTLY INTO A TRIBUTARY OF MORNING CREEK.
- 2. THE SITE IS OWNED BY BETTIE PHILLIPS EST. AND/OR FAYETTE COUNTY.
- 3. THE LAKE IS 12.8 ACRES AT NORMAL POOL AND APPROXIMATELY 5.7 ACRES WILL BE DISTURBED BY CONSTRUCTION OF THE NEW SPILLWAY ACROSS THE ROADWAY THAT WILL DISCHARGE INTO A TRIBUTARY OF MORNING CREEK.
- 4. SEE PLAN FOR ALL TEMPORARY AND PERMANENT VEGETATIVE PLANTINGS AND PRACTICES TO BE UTILIZED ON THE SITE.
- 5. THE SEDIMENT AND EROSION CONTROL DETAILS TO BE UTILIZED ON THE SITE AREA SHOWN ON DRAWINGS C-205 & 206 AND ARE AVAILABLE WITHIN THE LATEST EDITION OF THE GEORGIA SEDIMENT AND EROSION CONTROL MANUAL.
- 6. ALL EROSION AND SEDIMENT CONTROL MEASURES SHALL BE MAINTAINED AT ALL TIMES. ADDITIONAL EROSION AND SEDIMENT CONTROL MEASURES AND PRACTICES SHALL BE INSTALLED AS DEEMED NECESSARY BY ON-SITE INSPECTION.
- 7. THE MAINTENANCE OF ALL SEDIMENT AND EROSION CONTROL MEASURES AND PRACTICES, WHETHER TEMPORARY OR PERMANENT, SHALL BE AT ALL TIMES THE RESPONSIBILITY OF THE CONTRACTOR UNTIL SUBSTANTIAL COMPLETION.
- 8. THE DAM REHABILITATION WILL RESULT IN STREAM BUFFER DISTURBANCE AND WILL REQUIRE AN ENVIRONMENTAL PROTECTION DIVISION (EPD) BUFFER VARIANCE.

CONSTRUCTION SCHEDULE										
MONTHS	1	2	3	4	5	6	7	8	9	10
ACTIVITY										
SOFTENING	■									
FILTER RINGS	■									
TURB. CURTAIN	■									
SAW CUTTING		■								
COFFER DAM	■	■	■	■	■					
EROSION CONTROL			■	■	■	■	■	■	■	■
SPILLWAY CONSTRUCTION & DAM RENOV.			■	■	■	■	■	■	■	■
GRASSING TEMPORARY			■	■	■	■	■	■	■	■
GRASSING FINAL								■	■	■
FINAL LANDSCAPING									■	■

APPROVED  
STATE OF GEORGIA  
DEPT OF NATURAL RESOURCES

AUG 17 2023  
*Carl Shute*  
Environmental Protection Division  
Safe Dams Program

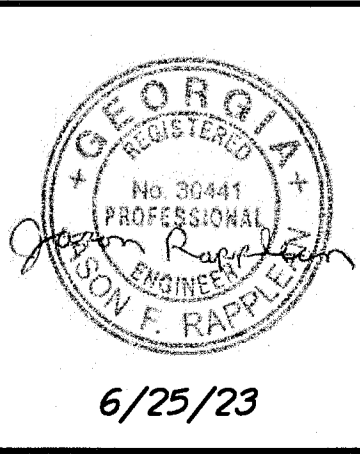


**PRIMARY PERMITTEE**  
**OWNER:**  
FAYETTE COUNTY BOARD OF COMMISSIONERS  
140 STONEWALL AVENUE WEST  
FAYETTEVILLE, GEORGIA 30214  
CONTACT: MR. PHIL MALLON  
PHONE: (770) 320-6010  
**24 HR. CONTACT PERSON**  
PHIL MALLON  
(770) 313-9855

THE SITE IS LOCATED ON LONGVIEW ROAD IN LAND LOT 198 OF FAYETTE COUNTY, FAYETTEVILLE, GEORGIA.

**RELEASED FOR CONSTRUCTION**  
BY: MARTIN L. WALDEN, P.E. DATE: 9-15-21

APPROVED 07/13/2023 FAYETTE COUNTY ENVIRONMENTAL MANAGEMENT															
NO.	REVISIONS	MADE	CKD.	DATE	NO.	REVISIONS	MADE	CKD.	DATE						
1	REV. LEVEL 2 PROFESSIONAL AND EOR, UPDATE NOTES	JH	JR	6/25/23											



SCALE: AS SHOWN	DATE
DESIGN BY: JCL/JMH/JR	12/20
DRAWN BY: JCL/JMH/JR	12/20
CHECKED BY: MLW/JR	12/20
COA: PEF00707	EXP: 06/30/2024
JASON RAPPLEAN, VP, PE, EOR LEVEL 2 CERTIFICATION # 3031 EXPIRATION DATE: 12/07/23	

**PHILLIPS LAKE ES&PC NOTES AND CHECKLIST**  
**FAYETTE COUNTY**



**WALDEN, ASHWORTH & ASSOCIATES, INC.**  
CONSULTING ENGINEERS  
P.O. BOX  
MARIETTA, GEORGIA 30065  
(770) 956 - 7897  
COA: PEF00707 EXP: 06/30/2020

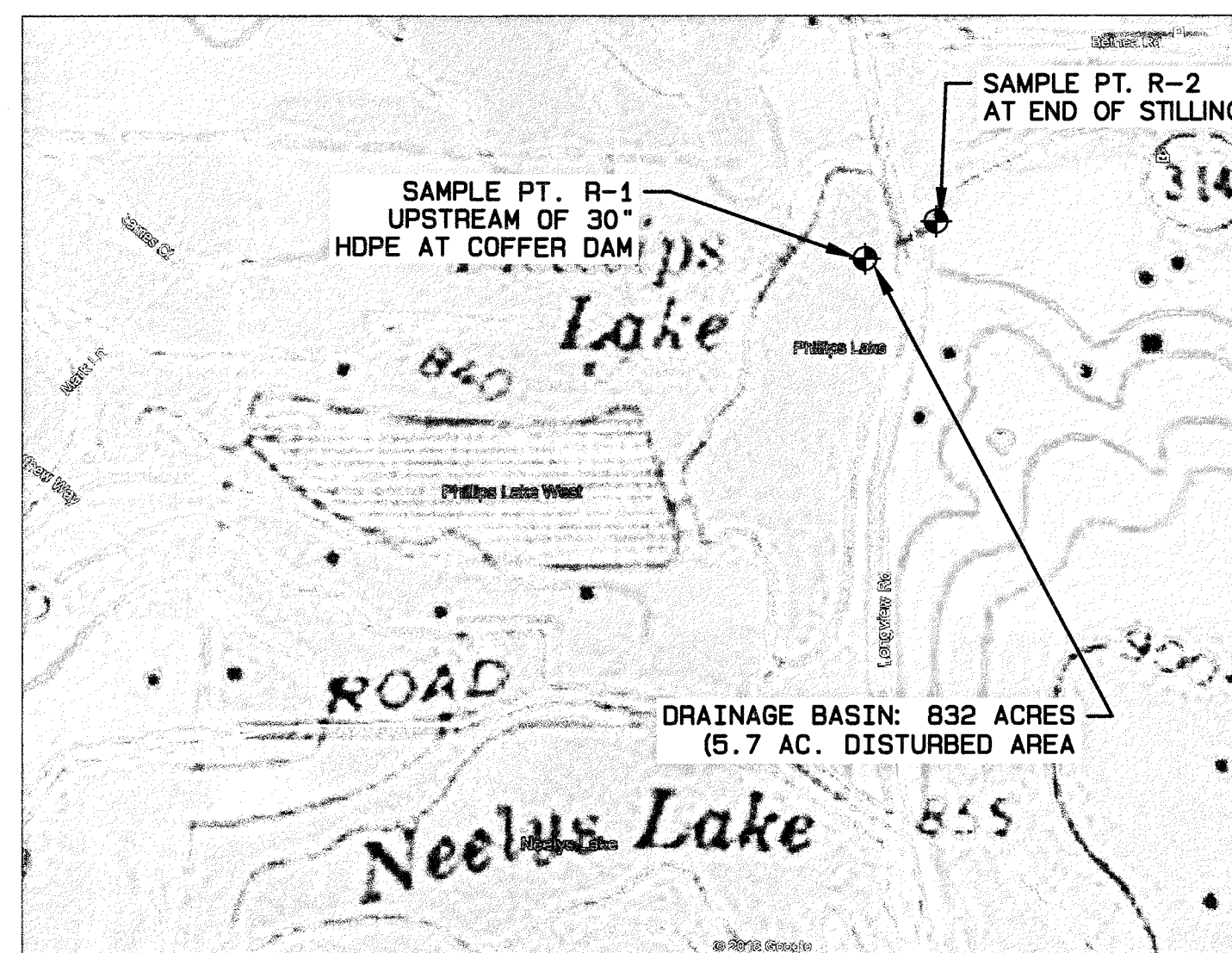
JOB NO. 3804600  
DRAWING NUMBER **38046-C-200**  
REV. NO. **1**



EROSION, SEDIMENTATION & POLLUTION CONTROL INSPECTION NOTES:

1. THE PRIMARY PERMITTEE AND TERTIARY PERMITTEE(S) MUST RETAIN THE DESIGN PROFESSIONAL WHO PREPARED THE EROSION, SEDIMENTATION AND POLLUTION CONTROL PLAN... 2. THE PRIMARY, SECONDARY OR TERTIARY PERMITTEES, AS APPLICABLE, SHALL AMEND THEIR PLANS WHENEVER THERE IS A CHANGE IN DESIGN... 3. INSPECTIONS: A. PERMITTEE REQUIREMENTS. (1) EACH DAY WHEN ANY TYPE OF CONSTRUCTION ACTIVITY HAS TAKEN PLACE AT A PRIMARY PERMITTEE'S SITE...

- (C). AT THE TIME OF SAMPLING PERFORMED PURSUANT TO (A) AND (B) ABOVE, IF BMPS IN ANY AREA OF THE SITE THAT DISCHARGES TO A RECEIVING WATER... (D). WHERE SAMPLING PURSUANT TO (A), (B) OR (C) ABOVE IS REQUIRED BUT NOT POSSIBLE... (E). EXISTING CONSTRUCTION ACTIVITIES, I.E., THOSE THAT ARE OCCURRING ON OR BEFORE THE EFFECTIVE DATE OF THIS PERMIT...



MAP SAMPLING LOCATION (USGS) MAP SCALE: 1"=500'

N/A	N/A	30
N/A	N/A	40
C-202	Y	41
C-202	Y	42
C-103	Y	43
HYDRG	Y	44
HYDRG	Y	45
HYDRG	Y	46
C-202	Y	47
C-200	Y	48
N/A	N/A	49

Waters Supporting Warm Water Fisheries

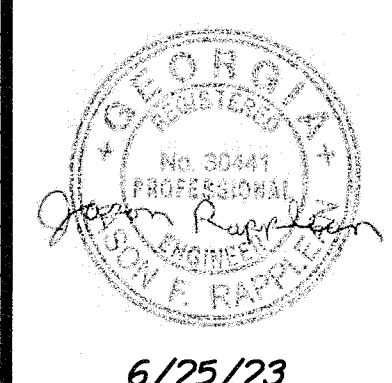
Site Size, acres	0-4.99	5-9.99	10-24.99	25-49.99	50-99.99	100-249.99	250-499.99	500+
1.00-10	150	200	400	750	750	750	750	750
10.01-25	50	100	100	200	300	500	750	750
25.01-50	50	50	100	100	200	300	750	750
50.01-100	50	50	50	100	100	150	300	600
100.01+	50	50	50	50	50	100	200	100

EROSION, SEDIMENTATION & POLLUTION CONTROL PLAN CHECKLIST INFRASTRUCTURE CONSTRUCTION PROJECTS

Page #	Y/N	Description
C-201	Y	1 The applicable Erosion, Sedimentation and Pollution Control Plan Checklist established by the Commission as of January 1 of the year in which the land-disturbing activity was permitted.
C-200	Y	2 Level II certification number issued by the Commission, signature and seal of the certified design professional.
C-200	Y	3 The name and phone number of the 24-hour local contact responsible for erosion, sedimentation and pollution controls.
C-200	Y	4 Provide the name, address, email address, and phone number of primary permittee.
C-200	Y	5 Note total and disturbed acreage of the project or phase under construction.
C-200	Y	6 Provide the GPS locations of the beginning and end of the infrastructure project. Give the Latitude and Longitude in decimal degrees.
C-200	Y	7 Initial date of the Plan and the dates of any revisions made to the Plan including the entity who requested the revisions.
C-200	Y	8 Description of the nature of construction activity.
C-201	Y	9 Provide vicinity map showing site's relation to surrounding areas. Include designation of specific phase, if necessary.
C-200	Y	10 Identify the project receiving waters and describe all sensitive adjacent areas including streams, lakes, residential areas, wetlands, marshlands, etc. which may be affected.
C-200	Y	11 Design professional's certification statement and signature that the site was visited prior to development of the ES&PC Plan as stated on Part IV page 21 of the permit.
C-200	Y	12 Design professional's certification statement and signature that the permittee's ES&PC Plan provides for an appropriate and comprehensive system of BMPs and sampling to meet permit requirements as stated on Part IV page 20 of the permit.
C-200	Y	13 Design professional certification statement and signature that the permittee's ES&PC Plan provides for representative sampling as stated on Part I.V.D.6.c.(3) page 37 of the permit as applicable.
C-200	Y	14 Clearly note the statement that "The design professional who prepared the ES&PC Plan is to inspect the installation of the initial sediment storage requirements, perimeter control BMPs, and sediment basins within 7 days after installation."
C-202	Y	15 Clearly note the statement that "Non-exempt activities shall not be conducted within the 25 or 50-foot undisturbed stream buffers as measured from the point of arested vegetation or within 25-feet of the coastal marshland buffer as measured from the Jurisdictional Determination Line without first acquiring the necessary variances and permits."

C-200	Y	16
C-202	Y	17
C-202	Y	18
C-202	Y	19
C-202	Y	20
C-202	Y	21
C-202	Y	22
C-202	Y	23
C-202	Y	24
C-202	Y	25
C-200	Y	26
C-200	Y	27
N/A	N/A	28
N/A	N/A	29
C-200	Y	30
C-201	Y	31
C-201	Y	32
C-201	Y	33
C-201	Y	34
C-201	Y	35
C-202	Y	36
C-202	Y	37
C-202	Y	38

APPROVED STATE OF GEORGIA DEPT OF NATURAL RESOURCES AUG 17 2023



THE SITE IS LOCATED ON LONGVIEW ROAD IN LAND LOT 19B OF FAYETTE COUNTY, FAYETTEVILLE, GEORGIA.

SCALE:	AS SHOWN	DATE:	12/20
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COA:	PEF00707	EXP:	06/30/2024

PHILLIPS LAKE ES&PC MONITORING NOTES FAYETTE COUNTY

811 logo with text: Know what's below. Call before you dig. PRIMARY PERMITTEE OWNER: FAYETTE COUNTY BOARD OF COMMISSIONERS 140 STONEWALL AVENUE WEST FAYETTEVILLE, GEORGIA 30214

RELEASED FOR CONSTRUCTION BY: MARTIN L. WALDEN, P.E. DATE: 9-15-21

WALDEN, ASHWORTH & ASSOCIATES, INC. CONSULTING ENGINEERS P.O. BOX MARIETTA, GEORGIA 30065 (770) 956-7897 COA: PEF000707 EXP: 06/30/2020

NO.	REV. LEVEL	2	PROFESSIONAL AND EOR, UPDATE NOTES	JH	JR	6/25/23	NO.	REVISIONS	MADE	CKD.	DATE
1											

JASON RAPPLEAN, VP, PE, EOR	LEVEL 2 CERTIFICATION # 3031	EXPIRATION DATE: 12/07/23	JOB NO. 3804600	DRAWING NUMBER 38046-C-201	REV. NO. 1
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STATE WATERS EXIST WITHIN 200 FEET OF THE SITE. THE RECEIVING WATERS FROM THIS SITE IS A TRIBUTARY OF THE MOURNING CREEK.

THE ESCAPE OF SEDIMENT FROM THE SITE SHALL BE PREVENTED BY THE INSTALLATION OF EROSION AND SEDIMENT CONTROL MEASURES AND PRACTICES PRIOR TO LAND-DISTURBING ACTIVITIES. EROSION CONTROL MEASURES WILL BE MAINTAINED AT ALL TIMES. IF FULL IMPLEMENTATION OF THE APPROVED PLAN DOES NOT PROVIDE FOR EFFECTIVE EROSION CONTROL, ADDITIONAL EROSION AND SEDIMENT CONTROL MEASURES SHALL BE IMPLEMENTED TO CONTROL OR TREAT THE SEDIMENT SOURCE, OR AS DIRECTED BY THE EROSION CONTROL INSPECTOR.

ANY DISTURBED AREA LEFT EXPOSED FOR A PERIOD GREATER THAN 14 DAYS SHALL BE STABILIZED WITH MULCH OR TEMPORARY SEEDING.

NOTE: AMENDMENTS/REVISIONS TO THE ES&PC PLAN WHICH HAVE A SIGNIFICANT EFFECT ON BMP'S WITH A HYDRAULIC COMPONENT MUST BE CERTIFIED BY THE DESIGN PROFESSIONAL.

NOTE: ALL NON-EXEMPT ACTIVITIES SHALL NOT BE CONDUCTED WITHIN THE 25 OR 50' UNDISTURBED STREAM BUFFERS AS MEASURED FROM THE POINT OF WRESTED VEGETATION WITHOUT FIRST ACQUIRING THE NECESSARY VARIANCES AND PERMITS.

NOTE: WASTE MATERIALS SHALL NOT BE DISCHARGED TO WATERS OF THE STATE, EXCEPT AS AUTHORIZED BY A SECTION 404 PERMIT.

HYDROLOGY STATEMENT:  
THE PHILLIPS LAKE DAM RENOVATION PROJECT IS A NOT PEAK DISCHARGE INCREASE PROJECT, SO THE CONSTRUCTION OF THIS PROJECT IS NOT ANTICIPATED TO ADVERSELY AFFECT THE DOWNSTREAM PROPERTY OWNERS. THE PURPOSE OF THE PROJECT IS TO PREVENT THE DAM FOR OVERTOPPING AND POTENTIALLY FAILING. SEE THE LAYOUT PLAN, DWG. C-103 FOR DRAINAGE BASIN INFORMATION, STORAGE VOLUMES, INFLOW AND OUTFLOW FOR EACH STORM EVENT STUDIED AND THEIR CORRESPONDING ELEVATION IN THE LAKE, ETC.



SOILS LEGEND	
CA	MADISON FINE SANDY LOAM 10% TO 15% SLOPES
CeB	TALLAPOOSA FINE SANDY LOAM 15% TO 25% SLOPES
CeC	TALLAPOOSA CHANNERY SANDY LOAM 25% TO 60% SLOPES
PaE	TALLAPOOSA GRAVELLY SANDY CLAY LOAM 10% TO 25% SLOPES
To	TOCCOA COMPLEX
W	TOCCOA COMPLEX

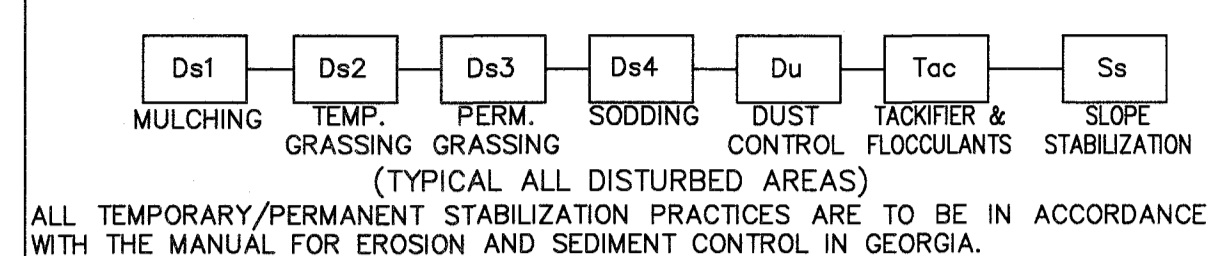
NOTE: NO WASTE DISPOSAL OR PETROLEUM STORAGE IS PERMITTED ON SITE. ALL WASTE DISPOSAL & PETROLEUM STORAGE TO BE OFF SITE. SEE NOTE 7 IN THE ES&PC NOTES FOR SPILL CLEANUP AND CONTROL PRACTICES.

ALL WETLANDS WITHIN THE SITE HAVE BEEN DELINEATED

NOTE: THE CONTRACTOR SHALL INSTALL A DOUBLE ROW OF SILT FENCE TYPE SENSITIVE NEAR WETLANDS AND STATE AND/OR COUNTY WATER BUFFERS.

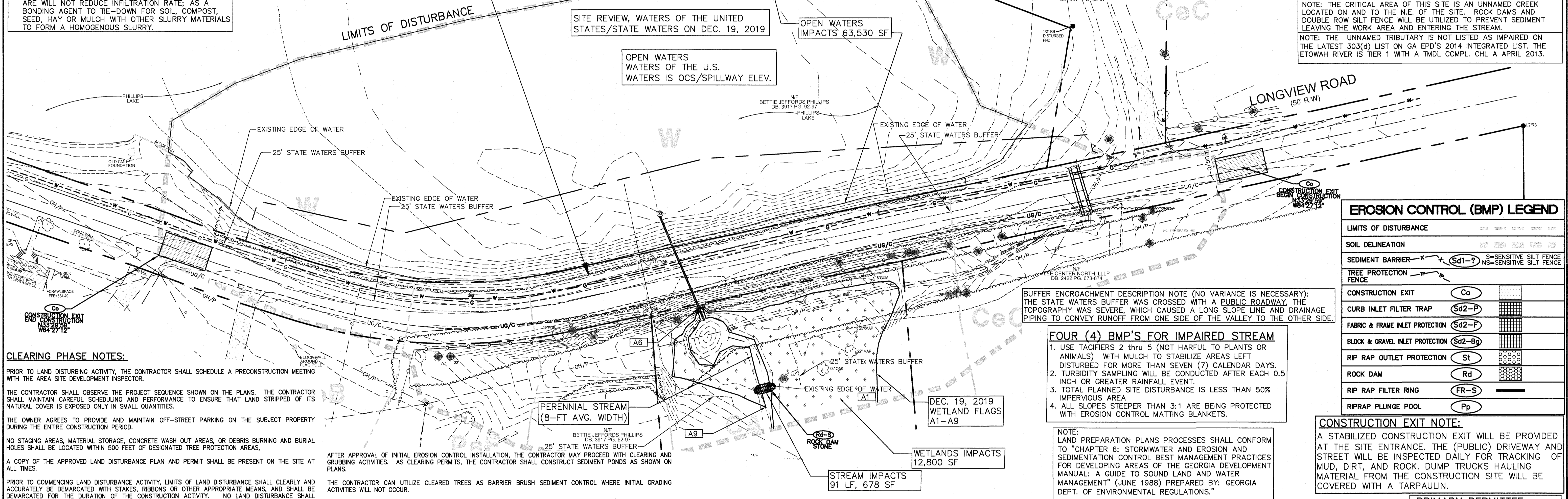
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NOTE: THE UNNAMED TRIBUTARY IS NOT LISTED AS IMPAIRED ON THE LATEST 303(d) LIST ON GA EPD'S 2014 INTEGRATED LIST. THE ETOWAH RIVER IS TIER 1 WITH A TMDL COMPL. CHL A APRIL 2013.



NOTE: CONCRETE WASH-DOWN OF EQUIPMENT WILL BE PERMITTED ON-SITE IN AN APPROVED PREFABRICATED BASIN, AT A LOCATION APPROVED BY THE OWNER. BASIN TO BE CLEANED OUT DAILY.

NOTE: ONLY USE TACKIFIERS 2 thru 5 THAT ARE NOT HARMFUL TO PLANTS, ANIMALS OR AQUATIC LIFE AND ARE WILL NOT REDUCE INFILTRATION RATE; AS A BONDING AGENT TO TIE-DOWN FOR SOIL, COMPOST, SEED, HAY OR MULCH WITH OTHER SLURRY MATERIALS TO FORM A HOMOGENOUS SLURRY.



**CLEARING PHASE NOTES:**

PRIOR TO LAND DISTURBING ACTIVITY, THE CONTRACTOR SHALL SCHEDULE A PRECONSTRUCTION MEETING WITH THE AREA SITE DEVELOPMENT INSPECTOR.

THE CONTRACTOR SHALL OBSERVE THE PROJECT SEQUENCE SHOWN ON THE PLANS. THE CONTRACTOR SHALL MAINTAIN CAREFUL SCHEDULING AND PERFORMANCE TO ENSURE THAT LAND STRIPPED OF ITS NATURAL COVER IS EXPOSED ONLY IN SMALL QUANTITIES.

THE OWNER AGREES TO PROVIDE AND MAINTAIN OFF-STREET PARKING ON THE SUBJECT PROPERTY DURING THE ENTIRE CONSTRUCTION PERIOD.

NO STAGING AREAS, MATERIAL STORAGE, CONCRETE WASH OUT AREAS, OR DEBRIS BURNING AND BURIAL HOLES SHALL BE LOCATED WITHIN 500 FEET OF DESIGNATED TREE PROTECTION AREAS.

A COPY OF THE APPROVED LAND DISTURBANCE PLAN AND PERMIT SHALL BE PRESENT ON THE SITE AT ALL TIMES.

PRIOR TO COMMENCING LAND DISTURBANCE ACTIVITY, LIMITS OF LAND DISTURBANCE SHALL CLEARLY AND ACCURATELY BE DEMARCATED WITH STAKES, RIBBONS OR OTHER APPROPRIATE MEANS, AND SHALL BE DEMARCATED FOR THE DURATION OF THE CONSTRUCTION ACTIVITY. NO LAND DISTURBANCE SHALL OCCUR OUTSIDE THE LIMITS INDICATED ON THE APPROVED PLANS.

PRIOR TO ANY OTHER CONSTRUCTION, A STABILIZED CONSTRUCTION ENTRANCE SHALL BE CONSTRUCTED AT EACH POINT OF ENTRY TO OR EXIT FROM THE SITE OR ONTO ANY PUBLIC ROADWAY.

THE FOLLOWING INITIAL EROSION CONTROL MEASURES SHALL BE IMPLEMENTED PRIOR TO ANY OTHER CONSTRUCTION ACTIVITY:

1. THE CONSTRUCTION EXIT SHALL BE PLACED AS SHOWN ON THE PLANS.
  2. IMMEDIATELY AFTER THE ESTABLISHMENT OF CONSTRUCTION EXIT, ALL PERIMETER EROSION CONTROL AND STORMWATER MANAGEMENT DEVICES SHALL BE INSTALLED AS SHOWN ON THE CLEARING PHASE EROSION CONTROL PLAN.
  3. TREE PROTECTION FENCING SHALL BE INSTALLED PRIOR TO THE START OF ANY LAND DISTURBING ACTIVITY.
- WITHIN SEVEN (7) DAYS AFTER INSTALLATION OF INITIAL EROSION CONTROL MEASURES, THE SITE CONTRACTOR SHALL SCHEDULE AN INSPECTION BY THE PROJECT DESIGN PROFESSIONAL. NO OTHER CONSTRUCTION ACTIVITIES SHALL OCCUR UNTIL THE PROJECT PROFESSIONAL APPROVES THE INSTALLATION OF SAID EROSION CONTROL MEASURES. IF UNFORESEEN CONDITIONS EXIST IN THE FIELD THAT WARRANT ADDITIONAL EROSION CONTROL MEASURES, THE CONTRACTOR MUST CONSTRUCT ANY ADDITIONAL EROSION CONTROL DEVICES DEEMED NECESSARY BY THE PROJECT PROFESSIONAL DURING THE SITE INSPECTION.

AFTER APPROVAL OF INITIAL EROSION CONTROL INSTALLATION, THE CONTRACTOR MAY PROCEED WITH CLEARING AND GRUBBING ACTIVITIES. AS CLEARING PERMITS, THE CONTRACTOR SHALL CONSTRUCT SEDIMENT PONDS AS SHOWN ON PLANS.

THE CONTRACTOR CAN UTILIZE CLEARED TREES AS BARRIER BRUSH SEDIMENT CONTROL WHERE INITIAL GRADING ACTIVITIES WILL NOT OCCUR.

NO BURN OR BURY PITS SHALL BE PERMITTED ON THE CONSTRUCTION SITE WITHOUT WRITTEN PERMISSION BY THE OWNER AND/OR THE ENGINEER OF RECORD.

ALL SILT FENCES MUST MEET THE REQUIREMENTS OF SECTION 171-TEMPORARY SILT FENCE FOR THE DEPARTMENT OF TRANSPORTATION, STATE OF GEORGIA, STANDARD SPECIFICATIONS, 1983 EDITION.

MULCH OR TEMPORARY GRASSING SHALL BE APPLIED TO ALL EXPOSED AREAS WITHIN 7 DAYS OF LAND DISTURBANCE. ALL DISTURBED AREAS LEFT MULCHED MORE THAN 30 DAYS SHALL BE STABILIZED WITH TEMPORARY VEGETATION.

SEDIMENT AND EROSION CONTROL MEASURES MUST BE CHECKED AFTER EACH RAIN EVENT. EACH DEVICE IS TO BE MAINTAINED OR REPLACED IF SEDIMENT ACCUMULATION HAS REACHED HALF THE CAPACITY OF THE DEVICE. ADDITIONAL DEVICES MUST BE INSTALLED IF NEW CHANNELS HAVE DEVELOPED.

THE CONSTRUCTION EXIT SHALL BE MAINTAINED IN A CONDITION WHICH WILL PREVENT TRACK OR FLOW OF MUD ONTO PUBLIC RIGHT-OF-WAY. THIS MAY REQUIRE PERIODIC TOP DRESSING WITH 1"-3" OF STONE, AS CONDITIONS DEMAND. ALL MATERIALS SPILLED, DROPPED, WASHED OR TRACKED FROM A VEHICLE ONTO PUBLIC ROADWAY OR INTO STORM DRAIN MUST BE REMOVED IMMEDIATELY.

CONTRACTOR SHALL INSPECT EROSION CONTROL MEASURES AT THE END OF EACH WORKING DAY TO ENSURE PROPER FUNCTIONING. FAILURE TO INSTALL, OPERATE OR MAINTAIN ALL EROSION CONTROL MEASURES WILL RESULT IN ALL CONSTRUCTION BEING STOPPED ON THE SITE UNTIL SUCH MEASURES ARE CORRECTED BACK TO THE APPROVED PLANS.

FOR ADDITIONAL EROSION CONTROL NOTES FOR EACH ES&PC PHASE, SEE CONTROL NOTES DRAWINGS.

BUFFER ENCROACHMENT DESCRIPTION NOTE (NO VARIANCE IS NECESSARY): THE STATE WATERS BUFFER WAS CROSSED WITH A PUBLIC ROADWAY. THE TOPOGRAPHY WAS SEVERE, WHICH CAUSED A LONG SLOPE LINE AND DRAINAGE PIPING TO CONVEY RUNOFF FROM ONE SIDE OF THE VALLEY TO THE OTHER SIDE.

**FOUR (4) BMP'S FOR IMPAIRED STREAM**

1. USE TACKIFIERS 2 thru 5 (NOT HARMFUL TO PLANTS OR ANIMALS) WITH MULCH TO STABILIZE AREAS LEFT DISTURBED FOR MORE THAN SEVEN (7) CALENDAR DAYS.
2. TURBIDITY SAMPLING WILL BE CONDUCTED AFTER EACH 0.5 INCH OR GREATER RAINFALL EVENT.
3. TOTAL PLANNED SITE DISTURBANCE IS LESS THAN 50% IMPERVIOUS AREA
4. ALL SLOPES STEEPER THAN 3:1 ARE BEING PROTECTED WITH EROSION CONTROL MATTING BLANKETS.

NOTE: LAND PREPARATION PLANS PROCESSES SHALL CONFORM TO "CHAPTER 6: STORMWATER AND EROSION AND SEDIMENTATION CONTROL BEST MANAGEMENT PRACTICES FOR DEVELOPING AREAS OF THE GEORGIA DEVELOPMENT MANUAL: A GUIDE TO SOUND LAND AND WATER MANAGEMENT" (JUNE 1988) PREPARED BY: GEORGIA DEPT. OF ENVIRONMENTAL REGULATIONS."

**EROSION CONTROL (BMP) LEGEND**

LIMITS OF DISTURBANCE	---
SOIL DELINEATION	---
SEDIMENT BARRIER	Sd1-P (S) SENSITIVE SILT FENCE NS-SENSITIVE SILT FENCE
TREE PROTECTION FENCE	---
CONSTRUCTION EXIT	Co
CURB INLET FILTER TRAP	Sd2-P
FABRIC & FRAME INLET PROTECTION	Sd2-F
BLOCK & GRAVEL INLET PROTECTION	Sd2-Bg
RIP RAP OUTLET PROTECTION	St
ROCK DAM	Rd
RIP RAP FILTER RING	FR-S
RIPRAP PLUNGE POOL	Pp

**CONSTRUCTION EXIT NOTE:**

A STABILIZED CONSTRUCTION EXIT WILL BE PROVIDED AT THE SITE ENTRANCE. THE (PUBLIC) DRIVEWAY AND STREET WILL BE INSPECTED DAILY FOR TRACKING OF MUD, DIRT, AND ROCK. DUMP TRUCKS HAULING MATERIAL FROM THE CONSTRUCTION SITE WILL BE COVERED WITH A TARPULIN.

**PRIMARY PERMITTEE**

OWNER:  
FAYETTE COUNTY  
BOARD OF COMMISSIONERS  
140 STONEWALL AVENUE WEST  
FAYETTEVILLE, GEORGIA 30214  
CONTACT: MR. PHIL MALLON  
PHONE: (770) 320-6010

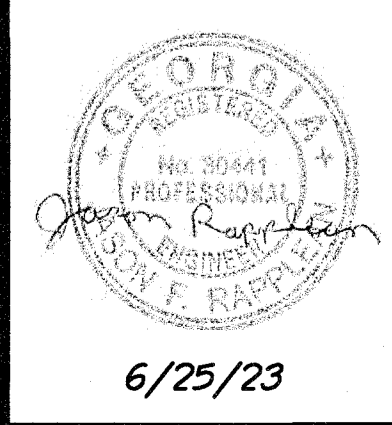
**24 HR. CONTACT PERSON**  
PHIL MALLON  
(770) 313-9855



RELEASED FOR CONSTRUCTION  
BY: MARTIN L. WALDEN, P.E. DATE: 9-15-21

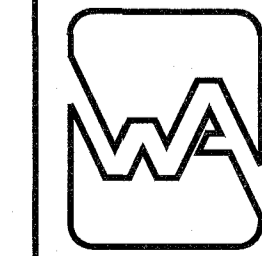
THE SITE IS LOCATED ON LONGVIEW ROAD IN LAND LOT 198 OF FAYETTE COUNTY, FAYETTEVILLE, GEORGIA.

APPROVED  
STATE OF GEORGIA  
DEPT OF NATURAL RESOURCES  
AUG 17 2023  
Environmental Protection Division  
Safe Dams Program



SCALE: 1"=40'	DATE
DESIGN BY: JCL/JMH/JR	12/20
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**PHILLIPS LAKE  
ES&PC  
INITIAL PLAN  
FAYETTE COUNTY**



**WALDEN, ASHWORTH & ASSOCIATES, INC.**  
CONSULTING ENGINEERS  
P.O. BOX  
MARIETTA, GEORGIA 30065  
(770) 956-7897  
COA: PEF00707 EXP: 06/30/2020

NO.	REVISIONS	MADE	CKD.	DATE	NO.	REVISIONS	MADE	CKD.	DATE
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JOB NO. 3804600	DRAWING NUMBER <b>38046-C-202</b>	REV. NO. <b>1</b>
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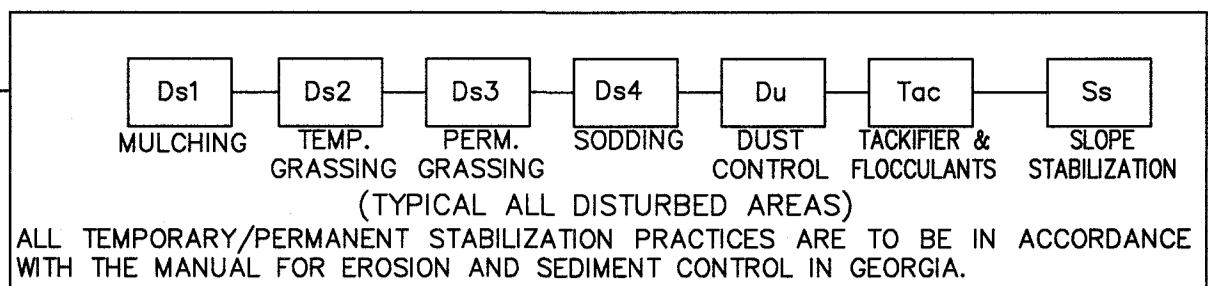
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ALL WETLANDS WITHIN THE SITE HAVE BEEN DELINEATED

NOTE: THE CONTRACTOR SHALL INSTALL A DOUBLE ROW OF SILT FENCE TYPE SENSITIVE NEAR WETLANDS AND STATE AND/OR COUNTY WATER BUFFERS.

NOTE: THE CRITICAL AREA OF THIS SITE IS AN UNNAMED CREEK LOCATED ON AND TO THE N.E. OF THE SITE. ROCK DAMS AND DOUBLE ROW SILT FENCE WILL BE UTILIZED TO PREVENT SEDIMENT LEAVING THE WORK AREA AND ENTERING THE STREAM.

NOTE: THE UNNAMED TRIBUTARY IS NOT LISTED AS IMPAIRED ON THE LATEST 303(d) LIST ON GA EPD'S 2014 INTEGRATED LIST. THE ETOWAH RIVER IS TIER 1 WITH A TMDL COMPL. CHL A APRIL 2013.



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STATE WATERS EXIST WITHIN 200 FEET OF THE SITE. THE RECEIVING WATERS FROM THIS SITE IS A TRIBUTARY OF THE MOURNING CREEK.

THE ESCAPE OF SEDIMENT FROM THE SITE SHALL BE PREVENTED BY THE INSTALLATION OF EROSION AND SEDIMENT CONTROL MEASURES AND PRACTICES PRIOR TO LAND-DISTURBING ACTIVITIES. EROSION CONTROL MEASURES WILL BE MAINTAINED AT ALL TIMES. IF FULL IMPLEMENTATION OF THE APPROVED PLAN DOES NOT PROVIDE FOR EFFECTIVE EROSION CONTROL, ADDITIONAL EROSION AND SEDIMENT CONTROL MEASURES SHALL BE IMPLEMENTED TO CONTROL OR TREAT THE SEDIMENT SOURCE, OR AS DIRECTED BY THE EROSION CONTROL INSPECTOR.

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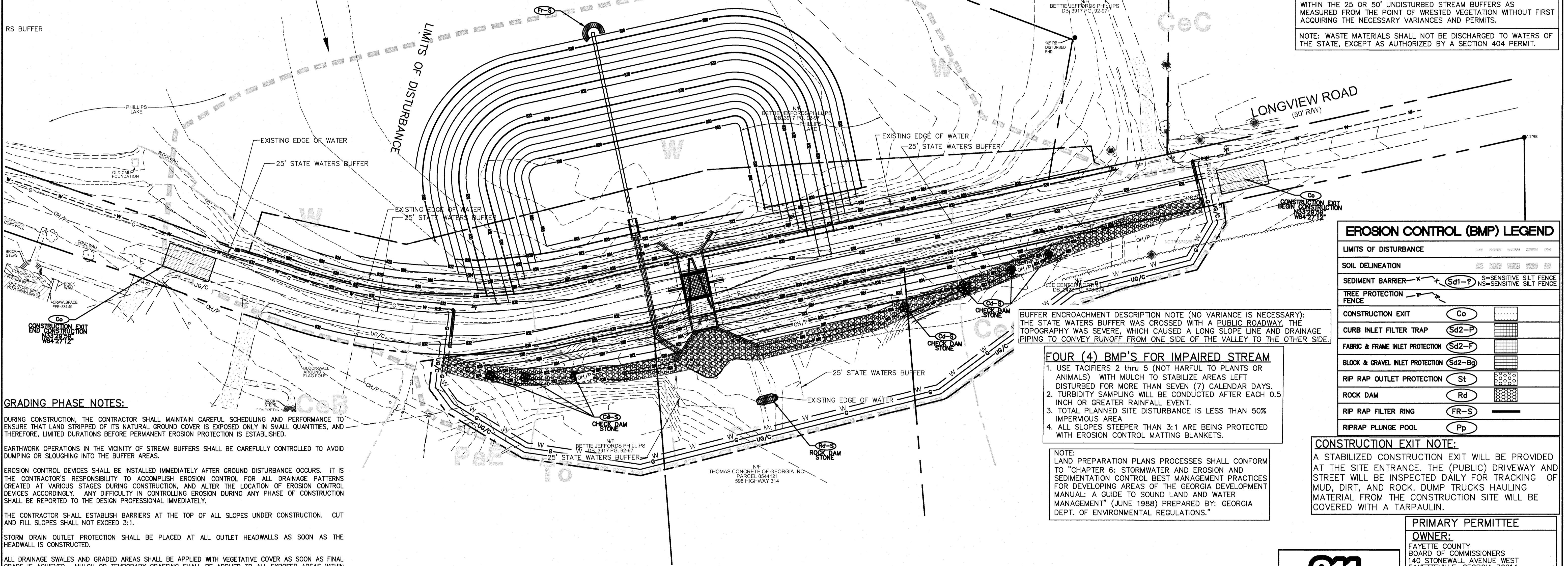
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CA	MADISON FINE SANDY LOAM 10% TO 15% SLOPES
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PaE	TALLAPOOSA GRAVELLY SANDY CLAY LOAM 10% TO 25% SLOPES
To	TOCCOA COMPLEX
W	TOCCOA COMPLEX

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NOTE: WASTE MATERIALS SHALL NOT BE DISCHARGED TO WATERS OF THE STATE, EXCEPT AS AUTHORIZED BY A SECTION 404 PERMIT.



**GRADING PHASE NOTES:**

DURING CONSTRUCTION, THE CONTRACTOR SHALL MAINTAIN CAREFUL SCHEDULING AND PERFORMANCE TO ENSURE THAT LAND STRIPPED OF ITS NATURAL GROUND COVER IS EXPOSED ONLY IN SMALL QUANTITIES, AND THEREFORE, LIMITED DURATIONS BEFORE PERMANENT EROSION PROTECTION IS ESTABLISHED.

EARTHWORK OPERATIONS IN THE VICINITY OF STREAM BUFFERS SHALL BE CAREFULLY CONTROLLED TO AVOID DUMPING OR SLOUGHING INTO THE BUFFER AREAS.

EROSION CONTROL DEVICES SHALL BE INSTALLED IMMEDIATELY AFTER GROUND DISTURBANCE OCCURS. IT IS THE CONTRACTOR'S RESPONSIBILITY TO ACCOMPLISH EROSION CONTROL FOR ALL DRAINAGE PATTERNS CREATED AT VARIOUS STAGES DURING CONSTRUCTION, AND ALTER THE LOCATION OF EROSION CONTROL DEVICES ACCORDINGLY. ANY DIFFICULTY IN CONTROLLING EROSION DURING ANY PHASE OF CONSTRUCTION SHALL BE REPORTED TO THE DESIGN PROFESSIONAL IMMEDIATELY.

THE CONTRACTOR SHALL ESTABLISH BARRIERS AT THE TOP OF ALL SLOPES UNDER CONSTRUCTION. CUT AND FILL SLOPES SHALL NOT EXCEED 3:1.

STORM DRAIN OUTLET PROTECTION SHALL BE PLACED AT ALL OUTLET HEADWALLS AS SOON AS THE HEADWALL IS CONSTRUCTED.

ALL DRAINAGE SWALES AND GRADED AREAS SHALL BE APPLIED WITH VEGETATIVE COVER AS SOON AS FINAL GRADE IS ACHIEVED. MULCH OR TEMPORARY GRASSING SHALL BE APPLIED TO ALL EXPOSED AREAS WITHIN 7 DAYS OF LAND DISTURBANCE. ALL DISTURBED AREAS LEFT MULCHED FOR MORE THAN 30 DAYS SHALL BE STABILIZED WITH TEMPORARY GRASSING.

THE CONTRACTOR SHALL MAINTAIN THE SEDIMENT POND IF APPLICABLE UNTIL PERMANENT GROUND COVER IS ESTABLISHED. SEDIMENT SHALL BE CLEAN OUT OF THE POND WHEN IT REACHES ONE THIRD OF THE DEPTH OF THE BASIN.

MULCH OR TEMPORARY GRASSING SHALL BE APPLIED TO ALL EXPOSED AREAS WITHIN 7 DAYS OF LAND DISTURBANCE. ALL DISTURBED AREAS LEFT MULCHED FOR MORE THAN 30 DAYS SHALL BE STABILIZED WITH TEMPORARY GRASSING.

SEDIMENT AND EROSION CONTROL MEASURES MUST BE CHECKED AFTER EACH RAIN EVENT. EACH DEVICE IS TO BE MAINTAINED OR REPLACED IF SEDIMENT ACCUMULATION HAS REACHED HALF THE CAPACITY OF THE DEVICE. ADDITIONAL DEVICES MUST BE INSTALLED IF NEW CHANNELS HAVE DEVELOPED.

CONTRACTOR SHALL INSPECT CONTROL MEASURES AT THE END OF EACH WORKING DAY TO ENSURE MEASURES ARE FUNCTIONING PROPERLY.

THE CONSTRUCTION EXIT SHALL BE MAINTAINED IN A CONDITION WHICH WILL PREVENT TRACK OR FLOW OF MUD ONTO PUBLIC RIGHT-OF-WAY. THIS MAY REQUIRE PERIODIC TOP DRESSING WITH 1'-3" OF STONE, AS CONDITIONS DEMAND. ALL MATERIALS SPILLED, DROPPED WASHED OR TRACKED FROM A VEHICLE ONTO PUBLIC ROADWAY OR INTO STORM DRAIN MUST BE REMOVED IMMEDIATELY.

FAILURE TO INSTALL, OPERATE OR MAINTAIN ALL EROSION CONTROL MEASURES WILL RESULT IN ALL CONSTRUCTION BEING STOPPED ON THE JOB UNTIL SUCH MEASURES ARE CORRECTED BACK TO THE APPROVED EROSION CONTROL PLANS.

FOR ADDITIONAL EROSION CONTROL NOTES FOR EACH ES&PC PHASE, SEE EROSION CONTROL NOTES DRAWINGS.

BUFFER ENCROACHMENT DESCRIPTION NOTE (NO VARIANCE IS NECESSARY): THE STATE WATERS BUFFER WAS CROSSED WITH A PUBLIC ROADWAY. THE TOPOGRAPHY WAS SEVERE, WHICH CAUSED A LONG SLOPE LINE AND DRAINAGE PIPING TO CONVEY RUNOFF FROM ONE SIDE OF THE VALLEY TO THE OTHER SIDE.

**FOUR (4) BMP'S FOR IMPAIRED STREAM**

1. USE TACKIFIERS 2 thru 5 (NOT HARMFUL TO PLANTS OR ANIMALS) WITH MULCH TO STABILIZE AREAS LEFT DISTURBED FOR MORE THAN SEVEN (7) CALENDAR DAYS.
2. TURBIDITY SAMPLING WILL BE CONDUCTED AFTER EACH 0.5 INCH OR GREATER RAINFALL EVENT.
3. TOTAL PLANNED SITE DISTURBANCE IS LESS THAN 50% IMPERVIOUS AREA
4. ALL SLOPES STEEPER THAN 3:1 ARE BEING PROTECTED WITH EROSION CONTROL MATTING BLANKETS.

NOTE: LAND PREPARATION PLANS PROCESSES SHALL CONFORM TO "CHAPTER 6: STORMWATER AND EROSION AND SEDIMENTATION CONTROL BEST MANAGEMENT PRACTICES FOR DEVELOPING AREAS OF THE GEORGIA DEVELOPMENT MANUAL: A GUIDE TO SOUND LAND AND WATER MANAGEMENT" (JUNE 1988) PREPARED BY: GEORGIA DEPT. OF ENVIRONMENTAL REGULATIONS."

NOTE: CONCRETE WASH-DOWN OF EQUIPMENT WILL BE PERMITTED ON-SITE IN AN APPROVED PREFABRICATED BASIN, AT A LOCATION APPROVED BY THE OWNER. BASIN TO BE CLEANED OUT DAILY.

APPROVED  
STATE OF GEORGIA  
DEPT. OF NATURAL RESOURCES  
AUG 17 2023  
Cathy Shree  
Environmental Protection Division  
Safe Dams Program

APPROVED			
07/13/2023			
FAYETTE COUNTY			
ENVIRONMENTAL MANAGEMENT			
1	REV. LEVEL 2 PROFESSIONAL AND EOR, UPDATE NOTES	JH	JR 6/25/23
NO.	REVISIONS	MADE	CKD. DATE



SCALE: 1"=40'	DATE
DESIGN BY: JCL/JMH/JR	12/20
DRAWN BY: JCL/JMH/JR	12/20
CHECKED BY: MLW/JR	12/20
COA: PEF00707	EXP: 06/30/2024
JASON RAPPLEAN, VP, PE, EOR LEVEL 2 CERTIFICATION # 3031 EXPIRATION DATE: 12/07/23	

THE SITE IS LOCATED ON LONGVIEW ROAD IN LAND LOT 198 OF FAYETTE COUNTY, FAYETTEVILLE, GEORGIA.

**PHILLIPS LAKE  
ES&PC  
INTERMEDIATE PLAN  
FAYETTE COUNTY**



**PRIMARY PERMITTEE**  
OWNER:  
FAYETTE COUNTY  
BOARD OF COMMISSIONERS  
140 STONEWALL AVENUE WEST  
FAYETTEVILLE, GEORGIA 30214  
CONTACT: MR. PHIL MALLON  
PHONE: (770) 320-6010

**24 HR. CONTACT PERSON**  
PHIL MALLON  
(770) 313-9855

RELEASED FOR CONSTRUCTION  
BY: MARTIN L. WALDEN, P.E. DATE: 9-15-21

**WALDEN, ASHWORTH & ASSOCIATES, INC.**  
CONSULTING ENGINEERS  
P.O. BOX  
MARETTA, GEORGIA 30065  
(770) 956-7897  
COA: PEF00707 EXP: 06/30/2020

JOB NO. 3804600  
DRAWING NUMBER **38046-C-203**  
REV. NO. 1



**FINAL PHASE NOTES:**

THE CONTRACTOR SHALL MAINTAIN THE STORM STRUCTURE SEDIMENT COLLECTION DEVICES IF APPLICABLE UNTIL PERMANENT GROUND COVER IS ESTABLISHED. SEDIMENT SHALL BE CLEANED OUT OF EACH DEVICE WHEN IT REACHES ONE THIRD OF THE DEPTH OF THE DEVICE, OR AS DIRECTED BY THE DEVICE MANUFACTURER.

ALL ROADWAY AND PARKING SHOULDERS SHOULD BE GRASSED AS SOON AS FINAL GRADE IS ACHIEVED.

SEDIMENT AND EROSION CONTROL MEASURES MUST BE CHECKED AFTER EACH RAIN EVENT. EACH DEVICE IS TO BE MAINTAINED OR REPLACED IF SEDIMENT ACCUMULATION HAS REACHED HALF THE CAPACITY OF THE DEVICE. ADDITIONAL DEVICES MUST BE INSTALLED IF NEW CHANNELS HAVE DEVELOPED.

FAILURE TO INSTALL, OPERATE OR MAINTAIN ALL EROSION CONTROL MEASURES WILL RESULT IN ALL CONSTRUCTION BEING STOPPED ON THE SITE UNTIL SUCH MEASURES ARE CORRECTED BACK TO THE APPROVED PLANS.

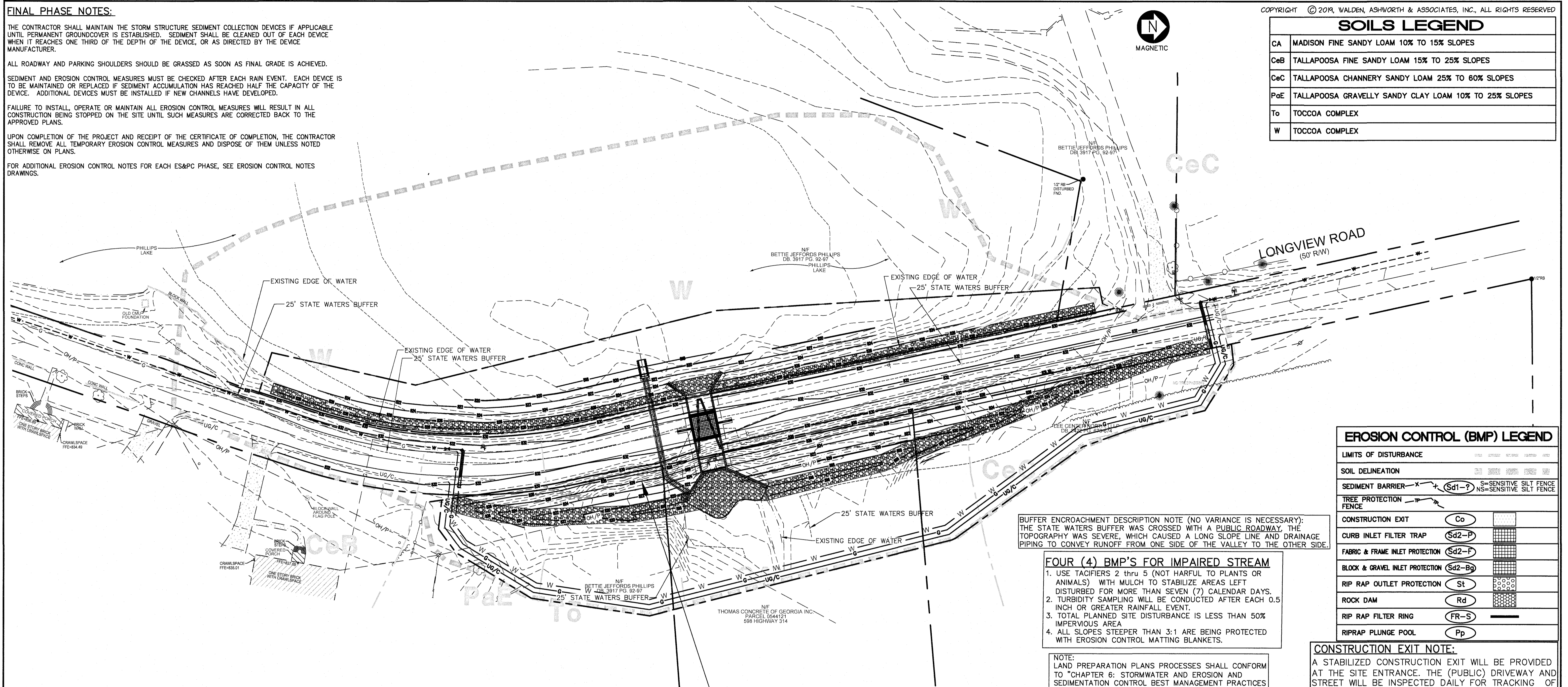
UPON COMPLETION OF THE PROJECT AND RECEIPT OF THE CERTIFICATE OF COMPLETION, THE CONTRACTOR SHALL REMOVE ALL TEMPORARY EROSION CONTROL MEASURES AND DISPOSE OF THEM UNLESS NOTED OTHERWISE ON PLANS.

FOR ADDITIONAL EROSION CONTROL NOTES FOR EACH ES&PC PHASE, SEE EROSION CONTROL NOTES DRAWINGS.

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SOILS LEGEND	
CA	MADISON FINE SANDY LOAM 10% TO 15% SLOPES
CeB	TALLAPOOSA FINE SANDY LOAM 15% TO 25% SLOPES
CeC	TALLAPOOSA CHANNERY SANDY LOAM 25% TO 60% SLOPES
PaE	TALLAPOOSA GRAVELLY SANDY CLAY LOAM 10% TO 25% SLOPES
To	TOCCOA COMPLEX
W	TOCCOA COMPLEX



EROSION CONTROL (BMP) LEGEND	
LIMITS OF DISTURBANCE	
SOIL DELINEATION	
SEDIMENT BARRIER	(Sd1-F) S=SENSITIVE SILT FENCE NS=SENSITIVE SILT FENCE
TREE PROTECTION FENCE	
CONSTRUCTION EXIT	(Co)
CURB INLET FILTER TRAP	(Sd2-P)
FABRIC & FRAME INLET PROTECTION	(Sd2-F)
BLOCK & GRAVEL INLET PROTECTION	(Sd2-Bg)
RIP RAP OUTLET PROTECTION	(St)
ROCK DAM	(Rd)
RIP RAP FILTER RING	(FR-S)
RIPRAP PLUNGE POOL	(Pp)

**BUFFER ENCROACHMENT DESCRIPTION NOTE (NO VARIANCE IS NECESSARY):**  
THE STATE WATERS BUFFER WAS CROSSED WITH A PUBLIC ROADWAY. THE TOPOGRAPHY WAS SEVERE, WHICH CAUSED A LONG SLOPE LINE AND DRAINAGE PIPING TO CONVEY RUNOFF FROM ONE SIDE OF THE VALLEY TO THE OTHER SIDE.

**FOUR (4) BMP'S FOR IMPAIRED STREAM**

1. USE TACIFIERS 2 thru 5 (NOT HARMFUL TO PLANTS OR ANIMALS) WITH MULCH TO STABILIZE AREAS LEFT DISTURBED FOR MORE THAN SEVEN (7) CALENDAR DAYS.
2. TURBIDITY SAMPLING WILL BE CONDUCTED AFTER EACH 0.5 INCH OR GREATER RAINFALL EVENT.
3. TOTAL PLANNED SITE DISTURBANCE IS LESS THAN 50% IMPERVIOUS AREA
4. ALL SLOPES STEEPER THAN 3:1 ARE BEING PROTECTED WITH EROSION CONTROL MATTING BLANKETS.

**NOTE:**

LAND PREPARATION PLANS PROCESSES SHALL CONFORM TO "CHAPTER 6: STORMWATER AND EROSION AND SEDIMENTATION CONTROL BEST MANAGEMENT PRACTICES FOR DEVELOPING AREAS OF THE GEORGIA DEVELOPMENT MANUAL: A GUIDE TO SOUND LAND AND WATER MANAGEMENT" (JUNE 1988) PREPARED BY: GEORGIA DEPT. OF ENVIRONMENTAL REGULATIONS."

**CONSTRUCTION EXIT NOTE:**

A STABILIZED CONSTRUCTION EXIT WILL BE PROVIDED AT THE SITE ENTRANCE. THE (PUBLIC) DRIVEWAY AND STREET WILL BE INSPECTED DAILY FOR TRACKING OF MUD, DIRT, AND ROCK. DUMP TRUCKS HAULING MATERIAL FROM THE CONSTRUCTION SITE WILL BE COVERED WITH A TARPULIN.

NOTE: NO WASTE DISPOSAL OR PETROLEUM STORAGE IS PERMITTED ON SITE. ALL WASTE DISPOSAL & PETROLEUM STORAGE TO BE OFF SITE. SEE NOTE 7 IN THE ES&PC NOTES FOR SPILL CLEANUP AND CONTROL PRACTICES.

NOTE: ONLY USE TACIFIERS 2 thru 5 THAT ARE NOT HARMFUL TO PLANTS, ANIMALS OR AQUATIC LIFE AND ARE WILL NOT REDUCE INFILTRATION RATE; AS A BONDING AGENT TO TIE-DOWN FOR SOIL, COMPOST, SEED, HAY OR MULCH WITH OTHER SLURRY MATERIALS TO FORM A HOMOGENOUS SLURRY.

ALL WETLANDS WITHIN THE SITE HAVE BEEN DELINEATED

NOTE: THE CONTRACTOR SHALL INSTALL A DOUBLE ROW OF SILT FENCE TYPE SENSITIVE NEAR WETLANDS AND STATE AND/OR COUNTY WATER BUFFERS.

ANY DISTURBED AREA LEFT EXPOSED FOR A PERIOD GREATER THAN 14 DAYS SHALL BE STABILIZED WITH MULCH OR TEMPORARY SEEDING.

NOTE: THE CRITICAL AREA OF THIS SITE IS AN UNNAMED CREEK LOCATED ON AND TO THE N.E. OF THE SITE. ROCK DAMS AND DOUBLE ROW SILT FENCE WILL BE UTILIZED TO PREVENT SEDIMENT LEAVING THE WORK AREA AND ENTERING THE STREAM.

NOTE: AMENDMENTS/REVISIONS TO THE ES&PC PLAN WHICH HAVE A SIGNIFICANT EFFECT ON BMP'S WITH A HYDRAULIC COMPONENT MUST BE CERTIFIED BY THE DESIGN PROFESSIONAL.

NOTE: THE UNNAMED TRIBUTARY IS NOT LISTED AS IMPAIRED ON THE LATEST 303(d) LIST ON GA EPD'S 2014 INTEGRATED LIST. THE ETOWAH RIVER IS TIER 1 WITH A TMDL COMPL. CHL A APRIL 2013.

NOTE: ALL NON-EXEMPT ACTIVITIES SHALL NOT BE CONDUCTED WITHIN THE 25 OR 50' UNDISTURBED STREAM BUFFERS AS MEASURED FROM THE POINT OF WRESTED VEGETATION WITHOUT FIRST ACQUIRING THE NECESSARY VARIANCES AND PERMITS.

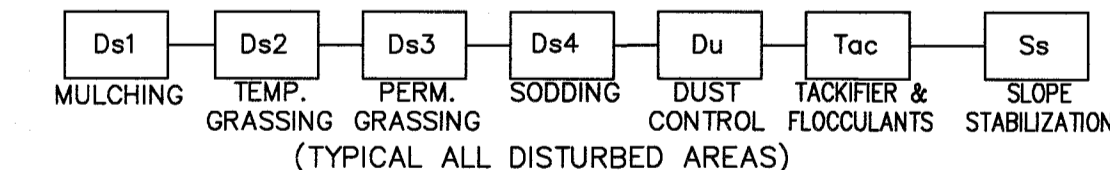
NOTE: WASTE MATERIALS SHALL NOT BE DISCHARGED TO WATERS OF THE STATE, EXCEPT AS AUTHORIZED BY A SECTION 404 PERMIT.

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STATE WATERS EXIST WITHIN 200 FEET OF THE SITE. THE RECEIVING WATERS FROM THIS SITE IS A TRIBUTARY OF THE MOURNING CREEK.

THE ESCAPE OF SEDIMENT FROM THE SITE SHALL BE PREVENTED BY THE INSTALLATION OF EROSION AND SEDIMENT CONTROL MEASURES AND PRACTICES PRIOR TO LAND-DISTURBING ACTIVITIES. EROSION CONTROL MEASURES WILL BE MAINTAINED AT ALL TIMES. IF FULL IMPLEMENTATION OF THE APPROVED PLAN DOES NOT PROVIDE FOR EFFECTIVE EROSION CONTROL, ADDITIONAL EROSION AND SEDIMENT CONTROL MEASURES SHALL BE IMPLEMENTED TO CONTROL OR TREAT THE SEDIMENT SOURCE, OR AS DIRECTED BY THE EROSION CONTROL INSPECTOR.

NOTE: CONCRETE WASH-DOWN OF EQUIPMENT WILL BE PERMITTED ON-SITE IN AN APPROVED PREFABRICATED BASIN, AT A LOCATION APPROVED BY THE OWNER. BASIN TO BE CLEANED OUT DAILY.



APPROVED  
STATE OF GEORGIA  
DEPT OF NATURAL RESOURCES  
AUG 17 2023  
Cullie Phillips  
Environmental Protection Division  
Safe Dams Program

APPROVED  
07/13/2023  
FAYETTE COUNTY  
ENVIRONMENTAL MANAGEMENT

NO.	REVISIONS	MADE	CHKD.	DATE
1	REV. LEVEL 2 PROFESSIONAL AND EOR, UPDATE NOTES	JH	JR	6/25/23

NO.	REVISIONS	MADE	CHKD.	DATE

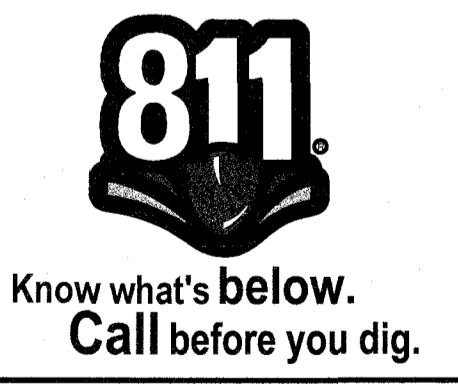
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SCALE: 1"=40'	DATE
DESIGN BY: JCL/JMH/JR	12/20
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COA: PEF00707	EXP: 06/30/2024
JASON RAPPLEAN, VP, PE, EOR LEVEL 2 CERTIFICATION # 3031 EXPIRATION DATE: 12/07/23	

THE SITE IS LOCATED ON LONGVIEW ROAD IN LAND LOT 198 OF FAYETTE COUNTY, FAYETTEVILLE, GEORGIA.

**PHILLIPS LAKE  
ES&PC  
FINAL PLAN**

**FAYETTE COUNTY**



**PRIMARY PERMITTEE**  
**OWNER:**  
FAYETTE COUNTY  
BOARD OF COMMISSIONERS  
140 STONEWALL AVENUE WEST  
FAYETTEVILLE, GEORGIA 30214  
CONTACT: MR. PHIL MALLON  
PHONE: (770) 320-6010

**24 HR. CONTACT PERSON**  
PHIL MALLON  
(770) 313-9855

RELEASED FOR CONSTRUCTION  
BY: MARTIN L. WALDEN, P.E. DATE: 9-15-21

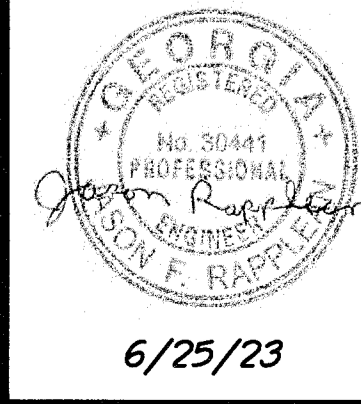


**WALDEN, ASHWORTH & ASSOCIATES, INC.**  
CONSULTING ENGINEERS  
P.O. BOX  
MARETTA, GEORGIA 30065  
(770) 956-7897  
COA: PEF00707 EXP: 06/30/2020

JOB NO.  
3804600

DRAWING NUMBER  
**38046-C-204**

REV. NO.  
**1**





SPECIES	RATES/SPACING		PLANTING DATES			REMARKS
	1000 FT <sup>2</sup>	ACRES	MTS.-L-STONE	PIEDMONT	COASTAL	
BAHIA WILMINGTON (PASPALUM NOTATUM) ALONE OR WITH OTHER PERENNIALS	1.4 LB	60 LBS	1/1 - 12/31	1/1 - 12/31		166,000 SEED PER POUND. LOW GROWING SOD FORMING. SLOW TO ESTABLISH. PLANT WITH A COMPANION CROP. WILL SPREAD INTO BERMUDA PASTURES AND LAWNS. MIX WITH WEEPING LOVEGRASS.
BERMUDA, COMMON (CYNODON DACTYLON) ALONE OR WITH OTHER PERENNIALS	0.2 LB	10 LBS	5/1 - 6/30	2/15 - 6/30		1,787,000 SEED PER POUND. QUICK COVER. LOW GROWING AND SOD FORMING. FULL SUN. GOOD FOR ATHLETIC FIELDS.
BERMUDA, COMMON (CYNODON DACTYLON) UNHILLED SEED WITH OTHER PERENNIALS	0.2 LB	10 LBS	10/1 - 2/28	11/1 - 1/31		PLANT WITH WINTER ANNUALS. PLANT WITH TALL FESCUE.
CENTPEDE, (EREMOCHLOA OPHUROIDES)	BLOCK SOD ONLY		4/1 - 6/30	4/1 - 6/30		DROUGHT TOLERANT. FULL SUN OR PARTIAL SHADE. EFFECTIVE ADJACENT TO CONCRETE AND IN CONCENTRATED FLOW AREAS. IRRIGATION IS NEEDED UNTIL FULLY ESTABLISHED. DO NOT PLANT NEAR PASTURES. WINTERHARDY AS FAR NORTH AS ATHENS AND ATLANTA.
FESCUE, TALL (FESTUCA ARUNDINACEA) ALONE OR WITH OTHER PERENNIALS	1.1 LB	50 LBS	8/1 - 10/31	3/1 - 4/15	8/15 - 10/31	227,000 SEED PER POUND. USE ALONE ONLY ON BETTER SITES. NOT FOR DROUGHT SOILS. MIX WITH CROWNVEITCH. APPLY TOPDRESSING IN SPRING FOLLOWING FALL PLANTINGS. NOT FOR HEAVY USE AREAS OR ATHLETIC FIELDS.

M-L REPRESENTS THE MOUNTAIN; BLUE RIDGE; AND RIDGES AND VALLEYS MLRAS  
 P REPRESENTS THE SOUTHERN PIEDMONT MLRA  
 C REPRESENTS SOUTHERN COASTAL PLAIN; SAND HILLS; BLACK LANDS; AND ATLANTIC COAST FLATWOODS MLRAS

**DEFINITION**  
 THE PLANTING OF PERENNIAL VEGETATION SUCH AS TREES, SHRUBS, VINES, GRASSES, OR LEGUMES ON EXPOSED AREAS FOR FINAL PERMANENT STABILIZATION. PERMANENT PERENNIAL VEGETATION SHALL BE USED TO ACHIEVE FINAL STABILIZATION.

**CONDITIONS**  
 PERMANENT PERENNIAL VEGETATION IS USED TO PROVIDE A PROTECTIVE COVER FOR EXPOSED AREAS INCLUDING CUTS, FILLS, DAMS, AND OTHER DENuded AREAS.

**GRADING AND SHAPING**  
 GRADING AND SHAPING MAY NOT BE REQUIRED WHERE HYDRAULIC SEEDING AND FERTILIZING EQUIPMENT IS TO BE USED. VERTICAL BANKS SHALL BE SLOPED TO ENABLE PLANT ESTABLISHMENT.

WHEN CONVENTIONAL SEEDING AND FERTILIZING ARE TO BE DONE, GRADE AND SHAPE WHERE FEASIBLE AND PRACTICAL, SO THAT EQUIPMENT CAN BE USED SAFELY AND EFFICIENTLY DURING SEEDBED PREPARATION, SEEDING, MULCHING AND MAINTENANCE OF THE VEGETATION.

CONCENTRATIONS OF WATER THAT WILL CAUSE EXCESSIVE SOIL EROSION SHALL BE DIVERTED TO A SAFE OUTLET. DIVERSIONS AND OTHER TREATMENT PRACTICES SHALL CONFORM WITH THE APPROPRIATE STANDARDS AND SPECIFICATIONS.

**SEEDBED PREPARATION**  
 SEEDBED PREPARATION MAY NOT BE REQUIRED WHERE HYDRAULIC SEEDING AND FERTILIZING EQUIPMENT IS TO BE USED. WHEN CONVENTIONAL SEEDING IS TO BE USED, SEEDBED PREPARATION WILL BE DONE AS FOLLOWS:

**BROADCAST PLANTINGS**  
 1. TILLAGE AT A MINIMUM, SHALL ADEQUATELY LOOSEN THE SOIL TO A DEPTH OF 4 TO 6 INCHES; ALLEVIATE COMPACTION; INCORPORATE LIME AND FERTILIZER; SMOOTH AND FIRM THE SOIL; ALLOW FOR THE PROPER PLACEMENT OF SEED, SPRIGS, OR PLANTS; AND ALLOW FOR THE ANCHORING OF STRAW OR HAY MULCH IF A DISK IS TO BE USED.  
 2. TILLAGE MAY BE DONE WITH ANY SUITABLE EQUIPMENT.  
 3. TILLAGE SHOULD BE DONE ON THE CONTOUR WHERE FEASIBLE.  
 4. ON SLOPES TOO STEEP FOR THE SAFE OPERATION OF TILLAGE EQUIPMENT, THE SOIL SURFACE SHALL BE PITTED OR TRENCHED ACROSS THE SLOPE WITH APPROPRIATE HAND TOOLS TO PROVIDE TWO PLACES 6 TO 8 INCHES APART IN WHICH SEED MAY LODGE AND GERMINATE. HYDRAULIC SEEDING MAY ALSO BE USED.

**INDIVIDUAL PLANTS**  
 1. WHERE INDIVIDUAL PLANTS ARE TO BE SET, THE SOIL SHALL BE PREPARED BY EXCAVATING HOLES, OPENING FURROWS, OR DIGGING PLANTING.  
 2. FOR NURSERY STOCK PLANTS, HOLES SHALL BE LARGE ENOUGH TO ACCOMMODATE ROOTS WITHOUT CROWDING.  
 3. WHERE PINE SEEDLINGS ARE TO BE PLANTED, SUBSOIL UNDER THE ROW 36 INCHES DEEP ON THE CONTOUR FOUR TO SIX MONTHS PRIOR TO PLANTING. SUBSOILING SHOULD BE DONE WHEN THE SOIL IS DRY, PREFERABLY IN AUGUST OR SEPTEMBER.

**MULCHING**  
 MULCH IS REQUIRED FOR ALL PERMANENT VEGETATION APPLICATIONS. MULCH APPLIED TO SEEDED AREAS SHALL ACHIEVE 75% SOIL COVER. SELECT THE MULCHING MATERIAL FROM THE FOLLOWING AND APPLY AS INDICATED:  
 1. DRY STRAW OR DRY HAY OF GOOD QUALITY AND FREE OF WEED SEEDS CAN BE USED. DRY STRAW SHALL BE APPLIED AT THE RATE OF 2 TONS PER ACRE. DRY HAY SHALL BE APPLIED AT A RATE OF 2.5 TONS PER ACRE.  
 2. WOOD CELLULOSE MULCH OR WOOD PULP FIBER SHALL BE USED WITH HYDRAULIC SEEDING. IT SHALL BE APPLIED AT THE RATE OF 500 POUNDS PER ACRE. DRY STRAW OR DRY HAY SHALL BE APPLIED (AT THE RATE INDICATED ABOVE) AFTER HYDRAULIC SEEDING.  
 3. ONE THOUSAND POUNDS OF WOOD CELLULOSE OR WOOD PULP FIBER WHICH INCLUDES A TACKIFIER, SHALL BE USED WITH HYDRAULIC SEEDING ON SLOPES 1:1 OR STEEPER.  
 4. SERICEA LEDEZEZA HAY CONTAINING MATURE SEED SHALL BE APPLIED AT A RATE OF THREE TONS PER ACRE.  
 5. PINE STRAW OR PINE BARK SHALL BE APPLIED AT A THICKNESS OF THREE INCHES FOR BEDDING PURPOSES. OTHER SUITABLE MATERIALS IN SUFFICIENT QUANTITY MAY BE USED WHERE ORNAMENTALS OR OTHER GROUND COVERS ARE PLANTED. THIS IS NOT APPROPRIATE FOR SEEDED AREAS.  
 6. WHEN USING TEMPORARY EROSION CONTROL BLANKETS OR BLOCK SOD, MULCH IS NOT REQUIRED.  
 7. BITUMINOUS TREATED ROVING MAY BE APPLIED ON PLANTED AREAS ON SLOPES, IN DITCHES OR DRY WATERWAYS TO PREVENT EROSION. BITUMINOUS TREATED ROVING SHALL BE APPLIED WITHIN 24 HOURS AFTER AN AREA HAS BEEN PLANTED. APPLICATION RATES AND MATERIALS MUST MEET GEORGIA DEPARTMENT OF TRANSPORTATION SPECIFICATIONS.  
 WOOD CELLULOSE AND WOOD PULP FIBERS SHALL NOT CONTAIN GERMINATION OR GROWTH INHIBITING FACTORS. THEY SHALL BE EVENLY DISPERSED WHEN AGITATED IN WATER. THE FIBERS SHALL CONTAIN A DYE TO ALLOW VISUAL METERING AND AID IN UNIFORM APPLICATION DURING SEEDING.  
 APPLYING MULCH  
 STRAW OR HAY MULCH WILL BE SPREAD UNIFORMLY WITHIN 24 HOURS AFTER SEEDING AND/OR PLANTING. THE MULCH MAY BE SPREAD BY BLOWER-TYPE SPREADING EQUIPMENT, OTHER SPREADING EQUIPMENT OR BY HAND. MULCH SHALL BE APPLIED TO COVER 75% OF THE SOIL SURFACE.  
 WOOD CELLULOSE OR WOOD PULP FIBER MULCH SHALL BE APPLIED UNIFORMLY WITH HYDRAULIC SEEDING EQUIPMENT.

**LIME AND FERTILIZER APPLICATION**  
 WHEN HYDRAULIC SEEDING EQUIPMENT IS USED, THE INITIAL FERTILIZER SHALL BE MIXED WITH SEED, INOCULANT (IF NEEDED), AND WOOD CELLULOSE OR WOOD PULP FIBER MULCH AND APPLIED IN A SLURRY. THE SLURRY MIXTURE WILL BE AGITATED DURING APPLICATION TO KEEP THE INGREDIENTS THOROUGHLY MIXED. THE MIXTURE WILL BE SPREAD UNIFORMLY OVER THE AREA WITHIN ONE HOUR AFTER BEING PLACED IN THE HYDROSEEDER.

**AGRICULTURAL LIME**, WITHIN THE GA DEPT OF AGRICULTURE SPECS, IS REQUIRED AT A RATE OF ONE TON TO TWO TONS PER ACRE UNLESS SOIL TESTS INDICATE OTHERWISE. GRADED AREAS REQUIRE LIME APPLICATION. IF LIME IS APPLIED WITHIN 6 MONTHS OF PLANTING PERMANENT PERENNIAL VEGETATION, ADD'L LIME IS NOT REQUIRED.  
 LIME SPREAD BY CONVENTIONAL EQUIPMENT SHALL BE GROUND LIME, WHICH IS CALCIUM OR DOLOMITIC LIMESTONE GROUND SO THAT 90 PERCENT OF THE MATERIAL WILL PASS THROUGH A 10-MESH SIEVE, NOT LESS THAN 50 PERCENT WILL PASS THROUGH A 50- MESH SIEVE AND NOT LESS THAN 25 PERCENT WILL PASS THROUGH A 100-MESH SIEVE. AGRICULTURAL LIME IS GENERALLY NOT REQUIRED WHERE ONLY TREES ARE PLANTED. INITIAL FERTILIZATION, NITROGEN, TOP DRESSING, AND MAINTENANCE FERTILIZER REQUIREMENTS FOR EACH SPECIES OR COMBINATION OF SPECIES AS LISTED IN THE TABLES. 10/10/10 FERTILIZER PELLETS RATES SHALL BE APPLIED AT 500-700 LBS PER ACRE, OR A SOIL TEST MAY BE CONDUCTED.

**ESTABLISHING A TEMPORARY PROTECTION FOR DISTURBED AREAS USING SPECIFIC MULCH MATERIALS.**

- MULCH MATERIALS SHALL CONSIST OF DRY STRAW OR HAY AT 2.5 TONS PER ACRE, WOOD CHIPS AT 6 TO 9 TONS PER ACRE, EROSION CONTROL MATTING OR NETTING, OR POLYETHYLENE FILM.
- THIS STANDARD APPLIED TO GRADES OR CLEARED AREAS WHICH MAY BE SUBJECTED TO EROSION CONTROL FOR 6 MONTHS OR LESS, AND CAN BE STABILIZED WITH A MULCH COVER.

**Ds1 DISTURBED AREA STABILIZATION (WITH MULCHING)**

**Tac TACKIFIERS**

Tackifiers are used as a tie-down for soil, compost, seed, straw, hay or mulch. Tackifiers hydrate in water and readily blend with other slurry materials to form a homogenous slurry.

This practice is intended for direct soil surface application to sites where the timely establishment of vegetation may not be feasible or where vegetation cover is absent or inadequate. Such areas include construction areas, where plant residues are inadequate to protect the soil surface and where land disturbing activities prevent the establishment or maintenance of a vegetative cover.

Tac-1 Tacifiers: Synthetic Polymers  
 Tac-2 Tacifiers: Organic Polymers  
 Tac-3 Tacifiers: Synthetic/Organic Polymers Blends  
 Tac-4 Tacifiers: Organic Tacifiers with Synthetic Fibers  
 Tac-5 Tacifiers: Synthetic/Organic Blends with Synthetic Fibers

Tacified areas should be checked after every rain event. Periodic inspections and required maintenance must be provided per manufacturer's recommendations.

**DO NOT USE (HARM FULL TO ANIMALS)**

**FI-Co FLOCCULANTS COAGULANTS**

**Planning Considerations** Since settling of flocculated soil particles requires very slow moving (still) water, chemical additives should never be introduced into an outfall BMP where water leaves the property or enters state waters. In all cases where chemical additives are used to reduce turbidity, it is essential to include a sediment basin or sediment trap unless using a "pump and treat" treatment system.

**CRITERIA** Application rates shall conform to manufacturer's guidelines for application. Only anionic forms of FI-Co shall be used.

Following are examples of FI-Co applications within construction storm water ditches or drainageways that feed into sediment basins or other BMPs:  
 •FI-Co Bags or Socs that are installed directly in a ditch, pipe or culvert.  
 •FI-Co treated ditch checks (i.e. fiber rolls, wattles, or compost logs inoculated or used in conjunction with FI-Co).  
 •Granulated FI-Co treated rock ditch checks.  
 •Ditch checks with attached FI-Co Bags or Socs.  
 •Addition of granular FI-Co directly into a ditch.  
 •Erosion control blankets and turf reinforcement mats that have been inoculated with a FI-Co.  
 •"Pump and Treat" systems that use mechani-cal mixing with a chemical treatment of a FI-Co.

SPECIES	RATES/SPACING		PLANTING DATES			REMARKS
	1000 FT <sup>2</sup>	ACRES	MTS.-L-STONE	PIEDMONT	COASTAL	
BARLEY (HORDEUM VULGARE) ALONE OR IN MIXTURES	3.3 LBS	3 BU (144 LBS)	8/15-11/15	8/15-12/15	9/1-12/31	14,000 SEED PER POUND. WINTERHARDY. USE ON PRODUCTIVE SOILS.
MILLET, BROWNTOP (Panicum fasciculatum) ALONE OR IN MIXTURES	0.9 LB	40 LBS	4/1-7/30	4/1-7/20	4/1-7/15	137,000 SEED PER POUND. QUICK DENSE COVER. WILL PROVIDE TOO MUCH COMPETITION IN MIXTURES
MILLET, PEARL (Pennisetum glaucum) ALONE	1.1 LB	50 LBS	5/1-7/31	4/15-8/31	4/1-8/31	DENSE COVER. MAY REACH 5 FEET IN HEIGHT. NOT RECOMMENDED
OATS (Avena sativa) ALONE OR IN MIXTURES	2.9 LB	4 BU (128 LBS)	9/1-11/30	9/1-11/30	9/1-11/30	13,000 SEED PER POUND. USE ON PRODUCTIVE SOILS. NOT AS WINTERHARDY AS RYE OR BARLEY.
RYE (SECALE CEREALE) ALONE OR IN MIXTURES	3.9 LB	3 BU (168 LBS)	7/15-11/30	8/15-12/31	9/1-2/28	18,000 SEED PER POUND. QUICK COVER. DROUGHT TOLERANT AND WINTERHARDY.
RYEGRASS, ANNUAL (Lolium temulentum) ALONE	0.9 LB	40 LBS	8/1-4/30	8/1-4/15	8/15-3/31	227,000 SEED PER POUND. DENSE COVER. VERY COMPETITIVE AND
SUDANGRASS (SORGHUM SUDANESE) ALONE	1.4 LB	60 LBS	4/1-8/31	4/1-8/31	3/1-7/31	55,000 SEED PER POUND. GOOD ON DROUGHTY SITES. NOT
TRITICALE (X-TRITICOSECALE) ALONE OR IN MIXTURES	3.3 LB	3 BU (144 LBS)			9/15-1/31	USE ON LOWER PART OF SOUTHERN COASTAL PLAIN AND IN ATLANTIC COASTAL FLATWOODS ONLY.
WHEAT (TRITICUM AESTIVUM) ALONE OR IN MIXTURES	4.1 LB	3 BU (180 LBS)	9/1-12/31	9/1-12/31	9/15-1/31	15,000 SEED PER POUND. WINTERHARDY.

**GRASSING TABLE**

**Ds2 DISTURBED AREA STABILIZATION (WITH TEMPORARY VEGETATION)**

**DEFINITION**  
 THE ESTABLISHMENT OF TEMPORARY VEGETATIVE COVER WITH FAST GROWING SEEDINGS FOR SEASONAL PROTECTION ON DISTURBED OR DENuded AREAS.

**CONDITIONS**  
 TEMPORARY GRASSING INSTEAD OF MULCH, CAN BE APPLIED TO ROUGH GRADED AREAS THAT WILL BE EXPOSED FOR LESS THAN SIX MONTHS. TEMPORARY VEGETATIVE MEASURES SHOULD BE COORDINATED WITH PERMANENT MEASURES TO ASSURE ECONOMIC AND EFFECTIVE STABILIZATION. MOST TYPES OF TEMPORARY VEGETATION ARE IDEAL TO USE AS COMPANION CROPS UNTIL THE PERMANENT VEGETATION IS ESTABLISHED.

- TEMPORARY COVER CROPS ARE VERY COMPETITIVE AND WILL CROWD OUT PERENNIALS IF SEEDED TOO HEAVILY.
- REDUCE SEEDING RATES BY 50% WHEN DRILLED.
- PLS IS AN ABBREVIATION FOR PURE LIVE SEED.
- M-L REPRESENTS THE MOUNTAIN, BLUE RIDGE, AND RIDGES AND VALLEYS MLRAS  
 P REPRESENTS THE SOUTHERN PIEDMONT MLRA  
 C REPRESENTS SOUTHERN COASTAL PLAIN; SAND HILLS; BLACK LANDS; AND ATLANTIC COAST FLATWOODS MLRAS

**GRADING AND SHAPING**  
 1. EXCESSIVE WATER RUN-OFF SHALL BE REDUCED BY PROPERLY DESIGNED AND INSTALLED EROSION CONTROL PRACTICES SUCH AS CLOSED DRAINS, DITCHES, DIKES, DIVERSIONS, SEDIMENT BARRIERS AND OTHERS.  
 2. NO SHAPING OR GRADING IS REQUIRED IF SLOPES CAN BE STABILIZED BY HAND-SEEDED VEGETATION OR IF HYDRAULIC SEEDING EQUIPMENT IS TO BE USED.

**SEEDBED PREPARATION**  
 1. WHEN A HYDRAULIC SEEDER IS USED, SEEDBED PREPARATION IS NOT REQUIRED. WHEN USING CONVENTIONAL OR HAND-SEEDING, SEEDBED PREPARATION IS NOT REQUIRED IF THE SOIL MATERIAL IS LOOSE AND NOT SEALED BY RAINFALL.  
 2. WHEN SOIL HAS BEEN SEALED BY RAINFALL OR CONSISTS OF SMOOTH CUT SLOPES, THE SOIL SHALL BE PITTED, TRENCHED OR OTHERWISE SCARIFIED TO PROVIDE A PLACE FOR SEED TO LODGE AND GERMINATE.

**LIME AND FERTILIZER APPLICATION**  
 AGRICULTURAL LIME, WITHIN THE GA DEPT OF AGRICULTURE SPECS, IS REQUIRED AT A RATE OF ONE TON TO TWO TONS PER ACRE UNLESS SOIL TESTS INDICATE OTHERWISE. GRADED AREAS REQUIRE LIME APPLICATION. IF LIME IS APPLIED WITHIN 6 MONTHS OF PLANTING PERMANENT PERENNIAL VEGETATION, ADD'L LIME IS NOT REQUIRED.  
 LIME SPREAD BY CONVENTIONAL EQUIPMENT SHALL BE GROUND LIME, WHICH IS CALCIUM OR DOLOMITIC LIMESTONE GROUND SO THAT 90 PERCENT OF THE MATERIAL WILL PASS THROUGH A 10-MESH SIEVE, NOT LESS THAN 50 PERCENT WILL PASS THROUGH A 50- MESH SIEVE, AND NOT LESS THAN 25 PERCENT WILL PASS THROUGH A 100-MESH SIEVE. AGRICULTURAL LIME IS GENERALLY NOT REQUIRED WHERE ONLY TREES ARE PLANTED. INITIAL FERTILIZATION, NITROGEN, TOP DRESSING, AND MAINTENANCE FERTILIZER REQUIREMENTS FOR EACH SPECIES OR COMBINATION OF SPECIES AS LISTED IN THE TABLES. 10/10/10 FERTILIZER PELLETS RATES SHALL BE APPLIED AT 500-700 LBS PER ACRE, OR A SOIL TEST MAY BE CONDUCTED.

**MULCHING**  
 TEMPORARY VEGETATION CAN, IN MOST CASES, BE ESTABLISHED WITHOUT THE USE OF MULCH. MULCH WITHOUT SEEDING SHOULD BE CONSIDERED FOR SHORT TERM PROTECTION. SEE Ds1-DISTURBED AREA STABILIZATION, (WITH MULCHING ONLY).

**IRRIGATION**  
 DURING TIMES OF DROUGHT, WATER SHALL BE APPLIED AT A RATE NOT CAUSING RUNOFF AND EROSION. THE SOIL SHALL BE THOROUGHLY WETTED TO A DEPTH THAT WILL INSURE GERMINATION OF THE SEED. SUBSEQUENT APPLICATIONS SHOULD BE MADE WHEN NEEDED.

**GRASSING NOTES**

APPROVED  
 STATE OF GEORGIA  
 DEPT OF NATURAL RESOURCES

AUG 17 2023  
 Calvin Shipes  
 Environmental Protection Division  
 Safe Dams Program

SCALE: AS SHOWN DATE: 12/20  
 DESIGN BY: JCL/JMH/JR 12/20  
 DRAWN BY: JCL/JMH/JR 12/20  
 CHECKED BY: MLW/JR 12/20  
 COA: PEF00707 EXP: 06/30/2024

JASON HAPPELAN, VP, PE, EOR  
 LEVEL 2 CERTIFICATION # 3031  
 EXPIRATION DATE: 12/07/23

6/25/23

**Du DUST CONTROL ON DISTURBED AREAS**

**DEFINITION**  
 CONTROLLING SURFACE AND AIR MOVEMENT OF DUST ON CONSTRUCTION SITES, ROADS, AND DEMOLITION SITES.

**CONDITIONS**  
 THIS PRACTICE IS APPLICABLE TO AREAS SUBJECT TO SURFACE AND AIR MOVEMENT OF DUST WHERE ON AND OFF-SITE DAMAGE MAY OCCUR WITHOUT TREATMENT.

**METHOD AND MATERIALS**  
 A. TEMPORARY METHODS  
 MULCHES. SEE STANDARD Ds1-DISTURBED AREA STABILIZATION (WITH MULCHING ONLY). SYNTHETIC RESINS MAY BE USED INSTEAD OF ASPHALT TO BIND MULCH MATERIAL. REFER TO STANDARD Td-TACKIFIERS AND BINDERS. RESINS SUCH AS CURASOLOR OR TERRATAK SHOULD BE USED ACCORDING TO MANUFACTURER'S RECOMMENDATIONS.  
 VEGETATIVE COVER. SEE STANDARD Ds2-DISTURBED AREA STABILIZATION (WITH TEMPORARY SEEDING).  
 SPRAY-ON ADHESIVES. THESE ARE USED ON MINERAL SOILS (NOT EFFECTIVE ON MUCK SOILS). KEEP TRAFFIC OFF THESE AREAS. REFER TO STANDARD Td-TACKIFIERS AND BINDERS.  
 TILLAGE. THIS PRACTICE IS DESIGNED TO ROUGHEN AND BRING CLODS TO THE SURFACE. IT IS AN EMERGENCY MEASURE WHICH SHOULD BE USED BEFORE WIND EROSION STARTS. BEGIN PLOWING ON WINDWARD SIDE OF SITE. CHISEL-TYPE PLOWS SPACED ABOUT 12 INCHES APART, SPRING-TOOTHED HARROWS, AND SIMILAR PLOWS ARE EXAMPLES OF EQUIPMENT WHICH MAY PRODUCE THE DESIRED EFFECT.  
 IRRIGATION. THIS IS GENERALLY DONE AS AN EMERGENCY TREATMENT. SITE IS SPRINKLED WITH WATER UNTIL THE SURFACE IS WET. REPEAT AS NEEDED.  
 BARRIERS. SOLID BOARD FENCES, SNOW FENCES, BURLAP FENCES, CRATE WALLS, BALES OF HAY AND SIMILAR MATERIAL CAN BE USED TO CONTROL AIR CURRENTS AND SOIL-BLOWING. BARRIERS PLACED AT RIGHT ANGLES TO PREVAILING CURRENTS AT INTERVALS OF ABOUT 15 TIMES THEIR HEIGHT ARE EFFECTIVE IN CONTROLLING WIND EROSION.  
 CALCIUM CHLORIDE. APPLY AT RATE THAT WILL KEEP SURFACE MOIST. MAY NEED RETREATMENT.

B. PERMANENT METHODS  
 PERMANENT VEGETATION. SEE STANDARD Ds3-DISTURBED AREA STABILIZATION (WITH PERMANENT VEGETATION). EXISTING TREES AND LARGE SHRUBS MAY AFFORD VALUABLE PROTECTION IF LEFT IN PLACE.  
 TOPSOILING. THIS ENTAILS COVERING THE SURFACE WITH LESS EROSION SOIL MATERIAL. SEE STANDARD Td-TOPSOILING.  
 STONE. COVER SURFACE WITH CRUSHED STONE OR COARSE GRAVEL. SEE STANDARD Cr-CONSTRUCTION ROAD STABILIZATION.

**PRIMARY PERMITTEE**  
 OWNER:  
 FAYETTE COUNTY  
 BOARD OF COMMISSIONERS  
 140 STONEWALL AVENUE WEST  
 FAYETTEVILLE, GEORGIA 30214  
 CONTACT: MR. PHIL MALLON  
 PHONE: (770) 320-6010

**24 HR. CONTACT PERSON**  
 PHIL MALLON  
 (770) 313-9855

811  
 Know what's below.  
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THE SITE IS LOCATED ON LONGVIEW ROAD IN LAND LOT 198 OF FAYETTE COUNTY, FAYETTEVILLE, GEORGIA.

RELEASED FOR CONSTRUCTION  
 BY: MARTIN L. WALDEN, P.E. DATE: 9-15-21

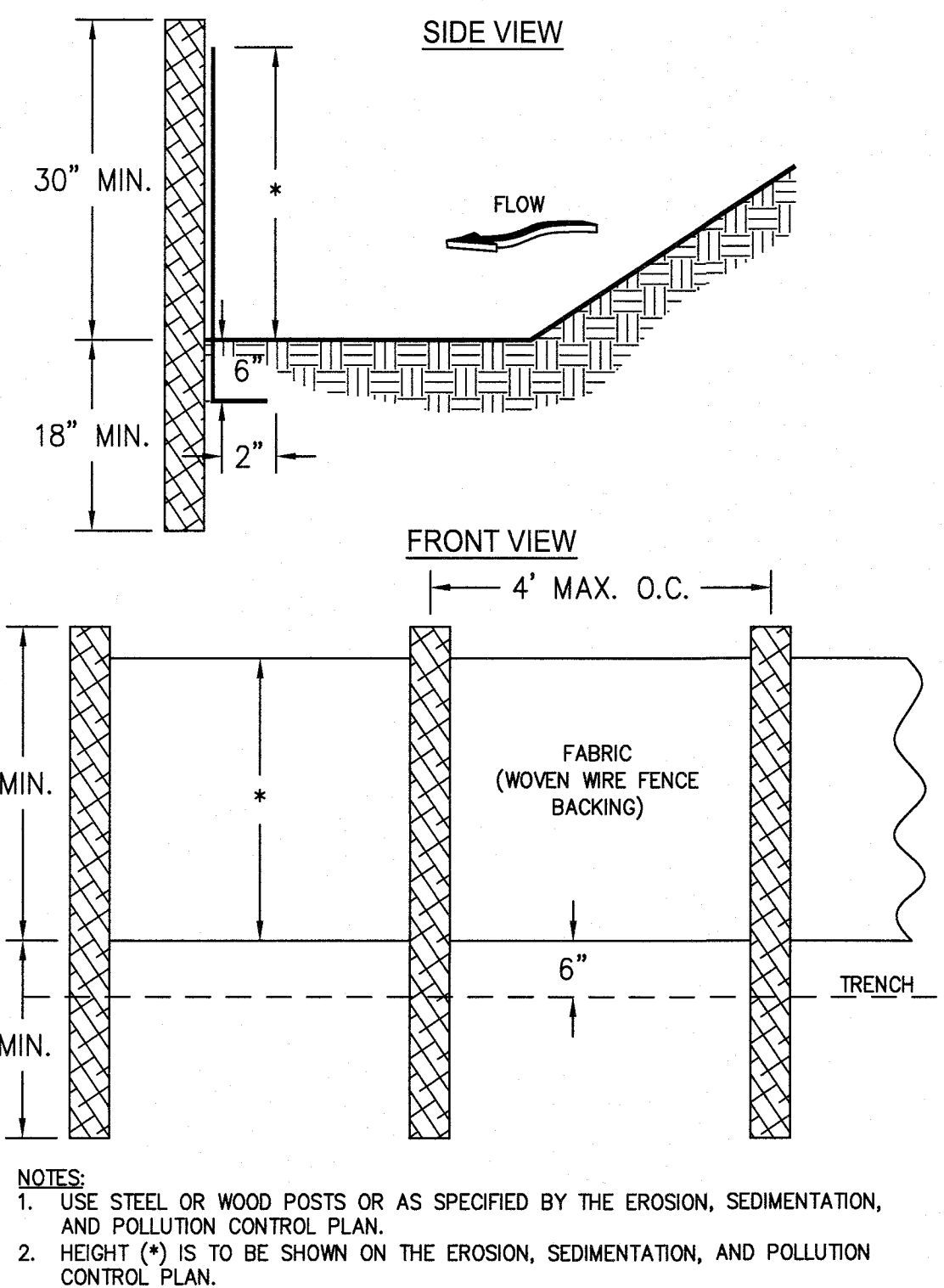
APPROVED  
 07/13/2023  
 FAYETTE COUNTY  
 ENVIRONMENTAL MANAGEMENT

WALDEN, ASHWORTH & ASSOCIATES, INC.  
 CONSULTING ENGINEERS  
 P.O. BOX  
 MARIETTA, GEORGIA 30065  
 (770) 956-7897  
 COA: PEF000707 EXP: 06/30/2020

JOB NO. 3804600 DRAWING NUMBER 38046-C-205 REV. NO. 1



**SILT FENCE - TYPE SENSITIVE**



**CONSTRUCTION SPECIFICATIONS**

THE MANUFACTURER SHALL HAVE EITHER AN APPROVED COLOR MARK YARN IN THE FABRIC OR LABEL THE FABRICATED SILT FENCE WITH BOTH THE MANUFACTURER AND FABRIC NAME EVERY 100'.  
 THE TEMPORARY SILT FENCE SHALL BE INSTALLED ACCORDING TO THIS SPECIFICATION, AS SHOWN ON THE PLANS OR AS DIRECTED BY THE ENGINEER. FOR INSTALLATION OF THE FABRIC, SEE FIGURES 6-20.4, 6-20.5, AND 6-20.6 RESPECTIVELY.  
 POST INSTALLATION SHALL START AT THE CENTER OF THE LOW POINT (IF APPLICABLE) WITH REMAINING POSTS SPACED 6 FEET APART FOR TYPE "A" AND "B" SILT FENCES AND 4 FEET APART FOR TYPE "C" SILT FENCE. WHILE TYPE "A" AND "B" SILT FENCES CAN BE USED WITH BOTH WOOD AND STEEL POSTS, ONLY STEEL POSTS SHALL BE USED WITH TYPE "C" SILT FENCE. FOR POST SIZE REQUIREMENTS, SEE TABLE 6-20.3. FASTENERS FOR WOOD POSTS ARE LISTED IN TABLE 6-20.4.

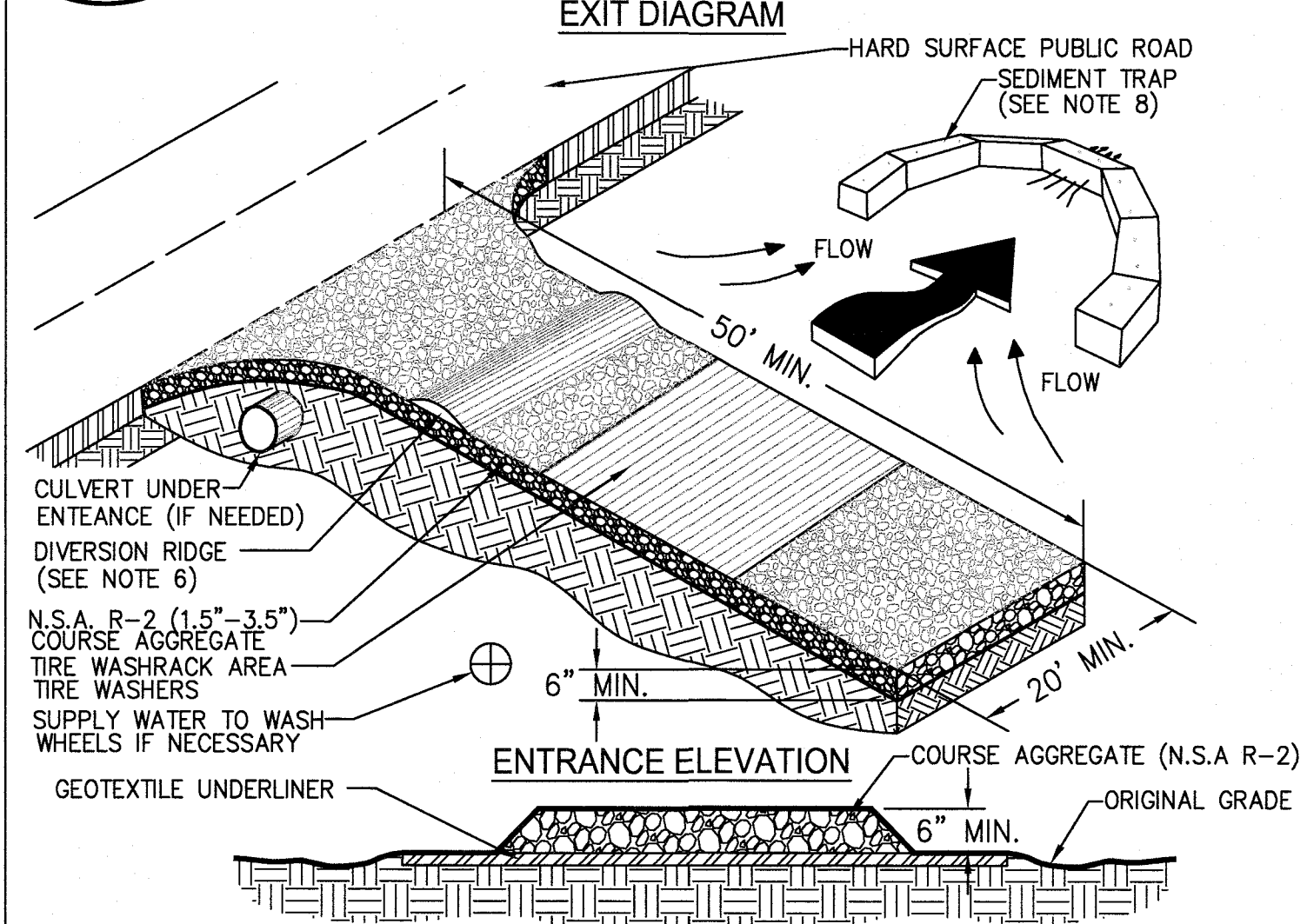
ALONG STREAM BUFFERS AND OTHER SENSITIVE AREAS, TWO ROWS OF TYPE "C" SILT FENCE OR ONE ROW OF TYPE "C" SILT FENCE BACKED BY HAYBALES SHALL BE USED.

**MAINTENANCE**

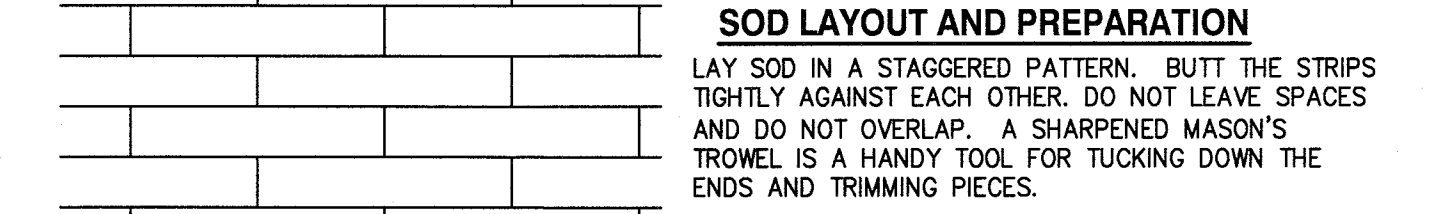
SEDIMENT SHALL BE REMOVED ONCE IT HAS ACCUMULATED TO ONE-HALF THE ORIGINAL HEIGHT OF THE BARRIER. FILTER FABRIC SHALL BE REPLACED WHENEVER IT HAS DETERIORATED TO SUCH AN EXTENT THAT THE EFFECTIVENESS OF THE FABRIC IS REDUCED (APPROXIMATELY SIX MONTHS). TEMPORARY SEDIMENT BARRIERS SHALL REMAIN IN PLACE UNTIL DISTURBED AREAS HAVE BEEN PERMANENTLY STABILIZED. ALL SEDIMENT ACCUMULATED AT THE BARRIER SHALL BE REMOVED AND PROPERLY DISPOSED OF BEFORE THE BARRIER IS REMOVED.

POST SIZE TABLE 6-13.3			
TYPE	MIN. LENGTH	TYPE OF POST	SIZE OF POST
TYPE NS	4'	SOFT WOOD	3" DIA. OR 2x4
		OAK	1.5"x1.5"
		STEEL	1.3 LB/FT MIN.
TYPE S	4'	STEEL	1.3LB/FT MIN.

**Co CRUSHED STONE CONSTRUCTION EXIT**



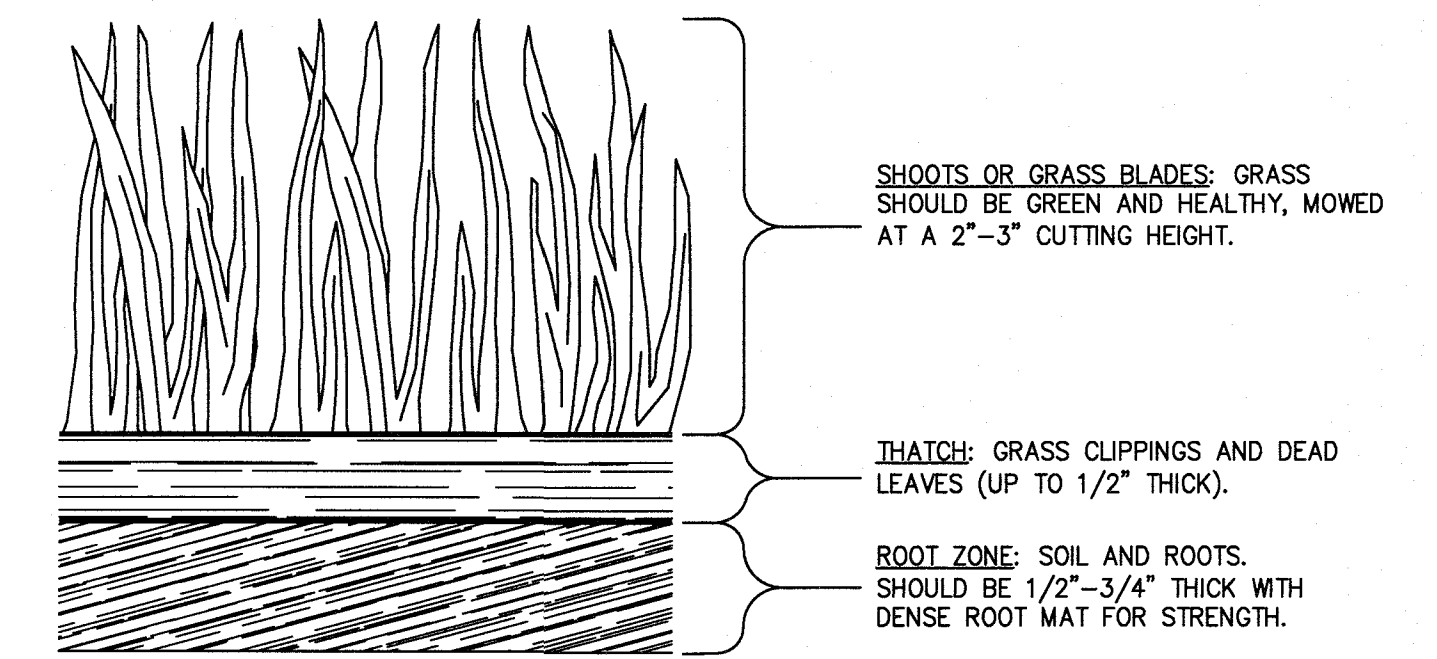
- NOTES:**
1. AVOID LOCATING ON STEEP SLOPES OR AT CURVES ON PUBLIC ROADS.
  2. REMOVE ALL VEGETATION AND OTHER UNSUITABLE MATERIAL FROM THE FOUNDATION AREA, GRADE, AND CROWN FOR POSITIVE DRAINAGE.
  3. AGGREGATE SIZE SHALL BE IN ACCORDANCE WITH NATIONAL STONE ASSOCIATION R-2 (1.5"-3.5" STONE).
  4. GRAVEL PAD SHALL HAVE A MINIMUM THICKNESS OF 6".
  5. PAD WIDTH SHALL BE EQUAL FULL WIDTH AT ALL POINTS OF VEHICULAR EGRESS, BUT NO LESS THAN 20'.
  6. A DIVERSION RIDGE SHOULD BE CONSTRUCTED WHEN GRADE TOWARD PAVED AREA IS GREATER THAN 2%.
  7. INSTALL PIPE UNDER THE ENTRANCE IF NEEDED TO MAINTAIN DRAINAGE DITCHES.
  8. WHEN WASHING IS REQUIRED, IT SHOULD BE DONE ON AN AREA STABILIZED WITH CRUSHED STONE THAT DRAINS INTO AN APPROVED SEDIMENT TRAP OR SEDIMENT BASIN (DIVERT ALL SURFACE RUNOFF AND DRAINAGE FROM THE ENTRANCE TO A SEDIMENT CONTROL DEVICE).
  9. WASHRACKS AND/OR TIRE WASHERS MAY BE REQUIRED DEPENDING ON SCALE AND CIRCUMSTANCE. IF NECESSARY, WASHRACK DESIGN MAY CONSIST OF ANY MATERIAL SUITABLE FOR TRUCK TRAFFIC THAT REMOVE MUD AND DIRT.
  10. MAINTAIN AREA IN A WAY THAT PREVENTS TRACKING AND/OR FLOW OF MUD ONTO PUBLIC RIGHTS-OF-WAYS. THIS MAY REQUIRE TOP DRESSING, REPAIR AND/OR CLEANOUT OF ANY MEASURES USED TO TRAP SEDIMENT.



**DIRECTIONS FOR INITIAL MAINTENANCE**

- Step 1. ROLL SOD IMMEDIATELY TO ACHIEVE FIRM CONTACT WITH THE SOIL
- Step 2. WATER TO A DEPTH OF 4" AS NEEDED. WATER WELL AS SOON AS THE SOD IS LAID.
- Step 3. MOW WHEN THE SOD IS ESTABLISHED -- IN 2-3 WEEKS. SET THE MOWER HIGH (2"-3").

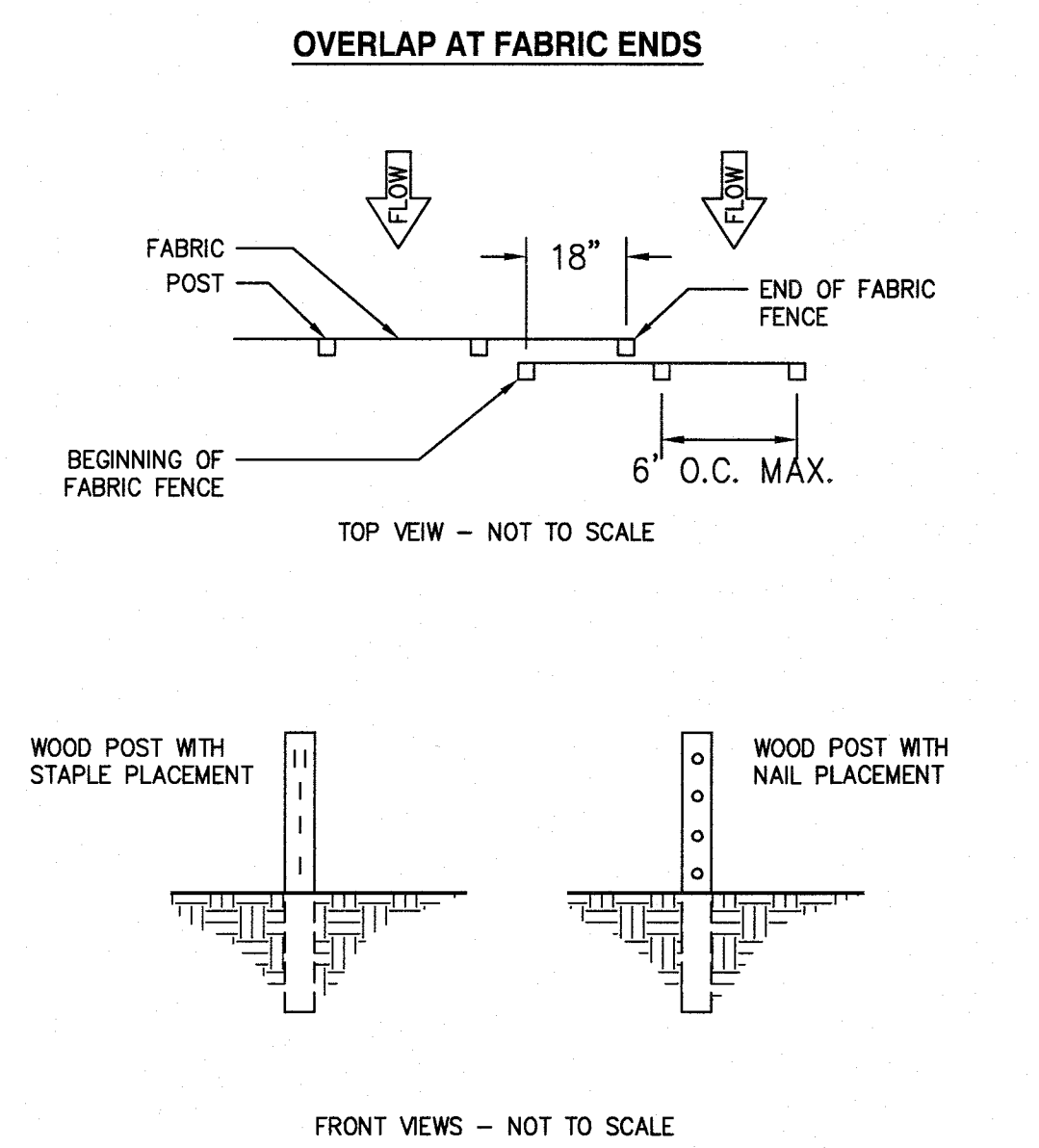
**APPEARANCE OF GOOD SOD**



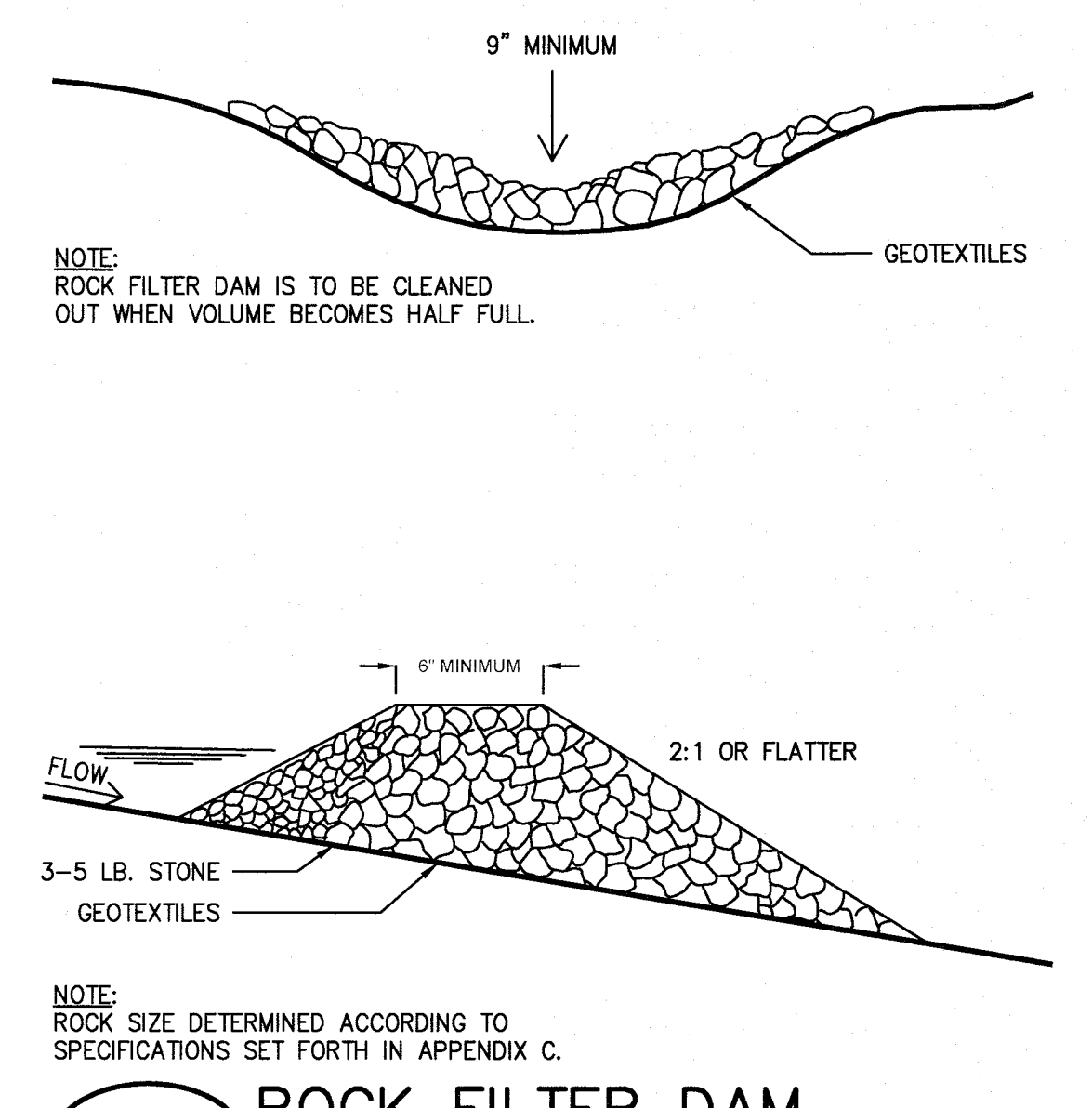
**Ds4 DISTURBED AREA STABILIZATION (WITH SOD)**

**Sd1-S SILT FENCE - TYPE SENSITIVE**  
SCALE: N.T.S.

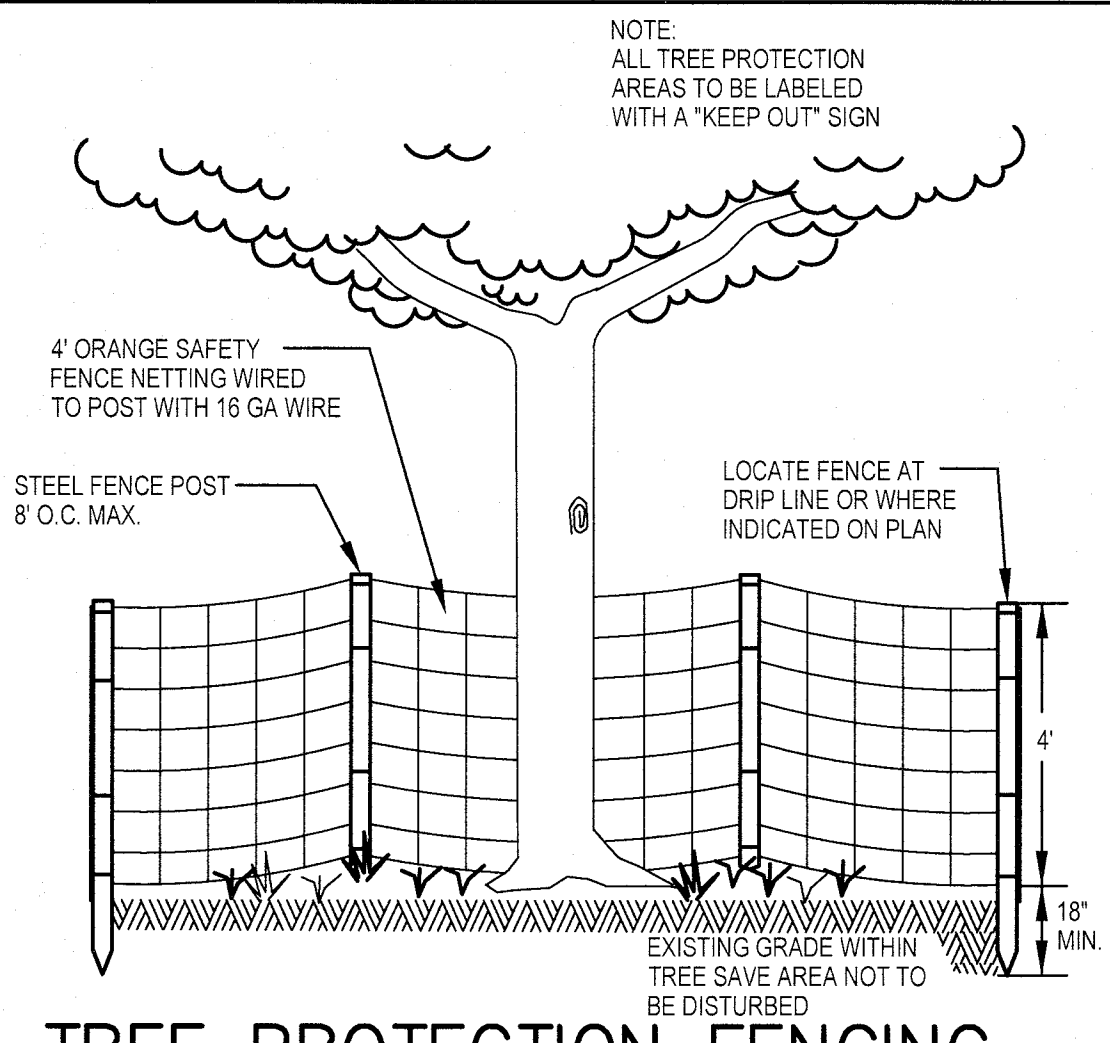
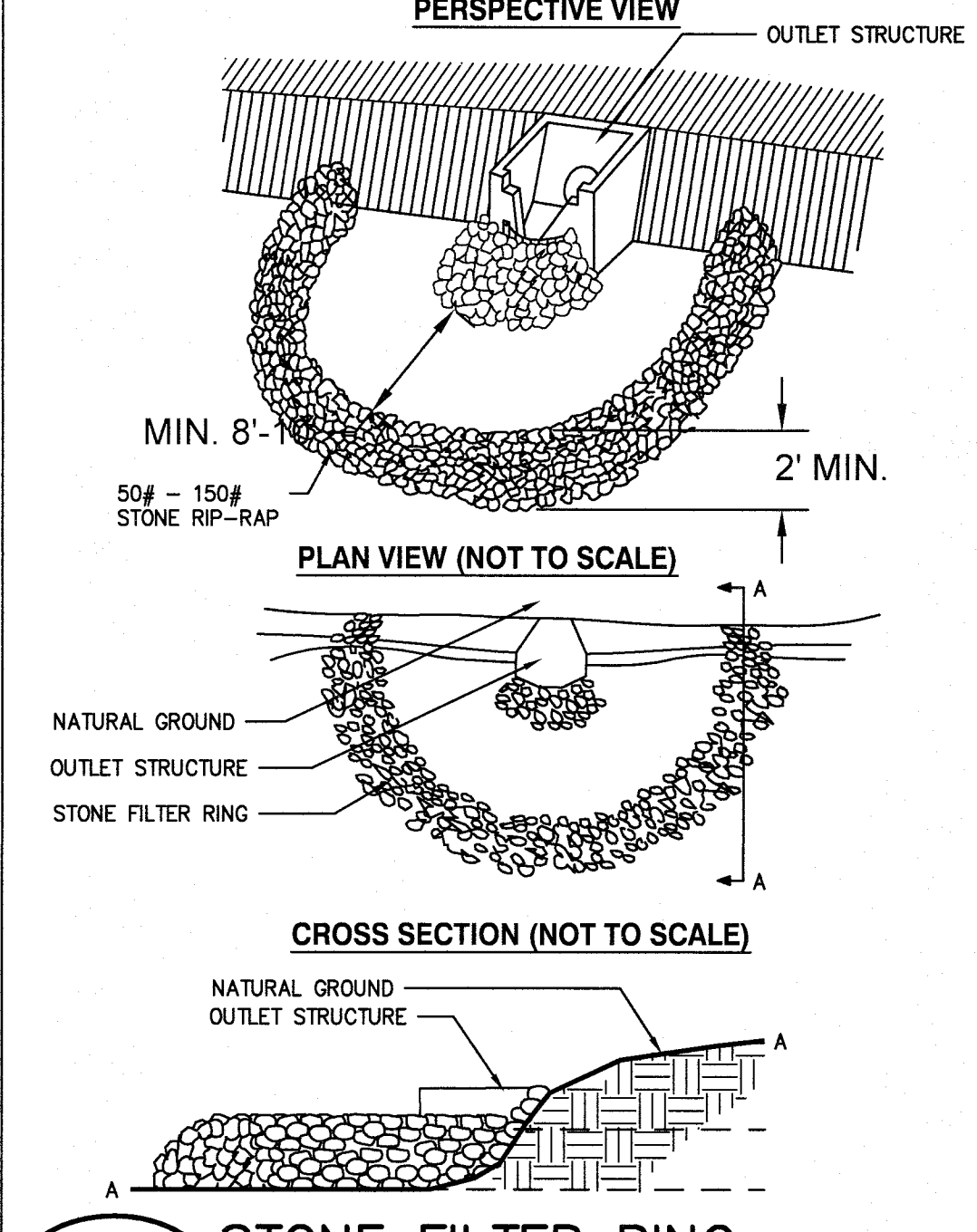
**FASTENERS FOR SILT FENCES**



**ROCK FILTER DAM**



**STONE FILTER RING**



**PRIMARY PERMITTEE**  
**OWNER:**  
 FAYETTE COUNTY BOARD OF COMMISSIONERS  
 140 STONEWALL AVENUE WEST  
 FAYETTEVILLE, GEORGIA 30214  
 CONTACT: MR. PHIL MALLON  
 PHONE: (770) 320-6010

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**24 HR. CONTACT PERSON**  
 PHIL MALLON  
 (770) 313-9855

RELEASED FOR CONSTRUCTION  
 BY: MARTIN L. WALDEN, P.E. DATE: 9-15-21

THE SITE IS LOCATED ON LONGVIEW ROAD IN LAND LOT 198 OF FAYETTE COUNTY, FAYETTEVILLE, GEORGIA.

**PHILLIPS LAKE ES&PC DETAILS**

**FAYETTE COUNTY**

**WALDEN, ASHWORTH & ASSOCIATES, INC.**  
 CONSULTING ENGINEERS  
 P.O. BOX  
 MARIETTA, GEORGIA 30065  
 (770) 956-7897  
 COA: PEF000707 EXP: 06/30/2020

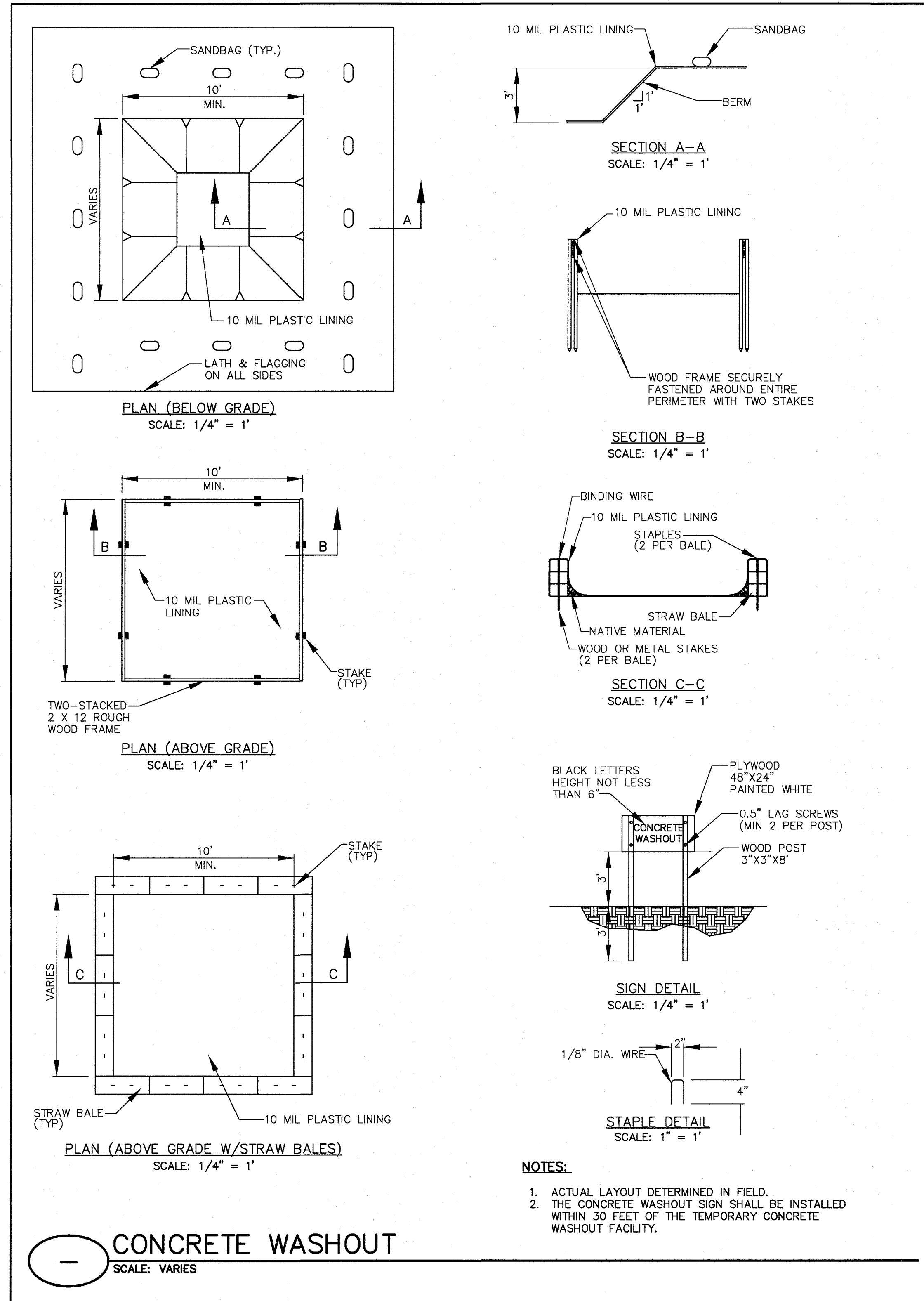
JOB NO. 3804600 DRAWING NUMBER **38046-C-206** REV. NO. **1**

NO.	REVISIONS	MADE	CHKD.	DATE	NO.	REVISIONS	MADE	CHKD.	DATE
1	REV. LEVEL 2 PROFESSIONAL AND EOR, UPDATE NOTES	JH	JR	6/25/23					

**APPROVED**  
 07/13/2023  
 FAYETTE COUNTY ENVIRONMENTAL MANAGEMENT

SCALE: AS SHOWN DATE: 12/20  
 DESIGN BY: JCL/JMH/JR 12/20  
 DRAWN BY: JCL/JMH/JR 12/20  
 CHECKED BY: MLW/JR 12/20  
 COA: PEF00707 EXP: 06/30/2024  
 JASON RAPPLEAN, VP, PE, EOR  
 LEVEL 2 CERTIFICATION # 3031  
 EXPIRATION DATE: 12/07/23  
 6/25/23





## TYPICAL INSTALLATION GUIDELINES FOR ROLLED EROSION CONTROL PRODUCTS (RECP)

### BLANKET AND MATTING CROSS-SECTIONS

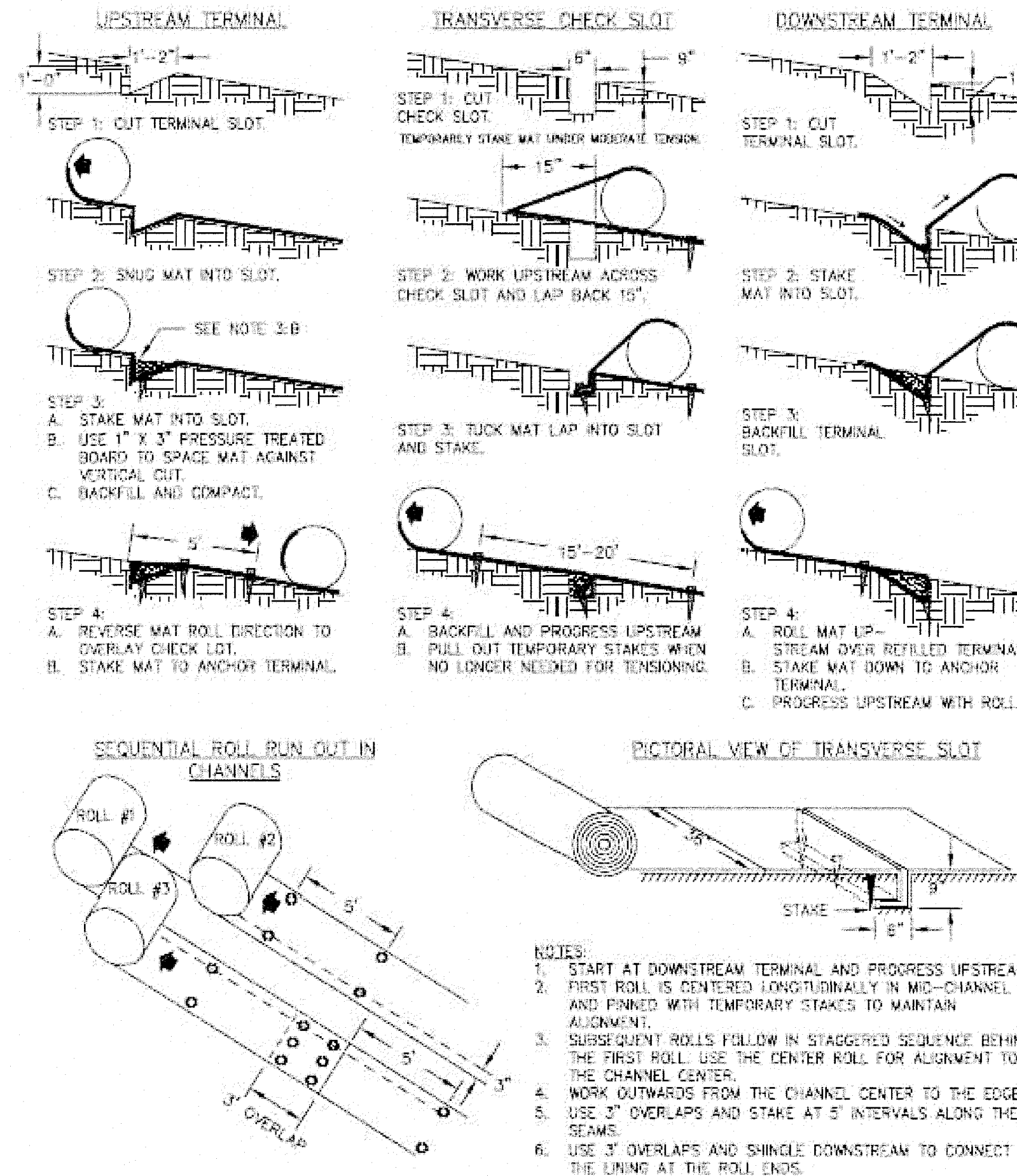


Figure 6-10.1 - Typical Installation Guidelines for Matting and Blankets

**SITE PREPARATION:** After the site has been shaped and graded to the approved design, prepare a friable seedbed relatively free from clods and rocks more than one inch in diameter, and any foreign material that will prevent contact of the soil stabilization mat with the soil surface. Surface must be smooth to ensure proper contact of blankets or matting to the soil surface. If necessary, redirect any runoff from the ditch or slope during installation.

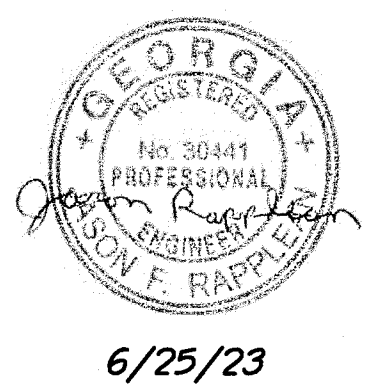
**MAINTENANCE:** All erosion control blankets and matting should be inspected periodically following installation, particularly after rainstorms to check for erosion and undermining. Any dislocation or failure should be repaired immediately. If washouts or breakage occurs, reinstall the material after repairing damage to the slope or ditch. Continue to monitor these areas until they become permanently stabilized.

**FOR THIS PROJECT:** This project shall utilize blankets for all slopes exceeding slopes of 3:1. For slopes along the roadway and behind the townhome units that exceed ten (10') vertical feet in height, extended term blankets shall be used to allow for vegetation to establish on the slopes and fully stabilize them.

- Short-Term**  
(functional longevity 12 mo.)
- Photodegradable  
Straw blankets with a top and bottom side photo degradable net. The maximum size of the mesh should be openings of 1" X 1/2". The blanket should be sewn together on 1.5' centers with degradable thread. Minimum thickness should be 0.35" and minimum density should be 0.5 lbs per square yard.
  - Biodegradable  
Straw blanket with a top and bottom side biodegradable jute net. The top side net should consist of machine direction strands that are 6-70 twisted together and then interwoven with cross direction strands (leno weave). The bottom net may be leno weave or otherwise to meet requirements. The approximate size of the mesh should be openings of 0.5" X 1.0". The blanket should be sewn together on 1.5' centers with degradable thread. Minimum thickness should be 0.25" and minimum density should be 0.5 lbs per square yard.
- Extended-Term**  
(functional longevity 24 mo.)
- Photodegradable  
Blankets that consist of 70% straw and 30% coconut with a top and bottom side photodegradable net. The top net should have ultraviolet additives to delay breakdown. The maximum size of the mesh should be openings of 0.65" X 0.65". The blanket should be sewn together on 1.5' centers with degradable thread. Minimum thickness should be 0.35" and minimum density should be 0.5 lbs per square yard.
  - Biodegradable  
Blankets that consist of 70% straw and 30% coconut with a top and bottom side biodegradable jute net. The top side net should consist of machine direction strands that are twisted together and then interwoven with cross direction strands (leno weave). The bottom net may be leno weave or otherwise to meet requirements. The approximate size of the mesh should be openings of 0.5" X 1.0". The blanket should be sewn together on 1.5' centers with degradable thread. Minimum thickness should be 0.25" and minimum density should be 0.5 lbs per square yard.
- Long-Term**  
(functional longevity 36 mo.)
- Photodegradable  
Blankets that consist of 100% coconut with a top and bottom side photodegradable net. Each net should have ultraviolet additives to delay breakdown. The maximum size of the mesh should be openings of 0.65" X 0.65". The blanket should be sewn together on 1.5' centers with degradable thread. Minimum thickness should be 0.3" and minimum density should be 0.5 lbs per square yard.
  - Biodegradable  
Blankets that consist of 100% coconut with a top and bottom side biodegradable jute net. The top side net should consist of machine direction strands that are twisted together and then interwoven with cross direction strands (leno weave). The bottom net may be leno weave or otherwise to meet requirements. The approximate size of the mesh should be openings of 0.5" X 1.0". The blanket should be sewn together on 1.5' centers with degradable thread. Minimum thickness should be 0.25" and minimum density should be 0.5 lbs per square yard.
- NOTES:**
- It is the intention of this section to allow interchangeable use of RECPs and HECPs for erosion protection on slopes. The project engineer should select the type of erosion control product that best fits the need of the particular site.
- Site Preparation**  
After the site has been shaped and graded to the approved design, prepare a friable seedbed relatively free from clods and rocks more than one inch in diameter, and any foreign material that will prevent contact of the soil stabilization mat with the soil surface. Surface must be smooth to ensure proper contact of blankets or matting to the soil surface. If necessary, redirect any runoff from the ditch or slope during installation.
- MAINTENANCE**  
All erosion control blankets and matting should be inspected periodically following installation, particularly after rainstorms to check for erosion and undermining. Any dislocation or failure should be repaired immediately. If washouts or breakage occurs, reinstall the material after repairing damage to the slope or ditch. Continue to monitor these areas until they become permanently stabilized.

APPROVED  
STATE OF GEORGIA  
DEPT OF NATURAL RESOURCES

AUG 17 2023  
Walden Ashworth & Associates  
Environmental Protection Division  
Safe Dams Program



SCALE: AS SHOWN	DATE
DESIGN BY: JCL/JMH/JR	12/20
DRAWN BY: JCL/JMH/JR	12/20
CHECKED BY: MLW/JR	12/20
CDA: PEF00707	EXP: 06/30/2024
JASON RAPPLEAN, VP, PE, EOR	LEVEL 2 CERTIFICATION # 3031
EXPIRATION DATE:	12/07/23

THE SITE IS LOCATED ON LONGVIEW ROAD IN LAND LOT 198 OF FAYETTE COUNTY, FAYETTEVILLE, GEORGIA.

**PHILLIPS LAKE  
ES&PC  
DETAILS**

**FAYETTE COUNTY**

RELEASED FOR CONSTRUCTION  
BY: MARTIN L. WALDEN, P.E. DATE: 9-15-21



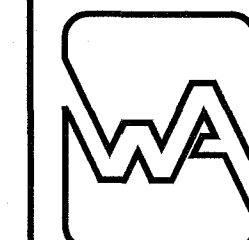
Know what's below.  
Call before you dig.

PRIMARY PERMITTEE

OWNER:  
FAYETTE COUNTY  
BOARD OF COMMISSIONERS  
140 STONEWALL AVENUE WEST  
FAYETTEVILLE, GEORGIA 30214  
CONTACT: MR. PHIL MALLON  
PHONE: (770) 320-6010

24 HR. CONTACT PERSON

PHIL MALLON  
(770) 313-9855



**WALDEN, ASHWORTH & ASSOCIATES, INC.**  
CONSULTING ENGINEERS  
P.O. BOX  
MARIETTA, GEORGIA 30065  
(770) 956 - 7897  
COA: PEF000707 EXP: 06/30/2020

JOB NO.  
3804600

DRAWING NUMBER

**38046-C-207**

REV. NO.

**1**

APPROVED 07/13/2023 FAYETTE COUNTY ENVIRONMENTAL MANAGEMENT																				
1	REV. LEVEL 2 PROFESSIONAL AND EOR, UPDATE NOTES	JH	JR	6/25/23																
NO.	REVISIONS	MADE	CKD.	DATE	NO.	REVISIONS	MADE	CKD.	DATE	NO.	REVISIONS	MADE	CKD.	DATE	NO.	REVISIONS	MADE	CKD.	DATE	

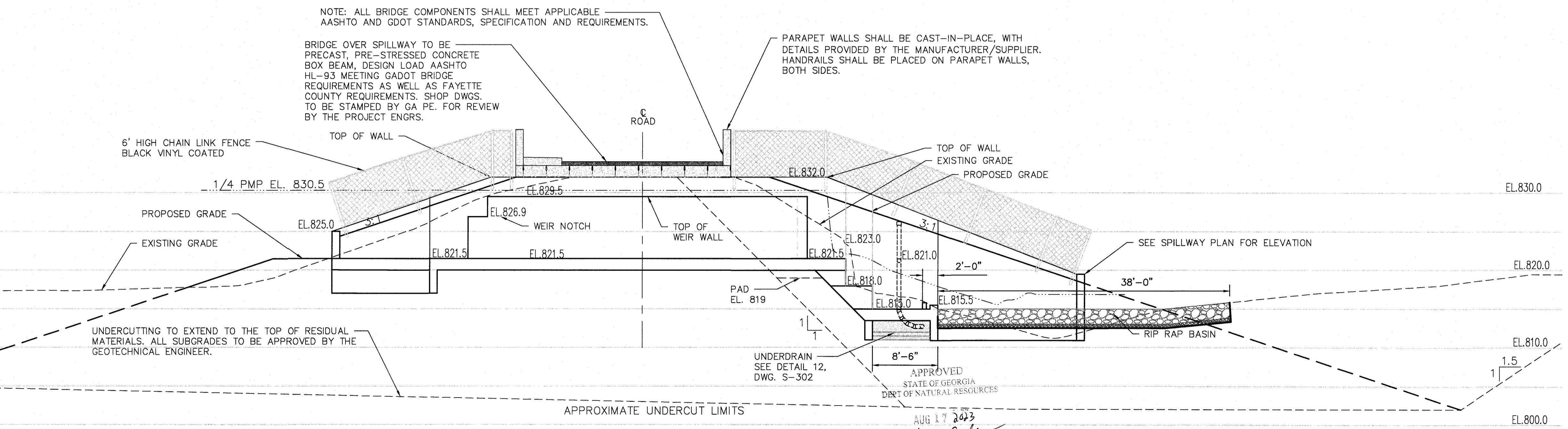
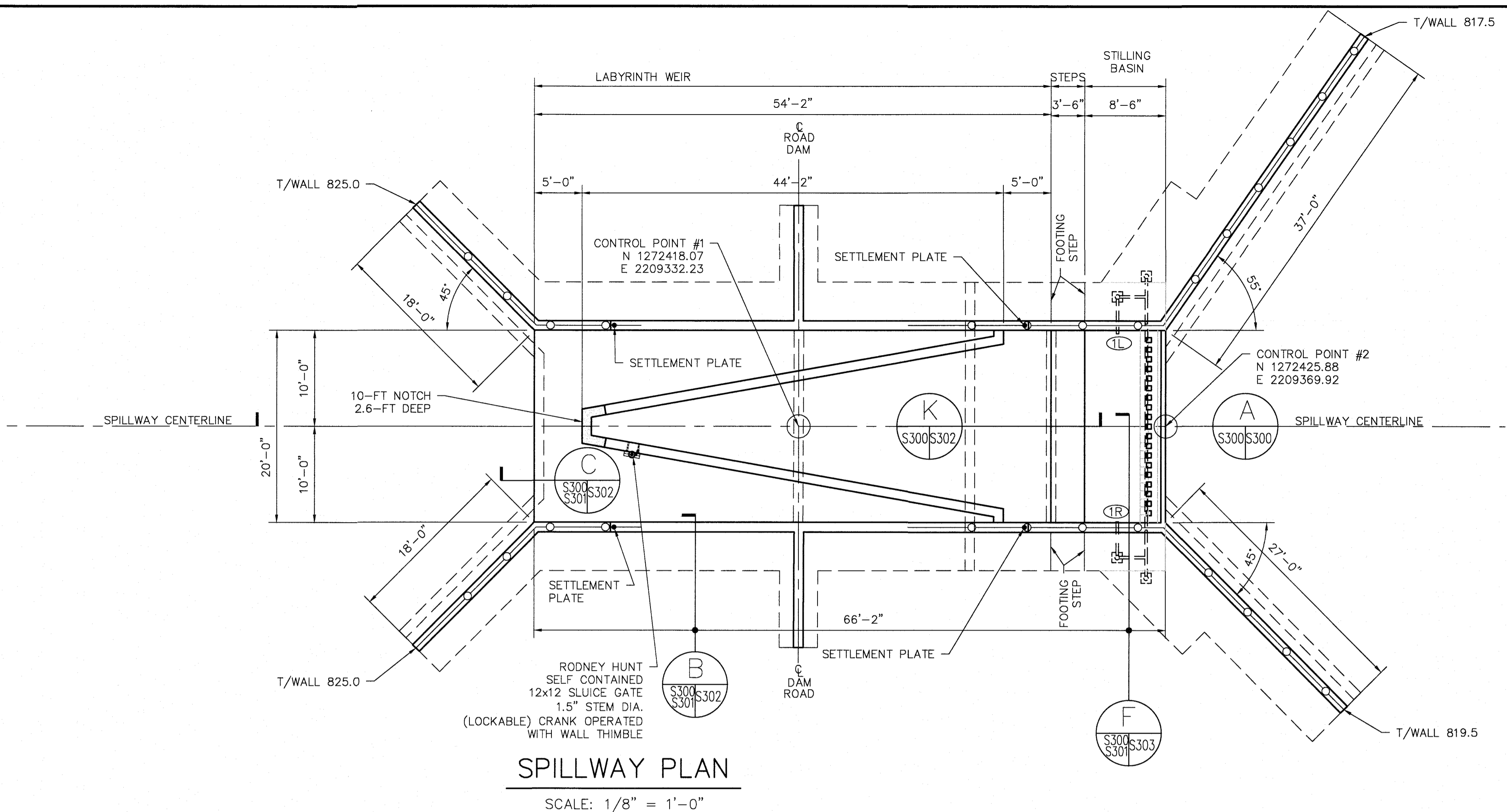


**NOTES:**

1. FOR GENERAL NOTES AND LEGEND, SEE C-104.

**STRUCTURAL NOTES**

- DESIGN IN ACCORDANCE WITH THE 2012 INTERNATIONAL BUILDING WITH GEORGIA AMENDMENTS AND ACI 350-06.
- MATERIALS ARE TO BE AS FOLLOWS:  
CONCRETE REGULAR WEIGHT,  $f'_c = 4,000$  PSI AT 28 DAYS  
AIR ENTRAINMENT = 3-6 PERCENT. MAX W/C = 0.45.  
SLUMP RANGE = 3" TO 5"
- CONTRACTOR SHALL SUBMIT CONCRETE MIX DESIGNS AND COMPLETE REINFORCING DETAILS TO THE DESIGN ENGINEER FOR REVIEW AND APPROVAL.
- MINIMUM DESIGN SOIL BEARING CAPACITY IS 3,000 PSF AND IS TO BE VERIFIED BY THE PROJECT GEOTECHNICAL ENGINEER.
- PROVIDE BAR SUPPORTS AND SPACERS IN ACCORDANCE WITH ACI 315 "MANUAL OF STANDARD PRACTICE FOR DETAILING REINFORCED CONCRETE STRUCTURES."
- CONCRETE PROTECTION FOR REINFORCEMENT:  
CONCRETE CAST AGAINST EARTH: .....3 INCHES  
CONCRETE EXPOSED TO EARTH OR WEATHER:  
#5 BARS AND SMALLER: .....2 INCHES  
#6 BARS AND LARGER: .....2 INCHES
- LAP ALL BARS IN ACCORDANCE WITH THE LAP SPLICE SCHEDULE UNLESS OTHERWISE NOTED. ALL REINFORCING SHALL CONFORM TO ACI 615-GRADE 60.
- EXPOSED EDGES OF CONCRETE SHALL HAVE A 3/4" 45° CHAMFER UNLESS SHOWN OTHERWISE.
- DESIGN BEARING CAPACITY IS 3,000 PSF. A SOIL BEARING CAPACITY OF LESS THAN IS STATED MAY REQUIRE THE FOOTING TO BE LARGER THAN SHOWN. NOTIFY DESIGN ENGINEER BEFORE PROCEEDING.
- CONTRACTOR SHALL SUBMIT SHOP DRAWINGS FOR CONCRETE WALL, STEEL FABRICATION TO WALDEN, ASHWORTH & ASSOCIATES, INC. FOR REVIEW PRIOR TO CONSTRUCTION.
- NOTIFY THE ENGINEER IN WRITING OF CONDITIONS ENCOUNTERED IN THE FIELD THAT ARE CONTRADICTORY TO THOSE SHOWN ON THE CONTRACT DOCUMENTS.
- THE CONTRACTOR IS SOLELY RESPONSIBLE FOR THE DESIGN, ADEQUACY AND SAFETY OF ERECTION BRACING, SHORING, FORMWORK, OR TEMPORARY SUPPORTS REQUIRED.
- THE CONTRACTOR IS RESPONSIBLE FOR COORDINATION OF DIMENSIONS SHOWN ON THE CONTRACT DRAWINGS. NOTIFY THE ENGINEER OF ANY DISCREPANCY BEFORE STARTING SHOP DRAWINGS OR ANY WORK.
- REVIEW OF SHOP DRAWINGS AND OTHER SUBMITTALS BY THE ENGINEER DOES NOT RELIEVE THE CONTRACTOR OF THE RESPONSIBILITY TO REVIEW AND CHECK SHOP DRAWINGS BEFORE SUBMITTAL TO THE ENGINEER. THE CONTRACTOR REMAINS SOLELY RESPONSIBLE FOR ERRORS AND OMISSIONS ASSOCIATED WITH THE PREPARATION OF SHOP DRAWINGS AS THEY PERTAIN TO MEMBER SIZES, DETAILS AND DIMENSIONS SPECIFIED IN THE CONTRACT DOCUMENTS. THE CONTRACTOR IS ALSO RESPONSIBLE FOR ALL MEANS, METHODS, TECHNIQUES, SEQUENCES, & PROCEDURES OF CONSTRUCTION, AS WELL AS, JOBSITE SAFETY. THE CONTRACTOR SHALL COMPLY WITH ALL FEDERAL, STATE, AND LOCAL REQUIREMENTS AND REGULATIONS.
- INSPECTION OF REINFORCING STEEL FOR ALL WALLS IS REQUIRED. CONTRACTOR SHALL NOTIFY DESIGN ENGINEER A MINIMUM OF 24 HOURS PRIOR TO COMPLETION OF STEEL PLACEMENT TO ARRANGE AN INSPECTION. CONCRETE SHALL NOT BE POURED UNTIL STEEL PLACEMENT HAS BEEN INSPECTED AND APPROVED BY THE DESIGN ENGINEER. A MINIMUM OF 4 CONCRETE TEST CYLINDERS SHALL BE TAKEN FROM EACH POUR, OR EVERY 50 CUBIC YARDS, WHICHEVER IS GREATER. ONE CYLINDER WILL BE TESTED AT 7 DAYS AND THE OTHER TWO AT 28 DAYS BY THE GEOTECHNICAL ENGINEER FOR STRENGTH COMPLIANCE.
- FIELD BENDING OF REINFORCING STEEL WILL BE ALLOWED AS LONG AS ALL BARS ARE BENT AROUND A MINIMUM RADIUS PIN AS REQUIRED IN ACI 318. DO NOT HEAT BARS. BARS MUST BE BENT COLD.



NOTE: ALL BRIDGE COMPONENTS SHALL MEET APPLICABLE AASHTO AND GDOT STANDARDS, SPECIFICATION AND REQUIREMENTS.

BRIDGE OVER SPILLWAY TO BE PRECAST, PRE-STRESSED CONCRETE BOX BEAM, DESIGN LOAD AASHTO HL-93 MEETING GADOT BRIDGE REQUIREMENTS AS WELL AS FAYETTE COUNTY REQUIREMENTS. SHOP DWGS. TO BE STAMPED BY GA PE. FOR REVIEW BY THE PROJECT ENGRS.

PARAPET WALLS SHALL BE CAST-IN-PLACE, WITH DETAILS PROVIDED BY THE MANUFACTURER/SUPPLIER. HANDRAILS SHALL BE PLACED ON PARAPET WALLS, BOTH SIDES.

**PRIMARY PERMITTEE**  
**OWNER:**  
FAYETTE COUNTY  
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FAYETTEVILLE, GEORGIA 30214  
CONTACT: MR. PHIL MALLON  
PHONE: (770) 320-6010



**24 HR. CONTACT PERSON**  
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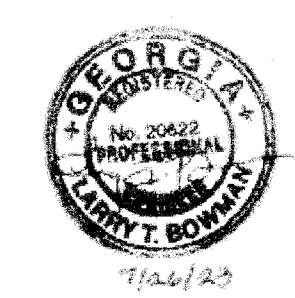
RELEASED FOR CONSTRUCTION  
BY: MARTIN L. WALDEN, P.E. DATE: 9-15-21

THE SITE IS LOCATED ON LONGVIEW ROAD IN LAND LOT 198 OF FAYETTE COUNTY, FAYETTEVILLE, GEORGIA.

**PHILLIPS LAKE  
STRUCTURAL  
PLAN AND PROFILE  
FAYETTE COUNTY**

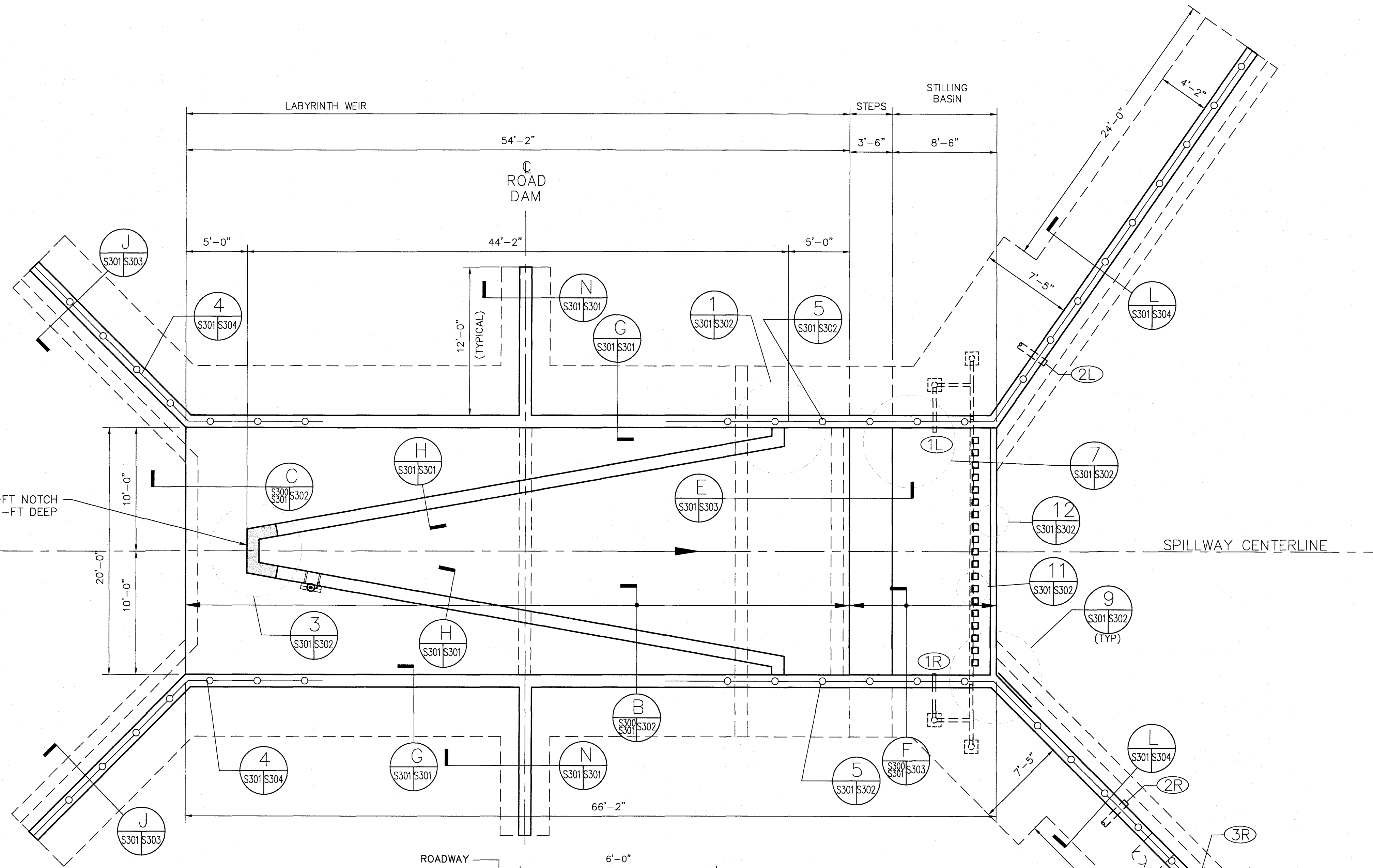
**WALDEN, ASHWORTH & ASSOCIATES, INC.**  
CONSULTING ENGINEERS  
P.O. BOX  
MARIETTA, GEORGIA 30065  
(770) 956-7897  
COA: PEF000707 EXP: 06/30/2020

SCALE: AS SHOWN	DATE
DESIGN BY: JCL/JMH/JR	12/20
DRAWN BY: JCL/JMH/JR	12/20
CHECKED BY: MLW/JR	12/20
COA: PEF00707	EXP: 06/30/2024
JASON RAPPLEAN, VP, PE, EOR LEVEL 2 CERTIFICATION # 3031 EXPIRATION DATE: 12/07/23	



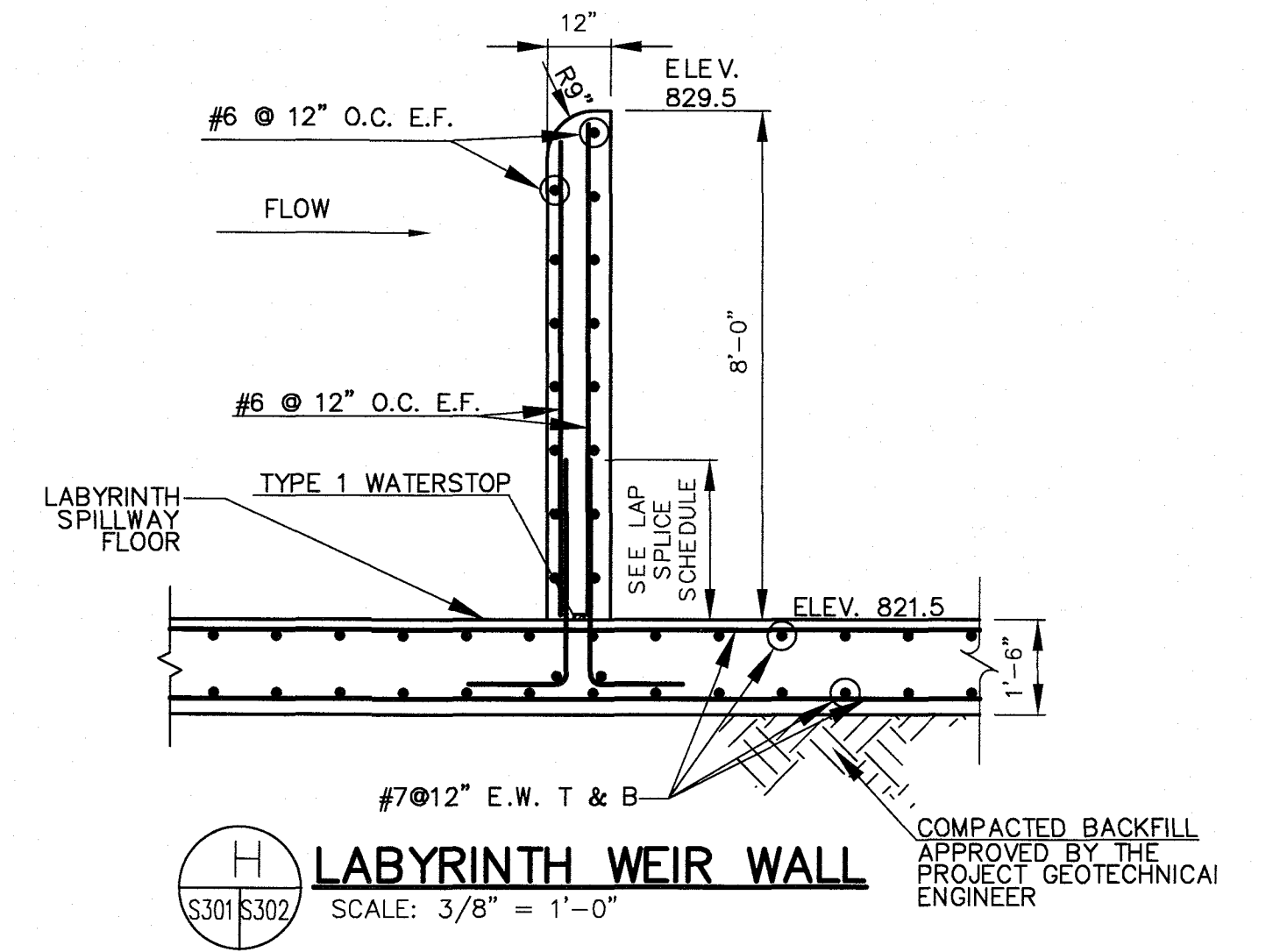
APPROVED 07/13/2023 FAYETTE COUNTY ENVIRONMENTAL MANAGEMENT				
NO.	REVISIONS	MADE	CKD.	DATE
1	REV. LEVEL 2 PROFESSIONAL AND EOR, UPDATE NOTES	JH	JR	6/25/23



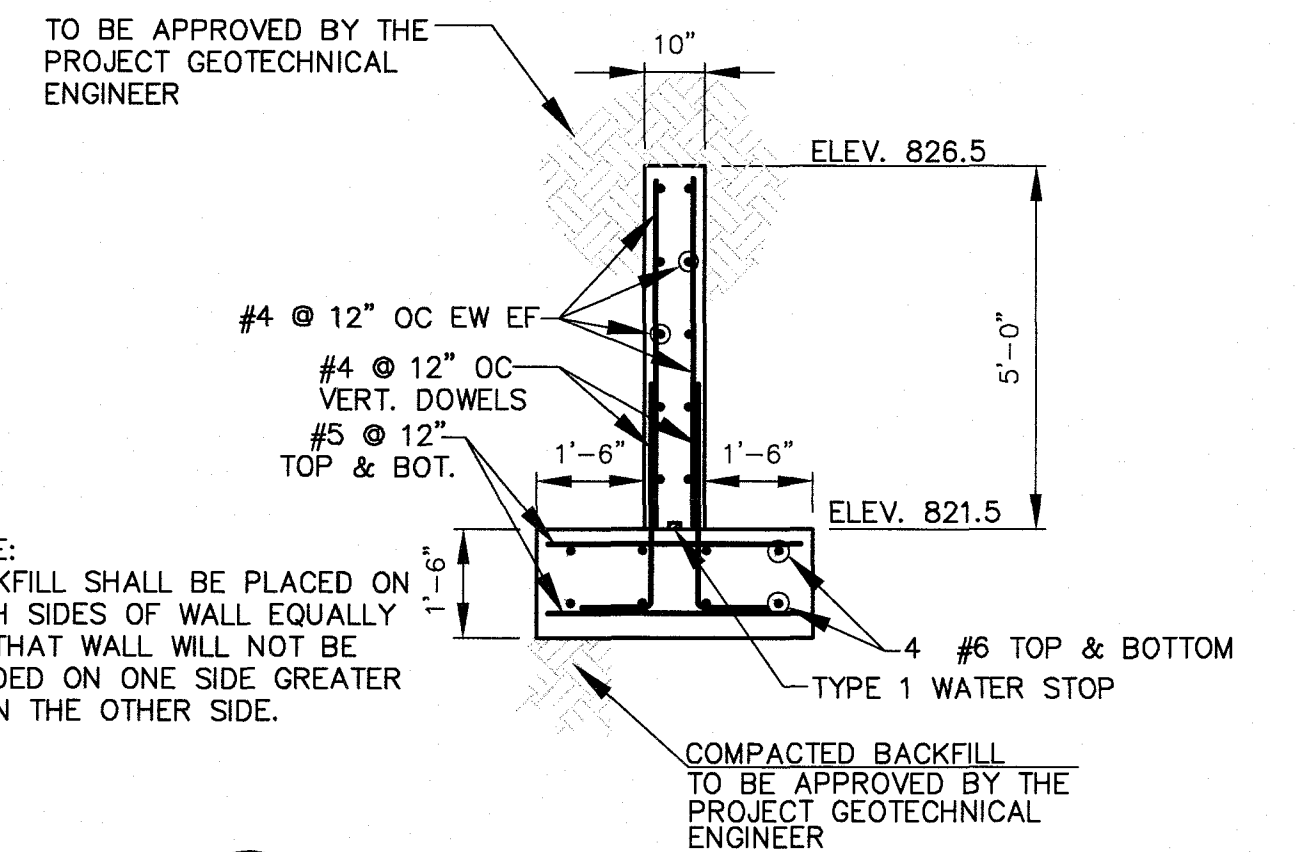


**SPILLWAY PLAN**

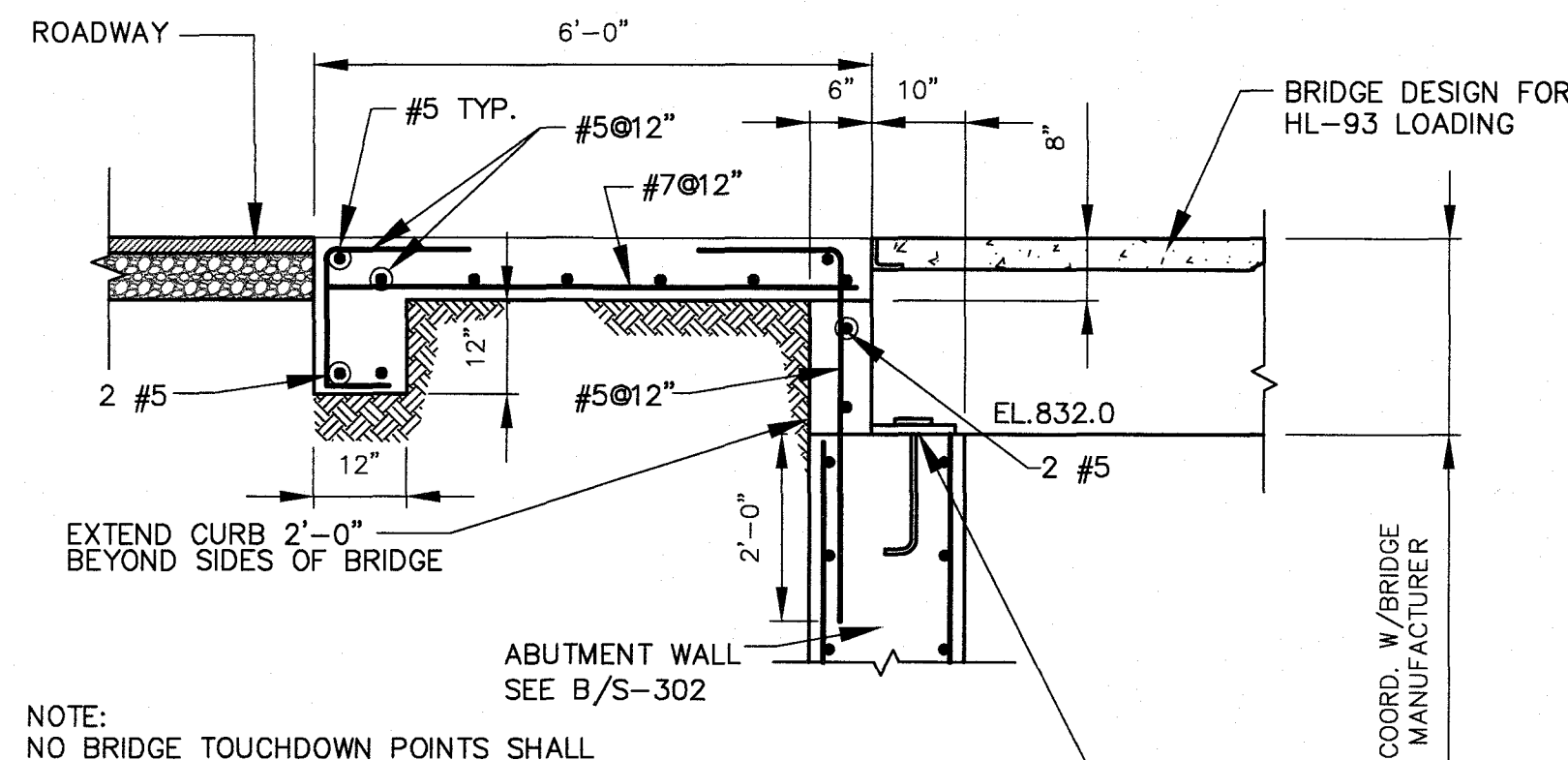
SCALE: 3/16" = 1'-0"



NOTE - DOWEL HORIZ. BARS INTO ABUTMENT WALL WITH 2'-0" LAP. INSTALL TYPE 1 WATER STOP AT CENTER OF WALL ALONG ENTIRE JOINT WITH ABUTMENT WALL.



NOTE: BACKFILL SHALL BE PLACED ON BOTH SIDES OF WALL EQUALLY SO THAT WALL WILL NOT BE LOADED ON ONE SIDE GREATER THAN THE OTHER SIDE.



NOTE: NO BRIDGE TOUCHDOWN POINTS SHALL BE WITHIN THE SPILLWAY. NO PART OF BRIDGE SHALL BE BELOW ELEVATION 832.0.

**BRIDGE BEARING**

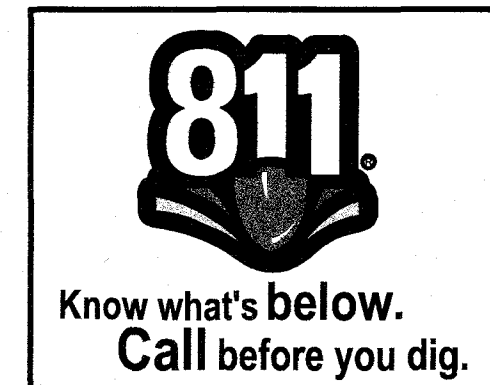
(TYP. BOTH SIDES)  
SCALE: 1/2" = 1'-0"

APPROVED  
STATE OF GEORGIA  
DEPT OF NATURAL RESOURCES

AUG 17 2023  
Curt Shelton  
Environmental Protection Division  
Safe Dams Program

THE SITE IS LOCATED ON LONGVIEW ROAD IN LAND LOT 198 OF FAYETTE COUNTY, FAYETTEVILLE, GEORGIA.

**PHILLIPS LAKE  
STRUCTURAL  
PLAN AND SECTIONS  
FAYETTE COUNTY**



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CONSULTING ENGINEERS  
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MARIETTA, GEORGIA 30065  
(770) 956 - 7897  
COA: PEF000707 EXP: 06/30/2020

JOB NO. 3804600  
DRAWING NUMBER **38046-S-301**  
REV. NO. **1**

APPROVED 07/13/2023 FAYETTE COUNTY ENVIRONMENTAL MANAGEMENT							
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NO.	REVISIONS	MADE	CKD.	DATE	NO.	REVISIONS	MADE

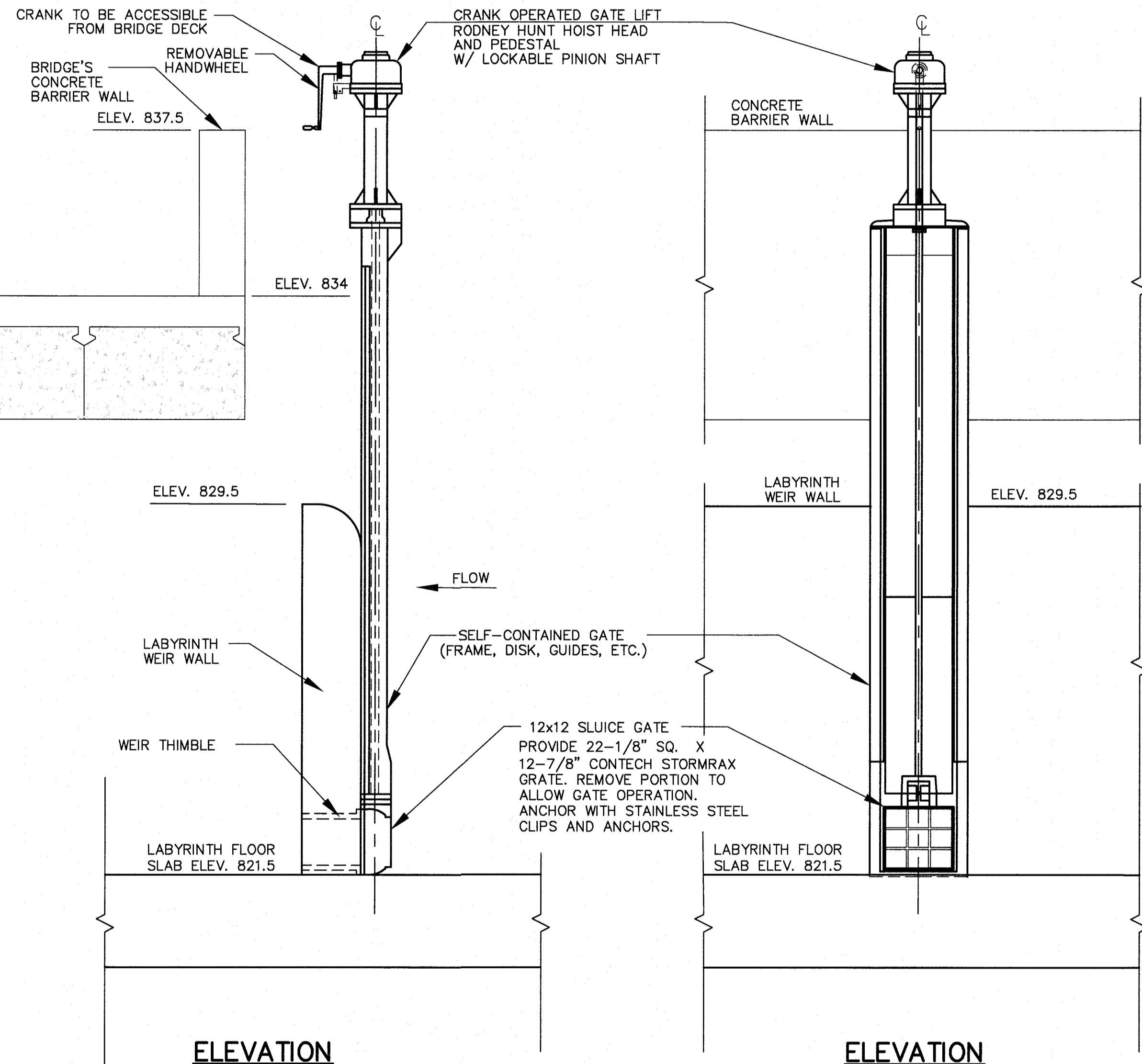
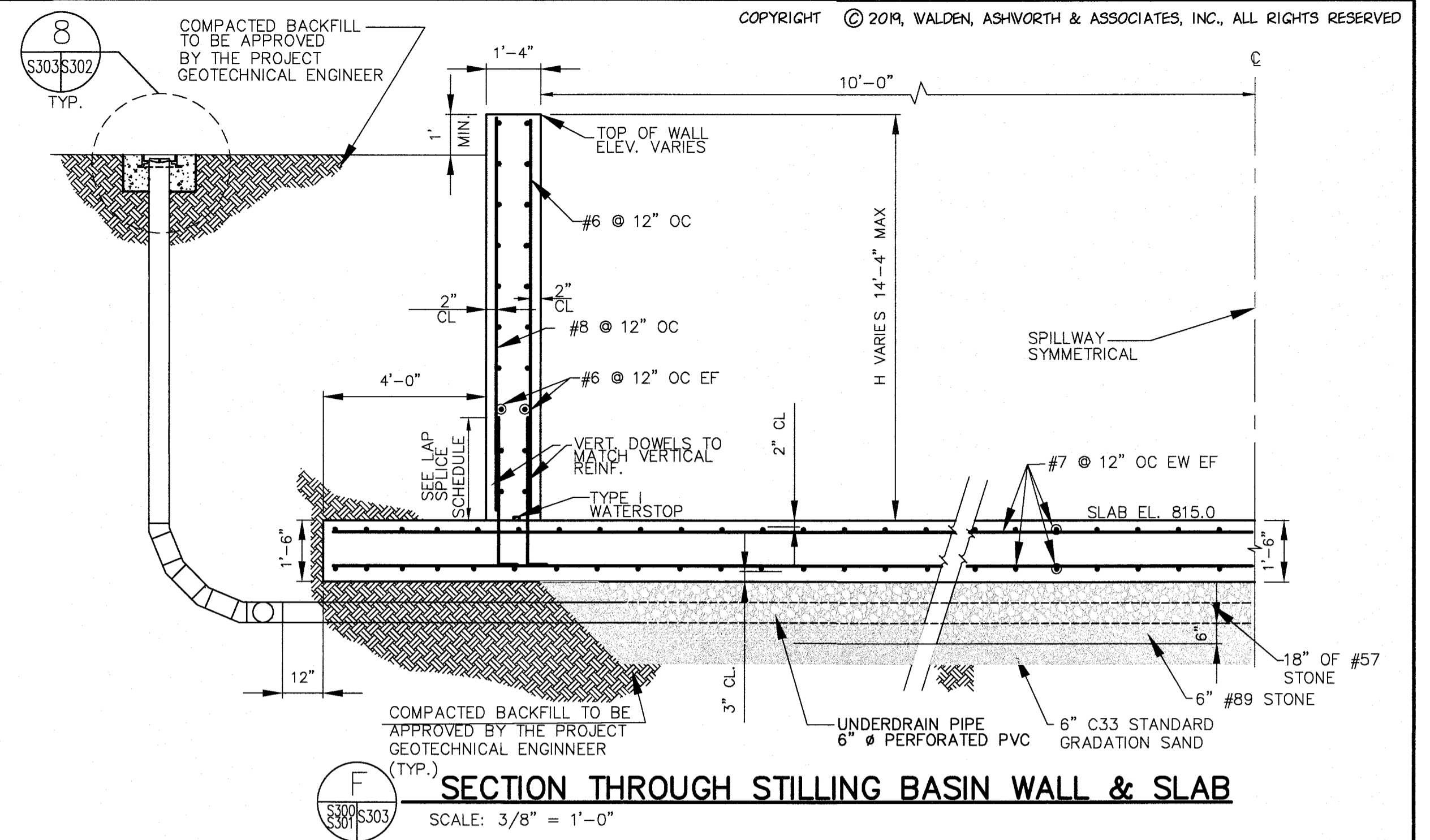
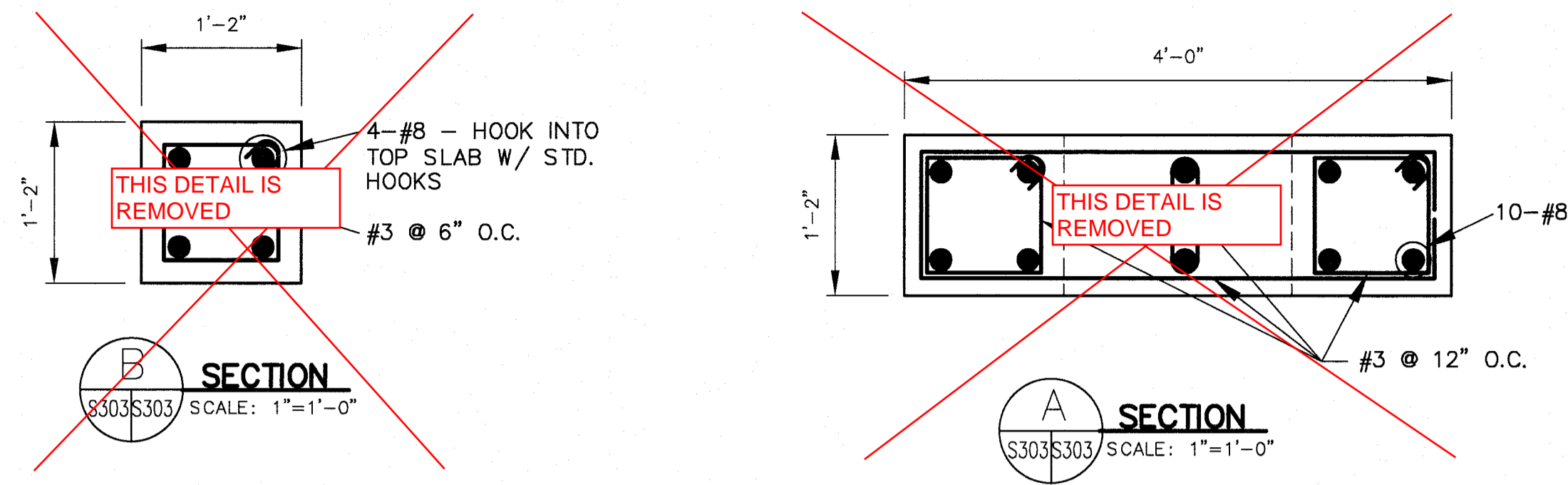


SCALE: AS SHOWN	DATE
DESIGN BY: JCL/JMH/JR	12/20
DRAWN BY: JCL/JMH/JR	12/20
CHECKED BY: MLW/JR	12/20
COA: PEF00707	EXP: 06/30/2024
JASON RAPPLEAN, VP, PE, EOR LEVEL 2 CERTIFICATION # 3031 EXPIRATION DATE: 12/07/23	

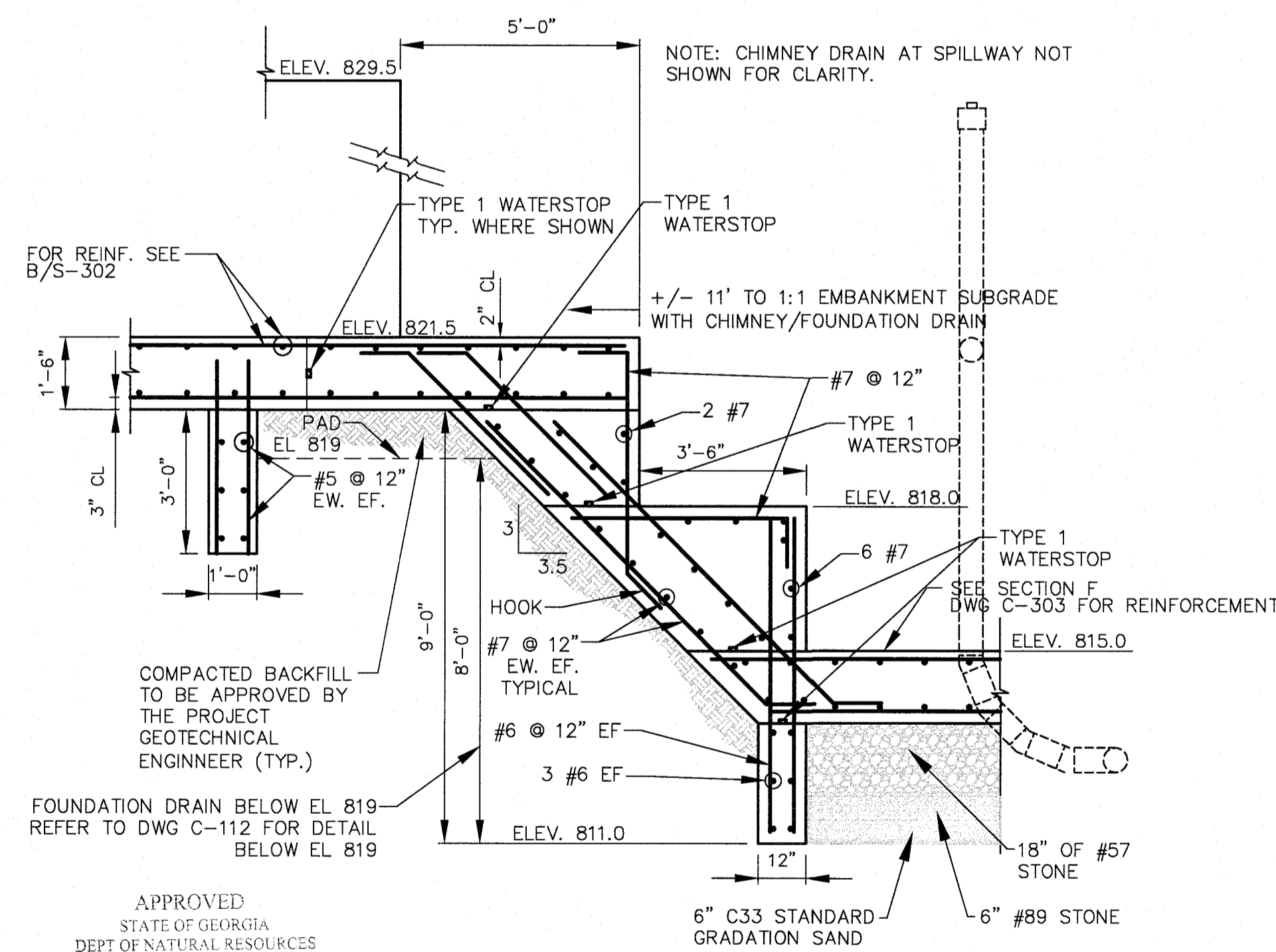




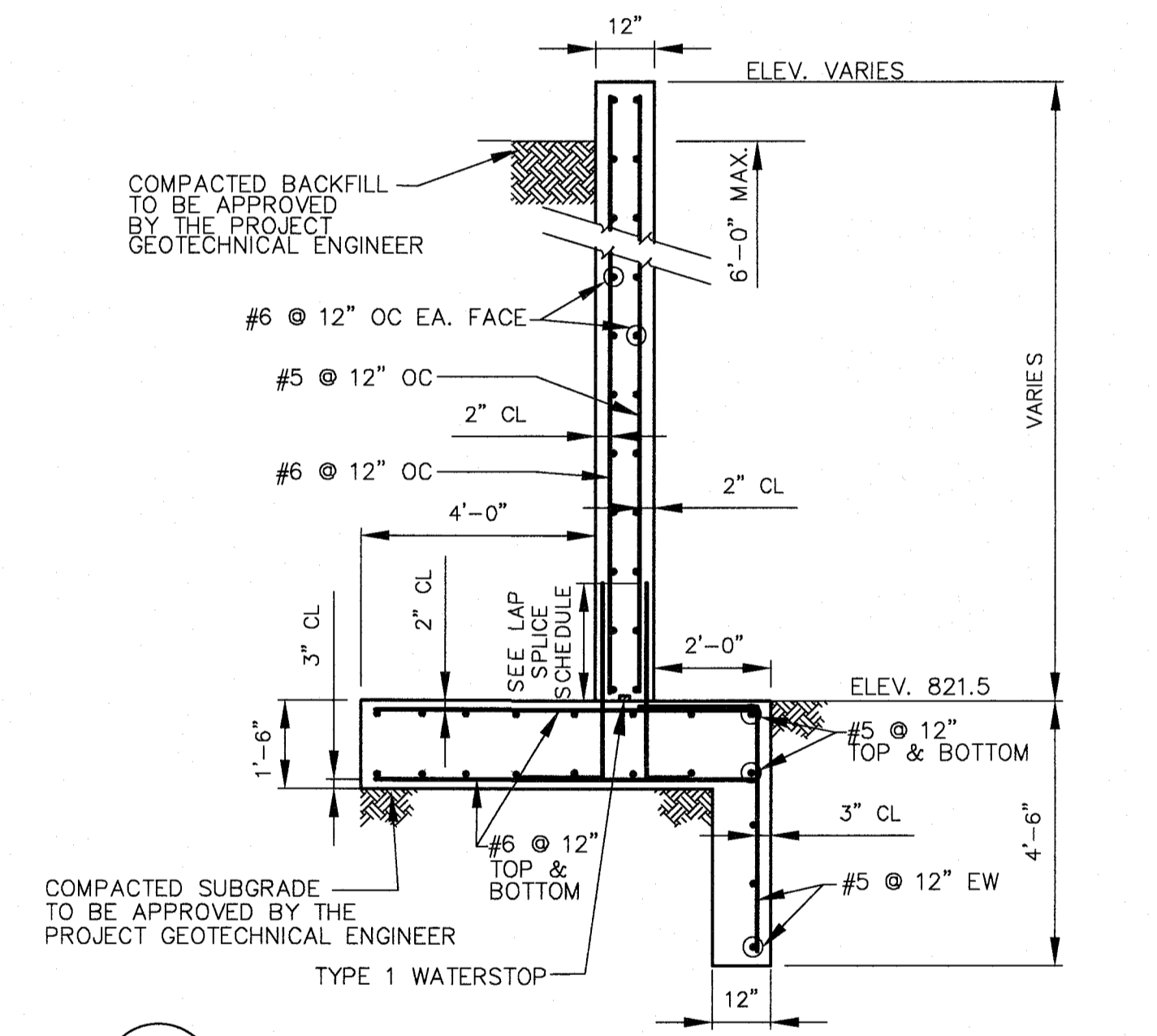




**DRAWDOWN GATE ACCESS DETAIL**  
SCALE: 1/2"=1'-0"



**SECTION AT TRANSITION**  
SCALE: 3/8"=1'-0"



**SECTION THRU UPSTREAM WING WALL**  
SCALE: 3/8"=1'-0"

APPROVED  
STATE OF GEORGIA  
DEPT OF NATURAL RESOURCES  
AUG 17 2023  
*Walden Ashworth*  
Environmental Protection Division  
Safe Dams Program

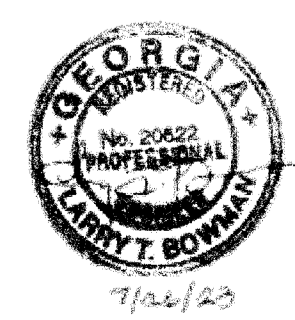


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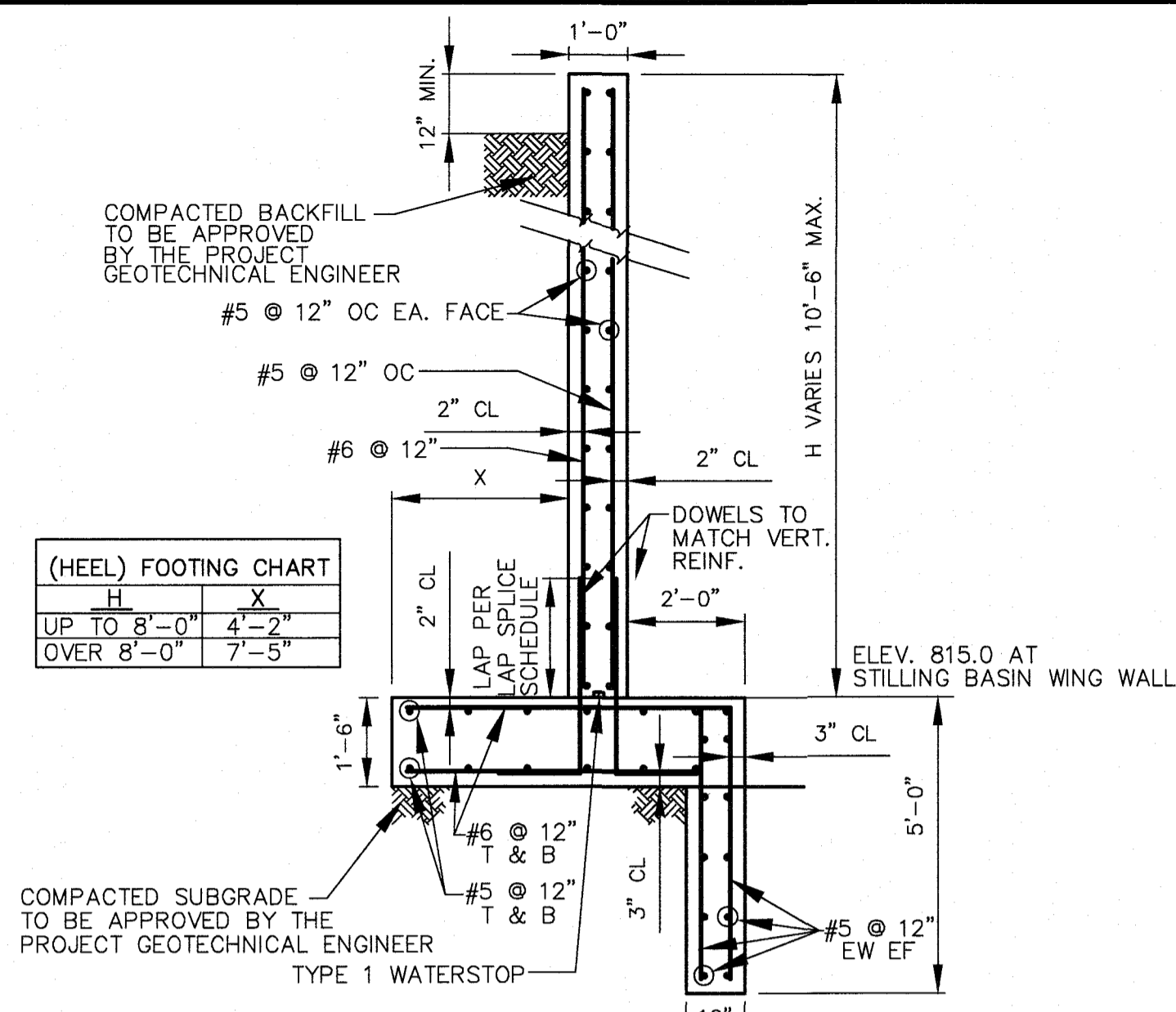
THE SITE IS LOCATED ON LONGVIEW ROAD IN LAND LOT 198 OF FAYETTE COUNTY, FAYETTEVILLE, GEORGIA.

**PHILLIPS LAKE  
STRUCTURAL  
SECTIONS AND DETAILS  
FAYETTE COUNTY**

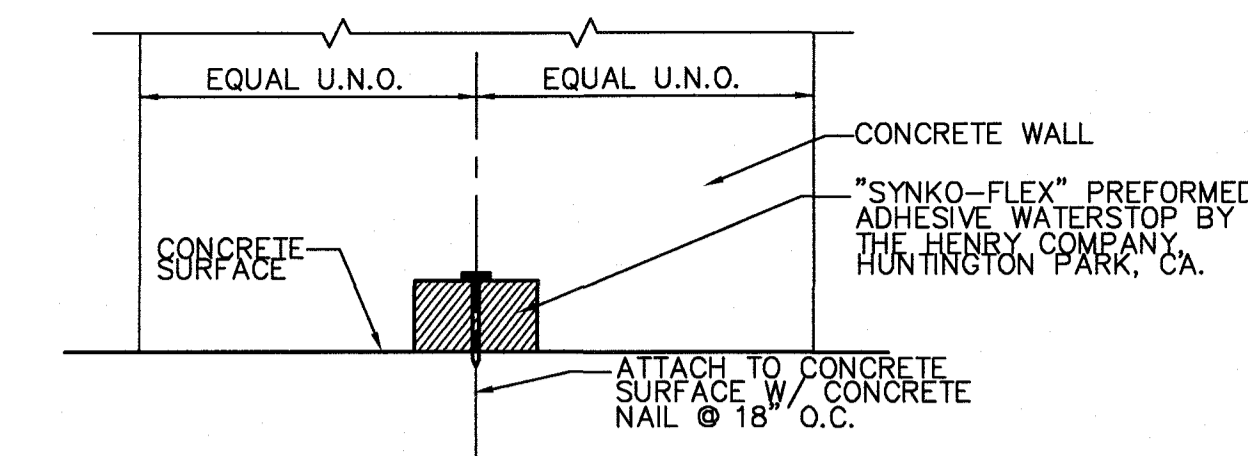
**WALDEN, ASHWORTH & ASSOCIATES, INC.**  
CONSULTING ENGINEERS  
P.O. BOX  
MARETTA, GEORGIA 30065  
(770) 956-7897  
COA: PEF00707 EXP: 06/30/2020

JOB NO. 3804600  
DRAWINGS NUMBER **38046-S-303**  
REV. NO. 1

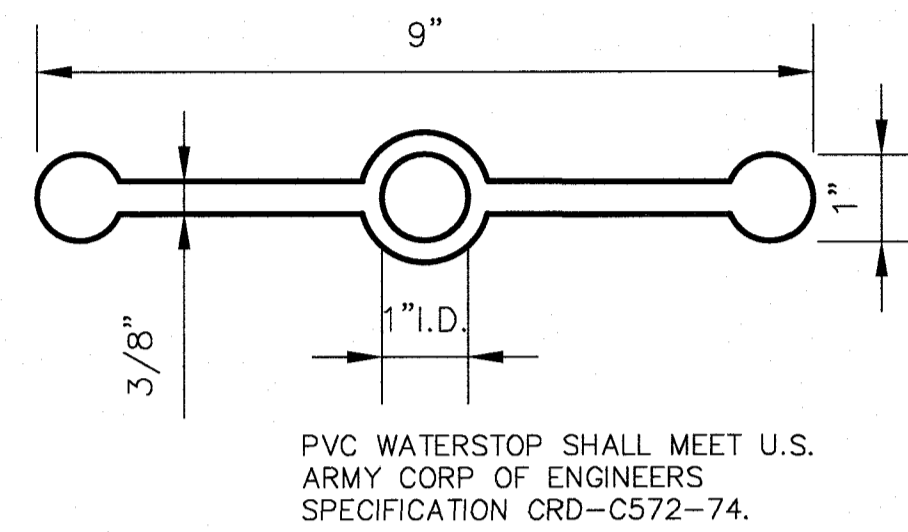




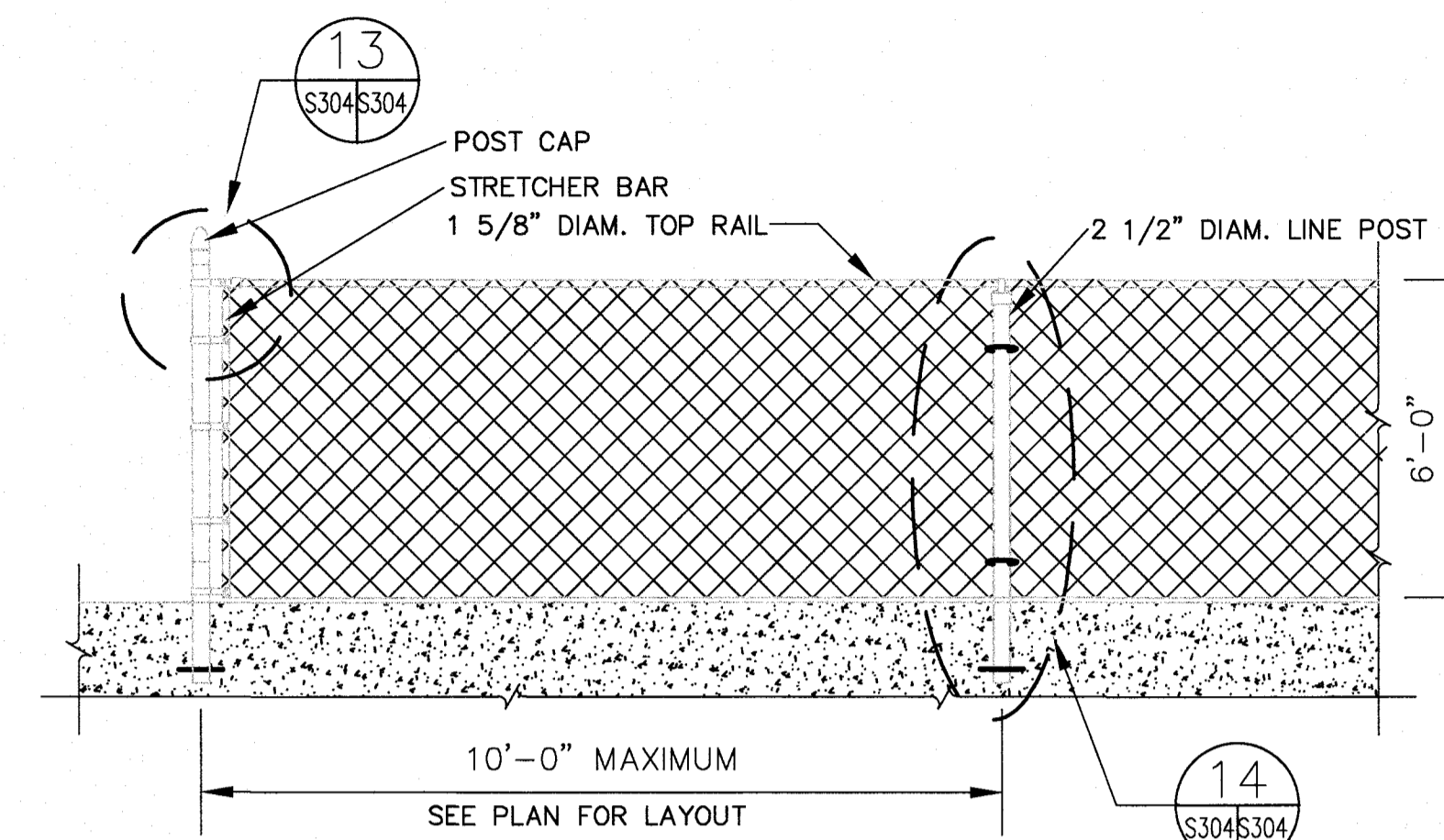
**SECTION THRU DOWNSTREAM WING WALL**  
SCALE: 3/8" = 1'-0"



**TYPE 1 WATERSTOP DETAIL**  
N.T.S. (FOR USE AT CONSTRUCTION JOINTS)

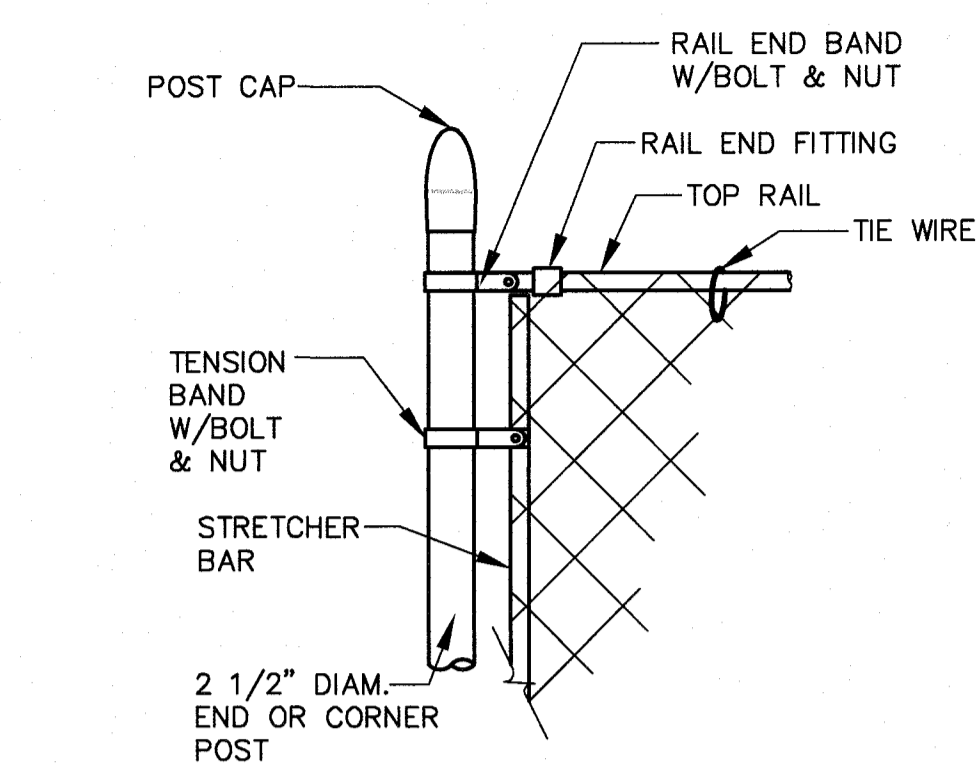


**TYPE 2 WATERSTOP**  
N.T.S. (FOR USE AT MOVEMENT JOINTS)

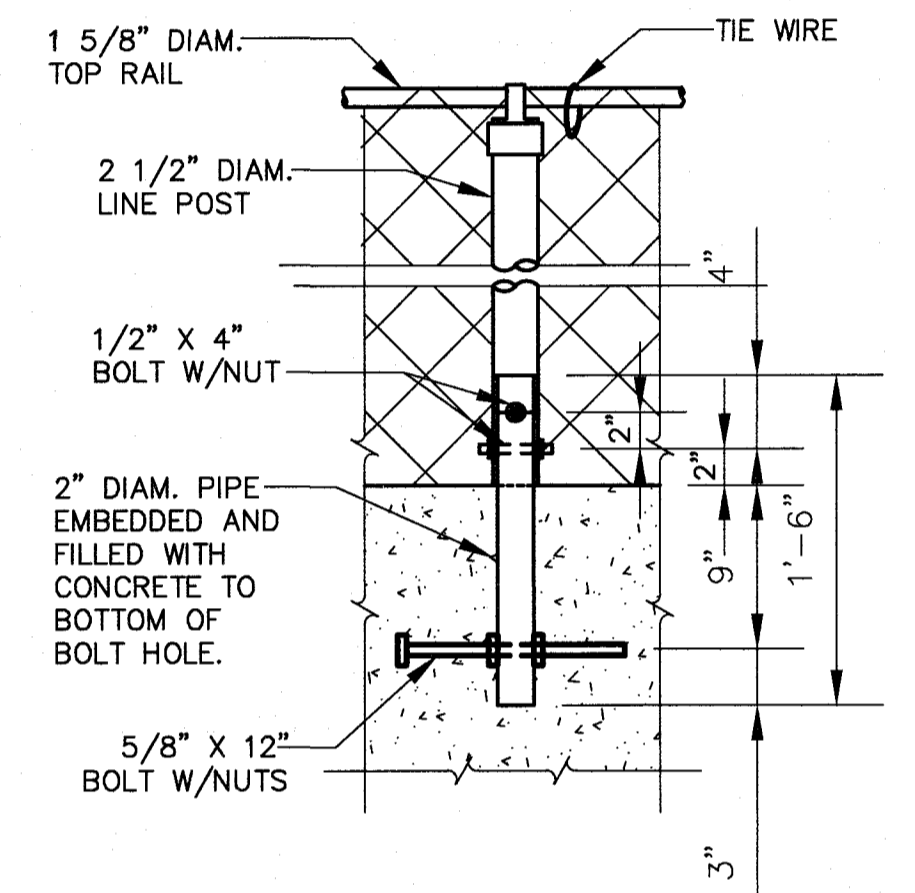


**CHAIN LINK FENCE DETAIL**  
NOT TO SCALE

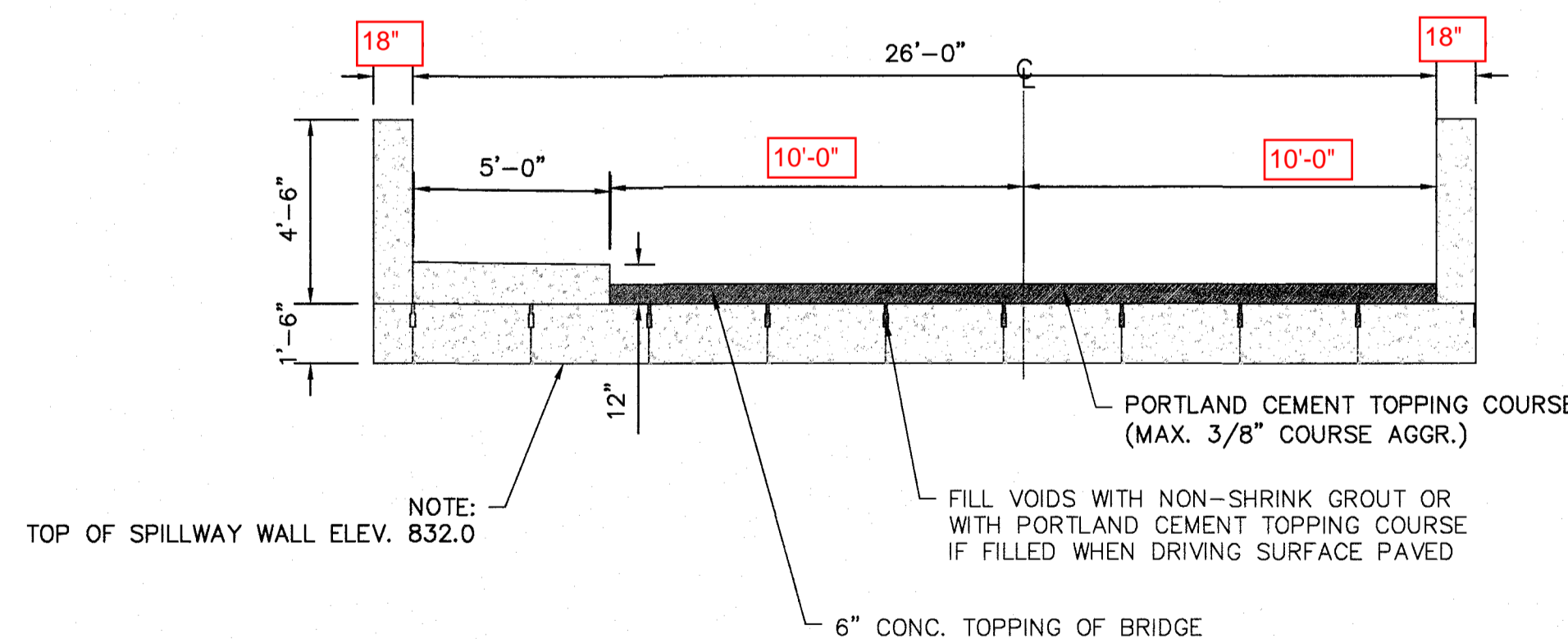
LOCATION	BAR SIZE									
	#3	#4	#5	#6	#7	#8	#9	#10	#11	
HORIZONTAL BARS	18"	24"	30"	36"	42"	48"	60"	74"	88"	
VERTICAL BARS	16"	18"	23"	28"	32"	37"	46"	57"	68"	



**DETAIL**



**LINE POST DETAIL**



**BRIDGE SECTION**  
SCALE: 1/4" = 1'-0"

**BRIDGE NOTES:**

1. THE BRIDGE MANUFACTURER/SUPPLIER SHALL BE ON THE APPLICABLE GDOT QUALIFIED PRODUCTS LIST No.9.
2. THE BRIDGE SUPERSTRUCTURE SHALL BE PRECAST, PRESTRESSED CONCRETE BOX BEAM.
3. THE DESIGN LOAD FOR THE BRIDGE IS AASHTO HL-93.
4. THE BRIDGE PARAPET WALLS SHALL BE CAST-IN-PLACE, WITH DETAILS PROVIDED BY THE MANUFACTURER/SUPPLIER. AS A BID ALTERNATE, THE PARAPET WALLS SHALL HAVE AN ASHLAR COLOR/FINISH. THE FINISH/COLOR SHALL BE APPROVED BY FAYETTE COUNTY AS A PART OF THE SUBMITTAL/SHOP DRAWING REVIEW PROCESS.
5. ALL UNDERGROUND UTILITIES, EXCEPT WATER AND GAS, SHALL BE SUSPENDED AND/OR ATTACHED TO THE BRIDGE WITH DETAILS AND STRUCTURAL ANALYSIS PROVIDED BY MANUFACTURER/SUPPLIER/CONTRACTOR.
6. ALL BRIDGE COMPONENTS SHALL MEET APPLICABLE AASHTO AND GDOT SPECIFICATIONS.
7. ALL SUBMITTALS AND SHOP DRAWINGS ARE SUBJECT TO REVIEW AND APPROVAL BY GEORGIA DNR AND THE PROJECT ENGINEER.
8. A POLISHED ALUMINUM (GDOT STD. 3626) SINGLE PIPE HANDRAIL SHALL BE ATTACHED TO THE PARAPET, BRACKETS SPACED AT NO MORE THAN 6'-0" O.C., THE ENTIRE LENGTH OF THE BRIDGE.
9. THE SIDEWALK AND PARAPET WALL DESIGN AND ATTACHMENT TO THE PRESTRESSED CONCRETE HOLLOW CORE SLABS SHALL BE PROVIDED THE MANUFACTURER/SUPPLIER.
10. A BACKER ROD (SLIGHTLY OVERSIZED TO RESIST MOVEMENT DURING SEALING) WITH SELF LEVELING SILICONE SEALANT SHALL BE USED AT THE JOINT BETWEEN THE BRIDGE AND APPROACH SLAB, REFER TO GA DOT STD. 5046H FOR "DETAIL B CONTRACTION OR CONSTRUCTION JOINT" AND FOR "GENERAL NOTES".

APPROVED  
STATE OF GEORGIA  
DEPT OF NATURAL RESOURCES

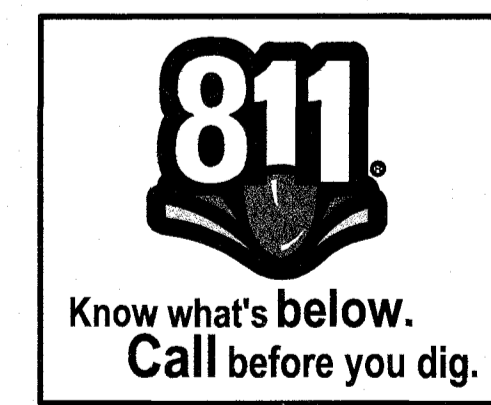
AUG 17 2023  
*Julie Shelle*  
Environmental Protection Division  
Safe Dams Program

**PRIMARY PERMITTEE OWNER:**

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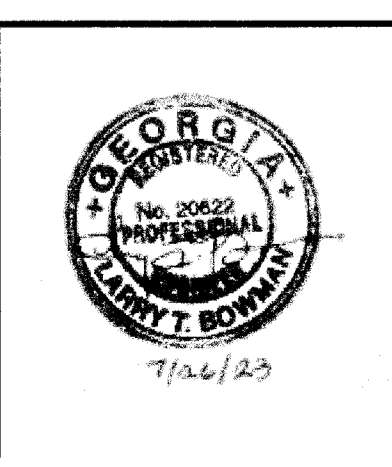
**24 HR. CONTACT PERSON**

PHIL MALLON  
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BY: MARTIN L. WALDEN, P.E. DATE: 9-15-21

NO.	REVISIONS	MADE	CHKD.	DATE	NO.	REVISIONS	MADE	CHKD.	DATE
1	REV. LEVEL 2 PROFESSIONAL AND EOR, UPDATE NOTES	JH	JR	6/25/23					



SCALE: AS SHOWN	DATE: 12/20
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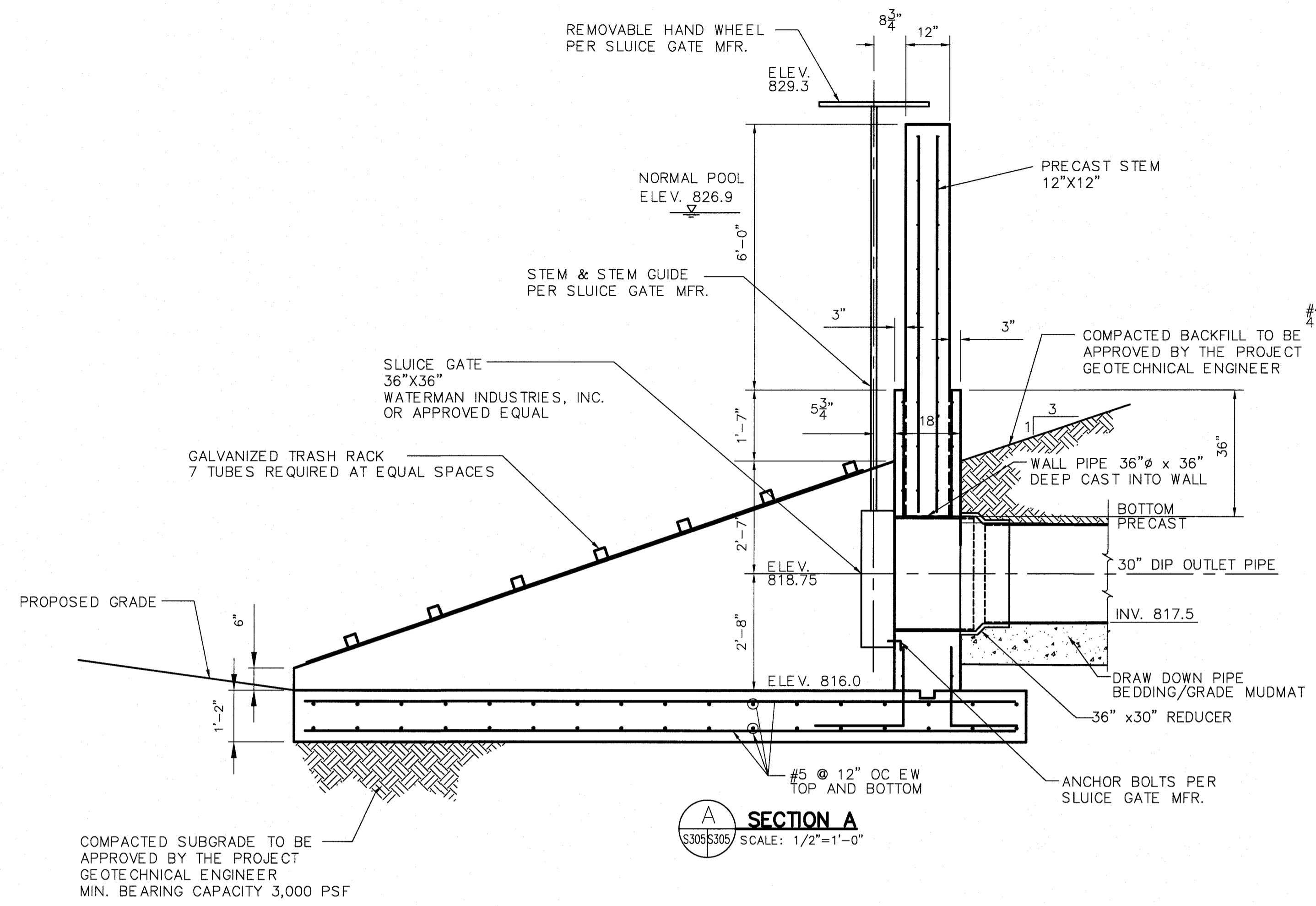
THE SITE IS LOCATED ON LONGVIEW ROAD IN LAND LOT 198 OF FAYETTE COUNTY, FAYETTEVILLE, GEORGIA.

**PHILLIPS LAKE STRUCTURAL**  
**MISCELLANEOUS SECTIONS AND DETAILS**  
**FAYETTE COUNTY**

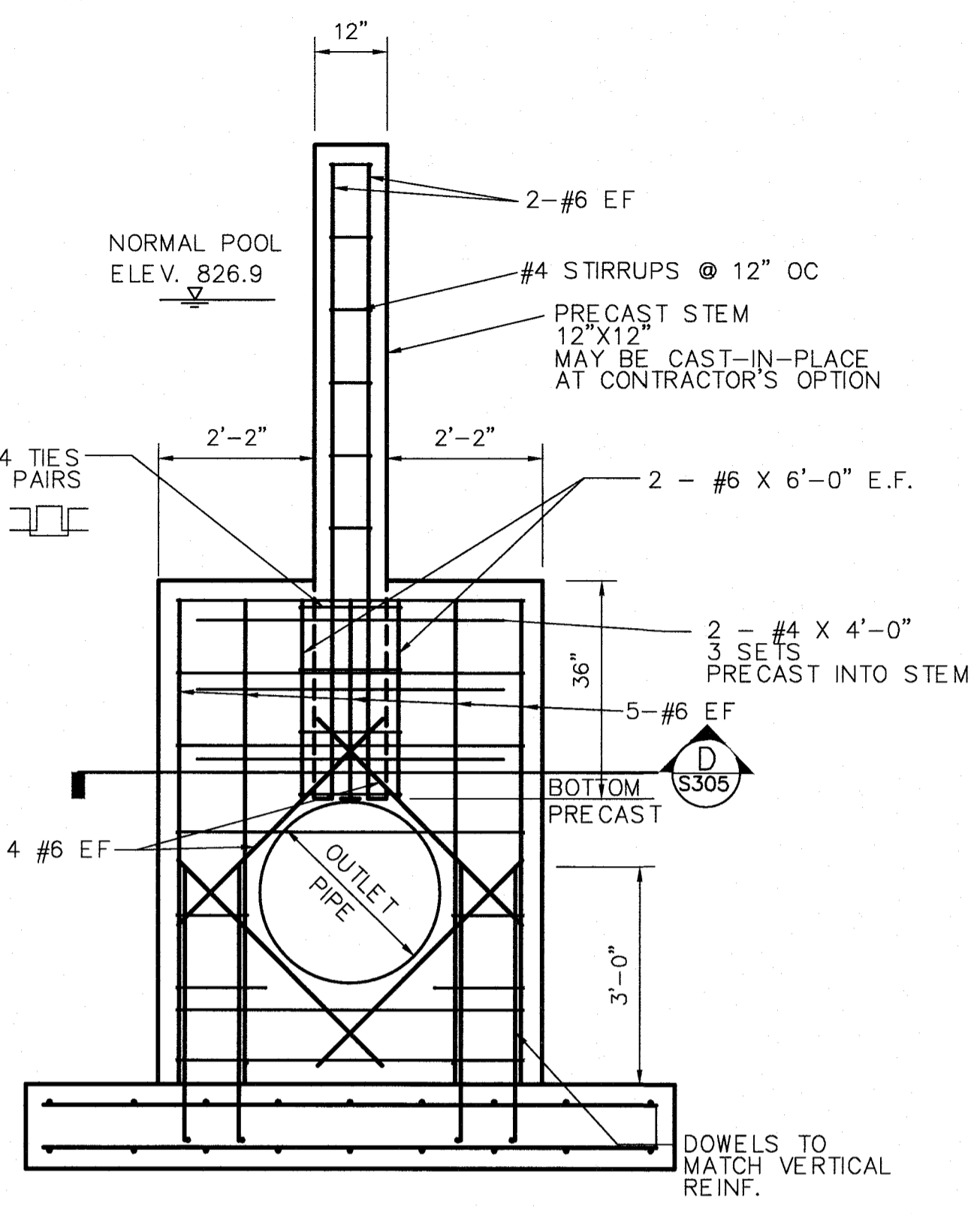
**WALDEN, ASHWORTH & ASSOCIATES, INC.**  
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MARIETTA, GEORGIA 30065  
(770) 956-7897  
COA: PEF000707 EXP: 06/30/2020

JOB NO. 3804600 DRAWING NUMBER **38046-S-304** REV. NO. 1

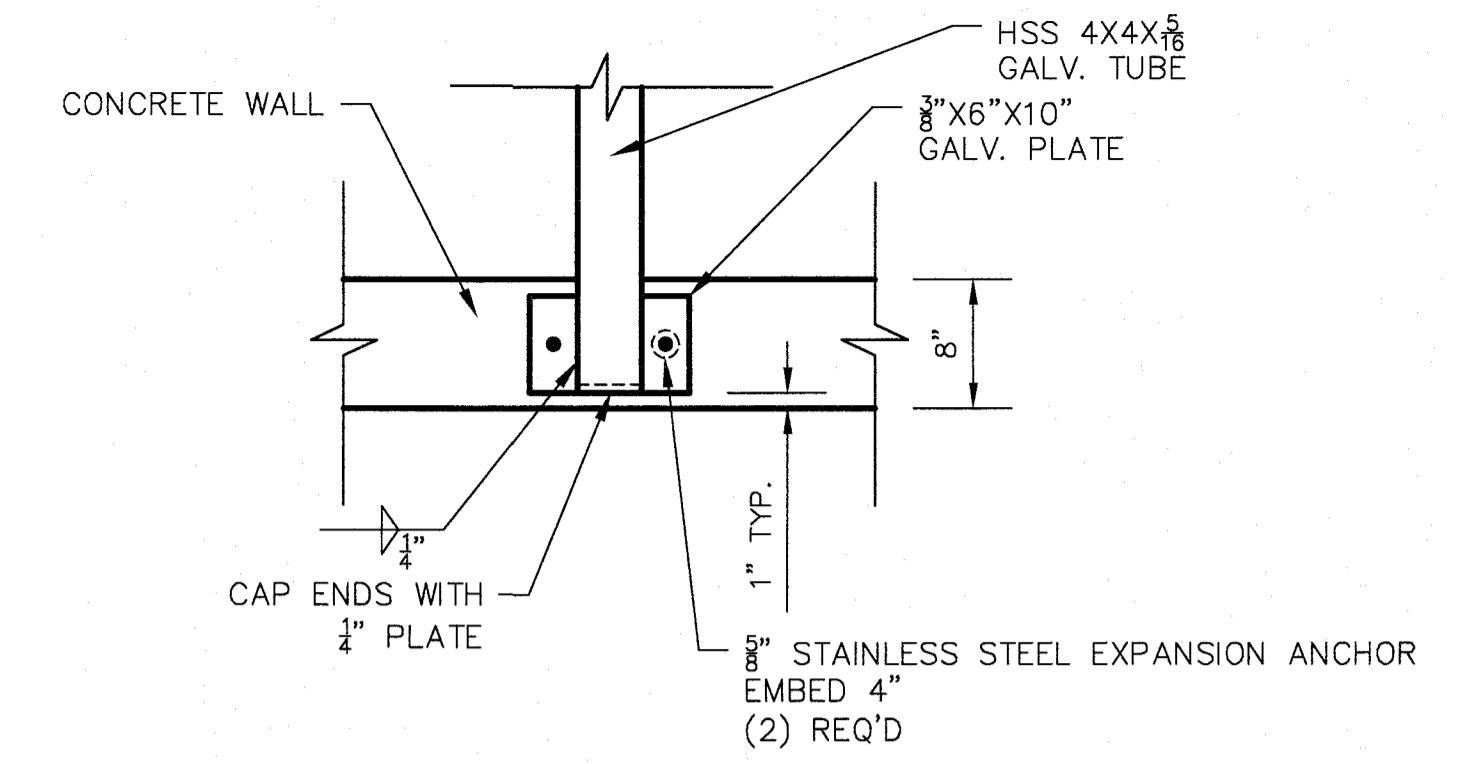




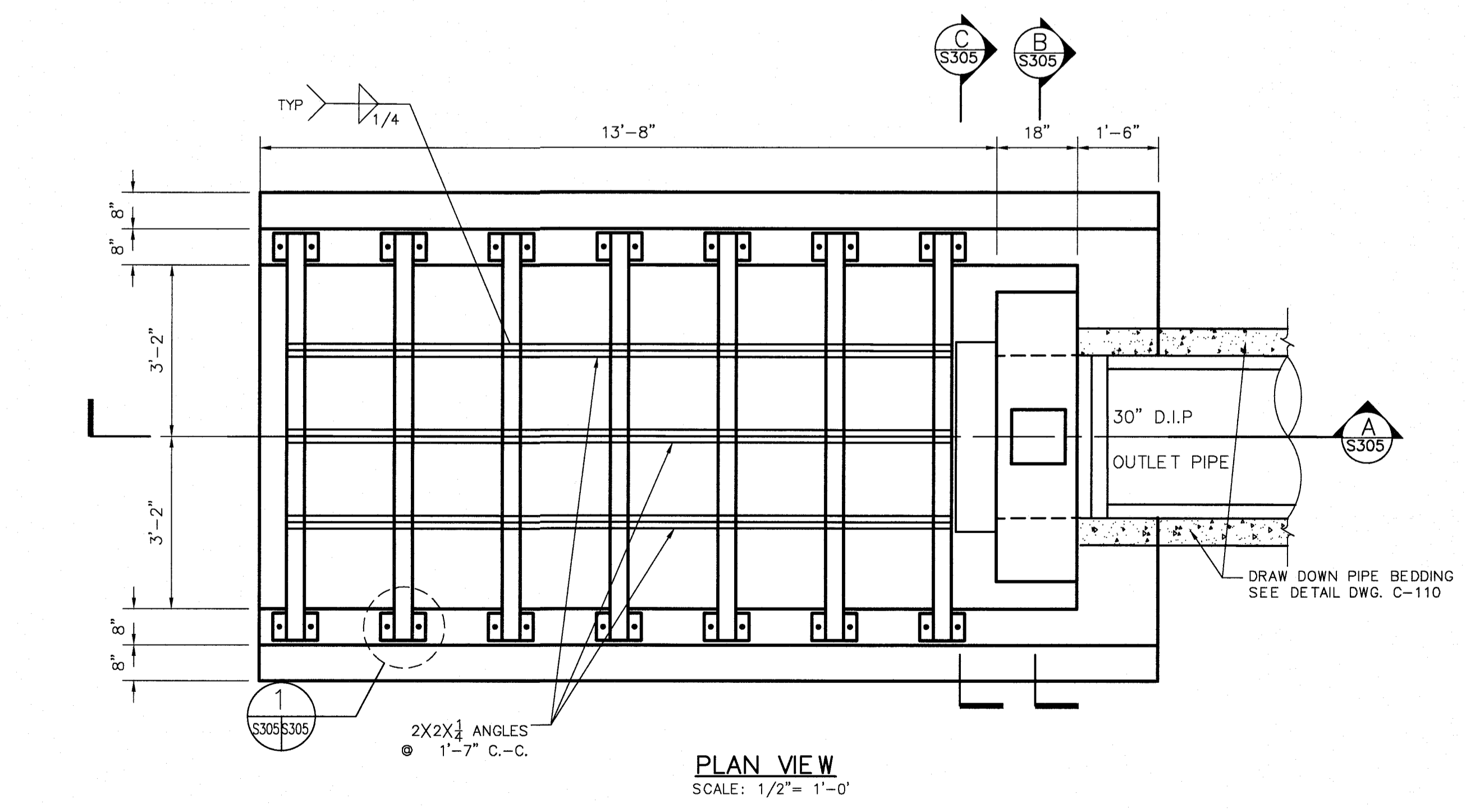
**SECTION A**  
SCALE: 1/2"=1'-0"



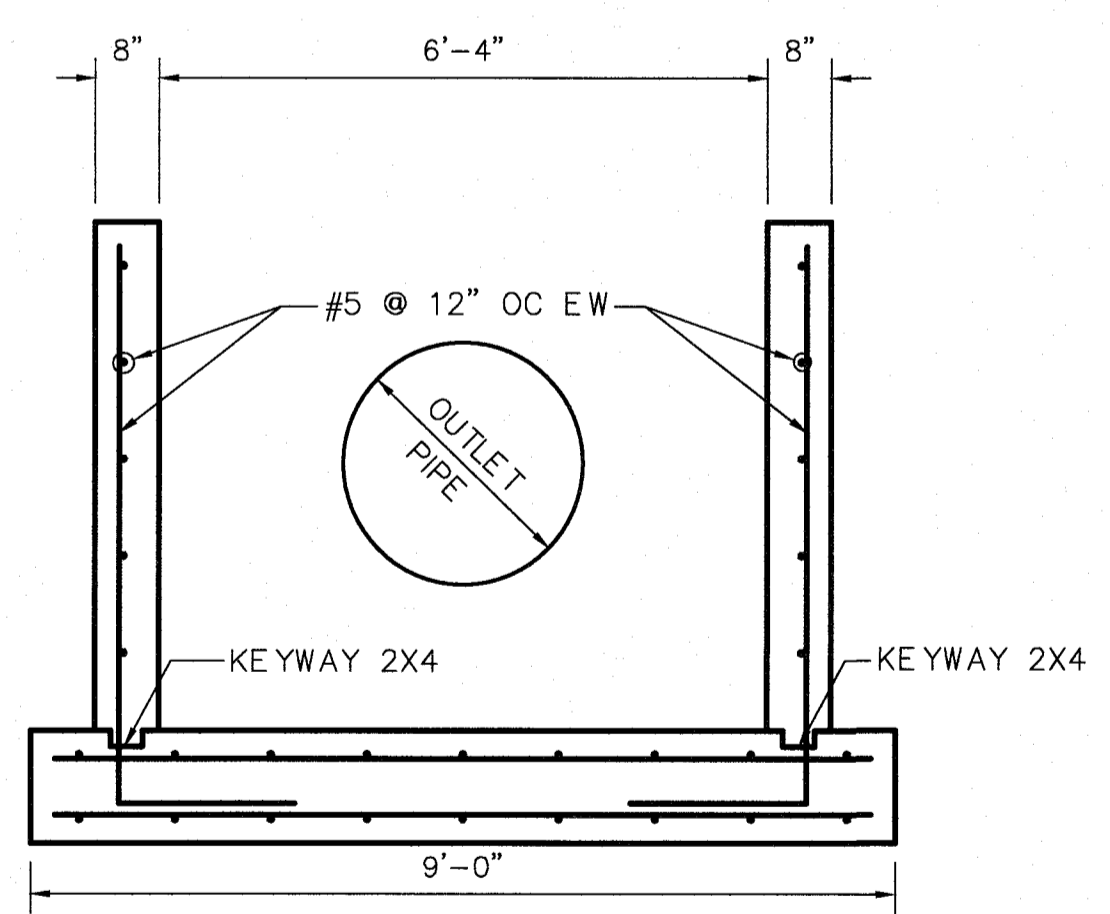
**SECTION B**  
SCALE: 1/2"=1'-0"



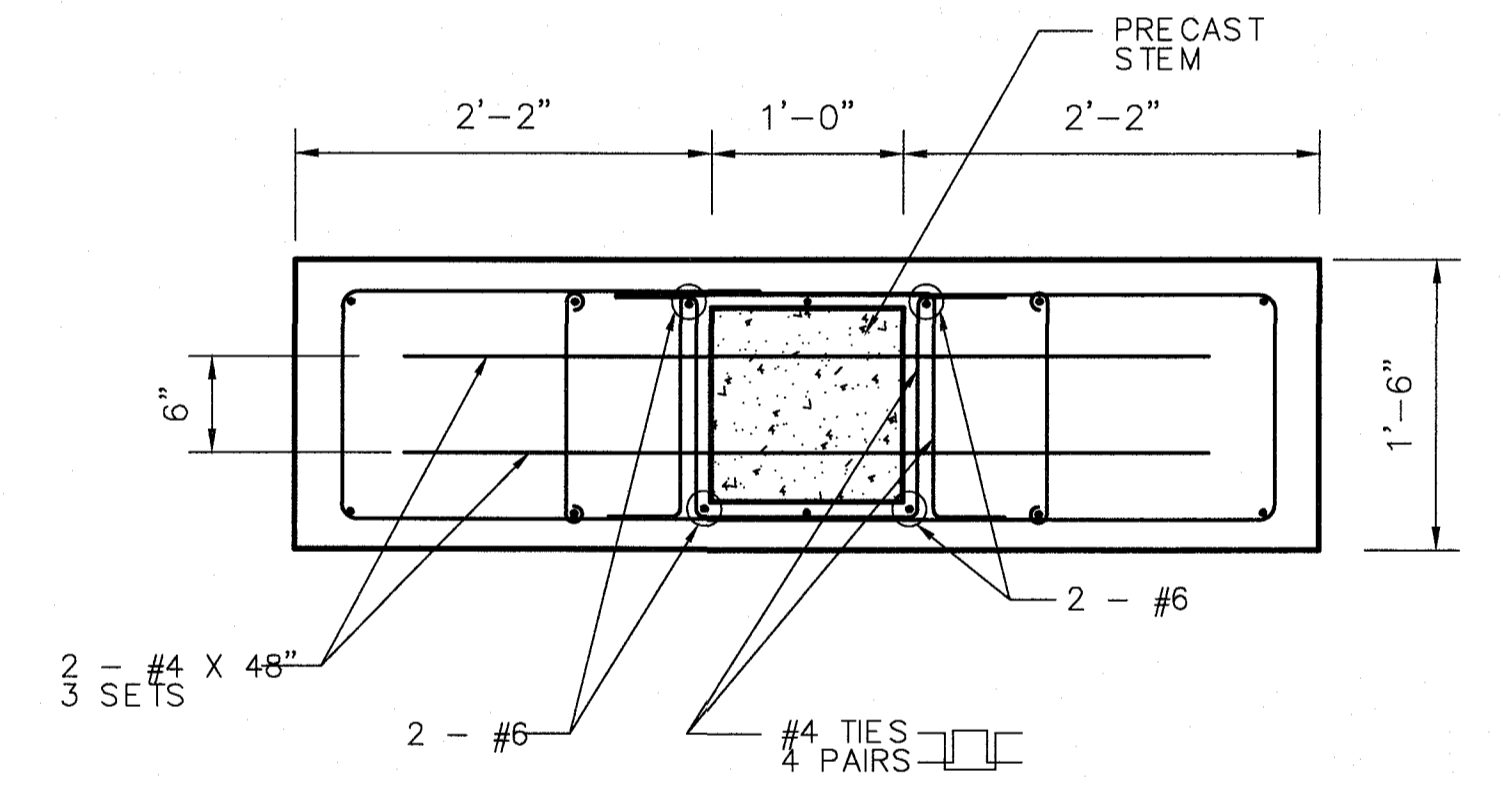
**TRASH RACK DETAIL**  
SCALE: 1"=1'-0"



**PLAN VIEW**  
SCALE: 1/2"=1'-0"



**SECTION C**  
SCALE: 1/2"=1'-0"



**SECTION D**  
SCALE: 1"=1'-0"

**811**  
Know what's below.  
Call before you dig.

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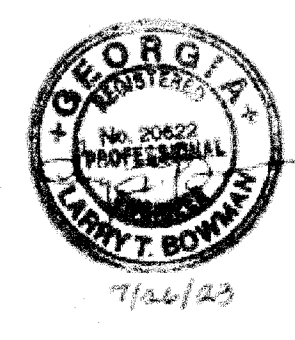
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APPROVED  
STATE OF GEORGIA  
DEPT OF NATURAL RESOURCES  
  
AUG 17 2023  
*Julia Shetter*  
Environmental Protection Division  
Safe Dams Program

THE SITE IS LOCATED ON LONGVIEW ROAD IN LAND LOT 198 OF FAYETTE COUNTY, FAYETTEVILLE, GEORGIA.

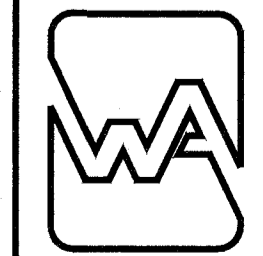
RELEASED FOR CONSTRUCTION  
BY: MARTIN L. WALDEN, P.E. DATE: 9-15-21

APPROVED 07/13/2023 FAYETTE COUNTY ENVIRONMENTAL MANAGEMENT																				
1	REV. LEVEL 2 PROFESSIONAL AND EOR, UPDATE NOTES	JH	JR	6/25/23																
NO.	REVISIONS	MADE	CHKD.	DATE	NO.	REVISIONS	MADE	CHKD.	DATE	NO.	REVISIONS	MADE	CHKD.	DATE	NO.	REVISIONS	MADE	CHKD.	DATE	



SCALE: AS SHOWN	DATE:
DESIGN BY: JCL/JMH/JR	12/20
DRAWN BY: JCL/JMH/JR	12/20
CHECKED BY: MLW/JR	12/20
COA: PEF00707	EXP: 06/30/2024
JASON RAPPLEAN, VP, PE, EOR LEVEL 2 CERTIFICATION # 3031 EXPIRATION DATE: 12/07/23	

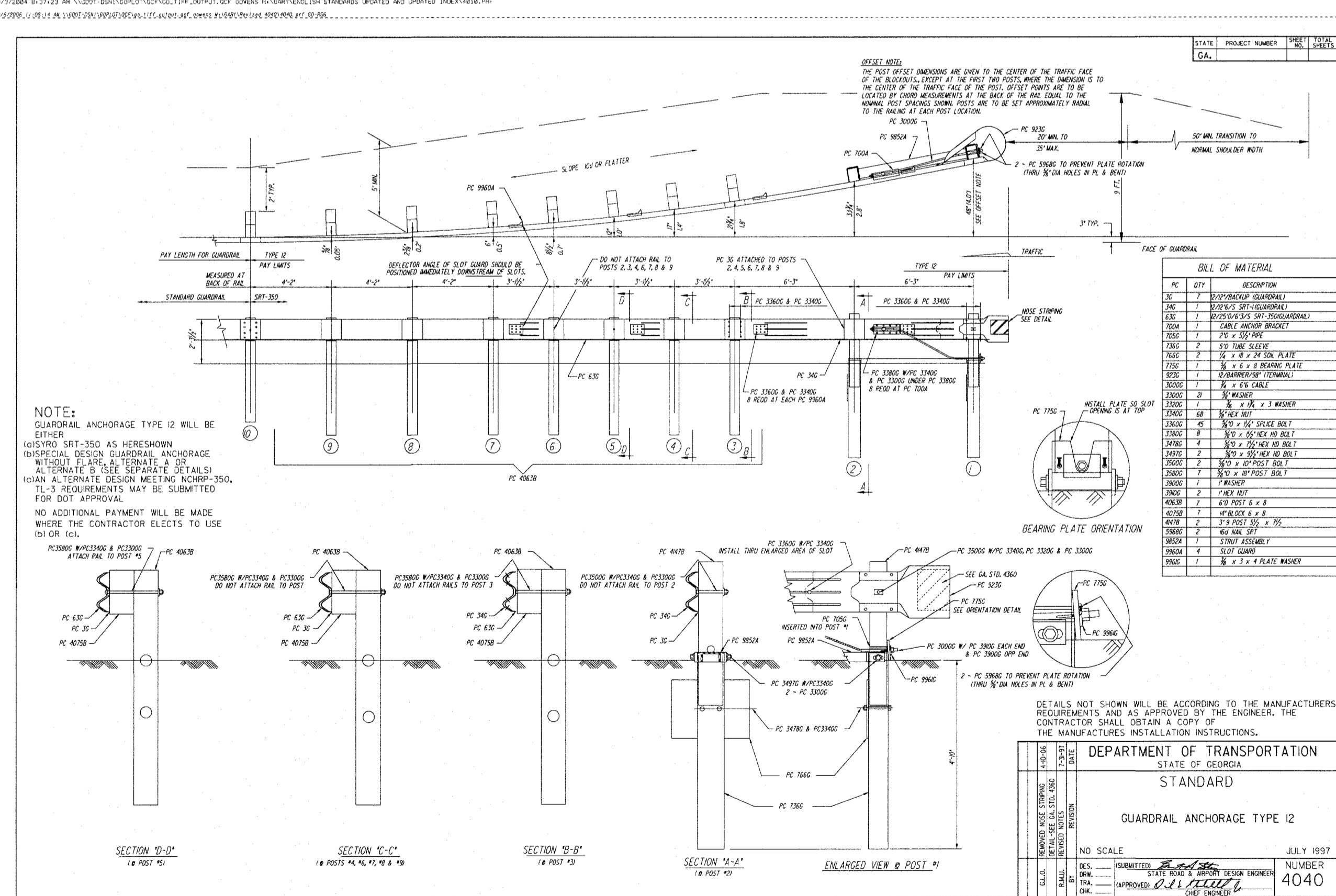
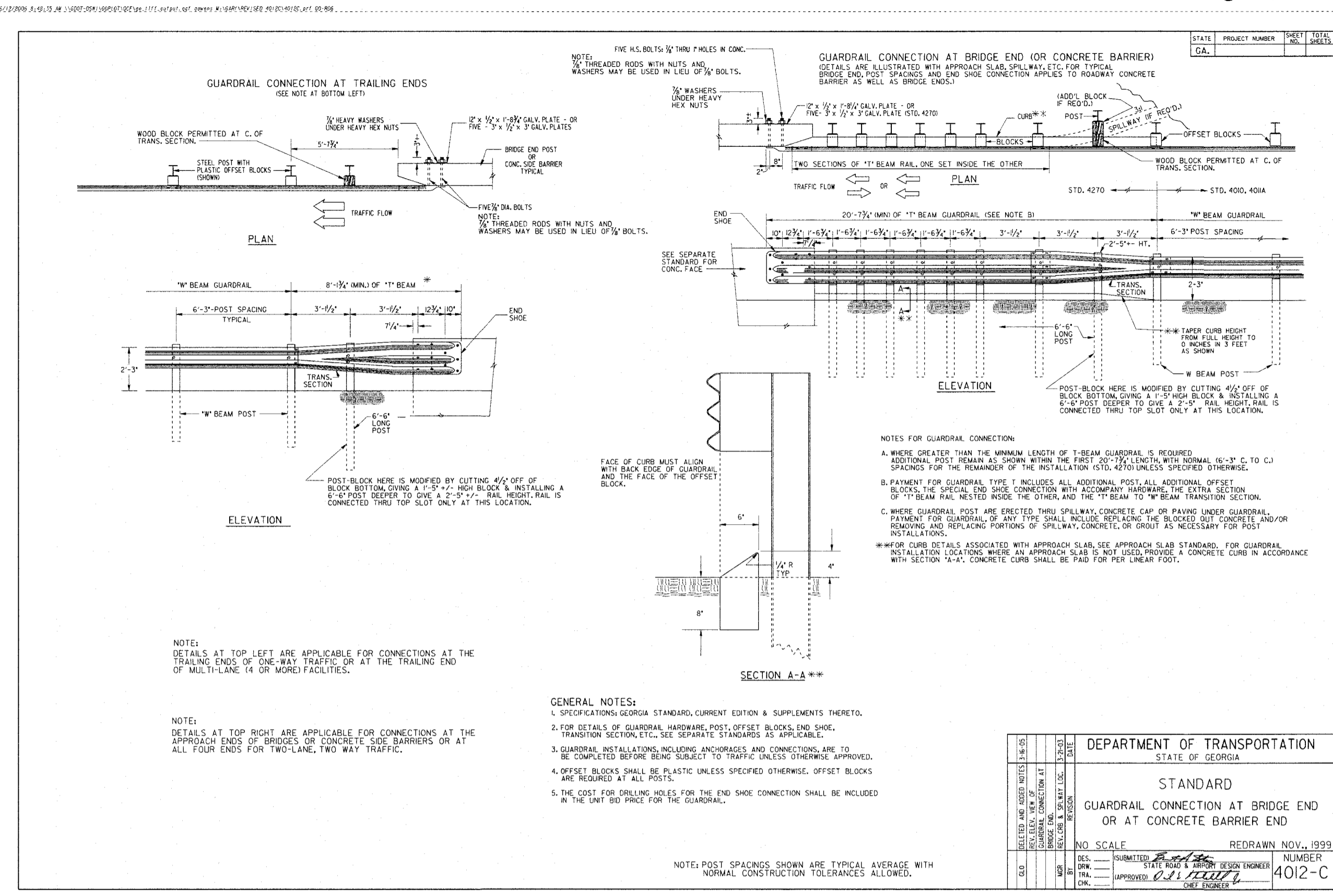
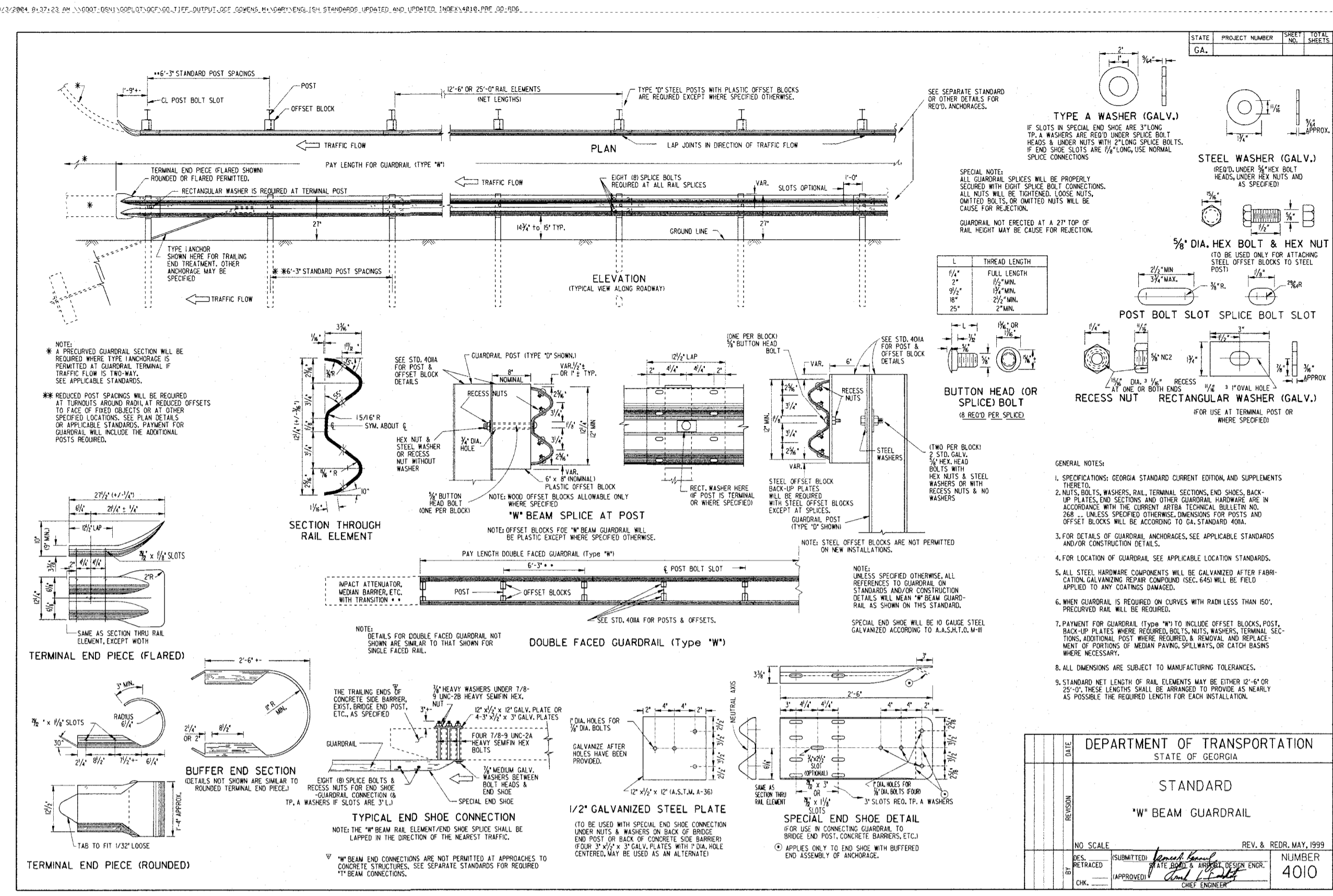
**PHILLIPS LAKE  
STRUCTURAL  
GATE CONTROL STRUCTURE  
FAYETTE COUNTY**



**WALDEN, ASHWORTH & ASSOCIATES, INC.**  
CONSULTING ENGINEERS  
P.O. BOX  
MARIETTA, GEORGIA 30065  
(770) 956 - 7897  
COA: PEF00707 EXP: 06/30/2020

JOB NO. 3804600  
DRAWING NUMBER **38046-S-305**  
REV. NO. **1**





**APPROVED**  
STATE OF GEORGIA  
DEPT OF NATURAL RESOURCES

AUG 17 2023  
Call Sheltz  
Environmental Protection Division  
Safe Dams Program

**PRIMARY PERMITTEE**  
**OWNER:**  
FAYETTE COUNTY  
BOARD OF COMMISSIONERS  
140 STONEWALL AVENUE WEST  
FAYETTEVILLE, GEORGIA 30214  
CONTACT: MR. PHIL MALLON  
PHONE: (770) 320-6010

**24 HR. CONTACT PERSON**  
PHIL MALLON  
(770) 313-9855

**811**  
Know what's below.  
Call before you dig.

**RELEASED FOR CONSTRUCTION**  
BY: MARTIN L. WALDEN, P.E. DATE: 9-15-21

THE SITE IS LOCATED ON LONGVIEW ROAD IN LAND LOT 198 OF FAYETTE COUNTY, FAYETTEVILLE, GEORGIA.

**PHILLIPS LAKE STRUCTURAL**  
GEORGIA DOT STANDARD DETAILS  
**FAYETTE COUNTY**

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JASON RAPPALAN, VP, PE, EOR  
LEVEL 2 CERTIFICATION # 3031  
EXPIRATION DATE: 12/07/23

JOB NO. 3804600 DRAWING NUMBER 38046-S-306 REV. NO. 1

NO.	REVISIONS	MADE	CKD.	DATE	NO.	REVISIONS	MADE	CKD.	DATE
1	REV. LEVEL 2 PROFESSIONAL AND EOR, UPDATE NOTES	JH	JR	6/25/23					

NO.	REVISIONS	MADE	CKD.	DATE

APPROVED  
07/13/2023  
FAYETTE COUNTY  
ENVIRONMENTAL MANAGEMENT

1