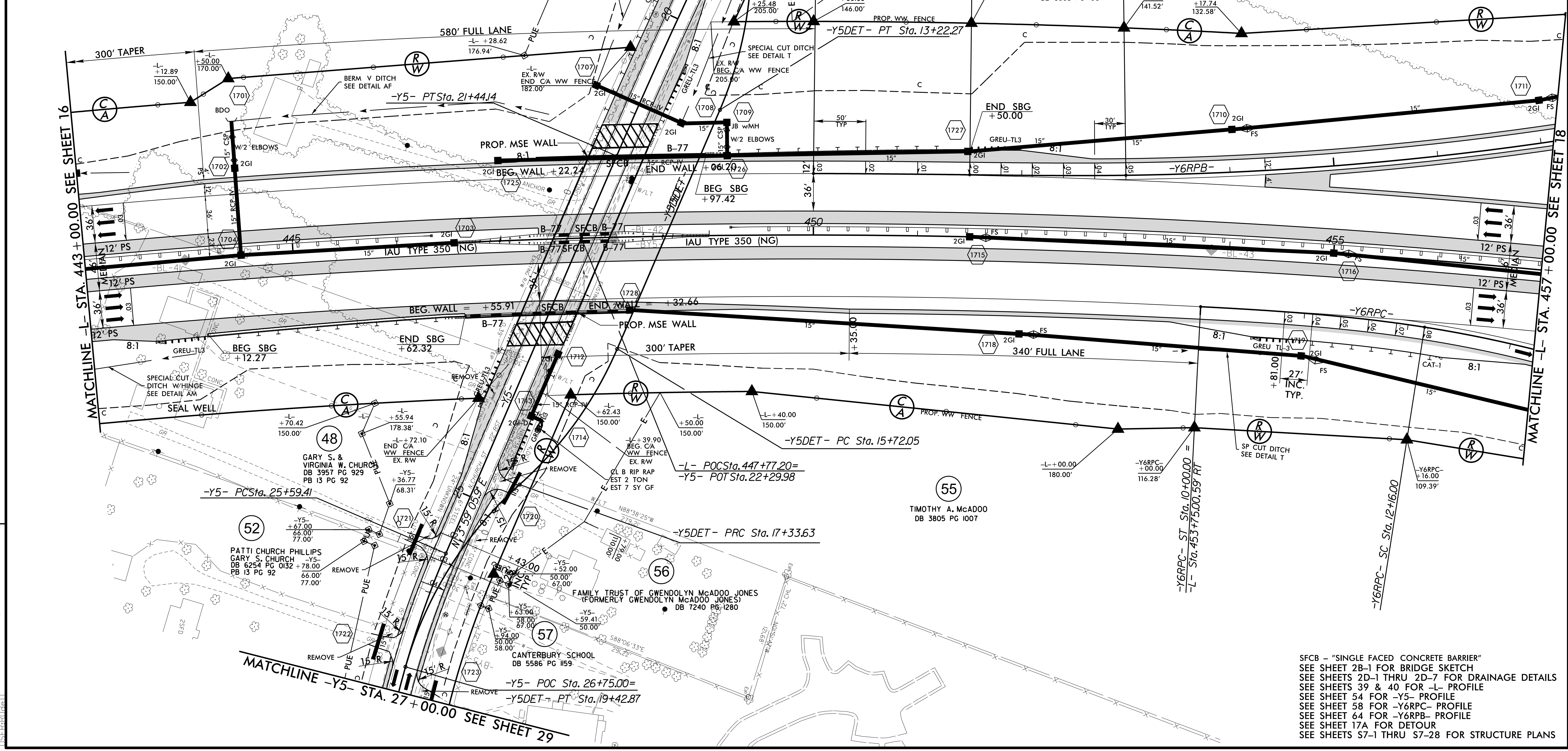


WETHERILL ENGINEERING
 1223 Jones Franklin Road
 Raleigh, N.C. 27606
 License No. F-0377
 Bus: 919 851 8077
 Fax: 919 851 8107

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

PROJECT REFERENCE NO. U-2525C	SHEET NO. 17
ROADWAY DESIGN ENGINEER 1/8/2018 North Carolina Professional Engineer SEAL 21116 E. R. May	HYDRAULICS ENGINEER 1/10/2018 North Carolina Professional Engineer SEAL 23993 Major S. Price
DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED	
(U-2525C) -L- & N. CHURCH ST.	
(2018) ADT (2040) ADT	N. CHURCH ST. 14475 19200
60030 93600	60030 93600
TRAFFIC BASED ON COMPLETE BUILD-OUT (U-2525BC, U-2525D, & U-2524)	

-L-		-Y6RPB-		
PIs Sta 435+13.54 $\Delta s = 0' 45" 50.2"$ $Ls = 200.00'$ $LT = 133.33'$ $ST = 66.67'$	PIs Sta 469+05.74 $\Delta = 47' 49" 31.4" (RT)$ $D = 0' 45" 50.2"$ $L = 6,260.33'$ $T = 3,325.53'$ $R = 7,500.00'$ $SE = .03$	PIs Sta 10+50.00 $s = 0' 34" 06.5"$ $Ls = 150.00'$ $LT = 100.00'$ $ST = 50.00'$	PIs Sta 12+50.00 $\Delta s = 1' 23" 10.3"$ $Ls = 150.00'$ $LT = 100.00'$ $ST = 50.00'$	PIs Sta 16+71.13 $\Delta = 13' 39" 13.3" (LT)$ $D = 1' 50" 53.7"$ $L = 738.74'$ $T = 371.13'$ $R = 3,100.00'$ $SE = .05$ $DS = 60mph$
-Y5-				
PIs Sta 19+96.46 $\Delta = 3' 12" 21.5" (LT)$ $D = 1' 05" 06.5"$ $L = 295.44'$ $T = 147.76'$ $R = 5,280.00'$ $SE = RC$ $DS = 50 MPH$	PIs Sta 27+08.79 $\Delta = 18' 50" 52.1" (LT)$ $D = 6' 21" 58.3"$ $L = 296.06'$ $T = 149.38'$ $R = 900.00'$ $SE = 04$ $DS = 45 MPH$			
-Y6RPC-				
PIs Sta 11+34.09 $\Delta s = 0' 49" 50.4"$ $\Delta s = 5' 09" 27.2"$ $Ls = 216.00'$ $LT = 134.09'$ $ST = 82.08'$	PIs Sta 15+61.46 $\Delta = 32' 07" 13.8" (RT)$ $D = 4' 46" 28.7"$ $L = 672.73'$ $T = 345.46'$ $R = 1,200.00'$ $SE = .08$ $DS = 60mph$			



SFCB - "SINGLE FACED CONCRETE BARRIER"
 SEE SHEET 2B-1 FOR BRIDGE SKETCH
 SEE SHEETS 2D-1 THRU 2D-7 FOR DRAINAGE DETAILS
 SEE SHEETS 39 & 40 FOR -L- PROFILE
 SEE SHEET 54 FOR -Y5- PROFILE
 SEE SHEET 58 FOR -Y6RPC- PROFILE
 SEE SHEET 64 FOR -Y6RPB- PROFILE
 SEE SHEET 17A FOR DETOUR
 SEE SHEETS S7-1 THRU S7-28 FOR STRUCTURE PLANS

REVISIONS

12/27/2017 U-2525C-rdy-psh-17.dgn