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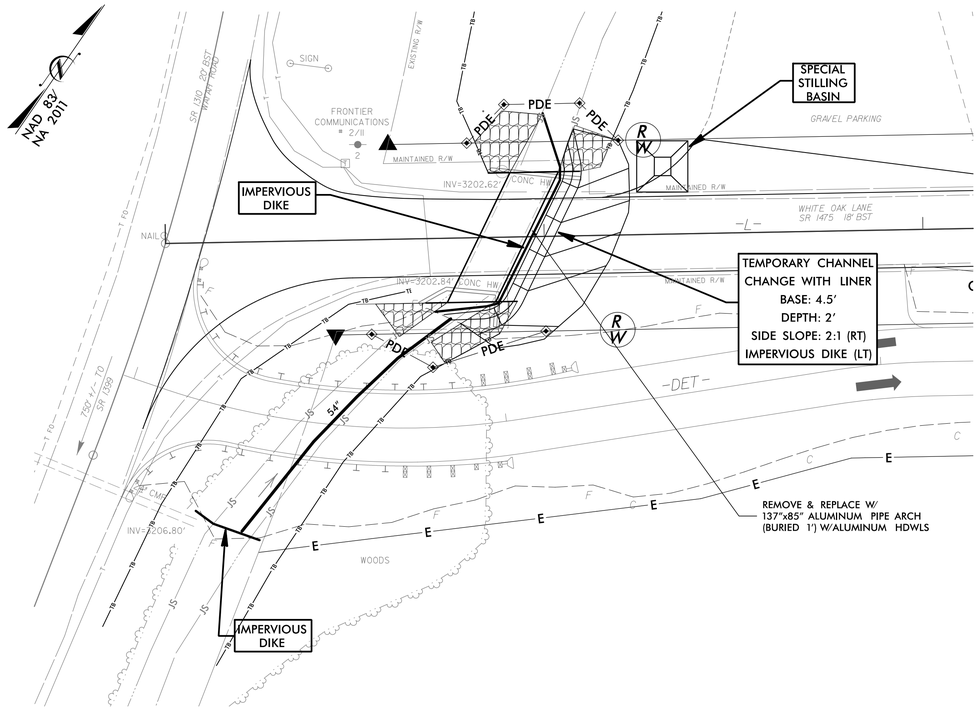
0′ 20′ 40′	PROJECT REFERENCE NO.	SHEET NO.
	17BP.14.R.115	EC-2B-2
	R/W SHEET NO.	

CULVERT CONSTRUCTION SEQUENCE

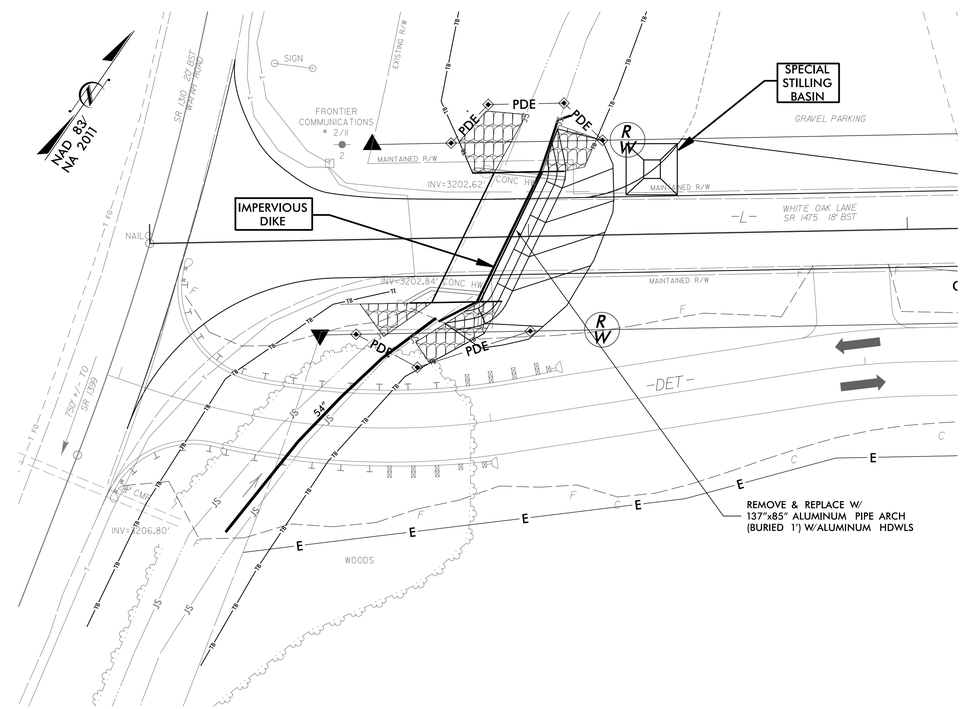
CULVERT CONSTRUCTION STEP 1

STA. 10 + 89 –L–



CULVERT CONSTRUCTION STEP 2

STA. 10 + 89 –L–



CULVERT CONSTRUCTION SEQUENCE STA. 10 + 89 –L–

1. DETOUR MUST BE COMPLETE AND OPERATIONAL PRIOR TO REPLACEMENT OF EXISTING CULVERT.

2. CONSTRUCT TEMPORARY CHANNEL CHANGE THROUGH EXISTING EMBANKMENT AND AROUND PROPOSED CULVERT LOCATION AS SHOWN IN STEP 1.

3. DIVERT STREAM FLOW FROM TEMPORARY 54″ CULVERT THROUGH TEMPORARY CHANNEL CHANGE AND AROUND WORK AREA USING IMPERVIOUS DIKE.

4. DEWATER ENTRAPPED AREA AS NECESSARY. AREA TO BE DEWATERED SHALL BE EQUAL TO ONE DAY'S WORK.

5. REPLACE CULVERT AND BANK STABILIZATION IN ACCORDANCE WITH THE PLANS.

6. ONCE PROPOSED CULVERT IS IN PLACE, UTILIZE IMPERVIOUS DIKES TO DIVERT STREAM FLOW THROUGH THE CULVERT AS SHOWN IN STEP 2

7. BACKFILL CULVERT AND TEMPORARY CHANNEL CHANGE AND CONSTRUCT BANK STABILIZATION IN ACCORDANCE WITH THE PLANS.

8. ONCE ROADWAY CONSTRUCTION IS COMPLETE AND TRAFFIC IS IN FINAL PATTERN, REMOVE DETOUR AND RESTORE STREAM TO ORIGINAL CONDITION IN ACCORDANCE WITH THE PLANS AND SPECIAL PROVISIONS. UTILIZE BYPASS PUMPING AND IMPERVIOUS DIKES AS NECESSARY.

9. ONCE STREAM IS RESTABLISHED AND STABLE, REMOVE AND PROPERLY DISPOSE OF SPECIAL STILLING BASINS AND REMAINING EROSION CONTROL MEASURES

Notes:
1. All excavation shall be performed in only dry or isolated areas of the work zone.
2. Impervious dikes are to be used to isolate work from stream flow when necessary.
3. Maintenance of stream flow operations shall be incidental to the work. This includes polyethylene sheeting, diversion pipes, pumps, and hoses.
4. Pumps and hoses shall be of sufficient size to dewater the work area.
5. All graded areas shall be stabilized within 24 hours.
6. The contractor shall not pump sediment–laden water directly into the stream. For dewatering of culvert sites, the contractor shall filter sediment–laden water through special stilling basin(s).
7. Special stilling basins must be installed behind erosion control measures.
8. Banks of re–established channel banks shall be stabilized using Streambank Reforestation in accordance with Sheet RF–2 and RF–3
9. Re–established stream bed shall be lined with channel substrate material in accordance with the plans and special provisions.

wsp
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CHARLOTTE, NC 28203
NC LIC. NO. F-0165

REVISIONS

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