8/17/99

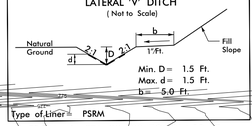
PROJECT REFERENCE NO.	SHEET NO.
B-5142	EC-5/CONST.5
R/W SHEET NO.	
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER

ENVIRONMENTALLY SENSITIVE AREA
SEE PROJECT SPECIAL PROVISIONS

NOTE:
PLACE TEMPORARY ROCK SEDIMENT DAMS TYPE – B AND TEMPORARY ROCK SILT CHECKS TYPE – A AT DRAINAGE OUTLETS.

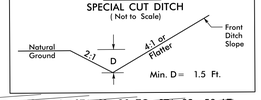
CLEARING AND GRUBBING
EROSION CONTROL FOR
CONSTRUCTION SHEET 5

DETAIL A
LATERAL 'V' DITCH
(Not to Scale)



Type of Liner PSRM
FROM –L– STA 28+00 TO 31+00 LT

DETAIL B
SPECIAL CUT DITCH
(Not to Scale)



FROM –L– STA. 31+20 TO STA. 32+50 LT

-L- STA. 20+25.00
MATCHLINE SEE SHEET 4

FLOATING TURBIDITY CURTAIN

7 DUKE ENERGY

SEE DRAWING 2G-1 FOR ROCK PLATING AND ROCK EMBANKMENT DETAIL.

SBG –L– STA. 17+30 RT TO END OF BRIDGE

SBG –L– STA. 20+79 LT TO END OF BRIDGE

CORNELIUS CREEK/ LAKE NORMAN

BEGIN BRIDGE
-L- STA. 21+06.00

END BRIDGE
-L- STA. 23+06.00

CL II RIP RAP TO EL. 760.0 175 TONS (21+94)

CL II RIP RAP TO EL. 760.0 175 TONS (23+18)

SBG –L– STA. 24+12 LT TO END OF BRIDGE

-L- S 61° 24' 34.1" E

EXCAVATE EXISTING EMBANKMENT FROM EL. 747.0 AT 3H:1V SLOPE, TYP. EXCAVATION = 710CY EXCAVATION = 730CY

DRY DETENTION /HAZARDOUS SPILL BASIN SEE DETAIL SHEET 2D-01 DDE = 585CY

SBG END OF BRIDGE TO –L– STA. 25+40 RT

LOT LINE PER PB 32 PG 19

4 MAGNOLIA BAYS JV, LLC

SLF II INC.

3 TONS CL B RIP RAP 10 SY GEOTEXTILE

-Y3- PT Sta. 10+77.92
S 13° 35' 26.6" W

TRANSITION CURB & GUTTER TO MATCH EXISTING (-Y3- LT & RT)

END CONSTRUCTION
-Y3- STA. 11+45.00

-Y3- POT Sta. 11+60.37

25+00

30+00

S 87°40'26" E 70.30'

N 37°01'34" E 71.90'

S 82°14'26" E 30.20'

PROPERTY LINE FOLLOWS 760' CONTOUR (NGVD 29) PER DB 360 PG 290

3 CORNELIUS FAMILY, LLC

-L- PC Sta. 25+66.71

-Y3- POT Sta. 10+00.00 =
-L- PC Sta. 25+89.46
S 29° 31' 58.7" W

-L- PRC Sta. 28+21.74

LATERAL V DITCH
-L- STA 28+00 TO 31+00 LT
LINE WITH PSRM SEE DETAIL A
DDE = 139CY

-L- PT Sta. 30+76.78
S 61° 24' 34.1" E

-L- POT STA. 33+74.66

SPECIAL CUT DITCH
-L- STA 31+20 TO 32+50 LT
SEE DETAIL B

100' TAPER

TO HWY 21

CORNELIUS RD SR 1302

-Y3- PC Sta. 10+15.31

5 C. PRESTON CORNELIUS

6 C. PRESTON CORNELIUS

TWIN SISTERS LN (FORMERLY WINDY LANE SR 1433) AS PER DB 62 PG 87

ROCK COLUMN

ROCK SIGN

BK PAVERS

DEAD END

END TIP PROJECT B-5142
-L- POT STA. 33+38.79

PAVEMENT REMOVAL

SEE SHEET 2D-01 FOR DRY DETENTION/ HAZARDOUS SPILL BASIN DETAIL
SEE SHEET 6 FOR -L- PROFILE
SEE SHEET 7 FOR -Y3- PROFILE

05-JUL-2016 08:36
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microstation 8.1 new 2-4-750