

Erosion Control Plan

Standard erosion control plan for small parcel development projects under 1 acre of disturbance

Small parcel development requirements: Any person or entity undertaking a small parcel development shall prepare and implement a small parcel development erosion control plan in accordance with CCC40.385.030 and Clark County Stormwater Manual, Chapter 7. Compliance with this plan shall constitute compliance with county code.

All Best Management Practices (BMPs) shall be selected, designed, and maintained in accordance with the Clark County Stormwater Manual.

The Washington Department of Ecology requires state permitting for projects that disturb an area of one acre or more.

Permit number: _____	Site address: _____
Certified erosion control person: _____	_____
Cert. number: _____	Phone: _____

I have read the erosion control plan and hereby submit it as the plan for the above described development. I understand that it is my responsibility to comply with these requirements. Failure to comply with the erosion control plan may result in Clark County imposing a **stop work order** and taking enforcement action under Title 32.

Applicant signature: _____	Print name: _____
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- 1. Preserve vegetation:** Before clearing and grading starts, clearly mark clearing limits to avoid disturbing preserved native vegetation, county designated sensitive areas and sensitive area buffers. The duff layer, native top soil, and natural vegetation shall be retained in an undisturbed state to the maximum degree practicable.
- 2. Construction access:** Construction vehicle access shall be limited, wherever possible, to only one (1) route. Access points shall be stabilized with two-inch diameter gravel, quarry spalls, coarse crushed rock, or other equivalent BMP to minimize tracking of sediment (mud) onto public roads. Vehicles not performing a construction activity shall not be permitted on site. Personal vehicles shall be parked on adjacent streets or other approved areas.

Construction materials such as lumber shall be delivered and stored on designed locations that are stabilized and protected from erosion. All sidewalk areas shall be pre-graded and stabilized for use as sediment traps.

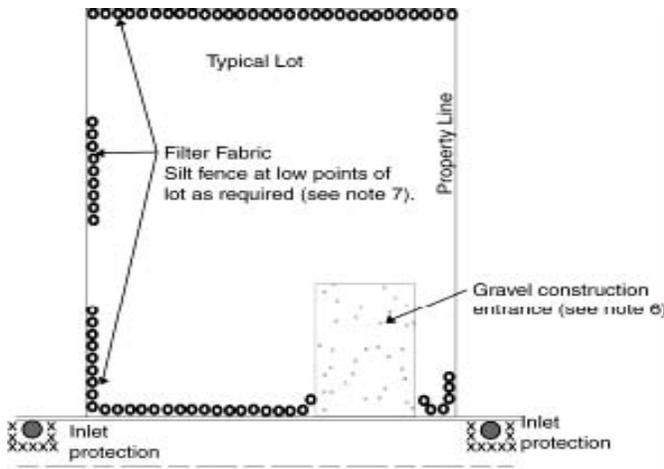


3. **Stabilization of denuded areas and sediment controls:** After grading or clearing, all exposed soils shall be stabilized by suitable application of BMPs such as sod or other vegetation, plastic covering, mulching, or application of base material on areas to be paved. **From October 1 through April 30, no soils shall remain exposed for more than 2 days. From May 1, through September 30, no soils shall remain exposed for more than 7 days.**
4. **Sediment control BMPs** (silt fences, sediment ponds, traps, filters, etc) shall be constructed as one of the first steps in grading. These BMPs shall be functional before other land-disturbing activities take place. BMPs intended to trap sediment onsite shall be located in a manner to avoid interference with the movement of juvenile salmonids attempting to enter off channel areas or drainages.
5. **Protection of water bodies and adjacent properties from sediment discharges:** Water bodies of and adjacent properties shall be protected from sediment deposition by appropriate use BMPs. Each owner, builder, or permit holder shall install and maintain inlet protection on storm drain inlets impacted from their site. Appropriate BMPs shall include vegetative buffer strips, sediment barriers or traps, dikes, mulching, or a combination of these measures as approved by the director.

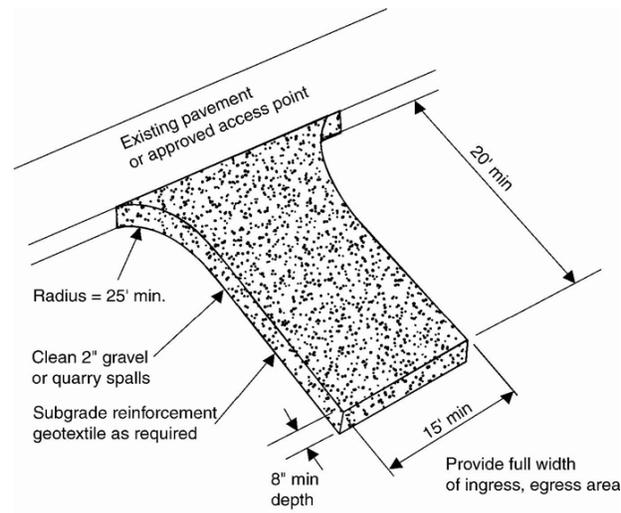
All temporary onsite conveyance channels shall be designed, constructed, and stabilized to prevent channel erosion from runoff caused by large storms.
6. **To prevent slope erosion** cut and fill slopes shall be designed and constructed in a manner that will minimize erosion. Off site stormwater (run-on) or groundwater shall be diverted away from slopes and undisturbed areas with interceptor dikes, pipes, and/or swales. Offsite stormwater shall be managed separately from stormwater generated on the site.
7. **Erosion Control BMP Maintenance:** All erosion and sediment control BMPs shall be inspected, maintained and repaired as needed to ensure continued performance of their intended function. Maintenance and repair shall be conducted in accordance with the Clark County Stormwater Manual. Uncompleted construction sites shall be inspected by the applicant at least once a week and after each rainfall and shall be repaired if needed.
8. **Sediment removal from roadways;** if sediment is transported onto a road surface or sidewalk, the area shall be cleaned thoroughly at the end of the work day, or more often if necessary. Significant soil deposits shall be removed from roads by shoveling or sweeping. Street washing, which must be approved by the responsible official, shall be allowed only after sediment is removed in this manner. Prior to washing, all inlets and down-stream facilities must be protected using approved BMPs.

Main Points:

1. Do not disturb more area than needed for construction requirements.
2. All erosion control measures shall be in place and in working condition prior to disturbing and exposing any soil surfaces (i.e. silt fence, construction entrance, sedimentation barriers, sedimentation traps).
3. BMPs are to remain in place during construction until all disturbed soil surfaces have been stabilized.
4. All disturbed soil surfaces are to be stabilized. Stabilization of disturbed soil areas will consist of; hydro seeding or hand seeding, mulching, placing of erosion control blankets or plastic in landscaping soil areas. It will also consist of paving and concrete work in driving, parking and sidewalk areas. All seeded areas are to be fertilized, watered and maintained to enhance the immediate re-growth of vegetation.
5. Maintain the erosion control measures throughout all phases of construction. Maintenance shall include, but not be limited to:
 - a. Verifying that all areas are graded such that all runoff is directed to a sedimentation trap facility before discharge.
 - b. Removing trapped silts at silt barriers, silt traps, or point of accumulation.
 - c. Providing additional protective measures, as required, due to job site conditions.
 - d. Monitoring of vehicles leaving the site to minimize transmission of loose soils to the public roadways.
6. Construction entrance shall be a minimum of 15' width and 20' long. See detail sheet.
7. Place filter fabric silt fence along the perimeter of low areas of each lot. Maintain until end of disturbance and establishment of vegetative cover.
8. Minimize disturbance of existing cover and seed exposed soil as soon as possible to minimize erosion.
9. Any soil or debris that is transported onto roadway and sidewalks shall be removed and the sidewalk and roadways shall be cleaned thoroughly. Significant deposits shall be removed by shoveling or sweeping. Washing is only allowed after sediment is first removed in this manner and all drainage inlets and down stream facilities are protected.



TYPICAL EROSION CONTROL PLAN
Not to scale.



GRAVEL CONSTRUCTION ENTRANCE
Not to scale

