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PROJECT REFERENCE NO.	SHEET NO.
R-5864	4
R/W SHEET NO.	
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER

NORTH CAROLINA PROFESSIONAL SEAL 042339 ENGINEER THEARA BAIN — DocuSigned by: Thiara Bain

NORTH CAROLINA PROFESSIONAL SEAL 032312 ENGINEER CARLES W. HEARNE — DocuSigned by: Carles W. Hearne — 07-01-2019

DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED

PARCEL NO.	OWNER NAME	DEED INFORMATION
1	DIVIDE LANDS INC.	DB 679 PG 2292
2	GEOFFREY HARTWIG MARCIA JORDAN HARTWIG	DB 698 PG 1606
3	JANICE BERGMAN	DB 652 PG 242
4	MICHELE SETTE	DB 685 PG 404

NAD 83/NA 2011

GARY CUPP
DB 679 PG 2299

JANICE BERGMAN
DB 652 PG 242

DIVIDE LANDS INC.
DB 679 PG 2292

GEOFFREY HARTWIG
MARCIA JORDAN HARTWIG
DB 698 PG 1606

MICHELE SETTE
DB 685 PG 404

RUTH RAMSEY
DB 334 PG 450

CATHERINE RAMSEY SETSER
RONNIE RAMSEY
DB 1997E PG 146

JOHNNY R. HOFFMAN III
DB 668 PG 706

UTILITY OWNERS
HAYWOOD EMC
376 GRINDSTONE PL
WAYNESVILLE, NC 28785
AT&T
1408 PATTON AVE
ASHEVILLE, NC 28806

BM #1
-BL- STA 5+00.00
S 78° 37' 40" W DIST. 110.77
ELEV. 3884.41'

BM #2
-BL- STA 11+20.07
0.28 RIGHT
ELEV. 3924.24'

BM #3
-BL- STA 16+57.13
N 49° 04' 33" E DIST. 46.89
ELEV. 3958.36'

PI Sta 11+24.80
Δ = 29° 29' 38.2" (RT)
D = 31° 49' 51.6"
L = 92.66'
T = 47.38'
R = 180.00'
e = 0.030 (EX)
RUNOFF = 35'

PI Sta 16+11.86
Δ = 29° 34' 26.4" (RT)
D = 38° 11' 49.9"
L = 77.42'
T = 39.60'
R = 150.00'
e = 0.020
RUNOFF = 32'

PI Sta 18+45.41
Δ = 66° 53' 11.1" (RT)
D = 71° 37' 11.0"
L = 93.39'
T = 52.84'
R = 80.00'
e = 0.035
RUNOFF = 40'

PI Sta 19+95.42
Δ = 11° 30' 43.9" (RT)
D = 19° 05' 54.9"
L = 60.28'
T = 30.24'
R = 300.00'

PI Sta 20+64.73
Δ = 36° 14' 54.5" (RT)
D = 47° 44' 47.3"
L = 75.92'
T = 39.28'
R = 120.00'

PI Sta 12+55.29
Δ = 33° 51' 00.4" (LT)
D = 20° 27' 46.0"
L = 165.42'
T = 85.20'
R = 280.00'
e = 0.024 (EX)
RUNOFF = 28'

PI Sta 14+23.38
Δ = 82° 36' 46.6" (LT)
D = 57° 17' 44.8"
L = 144.19'
T = 87.87'
R = 100.00'
e = 0.032
RUNOFF = 37'

PI Sta 17+23.56
Δ = 67° 43' 32.5" (LT)
D = 108° 06' 18.9"
L = 62.65'
T = 35.56'
R = 53.00'
e = 0.040
RUNOFF = 46'

PI Sta 19+26.10
Δ = 22° 41' 32.3" (LT)
D = 28° 38' 52.4"
L = 79.21'
T = 40.13'
R = 200.00'

PI Sta 22+20.82
Δ = 12° 05' 44.1" (LT)
D = 15° 16' 43.9"
L = 79.17'
T = 39.73'
R = 375.00'

-BL-1 5+00.00 POT
-BL-2 6+25.77 PINC
-BL-3 8+46.95 PINC
-BL-4 10+12.62 PINC
-BL-5 12+27.33 PINC
-BL-6 13+49.79 PINC
-BL-7 15+17.65 PINC
-BL-8 16+57.13 POT

PC Sta. 10+77.42
PRC Sta. 11+70.08
PC Sta. 13+35.50
PRC Sta. 18+85.96
PRC Sta. 19+65.18
PC Sta. 21+81.09
PT Sta. 22+60.25
PC Sta. 17+92.57
PT Sta. 17+50.24
PC Sta. 20+25.45
PT Sta. 21+01.37
PC Sta. 15+72.27
PT Sta. 14+79.69
PC Sta. 16+87.99
PC Sta. 16+49.69

BEGIN PROJECT R-5864
BEGIN CONSTRUCTION
-L- STA.13+35.50

END PROJECT R-5864
END CONSTRUCTION
-L- STA.18+80.00

END GRADE
-L- STA.18+50.00

BEGIN V-DITCH
END BASE DITCH

BEGIN PROP. RETAINING WALL (RW1)
-L- STA.13+48.15

BEGIN SINGLE-FACED BARRIER
-L- STA.13+60.00

END PROP. RETAINING WALL (RW1)
-L- STA.18+60.00

END SINGLE-FACED BARRIER
-L- STA.18+43.00

SPECIAL CUT DITCH W/CLASS B RIP RAP SEE DETAIL C

SPECIAL CUT DITCH W/CLASS A RIP RAP SEE DETAIL B

CONC. DITCH BEHIND RET. WALL SEE DETAIL A

PROP. RET. WALL W/ CHAIN-LINK FENCE & SINGLE-FACED BARRIER

SUPPLEMENT EXISTING RIP RAP W/CL B

LINE EXIST. DITCH W/CLASS B RIP RAP 13+14 TO 13+48

SEE DITCH TRANSITION DETAIL

15" RCP-IV

2GI

REMOVE & REPLACE EXISTING 18" CMP

RETAIN

SLIDE AREA

EXISTING ONE-LANE TWO-WAY SECTION

SR 1395 COVE CREEK RD.

N 34° 52' 42.1" E

N 46° 58' 26.2" E

N 80° 08' 23.9" E

N 22° 44' 41.5" E

N 6° 49' 44.9" W

N 44° 58' 51.0" W

ROADWAY CROSS SLOPE TO SLOPE TOWARDS WALL AT SLIDE AREA LOCATION

DITCH TRANSITION DETAIL

DETAIL A
CONCRETE DITCH BEHIND RETAINING WALL
(Not to Scale)
D= 1.0 FT
B= 1.0 FT
FROM STA. 13+48 TO STA. 18+60 LT

DETAIL B
SPECIAL CUT DITCH
(Not to Scale)
Type of Liner= CL A Rip-Rap
Min. D=1.0 Ft.
Max. d=1.0 Ft.
FROM STA. 13+48 TO STA. 13+60
(NO SINGLE FACE BARRIER)

FROM STA. 13+60 TO STA. 13+80
FROM STA. 17+60 TO STA. 18+20
FROM STA. 18+20 TO STA. 18+43

DETAIL C
SPECIAL CUT DITCH
(Not to Scale)
Type of Liner= CL B Rip-Rap
Min. D=1.5 Ft.
Max. d=1.5 Ft.
FROM STA. 18+43 TO STA. 18+80 LT

NOTE:
GUARDRAIL NOT PROPOSED PER NCDOT CONVERSATION.

SEE SHEET W-1 FOR RETAINING WALL NO. 1 -RW1- ENVELOPE
SEE SHEET 5 FOR -L- PROFILE

5/14/99

7/1/2019
Slide Repair R-5864\Roadway\Proj\R5864_rdy_psh04_alt3.dgn