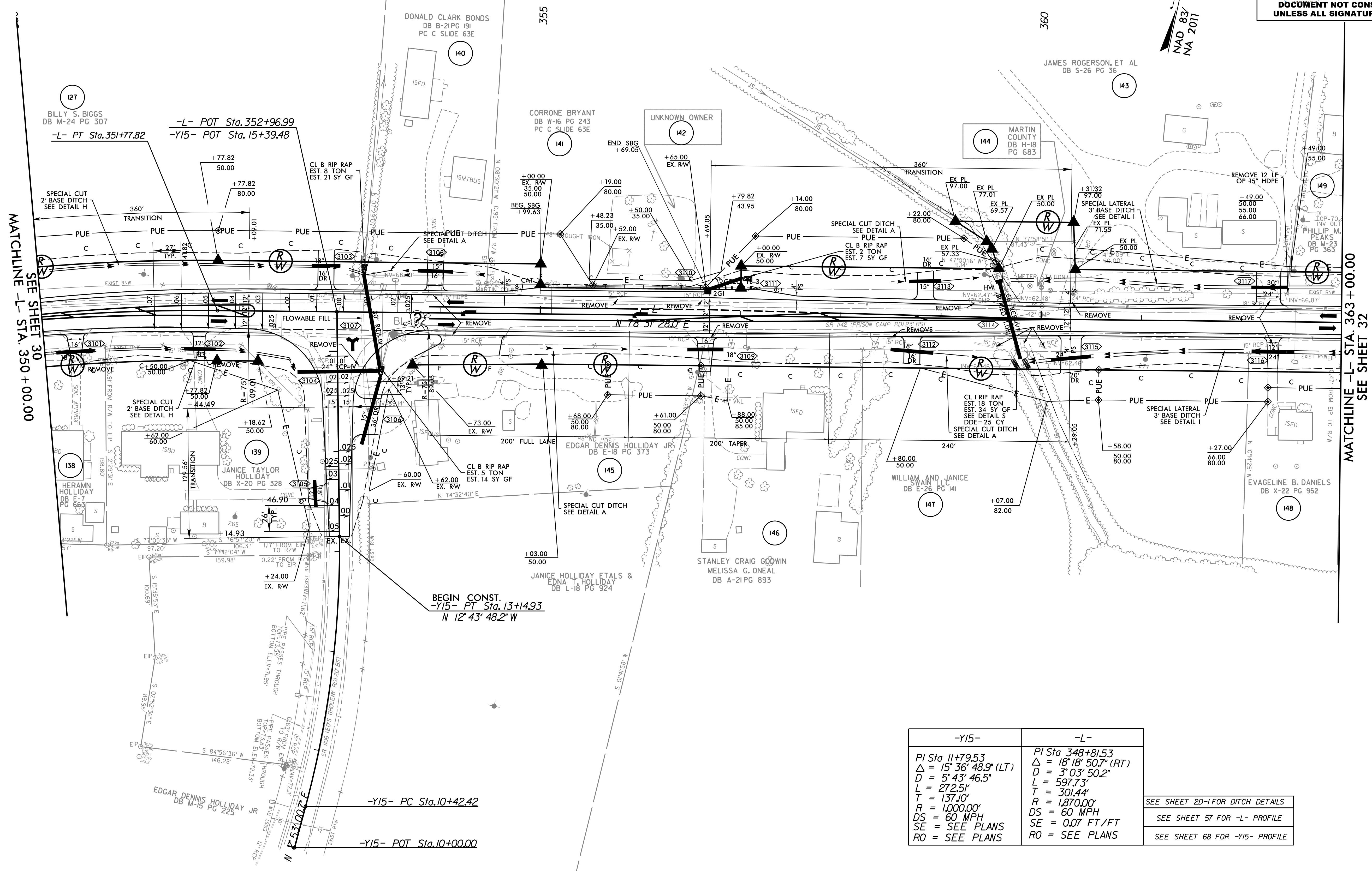
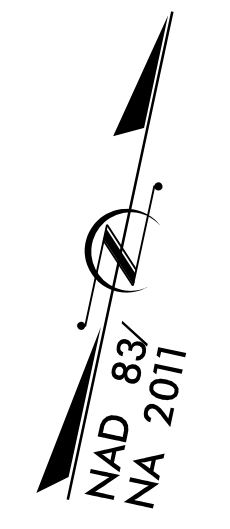


1223 Jones Franklin Rd.
Raleigh, N.C. 27606
License No. F-0377
Bus: 919 851 8077
Fax: 919 851 8107

TRANSPORTATION DESIGN/DESIGN - BRIDGE/STRUCTURE DESIGN
CIVIL/SITE DESIGN - GIS/GPS - CONSTRUCTION OBSERVATION

PROJECT REFERENCE NO. R-4705	SHEET NO. 31
RW SHEET NO.	HYDRAULICS ENGINEER 4/7/2022
ROADWAY DESIGN ENGINEER 4/7/2022	SEAL 21116
	SEAL 053425
	4/7/2022

**DOCUMENT NOT CONSIDERED FINAL
UNLESS ALL SIGNATURES COMPLETED**



REVISIONS

MATCHLINE -L- STA. 350 + 00.00
SEE SHEET 30

MATCHLINE -L- STA. 363 + 00.00
SEE SHEET 32

BEGIN CONST.
-Y15- PT Sta. 13+14.93
N 12° 43' 48.2" W

-Y15- PC Sta. 10+42.42
-Y15- POT Sta. 10+00.00

-Y15-	-L-
PI Sta 11+79.53	PI Sta 348+81.53
$\Delta = 15' 36" 48.9" (LT)$	$\Delta = 18' 18" 50.7" (RT)$
$D = 5' 43" 46.5"$	$D = 3' 03" 50.2"$
$L = 272.5'$	$L = 597.73'$
$T = 137.10'$	$T = 301.44'$
$R = 1,000.00'$	$R = 1,870.00'$
$DS = 60 MPH$	$DS = 60 MPH$
$SE = SEE PLANS$	$SE = 0.07 FT/FT$
$RO = SEE PLANS$	$RO = SEE PLANS$

SEE SHEET 2D-1 FOR DITCH DETAILS
SEE SHEET 57 FOR -L- PROFILE
SEE SHEET 68 FOR -Y15- PROFILE