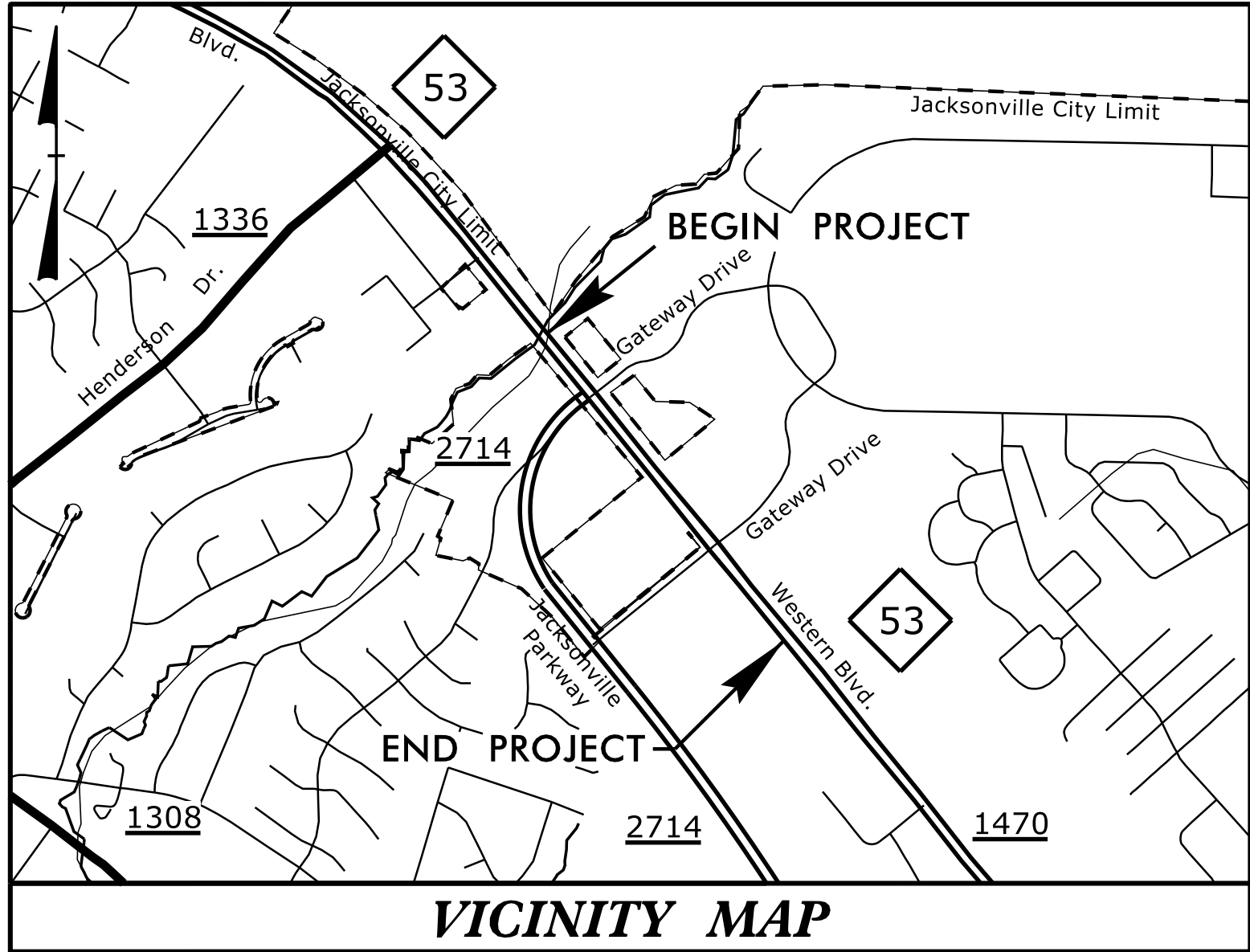


09.08/19
11/9/2017
G:\Projects\15916\DESIGN\03_CADD\PLANS\15916_XP_tsh_01.dgn
DAVENPORT\DAVENPORT\WORLD

TIP PROJECT: U-5789

CONTRACT: D3POC0045

See Sheet I-B For Conventional Plan Sheet Symbols



VICINITY MAP

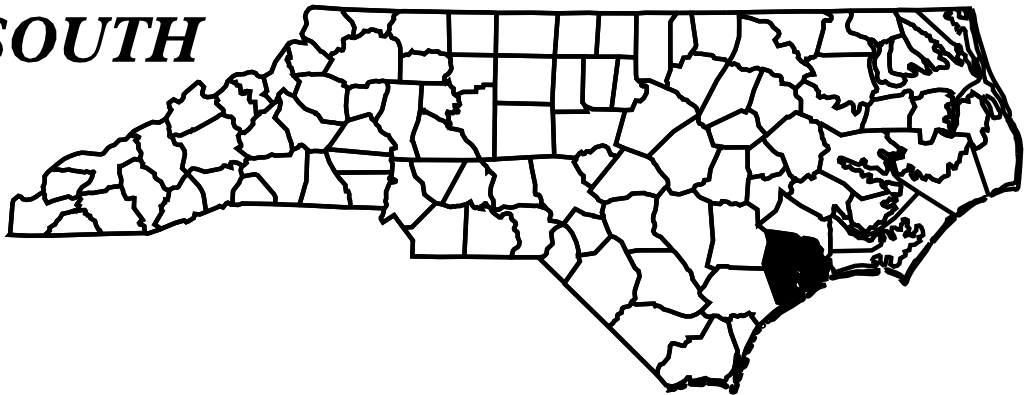
ROW SUBMITTAL

STATE OF NORTH CAROLINA
DIVISION OF HIGHWAYS

ONSLOW COUNTY

LOCATION: JACKSONVILLE - NC 53 (WESTERN BOULEVARD)
AT SR 2714 (JACKSONVILLE PARKWAY) / GATEWAY DR. NORTH/SOUTH

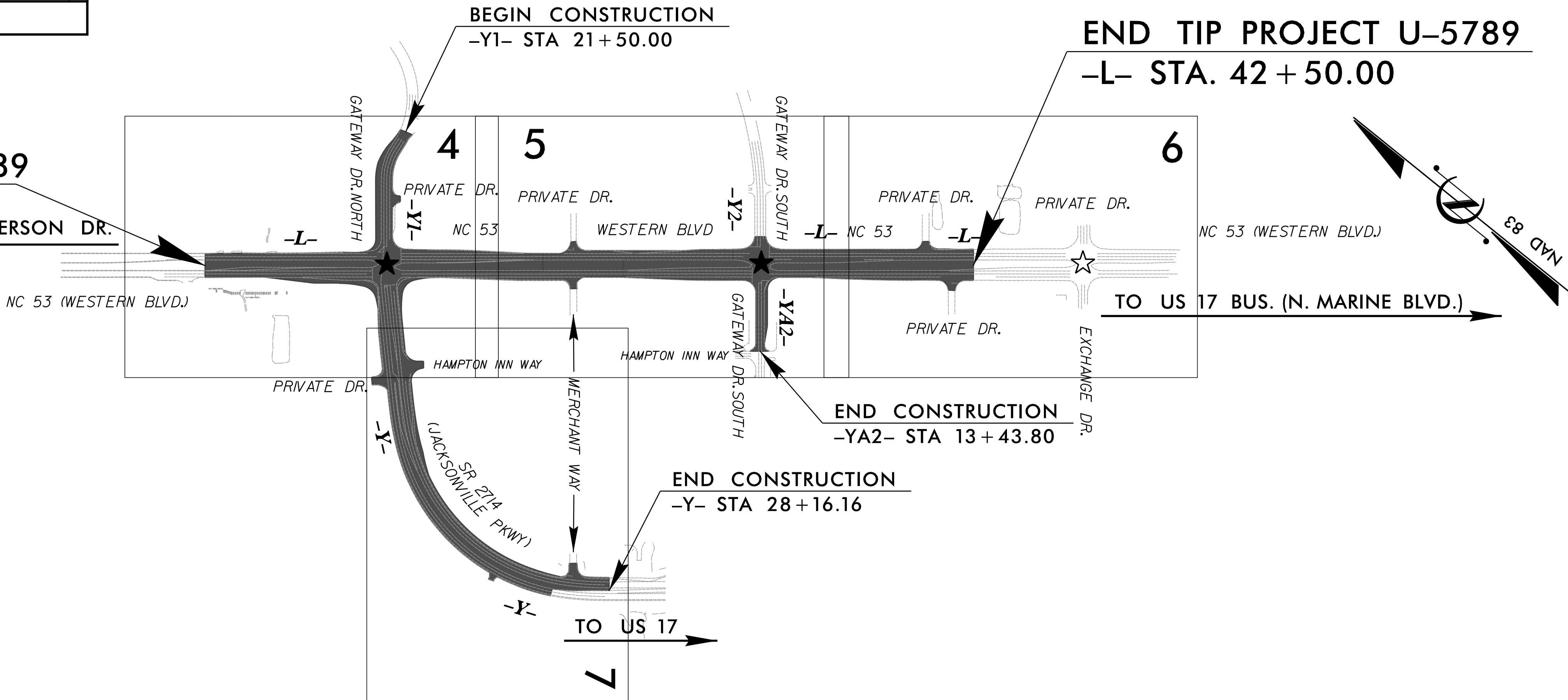
TYPE OF WORK: WIDENING, GRADING, DRAINAGE, PAVING, RESURFACING,
AND SIGNALS



STATE	STATE PROJECT REFERENCE NO.	SHEET NO.	TOTAL SHEETS
N.C.	U-5789	1	
STATE PROJ. NO.	F.A. PROJ. NO.	DESCRIPTION	
44361.1.1	N/A	PE	
44361.2.1	N/A	ROW & UTIL	
44361.3.1	N/A	CONST.	

BEGIN TIP PROJECT U-5789
-L- STA. 11 + 50.00

TO HENDERSON DR.

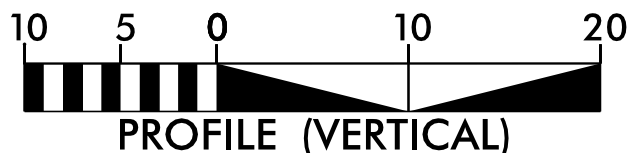
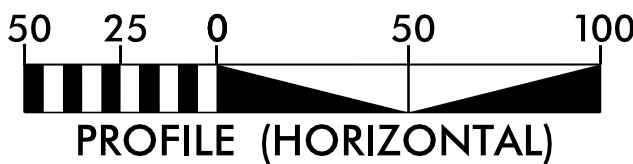


THIS IS NOT A CONTROL OF ACCESS PROJECT
THIS PROJECT IS WITHIN THE JACKSONVILLE MUNICIPAL BOUNDARIES.
CLEARING ON THIS PROJECT SHALL BE PERFORMED TO THE LIMITS ESTABLISHED BY METHOD III MODIFIED.

- ★ EXISTING SIGNAL TO BE UPGRADED
- ☆ EXISTING SIGNAL TO BE RETAINED

DOCUMENT NOT CONSIDERED FINAL
UNLESS ALL SIGNATURES COMPLETED

GRAPHIC SCALES



DESIGN DATA

ADT 2019 = 41500
ADT 2040 = 52000
DHV = 10 %
D = 60 %
T = 2 % *
V = 50 MPH
* TTST 1% + DUAL 1%
FUNC CLASS =
MINOR URBAN ARTERIAL
REGIONAL TIER

PROJECT LENGTH

LENGTH ROADWAY TIP PROJECT U-5728 = 0.568 MILES
LENGTH STRUCTURE TIP PROJECT U-5728 = 0.000 MILES
TOTAL LENGTH OF TIP PROJECT U-5728 = 0.568 MILES



Prepared for the North Carolina Department
of Transportation in the Office of:
HOME OFFICE
305 WEST FOURTH STREET, SUITE 2A
WINSTON-SALEM, NC 27101
336.744.1636 www.davenportnc.com
NCBELS FIRM LICENSE NO. C-2622

2012 STANDARD SPECIFICATIONS

RIGHT OF WAY DATE:
NOVEMBER 9, 2017

LETTING DATE:
SEPTEMBER 5, 2019

NCDOT CONTACT:

DANIEL R. CUMBO, PE
PROJECT ENGINEER

DAVIN B. WALLACE, PE
PROJECT DESIGN ENGINEER

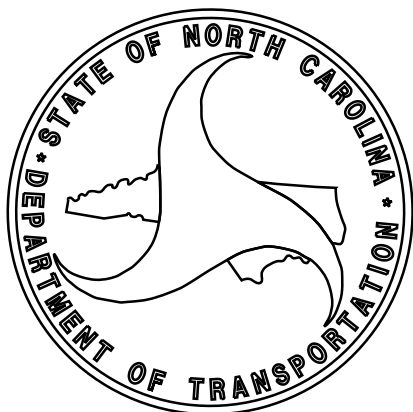
TRACE HOWELL
DIVISION 3 CONTACT

HYDRAULICS ENGINEER

SIGNATURE: _____ P.E.

ROADWAY DESIGN
ENGINEER

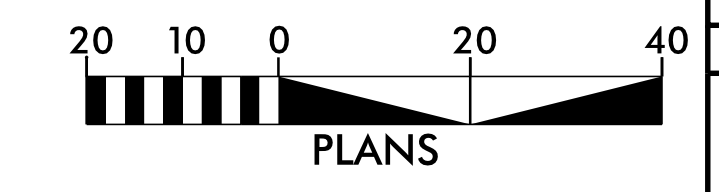
SIGNATURE: _____ P.E.



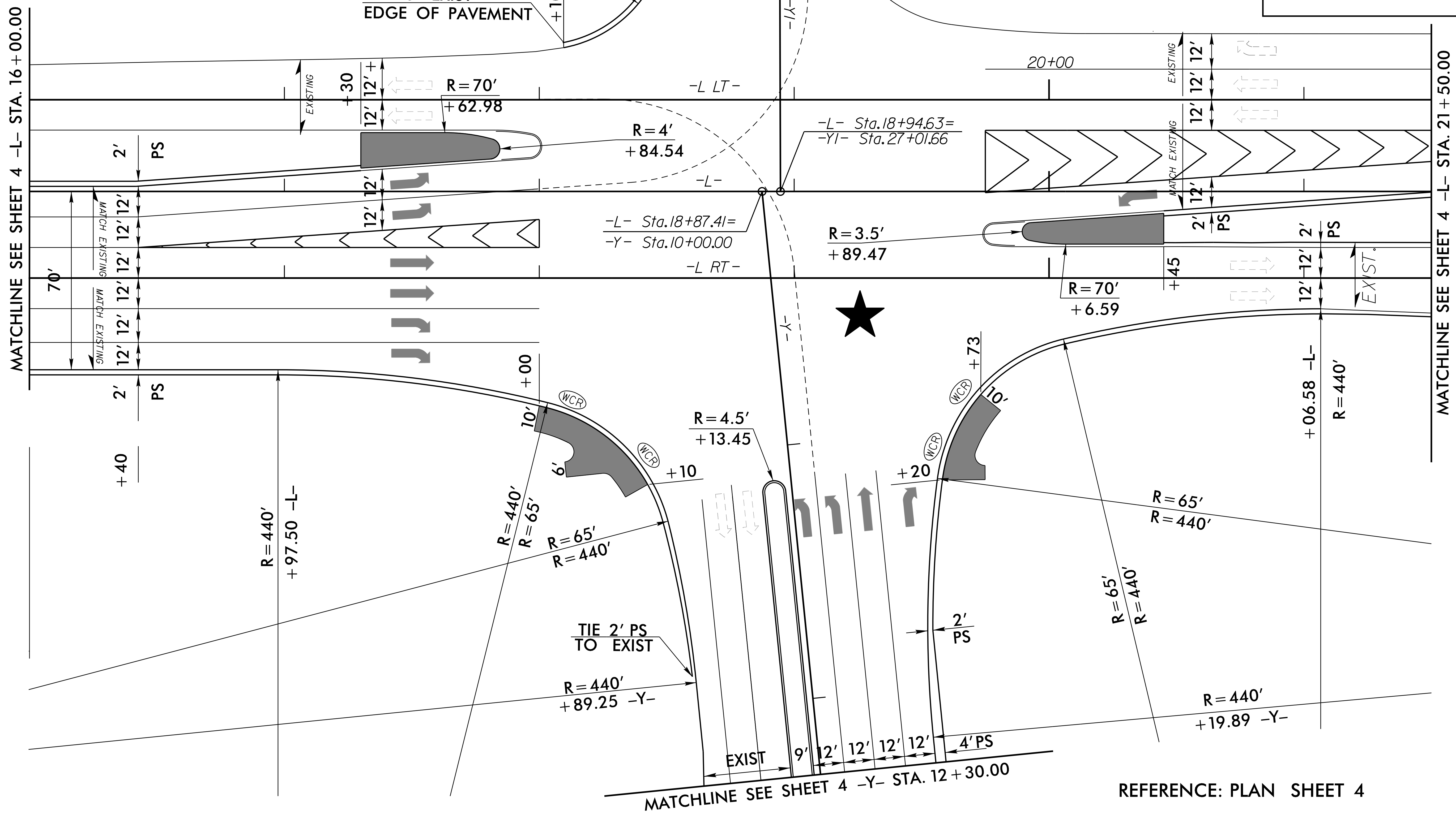
8/17/99
11/9/2017
C:\P\15916\DESIGN\03_CADD\PLANS\15916_XP_psh_2B1.dgn
DAVENPORT

INTERSECTION DETAIL US 17 AT GATEWAY DR. NORTH

MATCHLINE SEE SHEET 4 -Y1- STA. 25 + 40.00

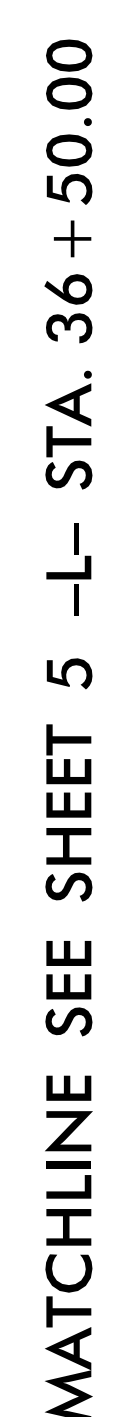


PROJECT REFERENCE NO. U-5789		SHEET NO. 2B-1
INTERSECTION DETAIL		
ROADWAY DESIGN ENGINEER	HYDRAULIC DESIGN ENGINEER	
DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED		
DAVENPORT HOME OFFICE 305 WEST FOURTH STREET, SUITE 2A WINSTON-SALEM, NC 27101 336.744.1636 www.davenportworld.com NCBELS FIRM LICENSE NO. C-2622		



REFERENCE: PLAN SHEET 4

DAVENPORT
HOME OFFICE
305 WEST FOURTH STREET, SUITE 2A
WINSTON-SALEM, NC 27101
336.744.1636 www.davenportworld.com
NCBELS FIRM LICENSE NO. C-2522

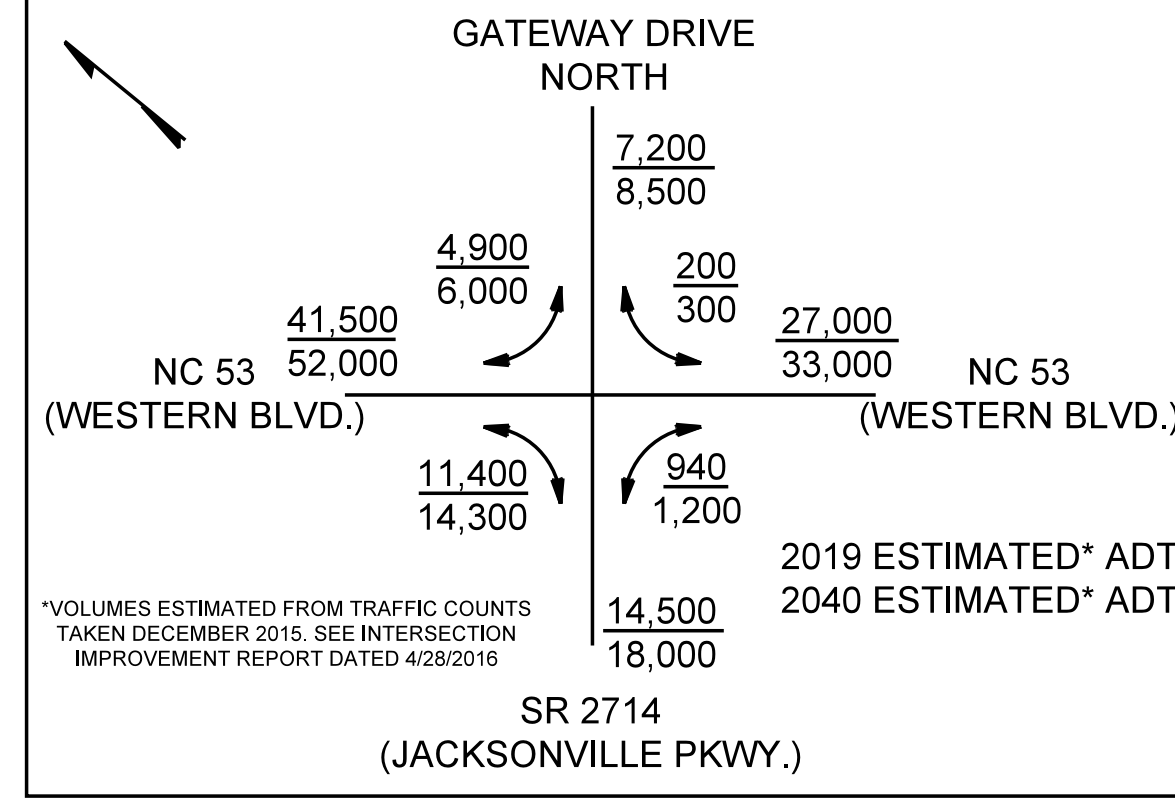
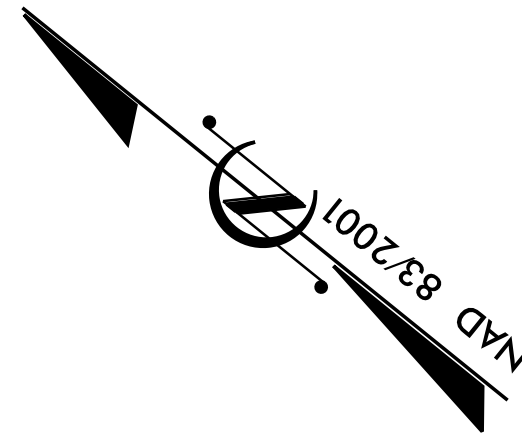


REFERENCE: PLAN SHEET 5

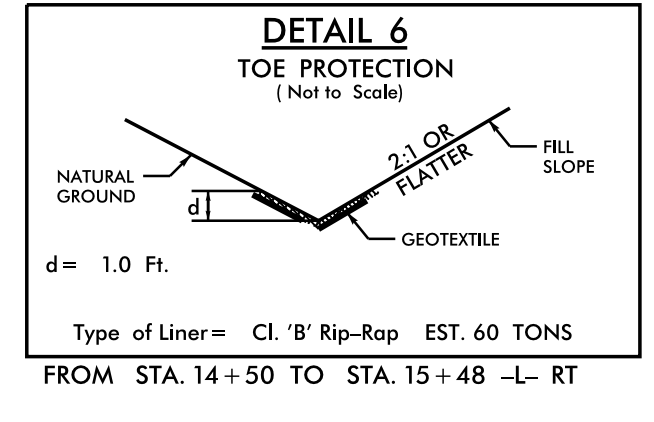
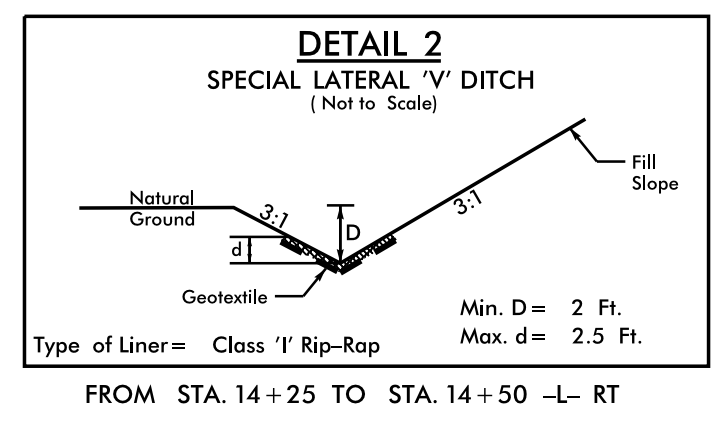
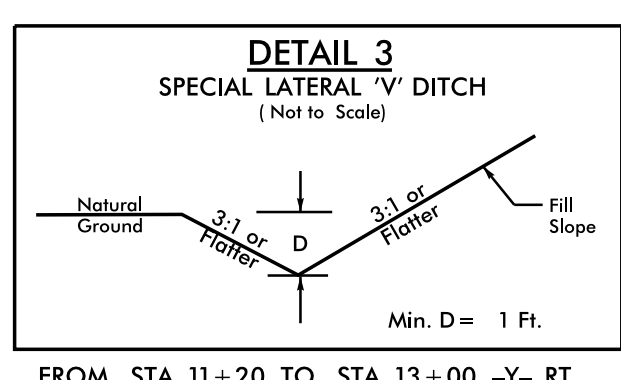
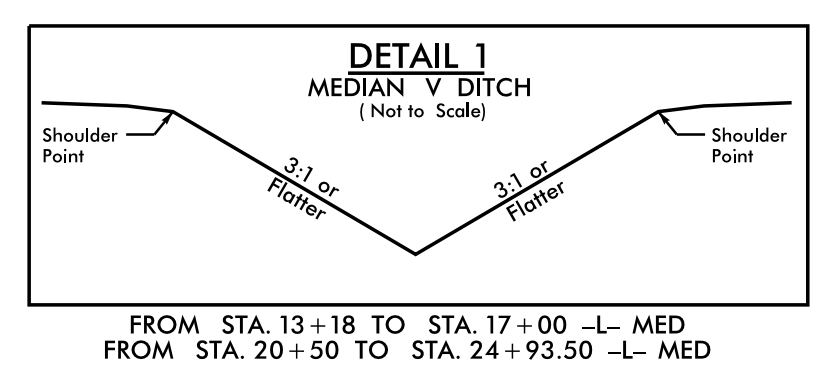
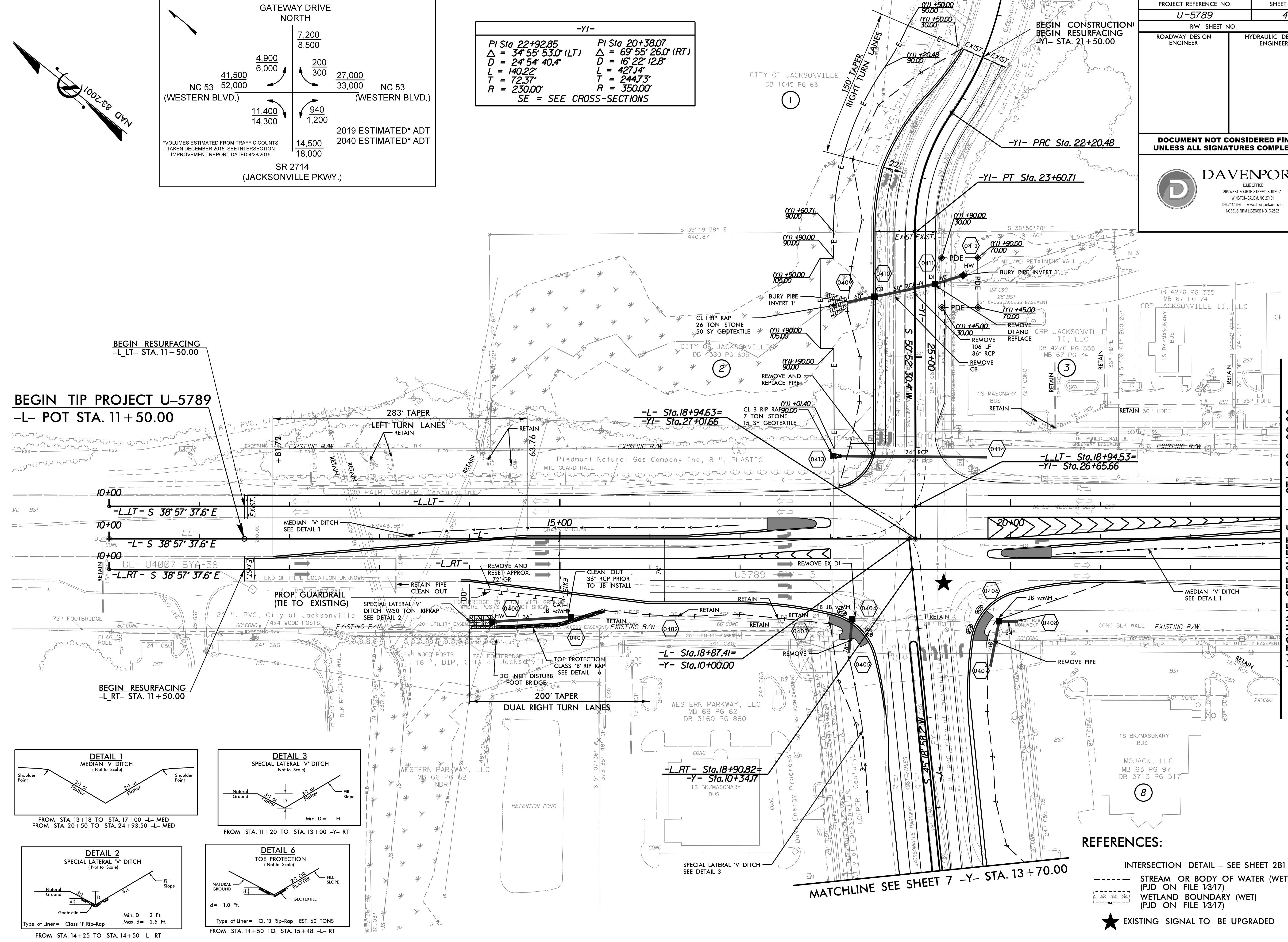
18/17/99

REVISIONS
12/13/2017 R/W REVISION: PROPOSED R/W & PDE FOR PARCELS 1 & 2 CHANGED TO TCE.(DBW)

12/13/2017
15916\RD\DESIGN\03_CADD\PLANS\15916_XP_PSH_04.dgn
DAVENPORT



-YI-	
PI Sta 22+92.85	PI Sta 20+38.07
$\Delta = 34^{\circ}55'53.0"$ (LT)	$\Delta = 69^{\circ}55'26.0"$ (RT)
$D = 24^{\circ}54'40.4"$	$D = 16^{\circ}22'12.8"$
$L = 140.22'$	$L = 427.14'$
$T = 72.37'$	$T = 244.73'$
$R = 230.00'$	$R = 350.00'$
SE = SEE CROSS-SECTIONS	



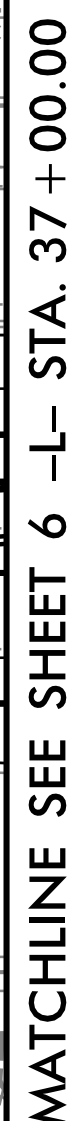
- REFERENCES:
- INTERSECTION DETAIL - SEE SHEET 2B1
 - STREAM OR BODY OF WATER (WET) (PJD ON FILE 1/3/17)
 - WETLAND BOUNDARY (WET) (PJD ON FILE 1/3/17)
 - ★ EXISTING SIGNAL TO BE UPGRADED

PROJECT REFERENCE NO. U-5789		SHEET NO. 4	
RW SHEET NO.		HYDRAULIC DESIGN ENGINEER	
ROADWAY DESIGN ENGINEER		HYDRAULIC DESIGN ENGINEER	
DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED			
 DAVENPORT HOME OFFICE 305 WEST FOURTH STREET, SUITE 2A WINSTON-SALEM, NC 27101 336.744.1698 www.davenportinc.com NCBES FIRM LICENSE NO. C-2022			

MATCHLINE SEE SHEET 5 -L- STA. 23+00.00

MATCHLINE SEE SHEET 7 -Y- STA. 13+70.00

8/22/2018 Duane Brock: Ravenpelt's Business Ethics and the Business Case for Sustainability

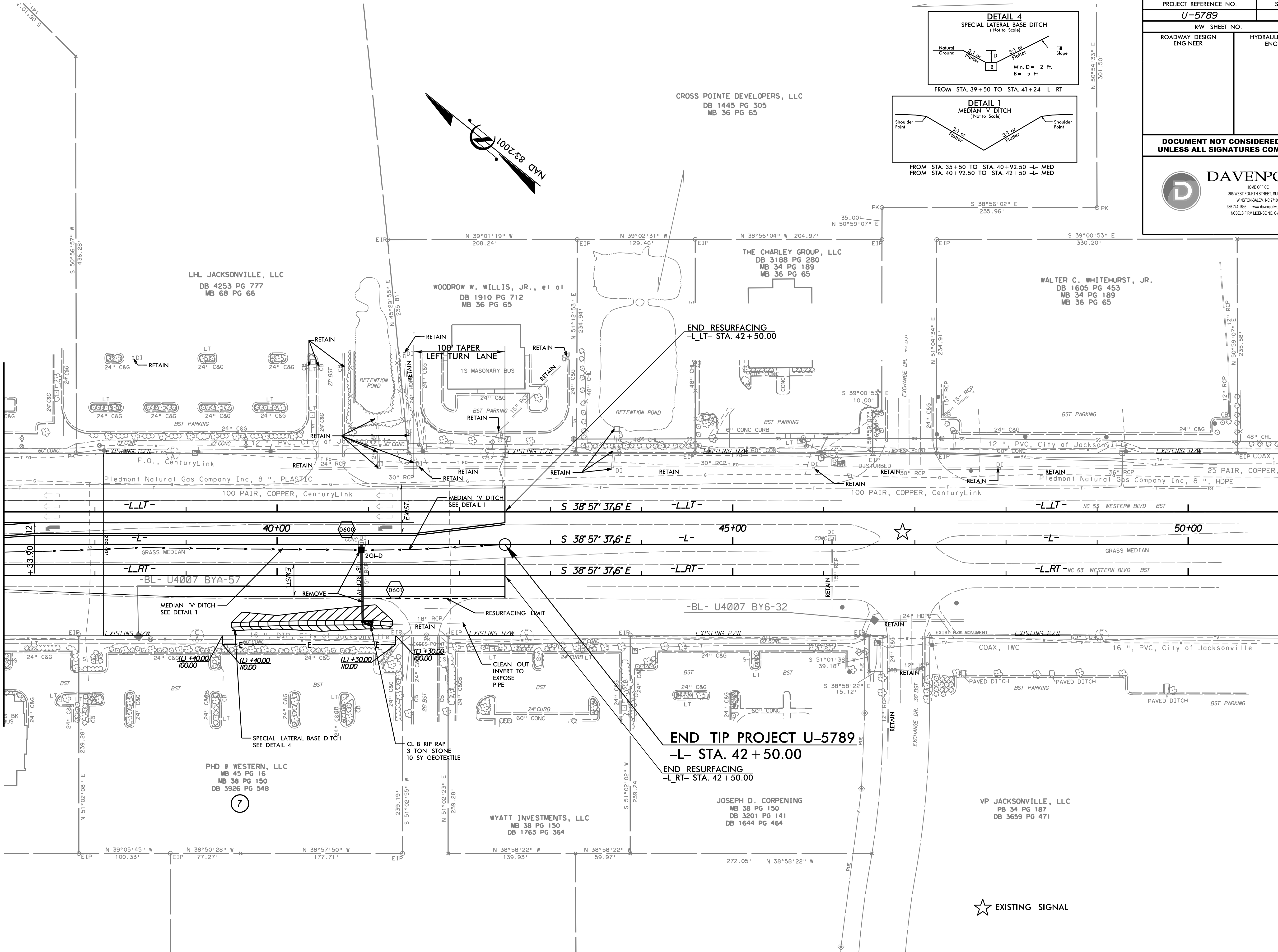


REFERENCES:
INTERSECTION DETAIL – SEE SHEET 2B2

★ EXISTING SIGNAL
TO BE UPGRADED

8/17/99
10/9/2017
D:\P\Projects\15916\DESIGN\03_CADD\PLANS\15916_XP_PSH_06.dgn
DAVENPORT

MATCHLINE SEE SHEET 5 -L- STA. 37+00.00

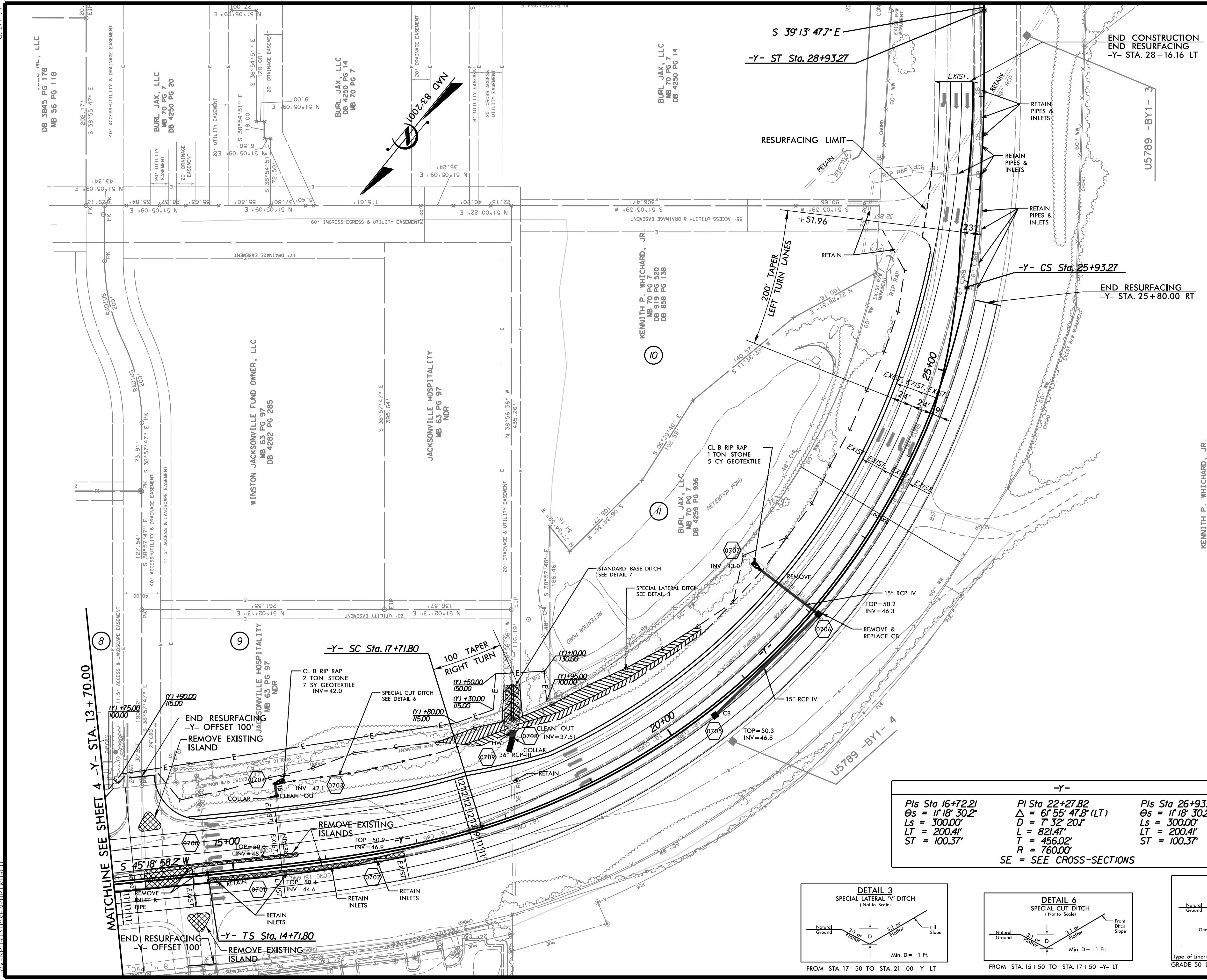


★ EXISTING SIGNAL

PROJECT REFERENCE NO. U-5789		SHEET NO. 6
RW SHEET NO.		
ROADWAY DESIGN ENGINEER	HYDRAULIC DESIGN ENGINEER	
DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED		
DAVENPORT HOME OFFICE 305 WEST FOURTH STREET, SUITE 2A WINSTON-SALEM, NC 27101 336.744.1698 www.davenportinc.com NCBES FIRM LICENSE NO. C-2022		

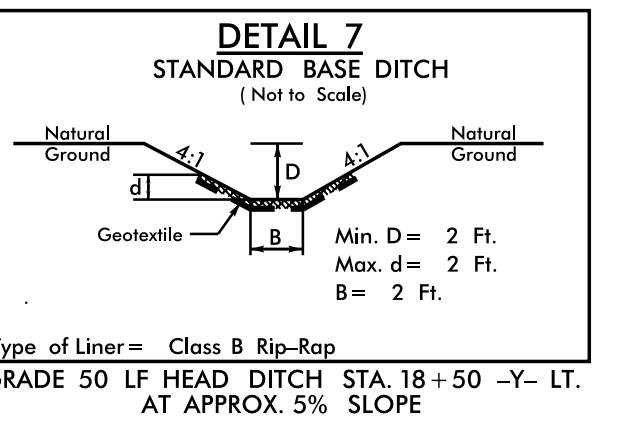
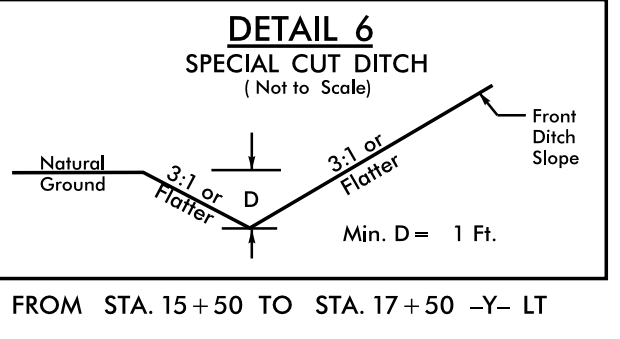
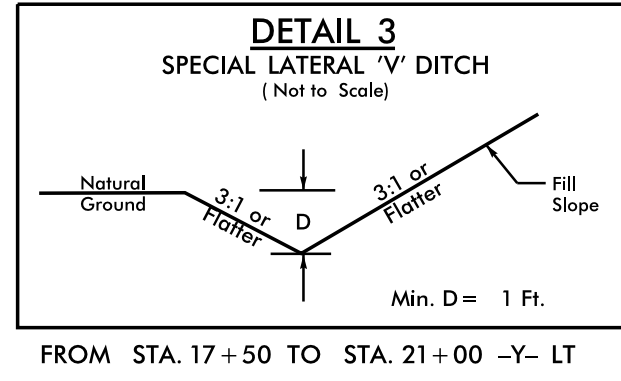
8/17/99

4/3/2018
G:\Projects\15916\DESIGN\03_CADD\PLANS\15916_XP_PSH_07.dgn
DAVENPORT



PROJECT REFERENCE NO.		SHEET NO.	
U-5789		7	
RW SHEET NO.			
ROADWAY DESIGN ENGINEER		HYDRAULIC DESIGN ENGINEER	
DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED			
DAVENPORT HOME OFFICE 305 WEST FOURTH STREET, SUITE 2A WINSTON-SALEM, NC 27101 336.744.1636 www.davenportnc.com NCBES FIRM LICENSE NO. C-2022			

-Y-		
Pls Sta 16+72.21	Pl Sta 22+27.82	Pls Sta 26+93.64
Os = 11°18'30.2"	Δ = 61°55'47.8" (LT)	Os = 11°18'30.2"
Ls = 300.00'	D = 7°32'20.5"	Ls = 300.00'
LT = 200.41'	L = 821.47'	LT = 200.41'
ST = 100.37'	T = 456.02'	ST = 100.37'
	R = 760.00'	
SE = SEE CROSS-SECTIONS		



Type of Liner = Class B Rip-Rap
GRADE 50 LF HEAD DITCH STA. 18+50 -Y- LT.
AT APPROX. 5% SLOPE