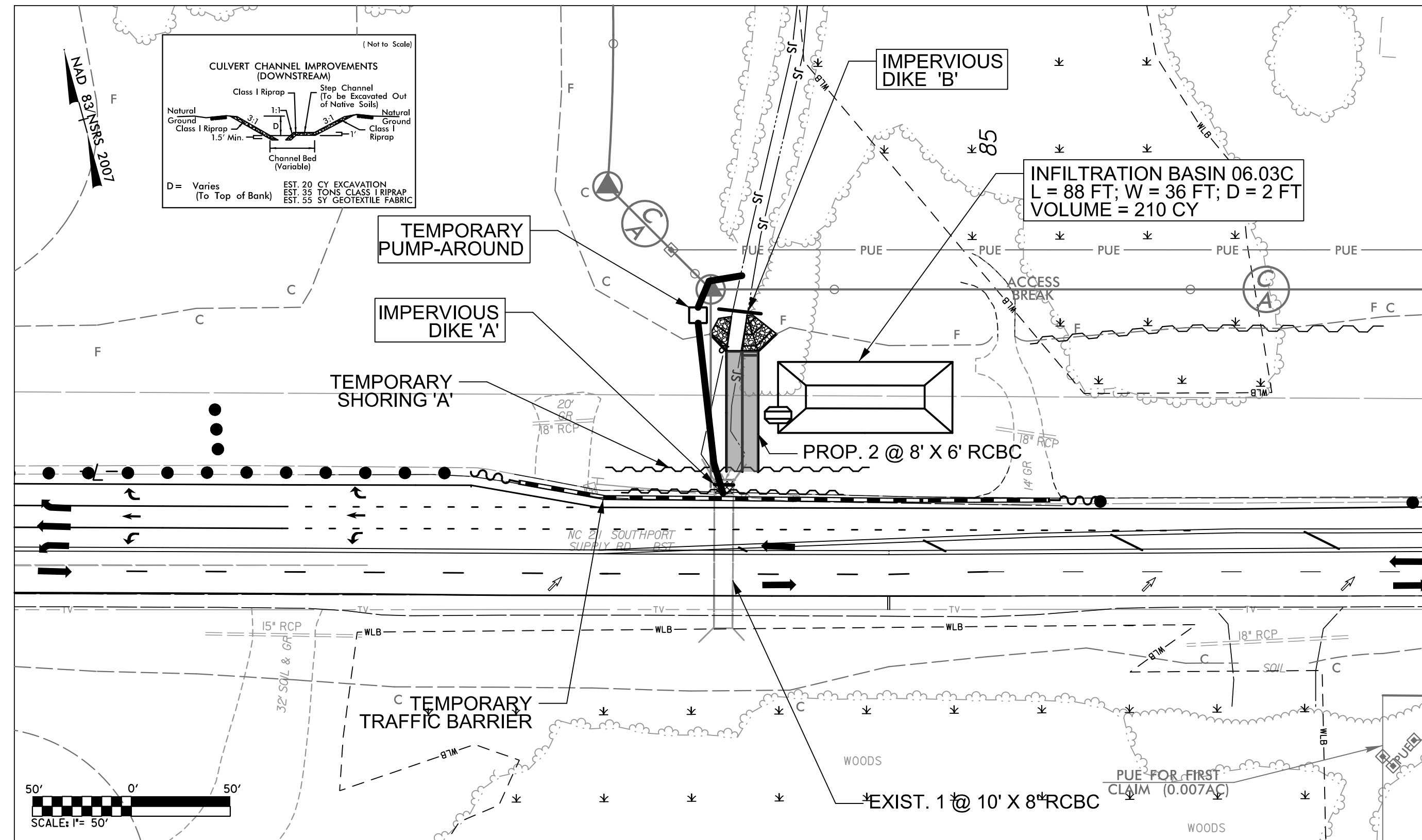


R-5021 CULVERT PHASING 2 OF 6
 NC 211 OVER RIVER SWAMP
 BRUNSWICK COUNTY
 -L- 83+75

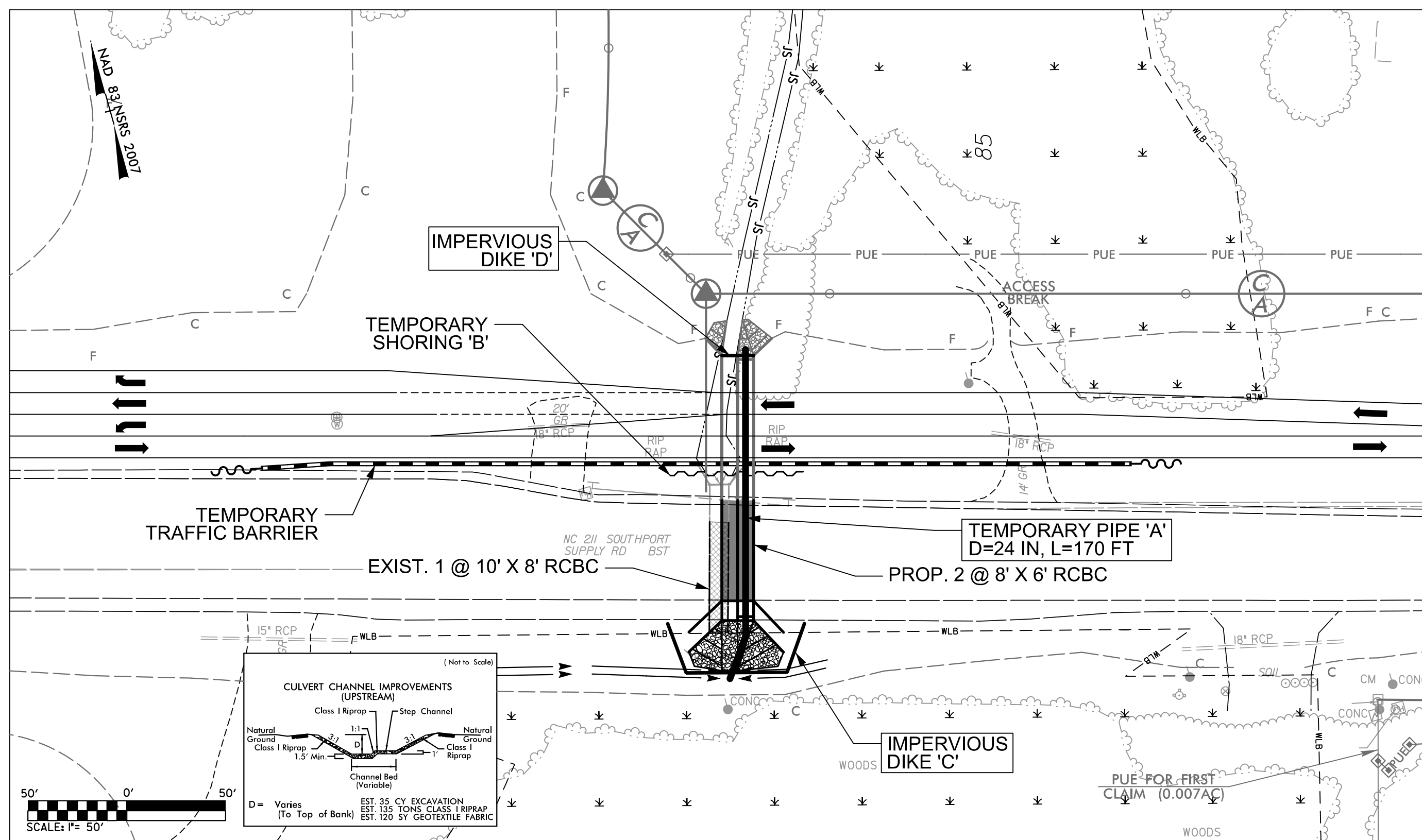
HNTB HNTB NORTH CAROLINA, P.C.
 343 E. Six Forks Road, Suite 200
 Raleigh, North Carolina 27609
 NC License No: C-1554

PROJECT REFERENCE NO.	SHEET NO.
R-5021	EC-6A/CONST.6
RW SHEET NO.	
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER



PHASE I

1. UTILIZE INFILTRATION BASIN 06.03C AS STILLING BASIN.
2. INSTALL TEMPORARY SHORING 'A' AND TEMPORARY TRAFFIC BARRIER AND SHIFT TRAFFIC RIGHT.
3. CONSTRUCT IMPERVIOUS DIKES 'A' & 'B', INSTALL PUMP-AROUND.
4. DEWATER CONSTRUCTION AREA INTO INFILTRATION BASIN 06.03C.
5. REMOVE HEADWALL, WINGWALLS, AND APPROX. 7 FT OF EXISTING 1 @ 10' X 8' RCBC.
6. CONSTRUCT APPROXIMATELY 61 FT OF PROPOSED 2 @ 8' x 6' RCBC AND DOWNSTREAM CHANNEL IMPROVEMENTS.
7. CONSTRUCT PROPOSED WESTBOUND LANES OF NC 211.



PHASE II

1. UTILIZE SPECIAL STILLING BASIN(S) AS NEEDED DURING PHASE II CULVERT CONSTRUCTION.
2. INSTALL TEMPORARY SHORING 'B', ADJUST TEMPORARY TRAFFIC BARRIER CONFIGURATION AND SHIFT TRAFFIC ONTO WESTBOUND LANES OF NC 211.
3. INSTALL IMPERVIOUS DIKES 'C' & 'D', INSTALL TEMPORARY PIPE 'A'. DEWATER CONSTRUCTION AREA INTO SPECIAL STILLING BASIN(S).
4. REMOVE PUMP-AROUND, IMPERVIOUS DIKES 'A' & 'B', AND TEMPORARY SHORING 'A'.
5. REMOVE REMAINDER OF EXISTING 1 @ 10' X 8' RCBC.
6. CONSTRUCT REMAINDER OF PROPOSED 2 @ 8' x 6' RCBC & UPSTREAM WINGWALLS AND CONSTRUCT UPSTREAM CHANNEL IMPROVEMENTS.
7. REMOVE IMPERVIOUS DIKES 'C' & 'D', TEMPORARY PIPE 'A', TEMPORARY SHORING 'B', AND TEMPORARY TRAFFIC BARRIER. CONSTRUCT PROPOSED EASTBOUND NC 211.
8. COMPLETE CONSTRUCTION OF EASTBOUND AND WESTBOUND LANES, REMOVE REMAINING SPECIAL STILLING BASIN(S) AND SHIFT TRAFFIC INTO FINAL PATTERN.