ROADWAY IMPROVEMENT PLANS

FOR

CLEVELAND STREET

LOCATION AND DESIGN

THIS PROJECT IS 100% IN UNION COUNTY AND IS 100% IN CONG.DIST.NO.9.

CLEVELAND STREET 25 MPH 15 MPH

LENGTH OF PROJECT **MILES**

NET LENGTH OF ROADWAY

0.20 **GROSS LENGTH OF PROJECT**

PROJECT CONSULTANTS AND CONTACT INFORMATION

CIVIL ENGINEER

CARTER ENGINEERING CONSULTANTS, INC.

DESIGN BENCHMARK 100% CONSTRUCTION DOCUMENTS

ISSUE FOR PERMIT

OWNER / DEVELOPER CITY OF BLAIRSVILLE P.O BOX 307 BLAIRSVILLE, GA 30514

JIM_CONLEY@BLAIRSVILLE-GA.GOV

DRAWING STATUS

1010 COMMERCE DR BOGART, GA 30622 CONTACT: 770.725.1200 CONTACT: 706-745-2000 BRIAN KIMSEY, P.E. 24-HOUR CONTACT: JIM CONLEY BRIAN@CARTERENGINEERING.NET PROJECT LOCATION

CLEVELAND ST BLAIRSVILLE, GA 30514

PROJECT MIDPOINT

1773647.1888 FEET 2359185.1830 FEET





SITE LOCATION MAP NOT TO SCALE

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REVISION BLOCK

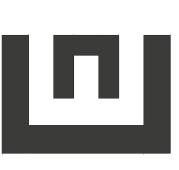
REVISION NUMBER	REVISION DATE & DESCRIPTION
ISSUE 1	01.15.24 INITIAL SUBMITTAL
ISSUE 2	
ISSUE 3	
ISSUE 4	
ISSUE 5	
ISSUE 6	
ISSUE 7	
ISSUE 8	
ISSUE 9	
ISSUE 10	

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GENERAL PLAN SET NOTES

- THE ENGINEER IS NOT RESPONSIBLE FOR COST CHANGES DURING CONCEPTUAL, PRELIMINARY, OR DESIGN PHASE.
- BIDS & QUOTES SHALL BE BASED ON PLAN SETS LABELED "ISSUE FOR BID" ON THE REVISION BLOCK.
- BIDS & QUOTES SHALL BE REVISED BASED ON PLANS LABELED "ISSUE FOR CONSTRUCTION" ON THE REVISION BLOCK. IF DISCREPANCIES ARE ENCOUNTERED DURING CONSTRUCTION THAT REQUIRE DEVIATION FROM THIS PLAN SET, THE ENGINEER SHOULD BE NOTIFIED FOR UPDATED PLANS AND/ OR FIELD CHANGES.
- 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
- 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



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AND ALL ITEMS NECESSARY FOR A COMPLETE AND WORKABLE JOB SHALL BE FURNISHED AND

- NOTIFY THE INSPECTOR OF THE LOCAL GOVERNING AUTHORITY 24 HOURS BEFORE EVERY PHASE OF
- 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.
- THE CONTRACTOR SHALL COORDINATE LOCATION AND INSTALLATION OF ALL UNDERGROUND UTILITIES AND APPURTENANCES TO MINIMIZE DISTURBING CURBING, PAVING, AND ALL OTHER UTILITIES.

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

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

- SHALL BE THE SOLE RESPONSIBILITY OF THE CONTRACTOR. DEVIATIONS FROM THESE PLANS AND SPECIFICATIONS WITHOUT PRIOR CONSENT OF THE ENGINEER AND THE MUNICIPALITY MAY CAUSE FOR THE WORK TO BE UNACCEPTABLE.
- ALL MATERIALS SHALL BE NEW UNLESS USED OR SALVAGED MATERIALS ARE AUTHORIZED BY THE
- 8. THE CONTRACTOR SHALL FURNISH AND MAINTAIN ALL NECESSARY BARRICADES AROUND THE WORK

AND SHALL PROVIDE PROTECTION AGAINST WATER DAMAGE AND SOIL EROSION.

- 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.
- . 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 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.
-). 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.
- 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
- 23. ALL DIMENSIONS ARE MEASURED TO THE BACK OF CURB UNLESS OTHERWISE NOTED.

EARTHWORK SPECIFICATIONS

CLEARING AND GRUBBING

- 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.
- BURNING ON SITE IS NOT PERMITTED WITHOUT WRITTEN APPROVAL OF THE LOCAL GOVERNING AUTHORITIES HAVING JURISDICTION.

EXISTING TREES OUTSIDE OF GRADING LIMITS LINE:

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

- 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
- 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 LACTATIONS AND TO THE LINES AND GRADES INDICATED ON CONSTRUCTION PLANS. THE SLOPE SHALL NOT EXCEED 2 FOOT HORIZONTAL TO 1 FOOT VERTICAL (3 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
- 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.
- IF SOILS INVESTIGATION REPORT IS PROVIDED, THEN FOLLOW THE RECOMMENDATIONS OF THE REPORT IF THEY EXCEED THE RECOMMENDATIONS OF THESE SPECIFICATIONS.

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 STOCKPILING, 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

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 CONTRACTOR. 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
- 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
- 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 DIPOSED 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 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

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
- 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 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 WITH DESIGN PROFESSIONAL
- 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 AMERICAL VERTICAL DATUM OF 1988 (NAVD88)

BOUNDARY SURVEY:

SURVEYOR NAME: N/A DATE OF SURVEY: N/A

TRACT OR PARCEL:

HORIZONTAL DATUM: NAD83 GEORGIA STATE PLANES, WEST ZONE, US FOOT VERTICAL DATUM: NORTH AMERICA VERTICAL DATUM OF 1988 (NAVD88)

TOPOGRAPHIC SURVEY:

TRACT OR PARCEL: *

SURVEYOR NAME: J. JASON HENSON RLS# 3007 DATE OF SURVEY: 09.08.2023

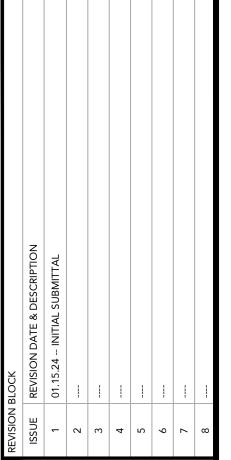
HORIZONTAL DATUM: NAD83 GEORGIA STATE PLANES, WEST ZONE, US FOOT VERTICAL DATUM: NORTH AMERICAN VERTICAL DATUM OF 1988 (NAVD88)

GEOGRAPHICAL INFORMATION SYSTEMS (GIS) DATA UTILIZED:

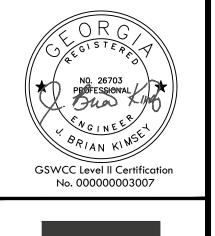
TOPOGRAPHIC DATA: FIELD RUN SURVEY PARCEL DATA: GIS PARCEL PROVIDED BY USGS LIDAR ADDITIONAL DATA: USGS LIDAR

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



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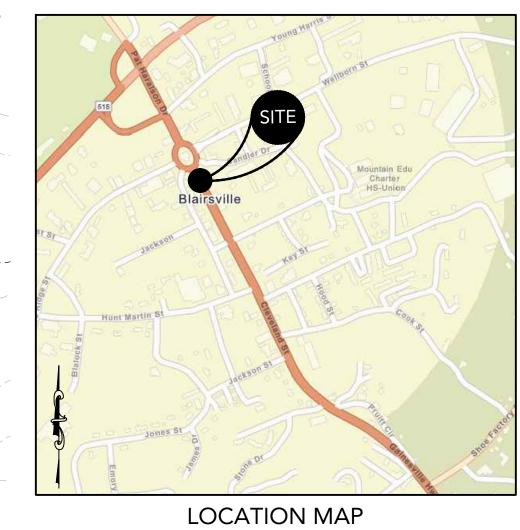
GENERAL NOTES

PROJECT NAME:

CLEVELAND STREE

SHEET NUMBER:

PROJECT NUMBER: 22001CBM



SCALE: N.T.S.

DRAWING SET PREPARED BY:	OWNER/DEVELOPER
CARTER ENGINEERING CONSULTANTS, INC.	CITY OF BLAIRSVILLE
1010 COMMERCE DR	P.O BOX 307
BOGART, GA 30622	BLAIRSVILLE, GA 30514
CONTACT: BRIAN KIMSEY, P.E.	CONTACT: JIM CONLEY
PHONE: 770.725.1200	706-745-2000
BRIAN@CARTERENGINEERING.NET	JIM_CONLEY@BLAIRSVILLE-GA.GOV

THIS PLAN SHALL BE CONSIDERED CONCEPTUAL IN NATURE AND IS INTENDED TO PROVIDE A GENERAL LAYOUT FOR PROPOSED ROADWAYS IMPROVEMENTS FOR THE OWN SQUARE AND CLEVELAND STREET IN BLAIRSVILLE, GA. PROPOSED ROADWAY MPROVEMENTS INCLUDE, BUT ARE NOT LIMITED TO:

MILL ASPHALT PAVEMENT - VARIABLE DEPTH (MININMUM TO 1 ½ " BELOW PROPOSED

DEMO AND REMOVE ALL CONCRETE SIDEWALKS

DEMO AND REMOVE EXISTING STORM DRAINAGE PIPES AND STRUCTURES AKE DOWN AND SALVAGE SIGNAGE AS REQUIRED

ISTALL NEW 24" CONCRETE CURB AND GUTTER/ 24" CONCRETE VALLEY GUTTER

ONSTRUCT NEW CONCRETE SIDEWALKS WITH APPROPRIATE ADA CURB RAMPS

RE-STRIPE ROADWAY WITH THERMOPLASTIC STRIPING

HE CONCEPTUAL PLAN DOES NOT INCLUDE INFORMATION REGARDING EXISTING OR PROPOSED

ANY PROPOSED UTILITY WORK ASSOCIATED WITH THE ROADWAY IMPROVEMENT PROJECT.

1010 COMMERCE DR BOGART, GA 30622 P: 770.725.1200 : 770.725.1204 www.carterengineering.com

CARTER ENGINEERING

ENGINEERING

GSWCC Level II Certification No. 00000003007

EXISTING SITE PLAN

CLEVELAND STREET

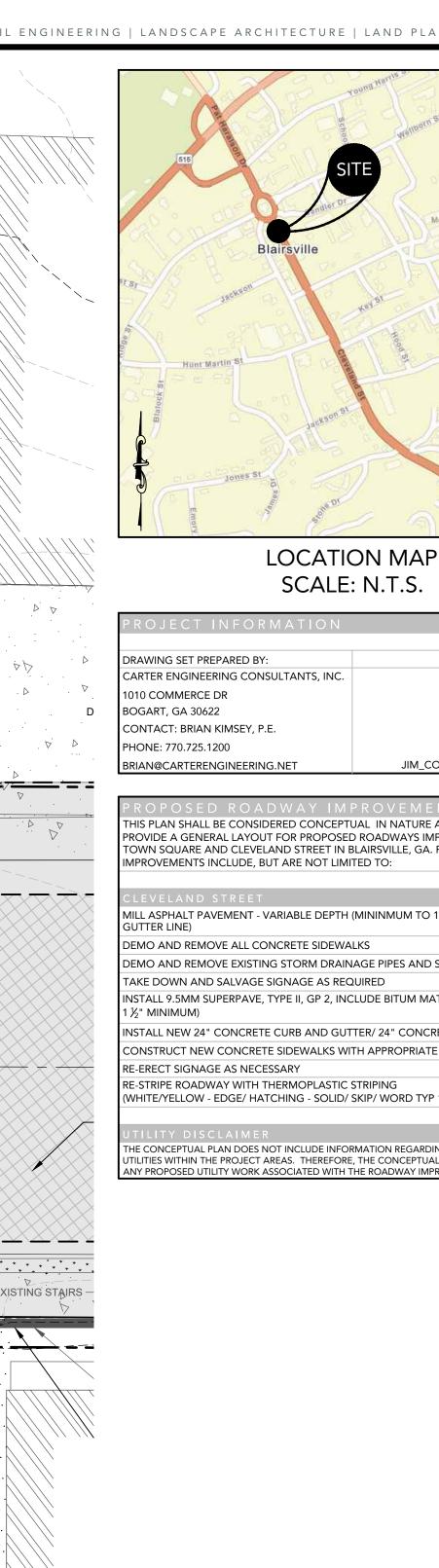
SHEET NUMBER: C 3.0

PROJECT NUMBER: 22001CBM

01.15.24

Know what's below Call before you dig GRAPHIC SCALE SCALE: 1" = 30'

GRID NORTH



OWNER/DEVELOPER CITY OF BLAIRSVILL P.O BOX 30 BLAIRSVILLE, GA 3051 CONTACT: JIM CONLE 706-745-200 GSWCC Level II Certification No. 000000003007

ENGINEERING CARTER ENGINEERING 1010 COMMERCE DR

BOGART, GA 30622 P: 770.725.1200 : 770.725.1204 www.carterengineering.com

REE-E, GA 3 ST

ADWAY IMPROVEMENT

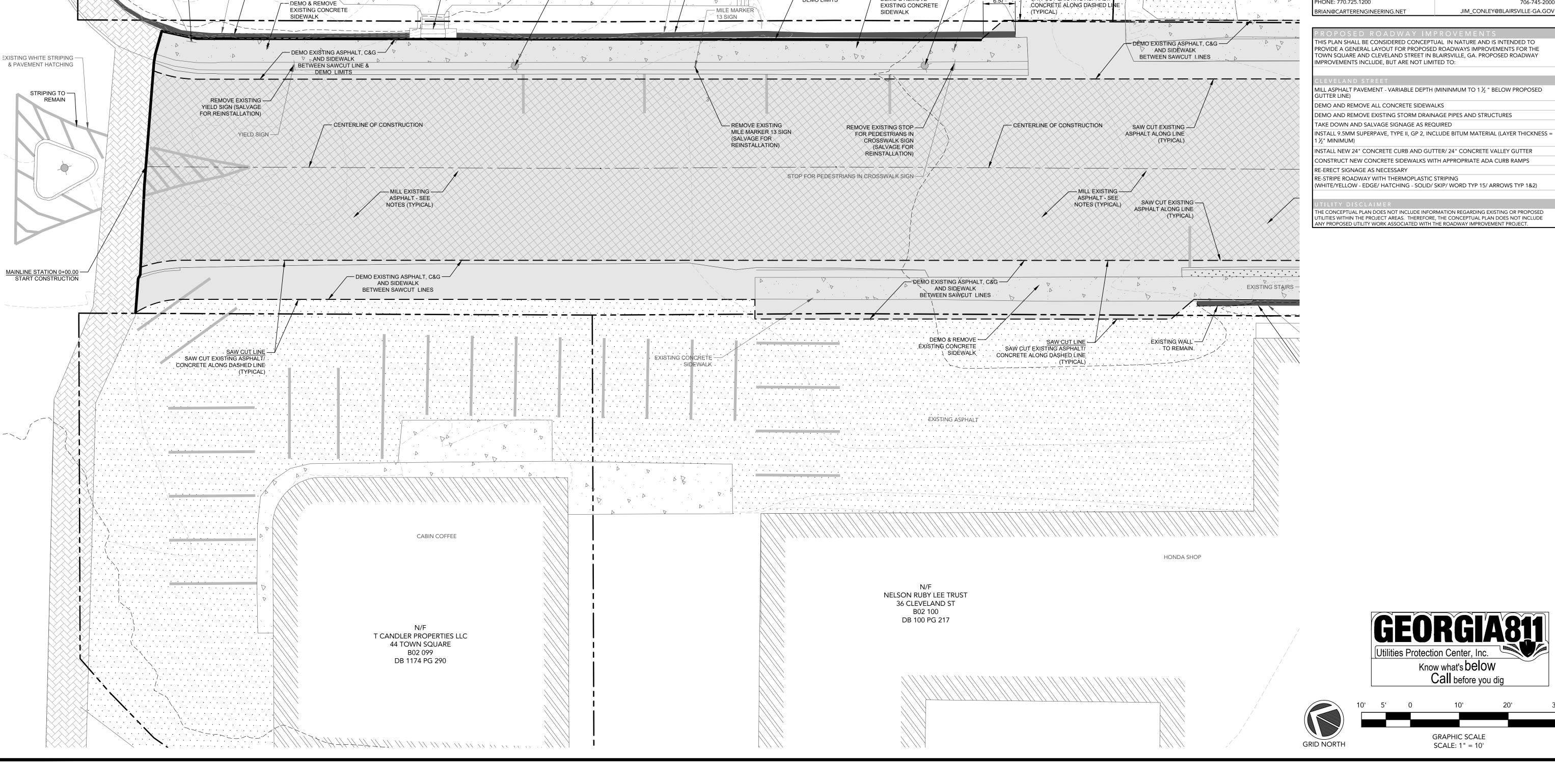
DEMO PLAN

CLEVELAND STREET

SHEET NUMBER: C 4.0

PROJECT NUMBER: 22001CBM

01.15.24



RETAINING WALL

EXISTING WALL

— DEMO & REMOVE

TO REMAIN

- LIGHT POLE TO BE REMOVED.

SALVAGE FOR REINSTALLATION

– LIGHT POLE TO BE RÉMOVED.

EXISTING CONCRETE SIDEWALK

→ DEMO & REMOVE

· APPROXIMATELY

6.57 L.F. OF WALL

SAW CUT EXISTING ASPHALT

GWYNN LINDA 18 CANDLER DR B02 327

DB 503 PG 334

- EXISTING STEPS

TO REMAIN

REMOVE EXISTING —

(SALVAGE FOR

REINSTALLATION)

VOGEL STATE PARK SIGN

VOGEL STATE -

PARK SIGN

RETAINING WALL

___ EXISTING WALL

TO REMAIN

DEMO LIMITS —

SAW CUT EXISTING —

CONCRETE ALONG LINE

PROJECT INFORMATION	
DRAWING SET PREPARED BY:	OWNER/DEVELOPER:
CARTER ENGINEERING CONSULTANTS, INC.	CITY OF BLAIRSVILLE
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MILL ASPHALT PAVEMENT - VARIABLE DEPTH (MININMUM TO 1 ½ " BELOW PROPOSED SUTTER LINE)

DEMO AND REMOVE ALL CONCRETE SIDEWALKS

(SALVAGE STRUCTURE FOR NEW GDOT 1034G IF FEASIBLE)

- DEMO EXISTING ASPHALT, C&G AND SIDEWALK —

BETWEEN SAWCUT LINE & DEMO LIMITS

RIM = 1886.21

-I.E. (IN/OUT) = 1880.61

DEMO AND REMOVE EXISTING STORM DRAINAGE PIPES AND STRUCTURES TAKE DOWN AND SALVAGE SIGNAGE AS REQUIRED

INSTALL 9.5MM SUPERPAVE, TYPE II, GP 2, INCLUDE BITUM MATERIAL (LAYER THICKNESS =

NSTALL NEW 24" CONCRETE CURB AND GUTTER/ 24" CONCRETE VALLEY GUTTER CONSTRUCT NEW CONCRETE SIDEWALKS WITH APPROPRIATE ADA CURB RAMPS

RE-ERECT SIGNAGE AS NECESSARY RE-STRIPE ROADWAY WITH THERMOPLASTIC STRIPING WHITE/YELLOW - EDGE/ HATCHING - SOLID/ SKIP/ WORD TYP 15/ ARROWS TYP 1&2)

ANY PROPOSED UTILITY WORK ASSOCIATED WITH THE ROADWAY IMPROVEMENT PROJECT.

THE CONCEPTUAL PLAN DOES NOT INCLUDE INFORMATION REGARDING EXISTING OR PROPOSED





CARTER ENGINEERING 1010 COMMERCE DR BOGART, GA 30622

ENGINEERING

P: 770.725.1200 : 770.725.1204 www.carterengineering.com

STREET SVILLE, GA 30514 ADWAY IMPROVEMENT

RO SHEET TITLE:

DEMO PLAN

PROJECT NAME:

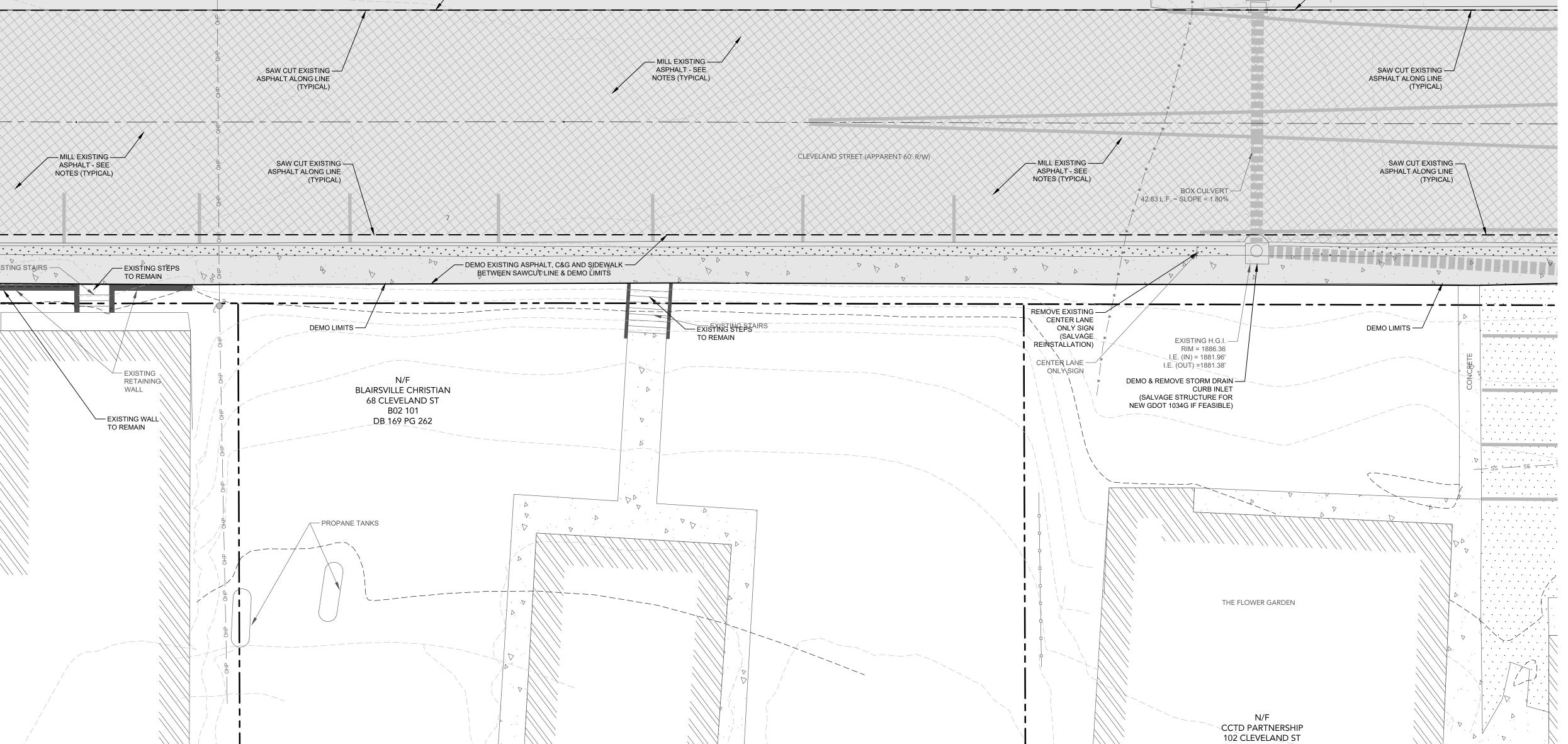
CLEVELAND STREET

SHEET NUMBER: C 4.1

PROJECT NUMBER: 22001CBM

01.15.24

Know what's below Call before you dig GRAPHIC SCALE SCALE: 1" = 10'



SAW CUT EXISTING CONCRETE —

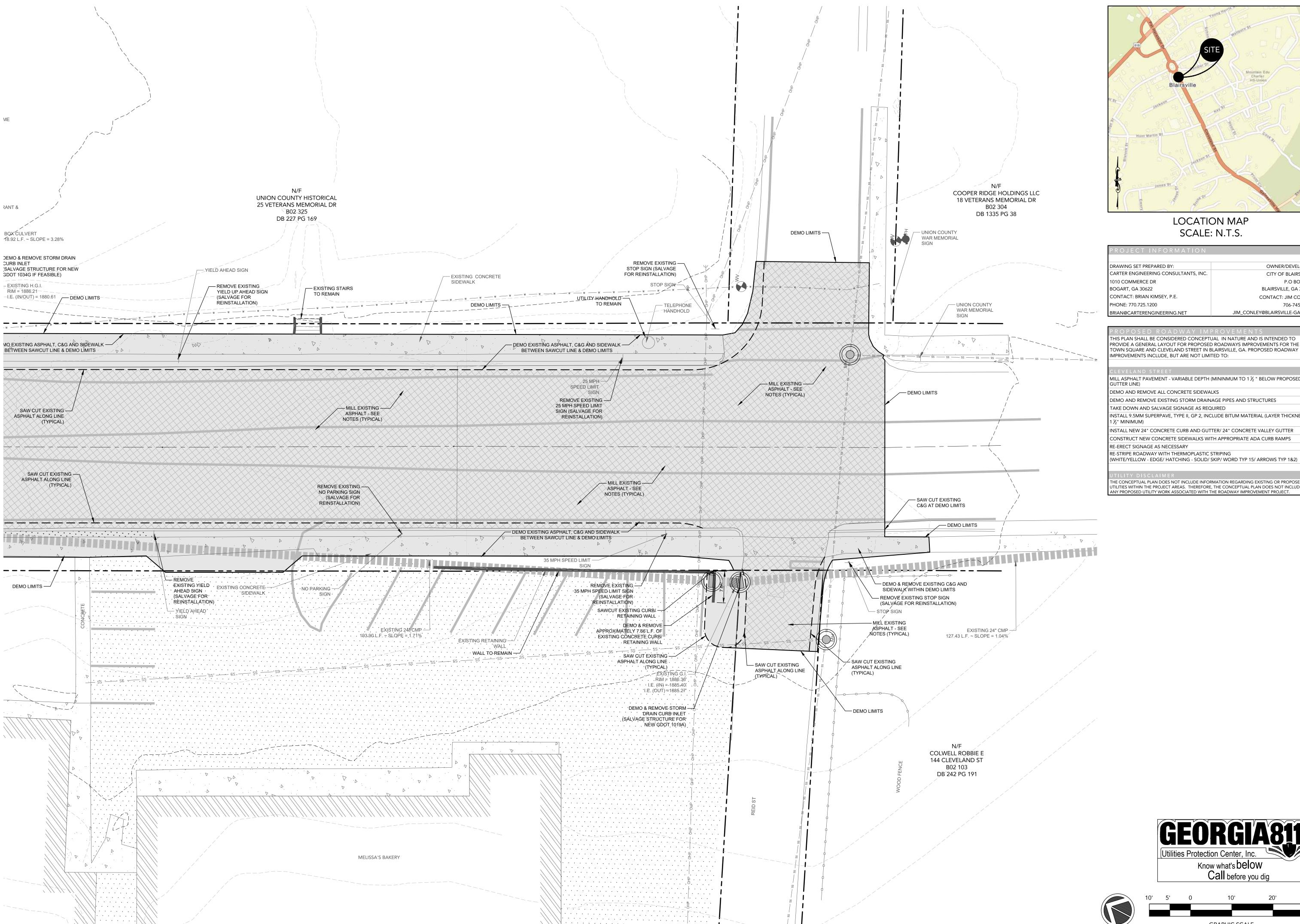
ALONG DASHED LINE

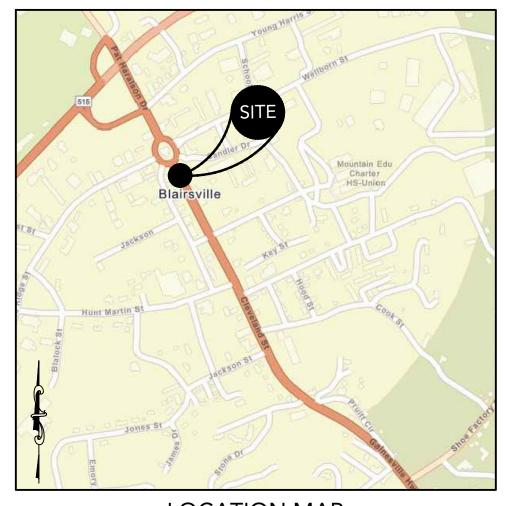
- DEMO EXISTING ASPHALT, C&G

AND SIDEWALK

BETWEEN SAWCUT LINES

DEMO L'IMITS -





PROJECT INFORMATION	
	000000000000000000000000000000000000000
DRAWING SET PREPARED BY:	OWNER/DEVELOPER
CARTER ENGINEERING CONSULTANTS, INC.	CITY OF BLAIRSVILLE
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DEMO AND REMOVE EXISTING STORM DRAINAGE PIPES AND STRUCTURES

INSTALL 9.5MM SUPERPAVE, TYPE II, GP 2, INCLUDE BITUM MATERIAL (LAYER THICKNESS =

NSTALL NEW 24" CONCRETE CURB AND GUTTER/ 24" CONCRETE VALLEY GUTTER CONSTRUCT NEW CONCRETE SIDEWALKS WITH APPROPRIATE ADA CURB RAMPS

RE-STRIPE ROADWAY WITH THERMOPLASTIC STRIPING

THE CONCEPTUAL PLAN DOES NOT INCLUDE INFORMATION REGARDING EXISTING OR PROPOSED

Know what's below Call before you dig

GRAPHIC SCALE

SCALE: 1" = 10'

JTILITIES WITHIN THE PROJECT AREAS. THEREFORE, THE CONCEPTUAL PLAN DOES NOT INCLUDE ANY PROPOSED UTILITY WORK ASSOCIATED WITH THE ROADWAY IMPROVEMENT PROJECT.

1010 COMMERCE DR BOGART, GA 30622 P: 770.725.1200 : 770.725.1204 www.carterengineering.com

CARTER ENGINEERING

ENGINEERING

GSWCC Level II Certification

No. 000000003007

-REET -E, GA 30514 ADWAY IMPROVEMENT

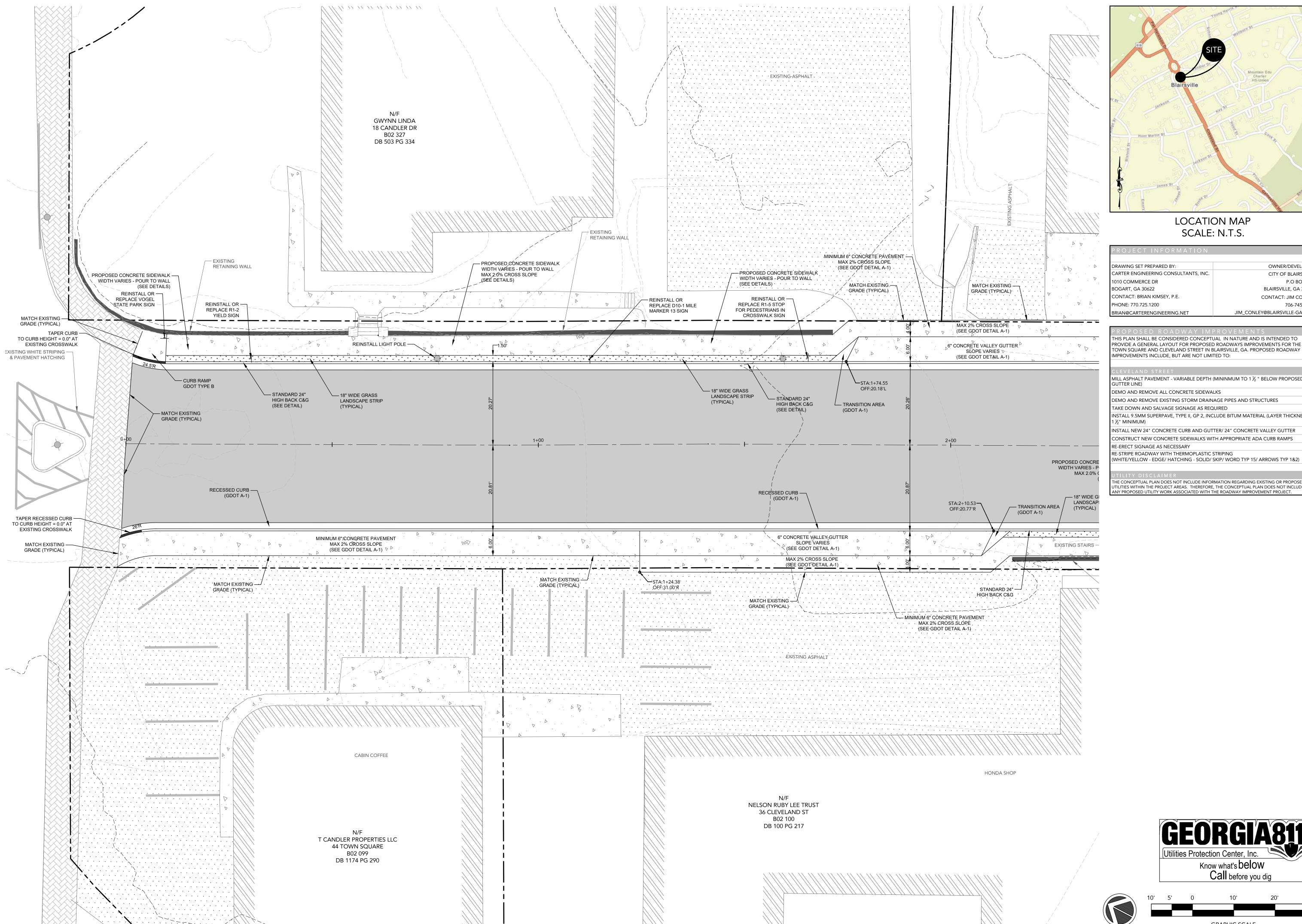
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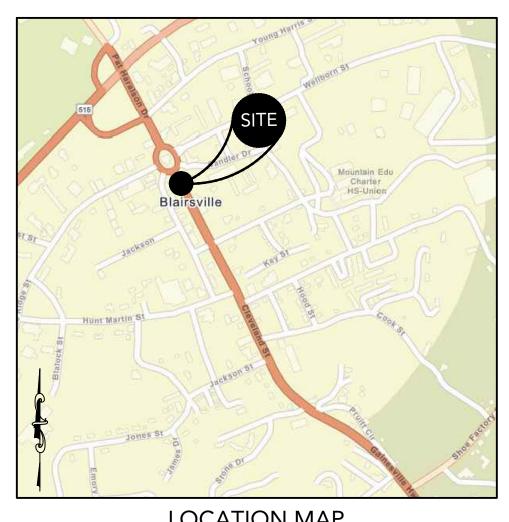
DEMO PLAN

CLEVELAND STREET

SHEET NUMBER: C 4.2

PROJECT NUMBER: 22001CBM





DRAWING SET PREPARED BY:	OWNER/DEVELOPER
CARTER ENGINEERING CONSULTANTS, INC.	CITY OF BLAIRSVILLE
1010 COMMERCE DR	P.O BOX 307
BOGART, GA 30622	BLAIRSVILLE, GA 30514
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MILL ASPHALT PAVEMENT - VARIABLE DEPTH (MININMUM TO 1 $\frac{1}{2}$ " BELOW PROPOSED

DEMO AND REMOVE ALL CONCRETE SIDEWALKS

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RE-STRIPE ROADWAY WITH THERMOPLASTIC STRIPING

HE CONCEPTUAL PLAN DOES NOT INCLUDE INFORMATION REGARDING EXISTING OR PROPOSED TILITIES WITHIN THE PROJECT AREAS. THEREFORE, THE CONCEPTUAL PLAN DOES NOT INCLUDE

Know what's below Call before you dig

GRAPHIC SCALE

SCALE: 1" = 10'

BOGART, GA 30622 P: 770.725.1200 : 770.725.1204 ANY PROPOSED UTILITY WORK ASSOCIATED WITH THE ROADWAY IMPROVEMENT PROJECT www.carterengineering.com

GSWCC Level II Certification

No. 000000003007

ENGINEERING

CARTER ENGINEERING 1010 COMMERCE DR

> .E, GA 3 ST

ADWAY IMPROVEMENT

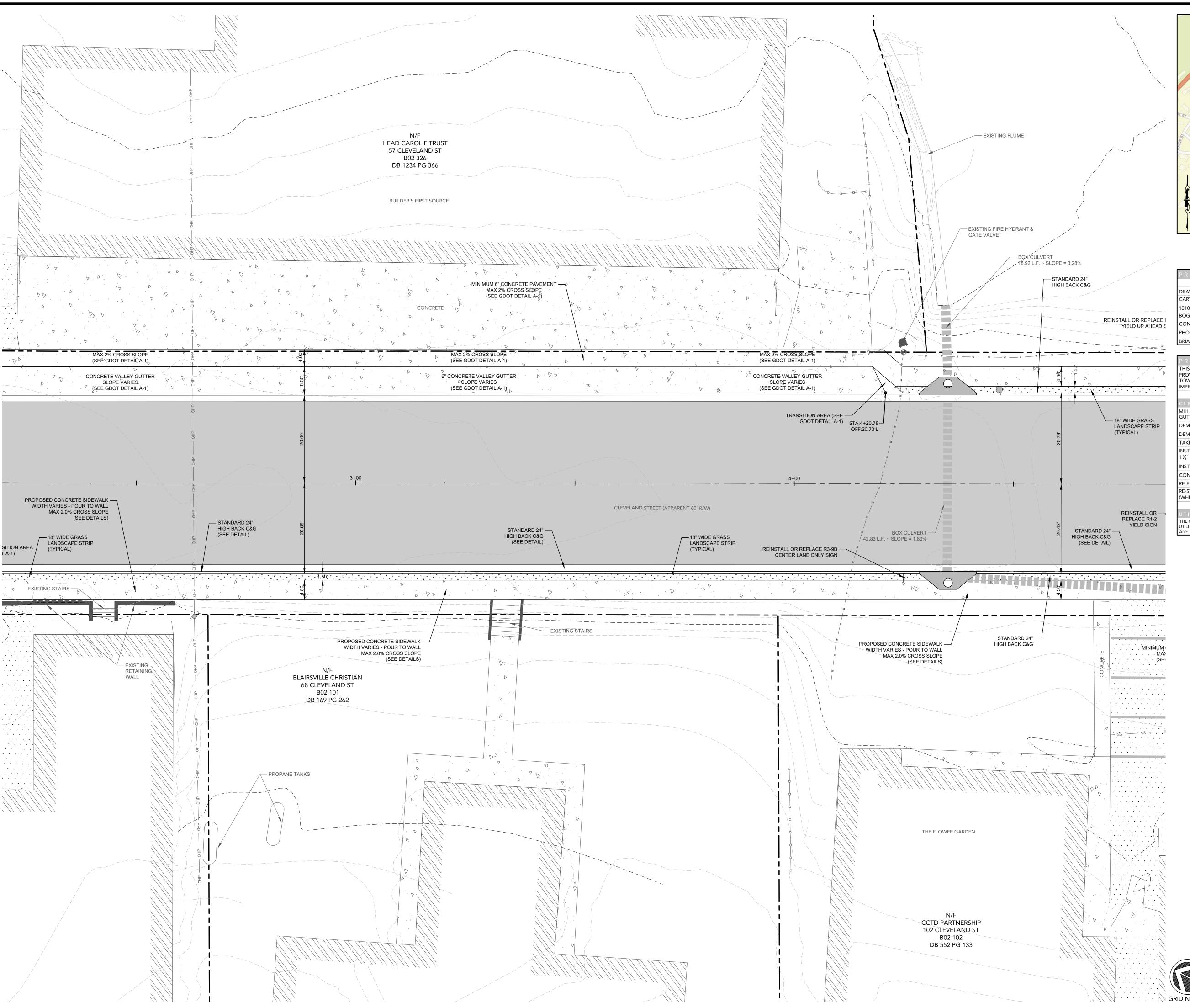
SHEET TITLE: SITE PLAN

PROJECT NUMBER: 22001CBM

01.15.24

CLEVELAND STREE SHEET NUMBER: C 5.0

Hunt Martin





PROJECT INFORMATION	
DRAWING SET PREPARED BY:	OWNER/DEVELOPER
CARTER ENGINEERING CONSULTANTS, INC.	CITY OF BLAIRSVILLE
1010 COMMERCE DR	P.O BOX 307
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CONSTRUCT NEW CONCRETE SIDEWALKS WITH APPROPRIATE ADA CURB RAMPS

RE-ERECT SIGNAGE AS NECESSARY RE-STRIPE ROADWAY WITH THERMOPLASTIC STRIPING

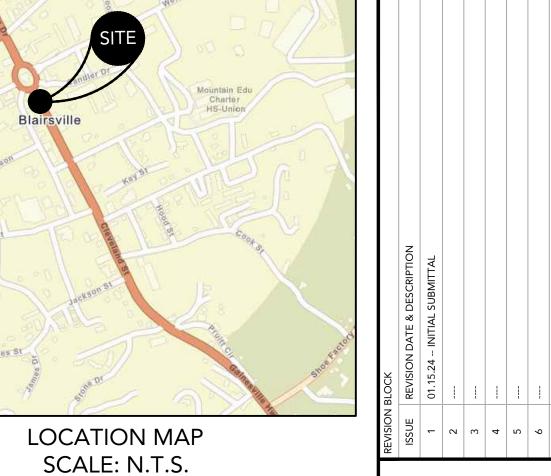
WHITE/YELLOW - EDGE/ HATCHING - SOLID/ SKIP/ WORD TYP 15/ ARROWS TYP 1&2)

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Know what's below Call before you dig

GRAPHIC SCALE

SCALE: 1" = 10'







CARTER ENGINEERING 1010 COMMERCE DR BOGART, GA 30622

P: 770.725.1200 : 770.725.1204 www.carterengineering.com

REE.

IMPROVEMENT

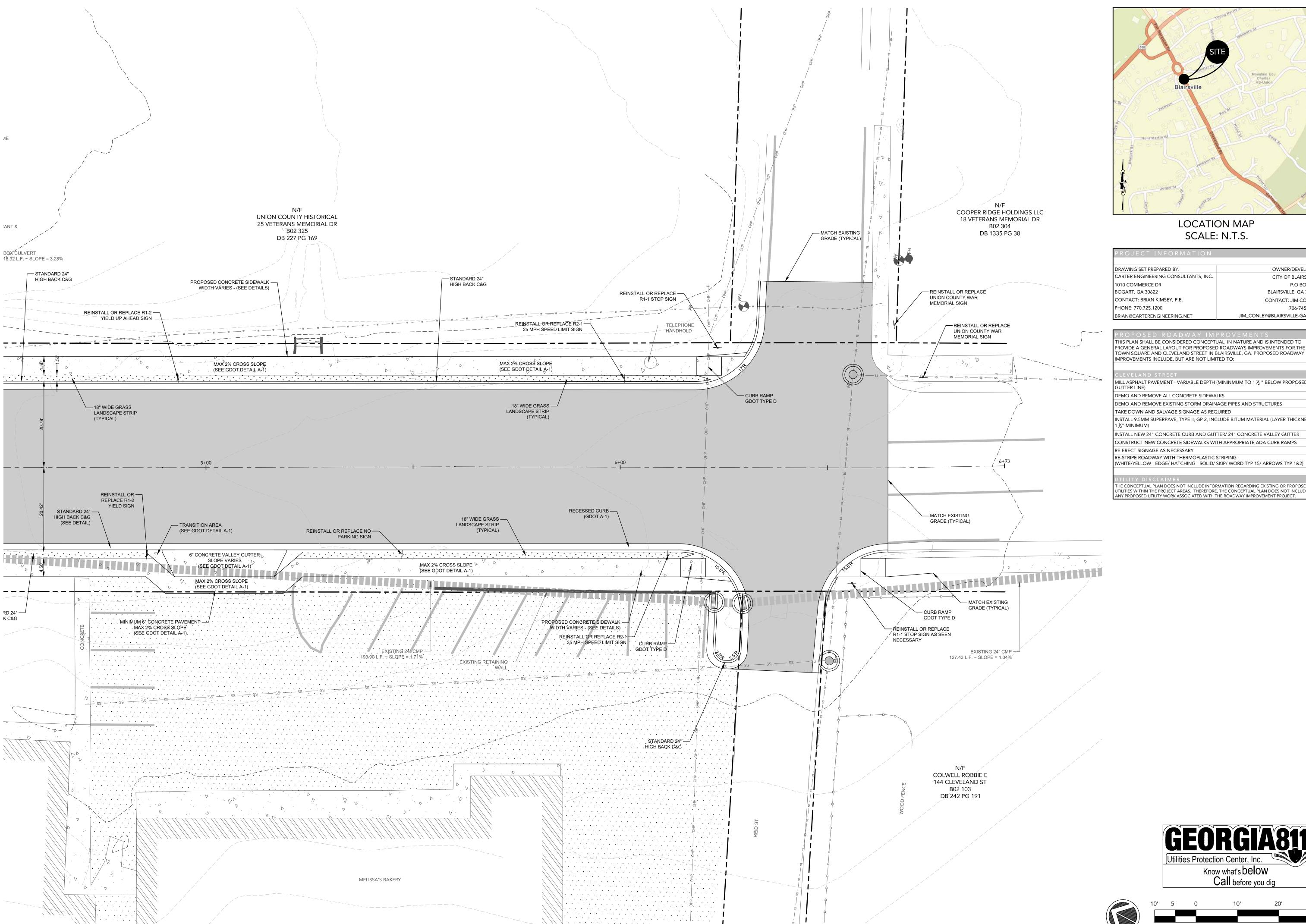
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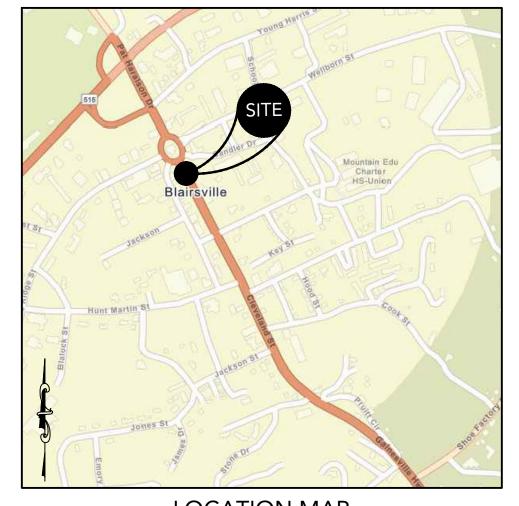
SITE PLAN

CLEVELAND STREET

SHEET NUMBER: C 5.1

PROJECT NUMBER: 22001CBM





SCALE: N.T.S.

PROJECT INFORMATION	
DRAWING SET PREPARED BY:	OWNER/DEVELOPE
CARTER ENGINEERING CONSULTANTS, INC.	CITY OF BLAIRSVILL
1010 COMMERCE DR	P.O BOX 30
BOGART, GA 30622	BLAIRSVILLE, GA 305
CONTACT: BRIAN KIMSEY, P.E.	CONTACT: JIM CONLE
PHONE: 770.725.1200	706-745-200
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MILL ASPHALT PAVEMENT - VARIABLE DEPTH (MININMUM TO 1 ½ " BELOW PROPOSED

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GRAPHIC SCALE

SCALE: 1" = 10'





CARTER ENGINEERING 1010 COMMERCE DR

ENGINEERING

BOGART, GA 30622 P: 770.725.1200 : 770.725.1204 www.carterengineering.com

-REET LE, GA 30514 ADWAY IMPROVEMENT

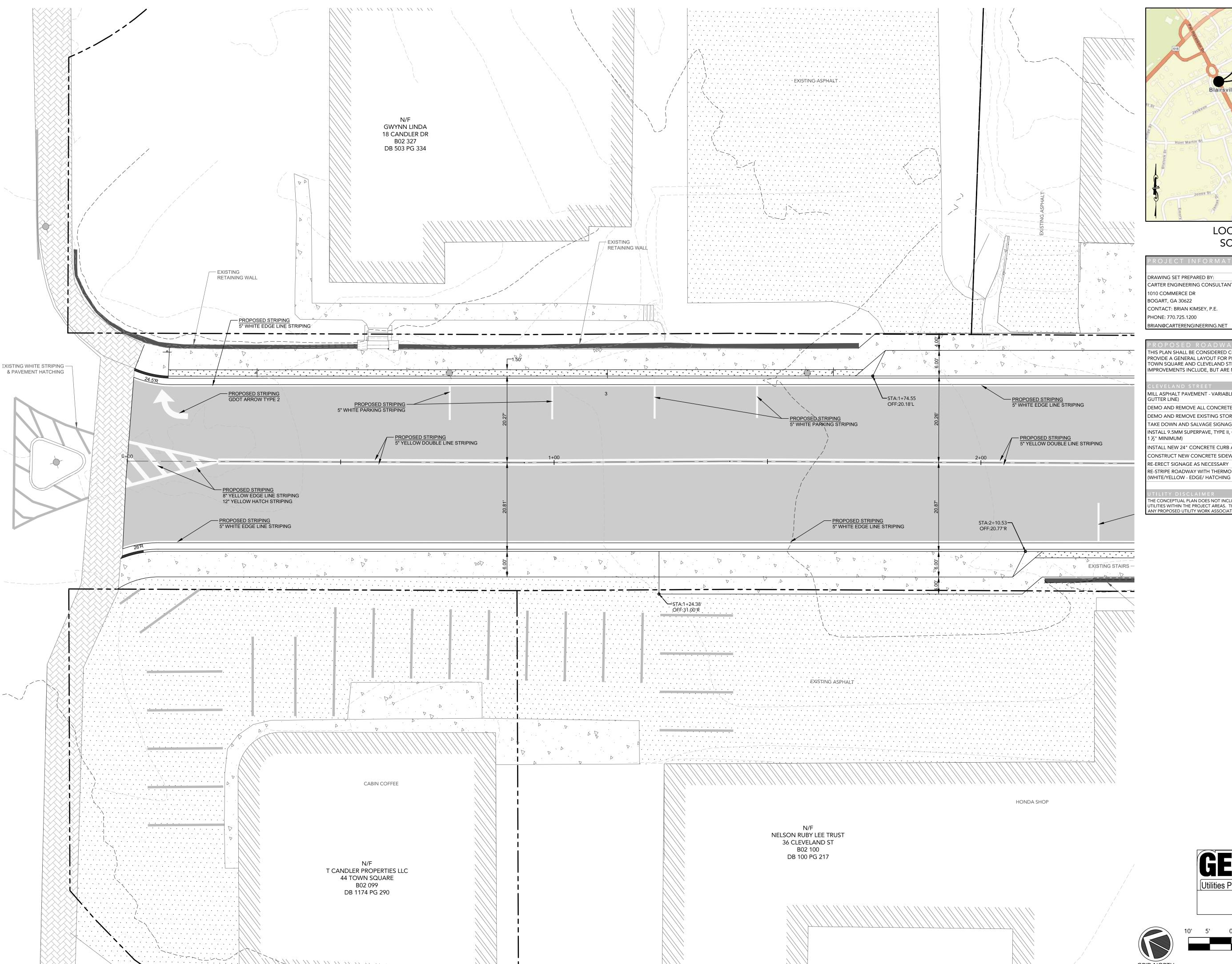
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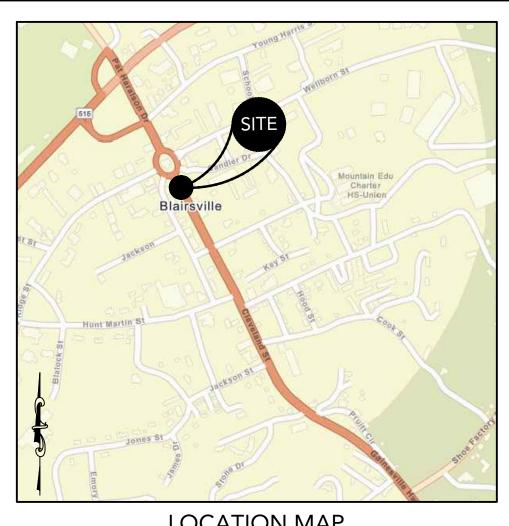
SITE PLAN

CLEVELAND STREET

SHEET NUMBER: C 5.2

PROJECT NUMBER: 22001CBM





DRAWING SET PREPARED BY:	OWNER/DEVELOPER
CARTER ENGINEERING CONSULTANTS, INC.	CITY OF BLAIRSVILLE
1010 COMMERCE DR	P.O BOX 307
BOGART, GA 30622	BLAIRSVILLE, GA 30514
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RE-STRIPE ROADWAY WITH THERMOPLASTIC STRIPING WHITE/YELLOW - EDGE/ HATCHING - SOLID/ SKIP/ WORD TYP 15/ ARROWS TYP 1&2)

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ENGINEERING

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STREET SVILLE, GA 30514 ADWAY IMPROVEMENT

STRIPING PLAN

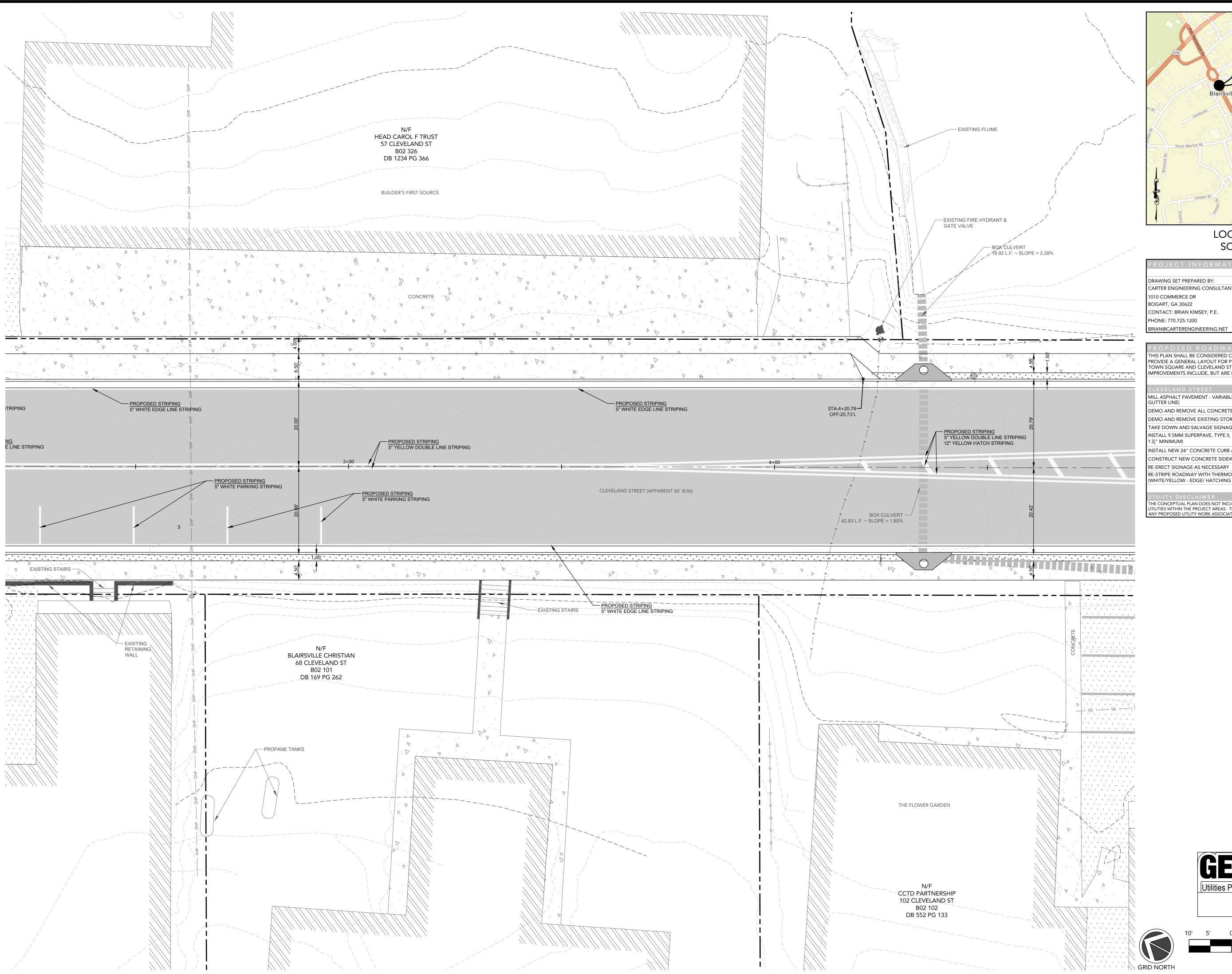
CLEVELAND STREET

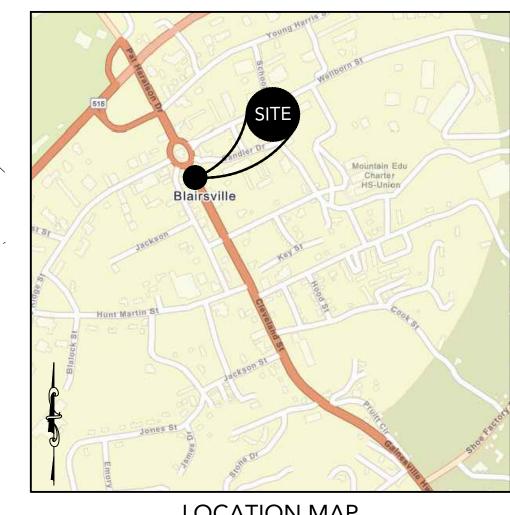
SHEET NUMBER: C 6.0

PROJECT NUMBER: 22001CBM

01.15.24

Know what's below Call before you dig SCALE: 1" = 10'





SCALE: N.T.S.

DRAWING SET PREPARED BY:	OWNER/DEVELOPER
CARTER ENGINEERING CONSULTANTS, INC.	CITY OF BLAIRSVILLE
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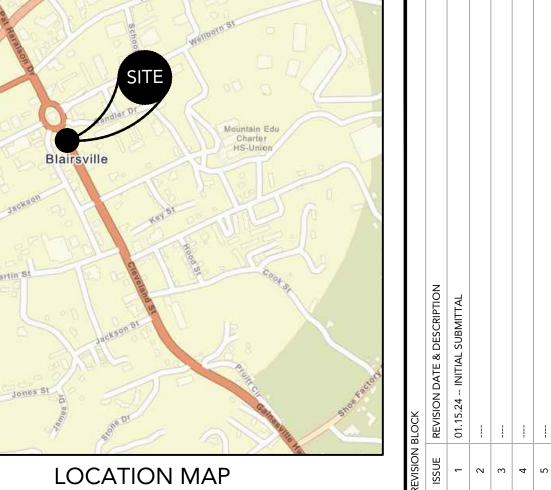
E-STRIPE ROADWAY WITH THERMOPLASTIC STRIPING /HITE/YELLOW - EDGE/ HATCHING - SOLID/ SKIP/ WORD TYP 15/ ARROWS TYP 1&2)

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Know what's below Call before you dig

GRAPHIC SCALE

SCALE: 1" = 10'







CARTER ENGINEERING 1010 COMMERCE DR BOGART, GA 30622

P: 770.725.1200 : 770.725.1204 www.carterengineering.com

STREET RSVILLE, GA 30514 ADWAY IMPROVEMENT

RO SHEET TITLE:

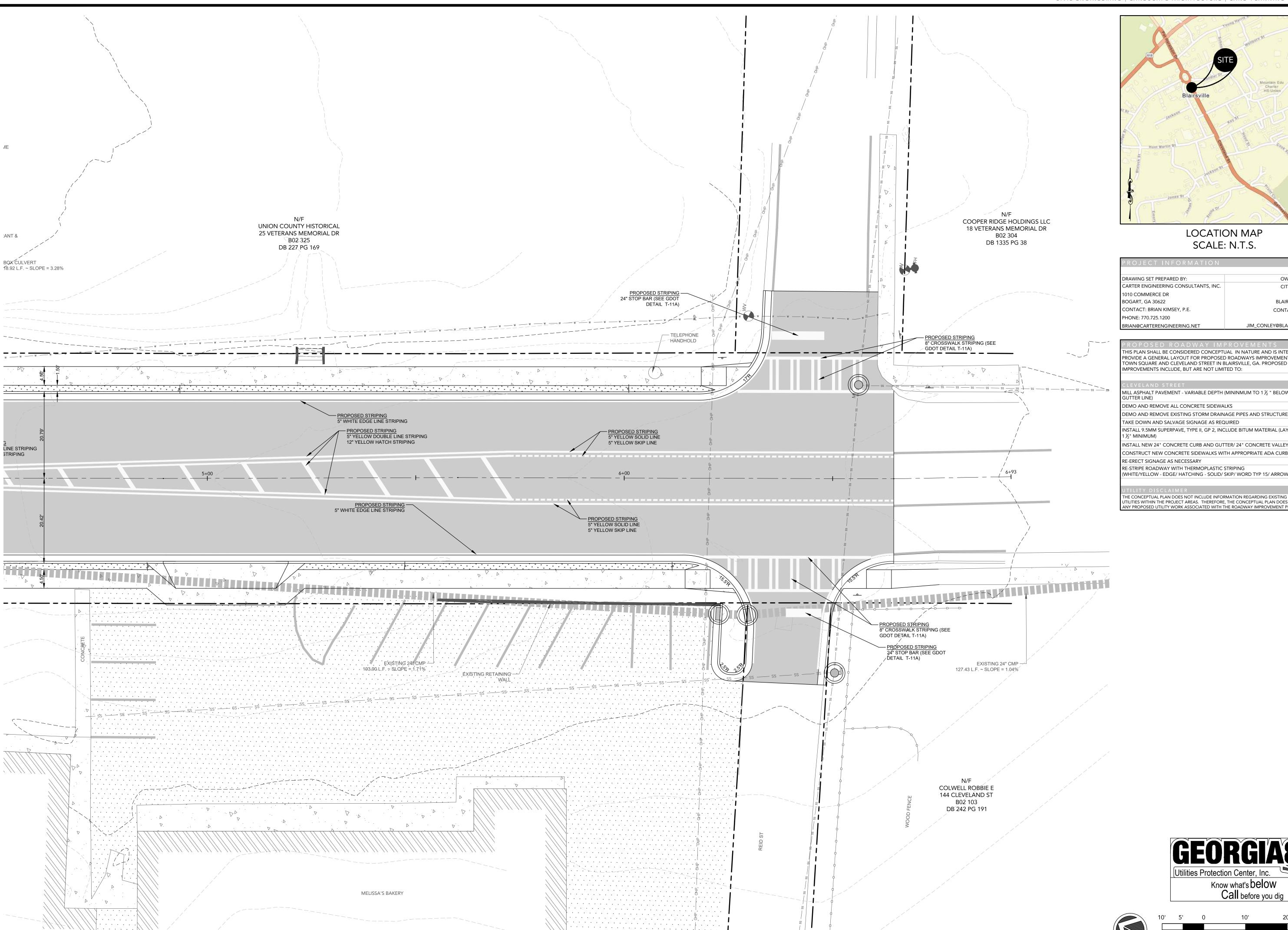
STRIPING PLAN

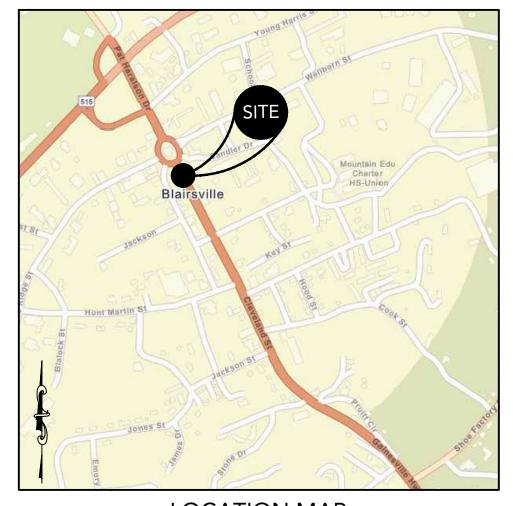
CLEVELAND STREET

SHEET NUMBER:

C 6.1

PROJECT NUMBER: 22001CBM





DRAWING SET PREPARED BY:	OWNER/DEVELOPER
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WHITE/YELLOW - EDGE/ HATCHING - SOLID/ SKIP/ WORD TYP 15/ ARROWS TYP 1&2)

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SCALE: 1" = 10'

GSWCC Level II Certification No. 00000003007

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ENGINEERING

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STREET SVILLE, GA 30514 ADWAY IMPROVEMENT

STRIPING PLAN

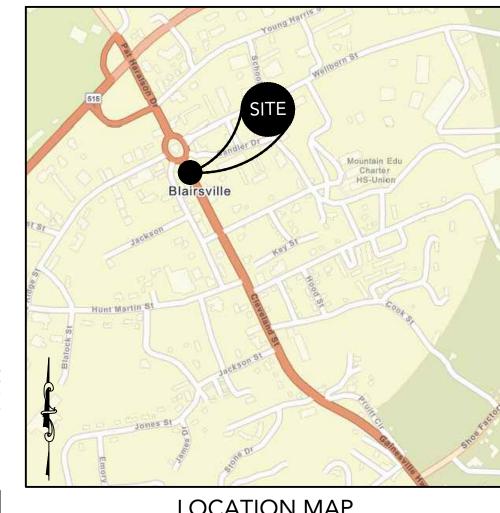
CLEVELAND STREET

SHEET NUMBER: C 6.2

PROJECT NUMBER: 22001CBM

MELISSA'S BAKERY

CCTD PARTNERSHIP 102 CLEVELAND ST



PROJECT INFORMATION				
DRAWING SET PREPARED BY:	OWNER/DEVELOPER:			
CARTER ENGINEERING CONSULTANTS, INC.	CITY OF BLAIRSVILLE			
1010 COMMERCE DR	P.O BOX 307			
BOGART, GA 30622	BLAIRSVILLE, GA 30514			
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MILL ASPHALT PAVEMENT - VARIABLE DEPTH (MININMUM TO 1 ½ " BELOW PROPOSED

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CONSTRUCT NEW CONCRETE SIDEWALKS WITH APPROPRIATE ADA CURB RAMPS

(WHITE/YELLOW - EDGE/ HATCHING - SOLID/ SKIP/ WORD TYP 15/ ARROWS TYP 1&2)

THE CONCEPTUAL PLAN DOES NOT INCLUDE INFORMATION REGARDING EXISTING OR PROPOSED

ANY PROPOSED UTILITY WORK ASSOCIATED WITH THE ROADWAY IMPROVEMENT PROJECT.

GSWCC Level II Certification No. 00000003007

ENGINEERING

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STREET
RSVILLE, GA 30514 ADWAY IMPROVEMENT

STORMWATER

PLAN

CLEVELAND STREET

SHEET NUMBER:

C 7.0 PROJECT NUMBER: 22001CBM

01.15.24

Know what's below Call before you dig

SCALE: 1" = 10'

I CERTIFY UNDER PENALTY OF LAW THAT THIS PLAN WAS PREPARED AFTER A SITE VISIT TO THE LOCATIONS DESCRIBED HEREIN BY MYSELF OR MY AUTHORIZED AGENT, UNDER MY DIRECT SUPERVISION.

Q. Bus King	01.15.24
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(S) 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.

J. Bus King	01.15.24
RIAN KIMSEY, P.E.	DATE

E&SC CERTIFICATION NUMBER 000000003007

#14 CERTIFY INSPECTION

THE DESIGN PROFESSIONAL WHO PREPARED THE ES&PC PLAN IS TO INSPECT THE INSTALLATION OF THE INITIAL SEDIMENT STORAGE REQUIREMENTS AND PERIMETER CONTROL BMP'S WITHIN 7 DAYS AFTER INSTALLATION.

#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 FORM THE JURISDICTIONAL DETERMINATION LINE WITHOUT FIRST ACQUIRING THE NECESSARY VARIANCES AND PERMITS

THERE ARE NO WARRANTED OR NECESSARY ENCROACHMENTS TO ANY BUFFERS. VARIANCE IS NOT REQUIRED.

#17 AMENDMENT/REVISION STATEMENT

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

#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 DUMPSTER. THE DUMPSTER WILL MEET ALL SOLID WASTE MANAGEMENT REGULATIONS. ALL TRASH AND CONSTRUCTION DEBRIS FROM THE SITE WILL BE DEPOSITED IN THE DUMPSTER. THE DUMPSTER 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 ESPCP FILE AT THE JOB SITE 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 CONTACTOR WILL IMPLEMENT THE SPILL PREVENTION CONTROL AND COUNTERMEASURES (SPCC) PLAN FOUND WITHIN THIS ESPCP AND 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 FORM 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 SKID CONTAINERS AROUND THE BASE, TO PREVENT WASTES FORM 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 CONTOL 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 7 DAYS SHALL BE STABILIZED WITH MULCH OR TEMPORARY

#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.

THIS PROJECT DOES NOT 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

#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 ON-SITE VEHICLE AND MACHINERY DAILY INSPECTIONS AND REGULAR PREVENTATIVE MAINTENANCE OF SUCH EQUIPMENT. EQUIPMENT MAINTENANCE AREAS WILL BE LOCATED AWAY FROM STATE WATER, NATURAL DRAINS AND STORM

PREVENT/MINIMIZE SITE CONTAMINATION. DISCHARGE OF OILS, FUELS AND LUBRICANTS IS PROHIBITED. PROPER DISPOSAL METHODS

WATER DRAINAGE INLETS. IN ADDITION, TEMPORARY FUELING TANKS SHALL HAVE A SECONDARY CONTAINMENT LINER TO

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

CONCRETE TRUCK WASHING - CONCRETE TRUCKS WILL BE ALLOWED TO WASH OUT OR DISCHARGE SURPLUS CONCRETE OR DRUM WASH WATER ONSITE AT THE SPECIFIED LOCATION.

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 GSWCG 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 PRACTICES

- LOCAL, STATE, AND MANUFACTURER'S RECOMMENDED METHODS FOR SPILL CLEANUP WILL BE CLEARLY POSTED AND
- PROCEDURES WILL BE MADE AVAILABLE TO SITE PERSONNEL. • MATERIAL AND EQUIPMENT, NECESSARY 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 -
- FOR SPILLS GREATER THAN 25 GALLONS AND NO SURFACE WATER IMPACTS. THE GEORGIA EPD WILL BE CONTACTED WITHIN 24

-FOR SPILLS LESS THAT 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 ONCE CONSTRUCTION ACTIVITY IS COMPLETED.

\$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 SILT FENCE, CHECK DAMS, AND FILTER RING WILL SERVE AS BMP'S THAT WILL HELP REDUCE STORMWATER POLLUTION

#29 ACTIVITY SCHEDULE

	MONTHS (2024)			
TASK DESCRIPTION:	MARCH APRIL MAY JUNE JULY AUGUST			
PERIMETER SILT FENCE				
INITIAL SEDIMENT STORAGE BMPs				
CLEARING & GRUBBING				
DEMO				
ROUGH GRADING				
CONCRETE CURB & GUTTER				
PAVING				
TEMPORARY STABILIZATION (GRASSING)				
FINAL GRADING				
FINAL STABILIZATION				
MAINTENANCE				
TART DATE: MARCH 1, 2024	END: AUGUST 31, 20			

#30 INSPECTIONS

A. PERMITTEE REQUIREMENTS

TERMINATION IS SUBMITTED

1. EACH DAY WHEN ANY TYPE OF CONSTRUCTION ACTIVITY HAS TAKEN PLACE AT A PRIMARY PERMITTEE'S SITE, CERTIFIED PERSONNEL PROVIDED BY THE PRIMARY PERMITTEE SHALL INSPECT: (A) ALL AREAS AT THE PRIMARY PERMITTEE'S SITE WHERE PETROLEUM PRODUCTS ARE STORED, USED, OR HANDLED FOR SPILLS AND LEAKS FROM VEHICLES AND EQUIPMENT; (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

- 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
- CERTIFIED PERSONNEL (PROVIDED BY THE PRIMARY PERMITTEE) SHALL INSPECT THE FOLLOWING AT LEAST ONCE EVERY SEVEN (7) CALENDAR DAYS AND WITHIN 24 HOURS OF THE END OF A STORM THAT IS 0.5 INCHES RAINFALL OR GREATER (UNLESS SUCH STORM ENDS AFTER 5:00 PM ON ANY FRIDAY OR ON ANY NON-WORKING SATURDAY, NON-WORKING SUNDAY OR ANY NON-WORKING FEDERAL HOLIDAY IN WHICH CASE THE INSPECTION SHALL BE COMPLETED BY THE END OF THE NEXT BUSINESS DAY AND/OR WORKING DAY, WHICHEVER OCCURS FIRST): (A) DISTURBED AREAS OF THE PRIMARY PERMITTEE'S CONSTRUCTION SITE; (B) AREAS USED BY THE PRIMARY PERMITTEE FOR STORAGE OF MATERIALS THAT ARE EXPOSED TO PRECIPITATION; AND (C) STRUCTURAL CONTROL MEASURES. EROSION AND SEDIMENT CONTROL MEASURES IDENTIFIED IN THE PLAN APPLICABLE TO THE PRIMARY PERMITTEE'S SITE SHALL BE OBSERVED TO ENSURE THAT THEY ARE OPERATING CORRECTLY. WHERE DISCHARGE LOCATIONS OR POINTS ARE ACCESSIBLE, THEY SHALL BE INSPECTED TO ASCERTAIN WHETHER EROSION CONTROL MEASURES ARE EFFECTIVE IN PREVENTING SIGNIFICANT IMPACTS TO RECEIVING WATER(S). FOR AREAS OF A SITE THAT HAVE UNDERGONE FINAL STABILIZATION OR ESTABLISHED 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 WATER(S). EROSION AND SEDIMENT CONTROL MEASURES IDENTIFIED IN THE PLAN SHALL BE OBSERVED TO ENSURE THAT THEY ARE OPERATING CORRECTLY. WHERE DISCHARGE LOCATIONS OR POINTS ARE ACCESSIBLE, THEY SHALL BE INSPECTED TO ASCERTAIN WHETHER EROSION CONTROL MEASURES ARE EFFECTIVE IN PREVENTING SIGNIFICANT IMPACTS TO RECEIVING WATER(S).
- 5. BASED ON THE RESULTS OF EACH INSPECTION, THE SITE DESCRIPTION AND THE POLLUTION PREVENTION AND CONTROL MEASURES IDENTIFIED IN THE EROSION, SEDIMENTATION AND POLLUTION CONTROL PLAN, THE PLAN SHALL BE REVISED AS APPROPRIATE NOT LATER THAN SEVEN (7) CALENDAR DAYS FOLLOWING EACH INSPECTION. IMPLEMENTATION OF SUCH CHANGES SHALL BE MADE AS SOON AS PRACTICAL BUT IN NO CASE LATER THAN SEVEN (7) CALENDAR DAYS FOLLOWING EACH INSPECTION.
- A REPORT OF EACH INSPECTION THAT INCLUDES THE NAME(S) OF 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 ACTION S TAKEN IN ACCORDANCE WITH PART IV.D.4.A.(5), OF THE PERMIT SHALL BE MADE AND RETAINED AT THE SITE OR BE READILY AVAILABLE AT A DESIGNATED ALTERNATE LOCATION UNTIL THE ENTIRE SITE OR THAT PORTION OF A CONSTRUCTION SITE THAT HAS BEEN PHASED HAS UNDERGONE FINAL STABILIZATION AND A NOTICE OF TERMINATION IS SUBMITTED TO EPD. SUCH REPORTS 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.G.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 PERMITEE SHALL SAMPLE AT THE BEGINNING OF ANY STORM AFTER DISCHARGE TO A MONITORED RECEIVING WATER AND/OR FROM A MONITORED OUTFALL LOCATION WITHIN FORTY-FIVE (45) MINUTES OR AS SOON AS POSSIBLE
- HOWEVER, WHERE MANUAL AND AUTOMATIC SAMPLING ARE IMPOSSIBLE (AS DEFINED IN THE IS PERMIT), OR ARE BEYOND THE PERMITTEE'S CONTROL, THE PERMITTEE SHALL TAKE SAMPLES AS SOON AS POSSIBLE, BUT IN NO CEASE MORE THAN
- TWELVE (12) HOURS AFTER THE BEGINNING OF THE STORM WATER DISCHARGE. 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 FORM AN OUTFALL, THE FIRST RAIN EVENT THAT REACHES OR EXCEEDS 0.5 INCH WITH A STORM WATER DISCHARGE THAT OCCURS DURING NORMAL BUSINESS HOUSE AS DEFINED IN THIS PERMIT * (MONDAY THRU FRIDAY 8:00 AM TO 5:00 PM AND SATURDAY 8:00 AM TO 5:00 PM WHEN CONSTRUCTION ACTIVITY IS BEING CONDUCTED BY THE PRIMARY PERMITTEE) 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 STORM WATER DISCHARGE THAT OCCURS DURING NORMAL BUSINESS HOURS AS DEFINED IN THIS PERMIT 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 DISCHARGERS TO A RECEIVING WATER OR FROM AN OUTFALL AREA NOT PROPERLY DESIGNED. INSTALLED. AND MAINTAINED. CORRECTIVE ACTION SHALL BE DEFINED AND IMPLEMENTED WITH TOW (2) BUSINESS DAYS, AND TURBIDITY SAMPLES SHALL BE TAKEN FROM DISCHARGES FORM THAT AREA OF THE SITE FOR EACH SUBSEQUENT RAIN EVENT THAT REACHES OF EXCEEDS 0.5 INCH DURRING 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.D4.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 A 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 PERMITTE MAY CHOOSE TO MEET THE REQUIREMENT 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.

THE APPLICABLE PERMITTEES ARE REQUIRED TO SUBMIT A SUMMARY OF THE MONITORING RESULTS TO THE EPD AT THE ADDRESS SHOWN IN PART II.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 ANY STORM WATER DISCHARGE(S) OR THE RECEIVING WATER(S) BEYOND THE MINIMUM FREQUENCY STATED IN THIS PERMIT MUST BE REPORTED IN A SIMILAR MANNER TO THE EPD. THE SAMPLING REPORTS MUST BE SIGNED IN ACCORDANCE WITH PART V.G. 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.

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:

A. A COPY OF ALL NOTICES OF INTENT SUBMITTED TO EPD;

- 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.
- ALL WRITTEN CORRESPONDENCE REQUIRED BY THIS PERMIT SHALL BE SUBMITTED BY RETURN RECEIPT CERTIFIED MAIL (OR SIMILAR SERVICE) TO THE APPROPRIATE DISTRICT OFFICE OF THE EPD ACCORDING TO THE SCHEDULE IN APPENDIX A OF THIS PERMIT. THE PERMITTEE SHALL RETAIN A COPY OF THE PROOF OF SUBMITTAL AT THE CONSTRUCTION SITE OR THE PROOF OF SUBMITTAL SHALL BE READILY AVAILABLE AT A DESIGNATED LOCATION FROM COMMENCEMENT OF CONSTRUCTION UNTIL SUCH TIME AS A NOT IS SUBMITTED IN ACCORDANCE WITH PART VI. IF ELECTRONIC SUBMITTAL IS PROVIDED BY EPD THEN THE WRITTEN CORRESPONDENCE MAY BE SUBMITTED ELECTRONICALLY; IF REQUIRED, A PAPER COPY MUST ALSO BE SUBMITTED BY RETURN RECEIPT CERTIFIED MAIL OR SIMILAR SERVICE.

- THE PRIMARY PERMITTEE SHALL RETAIN THE FOLLOWING RECORDS AT THE CONSTRUCTION SITE OR THE RECORDS SHALL BE READILY AVAILABLE AT THE DESIGNATED ALTERNATE LOCATION FROM COMMENCEMENT OF CONSTRUCTION UNTIL SUCH TIME AS A NOT IS SUBMITTED IN ACCORDANCE WITH PART VI:
 - 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
- 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.2. OF THIS PERMIT: AND G. DAILY RAINFALL INFORMATION COLLECTED IN ACCORDANCE WITH PART IV.D.4.A.(2) OF THIS PERMIT.
- 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 NOT IS SUBMITTED IN ACCORDANCE WITH PART VI. OF THIS PERMIT. THESE RECORDS MUST BE MAINTAINED AT THE PERMITTEE'S PRIMARY PLACE OF BUSINESS OR AT A DESIGNATED ALTERNATIVE LOCATION ONCE THE CONSTRUCTION ACTIVITY HAS CEASED AT THE PERMITTED SITE. THIS PERIOD MAY BE EXTENDED BY REQUEST OF THE EPD AT ANY TIME UPON WRITTEN NOTIFICATION TO THE PERMITTEE.

#33 STORMWATER SAMPLING

STORM WATER SAMPLES ARE TO BE ANALYZED IN ACCORDANCE WITH METHODOLOGY AND TEST PROCEDURES ESTABLISHED BY 40 CER PART 136 AND THE GUIDANCE DOCUMENT TITLED "NPDES STORM WATER SAMPLING GUIDANCE DOCUMENT EPA 833-R-92-001 "

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. GAR 1000001. THE NTU IS BASED UPON THE DISTURBED ACREAGE OF 0.929 ACRES FOR THE PROJECT SITE. THE SURFACE WATER DRAINAGE AREA OF <1.0 SQUARE MILES, AND RECEIVING WATER WHICH SUPPORTS WARM WATER FISHERIES.

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 PORT 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, GAR 100001, "SAMPLE CONTAINERS SHOULD BE LABELED PRIOR TO COLLECTING THE SAMPLES. SAMPLES SHOULD BE WELL MISEXED 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 CLEANSED 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

5-9.99 10-24.99 25-49.99 50-99.99 100-249.99 250-499.99 500+

100

200

	1.00-10	25	50	75	150	300	500	500	500
	10.01-25	25	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
			Su	ırface Wateı	r Drainage Ar	ea, Square <i>N</i>	\iles		
				•	PORTING W. r Drainage Ar		•		
		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	<i>75</i> 0
ACRES	50.01-100	50	50	50	100	100	150	300	600

38 & 39 ALTERNATIVE BMP'S

100.01+ 50

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

41 & 42 WETLANDS, STATE WATERS, BUFFERS

FEMA FLOOD INSURANCE RATE MAP NO. 13291C0064D, DATED 9/28/2007 INDICATES THAT THIS PROPERTY IS LOCATED IN NONE.

#45 PEAK DISCHARGE FLOW

CN PRIOR TO CONSTRUCTION: 97.4 CN AFTER CONSTRUCTION IS COMPLETE: 97.4

#47 SOILS CHART

SOIL SERIES TABLE				
MAPPING UNIT & SOIL NAME	SOIL TEXTURE	ERODIBILITY (K)	STRUCTURE	PERMEABILITY (IN/HR)
UeE- Urban land				

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

EROSION, SEDIMENTATION & POLLUTION CONTROL PLAN CHECKLIST - STAND ALONE CONSTRUCTION PROJECTS SWCD: BLUE RIDGE MOUNTAIN SWCD Filled Out By Project Name CLEVELAND STREET Address CLEVELAND ST Date on Plans City/County BLAIRSVILLE TO BE SHOWN ON ES&PC PLAN 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. Level II certification number issued by the Commission, signature and seal of the certified design professional C8.0-8.3 3. Limits of disturbance shall be no greater 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 muat include at least 4 of the BMPs listed in Appendix 1 of this checklist and the GAEPD approval letter. * 4. The name and phone number of the 24-hour contact responsible for erosion, sedimentation and pollution controls. C8.0 5. Provide the name, address, email address, and phone number of primary permittee. C8.0 6. Note total and disturbed acreages of the project or phase under construction. C8.0 7. Provide the GPS location of the construction exit for the site. Give the Latitude and Longitude in decimal degrees. ALL 8. Initial date of the Plan and the dates of any revisions made to the Plan including the entity who requested the revisions. C8.0 9. Description of the nature of construction activity and existing site conditions. Provide vicinity map showing site's relation to surrounding areas. Include designation of specific phase, if necessary. C8.1-C8.3 Identify the project receiving waters and describe all sensitive adjacent areas including streams, lakes, residential areas, wetlands, marshlands, etc. which may be affected. 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 19 of the permit. 13. Design professional's certification statement and signature that the site was visited prior to development of the comprehensive system of BMPs and sampling to meet permit requirements as stated on Part IV page 19 of the permit. 14. Clearly note the statement that "The design professional who prepared the ES&PC Plan is to inspect the installation of the initial sediment storage requirements and perimeter control BMPs within 7 days after installation." in accordance with Part IV.A.5 page 25 of the permit. * 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 wrested vegetation or within 25-feet of the coastal marshland buffer as measured from the Jurisdictional Determination Line without first acquiring the necessary variances and permits." 16. Provide a description of any buffer encroachments and indicate whether a buffer variance is required. 17. Clearly note the statement that "Amendments/revisions to the ES&PC Plan which have a significant effect on BMPs with C8.0 a hydraulic component must be certified by the design professional." * 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." * 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. 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." 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." 22. Any construction activity which discharges storm water into an Impaired Stream Segment, or within 1 linear mile upstream of and within the same watershed as, any portion of a Biota Impaired Stream Segment must comply with Part III. C. of the permit. Include the completed Appendix 1 listing all the BMPs that will be used for those areas of the site which discharge to the Impaired Stream Segment. * 23 If a TMDL Implementation Plan for sediment has been finalized for the Impaired Stream Seament (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. * 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. * 25. Provide BMPs for the remediation of all petroleum spills and leaks. C8.0 C8.0 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. * C8.0 27. Description of practices to provide cover for building materials and building products on site. *

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Delineate all sampling locations, perennial and intermittent streams and other water bodies into which storm water is 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 perimeter control BMPs, intermediate grading and drainage BMPs, and final BMPs are the same, the Plan may combine all of the BMPs into a

Existing and proposed contour lines with contour lines drawn at an interval in accordance with the following: Map Scale: 1=100' or Larger Scale

28. Description of the practices that will be used to reduce the pollutants in storm water discharges. *

30. Provide complete requirements of Inspections and record keeping by the primary permittee. *

33. Description of analytical methods to be used to collect and analyze the samples from each location. *

31. Provide complete requirements of Sampling Frequency and Reporting of sampling results. *

32. Provide complete details for Retention of Records as per Part IV.F. of the permit. *

34. Appendix B rationale for NTU values at all outfall sampling points where applicable. *

Description and chart or timeline of the intended sequence of major activities which disturb soils for the major portions

f the site (i.e., initial perimeter and sediment storage BMPs, clearing and grubbing activities, excavation activities,

Contour Intervals: 0.5 or 1; 1 or 2; 2, 5 or 10

Erosion & Sediment Control in Georgia 2016 Edition. *

The limits of disturbance for each phase of construction.

single phase.

37. Graphic scale and North arrow.

utility activities, temporary and final stabilization).

C8.1-C8.3

C8.0

C8.0

C8.0

C8.0

C8.1-C8.3

C8.1-C8.3

C8.1-C8.3

C8.1-C8.3

HYDRO

HYDRO

C8.0

C8.1-C8.3

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.gaswcc.georgia.gov. 40. Use of alternative BMP for application to the Equivalent BMP List. Please refer to Appendix A-2 of the Manual for

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. 42. Delineation of on-site wetlands and all state waters located on and within 200 feet of the project site.

43. Delineation and acreage of contributing drainage basins on the project site. 44. Provide hydrology study and maps of drainage basins for both the pre- and post-developed conditions. * 45. An estimate of the runoff coefficient or peak discharge flow of the site prior to and after construction activities are

46. Storm-drain pipe and weir velocities with appropriate outlet protection to accommodate discharges without erosion. Identify/Delineate all storm water discharge points. Soil series for the project site and their delineation.

C8.1-C8.3 Provide a minimum of 67 cubic yards of sediment storage per acre drained using a temporary sediment basin, C8.1-C8.3 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 BMPs 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 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. 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.

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.

Effective January 1, 2024

PROFESSIONA BRIAN KIM. GSWCC Level II Certification No. 000000003007

CARTER ENGINEERING 1010 COMMERCE DR

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EROSION **CONTROL NOTES**

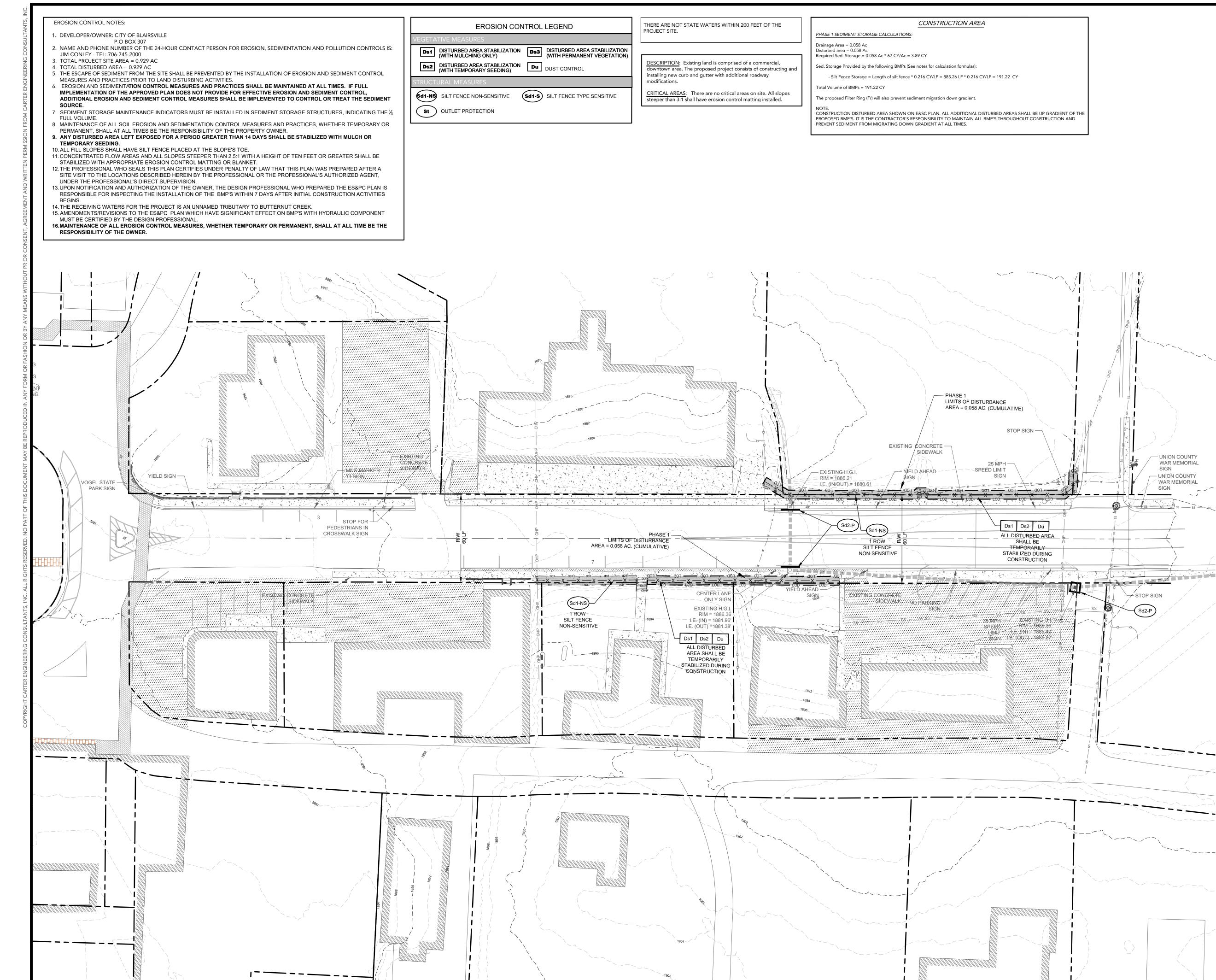
PROJECT NAME:

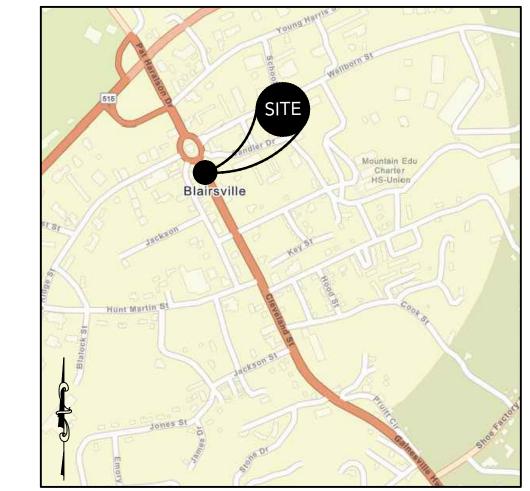
CLEVELAND STREET

SHEET NUMBER: C 8.0 PROJECT NUMBER:

01.15.24

22001CBM





DRAWING SET PREPARED BY:	OWNER/DEVELOPE
CARTER ENGINEERING CONSULTANTS, INC.	CITY OF BLAIRSVIL
1010 COMMERCE DR	P.O BOX 3
BOGART, GA 30622	BLAIRSVILLE, GA 305
CONTACT: BRIAN KIMSEY, P.E.	CONTACT: JIM CONL
PHONE: 770.725.1200	706-745-20
BRIAN@CARTERENGINEERING.NET	JIM_CONLEY@BLAIRSVILLE-GA.GO

THIS PLAN SHALL BE CONSIDERED CONCEPTUAL IN NATURE AND IS INTENDED TO PROVIDE A GENERAL LAYOUT FOR PROPOSED ROADWAYS IMPROVEMENTS FOR THE OWN SQUARE AND CLEVELAND STREET IN BLAIRSVILLE, GA. PROPOSED ROADWAY IMPROVEMENTS INCLUDE, BUT ARE NOT LIMITED TO:

MILL ASPHALT PAVEMENT - VARIABLE DEPTH (MININMUM TO 1 ½ " BELOW PROPOSED GUTTER LINE)

DEMO AND REMOVE ALL CONCRETE SIDEWALKS

DEMO AND REMOVE EXISTING STORM DRAINAGE PIPES AND STRUCTURES AKE DOWN AND SALVAGE SIGNAGE AS REQUIRED

INSTALL 9.5MM SUPERPAVE, TYPE II, GP 2, INCLUDE BITUM MATERIAL (LAYER THICKNESS =

NSTALL NEW 24" CONCRETE CURB AND GUTTER/ 24" CONCRETE VALLEY GUTTER CONSTRUCT NEW CONCRETE SIDEWALKS WITH APPROPRIATE ADA CURB RAMPS

RE-ERECT SIGNAGE AS NECESSARY RE-STRIPE ROADWAY WITH THERMOPLASTIC STRIPING VHITE/YELLOW - EDGE/ HATCHING - SOLID/ SKIP/ WORD TYP 15/ ARROWS TYP 1&2)

HE CONCEPTUAL PLAN DOES NOT INCLUDE INFORMATION REGARDING EXISTING OR PROPOSED

ANY PROPOSED UTILITY WORK ASSOCIATED WITH THE ROADWAY IMPROVEMENT PROJECT

LOCATION MAP SCALE: N.T.S.

> GSWCC Level II Certification No. 000000003007

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EROSION CONTROL PHASE

CLEVELAND STREE

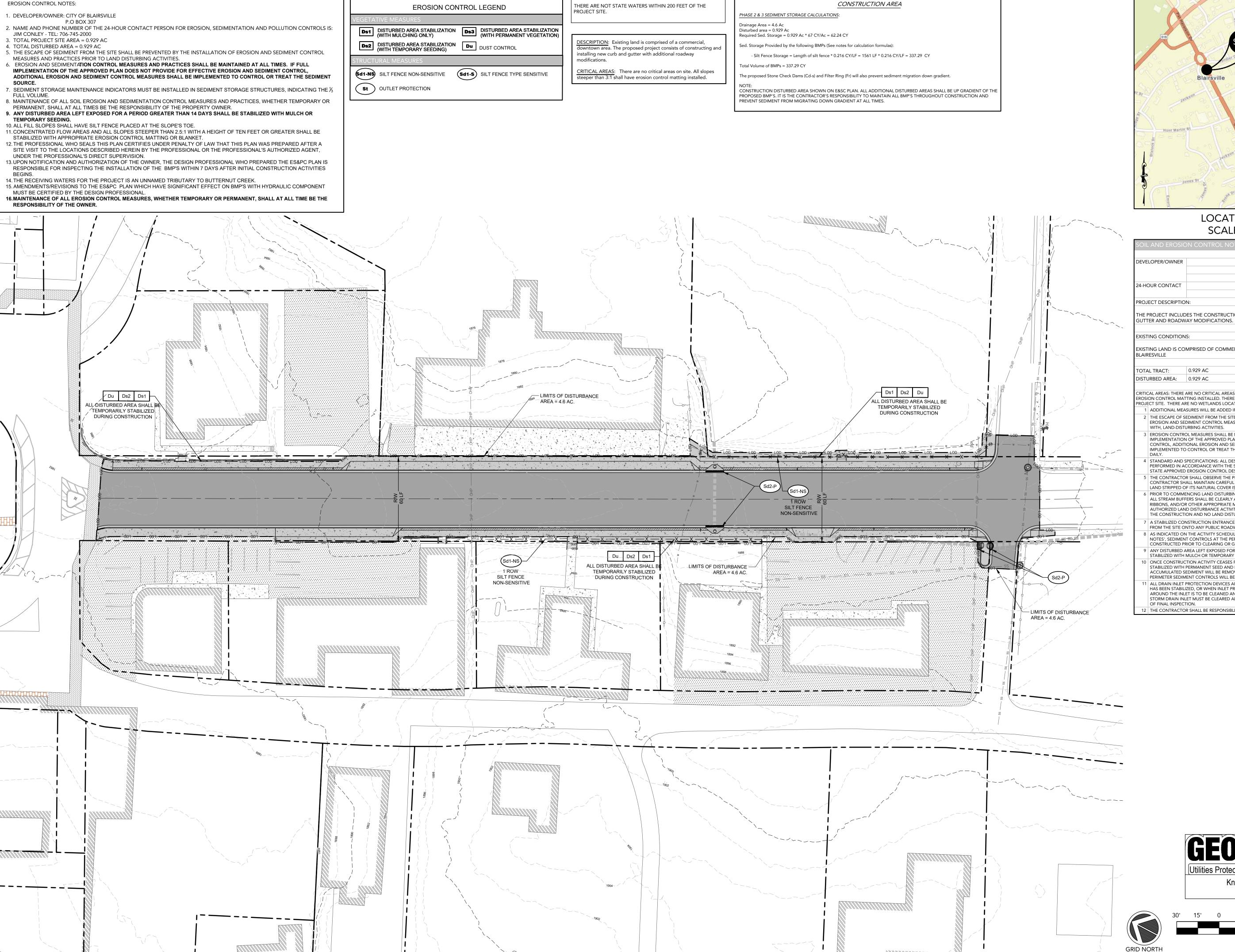
SHEET NUMBER: C 8.1

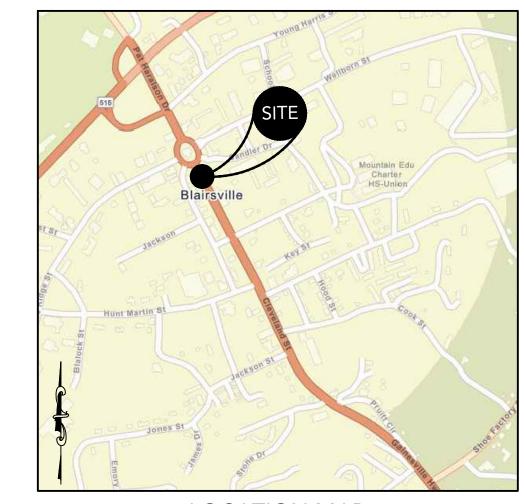
PROJECT NUMBER: 22001CBM

01.15.24

Know what's below Call before you dig **GRAPHIC SCALE** SCALE: 1" = 30'

GRID NORTH





DEVELOPER/OWNER CITY OF BLAIRSVILL P.O BOX 30 BLAIRSVILLE, GA 3051 24-HOUR CONTACT JIM CONLE 706-745-2000 PROJECT DESCRIPTION: THE PROJECT INCLUDES THE CONSTRUCTION AND INSTALLATION OF NEW CURB AND

EXISTING LAND IS COMPRISED OF COMMERCIAL BUILDING LOCATED DOWNTOWN

DISTURBED AREA: 0.929 AC

RITICAL 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 ROJECT 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
- B | 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
- 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. 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. PRIOR TO COMMENCING LAND DISTURBING ACTIVITY. THE LIMITS OF LAND DISTURBANCE AN
- 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. A STABILIZED CONSTRUCTION ENTRANCE SHALL BE INSTALLED AT EACH POINT OF ENTRY/EXI
- FROM THE SITE ONTO ANY PUBLIC ROADWAY PRIOR TO ANY OTHER CONSTRUCTION. AS INDICATED ON THE ACTIVITY SCHEDULE ON THE SHEET LABELED 'EROSION CONTROL NOTES', SEDIMENT CONTROLS AT THE PERIMETER AND THE CONSTRUCTION EXITS WILL BE
- 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 ALL DRAIN INLET PROTECTION DEVICES ARE TO BE REMOVED WITHIN 30 DAYS AFTER THE SITE

GEORGIA811

Know what's below

GRAPHIC SCALE

SCALE: 1" = 30'

Call before you dig

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 THE CONTRACTOR SHALL BE RESPONSIBLE FOR REMOVING ALL TEMPORARY BMPS.

GSWCC Level II Certification No. 000000003007

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IMPROVEM

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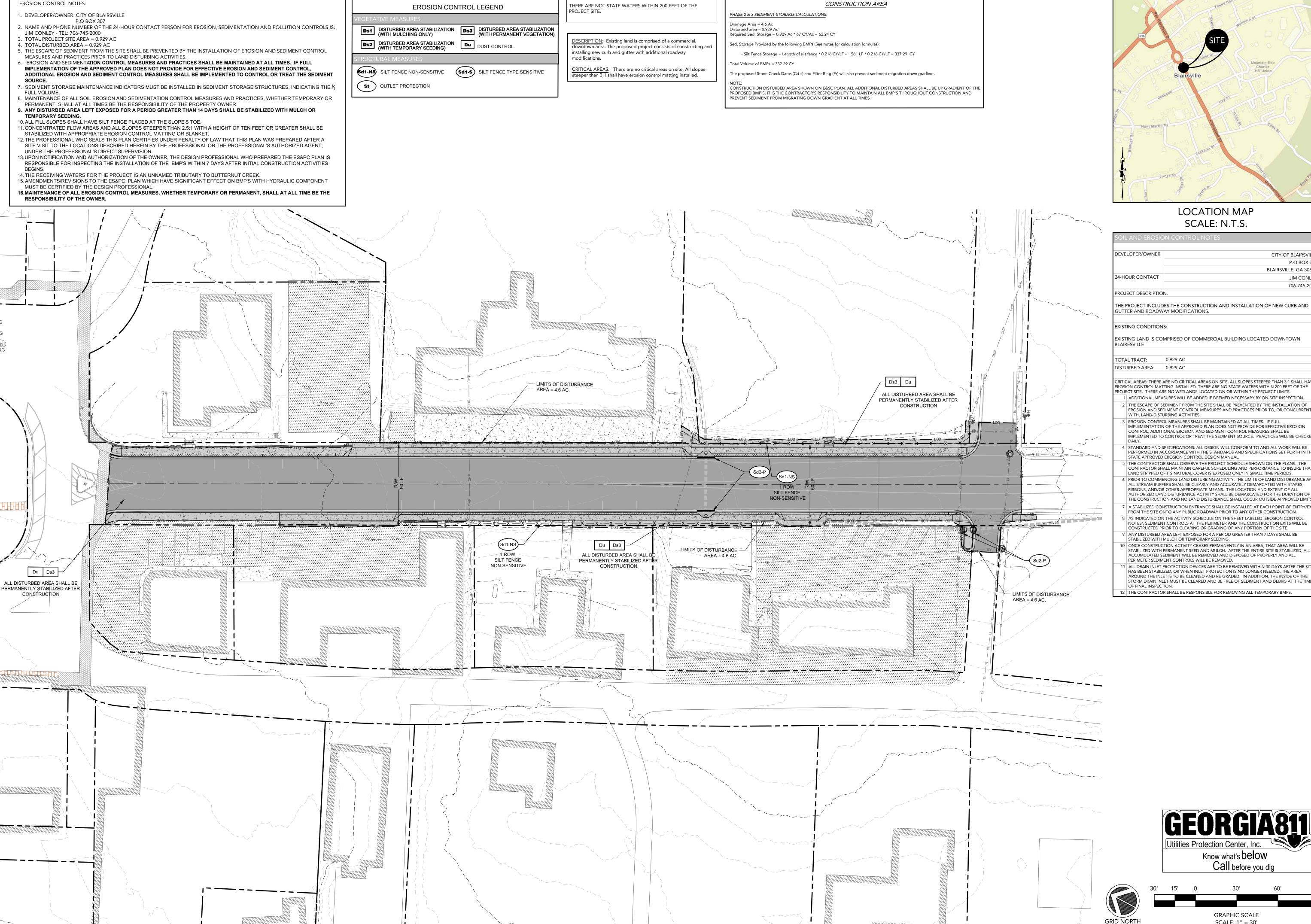
SHEET TITLE: **EROSION CONTROL PHASE**

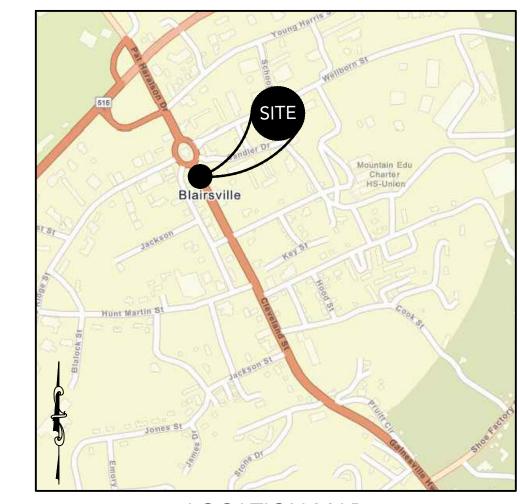
PROJECT NAME:

CLEVELAND STREE

SHEET NUMBER: C 8.2

PROJECT NUMBER: 22001CBM





DEVELOPER/OWNER CITY OF BLAIRSVILL P.O BOX 30 BLAIRSVILLE, GA 3051 24-HOUR CONTACT JIM CONLE 706-745-2000 PROJECT DESCRIPTION:

UTTER AND ROADWAY MODIFICATIONS.

EXISTING LAND IS COMPRISED OF COMMERCIAL BUILDING LOCATED DOWNTOWN

DISTURBED AREA: 0.929 AC

RITICAL 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 ROJECT 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.
- B | 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
- 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.
- 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. PRIOR TO COMMENCING LAND DISTURBING ACTIVITY. THE LIMITS OF LAND DISTURBANCE AN 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. A STABILIZED CONSTRUCTION ENTRANCE SHALL BE INSTALLED AT EACH POINT OF ENTRY/EXI FROM THE SITE ONTO ANY PUBLIC ROADWAY PRIOR TO ANY OTHER CONSTRUCTION. AS INDICATED ON THE ACTIVITY SCHEDULE ON THE SHEET LABELED 'EROSION CONTROL NOTES', SEDIMENT CONTROLS AT THE PERIMETER AND THE CONSTRUCTION EXITS WILL BE
- 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 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 THE CONTRACTOR SHALL BE RESPONSIBLE FOR REMOVING ALL TEMPORARY BMPS.

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GSWCC Level II Certification No. 000000003007

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P: 770.725.1200 : 770.725.1204 www.carterengineering.com

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SHEET TITLE: **EROSION CONTROL PHASE**

PROJECT NAME:

CLEVELAND STREE

SHEET NUMBER: C 8.3

PROJECT NUMBER: 22001CBM

01.15.24

Call before you dig **GRAPHIC SCALE** SCALE: 1" = 30'

TEMPORARY AND PERMANENT VEGETATION SHALL BE INSTALLED IN ACCORDANCE WITH THE REQUIREMENTS OF CHAPTER 6 OF "THE MANUAL FOR EROSION AND SEDIMENTATION CONTROLLING GEORGIA". TEMPORARY GRASSING

TEMPORARY GRASSES SHALL CONSIST OF SOWING A QUICK GRASS SUCH AS RY MILLET, OR GRASS SUITABLE TO THE AREA AND SEASON. LIME AND FERTILIZER WILL BE OMITTE MULCH IS NOT REQUIRED BUT SHOULD BE USED AS DICTATED BY SITE CONDITIONS. TEMPOR GRASSING IS REQUIRED WHEN DISTURBED AREA IS LEFT EXPOSED MORE THAN 14 DAYS.

40#/ACRE 10-40#/ACRE 1/2-3 bu./ACRE 2-4#/ACRE 10-40#/ACRE APRIL — JUNE AUGUST—DECEMBER FEBRUARY—JUNE BROWN MILLET RYE WEEPING LOVEGRASS ANNUAL LESPEDEZA SUDAN GRASS WHEAT APRIL—AUGUST SEPTEMBER—DECEMBER 60#/ACRE

PERMANENT GRASSING

PERMANENT GRASSING SHALL CONSIST OF GROUND PREPARATION, LIMING, FERTILIZATION, MULCHING AND SEEDING. THE GROUND SHALL BE PREPARED BY PLOWING AND DISKING TO A DEPTH NOT LESS THAN 4". FERTILIZER AND LIME SHALL BE UNIFORMLY MIXED INTO THE GROUND, WITH FERTILIZER AT THE RATE OF 1500#/ACRE AND LIME AT THE RATE OF 2000#/ACRE. THE GROUND SHALL BE FINISHED OFF SMOOTH AND UNIFORM AND BE FREE OF ROCKS, CLODS, ROOTS AND WEEDS. FERTILIZER SHALL BE APPLIED PER THE TABLE BELOW. WEATHER PERMITTING, SEEDING SHALL BE DONE WITHIN 24 HOURS OF FERTILIZER APPLICATION. SEED SHALL BE UNIFORMLY SPREAD AT THE RATES SHOWN BELOW. MULCHING IS REQUIRED AND SHALL BE DONE IMMEDIATELY AFTER SEEDING. MULCH SHALL BE UNIFORMLY APPLIED OVER SEEDED AREAS AND SHALL ACHIEVE 75% TO 100% SOIL COVER. THE RATE OF APPLICATION SHALL BE DOUBLED ON SLOPES STEEPER THAN 4:1.

GRASSING RATES AND SCHEDULE

60#/ACRE WEEPING LOVE GRASS
UNHULLED BERMUDA
HULLED BERMUDA
BAHIA 2-4#/ACRE 6-10#/ACRE 6-10#/ACRE MARCH—JUNE JAN—FEB/OCT—DEC MARCH-JUNE

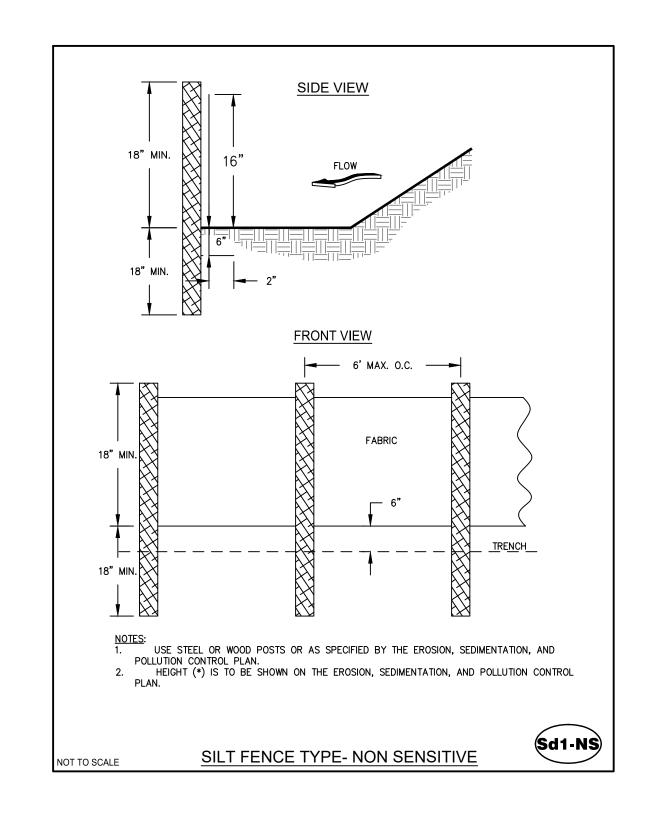
(o) USE A MINIMUM OF 40# SCARIFIED SEED. REMAINDER MAY BE UNSCARIFIED, CLEAN HÚLLED SEED.
(b) USE EITHER COMMON SERALA, OR INTERSTATE SERICEA LESPEDEZA.

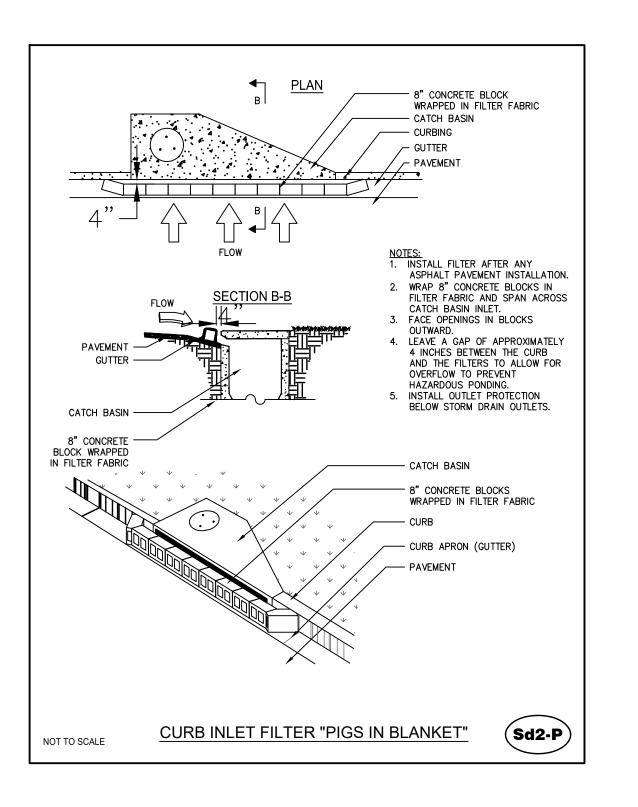
LIMING RATES

Agricultural lime is required at the rate of one to two tons per acre unless soil tests indicate otherwise. Graded areas require lime application. If lime is applied within six months of planting permanent perennial vegetation, additional lime is not required. Agricultural lime shall be within the specifications of the Georgia Department of Agriculture.

FERTILIZER REQUIREMENTS

TYPES OF SPECIES	YEAR	ANALYSIS OR EQUIVALENT N-P-K	RATE	N TOP DRESSING RATE
Cool season grasses	First Second Maintenance	6-12-12 6-12-12 10-10-10	1500 lbs./ac. 1000 lbs./ac. 400 lbs./ac.	50-100 lbs./ac/ 1/2/ - 30
2. Cool season grasses and legumes	First Second Maintenance	6-12-12 0-10-10 0-10-10	1500 lbs./ac. 1000 lbs./ac. 400 lbs./ac.	0-50 lbs./ac. 1/ -
3. Ground Covers	First Second Maintenance	10-10-10 10-10-10 10-10-10	1300 lbs./ac. 3/ 1300 lbx./ac. 3/ 1100 lbx./ac.	-
4. Shrub Lespedeza	First Maintenance	0-10-10 0-10-10	700 lbs./ac. 700 lbs./ac. 4/	-
5. Warm season grasses	First Second Maintenance	6-12-12 6-12-12 10-10-10	1500 lbs./ac. 800 lbs./ac. 400 lbs./ac.	50-100 lbs./ac. 2/ 6/ 50-100 lbs./ac. 2/ 30 lbs./ac.
6. Warm season grasses and legumes	First Second Maintenance	6-12-12 0-10-10 0-10-10	1500 lbs./ac. 1000 lbs./ac. 400 lbs./ac.	50 lbs./ac. 6/
				Ds1_Ds2_Ds3.dwg









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AND STREET
- BLAIRSVILLE, GA 30514

ROADWAY IMPROVEMENT

EROSION CONTROL DETAILS

CLEVELAND STREET

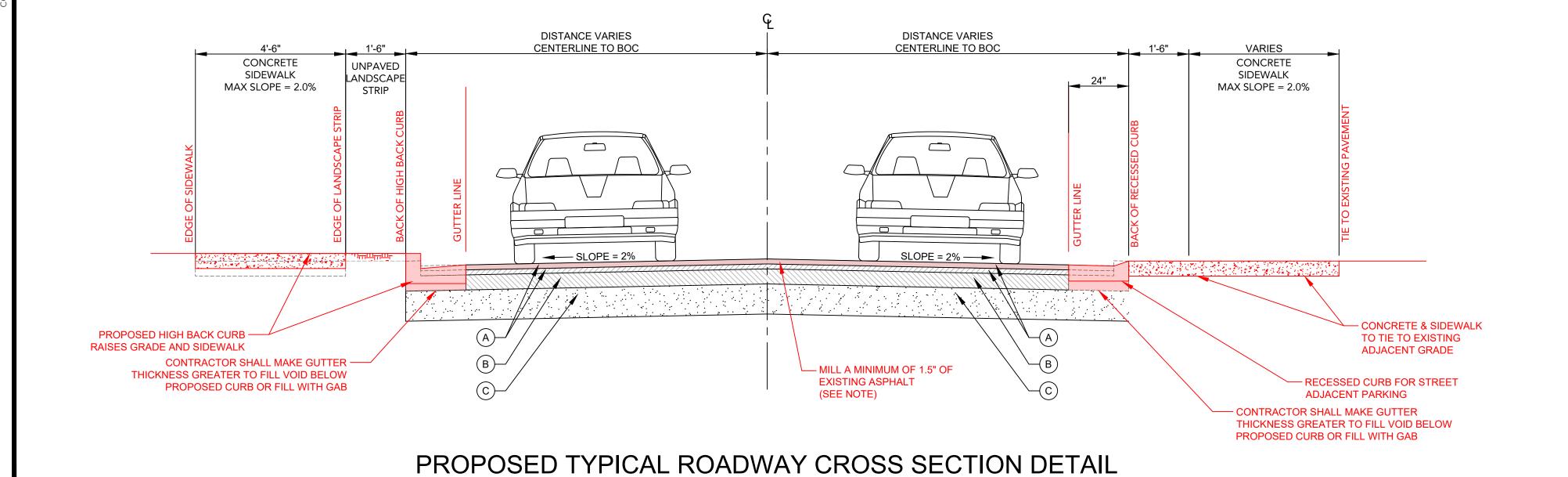
SHEET NUMBER: C 8.4

PROJECT NUMBER: 22001CBM

EXISTING TYPICAL ROADWAY CROSS SECTION DETAIL

DISTANCE VARIES DISTANCE VARIES VARIES **VARIES** CONCRETE UNPAVED CONCRETE UNPAVED SIDEWALK LANDSCAPE LANDSCAPE SIDEWALK STRIP SLOPE = 2% SLOPE = 2% ——► DEMO AND REMOVE — — DEMO AND REMOVE **EXISTING SIDEWALK** EXISTING SIDEWALK <u>B</u> — MILL A MINIMUM OF 1.5" OF **EXISTING ASPHALT** (SEE NOTE) - DEMO AND REMOVE EXISTING C&G (INCLUDE ASPHALT OVERLAY) DEMO AND REMOVE EXISTING C&G —/ (INCLUDE ASPHALT OVERLAY)

DEMO TYPICAL ROADWAY CROSS SECTION DETAIL



TYPICAL SECTION LEGEND

- A: EXISTING ASPHALT OVERLAY LAYER(S)
- B: ORIGINAL ROADWAY ASPHALT LAYER(S)
- C: EXISTING ROADWAY BASE LAYER
- D: EXISTING CONCRETE CURB AND GUTTER
- E: EXISTING UNPAVED LANDSCAPE STRIP F: EXISTING CONCRETE SIDEWALK

1. DETAILS MEANT TO PROVIDE EXISTING TYPICAL SECTIONS AND MATERIALS. SECTIONS WIDTHS VARY AT TAPERS AND ROAD WIDENING.

- A: EXISTING ASPHALT OVERLAY LAYER(S)
- B: ORIGINAL ROADWAY ASPHALT LAYER(S)
- C: EXISTING ROADWAY BASE LAYER
- D: EXISTING CONCRETE CURB AND GUTTER
- E: EXISTING UNPAVED LANDSCAPE STRIP
- F: EXISTING CONCRETE SIDEWALK

1. ROAD TO BE CROWNED ABOUT THE CENTERLINE. 2% CROSS SLOPES TO THE CONCRETE GUTTER SHALL BE PROVIDED.

2. MILLING OF 1.5" IS MINIMUM REQUIRED UNLESS ASPHALT BUILDUP IS REQUIRED TO MEET 2% CROSS SLOPE. MINIMUM THICKNESS OF NEW

TYPICAL SECTION LEGEND

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PLANS

AND STREET
- BLAIRSVILLE, GA 30514 ROADWAY IMPROVEMENT

TYPICAL SECTIONS

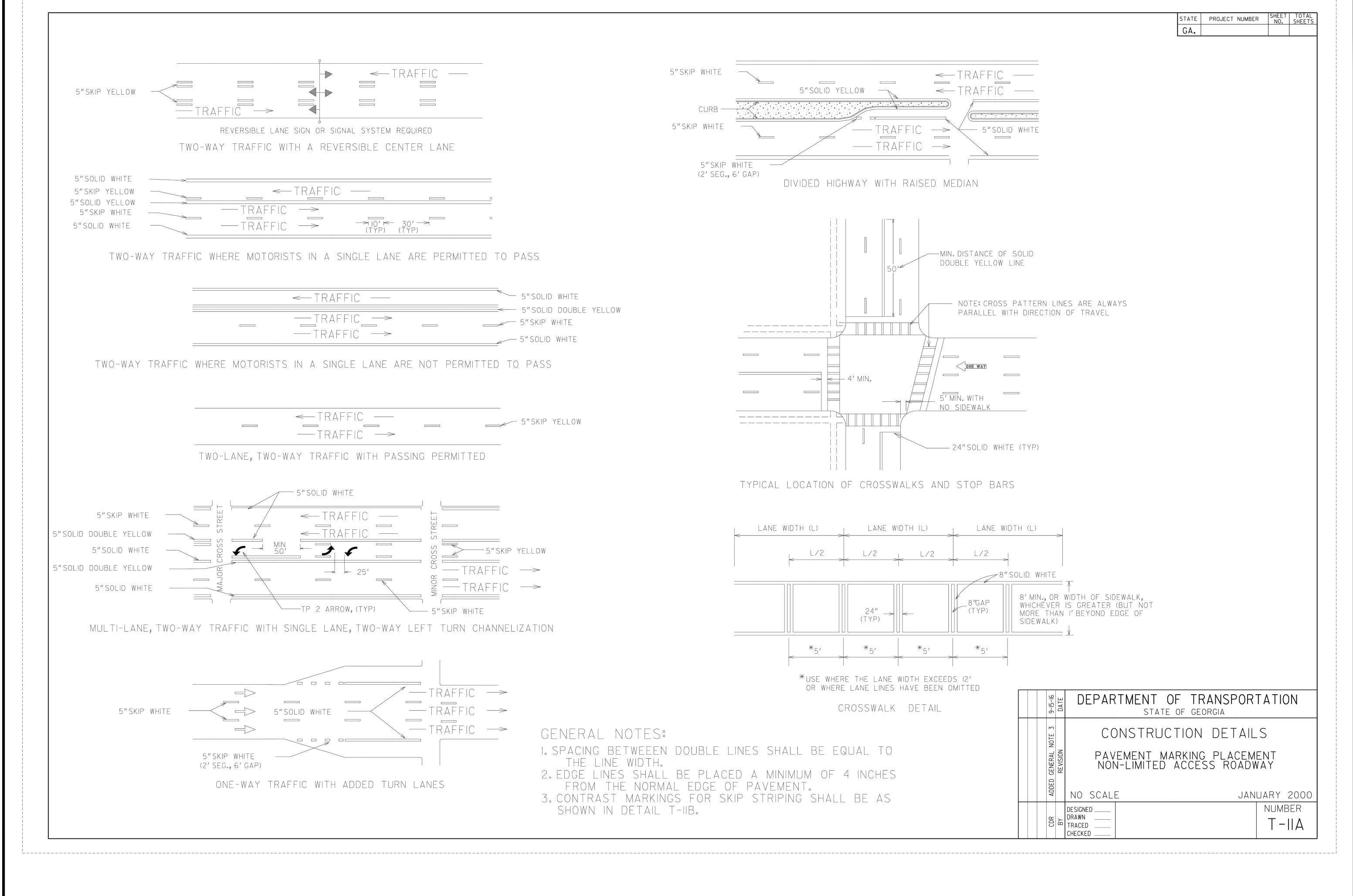
CLEVELAND STREET

SHEET NUMBER: C 9.0

PROJECT NUMBER: 22001CBM

01.15.24

Know what's below Call before you dig







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PLAN! STREET SVILLE, GA 30514 ROADWAY IMPROVEMENT

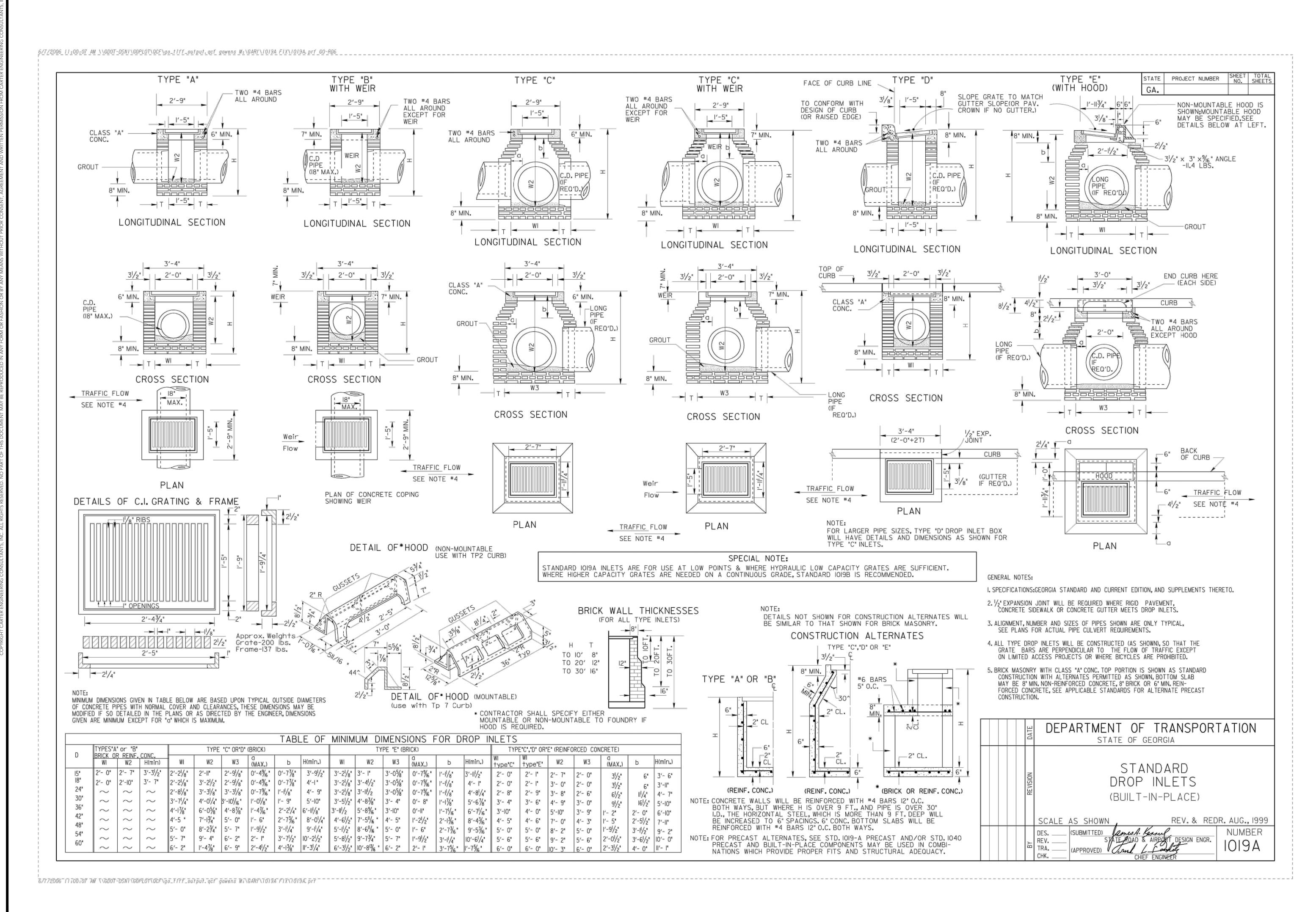
STANDARD **DETAILS**

PROJECT NAME:

CLEVELAND STREET

SHEET NUMBER: C 9.1 PROJECT NUMBER:

22001CBM







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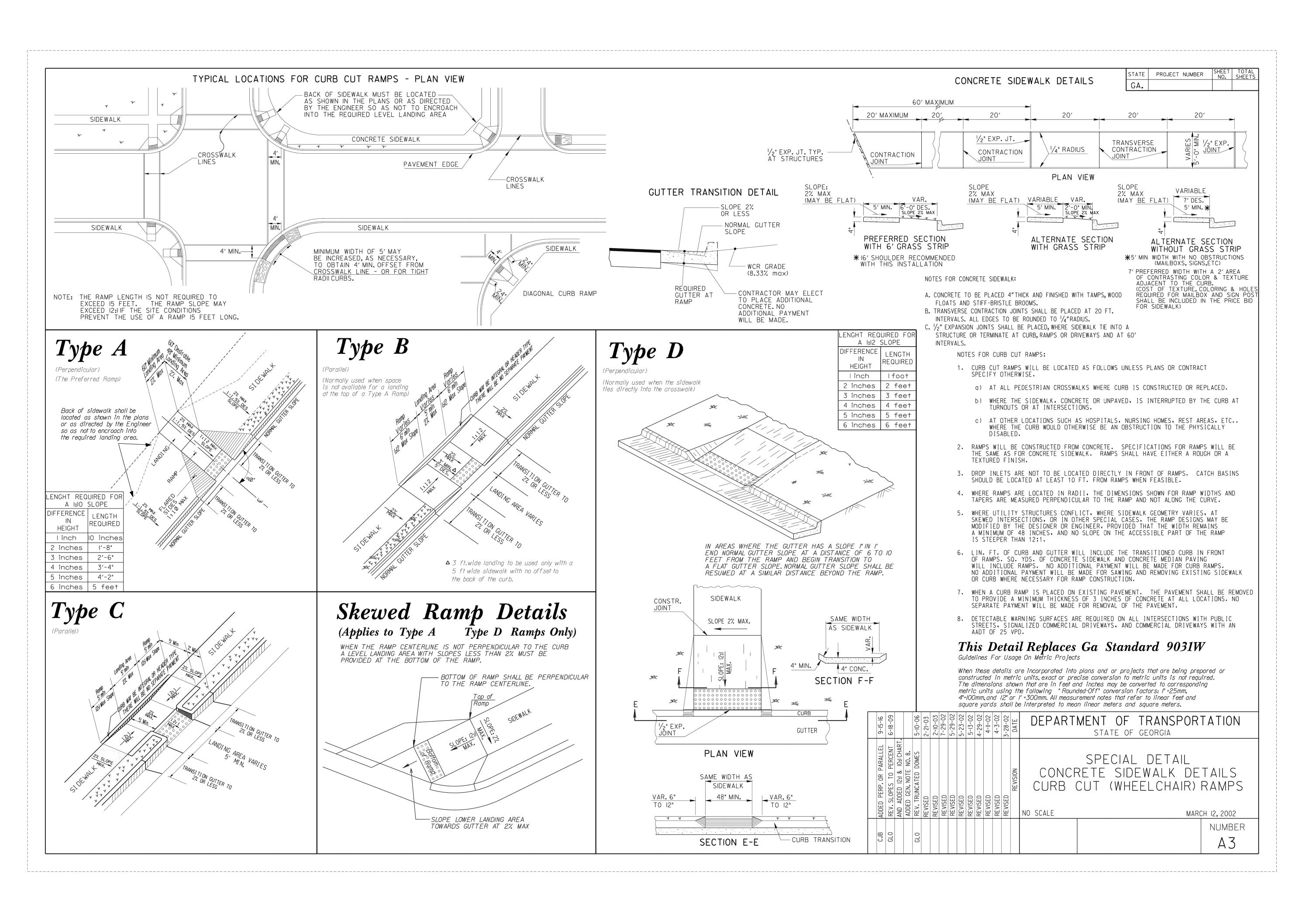
STANDARD **DETAILS**

PROJECT NAME:

SHEET NUMBER:

CLEVELAND STREET

C 9.2 PROJECT NUMBER: 22001CBM

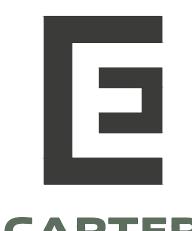


UE REVISION DATE & DESCRIPTION

01.15.24 - INITIAL SUBMITTAL

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IMPROVEMENT PLANS

FOR

CLEVELAND STREE

CLEVELAND ST - BLAIRSVILLE, GA

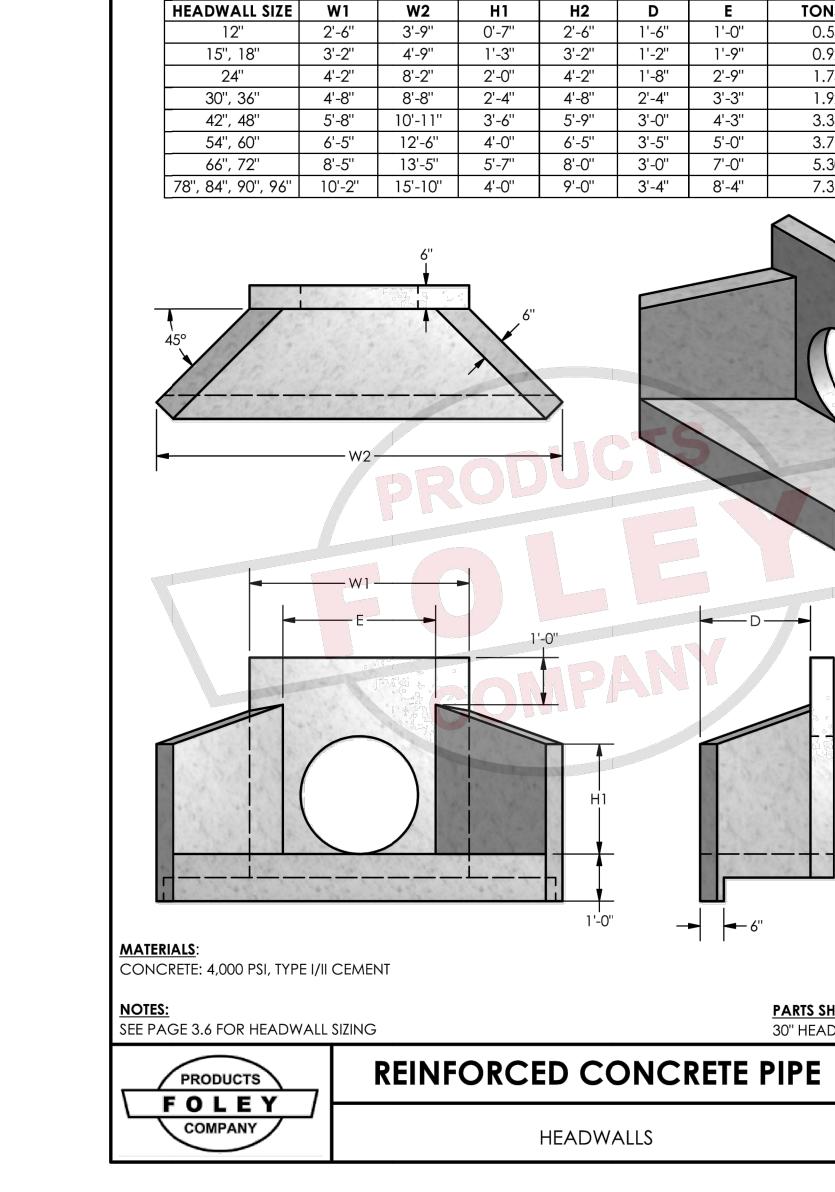
HEET TITLE:
STANDARD

DETAILS
PROJECT NAME:

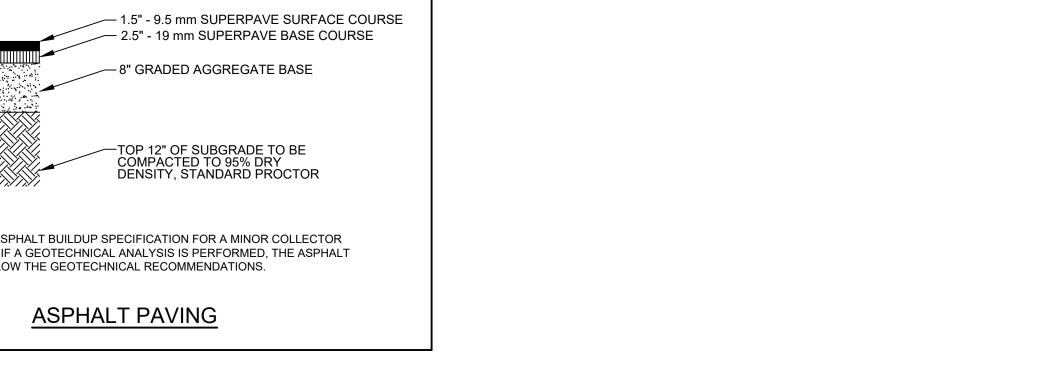
CLEVELAND STREET

SHEET NUMBER: C 9.3

PROJECT NUMBER: 22001CBM







TONS BLOCKS

0.55 N/A

3.33 4

5.30 9

<u>Parts shown</u>: 30" headwall for Ø18" rcp

1.92

3.77



1010 COMMERCE DR

BOGART, GA 30622 P: 770.725.1200 F: 770.725.1204 www.carterengineering.com **PLANS**

STREET SVILLE, GA 30514

ROADWAY IMPROVEMENT

STANDARD

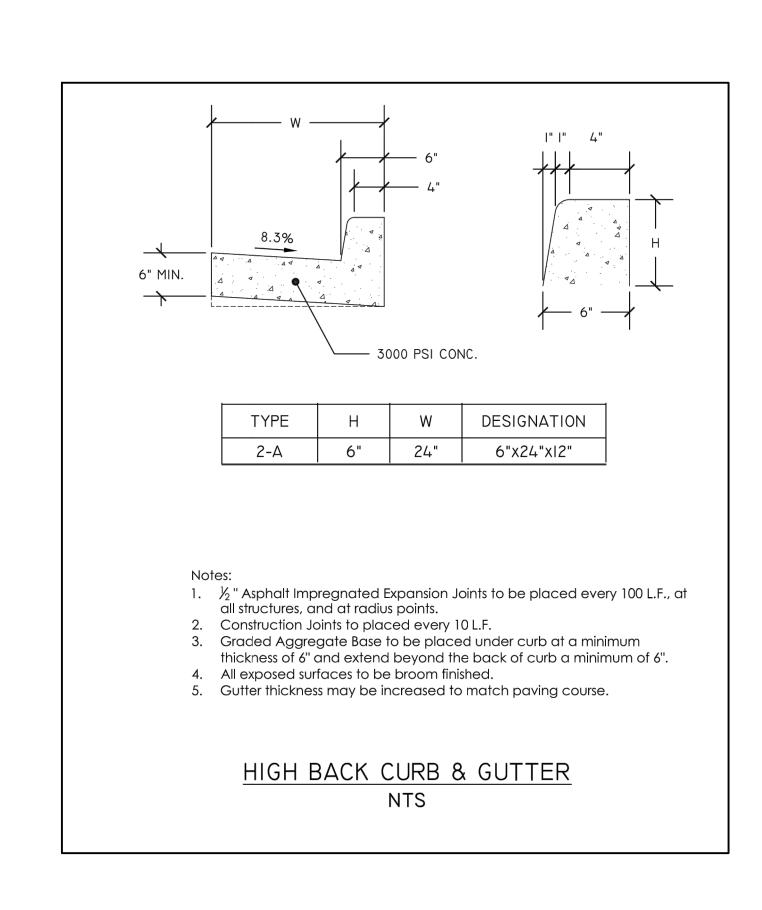
DETAILS

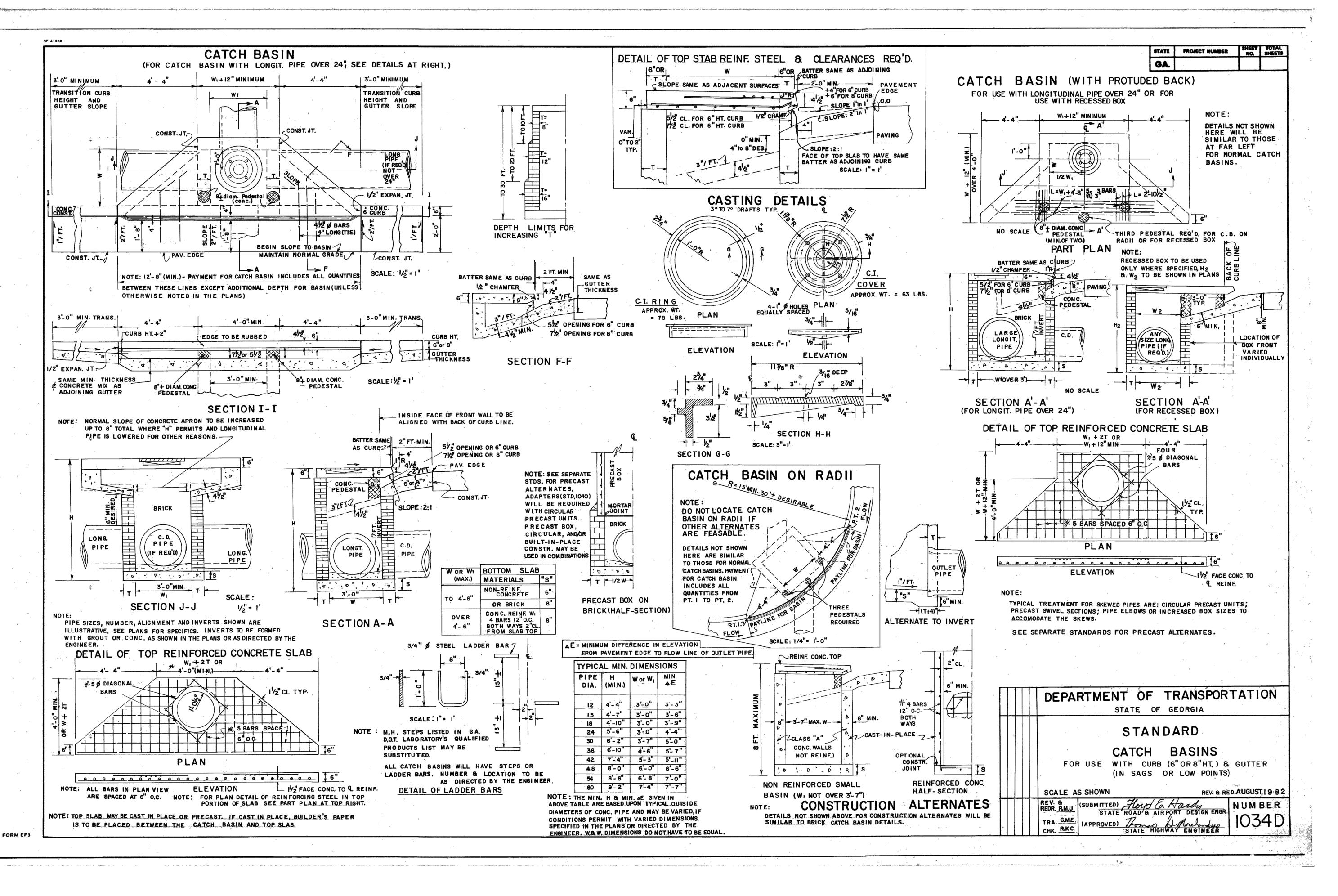
PROJECT NAME:

CLEVELAND STREET

SHEET NUMBER: C 9.4

PROJECT NUMBER: 22001CBM





 REVISION BLOCK

 ISSUE
 REVISION DATE & DESCRIPTION

 1
 01.15.24 -- INITIAL SUBMITTAL

 2

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 4

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 6

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





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ADWAY IMPROVEMENT PLAN FOR CLEVELAND STREET CLEVELAND ST-BLAIRSVILLE, GA 30514

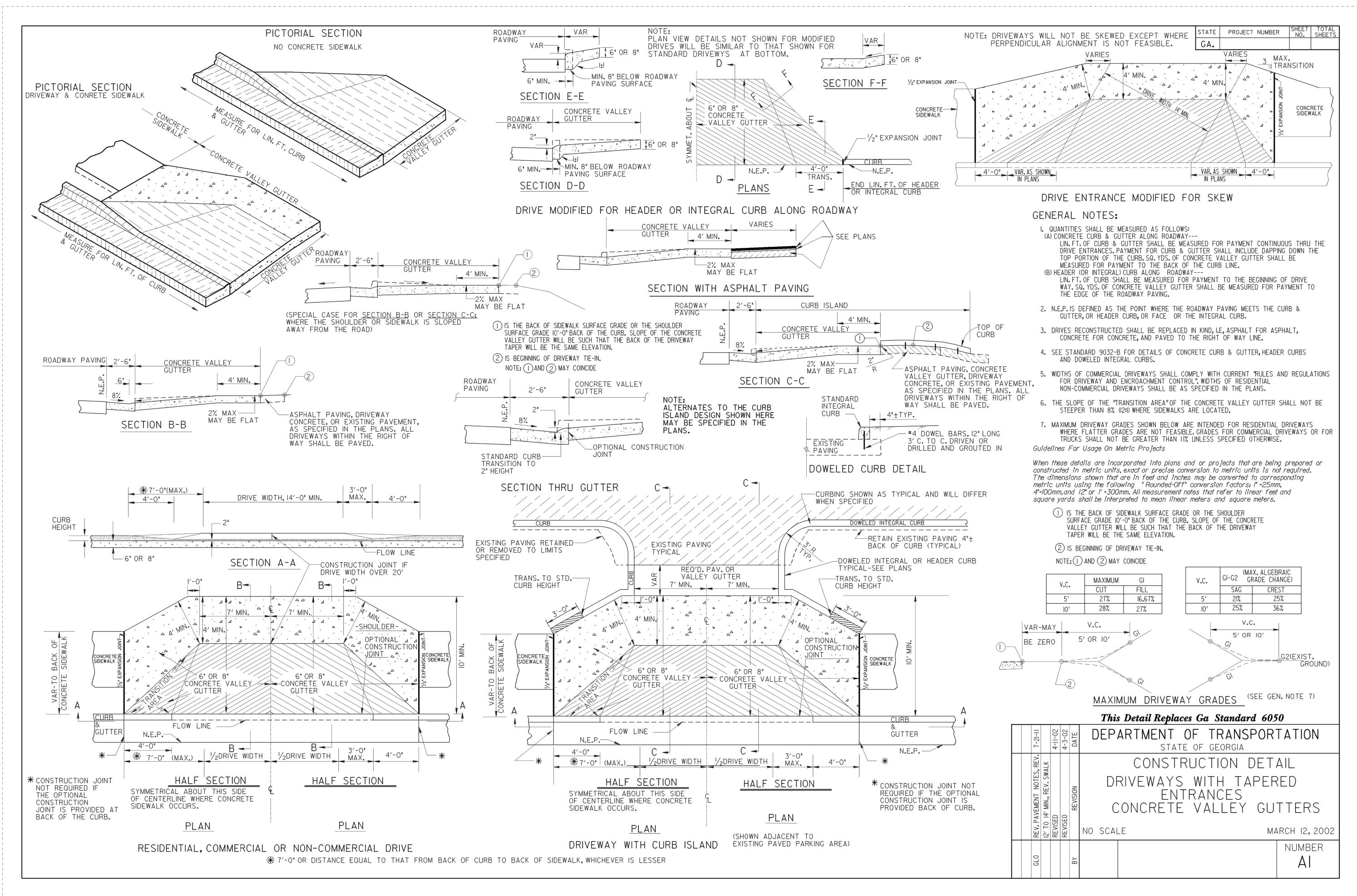
HEET TITLE:
STANDARD
DETAILS

PROJECT NAME:

CLEVELAND STREET

SHEET NUMBER: C 9.5

PROJECT NUMBER:
22001CBM





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IMPROVEMENT

STANDARD

DETAILS PROJECT NAME:

CLEVELAND STREET

SHEET NUMBER:

C 9.6 PROJECT NUMBER: 22001CBM

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1. SPEED TABLE LOCATIONS HAVE NOT BEEN SURVEYED.

APPLICABLE.

2. TOP OF THE SPEED TABLE SHALL EXTEND LANE WHITE END LINE TO LAND WHITE EDGE

3. SPEED TABLES SHALL BE CONSTRUCTED TO NOT IMPACT STREET PARKING IF

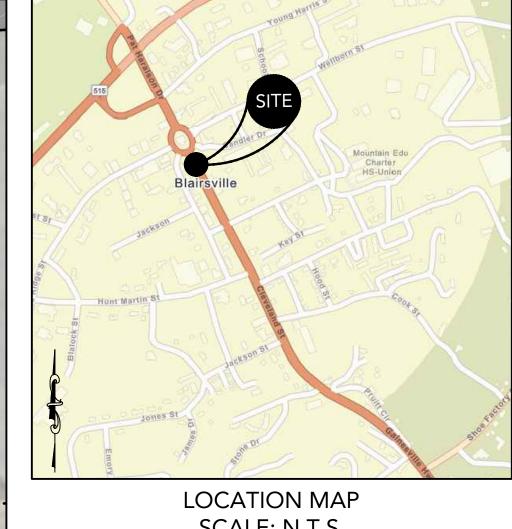
5. ALL SUBGRADE SHALL BE COMPACTED TO 95% STANDARD PROCTOR.

4. EXISTING ASPHALT SHALL BE SAWCUT AT THE EXTENTS OF THE PROPOSED SPEED

LINE ACROSS ROADWAY. A 1.0-FOOT TAPER SHALL COMMENCE AT THE WHITE EDGE

— #4 EPOXY COATED REBAR

30" LONG @ 2'-6" O.C.



SCALE: N.T.S.

	PROJECT INFORMATION	
/		
	DRAWING SET PREPARED BY:	OWNER/DEVELOPER:
	CARTER ENGINEERING CONSULTANTS, INC.	CITY OF BLAIRSVILLE
	1010 COMMERCE DR	P.O BOX 307
9	BOGART, GA 30622	BLAIRSVILLE, GA 30514
	CONTACT: BRIAN KIMSEY, P.E.	CONTACT: JIM CONLEY
	PHONE: 770.725.1200	706-745-2000
	BRIAN@CARTERENGINEERING.NET	JIM_CONLEY@BLAIRSVILLE-GA.GOV

HIS PLAN SHALL BE CONSIDERED CONCEPTUAL IN NATURE AND IS INTENDED TO PROVIDE A GENERAL LAYOUT FOR PROPOSED ROADWAYS IMPROVEMENTS FOR THE OWN SQUARE AND CLEVELAND STREET IN BLAIRSVILLE, GA. PROPOSED ROADWAY IMPROVEMENTS INCLUDE, BUT ARE NOT LIMITED TO:

MILL ASPHALT PAVEMENT - VARIABLE DEPTH (MININMUM TO 1 ½ " BELOW PROPOSED GUTTER LINE)

DEMO AND REMOVE ALL CONCRETE SIDEWALKS

1/8" WIDE x 1" MIN. "SOFF-CUT"

EARLY ENTRY SAW CUT. APPLY BACKER ROD AND SEALANT AS

DEMO AND REMOVE EXISTING STORM DRAINAGE PIPES AND STRUCTURES TAKE DOWN AND SALVAGE SIGNAGE AS REQUIRED

INSTALL 9.5MM SUPERPAVE, TYPE II, GP 2, INCLUDE BITUM MATERIAL (LAYER THICKNESS =

INSTALL NEW 24" CONCRETE CURB AND GUTTER/ 24" CONCRETE VALLEY GUTTER CONSTRUCT NEW CONCRETE SIDEWALKS WITH APPROPRIATE ADA CURB RAMPS RE-ERECT SIGNAGE AS NECESSARY

RE-STRIPE ROADWAY WITH THERMOPLASTIC STRIPING WHITE/YELLOW - EDGE/ HATCHING - SOLID/ SKIP/ WORD TYP 15/ ARROWS TYP 1&2)

HE CONCEPTUAL PLAN DOES NOT INCLUDE INFORMATION REGARDING EXISTING OR PROPOSED ANY PROPOSED UTILITY WORK ASSOCIATED WITH THE ROADWAY IMPROVEMENT PROJECT.

SAWCUT SLAB AS SOON AS POSSIBLE AFTER

WITHIN FOUR HOURS IN COLD WEATHER.

— DETAIL 11/S3.0

- BACKER ROD (FOLLOW SEALANT

Know what's below Call before you dig

GRAPHIC SCALE

SCALE: 1" = 20'

MANUFACTURER'S RECOMMENDATIONS)

SEALANT TO BE ONE—PART POURABLE URETHANE SEALANT

FOR USE T: TYPE S, GRADE P, CLASS 25 AND COMPLYING WITH THE FOLLOWING REQUIREMENTS FOR

USES T, M AND, AS APPLICABLE TO JOINT SUBSTRATES

SAW CUT AT CONTRACTION JOINT DETAIL

FINISHING. WITHIN ONE HOUR IN HOT WEATHER,

No. 000000003007

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MP

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PROJECT NAME:

SHEET TITLE:

SPEED TABLE PLAN

CLEVELAND STREET

SHEET NUMBER:

C 10.0 PROJECT NUMBER:

22001CBM 01.15.24

NOTIFY CIVIL ENGINEER OF ANY DISCREPANCY.

5. NOTIFY THE ENGINEER OF CONDITIONS ENCOUNTERED IN THE FIELD CONTRADICTORY TO

STRUCTURAL NOTES:

. ALL CONCRETE SHALL BE 4000 PSI REG. WT. WITH A MAX. W/C RATIO OF 0.45. AIR ENTRAINMENT

ALL STRUCTURAL CONCRETE WORK SHALL BE IN ACCORDANCE WITH THE REQUIREMENTS OF THE AMERICA CONCRETE INSTITUTE 301-10 STANDARD\SPECIFICATIONS FOR STRUCTURAL

GRADE DH OR HD3 NUT AND ONE F436 WASHER PER BOLT. FASTENERS SHALL BE FURNISHED WITH ROTATIONAL CAPACITY TEST.

NON-DESTRUCTIVE TESTES OF ALL WELDS SHALL BE PERFORMED AS FOLLOWS: FILLET WELDS - VISUAL INSPECTION - 100%

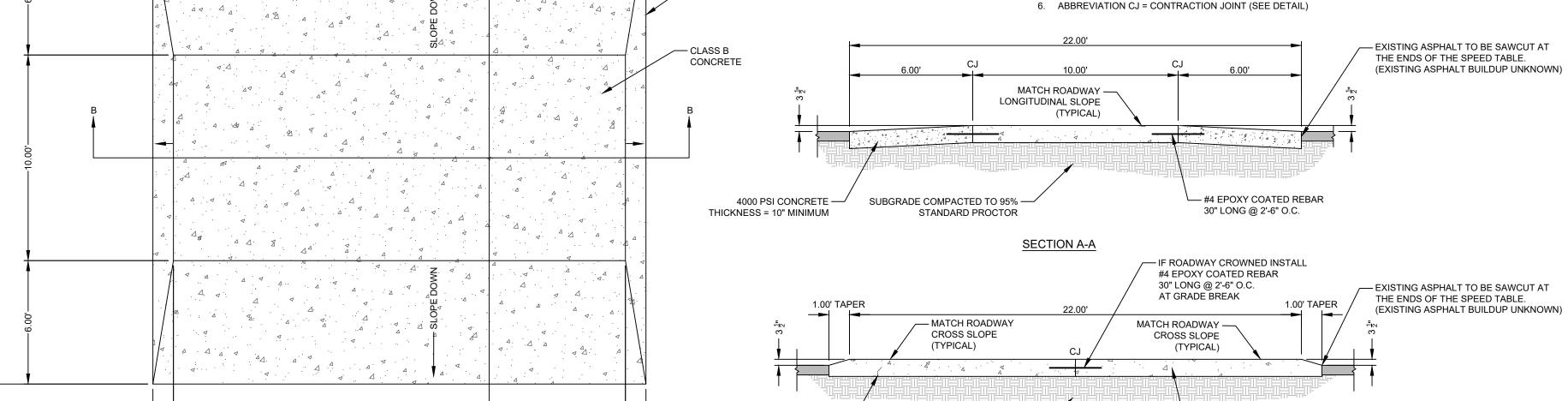
THE ANCHOR BOLTS SHALL BE EITHER CAST-IN-PLACE DURING THE ABUTMENT CONSTRUCTION OR DRILLED AND ANCHORED TO THE ABUTMENTS PRIOR TO THE BRIDGE BEING ERECTED. IF DRILLED AND ANCHORED, THE AMBIENT TEMPERATURE OF AIR AND SUBSTRUCTURE MUST BE ABOVE 35° F AND BELOW 110° F. THE ANCHOR BOLTS SHALL BE ANCHORED USING ULTRABOND 1300 HIGH STRENGTH STRUCTURAL EPOXY OR EQUAL. THE EPOXY ADHESIVE SHALL BE MIXED AND INSTALLED IN ACCORDANCE WITH THE MANUFACTURER'S RECOMMENDATIONS.

ULTRABOND IS A PRODUCT OF ADHESIVES TECHNOLOGY CORP., 450 EAST COPANS ROAD, POMPANO BEACH, FL 33064, PHONE: 800-892-1880. THE STRUCTURAL EPOXY IS FURTHER DESCRIBED AS A TWO COMPONENT 1:1 RATIO, 100% SOLIDS, HIGH MODULUS, SOLVENT FREE, MOISTURE INSENSITIVE, AND NON-SAG. MEETS ASTM C881-90, TYPE I, II, IV, V GRADE 3, CLASS A, B AND C, AASHTO M235

14. GEOTECHNICAL ENGINEER SHALL APPROVE THE SOIL BEARING CAPACITY.

16. THE CONTRACTOR IS RESPONSIBLE FOR ENSURING THE COMPLIANCE WITH OSHA REGULATIONS. 17. AN INDEPENDENT TESTING AGENCY SHALL INSPECT AND APPROVE THE BEARING MATERIALS

19. ALL CONTROL JOINTS SHOULD BE INSTALLED WITH CAMFER EDGES AT 25 FT INTERVALS



4000 PSI CONCRETE —

CONCRETE SPEED TABLE DETAIL

1.00' TAPERICKNESS = 10" MINIMUM

- EXISTING ASPHALT TO BE SAWCUT AT

(EXISTING ASPHALT DEPTHS UNKNOWN)

SUBGRADE COMPACTED TO 95% —

STANDARD PROCTOR

SECTION B-B

THE ENDS OF THE SPEED TABLE.

EXISTING ASPHALT TO BE SAWCUT AT -

(EXISTING ASPHALT DEPTHS UNKNOWN)

1.00' TAPER ─►

PLAN VIEW

THE ENDS OF THE SPEED TABLE.

GENERAL NOTES:

1. ALL CONSTRUCTION SHALL CONFORM TO THE REQUIREMENTS OF THE 2006 INTERNATIONAL BUILDING CODE, WITH ALL GEORGIA AMENDMENTS. REFERENCE TO OTHER STANDARD SPECIFICATIONS OR CODES SHALL MEAN THE DATE OF THE PUBLICATION LISTED IN THE REFERENCE SECTION OF THE 2006 INTERNATIONAL BUILDING CODE U.N.O.

THIS STRUCTURE HAS BEEN DESIGNED IN ACCORDANCE WITH ACI 350-06, ENVIRONMENTAL

2. THIS STRUCTURE HAS BEEN DESIGNED IN ACCORDANCE WITH ACI 350-06, ENVIRONMENTAL ENGINEERING CONCRETE STRUCTURES.

3. THE CONTRACTOR SHALL BE SOLELY RESPONSIBLE FOR ALL MEANS, METHODS, TECHNIQUES, SEQUENCES, AND PROCEDURES OF CONSTRUCTION IN CONFORMANCE WITH ALL FEDERAL, STATE, AND LOCAL REGULATIONS.

4. VERIFY ALL EXISTING CONDITIONS, DIMENSIONS AND ELEVATIONS BEFORE STARTING WORK.

THOSE SHOWN ON THE CONTRACT DOCUMENTS.

THE CONTRACT DOCUMENTS.

THE CONTRACTOR IS SOLELY RESPONSIBLE FOR THE DESIGN, ADEQUACY, AND SAFETY OF ANY NECESSARY ERECTION BRACING, SHORING, OR TEMPORARY SUPPORTS REQUIRED TO SUIT THE MEANS, METHODS, AND SEQUENCE OF CONSTRUCTION.

OF 3-6 PERCENT, AND A SLUMP RANGE OF 3" TO 5". SUBMIT CONCRETE MIX DESIGN FOR THE EXPOSED EDGES OF CONCRETE SHALL HAVE A 3/4 INCH, 45 DEGREE CHAMFER UNLESS SHOWN

ALL REINFORCING STEEL SHALL BE ASTM A615, GRADE 60 AND BE FREE OF
RUST SCALE OR ANY FOREIGN MATERIOR PRIOR TO INSTALLATION.
CONCRETE SLAB AND FOUNDATION SHALL BE +/- 1/8" OF FINISH GRADE. CONCRETE, AMERICAN CONCRETE INSTITUTE 318-11, AND INTERNATIONAL BUILDING CODE

2012.

7. ALL STRUCTURAL CONCRETE SHALL BE F'c = 4000 PSI

8. ALL STRUCTURAL STEEL SHAPES SHALL CONFORM TO ASTM A992

9. CAST IN PLACE ANCHOR BOLTS SHALL BE ASTM F1554 GRADE 36

10. MATERIAL:

ALL SUPERSTRUCTURE STEEL SHALL BE ASTM A709, GRADE 50 (A572), UNLESS NOTED OTHERWISE. ALL STEEL GALVANIZED AFTER FABRICATION. ALL FASTENERS, UNLESS NOTED OTHERWISE SHALL BE HIGH STRENGTH BOLTS, ASTM A325 TYPE 1 (GALV) WITH ASTM A563

CRADE DH OR HIGH STRENGTH BOLTS, ASTM A325 TYPE 1 (GALV) WITH ASTM A563

ALL WELDING SHALL BE IN ACCORDANCE WITH AASHTO/AWS D1.5 BRIDGE WELDING CODE AND THE AASHTO FRACTURE CONTROL, WHERE APPLICABLE.

FILLET WELDS - MAGNETIC PARTICLE TESTING - 10% MIN PER AWS D1.5

13. PROFILE GRADE: SLOPE IS ASSUMED TO BE 0%. MEMBERS AND BEARING PLATES ARE FABRICATED TO FIT UP

ACCURATELY UP TO A GRADE OF 1.5%. IF PROFILE GRADE EXCEEDS 1.5%, THE FABRICATOR SHALL BE NOTIFIED. 15. ON SITE GEOTECHNICAL ENGINEER SHALL APPROVE THE EXCAVATION FOR THE WALL AND MEET OSHA STANDARDS BEFORE THE START OF CONSTRUCTION.

AND APPROVE THE SUITABILTY OF THE MATERIAL. 18. BACKFILL REQUIREMENTS: PLACEMENT IN 8-INCH LIFTS AT 95% STANDARD PROCTOR

GRID NORTH