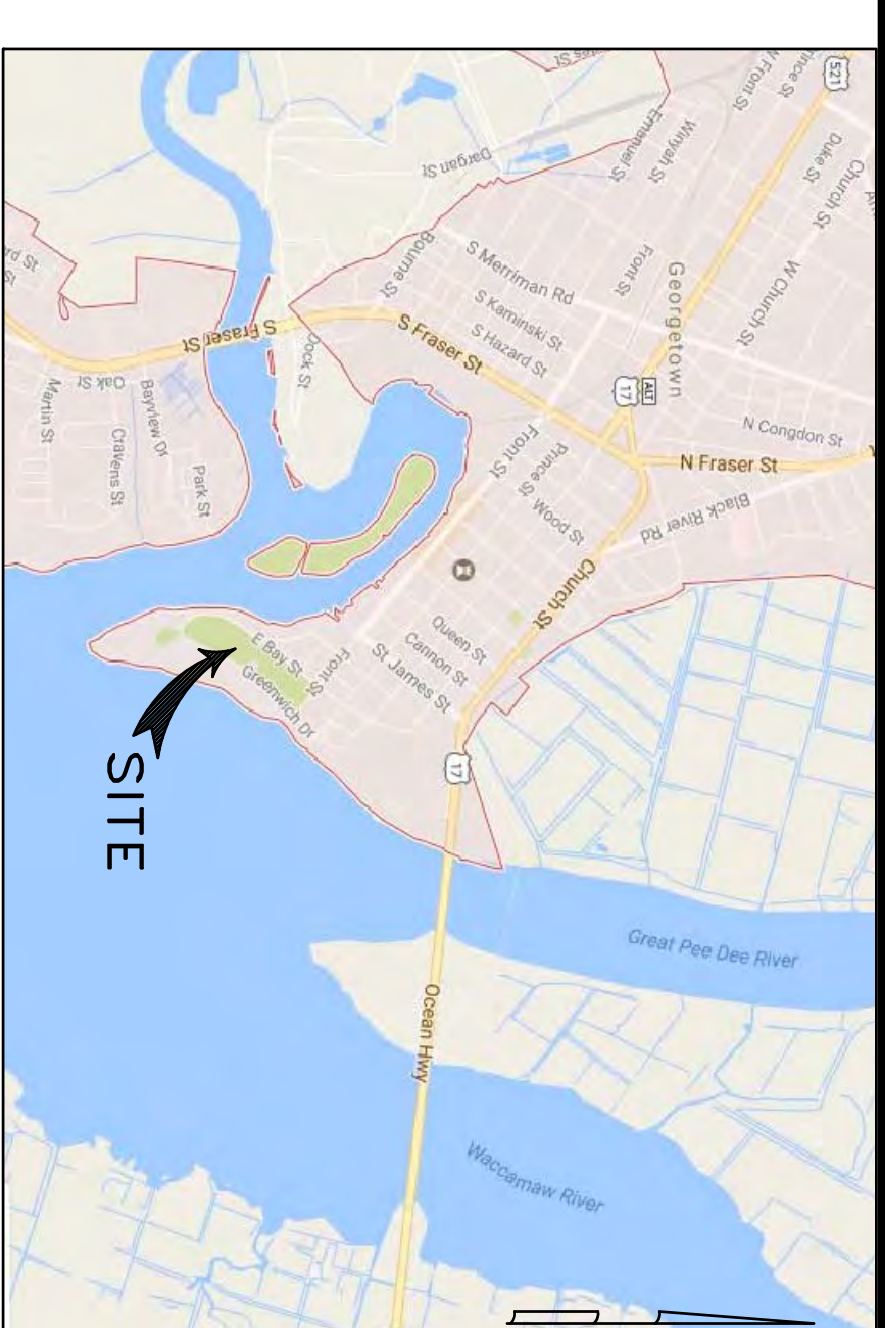


EAST BAY PARK RECREATIONAL TRAIL

CITY OF GEORGETOWN PROJECT NO. 1206

PROJECT IS FUNDED BY SOUTH CAROLINA DEPARTMENT OF PARKS, RECREATION & TOURISM (SCPRT) STATE TRAILS PROGRAM

SCPRT GRANT # P28051500715



CITY OF GEORGETOWN
 GEORGETOWN, SOUTH CAROLINA

March 1, 2018

Prepared By:



1937 W. Palmetto St., Box 123
 Florence, South Carolina 29501
 Ph. (843) 495-7452

SH. NO.	TITLE	REV.	DATE
G1	COVER SHEET	0	2/14/18
G2	STANDARD NOTES	0	2/14/18
C1	EXISTING SITE PLAN	0	2/14/18
C2	PROPOSED SITE PLAN (1 OF 2)	0	2/14/18
C3	PROPOSED SITE PLAN (2 OF 2)	0	2/14/18
C4	GRADING & EROSION CONTROL PLAN (1 OF 2)	0	2/14/18
C5	GRADING & EROSION CONTROL PLAN (2 OF 2)	1	3/1/18
C6	SITE DETAILS	0	2/14/18
C7	ENLARGED VIEWS	0	2/14/18

PLAN INDEX

PROJECT CONTACTS

CONTACT NAME	TITLE	PHONE NO.
ORLANDO ARTEAGA, P.E.	CITY ENGINEER	(843) 545-4501
JUSTIN MOONEY	ENGINEER TECH.	(843) 545-4504
WILL COOK	WATER UTILITIES	(843) 545-4505
ALAN LOVELESS, P.E.	ELECTRIC UTILITIES	(843) 545-4600
TIM CHATTMAN	PUBLIC WORKS	(843) 545-4702

	REV.	DESCRIPTION	BY	COVER SHEET
	0	ISSUED FOR CONSTRUCTION	BC	
	1	REVISED SHEET CS	BC	SHEET NUMBER : G1 SHEET 1 OF 9
DATE : 3/5/17 REV. : 3/1/18			DRAWN BY: BC CHKD BY: BC	FILE: CW-EPB_REC_TRAIL.dwg

SEQUENCE OF CONSTRUCTION

1. Receive NPDES coverage permit from DHEC prior to starting any land disturbing activities.
2. Contact DHEC Regional EOC Office 48 hours PRIOR to any land disturbing activities.
3. Install Temporary Gravel Construction Entrance, silt fence and other erosion control BMPs.
4. Strip topsoil and any unsuitable soils from areas for new recreational trail.
5. Install new drainage swales, storm drainage piping and sediment tube check dams at locations indicated.
6. Ensure that all underground utilities and/or spare conduits have been installed for the New Restroom Facility (UNDER CONSTRUCTION BY OTHERS-NC).
7. Rough grade new recreational trail: (Coordinate with Restroom Facility – UNDER CONSTRUCTION BY OTHERS-NC).
8. Install and compact stone base for new recreational trail.
9. Install transitions at existing gravel road crossings to match grade.
10. Backfill shoulders at fill areas as required.
11. Install signage and pavement markings as indicated.
12. Cleanup trash and materials from the site.
13. Remove sediment from swales and re-grade for positive drainage to outfalls.
14. Hydroseed all disturbed areas to be grassed. DO NOT spray new asphalt trail, other pavements or structures.
15. Establish 70% grassing stabilization on disturbed areas for the new recreational trail.
16. Remove temporary erosion control BMPs.
17. Final cleanup of the site.
18. Submit to DHEC the Notice of Termination once the site stabilization has been approved.

STANDARD NOTES

1. 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.
2. 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.
3. 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 installed, the Permittee must address the necessary replacement or modification required to correct the BMP within 48 hours of identification.
4. 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.
5. 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.
6. 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.
7. 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. 72-500 et seq. and SCR1000000.
8. 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.
9. 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.
10. 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.
11. A copy of the SWPPP, inspectors 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.
12. 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.
13. Minimize soil compaction and, unless infeasible, preserve topsoil.
14. 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.
15. 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.).
16. 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.
17. 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.
18. 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.
19. 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.

EAST BAY PARK RECREATIONAL TRAIL

PROJECT NO. 1206

CITY OF GEORGETOWN, SC

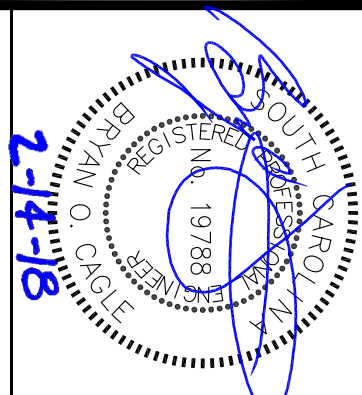
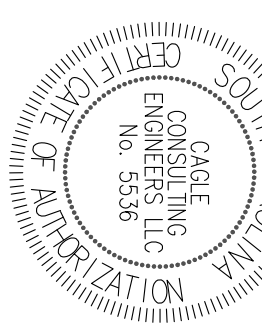
STANDARD NOTES

REV	DESCRIPTION	BY
0	ISSUED FOR CONSTRUCTION	BC

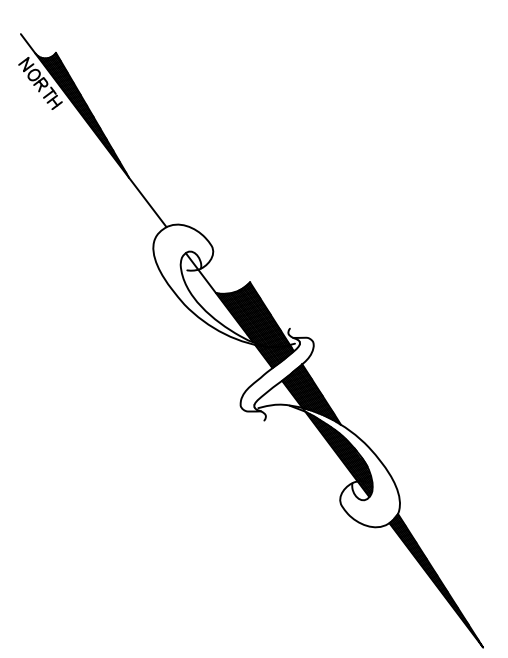
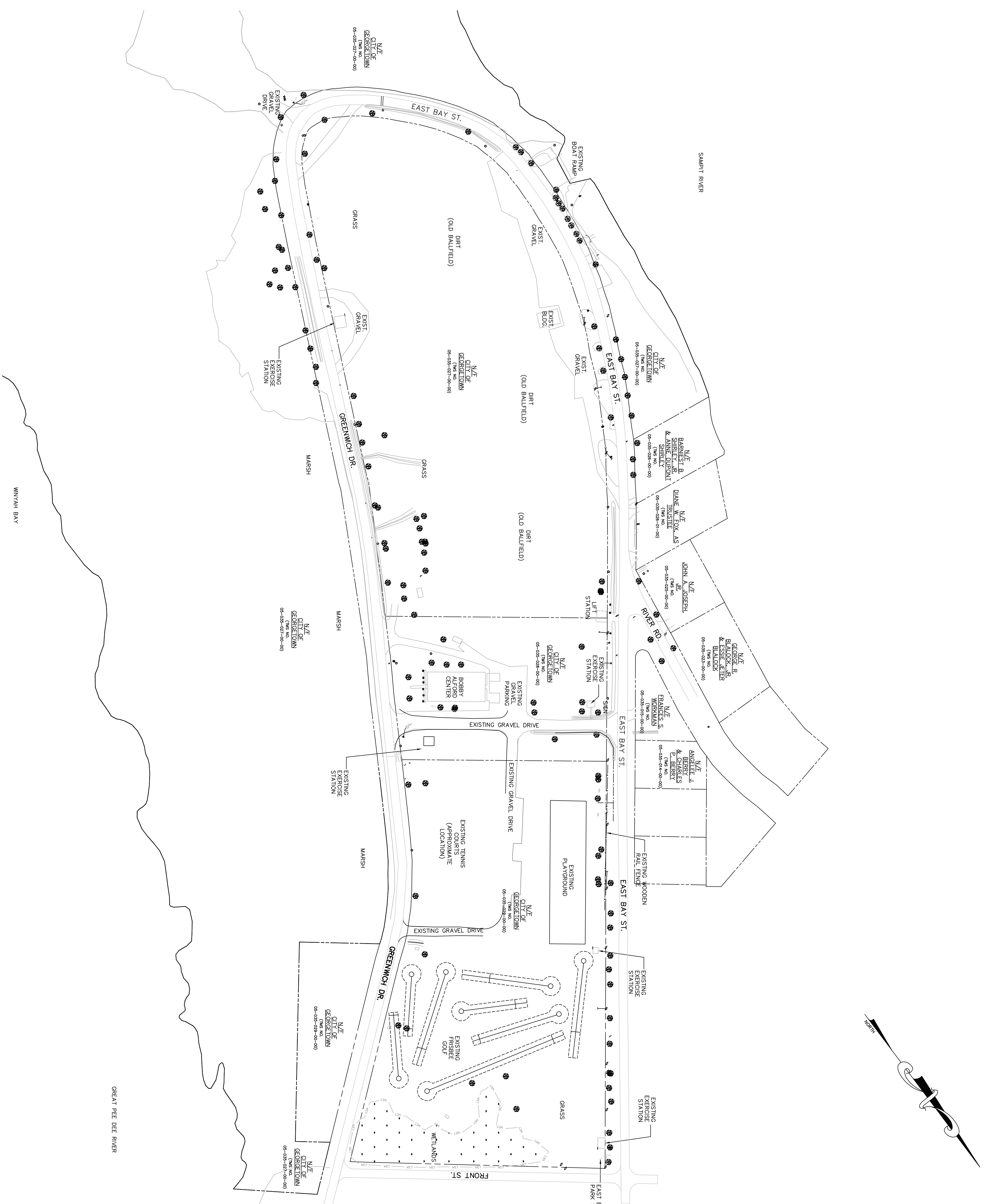
DESIGNED BY:	BC	CHECKED BY:	BC
DATE:	4/28/17	REV:	2/14/18
SCALE(S) SHOWN: PROJ.#: C1701			
FILE/CV-SEP_REC_TRAIL.dwg			

SHEET NUMBER:

G2



CAGLE CONSULTING ENGINEERS LLC
PLANNING & DESIGN
 1937 W. Palmetto St., Box 123, Florence, South Carolina 29501
 Ph. (843) 495-7452 bcagle.civilengr@gmail.com



LOCATION MAP
N.T.S.

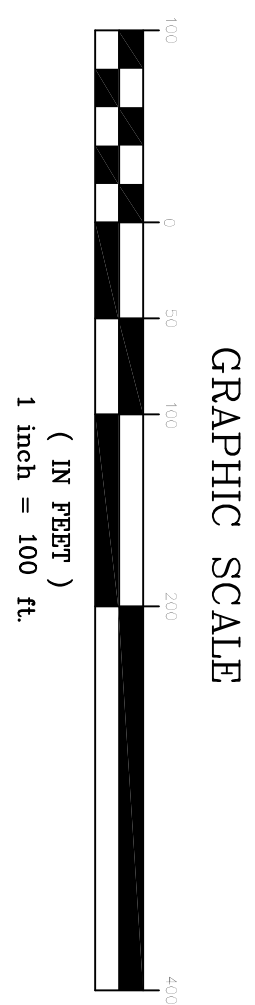
LEGEND	
●	IRON PIN FOUND (TYPE & SIZE AS NOTED)
○	#5 REBAR SET (UNLESS OTHERWISE NOTED)
○	COMPUTED POINT
○	TEMPORARY BENCHMARK
⊕	FIRE HYDRANT
⊕	WATER VALVE
⊕	WATER METER
⊕	FIRE DEPARTMENT CONNECTION
⊕	FIBER OPTIC CABLE POST
⊕	TELEPHONE PEDISTAL
⊕	POWER POLE
⊕	FENCE LINE
⊕	ALUMINUM LIGHT POLE
⊕	SANITARY SEWER
⊕	WATER LINE
⊕	WETLANDS

South Carolina 811
CALL 811 - BEFORE YOU DIG

AT LEAST 3 DAYS (72 HOURS) BEFORE DIGGING,
CALL 811
or CALL TOLL-FREE:
1-888-721-7877
or SUBMIT A LOCATE REQUEST ONLINE AT www.sc811.com

THE UTILITIES SHOWN ON THESE DRAWINGS ARE SHOWN FOR THE CONTRACTOR'S CONVENIENCE ONLY. THERE MAY BE OTHER UTILITIES, UNDERGROUND OR OVERHEAD, NOT SHOWN ON THESE PLANS. CAGLE CONSULTING ENGINEERS, LLC ASSUMES NO RESPONSIBILITY FOR THE ACCURACY OF THE LOCATIONS SHOWN AND IT SHALL BE THE UNDERTAKER'S RESPONSIBILITY TO VERIFY THE LOCATION AND DEPTH OF UTILITIES WITHIN THE LIMITS OF THE WORK PRIOR TO STARTING ANY EXCAVATION ACTIVITIES. ALL DAMAGE TO EXISTING UTILITIES AND LOST WORK PRODUCTION CAUSED BY THE CONTRACTOR SHALL BE THE SOLE RESPONSIBILITY OF THE CONTRACTOR.

THE EXISTING SURVEY INFORMATION PRESENTED ON THESE DRAWINGS WAS TAKEN FROM AN EXISTING SURVEY AND DESIGN DRAWINGS PROVIDED BY THE CITY OF GEORGETOWN AND MEAD & HUNT, INC., TITLED "CITY OF GEORGETOWN EAST BAY PARK IMPROVEMENTS", M&H JOB NO. 4131500-160543301, DATED JANUARY 13, 2017, BY MEAD & HUNT, INC., 1012 35th AVENUE NORTH, SUITE 301, MYRTLE BEACH, SC 29577, TEL: 843-579-7251 OR 843-859-1490.

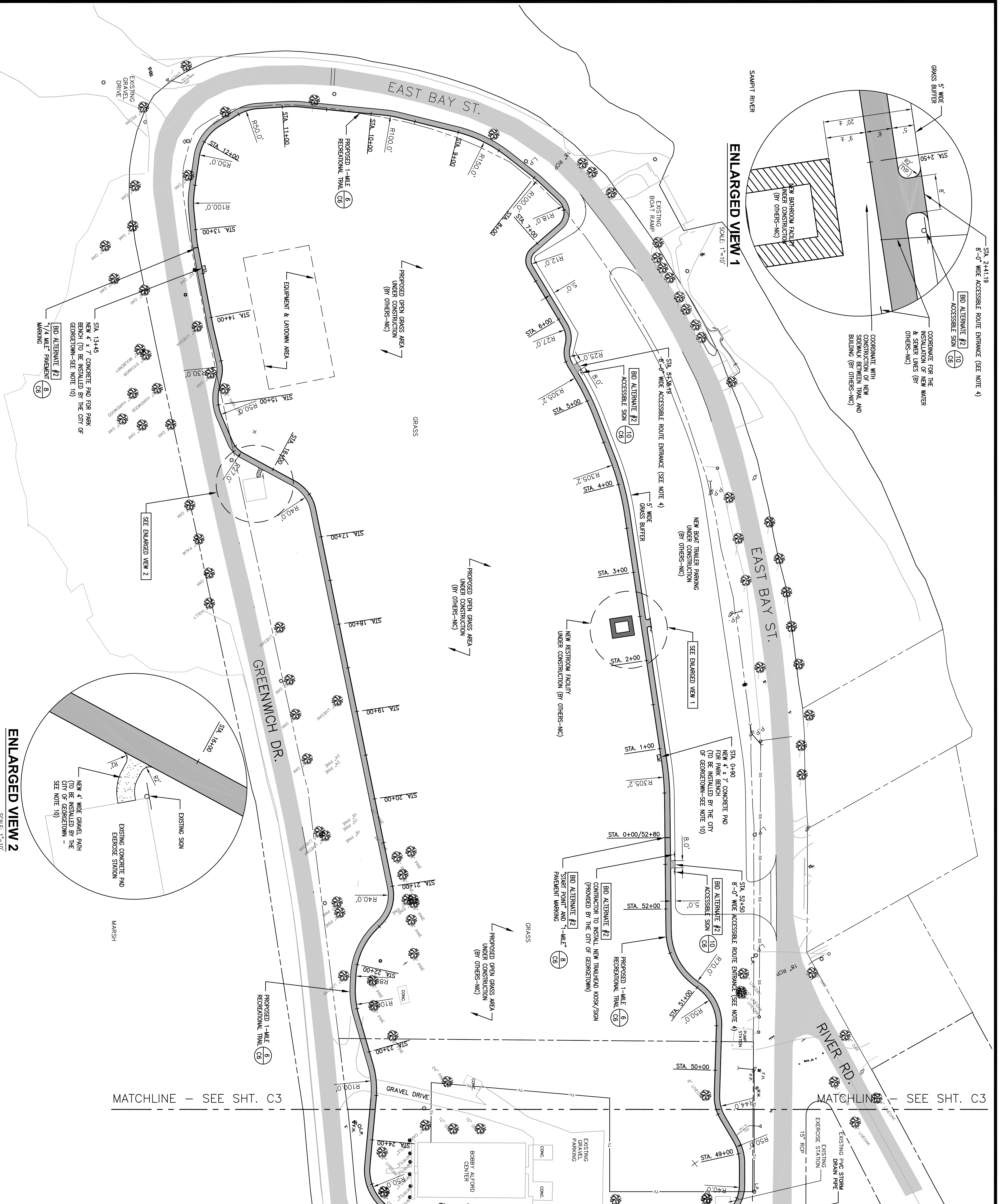


GRAPHIC SCALE
(1 IN FEET)
1 inch = 100 ft

<p>EXISTING SITE PLAN</p>	<p>EAST BAY PARK RECREATIONAL TRAIL PROJECT NO. 1206 CITY OF GEORGETOWN, SC</p>			<p>CAGLE CONSULTING ENGINEERS, LLC PLANNING & DESIGN</p> <p>1937 W. Palmetto St., Box 123, Florence, South Carolina 29501 Ph. (843) 495-7452 bcagle.civilenr@gmail.com</p>
----------------------------------	--	--	--	---

REV	DESCRIPTION	BY
0	ISSUED FOR CONSTRUCTION	BC

DRAWN BY: BC CHK'D BY: BC
DATE: 5/9/17 REV: 2/14/18
SCALE(S) SHOWN: PROJ.#: C1701
FILE/CV-EBP_REC_TRAIL.dwg
SHEET NUMBER:
C1



South Carolina 811
CALL 811 - BEFORE YOU DIG

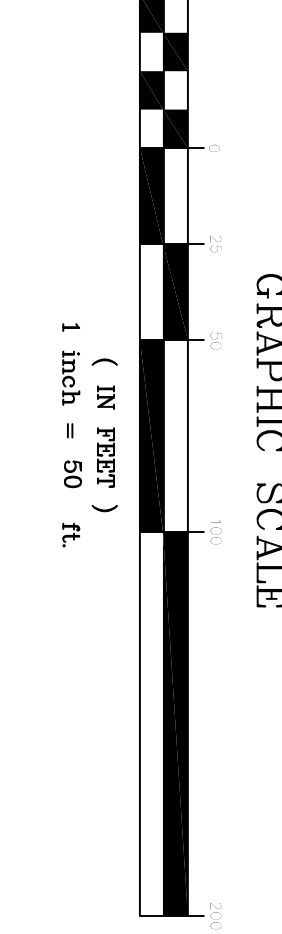
AT LEAST 3 DAYS (72 HOURS) BEFORE DIGGING.
 or CALL 811
 or CALL TOLL-FREE: 1-888-721-7877
 or SUBMIT A LOCATE REQUEST ONLINE AT www.sc811.com

THE UTILITIES SHOWN ON THESE DRAWINGS ARE SHOWN FOR THE CONTRACTOR'S CONVENIENCE ONLY. THERE MAY BE OTHER UTILITIES UNDERGROUND OR OVERHEAD, NOT SHOWN ON THESE PLANS. CAGLE CONSULTING ENGINEERS, LLC ASSUMES NO RESPONSIBILITY FOR THE ACCURACY OF THE UTILITIES SHOWN ON THESE PLANS. THE CONTRACTOR'S RESPONSIBILITY IS TO VERIFY THE HORIZONTAL AND VERTICAL LOCATIONS OF ALL UTILITIES WITHIN THE LIMITS OF THE WORK PRIOR TO STARTING ANY EXCAVATION ACTIVITIES. ALL DAMAGE TO EXISTING UTILITIES AND LOST WORK PRODUCTION CAUSED BY THE CONTRACTOR SHALL BE THE SOLE RESPONSIBILITY OF THE CONTRACTOR.

EXISTING	NEW
PROPERTY LINE	PROPERTY LINE
TREES/SHRUBS	TREES/SHRUBS
BUILDING	BUILDING
ASPHALT PAVEMENT	ASPHALT PAVEMENT
CONCRETE PAVEMENT/SIDEWALK	CONCRETE PAVEMENT/SIDEWALK
CURB AND GUTTER (C&G)	CURB AND GUTTER (C&G)
DRAIN INLET	DRAIN INLET
STORM DRAIN	STORM DRAIN
SANITARY SEWER	SANITARY SEWER
OVERHEAD ELECTRICAL	OVERHEAD ELECTRICAL
MANHOLE	MANHOLE
CLEANOUT	CLEANOUT
ALUMINUM LIGHT POLE	ALUMINUM LIGHT POLE
NOT IN CONTRACT	NOT IN CONTRACT

GENERAL NOTES

1. DIMENSIONS SHOWN ARE TO FACE OF WALL, BACK OF CURB OR EDGE OF ROAD/PAVEMENT, WHICHEVER IS APPLICABLE.
2. CONTRACTOR SHALL NOTIFY ALL UTILITY COMPANIES HAVING UNDERGROUND UTILITIES ON SITE OR IN RIGHT-OF-WAY PRIOR TO CONSTRUCTION. THE CONTRACTOR SHALL BE RESPONSIBLE FOR VERIFYING THE LOCATION AND DEPTH OF ALL UTILITIES IN THE PROJECT AREA BEFORE EXCAVATING.
3. THE CONTRACTOR SHALL TAKE EXTREME CAUTION TO PROTECT EXISTING UTILITIES. NOTIFY THE ENGINEER PRIOR TO BEGINNING CONSTRUCTION. CALL BRYAN CAGLE AT 843-495-7452.
4. ALL NEW PAVEMENTS SHALL HAVE A STRAIGHT, CLEAN AND VERTICAL FINISH. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE LOCATION AND DEPTH OF ALL UTILITIES. NO ASPHALT OR CONCRETE SHALL BE PLACED, POURED OR FLASHED ONTO EXISTING PAVEMENTS OR STRUCTURES. THE CONTRACTOR WILL BE RESPONSIBLE TO CLEAN OR REPLACE EXISTING PAVEMENTS OR STRUCTURES IF THIS OCCURS.
5. REFER TO OTHER CIVIL SHEETS FOR ADDITIONAL NOTES AND DETAILS.
6. PROPOSED BOAT TRAILER PARKING AND OPEN GRASS AREAS SHOWN SHALL BE CONSTRUCTED BY OTHERS UNDER A SEPARATE CONTRACT.
7. PROPOSED RESTROOM FACILITY BUILDING SHOWN SHALL BE CONSTRUCTED BY OTHERS UNDER A SEPARATE CONTRACT.
8. NEW TENNIS COURTS ARE TO BE CONSTRUCTED BY OTHERS UNDER A SEPARATE CONTRACT.
9. THE RECREATIONAL TRAIL CONTRACTOR SHALL COORDINATE WITH OTHER CONTRACTORS OF SEPARATE PROJECTS TO AVOID INTERFERENCE WITH OTHER WORK THAT MAY BE ONGOING AT THE SAME TIME.
10. THE CITY OF GEORGETOWN WILL INSTALL NEW 4"x7" CONCRETE PADS, PARK BENCHES AND 4" WIDE GRAVEL PATHS TO EXISTING EXERCISE STATIONS AFTER THE RECREATIONAL TRAIL IS COMPLETE.



EAST BAY PARK RECREATIONAL TRAIL
PROJECT NO. 1206
CITY OF GEORGETOWN, SC

PROPOSED SITE PLAN (1 OF 2)

REV	DESCRIPTION	BY
0	ISSUED FOR CONSTRUCTION	BC

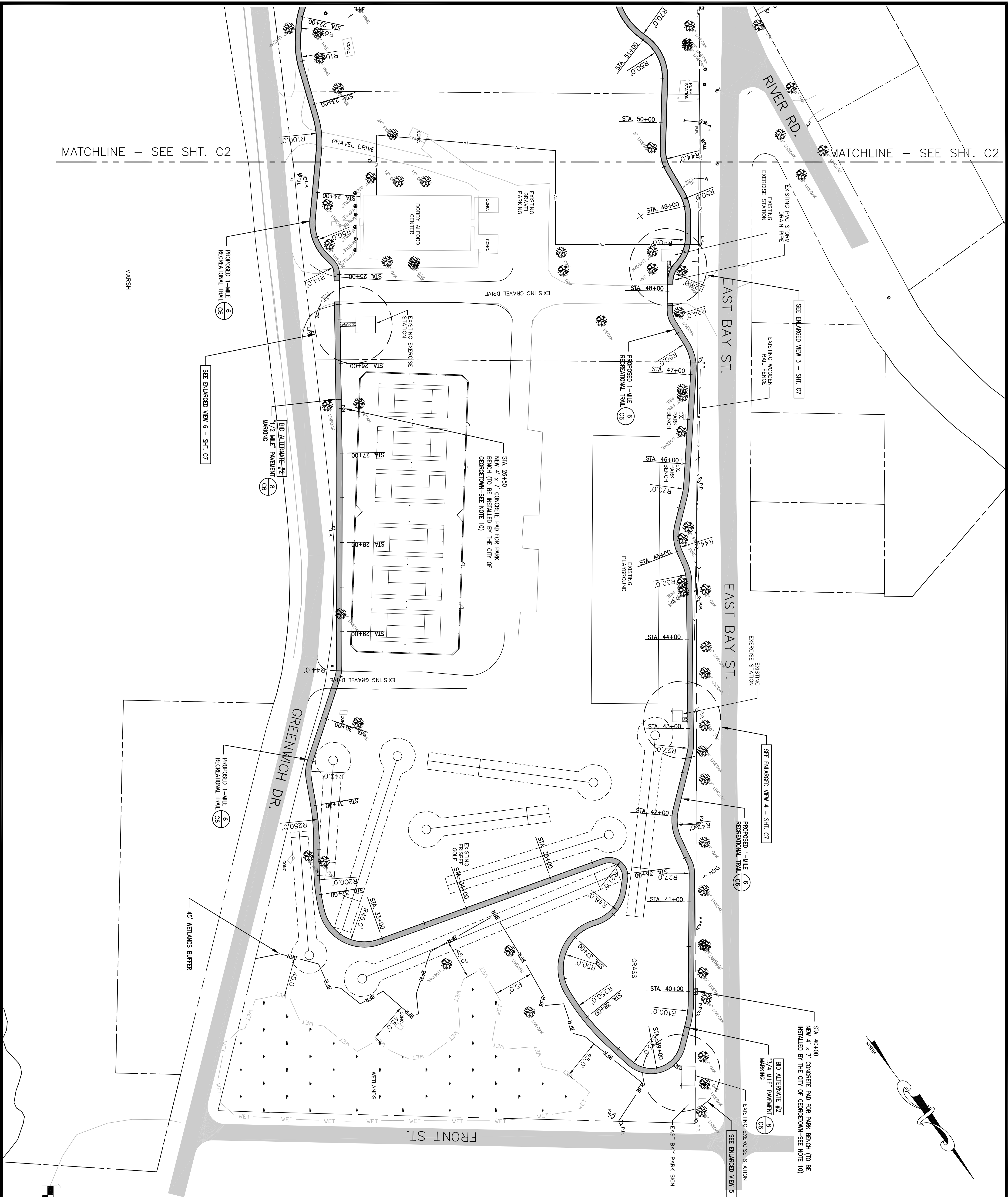
DRAWN BY: BC CHK'D BY: BC
 DATE: 5/9/17 REV: 2/14/18
 SCALE(S) SHOWN: PROJ.# C1701
 FILE/CV-SEP REC TRAIL.dwg
 SHEET NUMBER: **C2**

CAGLE CONSULTING ENGINEERS, LLC
PLANNING & DESIGN

1937 W. Palmetto St., Box 123, Florence, South Carolina 29501
 Ph. (843) 495-7452 bcagle.civilenr@gmail.com

Professional Engineer Seal for Bryan Cagle, License No. 3594, State of South Carolina. The seal is circular and includes the text 'SOUTH CAROLINA ENGINEERS' and 'BRYAN CAGLE'.

Professional Engineer Seal for Cagle Consulting Engineers, LLC, License No. 19287, State of South Carolina. The seal is circular and includes the text 'SOUTH CAROLINA ENGINEERS' and 'CAGLE CONSULTING ENGINEERS, LLC'.



MATCHLINE - SEE SHT. C2

MATCHLINE - SEE SHT. C2

STA 40+00
NEW 4' x 7' CONCRETE PAD FOR PARK BENCH (TO BE INSTALLED BY THE CITY OF GEORGETOWN-SEE NOTE 10)

BID ALTERNATE #2
3/4 MILE PAVEMENT
CS

SEE ENLARGED VIEW 5 - SHT. C7

EXISTING EXERCISE STATION

EXISTING EXERCISE STATION

EXISTING EXERCISE STATION

EXISTING EXERCISE STATION

EXISTING EXERCISE STATION

EXISTING EXERCISE STATION

EXISTING EXERCISE STATION

EXISTING EXERCISE STATION

EXISTING EXERCISE STATION

EXISTING EXERCISE STATION

EXISTING EXERCISE STATION

EXISTING EXERCISE STATION

EXISTING EXERCISE STATION

EXISTING EXERCISE STATION

EXISTING EXERCISE STATION

EXISTING EXERCISE STATION

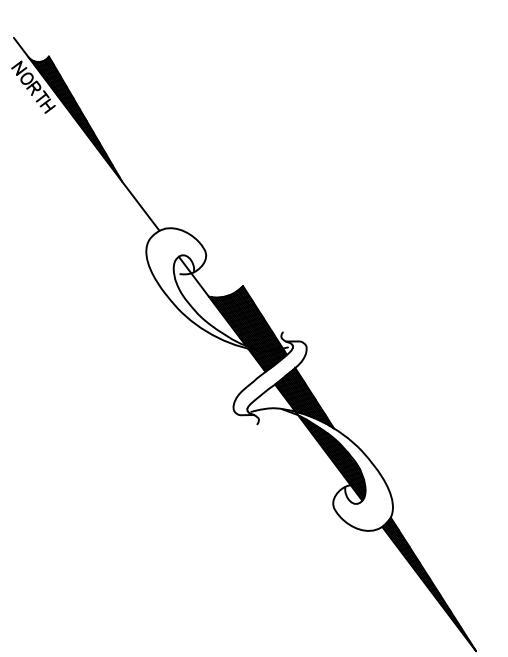
EXISTING EXERCISE STATION

EXISTING EXERCISE STATION

EXISTING EXERCISE STATION

EXISTING EXERCISE STATION

EXISTING EXERCISE STATION



South Carolina 811
 CALL 811 - BEFORE YOU DIG
 AT LEAST 3 DAYS (72 HOURS) BEFORE DIGGING,
 CALL 811
 or CALL TOLL-FREE:
 1-888-271-7877
 or SUBMIT A LOCATE REQUEST ONLINE AT www.sc811.com

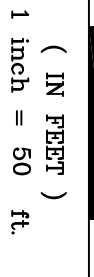
THE UTILITIES SHOWN ON THESE DRAWINGS ARE SHOWN FOR THE CONTRACTOR'S CONVENIENCE ONLY. THERE MAY BE OTHER UTILITIES, UNDERGROUND OR OVERHEAD, NOT SHOWN ON THESE PLANS. CAGLE CONSULTING ENGINEERS, LLC ASSUMES NO RESPONSIBILITY FOR THE ACCURACY OF THE LOCATIONS SHOWN AND IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO VERIFY THE HORIZONTAL AND VERTICAL LOCATIONS OF ALL UTILITIES WITHIN THE LIMITS OF THE WORK PRIOR TO STARTING ANY EXCAVATION ACTIVITIES. ANY DAMAGES TO EXISTING UTILITIES SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR.

EXISTING	NEW

GENERAL NOTES

- DIMENSIONS SHOWN ARE TO FACE OF WALL, BACK OF CURB OR EDGE OF ROAD/PAVEMENT, WHICHEVER IS APPLICABLE.
- CONTRACTOR SHALL NOTIFY ALL UTILITY COMPANIES HAVING UNDERGROUND UTILITIES ON SITE OR IN RIGHT-OF-WAY PRIOR TO EXCAVATION. CONTRACTOR SHALL CONTACT UTILITY LOCATING COMPANY TO HAVE ALL UTILITIES MARKED PRIOR TO CONSTRUCTION. THE CONTRACTOR IS RESPONSIBLE FOR VERIFYING THE LOCATION AND DEPTH OF ALL UTILITIES IN THE PROJECT AREA BEFORE EXCAVATING.
- CONTRACTOR SHALL TAKE EXTREME CAUTION TO PROTECT EXISTING UTILITIES. NOTIFY THE ENGINEER PRIOR TO BEGINNING CONSTRUCTION. CALL BRYAN OGLE AT 843-495-7432.
- ALL NEW PAVEMENTS SHALL HAVE A STRAIGHT, CLEAN AND VERTICAL EDGE FOR PLACEMENT AND SHALL BE COMPACTED ACCORDING TO SPECIFICATIONS WHERE NEW PAVEMENTS ADJACENT TO EXISTING PAVEMENTS OR SPREADS. ALL SIGNAL OR CONCRETE SHALL BE PLACED, CURBED OR FINISHED TO MATCH EXISTING PAVEMENTS. CONTRACTOR SHALL BE RESPONSIBLE TO CLEAN OR REPLACE EXISTING PAVEMENTS OR STRUCTURES IF THIS OCCURS.
- REFER TO OTHER CIVIL SHEETS FOR ADDITIONAL NOTES AND DETAILS.
- PROPOSED BOAT TRAILER PARKING AND OPEN GRASS AREAS SHOWN SHALL BE CONSTRUCTED BY OTHERS UNDER A SEPARATE CONTRACT.
- PROPOSED RESTROOM FACILITY BUILDING SHOWN SHALL BE CONSTRUCTED BY OTHERS UNDER A SEPARATE CONTRACT.
- NEW TENNIS COURTS ARE TO BE CONSTRUCTED BY OTHERS UNDER A SEPARATE CONTRACT.
- THE RECREATIONAL TRAIL CONTRACTOR SHALL COORDINATE WITH OTHER CONTRACTORS OF SEPARATE PROJECTS TO AVOID INTERFERENCE WITH OTHER WORK THAT MAY BE ONGOING AT THE SAME TIME.
- THE CITY OF GEORGETOWN WILL INSTALL NEW 4'x7' CONCRETE PADS, PARK BENCHES AND 4" WIDE GRAVEL FRAMES TO EXISTING EXERCISE STATIONS AFTER THE RECREATIONAL TRAIL IS COMPLETE.

GRAPHIC SCALE

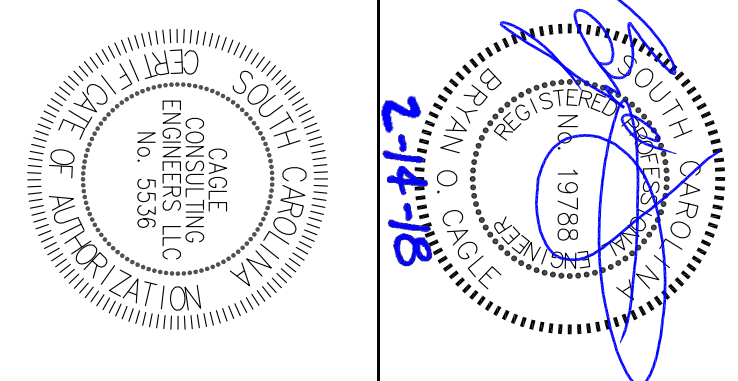
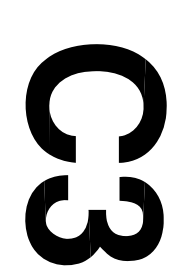


EAST BAY PARK RECREATIONAL TRAIL
 PROJECT NO. 1206
 CITY OF GEORGETOWN, SC

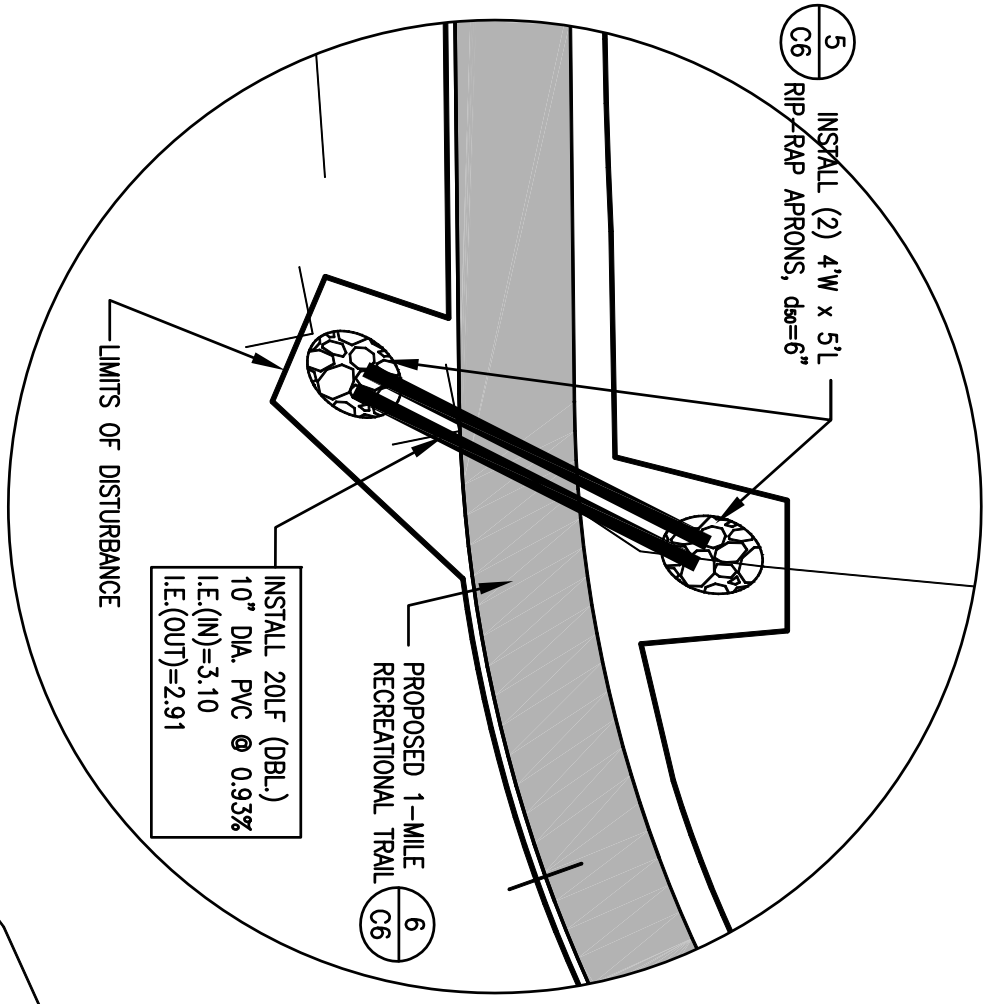
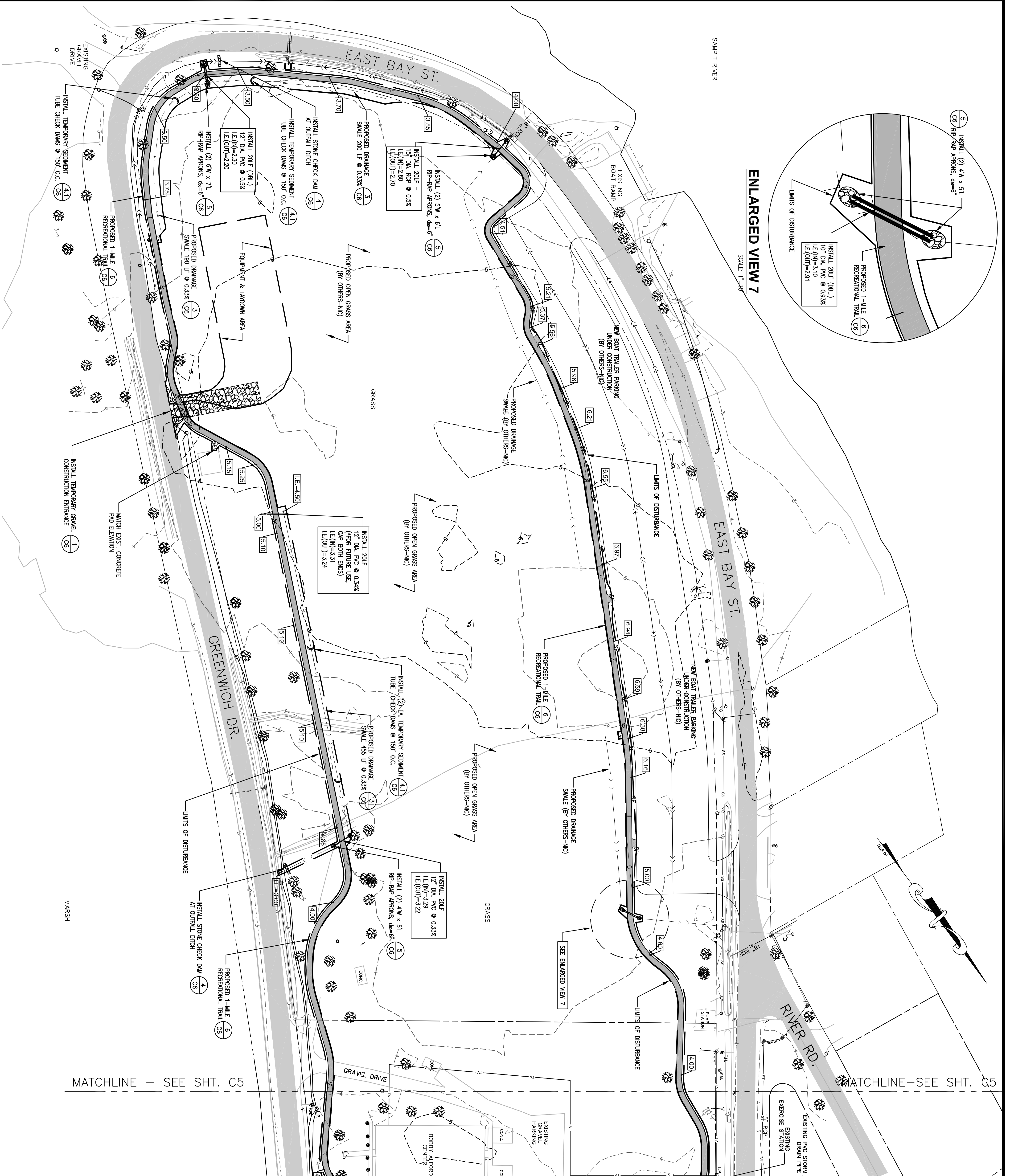
PROPOSED SITE PLAN (2 OF 2)

REV	DESCRIPTION	BY
0	ISSUED FOR CONSTRUCTION	BC

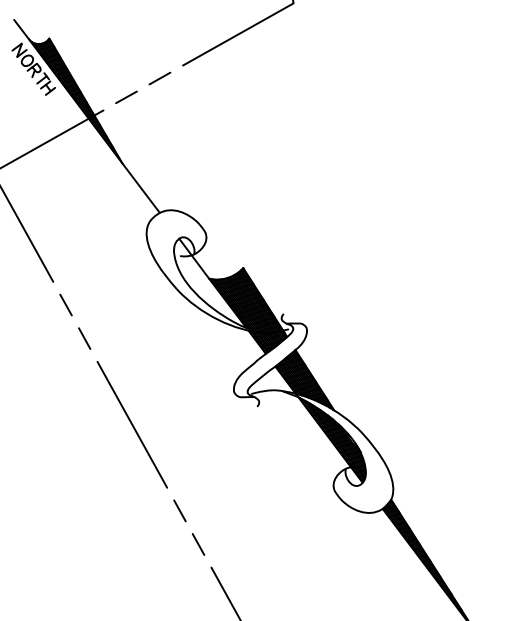
DRAWN BY: BC CHK'D BY: BC
 DATE: 4/28/17 REV: 2/14/18
 SCALE(S) SHOWN: PROJ.#: C1701
 FILE/CV-EBP REC TRAIL.dwg
 SHEET NUMBER:



CAGLE CONSULTING ENGINEERS, LLC
 PLANNING & DESIGN
 1937 W. Palmetto St., Box 123, Florence, South Carolina 29501
 Ph. (843) 495-7452 bcagle.civilenr@gmail.com

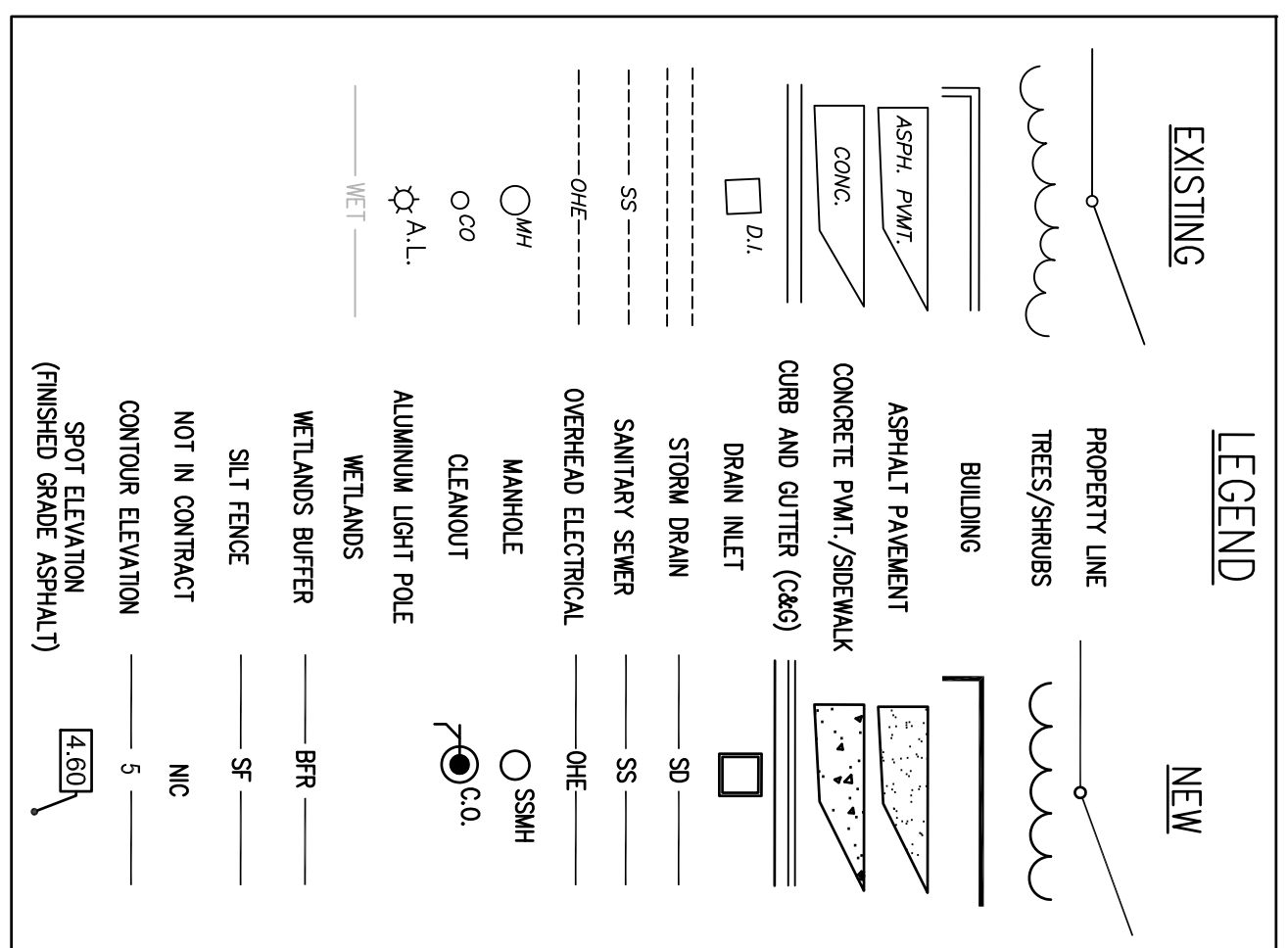


ENLARGED VIEW 7
SCALE: 1"=40'



GRADING NOTES

1. THE CONTRACTOR SHALL VERIFY THE LOCATION OF ALL UNDERGROUND UTILITIES BY CALLING SOUTH CAROLINA 811 AT 811 OR 1-888-721-7877 AT LEAST THREE (3) DAYS PRIOR TO CONSTRUCTION.
2. THE CONTRACTOR SHALL NOTIFY THE ENGINEER FOR A REVIEW SHOULD ANY DISCREPANCIES BE DISCOVERED AT THE SITE OR ON THE DRAWINGS.
3. EARTHWORK SHALL BE TO THE GRADES AND LINES SHOWN. COMPACTION TESTS SHALL BE ACCOMPLISHED IN THE FIELD TO TEST ALL AREAS. COMPACTION TESTS WILL BE CONDUCTED AT THE CONTRACTOR'S EXPENSE. RETESTING WILL BE CONDUCTED, IF REQUIRED, DUE TO POOR COMPACTION.
4. ALL SOFT SPOTS SHALL BE STABILIZED BY FURTHER COMPACTIVE EFFORT OR UNDERLAY AND BACKFILLED WITH COMPACTED STRUCTURAL FILL MATERIAL.
5. ALL NEW ELEVATIONS SHOWN ARE FINISH ELEVATIONS. THE GRADING CONTRACTOR SHALL DETAIL THE APPROPRIATE AMOUNT FOR THE SUBGRADE.
6. CONTRACTOR SHALL REMOVE TOPSOIL AS NECESSARY (SEE SOILS REPORT FOR TOPSOIL THICKNESS) TO PROVIDE ADEQUATE SUBGRADE FOR RECREATIONAL TRAIL.
7. TWELVE INCHES (12") OF SUBGRADE SHALL BE COMPACTED TO AT LEAST 95% OF MAXIMUM DRY DENSITY AS DETERMINED BY THE STANDARD PROCTOR (ASTM D-698).
8. ASPHALT PAVING SECTIONS SHALL BE CONSTRUCTED WITH A CRUSHED STONE BASE COURSE IN CONFORMANCE WITH SCOT STANDARD SPECIFICATION NO. 305-GRADED AGGREGATE BASE AND A COMPACTED ASPHALT SURFACE COURSE IN CONFORMANCE WITH SCOT STANDARD SPECIFICATION NO. 403-HMA SURFACE COURSE. SEE ASPHALT PAVEMENT DETAILS FOR THICKNESS OF SURFACE COURSE.
9. THE CONTRACTOR SHALL COORDINATE WITH THE OWNER FOR COMPACTION TESTS.
10. ALL PVC DRAINAGE PIPE SHALL BE SCHEDULE 40 WHITE PVC, UNLESS OTHERWISE NOTED, OR APPROVED EQUAL, AND SHALL CONFORM TO ASTM D1785.
11. ALL EROSION CONTROL MEASURES SHOWN AND STATED ON THIS PLAN ARE TO BE IMPLEMENTED THROUGH FINAL INSPECTION.
12. STANDING GRASS MUST BE EVIDENT IN SEEDED AREAS BEFORE FINAL APPROVAL.
13. CONTRACTOR SHALL ARRANGE FOR COMPACTION TESTS AND SUPPLY RESULTS TO THE ENGINEER BEFORE ANY PRELIMINARY AND/OR FINAL APPROVALS.
14. DISTURBED AREA = 1.75 AC.



South Carolina 811
BEFORE YOU DIG
CALL 811
AT LEAST 3 DAYS (72 HOURS) BEFORE DIGGING.
or CALL TOLL-FREE:
1-888-721-7877
or VISIT A LOCATE REQUEST ONLINE AT www.sc811.com

THE UTILITIES SHOWN ON THESE DRAWINGS ARE SHOWN FOR THE CONTRACTOR'S CONVENIENCE ONLY. THERE MAY BE OTHER UTILITIES, UNDERGROUND OR OVERHEAD, NOT SHOWN ON THESE PLANS. THE ENGINEER ASSUMES NO RESPONSIBILITY FOR THE ACCURACY OF THE LOCATIONS SHOWN AND IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO VERIFY THE LOCATION OF ALL UTILITIES WITHIN THE LIMITS OF THE WORK. ALL DAMAGE TO EXISTING UTILITIES AND LOST WORK PRODUCTION CAUSED BY THE CONTRACTOR SHALL BE THE SOLE RESPONSIBILITY OF THE CONTRACTOR.

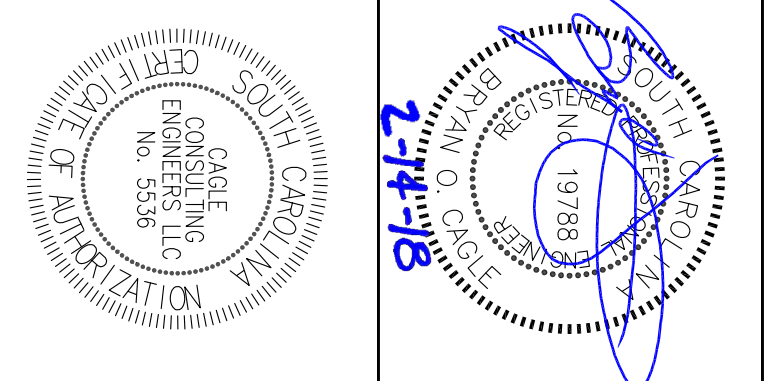


EAST BAY PARK RECREATIONAL TRAIL
PROJECT NO. 1206
CITY OF GEORGETOWN, SC

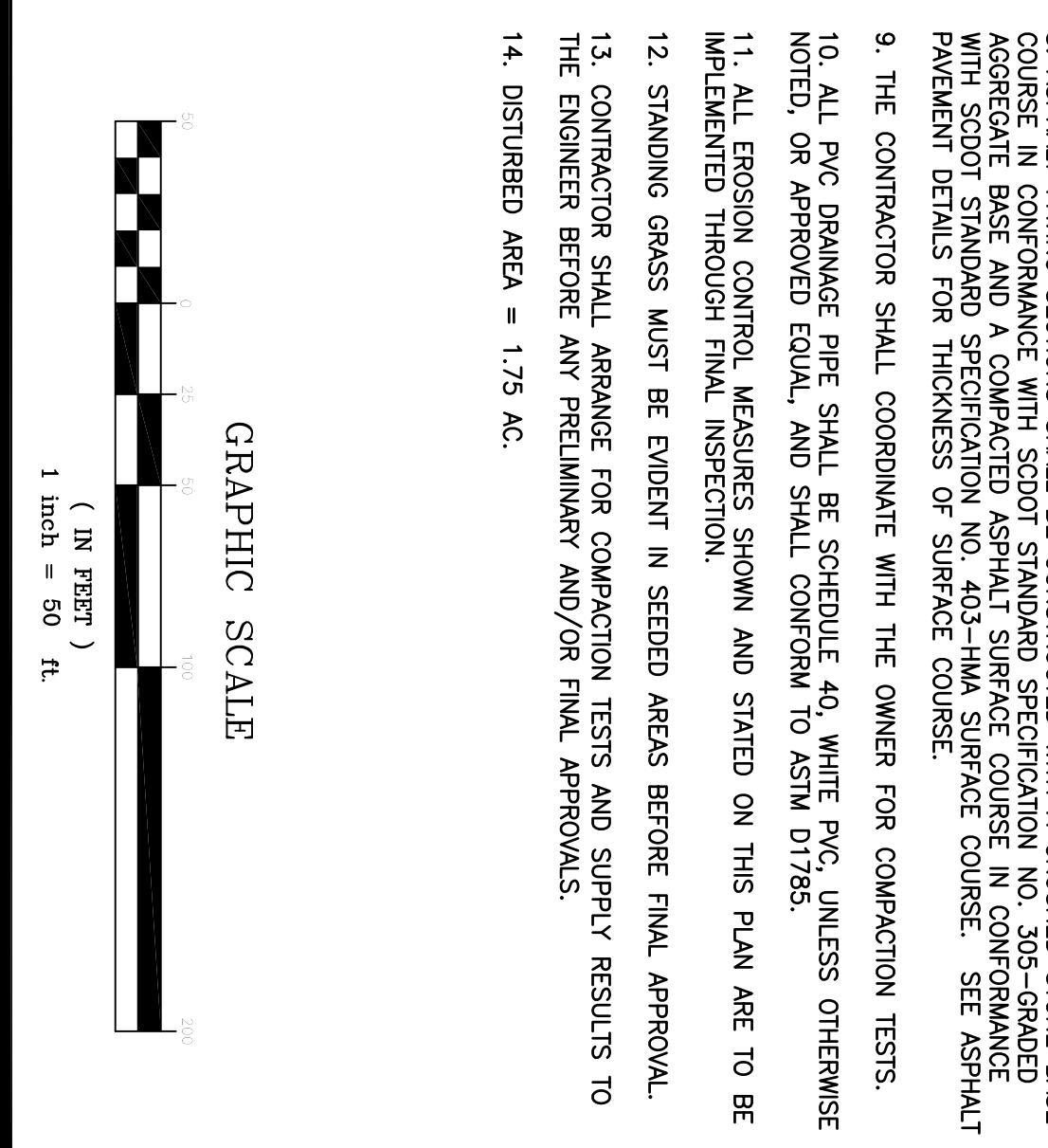
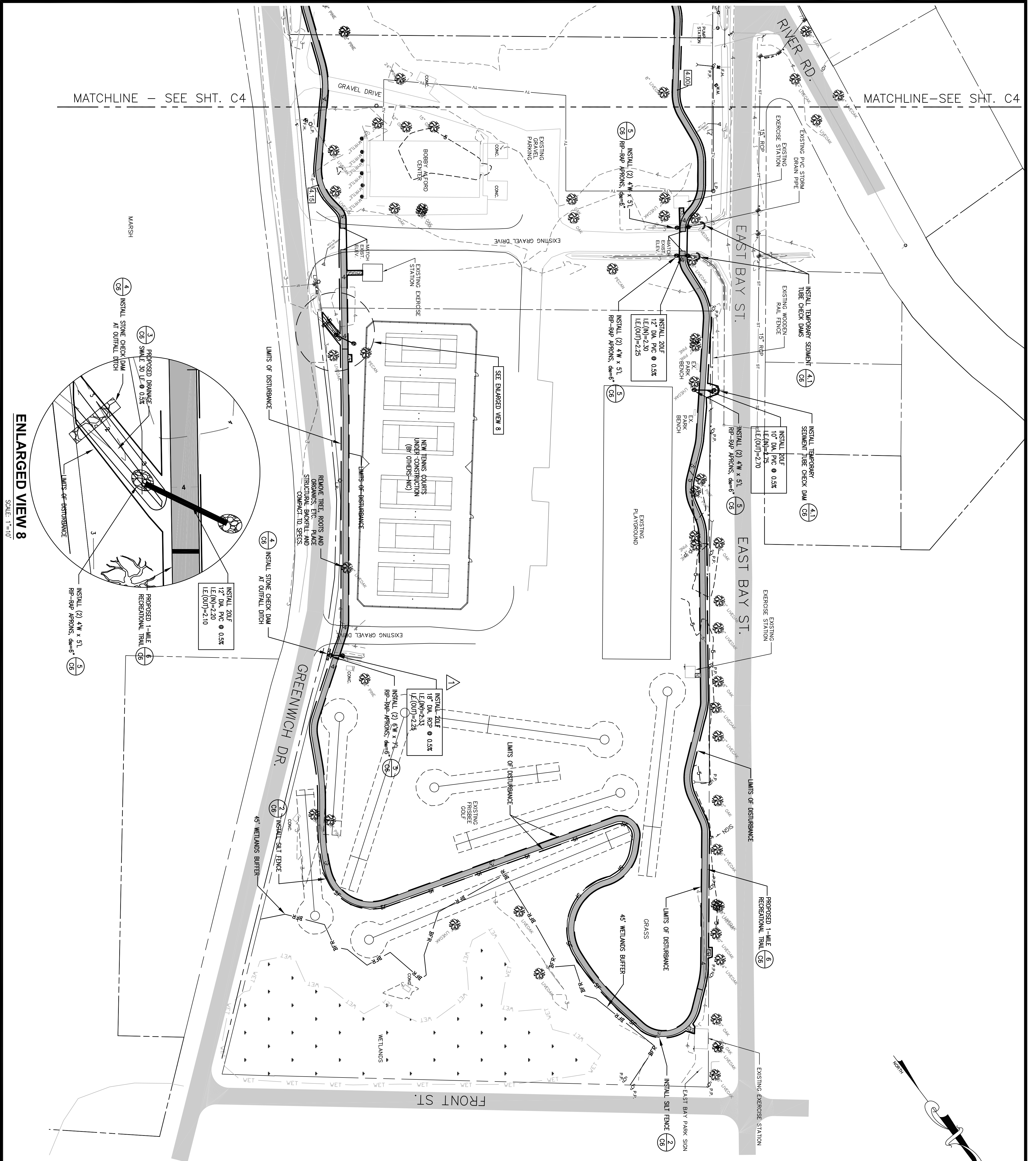
GRADING & EROSION CONTROL PLAN
(1 OF 2)

REV	DESCRIPTION	BY
0	ISSUED FOR CONSTRUCTION	BC

DRAWN BY: BC CHK'D BY: BC
 DATE: 5/5/17 REV: 2/14/18
 SCALE(S) SHOWN: PROJ.# C1701
 FILE/CV-ERP_REC_TRAIL.dwg
 SHEET NUMBER: **C4**



CAGLE CONSULTING ENGINEERS LLC
PLANNING & DESIGN
1937 W. Palmetto St., Box 123, Florence, South Carolina 29501
Ph. (843) 495-7452 bcagle.civilenr@gmail.com



GRADING & EROSION CONTROL PLAN (2 OF 2)

REV	DESCRIPTION
0	ISSUED FOR CONSTRUCTION
1	REVERSED PILE TO 'RCP'

DRAWN BY: BC, CHK'D BY: BC
 DATE: 4/28/17 REV: 3/1/18
 SCALE(S) SHOWN: PROJ.# C1701
 FILE/CV-EBP REC TRAIL.dwg
 SHEET NUMBER: **C5**

- GRADING NOTES**
1. THE CONTRACTOR SHALL VERIFY THE LOCATION OF ALL UNDERGROUND UTILITIES BY CALLING "SOUTH CAROLINA 811" AT 811 OR 1-888-721-7877 AT LEAST THREE (3) DAYS PRIOR TO CONSTRUCTION.
 2. THE CONTRACTOR SHALL NOTIFY THE ENGINEER FOR A REVIEW SHOULD ANY DISCREPANCIES BE DISCOVERED AT THE SITE OR ON THE DRAWINGS.
 3. EARTHWORK SHALL BE TO THE GRADES AND LINES SHOWN. COMPACTION TESTS SHALL BE CONDUCTED AT THE CONTRACTOR'S EXPENSE. COMPACTION TESTS WILL BE REQUIRED DUE TO POOR COMPACTION.
 4. ALL SOFT SPOTS SHALL BE STABILIZED BY FURTHER COMPACTIVE EFFORT OR UNDERDUT AND BACKFILLED WITH COMPACTED STRUCTURAL FILL MATERIAL.
 5. ALL NEW ELEVATIONS SHOWN ARE FINISH ELEVATIONS. THE GRADING CONTRACTOR SHALL DEDUCT THE APPROPRIATE AMOUNT FOR THE SUBGRADE.
 6. CONTRACTOR SHALL REMOVE TOPSOIL AS NECESSARY. (SEE SOILS REPORT FOR TOPSOIL THICKNESS) TO PROVIDE ADEQUATE SUBGRADE FOR RECREATIONAL TRAIL.
 7. TWELVE INCHES (12") OF SUBGRADE SHALL BE COMPACTED TO AT LEAST 95% OF MAXIMUM DRY DENSITY AS DETERMINED BY THE STANDARD PROCTOR (ASTM D-698).
 8. ASPHALT PAVING SECTIONS SHALL BE CONSTRUCTED WITH A CRUSHED STONE BASE COURSE IN ACCORDANCE WITH STANDARD SPECIFICATION NO. 200. STANDARD CONCRETE SHALL BE CONSTRUCTED IN ACCORDANCE WITH STANDARD SPECIFICATION NO. 403-HMA SURFACE COURSE. SEE ASPHALT PAVEMENT DETAILS FOR THICKNESS OF SURFACE COURSE.
 9. THE CONTRACTOR SHALL COORDINATE WITH THE OWNER FOR COMPACTION TESTS.
 10. ALL PVC DRAINAGE PIPE SHALL BE SCHEDULE 40 WHITE PVC, UNLESS OTHERWISE NOTED, OR APPROVED EQUAL, AND SHALL CONFORM TO ASTM D1735.
 11. ALL EROSION CONTROL MEASURES SHOWN AND STATED ON THIS PLAN ARE TO BE IMPLEMENTED THROUGH FINAL INSPECTION.
 12. STANDING GRASS MUST BE EVIDENT IN SEEDED AREAS BEFORE FINAL APPROVAL.
 13. CONTRACTOR SHALL ARRANGE FOR COMPACTION TESTS AND SUPPLY RESULTS TO THE ENGINEER BEFORE ANY PRELIMINARY AND/OR FINAL APPROVALS.
 14. DISTURBED AREA = 1.75 AC.

LEGEND

EXISTING	NEW
PROPERTY LINE	PROPERTY LINE
TREES/SHRUBS	BUILDING
ASPHALT PAVEMENT	ASPHALT PAVEMENT
CONCRETE PAVEMENT/SIDEWALK	CONCRETE PAVEMENT/SIDEWALK
CHRB AND GUTTER (C&G)	CHRB AND GUTTER (C&G)
DRAIN INLET	DRAIN INLET
STORM DRAIN	STORM DRAIN
SANITARY SEWER	SANITARY SEWER
OVERHEAD ELECTRICAL	OVERHEAD ELECTRICAL
MANHOLE	MANHOLE
ALUMINUM LIGHT POLE	ALUMINUM LIGHT POLE
WETLANDS	WETLANDS
WETLANDS BUFFER	WETLANDS BUFFER
SILT FENCE	SILT FENCE
NOT IN CONTRACT	NOT IN CONTRACT
CANTOIR ELEVATION	CANTOIR ELEVATION
SPOT ELEVATION (FINISHED GRADE ASPHALT)	SPOT ELEVATION (FINISHED GRADE ASPHALT)

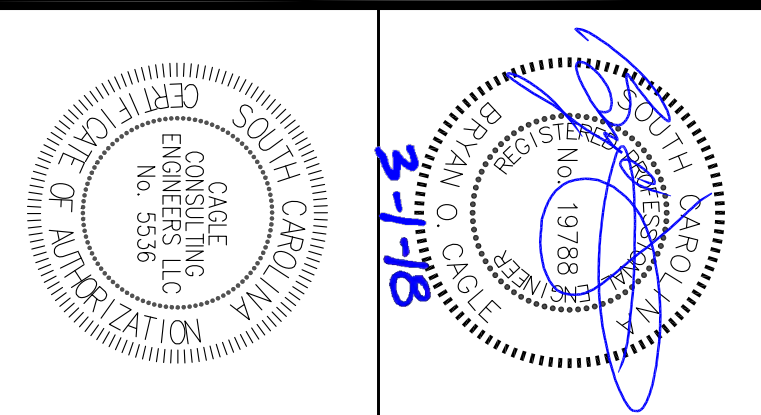
South Carolina 811
BEFORE YOU DIG

CALL 811

AT LEAST 3 DAYS (72 HOURS) BEFORE DIGGING,
 OR CALL TOLL-FREE:
 1-888-721-7877
 or SUBMIT A LOCATE REQUEST ONLINE AT www.sc811.com

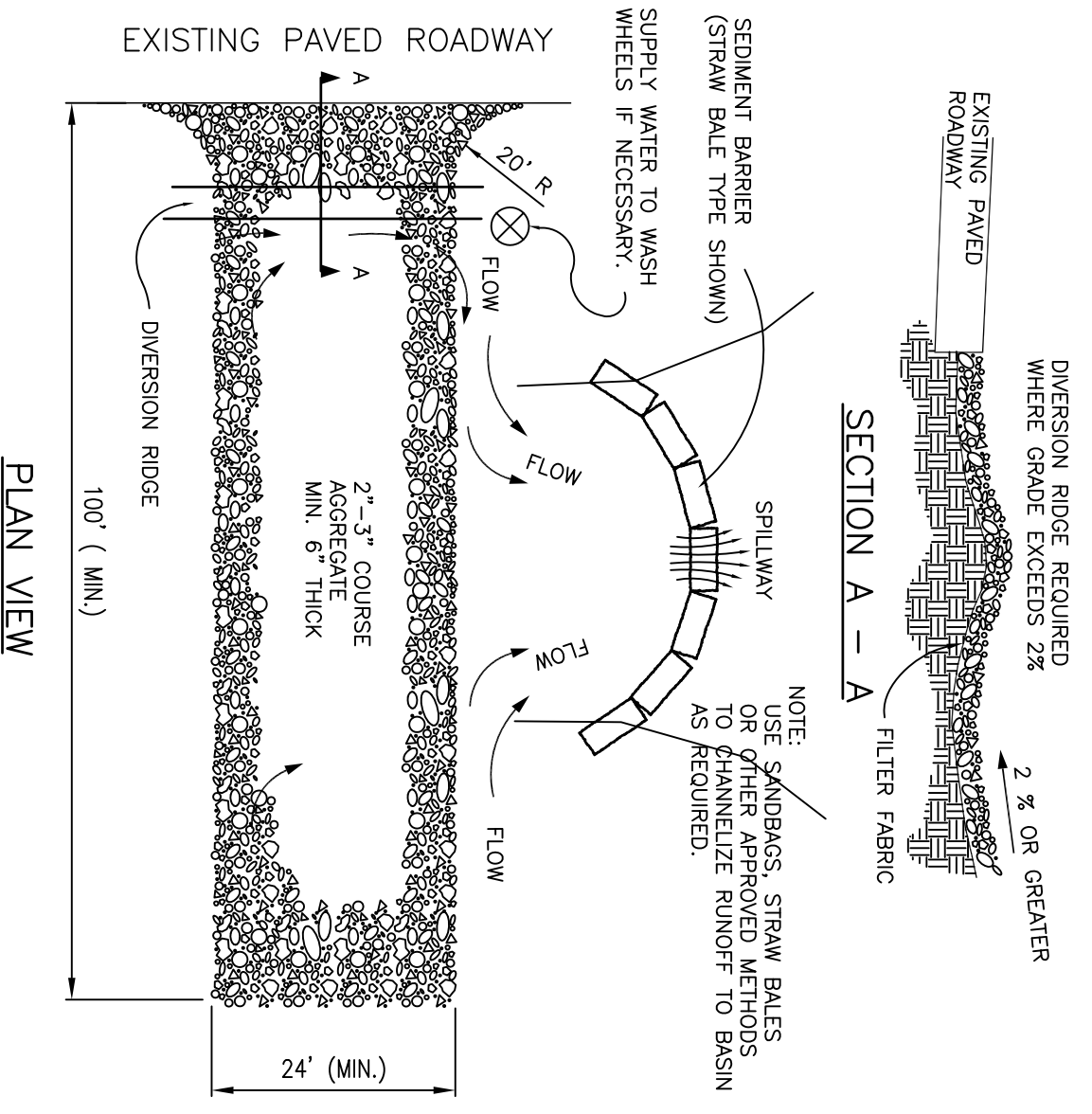
THE UTILITIES SHOWN ON THESE DRAWINGS ARE SHOWN FOR THE CONTRACTOR'S CONVENIENCE ONLY. THERE MAY BE OTHER UTILITIES, UNDERGROUND OR OVERHEAD, NOT SHOWN ON THESE PLANS. THE ENGINEER ASSUMES NO RESPONSIBILITY FOR THE ACCURACY OF THE LOCATIONS SHOWN AND IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO VERIFY THE LOCATION OF ALL UTILITIES PRIOR TO CONSTRUCTION AND TO STOP WORK PRODUCTION CAUSED BY THE CONTRACTOR SHALL BE THE SOLE RESPONSIBILITY OF THE CONTRACTOR.

EAST BAY PARK RECREATIONAL TRAIL
PROJECT NO. 1206
CITY OF GEORGETOWN, SC

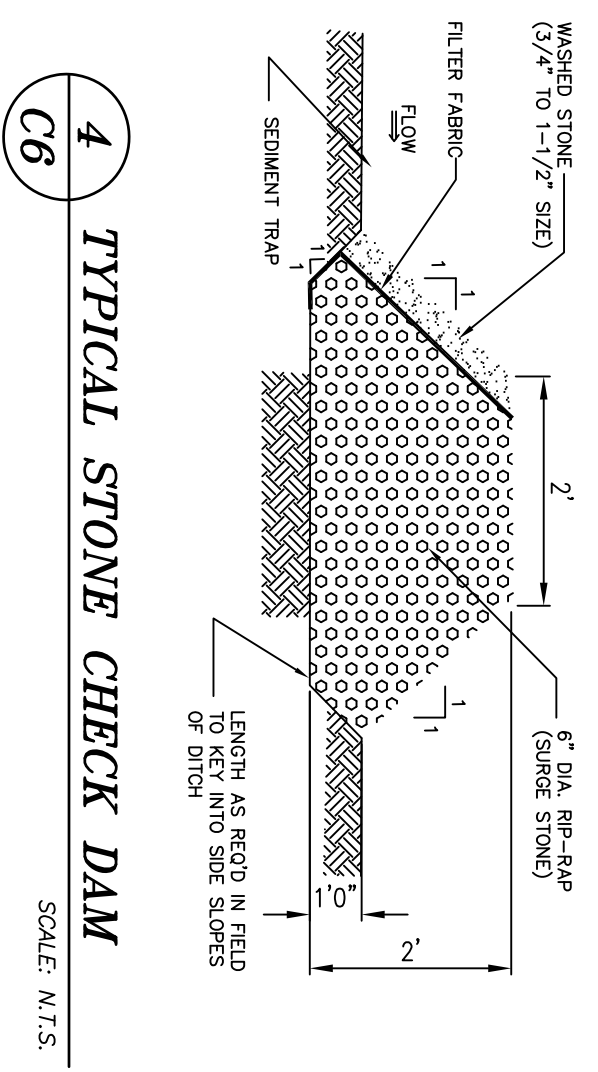


CAGLE CONSULTING ENGINEERS LLC
PLANNING & DESIGN

1937 W. Palmetto St., Box 123, Florence, South Carolina 29501
 Ph. (843) 495-7452
bcagle.civilenr@gmail.com

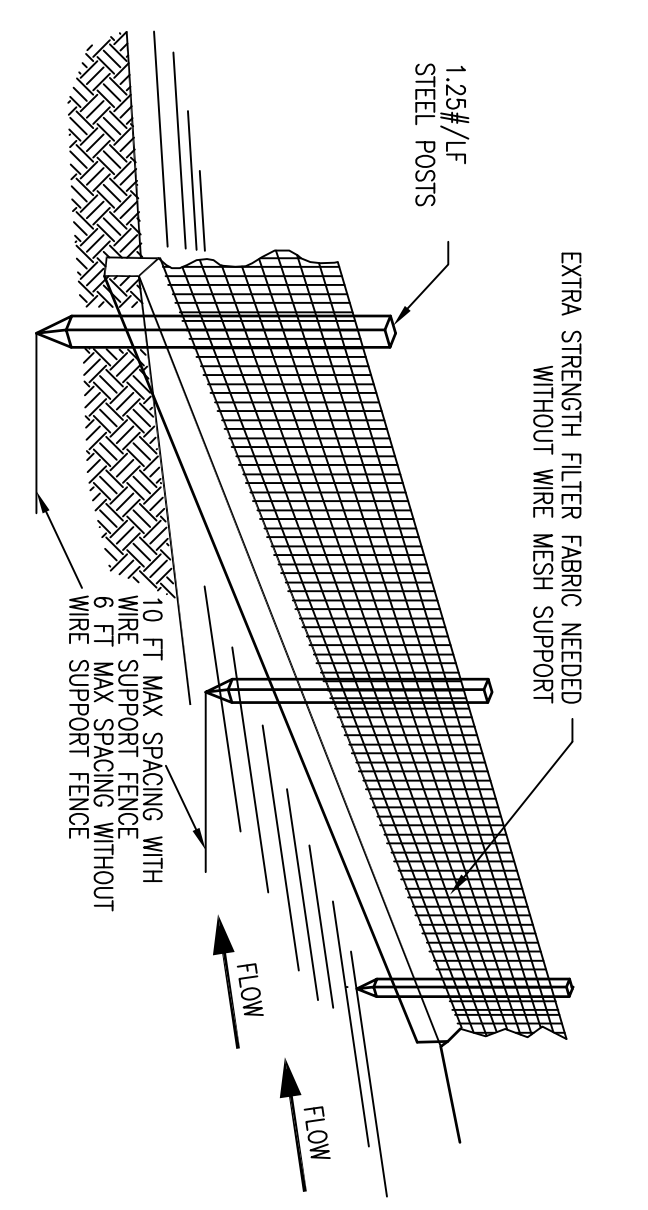


1 TEMPORARY GRAVEL CONSTRUCTION ENTRANCE
SCALE: N.T.S.



4 TYPICAL STONE CHECK DAM
SCALE: N.T.S.

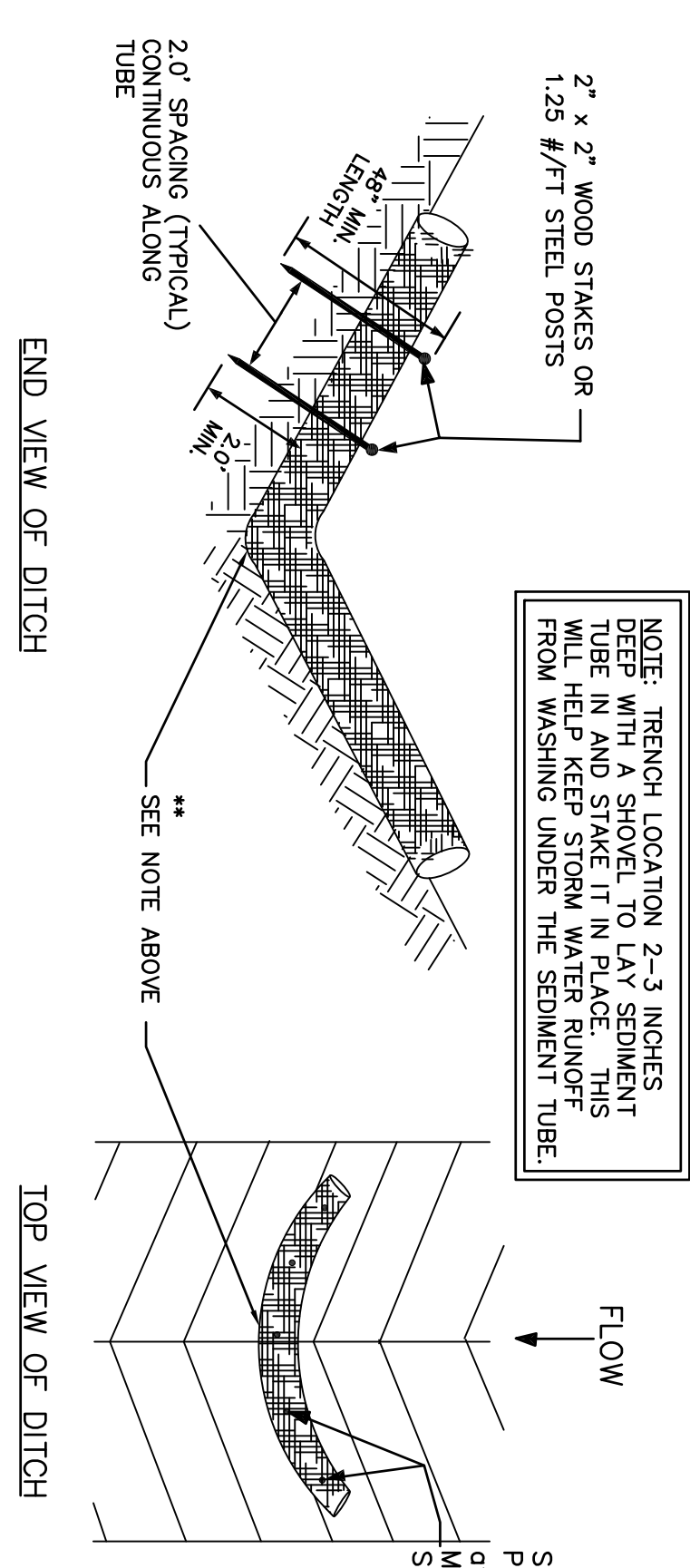
STONE CHECK DAM
Inspection and Maintenance:
 Check dams should be inspected every 7 calendar days and within 24 hours of any storm that produces 1/2" inches or more of rain effectiveness.
 Large debris, trash, and leaves should be removed.
 Remove accumulated sediment from the upstream side of the stone check dams when the sediment has reached a height of approximately one-third of the exposed height of the check dam (measured at the center).
 Accumulated sediment should be removed prior to removing check dams.
 Check Dam removal should be completed only after the contributing area has been completely stabilized. Permanent vegetation should replace areas from which gravel, stone, or other materials have been removed.



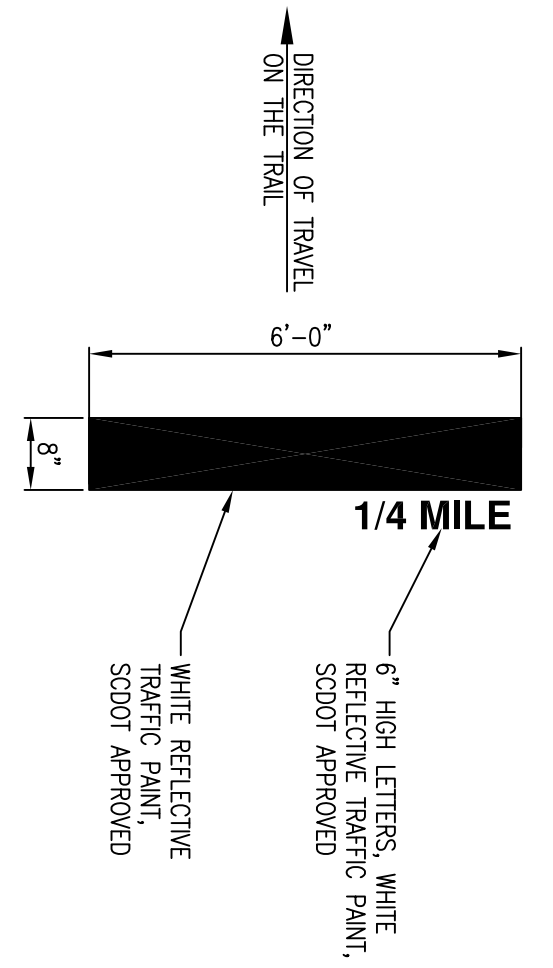
2 SLIT FENCE SEDIMENT BARRIER
SCALE: N.T.S.

MAXIMUM SLOPE AND SLOPE LENGTH FOR WHICH SLIT FENCE IS APPLICABLE:

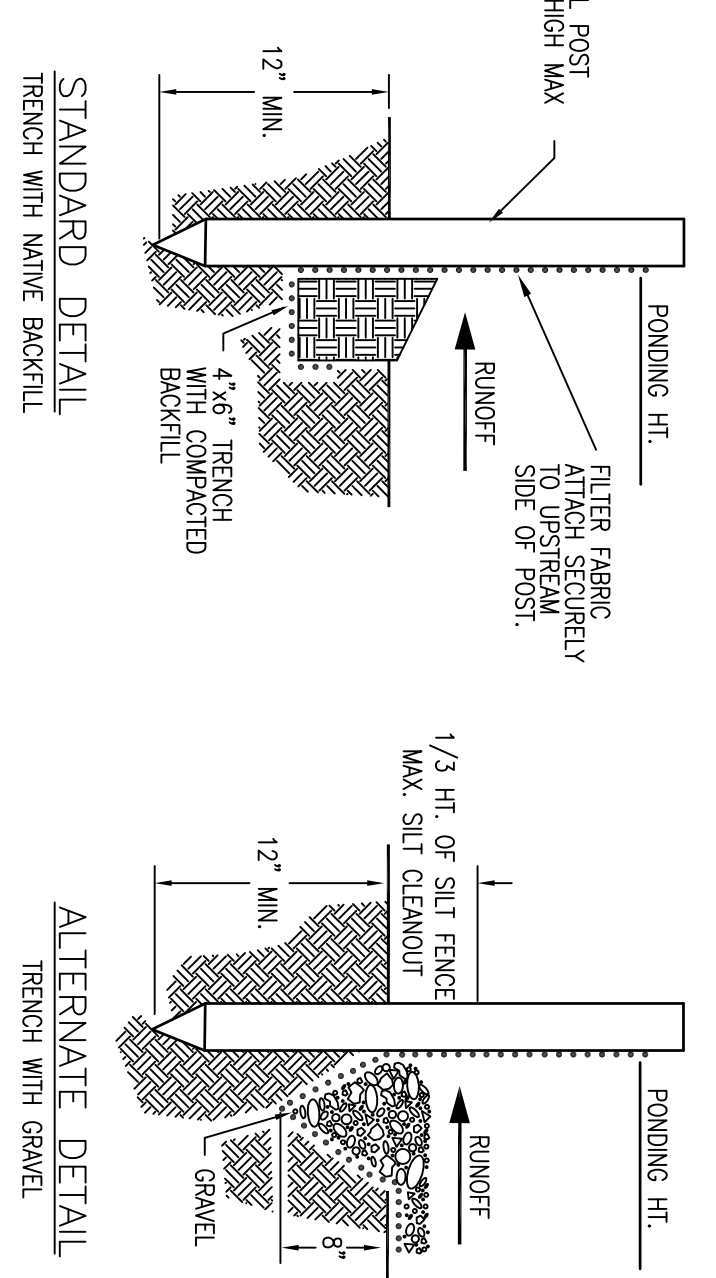
SLOPE	SLOPE LENGTH (FT)
< 2%	100
2 TO 5%	75
5 TO 10%	50
10 TO 20%	25
> 20%	10



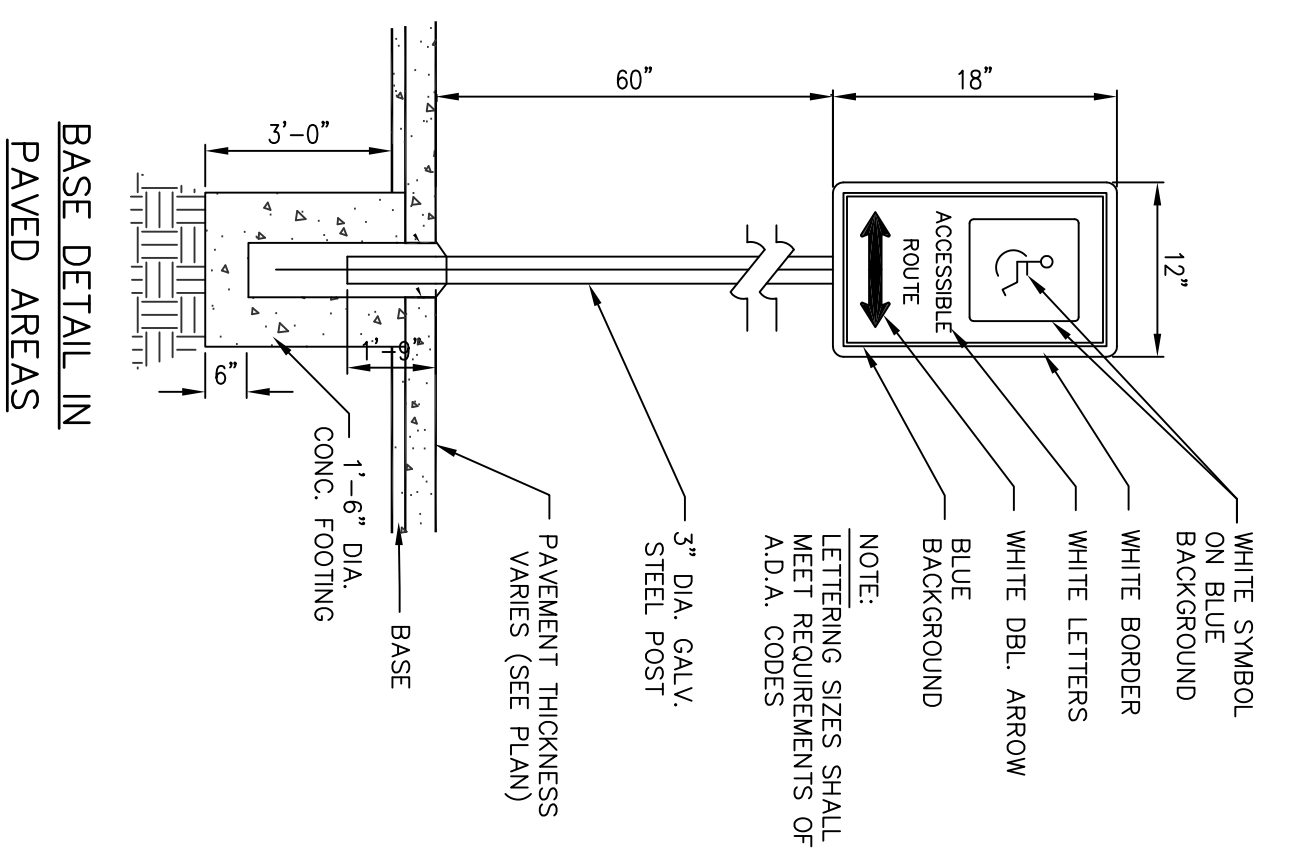
4.1 SEDIMENT TUBE CHECK DAMS
SCALE: N.T.S.



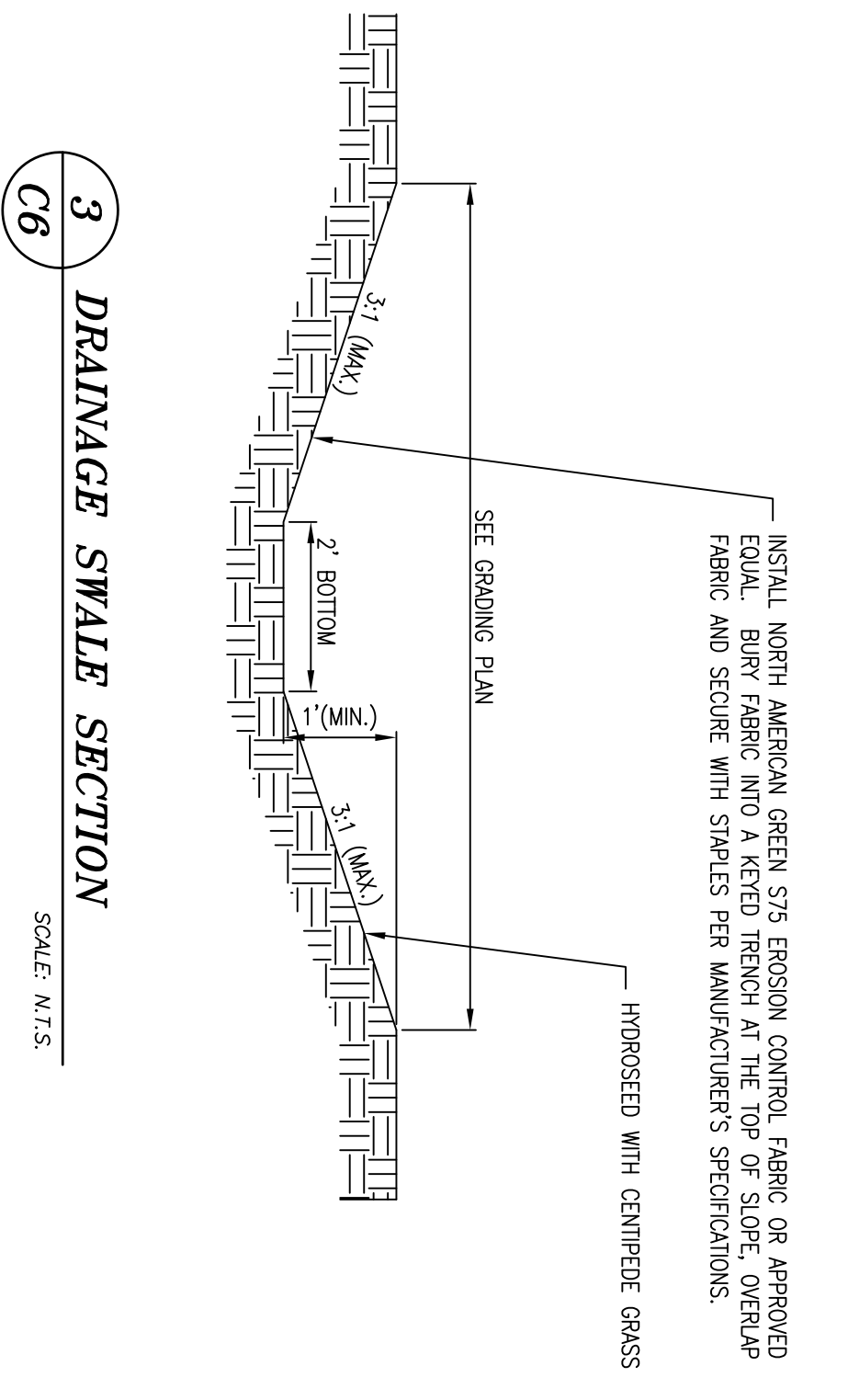
8 PAVEMENT MARKING
SCALE: N.T.S.



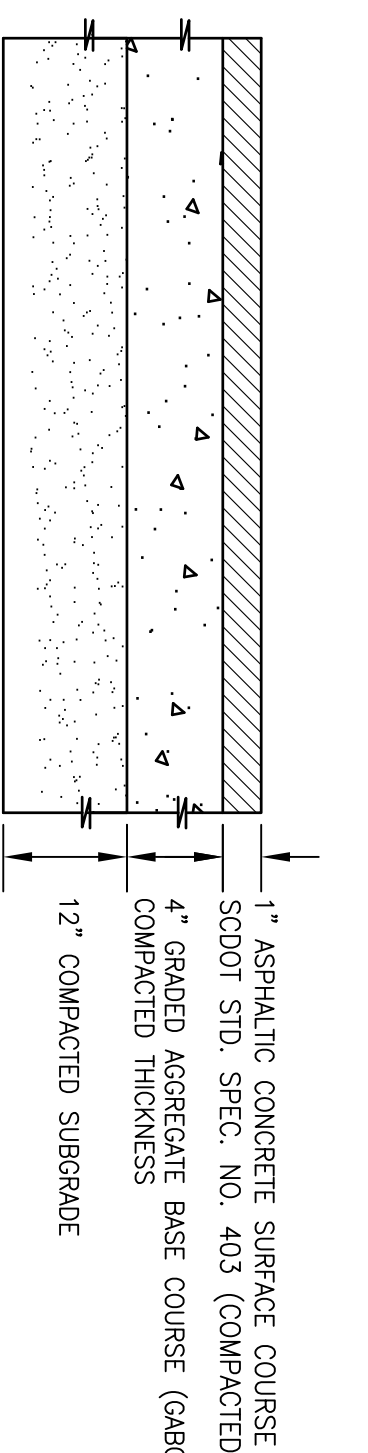
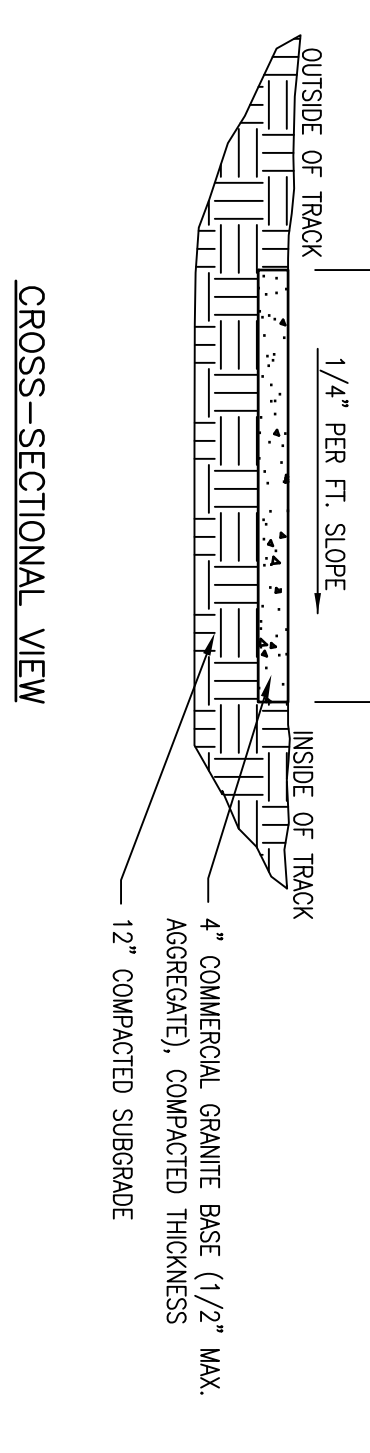
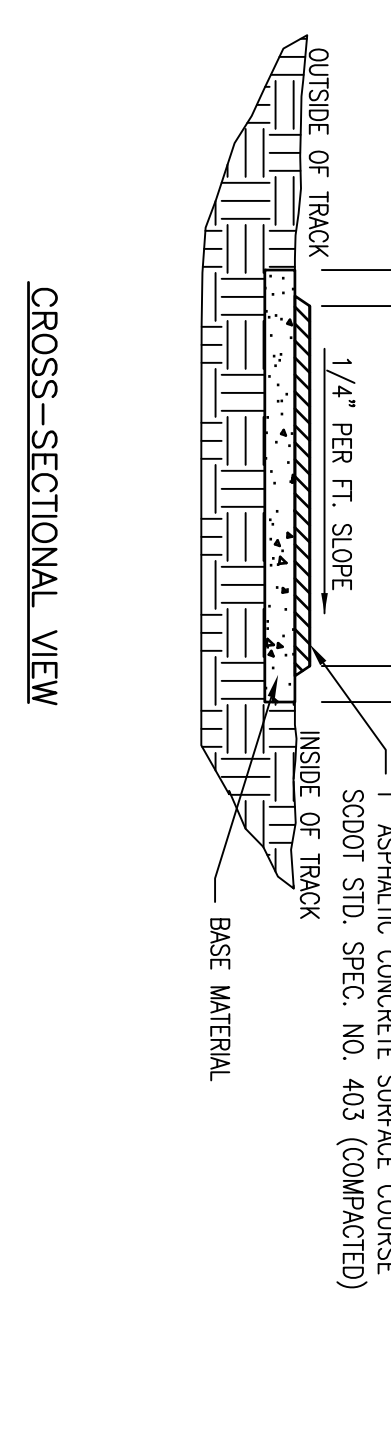
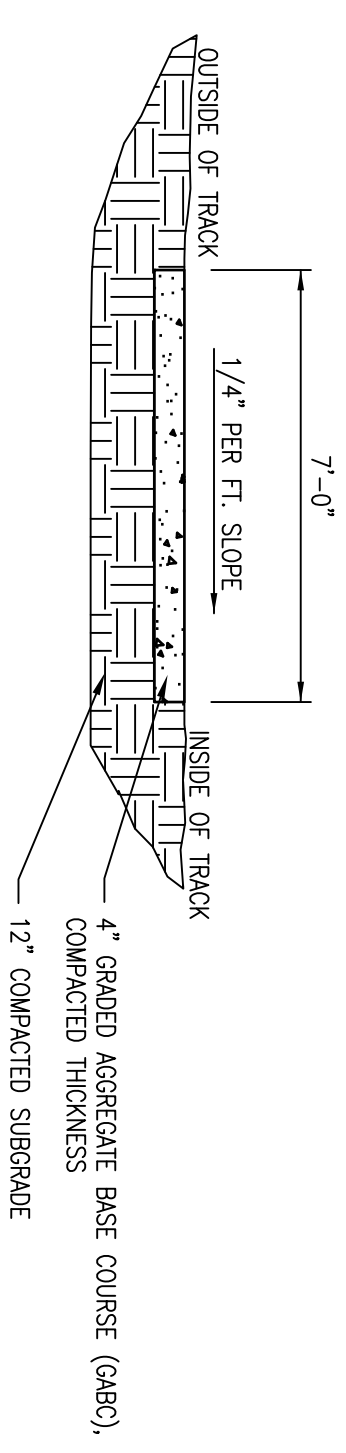
5 RIP RAP APRON ENERGY DISSIPATOR
SCALE: N.T.S.



10 ADA ACCESSIBLE SIGNAGE
SCALE: N.T.S.



3 DRAINAGE SWALE SECTION
SCALE: N.T.S.



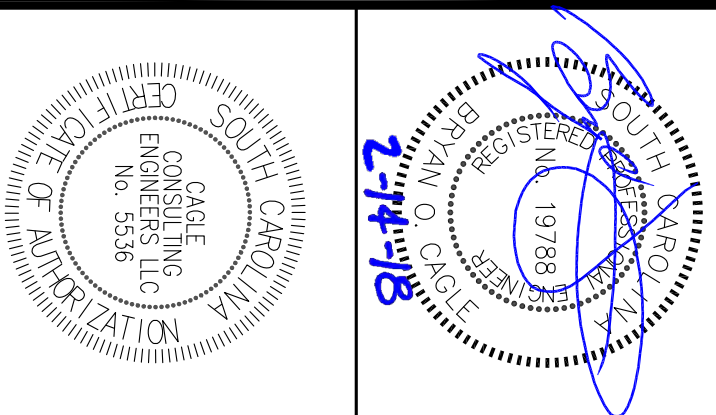
6 RECREATIONAL TRAIL
SCALE: N.T.S.

SITE DETAILS

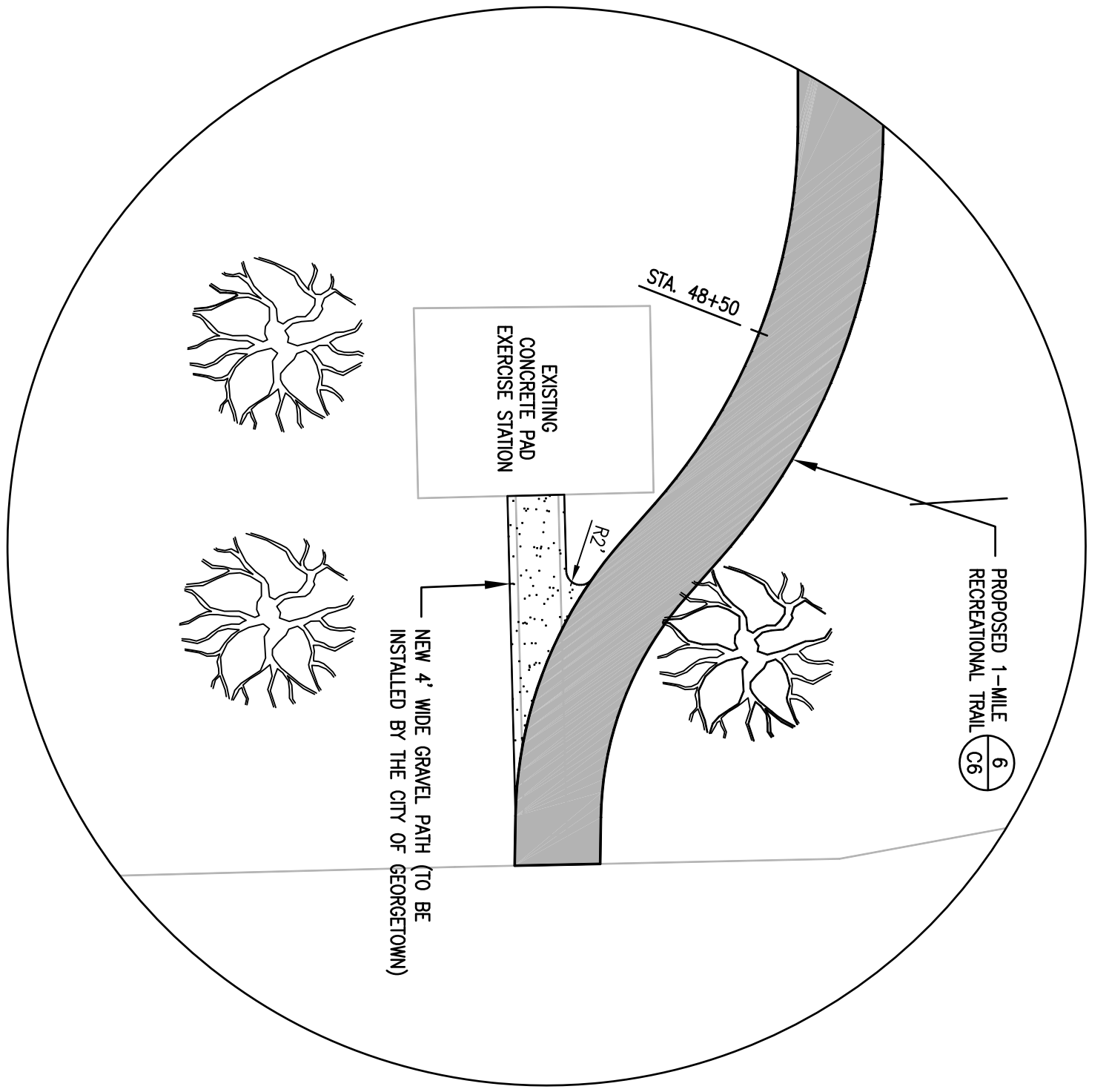
REV	DESCRIPTION	BY
0	ISSUED FOR CONSTRUCTION	BC

DRAWN BY: BC
 CHK'D BY: BC
 DATE: 5/5/17
 REV: 2/14/18
 SCALE(S) SHOWN: PROJ.# C1701
 FILE/CV-EBP_REC_TRAIL.dwg
 SHEET NUMBER:

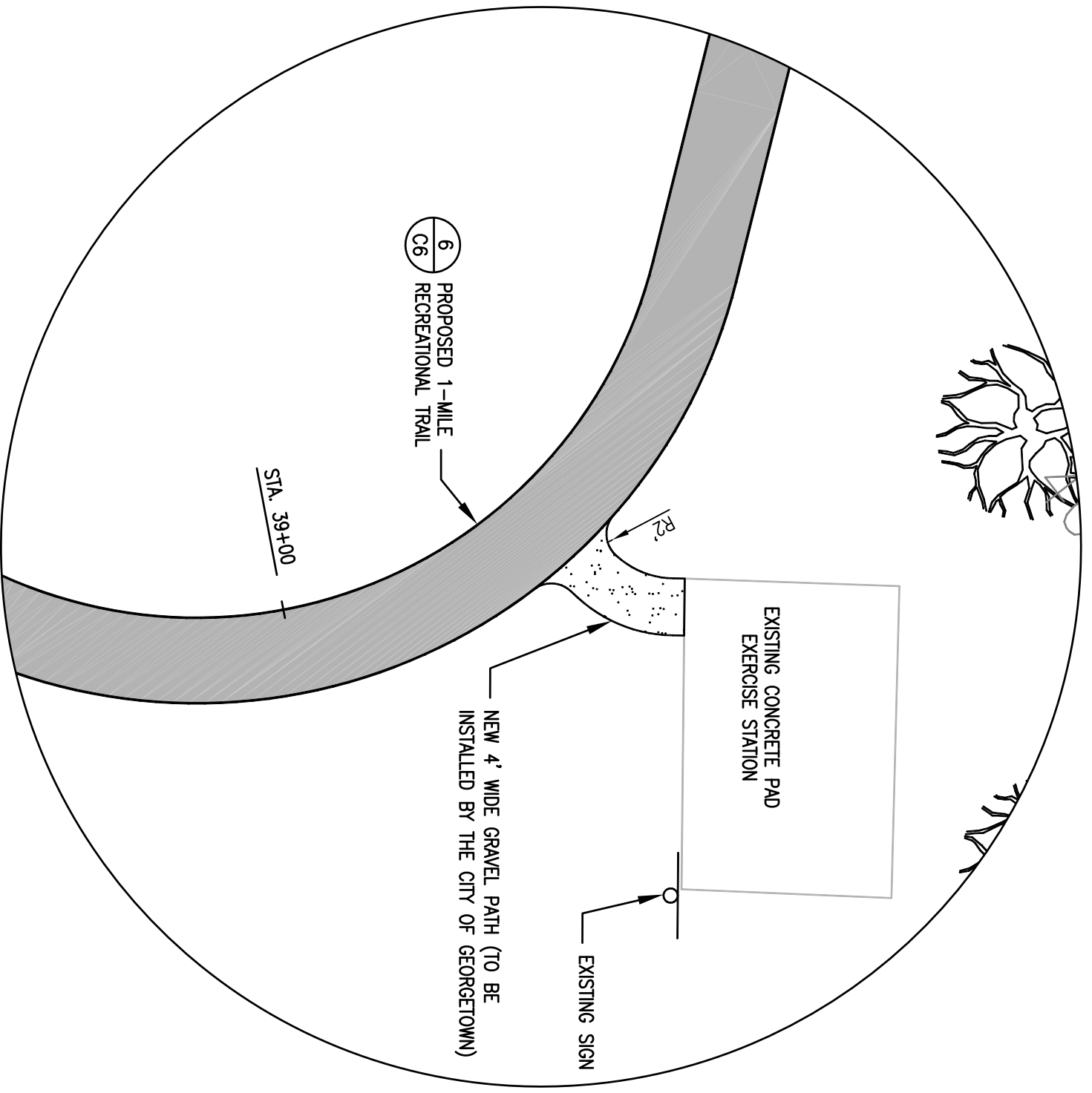
EAST BAY PARK RECREATIONAL TRAIL
PROJECT NO. 1206
CITY OF GEORGETOWN, SC



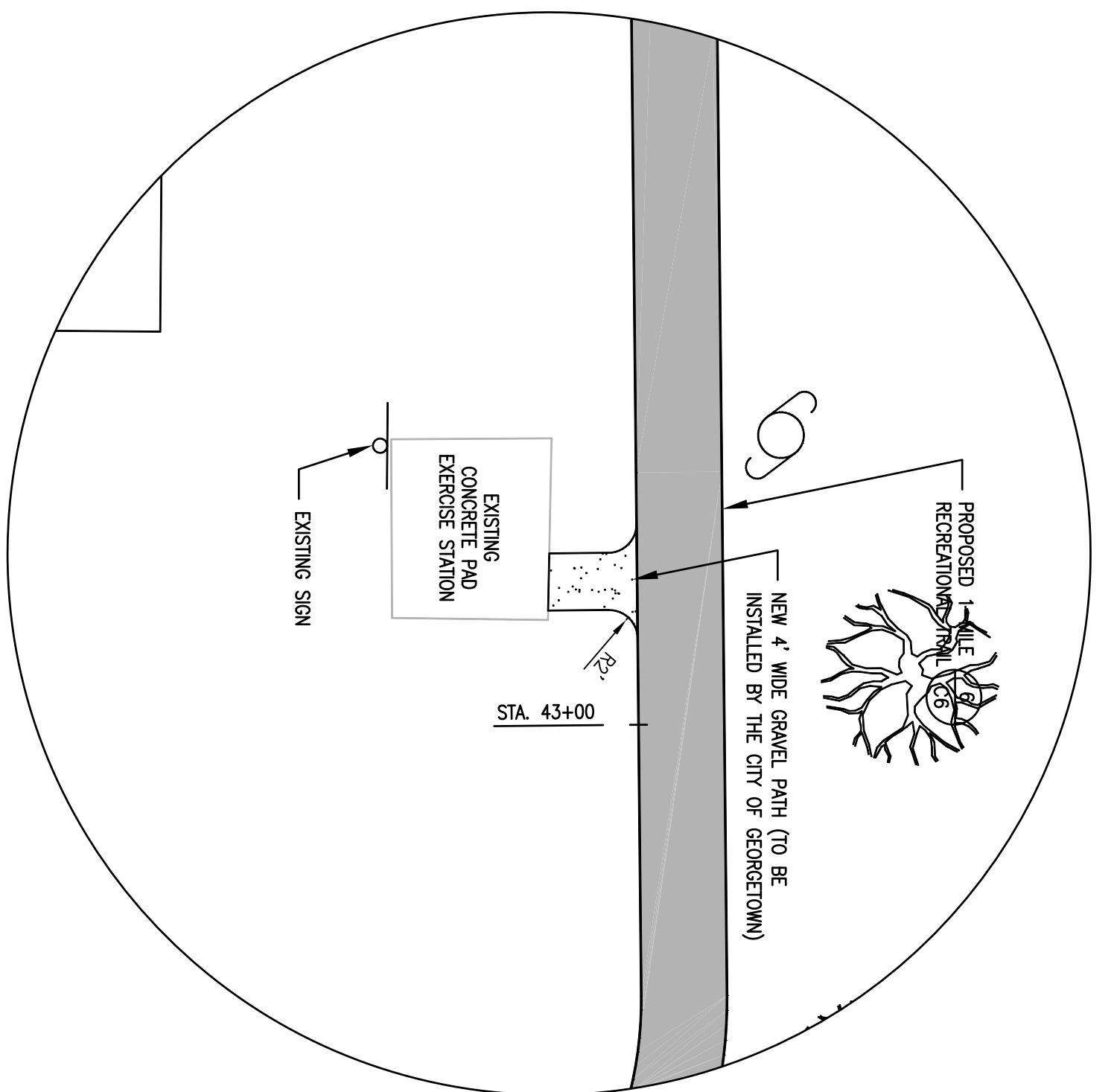
CAGLE CONSULTING ENGINEERS LLC
PLANNING & DESIGN
 1937 W. Palmetto St., Box 123, Florence, South Carolina 29501
 Ph. (843) 495-7452
 bcagle.civilengr@gmail.com



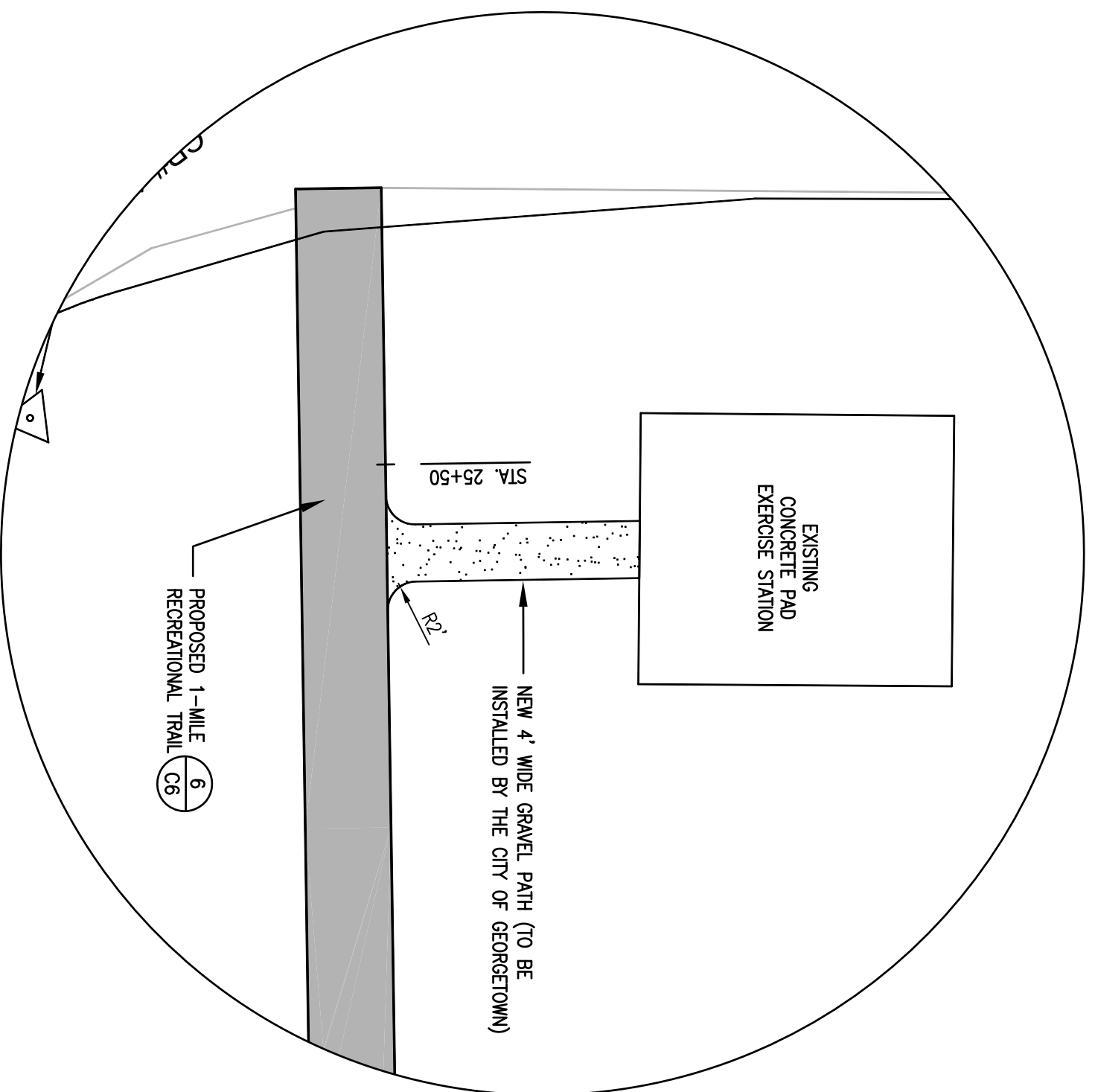
ENLARGED VIEW 3
SCALE: 1"=10'



ENLARGED VIEW 5
SCALE: 1"=10'



ENLARGED VIEW 4
SCALE: 1"=10'



ENLARGED VIEW 6
SCALE: 1"=10'

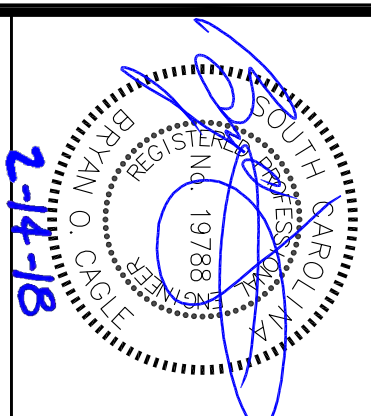
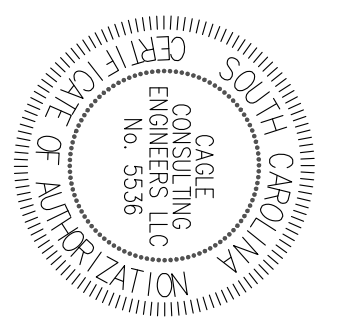
EAST BAY PARK RECREATIONAL TRAIL
PROJECT NO. 1206
CITY OF GEORGETOWN, SC

ENLARGED VIEWS

REV	DESCRIPTION	BY
0	ISSUED FOR CONSTRUCTION	BC

DRAWN BY: BC CHK'D BY: BC
DATE: 9/21/17 REV: 2/14/18
SCALE(S) SHOWN: PROJ.#: C1701
FILE/CV-BP_REC_TRAIL.dwg
SHEET NUMBER:

C7



CAGLE CONSULTING ENGINEERS LLC
PLANNING & DESIGN
1937 W. Palmetto St., Box 123, Florence, South Carolina 29501
Ph. (843) 495-7452 bcagle.civilengr@gmail.com