

**CONTRACTOR SHALL CONTACT CITY ENGINEERING STAFF
24 HRS BEFORE COMMENCING CONSTRUCTION: 503-682-4960**

APPLICATION DATE: _____ PERMIT NO.: EC17-_____

EROSION AND SEDIMENT CONTROL PERMIT

THE CITY OF WILSONVILLE • ENGINEERING DIVISION

ESC Permit (500 SF to <1 acre) 1200-CN Permit (1 to <5 acres)

PROJECT NAME: _____

PROJECT ADDRESS: _____

OWNER/DEVELOPER: _____

OWNER CONTACT INFO: phone: _____ email: _____

PROJECT ENGINEER: _____

ADDRESS: _____ PHONE #: _____

CONTRACTOR: _____ BUSINESS LICENSE #: _____

CONTRACTOR PHONE #: _____

APPLICANT AGREEMENT:

I, THE UNDERSIGNED, AGREE TO COMPLY WITH THE PLANS AND SPECIFICATIONS AS APPROVED BE THE CITY OF WILSONVILLE ENGINEERING DIVISION AND WITH THE CONDITIONS AS PROVIDED BELOW.

APPLICANT SIGNATURE: _____ DATE: _____

-----TO BE FILLED OUT BY CITY STAFF-----

CONDITIONS:

Notify City of Wilsonville Engineering Division 24 hrs before starting work, 503-682-4960.

Owner/Developer may construct, install, modify, or operate erosion and sediment control measures and stormwater treatment and control facilities, and to discharge stormwater to surface waters of the state or conveyance systems leading to surface waters of the state only in conformance with all requirements, limitations, and conditions as set forth in this permit.

The applicant shall install, operate and maintain adequate erosion control measures in conformance with the standards adopted by the City of Wilsonville Ordinance No. 482 during the construction of any public/private utility and building improvements until such time as approved permanent vegetative materials have been installed.

All work shall conform to current City of Wilsonville Codes and Standards and the attached Erosion and Sediment Control Notes.

FEE: \$400 min. or 7% of Engineers Estimate: \$ _____

ENGINEERING: _____ DATE: _____

City of Wilsonville Erosion and Sediment Control Notes

1. Erosion and sediment control measures. Effective erosion and sediment control measures are required at all times. Erosion and sediment control measures shall be implemented to prevent erosion, filter runoff and keep sediment from leaving the site. During the dry season, dust control measures shall be implemented to prevent dust from leaving the site. The City's Building Division, Engineering Division, and Natural Resources Program require an approved Erosion Control Plan for all sites that measure 500 square feet or greater in area. For sites less than 500 square feet it may still be necessary to install and maintain adequate erosion and sediment control measures

2. Responsible party. The property owner or designee shall be responsible for proper installation, maintenance and removal of all erosion and sediment control (ESC) measures, in accordance with the City of Wilsonville, state, and federal regulations.

3. Installation of ESC measures prior to clearing & grading. The ESC measures shown in these plans shall be constructed and approved by the City's authorized representative prior to clearing and grading activities, and in such a manner as to ensure that sediment and sediment laden water does not enter the drainage system, roadways, or violate applicable stormwater discharge standards.

4. Inspections. Initial and final ESC inspections are required. The City's 24 hour Building/ESC inspection number is (503) 682-4159. All calls requesting inspections that are received by 7:00 A.M. shall be inspected by the end of the day the call was received (no inspections Saturday, Sunday, or Holidays). Tree protection shall be installed, inspected and approved by a Planning Department representative before any ESC measures are placed. The initial ESC inspection shall not occur until tree protection measures are inspected and approved.

The Property owner or designee shall remove ESC measures, establish permanent groundcover on all exposed soils; clean and remove trash, construction waste and sediment deposits before receiving a final ESC inspection approval. (Solely straw or plastic sheeting is not permanent ground cover.)

5. Daily inspection. The ESC measures shall be inspected daily by the property owner or designee and maintained as necessary to ensure proper functioning. All ESC measures requiring maintenance or repair shall be completed immediately.

6. State 1200-C (DEQ) and 1200-CN (City) permits. If a site requires an Oregon Department of Environmental Quality (DEQ) 1200-C permit for disturbing five acres or more, a copy of the approved 1200-C shall be submitted to the City's authorized representative before any clearing or grading shall be allowed to proceed. Construction activities including clearing, grading, excavation, and stockpiling that will disturb five (5) or more acres and that may discharge to surface waters or conveyance systems leading to surface waters of the state, require a DEQ 1200-C permit.

For construction activities that disturb five (5) or more acres, a public review process is required.

The property owner or designee is required to follow all 1200-C requirements and make the 1200-C permit available for review if requested by the City's authorized representative. The DEQ 1200-C permits are obtained directly from DEQ.

A 1200-CN permit, for disturbing one to less than five acres, for automatically covered construction activities is issued by the City of Wilsonville for sites meeting applicable ordinance and code requirements.

7. Code conformance. The property owner or designee shall install, operate, and maintain adequate ESC measures in conformance with the standards adopted by the City of Wilsonville Erosion Control Ordinance during the construction of any public utilities and private improvements, until such time as approved permanent vegetative materials have been installed.

The contractor shall read and be familiar with the City's Erosion Control standards and ODOT construction Erosion Control standards. The contractor shall adhere to the more restrictive of the two standard requirements when performing Public Works Projects. The City's Erosion Control Ordinance No. 482 is available at: <http://www.ci.wilsonville.or.us/documentcenter/view/613>. ODOT's construction erosion control standards are available at: http://www.oregon.gov/ODOT/HWY/SPECS/docs/15book/15_00200.pdf (Section 00280 - Erosion and Sediment Control).

8. Scope of responsibility. The implementation of the approved ESC plan, including the installation, construction, maintenance, replacement, upgrading and removal of the ESC measures are the responsibility of the property owner or designee until all construction is completed and approved, and all vegetation/landscaping is established. The property owner or designee shall be responsible for maintenance of the ESC measures until the permit is transferred **or the permit coverage is terminated.**

9. Erosion control. No person shall create physical erosion by dragging, dropping, tracking, or otherwise placing or depositing, or permitting to be deposited, mud, dirt, rock, or other such debris on a public street, or into any part of the public stormwater and surface water system, or into any part of a private stormwater and surface water system that drains or connects to the public stormwater and surface water system. Any such deposited material shall be immediately removed by hand labor or mechanical means. No material shall be washed or flushed into any part of the stormwater and surface water system until all mechanical means to remove the debris are exhausted and preventive sediment filtration is in place. No discharge containing visible solids is allowed. All above ground treatment facilities (swales, ponds, etc.) shall be completed, inspected, and approved prior to any stormwater being allowed to enter facility or any paving to occur.

10. Minimum requirements – upgrades & retrofits expected. The ESC measures depicted in these plans are considered minimum requirements for anticipated site conditions. During the construction period, these ESC measures shall be upgraded as needed for unexpected storm events and changes in construction activities. At all times, ESC measures shall ensure that sediment and sediment-laden water does not leave the construction site.

11. Clearing limits. The boundaries of the clearing limits depicted on the ESC plan shall be clearly marked in the field prior to clearing. During the construction period, no disturbance beyond the clearing limits shall be permitted. The clearing limit markings shall be maintained by the property owner or designee for the duration of construction.

12. Toxic & hazardous materials. Any use of toxic or hazardous materials shall include proper storage, application, and disposal. The property owner or designee shall properly manage hazardous wastes, used oils, contaminated soils, concrete waste, sanitary waste, liquid waste, or other toxic substances discovered or generated during construction.

13. On-site concrete truck wash area. The ESC plan shall designate specific areas for on-site washing of concrete trucks and the disposal of accumulated concrete waste. No tracking of concrete is allowed and must be immediately cleaned from road or alley.

14. Securing of portable toilets. If required, the property owner or designee shall secure portable toilets, by cable or chain, to posts or stable anchor to prevent them from overturning and spilling.

15. Resources for ESC facility design & development. The property owner or designee shall refer to the Clackamas County Water Environment Services most current version of the “Erosion Prevention and Sediment Control Planning and Design Manual,” available on line at <http://www.clackamas.us/wes/designmanual.html> and the City of Wilsonville’s “Erosion Control Ordinance”.

16. Construction entrances. Stabilized gravel entrances, with subgrade reinforcement geotextile fabric, shall be installed and maintained for the duration of the project in conformance with Detail S-2240. Additional measures such as a wheel wash, in conformance with Detail S-2235, may be required to ensure that all paved areas are kept clean for the duration of the project. The construction entrance shall not block existing public accessible routes unless proper closures are approved by the City of Wilsonville Engineering authorized representative.

17. Protection of stormwater facilities, drains & inlets. Storm drain inlets, basins, and area drains shall be protected until completion of project. Although there are a number of approved measures for inlet protection, low flow siltsack inserts (no overflow), in conformance with Detail S-2127, with biobags, in conformance with Detail S-2126, around curb inlets are the preferred measures for inlet protection, where applicable. Per DEQ requirements overflow silt sack inserts are not allowed. Low flow siltsack inserts (no overflow) shall be used for street inlets (unless inlet in curb). Inlets will be protected with appropriate measures upon basin installation. All storm drain inlet protection measures located in public streets shall not create a hazard to vehicular traffic, bike or pedestrian traffic. If required by the City’s authorized representative, a minimum of six (6) extra biobags shall be kept on site at all times for upgrading and repairs.

18. Detail drawings. Use only City of Wilsonville Detail Drawings <http://www.ci.wilsonville.or.us/153/Detail-Drawings-Index> (if available).

19. Cleaning sediment barriers. At no time shall sediment be allowed to accumulate more than 1/3 of barrier height. Cleaning operations shall not allow sediment-laden water to be intentionally washed into storm sewers, drainage ways or waterbodies. Dry sweeping shall be used to clean up released sediments using appropriate dust control measures.

20. Permanent ground cover. Pavement surfaces and permanent vegetation are to be installed as soon as possible. Impervious surfaces shall not be installed until stormwater detention and water quality facilities have been constructed and approved by the City's authorized representative.

21. Seeding. Seeding shall be established only between March 1 through May 15 and September 1 through October 15 for each phase of construction. If an irrigation system is installed, seeding may be established from March 1 through November 15.

22. Wet weather requirements. Exposed soils and un-vegetated surfaces not fully established by October 15, shall be subject to wet weather erosion prevention measures in effect through April 30. For requirements, see Clackamas County Water Environment Services' most current version of "Erosion Prevention and Sediment Control Planning and Design Manual," and the City of Wilsonville Erosion Control Ordinance. Any open ground (regardless of slope) is to be covered during the wet weather season if not under active construction (active construction to be determined by the City's authorized representative).

23. Dust control. During all phases of work the contractor shall take precautions to abate any dust nuisance. Dust shall be minimized to the extent practicable and prevention measures shall be continuous until final inspection by the City's authorized representative. Additional measures for dust control, if required by the City's authorized representative, shall include at least one (1) water truck on site at all times from June 1 to October 31. In areas subject to wind erosion, appropriate BMP's must be used which may include the application of fine water spraying, plastic sheeting, mulching, or other approved measures.

24. Use of straw. Solid straw bales are not to be used for any ESC measures. Straw should only be used loose, to spread as temporary ground cover. A minimum of two inches is to be applied, covering all exposed soils (no visible soils). When single and multifamily residences foundations have been poured and approved, and foundation form has been removed, all exposed soils shall be covered with 2 to 4 inches of loose straw, which covers all exposed areas.

25. Plans. All ESC plans shall include these City of Wilsonville Erosion and Sediment Control Notes, an appropriate erosion control legend and erosion control details, which are consistent with the City of Wilsonville's Erosion and Sediment Control Notes. Legend symbols are found in the Clackamas County Water Environment Services "Erosion Prevention and Sediment Control Planning and Design Manual," in Appendix A.

26. Water tight trucks. Water tight trucks shall be used to transport saturated soils from the construction site.

27. Pumping of sediment laden water. All pumping of sediment laden water must be discharged over an undisturbed vegetated area, and through a sediment control BMP (i.e. filter bag). All discharges shall be authorized by the City of Wilsonville.

28. ESC logs. Written ESC logs are to be maintained onsite and available to the City inspectors.

29. Sediment Fence. Filter fabric sediment fences shall be installed in conformance with Detail S-2245.

30. Stitched post loops. Standard or heavy duty filter fence shall have manufactured stitched post loops with 2"x 2" x 4' posts for installation. Stitched post loops shall be installed on the uphill side of the sloped area.

31. Continuous run / construction of joints. The filter fabric shall be purchased in a continuous roll, and cut to length in the field to avoid the use of joints. When joints are necessary, connect silt fence ends by spinning 2"x 2" x 4' posts together two to three times and bury as one post.

32. Installation on contour / finish at termination points. The filter fence shall be installed to follow the contours. The posts shall be spaced a maximum of six feet apart and driven securely into the ground. When sediment fence approaches its termination point, turn fence uphill and extend one (1) full panel (6 feet).

33. Burial of fabric. The filter fabric shall have a minimum vertical burial of six inches. All excavated material from filter fabric fence installation shall be backfilled and compacted on both sides of fence along the entire disturbed area.

34. Inspection. Filter fabric fences shall be inspected by property owner or designee immediately after each rainfall and at least daily during prolonged rainfall. Any required repairs, maintenance or needed upgrades shall be made immediately. If required by the City's authorized representative, a minimum of one (1) full roll of extra filter fabric fencing shall be on site at all times for upgrading and repairs.

35. Removal. Filter fabric fences shall be removed when they have served their useful purpose, but not before the upslope area has been permanently protected and stabilized.

36. ESC protection behind curbs. Installation of a ¾" – 0 crushed aggregate is the preferred ESC application where ground is exposed along existing curbing. This is dependent upon the slopes involved and may be insufficient.

37. Required ESC Measures. Failure to abide by these ESC measures may result in a Stop Work order being issued by the City Engineer or City Engineering Manager until corrective measures have been undertaken and approved.