

Town of Friday Harbor

PO Box 219 / Friday Harbor / WA / 98250

(360) 378-2810 / fax (360) 378-5339 / www.fridayharbor.org

Stormwater Plan Application

Town of Friday Harbor

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NOTICE

**IF YOUR PROJECT DISTURBS
ONE OR MORE ACRES,
YOU MUST OBTAIN A**

**“CONSTRUCTION STORMWATER
GENERAL PERMIT”**

FROM:

**DEPARTMENT OF ECOLOGY
1440 10TH ST – SUITE #102
BELLINGHAM, WA 98225
1-360-715-5200**

**The “Construction Stormwater General Permit”
must be in place before submittal of applications
to the Town of Friday Harbor.**

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Town of Friday Harbor Storm Water Technical Manual Information

(Complete Storm Water Manual available at www.fridayharbor.org)

Section 7. Small Parcel Approval Standards

7.01 Small Parcel Erosion and Sediment Control (ESC) Plan applicability.

A. The following new development shall be required to control erosion and sediment during construction, to permanently stabilize soil exposed during construction and to comply with Small Parcel Requirement 1 through 5:

1. Individual, detached, single family residences and accessory buildings.
2. Creation or addition of less than 5,000 square feet of impervious surface area.
3. Land disturbing activities of less than one acre.

B. Compliance shall be demonstrated through the implementation of an approved Small Parcel EXC Plan. Information regarding the preparation of a Small Parcel ESC Plan is contained in the DOE Manual.

7.02 Small Parcel Minimum Requirements.

7.02.1 Small parcel requirement No. 1 – Construction access route.

A. Construction vehicle access shall be, whenever possible; limited to one route. Access points shall be stabilized with quarry spall or crushed rock to minimize the tracking of sediment onto public roads.

7.02.2 Small parcel requirement No. 2 – Stabilization of denuded areas.

A. Soil stabilization. All exposed soils shall be stabilized by suitable application of BMP's including but not limited to sod or other vegetation, plastic covering, mulching, or application of ground base on areas to be paved. From October 1 through April 30, no soils shall remain exposed for more than 2 days. From May through September 30, no soils shall remain exposed for more than 7 days.

7.02.3 Small parcel requirement No. 3 – Protection of adjacent properties.

A. Adjacent properties shall be protected from sediment deposition by appropriate use of vegetative buffer strips, sediment barriers or filter, dikes or mulching, or by a combination of these measures and other appropriate Best Management Practices (BMP's).

7.02.4 Small parcel requirement No. 4 – Small parcel requirement #4 – Maintenance.

All erosion and sediment control BMP's shall be regularly inspected and maintained to ensure continued performance of their intended function.

7.02.5 Small parcel requirement No. 5 – Other BMP's.

A. The Administrator or his designee shall attach such conditions to the Small Parcel Erosion and Sediment Plan as are necessary to control erosion and runoff including but not limited to:

1. Installing French drains (drywells) or other on-site facilities for disposal of runoff from roofs and other impervious surfaces; and/or
2. Routing storm drainage as necessary and appropriate for the size of the project; and/or
3. Installing erosion control devices (such as construction entrances, filter fabric fences, stockpile protection buffers for critical areas).

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Section 7. Large Parcel Approval Standards

7.03 Large Parcel Erosion and Sediment Control Plan applicability.

A. The following new development shall be required to control erosion and sediment during construction, to permanently stabilize soil exposed during construction, and to comply with Large Parcel Requirements 1 through 11:

1. All new development that includes the creation or addition of 5,000 sq ft, or greater, of new impervious surface area shall comply.

2. Land disturbing activities of one acre or greater.

B. Compliance shall be demonstrated through the implementation of an approved Stormwater Site Plan consisting of a Large Parcel ESC Plan and a PSQC Plan as appropriate. Information concerning the preparation of a Large Parcel ESC Plan and PSQC Plan is contained in the DOE Manual.

7.04 Large Parcel Minimum Requirements.

7.04.1 Large Parcel Requirement No. 1 – Erosion and sediment control.

A. All exposed and unworked soils shall be stabilized by suitable application of BMPs from October 1st to April 20th; no soils shall remain unstabilized for more than 2 days. From May 1st to September 30th; no soils shall remain unstabilized for more than 7 days. Prior to leaving the site, stormwater runoff shall pass through a sediment pond or sediment trap, or other appropriate BMPs.

B. In the field, mark clearing limits and/or any easements, setbacks, sensitive/critical areas and their buffers, trees and drainage courses.

C. Properties adjacent to the project site shall be protected from sediment deposition.

D. Sediment ponds and traps, perimeter dikes, sediment barriers, and other BMPs intended to trap sediment on-site shall be constructed as a first step in grading. These BMPs shall be functional before land disturbing activities take place. Earthen structures such as dam, dikes, and diversions shall be seeded and mulched according to the timing indicated in Requirement No. 1.

E. Cut and fill slopes shall be designated and constructed in a manner that will minimize erosion.

F. Properties and waterways downstream from the development site shall be protected from erosion due to increases in the volume, velocity, and peak flow rate of stormwater runoff from the project site.

G. All temporary on-site conveyance channels shall be designed, constructed, and stabilized to prevent erosion from the expected velocity of flow from a 2 year, 24-hour frequency storm for the developed condition. Stabilization adequate to prevent erosion of outlets, adjacent streambanks, slopes and downstream reaches shall be provided at the outlets of all conveyance systems.

H. All storm drain inlets made operable during construction shall be protected so that stormwater runoff shall not enter the conveyance system without first being filtered or otherwise treated to remove sediment.

I. The construction of underground utility lines shall be subject to the following criteria:

1. Where feasible, no more than 200 feet of trench shall be opened at one time.

2. Where consistent with safety and space considerations, excavated material shall be placed on the uphill side of the trenches.

3. Trench dewatering devices shall discharge into a sediment trap or sediment pond.

J. Whenever construction vehicle access routes intersect paved roads, provisions must be made to minimize the transport of sediment (mud) onto the paved road. If sediment is transported onto a road surface, the roads shall be cleaned thoroughly at the end of each day. Sediment shall be removed from roads by shoveling, or sweeping and be transported to a controlled sediment disposal area. Street washing shall be allowed only after sediment is removed in this manner.

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K. All temporary erosion and sediment control BMPs shall be removed within 30 days after final site stabilization is achieved or after the temporary BMPs are no longer needed. Trapped sediment shall be removed or stabilized on site. Disturbed soil areas resulting from removal shall be permanently stabilized.

L. Dewatering devices shall discharge into a sediment trap or sediment pong.

M. All pollutants other than sediment that occur on-site during construction shall be handled and disposed of in a manner that does not cause contamination of stormwater.

N. All temporary and permanent erosion and sediment control BMPs shall be maintained and repaired as needed to assure continued performance of their intended function. All maintenance and repair shall be conducted in accordance with the DOE Manual.

O. Performance bonding, or other appropriate financial instruments, shall be required for all projects to ensure compliance with the approved erosion and sediment control plan.

7.04.2 Large Parcel Requirement No. 2 – Preservation of Natural Drainage Systems.

A. Natural drainage patterns shall be maintained, and discharges from the site shall occur at the natural location, to the maximum extent practicable.

7.04.3 Large Parcel Requirement No. 3 – Source Control of Pollution.

A. Source control BMP's shall be applied to all projects to the maximum extent practicable. Source control BMP's shall be selected, designed, and maintained according to the DOE Manual.

B. An adopted and implemented basin plan (Requirement No. 9) may be used to develop source control requirements that are tailored to a specific basin, however, in all circumstances, source control BMPs shall be required for all sites.

7.04.4 Large Parcel Requirement No. 4 – Run Off Treatment BMPs.

A. All projects shall provide permanent treatment of stormwater. Treatment BMPs shall be sized to capture and treat the water quality design storm, defined as the 6-month, 24-hour return period storm. The first priority for treatment shall be to infiltrate as much as possible of the water quality design storm, only if site conditions are appropriate and groundwater quality will not be impaired. Direct discharge of untreated stormwater to groundwater is prohibited. All treatment BMPs shall be selected, designed, and maintained according to the DOE Manual.

B. Stormwater treatment BMPs shall not be built within a structural vegetated buffer, except for necessary conveyance systems as approved by the Town.

C. An adopted and implemented basin plan (Requirement No. 9) may be used to develop runoff treatment requirements that are tailored to a specific basin.

7.04.10 Large Parcel Requirement No. 10 – Operation and maintenance.

A. An operation and maintenance schedule shall be provided for all proposed stormwater facilities and BMP's, and the party (parties) responsible for maintenance and operation shall be identified.

7.04.11 Large Parcel Requirement No. 11 – Financial liability.

A. Performance bonding or other appropriate financial instruments shall be required for all projects to ensure compliance with these standards.

7.05 Variances.

A. The Town Council shall have the authority to grant a variance from the requirements of Section 7 of the Stormwater Technical Manual in accordance with Chapter 17.84 FHMC.