

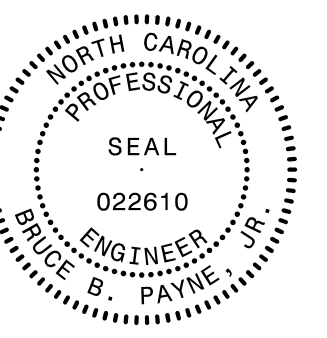
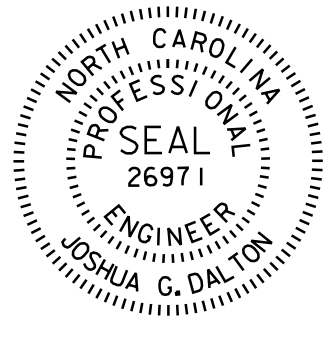
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\$\$\$\$\$\$SYTIME\$\$\$\$\$

-L-		-Y13-	-Y14-
PI Sta 181+62.64	PI Sta 188+91.46	PI Sta 13+24.06	PI Sta 11+47.9
$\Delta = 10^{\circ} 27' 39.6"$ (RT)	$\Delta = 17^{\circ} 58' 04.8"$ (LT)	$\Delta = 22^{\circ} 33' 51.0"$ (LT)	$\Delta = 11^{\circ} 33' 09.8"$ (RT)
$D = 3^{\circ} 10' 59.2"$	$D = 4^{\circ} 46' 28.7"$	$D = 6^{\circ} 09' 39.0"$	$D = 7^{\circ} 09' 43.1"$
$L = 328.64'$	$L = 376.32'$	$L = 366.25'$	$L = 161.31'$
$T = 164.78'$	$T = 189.72'$	$T = 185.53'$	$T = 80.93'$
$R = 1,800.00'$	$R = 1,200.00'$	$R = 930.00'$	$R = 800.00'$
$SE = 0.04$	$SE = 0.04$	$SE = 0.08$	$SE = 0.02$
$LR = 192'$	$LR = 192'$	$LR = 192'$	$LR = 42'$

-Y13-		-Y14-
PI Sta 13+24.06	PI Sta 11+47.9	PI Sta 11+47.9
$\Delta = 22^{\circ} 33' 51.0"$ (LT)	$\Delta = 11^{\circ} 33' 09.8"$ (RT)	$\Delta = 11^{\circ} 33' 09.8"$ (RT)
$D = 6^{\circ} 09' 39.0"$	$D = 7^{\circ} 09' 43.1"$	$D = 7^{\circ} 09' 43.1"$
$L = 366.25'$	$L = 161.31'$	$L = 161.31'$
$T = 185.53'$	$T = 80.93'$	$T = 80.93'$
$R = 930.00'$	$R = 800.00'$	$R = 800.00'$
$SE = 0.08$	$SE = 0.02$	$SE = 0.02$
$LR = 192'$	$LR = 42'$	$LR = 42'$

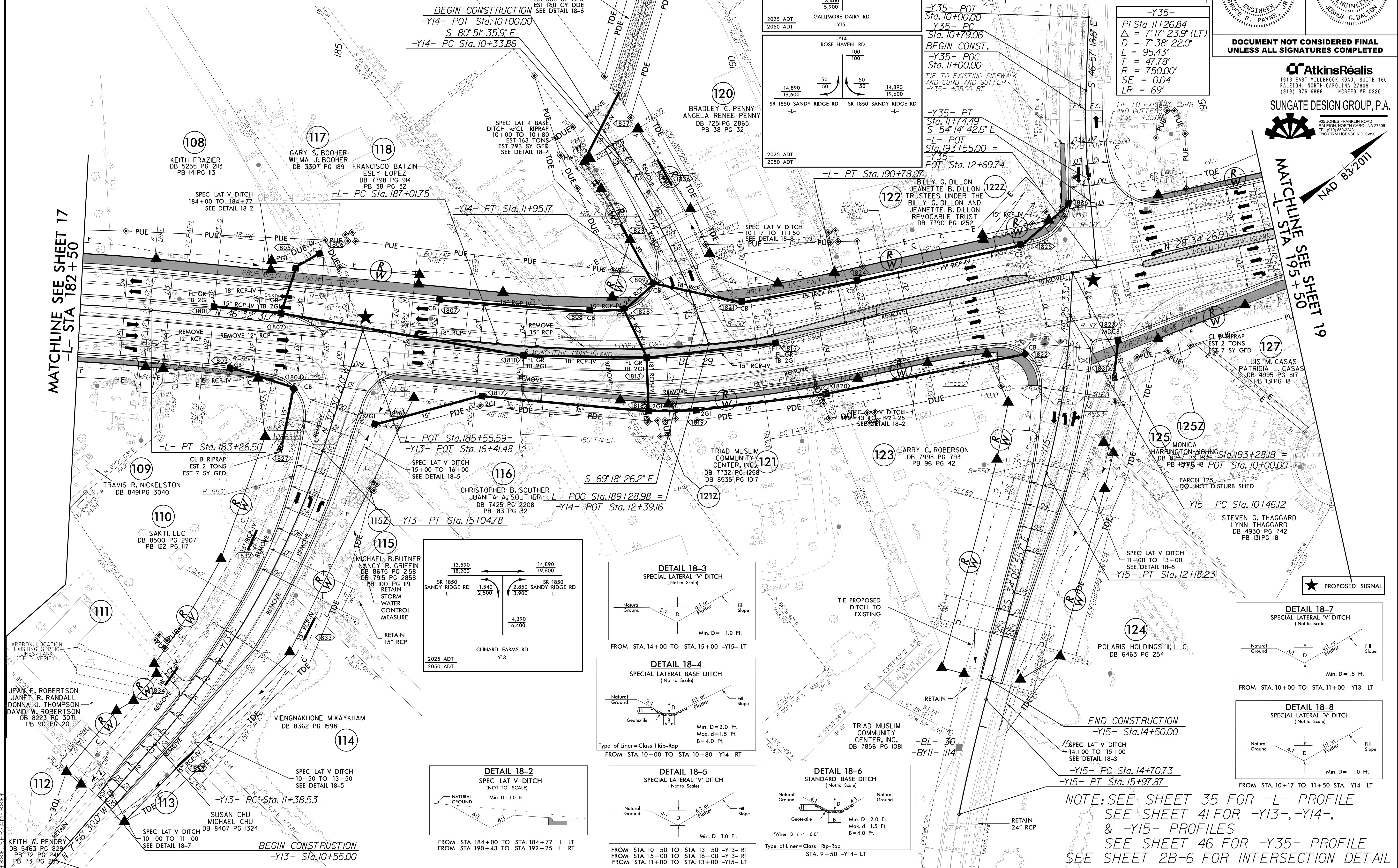
-Y15-	
PI Sta 11+32.51	PI Sta 15+34.32
$\Delta = 12^{\circ} 19' 37.4"$ (RT)	$\Delta = 3^{\circ} 18' 40.2"$ (LT)
$D = 7^{\circ} 09' 43.1"$	$D = 2^{\circ} 36' 15.7"$
$L = 172.12'$	$L = 127.14'$
$T = 86.39'$	$T = 63.59'$
$R = 800.00'$	$R = 2,200.00'$
$SE = 0.05$	$SE = 0.05$
$LR = 120'$	$LR = 120'$

-Y15-	
PI Sta 11+32.51	PI Sta 15+34.32
$\Delta = 12^{\circ} 19' 37.4"$ (RT)	$\Delta = 3^{\circ} 18' 40.2"$ (LT)
$D = 7^{\circ} 09' 43.1"$	$D = 2^{\circ} 36' 15.7"$
$L = 172.12'$	$L = 127.14'$
$T = 86.39'$	$T = 63.59'$
$R = 800.00'$	$R = 2,200.00'$
$SE = 0.05$	$SE = 0.05$
$LR = 120'$	$LR = 120'$

PROJECT REFERENCE NO. U-4758		SHEET NO. 18
RW SHEET NO.		
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER	
		
DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED		

AtkinsRéalis
1616 EAST MILLBROOK ROAD, SUITE 160
RALEIGH, NORTH CAROLINA 27609
(919) 876-8888 NCBEES #F-0326

SUNGATE DESIGN GROUP, P.A.
905 JONES FRANKLIN ROAD
RALEIGH, NORTH CAROLINA 27608
TEL (919) 868-2245
ENG FIRM LICENSE NO. C-380



BEGIN CONSTRUCTION
-Y14- POT Sta. 10+00.00
S 80° 51' 35.9" E
-Y14- PC Sta. 10+33.86

-Y14- PT Sta. 11+95.17

-L- PT Sta. 183+26.50
-Y13- POT Sta. 16+41.48

-L- POT Sta. 185+55.59
-Y13- POT Sta. 16+41.48

-L- POC Sta. 189+28.98
-Y14- POT Sta. 12+39.16

-Y13- PT Sta. 15+04.78

-Y13- PC Sta. 11+38.53

-Y13- PC Sta. 10+55.00

-Y13- PT Sta. 12+18.23

-Y15- PC Sta. 10+46.12

-Y35- POT Sta. 10+00.00
-Y35- PC Sta. 10+79.06
BEGIN CONST.
-Y35- POC Sta. 11+00.00
TIE TO EXISTING SIDEWALK AND CURB AND GUTTER
-Y35- +35.00 RT

-Y35- PT Sta. 11+74.49
-L- POT Sta. 193+55.00 =
-Y35- POT Sta. 12+69.74

-L- PT Sta. 190+78.07

-L- PT Sta. 183+26.50
-Y13- POT Sta. 16+41.48

-L- POT Sta. 185+55.59
-Y13- POT Sta. 16+41.48

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-Y15- PT Sta. 15+97.87

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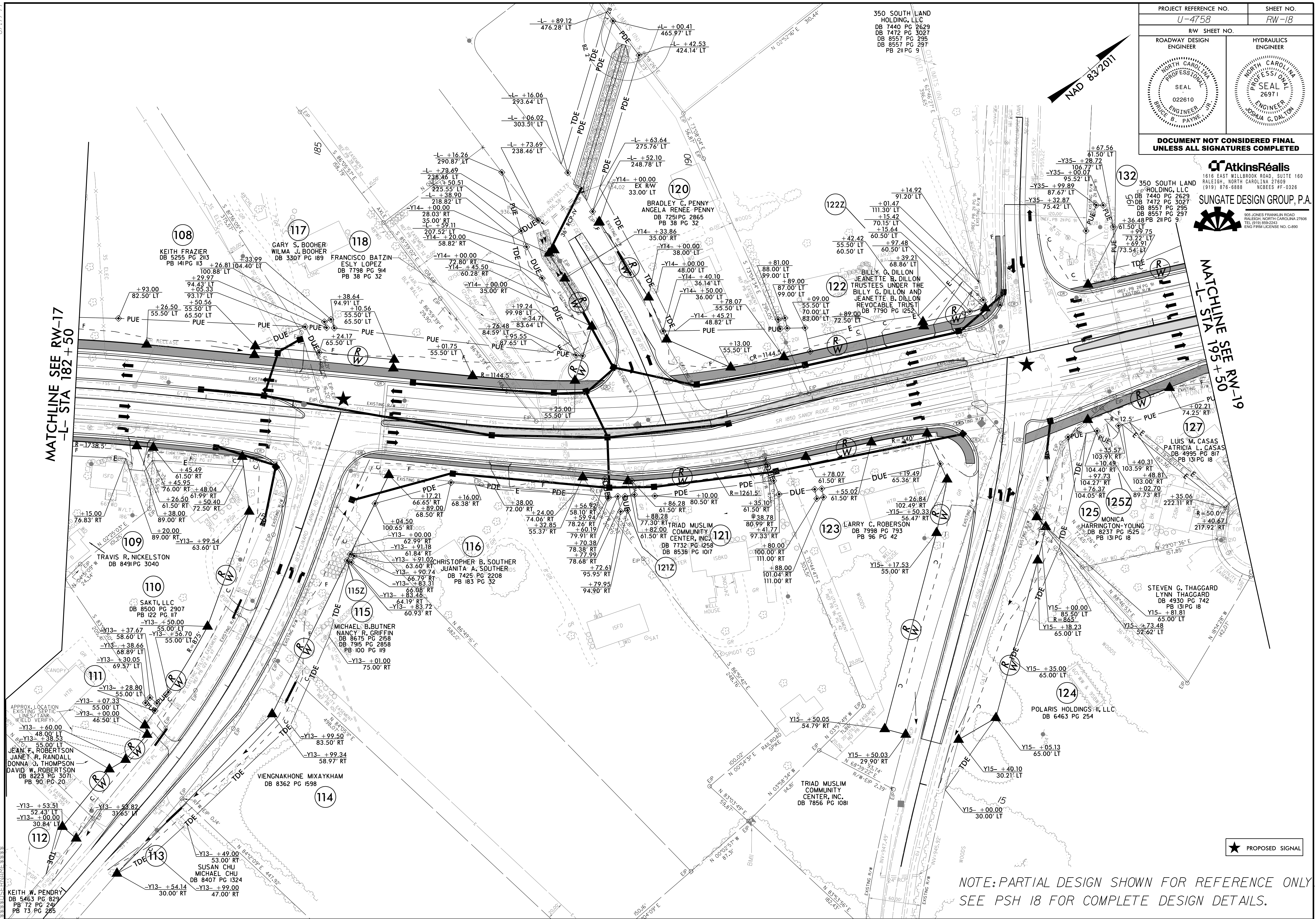
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November 07, 2023 – Right of Way Revisions – Parcel 115 – Name change MICHAEL B. BUTTNER, NANCY B. GRIFFIN, DB 8675, PG 2158 DB 7915 PG 2858 PB 100 PG 119; Parcel 120 – Adj Justed –PDE– and –TDE– at property line “L” station +89.9124716.28 [L” and +42.5537424.14 [L”;
 April 01, 2024 – Right of Way Revision – Parcel 123 – Combined –PDE– and –PUE– into new –DUE– line to tie to property line at “L” station +41.77 offset 97.33” right.
 February 14, 2025 – Right of Way Revisions – Parcel 122 – Added 122Z, Adj Justed –E– and –PDE–+Parcel 132 – Adj Justed –DUE–+Parcel 132 – and added –PUE–,
 March 26, 2025 – Right of Way Revision – Parcel 125 (Second Claim 125Z) – Adj Justed –PUE– and revised –TDE–,
 August 08, 2025 – Right of Way Revision – Parcel 115 – (second claim, Parcel 15Z) – added –PUE– and Adj Justed –TDE–+Parcel 121 – (second claim, Parcel 12Z) – added –DUE– and Adj Justed –PD–
 Parcel 127 – removed, Parcel 127Z – Right of way will request an additional deposit for the AG’s office.

08-AUG-2025 14:29
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NOTE: PARTIAL DESIGN SHOWN FOR REFERENCE ONLY
SEE PSB 18 FOR COMPLETE DESIGN DETAILS.