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PROJECT REFERENCE NO. R-3100B		SHEET NO. 15
RW SHEET NO.		
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER	HYDRAULICS ENGINEER
THIS DOCUMENT ORIGINALLY ISSUED AND SEALED BY: MISHA D. BUSCEMI PE 037863 ON APRIL 27, 2017 THIS MEDIA SHALL NOT BE CONSIDERED A CERTIFIED DOCUMENT.		
DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED		For Revision Only

REVISIONS
 DATE: 3/18/2020 - CONSTRUCTION REVISION - EXTENDED CURB & GUTTER -Y12- BACK TO 12+46.96 AND ADDED 15' RCP-Y AT -Y12- 12+77.6;
 3/18/2020 - R/W REVISION - ADDED PERMANENT DRAINAGE EASEMENT AND TEMPORARY CONSTRUCTION EASEMENT ON PARCEL 98Z

-L-
 PI Sta 165+32.27
 $\Delta = 21' 06" 08.2"$ (LT)
 $D = 0' 52" 53.3"$
 $L = 2,393.98'$
 $T = 1,210.71'$
 $R = 6,500.00'$
 $e = RC$
 Runoff = 72'

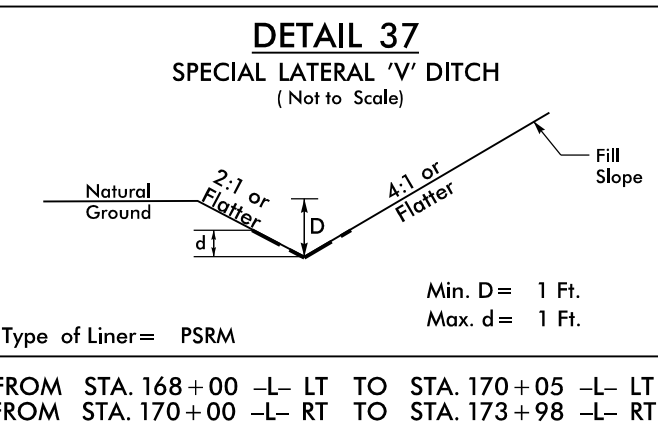
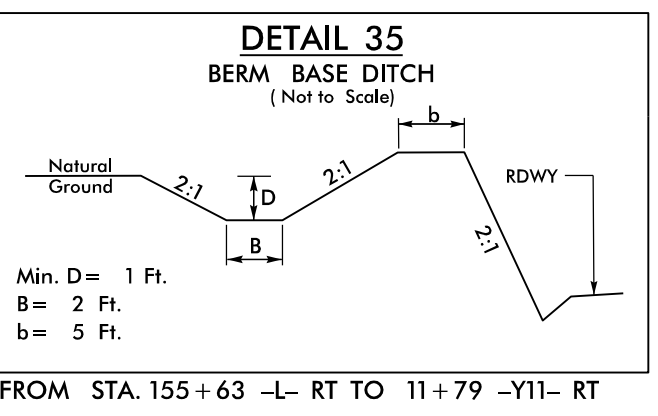
-Y11-
 PI Sta 11+06.23
 $\Delta = 27' 19" 32.6"$ (LT)
 $D = 19' 05" 54.9"$
 $L = 143.09'$
 $T = 72.93'$
 $R = 300.00'$
 $e = RC$
 Runoff = 46'

-Y12-
 PI Sta 12+47.18
 $\Delta = 18' 13" 21.6"$ (RT)
 $D = 4' 48" 53.2"$
 $L = 378.47'$
 $T = 190.85'$
 $R = 1,900.00'$
 $e = 7\%$
 Runoff = 168'

PI Sta 17+23.40
 $\Delta = 54' 54" 37.5"$ (LT)
 $D = 26' 02" 36.7"$
 $L = 210.84'$
 $T = 114.31'$
 $R = 220.00'$
 $e = 3\%$
 Runoff = 72'

2016 AVERAGE TRAFFIC DIAGRAM
 2036 DAILY TRAFFIC

-Y12- BALLS CREEK RD		-Y11- PROVIDENCE MILL RD	
3,852	5,481	3,852	5,481
2,007	2,526	419	715
13,044	1,907	519	10,067
20,156	2,426	815	16,733



PAVEMENT REMOVAL
 FOR -L- PROFILE SEE SHEET 23
 FOR -Y11- PROFILE SEE SHEET 27
 FOR -Y12- PROFILE SEE SHEET 27
 FOR CONC. MONO-ISLAND DETAIL SEE SHEET 2B-2
 CONTAMINATED AREAS WILL BE HANDLED BY THE
 NCDOT GEOENVIRONMENTAL UNIT

PROPOSED SIGNAL

3/18/2020
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