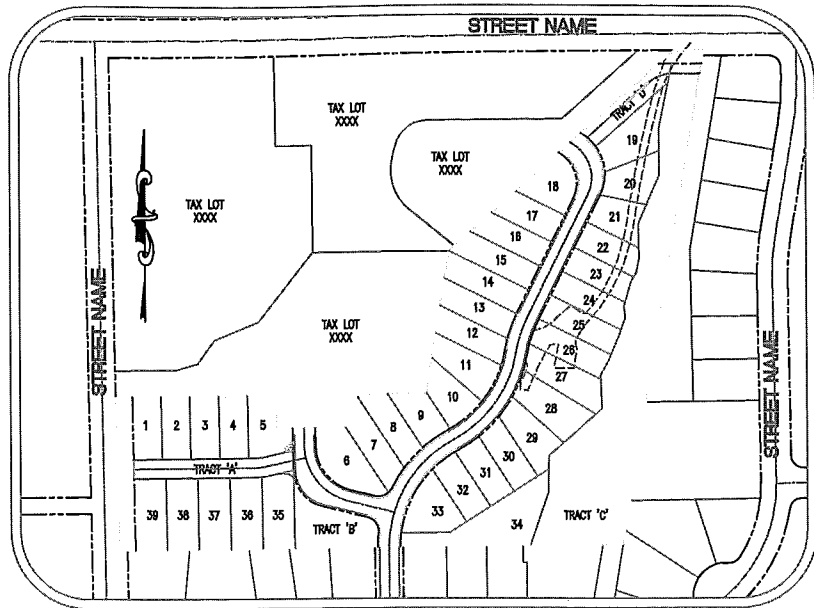
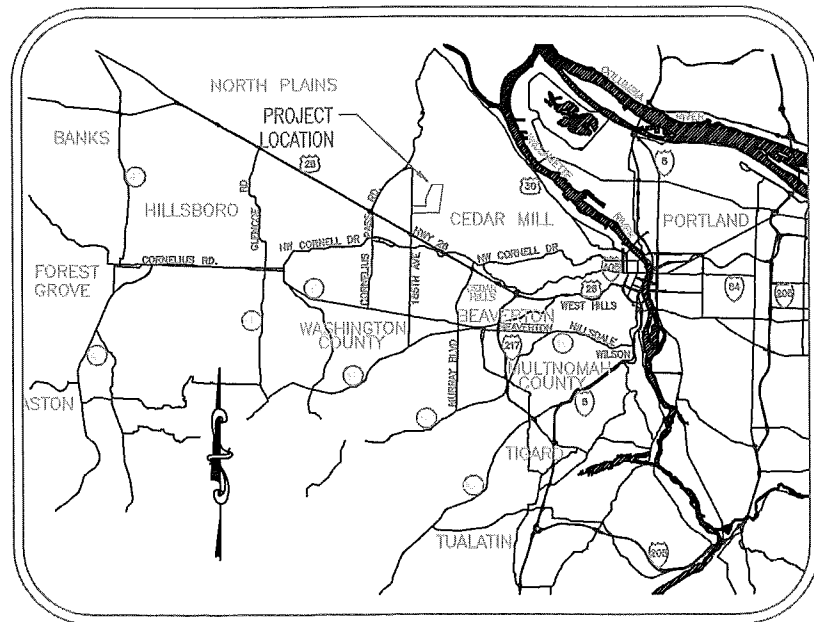


# ESC PLAN FOR SITES 5 ACRES AND GREATER



**SITE MAP** NOT TO SCALE



**VICINITY MAP** NOT TO SCALE

**DEVELOPER**

DEVELOPER/COMPANY: \_\_\_\_\_  
 CONTACT: \_\_\_\_\_  
 ADDRESS 1: \_\_\_\_\_  
 ADDRESS 2: \_\_\_\_\_  
 PHONE: 503-\_\_\_\_\_  
 FAX: 503-\_\_\_\_\_

**PLANNING / ENGINEERING / SURVEYING FIRM**

ENGINEERING & SURVEY FIRM  
 CONTACT: \_\_\_\_\_  
 ADDRESS 1: \_\_\_\_\_  
 ADDRESS 2: \_\_\_\_\_  
 PHONE: 503-\_\_\_\_\_  
 FAX: 503-\_\_\_\_\_

**NARRATIVE DESCRIPTIONS**

**EXISTING SITE CONDITIONS**

• 3 HOMES, 3 OUT BUILDINGS, FORESTED AREAS, PASTURE AREAS, AND DRIVEWAYS

**DEVELOPED CONDITIONS**

• 39 LOT RESIDENTIAL SUBDIVISION WITH PUBLIC STREETS AND UTILITIES

**NATURE OF CONSTRUCTION ACTIVITY AND ESTIMATED TIME TABLE**

- CLEARING (DATES, FROM & TO: \_\_\_\_\_)
- MASS GRADING (DATES, FROM & TO: \_\_\_\_\_)
- UTILITY INSTALLATION (DATES, FROM & TO: \_\_\_\_\_)
- STREET CONSTRUCTION (DATES, FROM & TO: \_\_\_\_\_)
- FINAL STABILIZATION (DATES, FROM & TO: \_\_\_\_\_)

TOTAL SITE AREA = 300,141 SF = 6.89 ACRES

TOTAL DISTURBED AREA = 244,633 SF = 5.62 ACRES

**SITE SOIL CLASSIFICATION:**

- 11B - CORNELIUS AND KINTON SILT LOAMS, 2 TO 7 PERCENT SLOPES
- 11D - CORNELIUS AND KINTON SILT LOAMS, 12 TO 20 PERCENT SLOPES
- 11E - CORNELIUS AND KINTON SILT LOAMS, 20 TO 30 PERCENT SLOPES
- 11F - CORNELIUS AND KINTON SILT LOAMS, 30 TO 60 PERCENT SLOPES
- 16C - DELENA SILT LOAM, 3 TO 12 PERCENT SLOPES

ON-SITE SOILS HAVE A MODERATE TO HIGH EROSION POTENTIAL. ALL FILL MATERIAL SHALL BE GENERATED ON-SITE FROM GRADING EXCAVATION AND UTILITY TRENCH SPOILS.

**RECEIVING WATER BODIES:**

NEAREST WATER BODY: JOHNSON CREEK

**PERMITTEE'S SITE INSPECTOR:** JOE INSPECTOR

COMPANY/AGENCY: \_\_\_\_\_  
 PHONE: \_\_\_\_\_  
 FAX: \_\_\_\_\_

E-MAIL: \_\_\_\_\_  
 DESCRIPTION OF EXPERIENCE: 10 YEARS OF EXPERIENCE IN THE CONSTRUCTION INDUSTRY, OF WHICH 5 YEARS WERE SPENT INSTALLING AND MAINTAINING EROSION CONTROL MEASURES. ATTENDED AN 8 HOUR TRAINING COURSE ON THE PRINCIPLES AND PRACTICES OF EROSION CONTROL AT THE UNIVERSITY OF WASHINGTON. ATTENDED IECA CONFERENCE IN 1998 AND 2003.

**INSPECTION FREQUENCY:**

SITE CONDITION	MINIMUM FREQUENCY
1. ACTIVE PERIOD	DAILY WHEN STORMWATER RUNOFF, INCLUDING RUNOFF FROM SNOWMELT, IS OCCURRING.
2. PRIOR TO THE SITE BECOMING INACTIVE OR IN ANTICIPATION OF SITE INACCESSIBILITY.	AT LEAST ONCE EVERY TWO (2) WEEKS REGARDLESS OF WHETHER STORMWATER RUNOFF IS OCCURRING.
3. INACTIVE PERIODS GREATER THAN FOURTEEN (14) CONSECUTIVE CALENDAR DAYS.	ONCE EVERY TWO (2) WEEKS.
4. PERIODS DURING WHICH THE SITE IS INACCESSIBLE DUE TO INCLEMENT WEATHER.	IF PRACTICAL, INSPECTIONS MUST OCCUR DAILY AT A RELEVANT AND ACCESSIBLE DISCHARGE POINT OR DOWNSTREAM LOCATION.

- HOLD A PRE-CONSTRUCTION MEETING OF PROJECT CONSTRUCTION PERSONNEL THAT INCLUDES THE INSPECTOR TO DISCUSS EROSION AND SEDIMENT CONTROL MEASURES AND CONSTRUCTION LIMITS. (Schedule A.8.c.(3))
- ALL INSPECTIONS MUST BE MADE IN ACCORDANCE WITH DEQ 1200-C PERMIT REQUIREMENTS.
- INSPECTION LOGS MUST BE KEPT IN ACCORDANCE WITH DEQ'S 1200-C PERMIT REQUIREMENTS.
- RETAIN A COPY OF THE ESCP AND ALL REVISIONS ON SITE AND MAKE IT AVAILABLE ON REQUEST TO DEQ, AGENT, OR THE LOCAL MUNICIPALITY. DURING INACTIVE PERIODS OF GREATER THAN SEVEN (7) CONSECUTIVE CALENDAR DAYS, RETAIN THE ESCP AT THE CONSTRUCTION SITE OR AT ANOTHER LOCATION. (Schedule B.2.a)

**STANDARD EROSION AND SEDIMENT CONTROL PLAN DRAWING NOTES:**

- All permit registrants must implement the ESCP. Failure to implement any of the control measures or practices described in the ESCP is a violation of the permit. (Schedule A.8.a)
- The ESCP measures shown on this plan are minimum requirements for anticipated site conditions. During the construction period, upgrade these measures as needed to comply with all applicable local, state, and federal erosion and sediment control regulations. (Schedule A.8.c.(1)(c))
- Submission of all ESCP revisions is not required. Submittal of the ESCP revisions is only under specific conditions. Submit all necessary revision to DEQ or Agent. (Schedule A.12.c.iii)
- Phase clearing and grading to the maximum extent practical to prevent exposed inactive areas from becoming a source of erosion. (Schedule A.8.c.(1)(d))
- Identify, mark, and protect (by fencing off or other means) critical riparian areas and vegetation including important trees and associated rooting zones, and vegetation areas to be preserved. Identify vegetative buffer zones between the site and sensitive areas (e.g., wetlands), and other areas to be preserved, especially in perimeter areas. (Schedule A.8.c.(1) & (2))
- Preserve existing vegetation when practical and re-vegetate open areas. Re-vegetate open areas when practicable before and after grading or construction. Identify the type of vegetative seed mix used. (Schedule A.7.b.iii(1) and A.7.b.iii(3))
- Erosion and sediment control measures including perimeter sediment control must be in place before vegetation is disturbed and must remain in place and be maintained, repaired, and promptly implemented following procedures established for the duration of construction, including protection for active storm drain inlets and catch basins and appropriate non-stormwater pollution controls. (Schedule A.7.d.i and A.8.c)
- Establish concrete truck and other concrete equipment washout areas before beginning concrete work. (Schedule A.8.c.i(6))
- Apply temporary and/or permanent soil stabilization measures immediately on all disturbed areas as grading progresses and for all roadways including gravel roadways. (Schedule A.8.c.ii(2))
- Establish material and waste storage areas, and other non-stormwater controls. (Schedule A.8.c.ii(7))
- Prevent tracking of sediment onto public or private roads using BMPs such as gravelled (or paved) exits and parking areas, gravel all unpaved roads located onsite, or use an exit tire wash. These BMPs must be in place prior to land-disturbing activities. (Schedule A.7.d.ii(1) and A.8.c.ii(4))
- When trucking saturated soils from the site, either use water-light trucks or drain loads on site. (Schedule A.7.d.ii(3))
- Use BMPs to prevent or minimize stormwater exposure to pollutants from spillage, vehicle and equipment fueling, maintenance, and storage; other cleaning and maintenance activities; and waste handling activities. These pollutants include fuel, hydraulic fluid, and other oils from vehicles and machinery, as well as debris, leftover paints, solvents, and glues from construction operations. (Schedule A.7.a.i(2))
- Implement the following BMPs when applicable: written spill prevention and response procedures, employee training on spill prevention and proper disposal procedures, spill kits in all vehicles, regular maintenance schedule for vehicles and machinery, material delivery and storage controls, training and signage, and covered storage areas for waste and supplies. (Sch A.7.a.ii)
- Use water, soil-binding agent or other dust control technique as needed to avoid wind-blown soil. (Schedule A.7.b.i)
- The application rate of fertilizers used to reestablish vegetation must follow manufacturer's recommendations to minimize nutrient releases to surface waters. Exercise caution when using time-release fertilizers within any waterway riparian zone. (Schedule A.9.b.iii)
- If a stormwater treatment system (for example, electro-coagulation, flocculation, filtration, etc.) for sediment or other pollutant removal is employed, submit an operation and maintenance plan (including system schematic, location of system, location of inlet, location of discharge, discharge dispersion device design, and a sampling plan and frequency) before operating the treatment system. Obtain plan approval before operating the treatment system. Operate and maintain the treatment system according to manufacturer's specifications. (Schedule A.8.d)
- Temporarily stabilize soils at the end of the shift before holidays and weekends, if needed. The registrant is responsible for ensuring that soils are stable during rain events at all times of the year. (Schedule A.7.b)
- At the end of each workday soil stockpiles must be stabilized or covered, or other BMPs must be implemented to prevent discharge to surface waters or conveyance systems leading to surface waters. (Schedule A.7.a.ii(2))
- Construction activities must avoid or minimize excavation and creation of bare ground during wet weather. (Schedule A.7.a.ii)
- Sediment fences: remove trapped sediment before it reaches one third of the above ground fence height and before fence removal. (Schedule A.9.c.i)
- Other sediment barriers (such as biobags): remove sediment before it reaches two inches depth above ground height, and before BMP removal. (Schedule A.9.c.ii)
- Catch basins: clean before retention capacity has been reduced by fifty percent. Sediment basins and sediment traps: remove trapped sediments before design capacity has been reduced by fifty percent and at completion of project. (Schedule A.9.c.iii & iv)
- Within 24 hours, significant sediment that has left the construction site, must be remediated. Investigate the cause of the sediment release and implement steps to prevent a recurrence of the discharge within the same 24 hours. Any in-stream clean up of sediment shall be performed according to the Oregon Division of State Lands required timeframe. (Schedule A.8.b.i)
- The intentional washing of sediment into storm sewers or drainage ways must not occur. Vacuuming or dry sweeping and material pickup must be used to cleanup released sediments. (Schedule A.9.b.v)
- The entire site must be temporarily stabilized using vegetation or a heavy mulch layer, temporary seeding, or other method should all construction activities cease for 30 days or more. (Schedule A.7.f.i)
- Provide temporary stabilization for that portion of the site where construction activities cease for 14 days or more with a covering of blown straw and a tackifier, loose straw, or an adequate covering of compost mulch until work resumes on that portion of the site. (Schedule A.7.f.ii)
- Provide permanent erosion control measures on all exposed areas. Do not remove temporary sediment control practices until permanent vegetation or other cover of exposed areas is established. However, do remove all temporary erosion control measures as exposed areas become stabilized, unless doing so conflicts with local requirements. Properly dispose of construction materials and waste, including sediment retained by temporary BMPs. (Schedule A.7.b.iii(2) and A.8.c.iii)

THE PERMITTEE IS REQUIRED TO MEET ALL THE CONDITIONS OF THE 1200C PERMIT. THIS ESCP AND GENERAL CONDITIONS HAVE BEEN DEVELOPED TO FACILITATE COMPLIANCE WITH THE 1200C PERMIT REQUIREMENTS. IN CASES OF DISCREPANCIES OR OMISSIONS, THE 1200C PERMIT REQUIREMENTS SUPERCEDE REQUIREMENTS OF THIS PLAN.

**BMP MATRIX FOR CONSTRUCTION PHASES**

REFER TO DEQ GUIDANCE MANUAL FOR A COMPREHENSIVE LIST OF AVAILABLE BMP'S.

	CLEARING	MASS GRADING	UTILITY INSTALLATION	STREET CONSTRUCTION	FINAL STABILIZATION	WET WEATHER (OCT. 1 - MAY 31ST)
<b>EROSION PREVENTION</b>						
PRESERVE NATURAL VEGETATION	**X	X	X	X	X	X
GROUND COVER					X	X
<b>HYDRAULIC APPLICATIONS</b>					X	X
PLASTIC SHEETING					X	X
MATTING					X	X
DUST CONTROL	X	X	X	X	X	X
TEMPORARY PERMANENT SEEDING		X	X	X	X	X
BUFFER ZONE	**X	X	X	X	X	X
<b>OTHER:</b>						
<b>SEDIMENT CONTROL</b>						
SEDIMENT FENCE (PERIMETER)	**X	X	X	X	X	X
SEDIMENT FENCE (INTERIOR)			X	X	X	X
STREAM WATLES			X	X	X	X
FILTER BERM	X	X	X	X	X	X
INLET PROTECTION	**X	X	X	X	X	X
DEWATERING			X	X	X	X
SEDIMENT TRAP	X	X	X	X	X	X
<b>OTHER:</b>						
<b>RUN OFF CONTROL</b>						
CONSTRUCTION ENTRANCE	**X	X	X	X	X	X
PIPE SLOPE DRAIN	X	X	X	X	X	X
OUTLET PROTECTION	X	X	X	X	X	X
SURFACE ROUGHENING					X	X
CHECK DAMS	**X	X	X	X	X	X
<b>OTHER:</b>						
<b>POLLUTION PREVENTION</b>						
PROPER SIGNAGE	X	X	X	X	X	X
HAZ WASTE MGMT	X	X	X	X	X	X
SPILL KIT ON-SITE	X	X	X	X	X	X
CONCRETE WASHOUT AREA	X	X	X	X	X	X
<b>OTHER:</b>						

\*\* SIGNIFIES BMP THAT WILL BE INSTALLED PRIOR TO ANY GROUND DISTURBING ACTIVITY.

**RATIONALE STATEMENT**

A COMPREHENSIVE LIST OF AVAILABLE BEST MANAGEMENT PRACTICES (BMP) OPTIONS BASED ON DEQ'S GUIDANCE MANUAL HAS BEEN REVIEWED TO COMPLETE THIS EROSION AND SEDIMENT CONTROL PLAN. SOME OF THE ABOVE LISTED BMP'S WERE NOT CHOSEN BECAUSE THEY WERE DETERMINED TO NOT EFFECTIVELY MANAGE EROSION PREVENTION AND SEDIMENT CONTROL FOR THIS PROJECT BASED ON SPECIFIC SITE CONDITIONS, INCLUDING SOIL CONDITIONS TOPOGRAPHIC CONSTRAINTS, ACCESSIBILITY TO THE SITE, AND OTHER RELATED CONDITIONS, AS THE PROJECT PROGRESSES AND THERE IS A NEED TO REVISE THE ESC PLAN, AN ACTION PLAN WILL BE SUBMITTED.

INITIAL \_\_\_\_\_

**LOCAL AGENCY-SPECIFIC EROSION CONTROL NOTES:**

**CONTROL NOTES:**

- If vegetative seed mixes are specified, seeding must take place no later than September 1; the type and percentages of seed in the mix must be identified on the plans.
- All pumping of sediment laden water shall be discharged over an undisturbed, preferably vegetated area, and through a sediment control BMP i.e. (filter bag).
- All exposed soils must be covered during the wet weather period, October 01 - May 31.

**SHEET INDEX**

**EROSION AND SEDIMENT CONTROL PLANS**

- C050 EROSION AND SEDIMENT CONTROL COVER SHEET
- C051 CLEARING AND DEMOLITION EROSION AND SEDIMENT CONTROL PLAN
- C052 GRADING, STREET AND UTILITY CONSTRUCTION EROSION AND SEDIMENT CONTROL PLAN
- C053 EROSION AND SEDIMENT CONTROL DETAILS
- C054 EROSION AND SEDIMENT CONTROL DETAILS

**PROJECT LOCATION:**

NEAR THE \_\_\_\_\_ WASHINGTON COUNTY, OREGON  
 LATITUDE = XX.XXXX LONGITUDE = XXX.XXXX

**PROPERTY DESCRIPTION:**

TAX LOTS \_\_\_\_\_ (WASHINGTON COUNTY TAX MAP XX-X-XXXX) LOCATED IN THE NORTHEAST 1/4 OF SECTION 30, TOWNSHIP 1 SOUTH, RANGE 1 WEST, WILLAMETTE MERIDIAN, WASHINGTON COUNTY, OREGON

**ATTENTION EXCAVATORS:**

OREGON LAW REQUIRES YOU TO FOLLOW RULES ADOPTED BY THE OREGON UTILITY NOTIFICATION CENTER. THOSE RULES ARE SET FORTH IN OAR 952-001-0010 THROUGH OAR 952-001-0090. YOU MAY OBTAIN COPIES OF THESE RULES FROM THE CENTER BY CALLING 503-232-1987. IF YOU HAVE ANY QUESTIONS ABOUT THE RULES, YOU MAY CONTACT THE CENTER. YOU MUST NOTIFY THE CENTER AT LEAST TWO BUSINESS DAYS, BEFORE COMMENCING AN EXCAVATION. CALL 503-246-6699.

**REVISIONS:**

- ▲ 1/23/07 Revised Inspection Frequency, and Notes
- ▲ 12/01/10 Updated for 1200-C issued after 01Dec10
- ▲ 08/02/11 Note revision for 1200-C

**EROSION AND SEDIMENT CONTROL COVER SHEET**

**ENGINEERING FIRM**

DESIGNED BY: XXXX DRAWING NO.: XXXX  
 DRAWN BY: XXXX SCALE: XXXX  
 CHECKED BY: XXXX  
 PREPARED FOR:  
 CLEAN WATER SERVICES  
 2550 SW HILLSBORO HIGHWAY  
 HILLSBORO, OR 97123  
 PHONE: 503-681-3600  
 FAX: 503-681-3603

**WASHINGTON COUNTY OREGON**  
 TAX LOTS \_\_\_\_\_ WASHINGTON COUNTY TAX MAP \_\_\_\_\_

DATE: \_\_\_\_\_



JOB NUMBER  
XXXX  
 SHEET  
XXXX