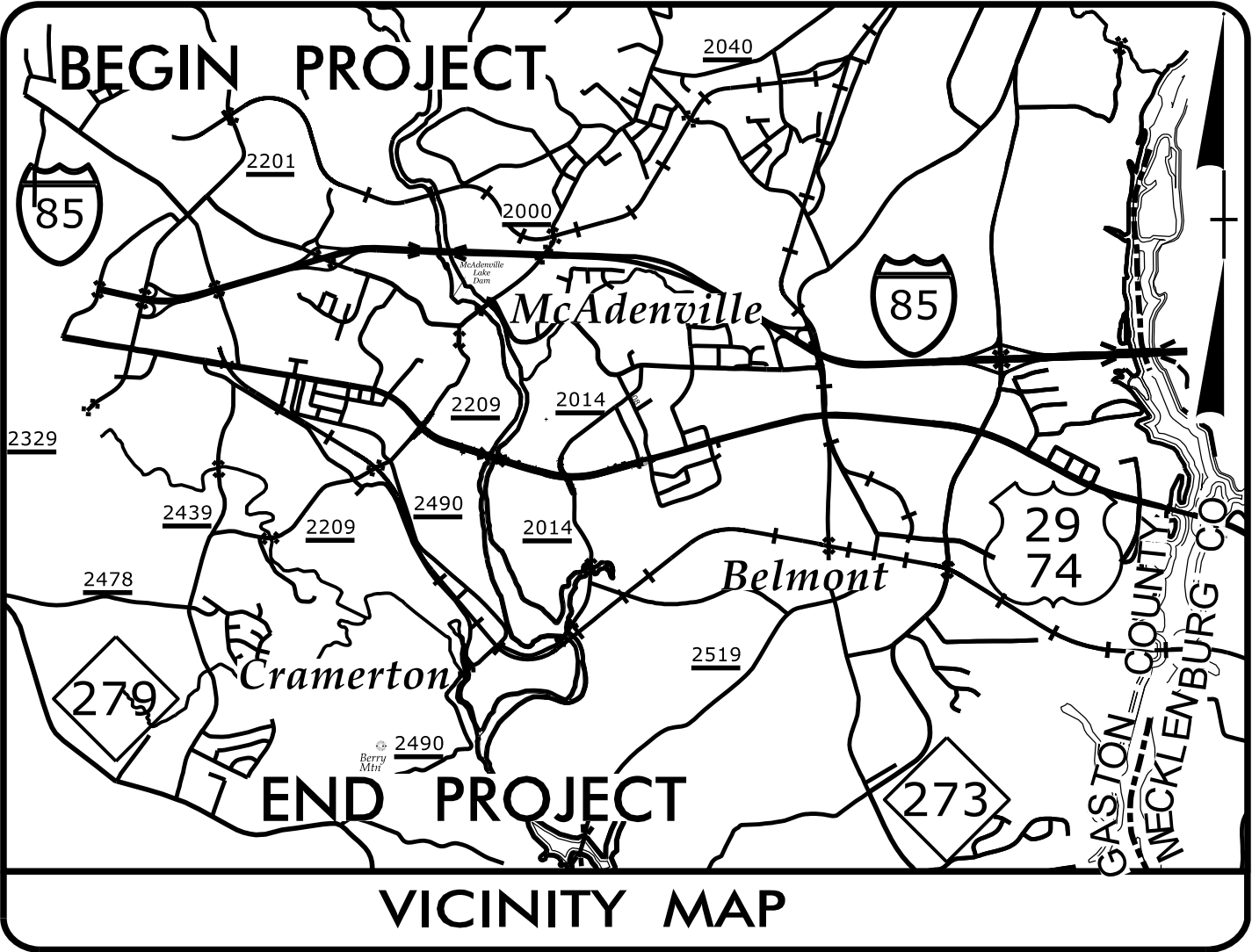


09/08/2011

TIP PROJECT: U-6146-B-5857



STATE OF NORTH CAROLINA
DIVISION OF HIGHWAYS

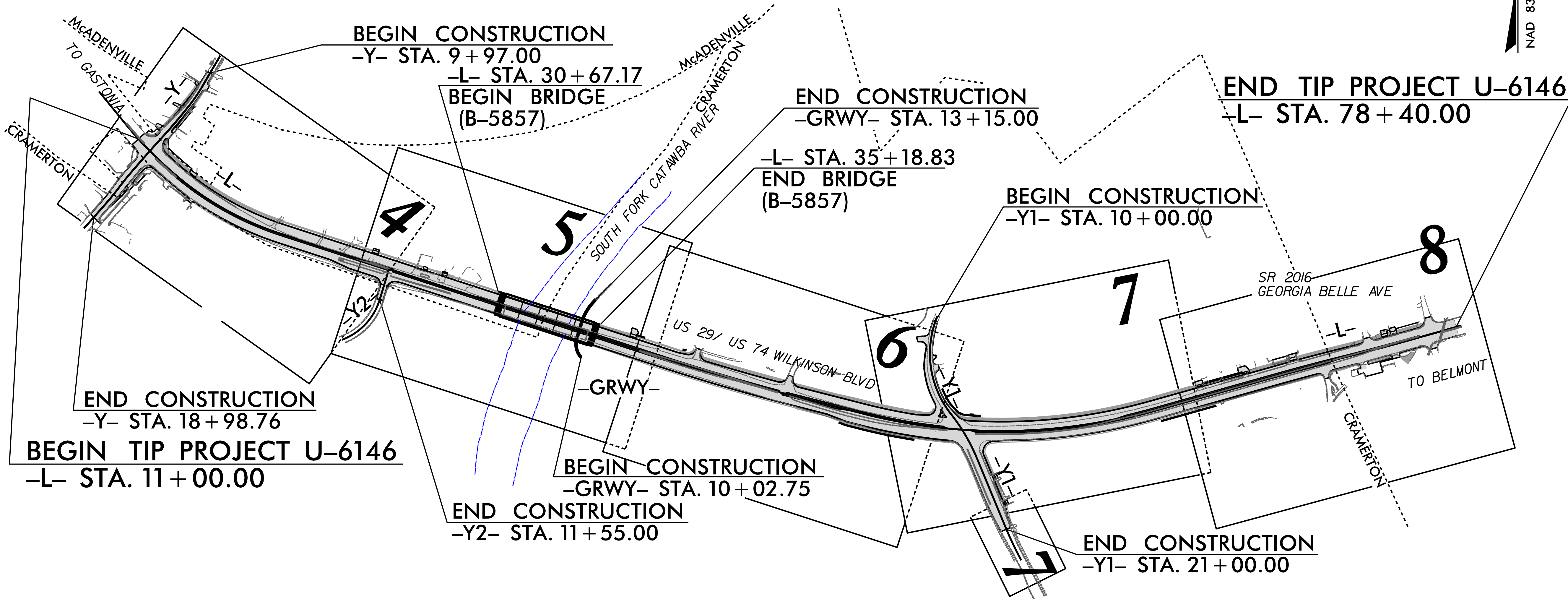
UTILITIES BY OTHERS PLANS
GASTON COUNTY

LOCATION: US 29/US 74 (WILKINSON BLVD) FROM SR 2209
(WESLEYAN DR/MARKET ST) TO SR 2016/SR 2017
(GEORGIA BELLE AVE/HUBBARD ST) COMBINED
WITH B-5857.

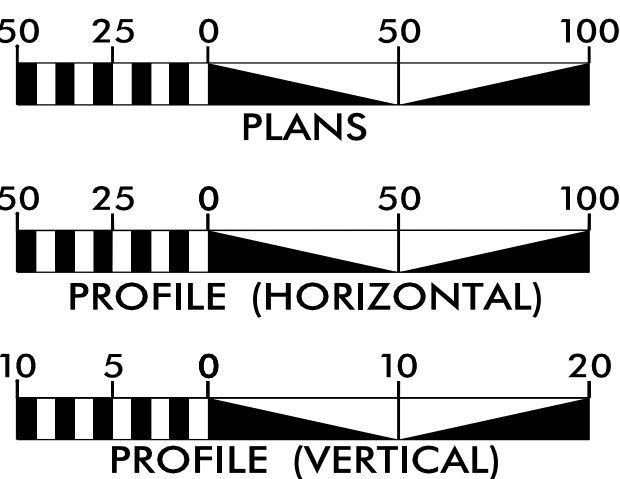
TYPE OF WORK: POWER DISTRIBUTION, TELECOMMUNICATIONS, CATV & NATURAL GAS

T.I.P. NO.	SHEET NO.
U-6146/B-5857	UO-1

NOTE:
ALL UTILITY WORK SHOWN ON THIS
SHEET WILL BE DONE BY OTHERS.
NO PAYMENT WILL BE MADE TO
THE CONTRACTOR FOR UTILITY WORK
SHOWN ON THIS SHEET.



GRAPHIC SCALES



INDEX OF SHEETS

SHEET NO.:	DESCRIPTION:
UO-1	TITLE SHEET
UO-2 - UO-6	UBO PLAN SHEETS

UTILITY OWNERS WITH CONFLICTS

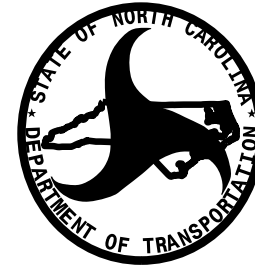
- (A) POWER - DUKE ENERGY
- (B) COMMUNICATIONS/CATV - SPECTRUM
- (C) COMMUNICATIONS - AT&T
- (D) COMMUNICATIONS - CONTERRA
- (E) COMMUNICATIONS - RST
- (F) COMMUNICATIONS - SEGRA
- (G) NATURAL GAS - ENBRIDGE

PREPARED IN THE OFFICE OF:



TELICS
1598 WESTBROOK PLAZA DR.
SUITE 202
WINSTON-SALEM, NC 27103
(336) 705-8844

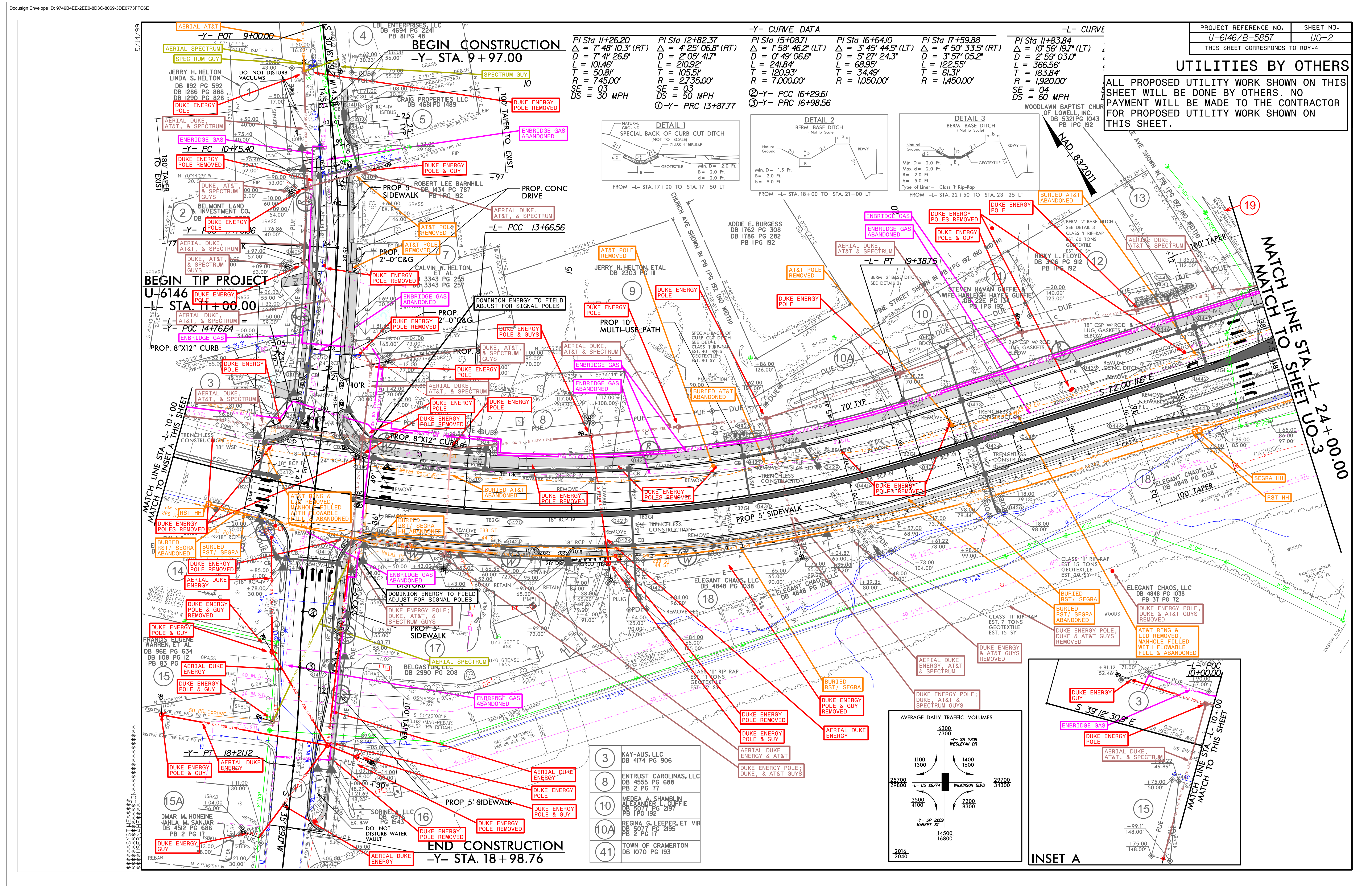
CORY WOOD UTILITY PROJECT MANAGER
CORY WOOD PROJECT UTILITY COORDINATOR



DIVISION OF HIGHWAYS
DIVISION 12

1710 E. MARION ST.
SHELBY, NC 28150

BRYAN SOWELL, PE PROJECT ENGINEER
WARREN ANDERSON DIVISION UTILITY ENGINEER



PROJECT REFERENCE NO.	SHEET NO.
U-6146/B-5857	U0-2
THIS SHEET CORRESPONDS TO RDY-4	

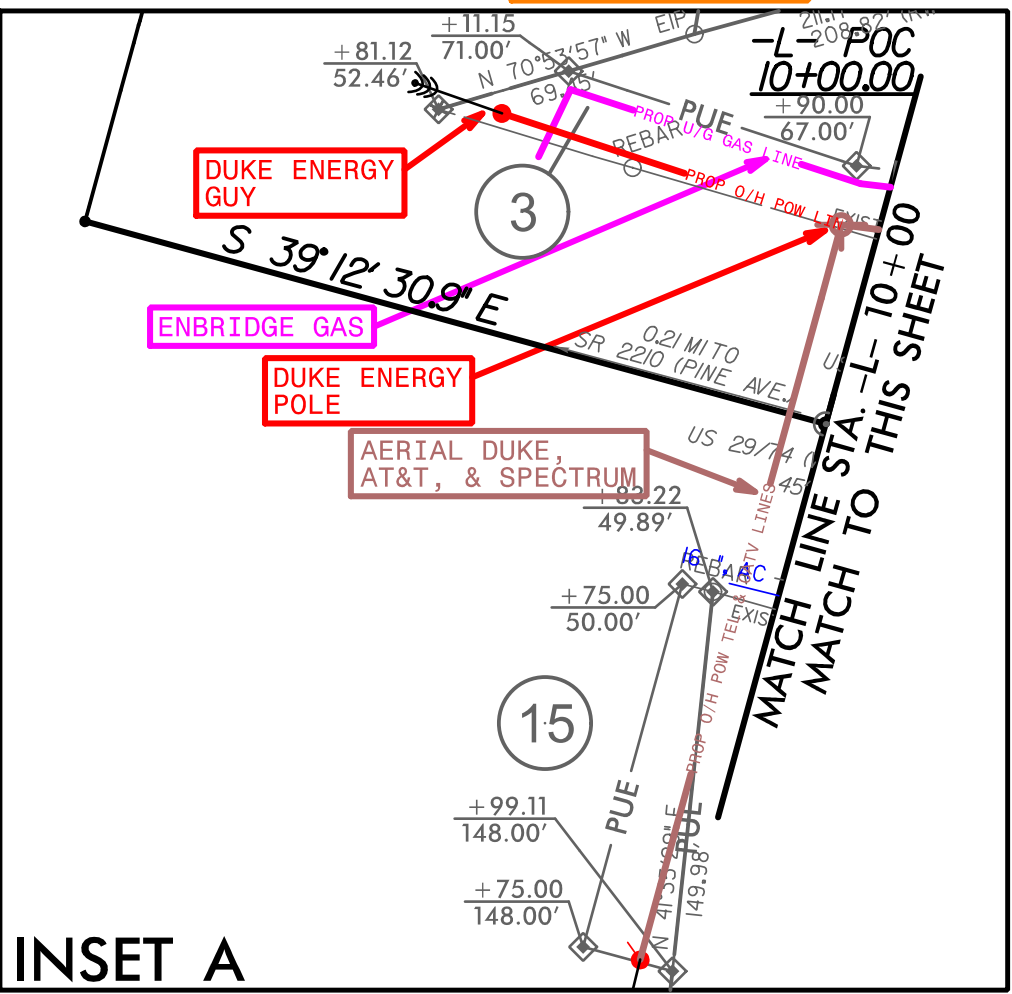
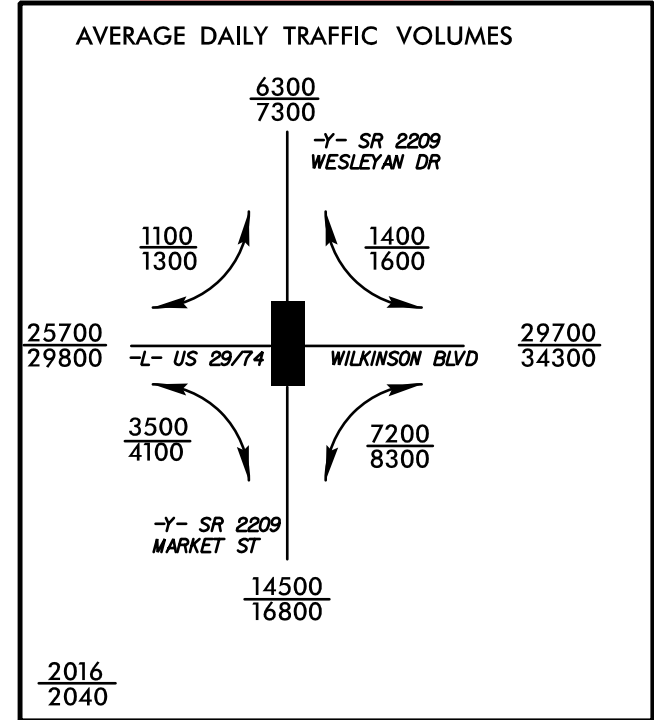
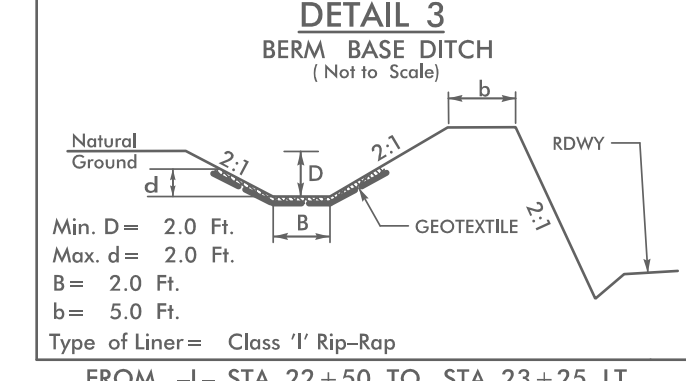
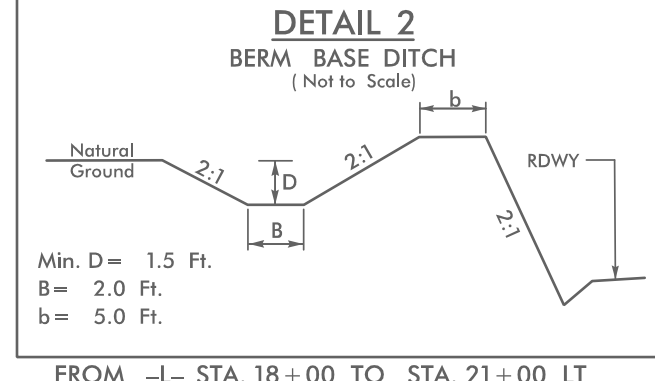
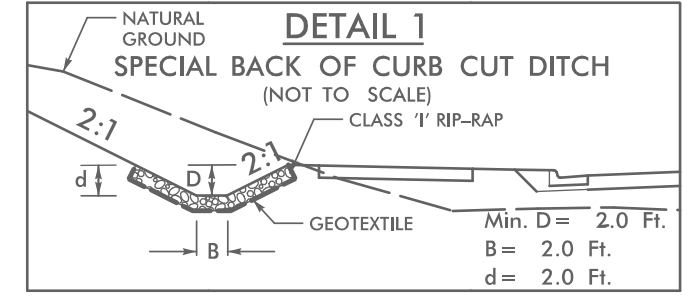
UTILITIES BY OTHERS

ALL PROPOSED UTILITY WORK SHOWN ON THIS SHEET WILL BE DONE BY OTHERS. NO PAYMENT WILL BE MADE TO THE CONTRACTOR FOR PROPOSED UTILITY WORK SHOWN ON THIS SHEET.

PI Sta 11+26.20	PI Sta 12+82.37
$\Delta = 7^{\circ} 48' 10.3" (RT)$	$\Delta = 4^{\circ} 25' 06.8" (RT)$
$D = 7^{\circ} 41' 26.6"$	$D = 2^{\circ} 05' 41.7"$
$L = 101.46'$	$L = 210.92'$
$R = 745.00'$	$R = 105.51'$
$SE = 03$	$SE = 03$
$DS = 30 MPH$	$DS = 50 MPH$
	①-Y- PRC 13+87.77

-Y- CURVE DATA	-L- CURVE
PI Sta 15+08.71	PI Sta 16+64.10
$\Delta = 1^{\circ} 58' 46.2" (LT)$	$\Delta = 3^{\circ} 45' 44.5" (LT)$
$D = 0^{\circ} 49' 06.6"$	$D = 5^{\circ} 27' 24.3"$
$L = 241.84'$	$L = 68.95'$
$R = 120.93'$	$R = 34.49'$
$R = 7,000.00'$	$R = 1,050.00'$
②-Y- PCC 16+29.61	
③-Y- PRC 16+98.56	

WOODLAWN BAPTIST CHURCH OF LOWELL, INC.
DB 531 PG 1043
PB 1 PG 192



3	KAY-AUS, LLC DB 4174 PG 906
8	ENTRUST CAROLINAS, LLC DB 4555 PG 688 PB 2 PG 77
10	MEDEA A. SHAMBLIN DB 4555 PG 688 PB 2 PG 77
10A	REGINA G. LEEPER, ET VIR DB 5077 PG 2195 PB 2 PG 17
41	TOWN OF CRAMERTON DB 1070 PG 193

5/14/99

PROJECT REFERENCE NO.	SHEET NO.
U-6146/B-5857	U0-3
THIS SHEET CORRESPONDS TO RDY-5	

UTILITIES BY OTHERS

ALL PROPOSED UTILITY WORK SHOWN ON THIS SHEET WILL BE DONE BY OTHERS. NO PAYMENT WILL BE MADE TO THE CONTRACTOR FOR PROPOSED UTILITY WORK SHOWN ON THIS SHEET.

-GRWY- CURVE DATA
PI Sta 10+55.37 PI Sta 12+48.92
 $\Delta = 60^\circ 21' 39.7''$ (RT) $\Delta = 30^\circ 33' 56.8''$ (RT)
 $D = 60^\circ 10' 26.3''$ $D = 22^\circ 16' 13.7''$
 $L = 100.31'$ $L = 137.25'$
 $T = 55.37'$ $T = 70.30'$
 $R = 95.22'$ $R = 257.27'$

- ①-GRWY- PC 10+00.00
- ②-GRWY- PT 11+00.31
- ③-GRWY- PC 11+78.62
- ④-GRWY- PT 13+15.87

END CONSTRUCTION
-GRWY- STA. 13+15.00

-L- STA. 35+18.83
END BRIDGE
(B-5857)

WOOD RUB RAIL
-L- STA 30+10± TO 30+43±
SEE DETAIL SHT 2C-3

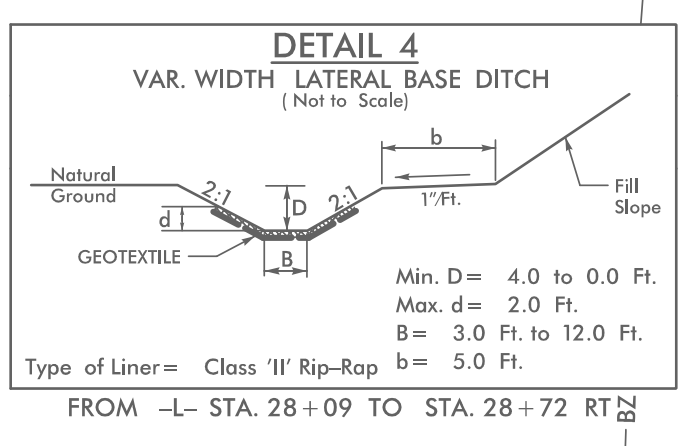
-L- POT 44+59.81 =
-GRWY- POT 11+40.32

-L- STA. 30+67.17
BEGIN BRIDGE
(B-5857)

BEGIN CONSTRUCTION
-GRWY- STA. 10+02.75
= TIP PROJECT EB-5535
STA. 45+22±

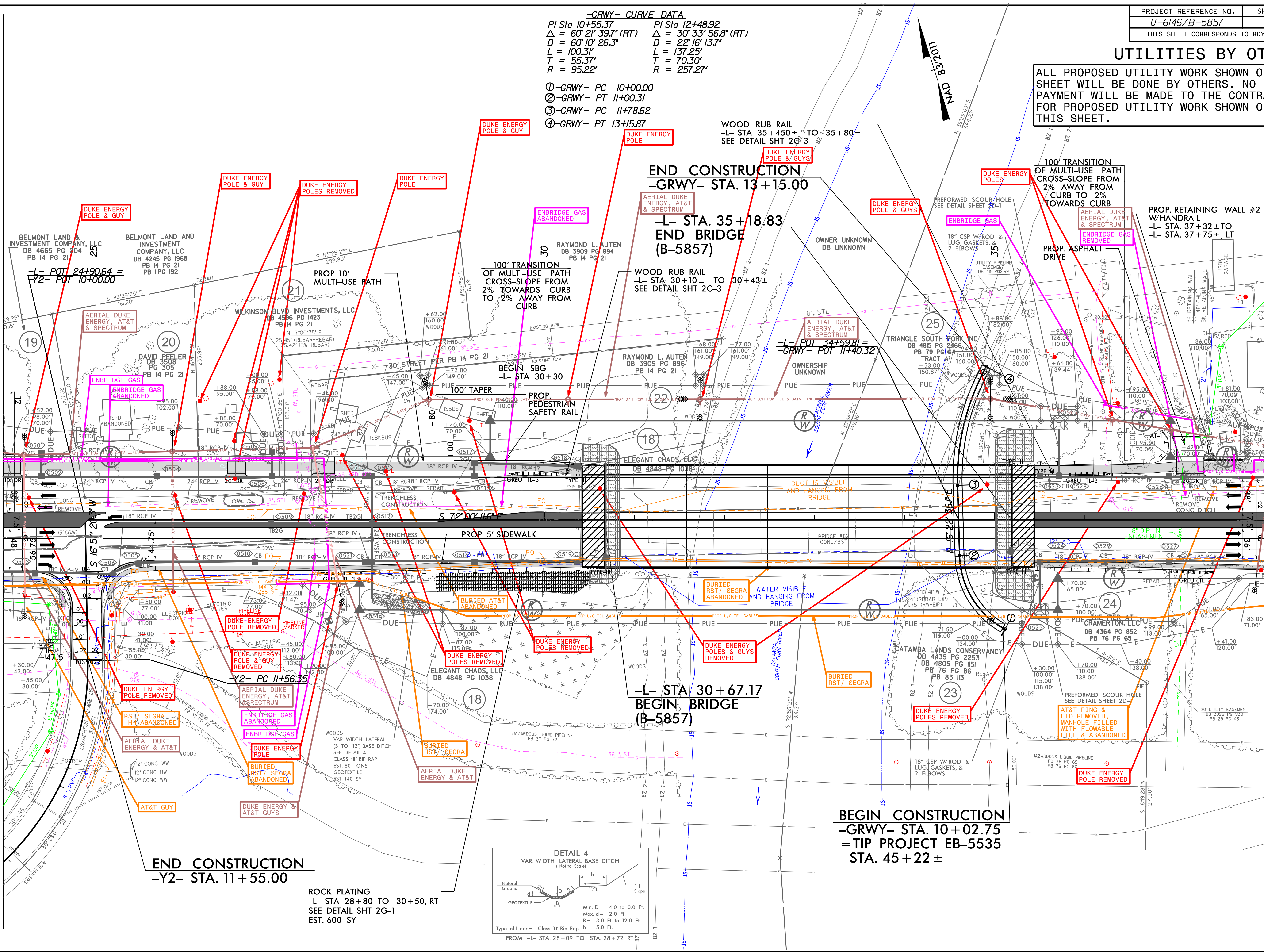
END CONSTRUCTION
-Y2- STA. 11+55.00

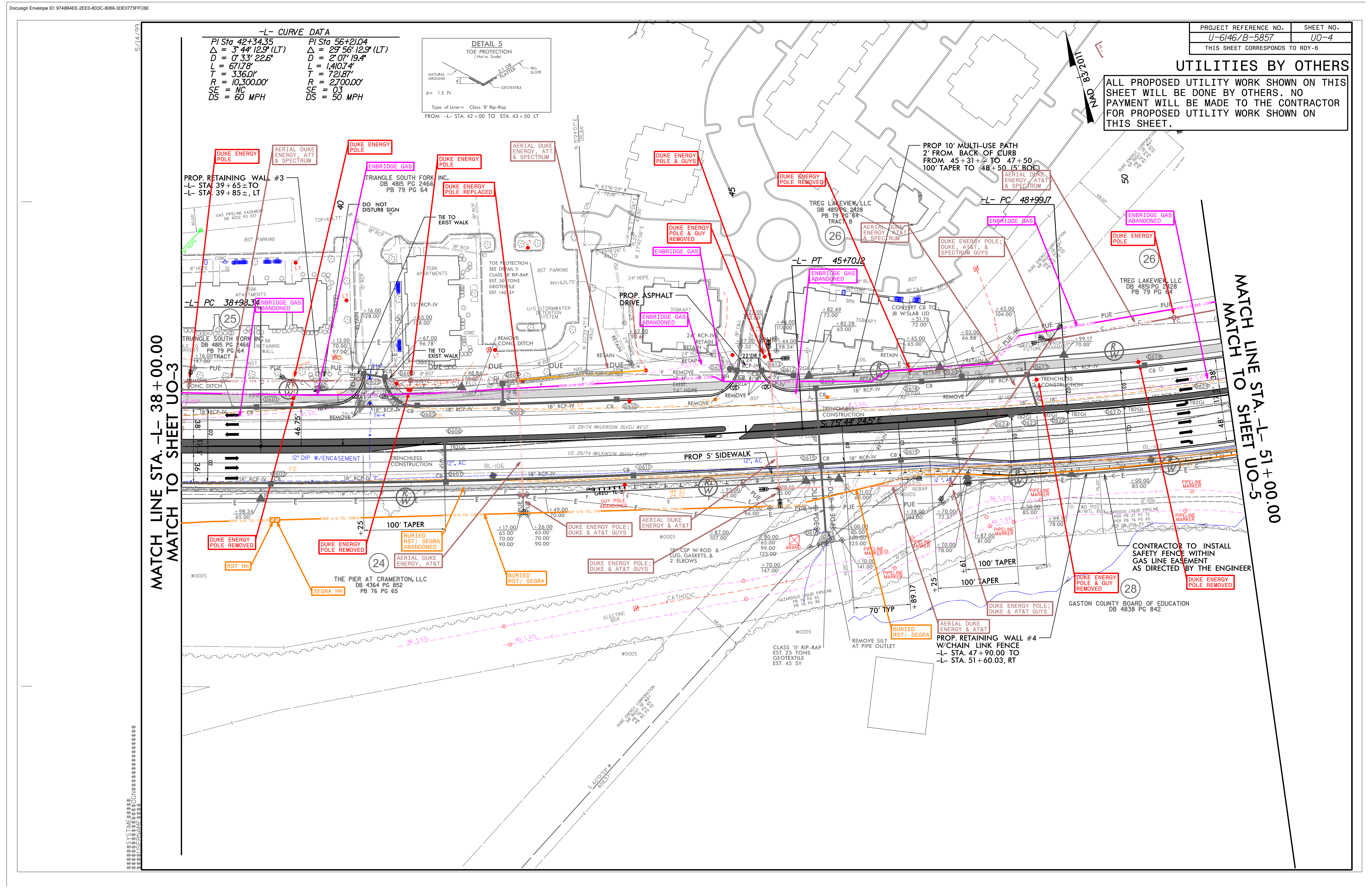
ROCK PLATING
-L- STA 28+80 TO 30+50, RT
SEE DETAIL SHT 2G-1
EST. 600 SY



MATCH LINE STA. -L- 24+00.00
MATCH TO SHEET UO-2

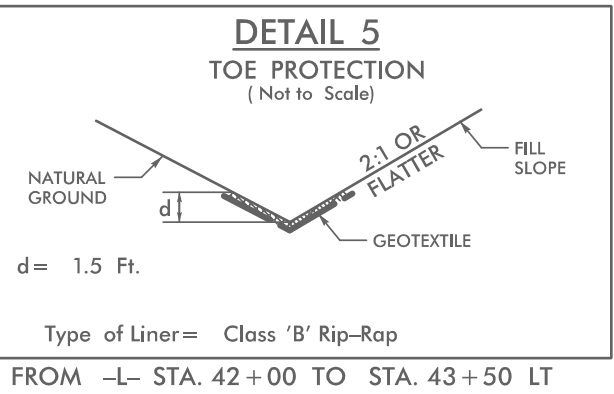
MATCH LINE STA. -L- 38+00.00
MATCH TO SHEET UO-4





-L- CURVE DATA

PI Sta 42+34.35	PI Sta 56+21.04
$\Delta = 3^\circ 44' 12.9''$ (LT)	$\Delta = 29^\circ 56' 12.9''$ (LT)
$D = 0^\circ 33' 22.6''$	$D = 2^\circ 07' 19.4''$
$L = 671.78'$	$L = 1,410.74'$
$T = 336.01'$	$T = 721.87'$
$R = 10,300.00'$	$R = 2,700.00'$
$SE = NC$	$SE = 03$
$DS = 60$ MPH	$DS = 50$ MPH



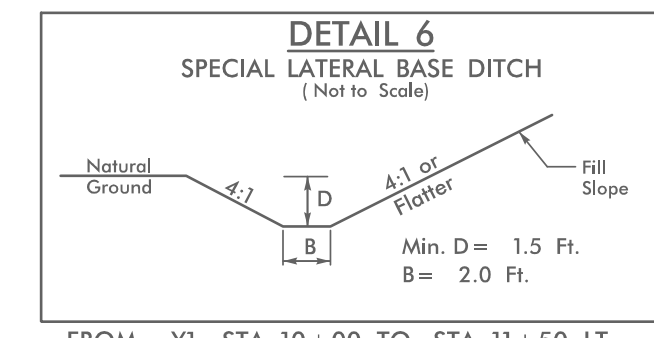
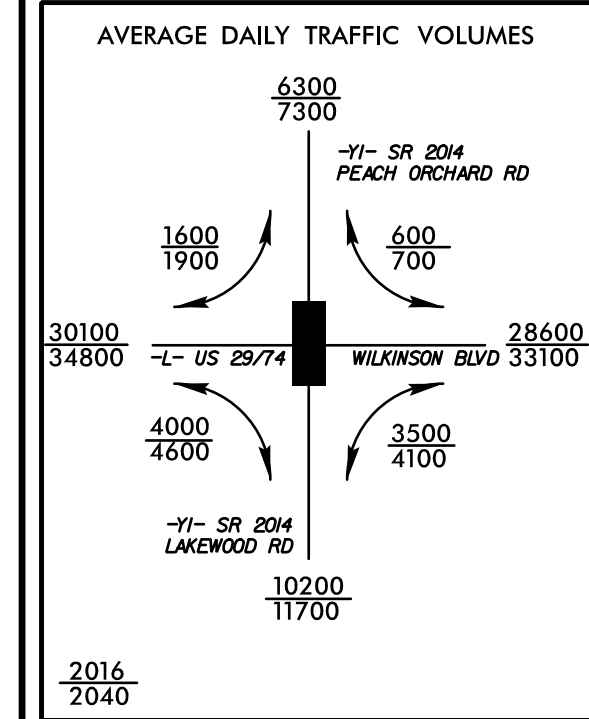
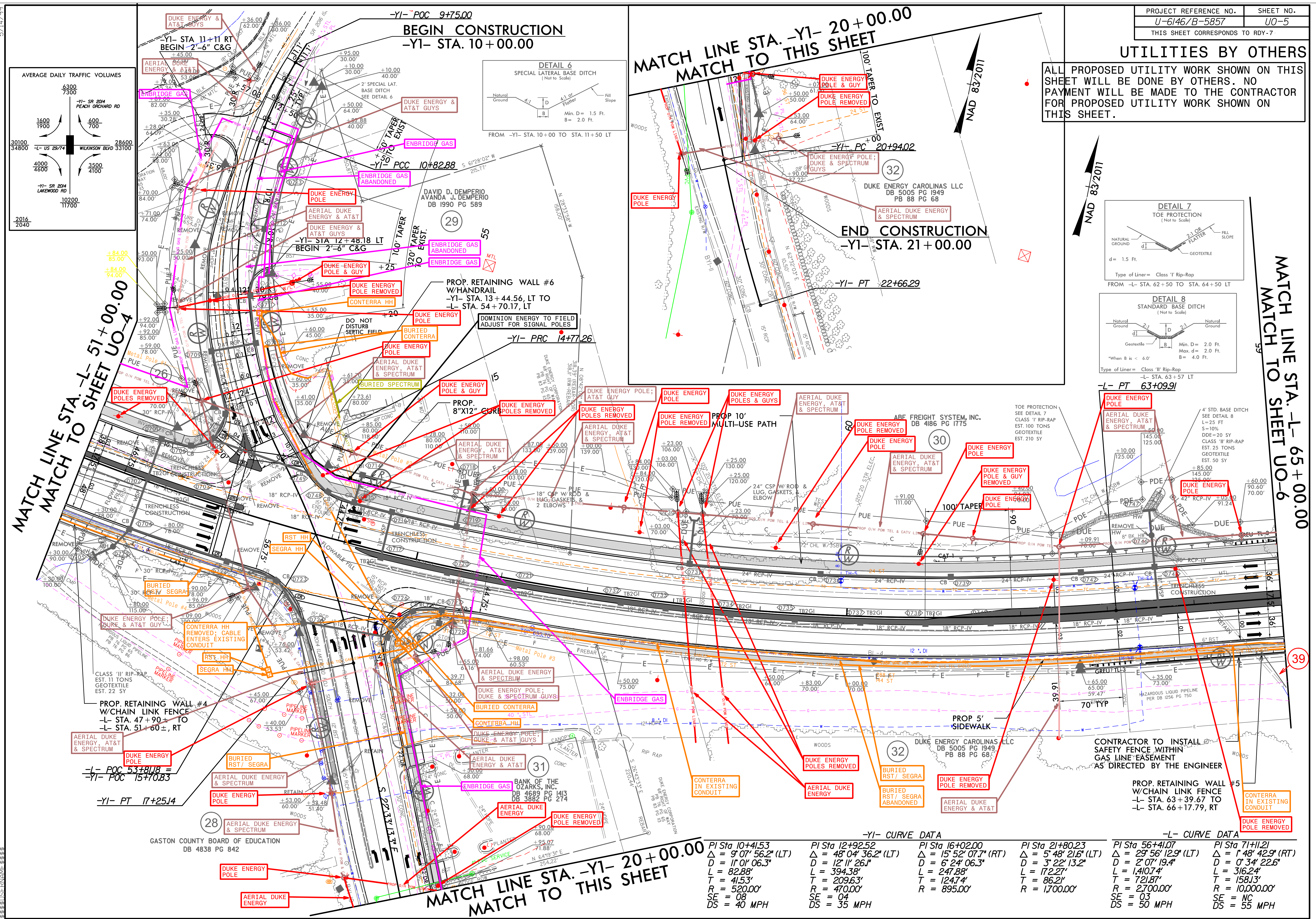
PROJECT REFERENCE NO.	SHEET NO.
U-6146/B-5857	U0-4
THIS SHEET CORRESPONDS TO RDY-6	

UTILITIES BY OTHERS

ALL PROPOSED UTILITY WORK SHOWN ON THIS SHEET WILL BE DONE BY OTHERS. NO PAYMENT WILL BE MADE TO THE CONTRACTOR FOR PROPOSED UTILITY WORK SHOWN ON THIS SHEET.

MATCH LINE STA. -L- 38+00.00
MATCH TO SHEET UO-3

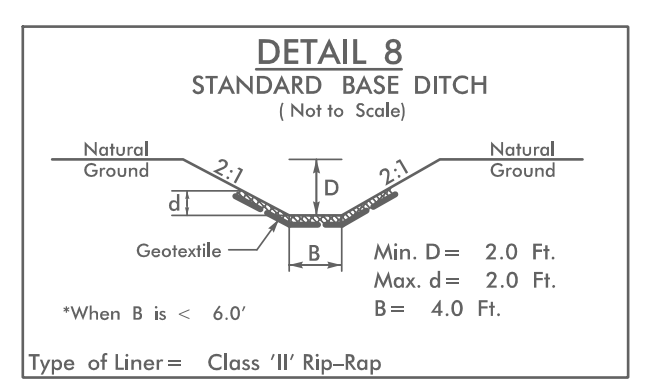
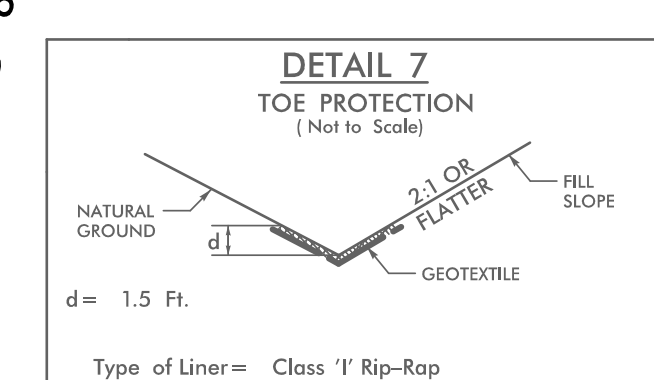
MATCH LINE STA. -L- 51+00.00
MATCH TO SHEET UO-5



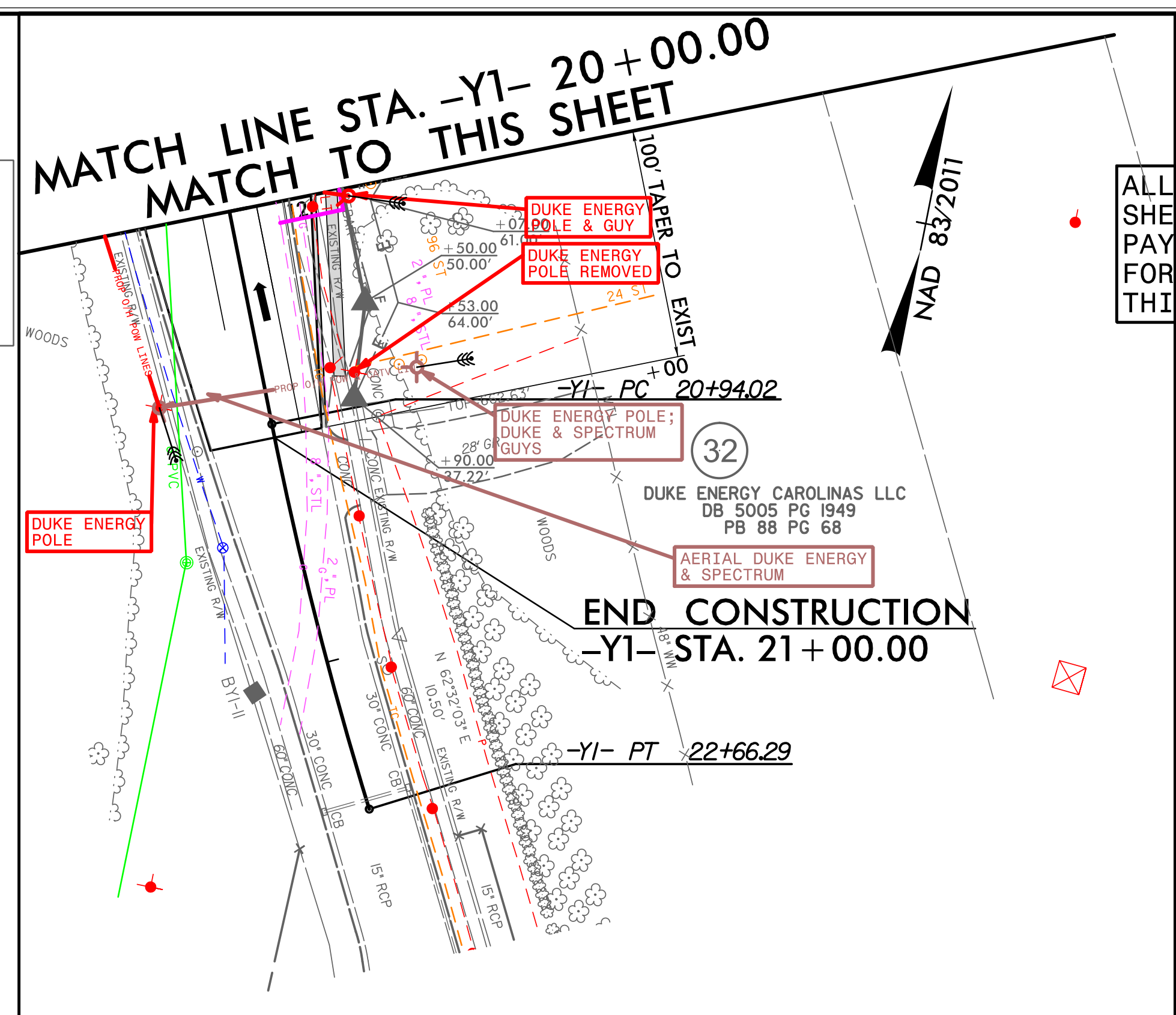
PROJECT REFERENCE NO.	SHEET NO.
U-6146/B-5857	UO-5
THIS SHEET CORRESPONDS TO RDY-7	

UTILITIES BY OTHERS

ALL PROPOSED UTILITY WORK SHOWN ON THIS SHEET WILL BE DONE BY OTHERS. NO PAYMENT WILL BE MADE TO THE CONTRACTOR FOR PROPOSED UTILITY WORK SHOWN ON THIS SHEET.



MATCH LINE STA. -L- 65+00.00
MATCH TO SHEET UO-6



-Y1- CURVE DATA				-L- CURVE DATA			
PI Sta 10+41.53	PI Sta 12+92.52	PI Sta 16+02.00	PI Sta 21+80.23	PI Sta 56+41.07	PI Sta 71+11.21		
Δ = 9° 07' 56.2" (LT)	Δ = 48° 04' 36.2" (LT)	Δ = 15° 52' 07.7" (RT)	Δ = 5° 48' 21.6" (LT)	Δ = 29° 56' 12.9" (LT)	Δ = 1° 48' 42.9" (RT)		
D = 11° 01' 06.3"	D = 12° 11' 26.1"	D = 6° 24' 06.3"	D = 3° 22' 13.2"	D = 2° 07' 19.4"	D = 0° 34' 22.6"		
L = 82.88'	L = 394.38'	L = 247.88'	L = 1,410.74'	L = 1,410.74'	L = 316.24'		
T = 41.53'	T = 209.63'	T = 124.74'	T = 86.21'	T = 721.87'	T = 158.13'		
R = 520.00'	R = 470.00'	R = 895.00'	R = 1,700.00'	R = 2,700.00'	R = 10,000.00'		
SE = 08	SE = 04			SE = 03	SE = NC		
DS = 40 MPH	DS = 35 MPH			DS = 50 MPH	DS = 55 MPH		

5/14/2011

CONSTRUCTION

-L- CURVE DATA

PI Sta 71+11.21	PI Sta 74+27.45
$\Delta = 1^{\circ} 48' 42.9" (RT)$	$\Delta = 1^{\circ} 48' 42.9" (LT)$
$D = 0^{\circ} 34' 22.6"$	$D = 0^{\circ} 34' 22.6"$
$L = 316.24'$	$L = 316.24'$
$T = 158.13'$	$T = 158.13'$
$R = 10,000.00'$	$R = 10,000.00'$
SE = NC	SE = NC
DS = 55 MPH	DS = 55 MPH

PROJECT REFERENCE NO.	SHEET NO.
U-6146/B-5857	U0-6
THIS SHEET CORRESPONDS TO RDY-8	

UTILITIES BY OTHERS

ALL PROPOSED UTILITY WORK SHOWN ON THIS SHEET WILL BE DONE BY OTHERS. NO PAYMENT WILL BE MADE TO THE CONTRACTOR FOR PROPOSED UTILITY WORK SHOWN ON THIS SHEET.

MATCH LINE STA. -L- 65+00.00
MATCH TO SHEET U0-5

