

UNION COUNTY
GOVERNMENT

34.769902°, -83.884670

BLAIRSVILLE, GA 30512

34.770037 NORTH

-83.884256 WEST

N/A

PROJECT TRACT	- ACRES	DISTURBED AREA	0.3 ACRES
---------------	---------	----------------	-----------



OWNER / DEVELOPER
UNION COUNTY GOVERNMENT
65 COURTHOUSE STREET, P.O. BOX 1
BLAIRSVILLE, GA 30512
CONTACT: 706.439.6000
24-HOUR CONTACT: HAROLD COLLINS
UCCOMMISSIONER@UNIONGOV.COM

STRUCTURAL ENGINEER
SHEATS STRUCTURAL CONSULTING,
INC.
P.O. BOX 1775
WINDER, GA 30680
CONTACT: 770-868-9000
REED SHEATS

CIVIL ENGINEER
CARTER ENGINEERING CONSULTANTS, INC.
1010 COMMERCE DR
BOGART, GA 30622
CONTACT: 770.725.1200
BRIAN KIMSEY, P.E.
BRIAN@CARTERENGINEERING.COM

SURVEYOR
CARTER ENGINEERING CONSULTANTS
1010 COMMERCE DRIVE
BOGART, GA 30622
CONTACT: 770.725.1200
MICHEAL FOLEY, #3346

The logo for Carter Engineering features a stylized 'C' and 'E' in a dark blue-grey color, followed by the word 'CARTER' in a bold, dark blue-grey sans-serif font, and 'ENGINEERING' in a smaller, dark blue-grey sans-serif font below it.

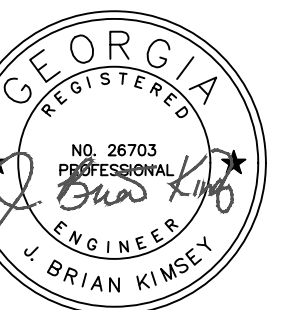
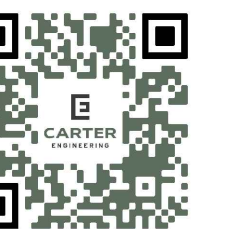
REVISION BLOCK	
REVISION NUMBER	REVISION DATE & DESCRIPTION
ISSUE 1	08.21.26 - INITIAL SUBMITTAL
ISSUE 2	----
ISSUE 3	----
ISSUE 4	----
ISSUE 5	----
ISSUE 6	----
ISSUE 7	----
ISSUE 8	----
ISSUE 9	----
ISSUE 10	----

THIS DRAWING AND ALL THE INFORMATION CONTAINED HEREIN IS THE PROPERTY OF CARTER ENGINEERING CONSULTANTS, INC. AND IS TO BE RETAINED IN CONFIDENCE. WITHOUT WRITTEN PERMISSION OF AN OFFICER OF CARTER ENGINEERING CONSULTANTS, INC. THIS PLAN IS NOT TO BE DUPLICATED, SENT, SHOWN OR USED FOR ANY OTHER PURPOSE THAN TO DISCLOSE TO THE RECIPIENT A DESIGN CONCEPT SPECIFIC TO THE PROJECT SHOWN HEREIN. THIS PLAN SET, INCLUDING ALL HARD COPIES AND ELECTRONIC FILES, IS TO BE RETURNED TO CARTER ENGINEERING CONSULTANTS, INC. UPON DEMAND.

1.	THE ENGINEER IS NOT RESPONSIBLE FOR COST CHANGES DURING CONCEPT, PRELIMINARY, OR DESIGN PHASE.
2.	BIDS & QUOTES SHALL BE BASED ON PLAN SETS LABELED "ISSUE FOR BID" ON THE REVISION BLOCK.
3.	BIDS & QUOTES SHALL BE REVISED BASED ON PLAN LABELED "ISSUE FOR CONSTRUCTION" ON THE REVISION BLOCK.
4.	DESIGN CHANGES DURING CONSTRUCTION DURING CONSTRUCTION SHALL BE BASED ON DEVIATION FROM THIS PLAN SET. THE ENGINEER SHOULD BE NOTIFIED FOR UPDATED PLANS AND/OR FIELD CHANGES.
5.	THE ENGINEER IS NOT RESPONSIBLE FOR DESIGN OR CONSTRUCTION COST ASSOCIATED WITH FIELD CHANGES OR DEVIATION FROM THIS PLAN SET DUE TO UNFORESEEN SITE CONDITIONS, CLIENT MODIFICATION REQUEST AND/OR CONTRACTOR CHANGES.
6.	THE ENGINEER IS NOT RESPONSIBLE FOR THE EFFICACY OF FIELD CHANGES OR DEVIATION FROM THIS PLAN SET IN ANYWAY, UNLESS CHANGES ARE DIRECTED BY THE ENGINEER.

QUARTER ENGINEERING
1010 COMMERCE DRIVE
DODD, GA 30622

770.725.1200
www.carterengineering.com



SWCC Level II Certification
No. 000000003007

SITE DEVELOPMENT PLANS FOR

34.769902° , -83.884670 - BLAIRSVILLE, GA 30512

21/03/2025, 03:00:00

CIVIL ENGINEERING | LANDSCAPE ARCHITECTURE | LAND PLANNING | LAND SURVEYING | MUNICIPAL SERVICES

SHEET TITLE:

COVER

SHEET NUMBER:

1.0

PROJECT NUMBER:

25011UCGD

DATE:

8.21.26

CONSTRUCTION NOTES

1. 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. ANY DISCREPANCY SHALL BE IMMEDIATELY REPORTED TO THE OWNER OR HIS REPRESENTATIVE.
2. NOTIFY THE INSPECTOR OF THE LOCAL GOVERNING AUTHORITY 24 HOURS BEFORE EVERY PHASE OF CONSTRUCTION.
3. ALL WORK SHALL COMPLY WITH ALL APPLICABLE LOCAL, STATE, AND FEDERAL CODES. ALL NECESSARY LICENSES AND PERMITS SHALL BE OBTAINED BY THE CONTRACTOR, AT HIS EXPENSE, UNLESS ALREADY OBTAINED BY THE OWNER.
4. THE CONTRACTOR SHALL COORDINATE LOCATION AND INSTALLATION OF ALL UNDERGROUND UTILITIES AND APPURTENANCES TO MINIMIZE DISTURBING CURBING, PAVING, AND ALL OTHER UTILITIES.
5. THE EXISTING UTILITIES SHOWN ARE FOR THE CONTRACTOR'S CONVENIENCE ONLY. THERE MAY BE OTHER UTILITIES NOT SHOWN ON THESE DRAWINGS. THE UTILITIES SHOWN ARE THOSE LOCATED BY THE SURVEYOR OF RECORD. THE ENGINEER ASSUMES NO RESPONSIBILITY FOR THE LOCATION OF THE UTILITIES SHOWN. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO VERIFY THE LOCATIONS OF ALL UTILITIES WITHIN THE LIMITS OF WORK. ALL DAMAGE MADE TO EXISTING UTILITIES BY THE CONTRACTOR SHALL BE THE SOLE RESPONSIBILITY OF THE CONTRACTOR.
6. DEVIATIONS FROM THESE PLANS AND SPECIFICATIONS WITHOUT PRIOR CONSENT OF THE ENGINEER AND THE MUNICIPALITY MAY CAUSE FOR THE WORK TO BE UNACCEPTABLE.
7. ALL MATERIALS SHALL BE NEW UNLESS USED OR SALVAGED MATERIALS ARE AUTHORIZED BY THE OWNER.
8. THE CONTRACTOR SHALL FURNISH AND MAINTAIN ALL NECESSARY BARRICADES AROUND THE WORK AND SHALL PROVIDE PROTECTION AGAINST WATER DAMAGE AND SOIL EROSION.
9. ALL WORK SHALL BE PERFORMED IN A FINISHED AND WORKMANLIKE MANNER TO THE ENTIRE SATISFACTION OF THE OWNER, AND IN ACCORDANCE WITH THE BEST RECOGNIZED TRADE PRACTICES.
10. THE CONTRACTOR SHALL PROVIDE SHEETING AND SHORING FOR ALL TRENCH CONSTRUCTION IN ACCORDANCE WITH OSHA GUIDELINES.
11. ALL PIPE LENGTHS SHOWN ARE TO THE CENTERLINE OF THE STRUCTURES UNLESS SPECIFICALLY NOTED.
12. PIPES (STORM AND SANITARY SEWER) SHALL BE LAID ON SMOOTH, CONTINUOUS GRADES WITH NO VISIBLE BENDS AT THE JOINTS.
13. BEDDING REQUIREMENTS SPECIFIED HEREIN ARE TO BE CONSIDERED AS MINIMUM REQUIRED FOR RELATIVELY DRY STABLE EARTH CONDITIONS. ADDITIONAL BEDDING SHALL BE REQUIRED FOR ROCK TRENCHES TO PROVIDE SUCH ADDITIONAL BEDDING AS REQUIRED TO PROPERLY CONSTRUCT WORK.
14. ALL STORM DRAINAGE INLET STRUCTURES SHALL HAVE METAL RING AND COVER FOR ACCESS.
15. ALL ANGLES SHOWN ARE 90 DEGREES UNLESS SHOWN OTHERWISE.
16. ALL GRADES SHOWN ARE FINISHED GRADES. CONTRACTOR SHALL VERIFY DIMENSIONS, GRADES, AND EXISTING ELEVATIONS PRIOR TO CONSTRUCTION.
17. CONCRETE CURBS SHALL BE CONSTRUCTED IN ACCORDANCE WITH THE DETAILS SHOWN ON PLANS. MATERIALS, EQUIPMENT, METHODS OF CONSTRUCTION AND WORKMANSHIP SHALL CONFORM TO STATE D.O.T. STANDARD SPECIFICATIONS.
18. ALL CONCRETE SHALL HAVE 3000 PSI COMPRESSIVE STRENGTH AFTER 28 DAYS, WITH A MAXIMUM SLUMP OF FOUR (4) INCHES, UNLESS SPECIFIED OTHERWISE.
19. ALL EXPOSED CONCRETE SHALL HAVE A FINE HAIR BROOMED FINISH.
20. PARKING AND DRIVEWAY BASE COURSE AND ASPHALTIC CONCRETE SURFACE AND PRIME MATERIALS, EQUIPMENT, METHODS FOR CONSTRUCTION AND WORKMANSHIP SHALL CONFORM TO STATE D.O.T. STANDARD SPECIFICATIONS.
21. CONTRACTOR TO FIELD VERIFY ALL STORM, SANITARY, WATER AND OTHER UTILITIES LOCATIONS AND INVERTS PRIOR TO INSTALLATION OF ANY UTILITIES. NOTIFY ENGINEER PRIOR TO PROCEEDING WITH ANY WORK IF DISCREPANCIES FOUND.
22. THE USE OF CONCRETE THRUST BLOCKS FOR THE INSTALLATION OF WATER MAINS IS STRICTLY PROHIBITED. PRESSURE PIPE FITTINGS AND OTHER ITEMS REQUIRING RESTRAINT SHALL BE RESTRAINED USING METHODS SPECIFIED AND APPROVED BY COUNTY/CITY TECHNICAL STANDARDS, SPECIFICATIONS AND REGULATIONS. THE PREFERRED METHOD OF RESTRAINT IS THROUGH THE USE OF "MEGA-LUGS" OR "MUR" DEVICES.
23. ALL DIMENSIONS ARE MEASURED TO THE BACK OF CURB UNLESS OTHERWISE NOTED.

EARTHWORK SPECIFICATIONS

CLEARING AND GRUBBING

1. CLEARING AND GRUBBING SHALL CONSIST OF CLEARING THE SURFACE OF THE GROUND OF THE DESIGNATED AREAS OF ALL TREES, LOGS, SNAGS, BRUSH, UNDERGROWTH, HEAVY GROWTH OF GRASS, WEEDS, FENCE STRUCTURES, DEBRIS AND RUBBISH OF ANY NATURE. NATURAL OBSTRUCTIONS SUCH AS OBJECTIONABLE SOIL MATERIAL UNSATISFACTORY FOR FOUNDATIONS. IT SHALL ALSO CONSIST OF GRUBBING OF STUMPS, ROOTS FOUNDATIONS AND DISPOSAL OF ALL SUCH MATERIAL. ALL HOLES REMAINING AFTER THE GRUBBING OPERATION IN EMBANKMENT AREAS AND IN EXCAVATION AREAS LESS THAN TWO (2) FEET IN DEPTH, SHALL HAVE SIDES BROKEN DOWN AND LEVELED IF NECESSARY TO FLATTEN OUT SLOPES, REFILLED WITH ACCEPTABLE MATERIAL THAT IS PROPERLY COMPACTED IN LAYERS BY TAMPERS, ROLLERS OR CONSTRUCTION EQUIPMENT.
2. BURNING ON SITE IS NOT PERMITTED WITHOUT WRITTEN APPROVAL OF THE LOCAL GOVERNING AUTHORITIES HAVING JURISDICTION.

EXISTING TREES OUTSIDE OF GRADING LIMITS LINE:

1. TREES AND VEGETATION TO BE SAVED SHALL BE PROTECTED FROM DAMAGE BY A FENCE BARRICADE PRIOR TO, OR DURING, CLEARING OPERATIONS. TREES TO BE REMOVED FROM THE AREA OUTSIDE THE LIMITS OF GRADING OR FROM SPECIFICALLY DESIGNATED AREAS WITHIN THE CONSTRUCTION AREAS. IF, IN THE OPINION OF THE ENGINEER, A CONTRACTOR DAMAGES A TREE NOT TO BE REMOVED, THE CONTRACTOR WILL BE FINED A PREDETERMINED AMOUNT FOR EACH DAMAGED TREE. THE CONTRACT SHALL ALSO BE RESPONSIBLE FOR ALL COSTS ASSOCIATED IN REMOVING THE DAMAGED TREE FROM THE SITE.

FILL:

1. ALL VEGETATION SUCH AS ROOTS, BRUSH, HEAVY GROWTH OF GRASS, TOPSOIL, ALL DECAYED VEGETABLE MATTER, RUBBISH, AND OTHER UNSUITABLE MATERIAL WITHIN THE AREA UPON WHICH FILL IS TO BE PLACED SHALL BE STRIPPED OR BE OTHERWISE REMOVED BEFORE THE FILL OPERATION IS STARTED. IN NO CASE SHALL UNSUITABLE MATERIAL REMAIN IN OR UNDER THE FILL AREA. SLOPED GROUND SURFACE STEEPER THAN ON VERTICAL TO FOUR HORIZONTAL, ON WHICH FILL IS TO BE PLACED, SHALL BE PLACED, STEPPED OR BENCHED IN SUCH A MANNER THAT THE FILL TO BE PLACED SHALL BE 97 PERCENT OF THE MAXIMUM LABORATORY DRY DENSITY ACCORDING TO STANDARD PROCTOR (AASHTO T99, ASTM D-698). MOISTURE CONTENT SHALL BE WITHIN 3 PERCENT OF THE OPTIMUM MOISTURE CONTENT. PROOF ROLL THE AREAS TO BE FILLED OR ON WHICH STRUCTURES ARE TO BE PLACED. A LOADED DUMP TRUCK OR OTHER RUBBER Tired EQUIPMENT SHALL BE USED FOR PROOF ROLLING. OVERLAPPING PASSES OF A VEHICLES SHOULD BE MADE ACROSS THE SITE IN ONE DIRECTION AND THEN PERPENDICULAR TO THE ORIGINAL DIRECTION OF ROLLING.
2. ANY YIELDING, PUMPING OR SOFT AREAS SHOULD BE CUT OUT AND REPLACED WITH FILL COMPACTED AS DESCRIBED HEREIN.
3. THE PROPOSED FILL SHOULD BE LIMITED TO SOILS CLASSIFIED IN ACCORDANCE WITH ASTM D-2487 AS GM, GC, SW, SM, SC, ML AND CL. SOIL CLASSIFIED AS PT, OH, OL, CH AND MH ARE NOT SATISFACTORY AS COMPACTED FILL.
4. FILLS AND EMBANKMENTS SHALL BE CONSTRUCTED AT THE LOCATIONS AND TO THE LINES AND GRADES INDICATED ON CONSTRUCTION PLANS. THE SLOPE SHALL NOT EXCEED 2 FOOT HORIZONTAL TO 1 FOOT VERTICAL (2 FOOT HORIZONTAL TO 1 FOOT VERTICAL IN THE PUBLIC RIGHT OF WAY). THE COMPLETED FILL SHALL CORRESPOND TO THE SHAPE OF THE TYPICAL SECTIONS INDICATED ON THE CONSTRUCTION PLANS. MATERIAL REMOVED FROM THE EXCAVATION SHALL BE USED IN FORMING THE FILL. FILL MATERIAL SHALL BE REASONABLY FREE FROM ROOTS, OTHER ORGANIC MATERIAL, TRASH AND STONES HAVING MAXIMUM DIMENSIONS GREATER THAN 6 INCHES (4 INCHES IN TRENCHES FOR UTILITIES). NO FROZEN MATERIAL WILL BE PERMITTED IN THE FILL. STONES HAVING A MAXIMUM DIMENSION OF 4 INCHES WILL NOT BE PERMITTED IN THE UPPER SIX INCHES OF FILL OR EMBANKMENT OR UTILITY TRENCH. THE MATERIAL SHALL BE PLACED IN SUCCESSIVE HORIZONTAL LAYERS NOT MORE THAN 8 INCHES THICK, UNLESS OTHERWISE NOTED. IN LOOSE DEPTH FOR THE WIDTH OF THE CROSS-SECTION AND SHALL BE COMPACTED TO AT LEAST 97 PERCENT OF THE MAXIMUM LABORATORY DRY DENSITY ACCORDING TO STANDARD PROCTOR (ASTM D-698, AASHTO T-99). MOISTURE SHALL BE WITHIN 3 PERCENT OF THE OPTIMUM MOISTURE CONTENT. THE TOP 12 INCHES OF THE PAVING, PARKING AND/OR ROADWAY SUB-GRADE SHALL BE COMPACTED TO 97 PERCENT OF THE MAXIMUM DRY DENSITY (STANDARD PROCTOR). EACH LIFT SHALL BE ROLLED WITH A VIBRATORY ROLLER. A SHEEPSFOOT ROLLER, OR A LOADED RUBBER Tired DUMP TRUCK, SCRAPER OR LOADER. IF THE SOIL IS TOO DRY, A WATER TRUCK WITH SPREADER BAR OR SPRAY HOSE SHALL BE USED TO BRING THE SOIL TO THE PROPER MOISTURE RANGE. THE WATER SHALL BE THOROUGHLY AND PROPERLY MIXED WITH THE SOIL PRIOR TO COMPACTION.
5. STORM DRAIN PIPES SHALL BE PLACED ON FIRM BOTTOM AND HAND TAMPED TO SAFE UP THE PIPE. A CUSHION OF SOIL SHALL BE TAMPED ABOVE THE CROWN OF THE PIPE IN ACCORDANCE WITH THE PIPE MANUFACTURER'S RECOMMENDATIONS SO THAT THE HEAVIER COMPACTION EQUIPMENT CAN THEN BE USED TO BRING THE SOIL TO A DENSITY AS DESCRIBED ABOVE FOR FILL AREAS.
6. IF SOILS INVESTIGATION REPORT IS PROVIDED, THEN FOLLOW THE RECOMMENDATIONS OF THE REPORT IF THEY EXCEED THE RECOMMENDATIONS OF THESE SPECIFICATIONS.

TOPSOIL:

1. UNLESS OTHERWISE SPECIFIED, AREAS DESIGNATED FOR GRADING OPERATIONS THAT CONTAIN A BLANKET OF TOPSOIL SHALL BE STRIPPED AND PLACED IN CONVENIENT STOCKPILES FOR LATER USE AS A TOPSOIL BLANKET ON THE NEW GRADED AREAS SPECIFIED HEREIN, OR AS DESIGNATED. TOPSOIL SHALL BE STRIPPED FROM ALL AREAS DESIGNATED TO RECEIVE FILL. THE STRIPPING OF MATERIAL FOR TOPSOIL SHALL BE CAREFULLY DETERMINED AND ONLY THE QUANTITY REQUIRED SHALL BE STOCKPILED. MATERIAL STOCKPILED SHALL BE STORED IN A SATISFACTORY MANNER TO AFFORD PROPER DRAINAGE WHEN GRADING OPERATIONS PERMIT, INSTEAD OF STOCKPIILING, THE TOPSOIL SHALL BE HAULED AND SPREAD DIRECTLY ON THE AREAS DESIGNATED TO RECEIVE TOPSOIL.

ROCK EXCAVATION:

1. IF ROCK IS ENCOUNTERED, CLEAR AWAY EARTH TO EXPOSE MATERIAL. NOTIFY OWNER AND RECEIVE WRITTEN INSTRUCTIONS PRIOR TO EXCAVATION. REMOVE ROCK TO A DEPTH OF 6 INCHES BELOW AND 8 INCHES ON EACH SIDE OF PIPES IN TRENCHES. A MEASUREMENT OF EXTENT OF ROCK TO BE REMOVED SHALL BE MADE. ROCK EXCAVATION SHALL BE PAID FOR IN ACCORDANCE WITH AGREEMENT WITH THE OWNER.

DEMOLITION NOTES

EXISTING STRUCTURES & FACILITIES:

1. THE LOCATIONS OF ALL EXISTING FACILITIES SHOWN ON THIS PLAN HAVE BEEN DETERMINED FROM THE BEST INFORMATION AVAILABLE AND ARE GIVEN FOR THE CONVENIENCE OF THE OWNER, THE ENGINEER / LANDSCAPE ARCHITECT ASSUMES NO RESPONSIBILITY FOR THEIR ACCURACY. PRIOR TO THE START OF ANY DEMOLITION ACTIVITY, THE CONTRACTOR SHALL NOTIFY THE UTILITY COMPANIES FOR ON-SITE LOCATIONS OF EXISTING UTILITIES.
2. THE CONTRACTOR SHALL FURNISH ALL MATERIALS, LABOR, SUPERVISION AND EQUIPMENT REQUIRED FOR THE ORDERLY DEMOLITION AND REMOVAL OF EXISTING STRUCTURES, PAVEMENT, AND UTILITIES AS SHOWN ON THE DRAWINGS AND DESCRIBED HEREIN.
3. THE CONTRACTOR IS REQUIRED TO FAMILIARIZE HIM/HERSELF WITH THE STRUCTURES TO BE DEMOLISHED. A BRIEF DESCRIPTION OF THE STRUCTURES PROPOSED TO BE INSTALLED AND DEMOLISHED ARE INCLUDED FOR THE CONTRACTOR'S CONVENIENCE ONLY.
4. THE FOLLOWING LIST OF STRUCTURES REQUIRING DEMOLITION IS INCLUDED FOR THE CONTRACTOR'S CONVENIENCE ONLY. THE DRAWINGS INDICATE THE SCOPE OF THE DEMOLITION WHERE DEMOLITION IS REQUIRED (SEE CORRESPONDING PLANS):
 - 4.1. DEMOLITION AND REMOVAL OF EXISTING ON-SITE ASPHALT, CONCRETE, PAVING, AND CURBING TO LIMITS OF DISTURBANCE/DEMOLITION AS SHOWN ON THE CORRESPONDING PLANS. CONTRACTOR TO VERIFY AND COORDINATE ANY DISCREPANCIES AND/OR CONCERNS WITH ENGINEER/LANDSCAPE ARCHITECT ACCORDINGLY.
5. ALL ON-SITE UNDERGROUND STRUCTURES AND PIPING MUST BE COMPLETELY REMOVED AND OVER-EXCAVATED BY A MINIMUM OF 12" BENEATH THE STRUCTURES. CONTRACTOR SHALL USE APPROVED FILLING MATERIAL FOR FILLING THESE AREAS. FILL SHALL BE CLEAN WITH LESS THAN 50% PASSING THE #200 SIEVE, PLASTICITY INDEX LESS THAN 10, WITH MAXIMUM PARTICLE SIZE OF 1.25 INCHES, AND SHALL BE PLACED IN LOOSE LIFTS NOT EXCEEDING 8 INCHES IN THICKNESS AND COMPACTED TO AT LEAST 98% OF THE MODIFIED PROCTOR MAXIMUM DRY DENSITY (AASHTO T99).
6. ALL EXISTING STRUCTURES, PAVEMENTS, SLABS, FOUNDATIONS, STEPS AND OTHER EXISTING FEATURES INDICATED ON THE DRAWINGS TO BE REMOVED SHALL BE DEMOLISHED AND REMOVED BY THE CONTRACTOR. REMOVE NO STRUCTURE SUBSTANTIALLY AS A WHOLE. DEMOLISH COMPLETELY ON THE PREMISES.
7. ALL EXISTING SEWERS, PIPING, UTILITIES SHOWN ARE NOT TO BE INTERPRETED AS THE EXACT LOCATION, OR AS THE ONLY OBSTACLES THAT MAY OCCUR ON THE SITE. CONTRACTOR SHALL VERIFY EXISTING CONDITIONS AND PROCEED WITH CAUTION AROUND ANY ANTICIPATED FEATURES. CONTRACTOR SHALL GIVE NOTICE TO ALL UTILITY COMPANIES REGARDING DESTRUCTION AND REMOVAL OF ALL SERVICE LINES AND CAP ALL LINES BEFORE PROCEEDING WITH THE WORK.
8. CONTRACTOR SHALL PROVIDE ADEQUATE PROTECTION FOR PERSON AND PROPERTY AT ALL TIMES. HE OR SHE SHALL EXECUTE THE WORK IN A MANNER THAT AVOIDS HAZARDS TO PERSONS AND PROPERTY, AND THAT PREVENTS INTERFERENCE WITH THE USE AND ACCESS TO ADJACENT PROPERTIES, BUILDINGS, AND ADJACENT STREETS. STREETS AND SIDEWALKS SHALL NOT BE BLOCKED BY DEBRIS AND EQUIPMENT.
9. CONTRACTOR MUST STOP OPERATION AND NOTIFY THE OWNER FOR PROPER DIRECTION IF ANY ENVIRONMENTAL OR HEALTH RELATED CONTAMINATE IS ENCOUNTERED DURING THE DEMOLITION AND/OR EXCAVATION PROCESS.

DISPOSAL:

10. REMOVE AND LEGALLY DISPOSE OF ALL OTHER RUBBISH, RUBBLE, AND DEBRIS. ALL REFUSE AND MISCELLANEOUS ITEMS TO BE REMOVED, THAT ARE NOT TO BE STOCKPILED FOR LATER USE ON THE PROJECT OR DELIVERED TO THE OWNER, SHALL BE LEGALLY DISPOSED OF OFF-SITE BY THE CONTRACTOR IN ACCORDANCE WITH ANY AND ALL APPLICABLE LAWS, STANDARDS, AND REGULATIONS SET FORTH BY LOCAL, STATE, AND FEDERAL OFFICIALS THAT GOVERN THE DISPOSAL OF WASTE AND DEBRIS.

PAVEMENT REMOVAL:

11. WHERE EXISTING PAVEMENT IS TO BE REMOVED, CONTRACTOR SHALL SAW-CUT THE SURFACING LEAVING A UNIFORM AND STRAIGHT EDGE WITH THE MINIMAL DISTURBANCE POSSIBLE TO THE REMAINING ADJACENT SURFACING. IF CONSTRUCTION RESULTS IN RAVELING OF THE SAW-CUT SURFACE, RECUT BACK FROM THE RAVELED EDGE PRIOR TO RESTORATION.
12. WHERE EXISTING PAVEMENT, CURB, CURB AND GUTTER, SIDEWALK, DRIVEWAY OR VALLEY GUTTER IS TO BE REMOVED FOR THE PURPOSE OF CONSTRUCTION OR REMOVING BOX CULVERTS, PIPE, INLETS, MANHOLES, APPURTENANCES, FACILITIES OR STRUCTURES, SAID PAVEMENT, ETC., THE SAID OR PROPOSED STRUCTURE SHALL BE REPLACED AND RESTORED IN EQUAL OR BETTER CONDITION THAN THE ORIGINAL. THE CONTRACTOR SHALL PROVIDE ALL NECESSARY LABOR, MATERIALS, EQUIPMENT, TOOLS, SUPPLIES, AND ANY OTHER NECESSARY EQUIPMENT AS REQUIRED BY PROJECT AND SITE REQUIREMENTS.

ACCESS:

13. CONTINUOUS ACCESS SHALL BE MAINTAINED FOR THE SURROUNDING PROPERTIES AT ALL TIMES DURING THE DEMOLITION PROCESS OF THE EXISTING FACILITIES AND SITE.

PERMITTING:

14. IT IS THE CONTRACTOR'S RESPONSIBILITY TO OBTAIN ANY REQUIRED PERMITTING FOR DEMOLITION FROM THE RESPONSIBLE AUTHORITIES AND REGULATIONS AND FULLY ACKNOWLEDGE AND COMPLY WITH ALL REQUIREMENTS PRIOR TO COMMENCING OF DEMOTION WORK.
15. IT IS THE CONTRACTOR'S SOLE RESPONSIBILITY TO DETERMINE THE EXTENT OF DEMOLITION REQUIRED IN ORDER TO PERFORM THE CONTRACT WORK FOR THIS PROJECT. THE CONTRACTOR SHALL CONDUCT SITE VISITS AND SHALL EXAMINE ALL OF THE INFORMATION WITHIN THESE DOCUMENTS AND ALL DISCREPANCIES AND/OR OMISSIONS SHALL BE BROUGHT TO THE ATTENTION OF THE LEAD ENGINEER/ARCHITECT PRIOR TO BID SUBMITTAL.
16. CONTRACTOR SHALL LIMIT ALL DEMOLITION ACTIVITY TO THAT AREA DELINEATED IN THE DRAWING AND APPROVED BY OFFICIALS.
17. ALL OTHER EXISTING UTILITIES INCLUDING BUT NOT LIMITED TO STORM DRAINAGE, GAS, ELECTRIC, TELEPHONE, AND WATER & SEWER SHALL BE PRESERVED AND PROTECTED AT ALL TIMES AS NEEDED AND AS REQUIRED.

STAKING AND SURVEYING NOTES

STAKING:

1. THE CONTRACTOR SHALL PERFORM ALL CONSTRUCTION STAKING AND CONSTRUCTION ACTIVITIES BASED ON THE LATEST APPROVED DESIGN PLANS AND/OR DESIGN FILE(S) AS PROVIDED AND AS WARRANTED BY CLIENT AND PROJECT NEEDS.
2. PRIOR TO COMMENCING CONSTRUCTION STAKING OR CONSTRUCTION ACTIVITIES, THE CONTRACTOR AND/OR STAKING SURVEYOR SHALL CONFIRM WITH THE PROJECT LEAD ENGINEER/ARCHITECT, WHO'S RESPONSIBLE FOR THIS PROJECT, THAT THE LATEST PLANS AND/OR DESIGN FILE(S) ARE BEING UTILIZED.
3. THE ENGINEER/LANDSCAPE ARCHITECT IS NOT RESPONSIBLE FOR OWNERS, CONTRACTORS OR SURVEYORS STAKING OR PERFORMING CONSTRUCTION ACTIVITIES BASED ON OUT-OF-DATE DESIGN PLANS AND/OR DESIGN FILES.
4. CONSTRUCTION STAKING SHALL ADHERE TO THE HORIZONTAL AND VERTICAL DATUM LISTED IN THIS CONSTRUCTION SET AND AS PROVIDED IN THE CORRESPONDING FILES, NOTES, AND/OR DRAWINGS.

TOLERANCES & DISCREPANCIES:

5. IF, DURING CONSTRUCTION STAKING OR CONSTRUCTION ACTIVITIES, SURVEY DISCREPANCIES ARE ENCOUNTERED WITH REGARD TO THE DESIGN PLANS OR DESIGN FILE, WORK SHOULD CEASE AND THE LEAD ENGINEER/LANDSCAPE ARCHITECT SHOULD BE NOTIFIED IMMEDIATELY TO RESOLVE THE ISSUE OR ISSUES. THE ENGINEER / LANDSCAPE ARCHITECT CAN NOT BE HELD RESPONSIBLE OR LIABLE FOR ISSUES THAT THEY HAVE NOT RECEIVED NOTIFICATION.
6. THE CONSTRUCTION TOLERANCES SHOWN IN THE CORRESPONDING DRAWINGS, NOTES, AND/OR FILES, IN GENERAL, REPRESENT INDUSTRY STANDARDS. HOWEVER, EXCEPTIONS CAN BE MADE IF IT IS DETERMINED THAT CERTAIN DEVIATED CONSTRUCTION ACTIVITIES DO NOT ADVERSELY AFFECT THE DESIGN REQUIREMENTS OR FUNCTIONALITY. THE LEAD ENGINEER/LANDSCAPE ARCHITECT WILL EVALUATE CONSTRUCTION ACTIVITIES THAT DEVIATE FROM THE DESIGN PLANS ON A CASE-BY-CASE BASIS. IF IT IS DETERMINED THAT THE CERTAIN DEVIATED CONSTRUCTION ACTIVITIES DO ADVERSELY AFFECT THE DESIGN REQUIREMENTS, FUNCTIONALITY, AND INTENT OF THE PROJECT, THE CONTRACTOR SHALL BE RESPONSIBLE FOR REPLACING OR REPAIRING ALL ITEMS TO THE PLANS AND SPECIFICATIONS AS DETERMINED AND REQUIRED BY DESIGN PROFESSIONAL, AT THE CONTRACTOR'S EXPENSE.

CIVIL ENGINEERING DESIGN TOLERANCES FOR PROJECT:

GENERAL GRADING:	±0.10 FEET	RETAINING WALLS:	±0.05 FEET
ALL PIPE/CONDUITS:	±0.05 FEET	SITE FEATURES (SPOT ELEV., ETC.)	±0.05 FEET
DRAINAGE STRUCTURES:	±0.05 FEET	UTILITY ELEVATIONS:	±0.10 FEET
SANITARY SEWER STRUCTURES:	±0.05 FEET	EROSION CONTROL BMPs:	±0.05 FEET
STORMWATER POND FEATURES:	±0.05 FEET		

AS-BUILT & SPECIFICATIONS:

7. THE ENGINEER/LANDSCAPE ARCHITECT SHOULD BE PROVIDED WITH AN AS-BUILT SURVEY OF THE PROJECT FOR REVIEW AND APPROVAL AFTER THE PROJECT IS COMPLETE. CONTRACTOR IS RESPONSIBLE FOR COORDINATING EFFORTS WITHIN DESIGN PROFESSIONAL'S RESPONSIBILITY.
8. SEE THE PROJECT SPECIFICATIONS FOR ADDITIONAL SITE SPECIFIC REQUIREMENTS REGARDING CONSTRUCTION, MATERIALS, TESTING, AND CERTIFICATIONS.

PROJECT GEOGRAPHICAL INFORMATION

PROJECT PROJECTION & DATUM:

HORIZONTAL DATUM:	NAD83 GEORGIA STATE PLANES, WEST ZONE, US FOOT
VERTICAL DATUM:	NORTH AMERICAN VERTICAL DATUM OF 1988 (NAVD88)
BOUNDARY SURVEY:	
SURVEYOR NAME:	-
DATE OF SURVEY:	-
TRACT OR PARCEL:	-
HORIZONTAL DATUM:	NAD83 GEORGIA STATE PLANES, WEST ZONE, US FOOT
VERTICAL DATUM:	NORTH AMERICA VERTICAL DATUM OF 1988 (NAVD88)

TOPOGRAPHIC SURVEY:

SURVEYOR NAME:	MICHAEL FOLEY, #3346
DATE OF SURVEY:	05.13.2026
TRACT OR PARCEL:	*
HORIZONTAL DATUM:	NAD83 GEORGIA STATE PLANES, WEST ZONE, US FOOT
VERTICAL DATUM:	NORTH AMERICAN VERTICAL DATUM OF 1988 (NAVD88)

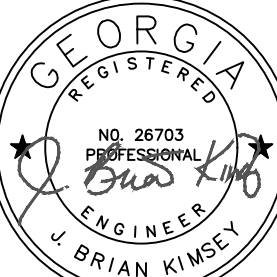
GEOGRAPHICAL INFORMATION SYSTEMS (GIS) DATA UTILIZED:

TOPOGRAPHIC DATA:	FIELD RUN SURVEY
PARCEL DATA:	UNION COUNTY Q PUBLIC
ADDITIONAL DATA:	USGS LIDAR DATA

GEORGIA COMP. R. & REGS. R. 180-6-.09:

THE TOPOGRAPHIC AND ELEVATION DATA SHOWN HEREON WAS OBTAINED FROM FIELD RUN SURVEY AND IS NOT CERTIFIED AS CORRECT BY THIS ENGINEER. USERS OF THIS DATA DO SO AT THEIR OWN RISK.

REVISION BLOCK								
ISSUE	REVISION	DATE & DESCRIPTION	1	2	3	4	5	6
	1	08.21.26 - INITIAL SUBMITTAL	...	...	...	...	...	...
	2		...	...	...	...	...	...
	3		...	...	...	...	...	...
	4		...	...	...	...	...	...
	5		...	...	...	...	...	...
	6		...	...	...	...	...	...
	7		...	...	...	...	...	...
	8		...	...	...	...	...	...



GSVCC Level II Certification
No. 000000003007



CARTER
ENGINEERING

CARTER ENGINEERING
1010 COMMERCE DRIVE
BOGART, GA 30622

P: 770.725.1200
www.carterengineering.com

SITE DEVELOPMENT PLANS

FOR

SPIVA COVE ROAD

34°769902° - 83.884670 - BLAIRSVILLE, GA 30512

SHEET TITLE:

GENERAL NOTES

PROJECT NAME:

UNION COUNTY GOVERNMENT

SHEET NUMBER:

C 2.0

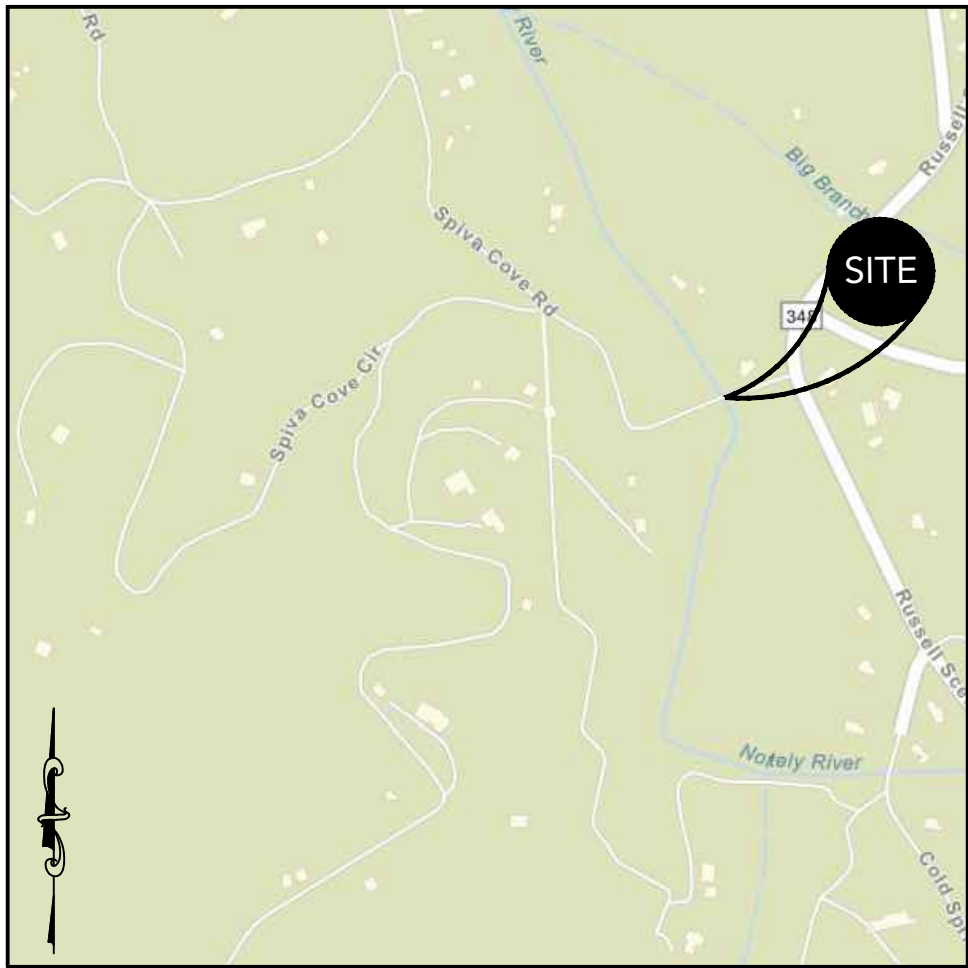
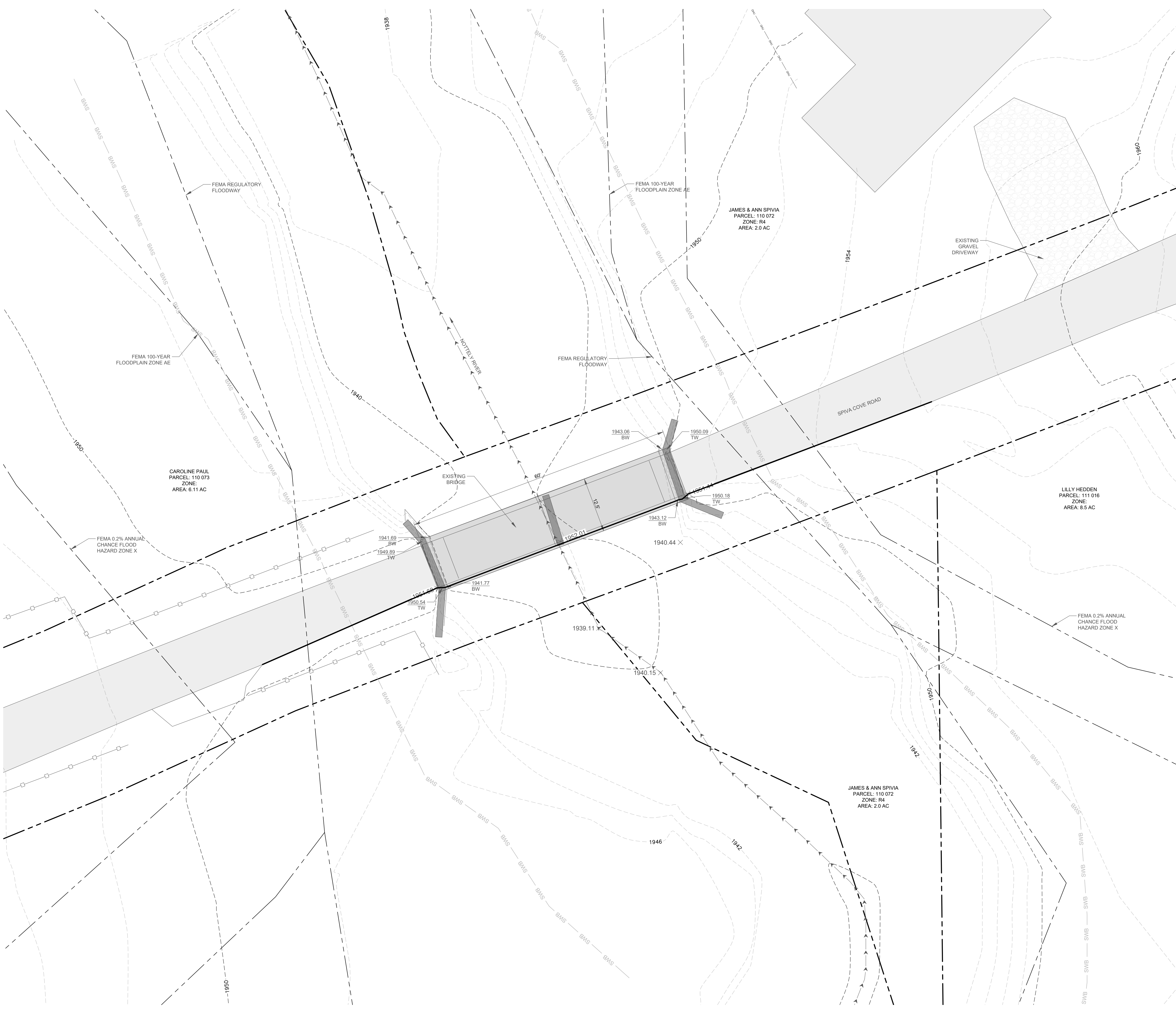
PROJECT NUMBER:

25011UCGD

DATE:

08.21.26

COPYRIGHT CARTER ENGINEERING CONSULTANTS, LLC. ALL RIGHTS RESERVED. NO PART OF THIS DOCUMENT MAY BE REPRODUCED IN ANY FORM OR FASHION OR BY ANY MEANS WITHOUT PRIOR CONSENT. AGREEMENT AND WRITTEN PERMISSION FROM CARTER ENGINEERING CONSULTANTS, INC.

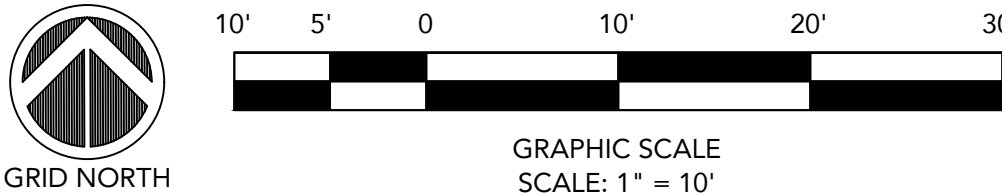


LOCATION MAP
SCALE: N.T.S.

PROJECT INFORMATION	
DRAWING SET PREPARED BY: CARTER ENGINEERING CONSULTANTS, INC. 1010 COMMERCE DR BOGART, GA 30622 CONTACT: BRIAN KIMSEY, P.E. PHONE: 770.725.1200 BRIAN@CARTERENGINEERING.COM	OWNER/DEVELOPER: UNION COUNTY GOVERNMENT 65 COURTHOUSE STREET, P.O. BOX 1 BLAIRSVILLE, GA 30512 CONTACT: HAROLD COLLINS 706.439.6000 UCCOMMISSIONER@UNIONGOV.COM
SITE INFORMATION	
JURISDICTION	UNION COUNTY
PROPERTY LOCATION	34.769902°, -83.884670 BLAIRSVILLE, GA 30512
PARCEL NUMBER	N/A
CURRENT ZONING	N/A
PROPOSED ZONING	N/A
OVERLAY DISTRICT	N/A
EXISTING USE	EXISTING BRIDGE
PROPOSED USE	N/A
BUFFERS REQUIRED	50' STATE WATERS BUFFER
FEMA FLOOD INSURANCE RATE MAP NO.	13291C0169D
FEMA FIRM DATE	09/28/2007
FEMA SFHA ZONE	ZONE AE
UNDERGROUND UTILITY DISCLAIMER: THE UNDERGROUND UTILITIES SHOWN HEREON HAVE BEEN LOCATED FROM FIELD INFORMATION AND/OR EXISTING DRAWINGS. CARTER ENGINEERING DOES NOT WARRANT THAT THE UNDERGROUND UTILITIES SHOWN COMPRISE ALL SUCH UTILITIES IN THE AREA, EITHER IN SERVICE OR ABANDONED. CARTER ENGINEERING DOES NOT WARRANT THAT THE UNDERGROUND UTILITIES SHOWN ARE IN THE EXACT LOCATION INDICATED. THE OWNER, HIS/HER EMPLOYEES, CONSULTANTS AND CONTRACTORS SHALL HEREBY DISTINCTLY UNDERSTAND THAT THE CARTER ENGINEERING IS NOT RESPONSIBLE FOR THE CORRECTNESS OR SUFFICIENCY OF THIS INFORMATION REGARDING THE UNDERGROUND UTILITIES AND STRUCTURES RELATED TO UNDERGROUND UTILITIES SHOWN HEREON. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO FIELD LOCATE ALL UTILITIES PRIOR TO COMMENCING WORK AND NOTIFY ENGINEER IF A DISCREPANCY IS FOUND. SPECIFICALLY, THE CONTRACTOR SHALL VERIFY THE INVERT ELEVATIONS OF ALL EXISTING STORM AND SANITARY SEWER STRUCTURES PRIOR TO COMMENCEMENT OF STORM AND SANITARY SEWER CONSTRUCTION.	

UNDERGROUND UTILITY DISCLAIMER:

THE UNDERGROUND UTILITIES SHOWN HEREON HAVE BEEN LOCATED FROM FIELD INFORMATION AND/OR EXISTING DRAWINGS. CARTER ENGINEERING DOES NOT WARRANT THAT THE UNDERGROUND UTILITIES SHOWN COMPRISE ALL SUCH UTILITIES PRESENT IN THE AREA. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ADEQUATE INFORMATION TO VERIFY THE ACCURACY OF THE INFORMATION. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ADEQUATE INFORMATION TO VERIFY THE ACCURACY OF THE INFORMATION. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ADEQUATE INFORMATION TO VERIFY THE ACCURACY OF THE INFORMATION. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ADEQUATE INFORMATION TO VERIFY THE ACCURACY OF THE INFORMATION. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ADEQUATE INFORMATION TO VERIFY THE ACCURACY OF THE INFORMATION. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ADEQUATE INFORMATION TO VERIFY THE ACCURACY OF THE INFORMATION. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ADEQUATE INFORMATION TO VERIFY THE ACCURACY OF THE INFORMATION. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ADEQUATE INFORMATION TO VERIFY THE ACCURACY OF THE INFORMATION. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ADEQUATE INFORMATION TO VERIFY THE ACCURACY OF THE INFORMATION. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ADEQUATE INFORMATION TO VERIFY THE ACCURACY OF THE INFORMATION. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ADEQUATE INFORMATION TO VERIFY THE ACCURACY OF THE INFORMATION. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ADEQUATE INFORMATION TO VERIFY THE ACCURACY OF THE INFORMATION. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ADEQUATE INFORMATION TO VERIFY THE ACCURACY OF THE INFORMATION. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ADEQUATE INFORMATION TO VERIFY THE ACCURACY OF THE INFORMATION. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ADEQUATE INFORMATION TO VERIFY THE ACCURACY OF THE INFORMATION. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ADEQUATE INFORMATION TO VERIFY THE ACCURACY OF THE INFORMATION. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ADEQUATE INFORMATION TO VERIFY THE ACCURACY OF THE INFORMATION. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ADEQUATE INFORMATION TO VERIFY THE ACCURACY OF THE INFORMATION. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ADEQUATE INFORMATION TO VERIFY THE ACCURACY OF THE INFORMATION. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ADEQUATE INFORMATION TO VERIFY THE ACCURACY OF THE INFORMATION. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ADEQUATE INFORMATION TO VERIFY THE ACCURACY OF THE INFORMATION. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ADEQUATE INFORMATION TO VERIFY THE ACCURACY OF THE INFORMATION. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ADEQUATE INFORMATION TO VERIFY THE ACCURACY OF THE INFORMATION. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ADEQUATE INFORMATION TO VERIFY THE ACCURACY OF THE INFORMATION. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ADEQUATE INFORMATION TO VERIFY THE ACCURACY OF THE INFORMATION. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ADEQUATE INFORMATION TO VERIFY THE ACCURACY OF THE INFORMATION. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ADEQUATE INFORMATION TO VERIFY THE ACCURACY OF THE INFORMATION. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ADEQUATE INFORMATION TO VERIFY THE ACCURACY OF THE INFORMATION. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ADEQUATE INFORMATION TO VERIFY THE ACCURACY OF THE INFORMATION. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ADEQUATE INFORMATION TO VERIFY THE ACCURACY OF THE INFORMATION. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ADEQUATE INFORMATION TO VERIFY THE ACCURACY OF THE INFORMATION. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ADEQUATE INFORMATION TO VERIFY THE ACCURACY OF THE INFORMATION. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ADEQUATE INFORMATION TO VERIFY THE ACCURACY OF THE INFORMATION. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ADEQUATE INFORMATION TO VERIFY THE ACCURACY OF THE INFORMATION. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ADEQUATE INFORMATION TO VERIFY THE ACCURACY OF THE INFORMATION. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ADEQUATE INFORMATION TO VERIFY THE ACCURACY OF THE INFORMATION. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ADEQUATE INFORMATION TO VERIFY THE ACCURACY OF THE INFORMATION. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ADEQUATE INFORMATION TO VERIFY THE ACCURACY OF THE INFORMATION. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ADEQUATE INFORMATION TO VERIFY THE ACCURACY OF THE INFORMATION. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ADEQUATE INFORMATION TO VERIFY THE ACCURACY OF THE INFORMATION. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ADEQUATE INFORMATION TO VERIFY THE ACCURACY OF THE INFORMATION. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ADEQUATE INFORMATION TO VERIFY THE ACCURACY OF THE INFORMATION. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ADEQUATE INFORMATION TO VERIFY THE ACCURACY OF THE INFORMATION. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ADEQUATE INFORMATION TO VERIFY THE ACCURACY OF THE INFORMATION. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ADEQUATE INFORMATION TO VERIFY THE ACCURACY OF THE INFORMATION. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ADEQUATE INFORMATION TO VERIFY THE ACCURACY OF THE INFORMATION. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ADEQUATE INFORMATION TO VERIFY THE ACCURACY OF THE INFORMATION. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ADEQUATE INFORMATION TO VERIFY THE ACCURACY OF THE INFORMATION. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ADEQUATE INFORMATION TO VERIFY THE ACCURACY OF THE INFORMATION. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ADEQUATE INFORMATION TO VERIFY THE ACCURACY OF THE INFORMATION. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ADEQUATE INFORMATION TO VERIFY THE ACCURACY OF THE INFORMATION. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ADEQUATE INFORMATION TO VERIFY THE ACCURACY OF THE INFORMATION. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ADEQUATE INFORMATION TO VERIFY THE ACCURACY OF THE INFORMATION. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ADEQUATE INFORMATION TO VERIFY THE ACCURACY OF THE INFORMATION. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ADEQUATE INFORMATION TO VERIFY THE ACCURACY OF THE INFORMATION. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ADEQUATE INFORMATION TO VERIFY THE ACCURACY OF THE INFORMATION. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ADEQUATE INFORMATION TO VERIFY THE ACCURACY OF THE INFORMATION. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ADEQUATE INFORMATION TO VERIFY THE ACCURACY OF THE INFORMATION. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ADEQUATE INFORMATION TO VERIFY THE ACCURACY OF THE INFORMATION. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ADEQUATE INFORMATION TO VERIFY THE ACCURACY OF THE INFORMATION. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ADEQUATE INFORMATION TO VERIFY THE ACCURACY OF THE INFORMATION. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ADEQUATE INFORMATION TO VERIFY THE ACCURACY OF THE INFORMATION. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ADEQUATE INFORMATION TO VERIFY THE ACCURACY OF THE INFORMATION. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ADEQUATE INFORMATION TO VERIFY THE ACCURACY OF THE INFORMATION. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ADEQUATE INFORMATION TO VERIFY THE ACCURACY OF THE INFORMATION. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ADEQUATE INFORMATION TO VERIFY THE ACCURACY OF THE INFORMATION. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ADEQUATE INFORMATION TO VERIFY THE ACCURACY OF THE INFORMATION. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ADEQUATE INFORMATION TO VERIFY THE ACCURACY OF THE INFORMATION. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ADEQUATE INFORMATION TO VERIFY THE ACCURACY OF THE INFORMATION. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ADEQUATE INFORMATION TO VERIFY THE ACCURACY OF THE INFORMATION. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ADEQUATE INFORMATION TO VERIFY THE ACCURACY OF THE INFORMATION. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ADEQUATE INFORMATION TO VERIFY THE ACCURACY OF THE INFORMATION. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ADEQUATE INFORMATION TO VERIFY THE ACCURACY OF THE INFORMATION. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ADEQUATE INFORMATION TO VERIFY THE ACCURACY OF THE INFORMATION. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ADEQUATE INFORMATION TO VERIFY THE ACCURACY OF THE INFORMATION. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ADEQUATE INFORMATION TO VERIFY THE ACCURACY OF THE INFORMATION. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ADEQUATE INFORMATION TO VERIFY THE ACCURACY OF THE INFORMATION. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ADEQUATE INFORMATION TO VERIFY THE ACCURACY OF THE INFORMATION. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ADEQUATE INFORMATION TO VERIFY THE ACCURACY OF THE INFORMATION. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ADEQUATE INFORMATION TO VERIFY THE ACCURACY OF THE INFORMATION. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ADEQUATE INFORMATION TO VERIFY THE ACCURACY OF THE INFORMATION. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ADEQUATE INFORMATION TO VERIFY THE ACCURACY OF THE INFORMATION. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ADEQUATE INFORMATION TO VERIFY THE ACCURACY OF THE INFORMATION. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ADEQUATE INFORMATION TO VERIFY THE ACCURACY OF THE INFORMATION. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ADEQUATE INFORMATION TO VERIFY THE ACCURACY OF THE INFORMATION. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ADEQUATE INFORMATION TO VERIFY THE ACCURACY OF THE INFORMATION. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ADEQUATE INFORMATION TO VERIFY THE ACCURACY OF THE INFORMATION. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ADEQUATE INFORMATION TO VERIFY THE ACCURACY OF THE INFORMATION. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ADEQUATE INFORMATION TO VERIFY THE ACCURACY OF THE INFORMATION. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ADEQUATE INFORMATION TO VERIFY THE ACCURACY OF THE INFORMATION. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ADEQUATE INFORMATION TO VERIFY THE ACCURACY OF THE INFORMATION. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ADEQUATE INFORMATION TO VERIFY THE ACCURACY OF THE INFORMATION. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ADEQUATE INFORMATION TO VERIFY THE ACCURACY OF THE INFORMATION. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ADEQUATE INFORMATION TO VERIFY THE ACCURACY OF THE INFORMATION. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ADEQUATE INFORMATION TO VERIFY THE ACCURACY OF THE INFORMATION. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ADEQUATE INFORMATION TO VERIFY THE ACCURACY OF THE INFORMATION. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ADEQUATE INFORMATION TO VERIFY THE ACCURACY OF THE INFORMATION. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ADEQUATE INFORMATION TO VERIFY THE ACCURACY OF THE INFORMATION. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ADEQUATE INFORMATION TO VERIFY THE ACCURACY OF THE INFORMATION. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ADEQUATE INFORMATION TO VERIFY THE ACCURACY OF THE INFORMATION. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ADEQUATE INFORMATION TO VERIFY THE ACCURACY OF THE INFORMATION. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ADEQUATE INFORMATION TO VERIFY THE ACCURACY OF THE INFORMATION. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ADEQUATE INFORMATION TO VERIFY THE ACCURACY OF THE INFORMATION. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ADEQUATE INFORMATION TO VERIFY THE ACCURACY OF THE INFORMATION. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ADEQUATE INFORMATION TO VERIFY THE ACCURACY OF THE INFORMATION. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ADEQUATE INFORMATION TO VERIFY THE ACCURACY OF THE INFORMATION. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ADEQUATE INFORMATION TO VERIFY THE



REVISION BLOCK	
ISSUE	REVISION DATE & DESCRIPTION
1	08.21.26 - INITIAL SUBMITTAL
2	
3	
4	
5	
6	
7	
8	



CARTER ENGINEERING
1010 COMMERCE DRIVE
BOGART, GA 30622
P: 770.725.1200
www.carterengineering.com

SITE DEVELOPMENT PLANS
FOR
SPIVA COVE ROAD
34.769902° -83.884670 - BLAIRSVILLE, GA 30512

SHEET TITLE: EXISTING SITE / DEMO PLAN
PROJECT NAME: UNION COUNTY GOVERNMENT
SHEET NUMBER: C 3.0
PROJECT NUMBER: 25011UCGD
DATE: 08.21.26

ENGINEER/DESIGNER NOT RESPONSIBLE FOR COST CHANGES DURING PRELIMINARY PHASE. BIDS & QUOTES SHALL BE BASED ON PLAN SETS LABELED "ISSUE FOR BID". BIDS & QUOTES SHALL BE REVISED BASED ON PLANS LABELED "ISSUE FOR CONSTRUCTION".

COPYRIGHT CARTER ENGINEERING CONSULTANTS, LLC. ALL RIGHTS RESERVED. NO PART OF THIS DOCUMENT MAY BE REPRODUCED IN ANY FORM OR FASHION OR BY ANY MEANS WITHOUT PRIOR CONSENT, AGREEMENT AND WRITTEN PERMISSION FROM CARTER ENGINEERING CONSULTANTS, INC.

1.5" - 9.5 mm SUPERPAVE SURFACE COURSE

2.5" - 19 mm SUPERPAVE BASE COURSE

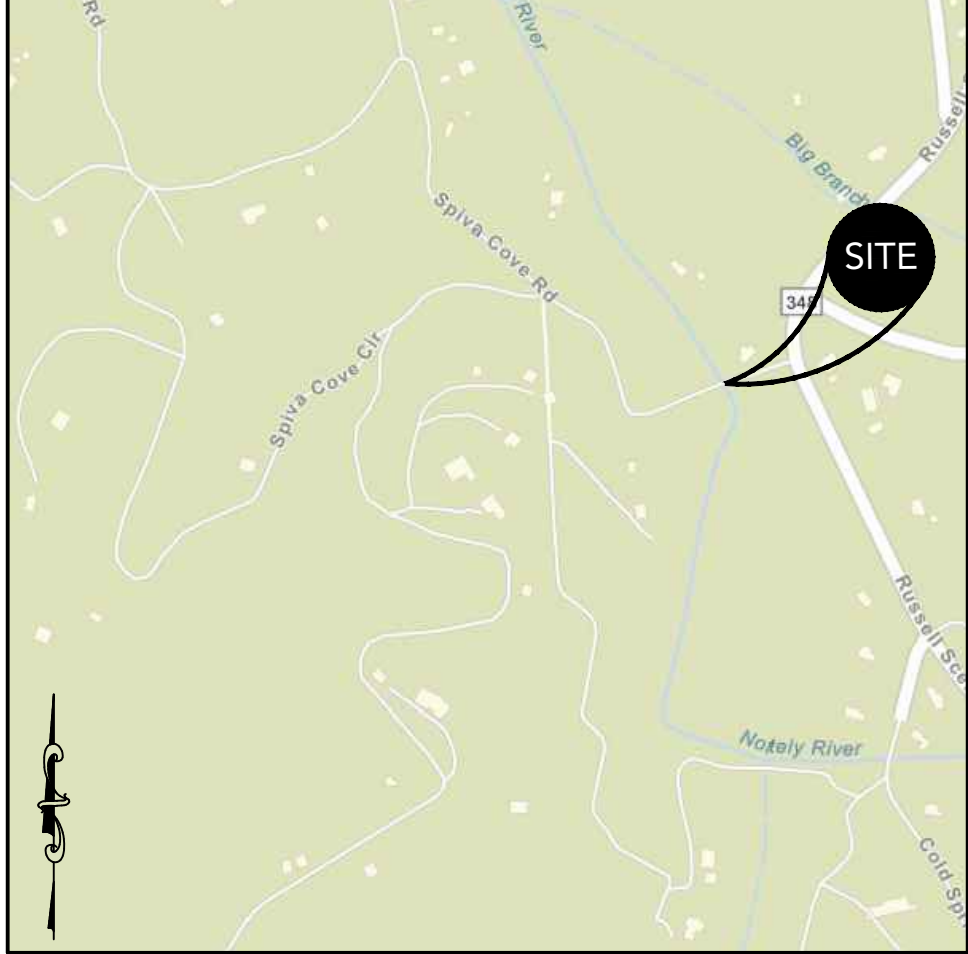
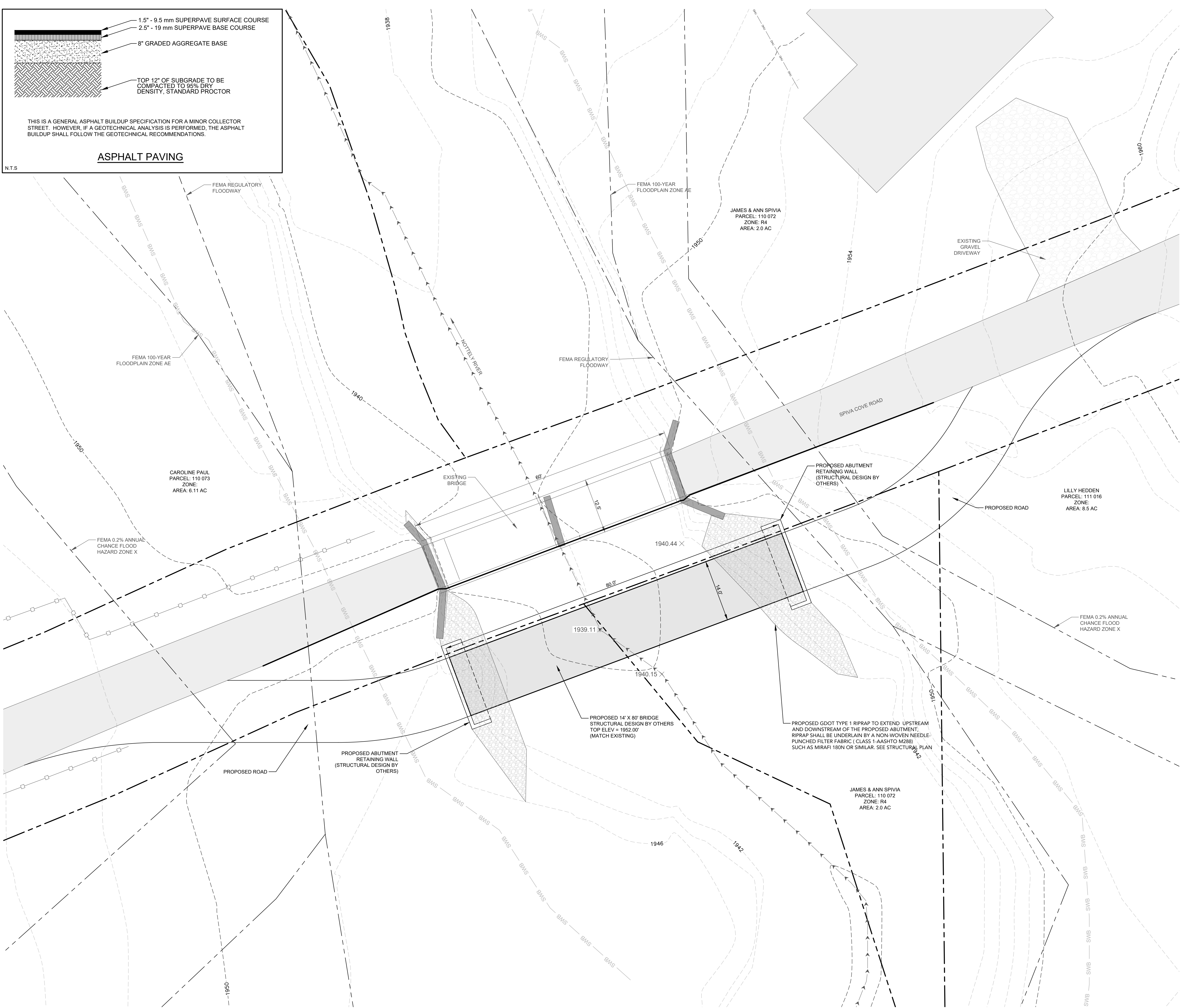
8" GRADED AGGREGATE BASE

TOP 12" OF SUBGRADE TO BE COMPACTED TO 95% DRY DENSITY, STANDARD PROCTOR

THIS IS A GENERAL ASPHALT BUILDUP SPECIFICATION FOR A MINOR COLLECTOR STREET. HOWEVER, IF A GEOTECHNICAL ANALYSIS IS PERFORMED, THE ASPHALT BUILDUP SHALL FOLLOW THE GEOTECHNICAL RECOMMENDATIONS.

ASPHALT PAVING

N.T.S



LOCATION MAP
SCALE: N.T.S.

PROJECT INFORMATION

DRAWING SET PREPARED BY:
CARTER ENGINEERING CONSULTANTS, INC.
1010 COMMERCE DR
BOGART, GA 30622
CONTACT: BRIAN KIMSEY, P.E.
PHONE: 770.725.1200
BRIAN@CARTERENGINEERING.COM

OWNER/DEVELOPER:
UNION COUNTY GOVERNMENT
65 COURTHOUSE STREET, P.O. BOX 1
BLAIRSVILLE, GA 30512
CONTACT: HAROLD COLLINS
706.439.6000
UCCOMMISSIONER@UNIONGOV.COM

SITE INFORMATION

JURISDICTION	UNION COUNTY
PROPERTY LOCATION	34.769902°, -83.884670 BLAIRSVILLE, GA 30512
PARCEL NUMBER	N/A
CURRENT ZONING	N/A
PROPOSED ZONING	N/A
OVERLAY DISTRICT	N/A
EXISTING USE	EXISTING BRIDGE
PROPOSED USE	N/A
BUFFERS REQUIRED	50' STATE WATERS BUFFER
FEMA FLOOD INSURANCE RATE MAP NO.	13291C0169D
FEMA FIRM DATE	09/28/2007
FEMA SFHA ZONE	ZONE AE

UNDERGROUND UTILITY DISCLAIMER:
THE UNDERGROUND UTILITIES SHOWN HEREON HAVE BEEN LOCATED FROM FIELD INFORMATION AND/OR EXISTING DRAWINGS. CARTER ENGINEERING DOES NOT WARRANT THAT THE UNDERGROUND UTILITIES SHOWN COMPRISE ALL SUCH UTILITIES IN THE AREA, EITHER IN SERVICE OR ABANDONED. CARTER ENGINEERING DOES NOT WARRANT THAT THE UNDERGROUND UTILITIES SHOWN ARE IN THE EXACT LOCATION INDICATED. THE OWNER, HIS/HER EMPLOYEES, CONSULTANTS AND CONTRACTORS SHALL HEREBY DISTINCTLY UNDERSTAND THAT THE CARTER ENGINEERING IS NOT RESPONSIBLE FOR THE CORRECTNESS OR SUFFICIENCY OF THIS INFORMATION REGARDING THE UNDERGROUND UTILITIES AND STRUCTURES RELATED TO UNDERGROUND UTILITIES SHOWN HEREON. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO FIELD LOCATE ALL UTILITIES PRIOR TO COMMENCING WORK AND NOTIFY ENGINEER IF A DISCREPANCY IS FOUND. SPECIFICALLY, THE CONTRACTOR SHALL VERIFY THE INVERT ELEVATIONS OF ALL EXISTING STORM AND SANITARY SEWER STRUCTURES PRIOR TO COMMENCEMENT OF STORM AND SANITARY SEWER CONSTRUCTION.

REVISION BLOCK		REVISION DATE & DESCRIPTION
ISSUE	1	08.21.26 - INITIAL SUBMITTAL
	2	
	3	
	4	
	5	
	6	
	7	
	8	

GEORGIA
REGISTERED
NO. 26703
PROFESSIONAL
ENGINEER
BRIAN KIMSEY

GSWCC Level II Certification
No. 000000003007

CARTER
ENGINEERING

CARTER ENGINEERING
1010 COMMERCE DRIVE
BOGART, GA 30622
P: 770.725.1200
www.carterengineering.com

SITE DEVELOPMENT PLANS
FOR
SPIVA COVE ROAD
34.769902°, -83.884670 - BLAIRSVILLE, GA 30512

SHEET TITLE:	SITE PLAN
PROJECT NAME:	UNION COUNTY GOVERNMENT
SHEET NUMBER:	C 4.0
PROJECT NUMBER:	25011UCGD
DATE:	08.21.26

GEORGIA811

Utilities Protection Center, Inc.

Know what's below
Call before you dig

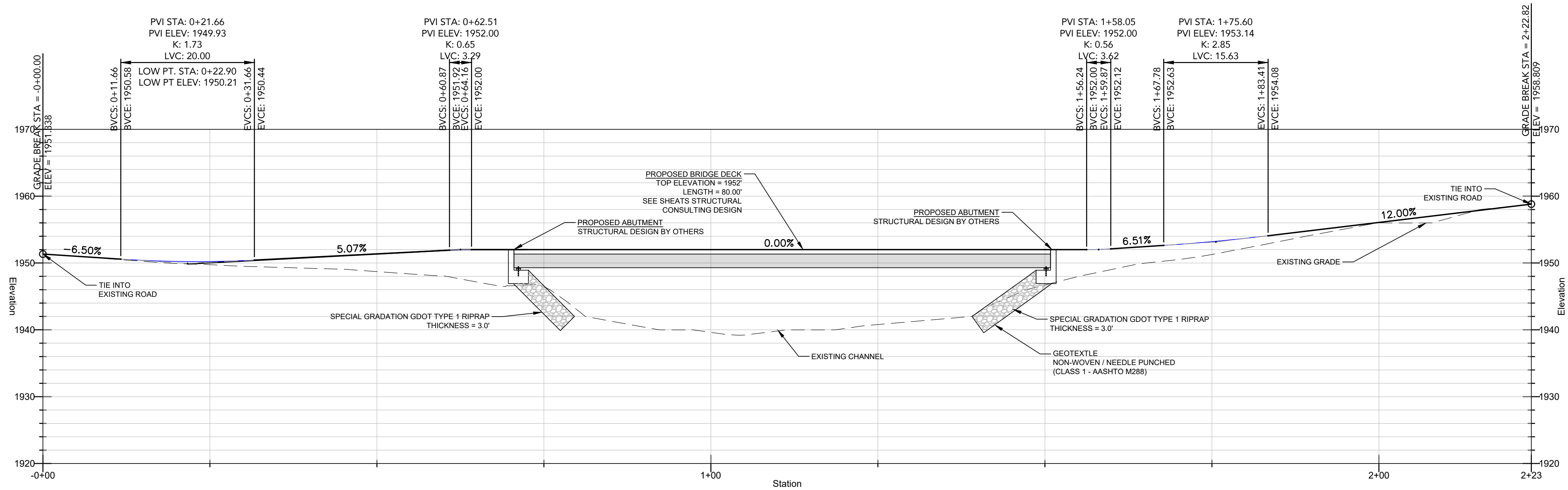
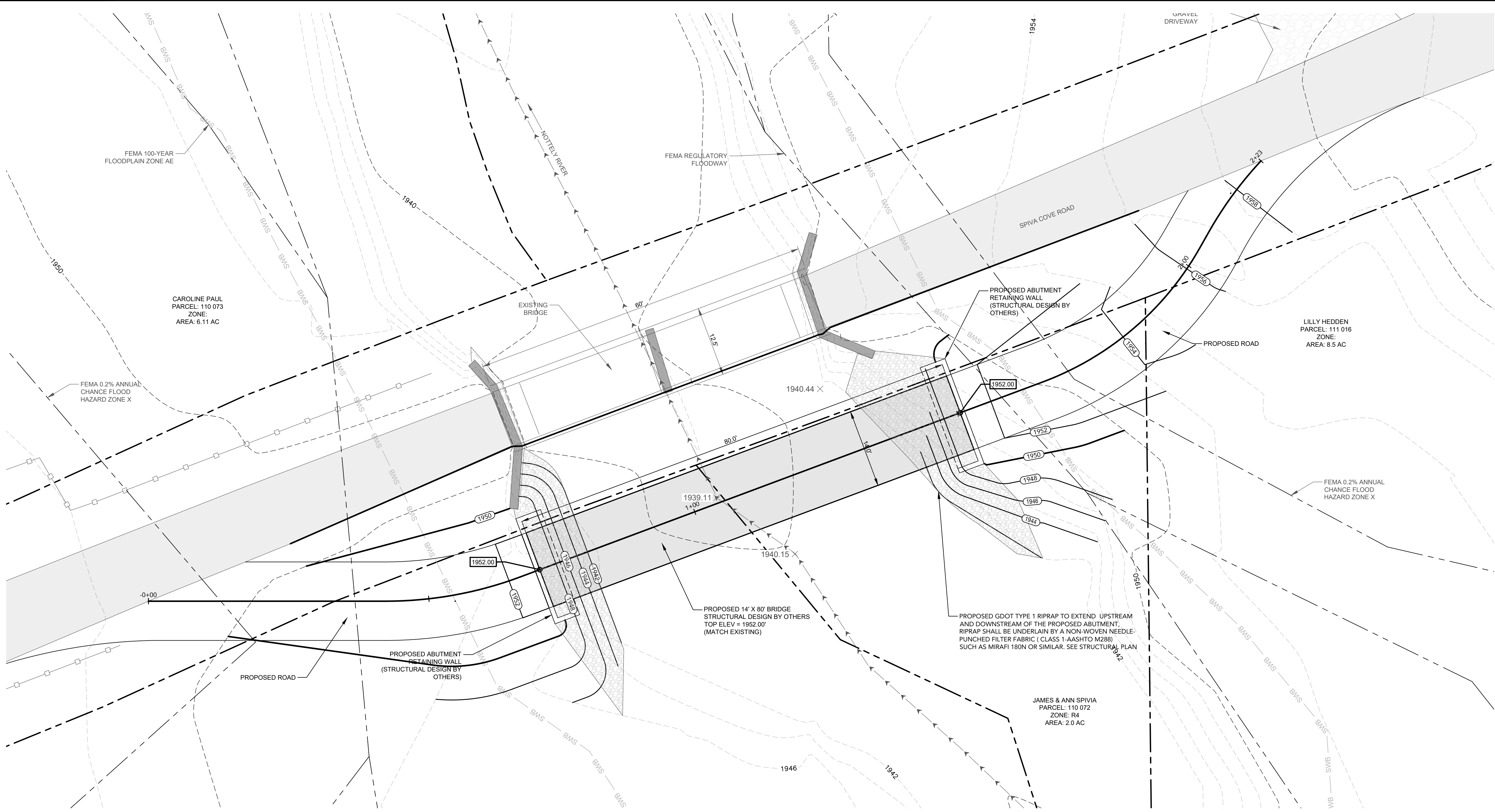
GRID NORTH

10' 5' 0 10' 20' 30'

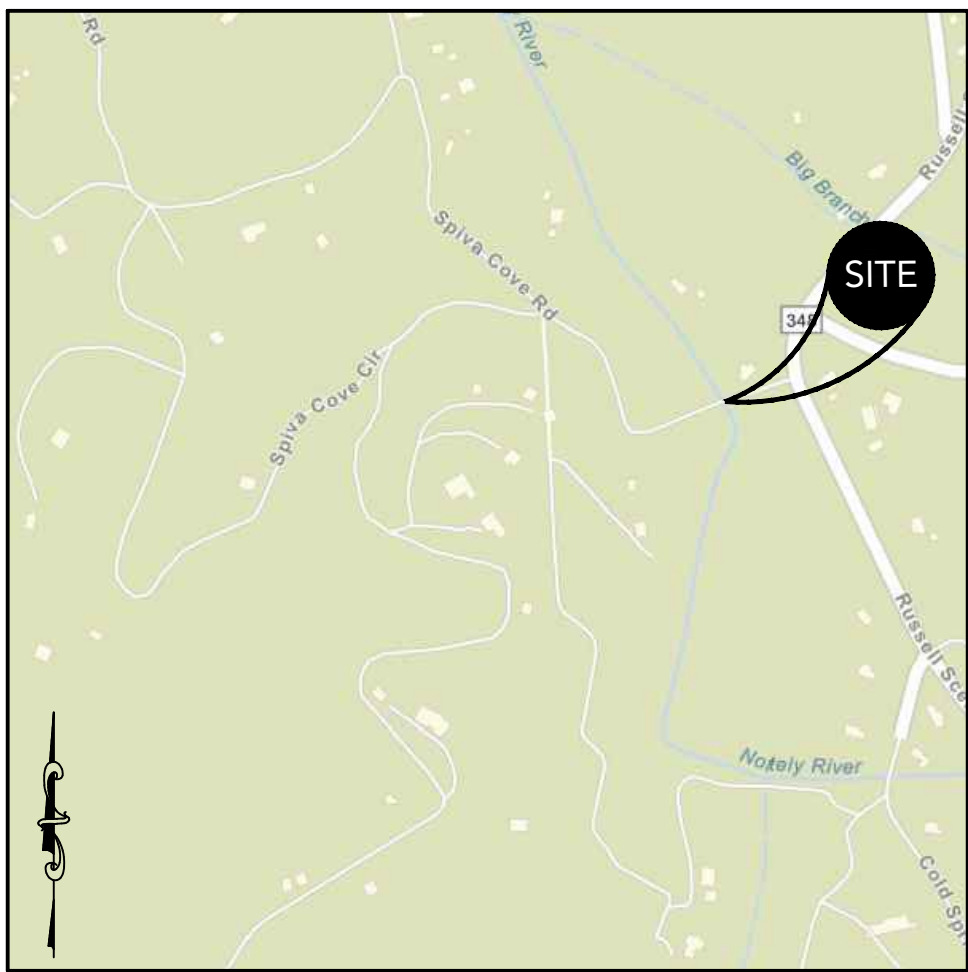
GRAPHIC SCALE
SCALE: 1" = 10'

ENGINEER/DESIGNER NOT RESPONSIBLE FOR COST CHANGES DURING PRELIMINARY PHASE. BIDS & QUOTES SHALL BE BASED ON PLAN SETS LABELED "ISSUE FOR BID". BIDS & QUOTES SHALL BE REVISED BASED ON PLANS LABELED "ISSUE FOR CONSTRUCTION".

COPYRIGHT CARTER ENGINEERING CONSULTANTS, LLC. ALL RIGHTS RESERVED. NO PART OF THIS DOCUMENT MAY BE REPRODUCED IN ANY FORM OR FASHION OR BY ANY MEANS WITHOUT PRIOR CONSENT. AGREEMENT AND WRITTEN PERMISSION FROM CARTER ENGINEERING CONSULTANTS, INC.



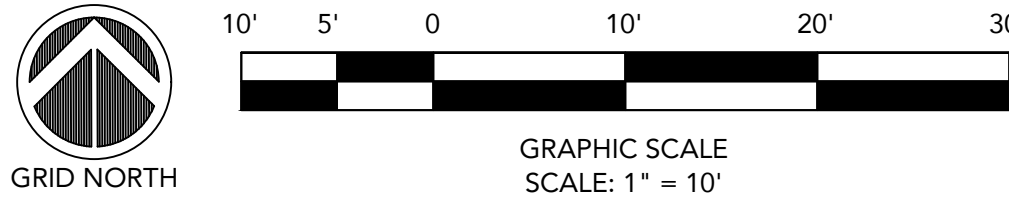
PROPOSED BRIDGE PROFILE
SCALE: 1" = 10' H, 1" = 10' V



LOCATION MAP
SCALE: N.T.S.

PROJECT INFORMATION	
DRAWING SET PREPARED BY: CARTER ENGINEERING CONSULTANTS, INC. 1010 COMMERCE DR BOGART, GA 30622 CONTACT: BRIAN KIMSEY, P.E. PHONE: 770.725.1200 BRIAN@CARTERENGINEERING.COM	OWNER/DEVELOPER: UNION COUNTY GOVERNMENT 65 COURTHOUSE STREET, P.O. BOX 1 BLAIRSVILLE, GA 30512 CONTACT: HAROLD COLLINS 706.439.6000 UCCOMMISSIONER@UNIONGOV.COM
SITE INFORMATION	
JURISDICTION	UNION COUNTY
PROPERTY LOCATION	34.769902°, -83.884670° BLAIRSVILLE, GA 30512
PARCEL NUMBER	N/A
CURRENT ZONING	N/A
PROPOSED ZONING	N/A
OVERLAY DISTRICT	N/A
EXISTING USE	EXISTING BRIDGE
PROPOSED USE	N/A
BUFFERS REQUIRED	50' STATE WATERS BUFFER
FEMA FLOOD INSURANCE RATE MAP NO.	13291C0169D
FEMA FIRM DATE	09/28/2007
FEMA SFHA ZONE	ZONE AE
UNDERGROUND UTILITY DISCLAIMER: THE UNDERGROUND UTILITIES SHOWN HEREON HAVE BEEN LOCATED FROM FIELD INFORMATION AND/OR EXISTING DRAWINGS. CARTER ENGINEERING DOES NOT WARRANT THAT THE UNDERGROUND UTILITIES SHOWN COMPRISE ALL SUCH UTILITIES IN THE AREA, EITHER IN SERVICE OR ABANDONED. CARTER ENGINEERING DOES NOT WARRANT THAT THE UNDERGROUND UTILITIES SHOWN ARE IN THE EXACT LOCATION INDICATED. THE OWNER, HIS/HER EMPLOYEES, CONSULTANTS AND CONTRACTORS SHALL HEREBY DISTINCTLY UNDERSTAND THAT THE CARTER ENGINEERING IS NOT RESPONSIBLE FOR THE CORRECTNESS OR SUFFICIENCY OF THIS INFORMATION REGARDING THE UNDERGROUND UTILITIES AND STRUCTURES RELATED TO UNDERGROUND UTILITIES SHOWN HEREON. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO FIELD LOCATE ALL UTILITIES PRIOR TO COMMENCING WORK AND NOTIFY ENGINEER IF A DISCREPANCY IS FOUND. SPECIFICALLY, THE CONTRACTOR SHALL VERIFY THE INVERT ELEVATIONS OF ALL EXISTING STORM AND SANITARY SEWER STRUCTURES PRIOR TO COMMENCEMENT OF STORM AND SANITARY SEWER CONSTRUCTION.	

UNDERGROUND UTILITY DISCLAIMER: THE UNDERGROUND UTILITIES SHOWN HEREON HAVE BEEN LOCATED FROM FIELD INFORMATION AND/OR EXISTING DRAWINGS. CARTER ENGINEERING DOES NOT WARRANT THAT THE UNDERGROUND UTILITIES SHOWN COMPRISE ALL SUCH UTILITIES IN THE AREA. EITHER IN SERVICE OR ABANDONED. CARTER ENGINEERING DOES NOT WARRANT THAT THE UNDERGROUND UTILITIES SHOWN ARE IN THE EXACT LOCATION INDICATED. THE OWNER, HIS/HER EMPLOYEES, CONSULTANTS AND CONTRACTORS SHALL HEREBY DISTINCTLY UNDERSTAND THAT THE CARTER ENGINEERING IS NOT RESPONSIBLE FOR THE CORRECTNESS OR SUFFICIENCY OF THIS INFORMATION REGARDING THE UNDERGROUND UTILITIES AND STRUCTURES RELATED TO UNDERGROUND UTILITIES SHOWN HEREON. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO FIELD LOCATE ALL UTILITIES PRIOR TO COMMENCING WORK AND NOTIFY ENGINEER IF A DISCREPANCY IS FOUND. SPECIFICALLY, THE CONTRACTOR SHALL VERIFY THE INVERT ELEVATIONS OF ALL EXISTING STORM AND SANITARY SEWER STRUCTURES PRIOR TO COMMENCEMENT OF STORM AND SANITARY SEWER CONSTRUCTION.			
PROPOSED INFORMATION			
GENERAL INFORMATION			
PROJECT NAME		SPIVA COVE ROAD	
PHYSICAL CHARACTERISTICS			
DRAINAGE BASIN:	9344.00	ACRES	
CREST OF ROAD ELEVATION:	1952.01	FEET	
HYDROLOGIC & HYDRAULIC SUMMARY			
SCS TYPE II STORMS			
STORM EVENT (24 HOUR)	RAINFALL DEPTH (INCHES)	PEAK INFLOW (CFS)	MAX WATER SURFACE ELEVATION (FEET)
2 YEAR	4.33	681.00	1941.82
5 YEAR	5.22	1220.00	1942.52
10 YEAR	5.97	1670.00	1943.01
25 YEAR	7.03	2290.00	1943.60
50 YEAR	7.87	2860.00	1944.10
100 YEAR	8.73	3400.00	1944.53
200 YEAR	9.62	3990.00	1944.96



REVISION BLOCK	REVISION DATE & DESCRIPTION	ISSUE
1	08.21.26 - INITIAL SUBMITTAL	1
2		2
3		3
4		4
5		5
6		6
7		7
8		8



CARTER ENGINEERING
1010 COMMERCE DRIVE
BOGART, GA 30622
P: 770.725.1200
www.carterengineering.com

SITE DEVELOPMENT PLANS FOR SPIVA COVE ROAD 34.769902° -83.884670 - BLAIRSVILLE, GA 30512

SHEET TITLE:
GRADING / BRIDGE
PLAN

PROJECT NAME:
UNION COUNTY
GOVERNMENT

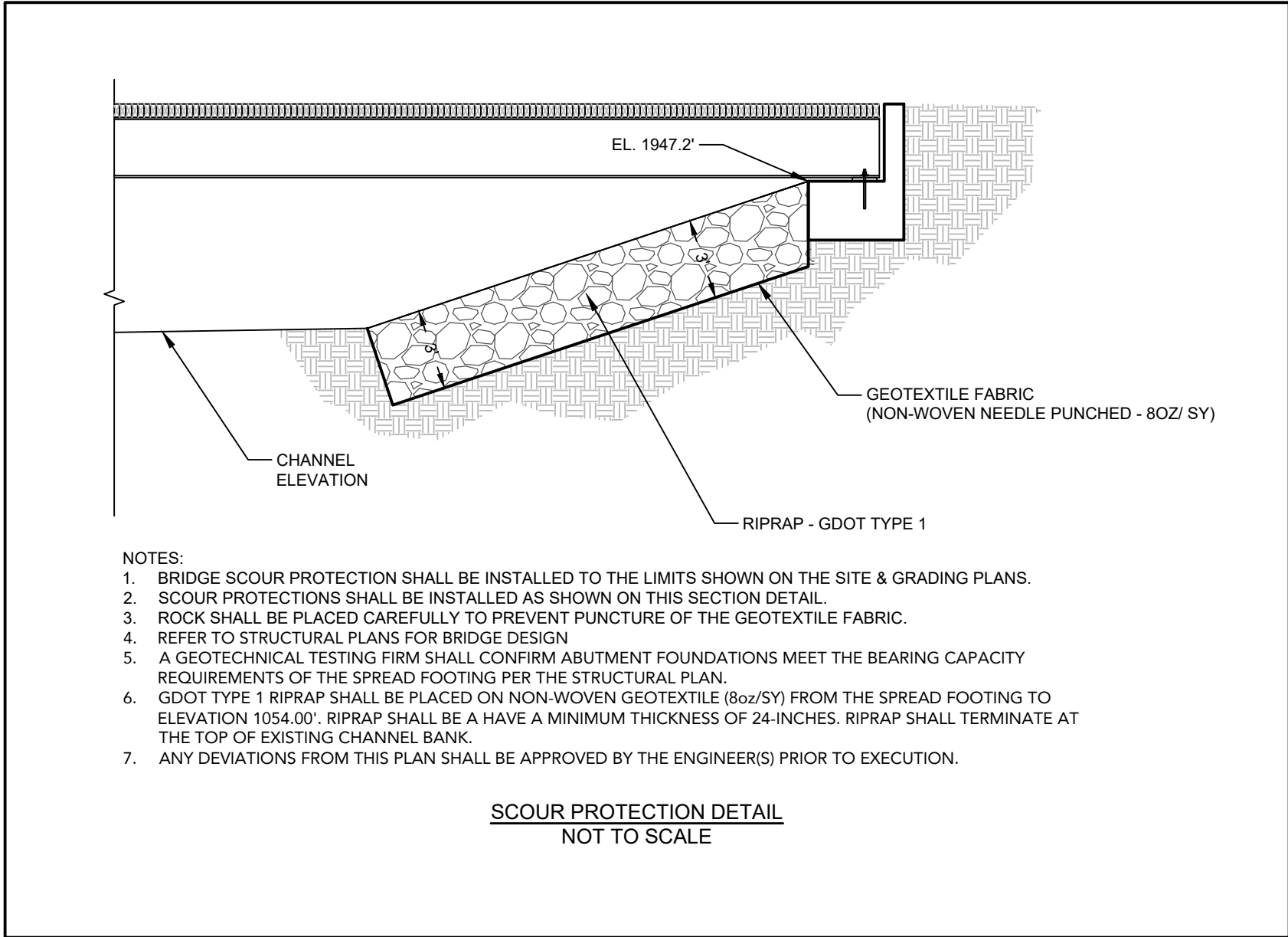
SHEET NUMBER:
C 5.0

PROJECT NUMBER:
25011UCGD

DATE:
08.21.26

ENGINEER/DRAWN NOT RESPONSIBLE FOR COST CHANGES DURING PRELIMINARY PHASE. BIDS & QUOTES SHALL BE BASED ON PLANS SETS LABELED "ISSUE FOR BID". BIDS & QUOTES SHALL BE REVISED BASED ON PLANS LABELED "ISSUE FOR CONSTRUCTION".

COPYRIGHT CARTER ENGINEERING CONSULTANTS, LLC. ALL RIGHTS RESERVED. NO PART OF THIS DOCUMENT MAY BE REPRODUCED IN ANY FORM OR FASHION OR BY ANY MEANS WITHOUT PRIOR CONSENT. AGREEMENT AND WRITTEN PERMISSION FROM CARTER ENGINEERING CONSULTANTS, INC.



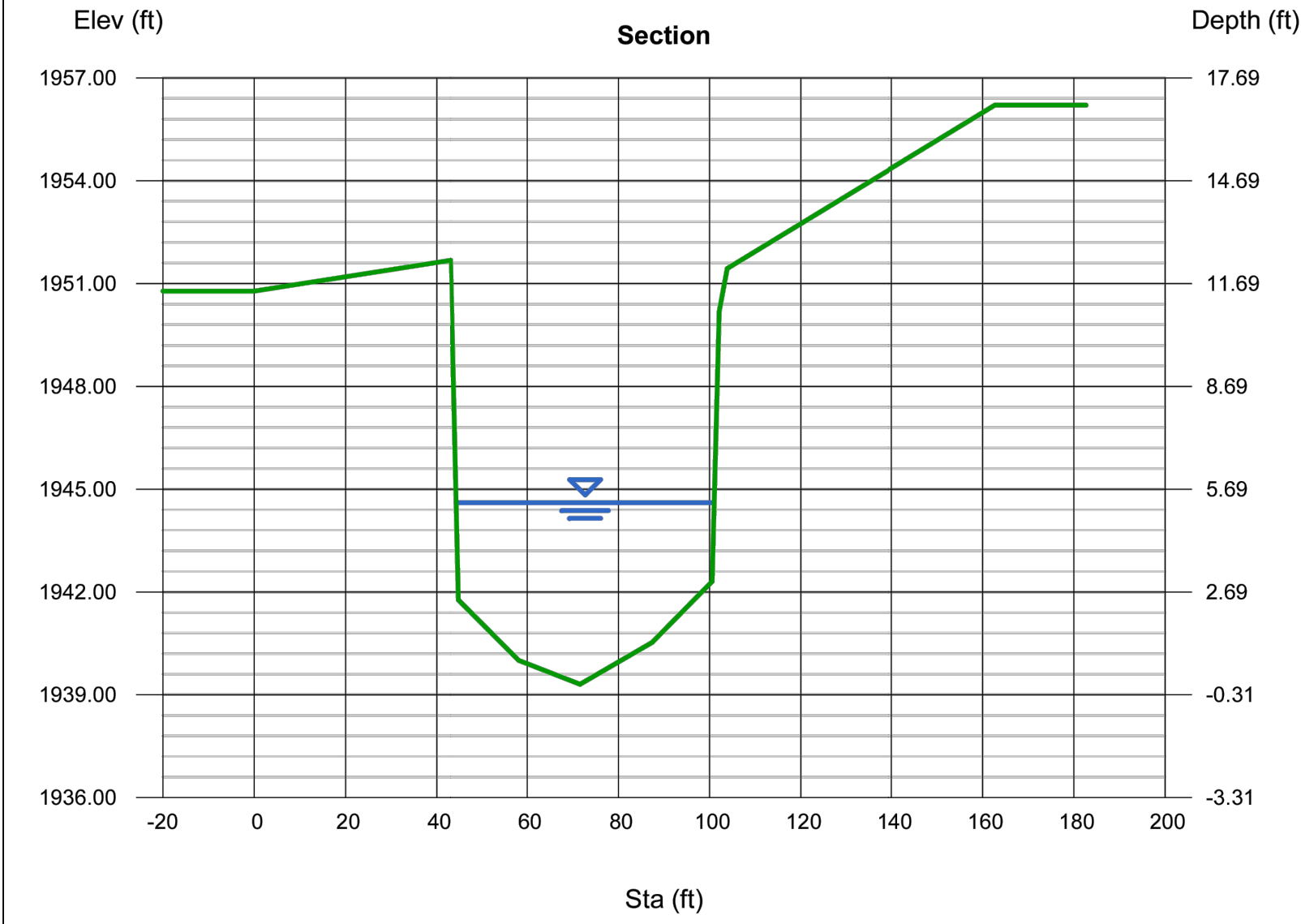
Channel Report

Hydralflow Express Extension for Autodesk® Civil 3D® by Autodesk, Inc. Tuesday, Jun 2 2026

Existing Crossing 100 YR

User-defined		Highlighted	
Invert Elev (ft)	= 1939.31	Depth (ft)	= 5.29
Slope (%)	= 2.60	Q (cfs)	= 3,400
N-Value	= 0.040	Area (sqft)	= 232.55
		Velocity (ft/s)	= 14.62
Calculations		Wetted Perim (ft)	= 61.13
Compute by:	Known Q	Crit Depth, Yc (ft)	= 6.01
Known Q (cfs)	= 3400.00	Top Width (ft)	= 56.56
		EGL (ft)	= 8.61

(Sta, El, n)-(Sta, El, n)...
(0.00, 1950.78)-(43.21, 1951.66, 0.040)-(44.91, 1941.77, 0.040)-(58.16, 1940.00, 0.040)-(71.59, 1939.31, 0.040)-(87.37, 1940.53, 0.040)-(100.53, 1942.31, 0.040)
-(102.10, 1950.18, 0.040)-(103.88, 1951.44, 0.040)-(162.70, 1956.21, 0.040)



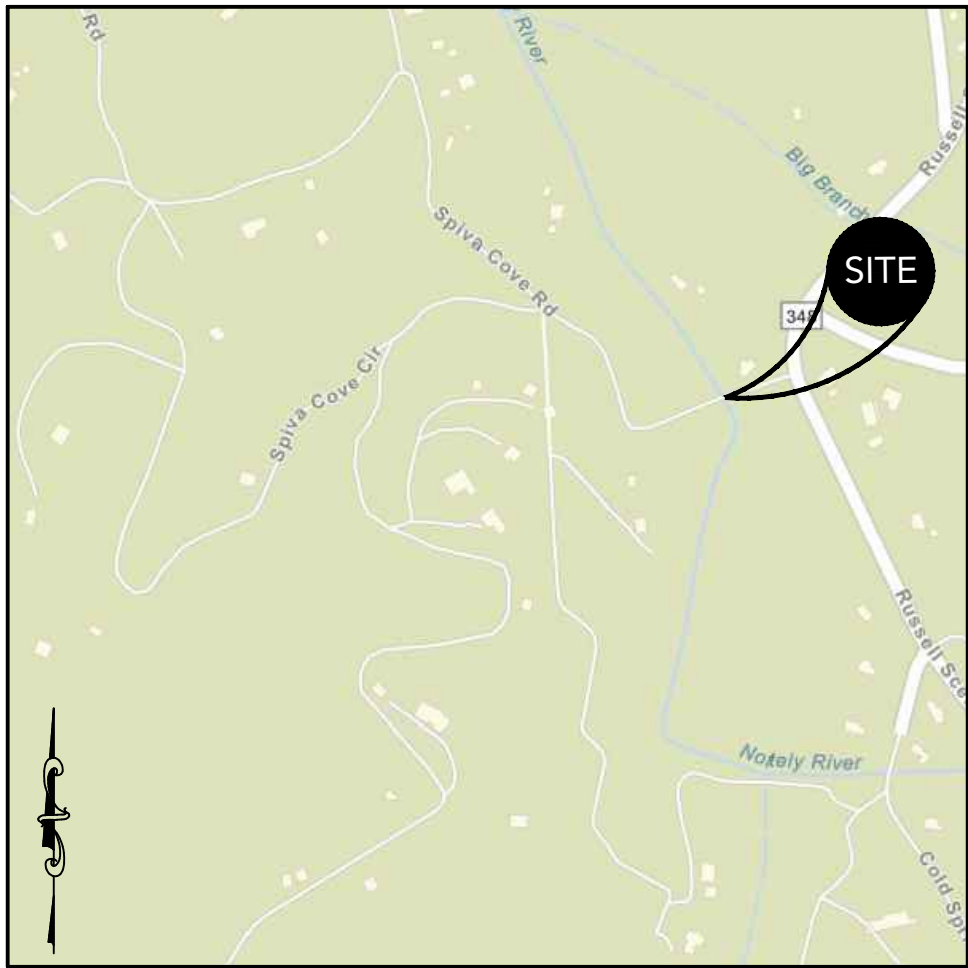
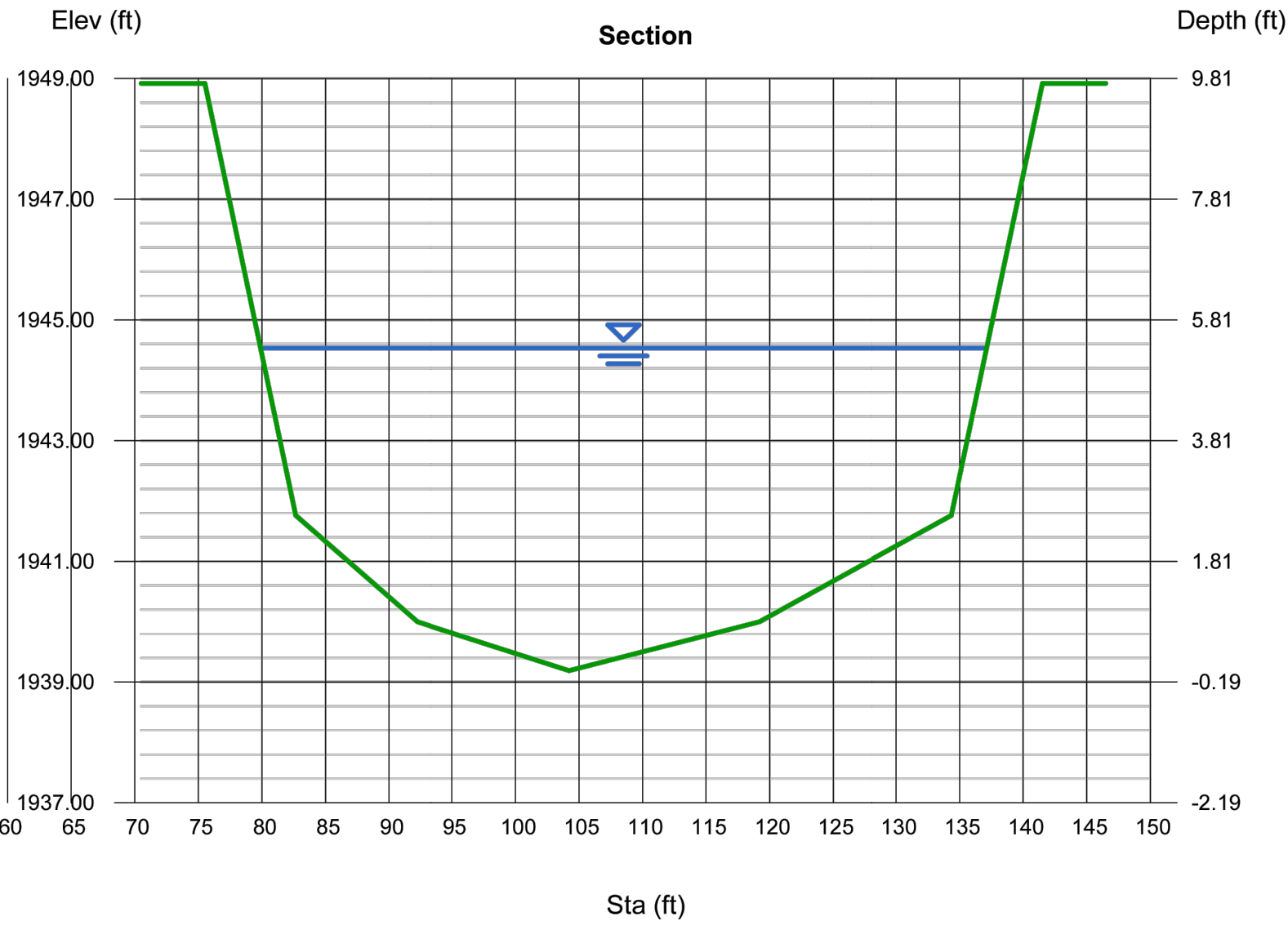
Channel Report

Hydralflow Express Extension for Autodesk® Civil 3D® by Autodesk, Inc. Thursday, Aug 20 2026

Proposed Crossing 100 YR

User-defined		Highlighted	
Invert Elev (ft)	= 1939.19	Depth (ft)	= 5.34
Slope (%)	= 2.60	Q (cfs)	= 3,400
N-Value	= 0.040	Area (sqft)	= 231.00
		Velocity (ft/s)	= 14.72
Calculations		Wetted Perim (ft)	= 59.84
Compute by:	Known Q	Crit Depth, Yc (ft)	= 6.13
Known Q (cfs)	= 3400.00	Top Width (ft)	= 57.23
		EGL (ft)	= 8.71

(Sta, El, n)-(Sta, El, n)...
(75.51, 1946.92)-(82.66, 1941.76, 0.040)-(92.24, 1940.00, 0.040)-(104.22, 1939.19, 0.040)-(119.19, 1940.00, 0.040)-(134.36, 1941.76, 0.040)-(141.51, 1948.92, 0.040)



LOCATION MAP
SCALE: N.T.S.

PROJECT INFORMATION	
DRAWING SET PREPARED BY: CARTER ENGINEERING CONSULTANTS, INC. 1010 COMMERCE DR BOGART, GA 30622 CONTACT: BRIAN KIMSEY, P.E. PHONE: 770.725.1200 BRIAN@CARTERENGINEERING.COM	OWNER/DEVELOPER: UNION COUNTY GOVERNMENT 65 COURTHOUSE STREET, P.O. BOX 1 BLAIRSVILLE, GA 30512 CONTACT: HAROLD COLLINS 706.439.6000 UCCOMMISSIONER@UNIONGOV.COM
SITE INFORMATION	
JURISDICTION	UNION COUNTY
PROPERTY LOCATION	34.769902°, -83.884670 BLAIRSVILLE, GA 30512
PARCEL NUMBER	N/A
CURRENT ZONING	N/A
PROPOSED ZONING	N/A
OVERLAY DISTRICT	N/A
EXISTING USE	EXISTING BRIDGE
PROPOSED USE	N/A
BUFFERS REQUIRED	50' STATE WATERS BUFFER
FEMA FLOOD INSURANCE RATE MAP NO.	13291C0169D
FEMA FIRM DATE	09/28/2007
FEMA SFHA ZONE	ZONE AE
UNDERGROUND UTILITY DISCLAIMER: THE UNDERGROUND UTILITIES SHOWN HEREON HAVE BEEN LOCATED FROM FIELD INFORMATION AND/OR EXISTING DRAWINGS. CARTER ENGINEERING DOES NOT WARRANT THAT THE UNDERGROUND UTILITIES SHOWN COMPRISE ALL SUCH UTILITIES IN THE AREA, EITHER IN SERVICE OR ABANDONED. CARTER ENGINEERING DOES NOT WARRANT THAT THE UNDERGROUND UTILITIES SHOWN ARE IN THE EXACT LOCATION INDICATED. THE OWNER, HIS/HER EMPLOYEES, CONSULTANTS AND CONTRACTORS SHALL HEREBY DISTINCTLY UNDERSTAND THAT THE CARTER ENGINEERING IS NOT RESPONSIBLE FOR THE CORRECTNESS OR SUFFICIENCY OF THIS INFORMATION REGARDING THE UNDERGROUND UTILITIES AND STRUCTURES RELATED TO UNDERGROUND UTILITIES SHOWN HEREON. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO FIELD LOCATE ALL UTILITIES PRIOR TO COMMENCING WORK AND NOTIFY ENGINEER IF A DISCREPANCY IS FOUND. SPECIFICALLY, THE CONTRACTOR SHALL VERIFY THE INVERT ELEVATIONS OF ALL EXISTING STORM AND SANITARY SEWER STRUCTURES PRIOR TO COMMENCEMENT OF STORM AND SANITARY SEWER CONSTRUCTION.	

REVISION BLOCK	REVISION DATE & DESCRIPTION
1	08.21.26 - INITIAL SUBMITTAL
2	...
3	...
4	...
5	...
6	...
7	...
8	...



CARTER ENGINEERING
1010 COMMERCE DRIVE
BOGART, GA 30622
P: 770.725.1200
www.carterengineering.com

SITE DEVELOPMENT PLANS
FOR
SPIVA COVE ROAD
34.769902° -83.884670 - BLAIRSVILLE, GA 30512

SHEET TITLE: CROSSING DETAILS
PROJECT NAME: UNION COUNTY GOVERNMENT
SHEET NUMBER: C 5.1
PROJECT NUMBER: 25011UCGD
DATE: 08.21.26



#4 24 HOUR CONTACT

HAROLD COLLINS: 706.439.6000

#5 PRIMARY PERMITTEE

UNION COUNTY GOVERNMENT
65 COURTHOUSE STREET, P.O. BOX 1
BLAIRSVILLE, GA 30512
PHONE: 706.439.6000
EMAIL: UCCOMMISSIONER@UNIONGOV.COM

#6 PROJECT AREA

TOTAL SITE AREA: - ACRES

TOTAL DISTURBED AREA 0.3 ACRES

#7 CONSTRUCTION EXIST LOCATION

LONGITUDE: -83.884256 WEST

LATITUDE: 34.770037 NORTH

#9 DESCRIPTION OF THE CONSTRUCTION ACTIVITY

THE PROJECT INCLUDES THE REHABILITATION OF AN EXISTING BRIDGE STREAM CROSSING.

#11 PROJECT RECEIVING WATERS

THE RECEIVING WATERS TO THIS PROJECT IS THE NOTTLEY RIVER

#12 SITE VISIT CERTIFICATION

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 DIRECT SUPERVISION.



08.21.26

BRIAN KIMSEY, P.E.
P.E. #26703

DATE

E&SC CERTIFICATION NUMBER 000000003007

#13 SOIL & EROSION CONTROL BMP CERTIFICATION

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 DIRECT SUPERVISION. I CERTIFY THAT THE PERMITTEE'S EROSION, SEDIMENTATION AND POLLUTION CONTROL PLAN PROVIDES FOR AN APPROPRIATE AND COMPREHENSIVE SYSTEM OF BEST MANAGEMENT PRACTICES REQUIRED BY THE GEORGIA WATER QUALITY CONTROL ACT AND THE DOCUMENT "MANUAL FOR EROSION AND SEDIMENT CONTROL IN GEORGIA" (MANUAL) PUBLISHED BY THE GEORGIA SOIL AND WATER CONSERVATION COMMISSION AS OF JANUARY 1 OF THE YEAR IN WHICH THE LAND-DISTURBING ACTIVITY WAS PERMITTED, PROVIDES FOR THE SAMPLING OF (THE RECEIVING WATER) OR THE SAMPLING OF THE STORM WATER OUTFALLS AND THAT THE DESIGNED SYSTEM OF BEST MANAGEMENT PRACTICES AND SAMPLING METHODS IS EXPECTED TO MEET THE REQUIREMENTS CONTAINED IN THE GENERAL NPDES PERMIT NO GAR 100001."



08.21.26

BRIAN KIMSEY, P.E.
P.E. #26703

DATE

E&SC CERTIFICATION NUMBER 000000003007

#14 CERTIFY INSPECTION

THE DESIGN PROFESSIONAL WHO PREPARED THE E&SC PLAN IS TO INSPECT AND CERTIFY THE INSTALLATION OF THE INITIAL SEDIMENT STORAGE REQUIREMENTS AND PERIMETER CONTROL. BMP'S WITHIN 7 DAYS AFTER INSTALLATION. THE DESIGN PROFESSIONAL SHALL DETERMINE IF THESE BMP'S HAVE BEEN INSTALLED AND ARE BEING MAINTAINED AS DESIGNED. THE PERMITTEE MUST CORRECT ALL DEFICIENCIES WITHIN TWO (2) BUSINESS DAYS OF RECEIPT OF INSPECTION REPORT PRIOR TO COMMENCING WITH CONSTRUCTION ACTIVITIES AS REQUIRED BY PART III.D.2 OF THE PERMIT.

#15 NON-EXEMPT ACTIVITIES

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 BUFFERS AS MEASURED FROM THE JURISDICTIONAL DETERMINATION LINE WITHOUT FIRST ACQUIRING THE NECESSARY VARIANCES AND PERMITS

#16 BUFFER ENCROACHMENT

THE PROJECT IS A STREAM CROSSING REPAIR. VARIANCE IS NOT REQUIRED.

#17 AMENDMENT/REVISION STATEMENT

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

#18 WASTE MATERIAL STATEMENT

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

WASTE MATERIALS

ALL WASTE MATERIALS WILL BE COLLECTED AND STORED IN A SECURELY LIDDED METAL DUMPMSTER. THE DUMPMSTER WILL MEET ALL SOLID WASTE MANAGEMENT REGULATIONS. ALL TRASH AND CONSTRUCTION DEBRIS FROM THE SITE WILL BE DEPOSITED IN THE DUMPMSTER. THE DUMPMSTER WILL BE EMPTIED A MINIMUM OF ONCE PER WEEK OR MORE OFTEN IF NECESSARY AND TRASH WILL BE HAULED AS REQUIRED BY LOCAL REGULATIONS. NO CONSTRUCTION WASTE WILL BE BURIED ONSITE.

ALL PERSONNEL WILL BE INSTRUCTED ON PROPER PROCEDURES FOR WASTE DISPOSAL. A NOTICE STATING THESE PRACTICES WILL BE POSTED AT THE JOBSITE AND THE CONTRACTOR WILL BE RESPONSIBLE FOR SEEING THAT THESE PROCEDURES ARE FOLLOWED.

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 JOBSITE WILL BE OBTAINED AND USED FOR THE PROPER MANAGEMENT OF POTENTIAL WASTES THAT MAY RESULT FROM THESE PRODUCTS. AN MSDS WILL BE POSTED IN THE IMMEDIATE AREA WHERE SUCH PRODUCT IS STORED AND/OR USED AND ANOTHER COPY OF EACH MSDS WILL BE MAINTAINED IN THE E&SC PLAN AT THE JOBSITE CONSTRUCTION TRAILER OFFICE. EACH EMPLOYEE WHO MUST HANDLE A SUBSTANCE WITH HAZARDOUS PROPERTIES WILL BE INSTRUCTED ON THE USE OF MSDS SHEETS AND THE SPECIFIC INFORMATION IN THE APPLICABLE MSDS FOR THE PRODUCT HE/SHE IS USING, PARTICULARLY REGARDING SPILL CONTROL TECHNIQUES.

THE CONTRACTOR WILL IMPLEMENT THE SPILL PREVENTION CONTROL AND COUNTERMEASURES (SPCC) PLAN FLOW WITHIN THIS E&SC PLAN WILL TRAIN ALL PERSONNEL IN THE PROPER CLEANUP AND HANDLING OF SPILLED MATERIALS. NO SPILLED HAZARDOUS MATERIALS OR HAZARDOUS WASTES WILL BE ALLOWED TO COME IN CONTACT WITH STORMWATER DISCHARGES. IF SUCH CONTACT OCCURS, THE STORMWATER DISCHARGE WILL BE CONTAINED ON SITE UNTIL APPROPRIATE MEASURE IN COMPLIANCE WITH STATE AND FEDERAL REGULATIONS ARE TAKEN TO DISPOSE OF SUCH CONTAMINATED STORMWATER. IT SHALL BE THE RESPONSIBILITY OF THE JOB SITE SUPERINTENDENT TO PROPERLY TRAIN ALL PERSONNEL IN THE USE OF THE SPCC PLAN.

SANITARY WASTES

A MINIMUM OF ONE PORTABLE SANITARY UNIT WILL BE PROVIDED FROM EVERY TEN (10) WORKERS ON THE SITE. ALL SANITARY WASTE WILL BE COLLECTED FROM THE PORTABLE UNITS A MINIMUM OF ONE TIME PER WEEK BY A LICENSED PORTABLE FACILITY PROVIDER IN COMPLETE COMPLIANCE WITH LOCAL AND STATE REGULATIONS.

ALL SANITARY WASTE UNITS WILL BE LOCATED IN ONE AREA WHERE THE LIKELIHOOD OF THE UNIT CONTRIBUTION TO STORM WATER DISCHARGE IS NEGLIGIBLE. ADDITIONAL CONTAINMENT BMP'S MUST BE IMPLEMENTED, SUCH AS GRAVEL BAGS OR SPECIALLY DESIGNED PLASTIC S&D CONTAINERS AROUND THE BASE, TO PREVENT WASTES FROM CONTRIBUTION TO STORM WATER DISCHARGES. THE LOCATION OF SANITARY WASTE UNITS MUST BE IDENTIFIED ON THE EROSION CONTROL PLAN BY THE CONTRACTOR ONCE THE LOCATIONS HAVE BEEN DETERMINED.

#19 SEDIMENT CONTROL ON-SITE

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.

#20 EROSION CONTROL MEASURES MAINTAINED AT ALL TIMES

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.

#21 EXPOSED DISTURBED AREAS

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

#22 IMPAIRED STREAM SEGMENT

CONSTRUCTION ACTIVITY DOES NOT DISCHARGE INTO AN IMPAIRED STREAM SEGMENT. THE CONSTRUCTION ACTIVITY IS NOT WITHIN 1 LINEAR MILE UPSTREAM OF AND WITHIN THE SAME WATERSHED AS, ANY PORTION OF AN BIOTA IMPAIRED STREAM SEGMENT.

#24 CONCRETE WASH DOWN

THIS PROJECT DOES ALLOW CONCRETE WASH DOWN OF TOOLS, CONCRETE MIXER CHUTES, HOPPERS AND REAR OF THE VEHICLES ON THE PROJECT SITE. THESE ACTIONS ARE ONLY ALLOWED AT SPECIFIED LOCATIONS. WASHOUT OF THE DRUM AT THE CONSTRUCTION SITE IS PROHIBITED.

#25 BMP REMEDIATION FOR PETROLEUM SPILLS AND WASTE

PETROLEUM BASED PRODUCTS - CONTAINERS FOR PRODUCTS SUCH AS FUELS, LUBRICANTS AND TARS WILL BE INSPECTED DAILY FOR LEAKS AND SPILLS. THIS INCLUDES ALL VEHICLES AND EQUIPMENT DAILY INSPECTIONS AND REGULAR PREVENTATIVE MAINTENANCE OF SUCH EQUIPMENT. EQUIPMENT MAINTENANCE AREAS WILL BE LOCATED AWAY FROM STATE WATER, NATURAL DRAINS AND STORM WATER DRAINAGE INLETS. IN ADDITION, TEMPORARY FUELING TANKS SHALL HAVE A SECONDARY CONTAINMENT UNER 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 PRODUCT WILL NOT BE DISCHARGED TO THE STORM WATER 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 - CONCRETE TRUCKS WILL BE ALLOWED TO WASH OUT OR DISCHARGE SURPLUS CONCRETE WASH WATER ONSITE AT THE SPECIFIED LOCATION. WASHOUT OF DRUM IS PROHIBITED 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 GSWDC 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 ONSITE. ALL SUCH MATERIAL WILL BE DISPOSED OF IN PROPER WASTE DISPOSAL PROCEDURES.

SPILL CLEANUP AND CONTROL PROCEDURES

- 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 OF SPILL CLEANUP WILL BE KEPT IN THE MATERIAL STORAGE AREAS. TYPICAL MATERIALS AND EQUIPMENT INCLUDES, BUT IS NOT LIMITED TO, BROOMS, DUSTPANS, MAPS, RAGS, GLOVES, GOGGLES, CAT LITTER, SAND, SAWDUST AND PROPERLY LABELED PLASTIC AND METAL WASTE CONTAINERS.
- SPLIT 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 CENTER (NRC) WILL BE CONTACTED WITH 24 HOURS AT 1 - 800 - 424 - 8802.
- FOR SPILLS GREATER THAN 25 GALLONS AND NO SURFACE WATER IMPACTS. THE GEORGIA EPD WILL BE CONTACTED WITHIN 24 HOURS.

-FOR SPILLS LESS 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 1320 GALLONS OF OIL IS STORED ONSITE (THIS INCLUDES CAPACITIES OF EQUIPMENT). THE CONTRACTOR WILL NEED A SPILL PREVENTION CONTAINMENT AND COUNTERMEASURES PLAN PREPARED BY THAT LICENSED PROFESSIONAL.

#26 POLLUTANT CONTROL AFTER CONSTRUCTION IS COMPLETED

NO POST STORM WATER POLLUTANTS ARE ANTICIPATED. ALL DISTURBED AREAS WILL BE PERMANENTLY STABILIZED WITH PERMANENT VEGETATION ONCE CONSTRUCTION ACTIVITY IS COMPLETED. SEE SHEET C.8.5 FOR DETAILS.

#27 COVER FOR BUILDING MATERIALS

THE CONTRACTOR SHALL LOCATE ALL BUILDING MATERIALS, BUILDING PRODUCTS, CONSTRUCTION WASTES, TRASH, LANDSCAPE MATERIALS, FERTILIZERS, PESTICIDES, HERBICIDES, DETERGENTS, SANITARY WASTES, AND OTHER MATERIALS IN A LOCATION FREE FROM STORMWATER RUNOFF. IN ADDITION, THE CONTRACTOR SHALL PROTECT THESE MATERIALS FROM PRECIPITATION BY COVERING WITH PLASTIC SHEETING OR A TEMPORARY ROOF THROUGHOUT THE DURATION OF THE CONSTRUCTION PERIOD.

#28 STORM WATER POLLUTION BMPs

THE PROPOSED CONSTRUCTION EXIT AND SILT FENCE WILL SERVE AS BMPs FOR THE PROJECT.

#29 ACTIVITY SCHEDULE

TASK DESCRIPTION:	MONTHS (2026-2027)				
	MONTH 1	MONTH 2	MONTH 3	MONTH 4	MONTH 5
PERMITTER SILT FENCE					
INITIAL SEDIMENT STORAGE BMPs					
DEMO					
BRIDGE INSTALLATION					
FINAL GRADING					
FINAL STABILIZATION					
MAINTENANCE					

#30 INSPECTIONS

A. PERMITTEE REQUIREMENTS

- 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 AT 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.
- 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.
- CERTIFIED PERSONNEL (PROVIDED BY THE PRIMARY PERMITTEE) SHALL INSPECT THE FOLLOWING AT LEAST ONCE EVERY SEVEN (7) CALENDAR DAYS: (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. CERTIFIED PERSONNEL SHALL ALSO CONDUCT INSPECTIONS 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). POST-RAIN INSPECTIONS WILL RESET THE 7-DAY INSPECTION FREQUENCY REQUIREMENT. 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 WATERS). 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.
- 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 HAS BEEN SUBMITTED) 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 WATERS). 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 WATERS).
- 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.
- 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 AND THOR PORTION OF A CONSTRUCTION SITE THAT HAS BEEN PHASED HAS UNDERGONE FINAL STABILIZATION AND A NOTICE OF TERMINATION IS SUBMITTED TO EPD. SUCH REPORTS SHALL BE READILY AVAILABLE BY END OF THE SECOND 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 CERTIFICATION 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.6.2. OF THIS PERMIT.

#31 SAMPLING FREQUENCY

- 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 IN FORTY-FIVE (45) MINUTES OR AS SOON AS POSSIBLE.
- 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 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 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 EITHER 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 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.

REPORTING:

1. THE APPLICABLE PERMITTEES ARE REQUIRED TO SUBMIT THE SAMPLING RESULTS TO THE EPD AT THE ADDRESS SHOWN IN PART I.I.C. 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 STORMWATER DISCHARGES (OR THE RECEIVING WATERS) BEYOND THE MINIMUM FREQUENCY STATED IN THIS PERMIT MUST BE REPORTED IN A SIMILAR MANNER TO THE EPD. THE SAMPLING REPORTS MUST BE SIGNED IN ACCORDANCE WITH PART V.G.2. 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; AND

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 EPD DISTRICT OFFICE OR DELIVERY RECEIPT EMAIL TO THE APPROPRIATE EPD DISTRICT OFFICE RESOURCE MAILBOX 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.

#32 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 THE EROSION, SEDIMENTATION AND POLLUTION CONTROL PLAN 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 SAMPLING INFORMATION, RESULTS, AND REPORTS REQUIRED BY 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. 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 STRIP 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 NOTY 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 ALTERNATIVE LOCATION ONCE THE CONSTRUCTION ACTIVITY HAS CEASED AT THE LIMITED SITE. THIS PERIOD MAY BE EXTENDED BY REQUEST OF THE EPD AT ANY TIME UPON WRITTEN NOTIFICATION TO THE PERMITTEE.

#33 STORMWATER SAMPLING

SAMPLE ANALYSIS

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 136 (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.

STORM WATER IS TO BE SAMPLED FOR NEPHELOMETRIC TURBIDITY UNITS (NTU) AT THE OUTFALL LOCATION. A DISCHARGE OF STORM WATER RUNOFF FROM DISTURBED AREAS WHERE BEST MANAGEMENT PRACTICES HAVE NOT BEEN PROPERLY DESIGNED, INSTALLED AND MAINTAINED SHALL CONSTITUTE A SEPARATE VIOLATION FOR EACH DAY ON WHICH SUCH CONDITION RESULTS IN THE TURBIDITY OF THE DISCHARGE EXCEEDING 25. THE VALUE THAT WAS SELECTED FROM APPENDIX B IN PERMIT NO. GR 1000001. THE NTU IS BASED UPON THE DISTURBED ACREAGE OF 0.3 ACRES FOR THE PROJECT SITE. THE SURFACE WATER DRAINAGE AREA OF >1.0 SQUARE MILES, AND RECEIVING WATER WHICH SUPPORTS COLD WATER FISHERIES.

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 136 (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.

PER NPDES PERMIT, GR 100001, "SAMPLE CONTAINERS SHOULD BE LABELED PRIOR TO COLLECTING THE SAMPLES. SAMPLES SHOULD BE WELL MIXED BEFORE TRANSFERRING TO A SECONDARY CONTAINER. 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. MANUAL, AUTOMATIC OR RISING STAGE SAMPLING MAY BE UTILIZED.

#34 SAMPLING POINTS AND NTU REQUIREMENTS

APPENDIX B

Nephelometric Turbidity Unity (NTU) TABLES

COLD WATER (Trout Stream)

Surface Water Drainage Area, Square Miles

	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	25	50	75	150	300	500	500	500
10.01-25	50	25	50	75	150	200	500	500
SITE SIZE, 25.01-50	25	25	25	50	75	100	300	500
ACRES, 50.01-100	20	25	25	35	59	75	150	300
100.01+	20	20	25	25	25	50	60	100

WARM WATER (SUPPORTING WARM WATER FISHERIES)

Surface Water Drainage Area, Square Miles

	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	75	150	200	400	750	750	750	750
10.01-25	50	100	100	200	300	500	750	750
SITE SIZE, 25.01-50	50	50	100	100	200	300	750	750
ACRES, 50.01-100	50	50	100	100	100	150	600	600
100.01+	50	50	50	50	50	100	200	100

38 & 39 ALTERNATIVE BMP'S

N/A - THERE ARE NO ALTERNATIVE BMP'S ASSOCIATED WITH THIS PROJECT.

41 & 42 WETLANDS, STATE WATERS, BUFFERS

FEMA FLOOD INSURANCE RATE MAP NO. 13291CL0169D, DATED 09/28/2007 INDICATES THAT THIS PROPERTY IS LOCATED IN ZONE AE. THERE ARE NO WETLANDS WITHIN 200-FOOT OF THE PROJECT SITE.

#45 PEAK DISCHARGE FLOW

PRE-DEVELOPED CONDITIONS Q100 = 3400 CFS

POST DEVELOPED CONDITIONS Q100 = 3400 CFS

#47 SOIL

EROSION, SEDIMENTATION & POLLUTION CONTROL PLAN CHECKLIST - STAND ALONE CONSTRUCTION PROJECTS			
Project Name		SWDC: BLUE RIDGE MOUNTAIN SWDC	
Address		BRIAN KIMSEY, P.E. - BRIAN@CARTERENGINEERING.COM	
City/County		21/08/2026 Date on Plan	
Sheet #	Included	TO BE SHOWN ON ES&PC PLAN	
C.6.0		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.6.0 - C.6.1		2. Level II certification number issued by the Commission, signature and seal of the certified design professional	
NA		3. Limits of disturbance shall be less than 50 acres at any one time without prior written authorization from the GAEPD District Office. If GAEPD approves the request to disturb 50 acres or more at any one time, the Plan must include the GAEPD approved letter and completed Appendix 1 of this checklist with at least 4 of the chosen BMPs. *	
C.6.0		4. The name and phone number of the 24-hour contact responsible for erosion, sedimentation and pollution controls.	
C.6.0		5. Provide the name, address, email address, and phone number of primary permittee.	
C.6.0		6. Note total and disturbed acreages of the project or phase under construction.	
ALL		7. Provide the GPS location of the construction exit for the site. Give the Latitude and Longitude in decimal degrees.	
C.6.0		8. Initial date of the Plan and the dates of any revisions made to the Plan including the entity who requested the revision.	
C.6.0		9. Description of the nature of construction activity and existing site conditions.	
C.6.1		10. Provide vicinity map showing site's relation to surrounding areas. Include designation of specific phase, if necessary.	
C.6.0		11. Identify the project receiving waters and describe all sensitive adjacent areas including streams, lakes, residential areas, wetlands, marshlands, etc. which may be affected.	
C.6.0		12. 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 20 of the permit.	
C.6.0		13. 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.6.0		14. Clearly note the statement that "The design professional who prepared the ES&PC Plan is to inspect and certify the installation of the initial sediment storage requirements and perimeter control BMPs within 7 days after installation."	
C.6.0		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 wasted 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."	
NA		16. Provide a description of any buffer encroachments and indicate whether a buffer variance is required.	
C.6.0		17. Clearly note the statement that "Amendments/revisions to the ES&PC Plan which have a significant effect on BMPs with a hydraulic component must be certified by the design professional." *	
C.6.0		18. Clearly note the statement that "Waste materials shall not be discharged to waters of the State, except as authorized by a Section 404 permit." *	
C.6.0		19. Clearly note statement that "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."	
C.6.0		20. Clearly note statement that "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."	
C.6.0		21. Clearly note the statement "Any disturbed area left exposed for a period greater than 14 days shall be stabilized with mulch or temporary seeding."	
C.6.0		22. Any construction activity which discharges storm water into a Biate Impaired Stream Segment, or within 1 linear mile upstream of and within the same watershed as, any portion of a Biate Impaired Stream Segment must comply with Part III, C. of the permit. Include the completed Appendix 1 of this checklist with at least 4 of the chosen BMPs that will be used for those areas of the site with discharge to the Impaired Stream Segment. *	
NA		23. If a TMDL Implementation Plan for sediment has been finalized for the Biate Impaired Stream Segment (identified in Item 22 above) at least six months prior to submittal of NOI, the ES&PC Plan must address any site-specific conditions or requirements included in the TMDL Implementation Plan. *	
C.6.0		24. BMPs for concrete washdown of tools, concrete mixer chutes, hoppers and the rear of the vehicles. Washout of the drum at the construction site is prohibited. *	
C.6.0		25. Provide BMPs for the remediation of all petroleum spills and leaks.	
C.6.0		26. Description of the measures that will be installed during the construction process to control pollutants in storm water that will occur after construction operations have been completed. *	
C.6.0		27. Description of practices to provide cover for building materials and building products on site. *	
C.6.0		28. Description of the practices that will be used to reduce the pollutants in storm water discharges. *	
C.6.1		29. Description and chart or timeline of the intended sequence of major activities which disturb soils for the major portion of the site (i.e., initial perimeter and sediment storage BMPs, clearing and grubbing activities, excavation activities, utility activities, grading, infrastructure, temporary and final stabilization).	
C.6.0		30. Provide complete requirements of Inspections and record keeping by the Primary Permittee. *	
C.6.0		31. Provide complete requirements of Sampling Frequency and Reporting of sampling results. *	
C.6.0		32. Provide complete details for Retention of Records as per Part IV.F. of the permit. *	
C.6.0		33. Description of analytical methods to be used to collect and analyze the samples from each location. *	
C.6.0		34. Appendix B rationale for NTU values at all outfall sampling points where applicable. *	
C.6.1		35. Delineate all sampling locations on all phases of the Plan, and perennial and intermittent streams and other water bodies into which storm water is discharged. *	
C.6.1		36. A description of appropriate controls and measures that will be implemented at the construction site including: (1) initial sediment storage requirements and perimeter control BMPs, (2) intermediate grading and drainage BMPs, and (3) final BMPs. For construction sites where there will be no mass grading and the initial sediment storage requirements or initial perimeter control BMPs, intermediate grading and drainage BMPs, and final BMPs are the same, the Plan may combine all of the BMPs into a single phase plan. *	
C.6.1		37. Grading scale and North arrow.	
C.6.1		38. Existing and proposed contour lines with contour lines drawn at an interval in accordance with the following: Map Scale: 1=100' or larger Scale Contour Intervals: 0.5 or 1; 1 or 2; 2, 5 or 10 Ground Slope: Flat = 0.2 % ; Rolling = 2 - 8 % ; Steep = 8% +	
NA		39. Use of alternative BMPs whose performance has been documented to be equivalent to or superior to conventional BMPs as certified by a Design Professional (unless disapproved by GAEPD or the Georgia Soil and Water Conservation Commission). Please refer to the Alternative BMP Guidance Document found at www.gawcc.georgiagov .	
NA		40. Use of alternative BMPs for application to the Equivalent BMP List. Please refer to Appendix A-2 of the Manual for Erosion & Sediment Control in Georgia 2016 Edition.	
ALL SHEETS		41. Delineation of the applicable 25-foot or 50-foot undisturbed buffers adjacent to state waters and any additional buffers required by the Local Issuing Authority. Clearly note and delineate all areas of impact.	
ALL SHEETS		42. Delineation of all State Water and wetlands located on or within 200 - feet of the project site.	
N/A		43. Delineation and acreage of contributing drainage basins on the project site.	
N/A		44. Provide hydrology study and maps of drainage basins for both the pre- and post-developed conditions. *	
C.6.0		45. An estimate of the runoff coefficient or peak discharge flow of the site prior to and after construction activities are completed. For solar farm projects, solar panels are to be considered impervious areas when determining the calculations and the post-construction impervious area shall be calculated as 70% of the square footage of the solar panels.	
C.6.3		46. Storm-drain pipe and well velocities with appropriate outlet protection to accommodate discharges without erosion. Identify/Delineate all storm water discharge points.	
C.6.1		47. Soil series for the project site and their delineation.	
C.6.1		48. The limits of disturbance for each phase of construction.	
C.6.1		49. Provide a minimum of 67 cubic yards of sediment storage per acre drained using a temporary sediment basin, retrofitted detention pond, and/or excavated inlet sediment traps for each common drainage location. Sediment storage volume must be in place prior to and during all land disturbance activities until final stabilization of the site has been achieved. A written justification explaining the decision to use equivalent controls when a sediment basin is not attainable must be included in the Plan for each common drainage location in which a sediment basin is not provided. A written justification as to why 67 cubic yards of storage is not attainable must also be given. Worksheets from the Manual included for structural and all calculations used by the storage design professional to obtain the required sediment when using equivalent controls. When discharging from sediment basins and impoundments, permittees are required to utilize outlet structures that withdraw water from the surface, unless infeasible. If outlet structures that withdraw water from the surface are not feasible, a written justification explaining this decision must be included in the Plan.	
C.6.1		50. Location of Best Management Practices that are consistent with and no less stringent than, the Manual for Erosion and Sediment Control in Georgia. Use uniform coding symbols from the Manual, Chapter 6, with legend.	
C.6.3		51. Provide detailed drawings for all structural practices. Specifications must, at a minimum, meet the guidelines set forth in the Manual for Erosion and Sediment Control in Georgia.	
C.6.3		52. Provide vegetative plan, noting all temporary and permanent vegetative practices. Include species, planting dates and seeding, fertilizer, lime and mulching rates. Vegetative plan shall be site specific for appropriate time of the year that seeding will take place and for the appropriate geographic region of Georgia.	

* If using this checklist for a project that is less than 1 acre and not part of a common development but within 200 ft of a perennial stream, the "checklist items would be N/A.

REVISION BLOCK	
ISSUE	REVISION DATE & DESCRIPTION
1	08.21.26 - INITIAL SUBMITTAL
2	
3	
4	
5	
6	
7	
8	



GSWCC Level II Certification
No. 000000003007



CARTER
ENGINEERING

CARTER ENGINEERING
1010 COMMERCE DRIVE
BOGART, GA 30622

P: 770.725.1200
www.carterengineering.com

SITE DEVELOPMENT PLANS

FOR

SPIVA COVE ROAD

34.769902' , -83.884670 - BLAIRSVILLE, GA 30512

SHEET TITLE:

**EROSION
CONTROL NOTES**

PROJECT NAME:

**UNION COUNTY
GOVERNMENT**

SHEET NUMBER:

C 6.0

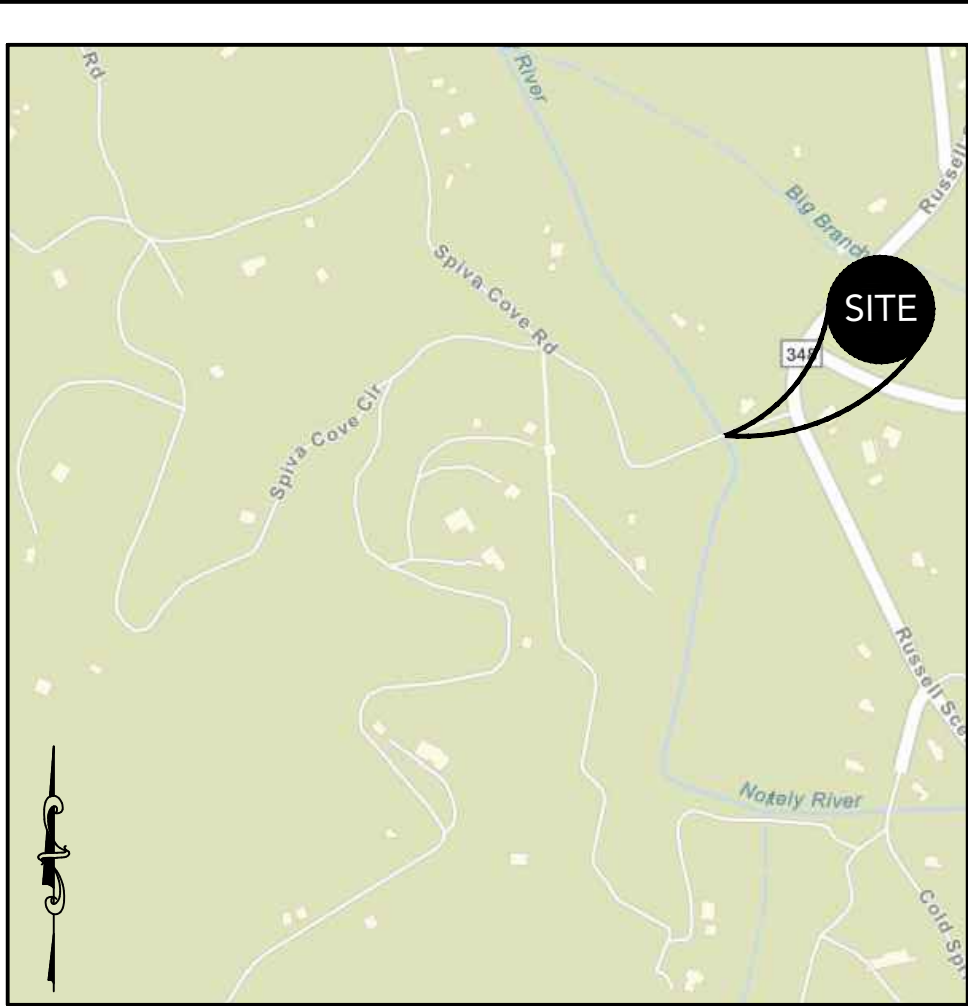
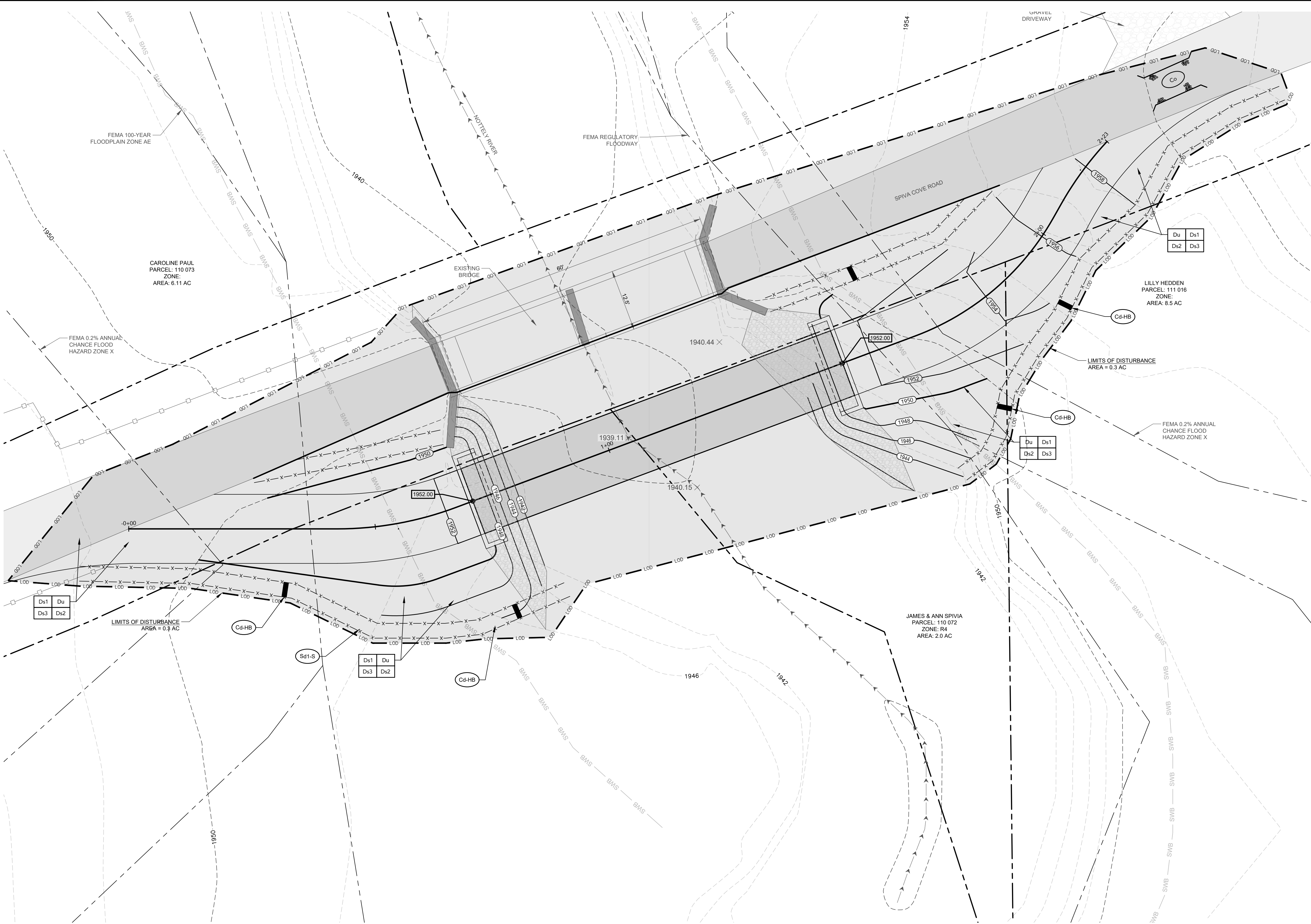
PROJECT NUMBER:

25011UCGD

DATE:

08.21.26

COPYRIGHT CARTER ENGINEERING CONSULTANTS, LLC. ALL RIGHTS RESERVED. NO PART OF THIS DOCUMENT MAY BE REPRODUCED IN ANY FORM OR FASHION OR BY ANY MEANS WITHOUT PRIOR CONSENT. AGREEMENT AND WRITTEN PERMISSION FROM CARTER ENGINEERING CONSULTANTS, INC.



LOCATION MAP
SCALE: N.T.S.

SOIL AND EROSION CONTROL NOTES

DEVELOPER/OWNER: UNION COUNTY GOVERNMENT
65 COURTHOUSE STREET, P.O. BOX 1
BLAIRSVILLE, GA 30512

24-HOUR CONTACT: HAROLD COLLINS
706.439.6000

PROJECT DESCRIPTION:
THE PROJECT INCLUDES THE REHABILITATION OF AN EXISTING BRIDGE STREAM CROSSING.

EXISTING CONDITIONS:
EXISTING LAND IS COMPRISED OF A FAILING BRIDGE STREAM CROSSING

TOTAL TRACT: - AC
DISTURBED AREA: 0.3 AC

CRITICAL AREAS: THERE ARE NO CRITICAL AREAS ON SITE. ALL SLOPES STEEPER THAN 3:1 SHALL HAVE EROSION CONTROL MATTING INSTALLED. THERE ARE NO STATE WATERS WITHIN 200 FEET OF THE PROJECT SITE. THERE ARE NO WETLANDS LOCATED ON OR WITHIN THE PROJECT LIMITS.

1. ADDITIONAL MEASURES WILL BE ADDED IF DEEMED NECESSARY BY ON SITE INSPECTION.
2. 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.
3. EROSION CONTROL MEASURES SHALL 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. PRACTICES WILL BE CHECKED DAILY.
4. STANDARD AND SPECIFICATIONS: ALL DESIGN WILL CONFORM TO AND ALL WORK WILL BE PERFORMED IN ACCORDANCE WITH THE STANDARDS AND SPECIFICATIONS SET FORTH IN THE STATE APPROVED EROSION CONTROL DESIGN MANUAL.
5. THE CONTRACTOR SHALL OBSERVE THE PROJECT SCHEDULE SHOWN ON THE PLANS. THE CONTRACTOR SHALL MAINTAIN CAREFUL SCHEDULING AND PERFORMANCE TO INSURE THAT LAND STRIPPED OF ITS NATURAL COVER IS EXPOSED ONLY IN SMALL TIME PERIODS.
6. PRIOR TO COMMENCING LAND DISTURBING ACTIVITY, THE LIMITS OF LAND DISTURBANCE AND ALL STREAM BUFFERS SHALL BE CLEARLY AND ACCURATELY DEMARCATED WITH STAKES, RIBBONS, AND/OR OTHER APPROPRIATE MEANS. THE LOCATION AND EXTENT OF ALL AUTHORIZED LAND DISTURBANCE ACTIVITY SHALL BE DEMARCATED FOR THE DURATION OF THE CONSTRUCTION AND NO LAND DISTURBANCE SHALL OCCUR OUTSIDE APPROVED LIMITS.
7. A STABILIZED CONSTRUCTION ENTRANCE SHALL BE INSTALLED AT EACH POINT OF ENTRY/EXIT FROM THE SITE ONTO ANY PUBLIC ROADWAY PRIOR TO ANY OTHER CONSTRUCTION.
8. AS INDICATED ON THE ACTIVITY SCHEDULE ON THE SHEET LABELED "EROSION CONTROL NOTES", SEDIMENT CONTROLS AT THE PERIMETER AND THE CONSTRUCTION EXITS WILL BE CONSTRUCTED PRIOR TO CLEARING OR GRADING OF ANY PORTION OF THE SITE.
9. ANY DISTURBED AREA LEFT EXPOSED FOR A PERIOD GREATER THAN 14 DAYS SHALL BE STABILIZED WITH MULCH OR TEMPORARY SEEDING.
10. ONCE CONSTRUCTION ACTIVITY CEASES PERMANENTLY IN AN AREA, THAT AREA WILL BE STABILIZED WITH PERMANENT SEED AND MULCH. AFTER THE ENTIRE SITE IS STABILIZED, ALL ACCUMULATED SEDIMENT WILL BE REMOVED AND DISPOSED OF PROPERLY AND ALL PERIMETER SEDIMENT CONTROLS WILL BE REMOVED.
11. ALL DRAIN INLET PROTECTION DEVICES ARE TO BE REMOVED WITHIN 30 DAYS AFTER THE SITE HAS BEEN STABILIZED, OR WHEN INLET PROTECTION IS NO LONGER NEEDED. THE AREA AROUND THE INLET IS TO BE CLEANED AND RE-GRADED. IN ADDITION, THE INSIDE OF THE STORM DRAIN INLET MUST BE CLEARED AND BE FREE OF SEDIMENT AND DEBRIS AT THE TIME OF FINAL INSPECTION.
12. THE CONTRACTOR SHALL BE RESPONSIBLE FOR REMOVING ALL TEMPORARY BMPs.

EROSION CONTROL LEGEND

VEGETATIVE MEASURES

Ds1 DISTURBED AREA STABILIZATION (WITH MULCHING ONLY)	Ds3 DISTURBED AREA STABILIZATION (WITH PERMANENT VEGETATION)
Ds2 DISTURBED AREA STABILIZATION (WITH TEMPORARY SEEDING)	Du DUST CONTROL

STRUCTURAL MEASURES

Co CONSTRUCTION EXIT	Sd1-S SILT FENCE TYPE SENSITIVE
Cd-Hb HAYBALE CHECK DAM	

THERE ARE STATE WATERS WITHIN 200 FEET OF THE PROJECT SITE. AN UNNAMED TRIBUTARY TO NOTLEY RIVER FLOWS SOUTH TO NORTH THROUGH THE PROPERTY. THE TRIBUTARY AND STATE WATERS BUFFER IS DELINEATED ON THIS PLAN SET.

DESCRIPTION: EXISTING LAND IS COMPRISED OF A BRIDGE. THE PROPOSED PROJECTS INCLUDES THE INSTALLATION OF A NEW BRIDGE PARALLEL TO THE EXISTING ONE.

CRITICAL AREAS: THERE ARE NO CRITICAL AREAS ON SITE. ALL SLOPES STEEPER THAN 3:1 SHALL HAVE EROSION CONTROL MATTING INSTALLED.

PROJECT CONSTRUCTION AREA

SEDIMENT STORAGE CALCULATIONS:

Drainage Area = 9.344 Ac
Disturbed area = 0.3 Ac
Required Sed. Storage = 0.3 Ac * 67 CY/Ac = 20.1 CY

Sed. Storage Provided by the following BMPs (See notes for calculation formulas):

- Silt Fence Storage = Length of silt fence * 0.216 CY/LF = 582 LF * 0.216 CY/LF = 125.7 CY

Total Volume of BMPs = 125.7 CY

NOTE: CONSTRUCTION DISTURBED AREA SHOWN ON E83C PLAN. ALL ADDITIONAL DISTURBED AREAS SHALL BE UP GRADIENT OF THE PROPOSED BMP'S. IT IS THE CONTRACTOR'S RESPONSIBILITY TO MAINTAIN ALL BMP'S THROUGHOUT CONSTRUCTION AND PREVENT SEDIMENT FROM MIGRATING DOWN GRADIENT AT ALL TIMES.

GEORGIA811
Utilities Protection Center, Inc.
Know what's below
Call before you dig

GRID NORTH

GRAPHIC SCALE
SCALE: 1" = 10'

REVISION BLOCK

ISSUE	REVISION DATE & DESCRIPTION
1	08.21.26 - INITIAL SUBMITTAL
2	
3	
4	
5	
6	
7	
8	

GEORGIA REGISTERED PROFESSIONAL ENGINEER
No. 26703
BRIAN KIMSEY
GSVCC Level II Certification No. 000000003007

CARTER ENGINEERING

CARTER ENGINEERING
1010 COMMERCE DRIVE
BOGART, GA 30622
P: 770.725.1200
www.carterengineering.com

SITE DEVELOPMENT PLANS FOR
SPIVA COVE ROAD
34.769902° -83.884670 - BLAIRSVILLE, GA 30512

SHEET TITLE:
EROSION CONTROL PLAN

PROJECT NAME:
UNION COUNTY GOVERNMENT

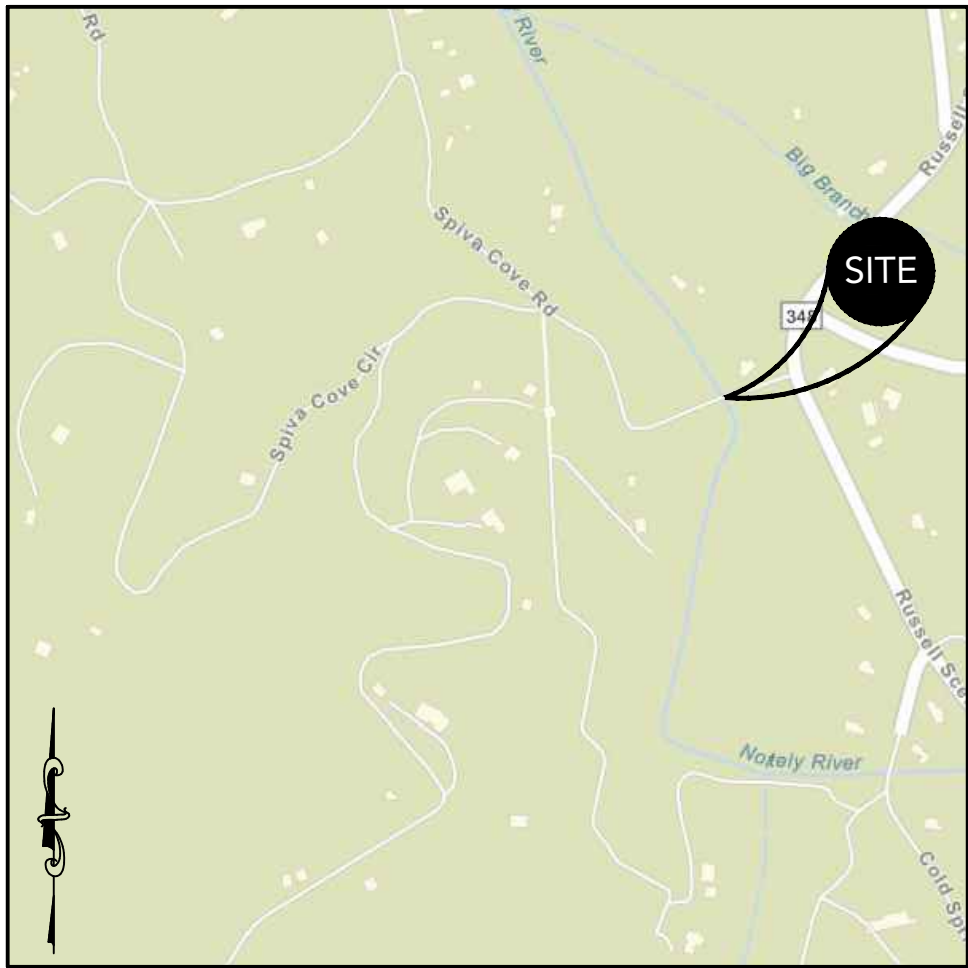
SHEET NUMBER:
C 6.1

PROJECT NUMBER:
25011UCGD

DATE:
08.21.26

ENGINEER/DESIGNER NOT RESPONSIBLE FOR COST CHANGES DURING PRELIMINARY PHASE. BIDS & QUOTES SHALL BE BASED ON PLAN SETS LABELED "ISSUE FOR BID". BIDS & QUOTES SHALL BE REVISED BASED ON PLANS LABELED "ISSUE FOR CONSTRUCTION".

COPYRIGHT CARTER ENGINEERING CONSULTANTS, LLC. ALL RIGHTS RESERVED. NO PART OF THIS DOCUMENT MAY BE REPRODUCED IN ANY FORM OR FASHION OR BY ANY MEANS WITHOUT PRIOR CONSENT. AGREEMENT AND WRITTEN PERMISSION FROM CARTER ENGINEERING CONSULTANTS, INC.



LOCATION MAP
SCALE: N.T.S.

SOIL AND EROSION CONTROL NOTES

DEVELOPER/OWNER

24-HOUR CONTACT

PROJECT DESCRIPTION:

EXISTING CONDITIONS:

EXISTING LAND IS COMPRISED OF A FAILING BRIDGE STREAM CROSSING

TOTAL TRACT: - AC

DISTURBED AREA: 0.3 AC

CRITICAL AREAS: THERE ARE NO CRITICAL AREAS ON SITE. ALL SLOPES STEEPER THAN 3:1 SHALL HAVE EROSION CONTROL MATTING INSTALLED. THERE ARE NO STATE WATERS WITHIN 200 FEET OF THE PROJECT SITE. THERE ARE NO WETLANDS LOCATED ON OR WITHIN THE PROJECT LIMITS.

1. ADDITIONAL MEASURES WILL BE ADDED IF DEEMED NECESSARY BY ON-SITE INSPECTION.

2. 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.

3. EROSION CONTROL MEASURES SHALL 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. PRACTICES WILL BE CHECKED DAILY.

4. STANDARD AND SPECIFICATIONS: ALL DESIGN WILL CONFORM TO AND ALL WORK WILL BE PERFORMED IN ACCORDANCE WITH THE STANDARDS AND SPECIFICATIONS SET FORTH IN THE STATE APPROVED EROSION CONTROL DESIGN MANUAL.

5. THE CONTRACTOR SHALL OBSERVE THE PROJECT SCHEDULE SHOWN ON THE PLANS. THE CONTRACTOR SHALL MAINTAIN CAREFUL SCHEDULING AND PERFORMANCE TO INSURE THAT LAND STRIPPED OF ITS NATURAL COVER IS EXPOSED ONLY IN SMALL TIME PERIODS.

6. PRIOR TO COMMENCING LAND DISTURBING ACTIVITY, THE LIMITS OF LAND DISTURBANCE AND ALL STREAM BUFFERS SHALL BE CLEARLY AND ACCURATELY DEMARCATED WITH STAKES, RIBBONS, AND/OR OTHER APPROPRIATE MEANS. THE LOCATION AND EXTENT OF ALL AUTHORIZED LAND DISTURBANCE ACTIVITY SHALL BE DEMARCATED FOR THE DURATION OF THE CONSTRUCTION AND NO LAND DISTURBANCE SHALL OCCUR OUTSIDE APPROVED LIMITS.

7. A STABILIZED CONSTRUCTION ENTRANCE SHALL BE INSTALLED AT EACH POINT OF ENTRY/EXIT FROM THE SITE ONTO ANY PUBLIC ROADWAY PRIOR TO ANY OTHER CONSTRUCTION.

8. AS INDICATED ON THE ACTIVITY SCHEDULE ON THE SHEET LABELED 'EROSION CONTROL NOTES', SEDIMENT CONTROLS AT THE PERIMETER AND THE CONSTRUCTION EXITS WILL BE CONSTRUCTED PRIOR TO CLEARING OR GRADING OF ANY PORTION OF THE SITE.

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

10. ONCE CONSTRUCTION ACTIVITY CEASES PERMANENTLY IN AN AREA, THAT AREA WILL BE STABILIZED WITH PERMANENT SEED AND MULCH. AFTER THE ENTIRE SITE IS STABILIZED, ALL ACCUMULATED SEDIMENT WILL BE REMOVED AND DISPOSED OF PROPERLY AND ALL PERIMETER SEDIMENT CONTROLS WILL BE REMOVED.

11. ALL DRAIN INLET PROTECTION DEVICES ARE TO BE REMOVED WITHIN 30 DAYS AFTER THE SITE HAS BEEN STABILIZED, OR WHEN INLET PROTECTION IS NO LONGER NEEDED. THE AREA AROUND THE INLET IS TO BE CLEARED AND RE-GRADED. IN ADDITION, THE INSIDE OF THE STORM DRAIN INLET MUST BE CLEARED AND BE FREE OF SEDIMENT AND DEBRIS AT THE TIME OF FINAL INSPECTION.

12. THE CONTRACTOR SHALL BE RESPONSIBLE FOR REMOVING ALL TEMPORARY BMPs.

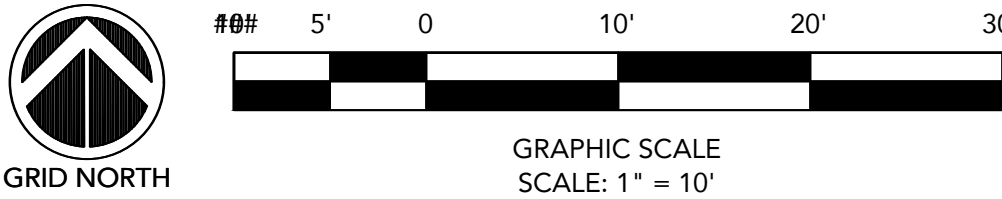
HAPPING UNIT & SOIL NAME	SOIL TEXTURE	ERODIBILITY (K)	STRUCTURE	PERMEABILITY (IN./HR)
BrE - Brackish loam	Sandy loam	0.32	Granular	1.28
Cr - Calvard fine sandy loam	Sandy loam	0.28	Granular	5.29
ThC - Thurston fine sandy loam	Sandy loam	0.24	Granular	1.54

GEORGIA811

Utilities Protection Center, Inc.

Know what's below

Call before you dig



REVISION BLOCK

REVISION	DATE	DESCRIPTION
1	08.21.26	INITIAL SUBMITTAL
2		
3		
4		
5		
6		
7		
8		

GEORGIA REGISTERED PROFESSIONAL ENGINEER

NO. 26703

BRIAN KIMSEY

GSVCC Level II Certification No. 000000003007

CARTER ENGINEERING

1010 COMMERCE DRIVE

BOGART, GA 30622

P: 770.725.1200

www.carterengineering.com

SITE DEVELOPMENT PLANS

FOR

SPIVA COVE ROAD

34.769902° -83.884670 - BLAIRSVILLE, GA 30512

SHEET TITLE:

SOILS MAP

PROJECT NAME:

UNION COUNTY GOVERNMENT

SHEET NUMBER:

C 6.2

PROJECT NUMBER:

25011UCGD

DATE:

08.21.26

ENGINEER/DESIGNER NOT RESPONSIBLE FOR COST CHANGES DURING PRELIMINARY PHASE. BIDS & QUOTES SHALL BE BASED ON PLANS SETS LABELED "ISSUE FOR BID". BIDS & QUOTES SHALL BE REVISED BASED ON PLANS LABELED "ISSUE FOR CONSTRUCTION".

