ATTACH IN A MANNER THAT ASSURES FABRIC IS FIRMLY HELD BY THE BACKUP SUPPORT IN A WAY THAT REDUCES THE POTENTIAL FOR FABRIC TEARING.

NOTE:
1. INSTALL THE ENDS OF THE HIGH VISIBILITY Silt Fence TO POINT SLIGHTLY UPHILL TO PREVENT SEDIMENT FROM FLOWING AROUND THE ENDS OF THE FENCE.
2. PERFORM MAINTENANCE IN ACCORDANCE WITH WSDOT STD SPECIFICATION 8-01.3(9)A AND 8-01.3(15).
3. SPLICES SHALL NEVER BE PLACED IN LOW SPOTS OR SUMP LOCATIONS. IF SPLICES ARE LOCATED IN LOW OR SUMP AREAS, THE FENCE MAY NEED TO BE REINSTALLED UNLESS THE PROJECT ENGINEER APPROVES THE INSTALLATION.
4. INSTALL Silt FENCING PARALLEL TO MAPPED CONTOUR LINES.

HIGH VISIBILITY FENCE WITH BACKUP SUPPORT

SCALE: NOT TO SCALE

REFERENCE NUMBER: -------
APPLICANT NAME:
WASHINGTON DEPT. OF FISH & WILDLIFE
PROPOSED PROJECT:
DAM SAFETY REPAIRS
LOCATION: MILLES LAKE DAM
SHEET 5 OF 9
DATE: 12/22/2021

ENG. PROJECT NO: R73:2021-1
DRAWN BY: S. GOODWIN
CONSTRUCTION SPECIFICATIONS:

1. PREPARE THE SLOPE BEFORE THE WATTLETING PROCEDURE IS STARTED.
2. SMOOTH SHALLOW GULIES AS WORK PROGRESSES.
3. DIG SMALL TRENCHES ACROSS THE SLOPE ON CONTOUR, TO PLACE ROLLS IN THE TRENCH SHOULD BE DEEP ENOUGH TO ACCOMMODATE HALF THE THICKNESS OF THE ROLL WHEN THE SOIL IS LOOSE AND UNCOMPACTED, THE TRENCH SHOULD BE DEEP ENOUGH TO BURY THE ROLL 2/3 OF ITS THICKNESS BECAUSE THE GROUND WILL SETTLE.
4. ROLLS SHALL BE INSTALLED PERPENDICULAR TO WATER MOVEMENT, PARALLEL TO THE SLOPE CONTOUR.
5. BUILD TRENCHES AND INSTALL ROLLS FROM THE BOTTOM OF THE SLOPE AND WORK UP.
7. LAY THE ROLL ALONG THE TRENCHES FITTING IT SNUGLY AGAINST THE SOIL. MAKE SURE NO GAPS EXIST BETWEEN THE SOIL AND THE STRAW WATTLE.
8. USE A STRAIGHT BAR TO DRIVE HOLES THROUGH THE WATTLE AND INTO THE SOIL FOR THE WILLOW OR WOODEN STAKES.
9. DRIVE THE STAKE THROUGH PREDRILLS HOLE INTO SOIL. LEAVE ONLY 1 OR 2 INCHES OF STAKE EXPOSED ABOVE ROLL.
10. IF USING WILLOW STAKES REFER TO LIVE STARKING BEST MANAGEMENT PRACTICES.
11. INSTALL STAKES AT LEAST EVERY 4 FEET APART THROUGH THE WATTLE. ADDITIONAL STAKES MAY BE DRIVEN ON THE DOWNSLOPE SIDE OF THE TRENCHES ON HIGHLY ERODED OR VERY STEEP SLOPES.
12. INSPECT THE STRAW ROLLS AND THE SLOPES AFTER SIGNIFICANT STORMS. MAKE SURE THE ROLLS ARE IN CONTACT WITH THE SOIL.
13. REPAIR ANY ROLLS OR GULIES PROMPTLY.
14. RESEED OR REPLANT VEGETATION IF NECESSARY UNTIL SLOPES ARE STABILIZED.

CONSTRUCTION ENTRANCE:

1. MATERIAL SHALL BE 4 INCH TO 8 INCH QUARRY SPALLS AND MAY BE TOP-DRESSED WITH 1 INCH TO 3 INCH ROCK. WSDOT 9-13.1.5
2. THE ROCK PAD SHALL BE AT LEAST 12 INCHES THICK AND 100 FEET LONG (50 FEET FOR SITES WITH LESS THAN 1 ACRE), WITHIN THE PAD THICKNESS AND ESOPR AREA. SMALLER PADS MAY BE APPROVED FOR SINGLE-FAMILY RESIDENTIAL AND SMALL COMMERCIAL SITES.
3. ADDITIONAL ROCK SHALL BE ADDED PERIODICALLY TO MAINTAIN PROPER FUNCTION OF THE PAD.
4. IF THE PAD DOES NOT ADEQUATELY REMOVE THE MUD FROM THE VEHICLE WHEELS, THE WHEELS SHALL BE MOSSED OFF BEFORE THE VEHICLE ENTERS A PAVED STREET. THE WASHING SHALL BE DONE ON AN AREA COVERED WITH CRUSHED ROCK AND WASH WATER SHALL DRAIN TO A SEDIMENT RETENTION FACILITY OR THROUGH A SILT FENCE.
5. INSTALL FABRIC UNDER QUARRY SPALLS AS DIRECTED BY ENGINEER.
QUANTITIES

<table>
<thead>
<tr>
<th>MATERIAL</th>
<th>AREA</th>
<th>AREA OF IMPACT TO WETLAND</th>
<th>IMPERVIOUS SURFACE AREA</th>
<th>CUT OUTSIDE OF WETLAND</th>
<th>FILL OUTSIDE OF WETLAND</th>
<th>CUT IN WETLAND</th>
<th>FILL IN WETLAND</th>
<th>BELOW OHW</th>
</tr>
</thead>
<tbody>
<tr>
<td>NATIVE MATERIAL</td>
<td>3612 SF</td>
<td>832.97 SF</td>
<td>168 SF</td>
<td>0 CY</td>
<td>155.69 CY</td>
<td>32.31 CY</td>
<td>0 CY</td>
<td>0 CY</td>
</tr>
<tr>
<td>ECOLOGY BLOCK</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>QUARRY SPALL IN GABION CAGE</td>
<td>756 SF</td>
<td>311.51 SF</td>
<td>0 CY</td>
<td>0 CY</td>
<td>30.10 CY</td>
<td>0 CY</td>
<td>16.94 CY</td>
<td>0 CY</td>
</tr>
<tr>
<td>QUARRY SPALL IN GABION MATRESS</td>
<td>2525 SF</td>
<td>414.36 SF</td>
<td>0 CY</td>
<td>0 CY</td>
<td>123.15 CY</td>
<td>0 CY</td>
<td>10.27 CY</td>
<td>0 CY</td>
</tr>
<tr>
<td>QUARRY SPALL IN DEPASION PAD</td>
<td>168 SF</td>
<td>107.1 SF</td>
<td>0 CY</td>
<td>0 CY</td>
<td>2.44 CY</td>
<td>0 CY</td>
<td>5.10 CY</td>
<td>0 CY</td>
</tr>
<tr>
<td>TOTALS</td>
<td>3612 SF</td>
<td>832.97 SF</td>
<td>168 SF</td>
<td>0 CY</td>
<td>155.69 CY</td>
<td>32.31 CY</td>
<td>32.31 CY</td>
<td>0 CY</td>
</tr>
</tbody>
</table>

Note: some areas of materials may overlap and will not be included in the total.

PROPOSED SITE PLAN

LEGEND

- GRAVEL ROAD
- MAJOR CONTOUR LINES
- ORDINARY HIGH WATER
- WETLAND A BUFFER
- WETLAND B BUFFER

12.0 x 6.0 x 0.5 GABION MATRESS W/ 0.3" QUARRY SPALL
12.0 x 6.0 x 0.75 GABION MATRESS W/ 0.3" QUARRY SPALL
6.0 x 2.0 x 2.0 GABION CAGE W/ 0.5" QUARRY SPALL
3.5 x 5.0 x 0.3" QUARRY SPALL (DEPTH Varies 0.33" - 0.67")
3.5 x 4.0 x 0.3" RIP RAP (DEPTH Varies 0.5" - 1.0")
WETLAND OVERLAP
WETLAND

REFERENCE NUMBER:        
APPLICANT NAME:         
WASHINGTON DEPT. OF FISH & WILDLIFE
PROPOSED PROJECT:       
DAM SAFETY REPAIRS
LOCATION: MILLES LAKE DAM
SHEET 7 OF 9 DATE 12/22/2021

ENG. PROJECT NO: R73:2021-1 DRAWN BY: S. GOODWIN