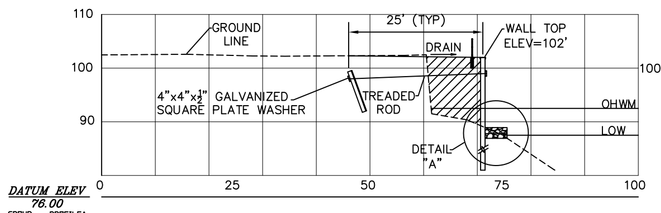
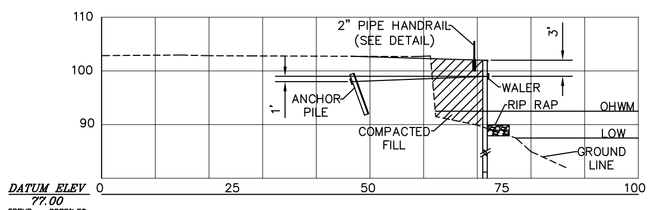
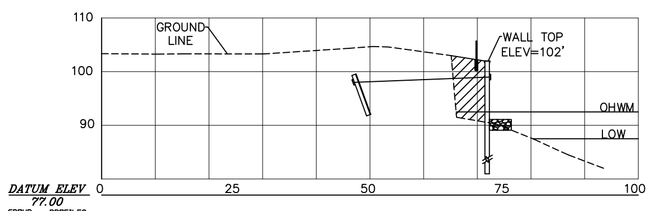
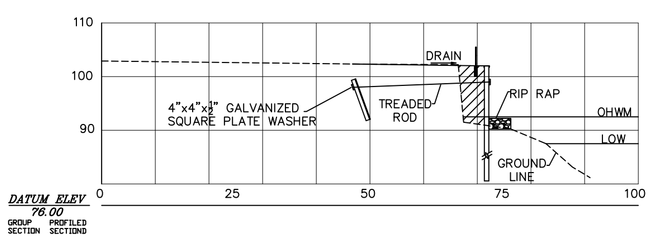
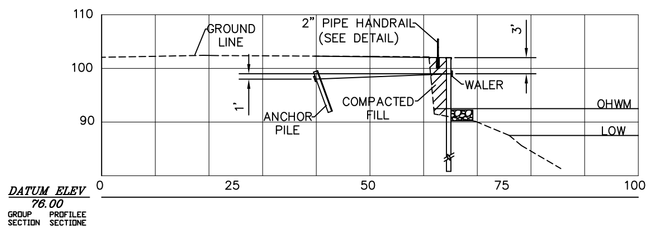
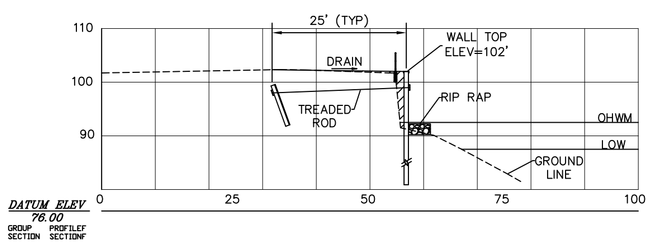


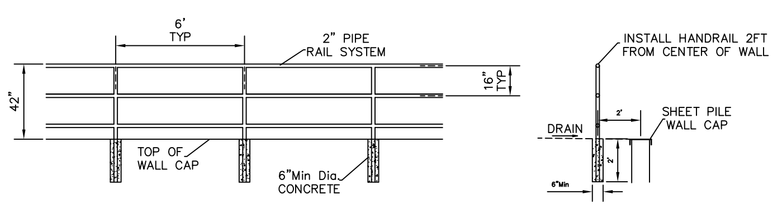






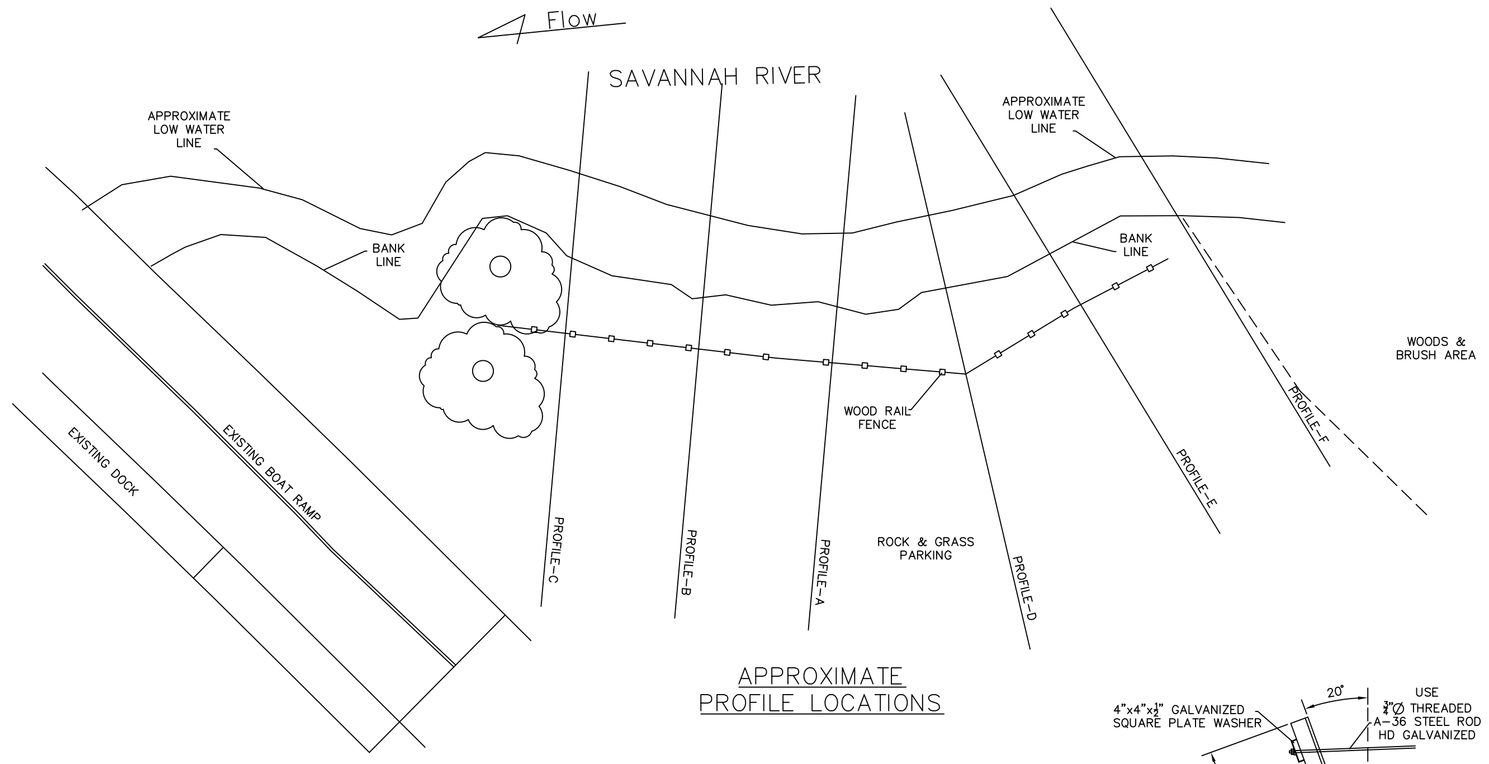




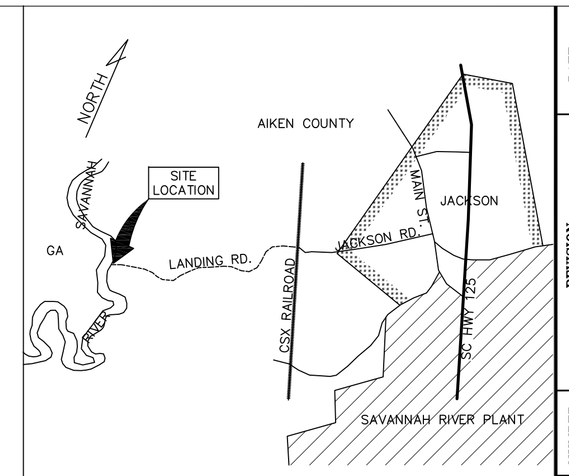


HANDRAIL SYSTEM SHALL BE 2" GALVANIZED SCHEDULE 40 PIPE. ALL VERTICAL POST SHALL BE ANCHORED IN CONCRETE AS SHOWN. CONNECTIONS SHALL BE WELDED AND PAINTED WITH GALVANIZED PIANT.

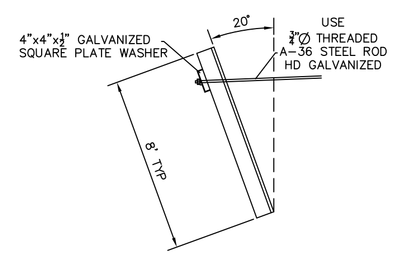
RAILING DETAIL
NTS



APPROXIMATE PROFILE LOCATIONS

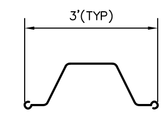


LOCATION MAP
(No Scale)



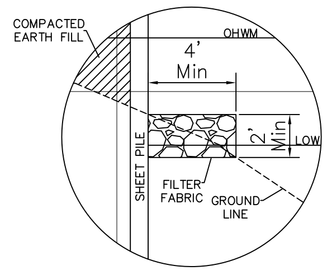
ANCHORS SAME MATERIAL AS WALL, SHOP DRAWINGS REQUIRED FOR WALER AND SHALL BE SUBMITTED TO DETAIL THE MATERIAL & SIZE OF WALERS, CONNECTIONS AND THREADED RODS

TYPICAL SHEET PILE ANCHOR
NTS

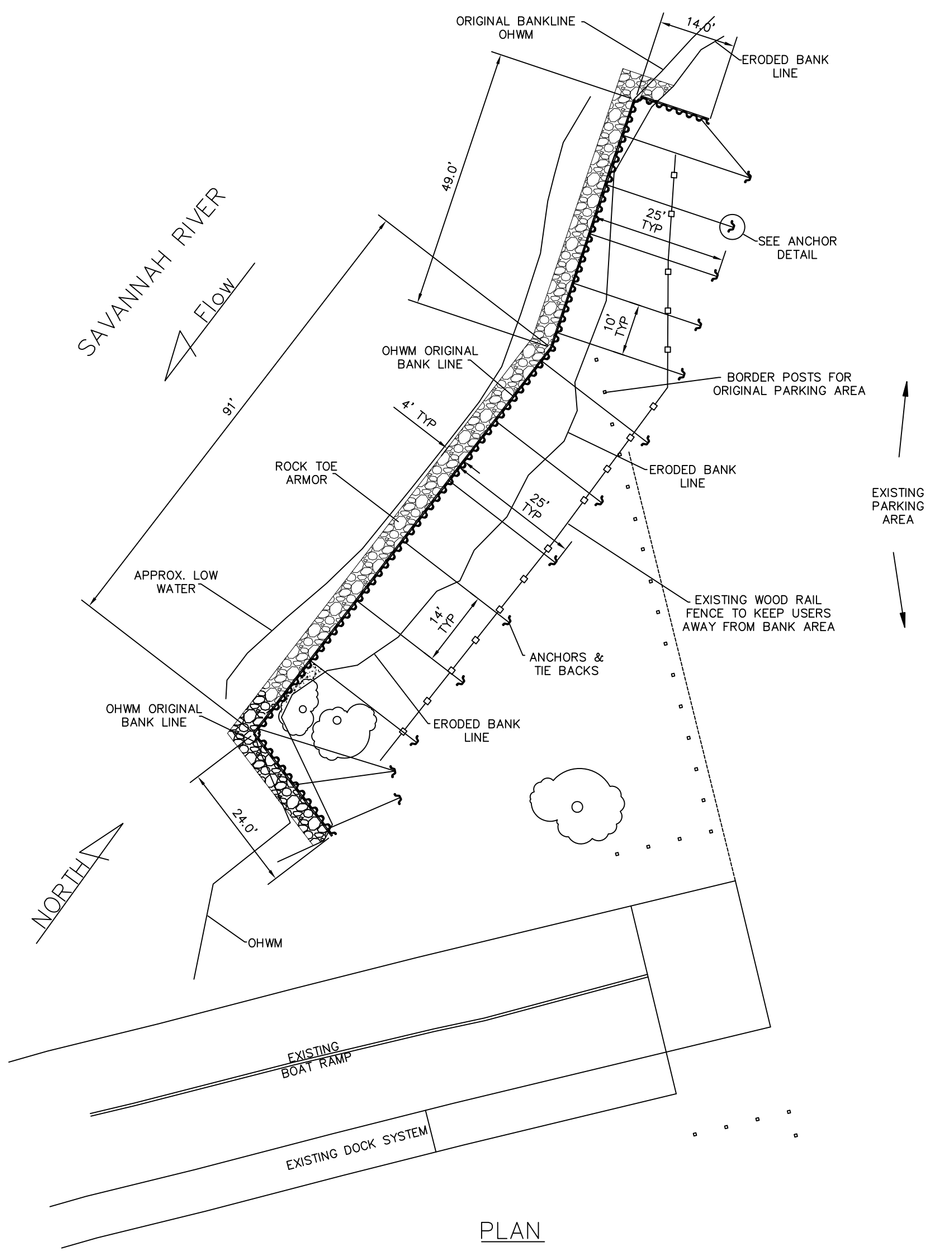


USE 30FT LONG
PZ-27 HR "Z" STEEL PILING
ASTM A572 GRADE 50 (or)
CMI UC-50 COMPOSITE PILING (or)
AGENCY APPROVED EQUIVALENT

TYPICAL SHEET PILE
NTS



DETAIL "A"
NTS



PLAN

CONSTRUCTION NOTES

1) ALL EXCAVATED AREAS FOR THE INSTALLATION OF THE ANCHOR WALL AND RODS SHALL BE BACKFILLED IN UNIFORM LAYERS AND COMPACTED.

2) ALL GRADES AND REFERENCE LINES ARE TO BE SET BY THE CONTRACTOR AFTER INITIAL TAKE OFF POINTS ARE SET. BENCHMARKS AND ELEVATION REFERENCES SET BY SCDNR.

3) SILT FENCES SHALL BE IN PLACE PRIOR TO GRADING. IF ANY EXCAVATED MATERIALS ARE TO BE STOCK PILED ON SITE, SILT FENCING (or) HAY BALES SHALL BE PLACED AROUND THESE PILES TO PREVENT ANY SILT LADEN WATERS FROM ENTERING THE ADJACENT WATER BODY OR LANDS.

4) SEED ALL DISTURBED AREAS OUTSIDE OF THE PARKING AREA WITH A PERMANENT TYPE VEGETATION TO PREVENT EROSION. VEGETATION SHALL BE ESTABLISHED PRIOR TO COMPLETION OF PROJECT AND BEFORE SILT FENCES ARE REMOVED.

5) RIP-RAP SHALL BE CLEAN AND FREE OF OIL AND DEBRIS. IT SHALL BE ONE-MAN SIZED AND PLACED OVER FILTER FABRIC.

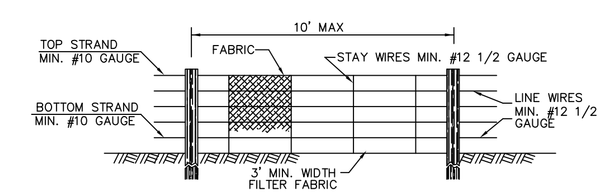
6) THE CONTRACTOR IS RESPONSIBLE FOR REPAIRING ANY DAMAGE DONE TO THE EXISTING STRUCTURES DURING THE TIME OF CONSTRUCTION. FENCE MAY BE TEMPORARILY REMOVED FOR CONSTRUCTION THEN INSTALLED AFTER COMPLETION.

7) THE SHEET PILE WALL SHALL BE DRIVEN IN PLACE. SHEET PILES SHALL BE PROVIDED AS SPECIFIED ON PLANS. EACH PILE SHALL BE 30 FEET IN LENGTH.

8) THE DEAD-MAN ANCHOR SHALL BE AN 8FT PIECE OF THE SAME MATERIAL AS THE WALL PUSHED INTO PLACE ON A BACKWARD TILT WITH AN EXCAVATOR (or) DRIVER. A TRENCH SHALL BE DUG TO ALLOW THE THREADED ROD STRAIGHT LINE ACCESS TO THE WALL CONNECTION. ALL BACKFILL SHALL BE COMPACTED IN UNIFORM LAYERS.

9) AFTER THE INSTALLATION OF THE WALL AND ANCHORS ARE COMPLETE, THE PARKING AREA SHALL BE GRADED SMOOTH TO DRAIN AND A 4" MINIMUM LAYER OF C&R STONE BASE MATERIAL SHALL BE SPREAD AND LEVELED.

10) CONTRACTOR SHALL PROVIDE SHOP DRAWINGS TO DETAIL THE TYPE OF MATERIAL USED FOR THE WALERS, THE SIZE, THE CONNECTIONS AND THE TREADED ROD.

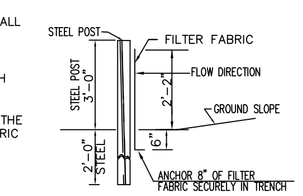


GENERAL NOTES:

1) WIRE SHALL BE A MINIMUM OF 32" IN WIDTH AND SHALL HAVE A MINIMUM OF 6 LINE WIRES WITH 12" STAY SPACING.

2) FILTER FABRIC SHALL BE A MINIMUM OF 36" IN WIDTH AND SHALL BE FASTENED ADEQUATELY TO THE WIRE.

3) STEEL POST SHALL BE 5'-0" IN HEIGHT AND BE OF THE SELF-FASTENER ANGLE STEEL TYPE WITH THE WIRE FABRIC SECURED WITH WIRE FASTENERS.



TEMPORARY SILT FENCE DETAIL
(NO SCALE)

DATE	REVISION	NUMBER

STATE PROJECT NUMBER:

PROJECT TITLE: AIKEN-JACKSON PUBLIC BOAT LANDING BANK STABILIZATION

SHEET TITLE: PLAN, PROFILE & DETAILS

South Carolina
Department of Natural Resources
Engineering Section

DATE:	2-16-16
SCALE:	1"=20'
DRAWN BY:	TV
CHECKED BY:	
SHEET:	1 of 1 Sheets