

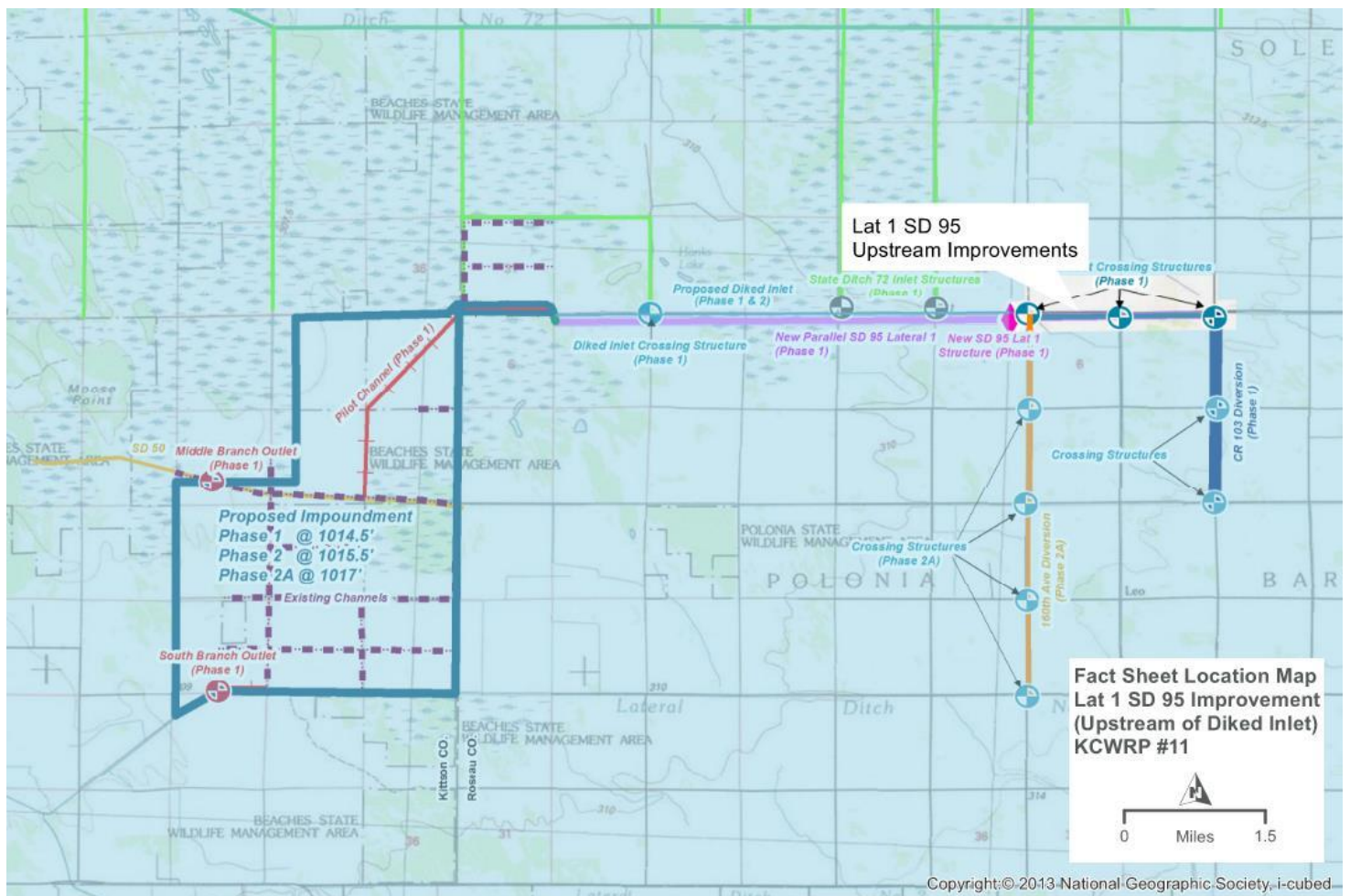
# Two Rivers Watershed District Klondike Clean Water Retention Project #11 Fact Sheet – 10/1/22

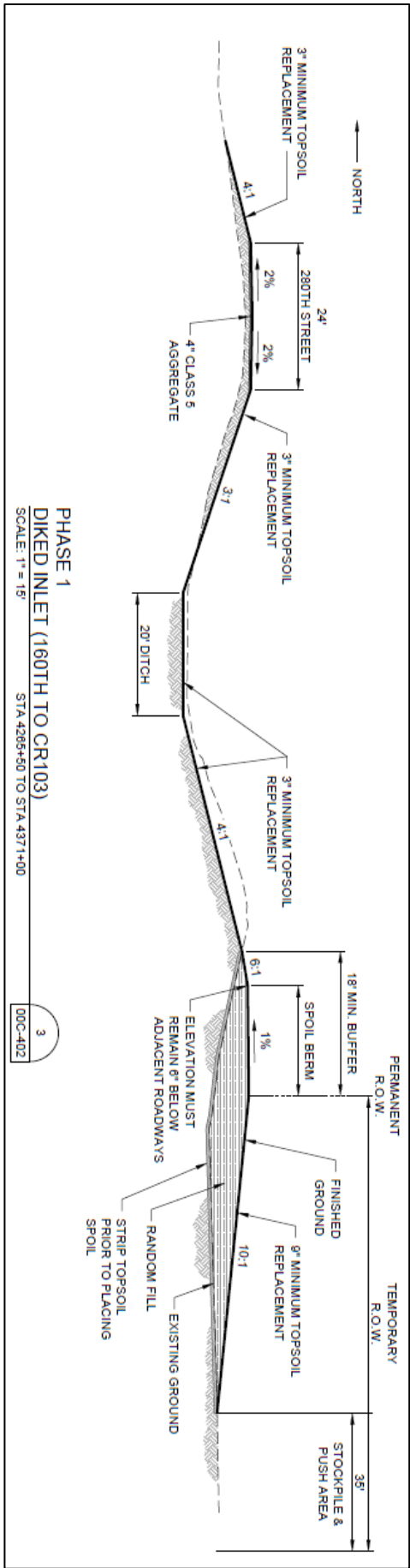


## Lat 1 SD 95 Upstream Improvements

The Diked Inlet as an extension of the Retention Area extends only as far as 160<sup>th</sup> Ave (six miles east of the Roseau Kittson county line). From 160<sup>th</sup> 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