CONSTRUCTION NOTES

THIS PLAN SHEET IS FOR CULVERT EMBANKMENT PROTECTION ONLY. REFER TO THE GRADING PLANS FOR ADDITIONAL RIPRAP OR OTHER SCOUR PROTECTION MEASURES.

PROVIDE RIPRAP FOR SPEC. 2511 AND SPEC. 3603.

EMBANKMENT PROTECTION INCLUDING MATERIAL PLACED BETWEEN BARRELS THAT ARE LESS THAN 2'-0" APART, IS INCIDENTAL.

1. FOR TYPE OF GEOTEXTILE FILTER MATERIAL REQUIRED SEE SPEC. 2520. PROVIDE GEOTEXTILE FILTER MATERIAL BETWEEN THE CULVERTS AS APPROVED BY THE ENGINEER. IF PEA ROCK IS USED PROVIDE APPROVED GROUT SEEPAGE CUTOFF CORE. MINIMUM 1'-0" THICK BETWEEN THE CULVERTS.

2. IF THE DISTANCE BETWEEN DOUBLE BARRELS IS LESS THAN 2'-0" USE EITHER PEA ROCK OR LEAN MIX BACKFILL (SPEC. 2520) BETWEEN THE CULVERTS AS APPROVED BY THE ENGINEER. IF PEA ROCK IS USED PROVIDE APPROVED GROUT SEEPAGE CUTOFF CORE. MINIMUM 1'-0" THICK BETWEEN THE CULVERTS.

3. REFER TO THE GENERAL PLAN AND ELEVATION SHEET FOR THE DISTANCE BETWEEN BARRELS.

RIPRAP CLASS

<table>
<thead>
<tr>
<th>RIPRAP CLASS</th>
<th>T</th>
<th>R</th>
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<tbody>
<tr>
<td>III</td>
<td>1'-6&quot;</td>
<td>3'-6&quot;</td>
</tr>
<tr>
<td>IV</td>
<td>2'-0&quot;</td>
<td>4'-0&quot;</td>
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</tbody>
</table>

DESIGNER NOTE:

REVIEW PLAN TO PREVENT UNDERMINING.

GEOGRAPHICAL LOCATION:

STATE BRIDGE ENGINEER

APPROVED: SEPTEMBER 11, 2014

PREPARED: 10-22-2019

REVISION: 10-22-2019

STATE PROJ. NO. (T.H.) STA. + 4...

BRIDGE NO.

FIG. 5-395.115

EMBANKMENT PROTECTION FOR BOX CULVERTS

FOR ADDITIONAL RIPRAP OR OTHER SCOUR PROTECTION MEASURES.