

Information for File # 2013-04838-WMS

Applicant: Town of Mercer

Corps Contact: Bill Sande

Address: 15954 Rivers Edge Drive, Suite 240, Hayward, WI 54843

E-Mail : william.m.sande@usace.army.mil

Phone: (715) 934-2170

Primary County: Iron

Section: 13

Township: 42N

Range: 2E

Information Complete On: December 30, 2013

Posting Expires On: January 29, 2014

Authorization Type: Letter of Permission (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/wetland impacts and compensatory mitigation requirements identified above. An approved jurisdictional determination will be made prior to reaching a permit decision, and will be posted on the St. Paul District web page at <http://www.mvp.usace.army.mil/>.

Project Description and Purpose: The project involves the replacement of the existing 8' diameter culvert with a 24' span concrete flat slab bridge structure on Popko Circle West Road connecting Trude Lake to the Turtle Flambeau Flowage. The 24' span concrete flat slab bridge structure was selected to replace the culvert to provide 5 feet of vertical and 21.5 feet of horizontal clearance to allow navigation between the two waterways. The roadway would be raised approximately 3.8 feet and the driving lanes widened from 10 feet to 11 feet to meet current design standards. Beam guard would connect to the bridge railings on each side of the roadway to allow 3:1 sideslopes to be used to reduce impacts and increase safety.

Name, Area and Types of Waters Subject to Loss: Raising the roadway would require discharges of fill material into approximately 15,087 square feet of aquatic bed. The roadway would be raised approximately 225 feet south and 210 feet north of the proposed bridge structure. Rock riprap would extend from the toe-of-slope at the lakebed to 2 feet above the ordinary high water mark.

Alternatives Considered: Four alternatives were considered.

Alternative #1 – Rehabilitate existing culvert: Under this alternative, the existing culvert would be left in place and would be lined. The capacity of the culvert would be reduced and the roadway would not be widened to current design standards. This alternative was dismissed from consideration because it does not meet the basic project purpose.

Alternative #2 – Replace existing culvert: Under this alternative, the roadway would not be widened to current design standards and the capacity of the culvert would not be increased. This alternative was dismissed from further consideration because it does not meet the basic project purpose.

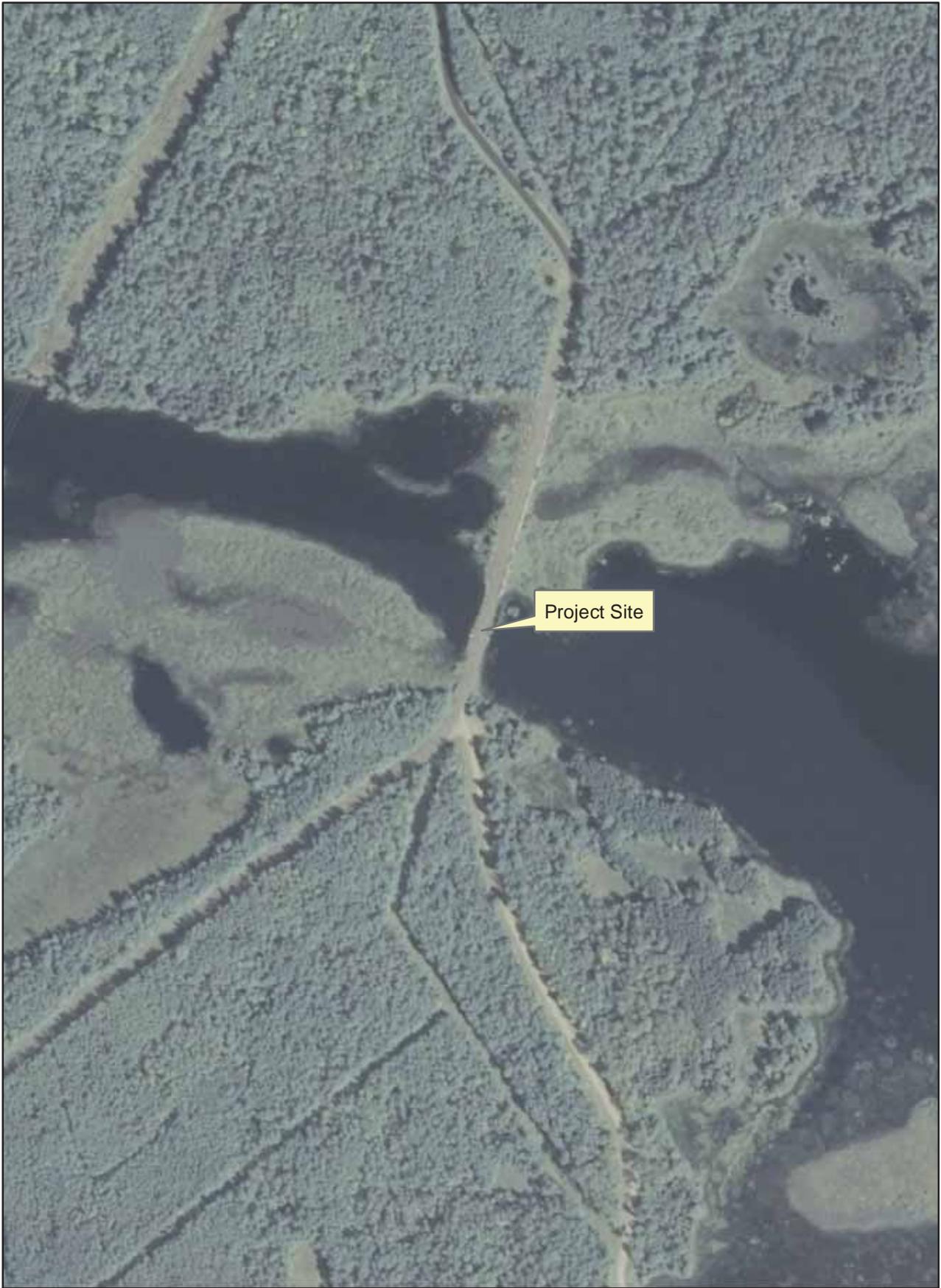
Alternative #3 – Replace culvert with a bridge without providing 5 feet of navigational clearance: This alternative would provide a new structure and required roadway width, but would not provide the necessary navigational clearance for boat traffic. This alternative would impact approximately 5,900 square feet of aquatic bed. This alternative was dismissed from further consideration because it does not meet the basic project purpose.

Alternative #4 - Replace culvert with a bridge without widening the Roadway: This alternative would impact approximately 13,300 square feet of aquatic bed. This alternative was dismissed from further consideration because it would not provide a safe roadway in accordance with current design standards.

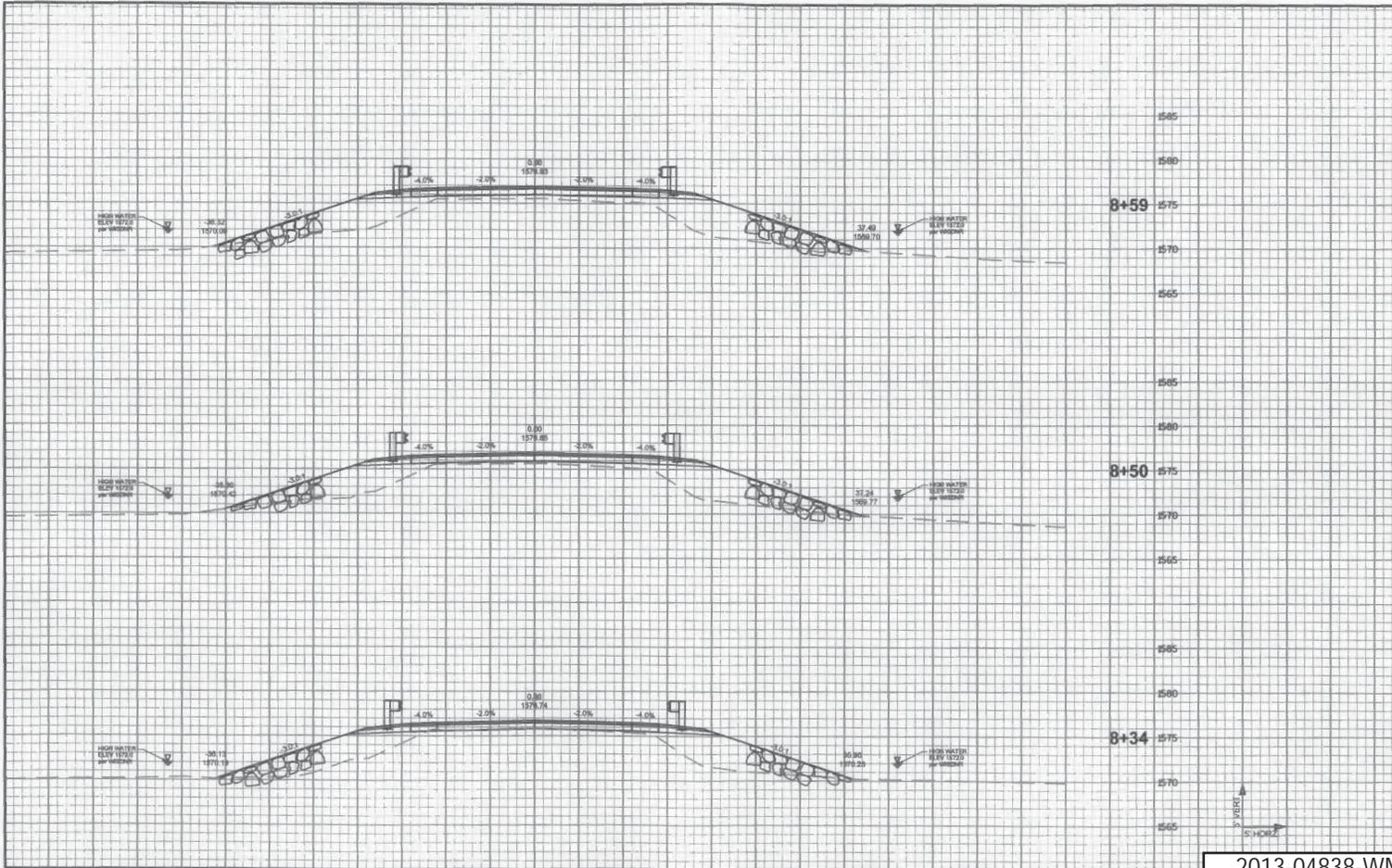
Compensatory Mitigation: As indicated above, the preferred alternative would result in the loss of approximately 15,087 square feet of aquatic bed. However, replacing the existing 8-foot diameter culvert with a 21.5-foot wide bridge would restore approximately 1,125 square feet of aquatic bed and improve the hydrologic connectivity of Trude Lake and the Turtle Flambeau Flowage, resulting in enhanced passage of fish and other aquatic & semi aquatic organisms.

Drawings See attached.



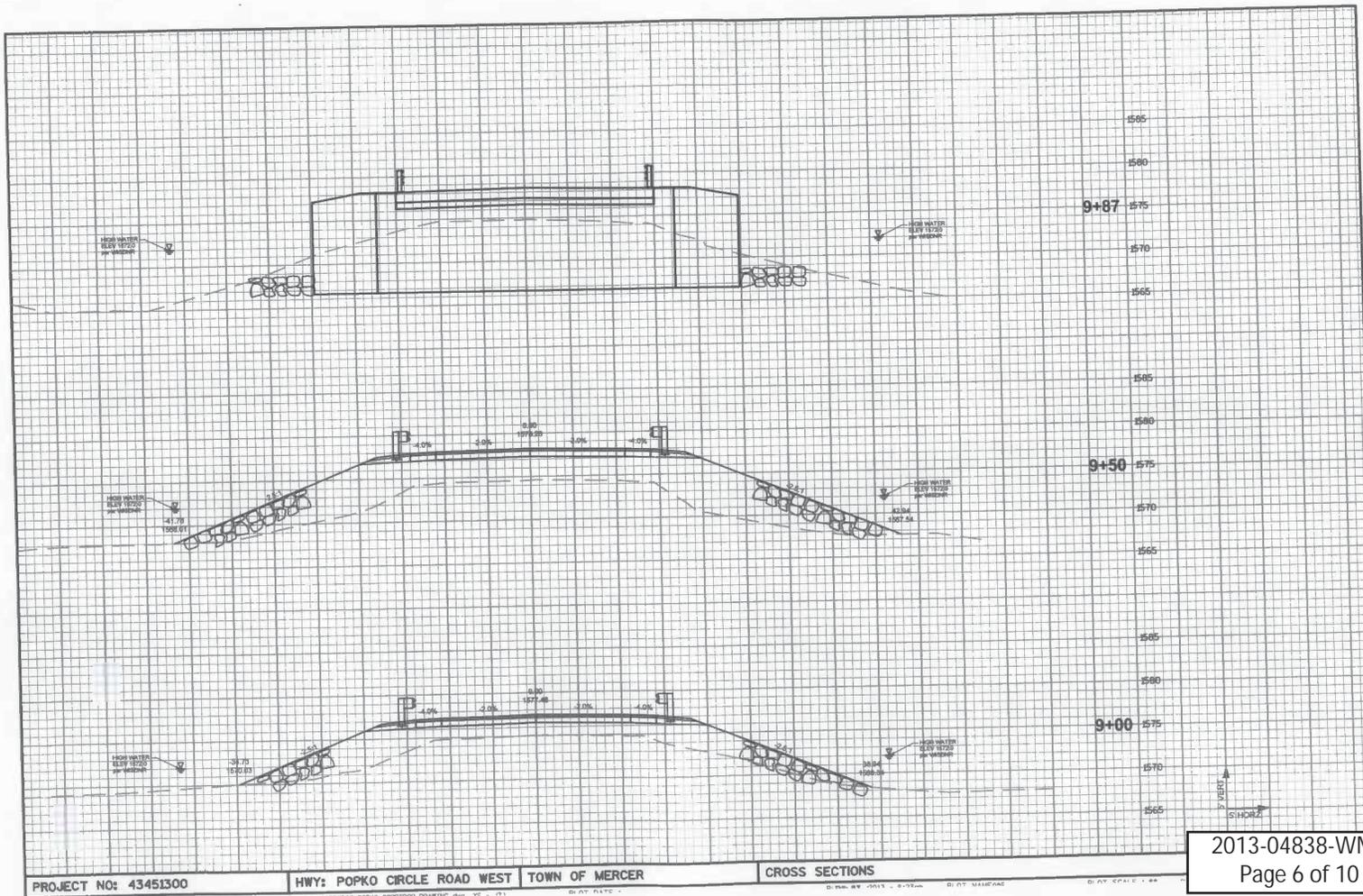


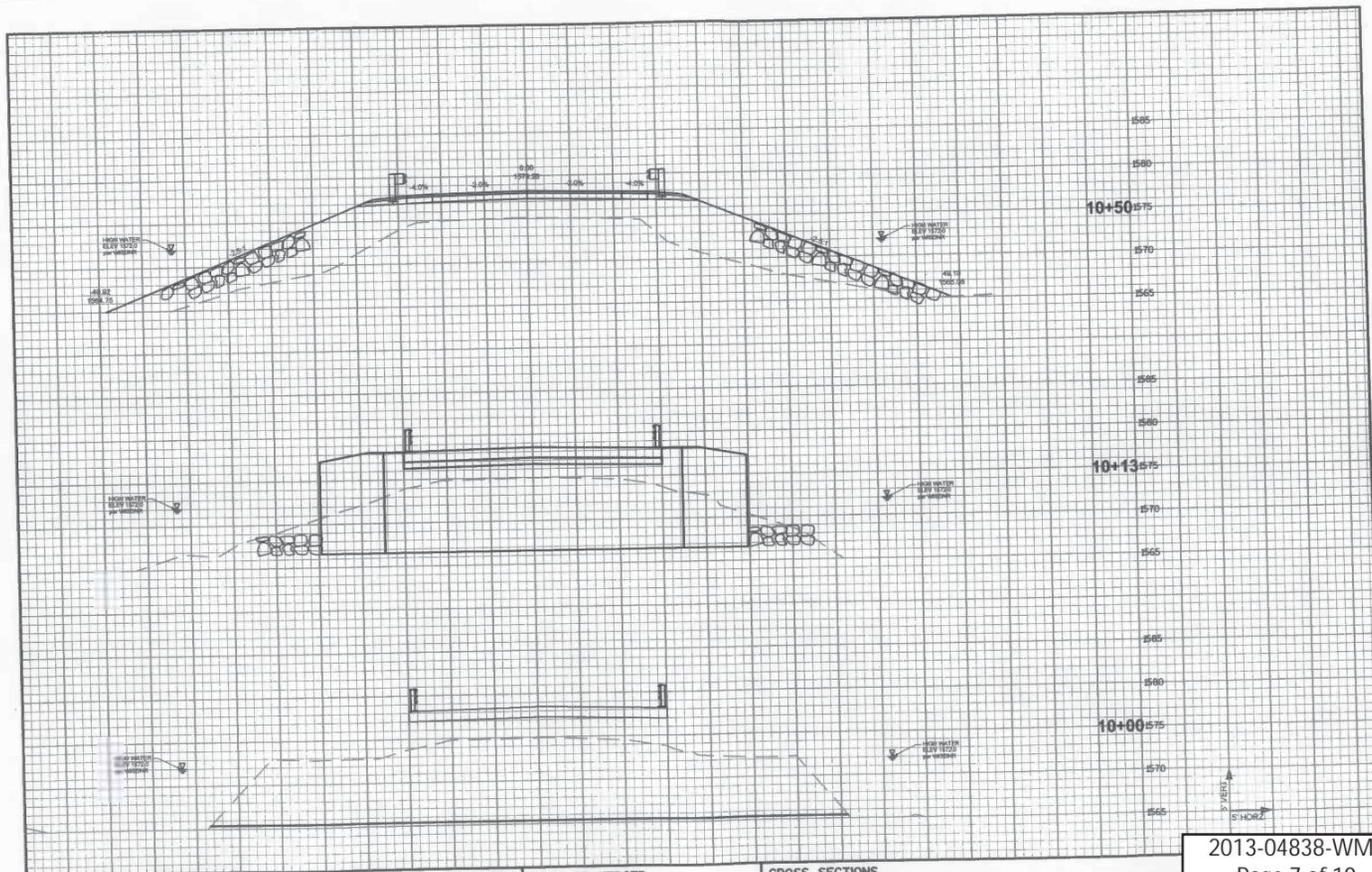
Project Site



PROJECT NO: 43451300 | HWY: POPKO CIRCLE ROAD WEST | TOWN OF MERCER | CROSS SECTIONS

2013-04838-WMS
Page 5 of 10



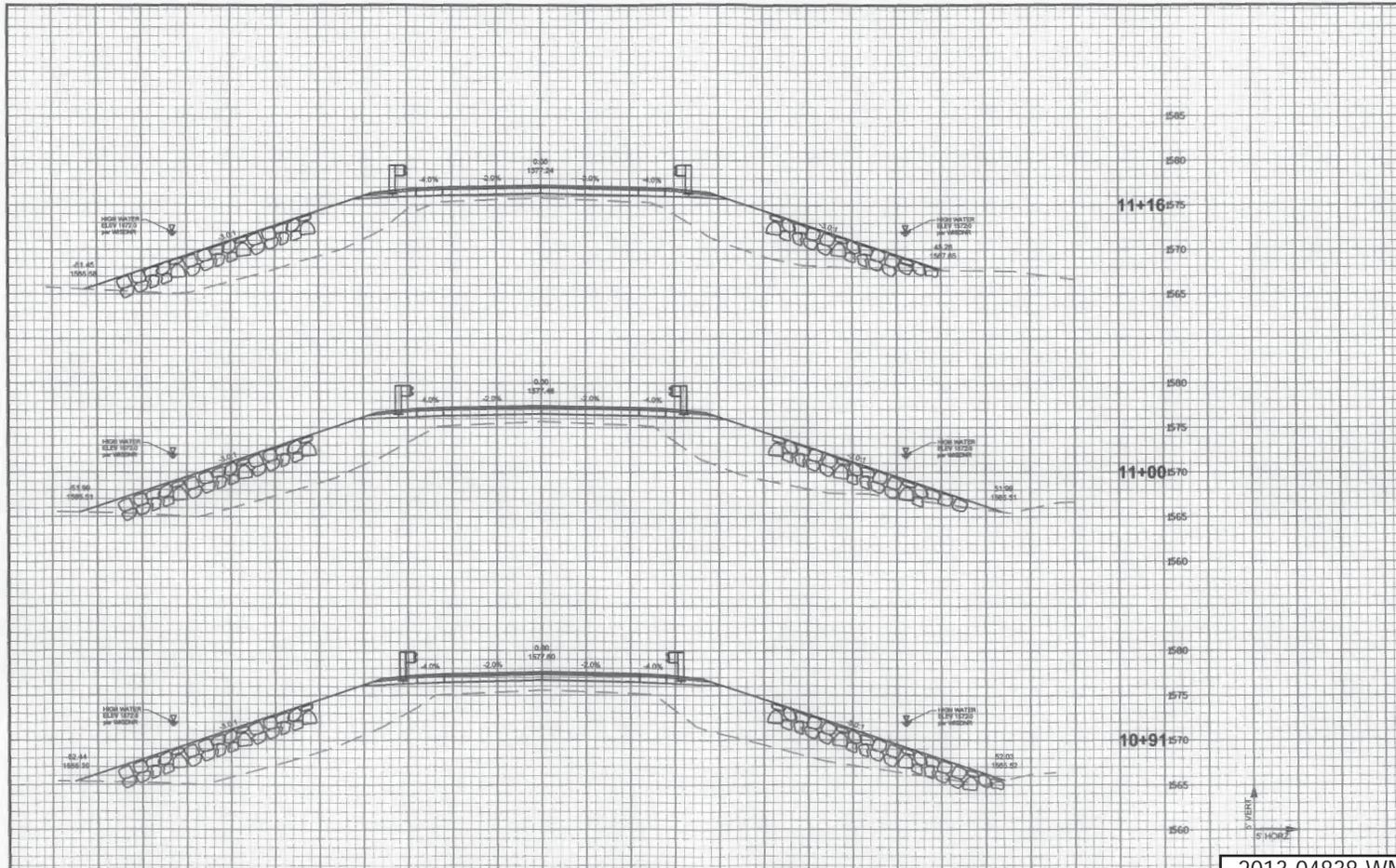


PROJECT NO: 43451300

HWY: POPKO CIRCLE ROAD WEST TOWN OF MERCER

CROSS SECTIONS

2013-04838-WMS
Page 7 of 10

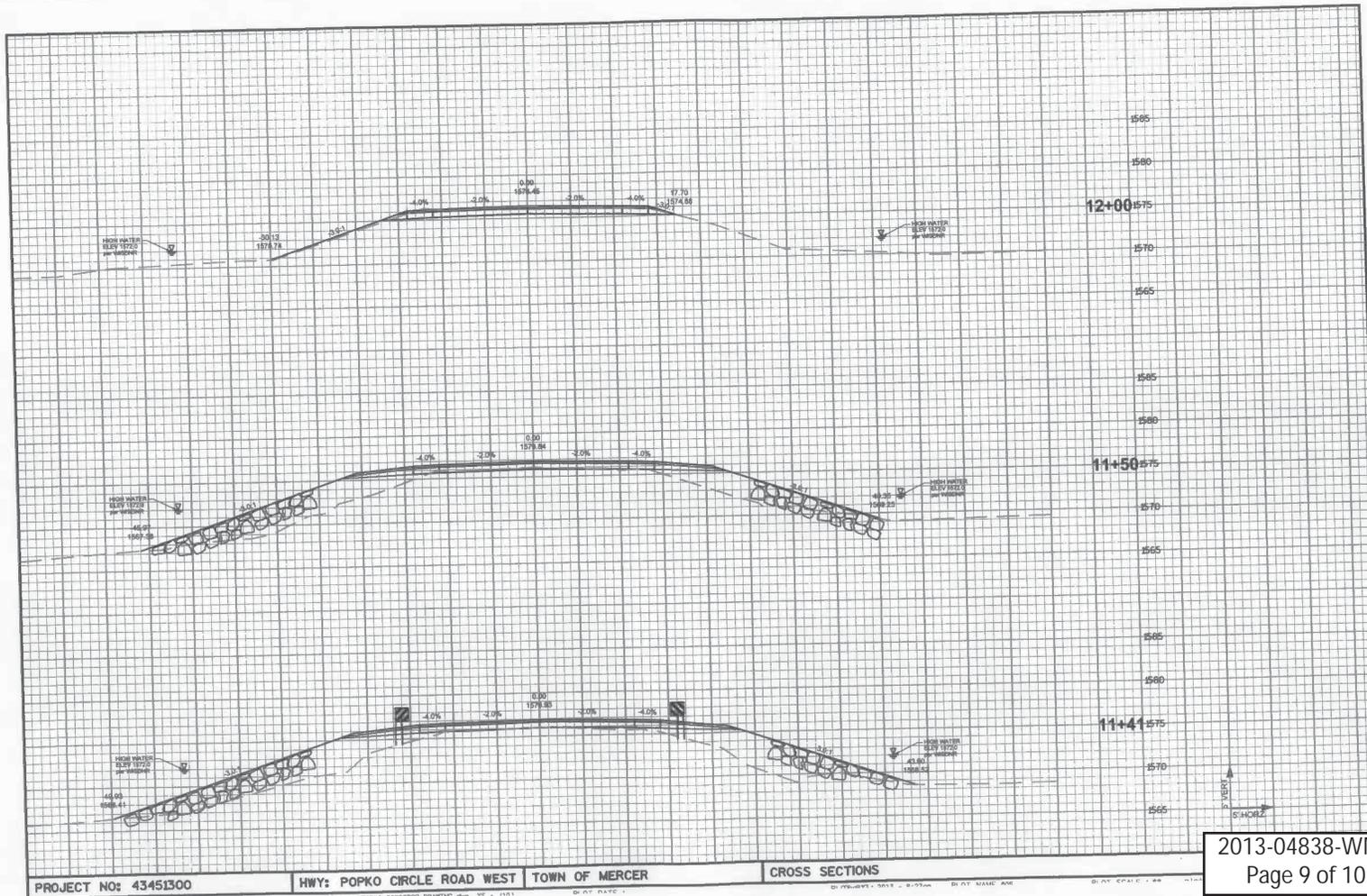


PROJECT NO: 43451300

HWY: POPKO CIRCLE ROAD WEST TOWN OF MERCER

CROSS SECTIONS

2013-04838-WMS
Page 8 of 10



PROJECT NO: 43451300 HWY: POPKO CIRCLE ROAD WEST TOWN OF MERCER CROSS SECTIONS

