

## Information for File # 2013-04223-JRS

**Applicant:** Town of Liberty Grove, Mr. Walter Kalms

**Corps Contact:** Joey Shoemaker

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**Primary County:** Door

**Section:** 36

**Township:** 32 North

**Range:** 28 East

**Information Complete On:** November 21, 2013

**Posting Expires On:** December 21, 2013

**Authorization Type:** LOP-06-WI

This application is being reviewed in accordance with the practices for documenting Corps jurisdiction under Sections 9 & 10 of the Rivers and Harbor Act of 1899 and Section 404 of the Clean Water Act identified in Regulatory Guidance Letter 07-01. We have made a preliminary determination that the aquatic resources that would be impacted by the proposed project are regulated by the Corps of Engineers under Section 404 of the Clean Water Act. Our jurisdictional review and final jurisdictional determination could result in modifications to the scope of the project's regulated waterbody impacts and compensatory mitigation requirements identified below.

### **Project**

#### **PROJECT DESCRIPTION AND PURPOSE:**

The Town of Liberty Grove is proposing a beach nourishment project located at Sand Bay Public Town Park in Door County, WI. The project would include the placement of approximately 2 feet of additional sand throughout 1.16 acres of existing degraded beach. The landward side of the beach would have low (2-3 foot) dunes constructed that would be planted with native grass species. Sand would then be tapered/sloped lake ward to meet existing lakebed. An underground drain tile would also be placed upslope of the Ordinary High Water Mark of Green Bay to catch and route ground water around the nourished beach area. One boardwalk and 2 cordwalk paths would also be included in the construction to allow pedestrian access to the beach.

The purpose of the proposed project is to improve water quality and increase beach area at the location for continued recreational use. The existing beach is flat, comprised of fine sands and has a large swash zone. This environment allows for standing water that attracts waterfowl to the area which has the potential to increase E. coli counts. The elevated and sloped nature of the proposed beach would likely prevent water from collecting and becoming a water quality issue. The constructed dunes would slow overland flow, increase infiltration, remove or break down potential pollutants and serve as a visual barrier for waterfowl. The installation of the drain tile would likely minimize sand erosion from the beach as a result of ground water discharge.

**NAME, AREA AND TYPES OF WATERS (INCLUDING WETLANDS) SUBJECT TO LOSS:**

The project would result in the discharge of fill material into 1.16 acres of Green Bay. This would not result in the loss of any waters, as the area will continue to be lakebed.

**ALTERNATIVES CONSIDERED:**

Alternative beach size and configurations were considered during the planning of the project. The beach size was chosen because it maximizes the usable space for recreation, while allowing for the inclusion of significant water quality improvement features. Relocation of the beach area into a more upland position was also considered. This alternative was eliminated, as this would require the destruction of an existing forested picnic area. The beach size and location was also chosen to address the current lake level trend as well as the possibility of lake level increases.

**COMPENSATORY MITIGATION:**

No compensatory mitigation was proposed for the project.

**Drawings**      See attached.

# Sand Bay Park

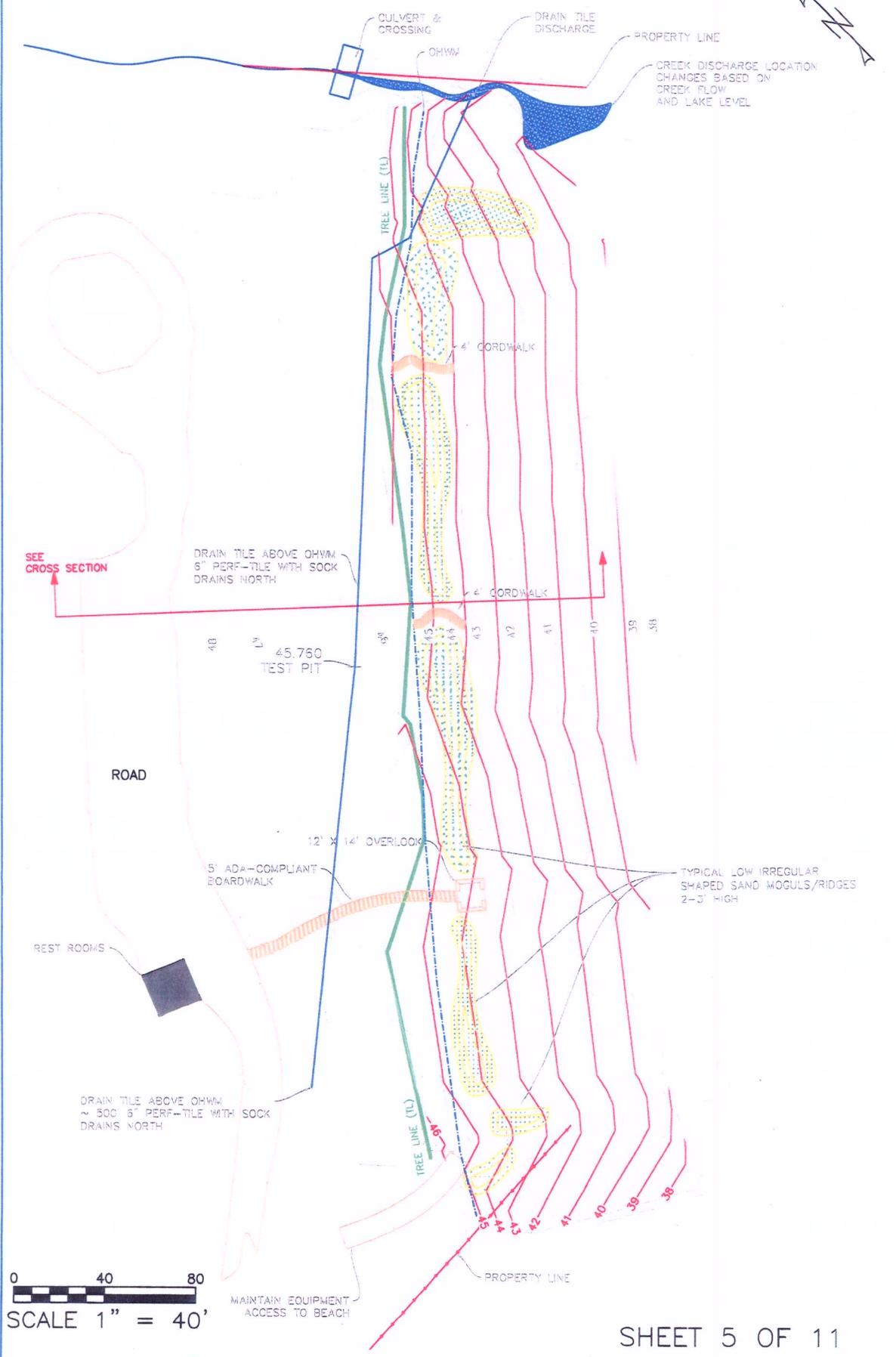
N SAND BAY



100

Feet

# SAND BAY TOWN PARK BEACH



0 40 80  
SCALE 1" = 40'