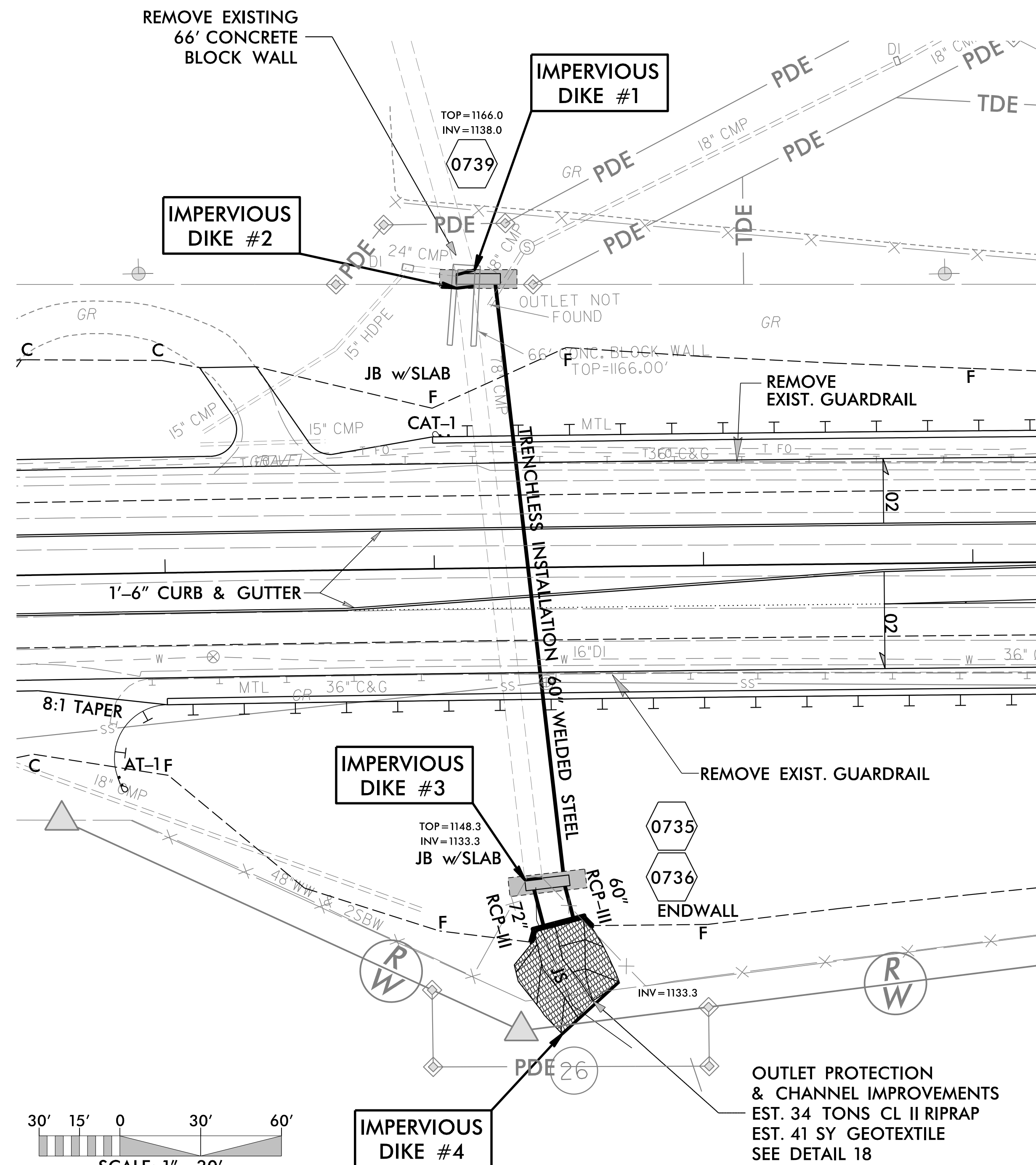


78" CMP LINING AND 60" WSP INSTALLATION SEQUENCE STA. 62+29 -L- UT TO YADKIN RIVER

PROJECT REFERENCE NO. U-5312	SHEET NO. EC-05A/CONST.07
RW SHEET NO.	
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER

PHASE I

- 1.) UTILIZE SPECIAL STILLING BASIN(S) AS NEEDED THROUGHOUT PIPE INSTALLATION.
- 2.) INSTALL UPSTREAM AND DOWNSTREAM PUMPS AND TEMPORARY FLEXIBLE HOSES.
- 3.) INSTALL IMPERVIOUS DIKES #1, #2, #3, AND #4 AND BEGIN PUMPING OPERATIONS FOR STREAM DIVERSION.
- 4.) DEWATER CONSTRUCTION AREAS UTILIZING SPECIAL STILLING BASIN(S) FOR PUMPED EFFLUENT.
- 5.) REMOVE EXISTING 66' CONCRETE BLOCK WALL AND CONSTRUCT UPSTREAM JUNCTION BOX W/SLAB.
- 6.) INSTALL TRENCHLESS 60" WELDED STEEL PIPE.
- 7.) CONSTRUCT OUTLET PROTECTION AND CHANNEL IMPROVEMENTS, DOWNSTREAM JUNCTION BOX W/SLAB, 72" RCP-III, AND 60" RCP-III.
- 8.) EXCAVATE ANY ACCUMULATED SILT AND DEWATER BEFORE REMOVAL OF IMPERVIOUS DIKES.
- 9.) REMOVE IMPERVIOUS DIKES, DOWNSTREAM PUMPS, AND ASSOCIATED FLEXIBLE HOSES.



PHASE II

- 1.) MAINTAIN UPSTREAM PUMPS AND TEMPORARY FLEXIBLE HOSES.
- 2.) INSTALL IMPERVIOUS DIKES #5, #6, AND #7 AND BEGIN PUMPING OPERATIONS FOR STREAM DIVERSION.
- 3.) DIVERT FLOW THROUGH TRENCHLESS 60" WELDED STEEL PIPE.
- 4.) DEWATER CONSTRUCTION AREA UTILIZING SPECIAL STILLING BASIN(S).
- 5.) LINE EXISTING 78" CMP W/NC DOT APPROVED LINER.
- 6.) EXCAVATE ANY ACCUMULATED SILT AND DEWATER BEFORE REMOVAL OF IMPERVIOUS DIKES.
- 7.) REMOVE ANY REMAINING SPECIAL STILLING BASIN(S), IMPERVIOUS DIKES, UPSTREAM PUMPS, AND TEMPORARY FLEXIBLE HOSES.
- 8.) COMPLETE ROADWAY.

