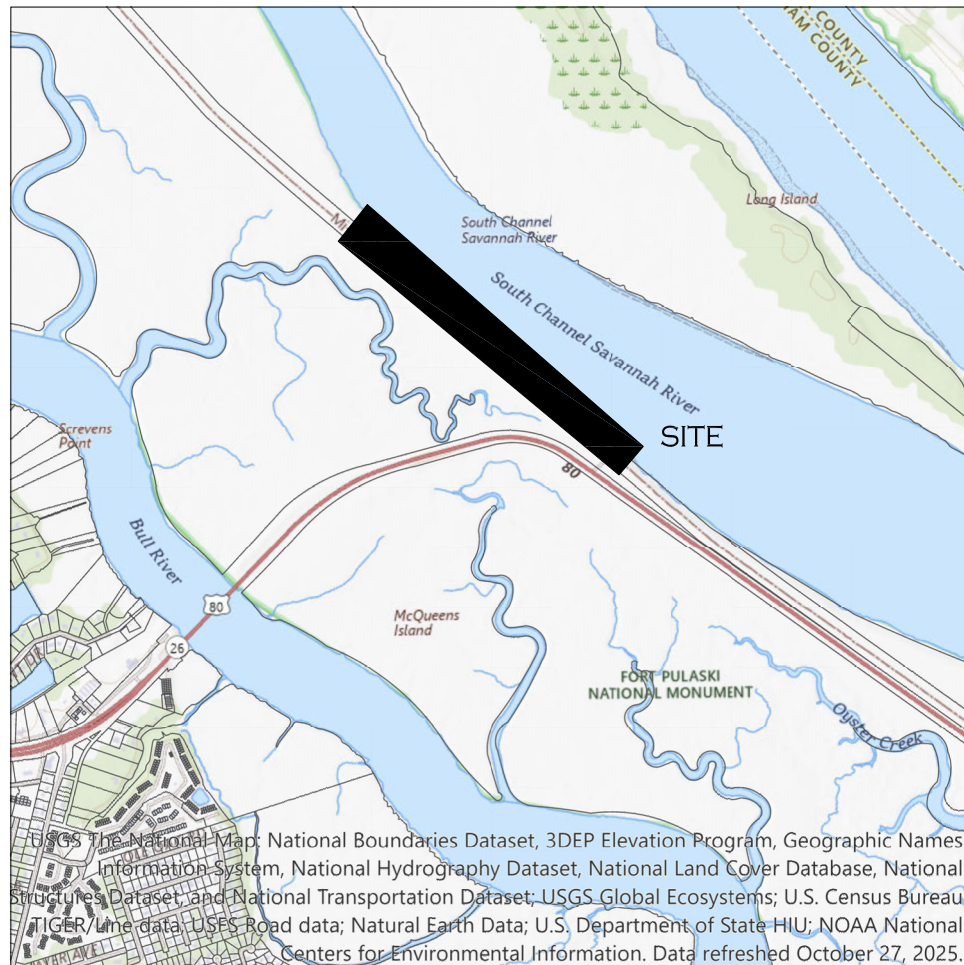
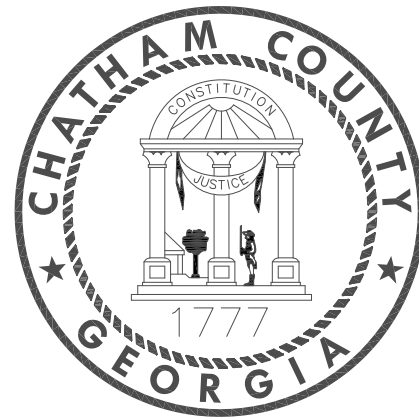


MCQUEEN'S TRAIL RESTORATION



LOCATION MAP
1" = 2000'



SCHEDULE OF DRAWINGS	
SHEET	DESCRIPTION
1	COVER SHEET
2	PLAN OF RESTORATION AREAS
3	NOTES
4	DETAILS



**Know what's below.
Call before you dig.**

MARCH 2026

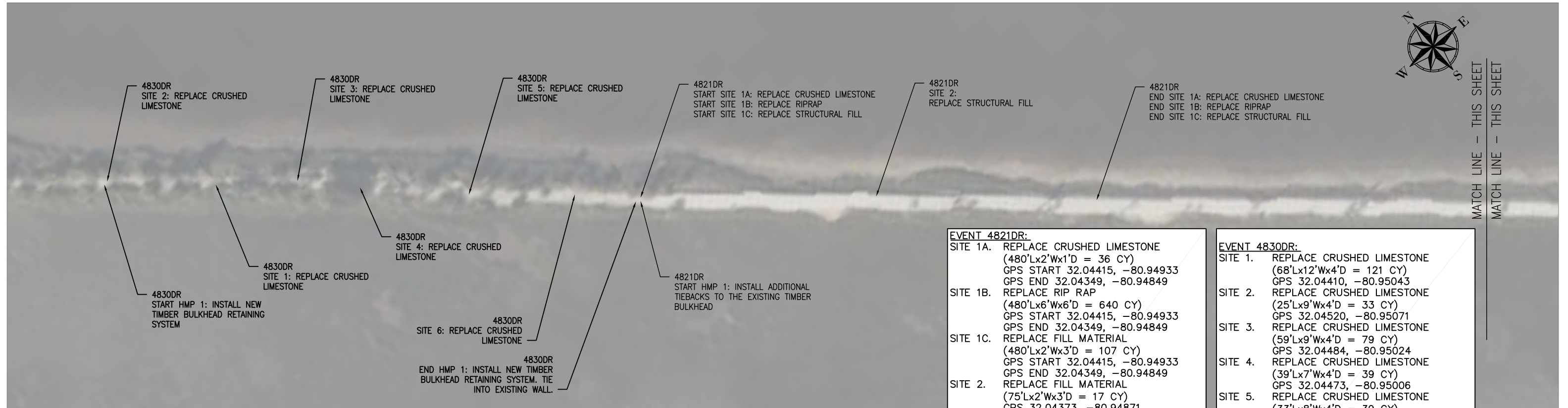
PREPARED BY:
CHATHAM COUNTY, GEORGIA
DEPARTMENT OF ENGINEERING

DATE: 3/17/2026 DESIGNED: KH APPROVED: SCALE: NTS	MCQUEEN'S TRAIL RESTORATION CHATHAM COUNTY, GA	 <p>CHATHAM COUNTY DEPARTMENT OF ENGINEERING 124 BULL STREET, SUITE 430 SAVANNAH, GA 31401 PHONE: (912) 652-7800 FAX: (912) 652-7818</p>	NUMBER	REVISION	DATE	BY	SHEET 1 OF 4
	COVER SHEET						



MATCH LINE - THIS SHEET

MATCH LINE - THIS SHEET



EVENT 4821DR:

SITE 1A. REPLACE CRUSHED LIMESTONE
(480'Lx2'Wx1'D = 36 CY)
GPS START 32.04415, -80.94933
GPS END 32.04349, -80.94849

SITE 1B. REPLACE RIP RAP
(480'Lx6'Wx6'D = 640 CY)
GPS START 32.04415, -80.94933
GPS END 32.04349, -80.94849

SITE 1C. REPLACE FILL MATERIAL
(480'Lx2'Wx3'D = 107 CY)
GPS START 32.04415, -80.94933
GPS END 32.04349, -80.94849

SITE 2. REPLACE FILL MATERIAL
(75'Lx2'Wx3'D = 17 CY)
GPS 32.04373, -80.94871

SITE 3. REPLACE FILL MATERIAL
(77'Lx2'Wx3'D = 17 CY)
GPS 32.04207, -80.94652

SITE 4. REPLACE CRUSHED LIMESTONE
(20'Lx6'Wx4'D = 18 CY)
GPS 32.04124, -80.94544

HMP 1. INSTALL TIEBACKS TO EXISTING WALL
(652 LF)
GPS START 32.04415, -80.94933
GPS END 32.04124, -80.94544

HMP 2. INSTALL NEW TIMBER BULKHEAD
(818 LF)
GPS START 32.04124, -80.94544
GPS END 32.04003, -80.94374

EVENT 4830DR:

SITE 1. REPLACE CRUSHED LIMESTONE
(68'Lx12'Wx4'D = 121 CY)
GPS 32.04410, -80.95043

SITE 2. REPLACE CRUSHED LIMESTONE
(25'Lx9'Wx4'D = 33 CY)
GPS 32.04520, -80.95071

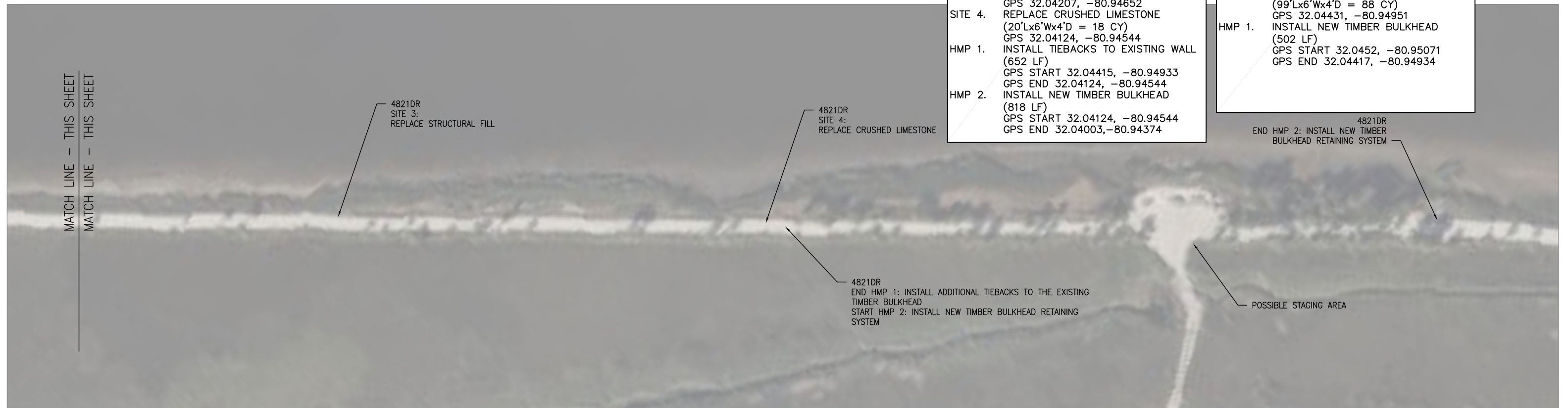
SITE 3. REPLACE CRUSHED LIMESTONE
(59'Lx9'Wx4'D = 79 CY)
GPS 32.04484, -80.95024

SITE 4. REPLACE CRUSHED LIMESTONE
(39'Lx7'Wx4'D = 39 CY)
GPS 32.04473, -80.95006

SITE 5. REPLACE CRUSHED LIMESTONE
(33'Lx8'Wx4'D = 39 CY)
GPS 32.04452, -80.94977

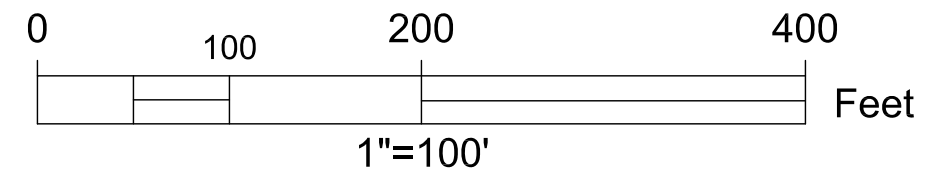
SITE 6. REPLACE CRUSHED LIMESTONE
(99'Lx6'Wx4'D = 88 CY)
GPS 32.04431, -80.94951

HMP 1. INSTALL NEW TIMBER BULKHEAD
(502 LF)
GPS START 32.0452, -80.95071
GPS END 32.04417, -80.94934



MATCH LINE - THIS SHEET

MATCH LINE - THIS SHEET



DATE: 3/17/2026
DESIGNED: KH
APPROVED:
SCALE: 1"=100'

MCQUEEN'S TRAIL RESTORATION
CHATHAM COUNTY, GA

PLAN OF RESTORATION AREAS



CHATHAM COUNTY
DEPARTMENT OF ENGINEERING
124 BULL STREET, SUITE 430
SAVANNAH, GA 31401
PHONE: (912) 652-7800 FAX: (912) 652-7818

NUMBER	REVISION	DATE	BY

SHEET
2
OF 4

GENERAL NOTES:

1. WORK CONSISTS OF THE REPAIRS TO SPECIFIC AREAS ALONG NORTHERN EDGE OF THE WESTERN ROUTE OF THE MCQUEEN'S TRAIL, ALONG HIGHWAY 80. THE SITE CONSISTS OF A PEDESTRIAN/BIKE TRAIL CONSTRUCTED OVER AND OLD ABANDONED RAIL BED SURROUNDED ON BOTH SIDES BY SALTWATER MARSH. THE TRAIL MATERIAL IS CONSTRUCTED USING A SOIL CEMENT SURFACE COURSE OVER THE EXISTING RAIL BED SUB-BASE.
2. CONTRACTOR IS TO VERIFY THE CONDITIONS AT THE SITE RELATIVE TO HIS WORK, ACCESS, DELIVERY OF MATERIALS, ETC. PRIOR TO HIS SUBMITTAL OF A BID. THE COUNTY WILL CLOSE THE WEST ROUTE OF MCQUEEN'S TRAIL DURING THE CONSTRUCTION PERIOD INITIALLY AND WILL COORDINATE WITH THE CONTRACTOR AS WORK PROGRESSES WESTWARD TO RE-OPEN ACCESS FOR PUBLIC USE.
3. PRIOR TO COMMENCING WORK THE CONTRACTOR IS TO EXAMINE THE SITE WITH THE ENGINEER TO IDENTIFY ANY CHANGES IN THE WORK AREAS. THE WORK IS TO BE COMPLETED AT EACH EROSION AREA AS LOCATED ON THE PLANS WITH THE REPAIR DETAILS NOTED.
4. BACKFILL MATERIAL IS TO BE CLEAN GRANULAR MATERIAL MEETING THE UNIFIED SOIL CLASSIFICATION SOIL TYPE GW, GP, GM, SW, SP, OR SC FURNISHED AND INSTALLED BY THE CONTRACTOR FROM OFF-SITE SOURCES. BACKFILL SHALL BE COMPACTED TO 90% MAXIMUM DRY DENSITY (STANDARD PROCTOR) FOR THE UPPER 18 INCHES OF THE FILL SECTION.
5. FILTER FABRIC BETWEEN SHEETS AND SOIL TO BE WOVEN GEOTEXTILE MIRAFI HP570 OR APPROVED EQUAL.
6. CONTRACTOR IS TO REMOVE ALL DEBRIS IN THE WORK AREAS THAT MAY ADVERSELY IMPACT THE INTEGRITY OF THE REPAIRS TO BE PERFORMED INCLUDING, BUT NOT LIMITED TO, TRASH, BRICK, AND CONCRETE REMNANTS, TIMBER LOGS, AND DEBRIS. MATERIAL IS TO BE REMOVED AND DISPOSED OF OFF-SITE.
7. ALL RIP RAP TO BE PROVIDED BY THE CONTRACTOR SHALL BE DURABLE GRANITE STONE THAT WILL NOT DISINTEGRATE UNDER THE ELEMENTS OR BREAK DURING HANDLING. ALL STONE SHALL BE ROUGHLY ANGULAR IN SHAPE.
8. STONE SHALL BE SOLID AND NON-FRIABLE AND SHALL MEET THE REQUIREMENTS OF THE GEORGIA DEPARTMENT OF TRANSPORTATION'S SECTION 805, TYPE 3 RIP RAP SPECIFICATIONS.
9. FILTER FABRIC UNDER RIP RAP SHALL BE A WOVEN FIBER OF POLYPROPYLENE AND NYLON FILAMENTS EQUIVALENT TO MIRAFI 700X OR APPROVED EQUAL.
10. THE STONE SHALL BE PLACED TO THE LINES AND GRADES INDICATED ON THE PLANS. THE FINISHED SURFACE SHALL BE RELATIVELY UNIFORM AND SHALL CONTAIN THE MAXIMUM AMOUNT OF STONE AS CAN BE OBTAINED BY PERFORMING THE WORK AS SPECIFIED. PLACEMENT BY DUMPING INTO CHUTES OR SIMILAR METHODS THAT WILL CAUSE SEGREGATION OR DAMAGE TO THE ADJACENT RETAINING WALLS WILL NOT BE PERMITTED.
11. HAND PLACEMENT AND FINAL POSITIONING OF THE STONE SHALL BE PERFORMED TO FORM AND INTERLOCK BETWEEN THE VARIOUS SIZES OF STONE AND PROVIDE A COMPACT MASS.
12. STONE SHALL BE DROPPED FROM NO MORE THAN 3 FEET DURING THE CONSTRUCTION. LARGER STONES SHALL BE WELL DISTRIBUTED, AND THE ENTIRE MASS SHALL CONFORM TO THE PLAN SPECIFIED. ALL STONE SHALL BE PLACED AND DISTRIBUTED SO THERE WILL BE NO LARGE ACCUMULATIONS OF EITHER THE LARGER OR SMALLER SIZES OF STONE.
13. DRAWINGS SHOW TYPICAL CONDITIONS ONLY. FOR DETAILS NOT SPECIFICALLY SHOWN, PROVIDE DETAILS TO THE ENGINEER LIKE THOSE SHOWN.
14. VERIFY ALL EXISTING CONDITIONS, DIMENSIONS AND ELEVATIONS BEFORE STARTING WORK. NOTIFY THE ENGINEER OF ANY DISCREPANCY.
15. NOTIFY THE ENGINEER OF CONDITIONS ENCOUNTERED IN THE FIELD CONTRADICTORY TO THOSE SHOWN ON THE CONTRACT DOCUMENTS.
16. EXISTING PALMETTO TREES THAT CAN BE SALVAGED AT THE EDGE OF THE TRAIL TO BE REPAIRED ARE TO BE EXTRACTED AND REPLANTED LANDSIDE OF THE NEW TIMBER RETAINING WALL AS DIRECTED BY THE ENGINEER.
17. ALL LOOSE DEBRIS AND DEAD VEGETATION LOCATED ALONG THE ERODED EDGES OF THE TRAIL TO BE REPAIRED IS TO BE REMOVED AND DISPOSED OF OFFSITE.
18. CONTRACTOR IS TO AVOID DAMAGING THE ADJACENT ACTIVE MARSH GRASSES. NO WORK IS TO BE PERFORMED IN THE MARSH.
19. TYPICAL TOP OF WALL ELEVATION IS 7.00' AND THE TYPICAL TRAIL SECTION IS 4" BELOW TOP OF WALL AT ELEVATION 6.67'.

TIMBER FOR MARINE CONSTRUCTION:

1. UNLESS NOTED OTHERWISE, ALL TIMBER SHALL BE SOUTHERN YELLOW PINE, NO. 1 DENSE GRADE, ROUGH SAWN, SQUARE FOUR SIDES, DRESSED, AND GRADED IN ACCORDANCE WITH SPIB'S "GRADING RULES" AND WITH A MOISTURE CONTENT OF 19 PERCENT AT TIME OF DELIVERY TO THE PROJECT SITE.
2. UNLESS NOTED OTHERWISE, ALL TIMBER SHALL BE TREATED WITH CHROMATE COPPER ARSENATE (CCA), 2.5 PCF.
3. UNLESS NOTED OTHERWISE, ALL TIMBER BOLTS SHALL BE GALVANIZED, COMPLETE WITH HEX NUT FABRICATED FROM STEEL CONFORMING TO ASTM A307.
4. UNLESS NOTED OTHERWISE, ALL PLATE WASHERS SHALL BE A588.
5. UNLESS NOTED OTHERWISE, ALL BOLTS AND NUTS SHALL BE ASTM 325, TYPE 3 OR ASTM A588.
6. ALL STEEL TO BE GALVANIZED IN ACCORDANCE WITH ASTM A123.
7. UNLESS NOTED OTHERWISE, USE ONLY FULL-LENGTH TIMBERS.
8. DRILL ALL HOLES STRAIGHT AND PERPENDICULAR TO THE BEARING SURFACE WASHERS.
9. WHERE PRACTICAL, CUT TIMBER TO REQUIRED LENGTH WITH STRAIGHT CUTS AND NO SPLINTERED EDGES, AND DRILL HOLES PRIOR TO PRESERVATIVE TREATMENT TO MINIMIZE TREATING CUTS AND HOLES IN THE FIELD.
10. PRIOR TO ERECTION OF TIMBERS, COAT ALL CUT, BORED, DAPPED, AND DAMAGED TIMBER SURFACES IN ACCORDANCE WITH AWP A M4-84.
11. ERECT TIMBER WORK PLUMB AND LEVEL WITH TIGHT JOINTS BETWEEN ALL MEMBERS.
12. TIGHTEN BOLTS SUFFICIENTLY TO BRING ALL BEARING SURFACES INTO CONTACT.
13. COAT END GRAIN OF ALL EXPOSED VERTICAL TIMBERS WITH PRESERVATIVE.
14. EXERCISE CARE WHEN HANDLING TIMBER TO AVOID SURFACE AND STRUCTURAL DAMAGE. DO NOT USE CANT HOOKS, DOGS, OR PIKE POLES FOR HANDLING TIMBER.
15. STORE TIMBER UNDER COVER, ABOVE GROUND, AND KEEP FREE FROM DIRT, GREASE, OR OTHER FOREIGN MATTER. STACK TIMBER IN A MANNER THAT WILL PREVENT LONG TIMBERS FROM SAGGING OR BECOMING CROOKED.
16. NAIL ALL MULTIPLE MEMBERS TOGETHER WITH 16D NAILS AT 12" O.C. TOP AND BOTTOM.
17. THE INSTALLATION OF A PILE FOUNDATION SYSTEMS SHALL BE INSTALLED IN ACCORDANCE WITH GDOT STANDARD SPECIFICATIONS.

DATE: 3/17/2026
 DESIGNED: KH
 APPROVED:
 SCALE: NTS

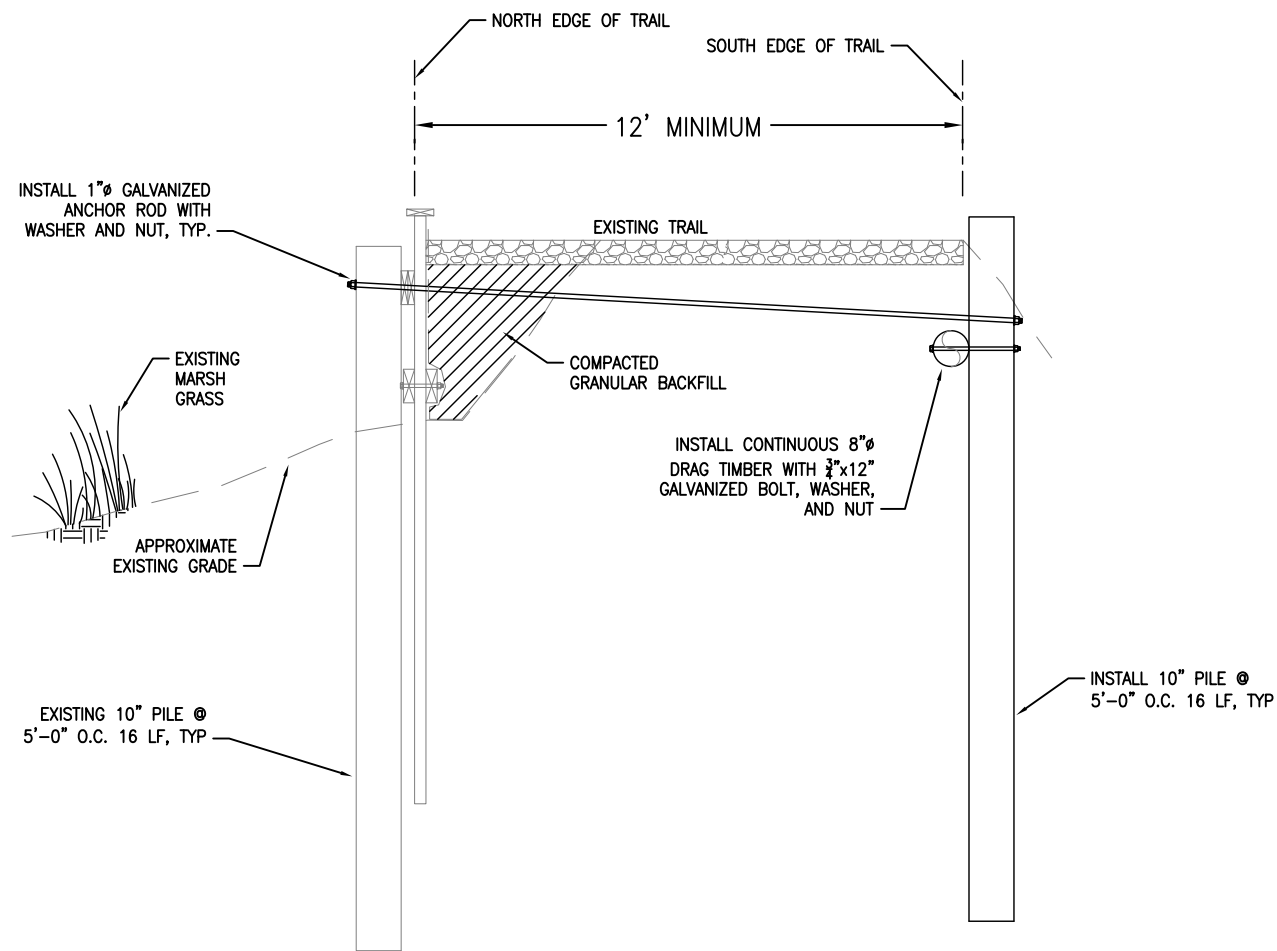
MCQUEEN'S TRAIL RESTORATION
 CHATHAM COUNTY, GA



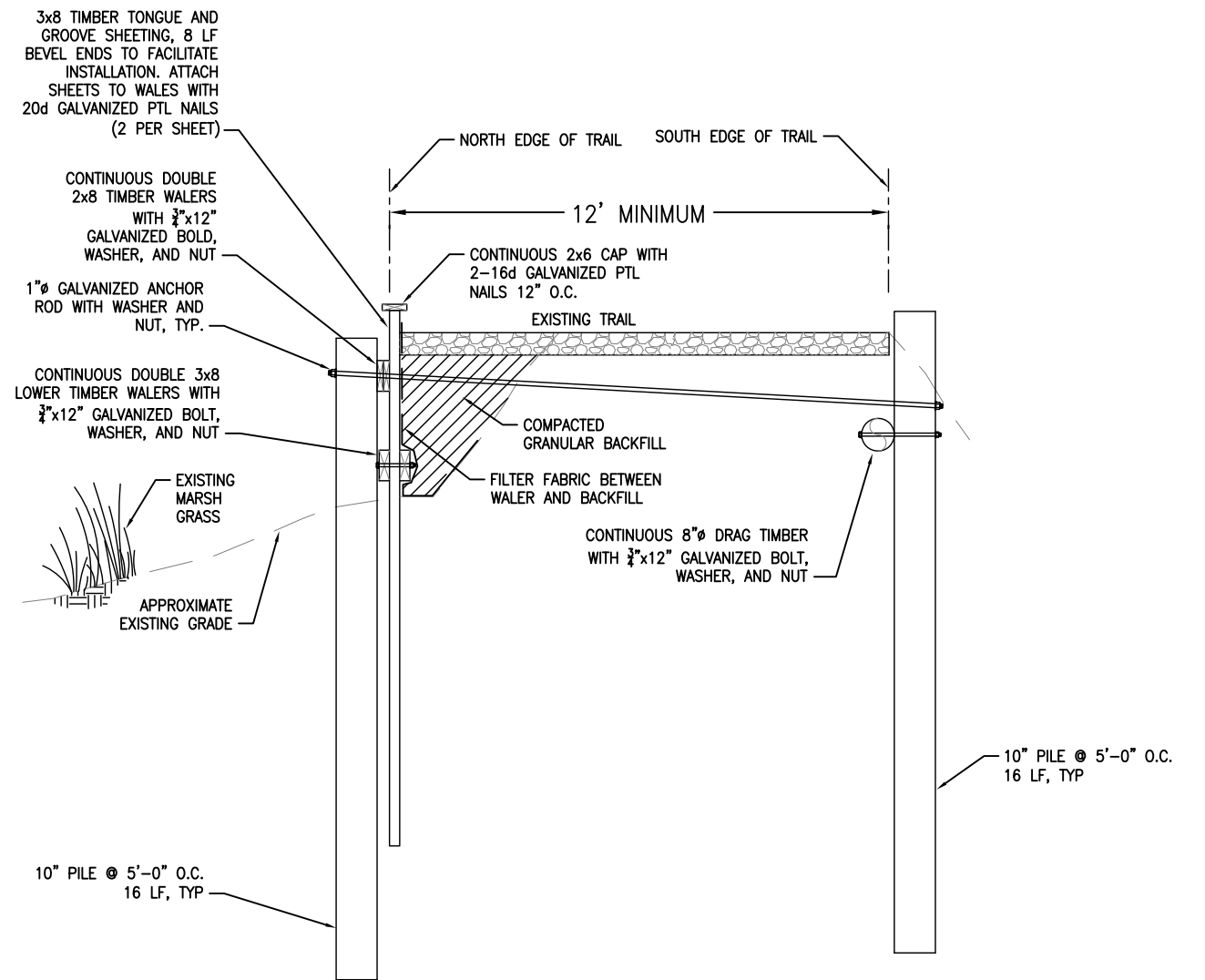
CHATHAM COUNTY
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 124 BULL STREET, SUITE 430
 SAVANNAH, GA 31401
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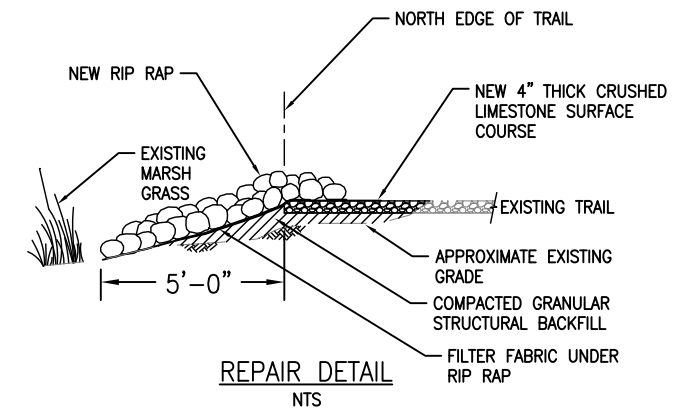
NOTES



ADDITIONAL TIEBACKS TO EXISTING TIMBER BULKHEAD DETAIL
NTS



NEW TIMBER BULKHEAD RETAINING SYSTEM
NTS



REPAIR DETAIL
NTS

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MCQUEEN'S TRAIL RESTORATION
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