<table>
<thead>
<tr>
<th>CELL / MODEL NAME</th>
<th>DESCRIPTION</th>
<th>DATE</th>
</tr>
</thead>
<tbody>
<tr>
<td>DCB-XS-TSA-SB</td>
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<tr>
<td>DCB-XS-TSA-SC</td>
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<td>2/17/2017</td>
</tr>
<tr>
<td>Drain_Detail</td>
<td>Top Slab Drain Detail for Cast-in-Place Box Culverts</td>
<td>2/17/2017</td>
</tr>
<tr>
<td>PC_TO_CIP_CONN</td>
<td>Precast to Cast-in-Place Box Culvert Connection Collar</td>
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<td>PHOEBE_NEST_DETAIL</td>
<td>Phoebe Nesting Site Detail</td>
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<td>SETTLEMENT_COLLAR</td>
<td>Box Culvert Settlement Collar Details</td>
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<tr>
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Descrip: 2 rows of reinf in top slab; 1 row of reinf in each wall; Double Cell Box Culvert Cross Section
Cell Name: DCB-XS-TSA-SC
Descrip: 2 rows of reinf in top slab; 2 rows of reinf in each wall; Double Cell Box Culvert Cross Section

SECTION THRU BARREL
DRAIN DETAIL

(to be removed with formwork)

"Square foam blockout around PVC drain
(Adjust location to clear reinforcement)

3" Ø PVC drain cast with the concrete
(Adjust location to clear reinforcement)

½" Square foam blockout around PVC drain
(to be removed with formwork)

* Nonwoven geotextile fabric shall conform to the requirements of Article 1080.01 of the Standard Specifications. The minimum weight of the fabric shall be 6 ounces per square yard.

* 12" x 12" x 6" block of CA5, CA7, or CA11 coarse aggregate placed over drain opening. Block of aggregate shall be completely wrapped in nonwoven geotextile fabric.

* Provide a double layer of 12" x 12" nonwoven geotextile fabric centered over the drain hole. Perimeter of fabric shall be sealed to the concrete with mastic.

(Drain detail will not be measured for payment but shall be included in the contract unit price for the associated work.)
Cell Name: PC_TO_CIP_CONN
Descrip: Precast to Cast-in-Place Box Culvert Connection Collar

**SECTION THRU CONNECTION COLLAR**

**ALTERNATE SECTION THRU CONNECTION COLLAR**
Notch formed by rough finished board attached to and removed with form work, each interior wall. (Do not chamfer).

SECTION A-A

PHOEBE NESTING

SITE DETAILS
(Downstream End Only)
Cell Name: SETTLEMENT_COLLAR
Descrip: Box Culvert Settlement Collar Details

* Provide 3" cl. at the base of the bottom slab collar.

**SECTION THRU TOP AND BOTTOM SLAB**

**SECTION THRU SIDEWALL**
Cell Name: TCB-XS-TSA-SB
Descrip: 2 rows of reinf in top slab; 1 row of reinf in each wall; Triple Cell Box Culvert Cross Section

SECTION THRU BARREL
Cell Name: TCB-XS-TSA-SC
Descrip: 2 rows of reinf in top slab; 2 rows of reinf in each wall; Triple Cell Box Culvert Cross Section

SECTION THRU BARREL