

# PROPOSAL FOR THE DNR STRUCTURE REMOVAL - OPTION 1 STRAWBERRY BAY...CYPRESS ISLAND

This document is being proffered by Alan Clarey a 50 year resident of Madrona Estates Inc. as a working example of how the DNR can accomplish their desire to remove all existing structures on the Cook acquisition **and not convert the existing fresh water wetlands** that has been documented to have existed for centuries into a saltwater wetland...it is being offered as one option of at least 3 options open for discussion and negotiation...these and the other options are just examples how the DNR can accomplish their objective as one of the 3 options as stated in the Paul McFarlane correspondence of October 23, 2023

## Equipment Required

Equipment required for this option shall be transported to the removal site by DNR or commercial landing barges contracted by the DNR, off loaded at the Mardona Community Inc (MCI) main landing and then moved via the MCI lower road to the main home removal site.

- John Deere excavator or equivalent...excavator to be either a Model 120 or Model 150...either unit must be equipped with a thumb, digging bucket and also a scrapping bucket...this unit should be available from DNR inventory.
- 2 – 3 or 5-yard dump trucks preferably 4 wheel drive which may be available from DNR inventory.
- Sufficient beach matting also from DNR inventory to off load the excavator, trucks and other materials needed for the project from the extraction barge at high tide.

United Rentals should have all the necessary equipment and materials for rent should the DNR not have some of it in their inventory.

## Scope of Project

The removal of all DNR designated structures on the DNR property formerly owned by Phillip Cook and the restoration of the property to its original condition **except the current flow and direction of Stream 2 will be maintained and not changed from its current status**...the reconstruction of the beach front and anything moved to expedite the removal of designated materials will be replaced as close to original as possible... followed by raking and back seeding with native seed and vegetation of any disturbed areas or open ground caused by equipment or process upon completion.

## Deconstruction Sequencing of Main Cabin

All of the following steps are subject to change, modification and the addition of steps not shown.

- Anchor removal barge in MCI moorage area in an MCI designated location or arrange for debris removal by commercial transportation, i.e. DNR landing barge or the Island Ferry and Barge or the Island Transporter.
- Mobilize excavator to main home removal site utilizing MCI lower road.
  - Branches and over hanging tree limbs will need to be trimmed before equipment movement.
- Clear appropriate roadway for debris removal via MCI lower road.

- Document all necessary items for historical value before removal.



- Pulverize existing home and supporting structures so as fit debris into 3 or 5-yard dump trucks and transport to MCI main landing via lower road and load onto extraction barge at high tide across beach matting.
- Rake and clean building site and back seed with native grasses and small trees as deemed necessary.



- Reconstruct the stream bed to mitigate any undue flooding guiding the water flow into Stream 2.

## Deconstruction Sequencing of Beach Front Structures

- Move and anchor extraction barge and beach matting after initial completion of large cabin removal to a new location opposite the RED beach front cabin.
- Move track hoe and 3 or 5-yard dump trucks to beach front cabin area via MCI lower road through MCI Lot 1.
- Remove and pulverize existing wooden bridge, footings and non-native materials and stage for removal.
- Crush and pulverize red beach cabin and all other structures and stage for removal.
  - Seal existing out house ground opening to protect the environment from residual fecal material.
- Stage all materials on site for removal over a ramp to be constructed over the lowered swimming pool area.

## Deconstruction of Swimming Pool Area

- Remove all woody debris from inside of the swimming pool and distribute native materials around site and stage all other non-native materials stage for removal.
- Crush and pulverize sides of swimming pool and leave in the pool for ramp material.
- Excavate Sea Gate Pond area and place all excavated materials into the pool area as necessary to create a ramp over the pool...remove any additional beach logs as necessary to complete the loading ramp and store for replacement later.
- Lower the log berm on the seaward side of the swimming pool as necessary to facilitate debris removal and stage rock and logs removed for reconstruction.
- Place drivable mats as necessary on the constructed ramp.
- Place beach mats and remove all debris to extraction barge at suitable high tides.

## Deconstruction of Existing Corrugated Pipe



- Remove 20'-0" section of damaged and partially obstructed 24" corrugated pipe lying on DNR land and place on extraction barge for removal.
- Place appropriate rip-rap rockery at out fall of the remaining corrugated pipe to mitigate active silting to protect existing Eel grass fields directly seaward.

## Debris Removal

- Remove all staged debris over constructed ramp to the extraction barge at appropriate high tides.

## Reconstruction

- Rebuild beach berm to its original elevation with native rock and logs staged at the beginning of the project.
- Remove matting and non-native materials via extraction barge.
- Rake and clean site and back seed with native grasses.

## Equipment Removal

- Move equipment to MCI main landing and remove it from the island using DNR landing barges, or commercial transportation, i.e. Island Ferry and Barge or Island Transporter.

## Sea Gate Repair Option



The option here is to whether or not to repair the existing 70+ year old Sea Gate that is currently working but at a diminished capacity and without...the actual Sea Gate which has rusted off and is lying in the bottom of the concrete vault. Consequently the seawater and fresh water flow through the structure without restriction and is tide dependent. **To restore the vault to its originally designed function to not allow for salt water intrusion into the fresh water wetlands a new gate is proposed to be installed**

**to regain the the original design functionality**...or should the choice be to not allow the installation of a new Sea Gate and pond excavation the result would a very limited amount of highly diluted saltwater intrusion into the freshwater wetlands as it currently exists today at maximum high tides.

Respectfully,

Alan D. Clarey