

The Board of Managers of the Sand Hill River Watershed District met for their regular monthly meeting on Tuesday, September 2, 1980 at 8:00 P.M. at the Town and Country Restaurant, Fertile, Mn. Members present - Gullekson, Wilkens, Larson, Hanson. Absent - LaVoi. Also present - Gale Fraser of Houston Engineering; David Black of the Advisory Committee; and interested public.

Chairman Roland Gullekson called the meeting to order. The secretary read the minutes of the August 5, 1980 meeting and they were approved as read.

Roland Gullekson reported on the meeting with DNR in Crookston at the attorney's office in regard to the Liberty-Onstad Project. The proposed restricting gate at the upper end satisfied all parties involved.

Gale Fraser read a letter he had written to the Army Corp of Engineers requesting more information on the design of Ditch #65 in the original Sand Hill system and the Army Corp sent some maps back showing that the Ditch #65 water was accounted for and that there was a 1,245 c.f.s. design in the Kittleson Creek Diversion which is 1/4k the total the Sand Hill River is capable of.

Gale Fraser of Houston Engineering presented a policy for operation of a Control Gate, Sand Hill River Watershed District, Onstad-Liberty Ditch, Project No. 3.

Project No. 3 - Onstad-Liberty Ditch - will be constructed with a control gate located on the ditch south of the railroad tracks near Station 141+00, approximately 800 feet southerly of the railroad tracks. The purpose of the gate is to partially restrict the flow into the ditch when water in Kittleson Creek is at high stages. The control gate will consist of a sluice gate on the upstream side of a 48" diameter corrugated metal pipe. In the down position, the gate will not close completely but will have 3.1 square feet of waterway remaining. The 3.1 square feet represent approximately the waterway opening that exists south of the railroad track prior to the construction of the Onstad-Liberty Ditch System. In the raised position, the gate will be completely open and will not in any way restrict culvert opening.

The operation of said gate will be related to the stages of Kittleson Creek at the township road located between Sections 2 and 11, Township 147 North, Range 45 West (Liberty Township), Polk County, Minnesota. This township road contains a 60" diameter x 48' long corrugated metal pipe for the Kittleson Creek crossing. The north invert elevation is at 1018.74 feet. The low point of the township road at this crossing is at elevation 1025.00. The control gate will be closed to the down position when the stage of Kittleson Creek at this crossing reaches an elevation of 1025.00 feet, which is 6.26 feet above the north invert of the existing pipe through this crossing. The gate will be open when the stage of Kittleson Creek falls below the elevation of 1025 at this crossing and will remain in the open position until the next highwater occurrence and the water in Kittleson Creek rises above elevation 1025.

The Board of Managers of the Sand Hill River Watershed District will cause the gate to be open and closed as indicated above. The Board will by resolution name the individual who will be responsible for raising or lowering this control gate.

No. 3 - Onstad-Liberty Ditch - will be constructed with a control gate located on the ditch south of the railroad tracks near Station 141-00, approximately 800 feet southerly of the railroad tracks. The purpose of the gate is to partially restrict the flow into the ditch when water in Kittleson Creek at high stages. The control gate will consist of a sluice on the upstream side of a 48" diameter corrugated metal pipe. In the down position, the gate will not close completely it will have 3.1 square feet of waterway remaining. The 3.1 square feet represent approximately the waterway opening that exists south of the railroad track prior to the construction

the Onstad-Liberty Ditch System. In the raised position, a gate will be completely open and will not in any way restrict culvert opening. The operation of said gate will be related to the stages of Kittleson Creek at the township road located between Sections 10 and 11, Township 147 North, Range 45 West (Liberty Township), Itasca County, Minnesota. This township road contains a 60" diameter x 48' long corrugated metal pipe for the Kittleson Creek crossing. The north invert elevation is at 1018.74 feet. The low point of the township road at this crossing is at elevation 1025.00. The control gate will be closed to the down position when the stage of Kittleson Creek at this crossing reaches an elevation of 1025.00 feet, which is 6.26 feet above the north invert of the existing pipe through this crossing. The gate will be open when the stage of Kittleson Creek falls below the elevation of 1025 at this crossing and will remain in the open position until the next highwater occurrence and the water in Kittleson Creek rises above elevation 1025.

The Board of Managers of the Sand Hill River Watershed District 11 cause the gate to be open and closed as indicated above, the Board will by resolution name the individual who will be responsible for raising or lowering this control gate.

Witnessed at Fertile, Minnesota, this 2nd day of September, 1980.

Roland Gulleitson, President

Daniel Wilkens, Secretary