

**Two Rivers Watershed District**  
**Klondike Clean Water Retention Project #11**  
*- Floods, Fish, & Fens - Fact Sheet - 12/18/23*



**State Ditch #72, Lateral 6 Structure**  
**(Huseby Pipe)**

The existing 48” pipe at this location replaced a 24” pipe and was installed in 2011 to provide local agricultural drainage from the east and to allow water that overflows from Roseau River a better outlet to drain floodwaters from SD 72 to SD 95.

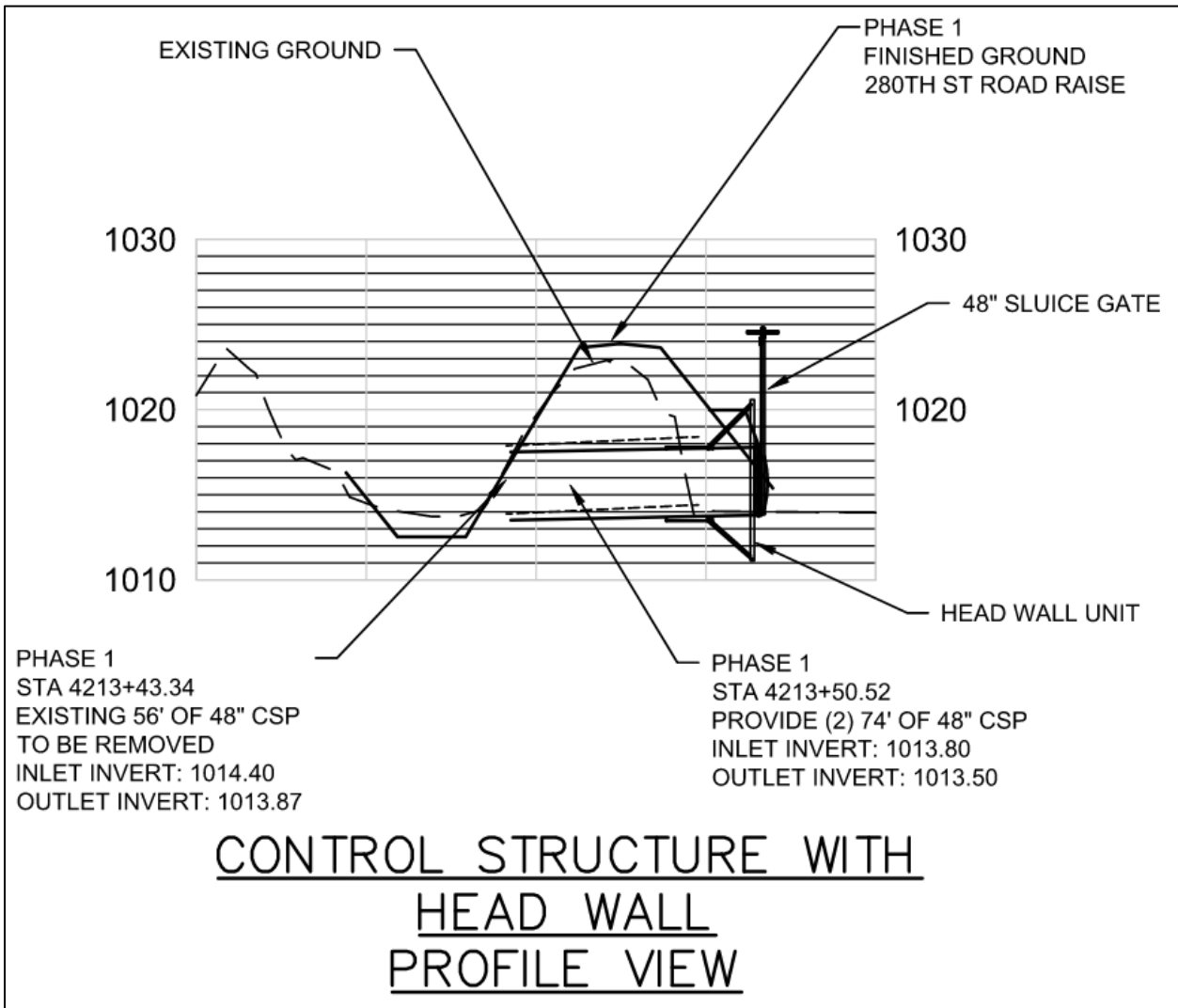
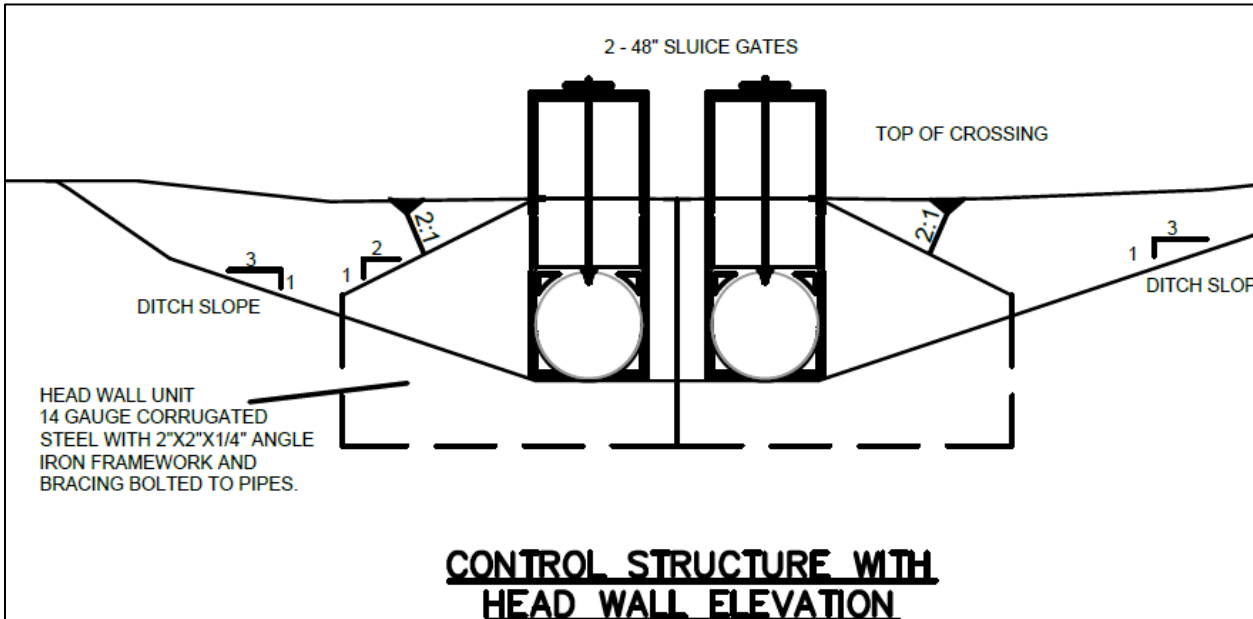
The existing 48” pipe will be improved to consist of two gated 48” culverts. The normal position will be one gate fully open and one gate closed. During floods both will be opened to allow up to 10,000 acre feet of floodwater to flow from north to south into the project via the diked inlet channel during the later part of the flood event, typically when overflow flooding from Roseau River is occurring. A reinforced spillway at 1021.15’ will allow additional flood water to flow over 280<sup>th</sup> St (95 grade) into the project.

Operations

Normally flooding in this area lasts for 3 to 4 weeks. The onset of flooding begins with SD 95, lasts 5 to 7 days and begins to recede. At times when larger floods occur, overflow water typically enters from the Roseau River and SD 72, arrives between day 10 and 14 and lasts for an additional one to two weeks. During the first part of the flood (days 1-7) water is higher in the SD 95 system and during the later part of the flood (days 14-21+) water is higher in the SD 72 system.

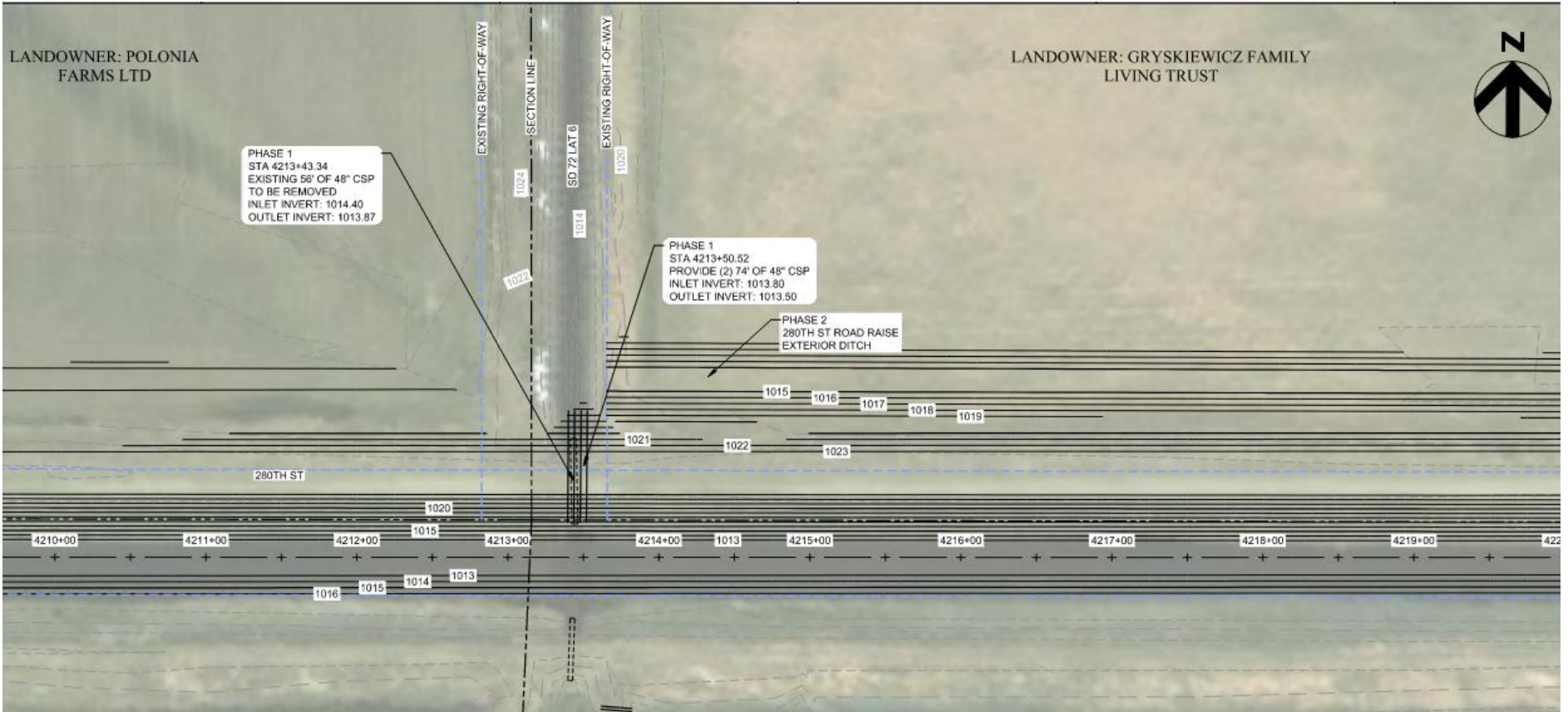
There is potential for water levels in the Diked Inlet to be higher than the water level in SD 72 Lateral 6. At the onset of SD 95 flooding, both gates will be closed to keep water in the diked inlet. The proposed inlet structure will remain closed until water levels in the Diked Inlet fall below the upstream SD 72 Lateral 6. At that time, both gates will be opened to allow excess floodwaters from SD 72 to enter the diked inlet and flow into the impoundment. Refer to the Klondike Operating plan for additional details on the impoundment outlets and triggers for main impoundment operations.

Ditch Name	Drainage Authority	Location Description	Proposed Impact	Purpose of Proposed Impact
State Ditch 72 Lateral 6	Joint - Roseau and Kittson Counties	SW corner of Section 36 T 162N R44W (Juneberry Twp)	Inlet flows from SD 72 - The existing structure that connects SD 72 Lat 6 to SD 95 Lat 1 will be removed and replaced with two gated, 48-inch culverts	The inlet structures are necessary to reduce flooding in the SD 72 system and allow flows into the Diked Inlet. Gates on this structure allow for enhanced operations by the TRWD for flood damage reduction



LANDOWNER: POLONIA FARMS LTD

LANDOWNER: GRYSKIEWICZ FAMILY LIVING TRUST





Lat 6 SD 72 – Existing Huseby Pipe looking to the north



Lat 6 SD 72 – Existing Huseby Pipe looking to the north



Outlet end of Huseby Pipe into SD 95 Lat 1 Ditch – looking south. Sediment buildup in Lat 1 to be removed.

