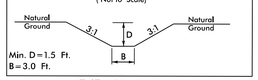
DocuSign Envelope ID: E5B797FE-D01D-4EB4-B7A7-8D808375578F

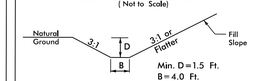
8/17/99

DETAIL 2
STANDARD BASE DITCH
(Not to Scale)



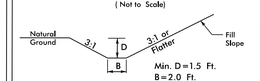
AT STA. 27+91 –Y7– LT

DETAIL 8
SPECIAL LATERAL BASE DITCH
(Not to Scale)



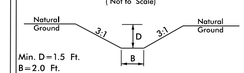
FROM STA. 24+30 TO STA. 34+50 –Y7– RT

DETAIL 9
SPECIAL LATERAL BASE DITCH
(Not to Scale)



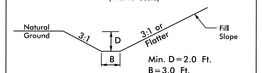
FROM STA. 10+38 TO STA. 22+00 –Y7– LT
FROM STA. 10+50 TO STA. 24+30 –Y7– RT

DETAIL 10
STANDARD BASE DITCH
(Not to Scale)



AT STA. 21+55 –Y7– LT

DETAIL 37
SPECIAL LATERAL BASE DITCH
(Not to Scale)



FROM STA. 26+50 TO STA. 29+00 –Y7– LT

–Y7–

PI Sta 13+22.16
Δ = 1° 02' 54.9" (RT)
D = 0° 36' 46.1"
L = 171.11'
T = 85.56'
R = 9,349.58'
SE = NC

PI Sta 15+37.24
Δ = 2° 02' 36.5" (LT)
D = 0° 47' 20.1"
L = 259.02'
T = 129.53'
R = 7,262.60'
SE = 025

PI Sta 18+92.81
Δ = 1° 08' 25.6" (LT)
D = 0° 15' 08.1"
L = 452.13'
T = 226.07'
R = 22,714.90'
SE = NC

PI Sta 21+78.77
Δ = 1° 11' 52.1" (RT)
D = 1° 00' 00.0"
L = 119.78'
T = 59.89'
R = 5,729.58'
SE = 025

PI Sta 27+72.88
Δ = 0° 52' 06.7" (LT)
D = 0° 43' 40.9"
L = 119.30'
T = 59.65'
R = 7,870.00'
SE = NC

NV5
NV5 ENGINEERS & CONSULTANTS, INC.
3300 REGENCY PARKWAY, SUITE 100
CARY, NC 27518
P: 919.851.1912 www.NV5.com
NC license # F-1333
formerly CALTY Engineers & Consultants

PROJECT REFERENCE NO.	SHEET NO.
R-5819 /R-5820	20
R/W SHEET NO.	

ROADWAY DESIGN ENGINEER
4/13/2022
NORTH CAROLINA PROFESSIONAL SEAL 017265 ENGINEER STEVE ANTHONY ORMA
Docusigned by: Steve Anthony Orma
DocuSigned by:

HYDRAULICS ENGINEER
4/13/2022
NORTH CAROLINA PROFESSIONAL SEAL 039102 ENGINEER BRANDON T. BARHAM
Brandon Barham

DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED

NAD 83/NA 2011

MATCH LINE –Y7– STA 14+00.00
SEE SHEET 15

MATCH LINE –Y7– STA 28+00.00
SEE SHEET 21

–Y7– PRC Sta. 14+07.72
–Y7– PCC Sta. 16+66.74
–Y7– PRC Sta. 21+18.87
–Y7– PC Sta. 27+13.23
–Y7– PT Sta. 22+38.65

–Y7– GEORGIA RD
SR 1138 GEORGIA RD 24' PAVED

+07.72 –Y7– 50.00' LT
+07.72 –Y7– 40.00' LT
+66.74 –Y7– 50.00' LT
+66.74 –Y7– 40.00' LT
+00.00 –Y7– 55.00' LT
+00.00 –Y7– 92.00' LT 75.00' LT 55.00' LT 40.00' LT
+41.00 –Y7– 92.00' LT 75.00' LT 55.00' LT 40.00' LT
+90.00 –Y7– 76.00' LT 40.00' LT
+12.00 –Y7– 76.00' LT 40.00' LT
+13.23 –Y7– 40.00' LT
+77.00 –Y7– 60.00' LT 40.00' LT
+52.00 –Y7– 60.00' LT
+16.00 –Y7– 40.00' LT
+18.87 –Y7– 40.00' LT
+38.65 –Y7– 40.00' LT
+07.72 –Y7– 40.00' RT
+66.74 –Y7– 40.00' RT
+28.00 –Y7– 60.00' RT
+18.87 –Y7– 40.00' RT
+38.65 –Y7– 40.00' RT
+52.00 –Y7– 54.00' RT
+13.23 –Y7– 40.00' RT

ISRAEL M. CAMPBELL AND WIFE, PATRICIA L. CAMPBELL
RB 915 PG 658
PB 84 PG 22
39

DAVID B. GOLDSTON, JR. HEIRS
RB 775 PG 558
43

NANCY M. SIGMON
DB 282 PG 441
PB 47 PG 25
50

TERRY ANNE WARD COCKERHAM 2001 TRUST
TERRY ANNE WARD COCKERHAM, TRUSTEE
RB 677 PG 705
46

DOROTHY LEE JONES HEIRS
RB 845 PG 337
PB 79 PG 99
35

HAROLD SHAW, WIDOWER
RB 845 PG 333
PB 79 PG 99
36

MARIAH L. GRAHAM HEIRS
RB 845 PG 335
PB 79 PG 99
37

MOSES LENNON, WIDOWER
RB 753 PG 242
PB 79 PG 99
38

FRANKIE D. CAMPBELL AND WIFE, MABEL G. CAMPBELL
RB 559 PG 191
40

GEORGE MAULTSBY HEIRS
C/O HAROLD MAULTSBY
DB 105 PG 246
41

TERRY W. COCKERHAM
WB 14-E PG 207
PB 60 PG 79
47

CEASAR LAVENDER, SR. HEIRS
DB PI PG 511
PB 60 PG 79
48

TERRY ANNE WARD COCKERHAM 2001 TRUST
TERRY ANNE WARD COCKERHAM, TRUSTEE
RB 677 PG 705
45

S 03°46'47" E 145.28'
N 86°15'13" E 147.51'
S 03°46'47" E 145.01'
S 03°58'58" E 417.25'
S 03°58'58" E 397.50'
S 05°58'26" E 210.48'
N 03°45'08" W 683.53'
N 05°49'30" W 293.54'
S 15°00'49" E 305.05'
S 15°29'00" E 414.29'
S 15°29'00" E 357.29'
S 15°29'00" E 61.90'
N 86°16'59" E 104.28'
N 23°18'32" E 434.60'
S 04°30'04" E 262.30'
S 86°14'56" W 200.87'
N 86°19'02.2" E

SOIL BORINGS
B3
ISFD
CONC
SEPTIC TANK AND DRAIN LINES
PIPE NOT FOUND
PUMP HOUSE
GREENHOUSE
GREENHOUSE RUINS
DO NOT DISTURB PUMP HOUSE
24' INC. + 42.63' FILL EXISTING CHANNEL TO ELEV. = 59.5'
SPECIAL LATERAL BASE DITCH SEE DETAIL 37
CLASS B RIP RAP EST 8 TONS EST 21 SY GEOTEXTILE
STANDARD BASE DITCH SLOPE = 2.3% EST DDE = 5 CY SEE DETAIL 2
SPECIAL LATERAL BASE DITCH SEE DETAIL 9
SPECIAL LATERAL BASE DITCH SEE DETAIL 10
SPECIAL LATERAL BASE DITCH SEE DETAIL 8
REMOVE
PIPE NOT FOUND 18"
WOODS
EXISTING R/W
WLB
EIP
REBAR
NAIL
BY7-48
BY7-49
JB w/MH
18" RCP-IV
24" RCP-IV
30" RCP-IV
15" RCP-IV
4' PS
12' 12'
24'

NOTES:
PROP PAVED SHOULDER
ALL DRIVEWAY RADII ARE 5' UNLESS OTHERWISE NOTED
FOR –Y7– PROFILE, SEE SHEET 35 & 36

4/8/2022
R:\Projects\Proj\R5819_R5820_RDY_PSH20.dgn
Eric.Martin