

EXCAVATION and FILL

(Except for bridges and culverts)

Attach this form to Joint Application for CAMA Major Permit, Form DCM MP-1. Be sure to complete all other sections of the Joint Application that relate to this proposed project. Please include all supplemental information.

Describe below the purpose of proposed excavation and/or fill activities. **All values should be given in feet.**

Dredge Template Description

Area	Existing Avg. Depth (MLW -ft)	Proposed Depth (MLW-ft)	Length (ft)	Width (ft)	Side Slope (H:V)	Est Volume (CY)	Placement Location
Feeder Channel	-3 MLW	-6 (-5+1 MLW)	3,500	30 - 40	3:1	22,000	Landfill
Finger Canals A_D	-2 MLW	-5 (-4+1 MLW)	3,200	20	3:1	10,700	Landfill
Bay Area	-2 MLW	-6 (-5+1 MLW)	2,200	20 - 80	3:1	15,900	Landfill
S. Jinks Creek	-1.5 MLW	-6 (-5+1 MLW)	1,750	100	5:1	40,500	Nearshore Placement (3rd - 13th Street)
TOTAL			10,650	Varies	Varies	89,100	Varies

1. EXCAVATION

This section not applicable

- a. Amount of material to be excavated from below NHW or NWL in cubic yards.
89,100 CY Total [40,500 CY for Nearshore Placement]
- b. Type of material to be excavated.
sand, silty sand, sandy silt, and silt
- c. (i) Does the area to be excavated include coastal wetlands/marsh (CW), submerged aquatic vegetation (SAV), shell bottom (SB), or other wetlands (WL)? If any boxes are checked, provide the number of square feet affected.
 CW _____ SAV _____ SB _____
 WL _____ None
- (ii) Describe the purpose of the excavation in these areas:
a 10-ft buffer will be maintained from any coastal marsh
- d. High-ground excavation in cubic yards.
0 CY

2. DISPOSAL OF EXCAVATED MATERIAL

This section not applicable

- a. Location of disposal area.
Landfill Facility off State Rd. 1154 in Shallotte (Non-beach compatible material)
Nearshore placement seaward of 3rd to 13th St. on Sunset Beach. (Beach compatible material)
- b. Dimensions of disposal area.
< 2 Ac - Landfill facility (non-beach compatible material)
9.2 Ac - Nearshore placement site (beach compatible material)
- c. (i) Do you claim title to disposal area?
 Yes No NA
- (ii) If no, attach a letter granting permission from the owner.
- d. (i) Will a disposal area be available for future maintenance?
 Yes No NA
- (ii) If yes, where?
Same location
- e. (i) Does the disposal area include any coastal wetlands/marsh (CW), submerged aquatic vegetation (SAV), shell bottom (SB), or other wetlands (WL)? If any boxes are checked, provide the number of square feet affected.
 CW _____ SAV _____ SB _____
 WL _____ None
- (ii) Describe the purpose of disposal in these areas:
- f. (i) Does the disposal include any area in the water?
 Yes No NA
- (ii) If yes, how much water area is affected?
9.2 Ac- Nearshore material placement (below MHW)

3. SHORELINE STABILIZATION

(If development is a wood groin, use MP-4 – Structures)

This section not applicable

- a. Type of shoreline stabilization:
 Bulkhead Riprap Breakwater/Sill Other:
Nearshore Placement
- b. Length: 2,000 ft
 Width: 200 ft
- c. Average distance waterward of NHW or NWL: 100
- d. Maximum distance waterward of NHW or NWL: 600 ft to 800 ft
- e. Type of stabilization material:
Sand
- f. (i) Has there been shoreline erosion during preceding 12 months?
 Yes No NA
 (ii) If yes, state amount of erosion and source of erosion amount information.

- g. Number of square feet of fill to be placed below water level.
 Bulkhead backfill _____ Riprap _____
 Breakwater/Sill _____ Other _____
- h. Type of fill material.
Sand
- i. Source of fill material.
S. Jinks Creek Navigation Channel

4. OTHER FILL ACTIVITIES

(Excluding Shoreline Stabilization)

This section not applicable

- a. (i) Will fill material be brought to the site? Yes No NA
 If yes,
 (ii) Amount of material to be placed in the water _____
 (iii) Dimensions of fill area _____
 (iv) Purpose of fill _____
- b. (i) Will fill material be placed in coastal wetlands/marsh (CW), submerged aquatic vegetation (SAV), shell bottom (SB), or other wetlands (WL)? If any boxes are checked, provide the number of square feet affected.
 CW _____ SAV _____ SB _____
 WL _____ None _____
 (ii) Describe the purpose of the fill in these areas:

5. GENERAL

- a. How will excavated or fill material be kept on site and erosion controlled?
Material will be placed directly in open water via hydraulic pipeline. The pipe will be maneuvered to keep the beach material within the authorized nearshore placement site.
- b. What type of construction equipment will be used (e.g., dragline, backhoe, or hydraulic dredge)?
Hydraulic dredge for nearshore placement / mechanical dredge (excavator) & dump truck for non-compatible
- c. (i) Will navigational aids be required as a result of the project?
 Yes No NA
 (ii) If yes, explain what type and how they will be implemented.
Temporary aids (lights) will be provided by the Contractor during construction and will be placed on the construction equipment (Dredge, barge, and pipeline)
- d. (i) Will wetlands be crossed in transporting equipment to project site? Yes No NA
 (ii) If yes, explain steps that will be taken to avoid or minimize environmental impacts.

Date: 8/18/2020 Project Name: Sunset Beach Navigation Project - Maintenance Dredging of South Jinks Creek, the Bay Area and the Feeder Channel

Applicant Name: David S. Phillips (Mayor) Applicant Signature: 