PERMIT INFORMATION PACKET	Pelican River Watershed District Wells Fargo Bank Bldg., Suite 201, 211 Holmes St. W., Detroit Lakes, MN 56502 **(218) 846-0436 phone** **PRWDpermit@arvig.net www.prwd.org**

GRADING & EROSION CONTROL PLAN

EROSION & SEDIMENT CONTROL PLAN

The goal of this plan is to prevent erosion from occurring and keep sediment on the site during active construction.

This is accomplished by minimizing: (1) the area and duration of exposed soil and unstable soil conditions; (2) off-site sediment transport on trucks and equipment; (3) work in and adjacent to water bodies and wetlands;(4) soil compaction. In addition, maintain stable slopes, and avoid steep slopes and the need for high cuts and fills.

Natural site topography and soil conditions must be considered to reduce erosion and sedimentation during construction and after project completion. Erosion and sediment control measures must be installed prior to land altering activities and routinely inspected and maintained during the project until final turf and ground cover has been established. The project site must be inspected after every rainfall event exceeding 0.5 inches and implement erosion and sediment control measures as addressed as needed. The project must be phased as best as possible to minimize disturbed areas and removal of existing vegetation until necessary for project progress. In order to ensure that sediment is retained on-site, the District may require the permit applicant to provide additional erosion control measures where site conditions warrant. Temporary erosion and sediment control measures (i.e., silt fence, rock access drives) must be removed after all disturbed areas have been stabilized.

All disturbed areas must be restored at a minimum with seed and disced mulch, sod, wood-fiber blanket, or be hard surfaced within 2 weeks from the completion of land alteration. For areas altered with a slope of 3:1 or greater, restoration with sod or wood fiber blanket is required. Typically, restoration with seed and disced mulch must be completed not later than September 15. Areas to be restored with sod must be completed by October 15. Both of these restoration dates are in accordance with Natural Resource Conservation Service requirements.

EROSION AND SEDIMENT CONTROL PLAN MUST INCLUDE:

1. Existing and proposed topographic map which clearly indicates all hydrologic features (i.e., ditches, grass channels, swales, perennial/intermittent streams, wetlands, lakes, ponds, floodplains, culverts, and storm sewers) and areas where grading will expose soils to erosive conditions. The plan must also indicate the direction of all site runoff.
2. Identification of all temporary erosion control measures which will remain in place until permanent vegetation is established for the construction site, including entryways onto sites and for work areas within open water. Examples include, but are not limited to: seeding, mulching, sodding, silt fence, erosion control matting, access drives (rocked filter dike at construction site entrance). Work proposed within open water areas (e.g., installation of a storm sewer outfall) floatation silt curtain must be used.
3. Location and dimensions of all temporary soil or dirt stockpiles.
4. A detailed schedule indicating dates and sequence of land alteration activities; implementation, maintenance and removal of sediment and erosion control measures; and permanent site stabilization measures.
5. Name, address, and phone number of party responsible for maintenance of all erosion control measures.
6. A detailed description of how erosion control, sediment control and soil stabilization measures implemented pursuant to the plan will be monitored, maintained, and removed.
7. Identification of all permanent erosion control measures such as vegetation, outfall spillways, and rip-rap shoreline protection, and their locations.
8. Copy of MPCA Notification of application for an NPDES general permit for projects one acre or more of graded area.
9. Tabulation of all earthwork cut-and-fill volumes and computation of any floodplain volume and/or wetland area changes.

All actions and plans *must utilize standards and procedures for controlling runoff rates, nutrients, and sediments as described in the Minnesota Stormwater Manual (MPCA , 2021) as revised.*