

Two Rivers Watershed District Klondike Clean Water Retention Project #11

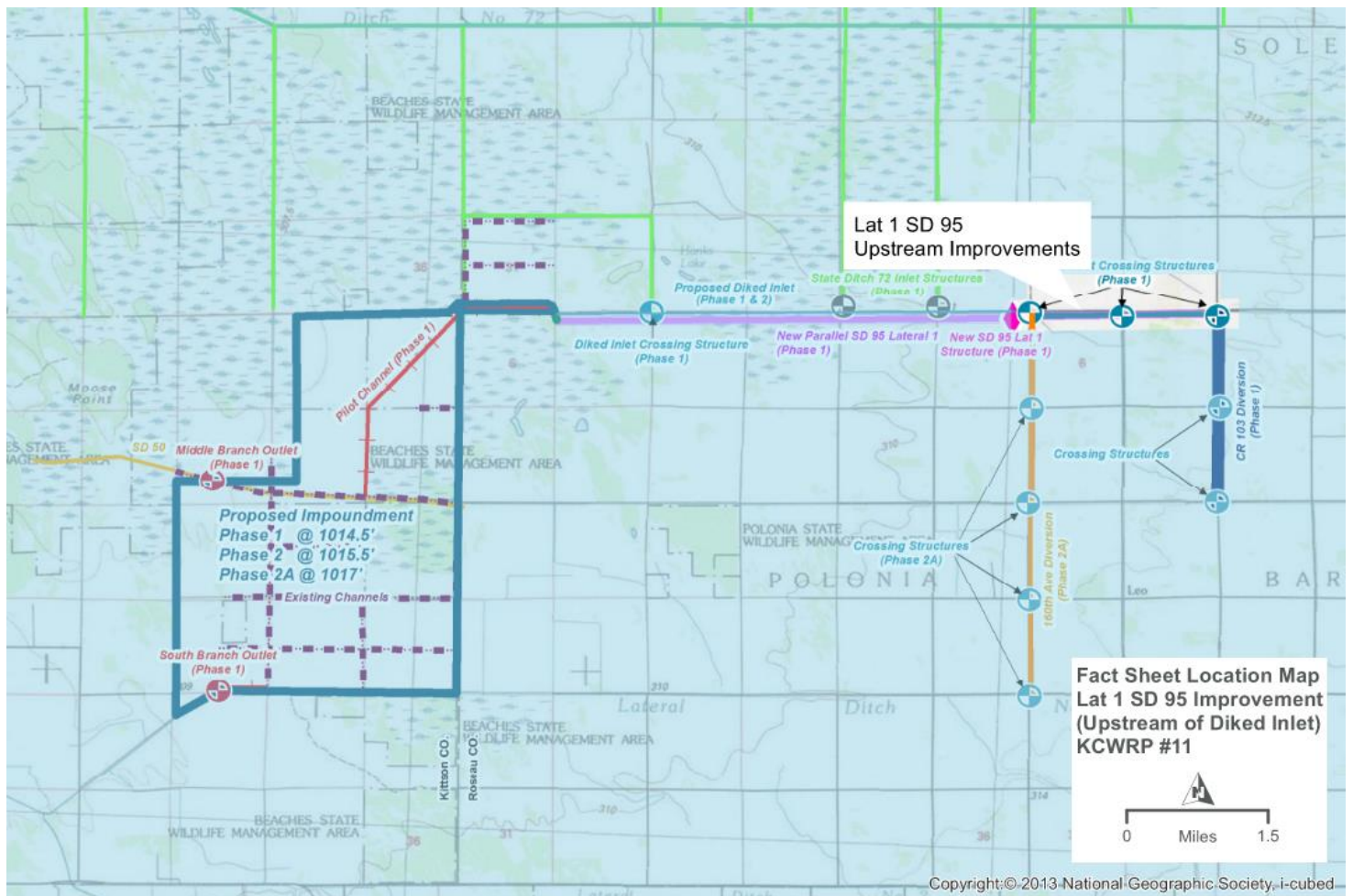
Fact Sheet – 10/1/22

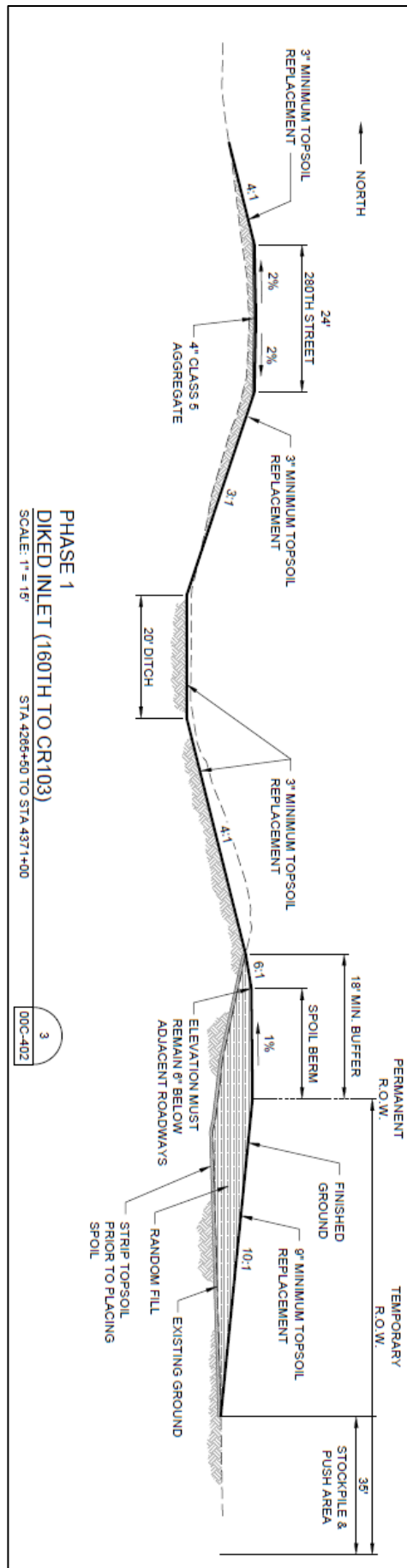


Lat 1 SD 95 Upstream Improvements

The Diked Inlet as an extension of the Retention Area extends only as far as 160th Ave (six miles east of the Roseau Kittson county line). From 160th Ave to CR 103 the existing SD 95 Lat 1 has inconsistent bottom widths and grades. This two-mile section of Lat 1 SD 95 will be improved in Phase 1.

In Phase 1, with a consistent 20' bottom width, 4:1 side slope (field side), and greater than .03% grade, the channel will convey the 50-year, 24-hour event from both upstream drainage areas (Lateral 1 and CR 103 diversion). The existing road side slope is 2.5:1 which appears unstable, due to the slope failures observed during survey. Phase 3 would further expand this channel to a 35' bottom width, which would have capacity to carry the 100-year, 10-day event from SD 95 Lat 1 (1,400 cfs).







Looking south – Section 6 Barto Twp Roseau Co. Lat1 SD95 in foreground