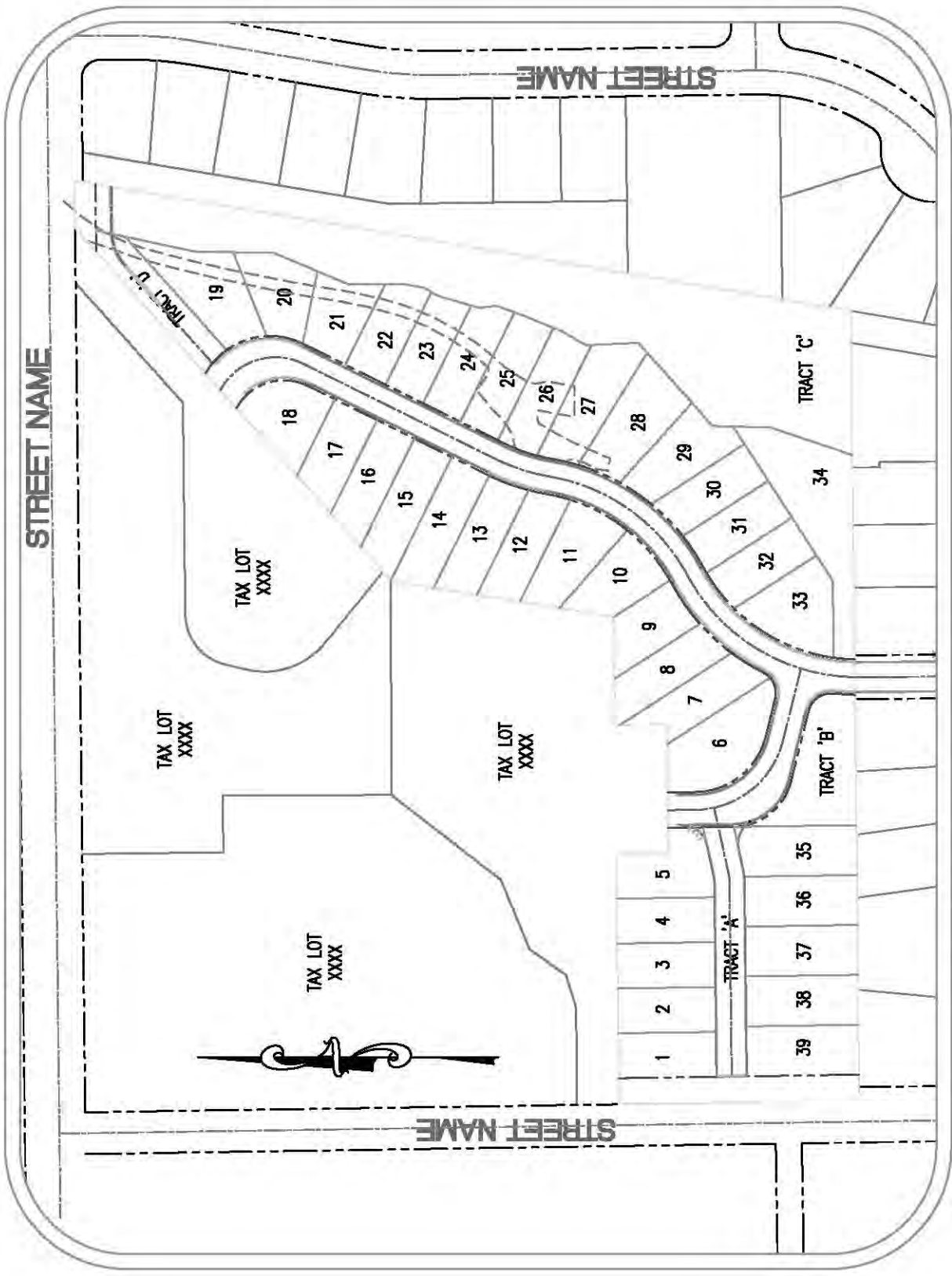
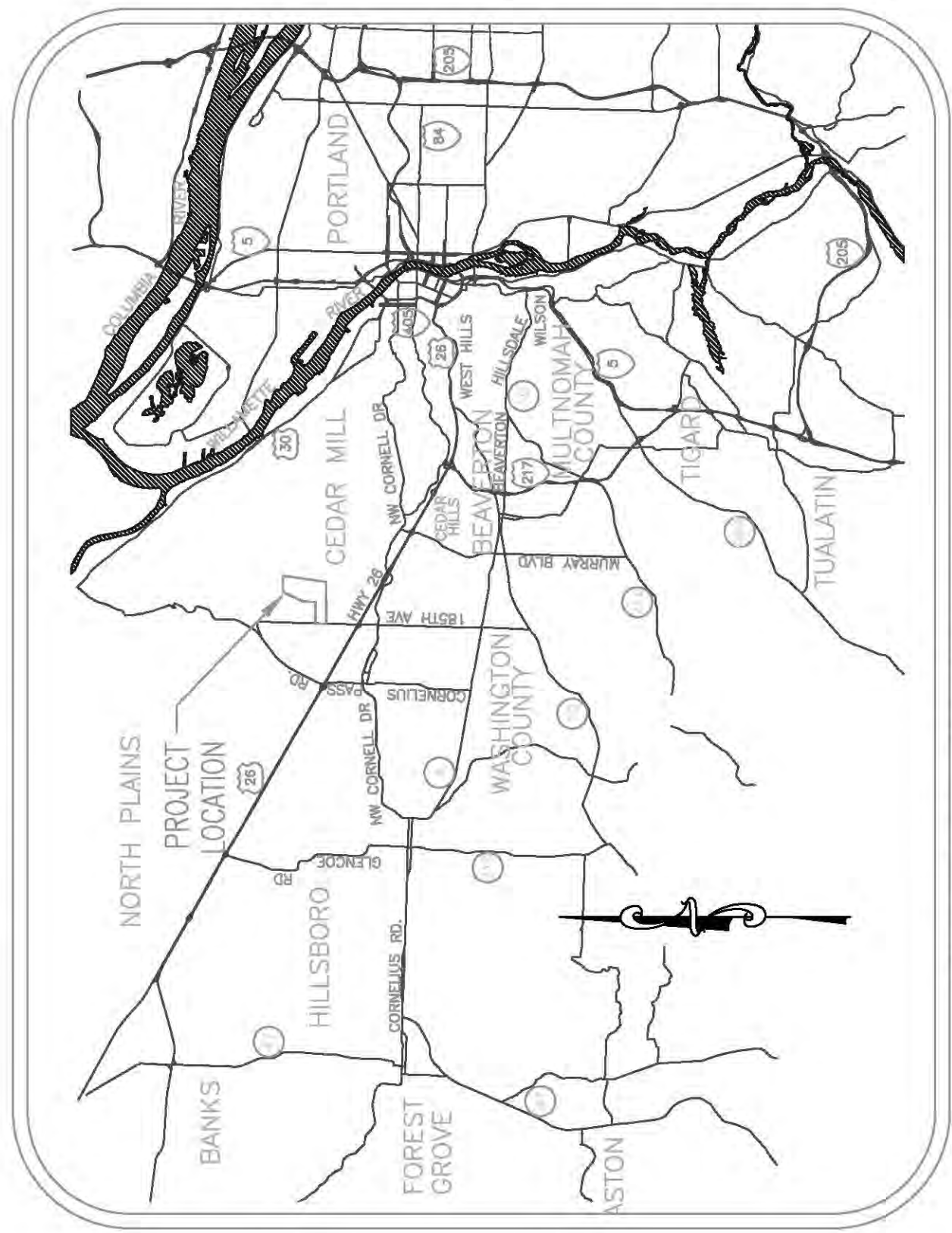


ESC PLAN FOR SITES 5 ACRES AND GREATER



SITE MAP NOT TO SCALE



VICINITY MAP NOT TO SCALE

PROJECT LOCATION:
NEAR THE _____ 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
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 503-246-6689.

DEVELOPER
DEVELOPER/COMPANY: _____
CONTACT: _____
ADDRESS 1 _____
ADDRESS 2 _____
PHONE: 503-_____
FAX: 503-_____
PLANNING / ENGINEERING / SURVEYING FIRM
ENGINEERING & SURVEY FIRM
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
- 11C – 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 – DELTA 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

INSPECTION FREQUENCY:	SITE CONDITION	MINIMUM FREQUENCY
1. ACTIVE PERIOD		DAILY WHEN STORMWATER RUNOFF, INCLUDING RUNOFF FROM SNOW MELT, IS OCCURRING. AT LEAST ONCE EVERY FOURTEEN (14) CALENDAR DAYS REGARDLESS OF WHETHER STORMWATER RUNOFF IS OCCURRING.
2. PRIOR TO THE SITE BECOMING INACTIVE OR IN ANTICIPATION OF SITE INACCESSIBILITY.		ONCE TO ENSURE THAT EROSION AND SEDIMENT CONTROL MEASURES ARE IN WORKING ORDER. ANY NECESSARY MAINTENANCE AND REPAIR MUST BE MADE PRIOR TO LEAVING THE SITE.
3. INACTIVE PERIODS GREATER THAN FOURTEEN (14) CONSECUTIVE CALENDAR DAYS.		ONCE EVERY MONTH.
4. PERIODS DURING WHICH THE SITE IS INACCESSIBLE DUE TO INOLEMENT WEATHER.		IF PRACTICAL, INSPECTIONS MUST OCCUR DAILY AT A RELEVANT AND ACCESSIBLE DISCHARGE POINT OR DOWNSTREAM LOCATION.
5. PERIODS DURING WHICH DISCHARGE IS UNLIKELY DUE TO FROZEN CONDITIONS.		MONTHLY, RESUME MONITORING IMMEDIATELY UPON MELT, OR WHEN WEATHER CONDITIONS MAKE DISCHARGES LIKELY.

- * 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.i.x3)
- * 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.i.i.(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.x4)
- Phase clearing and grading to the maximum extent practical to prevent exposed inactive areas from becoming a source of erosion. (Schedule A 8.c.i.(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 riparian areas. (Schedule A.8.c.i.(1) & (2))
- Preserve existing vegetation when practical and re-vegetate open areas when practicable before and after grading or construction. Identify the type of vegetative seed mix used. (Schedule A.4.b.x(1) and A.4.b.x(2))
- Remove all debris, rocks, and other materials from the site. All debris, rocks, and other materials must be removed, detached 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. Direct all wash water info a pit or leak-proof container. Handle wash water as waste, concrete discharge to waters of the state is prohibited. (Schedule A.8.c.i.(6) and A.8.c.i.(2))
- 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.i.(3))
- Establish material and waste storage areas, and other non-stormwater controls. (Schedule A.8.c.i.(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 the wash. These BMPs must be in place prior to land-disturbing activities. (Schedule A 7.d.ii. and A.8.c.i.(4))
- When trucking saturated soils from the site, either use water-tight trucks or drain loads on site. (Schedule A.7.d.ii.(6))
- Use BMPs to prevent or minimize stormwater exposure to pollutants from spills, 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 trucks and machinery, as well as deers, antifreeze, paints, solvents, and glues from construction activities. (Schedule A.7.d.ii.(2))
- Implement the following BMPs: 1) 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.e.ii.)
- Use water, soil-binding agent or other dust control technique as needed to avoid wind-blown soil. (Schedule A 7.d.x)
- 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 lime-release fertilizers within any waterway riparian zone. (Schedule A.8.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.d.ii)
- At the end of each workday soil stockpiles must be stabilized or covered, or other BMPs must be implemented to prevent discharges to surface waters or congregate systems leading to surface waters (Schedule A 7.e.i.(2))
- Construction activities must avoid or minimize excavation and creation of bare ground during wet weather. (Schedule A.7.c.u)
- Sediment fence remove trapped sediment before it reaches one third of the above ground fence height and before fence removal. (Schedule A.8.c.i)
- Other sediment barriers (such as bittogs); remove sediment before it reaches two inches depth above ground height, and before BMP removal. (Schedule A.8.c.i)
- Catch basins: clean before retention capacity has been reduced by fifty percent. Sediment basins and sediment traps: remove sediment before retention capacity has been reduced by fifty percent and at completion of project. (Schedule A.8.c.i.ii & 4-y)
- 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.ii)
- 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.i.i)
- Provide temporary stabilization for that portion of the site where construction activities cease for 14 days or more with a covering of brown 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.i.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 practices as an adequate permanent erosion control measure. (Schedule A.8.c.i.ii)
- As an adequate permanent erosion control measure, include sediment control BMPs. (Schedule A.7.c.x(2) and A.8.c.i)
- If water of the state is within the project site or within 50 feet of the project boundary, maintain the existing natural buffer within the 50-foot zone for the duration of the permit coverage, or maintain less than the entire existing natural buffer and provide additional erosion and sediment control BMPs. (Schedule A.7.b.i)

LOCAL AGENCY-SPECIFIC EROSION 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.

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

PLANNING / ENGINEERING / SURVEYING FIRM
ENGINEERING & SURVEY FIRM
ADDRESS 1 _____
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PHONE: 503-_____
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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
- 11C – 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
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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

INSPECTION FREQUENCY:	SITE CONDITION	MINIMUM FREQUENCY
1. ACTIVE PERIOD		DAILY WHEN STORMWATER RUNOFF, INCLUDING RUNOFF FROM SNOW MELT, IS OCCURRING. AT LEAST ONCE EVERY FOURTEEN (14) CALENDAR DAYS REGARDLESS OF WHETHER STORMWATER RUNOFF IS OCCURRING.
2. PRIOR TO THE SITE BECOMING INACTIVE OR IN ANTICIPATION OF SITE INACCESSIBILITY.		ONCE TO ENSURE THAT EROSION AND SEDIMENT CONTROL MEASURES ARE IN WORKING ORDER. ANY NECESSARY MAINTENANCE AND REPAIR MUST BE MADE PRIOR TO LEAVING THE SITE.
3. INACTIVE PERIODS GREATER THAN FOURTEEN (14) CONSECUTIVE CALENDAR DAYS.		ONCE EVERY MONTH.
4. PERIODS DURING WHICH THE SITE IS INACCESSIBLE DUE TO INOLEMENT WEATHER.		IF PRACTICAL, INSPECTIONS MUST OCCUR DAILY AT A RELEVANT AND ACCESSIBLE DISCHARGE POINT OR DOWNSTREAM LOCATION.
5. PERIODS DURING WHICH DISCHARGE IS UNLIKELY DUE TO FROZEN CONDITIONS.		MONTHLY, RESUME MONITORING IMMEDIATELY UPON MELT, OR WHEN WEATHER CONDITIONS MAKE DISCHARGES LIKELY.

- * 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.i.x3)
- * 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)

EROSION AND SEDIMENT CONTROL COVER SHEET

REVISIONS:	Frequency, and Notes
1	1/23/07 Revised Inspection Frequency, and Notes
2	12/01/10 Updated for 1200-C issued after 01Dec10
3	06/02/11 Note revision for 1200-C
4	12/15/15 Updated for 1200-C issued after 15Dec15

ENGINEERING FIRM

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

PROJECT NAME

WASHINGTON COUNTY

WASHINGTON COUNTY TAX MAP

OREGON



DATE:

JOB NUMBER
XXXX
SHEET
XXXX

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)
EROSION PREVENTION						
PRESERVE NATURAL VEGETATION	**X	X	X	X	X	X
GROUND COVER					X	X
NO-TURF DRIVEWAYS					X	X
PLASTER SEEDING					X	X
MULCHING					X	X
DUST CONTROL	X	X	X	X	X	X
TEMPORARY PERMANENT SEEDING		X	X	X	X	X
SURFACE ZONE	**X	X	X	X	X	X
OTHER						
SEDIMENT CONTROL						
SEDIMENT FENCE (PERIMETER)	**X	X	X	X	X	X
STRAW MATS		X	X	X	X	X
FILTER BERM	X	X	X	X	X	X
INLET PROTECTION	**X	X	X	X	X	X
SEDIMENT TRAP	X	X	X	X	X	X
NATURAL BUFFER (ENCLOSURE 1)	X	X	X	X	X	X
OTHER						
RUN OFF CONTROL						
CONSTRUCTION ENTRANCE	**X	X	X	X	X	X
PEDESTAL DRAIN	X	X	X	X	X	X
SEDIMENT BASINS	X	X	X	X	X	X
SURFACE DRAINAGE	X	X	X	X	X	X
CHECK DAM	**X	X	X	X	X	X
OTHER						
POLLUTION PREVENTION						
PROPER STORAGE	X	X	X	X	X	X
HAZ WASTE MGMT	X	X	X	X	X	X
HAZ WASTE MGMT AREA	X	X	X	X	X	X
CONCRETE WASHOUT AREA	X	X	X	X	X	X
OTHER						

- * SIGNIFES ADDITIONAL BMP'S REQUIRED FOR WORK WITHIN 50' OF WATER OF THE STATE
- ** SIGNIFES 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 CONSIDERATIONS. CONSIDERATIONS FOR CHOOSING CERTAIN BMP'S WERE BASED ON 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

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. CRESL #17345. (BEGINNING JANUARY 1, 2017 EROSION CONTROL INSPECTORS MUST HAVE CERTIFICATION THROUGH A PROGRAM APPROVED BY DEQ. THE FOLLOWING PROGRAMS CAN BE USED TO MEET THIS REQUIREMENT: CERTIFIED PROFESSIONAL IN EROSION AND SEDIMENT CONTROL, CERTIFIED PROFESSIONAL IN STORM WATER QUALITY, WASHINGTON STATE CERTIFIED EROSION AND SEDIMENT CONTROL LEAD, BOGUE VALLEY SENIOR SERVICES EROSION AND SEDIMENT CONTROL CERTIFICATION.)

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
- C053 EROSION AND SEDIMENT CONTROL PLAN
- C054 EROSION AND SEDIMENT CONTROL DETAILS

* NOTE: PRE-DEVELOPED RUN-OFF SHEET FLOWS
EASTERLY INTO ON-SITE DRAINAGE AND NORTHERLY
ONTO ADJACENT PROPERTIES.

REVISIONS:	CLEARING, DEMOLITION, MASS GRADING, EROSION AND SEDIMENT CONTROL PLAN	ENGINEERING FIRM	DESIGNED BY: DRAWN BY: CHECKED BY:	DRAWING NO.: SCALE:	PROJECT NAME WASHINGTON COUNTY TAX LOTS	WASHINGTON COUNTY TAX MAP	OREGON	JOB NUMBER XXXX XXXX	SHEET XXXX XXXX		EXP. DATE: Month Day Year

WASHINGTON COUNTY
TAX LOTS

OREGON

[illegible]

STW/NC

PREPARED FOR:

ENGINEERING FIRM

MASS GRADING, EROSION AND SEDIMENT CONTROL PLAN

EXPIRES: Month Day Year

JOB NUMBER

XXX

SHEET

XXXX

LEGEND

FINISHED GRADE CONTOUR (2 FT)

—102—

FINISHED GRADE CONTOUR (10 FT)

—100—

SEDIMENT BARRIER (PERIMETER)

—X—

SEDIMENT BARRIER (INTERIOR)

—XX—

ORANGE CONSTRUCTION FENCE

—○—

BRUSH BARRIER

—| | | |

CHECK DAM

—| | | |

CONSTRUCTION ENTRANCE

—| | | |

DIVERSION DIKE

—| | | |

DIVERSION SWALE

—| | | |

DIVERSION DIKE/SWALE

—| | | |

INLET PROTECTION

—| | | |

SEDIMENT MAT

—| | | |

TEMPORARY SLOPE DRAIN

—| | | |

COMPOST BLANKET

—| | | |

SEEDING & MULCHING

—| | | |

CONCRETE WASH AREA

—| | | |

OUTLET PROTECTION

—| | | |

ROCK FILTER BERM

—| | | |

TEMPORARY SLOPE STABILIZATION MEASURES

—| | | |

LONG TERM SLOPE STABILIZATION MEASURES

—| | | |

NEW IMPERVIOUS SURFACE

—| | | |

DRAINAGE FLOW DIRECTION

—| | | |

THESE EROSION AND SEDIMENT CONTROL PLANS ASSUME "DRY WEATHER" CONSTRUCTION. "WET WEATHER" CONSTRUCTION MEASURES NEED TO BE APPLIED BETWEEN OCTOBER 1ST AND MAY 31ST.

GRADING, STREET AND UTILITY EROSION AND SEDIMENT CONSTRUCTION NOTES:

1. SEED USED FOR TEMPORARY OR PERMANENT SEEDING SHALL BE COMPOSED OF ONE OF THE FOLLOWING MIXTURES; UNLESS OTHERWISE AUTHORIZED:

A. VEGETATED CORRIDOR AREAS REQUIRE NATIVE SEED MIXES. SEE RESTORATION PLAN FOR APPROPRIATE SEED MIX.

B. DWARF GRASS MIX (MIN. 100 LB./AC.)

1. DWARF PERENNIAL RYEGRASS (80% BY WEIGHT)

2. CREEPING RED FESCUE (20% BY WEIGHT)

C. STANDARD HEIGHT GRASS MIX (MIN. 100LB./AC.)

1. ANNUAL RYEGRASS (40% BY WEIGHT)

2. TURF-TYPE FESCUE (60% BY WEIGHT)

2. SLOPE TO RECEIVE TEMPORARY OR PERMANENT SEEDING SHALL HAVE THE SURFACE ROUGHENED BY MEANS OF TRACK-WALKING OR THE USE OF OTHER APPROVED IMPLEMENTS. SURFACE ROUGHENING IMPROVES SEED BEDDING AND REDUCES RUN-OFF VELOCITY.

3. LONG TERM SLOPE STABILIZATION MEASURES SHALL INCLUDE THE ESTABLISHMENT OF PERMANENT VEGETATIVE COVER VIA SEEDING WITH APPROVED MIX AND APPLICATION RATE.

4. TEMPORARY SLOPE STABILIZATION MEASURES SHALL INCLUDE: COVERING EXPOSED SOIL WITH PLASTIC SHEETING, STRAW MULCHING, WOOD CHIPS, OR OTHER APPROVED MEASURES.

5. STOCKPILED SOIL OR STRIPPINGS SHALL BE PLACED IN A STABLE LOCATION AND CONFIGURATION. DURING "WET WEATHER" PERIODS, STOCKPILES SHALL BE COVERED WITH PLASTIC SHEETING OR STRAW MULCH. SEDIMENT FENCE IS REQUIRED AROUND THE PERIMETER OF THE STOCKPILE.

6. EXPOSED CUT OR FILL AREAS SHALL BE STABILIZED THROUGH THE USE OF TEMPORARY SEEDING AND MULCHING, EROSION CONTROL BLANKETS OR MATS, MID-SLOPE SEDIMENT FENCES OR WATTLES, OR OTHER APPROPRIATE MEASURES. SLOPES EXCEEDING 25% MAY REQUIRE ADDITIONAL EROSION CONTROL MEASURES.

7. AREAS SUBJECT TO WIND EROSION SHALL USE APPROPRIATE DUST CONTROL MEASURES INCLUDING THE APPLICATION OF A FINE SPRAY OF WATER, PLASTIC SHEETING, STRAW MULCHING, OR OTHER APPROVED MEASURES.

8. CONSTRUCTION ENTRANCES SHALL BE INSTALLED AT THE BEGINNING OF CONSTRUCTION AND MAINTAINED FOR THE DURATION OF THE PROJECT. ADDITIONAL MEASURES INCLUDING, BUT NOT LIMITED TO, TIRE WASHES, STREET SWEEPING, AND VACUUMING MAY BE REQUIRED TO INSURE THAT ALL PAVED AREAS ARE KEPT CLEAN FOR THE DURATION OF THE PROJECT.

9. ACTIVE INLETS TO STORM WATER SYSTEMS SHALL BE PROTECTED THROUGH THE USE OF APPROVED INLET PROTECTION MEASURES. ALL INLET PROTECTION MEASURES ARE TO BE REGULARLY INSPECTED AND MAINTAINED AS NEEDED.

10. SATURATED MATERIALS THAT ARE HAULED OFF-SITE MUST BE TRANSPORTED IN WATER-TIGHT TRUCKS TO ELIMINATE SPILLAGE OF SEDIMENT AND SEDIMENT-LADEN WATER.

11. AN AREA SHALL BE PROVIDED FOR THE WASHING OUT OF CONCRETE TRUCKS IN A LOCATION THAT DOES NOT PROVIDE RUN-OFF THAT CAN ENTER THE STORM WATER SYSTEM. IF THE CONCRETE WASH-OUT AREA CAN NOT BE CONSTRUCTED GREATER THAN 50' FROM ANY DISCHARGE POINT, SECONDARY MEASURES SUCH AS BERMS OR TEMPORARY SETTLING PITS MAY BE REQUIRED. THE WASH-OUT SHALL BE LOCATED WITHIN SIX FEET OF TRUCK ACCESS AND BE CLEANED WHEN IT REACHES 50% OF THE CAPACITY.

12. SWEEPINGS FROM EXPOSED AGGREGATE CONCRETE SHALL NOT BE TRANSFERRED TO THE STORM WATER SYSTEM. SWEEPINGS SHALL BE PICKED UP AND DISPOSED IN THE TRASH.

13. AVOID PAVING IN WET WEATHER WHEN PAVING CHEMICALS CAN RUN-OFF INTO THE STORM WATER SYSTEM.

14. USE BMPs SUCH AS CHECK-DAMS, BERMS, AND INLET PROTECTION TO PREVENT RUN-OFF FROM REACHING DISCHARGE POINTS.

15. COVER CATCH BASINS, MANHOLES, AND OTHER DISCHARGE POINTS WHEN APPLYING SEAL COAT, TACK COAT, ETC. TO PREVENT INTRODUCING THESE MATERIALS TO THE STORM WATER SYSTEM.

REVISIONS:

UTILITY + STREET CONST.
GRADING + STABILIZATION
EROSION/SED CONTROL PLAN

ENGINEERING FIRM

PREPARED FOR:

DESIGNED BY:
DRAWN BY:
CHECKED BY:

DRAWING NO.:
SCALE:

AS NOTED

PROJECT NAME

WASHINGTON COUNTY
TAX LOTS

WASHINGTON COUNTY
TAX MAP

OREGON

JOB NUMBER
XXXX

SHEET
XXX-XXX

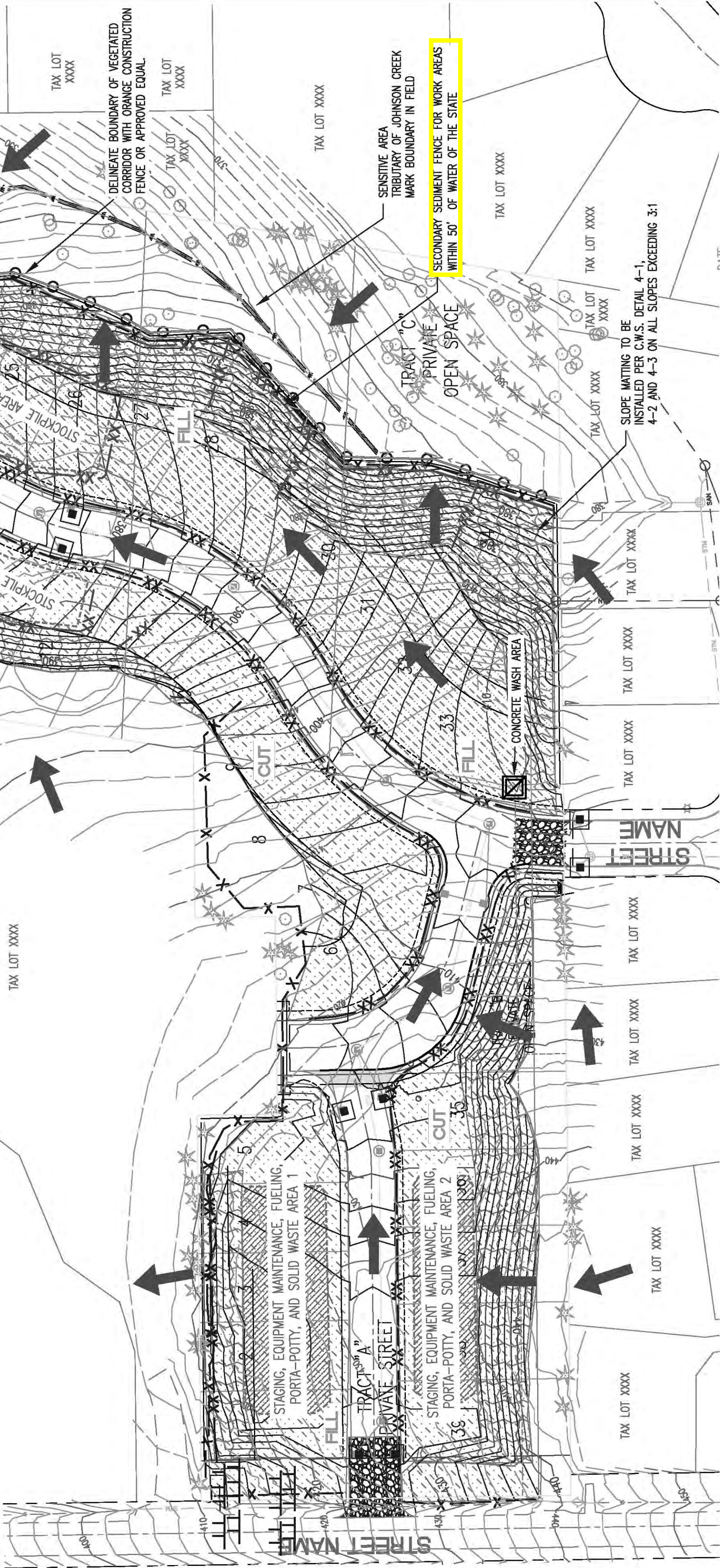


DATE:

EXPRESS: Month Day Year

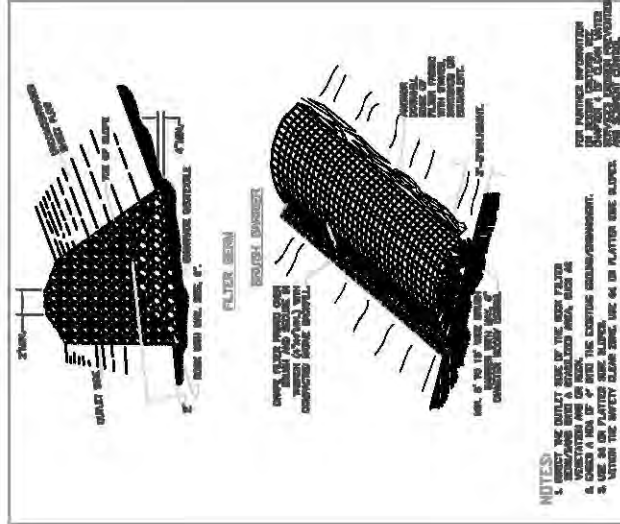
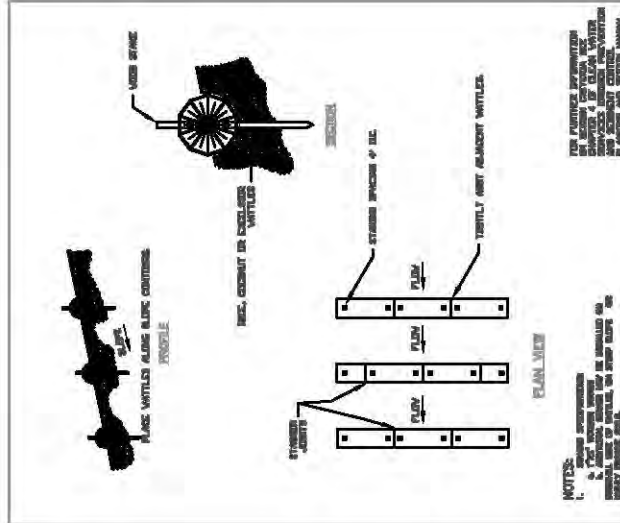
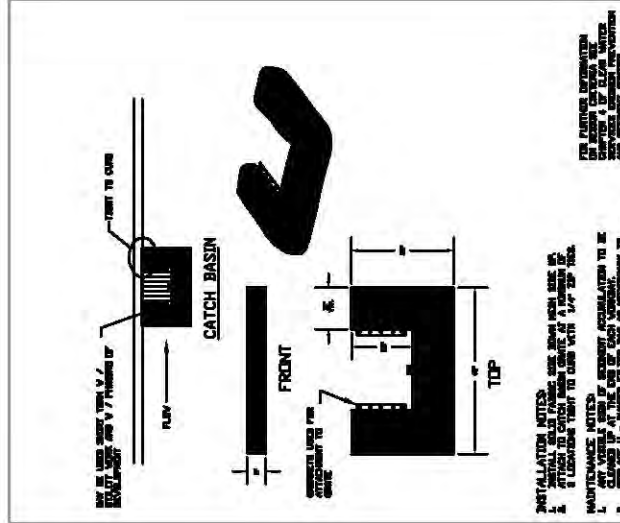
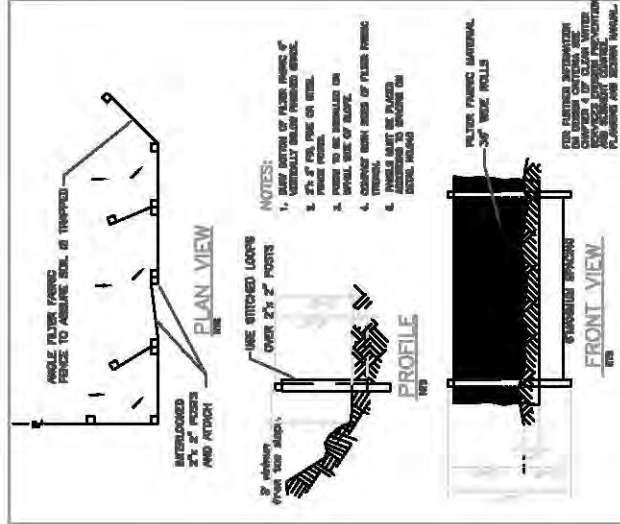
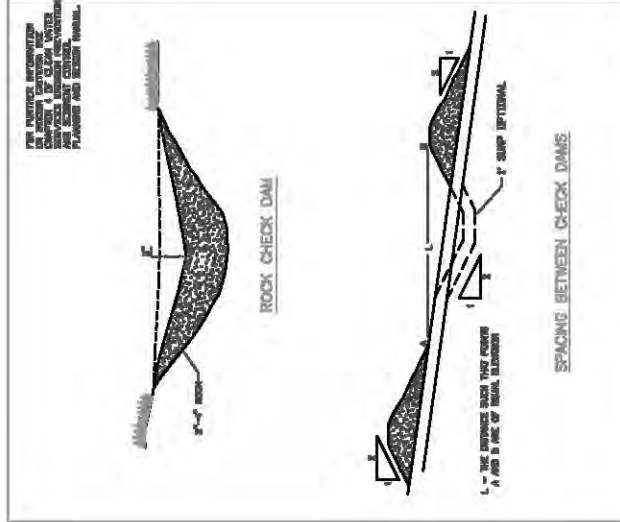
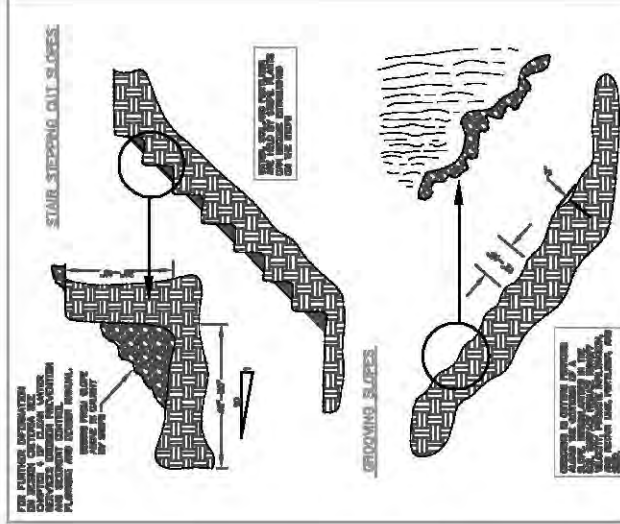
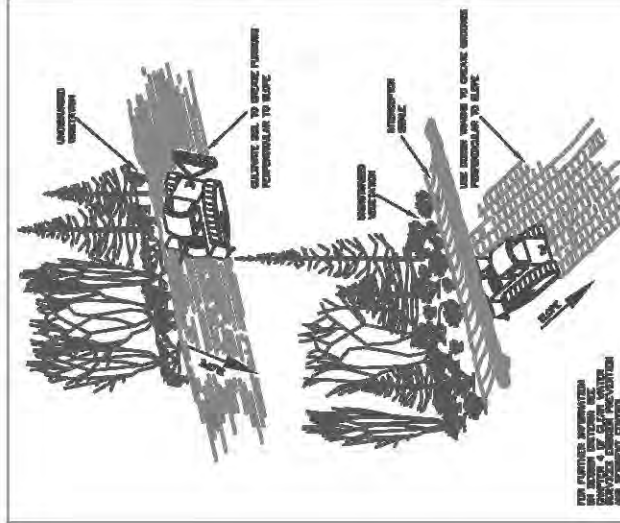
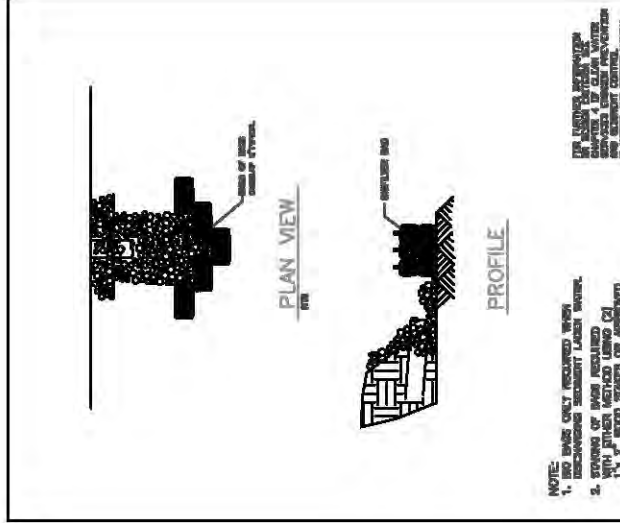
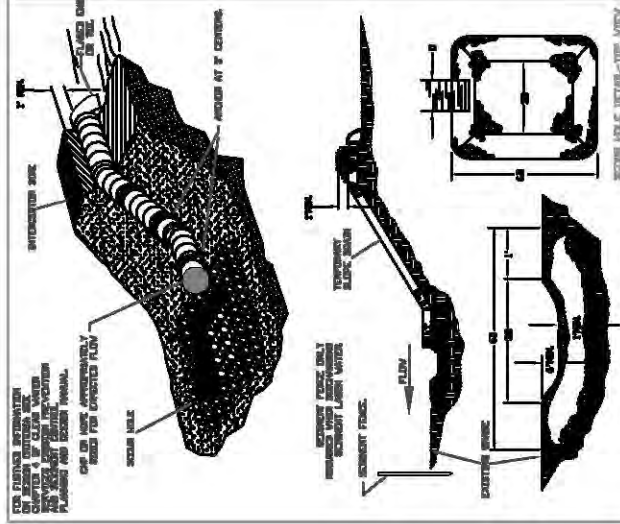
EROSION AND SEDIMENT CONTROL BMP IMPLEMENTATION:

1. ALL BASE ESC MEASURES (INLET PROTECTION, PERIMETER SEDIMENT CONTROL, GRAVEL CONSTRUCTION ENTRANCES, ETC.) MUST BE IN PLACE, FUNCTIONAL, AND APPROVED IN AN INITIAL INSPECTION, PRIOR TO COMMENCEMENT OF CONSTRUCTION ACTIVITIES.
2. "STOCK PILE AREA 1" SHALL BE MOVED TO "STOCK PILE AREA 2" FOLLOWING THE EXCAVATION CUT ACTIVITIES.
3. THE "STAGING, EQUIPMENT MAINTENANCE, FUELING, PORTA-POTTY, AND SOLID WASTE AREA 1" SHALL BE MOVED TO "STAGING, EQUIPMENT MAINTENANCE, FUELING, PORTA-POTTY, AND SOLID WASTE AREA 2" FOLLOWING EXCAVATION "CUT" ACTIVITIES.
4. ALL "SEDIMENT BARRIERS (TO BE INSTALLED AFTER GRADING)" SHALL BE INSTALLED IMMEDIATELY FOLLOWING ESTABLISHMENT OF FINISHED GRADE AS SHOWN ON THESE PLANS.
5. LONG TERM SLOPE STABILIZATION MEASURES "INCLUDING MATTING" SHALL BE IN PLACE OVER ALL EXPOSED SOILS BY OCTOBER 1.
6. THE STORM WATER FACILITY SHALL BE CONSTRUCTED AND LANDSCAPED PRIOR TO THE STORM WATER SYSTEM FUNCTIONING AND SITE PAVING.
7. INLET PROTECTION SHALL BE IN-PLACE IMMEDIATELY FOLLOWING PAVING ACTIVITIES.



STREET NAME

STREET NAME



EXAMPLE DETAILS SHOWN REPRESENT THOSE CHOSEN FOR THIS ESC TEMPLATE. USERS NEED TO CONSULT THE DEQ GUIDANCE MANUAL OR LOCAL AGENT'S ESCP MANUAL FOR A COMPREHENSIVE LIST OF AVAILABLE DETAILS.

REVISIONS:

EROSION AND SEDIMENT CONTROL DETAILS

ENGINEERING FIRM

DATE REC'D		PREPARED FOR:
BY		
CHECKED BY		
DATE		
AS NOTED		

PROJECT NAME	WASHINGTON COUNTY	OREGON
TAX LOTS	ESSENTIAL COUNTY TAX MAP	

	JOB NUMBER XXXX
	SHEET XXXX

