


5/14/19


SUNGATE DESIGN GROUP, P.A.
 411 S. JONES FRANKLIN ROAD
 RALEIGH, NORTH CAROLINA 27606
 TEL: (919) 885-2241
 ENG. FIRM LICENSE NO. C-4890

PROJECT REFERENCE NO.
Y-4810K

SHEET NO.
14

R/W SHEET NO.

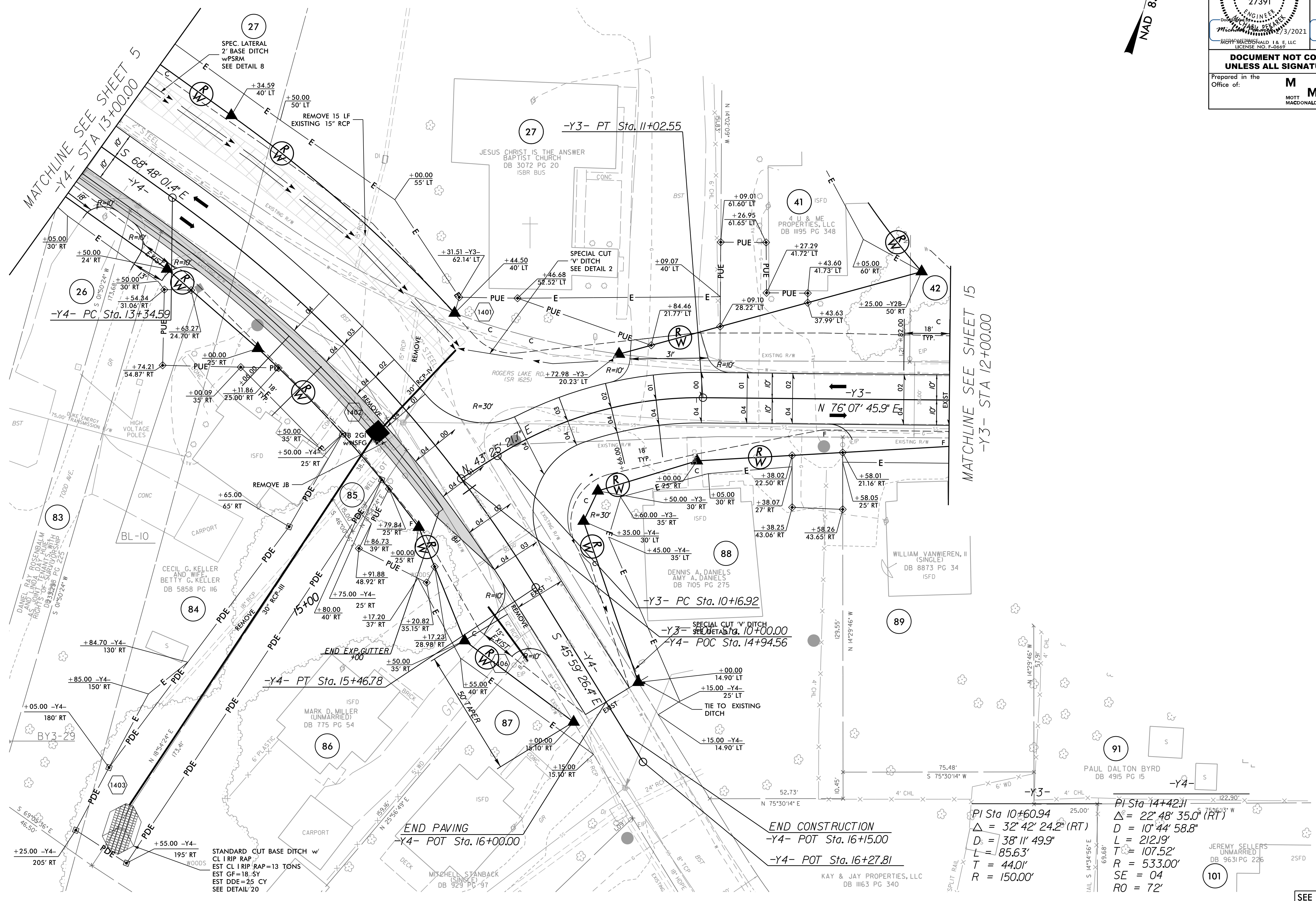
ROADWAY DESIGN ENGINEER


HYDRAULICS ENGINEER


DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED

Prepared in the Office of: **M** MOTT MACDONALD

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MATCHLINE SEE SHEET 5
-Y4- STA 13+00.00

MATCHLINE SEE SHEET 15
-Y3- STA 12+00.00

STANDARD CUT BASE DITCH w/ CL 1 RIP RAP EST GF=18.5Y EST DDE=25 CY SEE DETAIL 20

PI Sta 10+60.94
 $\Delta = 32^{\circ} 42' 24.2''$ (RT)
 $D = 38' 11' 49.9''$
 $L = 85.63'$
 $T = 44.01'$
 $R = 150.00'$

PI Sta 14+42.11
 $\Delta = 22^{\circ} 48' 35.0''$ (RT)
 $D = 10' 44' 58.8''$
 $L = 212.19'$
 $T = 107.52'$
 $R = 533.00'$
 $SE = 04$
 $RO = 72'$

SEE SHEET 2D-1 FOR DITCH DETAILS

-Y4- SEE PROFILE SHEET 36 & 37
-Y3- SEE PROFILE SHEET 37

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