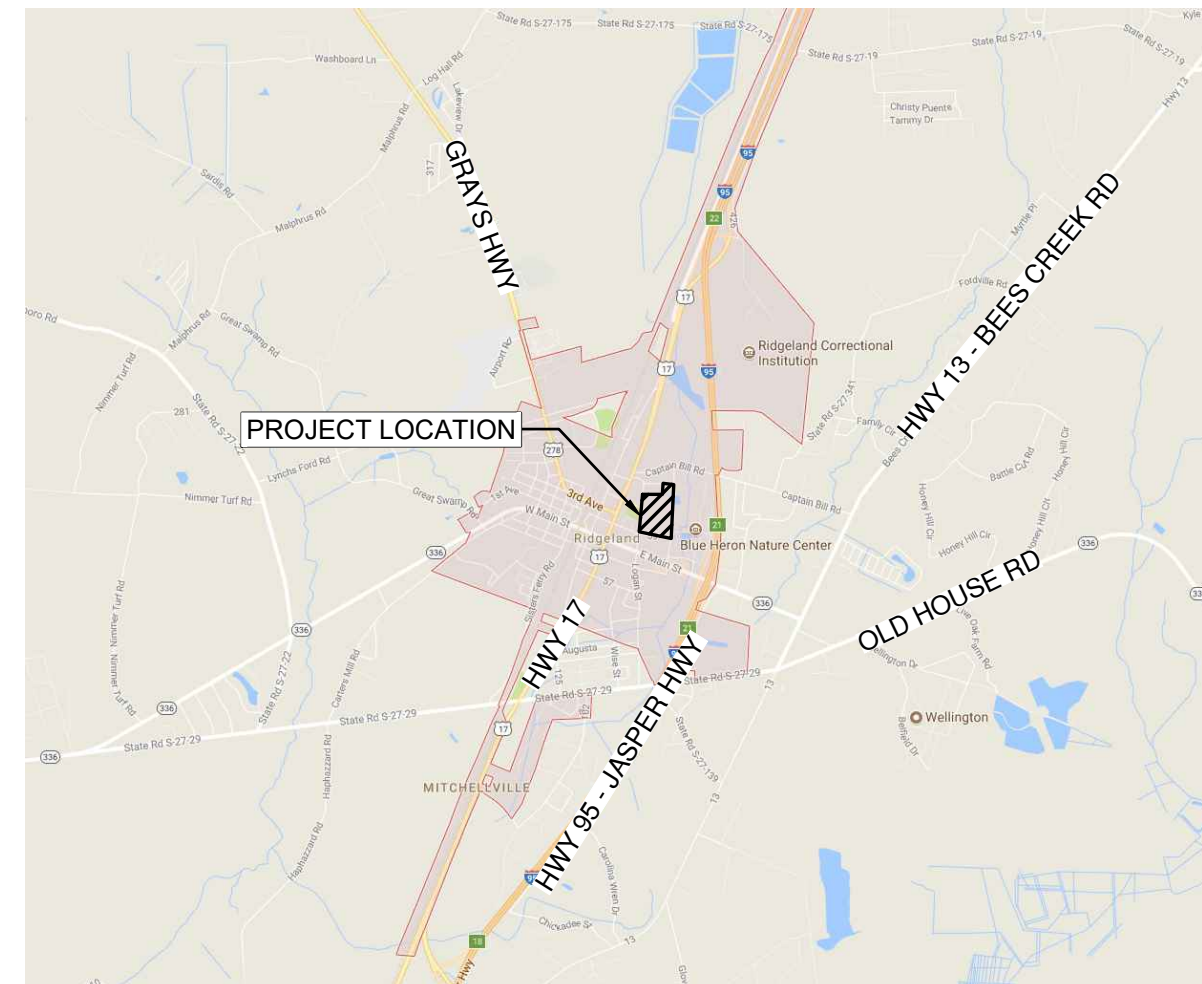


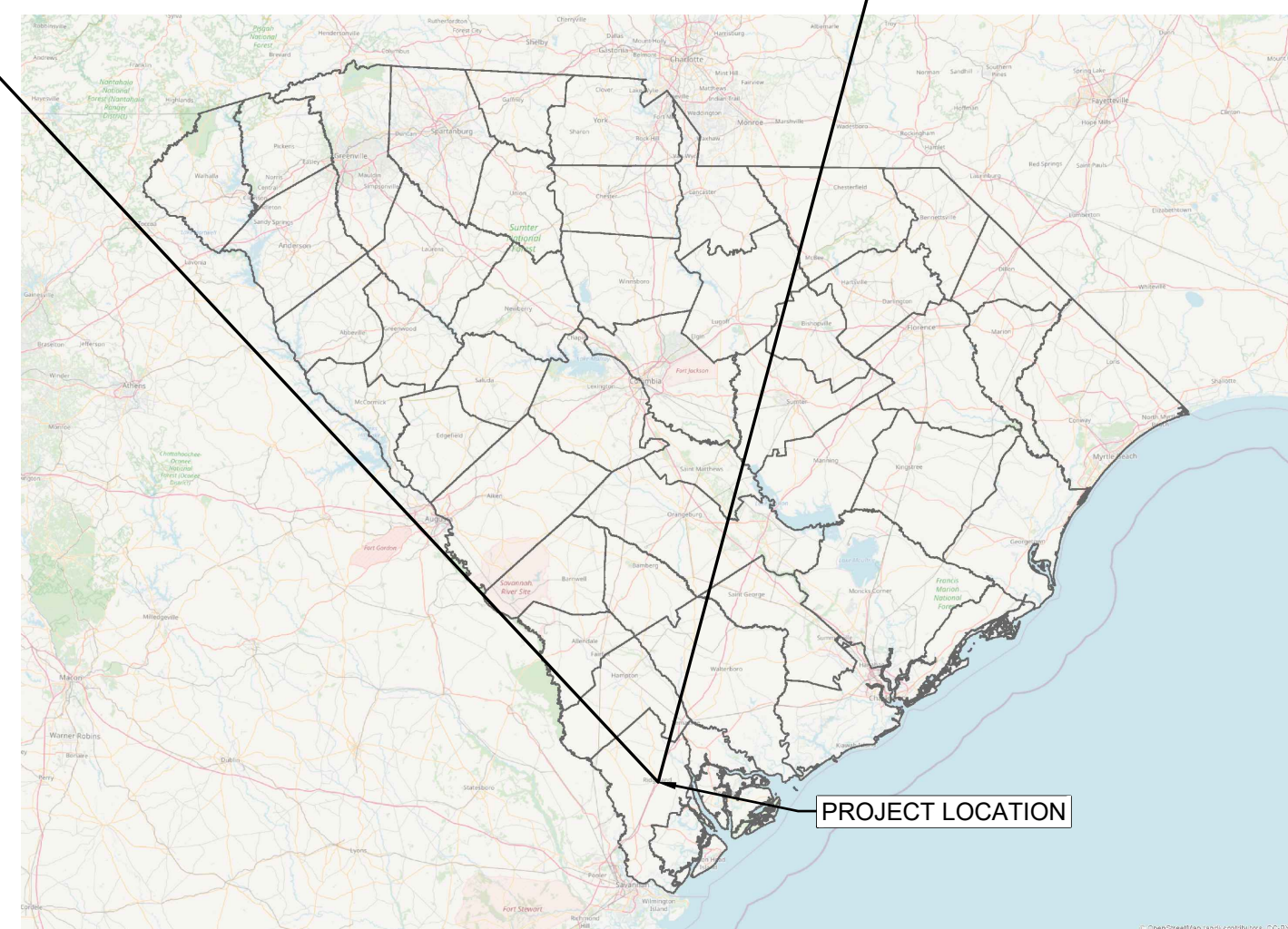
CONSTRUCTION DRAWINGS FOR:

# TOWN OF RIDGELAND RIDGELAND TRAILS CLEARING

REQUEST FOR BIDS NO.: TOR-2025-01



LOCATION MAP - VICINITY



LOCATION MAP - REGION



**MAYOR**  
JOSEPH N. MALPHRUS, JR  
**MAYOR PRO TEMPORE**  
TOMMY RHODES  
**COUNCIL MEMBERS**  
JOSEPHINE BOYLES  
BILL FISHBURNE  
LIBBY MALPHRUS  
**TOWN ADMINISTRATOR**  
DENNIS E. AVERKIN

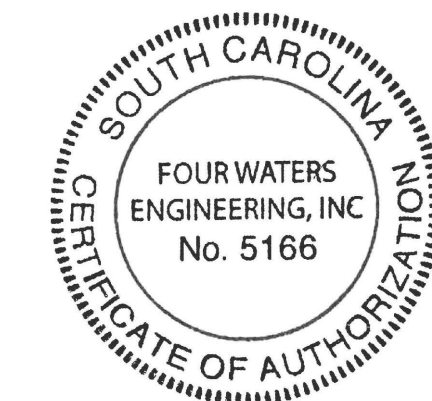
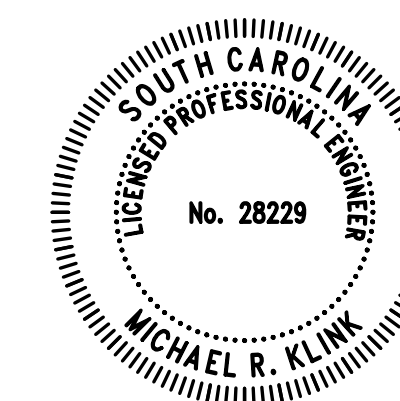
PROJECT #: 17-007:040



PREPARED BY

LWCF GRANT # 45-01179

DRAWING INDEX	
Sheet Number	Sheet Title
COVER	COVER AND NOTES
G-1	COVER AND NOTES
G-2	EXISTING CONDITIONS - KEY MAP
G-3	EXISTING CONDITIONS
G-4	EXISTING CONDITIONS
G-5	EXISTING CONDITIONS
C-1	PROPOSED IMPROVEMENTS - KEY MAP
C-2	PROPOSED IMPROVEMENTS
C-3	PROPOSED IMPROVEMENTS
C-4	CONSTRUCTION LIMITS
D-1	DETAILS
D-2	DETAILS
D-3	DETAILS
D-4	MAINTENANCE OF TRAFFIC



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DATE: JANUARY 2025

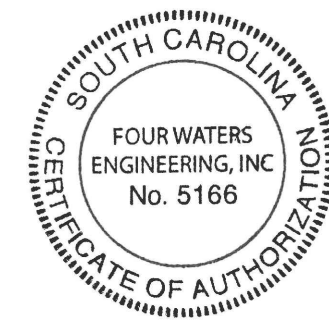
ISSUE: BID

**GENERAL NOTES:**

- BOUNDARY AND TOPOGRAPHIC INFORMATION SHOWN HEREON WAS OBTAINED FROM SURVEY PERFORMED BY ATLAS SURVEYING, INC. JOB NUMBER BFT-23200. HORIZONTAL DATUM BASED ON NAD 83 AND VERTICAL DATUM BASED ON NAVD 88 DATUM.
- THE CONTRACTOR SHALL PROTECT ALL BENCHMARKS AND MONUMENTS FROM DAMAGE AND SHALL ESTABLISH OFFSET POINTS AS REQUIRED FOR THIS WORK. THE CONTRACTOR IS RESPONSIBLE FOR THE LAYOUT OF ALL SCHEDULED IMPROVEMENTS AS SHOWN ON THE CONTRACT DRAWINGS.
- ALL CONSTRUCTION THAT PERTAINS TO WATER AND SEWER SHALL CONFORM TO THE TOWN OF RIDGELAND STANDARD SPECIFICATIONS FOR WATER AND SEWER SYSTEMS, LATEST EDITION. ALL CONSTRUCTION THAT PERTAINS TO ROADWAY AND DRAINAGE THAT IS NOT SPECIFICALLY NOTED OR DETAILED IN THE CONSTRUCTION DRAWINGS SHALL CONFORM TO THE SCDOT SPECIFICATIONS, LATEST EDITION. THE CONTRACTOR SHALL REFER TO THE MOST CURRENT EDITION OF THE SCDOT STANDARD DRAWINGS.
- AVAILABLE INFORMATION AS TO THE LOCATION OF EXISTING UTILITIES HAS BEEN COLLECTED FROM VARIOUS SOURCES. THE RESULT OF SUCH INVESTIGATIONS, AS MAY BE SHOWN ON THE CONTRACT DRAWING, ARE NOT GUARANTEED AS TO ACCURACY OR COMPLETENESS. ALL EXISTING UTILITIES ARE SHOWN FOR INFORMATION ONLY. THE CONTRACTOR SHALL CONTACT THE LOCAL UTILITY MARK-OUT SERVICE PROVIDER AND VERIFY AREA OF ALL UTILITIES (AS NECESSARY) PRIOR TO COMMENCING WORK.
- IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO LOCATE AND PROTECT ANY EXISTING ABOVEGROUND AND UNDERGROUND UTILITIES, CONDUITS, STRUCTURES, EQUIPMENT, FOUNDATIONS, PIPE, ETC. AS NECESSARY TO COMPLETE THE PROJECT. THE CONTRACTOR SHALL NOTIFY THE OWNER'S OF THE UTILITY 72 HOURS PRIOR TO STARTING WORK AND SHALL BEAR ALL COSTS ASSOCIATED WITH SAME. VARIOUS UTILITIES MAY NEED TO BE RESET BY THE AFFECTED UTILITY COMPANY. THE CONTRACTOR SHALL COORDINATE HIS WORK WITH THAT OF THE UTILITY COMPANY TO AVOID DELAYS. NO EXTENSION OF TIME WILL BE PROVIDED DUE TO THE LACK OF COORDINATION BY THE CONTRACTOR. THE CONTRACTOR SHALL PERFORM TEST PITS WHERE EXISTING UTILITIES ARE TO BE CROSSED. TEST PIT INFORMATION SHALL BE GIVEN TO THE TOWN ENGINEER PRIOR TO CONSTRUCTION TO PERMIT ADJUSTMENTS AS MAY BE REQUIRED TO AVOID CONFLICTS.
- THE CONTRACTOR SHALL BE RESPONSIBLE TO CONSTRUCT ALL IMPROVEMENTS WITHIN SCDOT AND TOWN R.O.W.'S AND EASEMENTS. ALL SURVEY LAYOUT VERIFYING THE EXACT LOCATION OF THE R.O.W.'S SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR. ALL COSTS FOR SAME SHALL BE INCLUDED WITHIN THE VARIOUS BID ITEMS.
- THE CONTRACTOR SHALL TAKE CARE IN MAINTAINING ALL LANDSCAPING AND YARD STRUCTURES WITHIN THE CONSTRUCTION LIMITS AS NECESSARY PER PROJECT. WHEN RELOCATION IS NECESSARY OR WHERE ANY DAMAGE IS DONE TO SAID ITEMS THEY SHALL BE RESTORED BY THE CONTRACTOR, AT HIS EXPENSE, TO THE SATISFACTION OF THE TOWN ENGINEER.
- ANY CONCRETE DRIVEWAY, WALKWAY, OR CURB WHICH IS NOT SHOWN, DIRECTED, OR MARKED OUT BY THE ENGINEER TO BE REPLACED, BUT IS REMOVED, MISALIGNED OR DAMAGED AS A RESULT OF THE CONTRACTOR'S CONSTRUCTION SHALL BE REPLACED BY THE CONTRACTOR PER DETAILS IN THE CONSTRUCTION DRAWINGS OR (IF NOT INDICATED IN THE CONSTRUCTION DRAWINGS) SCDOT STANDARDS AT NO ADDITIONAL COSTS TO THE OWNER.
- THE CONTRACTOR SHALL ENSURE THAT POSITIVE DRAINAGE AWAY FROM RESIDENCES AND ALONG ROAD GUTTERS IS MAINTAINED AT ALL LOCATIONS DISTURBED WITH IN THE PROJECT LIMITS.
- IF IT SHALL BECOME ABSOLUTELY NECESSARY TO PERFORM WORK AT NIGHT, THE TOWN SHALL BE INFORMED IN ADVANCE. GOOD LIGHTING AND ALL OTHER NECESSARY FACILITIES FOR PROPERLY CARRYING OUT AND INSPECTING THE WORK SHALL BE PROVIDED BY THE CONTRACTOR. THE CONTRACTOR SHALL ALSO COMPLY WITH ALL STATE AND LOCAL REGULATIONS GOVERNING HOURS DURING WHICH CONSTRUCTION EQUIPMENT MAY BE OPERATED. NIGHT WORK MAINTENANCE OF TRAFFIC INCLUDING PEDESTRIAN MUST BE SET UP AND MAINTAINED DURING NIGHT WORK AND IS THE RESPONSIBILITY OF THE CONTRACTOR.
- OPEN TRENCHES SHALL BE KEPT TO A MINIMUM. NO EXCAVATION AREAS ARE TO REMAIN OPEN OVERNIGHT. BITUMINOUS STABILIZED BASE COURSE SHALL BE PLACED IN ALL TRENCH AREAS WITHIN THE ROADWAY AT THE END OF EACH DAYS WORK.
- IN THE EVENT A SITUATION ARISES IN WHICH MATERIALS NOT SPECIFIED ON THE PLANS ARE TO BE USED FOR EXTRA WORK, THEN THE MATERIALS SHALL CONFORM TO THE TOWN OF RIDGELAND STANDARD SPECIFICATIONS FOR WATER AND SEWER SYSTEMS AND SCDOT SPECIFICATIONS FOR ROADWAY AND DRAINAGE SYSTEMS.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE DISPOSAL OF ALL MATERIALS EXCAVATED OF WHATEVER NATURE AT HIS OWN EXPENSE. THE OWNER IS NOT OBLIGATED TO SUPPLY A DISPOSAL SITE. THE CONTRACTOR CANNOT DEPOSIT ANY OF THE EXCESS MATERIALS WITHIN TOWN LIMITS WITHOUT THE EXPRESS PERMISSION OF THE TOWN. MATERIALS MUST BE DISPOSED OF IN ACCORDANCE WITH ALL STATE REGULATIONS REGARDING SAME.
- ALL STRUCTURES SHALL BE INSTALLED IN ACCORDANCE WITH MANUFACTURER'S SPECIFICATIONS AND DETAILS.
- PROTECTION OF EXISTING TREES WITHIN THE LIMITS OF DISTURBANCE SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR. THE TOWN ENGINEER SHALL DETERMINE IN THE FIELD OR ON THE CONSTRUCTION PLANS WHICH TREES REQUIRE TREE PROTECTION PER PROJECT AS NECESSARY. NO CONSTRUCTION EQUIPMENT OR SUPPLIES SHALL BE STOCKPILED OR STORED WITHIN THE DRIP LINE OF ANY EXISTING TREE TO REMAIN.
- ALL PROPERTY CORNERS OR MONUMENTS REMOVED OR DAMAGED DURING CONSTRUCTION SHALL BE REPLACED BY A SOUTH CAROLINA LICENSED LAND SURVEYOR, AT NO ADDITIONAL COST TO THE OWNER.
- THE CONTRACTOR SHALL TAKE ALL NECESSARY MEASURES TO MAINTAIN DUST CONTROL AS REQUIRED OR DIRECTED BY THE TOWN ENGINEER. ALL VEHICLES SHALL BE CLEAN AND ALL ROADWAYS SHALL BE MAINTAINED AS DIRECTED BY THE TOWN ENGINEER.
- ALL PAVEMENT MARKINGS AND SIGNS SHALL CONFORM TO THE SCDOT STANDARDS. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO LOCATE ALL EXISTING PAVEMENT MARKINGS. CONTRACTOR SHALL NOTIFY TOWN ENGINEER AND SCDOT (AS NECESSARY) WHEN TRAFFIC STRIPES AND PAVEMENT MARKINGS HAVE BEEN LAID OUT PRIOR TO PAINTING. THE TOWN ENGINEER AND/OR SCDOT (AS NECESSARY) WILL INSPECT AND APPROVE LAYOUT PRIOR TO CONTRACTOR PAINTING TRAFFIC STRIPES AND PAVEMENT MARKINGS.
- THE CONTRACTOR SHALL PERFORM ONLY THE AMOUNT OF WORK WHICH CAN BE COMPLETED THE SAME DAY. THE ENTIRE ROADWAY SHALL BE OPENED TO TRAFFIC AFTER WORK HOURS UNLESS APPROVED BY TOWN AND SCDOT (IF SCDOT ROW). SCDOT TEMPORARY PAVEMENT OR APPROVED SURFACE SHALL BE PLACED IN CONSTRUCTION AREAS TO PROVIDE A SMOOTH, SAFE SURFACE FOR VEHICULAR TRAFFIC. THE COST FOR TEMPORARY PAVEMENT SHALL BE INCLUDED IN UNIT PRICE BID FOR VARIOUS CONSTRUCTION ITEMS.
- IN ADDITION TO ALL GRADING ACTIVITIES, THE CLEARING SITE ITEM SHALL INCLUDE THE REMOVAL OF EXISTING TREES, SHRUBS, CURBING, SIDEWALKS, FENCES, DRIVEWAYS, WALLS, PIPES, INLETS, RESIDENTIAL WALKWAYS, ASPHALT, RIP-RAP, AND OTHER FEATURES WHICH NEED TO BE REMOVED AND/OR RESET IN ORDER TO CONSTRUCT THE PROPOSED IMPROVEMENTS. LAWN SPRINKLER SYSTEMS IF APPLICABLE TO PROJECT SHALL BE REMOVED AND REPLACED WHERE NECESSARY BY THE CONTRACTOR TO THE SATISFACTION OF THE ENGINEER AND SHALL BE PAID UNDER THE CLEARING SITE ITEM.
- THE CONTRACTOR IS RESPONSIBLE FOR THE CONSTRUCTION STAKEOUT. OFFSET LINES WITH STAKES SHALL BE SET AT APPROPRIATE INTERVALS TO FACILITATE CONSTRUCTION.
- CUT SHEETS SHALL BE SUBMITTED FOR APPROVAL TO THE TOWN ENGINEER AND REQUIRE APPROVAL PRIOR TO CONSTRUCTION. THE CONTRACTOR SHALL ALLOW AT LEAST 7 BUSINESS DAYS FOR ENGINEER CUT SHEET REVIEW FOR EACH SUBMITTAL.
- ALL EXISTING STRUCTURES AND ALL UNDERGROUND STRUCTURES ARE TO BE REMOVED IN ACCORDANCE WITH STATE REGULATIONS.
- THE CONTRACTOR SHALL NOTIFY THE TOWN ENGINEER IMMEDIATELY IF ANY FIELD CONDITIONS ENCOUNTERED DIFFER FROM THOSE SHOWN HEREIN.
- THESE GENERAL NOTES SHALL APPLY FOR THE ENTIRE PROJECT.

**NOTES FOR MAINTENANCE AND PROTECTION OF TRAFFIC:**

- ALL DEVICES AND PROCEDURES FOR THE MAINTENANCE AND PROTECTION OF TRAFFIC SHALL BE IN ACCORDANCE WITH SCDOT. THE CONTRACTOR SHALL PLAN AND CARRY OUT HIS WORK TO PROVIDE FOR THE CONVENIENT AND SAFE PASSAGE OF ALL VEHICULAR AND PEDESTRIAN TRAFFIC ON ADJACENT STREETS.
- THE CONTRACTOR IS RESPONSIBLE FOR PROVIDING MAINTENANCE AND PROTECTION OF TRAFFIC THROUGH THE DURATION OF CONSTRUCTION. NO SEPARATE PAYMENTS WILL BE MADE FOR RELOCATING THE DEVICES AS REQUIRED, OR AS DIRECTED BY THE TOWN ENGINEER, DURING THE COURSE OF CONSTRUCTION.
- DURING CONSTRUCTION, ALL ROADS SHALL BE PROPERLY MAINTAINED TO ACCOMMODATE EMERGENCY VEHICLES AT ALL TIMES.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR COORDINATION WITH THE LOCAL AND STATE POLICE DEPARTMENTS FOR TRAFFIC OPERATIONS AND PARKING PROHIBITIONS DURING CONSTRUCTION.
- THE CONTRACTOR SHALL COORDINATE ANY TEMPORARY DETOURS NECESSARY WITH THE POLICE, TOWN ENGINEER AND/OR FIRE DEPARTMENTS PRIOR TO CONSTRUCTION. ALL EMERGENCY VEHICLES MUST HAVE ACCESS TO STREETS AT ALL TIMES, ALL RESIDENTS MUST HAVE ACCESS TO THEIR HOMES AT ALL TIMES, AND ALL BUSINESSES MUST HAVE ACCESS TO ALLOW CUSTOMERS TO BUSINESSES AT ALL TIMES THE BUSINESSES ARE IN OPERATION OR REQUIRES ACCESS. THE CONTRACTOR IS RESPONSIBLE FOR RESTORING THE ROADWAY TO A SAFE CONDITION AT THE END OF EACH DAY'S WORK PER SCDOT STANDARDS.
- ALL TRAFFIC CONTROL SIGNS AND STRIPING SHALL BE INSTALLED IN ACCORDANCE WITH SCDOT. EXACT LOCATION OF STREET SIGNS AND PAVEMENT MARKINGS SHALL BE DETERMINED BY SCDOT SPECIFICATIONS.
- CONTRACTOR TO COORDINATE AND RECEIVE APPROVAL WITH BUSINESSES REGARDING IMPACT TO ACCESS DURING CONSTRUCTION ACTIVITIES
- SPEED LIMIT OF TRAFFIC PROJECT:  
E WILSON STREET - 25 MPH



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**COVER AND NOTES**

RIDGELAND TRAILS CLEARING

TOWN OF RIDGELAND  
RIDGELAND, SOUTH CAROLINA

DESIGN	DRAWN	BRH	JOB #	ISSUE	DATE	ISSUE	BID
			17-007-040		JANUARY 2025		



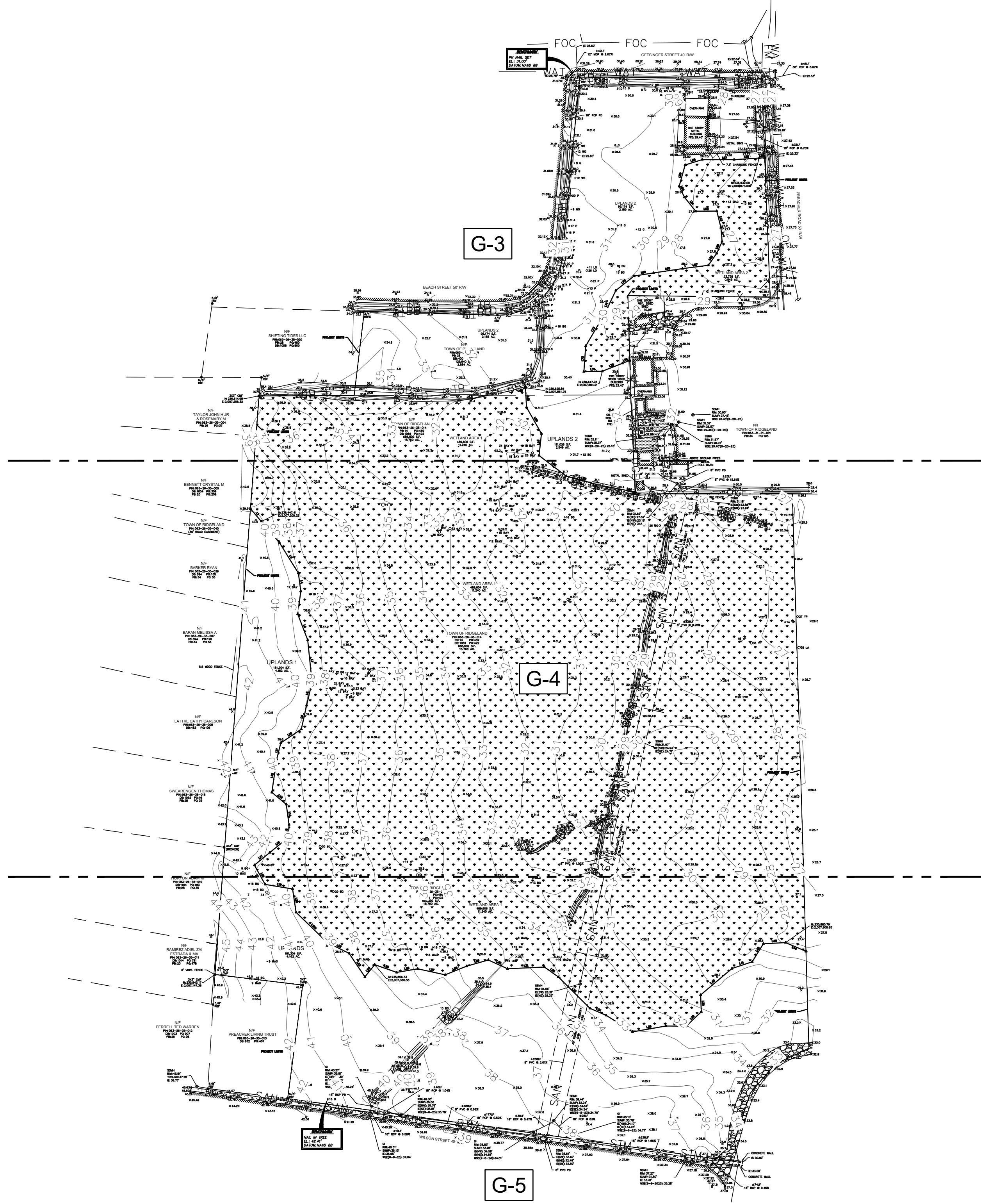
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324 6th AVE N. JACKSONVILLE BEACH, FLORIDA 32250  
844-414-2400 S.C. COA # 5166 WWW.FWENG.COM

DRAWING NUMBER  
**G-1**

LEGEND

- A CALC POINT - CORNER NOT SET
CMF CONC. MONUMENT FOUND
CMFD CONC. MONUMENT FOUND DISTURBED
OTP OPEN TOP PIPE
RBF IRON REBAR FOUND
Rbfd IRON REBAR FOUND DISTURBED
AIR CONDITIONING UNIT
BOLLARD
CONTROL PANEL
DRAINAGE INLET
FIBER OPTIC MANHOLE
GENERATOR
LIGHT POLE
POWER POLE
STORM DRAIN MANHOLE
SPOT ELEVATION
SANITARY SEWER CLEAN OUT
SANITARY SEWER MANHOLE
TRANSFORMER-ELECTRIC
WETLAND FLAG
WATER VALVE
WETLANDS
CNA COULD NOT ACCESS
FFE FINISHED FLOOR ELEVATION
IE INVERT ELEVATION
MCP METAL CORRUGATED PIPE
PD PIPE DIRECTION
PVC POLYVINYL CHLORIDE PIPE
RCP REINFORCED CONCRETE PIPE
WSE WATER SURFACE ELEVATION
BAY
BG BLACK GUM
G SWEET GUM
LA LAUREL OAK
LO LIVE OAK
MAG MAGNOLA
RO RED OAK
SYC SYCAMORE
WO WATER OAK
YP YELLOW POPLAR
BOTTOM OF BANK
CONTOUR LINE
CENTERLINE OF DITCH
FENCE LINE
FORCEMAIN
OCRM CRITICAL LINE
OVERHEAD POWER LINE
TOP OF BANK
UNDERGROUND DRAINAGE LINE
UNDERGROUND ELECTRIC LINE
UNDERGROUND FIBER OPTICS LINE
UNDERGROUND SEWER LINE
UNDERGROUND WATER LINE
CONCRETE
EDGE OF PAVEMENT
GRAVEL
DIRT ROAD

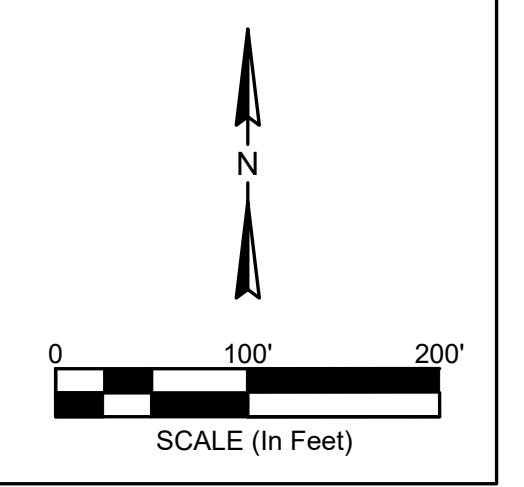


ACREAGE CHART (PROJECT LIMITS)

Table with 2 columns: AREA, ACREAGE. Rows include WETLANDS, UPLANDS, and TOTAL for various areas.

LINE TABLE

Table with 3 columns: LABEL, BEARING, DISTANCE. Lists 76 line segments with their respective bearings and distances.



NORTH
SC GRID (NAD 83)
(2011)

- NOTES
1. FULL LEGEND & LINE TABLE LOCATED ON COVER SHEET.
2. THESE PARCELS APPEAR TO LIE IN FLOOD ZONE X, COMMUNITY 450114, MAP NUMBER 4505200305D.
3. CONTOURS ARE IN ONE FOOT INTERVALS. TREE SIZES SHOWN ARE IN INCHES OF DIAMETER.
4. VERTICAL DATUM IS NAVD 88.
5. BUILDING SETBACKS ARE TO BE DETERMINED BY THE PROPER AUTHORITIES, AND MUST BE VERIFIED PRIOR TO DESIGN & CONSTRUCTION.
6. HORIZONTAL DATUM IS SOUTH CAROLINA STATE PLANE GRID (NAD 83).
7. BOUNDARY SURVEY NOT PERFORMED AT THE TIME OF FIELDWORK.
8. THE EXISTENCE AND LOCATION OF THE SURFACE AND SUB-SURFACE UTILITIES SHOWN HEREON ARE BASED UPON AVAILABLE RECORDS AND SURFACE VISIBLE FEATURES ALONG WITH ELECTRONIC AND ACoustICAL EVIDENCE AS OF 9-25-2023. THE EXTENT AND LIABILITY OF THIS INFORMATION IS LIMITED TO THE STANDARDS OF CARE FOR A SPECIFIC UTILITY INVESTIGATION AS DEFINED BY THE AMERICAN SOCIETY OF CIVIL ENGINEERS (ASCE) PUBLICATION 38-02. THE EXACT LOCATION AND DEPTH OF UNDERGROUND UTILITIES CANNOT BE DETERMINED WITHOUT EXPOSING THEM IN SOME WAY. PRIOR TO CONSTRUCTION OR EXCAVATION, IT IS REQUIRED BY LAW TO CONTACT THE STATE 811 UTILITY PROTECTION CENTER.
9. THIS PLAT OR MAP IS FOR THE EXCLUSIVE USE OF THE TOWN OF RIDGELAND. PROPERTY LINES SHOWN ON THIS PLAT WERE DETERMINED BY LIMITED FIELD SURVEYS, RECORDED PLATS AND TAX MAPS AND ARE INTENDED TO SHOW GENERAL BOUNDARY LOCATIONS AND SHOULD NOT BE USED FOR ANY OTHER PURPOSE. NO GUARANTEES ARE EXPRESSED OR IMPLIED.

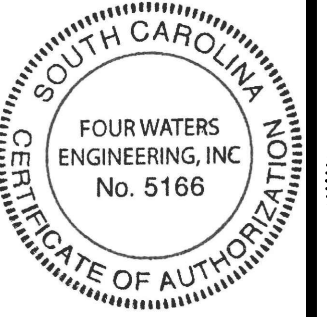
PREPARED FOR:
THE TOWN OF RIDGELAND
AN AS-BUILT/TREE AND TOPOGRAPHIC SURVEY OF
PARCEL A &
A PORTION OF
PIN: 063-26-35-014

TAX PARCEL Nos. 063-26-35-019
& 063-26-35-014
RIDGELAND
JASPER COUNTY, SOUTH CAROLINA

FIELD WORK: GLS
FIELD CHECK: DTJ
DRAWN BY: JWR
FIELD DATE: 09-25-2023
PLAT DATE: 10-09-2023
SCALE: 1"=100'
PROJECT No.: BFT-23200
FILE: BFT-23200 AT1 DWG.DWG

COVER SHEET

ATLAS SURVEYING, INC.
168 BOARDWALK DRIVE, SUITE A.
RIDGELAND, SC 29936.
PHONE: (843) 645-9277
WEBSITE: WWW.ATLASSURVEYING.COM



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Table with columns: REV, NO, DATE, DRAWN/CHKD BY, DESCRIPTION. Contains revision history.

EXISTING CONDITIONS - KEY MAP
RIDGELAND TRAILS CLEARING
TOWN OF RIDGELAND
RIDGELAND, SOUTH CAROLINA

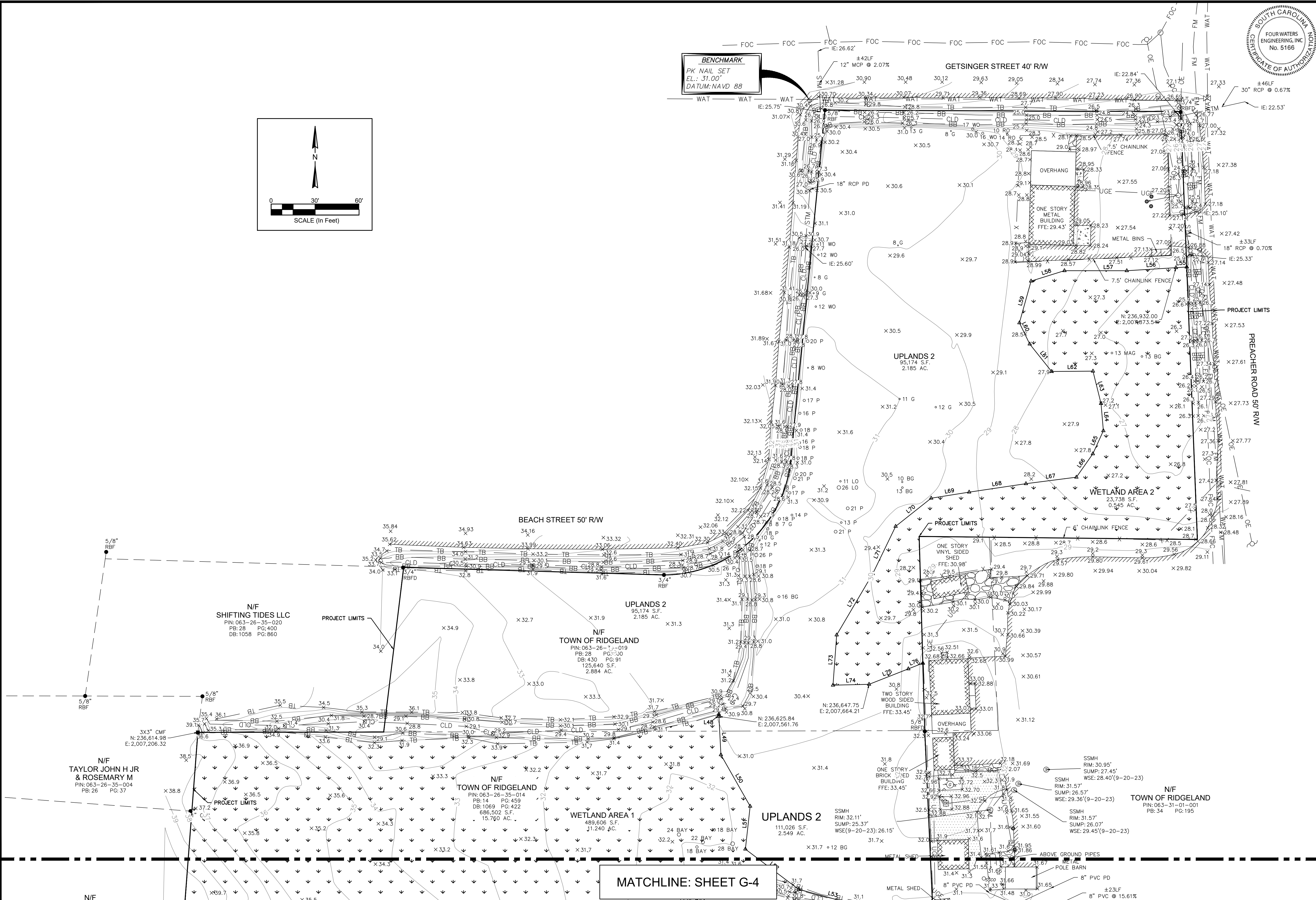
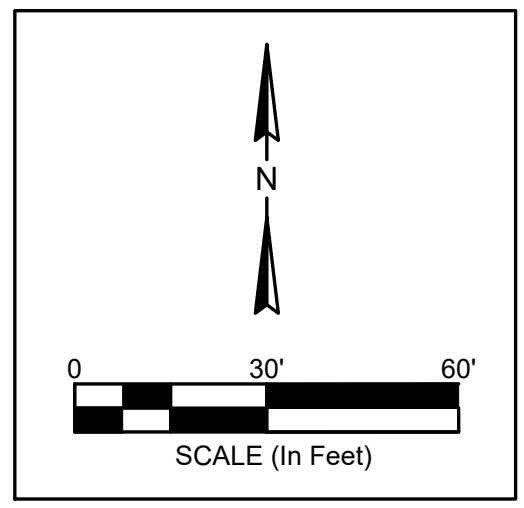
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DRAWING NUMBER G-2



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**BENCHMARK**  
PK NAIL SET  
EL.: 31.00'  
DATUM: NAVD 88

MATCHLINE: SHEET G-4

REV	NO	DATE	DESCRIPTION
1	1		
2	2		
3	3		
4	4		
5	5		
6	6		
7	7		

DESIGN	MK	JOB #	ISSUE DATE	ISSUE
BRH		17-007-040	JANUARY 2025	BID

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844-414-2400 S.C. COA # 5166 WWW.FWENG.COM

**TOWN OF RIDGELAND**  
RIDGELAND, SOUTH CAROLINA

**EXISTING CONDITIONS**

DRIVING: TRAILS CLEARING

DRAWN: BRH  
DATE: 17-007-040  
ISSUE: JANUARY 2025  
ISSUE: BID

DRAWING NUMBER: **G-3**



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DESIGN MK	BRH	DATE	ISSUE	BID
		JANUARY 2025		

**EXISTING CONDITIONS**

RIDGELAND TRAILS CLEARING

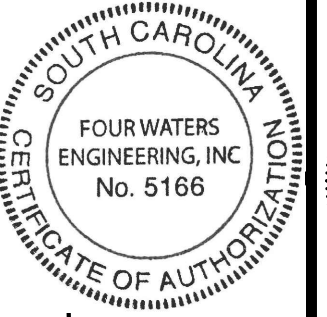
TOWN OF RIDGELAND  
RIDGELAND, SOUTH CAROLINA

**FOUR WATERS ENGINEERING**

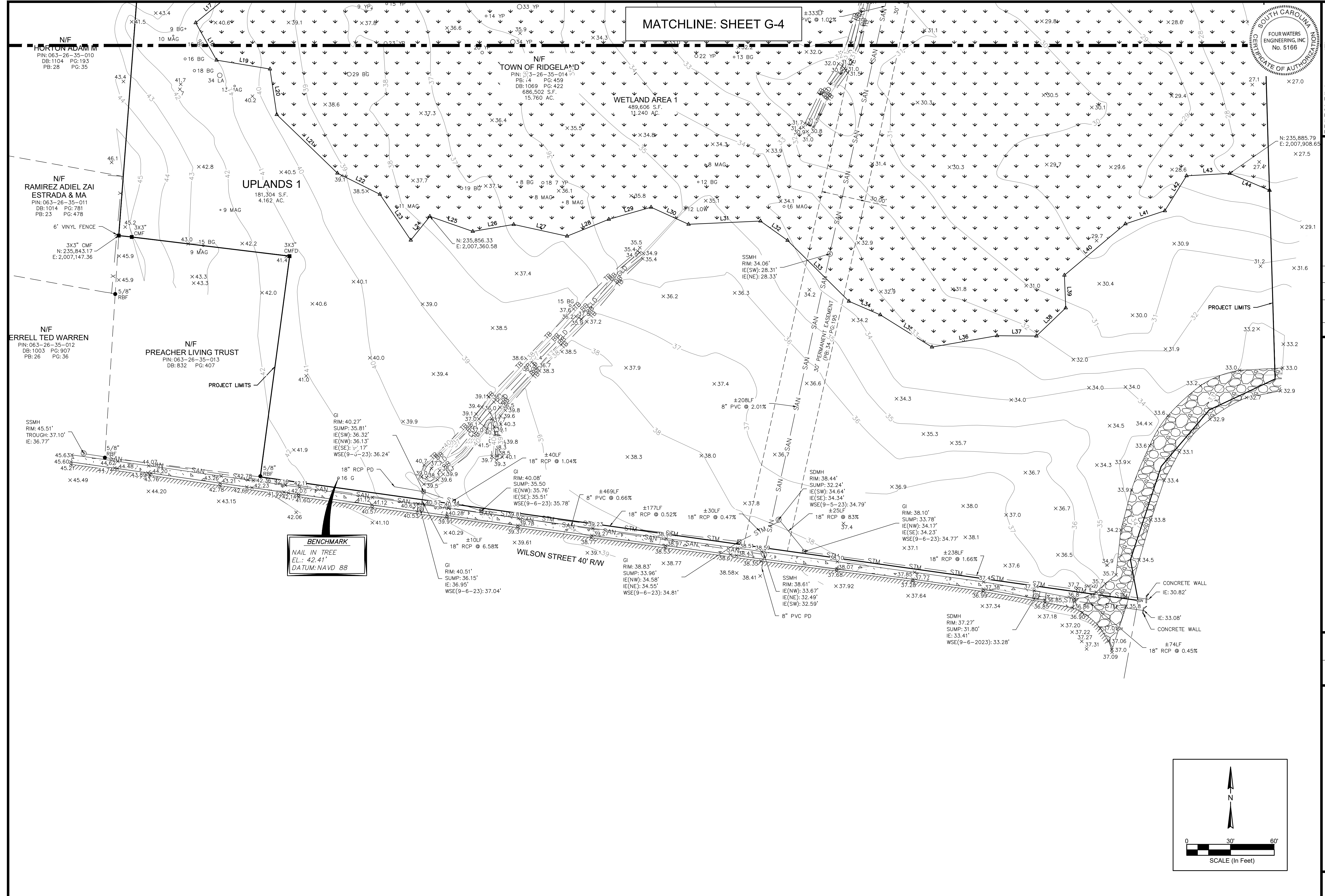
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DRAWING NUMBER  
**G-4**

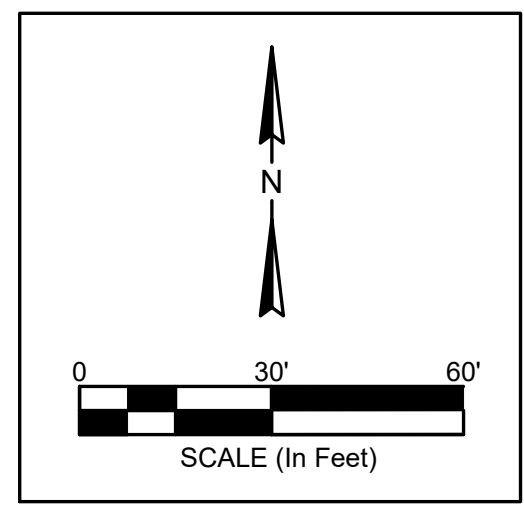
MATCHLINE: SHEET G-4



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**BENCHMARK**  
NAIL IN TREE  
EL.: 42.41'  
DATUM: NAVD 88



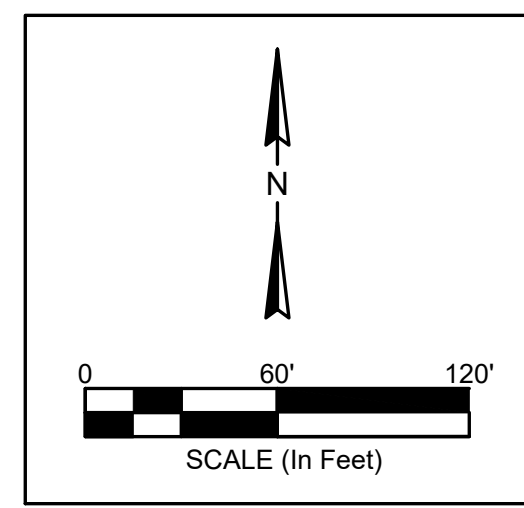
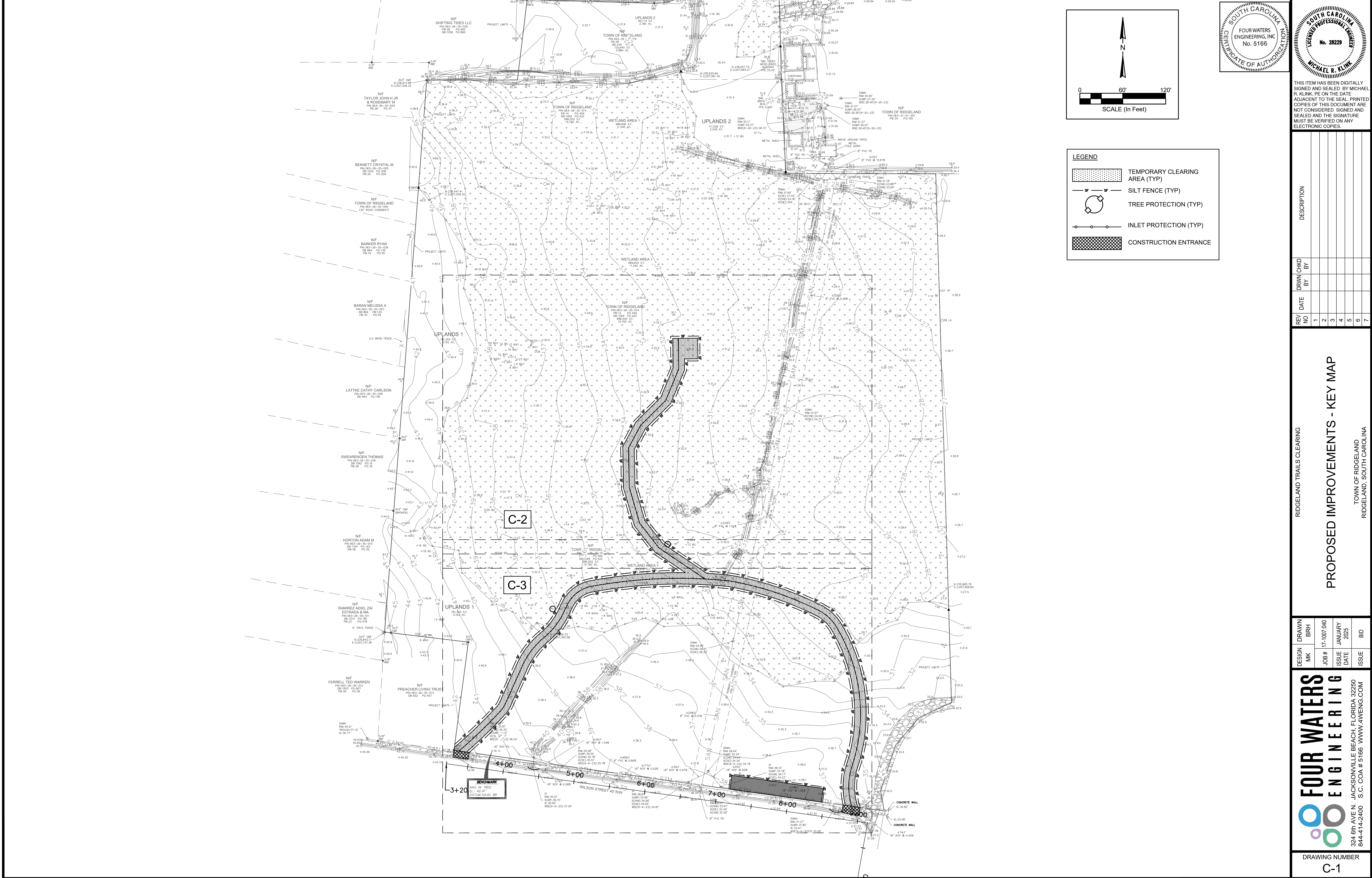
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EXISTING CONDITIONS  
RIDGELAND TRAILS CLEARING  
TOWN OF RIDGELAND  
RIDGELAND, SOUTH CAROLINA

DESIGN	MK	JOB #	ISSUE DATE	ISSUE
BRH		17-007-040	JANUARY 2025	BID

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844-414-2400 WWW.FWENG.COM

DRAWING NUMBER  
**G-5**



**LEGEND**

- TEMPORARY CLEARING AREA (TYP)
- SILT FENCE (TYP)
- TREE PROTECTION (TYP)
- INLET PROTECTION (TYP)
- CONSTRUCTION ENTRANCE



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**PROPOSED IMPROVEMENTS - KEY MAP**

RIDGELAND TRAILS CLEARING

TOWN OF RIDGELAND  
RIDGELAND, SOUTH CAROLINA

DESIGN	DRAWN	DATE	ISSUE	ISSUE
MJK	BRH	17-007-040	JANUARY 2025	BID

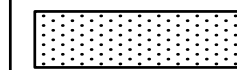
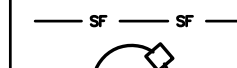

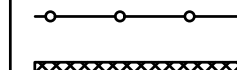

**FOUR WATERS ENGINEERING**

324 6th AVENUE, JACKSONVILLE BEACH, FLORIDA 32250  
844-414-2400 WWW.FWENG.COM

DRAWING NUMBER  
**C-1**

TOWN ARBORIST MUST REVIEW TREES TO BE REMOVED AFTER THEY HAVE BEEN FLAGGED

**LEGEND**

-  TEMPORARY CLEARING AREA (TYP)
-  SILT FENCE (TYP)
-  TREE PROTECTION (TYP)
-  INLET PROTECTION (TYP)
-  CONSTRUCTION ENTRANCE

**GENERAL NOTES:**

1. CONTRACTOR WILL ASSURE THAT ALL VEGETATIVE DEBRIS REMOVAL WILL COMPLY WITH APPLICABLE TOWN, STATE AND FEDERAL REGULATIONS AND PROCEDURES COVERING THE SERVICES OF TREE REMOVAL AND STUMP GRINDING.
2. OPERATING HOURS-WORK SHALL BE PERFORMED BETWEEN 7:00 AM - TO 5:00 PM. NO WORK SHALL BE PERFORMED ON SUNDAYS.
3. CONTRACTOR MUST ENSURE SAFETY OF THEIR WORKERS BY ADHERING TO INDUSTRY BEST PRACTICES, OSHA SAFETY, TRAFFIC SAFETY GUIDELINES AS APPLICABLE FOR WORK BEING PERFORMED. THE TOWN MANAGER RESERVES THE RIGHT TO TEMPORARILY STOP WORK IF HE OBSERVES AN UNSAFE PRACTICE AND TO SUSPEND WORK UNTIL THE ISSUE IS ADDRESSED.
4. ALL TREES MUST BE CUT DOWN PRIOR TO APRIL 1ST IN COMPLIANCE WITH USACE NATIONWIDE PERMIT NO. SAC-2024-00789 FOR THE PROTECTION OF NORTHERN LONG EARED BATS.

**CLEARING NOTES:**

1. CONTRACTOR TO HAVE SURVEYOR STAKE CLEARING LIMITS.
2. PRIOR TO INITIATION OF CLEARING ACTIVITIES, THE CONTRACTOR SHALL FLAG ALL TREES WITHIN THE CLEARING LIMITS FOR REMOVAL.
3. AFTER ALL TREES WITHIN THE CLEARING LIMITS HAVE BEEN FLAGGED, THE CONTRACTOR SHALL COORDINATE WITH THE OWNER TO HAVE THE OWNER'S ARBORIST VISIT THE SITE AND REVIEW THE TREES PRIOR TO REMOVAL.
4. THE SURFACE OF THE GROUND WITHIN THE CLEARING LIMITS SHALL BE COMPLETELY CLEARED OF ALL TIMBER, TREES, BRUSH, SHRUBS, RUBBISH AND ANY OTHER OBJECTIONABLE MATERIAL RESTING ON OR PROTRUDING THROUGH THE SURFACE OF THE GROUND.
5. CLEARING SHALL NOT INCLUDE THE REMOVAL OF ANY STUMPS OR WORK THAT WOULD RESULT IN GROUND DISTURBANCE.
6. PRESERVE AND PROTECT TREES AND OTHER VEGETATION OUTSIDE OF CLEARING LIMITS ON THE DRAWINGS OR AS DIRECTED BY THE ENGINEER OR OWNER TO REMAIN.
7. CLEARING OPERATIONS SHALL BE CONDUCTED SO AS TO PREVENT DAMAGE TO EXISTING FENCING, STRUCTURES, AND UTILITIES.
8. DISPOSE OF MATERIAL AND DEBRIS FROM SITE PREPARATION OPERATIONS BY HAULING SUCH MATERIALS AND DEBRIS TO AN APPROVED OFFSITE DISPOSAL AREA AT THE EXPENSE OF THE CONTRACTOR. NO RUBBISH OR DEBRIS OF ANY KIND SHALL BE BURIED ON THE SITE.
9. FINAL SURVEY AND AS-BUILT DRAWINGS SHALL BE CONDUCTED PER SECTION 01781 OF THE PROJECT SPECIFICATIONS.

N/F  
TOWN OF RIDGELAND  
PIN: 063-26-35-014  
PB: 14 PG: 459  
DB: 1069 PG: 422  
686,502 S.F.  
15,760 AC.

CENTER LINE(TYP)

TEMPORARY CLEARING AREA (TYP)

SILT FENCE (TYP)

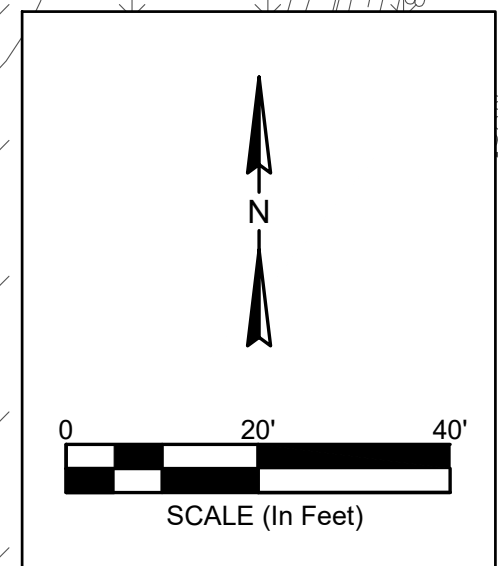
1' MIN SEPARATION (TYP)

TREE PROTECTION (TYP)

MATCHLINE: SHEET C-3

N/F  
TOWN OF RIDGELAND  
PIN: 063-26-35-014  
PB: 14 PG: 459  
DB: 1069 PG: 422  
686,502 S.F.  
15,760 AC.

WETLAND AREA 1



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**CENTER LINE - LINE TABLE**

Line #	Length	Direction
L1	62.30	N24° 13' 22.40"E
L2	9.62	N26° 04' 32.75"E
L3	77.79	N55° 57' 14.73"W
L4	43.68	N37° 57' 57.19"W
L5	52.35	N16° 07' 06.59"W
L6	54.92	N1° 02' 37.31"W
L7	35.60	N28° 03' 33.63"E
L8	49.67	N45° 10' 36.12"E
L9	47.75	N22° 26' 31.41"E
L10	42.68	N0° 37' 33.22"W

**CENTER LINE - CURVE TABLE**

Curve #	Length	Radius	Delta	Chord Direction	Chord Length
C1	80.97	699.00	6.64	N46° 04' 55"E	80.93
C2	11.64	38.03	17.54	N33° 29' 35"E	11.60
C3	45.72	112.99	23.19	N38° 12' 35"E	45.41
C4	48.20	101.08	27.32	N37° 31' 46"E	47.75
C5	43.49	47.00	53.02	N52° 40' 45"E	41.96
C6	192.99	680.00	16.26	N87° 40' 42"E	192.34
C7	134.78	446.51	17.30	S71° 37' 35"E	134.27
C8	36.46	61.39	34.02	S44° 22' 05"E	35.92
C9	201.36	234.73	49.15	S5° 28' 47"E	195.24
C10	53.62	97.45	31.53	S0° 30' 13"E	52.95

REV	NO	DATE	DESCRIPTION
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7			

DESIGN	BRH	MK	JOB #	ISSUE DATE	ISSUE	BID
			17-1007-040	JANUARY 2025		

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324 6th AVE. N. JACKSONVILLE BEACH, FLORIDA 32250  
844-414-2400 S.C. COA # 5166 WWW.FWENG.COM

DRAWING NUMBER  
**C-2**

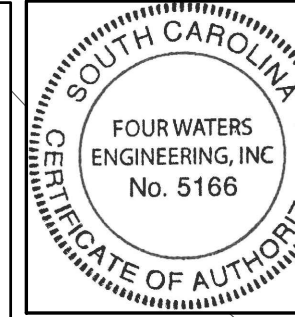


MATCHLINE: SHEET C-2

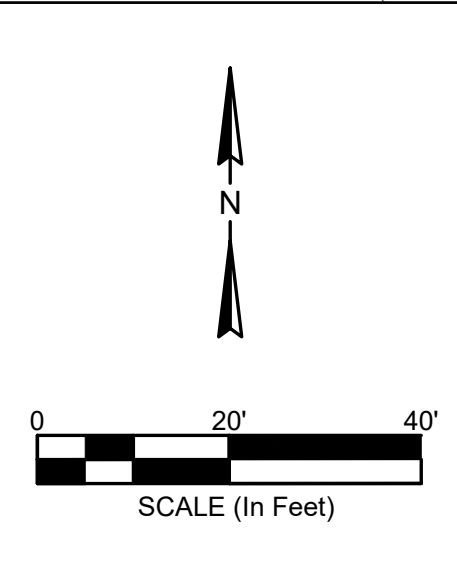
TOWN OF RIDGELAND

PIN: 09 3-26-35-014  
PB: 74 PG: 459  
DB: 1069 PG: 422  
686,502 S.F.  
15.760 AC.

WETLAND AREA 1  
489,606 S.F.  
1.1240 AC.



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TOWN ARBORIST MUST REVIEW TREES TO BE REMOVED AFTER THEY HAVE BEEN FLAGGED

**LEGEND**

- TEMPORARY CLEARING AREA (TYP)
- SILT FENCE (TYP)
- TREE PROTECTION (TYP)
- INLET PROTECTION (TYP)
- CONSTRUCTION ENTRANCE

181,304 S.F.  
4.162 AC.

**CENTER LINE - LINE TABLE**

Line #	Length	Direction
L1	62.30	N24° 13' 22.40"E
L2	9.62	N26° 04' 32.75"E
L3	77.79	N55° 57' 14.73"W
L4	43.68	N37° 57' 57.19"W
L5	52.35	N16° 07' 06.59"W
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- FINAL SURVEY AND AS-BUILT DRAWINGS SHALL BE CONDUCTED PER SECTION 01781 OF THE PROJECT SPECIFICATIONS.

STA: 3+27.79  
OFF: 20.00L  
STA: 3+34.82  
OFF: 20.00L  
STA: 3+45.43  
OFF: 20.00L

**BENCHMARK**  
NAIL IN TREE  
EL.: 42.41'  
DATUM: NAVD 88

N: 235659.0908  
E: 2007233.8499

GI RIM: 40.08'  
SUMP: 35.50  
IE(NW): 35.76'  
IE(SE): 35.51'  
WSE(9-6-23): 35.78'

±469LF  
8" PVC @ 0.66%

±177LF  
18" RCP @ 0.52%

±30LF  
18" RCP @ 0.47%

±10LF  
18" RCP @ 6.58%

SDMH RIM: 38.44'  
SUMP: 32.24'  
IE(SW): 34.64'  
IE(SE): 34.34'  
WSE(9-5-23): 34.79'

±25LF  
18" RCP @ 83%

GI RIM: 38.10'  
SUMP: 33.78'  
IE(NW): 34.17'  
IE(SE): 34.23'

STA: 7+17.49  
OFF: 19.86L

RIM: 38.61'  
IE(NW): 33.67'  
IE(NE): 32.49'  
IE(SW): 32.59'

8" PVC PD

SDMH RIM: 37.27'  
SUMP: 31.80'  
IE: 33.41'  
WSE(9-6-2023): 33.28'

REV	NO	DATE	DESCRIPTION
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**PROPOSED IMPROVEMENTS**

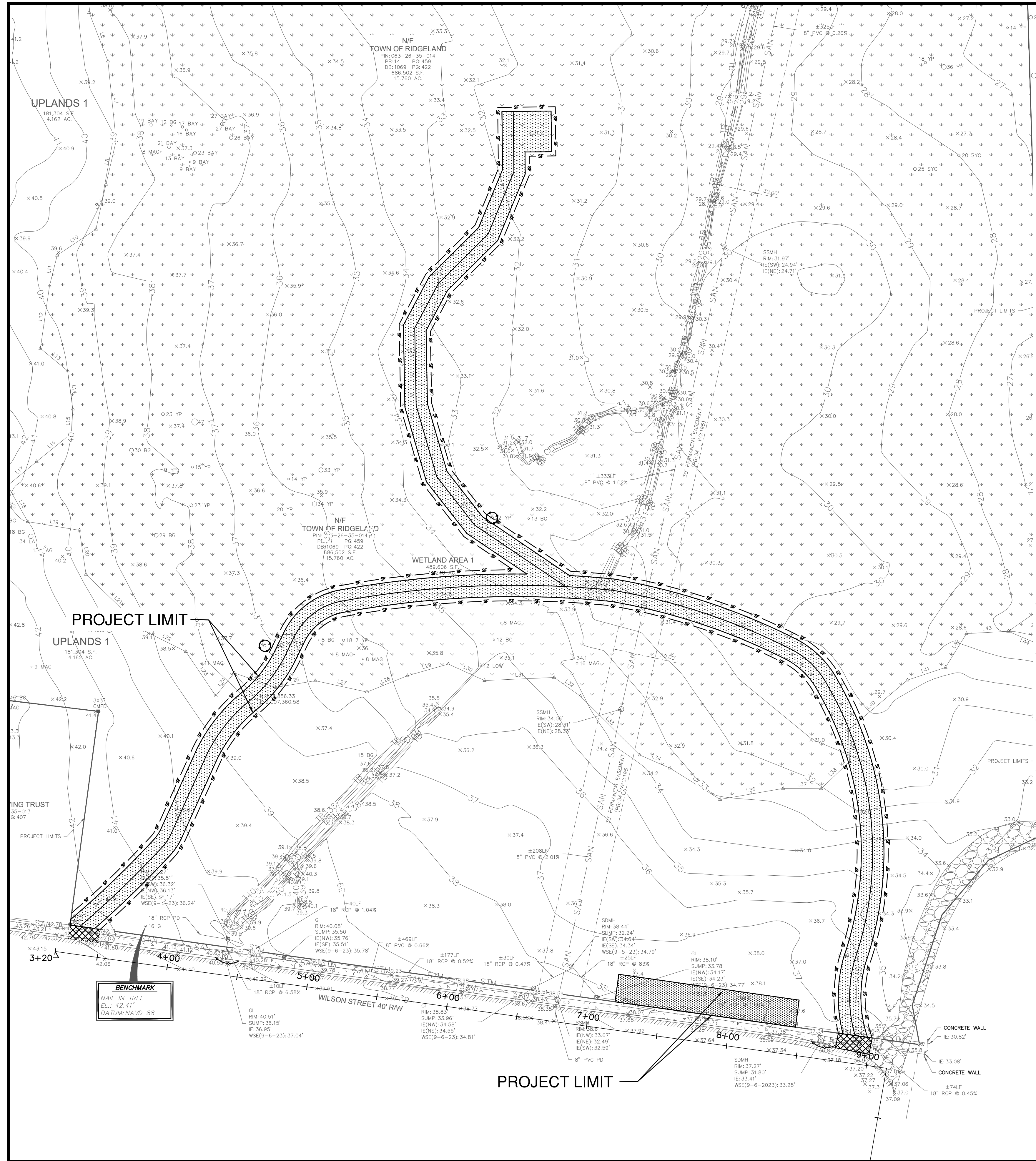
RIDGELAND TRAILS CLEARING

DESIGN	BRH	DATE	ISSUE
MK		17-007-040	JANUARY 2025
JOB #			
ISSUE			
DATE			
ISSUE			
BID			

**FOUR WATERS ENGINEERING**

324 6th AVE. N. JACKSONVILLE BEACH, FLORIDA 32250  
844-414-2400 S.C. COA # 5166 WWW.FWENG.COM

DRAWING NUMBER  
**C-3**



## PROJECT LIMIT AND LAND DISTURBANCE LIMITS

### SCDES SEDIMENT AND EROSION CONTROL STANDARD NOTES

- IF NECESSARY, SLOPES, WHICH EXCEED EIGHT (8) VERTICAL FEET SHOULD BE STABILIZED WITH SYNTHETIC OR VEGETATIVE MATS, IN ADDITION TO HYDROSEEDING. IT MAY BE NECESSARY TO INSTALL TEMPORARY SLOPE DRAINS DURING CONSTRUCTION. TEMPORARY BERMS MAY BE NEEDED UNTIL THE SLOPE IS BROUGHT TO GRADE.
- STABILIZATION MEASURES SHALL BE INITIATED AS SOON AS PRACTICABLE IN PORTIONS OF THE SITE WHERE CONSTRUCTION ACTIVITIES HAVE TEMPORARILY OR PERMANENTLY CEASED, BUT IN NO CASE MORE THAN FOURTEEN (14) DAYS AFTER WORK HAS CEASED, EXCEPT AS STATED BELOW.
  - WHERE STABILIZATION BY THE 14TH DAY IS PRECLUDED BY SNOW COVER OR FROZEN GROUND CONDITIONS STABILIZATION MEASURES MUST BE INITIATED AS SOON AS PRACTICABLE.
  - WHERE CONSTRUCTION ACTIVITY ON A PORTION OF THE SITE IS TEMPORARILY CEASED, AND EARTH-DISTURBING ACTIVITIES WILL BE RESUMED WITHIN 14 DAYS, TEMPORARY STABILIZATION MEASURES DO NOT HAVE TO BE INITIATED ON THAT PORTION OF THE SITE.
- ALL SEDIMENT AND EROSION CONTROL DEVICES SHALL BE INSPECTED ONCE EVERY CALENDAR WEEK. IF PERIODIC INSPECTION OR OTHER INFORMATION INDICATES THAT A BMP HAS BEEN INAPPROPRIATELY, OR INCORRECTLY, THE PERMITTEE MUST ADDRESS THE NECESSARY REPLACEMENT OR MODIFICATION REQUIRED TO CORRECT THE BMP WITHIN 48 HOURS OF IDENTIFICATION.
- PROVIDE SILT FENCE AND/OR OTHER CONTROL DEVICES, AS MAY BE REQUIRED, TO CONTROL SOIL EROSION DURING UTILITY CONSTRUCTION. ALL DISTURBED AREAS SHALL BE CLEANED, GRADED, AND STABILIZED WITH GRASSING IMMEDIATELY AFTER THE UTILITY INSTALLATION. FILL, COVER, AND TEMPORARY SEEDING AT THE END OF EACH DAY ARE RECOMMENDED. IF WATER IS ENCOUNTERED WHILE TRENCHING, THE WATER SHOULD BE FILTERED TO REMOVE SEDIMENT BEFORE BEING PUMPED BACK INTO ANY WATERS OF THE STATE.
- ALL EROSION CONTROL DEVICES SHALL BE PROPERLY MAINTAINED DURING ALL PHASES OF CONSTRUCTION UNTIL THE COMPLETION OF ALL CONSTRUCTION ACTIVITIES AND ALL DISTURBED AREAS HAVE BEEN STABILIZED. ADDITIONAL CONTROL DEVICES MAY BE REQUIRED DURING CONSTRUCTION IN ORDER TO CONTROL EROSION AND/OR OFFSITE SEDIMENTATION. ALL TEMPORARY CONTROL DEVICES SHALL BE REMOVED ONCE CONSTRUCTION IS COMPLETE AND THE SITE IS STABILIZED.
- THE CONTRACTOR MUST TAKE NECESSARY ACTION TO MINIMIZE THE TRACKING OF MUD ONTO PAVED ROADWAY(S) FROM CONSTRUCTION AREAS AND THE GENERATION OF DUST. THE CONTRACTOR SHALL DAILY REMOVE MUD/SOIL FROM PAVEMENT, AS MAY BE REQUIRED.
- RESIDENTIAL SUBDIVISIONS REQUIRE EROSION CONTROL FEATURES FOR INFRASTRUCTURE AS WELL AS FOR INDIVIDUAL LOT CONSTRUCTION. INDIVIDUAL PROPERTY OWNERS SHALL FOLLOW THESE PLANS DURING CONSTRUCTION OR OBTAIN APPROVAL OF AN INDIVIDUAL PLAN IN ACCORDANCE WITH S.C. REG. 72-300 ET SEQ. AND SCR100000.
- TEMPORARY DIVERSION BERMS AND/OR DITCHES WILL BE PROVIDED AS NEEDED DURING CONSTRUCTION TO PROTECT WORK AREAS FROM UPSLOPE RUNOFF AND/OR TO DIVERT SEDIMENT-LADEN WATER TO APPROPRIATE TRAPS OR STABLE OUTLETS.
- ALL WATERS OF THE STATE (WOS), INCLUDING WETLANDS, ARE TO BE FLAGGED OR OTHERWISE CLEARLY MARKED IN THE FIELD. A DOUBLE ROW OF

- SILT FENCE IS TO BE INSTALLED IN ALL AREAS WHERE A 50-FOOT BUFFER CAN'T BE MAINTAINED BETWEEN THE DISTURBED AREA AND ALL WOS. A 10-FOOT BUFFER SHOULD BE MAINTAINED BETWEEN THE LAST ROW OF SILT FENCE AND ALL WOS.
- LITTER, CONSTRUCTION DEBRIS, OILS, FUELS, AND BUILDING PRODUCTS WITH SIGNIFICANT POTENTIAL FOR IMPACT (SUCH AS STOCKPILES OF FRESHLY TREATED LUMBER) AND CONSTRUCTION CHEMICALS THAT COULD BE EXPOSED TO STORM WATER MUST BE PREVENTED FROM BECOMING A POLLUTANT SOURCE IN STORM WATER DISCHARGES.
  - A COPY OF THE SWPPP, INSPECTIONS RECORDS, AND RAINFALL DATA MUST BE RETAINED AT THE CONSTRUCTION SITE OR A NEARBY LOCATION EASILY ACCESSIBLE DURING NORMAL BUSINESS HOURS. FROM THE DATE OF COMMENCEMENT OF CONSTRUCTION ACTIVITIES TO THE DATE THAT FINAL STABILIZATION IS REACHED.
  - INITIATE STABILIZATION MEASURES ON ANY EXPOSED STEEP SLOPE (3H:1V OR GREATER) WHERE LAND-DISTURBING ACTIVITIES HAVE PERMANENTLY OR TEMPORARILY CEASED, AND WILL NOT RESUME FOR A PERIOD OF 7 CALENDAR DAYS.
  - MINIMIZE SOIL COMPACTION AND, UNLESS INFEASIBLE, PRESERVE TOPSOIL.
  - MINIMIZE THE DISCHARGE OF POLLUTANTS FROM EQUIPMENT AND VEHICLE WASHING, WHEEL WASH WATER, AND OTHER WASH WATERS. WASH WATERS MUST BE TREATED IN A SEDIMENT BASIN OR ALTERNATIVE CONTROL THAT PROVIDES EQUIVALENT OR BETTER TREATMENT PRIOR TO DISCHARGE.
  - MINIMIZE THE DISCHARGE OF POLLUTANTS FROM DEWATERING OF TRENCHES AND EXCAVATED AREAS. THESE DISCHARGES ARE TO BE ROUTED THROUGH APPROPRIATE BMPS (SEDIMENT BASIN, FILTER BAG, ETC.).
  - THE FOLLOWING DISCHARGES FROM SITES ARE PROHIBITED:
    - WASTEWATER FROM WASHOUT OF CONCRETE, UNLESS MANAGED BY AN APPROPRIATE CONTROL;
    - WASTEWATER FROM WASHOUT AND CLEANOUT OF STUCCO, PAINT, FORM RELEASE OILS, CURING COMPOUNDS AND OTHER CONSTRUCTION MATERIALS;
    - FUELS, OILS, OR OTHER POLLUTANTS USED IN VEHICLE AND EQUIPMENT OPERATION AND MAINTENANCE; AND
    - SOAPS OR SOLVENTS USED IN VEHICLE AND EQUIPMENT WASHING.
  - AFTER CONSTRUCTION ACTIVITIES BEGIN, INSPECTIONS MUST BE CONDUCTED AT A MINIMUM OF AT LEAST ONCE EVERY CALENDAR WEEK AND MUST BE CONDUCTED UNTIL FINAL STABILIZATION IS REACHED ON ALL AREAS OF THE CONSTRUCTION SITE.
  - IF EXISTING BMPS NEED TO BE MODIFIED OR IF ADDITIONAL BMPS ARE NECESSARY TO COMPLY WITH THE REQUIREMENTS OF THIS PERMIT AND/OR SC'S WATER QUALITY STANDARDS, IMPLEMENTATION MUST BE COMPLETED BEFORE THE NEXT STORM EVENT WHENEVER PRACTICABLE. IF IMPLEMENTATION BEFORE THE NEXT STORM EVENT IS IMPRACTICABLE, THE SITUATION MUST BE DOCUMENTED IN THE SWPPP AND ALTERNATIVE BMPS MUST BE IMPLEMENTED AS SOON AS REASONABLY POSSIBLE.
  - A PRE-CONSTRUCTION CONFERENCE MUST BE HELD FOR EACH CONSTRUCTION SITE WITH AN APPROVED ON-SITE SWPPP PRIOR TO THE IMPLEMENTATION OF CONSTRUCTION ACTIVITIES. FOR NON-LINEAR PROJECTS THAT DISTURB 10 ACRES OR MORE THIS CONFERENCE MUST BE HELD ON-SITE UNLESS THE DEPARTMENT HAS APPROVED OTHERWISE.

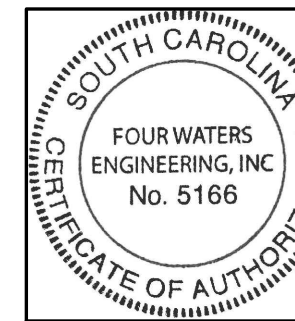
### PLANNED SEQUENCE OF OPERATIONS:

- INSTALLATION OF SILT FENCE AND INLET PROTECTION PER CONSTRUCTION PLANS.
- CLEAR TREES AND OTHER VEGETATION FROM THE SITE WITHOUT REMOVING STUMPS OR OTHERWISE DISTURBING THE GROUND SURFACE.
- CONTRACTOR TO SEED UPLAND AREAS AS NEEDED OR SPECIFIED BY ENGINEER

### PROJECT LIMITS NOTES:

- PROJECT LIMITS SHOWN ON DRAWINGS.  
ESTIMATED DISTURBANCE (NOT INCLUDING STUMPS REMAINING) 0.45 ACRES

LEGEND	
	TEMPORARY CLEARING AREA (TYP)
	SILT FENCE (TYP)
	TREE PROTECTION (TYP)
	INLET PROTECTION (TYP)
	CONSTRUCTION ENTRANCE



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REV	NO	DATE	DRWN	CHKD	BY	DESCRIPTION
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3	3					
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5	5					
6	6					
7	7					

RIDGELAND TRAILS CLEARING

**CONSTRUCTION LIMITS**

TOWN OF RIDGELAND  
RIDGELAND, SOUTH CAROLINA

DESIGN	DRAWN	BRH	DATE	ISSUE	BID
MJK	BRH		17-007-040	JANUARY 2025	

**FOUR WATERS ENGINEERING**

324 6th AVE. N. JACKSONVILLE BEACH, FLORIDA 32250  
844-414-2400 WWW.AWENG.COM

DRAWING NUMBER  
**C-4**



THIS ITEM HAS BEEN DIGITALLY SIGNED AND SEALED BY MICHAEL R. KLUM, PE ON THE DATE ADJACENT TO THE SEAL. PRINTED COPIES OF THIS DOCUMENT ARE NOT CONSIDERED SIGNED AND SEALED AND THE SIGNATURE MUST BE VERIFIED ON ANY ELECTRONIC COPIES.

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REV. NO.	DATE	DESCRIPTION
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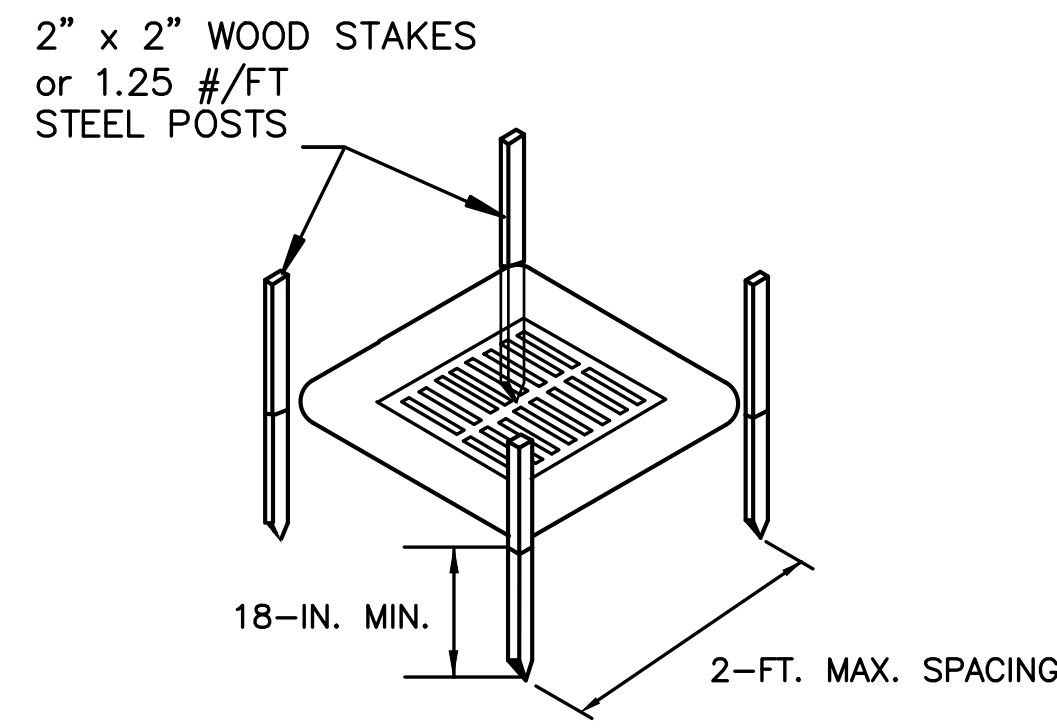
RIDGELAND TRAILS CLEARING

TOWN OF RIDGELAND  
RIDGELAND, SOUTH CAROLINA

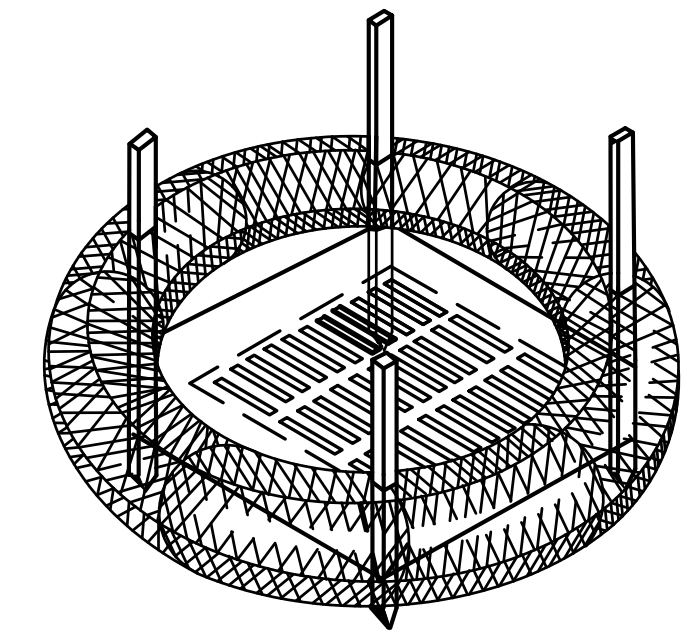
DESIGN	BRH	BRH	BRH
MJK	17-007-040	JANUARY 2025	BID

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324 6th AVE. N. JACKSONVILLE BEACH, FLORIDA 32250  
844-414-2400 S.C. COA # 5166 WWW.FWENG.COM

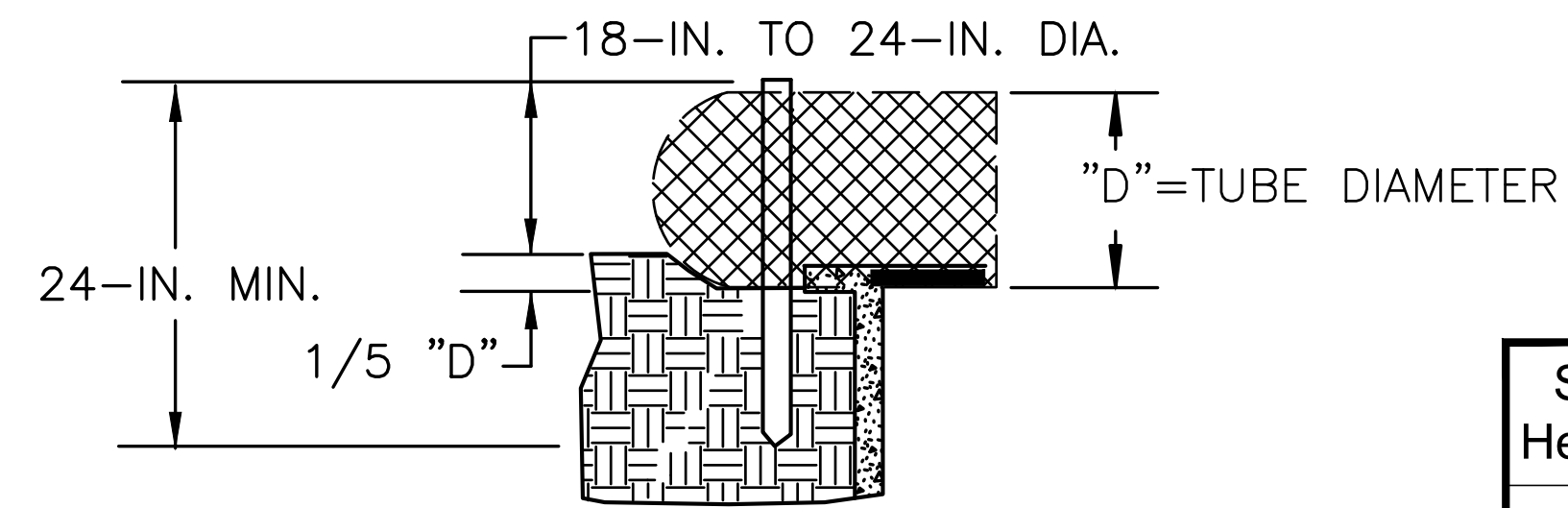
DRAWING NUMBER  
**D-1**



POST INSTALLATION DETAIL

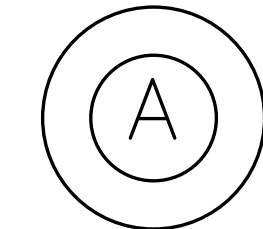


SEDIMENT TUBE INSTALLATION DETAIL



SEDIMENT TUBE BURIAL DETAIL

PLAN SYMBOL

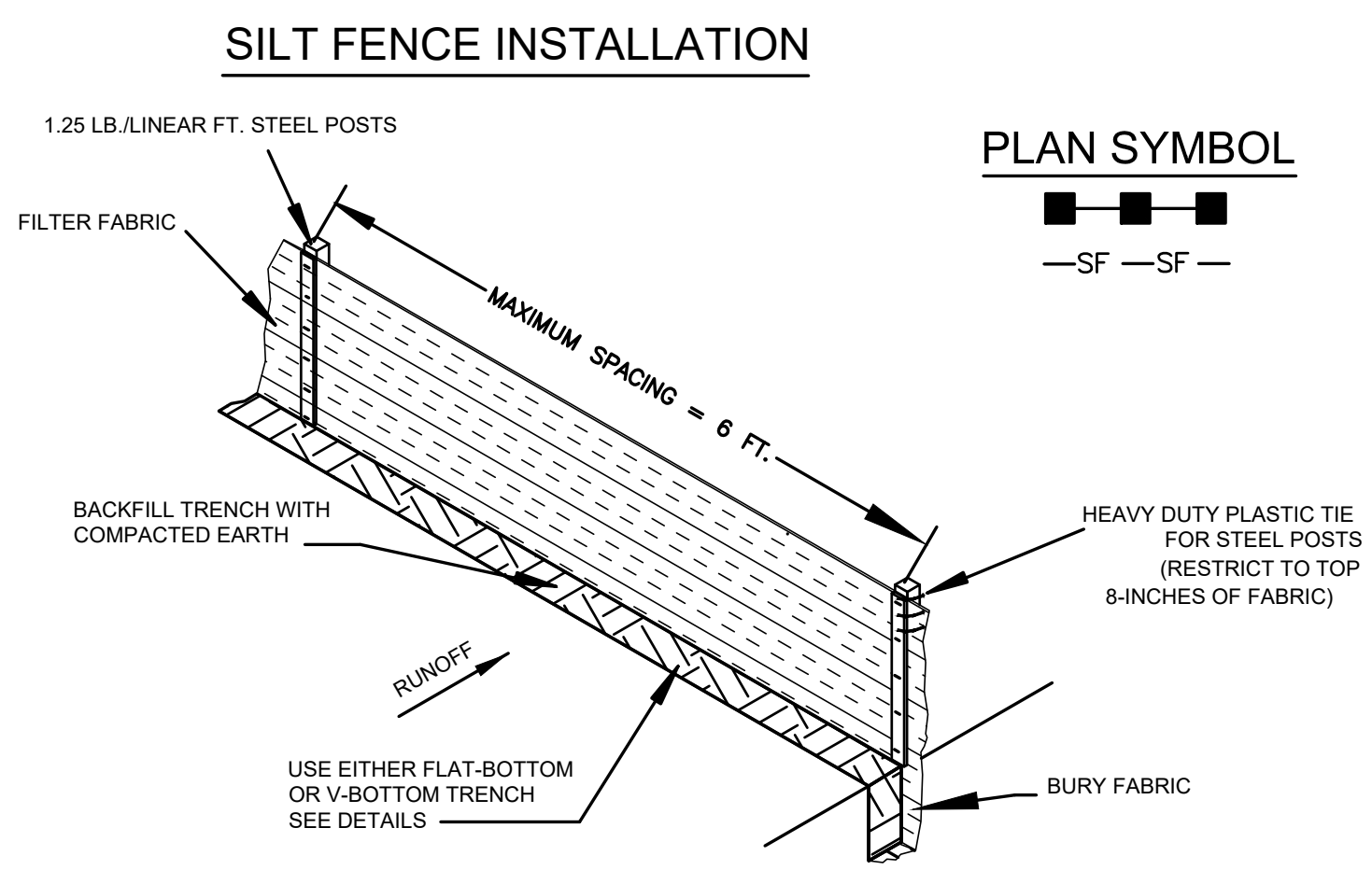


**South Carolina Department of Health and Environmental Control**  
**Type A**  
SEDIMENT TUBE INLET PROTECTION  
STANDARD DRAWING NO. SC-07A PAGE 1 of 2  
NOT TO SCALE FEBRUARY 2014 DATE

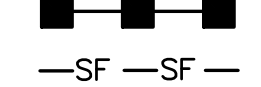
- TYPE A – FILTER FABRIC REQUIREMENTS**
- Silt fence must be composed of woven geotextile filter fabric that consists of the following requirements:
    - Composed of fibers consisting of long chain synthetic polymers of at least 85% by weight of polyolefins, polyesters, or polyamides that are formed into a network such that the filaments or yarns retain dimensional stability relative to each other;
    - Free of any treatment or coating which might adversely alter its physical properties after installation;
    - Free of any defects or flaws that significantly affect its physical and/or filtering properties; and,
    - Have a minimum width of 36-inches.
  - Use only fabric appearing on SC DOT's Qualified Products Listing (QPL), Approval Sheet #34, meeting the requirements of the most current edition of the SC DOT Standard Specifications for Highway Construction.
  - 12-inches of the fabric should be placed within excavated trench and toed in when the trench is backfilled.
  - Filter Fabric shall be purchased in continuous rolls and cut to the length of the barrier to avoid joints.
  - Filter Fabric shall be installed at a minimum of 24-inches above the ground.
- TYPE A – POST REQUIREMENTS**
- Silt Fence posts must be 48-inch long steel posts that meet, at a minimum, the following physical characteristics:
    - Composed of a high strength steel with a minimum yield strength of 50,000 psi.
    - Include a standard "T" section with a nominal face width of 1.38-inches and a nominal "T" length of 1.48-inches.
    - Weigh 1.25 pounds per foot (± 8%)
  - Posts shall be equipped with projections to aid in fastening of filter fabric.
  - Install posts to a minimum of 24-inches. A minimum height of 1- to 2- inches above the fabric shall be maintained, and a maximum height of 3 feet shall be maintained above the ground.
  - Post spacing shall be at a maximum of 3-feet on center.

- TYPE A – INSPECTION & MAINTENANCE**
- The key to functional inlet protection is weekly inspections, routine maintenance, and regular sediment removal.
  - Regular inspections of inlet protection shall be conducted once every calendar week and, as recommended, within 24-hours after each rainfall even that produces 1/2-inch or more of precipitation.
  - Attention to sediment accumulations along the filter fabric is extremely important. Accumulated sediment should be continually monitored and removed when necessary.
  - Remove accumulated sediment when it reaches 1/3 the height of the filter fabric. When a sump is installed in front of the fabric, sediment should be removed when it fills approximately 1/3 the depth of the sump.
  - Removed sediment shall be placed in stockpile storage areas or spread thinly across disturbed area. Stabilize the removed sediment after it is relocated.
  - Check for areas where stormwater runoff has eroded a channel beneath the filter fabric, or where the fabric has sagged or collapsed due to runoff overtopping the inlet protection.
  - Check for tears within the filter fabric, areas where fabric has begun to decompose, and for any other circumstance that may render the inlet protection ineffective. Removed damaged fabric and reinstall new filter fabric immediately.
  - Inlet protection structures should be removed after all the disturbed areas are permanently stabilized. Remove all construction material and sediment, and dispose of them properly. Grade the disturbed area to the elevation of the drop inlet structure crest. Stabilize all bare areas immediately.

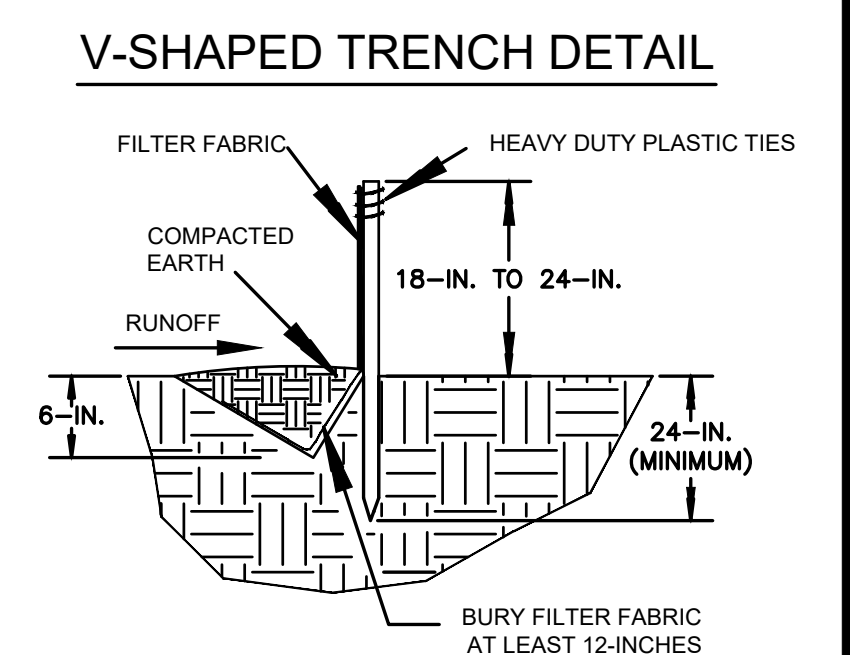
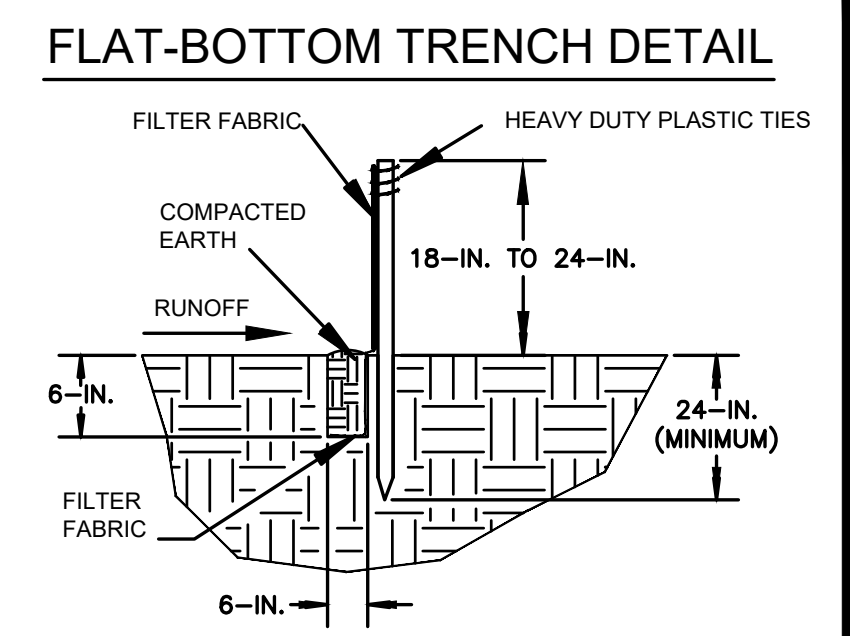
**South Carolina Department of Health and Environmental Control**  
**Type A**  
FILTER FABRIC INLET PROTECTION  
STANDARD DRAWING NO. SC-07 PAGE 2 of 2  
GENERAL NOTES FEBRUARY 2014 DATE



PLAN SYMBOL



- SILT FENCE – GENERAL NOTES**
- Do not place silt fence across channels or in other areas subject to concentrated flows. Silt fence should not be used as a velocity control BMP. Concentrated flows are any flows greater than 0.5 cfs.
  - Maximum sheet or overlaid flow path length to the silt fence shall be 100-feet.
  - Maximum slope steepness (normal [perpendicular] to the fence line) shall be 2:1.
  - Silt fence joints, when necessary, shall be completed by one of the following options:
    - Wrap each fabric together at a support post with both ends fastened to the post, with a 1-foot minimum overlap;
    - Overlap silt fence by installing 3-feet passed the support post to which the new silt fence roll is attached. Attach old roll to new roll with heavy-duty plastic ties; or,
    - Overlap entire width of each silt fence roll from one support post to the next support post.
  - Attach filter fabric to the steel posts using heavy-duty plastic ties that are evenly spaced within the top 8-inches of the fabric.
  - Install the silt fence perpendicular to the direction of the stormwater flow and place the silt fence the proper distance from the toe of steep slopes to provide sediment storage and access for maintenance and cleanout.
  - Install Silt Fence Checks (Tie-Backs) every 50-100 feet, dependent on slope, along silt fence that is installed with slope and where concentrated flows are expected or are documented along the proposed/installed silt fence.



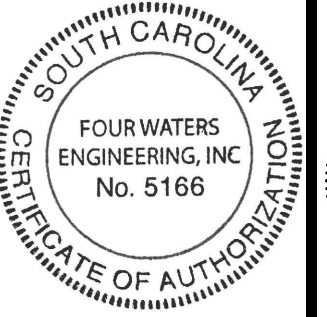
**South Carolina Department of Health and Environmental Control**  
**SILT FENCE**  
STANDARD DRAWING NO. SC-03 Page 1 of 2  
NOT TO SCALE FEBRUARY 2014 DATE

- SILT FENCE – POST REQUIREMENTS**
- Silt Fence posts must be 48-inch long steel posts that meet, at a minimum, the following physical characteristics:
- Composed of a high strength steel with a minimum yield strength of 50,000 psi.
  - Include a standard "T" section with a nominal face width of 1.38-inches and a nominal "T" length of 1.48-inches.
  - Weigh 1.25 pounds per foot (± 8%)
- Posts shall be equipped with projections to aid in fastening of filter fabric.
  - Steel posts may need to have a metal soil stabilization plate welded near the bottom when installed along steep slopes or installed in loose soils. The plate should have a minimum cross section of 17-square inches and be composed of 15 gauge steel, at a minimum. The metal soil stabilization plate should be completely buried.
  - Install posts to a minimum of 24-inches. A minimum height of 1- to 2- inches above the fabric shall be maintained, and a maximum height of 3 feet shall be maintained above the ground.
  - Post spacing shall be at a maximum of 6-feet on center.

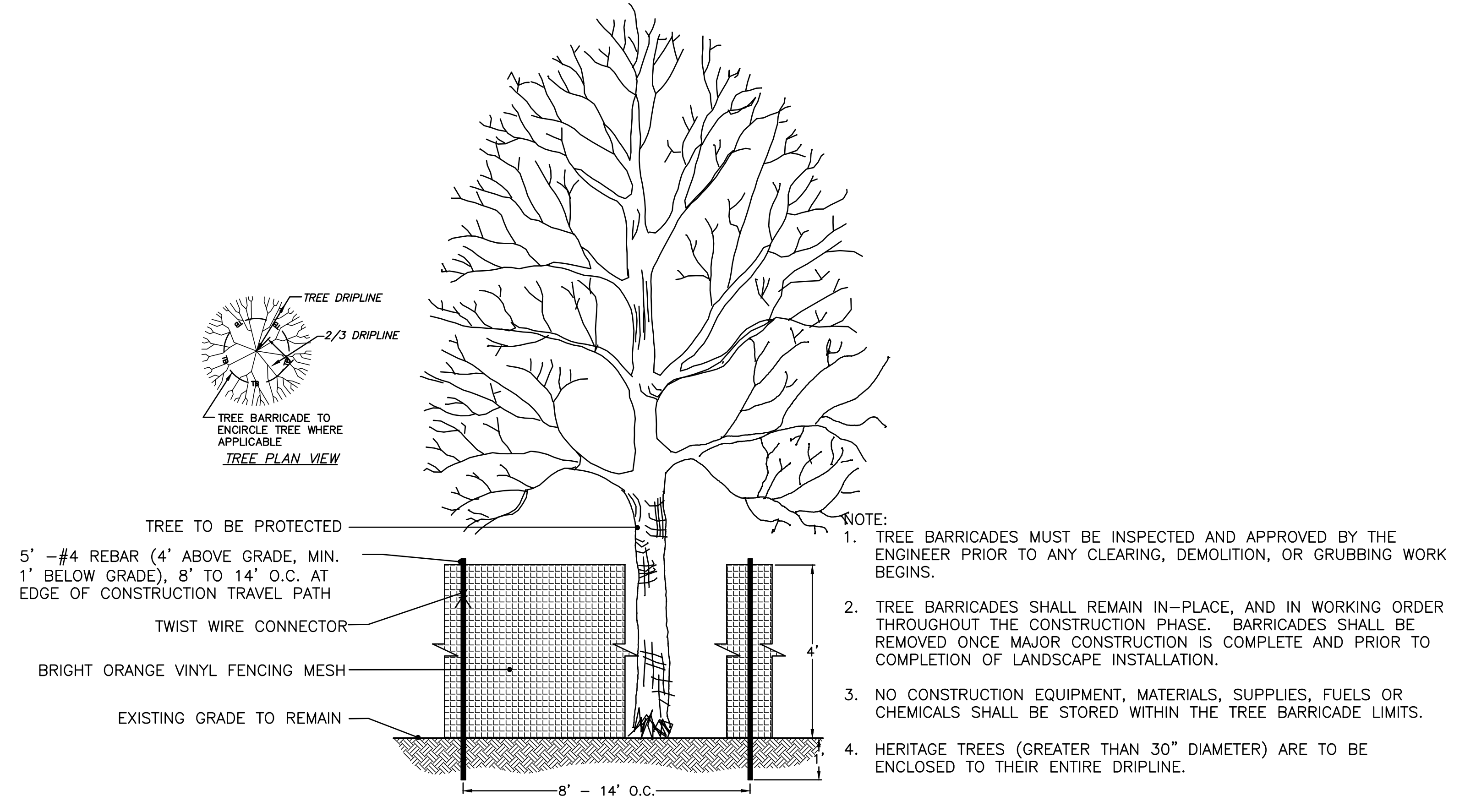
- SILT FENCE – FABRIC REQUIREMENTS**
- Silt fence must be composed of woven geotextile filter fabric that consists of the following requirements:
    - Composed of fibers consisting of long chain synthetic polymers of at least 85% by weight of polyolefins, polyesters, or polyamides that are formed into a network such that the filaments or yarns retain dimensional stability relative to each other;
    - Free of any treatment or coating which might adversely alter its physical properties after installation;
    - Free of any defects or flaws that significantly affect its physical and/or filtering properties; and,
    - Have a minimum width of 36-inches.
  - Use only fabric appearing on SC DOT's Qualified Products Listing (QPL), Approval Sheet #34, meeting the requirements of the most current edition of the SC DOT Standard Specifications for Highway Construction.
  - 12-inches of the fabric should be placed within excavated trench and toed in when the trench is backfilled.
  - Filter Fabric shall be purchased in continuous rolls and cut to the length of the barrier to avoid joints.
  - Filter Fabric shall be installed at a minimum of 24-inches above the ground.

- SILT FENCE – INSPECTION & MAINTENANCE**
- The key to functional silt fence is weekly inspections, routine maintenance, and regular sediment removal.
  - Regular inspections of silt fence shall be conducted once every calendar week and, as recommended, within 24-hours after each rainfall even that produces 1/2-inch or more of precipitation.
  - Attention to sediment accumulations along the silt fence is extremely important. Accumulated sediment should be continually monitored and removed when necessary.
  - Remove accumulated sediment when it reaches 1/3 the height of the silt fence.
  - Removed sediment shall be placed in stockpile storage areas or spread thinly across disturbed area. Stabilize the removed sediment after it is relocated.
  - Check for areas where stormwater runoff has eroded a channel beneath the silt fence, or where the fence has sagged or collapsed due to runoff overtopping the silt fence. Install checks/tie-backs and/or reinstall silt fence, as necessary.
  - Check for tears within the silt fence, areas where silt fence has begun to decompose, and for any other circumstance that may render the silt fence ineffective. Removed damaged silt fence and reinstall new silt fence immediately.
  - Silt fence should be removed within 30 days after final stabilization is achieved and once it is removed, the resulting disturbed area shall be permanently stabilized.

**South Carolina Department of Health and Environmental Control**  
**SILT FENCE**  
STANDARD DRAWING NO. SC-03 PAGE 2 of 2  
GENERAL NOTES FEBRUARY 2014 DATE



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- NOTE:
1. TREE BARRICADES MUST BE INSPECTED AND APPROVED BY THE ENGINEER PRIOR TO ANY CLEARING, DEMOLITION, OR GRUBBING WORK BEGINS.
  2. TREE BARRICADES SHALL REMAIN IN-PLACE, AND IN WORKING ORDER THROUGHOUT THE CONSTRUCTION PHASE. BARRICADES SHALL BE REMOVED ONCE MAJOR CONSTRUCTION IS COMPLETE AND PRIOR TO COMPLETION OF LANDSCAPE INSTALLATION.
  3. NO CONSTRUCTION EQUIPMENT, MATERIALS, SUPPLIES, FUELS OR CHEMICALS SHALL BE STORED WITHIN THE TREE BARRICADE LIMITS.
  4. HERITAGE TREES (GREATER THAN 30" DIAMETER) ARE TO BE ENCLOSED TO THEIR ENTIRE DRIPLINE.

**TREE BARRICADE STAKING**  
NOT TO SCALE

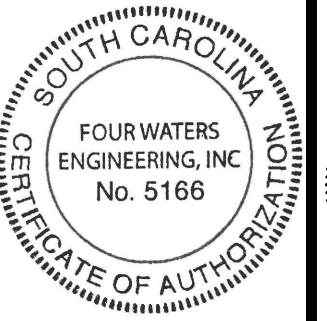
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RIDGELAND TRAILS CLEARING  
**DETAILS**  
TOWN OF RIDGELAND  
RIDGELAND, SOUTH CAROLINA

DESIGN MK	BRH	JOB #	ISSUE DATE	ISSUE	BID
		17-1007-040	JANUARY 2025		

**FOUR WATERS ENGINEERING**  
324 6th AVE. N. JACKSONVILLE BEACH, FLORIDA 32250  
844-414-2400 S.C. COA # 5166 WWW.FWENG.COM

DRAWING NUMBER  
**D-2**



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SCDOT REFERENCE DRAWINGS	
DRAWING	DRAWING TITLE
610-005-00	FLAGGING OPERATION TWO-LANE TWO-WAY PRIMARY + SECONDARY ROUTES
610-005-10	FLAGGING OPERATION TWO-LANE TWO-WAY ROADWAYS WITHOUT INTERSECTIONS
720-150-00	SIDEWALK ADJACENT TO CURB
815-001-01	TYPE A INLET STRUCTURE FILTERS
815-205-00	SEDIMENT TUBE DITCH APPLICATION
815-505-00	EROSION CONTROL - STABILIZED CONSTRUCTION ENTRANCE
815-605-00	TEMPORARY SILT FENCE

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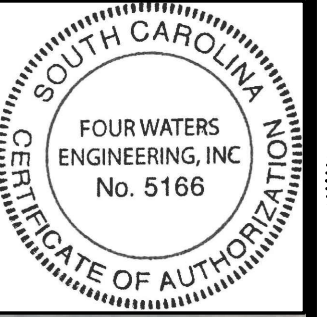
RIDGELAND TRAILS CLEARING  
**DETAILS**  
TOWN OF RIDGELAND  
RIDGELAND, SOUTH CAROLINA

DESIGN MK	DRAWN BRH	JOB #	ISSUE DATE	ISSUE BID
		17-1007-040	JANUARY 2025	

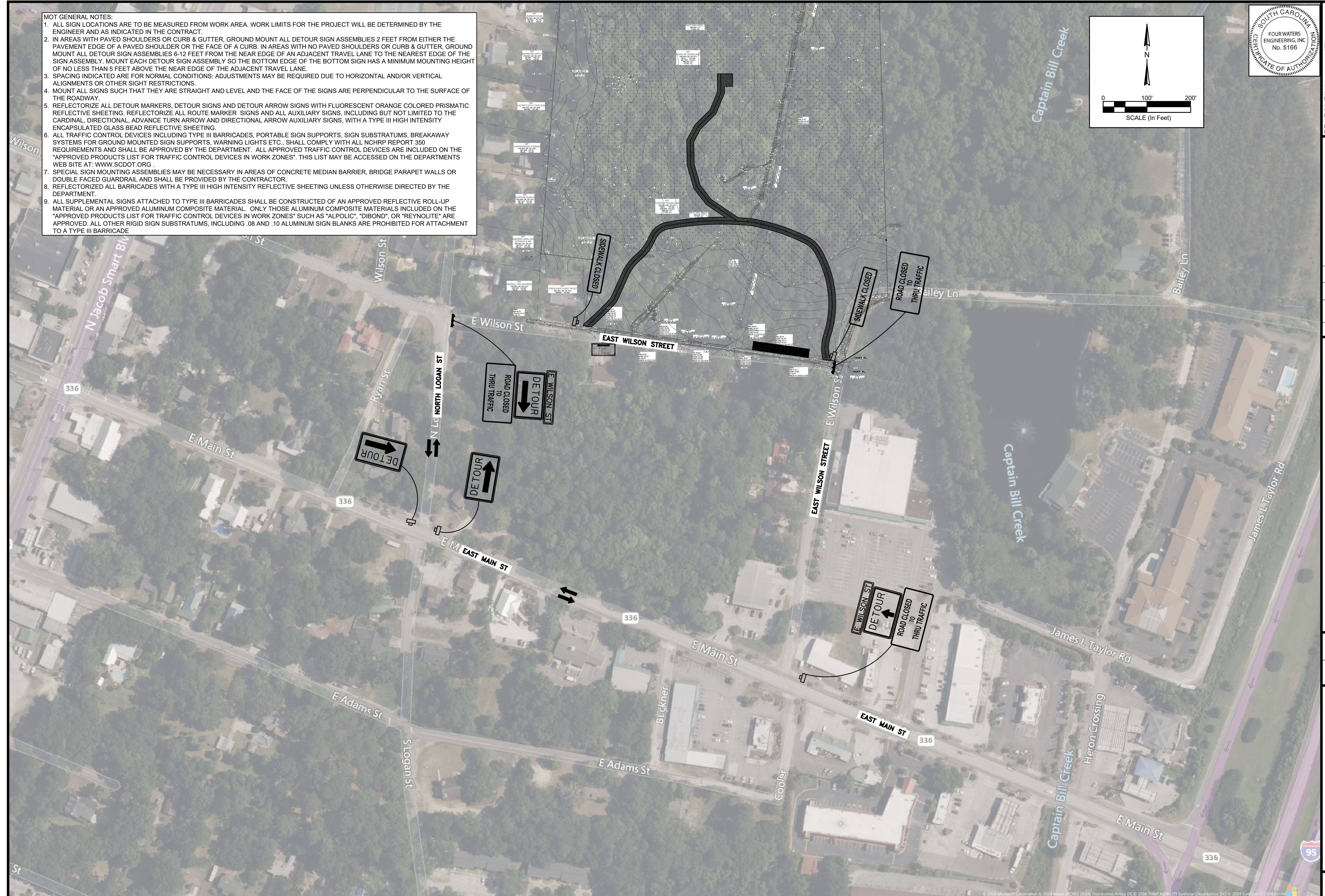
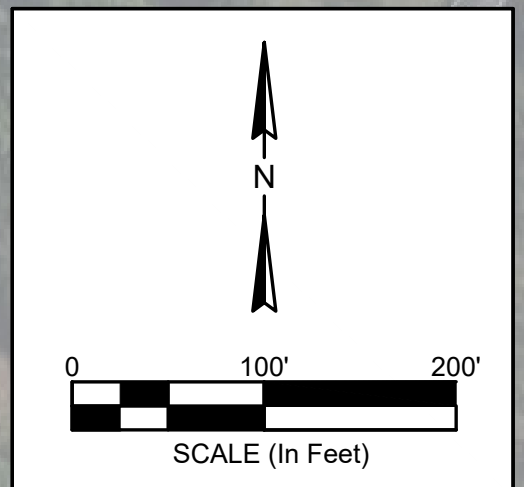


DRAWING NUMBER  
**D-3**

- MOT GENERAL NOTES:**
1. ALL SIGN LOCATIONS ARE TO BE MEASURED FROM WORK AREA. WORK LIMITS FOR THE PROJECT WILL BE DETERMINED BY THE ENGINEER AND AS INDICATED IN THE CONTRACT.
  2. IN AREAS WITH PAVED SHOULDERS OR CURB & GUTTER, GROUND MOUNT ALL DETOUR SIGN ASSEMBLIES 2 FEET FROM EITHER THE PAVEMENT EDGE OF A PAVED SHOULDER OR THE FACE OF A CURB. IN AREAS WITH NO PAVED SHOULDERS OR CURB & GUTTER, GROUND MOUNT ALL DETOUR SIGN ASSEMBLIES 6-12 FEET FROM THE NEAR EDGE OF AN ADJACENT TRAVEL LANE TO THE NEAREST EDGE OF THE SIGN ASSEMBLY. MOUNT EACH DETOUR SIGN ASSEMBLY SO THE BOTTOM EDGE OF THE BOTTOM SIGN HAS A MINIMUM MOUNTING HEIGHT OF NO LESS THAN 5 FEET ABOVE THE NEAR EDGE OF THE ADJACENT TRAVEL LANE.
  3. SPACING INDICATED ARE FOR NORMAL CONDITIONS; ADJUSTMENTS MAY BE REQUIRED DUE TO HORIZONTAL AND/OR VERTICAL ALIGNMENTS OR OTHER SIGHT RESTRICTIONS.
  4. MOUNT ALL SIGNS SUCH THAT THEY ARE STRAIGHT AND LEVEL AND THE FACE OF THE SIGNS ARE PERPENDICULAR TO THE SURFACE OF THE ROADWAY.
  5. REFLECTORIZE ALL DETOUR MARKERS, DETOUR SIGNS AND DETOUR ARROW SIGNS WITH FLUORESCENT ORANGE COLORED PRISMATIC REFLECTIVE SHEETING. REFLECTORIZE ALL ROUTE MARKER SIGNS AND ALL AUXILIARY SIGNS, INCLUDING BUT NOT LIMITED TO THE CARDINAL, DIRECTIONAL, ADVANCE TURN ARROW AND DIRECTIONAL ARROW AUXILIARY SIGNS, WITH A TYPE III HIGH INTENSITY ENCAPSULATED GLASS BEAD REFLECTIVE SHEETING.
  6. ALL TRAFFIC CONTROL DEVICES INCLUDING TYPE III BARRICADES, PORTABLE SIGN SUPPORTS, SIGN SUBSTRATUMS, BREAKAWAY SYSTEMS FOR GROUND MOUNTED SIGN SUPPORTS, WARNING LIGHTS ETC., SHALL COMPLY WITH ALL NCHRP REPORT 350 REQUIREMENTS AND SHALL BE APPROVED BY THE DEPARTMENT. ALL APPROVED TRAFFIC CONTROL DEVICES ARE INCLUDED ON THE "APPROVED PRODUCTS LIST FOR TRAFFIC CONTROL DEVICES IN WORK ZONES". THIS LIST MAY BE ACCESSED ON THE DEPARTMENTS WEB SITE AT: WWW.SCDOT.ORG.
  7. SPECIAL SIGN MOUNTING ASSEMBLIES MAY BE NECESSARY IN AREAS OF CONCRETE MEDIAN BARRIER, BRIDGE PARAPET WALLS OR DOUBLE FACED GUARDRAIL AND SHALL BE PROVIDED BY THE CONTRACTOR.
  8. REFLECTORIZED ALL BARRICADES WITH A TYPE III HIGH INTENSITY REFLECTIVE SHEETING UNLESS OTHERWISE DIRECTED BY THE DEPARTMENT.
  9. ALL SUPPLEMENTAL SIGNS ATTACHED TO TYPE III BARRICADES SHALL BE CONSTRUCTED OF AN APPROVED REFLECTIVE ROLL-UP MATERIAL OR AN APPROVED ALUMINUM COMPOSITE MATERIAL. ONLY THOSE ALUMINUM COMPOSITE MATERIALS INCLUDED ON THE "APPROVED PRODUCTS LIST FOR TRAFFIC CONTROL DEVICES IN WORK ZONES" SUCH AS "ALPOLIC", "DIBOND", OR "REYNOLITE" ARE APPROVED. ALL OTHER RIGID SIGN SUBSTRATUMS, INCLUDING .08 AND .10 ALUMINUM SIGN BLANKS ARE PROHIBITED FOR ATTACHMENT TO A TYPE III BARRICADE.



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**MAINTENANCE OF TRAFFIC - SITE ACCESS**

RIDGELAND TRAILS CLEARING  
TOWN OF RIDGELAND  
RIDGELAND, SOUTH CAROLINA

DESIGN MK	BRH	DATE	ISSUE
17-007-040		JANUARY 2025	BID

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 844-414-2400 S.C. COA # 5166 WWW.FWENG.COM

DRAWING NUMBER  
**D-4**