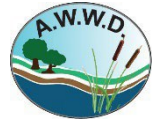


Assiniboine West Watershed District

Box 223 · Miniota, MB · R0M 1M0

Fax: 204-567-3587 – myawwd.ca – info@myAWWD.ca



Miniota

204-567-3554

Inglis

204-564-2388

Oak River

204-566-2270

July 21, 2026

The Assiniboine West Watershed District (AWWD) is conducting a competitive tender for the construction of a water retention project (map attached) located on SW-18-17-27, approximately 5 miles west of Birtle.

There is an existing dam that has washed out in the middle. The project involves installing a 1440 yd³ embankment and a 4 m wide rock spillway, which involves placing 300 yd³ of rock riprap which is stockpiled on site, and 150 yd³ of gravel (supplied by AWWD).

AWWD will be hosting a site tour of the project site on Tuesday July 28 at 1 pm and will be meeting contractors at the rink in Foxwarren.

The tender closes Thursday August 4, 2026, at 4 pm.

If you have any questions about this tender, please contact Daniel Boryskiewich at 204-821-0114, daniel@myawwd.ca

Sincerely,

Daniel Boryskiewich, AWWD

Project Design Summary

The Project is located approximately 2 miles north and 5 miles west of the town of Birtle, on SW18-17-27W1 in the Municipality of Prairieview. This is an existing dam that has washed out in the middle of the dam and the landowner approached the District about repairing the dam and installing a proper control structure.

The drainage area for this project was estimated using LiDAR and found to have a gross drainage area of 3.61 km². Design flows for the project were estimated using the rational method. The 1:10 flow was estimated to be 1.12 cms, and the 1:100 flow was estimated to be 1.65 cms. The project was designed to safely pass the 1:100 flood event

A topographic survey has been conducted on this project. At FSL of 492.5 m, it is estimated the dam will impound 10 dam3 of water.

Installing a 4 m wide rock spillway at FSL 492.5 m, the 10 % water level will be 492.77 m. Installing a 4 m wide emergency spillway at elevation 493.0 m, produces a 1% water level of 492.85 m. With a TOD of 493.5 m, the dam will have 0.65 m of freeboard at the 1% event.

If organics or unsuitable material is found in the existing dam, a 3 m wide key trench should be excavated 1 m below natural ground.

The existing dam has a 5 m top width and 2:1 side slopes. The improved dam embankment should have 4:1 sideslope upstream and 3:1 sideslope downstream and a potential key trench as mentioned above , and a top of dam elevation of 493.5 m.



Juba Project General Plan

Hydraulic Data

Gross Drainage Area = 3.6 km²
Q10 = 1.12 ems
Q100 = 1.65 ems
FSL = 492.5 m
Flooded Area = 0.79 ha/1.95 ac
Storage Volume = 10 dam³/8 ac-ft

Designed by - D. Dobson, P. Eng
Checked by - K. Rakhra, P. Eng

Date - April 15, 2026

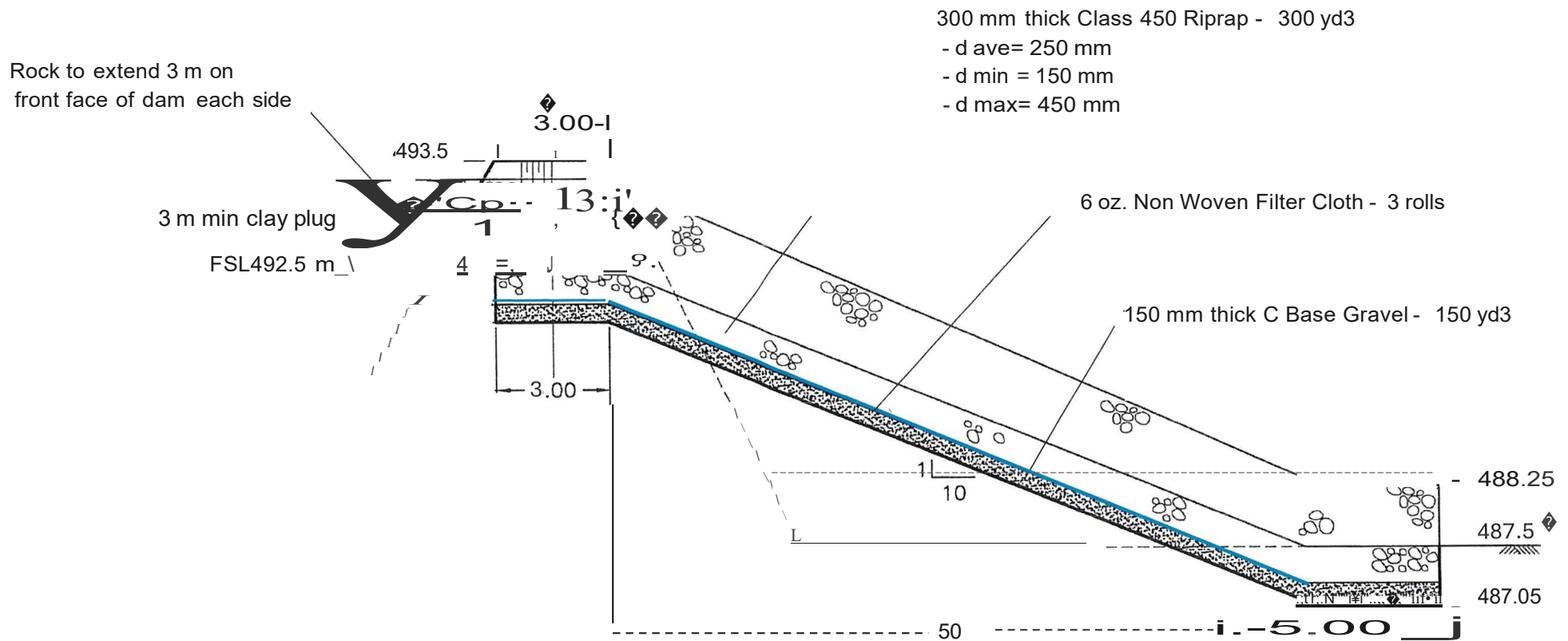
Scale 1:2000

NE18-17-27W1

FSL 492.5 m

SW18-17-27W1
Landowner - Peter Juba

SE18-17-27W1
Landowner - Peter Juba

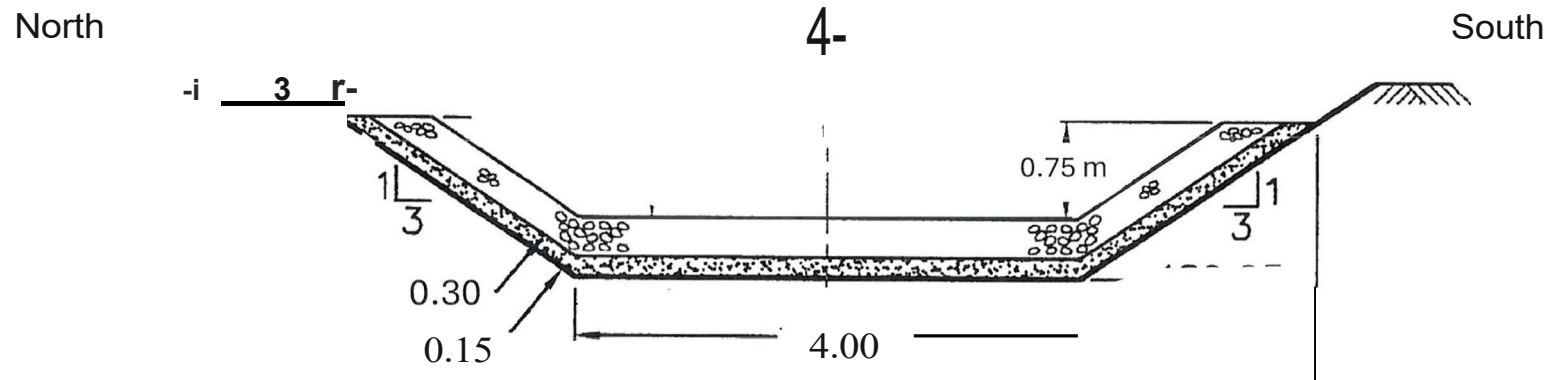


Dimensions are in meters unless otherwise noted

JUBA PROJECT ROCK SPILLWAY PROFILE

Designed by- D. Dobson, P. Eng.
 May 5, 2026 Sheet 1 of 2





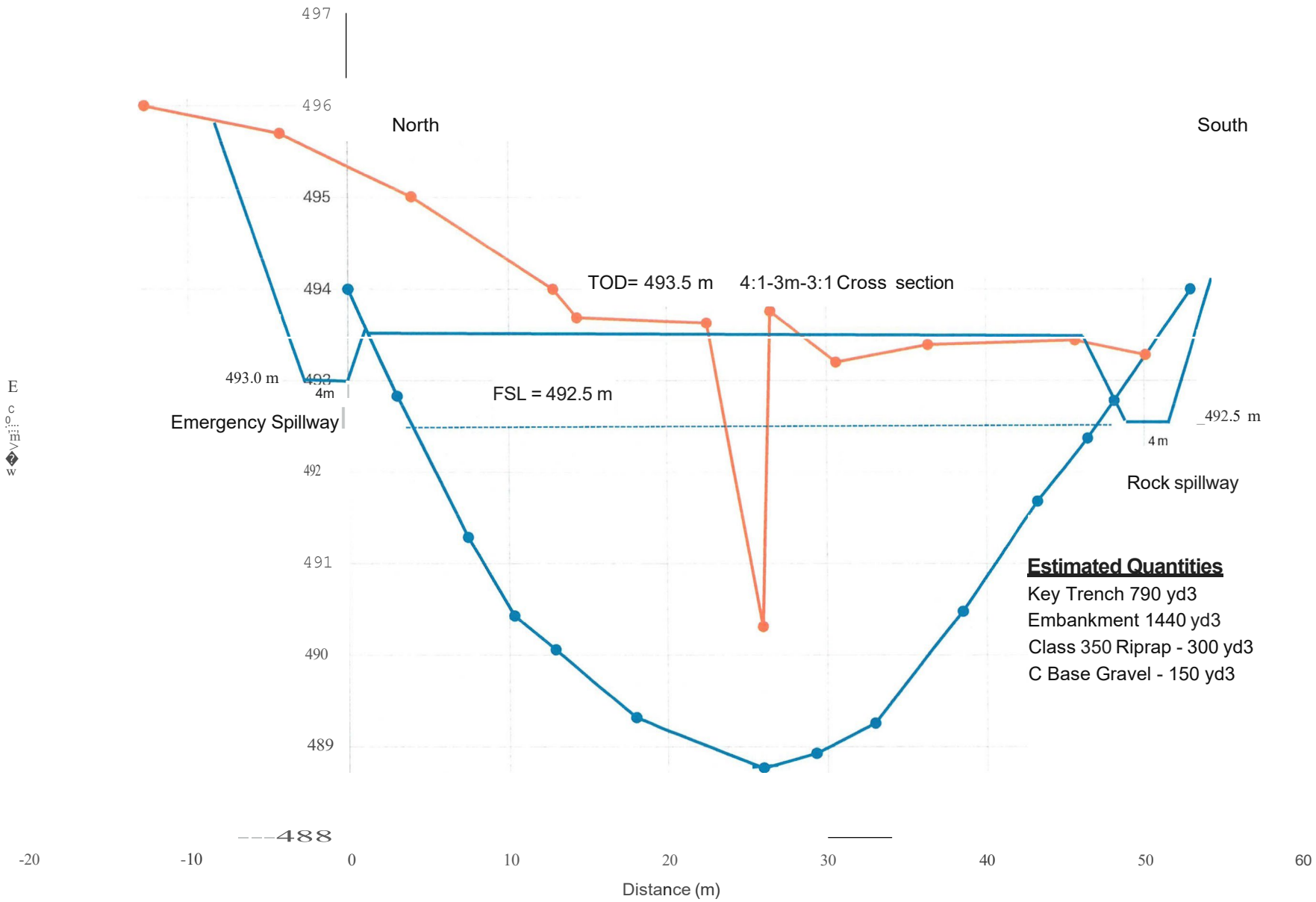
All dimensions are in meters unless otherwise noted

JUBA PROJECT -TYPICAL ROCK SPILLWAY CROSS SECTION



Designed by- D. Dobson, P. Eng.
May 5, 2026 Sheet 2 of 2

Juba Dam Profile





JUBA DAM

Proposed Dam

0

Drainage Area

XCoord YCoord

-101.191 50.453

Area (sq km)

3.61



Scale: 1:15,000
Date: 2025-12-06

Manitoba

