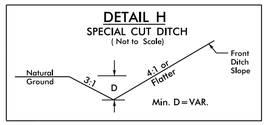
PROJECT REFERENCE NO.	SHEET NO.
R-2514B	21
R/W SHEET NO.	
ROADWAY DESIGN ENGINEER NORTH CAROLINA PROFESSIONAL SEAL 033871 DANIEL W. GARDNER ENGINEER 4/16/2014 DocuSigned by: Daniel W. Gardner, Jr.	HYDRAULICS ENGINEER NORTH CAROLINA PROFESSIONAL SEAL 019660 PAUL ATKINSON ENGINEER 4/16/2014 DocuSigned by:

REVISIONS

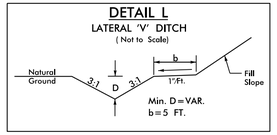
8/17/99

DETAIL H
SPECIAL CUT DITCH
(Not to Scale)



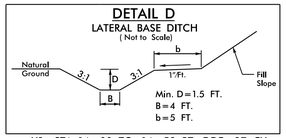
–Y2– STA. 12+86.33 TO 14+50 LT
–Y2A– STA. 11+00 TO 12+20 RT
–Y2A– STA. 12+00 TO 12+50 LT.
–Y2A– STA. 12+20 TO 15+00 RT
–Y2A– STA. 15+00 TO 20+61 RT
–Y2E– STA. 11+50 TO 14+50 RT.
–Y2E– STA. 11+50 TO 14+50 LT.

DETAIL L
LATERAL 'V' DITCH
(Not to Scale)



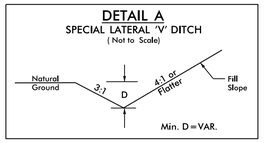
–Y2– STA. 15+28.43 TO 15+50 LT., DDE=11 CY
–Y2– STA. 15+50 TO 16+38 LT., DDE=43 CY
–Y2– STA. 16+50 TO 21+41 RT., DDE=563 CY
–Y2– STA. 18+25 TO 21+00 LT., DDE=152 CY
–Y2B– STA. 10+50 TO 12+50 LT., DDE=103 CY

DETAIL D
LATERAL BASE DITCH
(Not to Scale)



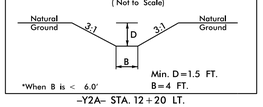
–Y2– STA. 14+00 TO 14+58 RT., DDE=97 CY
–Y2– STA. 15+27 TO 16+50 RT.

DETAIL A
SPECIAL LATERAL 'V' DITCH
(Not to Scale)



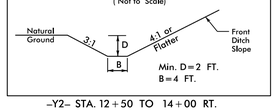
–Y2E– STA. 10+50 TO 11+50 RT.
–Y2E– STA. 10+50 TO 11+50 LT.

DETAIL Y
STANDARD BASE DITCH
(Not to Scale)

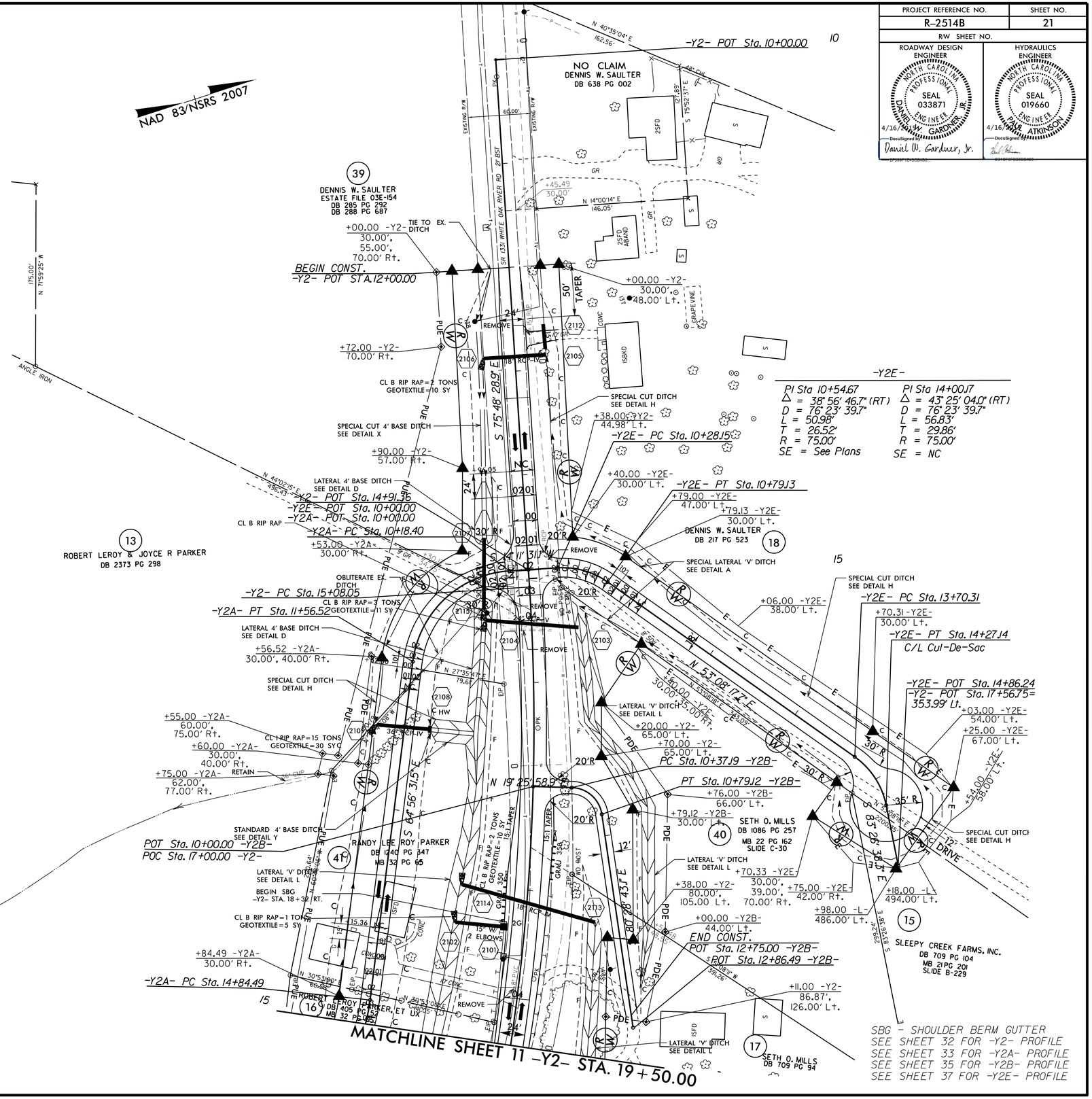


–Y2A– STA. 12+20 LT.

DETAIL X
SPECIAL CUT BASE DITCH
(Not to Scale)



–Y2– STA. 12+50 TO 14+00 RT.



–Y2–
PI Sta 19+86.38
Δ = 25° 39' 48.5" (RT)
D = 2° 43' 42.1"
L = 940.62'
T = 478.33'
R = 2,100.00'
SE = 0.04
RO = 96'

–Y2A–
PI Sta 11+01.04
Δ = 79° 08' 02.6" (LT)
D = 57° 17' 44.8"
L = 138.11'
T = 82.63'
R = 100.00'
SE = 0.02
RO = See Plans

PI Sta 16+34.72
Δ = 81° 17' 18.1" (RT)
D = 32° 44' 25.6"
L = 248.28'
T = 150.23'
R = 175.00'
SE = .04
RO = 60'

–Y2B–
PI Sta 10+62.40
Δ = 80° 05' 18.0" (RT)
D = 190° 59' 09.4"
L = 41.93'
T = 25.21'
R = 30.00'
SE = NC

–Y2E–
PI Sta 10+54.67
Δ = 38° 56' 46.7" (RT)
D = 76° 23' 39.7"
L = 50.98'
T = 26.52'
R = 75.00'
SE = See Plans

PI Sta 14+00.17
Δ = 43° 25' 04.0" (RT)
D = 76° 23' 39.7"
L = 56.83'
T = 29.86'
R = 75.00'
SE = NC

SBG - SHOULDER BERM GUTTER
SEE SHEET 32 FOR –Y2– PROFILE
SEE SHEET 33 FOR –Y2A– PROFILE
SEE SHEET 35 FOR –Y2B– PROFILE
SEE SHEET 37 FOR –Y2E– PROFILE

14-APR-2015 09:27
R:\Roadway\Proj\R2514B_rdy_psh21.dgn
$$$$USERNAME$$$$