1. ALL MATERIAL GENERATED FROM VAULT EXCAVATIONS OR TRENCHING SHALL BE Hauled AWAY IMMEDIATELY OR STOCKPILED ON THE UPHILL SIDE OF EXCAVATIONS OR TRENCHES. PERIMETER CONTROL REQUIREMENTS PERTAIN TO ALL STOCKPILES, NOT JUST TO BORE PITS, THAT ARE NOT IMMERSED. RESTORATION OF LANDSCAPE OR ACCEPTABLE VEGETATION LEVELS HAVE BEEN RESTORED AFTER CONSTRUCTION OPERATIONS.

2. DIMENSIONS SHOWN AND ARRANGEMENT OF SITE ARE APPROXIMATE AND MAY BE VARIED BASED ON WORK REQUIREMENTS AND/OR SITE CHARACTERISTICS.

3. PERIMETER CONTROL BMP'S (AS REQUIRED IN DETAILS) MUST BE INSTALLED AND FUNCTIONAL BEFORE ANY EARTH DISTURBANCE ACTIVITIES BEGIN. BMP'S SHALL BE PLACED ALONG THE DOWNSLOPE SIDE OF SITE AND SHALL BE TIGHTLY ATTACHED. NO GAP'S OR HOLE'S SHALL BE OVERLAPPED. BMP'S SHALL REMAIN IN PLACE UNTIL FULL RESTORATION OF LANDSCAPE OR ACCEPTABLE VEGETATION LEVELS HAVE BEEN RESTORED.

4. SEDIMENT CONTROL LOG'S (SCL) SHALL NOT BE USED IN PAVED OR IMPERVIOUS AREAS. MATERIAL GENERATED FROM VAULT EXCAVATIONS OR TRENCHING SHALL BE Hauled AWAY IMMEDIATELY OR STOCKPILED ON THE UPHILL SIDE OF EXCAVATIONS OR TRENCHES. PERIMETER CONTROL REQUIREMENTS PERTAIN TO ALL STOCKPILES, NOT JUST TO BORE PITS, THAT ARE NOT IMMERSED. RESTORATION OF LANDSCAPE OR ACCEPTABLE VEGETATION LEVELS HAVE BEEN RESTORED AFTER CONSTRUCTION OPERATIONS.

5. BORING AND UTILITY TRENCHING OPERATIONS ASSOCIATED WITH DRY UTILITY INSTALLATION MAY REQUIRE ADDITIONAL GESC MEASURES NOT SHOWN.

6. THE CLEANING OF CONCRETE DELIVERY TRUCK CHUTES IS RESTRICTED TO APPROVED CONCRETE WASHERS AT LOCATIONS ON THE JOB SITE. THE DISCHARGE OF WATER CONTAINING CONCRETE TO THE STORM SEWER SYSTEM IS PROHIBITED. ALL CONCRETE WASTE SHALL BE PROPERLY CLEANED AND DISPOSED AT AN APPROPRIATE LOCATION. CONCRETE WASTE SHALL NOT BE PLACED IN THE Curb, GUTTER, OR FLOWLINE.

7. THE USE OF HOSES AND WATER TO FLUSH OR WASH ANY MATERIAL INTO A STORM SEWER IS PROHIBITED. THE MATERIAL MUST BE RECOVERED USING DRY RECOVERY METHODS. THE USE OF HOSES AND WATER TO FLUSH OR WASH ANY MATERIAL INTO A STORM SEWER IS PROHIBITED.

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12. ADDITIONAL BMP'S SHALL BE INSTALLED AS NEEDED OR AS REQUIRED BY THE SEMSWA GESC INSPECTOR. THE USE OF ALTERNATIVE BMP'S MUST BE COORDINATED AND APPROVED BY THE SEMSWA GESC INSPECTOR PRIOR TO INSTALLATION. THE CONTRACTOR ASSUMES ALL LIABILITY IF THERE IS AN ALTERNATIVE BMP FAILURE (INCLUDING COMPLIANCE ENFORCEMENT). A SELECTION OF THE SEMSWA GESC STANDARD NOTES AND DETAILS HAVE BEEN INCLUDED IN THIS PLAN. THE FULL SET OF NOTES AND DETAILS CAN BE FOUND ON THE SEMSWA WEBSITE, WWW.SEMSWA.ORG.

13. THE USE OF HOSES AND WATER TO FLUSH OR WASH ANY MATERIAL INTO A STORM SEWER IS PROHIBITED. THE MATERIAL MUST BE RECOVERED USING DRY RECOVERY METHODS. THE USE OF HOSES AND WATER TO FLUSH OR WASH ANY MATERIAL INTO A STORM SEWER IS PROHIBITED.

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CONCRETE WASHOUT AREA NOTES:
1. At the end of construction, all concrete shall be removed from the site and disposed of at an approved waste site.
2. When the concrete washout area is removed, the disturbed area shall be drill seeded and crimp mulched or otherwise restored to previous condition.
3. Commercial containment units (e.g. eco-panel, roll-offs, etc.) may be used in lieu of the detail shown.

Erosion Control Blanket Installation Notes:
1. All erosion control blankets and netting shall be made of 100% natural and biodegradable material; no plastic or other synthetic material, even if photo degradable, shall be allowed.
2. In areas where erosion control blanket is to be installed, the permitee shall place topsoil and perform final grading, surface preparation, and seeding below the blanket in accordance with the requirements of detail 17. Seeding and mulching. Subgrade shall be smooth and moist prior to blanket installation and the blanket shall be in full contact with subgrade, no gaps or voids shall exist under the blanket.
3. Perimeter anchor trench shall be used at outside perimeter of all blanket areas.
4. Joint anchor trench shall be used to join rolls of blankets together (longitudinally and transversely) for all blankets except straw, which may use an overlapping joint.
5. Intermediate anchor trench shall be used at spacing of one-half the roll length for coconut and excelsior blankets.
6. The overlapping joint detail shall be used to join rolls of blankets together for blankets on slopes.
7. Material specifications of erosion control blanket shall conform to Table 7.1.
8. Any areas of seeding and mulching disturbed in the process of installing erosion control blanket shall be reseeded and mulched in accordance with detail 17.
9. All stakes used to secure erosion control blankets shall be made of wood or a biodegradable material. No metal stakes shall be allowed.
Sediment Control Log Installation Notes:
1. Sediment control logs shall be installed prior to any land disturbing activities.
2. Sediment control logs shall consist of straw, compost, excelsior, or coconut fiber.
3. Not for use in concentrated flow areas.
4. The sediment control log shall extend into the ground a minimum of 2' in native or unimproved areas. No trenching required in landscaped areas. No gaps shall exist between the sediment control log and the landscaped surface.

Typical Detail for Dry Utility Boring and Utility Trench
SEEDING AND MULCHING INSTALLATION NOTES:

1. ALL SEEDING AND MULCHING SHALL BE FROM NON-INVASIVE PLANTS. SEEDS AS RUSSIAN OR CANADIAN THISTLE, COARSE FESCUE, EUROPEAN SHERBEE, JOHNSON GRASS, IMPERIALE SOYBEAN, OR ANY OTHER PLANT SPECIES. NO SEEDS OR SEED MIXTURES WHICH HAVE BEEN WET, MOLDY, OR OTHERWISE DAMAGED IN TRANSIT OR IN STORAGE WILL NOT BE ACCEPTABLE. SEED TICKETS SHALL BE PROVIDED TO SEMSWA UPON REQUEST.

2. THE SEEDER SHALL FURNISH TO THE CONTRACTOR A SIGNED STATEMENT CERTIFYING THAT THE SEED FURNISHED IS FROM A LOT THAT HAS BEEN TESTED BY A RECOGNIZED LABORATORY: SEED WHICH HAS BECOME WET, MOLDY, OR OTHERWISE DAMAGED IN TRANSIT OR IN STORAGE WILL NOT BE ACCEPTABLE. SEED TICKETS SHALL BE PROVIDED TO SEMSWA UPON REQUEST.

3. DRILL SEEDING MIX SHALL CONFORM TO THE TABLE ABOVE UNLESS OTHERWISE APPROVED BY SEMSWA.

4. IF THE SEED AVAILABLE ON THE MARKET DOES NOT MEET THE MINIMUM PURITY AND GERMINATION PERCENTAGES SPECIFIED, THE SUBCONTRACTOR MIGHT COMPENSATE FOR A LACK OF PURITY OR GERMINATION BY FURNISHING SUFFICIENT ADDITIONAL SEED TO EQUAL THE SPECIFIED PRODUCT. THE TAGS FROM THE SEED MIXES MUST BE SUPPLIED TO CONTRACTOR AND FURNISHED TO THE SEMSWA GESC INSPECTOR.

5. THE FORMULA USED FOR DETERMINING THE QUANTITY OF PURE LIVE SEED (PLS) SHALL BE (POUNDS OF SEED) X (PURITY) X (GERMINATION) = POUNDS OF PURE LIVE SEED (PLS)

6. PERMANENT SEED MIX SHALL BE USED UNLESS OTHERWISE APPROVED BY SEMSWA.

7. ALL AREAS TO BE SEEDED AND MULCHED SHALL HAVE NATIVE TOPSOIL OR APPROVED SOIL AMENDMENTS SPREAD TO A DEPTH OF AT LEAST 6 INCHES LOOSE DEPTH. HAIL ROADS AND OTHER COMPACTED AREAS SHALL BE LOOSENED TO A DEPTH OF 6 INCHES PRIOR TO SPREADING TOPSOIL.

8. SOIL IS TO BE THOROUGHLY LOOSENED (TILLED) TO A DEPTH OF AT LEAST 6 INCHES PRIOR TO SEEDING. THE TOP 6 INCHES OF THE SEED BED SHALL BE FREE OF ROCKS GROSSER THAN 1 INCH AND SOIL CLODS GREATER THAN 3 INCHES. SEEDING OVER ANY COMPACTED AREAS THAT HAVE BEEN THOROUGHLY LOOSENED WILL BE REJECTED.

9. SEED MIX IS TO BE APPLIED USING A MECHANICAL DRILL TO A DEPTH OF 1 1/2 INCH. ROW SPACING SHALL BE NO NERIE THAN 1 INCH. MATERIAL UNUSABLE FOR MULCH SHALL CONSIST OF LONG-STRUNG STRAW AT A MAXIMUM OF 70% OF THE MULCH BY WEIGHT. SEEDING OF ANY COMPACTED AREAS THAT HAVE BEEN THOROUGHLY LOOSENED WILL BE REJECTED.

10. SEED MIX IS TO BE UNFORMALLY BROADCAST AT TWO TIMES THE DRILLED RATE, THEN LIGHTLY HARRAWED TO PROVIDE THE DEPTH OF 2 INCHES. MULCH SHALL BE APPLIED AT A RATE OF 4000 LB. PER ACRE.

11. MULCH SHALL BE APPLIED WITHIN 24 HOURS OF SEEDING. TACKIFIER SHOULD BE UTILIZED TO HELP WITH STRAW DISPLACEMENT.