PROJECT REFERENCE NO.	SHEET NO.
R-2514D	7
R/W SHEET NO.	

ROADWAY DESIGN ENGINEER
NORTH CAROLINA PROFESSIONAL SEAL 033871 ENGINEER DANIEL W. GARDNER JR.
3/19/2015
DocuSigned by: Daniel W. Gardner, Jr.

HYDRAULICS ENGINEER
NORTH CAROLINA PROFESSIONAL SEAL 039745 ENGINEER Jonathan Kyle Morris
3/20/2015
DocuSigned by: Jonathan Kyle Morris

NAD 83/NSRS 2007

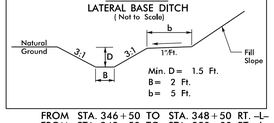
S 68°05'59" E
25.74'

N 12°45'49" E
376.79'

S 11°53'53" W
451.40'

-L-
PI Sta 347+21.81
△ = 12° 04' 25.6" (LT)
D = 0° 52' 24.3"
L = 1,382.37'
T = 693.75'
R = 6,560.00'
SE = .04
RO = 200'

DETAIL 'J'
LATERAL BASE DITCH
(Not to Scale)



Min. D = 1.5 Ft.
B = 2 Ft.
b = 5 Ft.

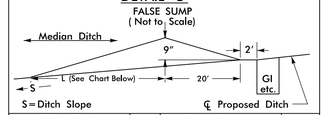
FROM STA. 346+50 TO STA. 348+50 RT. -L-
FROM STA. 348+50 TO STA. 350+00 RT. -L-
FROM STA. 348+50 TO STA. 351+00 LT. -L-
FROM STA. 345+00 TO STA. 348+50 LT. -L-

DETAIL 'E'
SPECIAL CUT DITCH
(Not to Scale)

Min. D = 1.5 Ft.

FROM STA. 351+00 TO STA. 354+10 LT. -L-

DETAIL 'U'
FALSE SUMP
(Not to Scale)



S = Ditch Slope
℄ Proposed Ditch

Ditch Grade	L	Ditch Grade	L
0.0% To 2.0%	20'	Over 4.0% To 6.0%	40'
Over 2.0% To 4.0%	30'	Over 6.0%	50'

+82.08
799.81

54
RICHARD H. PARKER, SR. ET UX
DB 165 PG 729
SECOND TRACT

DRY POND

-BL- 36

-BL- 37

CL 'B' RIP RAP
EST. 2 TONS
EST. 7 SY GEOTEXTILE

2' LATERAL BASE DITCH
GRASS LINED
SEE DETAIL 'J'
APPROX. 256 CY DDE

CL 'I' RIP RAP
EST. 10 TONS
EST. 23 SY GEOTEXTILE

2' LATERAL BASE DITCH
GRASS LINED
SEE DETAIL 'J'
APPROX. 178 CY DDE

SPECIAL CUT DITCH
GRASS LINED
SEE DETAIL 'E'

CL 'B' RIP RAP
EST. 2 TONS
EST. 7 SY GEOTEXTILE

MATCHLINE -L- STA. 341+00.00 SEE SHEET 6

MATCHLINE -L- STA. 354+00.00 SEE SHEET 8

10' PS
24'
.04
4' PS
46' MED.
4' PS
36'
.04
10' PS

580' FULL LANE

300' TAPER

0707 15" RCP-IV
0703 36" RCP-IV
0705
0704 15" RCP-IV
0706 2GI
0702 FS 15" RCP-IV 3GI
0708 350
0701 36" RCP-IV
2GI-D
HW

2' LATERAL BASE DITCH
GRASS LINED
SEE DETAIL 'J'
APPROX. 54 CY DDE

2' LATERAL BASE DITCH
GRASS LINED
SEE DETAIL 'J'
APPROX. 50 CY DDE

54
RICHARD H. PARKER, SR. ET UX
DB 165 PG 729
SECOND TRACT

SEE SHEET 34 FOR -L- PROFILE

REVISIONS
8/17/99

3/5/2015
R-2514D_Rdy_psh_07.dgn
R-2514D_01\Cadd\R2514D_Roadway_Proj\R2514D_Rdy_psh_07.dgn
thuffman