1. UNDERGROUND UTILITIES:

2. GENERAL REQUIREMENTS:

3. ELEVATIONS, INVERT ELEVATIONS, CATCH BASIN LOCATIONS, AND AT CROSSING LOCATIONS WITH EXISTING UTILITIES IDENTIFIED DURING CONSTRUCTION ACTIVITIES. THE SUB-CONTRACTOR SHALL BE RESPONSIBLE FOR MAINTAINING ALL EROSION CONTROL MEASURES.


5. THE SUB-CONTRACTOR SHALL SUBMIT GRADATION AND DEGRADATION TEST RESULTS TO THE ENGINEER FOR APPROVAL PRIOR TO IMPORTING ANY CRUSHED ROCK MATERIAL, THE SUB-CONTRACTOR SHALL SUBMIT GRADATION AND DEGRADATION TEST RESULTS TO THE ENGINEER FOR APPROVAL PRIOR TO IMPORTING ANY CRUSHED ROCK MATERIAL.

6. NO ASPHALT PAVING OR ROLLING/COMPACTION IS ALLOWED AFTER DARK. ALL ROLLING SHALL BE COMPLETED BY SUNSET.

7. A TACK COAT OF ASPHALT SHALL BE APPLIED BETWEEN ALL COURSES OF ASPHALT.

8. THE SUB-CONTRACTOR SHALL STOCKPILE CLEAN, NATIVE TOPSOIL MATERIAL FREE OF SOD AND DEBRIS LARGER THAN TWO INCHES IN ANY DIRECTION, THE SUB-CONTRACTOR SHALL STOCKPILE CLEAN, NATIVE TOPSOIL MATERIAL FREE OF SOD AND DEBRIS LARGER THAN TWO INCHES IN ANY DIRECTION.


10. THE SUB-CONTRACTOR SHALL SUBMIT A COPY OF THESE APPROVED PLANS TO THE PUBLIC WORKS ENGINEER FOR REVIEW AND APPROVAL PRIOR TO CONSTRUCTION OF THE ASPHALT SECTION. WITHIN THE ASPHALT AREA, ANY PORTION OF THE EXCAVATED MATERIAL, THE SUB-CONTRACTOR SHALL SUBMIT GRADATION AND DEGRADATION TEST RESULTS TO THE ENGINEER FOR APPROVAL. GRADATION RESULTS OF THE SOIL SHALL BE SUBMITTED TO THE ENGINEER FOR APPROVAL PRIOR TO IMPORTING ANY CRUSHED ROCK MATERIAL.


12. SITE CLEANUP SHALL BE PERFORMED FOR PROPER EROSION CONTROL, SITE CLEANUP SHALL BE PERFORMED FOR PROPER EROSION CONTROL.

13. SITE CLEANUP SHALL BE PERFORMED FOR PROPER EROSION CONTROL, SITE CLEANUP SHALL BE PERFORMED FOR PROPER EROSION CONTROL.


BMP C200: INTERCEPTOR DIKE AND SWALE
- CAPTURE OFFSITE SURFACE RUNOFF.
ROUTE IT AROUND THE SITE, AND DIRECT TO
THE EXST. STORM PIPE ON NEVADA STREET.
INSTALL THIS INTERCEPTOR DITCH PRIOR TO
CLEARING THE PROJECT SITE.

BMP C105: STABILIZED
CONSTRUCTION ACCESS

ADD BYPASS PIPE TO
REPLACE DITCH OR BMP
-C235: STRAW WATTLES
IN DITCH FOR EROSION
PROTECTION MEASURES
TO CONTROL TURBIDITY
IN OFFSITE DITCH

BMP C107: CONSTRUCTION ROAD
- IF REQUIRED, A GRAVELED ROUTE CAN
BE INSTALLED TO REDUCE EROSION
CAUSED BY CONSTRUCTION TRAFFIC AND
STORMWATER RUNOFF.

BMP C200: INTERCEPTOR DIKE AND SWALE
- IF REQUIRED, INTERMEDIATE INTERCEPTOR
SWALES CAN BE INSTALLED TO HELP
MINIMIZE PROJECT SITE SURFACE RUNOFF.

BMP C241: TEMPORARY
SEDIMENT POND OR OTHER
TURBIDITY CONTROL BMP (IF
REQUIRED) TO BE CONVERTED
TO BIRETENTION AREA AFTER
SITE HAS BEEN STABILIZED

INSTALL CATCH BASKET INSERT, TYPICAL

INSTALL CATCH BASKET INSERT, TYPICAL

BMP C200: INTERCEPTOR DIKE AND SWALE
- CAPTURE ANY SITE SURFACE BEFORE IT
HEADS OFFSITE

NEVADA STREET

SOIL STOCKPILE AREA
BASED ON SITE CONDITIONS AND TIME
OF YEAR THE AREA CAN BE COVERED
WITH BMP C123: PLASTIC COVERING
OR UTILIZING BMP C200 INTERCEPTOR
DIKE AND DITCH AROUND ITS
PERIMETER WITH A GRAVEL OUTLET,

INSTALL TRIANGULAR SILT
DIKES AT 50' SPACING

INSTALL SILT FENCE

INSTALL SILT FENCE

INSTALL SILT FENCE
ALL AREAS SUBJECT TO CLEARING AND GRADING THAT HAVE NOT BEEN COVERED BY IMPERVIOUS SURFACE, INCORPORATED INTO A DRAINAGE FACILITY OR ENGINEERED AS STRUCTURAL, ALL OR IN PART, SHALL, AT PROJECT COMPLETION, DEMONSTRATE THE FOLLOWING:

SOIL QUALITY

1. ALL SOIL SHALL HAVE A MINIMUM ORGANIC MATTER CONTENT OF 10% DRY WEIGHT IN PLANTING BEDS, AND 5% ORGANIC MATTER CONTENT IN TURF AREAS. AMENDMENTS TO INCREASE ORGANIC CONTENT MAY COMPRISE COMPOST OR OTHER MATERIALS THAT MEET THE COMPOST GUIDELINES.

2. SOIL DEPTH

- TOPSOIL LAYER SHALL HAVE A MINIMUM DEPTH OF EIGHT INCHES EXCEPT WHERE TREE ROOTS LIMIT THE DEPTH OF INCORPORATION OF AMENDMENTS NECESSARY TO MEET THE CRITERIA. SUBSOILS BELOW THE TOPSOIL LAYER SHOULD BE SCARIFIED AT LEAST 4 INCHES. PLANTING BEDS SHOULD HAVE 2 INCHES OF ORGANIC MATERIAL AS WELL.

COMPOST GUIDELINES

1. COMPOST MATERIALS MUST MEET THE DEFINITION OF "COMPOST MATERIAL" IN WAC 173-350-100 AND COMPLIES WITH TESTING PARAMETERS AND OTHER STANDARDS IN WAC 173-350-220. MUST BE PRODUCED AT A PERMITTED COMPOSTING FACILITY.

2. ORGANIC MATTER CONTENT SHALL BE 40% TO 65%. CARBON TO NITROGEN RATIO LESS THAN UP TO 35:1 FOR PLANTINGS COMPOSED ENTIRELY OF PUGET SOUNDS LOWLAND NATIVE SPECIES AND UP TO 40:1 FOR COARSE COMPOST TO BE USED AS A SURFACE MULCH (NOT IN A SOIL MIX).

IMPLEMENTATION OPTIONS:

1. LEAVE UNDISTURBED NATIVE VEGETATION AND SOIL, AND PROTECT FROM COMPACTION DURING CONSTRUCTION.

2. AMEND EXISTING SITE TOPSOIL OR SUBSOIL AT DEFAULT "PRE-APPROVED" RATES, OR AT CUSTOM CALCULATED RATES BASED ON TESTS OF THE SOIL AND AMENDMENT. STICKYPLAST EXISTING TOPSOIL, DURING STORING, AND REPLACE IT PRIOR TO PLANTING. STICKYPLAST TOPSOIL MUST ALSO BE AMENDED IF NEEDED TO MEET THE ORGANIC MATTER REQUIREMENTS.

3. STOCKPILE EXISTING TOPSOIL DURING GRADING, AND REPLACE IT PRIOR TO PLANTING. STOCKPILED TOPSOIL MUST ALSO BE AMENDED IF NEEDED TO MEET THE ORGANIC MATTER REQUIREMENTS.

4. IMPORT TOPSOIL MIX OF SUFFICIENT ORGANIC CONTENT AND DEPTH TO MEET THE REQUIREMENTS.

MORE THAN ONE METHOD MAY BE USED ON DIFFERENT PORTIONS OF THE SAME SITE. SOIL THAT ALREADY MEETS THE DEPTH AND ORGANIC MATTER QUALITY STANDARDS, AND IS NOT COMPACTED, DOES NOT NEED TO BE AMENDED.
STORMWATER POLLUTION PREVENTION PLAN (SWPPP):
IS RESPONSIBLE TO PROTECT THE RECEIVING WATERS FROM END OF EACH DAY. SEDIMENT SHALL BE REMOVED FROM ROADS BY DOCUMENTS AND ANY ADDITIONAL MEASURES THAT MAY BE REQUIRED BY DRAIN TO WETLANDS AND/OR STATE WATERS AND THAT THE CONTRACTOR DISCHARGE ELIMINATION SYSTEM (NPDES) PERMIT FOR CONSTRUCTION BMP C103: HIGH VISIBILITY PLASTIC OR METAL FENCE (A) THE DUFF LAYER, NATIVE TOPSOIL, AND NATURAL VEGETATION SHALL PROPERTIES AND WATERWAYS DOWNSTREAM FROM DEVELOPMENT. (B) ACCESS POINTS SHALL BE STABILIZED WITH QUARRY SPALL OR GRADES.

SHALL BE FUNCTIONAL BEFORE OTHER LAND-DISTURBING ACTIVITIES TAKE place. THE FOLLOWING DESCRIBES HOW THE CONSTRUCTION SWPPP ADDRESSES THIS STORMWATER POLLUTION PREVENTION PLAN IS PROVIDED IN ELEMENT #7: PROTECT DRAIN INLETS

BMP C207: CHECK DAMS

SUGGESTED BMPs/BMPs TO BE USED: CLEARING LIMITS. THE FOLLOWING DESCRIBES HOW THE CONTRACTOR PLANNED AND MAINTAINED THE CONSTRUCTION SWPPP. THE CONTRACTOR MUST SAMPLE ALL DISCHARGE LOCATIONS ASSOCIATED WITH CONSTRUCTION ACTIVITY IS DISCHARGED UNDER LID FACILITIES THAT HAVE BEEN EXCAVATED TO FINAL GRADE TO PROTECT COMPLETED LAWN AND LANDSCAPED AREAS FROM COMPACTION BY CONSTRUCTION EQUIPMENT AND FOOT TRAFFIC. WHEN PREPARING THE CONSTRUCTION SWPPP, THE CONTRACTOR MUST SAMPLING THE RESULTS OF EACH INSPECTION REPORT ON-CHECKOUT AND ENTER THE REPORTING STORMWATER ID Into THE CONTRACTOR'S STORMWATER DATABASE. THE CONTRACTOR MUST KEEP A RECORD OF ALL INSPECTIONS AND RECORDS KEEPING SYSTEMS FOR REQUIRED REPORTING PERIODS. BMP C110: TRENCH BANKS WILL BE PLACED INTO THE TRENCH BANKS AND COVERED WITH DIRT OR PLANT MATERIAL. IF A TRENCH BANK BECOMES EXPOSED, IT SHALL BE COVERED WITH DIRT OR PLANT MATERIAL. IF A TRENCH BANK BECOMES EXPOSED, IT SHALL BE COVERED WITH DIRT OR PLANT MATERIAL. IF A TRENCH BANK BECOMES EXPOSED, IT SHALL BE COVERED WITH DIRT OR PLANT MATERIAL. IF A TRENCH BANK BECOMES EXPOSED, IT SHALL BE COVERED WITH DIRT OR PLANT MATERIAL. IF A TRENCH BANK BECOMES EXPOSED, IT SHALL BE COVERED WITH DIRT OR PLANT MATERIAL. IF A TRENCH BANK BECOMES EXPOSED, IT SHALL BE COVERED WITH DIRT OR PLANT MATERIAL. IF A TRENCH BANK BECOMES EXPOSED, IT SHALL BE COVERED WITH DIRT OR PLANT MATERIAL.
ROAD SECTION WITH PARKING

- 12' DRIVE LANE
- 12' DRIVE LANE
- 10' PARKING
- 10' PARKING
- SIDEWALK
- 8" GRAVEL
- 2" CRUSHED SURFACING TOP COURSE
- 2.5" CLASS 1/2" HMA
- 6" OF 5/8" WASHED ROCK
- 4" C.P.P.
- Curb and Gutter: VARIES
- Curb and Gutter: VARIES

WSDOT SPEC 9-03.9(3)
WSDOT SPEC 9-03.14(1)