

PROJECT REFERENCE NO.  
U-4758

SHEET NO.  
9

RW SHEET NO.

ROADWAY DESIGN ENGINEER

HYDRAULICS ENGINEER

NORTH CAROLINA PROFESSIONAL SEAL

022610

BRUCE B. PAYNE, J.E.

NORTH CAROLINA PROFESSIONAL SEAL

26971

JOSHUA C. DALTON, E.I.

DOCUMENT NOT CONSIDERED FINAL  
UNLESS ALL SIGNATURES COMPLETED

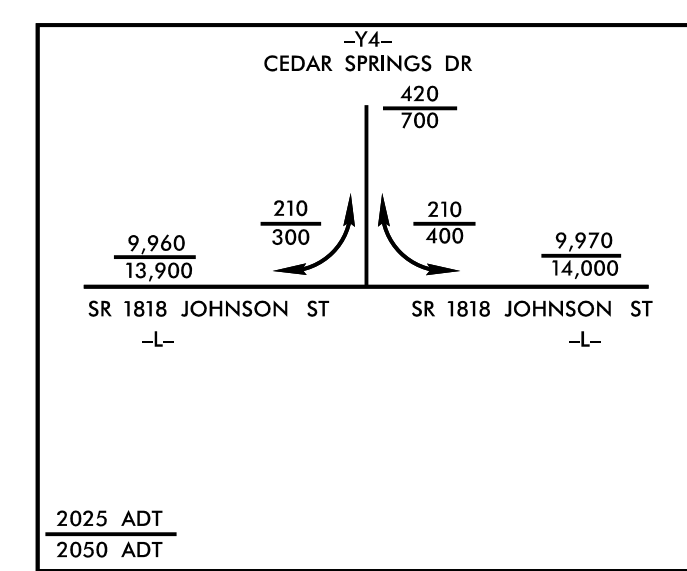
1616 EAST MILLBROOK ROAD, SUITE 160  
RALEIGH, NORTH CAROLINA 27609  
(919) 876-6888 NCBEES #F-0326

AtkinsRéalis

SUNGATE DESIGN GROUP, P.A.

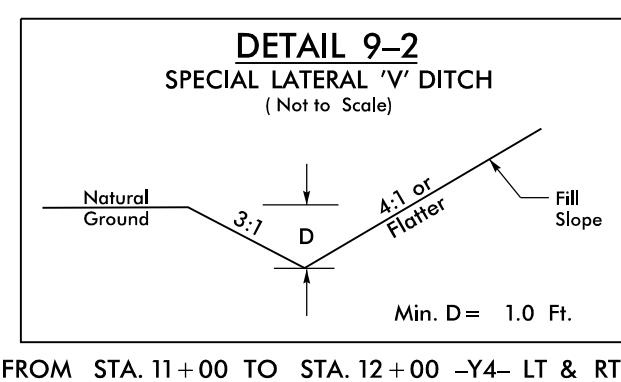
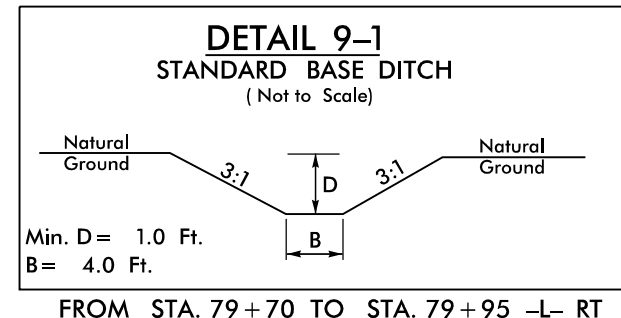
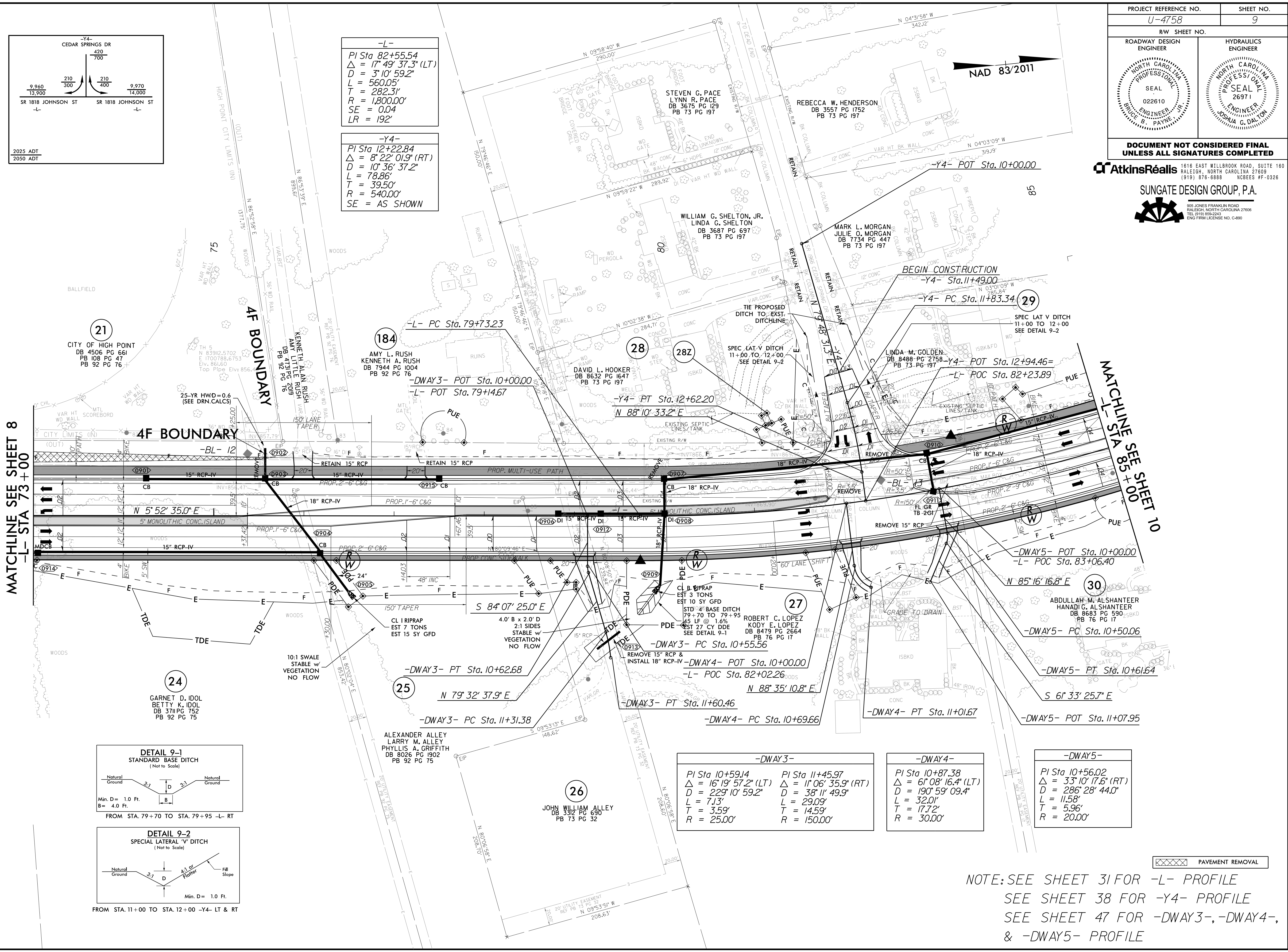
1616 EAST MILLBROOK ROAD, SUITE 160  
RALEIGH, NORTH CAROLINA 27609  
(919) 876-6888 NCBEES #F-0326

905 JONES FRANKLIN ROAD  
RALEIGH, NORTH CAROLINA 27608  
(919) 876-6888 NCBEES #F-0326



**-L-**  
PI Sta 82+55.54  
 $\Delta = 17^{\circ} 49' 37.3''$  (LT)  
 $D = 3^{\circ} 10' 59.2''$   
 $L = 560.05'$   
 $T = 282.31'$   
 $R = 1,800.00'$   
 $SE = 0.04$   
 $LR = 192'$

**-Y4-**  
PI Sta 12+22.84  
 $\Delta = 8^{\circ} 22' 01.9''$  (RT)  
 $D = 10^{\circ} 36' 37.2''$   
 $L = 78.86'$   
 $T = 39.50'$   
 $R = 540.00'$   
 $SE = AS SHOWN$



**-DWAY3-**  
PI Sta 10+59.14  
 $\Delta = 16^{\circ} 19' 57.2''$  (LT)  
 $D = 229^{\circ} 10' 59.2''$   
 $L = 7.13'$   
 $T = 3.59'$   
 $R = 25.00'$

**-DWAY4-**  
PI Sta 11+45.97  
 $\Delta = 11^{\circ} 06' 35.9''$  (RT)  
 $D = 38^{\circ} 11' 49.9''$   
 $L = 29.09'$   
 $T = 14.59'$   
 $R = 150.00'$

**-DWAY5-**  
PI Sta 10+87.38  
 $\Delta = 6^{\circ} 08' 16.4''$  (LT)  
 $D = 190^{\circ} 59' 09.4''$   
 $L = 32.01'$   
 $T = 17.72'$   
 $R = 30.00'$

**-DWAY5-**  
PI Sta 10+56.02  
 $\Delta = 33^{\circ} 10' 17.6''$  (RT)  
 $D = 286^{\circ} 28' 44.0''$   
 $L = 11.58'$   
 $T = 5.96'$   
 $R = 20.00'$

NOTE: SEE SHEET 31 FOR -L- PROFILE  
SEE SHEET 38 FOR -Y4- PROFILE  
SEE SHEET 47 FOR -DWAY3-, -DWAY4-,  
& -DWAY5- PROFILE

PAVEMENT REMOVAL

 PAVEMENT REMOVAL



2/2/23 – Design Revision – Parcel 24 – added 16' curb cut.  
February 21, 2023 – Design Revision, Parcel 29 – drainage design and shoulder width changed to avoid impacts to the septic system; Right of Way Revision – Parcel 29 – easement adjusted to match design revision.  
November 07, 2023 – Right of Way Revision – Parcel 30 – Owner change- ABDULLAH M. ALSHANTEER HANADI G. ALSHANTEER DB 8683 PG 590 PB 76 PG 17.  
August 08, 2025 – Right of Way Revision – Parcel 28 – (second claim Parcel 282) – added -PUE-.