
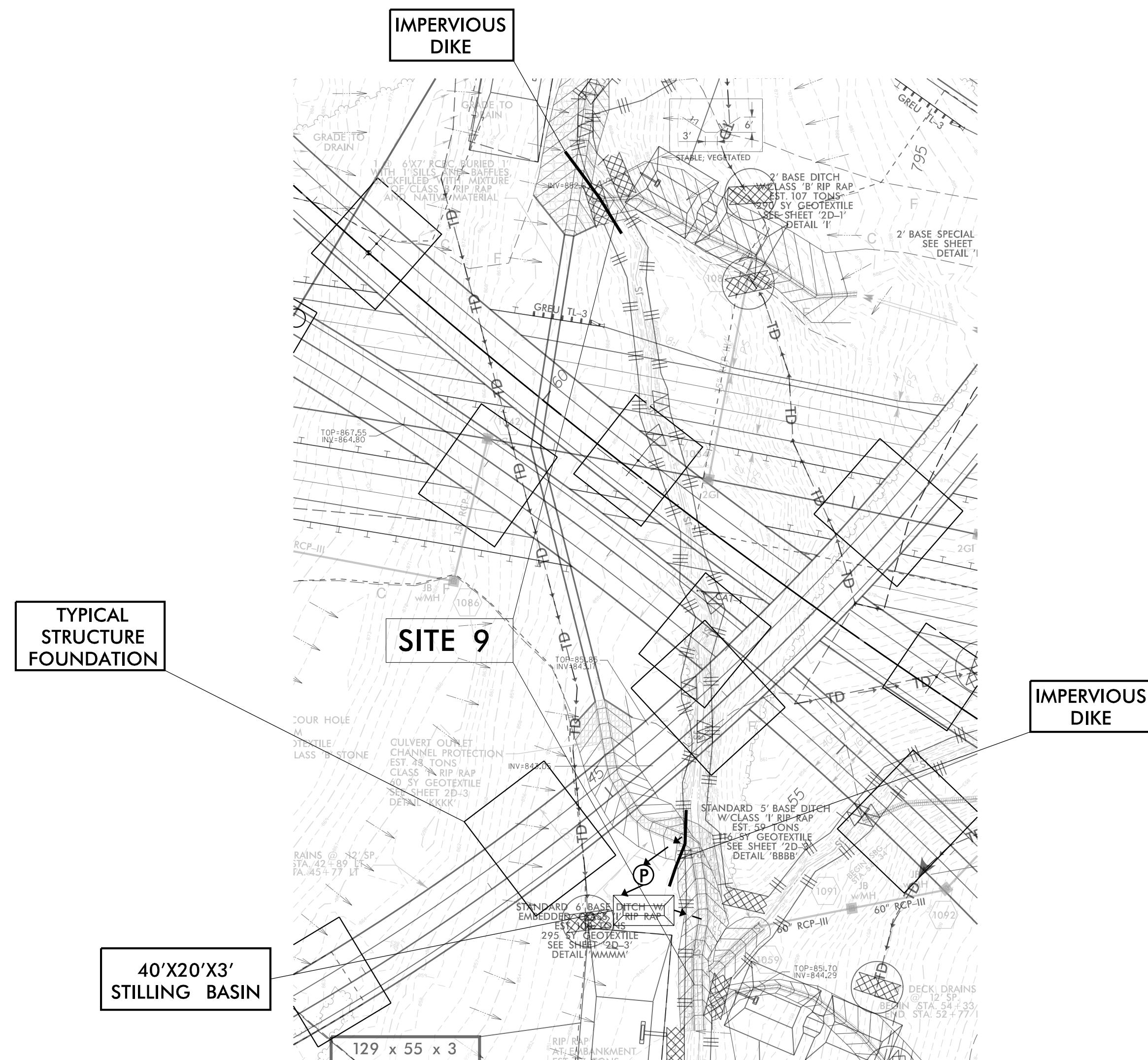


CULVERT CONSTRUCTION SEQUENCE STA. 792 + 88 -L-

PROJECT REFERENCE NO. <i>U-2579AB</i>		SHEET NO. <i>EC-10B/CONST.10</i>	
RW SHEET NO.			
ROADWAY DESIGN ENGINEER		HYDRAULICS ENGINEER	
		HDR Engineering, Inc. of the Carolinas 555 Fayetteville St, Suite 900 Raleigh, N.C. 27601 N.C.B.E.L.S. License Number: F-0116	

PHASE 1

1. CONSTRUCT 40'X20'X3' STILLING BASIN.
2. INSTALL IMPERVIOUS DIKES AS SHOWN TO ISOLATE WORK AREA.
3. CONSTRUCT CULVERT USING STILLING BASIN AND PUMP TO DE-WATER THE WORK ZONE.
4. COMPLETE INLET AND OUTLET CHANNEL IMPROVEMENTS IN DRY CONDITIONS THROUGH THE USE OF PUMP-AROUND OPERATION AND IMPERVIOUS DIKES.



NOTE: IT IS RECOMMENDED TO COMPLETE CONSTRUCTION OF THE CULVERT PRIOR TO CONSTRUCTION OF FOOTINGS FOR STRUCTURES ON -Y15FLYAC-, -Y15FLYBD-, AND -Y15FLYCA-.

PHASE 2

1. RELOCATE IMPERVIOUS DIKES AT DOWNSTREAM END OF NEWLY CONSTRUCTED CULVERT AS SHOWN.
2. INSTALL IMPERVIOUS DIKES DOWNSTREAM OF PROPOSED CHANNEL IMPROVEMENT AS SHOWN.
3. RELOCATE IMPERVIOUS DIKES AT UPSTREAM END OF NEWLY CONSTRUCTED CULVERT AS SHOWN TO ESTABLISH FLOW THROUGH NEWLY CONSTRUCTED CULVERT.
4. MAINTAIN PUMP AROUND OPERATION AT DOWNSTREAM END OF CULVERT TO CONVEY STREAM FLOW BEYOND THE DOWNSTREAM IMPERVIOUS DIKES.
5. CONSTRUCT STILLIN BASIN AND PUMP AROUND OPERATION TO DEWATER THE WORK ZONE AND COMELETE DOWNSTREAM CHANNEL IMPROVEMENTS.
6. REMOVE STILLING BASINS AND IMPERVIOUS DIKES TO ALLOW FLOW THROUGH CULVERT AND COMPLETED CHANNEL.

