CULVERT CONSTRUCTION SEQUENCE STA. 15 + 68 –L–

PROJECT REFERENCE	SHEET NO.
17BP.5.R.51 – WAKE 27	EC–3A

ROADSIDE ENVIRONMENTAL PROJECT ENGINEER

LEVEL III CERTIFIED BY:
ALEXANDER D. SNIDER, PE
CERTIFICATION NUMBER: 3064
ISSUED: FEBRUARY 17, 2017

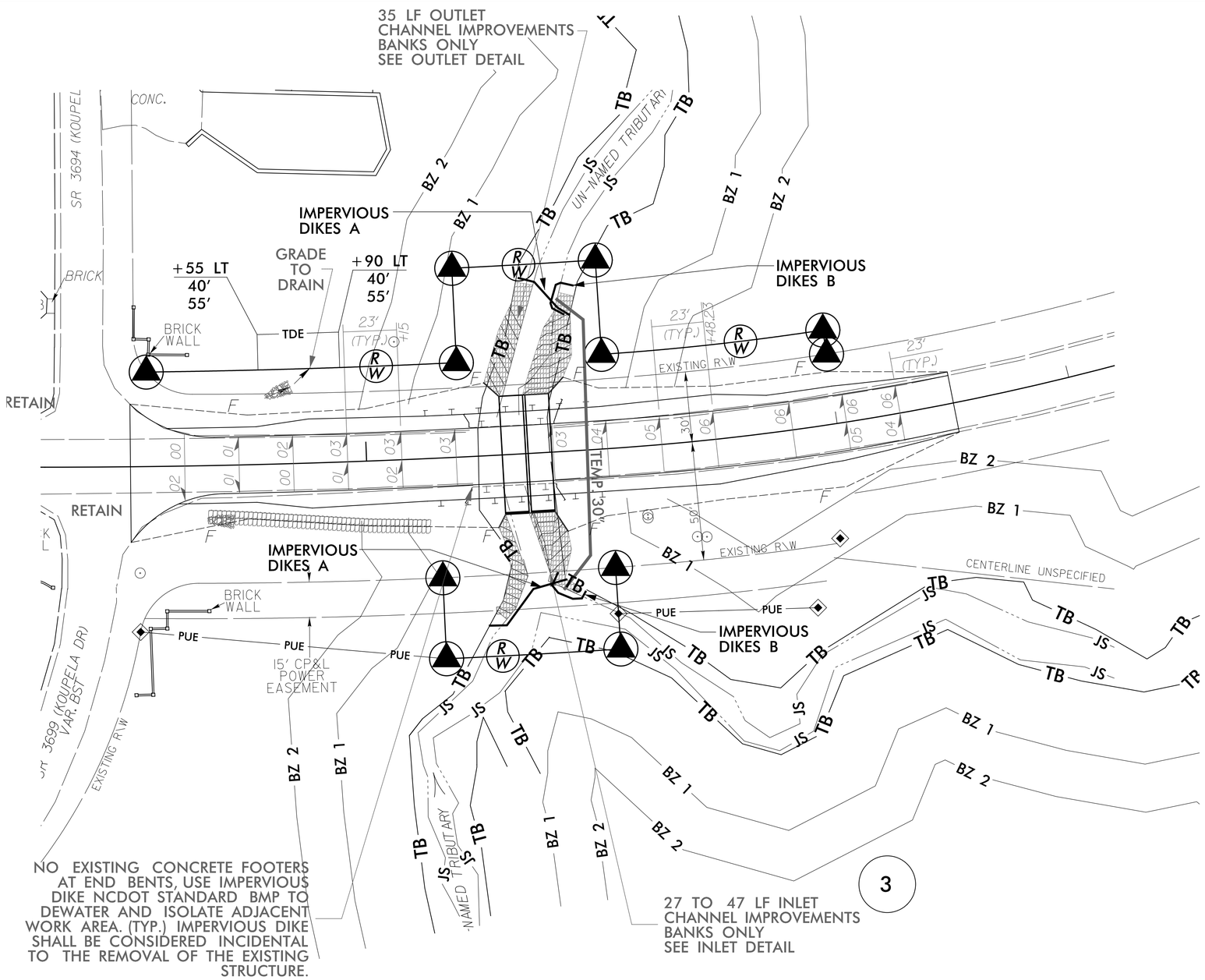
Prepared in the Office of:

MOTT MACDONALD
PO Box 700
Fuquay–Varina, NC 27526
www.mottmac.com

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

HORIZONTAL SCALE
25' 0 25' 50'

1. INSTALL 30" TEMPORARY PIPE (132 LF) AND IMPERVIOUS DIKES A (68 LF) AS SHOWN. DIVERT CHANNEL FLOW THROUGH THE TEMPORARY PIPE.
2. INSTALL SPECIAL STILLING BASIN (NCDOT STD. DRAWING 1630.06).
3. CONSTRUCT 2 @ 10' × 8' RCBC w/SILLS AND BEVELED INLET. UTILIZE SPECIAL STILLING BASIN.
4. CONSTRUCT UPSTREAM AND DOWNSTREAM CHANNEL IMPROVEMENTS. PLACE RIP RAP ON THE WEST SIDE UPSTREAM AND DOWNSTREAM CHANNEL IMPROVMENTS AND AS MUCH OF THE RIP RAP AS POSSIBLE ON THE EAST SIDE UPSTREAM AND DOWNSTREAM CHANNEL IMPROVEMENTS.
5. REMOVE IMPERVIOUS DIKES A AND TEMPORARY PIPE. DIRECT FLOW THROUGH NEWLY CONSTRUCTED CULVERTS.
6. INSTALL IMPERVIOUS DIKES B (48 LF). COMPLETE PLACEMENT OF THE EAST SIDE UPSTREAM AND DOWNSTREAM RIP RAP. UTILIZE SPECIAL STILLING BASIN.
7. REMOVE IMPERVIOUS DIKES B AND SPECIAL STILLING BASIN. CONSTRUCT PROPOSED ROADWAY.



$$DATE$$ $$$$$$SYSTIME$$$$$
J:\Hydro\DDC\Division_5_LIBR.2014\910027\Hydraulics\Erosion Control\cadd\910027_hyd_const_seq.dgn
ICA ENGINEERING, INC.