

ATTACHMENT 6

ADDITIONAL PLANS – CROSS SECTIONS

Please see **Attachment 5** for all applicable plans and cross sections

ATTACHMENT 7

CONSTRUCTION PLAN

The marina expansion works are anticipated to begin this Fall (2021) and extend into early 2022 with the goal of completing the project prior to the 2022 boating season which generally begins around May. Construction will proceed according to the following general sequence:

1. Establish environmental protection protocols: If necessary, turbidity curtains, silt fence(s), and other environmental protection measures will be installed in accordance with all applicable environmental regulations, codes, and permit requirements.
2. Conduct dredging activities: Dredge material will be excavated using a crane and deposited into a floating barge where the material will be partially dewatered. The dredged material will then be offloaded for further dewatering at an upland dewatering site (lined with geotextile and hay bales). Dewatered material will then be loaded onto trucks and delivered to an existing gravel pit (approximately 12 miles away) for final placement and grading in accordance with MDEP's Beneficial Use of Dredge Material permit (S-022546-W3-A-N).
3. Install floating dock anchor piles: Floating dock anchor piles will be installed via barge-mounted equipment utilizing diesel and/or hydraulic impact hammers.
4. Construct fixed gangway access platform: Pilings will be driven to required embedment depths utilizing diesel and/or hydraulic impact hammers and the superstructure and decking will be installed.
5. ~~Install floating docks:~~ The floating docks will be fabricated in sections by the selected dock manufacturer and shipped to the site either via barge or truck. Dock sections will be offloaded, placed into position, and attached to the ~~previously-driven anchor piles.~~
6. Install gangway and utilities: Once the floating docks are in place, the ~~gangway will be installed~~ and the marina utilities will be routed to the new floating docks.
7. Construct existing pier shoreward extension: This work will not directly affect the other works and may be conducted at any time over the course of the project.
8. Clean-up and Demobilization: Remove all equipment, debris, silt fences, or other construction-related materials from the site.

ATTACHMENT 8

EROSION CONTROL PLAN

To ensure that environmental impacts and potential for erosion/sedimentation are minimized and/or avoided to the extent practicable, the following protocols will be undertaken:

- Prior to construction, the Contractor will be required to submit a Work Plan describing their proposed construction approach, methodology, and equipment to be used. This plan will be reviewed by the Owner and/or their representative(s) to ensure compliance with applicable regulatory requirements and BMPs.
- If necessary, turbidity curtain(s) will be deployed around area(s) of active over-water construction prior to initiation of any construction activities to prevent migration of sediment or other materials outside of the active work area(s).
- Any land disturbing activities associated with the shoreward extension of the existing pier, laydown/storage areas, etc. shall avoid encroachment into any wetland areas outside of the permitted impact area.
- Silt fence(s) will be installed downgradient of any disturbed upland areas and/or stockpile areas to minimize potential for erosion or sedimentation during construction activities.
- Temporary seeding/mulching will be used to stabilize any disturbed upland areas that have not been prepared for final seeding or stabilization.
- Permanent seeding/mulching will be utilized to stabilize any disturbed upland areas at the conclusion of the construction activities.