METRIC	PROJECT REFERENCE NO.	SHEET NO.
2.5 0 5	U-2913B	23
CONST.REV.	R /W SHEET NO.	
R /W REV.	ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER

NORTH CAROLINA PROFESSIONAL SEAL 14571 ENGINEER JAMES A. SPEER — 10/20/04

NORTH CAROLINA PROFESSIONAL SEAL 19775 ENGINEER RAY D. LOVINGGOOD — 20 OCT 04

REVISIONS

8/17/99

NAD 83

DANIEL W. &
FAYE P. VADEN
DB 2659 PG 178
PB 25 PG 6

S85°09'49"E
56.074 m

MATCH-LINE SEE SHEET 22

RICHARD CATES
DB 2658 PG 765
PB 25 PG 6

68

TAPER BASE WIDTH
FROM 0.9m TO 6.0m IN 15m

BASE DITCH
SEE DETAIL I

6.00m

2.0m

EST.8 TONS CL B RIP RAP
25 S.M.FILTER FABRIC

70

BOBBY L. MUNSEY
AND WIFE
DB 2797, PG 880

S86°57'10"W
38.231m

SWALE
PARALLEL TO CATES PROPERTY
DRIVEWAY

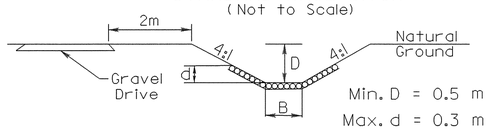
(FOLLOWING DATA ARE
FOR EXIT VELOCITIES)

D.A. = 6.52 Ha
Q10 = 0.525 cms
V10 = 0.61 m/s

BZ 2
BZ 1
LTZ
RETAIN
WLB

+60.000 -Y14-
108.000m (354.33')
@ EXIST. R/W

DETAIL I
STANDARD BASE DITCH
(Not to Scale)



Min. D = 0.5 m
Max. d = 0.3 m
B = 0.9 m

Type of Liner = PERMANENT SOIL REINFORCEMENT MAT

-Y14- STA 15+50 RT
L = 86m, SLOPE = 2.24 %
DDE = 240 m^3

13-OCT-2004 16:25
C:\projects\u2913bs23.dgn
Model: Driver
Active Setup: RD212399

RD212399 Wednesday October 13 2004 u2913bs23.m DWGardner rd-07oce34