

Two Rivers Watershed District Klondike Clean Water Retention Project #11 Fact Sheet – 10/1/22



**Two Rivers
Watershed District**

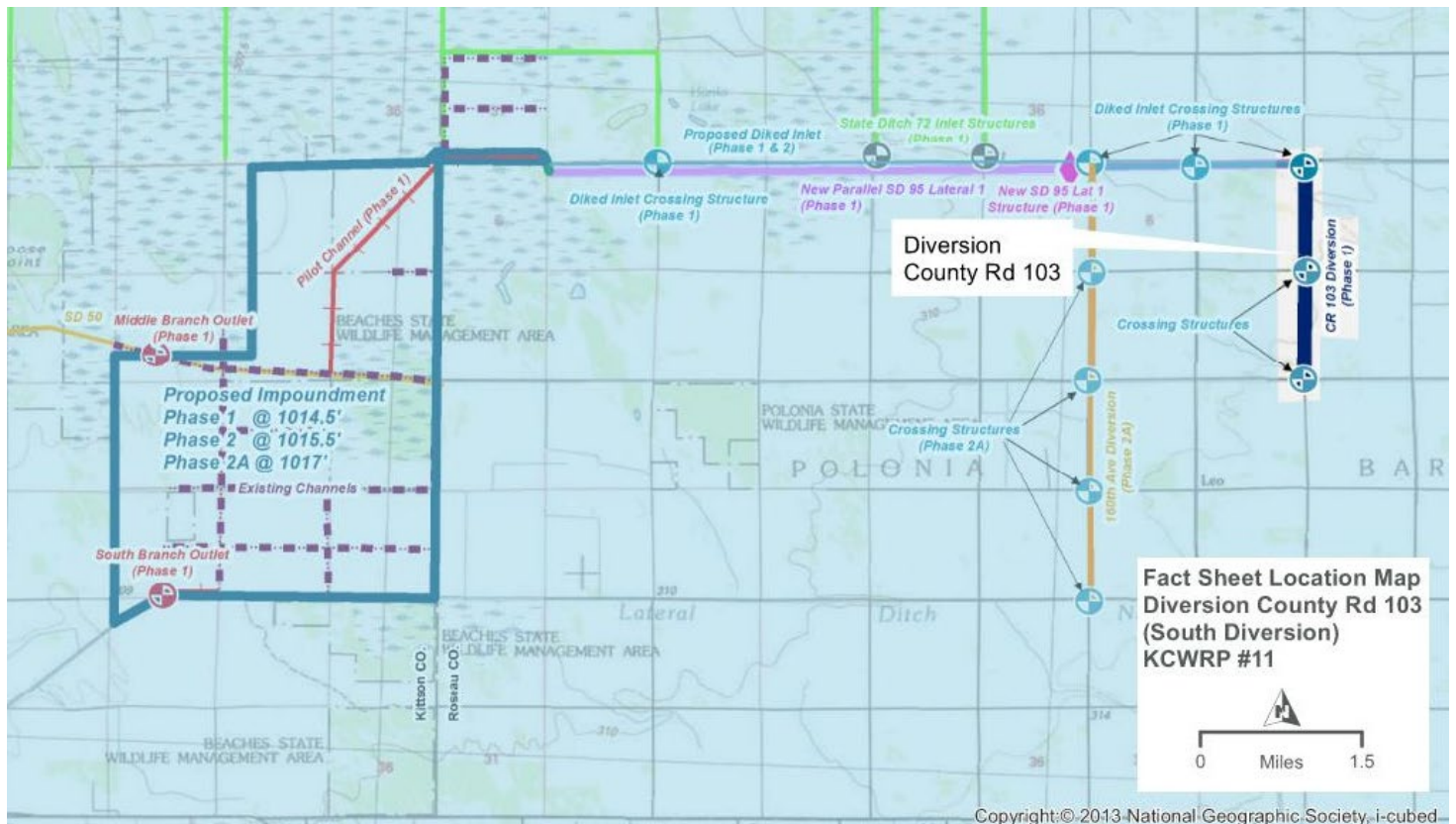
Diversion County Road 103

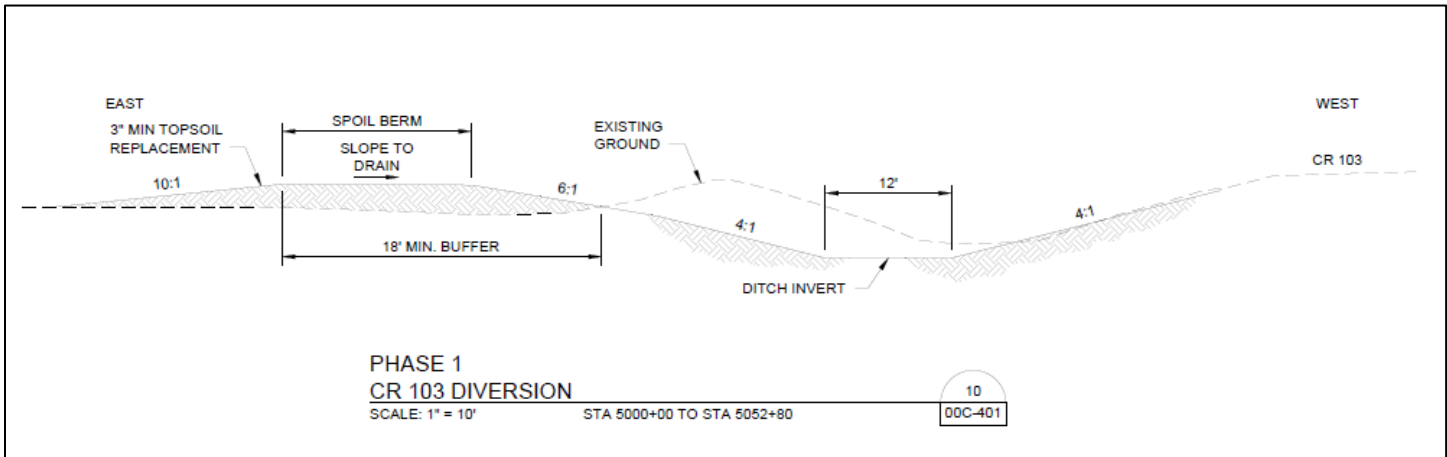
A new channel that will divert flows out of SD 95 Lat 1 Br 3 to the north and into the Diked Inlet will be constructed along the east side of County Road 103 (CR 103).

The existing ditch is only about 2 feet below natural ground along CR 103, and less than 5 feet below the edge of the road. The bottom width is 3 to 8 feet. There is a berm on the field side of the ditch when it gets near SD 95 Lat 1. Otherwise, the land to the east is unprotected from breakouts.

This diversion is planned for Phase 1 and designed for a 50-year capacity. The drainage area for Br 3 Lat 1 SD 95 at this diversion is 14.7 square miles. The diversion will pick up an additional 2.75 square miles of drainage area before reaching SD 95 Lat 1, which normally reaches SD 95 Lat 1 by going under CR 103 and across private lands.

The diversion inlet culverts are proposed to be higher than the existing ditch. Therefore, a 2-year, 24-hour runoff event will bypass this diversion through the existing culvert in Br 3 Lat 1 SD 95. Flap gates on the north end (diversion outlet) will prevent flows from leaving SD 95 Lat 1 and keep flows from entering the Diked Inlet when water levels reach elevations higher than the CR 103 Diversion. This design will keep post-project flooding conditions the same or better than the existing condition.





Looking south at Roseau Co Rd 103. Section 4 Barto Twp on left; Section 5 Barto Twp on right