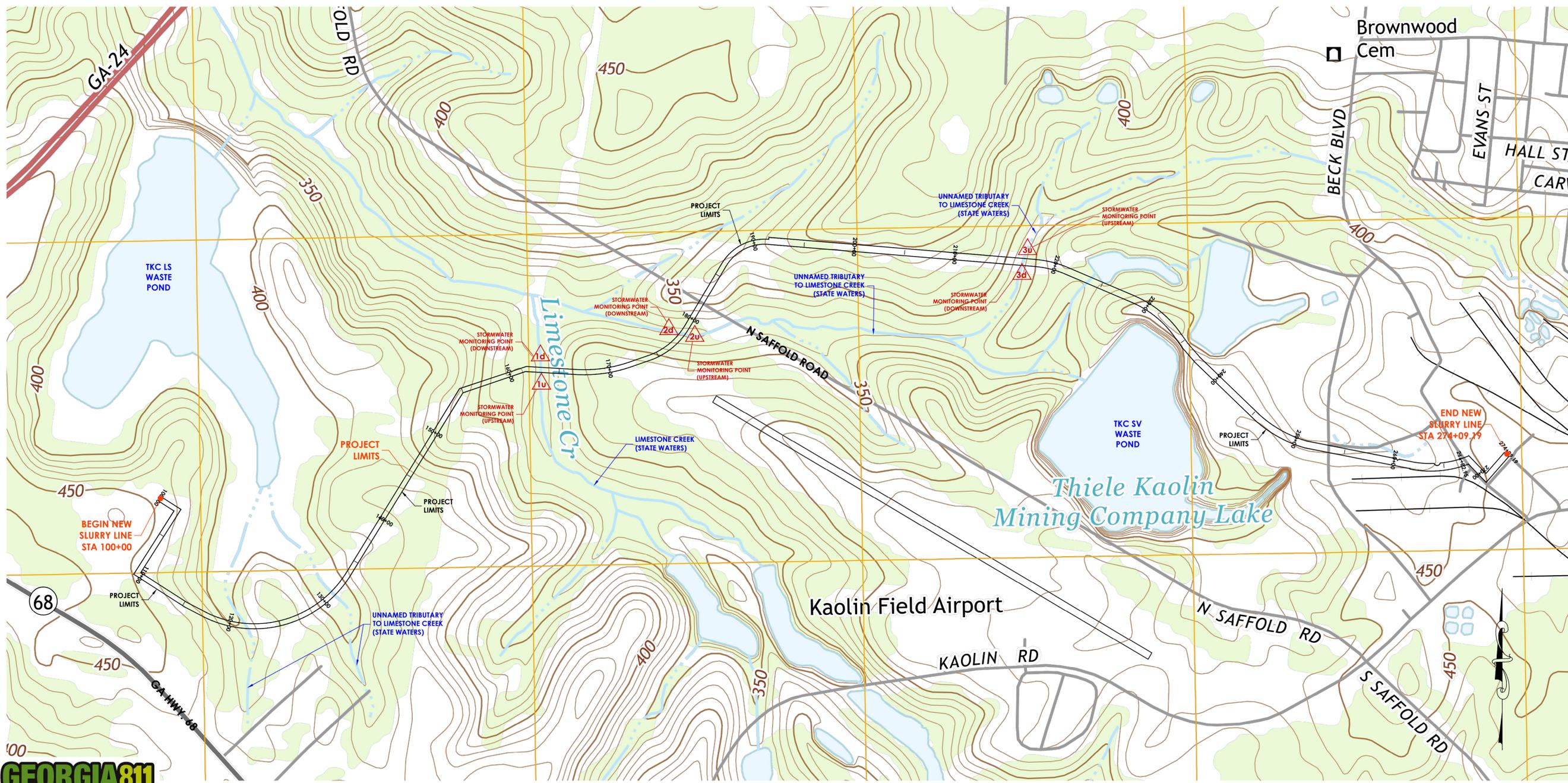


**NOTE:**  
EXISTING CONTOUR INFORMATION TAKEN FROM USGS TOPOGRAPHY MAPS AND HAVE NOT BEEN FIELD VERIFIED. THE CONTOURS SHOWN ARE INTENDED ONLY TO SHOW DRAINAGE PATTERNS IN THE PROJECT AREA.

**NOTE:**  
NO FINISHED GRADES WILL BE CHANGED AS PART OF THIS PROJECT. THEREFORE, NO PROPOSED CONTOUR LINES ARE SHOWN.



Know what's below.  
Call before you dig.  
Soil erosion control measures must be in place prior to any land disturbing activity

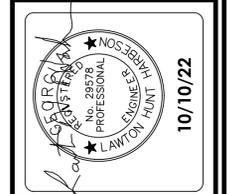
**NOTE:**  
NO FINISHED GRADES WILL BE CHANGED AS PART OF THIS PROJECT. THEREFORE, NO PROPOSED CONTOUR LINES ARE SHOWN.



**E,S&PC PLAN DESIGNER**

E,S&PC PLANS PREPARED BY CERTIFIED DESIGN PROFESSIONAL:  
*Lat N. Noh*  
 LAWTON H. HARBESON, P.E. LEVEL II CERTIFICATION NO. 0000001292 EXPIRATION 2/01/24  
 \* 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.

REVISION BLOCK	DATE	DESCRIPTION	BY



**CIVILDESIGN SOLUTIONS**  
 371 MAIN STREET  
 P.O. BOX 603  
 WARRENTON, GA 30828  
 706.465.0900 OFFICE  
 706.465.0908 FAX  
 civildesignsolutions.com

**USGS TOPO MAP**  
**THIELE KAOLIN COMPANY**  
**LS-SV PIPELINE REPLACEMENT**  
 WASHINGTON COUNTY, GEORGIA

DATE:	10/10/2022
SCALE:	1"=500'
DESIGNED BY:	LHN
CHECKED BY:	SLJ
ACAD FILE:	22-075
DRAWING NO:	22-075-2

SHEET NO. **2**  
OF 12 SHEETS

BEGINNING GPS  
LAT. 32.967486  
LON. 82.863174

**PROJECT LOCATION AND DESCRIPTION**

This site is located along a pipeline easement between Beck Blvd. and GA Hwy. 68 in Washington County, Georgia. The property consists of cleared, gently sloping terrain with sandy loam soils. The intent of this plan is to replace an existing slurry pipeline for Thiele Kaolin and will follow an existing easement. The total acreage of this easement is approximately 22.60 acres and the estimated disturbed acreage of this project is 6.00 acres. No adjacent areas will be impacted by this project.

**DEVELOPER/  
PRIMARY PERMITTEE**

THIELE KAOLIN COMPANY  
P.O. BOX 1056  
SANDERSVILLE, GA 31082  
PHONE: (478) 552-3951  
EMAIL: kyle.rutland@thielekaolin.com

**24 HOUR EMERGENCY  
CONTACT**

MR. ROB MATHIS  
PHONE: (478) 232-1847

**NPDES NOTES**

- CURRENT LAND USE = UTILITY EASEMENT  
PROPOSED LAND USE = UTILITY EASEMENT
- ON-SITE DRAINAGE AREA = 22.60 ACRES  
OFF-SITE DRAINAGE AREA = 0.00 ACRES
- NEW IMPERVIOUS DRAINAGE AREA = 0.00 ACRES
- RECEIVING BASIN = LIMESTONE CREEK
- PRE-DEVELOPED SITE RUN-OFF COEFFICIENT - 0.35 (OPEN, GRASSED, GENTLY SLOPING)  
POST-DEVELOPED SITE RUN-OFF COEFFICIENT - 0.35 (OPEN, GRASSED, GENTLY SLOPING)

**DESCRIPTION OF APPROPRIATE CONTROLS AND MEASURES  
INITIAL SEDIMENT STORAGE/PERIMETER BMP'S:**

- INSTALL CONSTRUCTION EXIT AS SHOWN ON THE PLANS OR ANY PLACE CONSTRUCTION TRAFFIC ENTERS THE ROAD AND THERE IS THE POSSIBILITY OF TRACKING.
- INSTALL SILT FENCING IN LOCATIONS SHOWN ON PLANS PRIOR TO ANY LAND DISTURBING ACTIVITIES.
- TEMPORARY GRASS AND MULCH ALL DISTURBED AREAS AS REQUIRED.
- PROVIDE DUST CONTROL AS NEEDED.
- PROVIDE STORMWATER MONITORING AS REQUIRED.
- PERFORM INSPECTIONS AND RECORD KEEPING AS REQUIRED.

NOTE:  
SEE PLAN SHEET 2 FOR  
STORMWATER SAMPLING PLAN.

SEE BELOW FOR CONTINUATION

**E,S&PC PLAN DESIGNER**

E,S&PC PLANS PREPARED BY CERTIFIED DESIGN PROFESSIONAL\*

LAWTON H. HARBERSON, P.E. 0000001292 2/01/24  
LEVEL II CERTIFICATION NO. EXPIRATION

\* 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.

**SITE DISCHARGES TO LIMESTONE CREEK  
BIO F (BIOTA IMPACTED-FISH COMMUNITY) IMPACTED STREAM SEGMENT  
ADDITIONAL BMP'S REQUIRED**

FOUR ADDITIONAL BMP'S FROM APPENDIX 1 ARE REQUIRED FOR SITES WHICH DISCHARGES TO AN IMPAIRED STREAM SEGMENT. THE ADDITIONAL BMP'S TO BE INCLUDED ARE:

- A LARGE SIGN (MINIMUM 4 FEET X 8 FEET) MUST BE POSTED ON SITE BY THE ACTUAL START DATE OF CONSTRUCTION. THE SIGN MUST BE VISIBLE FROM A PUBLIC ROADWAY. THE SIGN MUST IDENTIFY THE FOLLOWING: (1) THE CONSTRUCTION SITE, (2) THE PERMITTEE(S), (3) THE CONTACT PERSON(S) ALONG WITH THEIR TELEPHONE NUMBER(S), AND (4) THE PERMITTEE-HOSTED WEBSITE WHERE THE PLAN CAN BE VIEWED. THE PERMITTEE-HOSTED WEBSITE WHERE THE PLAN CAN BE VIEWED MUST BE PROVIDED ON THE SUBMITTED NOI. THE SIGN MUST REMAIN ON-SITE AND THE PLAN MUST BE AVAILABLE ON THE PROVIDED WEBSITE UNTIL A NOT HAS BEEN SUBMITTED.
- CONDUCT SOIL TESTS TO IDENTIFY AND TO IMPLEMENT SITE-SPECIFIC FERTILIZER NEEDS.
- CONDUCT TURBIDITY SAMPLING AFTER EVERY RAIN EVENT OF 0.5 INCHES OR GREATER WITHIN ANY 24-HOUR PERIOD, RECOGNIZING THE EXCEPTIONS SPECIFIED IN PART IV.D.6.d OF THIS PERMIT.
- CERTIFIED PERSONNEL SHALL CONDUCT INSPECTIONS AT LEAST ONCE EVERY SEVEN (7) CALENDAR DAYS AND WITHIN 24 HOURS OF THE END OF THE STORM THAT IS 0.5 INCHES RAINFALL OR GREATER IN ACCORDANCE WITH PART IV.D.4.a.(3).(a)-(c) OF THIS PERMIT.

NOTE:  
THIS CONSTRUCTION SITE DOES DISCHARGE INTO OR WITHIN  
1 LINEAR MILE UPSTREAM OF AN IMPAIRED STREAM SEGMENT  
LISTED IN THE 2014 INTEGRATED 305(b)/303(a) LIST.

NOTE:  
A TMDL IMPLEMENTATION PLAN FOR SEDIMENT HAS BEEN FINALIZED  
FOR THIS IMPAIRED STREAM SEGMENT. THIS CONSTRUCTION SITE  
SHALL MEET THE REQUIREMENTS OF THE GENERAL STORM WATER  
PERMIT.

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

NOTE:  
NON-EXEMPT ACTIVITIES SHALL NOT BE CONDUCTED WITHIN THE 25  
OR 50-FOOT UNDISTURBED STREAM BUFFERS AS MEASURED FROM THE  
POINT OF WRESTED 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.

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

NOTE:  
THERE ARE STATE WATERS LOCATED WITHIN 200' OF THE  
LAND DISTURBANCE FOR THIS PROJECT AND THERE ARE  
KNOWN WETLANDS LOCATED ON THE PROPERTY. THESE  
WETLANDS SHALL NOT BE DISTURBED BY THIS PROJECT.

NOTE:  
THERE ARE BUFFER ENCROACHMENTS PLANNED FOR THIS  
PROJECT. THESE BUFFER ENCROACHMENTS ARE EXEMPT FROM  
BUFFER VARIANCE REQUIREMENTS DUE TO THE FACT THAT THEY  
ARE UTILITY LINES THAT CROSS THE BUFFER AT A 90° ANGLE.

NOTE:  
IF THE CONTRACTOR/OWNER DETERMINES POSSIBLE WETLANDS  
MAY BE DISTURBED, THEY SHALL CONTACT THE DESIGN  
ENGINEER PRIOR TO IMPACT. THE OWNER IS RESPONSIBLE FOR  
ALL REQUIRED PERMITTING AND/OR VARIANCES.

**\*\*\*\*\* MAINTENANCE STATEMENTS \*\*\*\*\***

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.

CONTINUATION FROM ABOVE

CONTINUATION FROM ABOVE

SEE BELOW FOR CONTINUATION

**REVISION BLOCK**

NO.	DATE	DESCRIPTION	BY



**CIVILDESIGN SOLUTIONS**  
706.465.0900 OFFICE  
706.465.0909 FAX  
civildesignsolutions.com

371 MAIN STREET  
P.O. BOX 603  
WARRENTON, GA 30828

**INITIAL PHASE E,S&PC PLAN**  
**THIELE KAOLIN COMPANY**  
**LS-SV PIPELINE REPLACEMENT**  
WASHINGTON COUNTY, GEORGIA

DATE:	10/10/2022
SCALE:	1"=100'
DESIGNED BY:	LHM
CHECKED BY:	SLJ
ACAD FILE:	22-075
DRAWING NO.:	22-075-3
SHEET NO.:	<b>3</b>
OF 12 SHEETS	



Know what's below.  
Call before you dig.  
Soil erosion control measures must be in place prior to any land disturbing activity



SEE SH. 4 FOR CONTINUATION

\*\*\*\*\* MAINTENANCE STATEMENTS \*\*\*\*\*

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.

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E,S&PC PLAN DESIGNER

E,S&PC PLANS PREPARED BY CERTIFIED DESIGN PROFESSIONAL:

Lawton H. Harbeson, P.E. 0000001292 2/01/24  
 LEVEL II CERTIFICATION NO. EXPIRATION

\* 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.

REVISION BLOCK

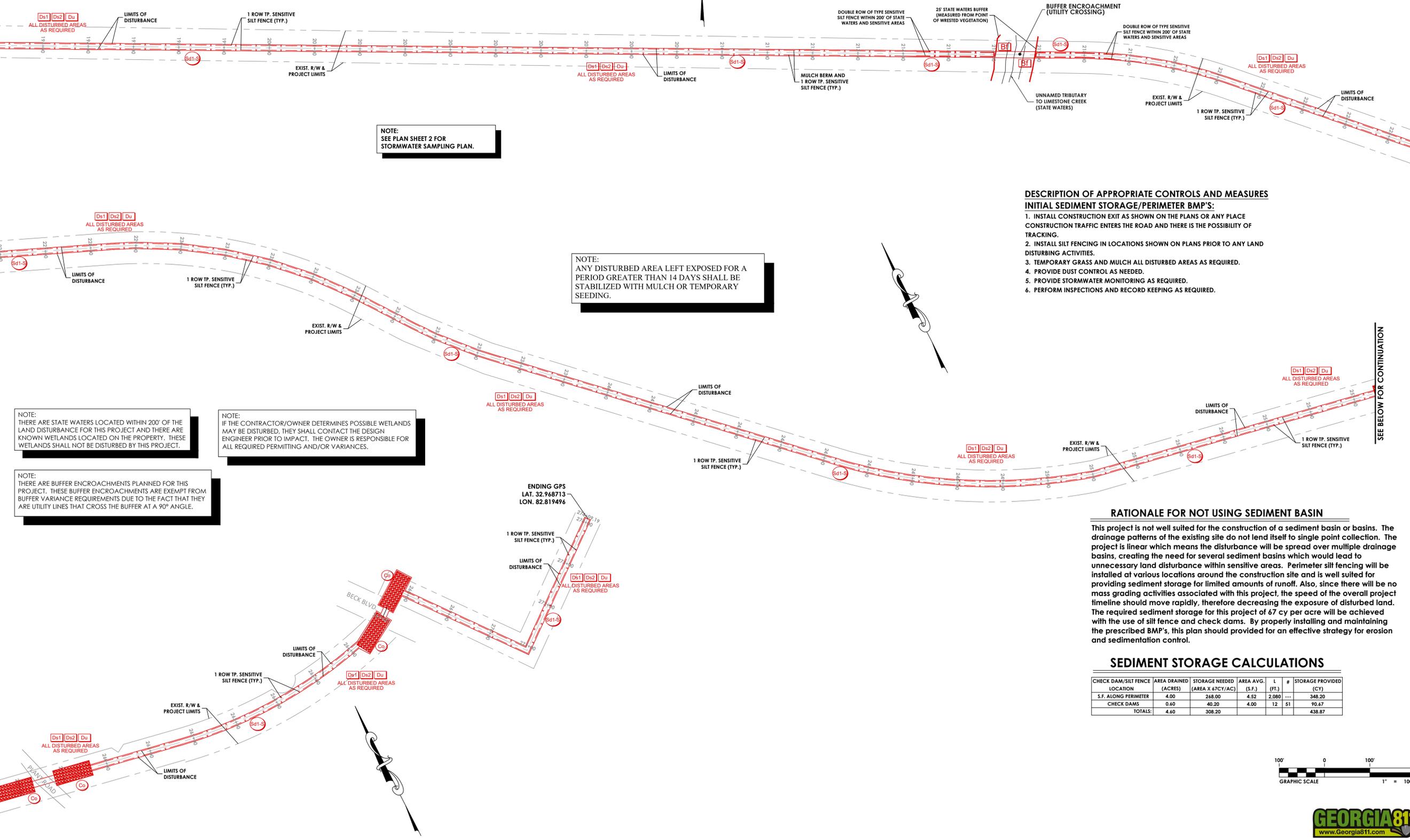
NO.	DATE	DESCRIPTION

Professional Engineer Seal for Lawton H. Harbeson, P.E., No. 29578, State of Georgia. Expiration Date: 10/10/22.

CONTINUATION FROM SHEET 3

CONTINUATION FROM ABOVE

CONTINUATION FROM ABOVE



NOTE: SEE PLAN SHEET 2 FOR STORMWATER SAMPLING PLAN.

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

NOTE: THERE ARE STATE WATERS LOCATED WITHIN 200' OF THE LAND DISTURBANCE FOR THIS PROJECT AND THERE ARE KNOWN WETLANDS LOCATED ON THE PROPERTY. THESE WETLANDS SHALL NOT BE DISTURBED BY THIS PROJECT.

NOTE: IF THE CONTRACTOR/OWNER DETERMINES POSSIBLE WETLANDS MAY BE DISTURBED, THEY SHALL CONTACT THE DESIGN ENGINEER PRIOR TO IMPACT. THE OWNER IS RESPONSIBLE FOR ALL REQUIRED PERMITTING AND/OR VARIANCES.

NOTE: THERE ARE BUFFER ENCROACHMENTS PLANNED FOR THIS PROJECT. THESE BUFFER ENCROACHMENTS ARE EXEMPT FROM BUFFER VARIANCE REQUIREMENTS DUE TO THE FACT THAT THEY ARE UTILITY LINES THAT CROSS THE BUFFER AT A 90° ANGLE.

ENDING GPS  
 LAT. 32.968713  
 LON. 82.819496

DESCRIPTION OF APPROPRIATE CONTROLS AND MEASURES

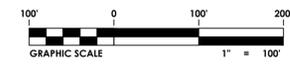
- INITIAL SEDIMENT STORAGE/PERIMETER BMP'S:**
1. INSTALL CONSTRUCTION EXIT AS SHOWN ON THE PLANS OR ANY PLACE CONSTRUCTION TRAFFIC ENTERS THE ROAD AND THERE IS THE POSSIBILITY OF TRACKING.
  2. INSTALL SILT FENCING IN LOCATIONS SHOWN ON PLANS PRIOR TO ANY LAND DISTURBING ACTIVITIES.
  3. TEMPORARY GRASS AND MULCH ALL DISTURBED AREAS AS REQUIRED.
  4. PROVIDE DUST CONTROL AS NEEDED.
  5. PROVIDE STORMWATER MONITORING AS REQUIRED.
  6. PERFORM INSPECTIONS AND RECORD KEEPING AS REQUIRED.

RATIONALE FOR NOT USING SEDIMENT BASIN

This project is not well suited for the construction of a sediment basin or basins. The drainage patterns of the existing site do not lend itself to single point collection. The project is linear which means the disturbance will be spread over multiple drainage basins, creating the need for several sediment basins which would lead to unnecessary land disturbance within sensitive areas. Perimeter silt fencing will be installed at various locations around the construction site and is well suited for providing sediment storage for limited amounts of runoff. Also, since there will be no mass grading activities associated with this project, the speed of the overall project timeline should move rapidly, therefore decreasing the exposure of disturbed land. The required sediment storage for this project of 67 cy per acre will be achieved with the use of silt fence and check dams. By properly installing and maintaining the prescribed BMP's, this plan should provided for an effective strategy for erosion and sedimentation control.

SEDIMENT STORAGE CALCULATIONS

CHECK DAM/SILT FENCE LOCATION	AREA DRAINED (ACRES)	STORAGE NEEDED (AREA X 67CY/AC)	AREA AVG. (S.F.)	L (FT.)	#	STORAGE PROVIDED (CY)
S.F. ALONG PERIMETER	4.00	268.00	4.52	2,080	---	348.20
CHECK DAMS	0.60	40.20	4.00	12	51	90.87
TOTALS:	4.60	308.20				439.07



INITIAL PHASE E,S&PC PLAN  
 THIELE KAOLIN COMPANY  
 LS-SV PIPELINE REPLACEMENT  
 WASHINGTON COUNTY, GEORGIA

DATE: 10/10/2022  
 SCALE: 1"=100'  
 DESIGNED BY: LHM  
 CHECKED BY: SLJ  
 ACAD FILE: 22-075  
 DRAWING NO: 22-075-4  
 SHEET NO. 4 OF 12 SHEETS



Soil erosion control measures must be in place prior to any land disturbing activity

SITE DISCHARGES TO LIMESTONE CREEK  
BIO F (BIOTA IMPACTED-FISH COMMUNITY) IMPACTED STREAM SEGMENT  
ADDITIONAL BMP'S REQUIRED

FOUR ADDITIONAL BMP'S FROM APPENDIX 1 ARE REQUIRED FOR SITES WHICH DISCHARGES TO AN IMPAIRED STREAM SEGMENT. THE ADDITIONAL BMP'S TO BE INCLUDED ARE:

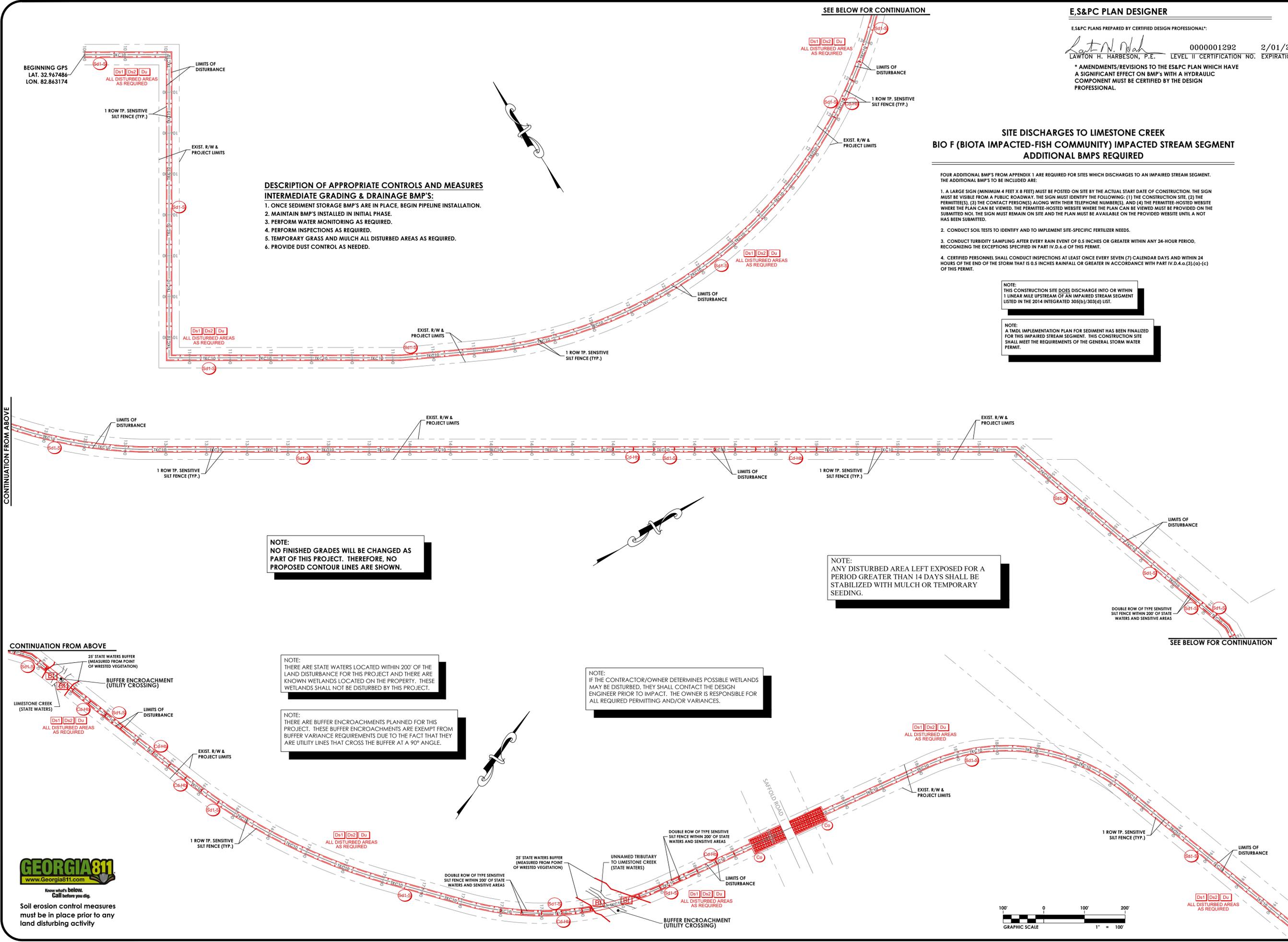
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2. CONDUCT SOIL TESTS TO IDENTIFY AND TO IMPLEMENT SITE-SPECIFIC FERTILIZER NEEDS.
3. CONDUCT TURBIDITY SAMPLING AFTER EVERY RAIN EVENT OF 0.5 INCHES OR GREATER WITHIN ANY 24-HOUR PERIOD, RECOGNIZING THE EXCEPTIONS SPECIFIED IN PART IV.D.6.d OF THIS PERMIT.
4. CERTIFIED PERSONNEL SHALL CONDUCT INSPECTIONS AT LEAST ONCE EVERY SEVEN (7) CALENDAR DAYS AND WITHIN 24 HOURS OF THE END OF THE STORM THAT IS 0.5 INCHES RAINFALL OR GREATER IN ACCORDANCE WITH PART IV.D.4.c.(3)-(c) OF THIS PERMIT.

NOTE:  
THIS CONSTRUCTION SITE DOES DISCHARGE INTO OR WITHIN 1 LINEAR MILE UPSTREAM OF AN IMPAIRED STREAM SEGMENT LISTED IN THE 2014 INTEGRATED 305(b)-(3)(3)(d) LIST.

NOTE:  
A TMDL IMPLEMENTATION PLAN FOR SEDIMENT HAS BEEN FINALIZED FOR THIS IMPAIRED STREAM SEGMENT. THIS CONSTRUCTION SITE SHALL MEET THE REQUIREMENTS OF THE GENERAL STORM WATER PERMIT.

SEE BELOW FOR CONTINUATION

SEE BELOW FOR CONTINUATION



CONTINUATION FROM ABOVE

CONTINUATION FROM ABOVE

SEE SH. 6 FOR CONTINUATION

REVISION BLOCK

NO.	DATE	DESCRIPTION	BY

Professional Engineer Seal for Lawton H. Harbeson, P.E., No. 29578, State of Georgia. Expiration Date: 10/10/22.

**CIVILDESIGN SOLUTIONS**  
 371 MAIN STREET  
 P.O. BOX 603  
 WARRENTON, GA 30828  
 706.465.0900 OFFICE  
 706.465.0909 FAX  
 civildesignsolutions.com

**INTERMEDIATE E,S&PC PLAN**  
**THIELE KAOLIN COMPANY**  
**LS-SV PIPELINE REPLACEMENT**  
 WASHINGTON COUNTY, GEORGIA

DATE:	10/10/2022
SCALE:	1"=100'
DESIGNED BY:	LHM
CHECKED BY:	SLJ
ACAD FILE:	22-075
DRAWING NO.:	22-075-5
SHEET NO.:	<b>5</b>
OF 12 SHEETS	

**GEORGIA811**  
 www.Georgia811.com  
 Know what's below. Call before you dig.  
 Soil erosion control measures must be in place prior to any land disturbing activity



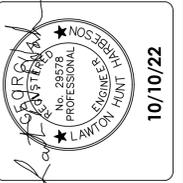
**E,S&PC PLAN DESIGNER**

E,S&PC PLANS PREPARED BY CERTIFIED DESIGN PROFESSIONAL:

*Lawton H. Harbeson, P.E.* 0000001292 2/01/24  
 LAWTON H. HARBESON, P.E. LEVEL II CERTIFICATION NO. EXPIRATION

\* 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.

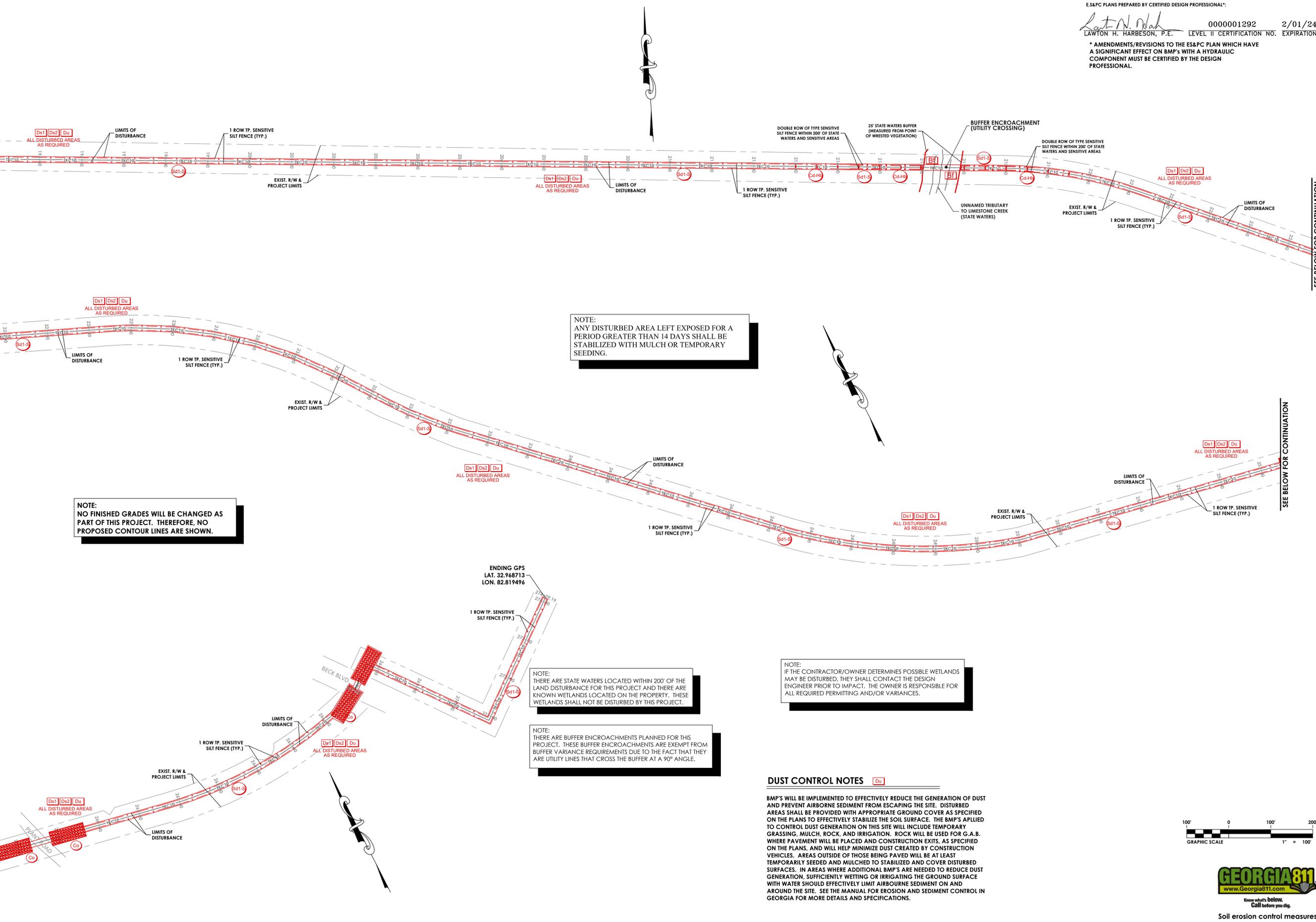
REVISION BLOCK	DATE	DESCRIPTION



CONTINUATION FROM SHEET 5

CONTINUATION FROM ABOVE

CONTINUATION FROM ABOVE



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

NOTE:  
 NO FINISHED GRADES WILL BE CHANGED AS PART OF THIS PROJECT. THEREFORE, NO PROPOSED CONTOUR LINES ARE SHOWN.

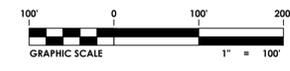
NOTE:  
 THERE ARE STATE WATERS LOCATED WITHIN 200' OF THE LAND DISTURBANCE FOR THIS PROJECT AND THERE ARE KNOWN WETLANDS LOCATED ON THE PROPERTY. THESE WETLANDS SHALL NOT BE DISTURBED BY THIS PROJECT.

NOTE:  
 THERE ARE BUFFER ENCROACHMENTS PLANNED FOR THIS PROJECT. THESE BUFFER ENCROACHMENTS ARE EXEMPT FROM BUFFER VARIANCE REQUIREMENTS DUE TO THE FACT THAT THEY ARE UTILITY LINES THAT CROSS THE BUFFER AT A 90° ANGLE.

NOTE:  
 IF THE CONTRACTOR/OWNER DETERMINES POSSIBLE WETLANDS MAY BE DISTURBED, THEY SHALL CONTACT THE DESIGN ENGINEER PRIOR TO IMPACT. THE OWNER IS RESPONSIBLE FOR ALL REQUIRED PERMITTING AND/OR VARIANCES.

**DUST CONTROL NOTES** Du

BMP'S WILL BE IMPLEMENTED TO EFFECTIVELY REDUCE THE GENERATION OF DUST AND PREVENT AIRBORNE SEDIMENT FROM ESCAPING THE SITE. DISTURBED AREAS SHALL BE PROVIDED WITH APPROPRIATE GROUND COVER AS SPECIFIED ON THE PLANS TO EFFECTIVELY STABILIZE THE SOIL SURFACE. THE BMP'S APPLIED TO CONTROL DUST GENERATION ON THIS SITE WILL INCLUDE TEMPORARY GRASSING, MULCH, ROCK, AND IRRIGATION. ROCK WILL BE USED FOR G.A.B. WHERE PAVEMENT WILL BE PLACED AND CONSTRUCTION EXITS, AS SPECIFIED ON THE PLANS, AND WILL HELP MINIMIZE DUST CREATED BY CONSTRUCTION VEHICLES. AREAS OUTSIDE OF THOSE BEING PAVED WILL BE AT LEAST TEMPORARILY SEEDED AND MULCHED TO STABILIZED AND COVER DISTURBED SURFACES. IN AREAS WHERE ADDITIONAL BMP'S ARE NEEDED TO REDUCE DUST GENERATION, SUFFICIENTLY WETTING OR IRRIGATING THE GROUND SURFACE WITH WATER SHOULD EFFECTIVELY LIMIT AIRBORNE SEDIMENT ON AND AROUND THE SITE. SEE THE MANUAL FOR EROSION AND SEDIMENT CONTROL IN GEORGIA FOR MORE DETAILS AND SPECIFICATIONS.



Soil erosion control measures must be in place prior to any land disturbing activity

**INTERMEDIATE E,S&PC PLAN**  
**THIELE KAOLIN COMPANY**  
**LS-SV PIPELINE REPLACEMENT**  
 WASHINGTON COUNTY, GEORGIA

DATE:	10/10/2022
SCALE:	1"=100'
DESIGNED BY:	LHM
CHECKED BY:	SLJ
ACAD FILE:	22-075
DRAWING NO.:	22-075-4
SHEET NO.	<b>6</b>
OF 12 SHEETS	

**CIVILDESIGN SOLUTIONS**  
 371 MAIN STREET  
 P.O. BOX 603  
 WARRENTON, GA 30828  
 706.465.0900 OFFICE  
 706.465.0909 FAX  
 civildesignsolutions.com

BEGINNING GPS  
LAT. 32.967486  
LON. 82.863174

NOTE:  
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**DESCRIPTION OF APPROPRIATE CONTROLS AND MEASURES**

**FINAL PHASE BMP'S:**

1. MAINTAIN BMP'S INSTALLED IN INITIAL AND INTERMEDIATE PHASE UNTIL FINAL STABILIZATION IS ACHIEVED.
2. PROVIDE DUST CONTROL AS NEEDED.
3. PERMANENT GRASS ALL DISTURBED AREAS IMMEDIATELY UPON REACHING FINAL GRADES.
4. PERFORM WATER MONITORING AS REQUIRED.
5. PERFORM INSPECTIONS AND RECORD KEEPING AS REQUIRED.
6. REMOVE TEMPORARY BMP'S AFTER FINAL STABILIZATION IS ACHIEVED.
7. SUBMIT NOT.

SEE BELOW FOR CONTINUATION

**E,S&PC PLAN DESIGNER**

E,S&PC PLANS PREPARED BY CERTIFIED DESIGN PROFESSIONAL\*

LAWTON H. HARBESON, P.E. 0000001292 2/01/24  
LEVEL II CERTIFICATION NO. EXPIRATION

\* 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.

**SITE DISCHARGES TO LIMESTONE CREEK  
BIO F (BIOTA IMPACTED-FISH COMMUNITY) IMPACTED STREAM SEGMENT  
ADDITIONAL BMP'S REQUIRED**

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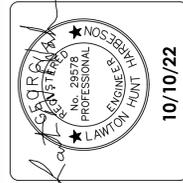
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2. CONDUCT SOIL TESTS TO IDENTIFY AND TO IMPLEMENT SITE-SPECIFIC FERTILIZER NEEDS.
3. CONDUCT TURBIDITY SAMPLING AFTER EVERY RAIN EVENT OF 0.5 INCHES OR GREATER WITHIN ANY 24-HOUR PERIOD. RECOGNIZING THE EXCEPTIONS SPECIFIED IN PART IV.D.4.d OF THIS PERMIT.
4. CERTIFIED PERSONNEL SHALL CONDUCT INSPECTIONS AT LEAST ONCE EVERY SEVEN (7) CALENDAR DAYS AND WITHIN 24 HOURS OF THE END OF THE STORM THAT IS 0.5 INCHES RAINFALL OR GREATER IN ACCORDANCE WITH PART IV.D.4.c.(3)-(a)-(c) OF THIS PERMIT.

NOTE:  
THIS CONSTRUCTION SITE DOES DISCHARGE INTO OR WITHIN 1 LINEAR MILE UPSTREAM OF AN IMPAIRED STREAM SEGMENT LISTED IN THE 2014 INTEGRATED 305(b)/303(d) LIST.

NOTE:  
A TMDL IMPLEMENTATION PLAN FOR SEDIMENT HAS BEEN FINALIZED FOR THIS IMPAIRED STREAM SEGMENT. THIS CONSTRUCTION SITE SHALL MEET THE REQUIREMENTS OF THE GENERAL STORM WATER PERMIT.

**REVISION BLOCK**

NO.	DATE	DESCRIPTION	BY



**CIVILDESIGN SOLUTIONS**  
706.465.0900 OFFICE  
706.465.0909 FAX  
civildesignsolutions.com

371 MAIN STREET  
P.O. BOX 603  
WARRENTON, GA 30828

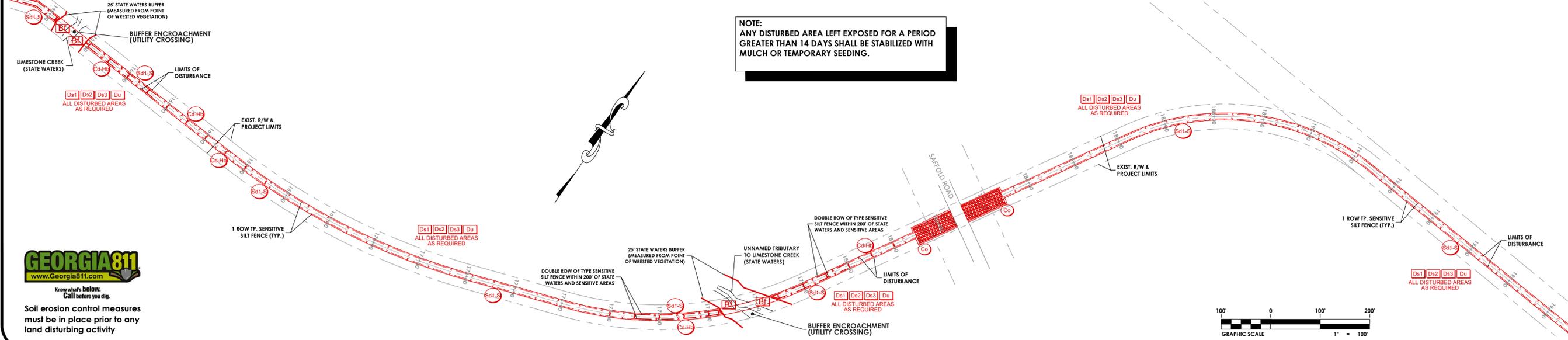
**FINAL PHASE E,S&PC PLAN**  
**THIELE KAOLIN COMPANY**  
**LS-SV PIPELINE REPLACEMENT**  
WASHINGTON COUNTY, GEORGIA

DATE:	10/10/2022
SCALE:	1"=100'
DESIGNED BY:	LHM
CHECKED BY:	SLJ
ACAD FILE:	22-075
DRAWING NO.:	22-075-7
SHEET NO.:	<b>7</b>
OF 12 SHEETS	

CONTINUATION FROM ABOVE

CONTINUATION FROM ABOVE

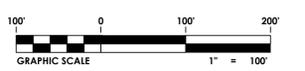
SEE BELOW FOR CONTINUATION



NOTE:  
ALL BUILDING MATERIALS/PRODUCTS, INCLUDING CONSTRUCTION WASTES, TRASH, LANDSCAPE MATERIALS, FERTILIZERS, PESTICIDES, HERBICIDES, DETERGENTS, SANITARY WASTE, ETC. SHALL BE PROPERLY COVERED WITH PLASTIC SHEETING TO REDUCE THEIR EXPOSURE TO PRECIPITATION AND STORMWATER RUNOFF.

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

**GEORGIA811**  
www.Georgia811.com  
Know what's below.  
Call before you dig.  
Soil erosion control measures must be in place prior to any land disturbing activity



SEE SH. 8 FOR CONTINUATION







5. Sampling Requirements. This permit requires the monitoring of nephelometric turbidity in receiving water(s) or outfalls in accordance with this permit. The following procedures constitute the permittee's sampling methodology.

a. Sampling Requirements shall include the following:

(1). A USGS topographic map, a topographic map or a drawing (referred to as a topographic map) that is a scale equal to or more detailed than a 1:24000 map showing the location of the infrastructure construction. (a) the location of all perennial and intermittent streams and other water bodies as shown on a USGS topographic map, and all other perennial and intermittent streams and other water bodies located during mandatory field verification, into which the stormwater is discharged and (b) the receiving water and/or outfall sampling locations for each representative stormwater outfall. When the permittee has chosen to use a USGS topographic map and the receiving water(s) is not shown on the USGS topographic map, the location of the receiving water(s) must be hand-drawn on the USGS topographic map from where the stormwater(s) enters the receiving water(s) to the point where the receiving water(s) combines with the first blue line stream shown on the USGS topographic map.

(2). A written narrative of site specific analytical methods used to collect and analyze the samples including quality control/quality assurance procedures. This narrative must include precise sampling methodology for each sampling location.

(3). When the permittee has determined that some or all outfalls will be sampled, a rationale must be included on the Plan for the NTU limit(s) selected from Appendix B. This rationale must include the size of the construction site, the calculation of the size of the surface water drainage area, and the type of receiving water(s) (i.e., trout stream or supporting warm water fisheries); and

(4). Any additional information EPD determines necessary to be part of the Plan. EPD will provide written notice to the permittee of the information necessary and the time line for submittal.

b. Sample Type. All sampling shall be collected by "grab samples" and the analysis of these samples must be conducted in accordance with methodology and test procedures established by 40 CFR Part 134 (unless other test procedures have been approved), the guidance document titled "NPDES Storm Water Sampling Guidance Document, EPA 833-B-92-001" and guidance documents that may be prepared by the EPD.

(1). Sample containers should be labeled prior to collecting the samples.

(2). Samples should be well mixed before transferring to a secondary container.

(3). Large mouth, well cleaned and rinsed glass or plastic jars should be used for collecting samples. The jars should be cleaned thoroughly to avoid contamination.

(4). Manual, automatic or rising stage sampling may be utilized. Samples required by this permit should be analyzed immediately, but in no case later than 48 hours after collection. However, samples from automatic samplers must be collected no later than the next business day after their accumulation, unless flow through automated analysis is utilized. If automatic sampling is utilized and the automatic sampler is not activated during the qualifying event, the permittee must utilize manual sampling or rising stage sampling during the next qualifying event. Dilution of samples is not required. Samples may be analyzed directly with a properly calibrated turbidimeter. Samples are not required to be cooled.

(5). Sampling and analysis of the receiving water(s) or outfalls beyond the minimum frequency stated in this permit must be reported to EPD as specified in Part IV.E.

c. Sampling Points.

(1). For construction activities the primary permittee must sample all perennial and intermittent streams and other water bodies shown on the USGS topographic map and all other field verified perennial and intermittent streams and other water bodies, or all outfalls into such streams and other water bodies, or a combination thereof. However, provided for in and in accordance with Part IV.D.6.c.(2), of this permit, primary permittees on an infrastructure construction project may sample the representative perennial and intermittent streams, other water bodies or outfalls, or a combination thereof. Samples taken for the purpose of compliance with this permit shall be representative of the monitored activity and representative of the water quality of the receiving water(s) and/or the stormwater outfalls using the following minimum guidelines:

(a). The upstream sample for each receiving water(s) must be taken immediately upstream of the confluence of the first stormwater discharge from the permitted activity (i.e., the discharge farthest upstream at the site) but downstream of any other stormwater discharges not associated with the permitted activity. Where appropriate, several upstream samples from across the receiving water(s) may need to be taken and the arithmetic average of the turbidity of these samples used for the upstream turbidity value.

(b). The downstream sample for each receiving water(s) must be taken downstream of the confluence of the last stormwater discharge from the permitted activity (i.e., the discharge farthest downstream at the site) but upstream of any other stormwater discharge not associated with the permitted activity. Where appropriate, several downstream samples from across the receiving water(s) may need to be taken and the arithmetic average of the turbidity of these samples used for the downstream turbidity value.

(c). Ideally the samples should be taken from the horizontal and vertical center of the receiving water(s) or the stormwater outfall channel(s).

(d). Care should be taken to avoid stirring the bottom sediments in the receiving water(s) or in the outfall stormwater channel.

(e). The sampling container should be held so that the opening faces upstream.

(f). The samples should be kept free from floating debris.

(g). Permittees do not have to sample sheet flow that flows onto undisturbed natural areas or areas stabilized by the project. For purposes of this section, stabilized shall mean, for unpaved areas and areas not covered by permanent structures, 100% of the soil surface is uniformly covered in permanent vegetation with a density of 70% or greater, or landscaped according to the Plan (uniformly covered with landscaping materials in planned landscaped areas), or equivalent permanent stabilization measures as defined in the Manual (excluding a crop of annual vegetation and a seeding of target crop perennials appropriate for the region). For infrastructure construction projects on land used for agricultural or silvicultural purposes, final stabilization may be accomplished by stabilizing the disturbed land for its agricultural or silvicultural use.

(h). All sampling pursuant to this permit must be done in such a way (including generally accepted sampling methods, locations, timing, and frequency) as to accurately reflect whether stormwater runoff from the construction site is in compliance with the standard set forth in Parts III.D.3. or III.D.4., whichever is applicable.

(2). For infrastructure construction projects, the permittee is not required to sample a perennial or intermittent stream or other water bodies (or the associated outfall, if applicable) if the design professional preparing the Plan certifies that an increase in the turbidity of a specific identified receiving water to be sampled will be representative of the increase in the turbidity of a specific identified un-sampled receiving water. A written justification and detailed analysis shall be prepared by the design professional justifying such proposed sampling. A summary chart of the justification and analysis for the representative sampling must be included on the Plan. The justification and analysis shall include the location and description of the specified sampled and un-sampled receiving water and shall contain a detailed comparison and discussion of each such receiving water in the following areas:

(a). site land disturbances and characteristics;

(b). receiving water watershed sizes and characteristics; and

(c). site and watershed runoff characteristics utilizing the methods in Appendix A-1 (United States Department of Agriculture Soil Conservation Service's TR-55, Urban Hydrology for Small Watersheds) of the most recent version of the "Manual for Erosion and Sedimentation Control in Georgia" for the various precipitation events and any other such considerations necessary to show that the increase in the turbidity of a specific identified sampled receiving water will be representative of the increases in the turbidity of a specific identified un-sampled receiving waters.

(3). For infrastructure construction projects, when the permittee determines that some receiving water(s) will not be sampled due to representative sampling, the design professional making this determination and preparing the Plan must include and sign the following certification in the Plan:

"I certify that the permittee's Erosion, Sedimentation and Pollution Control Plan provides for the monitoring of: (a) all perennial and intermittent streams and other water bodies shown on the USGS topographic map and all other field verified perennial and intermittent streams and other water bodies, or (b) where any such specific identified perennial or intermittent stream and other water body is not proposed to be sampled, I have determined in my professional judgment, utilizing the factors required in the General NPDES Permit No. GA810002, that the increase in the turbidity of each specific identified sampled receiving water will be representative of the increase in the turbidity of a specific identified un-sampled receiving water."

(4). For infrastructure construction projects, if at any time during the life of the project a selected receiving water no longer represents another receiving water, then the permittee shall sample the latter receiving water until selection of an alternative representative receiving water.

(5). For infrastructure construction projects, if at any time during the life of the project a receiving water is determined not to be represented as certified in the Plan, the permittee shall sample that receiving water until a Notice of Termination is submitted or until the applicable phase is stabilized in accordance with this permit.

(6). For infrastructure construction projects, monitoring obligations shall cease for any phase of the project that has been stabilized in accordance with Part IV.D.6.c.(1)(g).

d. Sampling Frequency.

(1). The primary permittee must sample in accordance with the Plan at least once for each rainfall event described below. For a qualifying event, the permittee shall sample at the beginning of any stormwater discharge to a monitored receiving water and/or from a monitored outfall location within forty-five (45) minutes or as soon as possible.

(2). However, where manual and automatic sampling are impossible (as defined in this permit), or are beyond the permittee's control, the permittee shall take samples as soon as possible, but in no case more than twelve (12) hours after the beginning of the stormwater discharge.

(3). Sampling by the permittee shall occur for the following qualifying events:

(a). For each area of the site that discharges to a receiving water or from an outfall, the first rain event that reaches or exceeds 0.5 inch with a stormwater discharge that occurs during normal business hours as defined in this permit after all clearing and grubbing operations have been completed, but prior to completion of mass grading operations, in the drainage area of the location selected as the representative sampling location;

(b). In addition to (a) above, for each area of the site that discharges to a receiving water or from an outfall, the first rain event that reaches or exceeds 0.5 inch with a stormwater discharge that occurs during normal business hours as defined in this permit within 90 days after the first sampling event or after all mass grading operations have been completed, but prior to submittal of a NOT, in the drainage area of the location selected as the representative sampling location, whichever comes first;

(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 or from an outfall are not properly designed, installed and maintained, corrective action shall be defined and implemented within two (2) business days, and turbidity samples shall be taken from discharges from that area of the site for each subsequent rain event that reaches or exceeds 0.5 inch during normal business hours\* until the selected turbidity standard is attained, or until post-storm event inspections determine that BMPs are properly designed, installed and maintained;

(d). Where sampling pursuant to (a), (b) or (c) above is required but not possible (or not required because there was no discharge), the permittee, in accordance with Part IV.D.4.a.(6), must include a written justification in the inspection report of why sampling was not performed. Providing this justification does not relieve the permittee of any subsequent sampling obligations under (a), (b) or (c) above; and

(e). Existing construction activities, i.e., those that are occurring on or before the effective date of this permit, that have met the sampling required by (a) above shall sample in accordance with (b). Those existing construction activities that have met the sampling required by (b) above shall not be required to conduct additional sampling other than as required by (c) above.

\*Note that the Permittee may choose to meet the requirements of (a) and (b) above by collecting turbidity samples from any rain event that reaches or exceeds 0.5 inch and allows for sampling at any time of the day or week.

1. Inspections.

a. Permittee requirements.

(1). Each day when any type of construction activity has taken place at a primary permittee's site, certified personnel provided by the primary permittee shall inspect: (a) all areas of the primary permittee's site where petroleum products are stored, used, or handled for spills and leaks from vehicles and equipment and (b) all locations at the primary permittee's site where vehicles enter or exit the site for evidence of off-site sediment tracking. These inspections must be conducted until a Notice of Termination is submitted.

(2). Measure and record rainfall within disturbed areas of the site that have not met final stabilization once every 24 hours except any non-working Saturday, non-working Sunday and non-working Federal holiday. The data collected for the purpose of compliance with this permit shall be representative of the monitored activity. Measurement of rainfall may be suspended if all areas of the site have undergone final stabilization or established a crop of annual vegetation and a seeding of target perennials appropriate for the region.

(3). Certified personnel (provided by the primary permittee) shall inspect the following at least once every fourteen (14) calendar days and within 24 hours of the end of a storm that is 0.5 inches rainfall or greater (unless such storm ends after 5:00 PM on any Friday or on any non-working Saturday, non-working Sunday or any non-working Federal holiday in which case the inspection shall be completed by the end of the next business day and/or working day, whichever occurs first): (a) disturbed areas of the primary permittee's construction site; (b) areas used by the primary permittee for storage of materials that are exposed to precipitation; and (c) structural control measures, erosion and sediment control measures identified in the Plan applicable to the primary permittee's site shall be observed to ensure that they are operating correctly. Where discharge locations or points are accessible, they shall be inspected to ascertain whether erosion control measures are effective in preventing significant impacts to receiving water(s). For areas of a site that have undergone final stabilization or established a crop of annual vegetation and a seeding of target perennials appropriate for the region, the permittee must comply with Part IV.D.4.a.(4). These inspections must be conducted until a Notice of Termination is submitted.

(4). Certified personnel (provided by the primary permittee) shall inspect at least once per month during the term of this permit (i.e., until a Notice of Termination is submitted to EPD) the areas of the site that have undergone final stabilization or established a crop of annual vegetation and a seeding of target perennials appropriate for the region. These areas shall be inspected for evidence of, or the potential for, pollutants entering the drainage system and the receiving water(s). Erosion and sediment control measures identified in the Plan shall be observed to ensure that they are operating correctly. Where discharge locations or points are accessible, they shall be inspected to ascertain whether erosion control measures are effective in preventing significant impacts to receiving water(s).

(5). Based on the results of each inspection, the site description and the pollution prevention and control measures identified in the Erosion, Sedimentation and Pollution Control Plan, the Plan shall be revised as appropriate not later than seven (7) calendar days following each inspection. Implementation of such changes shall be made as soon as practical but in no case later than seven (7) calendar days following each inspection.

(6). A report of each inspection that includes the name(s) of certified personnel making each inspection, the date(s) of each inspection, construction phase (i.e., initial, intermediate or final), major observations relating to the implementation of the Erosion, Sedimentation and Pollution Control Plan, and actions taken in accordance with Part IV.D.4.a.(5), of the permit shall be made and retained at the site or be readily available at a designated alternate location until the entire site or

that portion of a construction site that has been phased has undergone final stabilization and a Notice of Termination is submitted to EPD. Such reports will be readily available by end of the next business day and/or working day and shall identify all incidents of best management practices that have not been properly installed and/or maintained as described in the Plan. Where the report does not identify any incidents, the inspection report shall contain a statement that the best management practices are in compliance with the Erosion, Sedimentation and Pollution Control Plan. The report shall be signed in accordance with Part V.G.2. of this permit.

A. Reporting.

1. The applicable permittees are required to submit the sampling results to the EPD by the fifteenth day of the month following the reporting period. Reporting periods are months during which samples are taken in accordance with this permit. Sampling results shall be in a clearly legible format. Upon written notification, EPD may require the applicable permittee to submit the sampling results on a more frequent basis. Sampling and analysis of any stormwater discharge(s) or the receiving water(s) beyond the minimum frequency stated in this permit must be reported in a similar manner to the EPD. Sampling reports must be submitted to EPD using the electronic submittal service provided by EPD. Sampling reports must be submitted to EPD until such time as a NOT is submitted in accordance with Part VI.

2. All sampling reports shall include the following information:

- a. The rainfall amount, date, exact place and time of sampling or measurements;
b. The name(s) of the certified personnel who performed the sampling and measurements;
c. The date(s) analyses were performed;
d. The time(s) analyses were initiated;
e. The name(s) of the certified personnel who performed the analyses;
f. References and written procedures, when available, for the analytical techniques or methods used;
g. The results of such analyses, including the bench sheets, instrument readouts, computer disks or tapes, etc., used to determine these results;
h. Results which exceed 1000 NTU shall be reported as "exceeds 1000 NTU;" and
i. Certification statement that sampling was conducted as per the Plan.

3. All written correspondence required by this permit shall be submitted by return receipt certified mail (or similar service) to the appropriate District Office of the EPD according to the schedule in Appendix A of this permit. The permittee shall retain a copy of the proof of submittal at the construction site or the proof of submittal shall be readily available at a designated location from commencement of construction until such time as a NOT is submitted in accordance with Part VI.

A. Retention of Records

1. The primary permittee shall retain the following records at the construction site or the records shall be readily available at a designated alternate location from commencement of construction until such time as a NOT is submitted in accordance with Part VI:

- a. A copy of all Notices of Intent submitted to EPD;
b. A copy of all sampling information, results, and reports required by this permit;
c. The design professional's report of the results of the inspection conducted in accordance with Part IV.A.5. of this permit;
d. A copy of all inspection reports generated in accordance with Part IV.D.4.a. of this permit;
e. A copy of all inspection reports generated in accordance with Part IV.D.4.a. of this permit;
f. A copy of all violation summaries and violation summary reports generated in accordance with Part III.D.2. of this permit; and
g. Daily rainfall information collected in accordance with Part IV.D.4.a.(2), of this permit.

2. Copies of all Notices of Intent, Notices of Termination, inspection reports, sampling reports (including all calibration and maintenance records and all original site chart recordings for continuous monitoring instrumentation), or other reports requested by the EPD, Erosion, Sedimentation and Pollution Control Plans, records of all data used to complete the Notice of Intent to be covered by this permit and all other records required by this permit shall be retained by the permittee who either produced or used it for a period of at least three years from the date that the NOT is submitted in accordance with Part VI of this permit. These records must be maintained at the permittee's primary place of business or at a designated alternate location once the construction activity has ceased at the permitted site. This period may be extended by request of the EPD at any time upon written notification to the permittee.

E,S&PC PLAN DESIGNER

E,S&PC PLANS PREPARED BY CERTIFIED DESIGN PROFESSIONAL:

Lawton H. Harbeson, P.E.

0000001292

LEVEL II CERTIFICATION NO.

2/01/24

EXPIRATION

NOTE: WHEN MONITORING UPSTREAM/DOWNSTREAM, THE ALLOWABLE INCREASE IN TURBIDITY IS 25 NTUS.

APPENDIX B NEPHELOMETRIC TURBIDITY UNIT (NTU) TABLES

Table with columns for Site Size (Acres) and Surface Water Drainage Area (Square Miles) for Cold Water (Trout Stream). Rows include 1.00-10, 10.01-25, 25.01-50, 50.01-100, and 100.01+.

WARM WATER (SUPPORTING WARM WATER FISHERIES)

Table with columns for Site Size (Acres) and Surface Water Drainage Area (Square Miles) for Warm Water (Supporting Warm Water Fisheries). Rows include 1.00-10, 10.01-25, 25.01-50, 50.01-100, and 100.01+.

TO USE THESE TABLES, SELECT THE SIZE (ACRES) OF THE FACILITY OR COMMON DEVELOPMENT. THEN, SELECT THE SURFACE WATER DRAINAGE AREA (SQUARE MILES). THE NTU MATRIX VALUE ARRIVED AT FROM THE ABOVE TABLES IS THE ONE TO USE IN PART III.C.4.

EXAMPLE 1: FOR A SITE SIZE OF 12.5 ACRES AND A COLD WATER DRAINAGE AREA OF 37.5 SQUARE MILES, THE NTU VALUE TO USE IN PART III.C.4 IS 75 NTU.

EXAMPLE 2: FOR A SITE SIZE OF 51.7 ACRES AND A WARM WATER DRAINAGE AREA OF 72 SQUARE MILES, THE NTU VALUE TO USE IN PART III.C.4 IS 100 NTU.

STATEMENT OF COMPLIANCE FOR WASTEWATER DISPOSAL

THERE WILL BE NO SANITARY WASTE GENERATED BY THIS PROJECT.

REMEDATION OF SPILLS OR LEAKS OF PETROLEUM PRODUCTS

A) THE CONTRACTOR SHALL DESIGNATE A SPECIFIC AREA ON SITE WHERE THE REFUELING AND OILING OF EQUIPMENT WILL BE ACCOMPLISHED. THE REFUELING AREA SHALL BE LOCATED AS FAR AWAY AS POSSIBLE FROM ANY WETLANDS, DRAINAGE DITCHES AND OTHER ENVIRONMENTALLY SENSITIVE AREAS.

B) FUEL DISPENSING EQUIPMENT WILL BE INSPECTED AND ANY LEAKING OR MALFUNCTIONING EQUIPMENT WILL BE IMMEDIATELY REPAIRED OR TAKEN OUT OF SERVICE. VEHICLES WILL BE INSPECTED BY THE DRIVER ON A REGULAR BASIS TO DETECT FLUID LEAKS. LEAKING VEHICLES WILL BE REPAIRED IMMEDIATELY.

C) IN THE EVENT OF A SPILL OR LEAK THE CONTRACTOR SHALL IMMEDIATELY REPORT AND REMEDIATE SAME IN ACCORDANCE WITH ALL FEDERAL, STATE, AND LOCAL LAWS.

D) THE CONTRACTOR SHALL INSPECT ALL EQUIPMENT ON SITE DAILY FOR LEAKS AND NOTE SAME IN A PERMANENT REPORT. THE CONTRACTOR SHALL MAKE ALL INSPECTION REPORTS AVAILABLE UPON REQUEST TO THE OWNER'S DESIGNATED SITE INSPECTOR FOR THE MONITORING OF BEST MANAGEMENT PRACTICES.

E) IF OIL ENTERS STATE WATERS OR A CONVEYANCE TO STATE WATERS, IN ANY AMOUNT, IT MUST BE REPORTED TO THE NATIONAL RESPONSE CENTER, 1-800-424-8802 AND TO THE DNR EMERGENCY OPERATION CENTER, 1-800-241-4113.

CONCRETE WASHDOWN AREA

A) THE CONTRACTOR SHALL DESIGNATE A SPECIFIC AREA ON SITE WHERE THE WASH DOWN OF CONCRETE MIXER CHUTES, HOPPERS, TOOLS, AND THE REAR OF VEHICLES WILL BE ACCOMPLISHED. THE WASH DOWN AREA SHALL BE LOCATED AS FAR AWAY AS POSSIBLE FROM ANY WETLANDS, DRAINAGE DITCHES AND OTHER ENVIRONMENTALLY SENSITIVE AREAS.

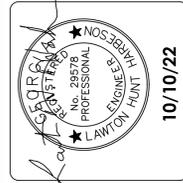
B) THE CONTRACTOR SHALL INSPECT THE WASH DOWN AREA INTERMITTENTLY TO ENSURE PROPER CONTAINMENT IS ACCOMPLISHED.

C) IN THE EVENT OF A SPILL OR LEAK THE CONTRACTOR SHALL IMMEDIATELY REPORT & REMEDIATE SAME IN ACCORDANCE WITH ALL FEDERAL, STATE AND LOCAL LAWS.

D) WASH OUT OF THE DRUM AT THE CONSTRUCTION SITE IS PROHIBITED.

REVISION BLOCK

Table with columns for Description, Date, and By.



10/10/22

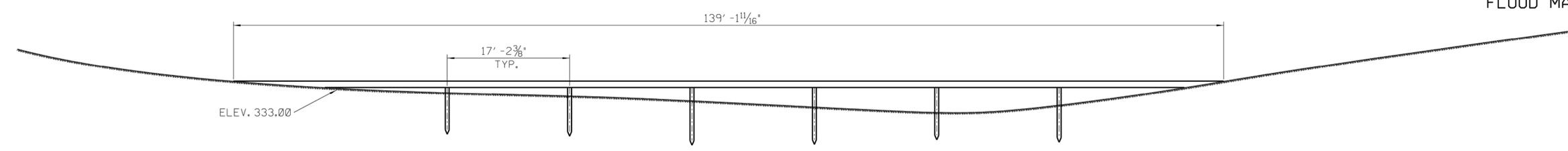
CIVILDESIGN SOLUTIONS logo and contact information: 706.465.0900 OFFICE, 706.465.0908 FAX, 371 MAIN STREET, P.O. BOX 603, WARRENTON, GA 30828, civildesignsolutions.com

E,S&PC NOTES & DETAILS THIELE KAOLIN COMPANY LS-SV PIPELINE REPLACEMENT WASHINGTON COUNTY, GEORGIA

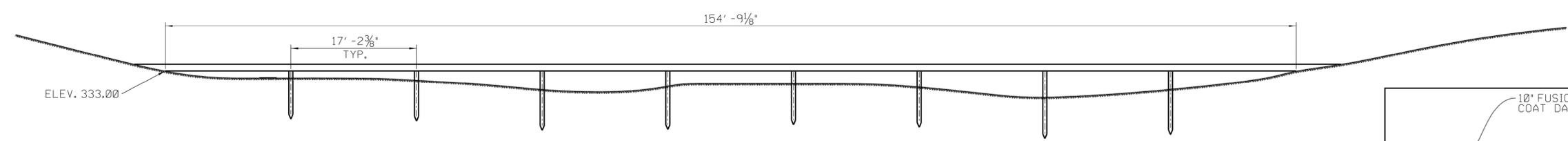
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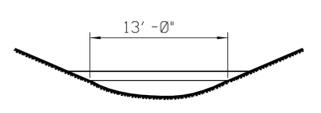
FLOOD MAP



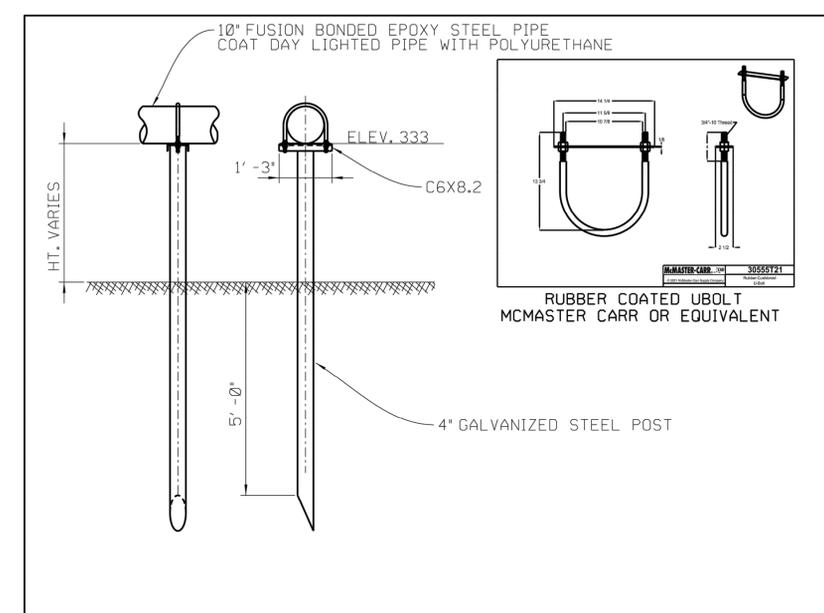
LIMESTONE CROSSING 1



LIMESTONE CROSSING 2



LIMESTONE CROSSING 3



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						<b>Thiele</b>		Thiele Koolin Company P.O. Box 1056 Sondersville, GA 31082	
						TITLE <b>LS TO SV PIPELINE REPLACEMENT</b> LIMESTONE CREEK CROSSING			
DRAWN		DATE	SCALE	DEPARTMENT		ENGINEER		APPROVED	WORK ORDER NO.
BW		8/18/22	1/8"=1'-0"	GENERAL		BW			90650022
APPROVED		NO.	W.O.	BY	DATE	REVISION		DRAWING NO.	
								LSA154	