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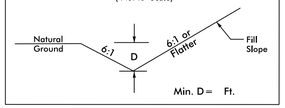
8/17/99

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



FROM STA. 12+70 LT TO STA. 13+00 LT

-L-	
PI Sta 12+58.67	PI Sta 17+41.31
△ = 16° 57' 18.1" (LT)	△ = 23° 31' 52.9" (RT)
D = 4° 05' 33.2"	D = 4° 18' 28.6"
L = 414.29'	L = 546.23'
T = 208.67'	T = 277.02'
R = 1,400.00'	R = 1,330.00'
RUNOFF = 180'	RUNOFF = 180'
SE = 6%	SE = 6%

NAD 83 / 2011

STV 100 Years
STV Engineers, Inc.
900 West Trade St., Suite 715
Charlotte, NC 28202
NC License Number F-0991

PROJECT REFERENCE NO.	SHEET NO.
B-5813	4
R/W SHEET NO.	

ROADWAY DESIGN ENGINEER
NORTH CAROLINA PROFESSIONAL ENGINEER SEAL 039234 NIKKI T. HONEYCUTT
SEAL 039234 7/9/2021 ENGINEER NIKKI T. HONEYCUTT

HYDRAULICS ENGINEER
NORTH CAROLINA PROFESSIONAL ENGINEER SEAL 029388 EDWARD J. VANCE
SEAL 029388 7/9/2021 ENGINEER EDWARD J. VANCE

DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED

BEGIN TIP PROJECT B-5813
-L- POC STA. 12+70.00

13+00 14+00 PRC Sta. 14+64.29 15+00 16+00 17+00

+70.00 55.00 (R/W)
+70.00 EX. ROW 30.37
SPECIAL LATERAL 'V' DITCH (SEE DETAIL F)
+55.00 55.00
1345' R
+50.00 65.00
+64.29 55.00
1 DON M. RITCHIE DB 509 PG 126
+95.00 62.00
1385' R
+30.95 82.42
+39.40 81.90
+29.96 65.00
+38.74 68.00
+29.38 55.00
+38.11 55.00
+00.00 55.00
PUE
TDE
C
30' TYP.
360' SHIFT TAPER (LT & RT)
+16.00
+50.00
B5813-2 +05.14 4.16'
+70.30
EXISTING R/W
4" FDPS
8:1
GREU TL-3
9' FDPS
DH UTILITY ELEV 2358.64
-L-
NC 73
TO MT PLEASANT
24' ASPH NC 73
.022 .044 .04 .03 .02 .01 .00 .01 .02 .03 .04 .05 .06
12'
+00.00 EX. ROW 29.61
+80.00 EX. ROW 29.55
+64.29 EX. ROW 37.58
+45.00 45.00
10' R
11'
15" RCP
RETAIN
GRADE AREA TO DRAIN
GRADE TO DRAIN
+70.00 56.00
+71.01
2 MITCHELL S. RAMSEY DB 9164 PG 256
BK DK ISFD DK
S 77°15'13" E 136.75'
WOODS
MATCHLINE -L- STA 18+00 (SHEET 5)

SEE SHEET 9 FOR -L- PROFILE

7/9/2021
rdeskey\proj\SHT\B5813_rdy_pst04.dgn
Mpreed05