Ivins City Staff Report
City Council Meeting 5/7/2015

Agenda Item: Discuss and consider approval of expenditure not to exceed $75,000 to haul and place sand at the Ivins Reservoir recreation swim area

Submitted by: Charles R. Gillette, P.E., City Engineer

Recommended City Council Action:
Approve expenditure not to exceed $75,000 to haul and place sand at the Ivins Reservoir recreation swim area and other miscellaneous improvements if possible

BACKGROUND:
Ivins Reservoir is becoming a priority for improvement to Ivins City for recreation. The Washington County Water Conservancy District has started constructing a causeway dam to separate the recreation bay section from the main reservoir in an effort to provide a recreation opportunity for the reservoir regardless of water level in the main reservoir. The District also is building a non-potable water supply line to the bay that will provide a supply of Gunlock water to constantly keep the water fresh.

FINDINGS AND ANALYSIS:
It seems imperative that Ivins City provide a sandy beach immediately before the bay is submerged. Staff has looked at various sources of sand and found that using a red native blow sand will be far more economical than importing any other sands despite the drawbacks of the fact that the blow sand will shift with winds and will potentially need to be replenished in the future. Staff has solicited informal bids from three contractors, one of which is the contractor that is currently onsite, to import sand from Shivwits Indian Reservation pit next to the service station and deliver the material to Ivins Reservoir while back hauling the excavated material back to the reservation pit.

The results of the bids based on importing sand just to the recreation bay area at a depth of 12" in areas submerged and 24" in areas no submerged are as follows:

PCI:	$80,444 (contractor constructing dam)
Prime Excavation:	$63,152
Sunroc Construction:	$133,466

Staff recommends that the City establish a contract with Prime Excavation. The $12,000 of contingency is needed because the quantity estimates could change. If money is left over after the import of the sand the contingency may be used to extend a culinary water line and possible power conduits to the site.

SUPPORT MATERIALS:
- Sand Exhibit Map
- Beach Detail

FINANCIAL IMPACT:
GL49404069.9: $75,000

Respectfully Submitted: _____
Charles R. Gillette, P.E., City Engineer

Content Review: _____
Dale Coulam, City Manager

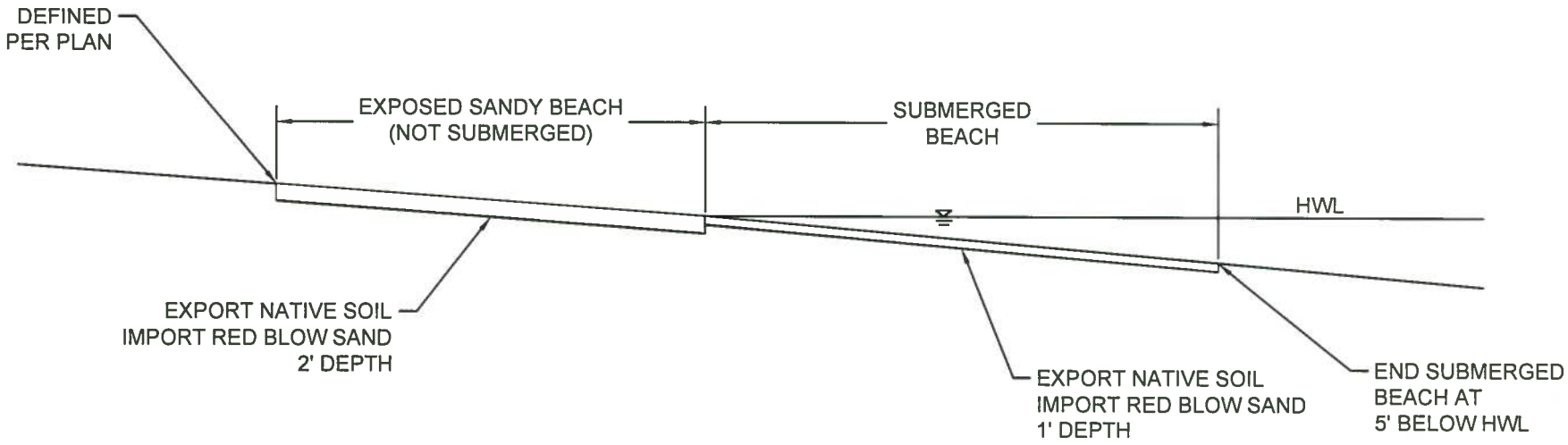


Exhibit B
Sand Source for Ivins Reservoir

Public Works Department
GIS Mapping
(435) 634-0689

5/5/2015

IVINS RESERVOIR BEACH DETAIL



HWL: HIGH WATER LEVEL IS DEFINED AS BASE LEVEL OF CAUSEWAY SPILLWAY