

PROJECT REFERENCE NO.		SHEET NO.	
R-2233BB		EC-4B/CONST.4	
RW SHEET NO.		HYDRAULICS ENGINEER	
ROADWAY DESIGN ENGINEER		HYDRAULICS ENGINEER	

CULVERT CONSTRUCTION SEQUENCE STA. 735 + 39 -L-

PHASE 1

1. CONSTRUCT STILLING BASIN 1 PER NCDOT DWG 1630.04 AT SIZE SPECIFIED.
2. REMOVE 60" CMP AT DOWNSTREAM END.
3. CONSTRUCT TEMPORARY DIVERSION CHANNEL A. INSTALL IMPERVIOUS DIKE A AND DIVERT FLOW.
4. INSTALL PUMP AROUND OPERATION AT DOWNSTREAM CHANNEL CHANGE AND SPECIAL STILLING BASINS SEE SHEET EC-2E.
5. CONSTRUCT IMPERVIOUS DIKES B AND C, TEMPORARY CHANNEL DIVERSIONS B AND C AND DIVERT FLOW TO PUMP AROUND OPERATION.
6. CONSTRUCT DOWNSTREAM CHANNEL CHANGE, REMOVE IMPERVIOUS DIKE C, AND CONNECT TO EXISTING CHANNEL.
7. CONNECT DOWNSTREAM CHANNEL CHANGE TO TEMPORARY DIVERSION B.
8. REMOVE IMPERVIOUS DIKE B FROM TEMPORARY DIVERSION B. CONSTRUCT TEMPORARY DIVERSION C.
8. REMOVE PUMP AROUND, SPECIAL STILLING BASINS.
9. CONSTRUCT UPSTREAM SECTION OF CULVERT.
10. CONSTRUCT UPSTREAM WINGWALLS.

PHASE 2

1. CONSTRUCT STILLING BASIN 2 PER NCDOT DWG 1630.04 AT SIZE SPECIFIED.
2. INSTALL TEMPORARY 2 @ 36" PIPES FROM CULVERT CONSTRUCTION JOINT TO DIVERSION CHANNEL.
3. CONSTRUCT IMPERVIOUS DIKE D AT UPSTREAM END OF CULVERT DIVERT FLOW TO UPSTREAM SECTION OF CULVERT.
4. CONSTRUCT DOWNSTREAM HALF OF CULVERT FROM DOWNSTREAM TO UPSTREAM.
5. SHIFT DISCHARGE OF 2 @ 36" PIPES TO DOWNSTREAM SECTION OF CULVERT TO ALLOW CONSTRUCTION OF LAST CULVERT SECTION.
6. CONSTRUCT LAST SECTION OF CULVERT. REMOVE 36" PIPES.
7. CONSTRUCT WINGWALLS.
8. REMOVE IMPERVIOUS DIKE D, STILLING BASINS
9. CONSTRUCT ROADWAY.

