PROJECT REFERENCE NO.	SHEET NO.
U-3609A	EC-10/CONST.5
R/W SHEET NO.	

Kimley-Horn and Associates, Inc.
P.O. BOX 33068
RALEIGH, N.C. 27636-3068

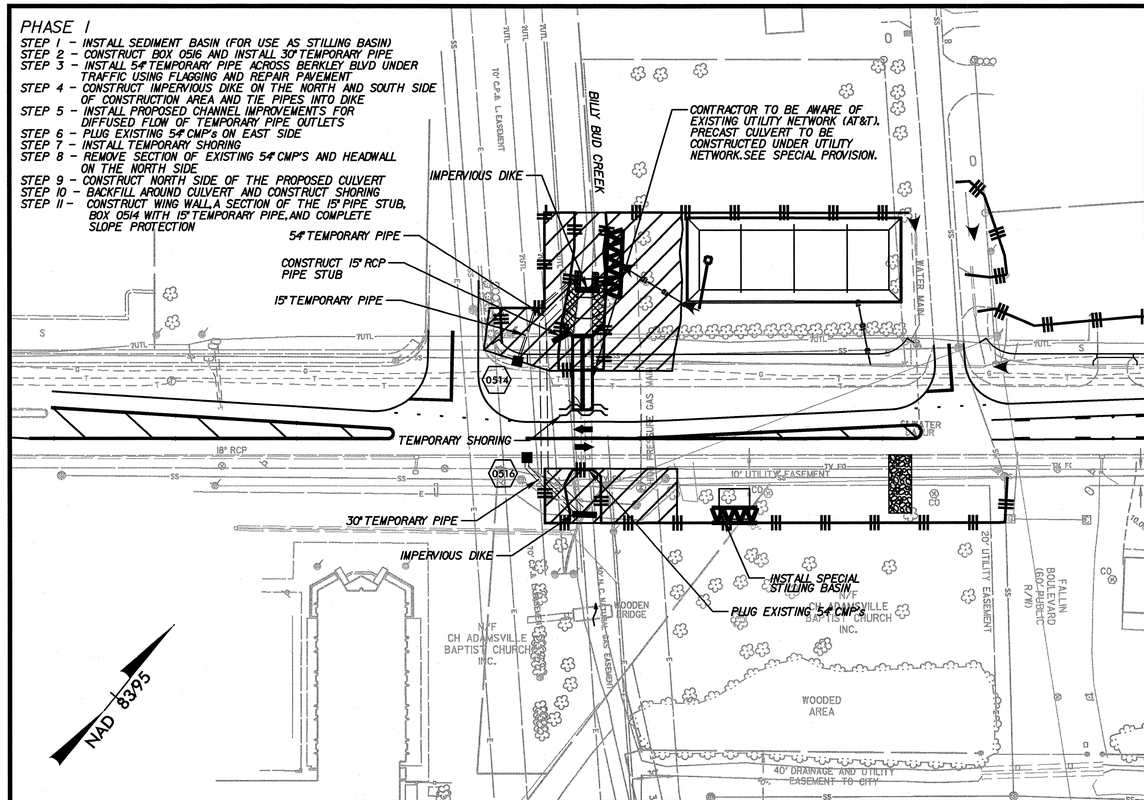
RIGHT-OF-WAY REV.
CONST. REV.

ROADWAY DESIGN ENGINEER — NORTH CAROLINA PROFESSIONAL SEAL 031467 ENGINEER JAMES I. INGE

HYDRAULICS ENGINEER — NORTH CAROLINA PROFESSIONAL SEAL 032615 ENGINEER DAVID L. LAWRENCE — 2-21-13

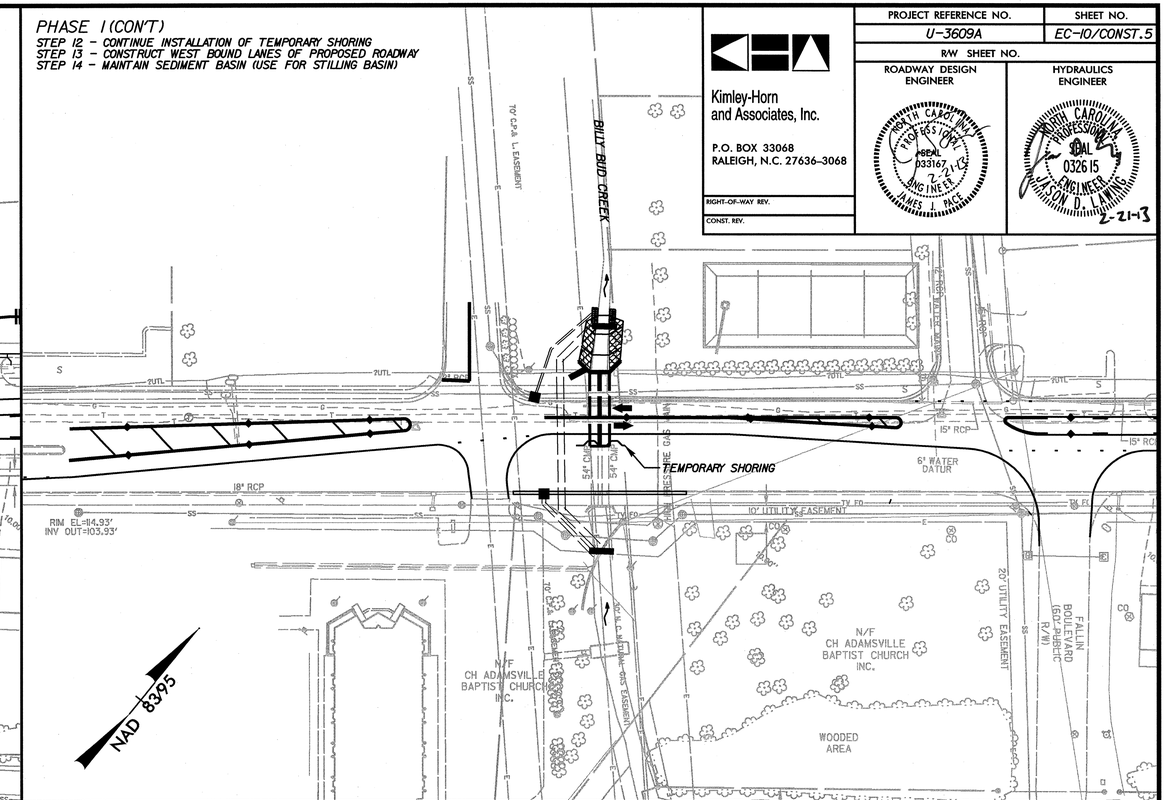
PHASE 1

STEP 1 - INSTALL SEDIMENT BASIN (FOR USE AS STILLING BASIN)
STEP 2 - CONSTRUCT BOX 0516 AND INSTALL 30" TEMPORARY PIPE
STEP 3 - INSTALL 54" TEMPORARY PIPE ACROSS BERKLEY BLVD UNDER TRAFFIC USING FLAGGING AND REPAIR PAVEMENT
STEP 4 - CONSTRUCT IMPERVIOUS DIKE ON THE NORTH AND SOUTH SIDE OF CONSTRUCTION AREA AND TIE PIPES INTO DIKE
STEP 5 - INSTALL PROPOSED CHANNEL IMPROVEMENTS FOR DIFFUSED FLOW OF TEMPORARY PIPE OUTLETS
STEP 6 - PLUG EXISTING 54" CMP's ON EAST SIDE
STEP 7 - INSTALL TEMPORARY SHORING
STEP 8 - REMOVE SECTION OF EXISTING 54" CMP'S AND HEADWALL ON THE NORTH SIDE
STEP 9 - CONSTRUCT NORTH SIDE OF THE PROPOSED CULVERT
STEP 10 - BACKFILL AROUND CULVERT AND CONSTRUCT SHORING
STEP 11 - CONSTRUCT WING WALL, A SECTION OF THE 15" PIPE STUB, BOX 0514 WITH 15" TEMPORARY PIPE, AND COMPLETE SLOPE PROTECTION



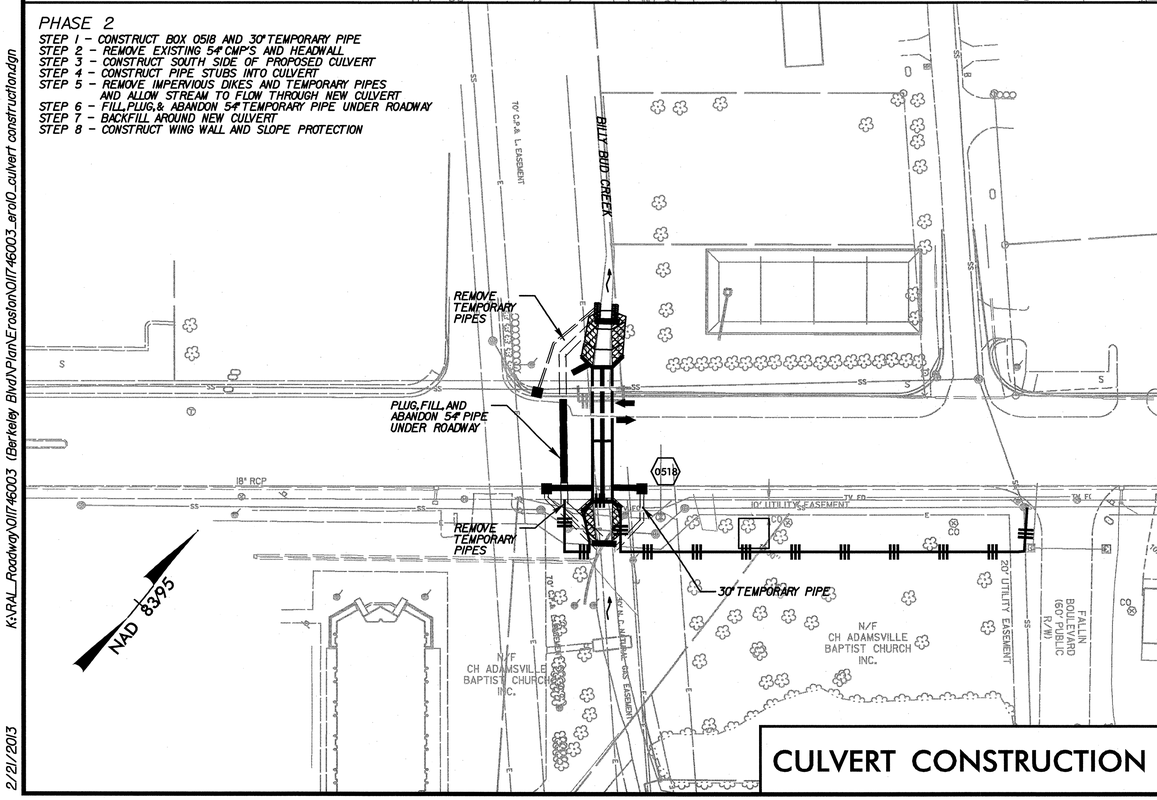
PHASE 1 (CON'T)

STEP 12 - CONTINUE INSTALLATION OF TEMPORARY SHORING
STEP 13 - CONSTRUCT WEST BOUND LANES OF PROPOSED ROADWAY
STEP 14 - MAINTAIN SEDIMENT BASIN (USE FOR STILLING BASIN)



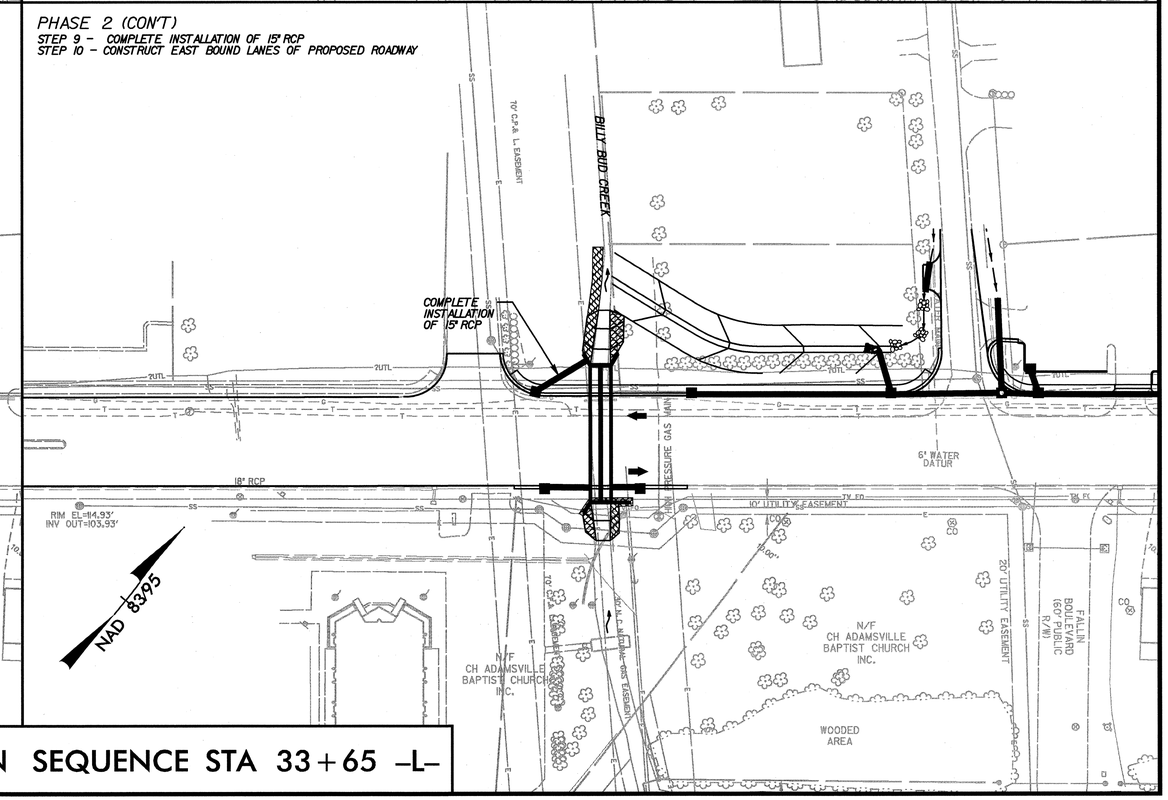
PHASE 2

STEP 1 - CONSTRUCT BOX 0518 AND 30" TEMPORARY PIPE
STEP 2 - REMOVE EXISTING 54" CMP'S AND HEADWALL
STEP 3 - CONSTRUCT SOUTH SIDE OF PROPOSED CULVERT
STEP 4 - CONSTRUCT PIPE STUBS INTO CULVERT
STEP 5 - REMOVE IMPERVIOUS DIKES AND TEMPORARY PIPES AND ALLOW STREAM TO FLOW THROUGH NEW CULVERT
STEP 6 - FILL, PLUG, & ABANDON 54" TEMPORARY PIPE UNDER ROADWAY
STEP 7 - BACKFILL AROUND NEW CULVERT
STEP 8 - CONSTRUCT WING WALL AND SLOPE PROTECTION



PHASE 2 (CON'T)

STEP 9 - COMPLETE INSTALLATION OF 15" RCP
STEP 10 - CONSTRUCT EAST BOUND LANES OF PROPOSED ROADWAY



CULVERT CONSTRUCTION SEQUENCE STA 33+65 -L-

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2/21/2013