

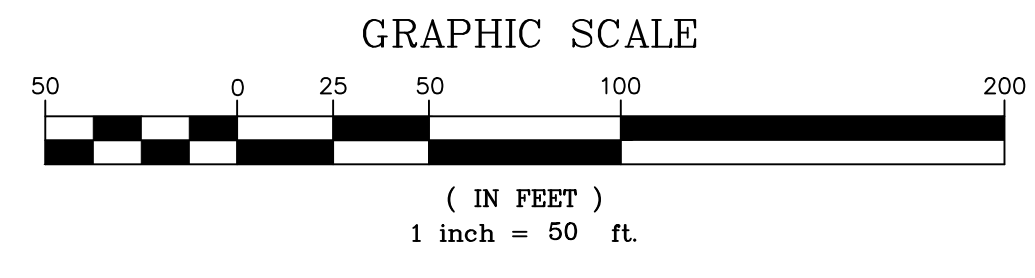
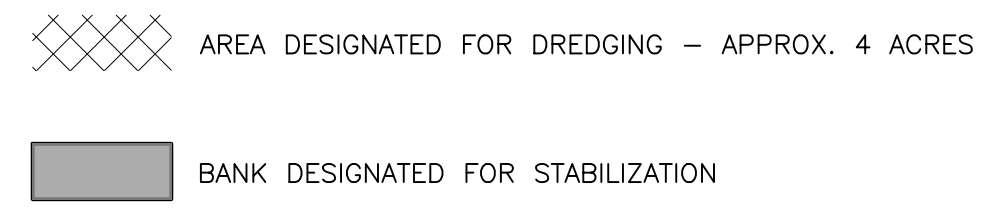
- NOTES:
1. SHADED AREA DESIGNATED FOR BANK STABILIZATION, APPROXIMATELY 4,100 LINEAR FEET. HATCH AREA DESIGNATED FOR DREDGING, APPROXIMATELY 2,900 CY.
 2. BANKS SHALL BE STABILIZED IN A MANNER THAT ALLOWS AND PROMOTES NATURAL VEGETATIVE GROWTH AROUND THE LAKE SHORE.
 3. A COMBINATION OF SOD AND NATIVE PLANTS SHALL BE INSTALLED ONCE BANK IS STABILIZED. CONTRACTOR SHALL COORDINATE WITH THE TOWN TO COORDINATE ADDITIONAL LANDSCAPING AT THE BANK AREAS IMPACTED BY CONSTRUCTION OUTSIDE OF BANK STABILIZATION SHALL BE RESEEDED WITH PERMANENT STABILIZATION. SEED SHALL MATCH EXISTING GRASS TYPE.
 4. BANK SHALL BE STABILIZED AT A 4H:1V SLOPE TO AN ELEVATION OF -1 FEET ABOVE MSL. BANK MODIFICATION SHALL CREATE A SMOOTH, NATURAL TRANSITION BETWEEN THE LAKE AND LAKE BED INTERFACE.
 5. MATERIAL USED TO STABILIZE THE BANK SHALL BE THE MATERIAL DREDGED FROM THE EASTERN PORTION OF THE LAKE. NO OUTSIDE MATERIAL SHALL BE UTILIZED. DREDGED MATERIAL MAY NOT LEAVE THE PROJECT SITE.
 6. BANK SHALL BE STABILIZED TO A POINT INSIDE GREENWAY THAT MAXIMIZES THE DREDGED MATERIAL WITHOUT CREATING PONDING ISSUES.
 7. DREDGED MATERIAL FROM THE LAKE SHALL BE REMOVED IN A MANNER TO REDUCE HIGH SPOTS AND LEVEL THE EASTERN PORTION OF THE LAKE BED. THE INTENT IS TO IMPROVE THE QUALITY OF THE LAKE BY CREATING A UNIFORM LAKE BED ELEVATION THAT PREVENTS LOCALIZED PONDING. INITIAL FOCUS SHOULD BE CENTERED ON AREAS WITH AN ELEVATION HIGHER THAN -2 FEET ABOVE MSL.
 8. MATERIAL THAT ACCUMULATES AT THE TOE OF THE BANK SHALL BE REDISTRIBUTED AS TO NOT CREATE HIGH SPOTS IN THE LAKE.
 9. CONTRACTOR SHALL MAINTAIN ACCESS TO GREENWAY DURING CONSTRUCTION. ANY CLOSURE OF THE GREENWAY SHALL BE COORDINATED WITH THE TOWN WITH AT LEAST 7 DAYS NOTICE IN ADVANCE. IF CLOSURE IS REQUIRED, THE CONTRACTOR SHALL PROVIDE A GRAVEL PATH AND SIGNAGE TO FACILITATE BYPASS AROUND THE CLOSURE.
 10. TURBIDITY CURTAIN SHALL PREVENT SEDIMENT FROM BEING REMOVED FROM THE LAKE VIA STORM WATER PUMPS.
 11. VOLUME OF FILL TO BE PLACED ON THE BANKS IS APPROXIMATELY 2,900 CY.
 12. ANY EXCESS REMOVED RIP-RAP SHALL BE PROPERTY OF THE CONTRACTOR AND SHALL BE REMOVED AND DISPOSED OF LEGALLY.
 13. TAKE CAUTION TO PREVENT DAMAGE TO PAVED AREAS BY CONSTRUCTION EQUIPMENT OUTSIDE THE LIMITS OF DISTURBANCE. DAMAGE INFLECTED DURING CONSTRUCTION WILL BE REPAIRED TO OWNER'S SATISFACTION AT CONTRACTOR'S EXPENSE.
 14. CONTRACTOR SHALL UTILIZE ~30 LF OF TURBIDITY CURTAINS (TYPE 1) AT PIPE INVERTS TO PREVENT ESCAPE OR ACCUMULATION OF SEDIMENT IN CULVERTS.
 15. IN ALL AREAS, CONTRACTOR SHALL REMOVE BURIED DEBRIS, AS NECESSARY TO THE EXTENT REQUIRED, TO PROVIDE AN EVEN, VEGETATED SLOPE TO LAKE SURFACE.

- STABILIZATION PRODUCT:
1. BANK STABILIZATION PRODUCT SHALL BE DREDGESOX, DEWATERING GEOTEXTILE TUBE PRODUCT, OR EQUAL.
 2. STABILIZATION SHALL BE ACHIEVED WITH GEOFABRIC THAT ALLOWS DEWATERED DREDGED MATERIAL TO BE INSTALLED ON THE LAKE SHORELINE WHILE THE WATER DRAINS BACK INTO THE LAKE.
 3. GEOFABRIC SHALL SUPPORT ROOTED VEGETATION I.E. SOD, SEEDING OR PLANTING.
 4. GEOFABRIC SHALL BE WATERPROOF (NOT BIODEGRADABLE).

- SEDIMENT TRAP NOTES:
1. DURING CONSTRUCTION, SEDIMENT TRAPS SHALL BE REMOVED TO ACCOMMODATE BANK STABILIZATION. ONCE BANK STABILIZATION IS INSTALLED, SEDIMENT TRAPS SHALL BE REINSTALLED TO PRE-CONSTRUCTION CONDITION AND ELEVATION.
 2. DURING CONSTRUCTION, INSPECT SEDIMENT TRAPS WEEKLY AND AFTER EACH RAINFALL OF 0.5" OR GREATER AND REPAIR IMMEDIATELY.
 3. REMOVE SEDIMENT AND RESTORE THE TRAP TO ITS ORIGINAL CONDITION WHEN IT ACCUMULATES TO HALF OF THE DESIGN DEPTH. PLACE REMOVED SEDIMENT IN AN AREA WITH SEDIMENT CONTROLS.
 4. CHECK THE STRUCTURE FOR DAMAGE FROM EROSION. ANY RIPRAP DISPLACED FROM THE SPILLWAY MUST BE REPLACED IMMEDIATELY.

1 PLAN - SITE PLAN
SCALE: 1" = 50'

BASE FLOOD ELEVATION = 11'
NORMAL WATER LEVEL = 1'



DATE	BY
02/03/23	JBR
12/02/22	JBR
09/15/22	JBR
REVISION	REVISION
FOR REGULATORY REVIEW	FOR REGULATORY REVIEW
FINAL DESIGN	FINAL DESIGN

RELEASED FOR CONSTRUCTION

SEAL 046286
ENGINEER JEFFREY RAY

SEAL NOT VALID UNLESS SIGNED AND DATED

HIGHFILL
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ENGINEERING, P.C.

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CAROLINA BEACH LAKE DREDGE AND STABILIZATION
TOWN OF CAROLINA BEACH
CAROLINA BEACH, NC

SITE PLAN

PROJECT NO.
TCB2201

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