

EROSION CONTROL 1200-C SPECIFIC NOTES

1. 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))
2. 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)
3. 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)
4. 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))
5. SUBMISSION OF ALL ESCP REVISIONS IS NOT REQUIRED. SUBMITTAL OF THE ESCP REVISIONS IS ONLY UNDER SPECIFIC CONDITIONS. (SCHEDULE A.12.C)(3)
6. 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))
7. 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 PERMETER AREAS. (SCHEDULE A.8.C.(1)(E) + (2))
8. PRESERVE EXISTING VEGETATION AND RE-VEGETATE OPEN AREAS WHEN PRACTICABLE BEFORE AND AFTER GRADING OR CONSTRUCTION. (SCHEDULE A.7.B.(1)(1))
9. 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) AND A.8.C)
10. ESTABLISH CONCRETE TRUCK AND OTHER CONCRETE EQUIPMENT WASHOUT AREAS BEFORE BEGINNING CONCRETE WORK. (SCHEDULE A.8.C.(6))
11. 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.(2))
12. ESTABLISH MATERIAL AND WASTE STORAGE AREAS, AND OTHER NON-STORMWATER CONTROLS. (SCHEDULE A.8.C.(7))
13. PREVENT TRACKING OF SEDIMENT ONTO PUBLIC OR PRIVATE ROADS USING BMPs SUCH AS: GRAVELED (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.(1)(1) AND A.8.C.(4))
14. WHEN TRUCKING SATURATED SOILS FROM THE SITE, EITHER USE WATER-TIGHT TRUCKS OR DRAIN LOADS ON SITE. (SCHEDULE A.7.D.(1)(3))
15. 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 VEHICLES AND MACHINERY, AS WELL AS DEBRIS, LEFTOVER PAINTS, SOLVENTS, AND GLUES FROM CONSTRUCTION OPERATIONS. (SCHEDULE A.7.E.(1)(2))
16. WATER OR USE A SOIL-BINDING AGENT OR OTHER DUST CONTROL TECHNIQUE AS NEEDED TO AVOID WIND-BLOWN SOIL. (SCHEDULE A.7.B.(1))
17. 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.(1)) FERTILIZER SHALL BE 12-16-8 WITH 50% OF THE NITROGEN DERIVED FROM UREA FORMALDEHYDE, AND APPLIED AT A RATE 400 POUND PER ACRE.
18. 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 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.9.D)
19. 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)
20. CONSTRUCTION ACTIVITIES MUST AVOID OR MINIMIZE EXCAVATION AND CREATION OF BARE GROUND DURING WET WEATHER. (SCHEDULE A.7.A.(1))
21. SEDIMENT FENCES REMOVE TRAPPED SEDIMENT BEFORE IT REACHES ONE THIRD OF THE ABOVE GROUND FENCE HEIGHT AND BEFORE FENCE REMOVAL. (SCHEDULE A.9.C.(1))
22. 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.(1))
23. 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.(1) + (1))
24. 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.9.B.(1))
25. 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.(1))
26. 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.(1))
27. 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.(1))
28. THE DESIGNATED EROSION AND SEDIMENT CONTROL INSPECTOR MUST PERFORM DAILY INSPECTIONS OF THE BMPs AND DISCHARGE OUTFALLS WHEN RAINFALL AND RUNOFF OCCUR. RECORD THE INSPECTIONS AND OBSERVATIONS IN A LOG THAT IS ON SITE. (SCHEDULE B.1.B.(1))
29. ALL ESCP CONTROLS AND PRACTICES MUST BE INSPECTED VISUALLY ONCE A WEEK TO ENSURE THAT BMPs ARE IN WORKING ORDER PRIOR TO THE SITE BECOMING INACTIVE OR IN ANTICIPATION OF SITE INACCESSIBILITY AND MUST BE INSPECTED VISUALLY ONCE EVERY TWO (2) WEEKS DURING INACTIVE PERIODS GREATER THAN SEVEN (7) CONSECUTIVE CALENDAR DAYS. (SCHEDULE B.1.B.(2) + (3))
30. IF PRACTICAL, INSPECTIONS MUST OCCUR DAILY AT A RELEVANT AND ACCESSIBLE DISCHARGE POINT OR DOWNSTREAM LOCATION DURING PERIODS IN WHICH THE SITE IS INACCESSIBLE DUE TO INCLEMENT WEATHER. (SCHEDULE B.1.B.(4))
31. DO NOT REMOVE TEMPORARY SEDIMENT CONTROL PRACTICES UNTIL PERMANENT VEGETATION OR OTHER COVER OF EXPOSED AREAS IS ESTABLISHED. IDENTIFY THE TYPE OF VEGETATIVE SEED MIX USED. (SCHEDULE A.7.B.(1))
32. PROVIDE PERMANENT EROSION CONTROL MEASURES ON ALL EXPOSED AREAS. 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.8.C.(1))
33. RECOMMENDED SEED MIXTURE: 80% PR 5520 DWARF PERENNIAL RYEGRASS AND 20% CREEPING RED FESCUE, BY WEIGHT. APPLICATION RATE SHALL BE 100 POUNDS MINIMUM PER ACRE. SEED AND MULCH AT A RATE OF 2000 LBS/AC WITH HEAVY BONDING AGENT OR NAILING AND ANCHORS. MULCH SHALL BE A WOOD CELLULOSE FIBER OR OTHER MATERIAL SUITABLE FOR HYDRO MULCHING. TEMPORARY OR PERMANENT HYDRO SEEDING OR ACCEPTABLE SEEDING AND MULCHING MUST BE PROVIDED WHENEVER PERENNIAL COVER CANNOT BE ESTABLISHED ON SITES WHICH WILL BE EXPOSED FOR 60 DAYS OR MORE.

GENERAL EROSION CONTROL SEED MIX

THE FOLLOWING GRASS SEED MIX SHALL BE USED ON ALL DISTURBED AREAS:

- FLKA PERENNIAL RYEGRASS 50%
- ESSENCE PERENNIAL RYEGRASS 20%
- CINDY CREEPING RED FESCUE 20%
- COBRA CREEPING BENTGRASS 10%

SEEDING RATE: MINIMUM OF 5 LBS/1000 SQ. FT.

STANDARD NOTES FOR SEDIMENT FENCES

1. THE FILTER FABRIC SHALL BE PURCHASED IN A CONTINUOUS ROLL CUT TO THE LENGTH OF THE BARRIER TO AVOID USE OF JOINTS. WHEN JOINTS ARE NECESSARY, FILTER CLOTH SHALL BE SPLICED TOGETHER ONLY AT A SUPPORT POST, WITH A MINIMUM 6-INCH OVERLAP, AND BOTH ENDS SECURELY FASTENED TO THE POST, OR OVERLAP 2'X2' POSTS AND ATTACH AS SHOWN ON DETAIL.
2. SEDIMENT FENCES SHOULD BE INSTALLED A MINIMUM OF 3 FEET FROM TOE OF SLOPE IN ORDER TO MAXIMIZE STORAGE.
3. THE FILTER FABRIC FENCE SHALL BE INSTALLED TO FOLLOW THE CONTOURS. THE FENCE POSTS SHALL BE SPACED A MAXIMUM OF 6 FEET APART AND DRIVEN SECURELY INTO THE GROUND A MINIMUM OF 12 INCHES.
4. THE FILTER FABRIC SHALL HAVE A MINIMUM VERTICAL BURIAL OF 6 INCHES. ALL EXCAVATED MATERIAL FROM FILTER FABRIC FENCE INSTALLATION SHALL BE BACKFILLED AND COMPACTED ALONG THE ENTIRE DISTURBED AREA.
5. WHEN SEDIMENT FENCE APPROACHES ITS TERMINATION POINT, TURN FENCE UPHILL AND EXTEND ONE FULL PANEL (6 FT).
6. WHEN JOINING TWO OR MORE SEDIMENT FENCES TOGETHER, JOIN THE TWO END STAKES BY WRAPPING THE TWO ENDS AT LEAST ONE AND ONE HALF TURNS AND DRIVING THE JOINED STAKES INTO THE GROUND TOGETHER.
7. HEIGHT OF A SEDIMENT FENCE SHOULD NOT EXCEED 3 FEET. STORAGE HEIGHT AND PONDING HEIGHT SHOULD NEVER EXCEED 1.5 FEET
8. STANDARD HEAVY DUTY FILTER FABRIC FENCE SHALL HAVE MANUFACTURED STITCHED LOOPS FOR 2'X2' POST INSTALLATION. STITCHED LOOPS SHALL BE INSTALLED ON THE UP HILL SIDE OF THE LOOPED AREA.
9. FILTER FABRIC FENCE SHALL BE REMOVED WHEN THEY HAVE SERVED THEIR USEFUL PURPOSE, BUT NOT BEFORE THE UPSLOPE AREA HAS BEEN PERMANENTLY PROTECTED AND STABILIZED.
10. FILTER FABRIC FENCES SHALL BE INSPECTED BY APPLICANT/CONTRACTOR IMMEDIATELY AFTER EACH RAINFALL AND AT LEAST DAILY DURING PROLONGED RAINFALL. ANY REQUIRED REPAIRS SHALL BE MADE IMMEDIATELY.

BIOBAG CONSTRUCTION, INSPECTION & MAINTENANCE NOTES

1. BIO-FILTER BAGS SHOULD BE CLEAN 100 PERCENT RECYCLED WOOD PRODUCT WASTE. STANDARD SIZE 10X8X30 INCHES, WEIGHT APPROXIMATELY 45 POUNDS, WITH 1/2 INCH PLASTIC NETTING.
2. MAY BE LEFT IN PLACE OR USED AS MULCH ONCE THEY HAVE SERVED THEIR PURPOSE.
3. SURFACE AREA SHOULD BE SMOOTH.
4. USE (2) 1X2 INCH STAKES PER BAG, DRIVEN 12 INCHES INTO GROUND.
5. ENDS OF BAGS MUST BE OVERLAPPED 6 INCHES TO PREVENT PIPING BETWEEN JOINTS.

INSPECTION + MAINTENANCE

1. REQUIRES ROUTINE INSPECTION.
2. CHECK THAT STAKES ARE SECURE AND ENDS OF BAGS ARE TIGHTLY OVERLAPPED, CHECK THAT UNDERCUTTING OR END-FLOW IS NOT OCCURRING.
3. INSPECT PLASTIC MESH BAGS FOR TEARS.
4. REMOVE SEDIMENT WHEN 1/3 HEIGHT OF BAG HAS ACCUMULATED.
5. REPLACE DAMAGED BAGS AS NEEDED.

INLET PROTECTION CONSTRUCTION, INSPECTION & MAINTENANCE NOTES

1. BIO-FILTER BAGS SHOULD BE CLEAN 100 PERCENT RECYCLED WOOD PRODUCT WASTE. STANDARD SIZE 10X8X30 INCHES, WEIGHT APPROXIMATELY 45 POUNDS, WITH 1/2 INCH PLASTIC NETTING.
2. PLACE INLET PROTECTION IN AREAS WHERE WATER CAN POND, AND WHERE PONDING WILL NOT HAVE ADVERSE IMPACTS.
3. INLET PROTECTION MUST ALLOW FOR OVERFLOW IN A SEVERE STORM EVENT.
4. ADDITION MEASURES MUST BE CONSIDERED DEPENDING UPON SOIL TYPE.

INSPECTION + MAINTENANCE

1. INSPECT ONCE PER WEEK ON ACTIVE SITES, ONCE EVERY TWO WEEKS ON IN-ACTIVE SITES, AND WITHIN 24 HOURS FOLLOWING A .5 INCH RAIN EVENT.
2. CLEAN INLET PROTECTION DURING AND AFTER EACH SIGNIFICANT STORM AND REMOVE SEDIMENT FROM BEHIND STRUCTURE AFTER EVERY STORM.
3. IF THE FILTER FABRIC BECOMES CLOGGED WITH SEDIMENT, IT MUST BE CAREFULLY REMOVED FROM THE INLET AND EITHER CLEANED OR REPLACED.
4. ASSESS THE IMPACTS OF ALLOWING WATER TO POND AT THE INLET AND PROVIDE AN OVERFLOW WEIR OR SOME OTHER TYPE OF RELIEF AS NEEDED.
5. CONSIDER THE EFFECT OF PLACING OBSTRUCTIONS AT INLETS ON GRADE MAY HAVE ON THEIR EFFICIENCY.
6. USE MECHANICAL MEANS TO REMOVE SEDIMENT DEPOSITS (SHOVEL, BROOM, SWEEPER/VACTOR UNIT).
7. REMOVE SEDIMENT ACCUMULATED ON OR AROUND THE PROTECTION AS NEEDED TO MAINTAIN INTENDED FUNCTIONS.
8. REPAIR OR REPLACE MATERIALS AS NEEDED TO ENSURE PROPER FUNCTIONING.

CONSTRUCTION ENTRANCE GENERAL NOTES

1. INSTALL CONSTRUCTION ENTRANCE PRIOR TO ANY SITE WORK, WHENEVER POSSIBLE. CONSTRUCT THE PAD ON A FIRM, COMPACTED SUBGRADE.
2. INSTALL GEOTEXTILE UNDER ROCK WHEN SUBGRADE IS NOT STABLE OR IS "PUMPING" UP INTO THE PAD.
3. MINIMUM LENGTH, WIDTH, DEPTH AS SHOWN ON THE DRAWINGS.
4. MINIMUM ROCK SIZE TO BE 3'-6" CLEAN PIT RUN.
5. DO NOT INSTALL ROCK ON PAVED SURFACES. (USE WOOD CURB RAMPS.) WOOD CURB RAMPS SHOULD BE MADE OUT OF 2X6 MATERIAL, NAILED TOGETHER, INCLUDE A TIRE WASH FACILITY IF THE ENTRANCE DOES NOT PROVE EFFECTIVE IN RETAINING SEDIMENT ONSITE.
6. REQUIRES ONGOING INSPECTION.
7. IMMEDIATELY SWEEP UP AND REMOVE OR STABILIZE ONSITE ANY SEDIMENT THAT IS TRACKED ONTO PAVEMENT.
8. IF THE SEDIMENT POSES A THREAT TO PUBLIC SAFETY AND STREET SWEEPING PROVES INEFFECTIVE, CONSIDER WASHING THE STREET AND COLLECTING THE WATER IN A SEDIMENT POND OR SLUMP BEFORE IT LEAVES THE SITE.
9. ADD OR REPLACE ROCK AS NEEDED TO MAINTAIN THE SPECIFIED DIMENSIONS. IMMEDIATELY REMOVE ANY ROCK, WHICH GETS CARRIED FROM THE PAD TO THE ROADWAY.

GENERAL EROSION CONTROL SEQUENCING

1. INSTALL STABILIZED CONSTRUCTION ENTRANCES
2. INSTALL PERIMETER SEDIMENT CONTROL FENCE
3. INSTALL SENSITIVE AREAS CONSTRUCTION FENCING
4. INSTALL TREE PROTECTION FENCING
5. INSTALL INLET PROTECTION AROUND EXISTING CATCH BASINS
6. CLEARING AND GRUBBING
7. MASS EXCAVATION AND EMBANKMENT
8. HYDROSEED ALL EXPOSED AREAS THAT WILL NOT BE FURTHER DISTURBED.
9. EXCAVATE CONCRETE CHUTE WASH OUT PIT
10. INSTALL WATER/SEWER/STORM DRAINAGE UTILITIES
12. INSTALL FRANCHISE UTILITIES AND LIGHT POLES AND STRAW MULCH ALL DISTURBED AREAS
13. CONSTRUCT STREET BASE ROCK, CURBS AND PAVING
14. INSTALL FINAL IRRIGATION (IF REQUIRED), LANDSCAPING AND SITE STABILIZATION
15. INSTALL SLOPE STABILIZATION MATTING IF HYDROSEEDING HAS NOT BEEN ESTABLISHED BY OCT. 15TH.

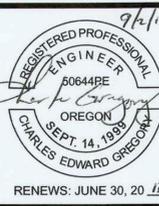
GRADING/EROSION CONTROL GENERAL NOTES

1. SEE THE 1200-C EROSION CONTROL PERMIT FOR ADDITIONAL EROSION CONTROL REQUIREMENTS, BESIDES THE STRUCTURAL FILL THAT WILL BE REQUIRED FOR CONSTRUCTION OF STREET IMPROVEMENTS. A STRUCTURAL FILL IS ALSO TO BE BUILT ON LOTS WHERE NOTED ON THE PLANS TO THE SPECIFICATIONS NOTED BELOW, UNLESS MODIFIED BY THE GEOTECHNICAL ENGINEER.
2. ALL GRADING SHALL BE DONE UNDER THE SUPERVISION OF A REGISTERED SOILS ENGINEER, WHO SHALL CERTIFY THAT ALL FILL HAS BEEN PROPERLY PLACED, AND WHO SHALL SUBMIT A FINAL COMPACTION REPORT FOR ALL FILLS OVER 1 FOOT DEEP. EXCAVATING, GRADING + COMPACTION SHALL COMPLY WITH THE INTERNATIONAL BUILDING CODE, THE PROJECT SPECIFICATIONS AND THE PROJECT GEOTECHNICAL ENGINEER'S RECOMMENDATIONS CONTAINED WITHIN THE SOILS REPORT. INSPECTIONS BY THE GEOTECHNICAL ENGINEER WILL BE REQUIRED AFTER STRIPPING OF TOPSOIL AND PRIOR TO FILL PLACEMENT, AFTER EACH LIFT COMPLETED AND AFTER ALL FILL IS COMPLETED. CONTRACTOR IS RESPONSIBLE FOR COORDINATING INSPECTIONS BY THE GEOTECHNICAL ENGINEER.
3. ALL GROUND EXPOSED DURING GRADING SHALL BE PLANTED WITH GRASS OR GROUND COVER TO PROTECT THE SLOPE FROM EROSION AND INSTABILITY PRIOR TO THE APPROVAL OF FINAL INSPECTION.
4. NO FILL SHALL BE PLACED ON EXISTING GROUND UNTIL THE GROUND HAS BEEN CLEARED OF WEEDS, DEBRIS, TOPSOIL, AND OTHER DELETERIOUS MATERIAL AND CERTIFIED BY A REGISTERED SOILS ENGINEER.
5. IF STEEP SLOPING TERRAIN OCCURS UPON WHICH FILL IS TO BE PLACED, IT MUST BE CLEARED, KEYED, AND BENCHED INTO FIRM NATURAL SOIL FOR FULL SUPPORT. PREPARATION SHALL BE APPROVED BY A REGISTERED SOILS ENGINEER PRIOR TO PLACEMENT OF FILL MATERIAL.
6. DURING ROUGH GRADING OPERATIONS AND PRIOR TO CONSTRUCTION OF PERMANENT DRAINAGE STRUCTURES, TEMPORARY DRAINAGE CONTROL SHALL BE PROVIDED TO PREVENT PONDING WATER, CONTROL RUNOFF CONTAMINATION AND DAMAGE TO ADJACENT PROPERTY.
7. DUST SHALL BE CONTROLLED BY WATERING OR OTHER APPROVED METHODS.
8. ALL EXISTING DRAINAGE COURSES ON THE PROJECT SITE MUST CONTINUE TO FUNCTION ESPECIALLY DURING STORM CONDITIONS. PROTECTIVE MEASURES AND TEMPORARY DRAINAGE PROVISIONS MUST BE USED TO PROTECT ADJOINING PROPERTIES DURING GRADING OPERATIONS.
9. STABILITY CALCULATIONS WITH A SAFETY FACTOR OF AT LEAST 1.5 SHALL BE SUBMITTED BY A REGISTERED SOILS ENGINEER TO THE CITY OR COUNTY FOR CUT AND FILL SLOPES OVER 30 FEET IN VERTICAL HEIGHT.
10. ALL MATERIAL IMPORTED OR EXCAVATED ON THE PROJECT SITE TO BE UTILIZED IN THE FILL SHALL BE ASSESSED FOR SUITABILITY BY A REGISTERED SOILS ENGINEER.
11. MATERIAL USED IN THE COMPACTING PROCESS SHOULD BE EVENLY SPREAD, WATERED OR DRIED, PROCESSED AND COMPACTED IN THIN LIFTS NOT TO EXCEED SIX INCHES IN THICKNESS TO OBTAIN A UNIFORM DENSE LAYER. THE FILL SHOULD BE PLACED AND COMPACTED ON A HORIZONTAL PLANE, UNLESS OTHERWISE APPROVED BY THE ENGINEER. FILL MATERIAL SHOULD BE PLACED IN HORIZONTAL LIFTS APPROXIMATELY EIGHT (8) INCHES THICK (CLOSED) AND COMPACTED TO AT LEAST 90% OF THE MAXIMUM DRY DENSITY, AS DETERMINED PER 501.03.04 CONSTRUCTION STANDARDS, UNLESS MODIFIED BY THE GEOTECHNICAL ENGINEER. MOISTURE CONTENT OF THE STRUCTURAL FILL SHALL BE CONTROLLED TO WITHIN 2% OF THE OPTIMUM MOISTURE CONTENT AT THE TIME OF COMPACTION.
12. AN APPROVED GRADING AND EROSION CONTROL PLAN SHALL BE ON THE JOB SITE AT ALL TIMES. DEVIATIONS FROM THE PLAN MUST BE PRECEDED BY AN APPROVED PLAN REVISION.
13. GRADING AND DRAINAGE PLAN APPROVAL INCLUDES THE CONSTRUCTION OF ALL SURFACE IMPROVEMENTS SHOWN ON THE APPROVED PLAN, INCLUDING, BUT NOT LIMITED TO RETENTION AREAS, SEDIMENTATION BASINS AND/OR OTHER DRAINAGE FACILITIES, DRAINAGE PATTERNS, WALLS, CURBS, ASPHALT PAVEMENT, SIDEWALKS ETC.
14. SEPARATE PERMIT/APPROVAL IS REQUIRED FOR RETAINING WALL CONSTRUCTION OVER 4 FEET IN HEIGHT FROM BOTTOM OF FOOTING TO TOP OF WALL OR FOR WALLS WITH SLOPING BACKFILLS.
15. ALL DRAINAGE PROTECTIVE DEVICES SUCH AS SWALES, INTERCEPTOR DITCHES, PIPES, PROTECTIVE BERMS, CONCRETE CHANNELS OR OTHER MEASURES DESIGNED TO PROTECT ADJACENT BUILDINGS OR PROPERTY FROM STORM RUNOFF MUST BE COMPLETED PRIOR TO BUILDING CONSTRUCTION.
16. THE CONTRACTOR SHALL PROVIDE ADEQUATE MEANS FOR CLEANING TRUCKS AND/OR OTHER EQUIPMENT OF MUD PRIOR TO ENTERING PUBLIC STREETS, AND IT IS THE CONTRACTOR'S RESPONSIBILITY TO CLEAN STREETS AND TAKE WHATEVER MEASURES ARE NECESSARY TO BE SURE THAT ALL ROADS ARE MAINTAINED IN A CLEAN (MUD AND DUST FREE) CONDITION AT ALL TIMES.
17. INSTALL TREE PROTECTION FENCING AND EROSION PRIOR TO COMMENCEMENT OF SITE DISTURBANCE.
18. OWNER OR DESIGNATED PERSON SHALL BE RESPONSIBLE FOR PROPER INSTALLATION AND MAINTENANCE OF ALL EROSION AND SEDIMENT CONTROL MEASURES, IN ACCORDANCE WITH LOCAL, STATE, AND FEDERAL REGULATIONS.
19. PRIOR TO ANY LAND DISTURBING ACTIVITIES, THE BOUNDARIES OF THE CLEARING LIMITS, VEGETATED BUFFERS, AND ANY SENSITIVE AREAS SHOWN ON THIS PLAN SHALL BE CLEARLY DELINEATED IN THE FIELD. DURING THE CONSTRUCTION PERIOD NO DISTURBANCE IS PERMITTED BEYOND THE CLEARING LIMITS. THE OWNER/PERMITEE MUST MAINTAIN THE DELINEATION FOR THE DURATION OF THE PROJECT. NOTE: VEGETATED CORRIDORS TO BE DELINEATED WITH ORANGE CONSTRUCTION FENCE OR APPROVED EQUAL.
20. PRIOR TO ANY LAND DISTURBING ACTIVITIES, THE BMPs THAT MUST BE INSTALLED ARE A GRAVEL CONSTRUCTION ENTRANCE, PERIMETER SEDIMENT CONTROL, AND INLET PROTECTION. THESE BMPs MUST BE MAINTAINED FOR THE DURATION OF THE PROJECT.
21. IF VEGETATIVE SEED MIXES ARE SPECIFIED, SEEDING MUST TAKE PLACE NO LATER THAN SEPTEMBER 15TH THE TYPE AND PERCENTAGES OF SEED IN THE MIX ARE IDENTIFIED ON THE PLANS.
22. ALL PUMPING OF SEDIMENT LADEN WATER SHALL BE DISCHARGED OVER AN UNDISTURBED, PREFERABLY VEGETATED AREA, AND THROUGH A SEDIMENT CONTROL BMP (ie. FILTER BAG).
23. THE ESC PLAN MUST BE KEPT ON SITE. ALL MEASURES SHOWN ON THE PLAN MUST BE INSTALLED PROPERLY TO ENSURE THAT SEDIMENT OR SEDIMENT LADEN WATER DOES NOT ENTER A SURFACE WATER SYSTEM, ROADWAY, OR OTHER PROPERTIES.
24. THE ESC MEASURES SHOWN ON THIS PLAN ARE MINIMUM REQUIREMENTS FOR ANTICIPATED SITE CONDITIONS. DURING THE CONSTRUCTION PERIOD, THESE MEASURES SHALL BE UPGRADED AS NEEDED TO COMPLY WITH ALL APPLICABLE LOCAL, STATE, AND FEDERAL EROSION CONTROL REGULATIONS. CHANGES TO THE APPROVED ESC PLAN MUST BE SUBMITTED IN THE FORM OF AN ACTION PLAN TO DEQ PER THE 1200 C PERMIT.
25. IN AREAS SUBJECT TO WIND EROSION, APPROPRIATE BMPs MUST BE USED WHICH MAY INCLUDE THE APPLICATION OF WATER SPRAYING, PLASTIC SHEETING, MULCHING, OR OTHER APPROVED MEASURES.
26. ALL EXPOSED SOILS MUST BE COVERED DURING THE WET WEATHER PERIOD OCT. 15TH - MAY 31ST.
27. ALL AREAS DISTURBED DURING CONSTRUCTION TO BE GRADED TO DRAIN AND COMPACTED TO A MINIMUM OF 90% OF ASHSTO T-99 IMMEDIATELY AFTER INSTALLATION OF UTILITIES OR GRADING.

APPROVED FOR CONSTRUCTION BY
CITY OF WEST LINN
This approval is only for general conformance with the design concept and general compliance with applicable codes and requirements and shall not be construed as relieving the Design Engineer of full responsibility for accuracy and completeness of the drawings. This plan review approval does not prevent the City from requiring further code compliance.
DATE: 8/5/11 BY: [Signature] ENGINEERING PLANNING



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RENEWS: JUNE 30, 20 12



Teresa's Vineyard
Public Improvements
Sub-07-02/NDW-07-02/VAR-07-01
West Linn, Oregon

REV	DATE	SUMMARY
1	8/5/11	Client/Agency Comments

Project #: 9130 Drawn: CEG

EROSION AND SEDIMENT CONTROL NOTES

Date: April 15, 2011

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