UT TO BRUSHY CREEK STREAM RELOCATION

PROJECT REFERENCE NO.	SHEET NO.
R-2519B	2D-5

HYDRAULICS ENGINEER

NORTH CAROLINA PROFESSIONAL SEAL 20329 ENGINEER AMY A. BILLINGS

DocuSigned by: Amy A. Billings 9/5/2014

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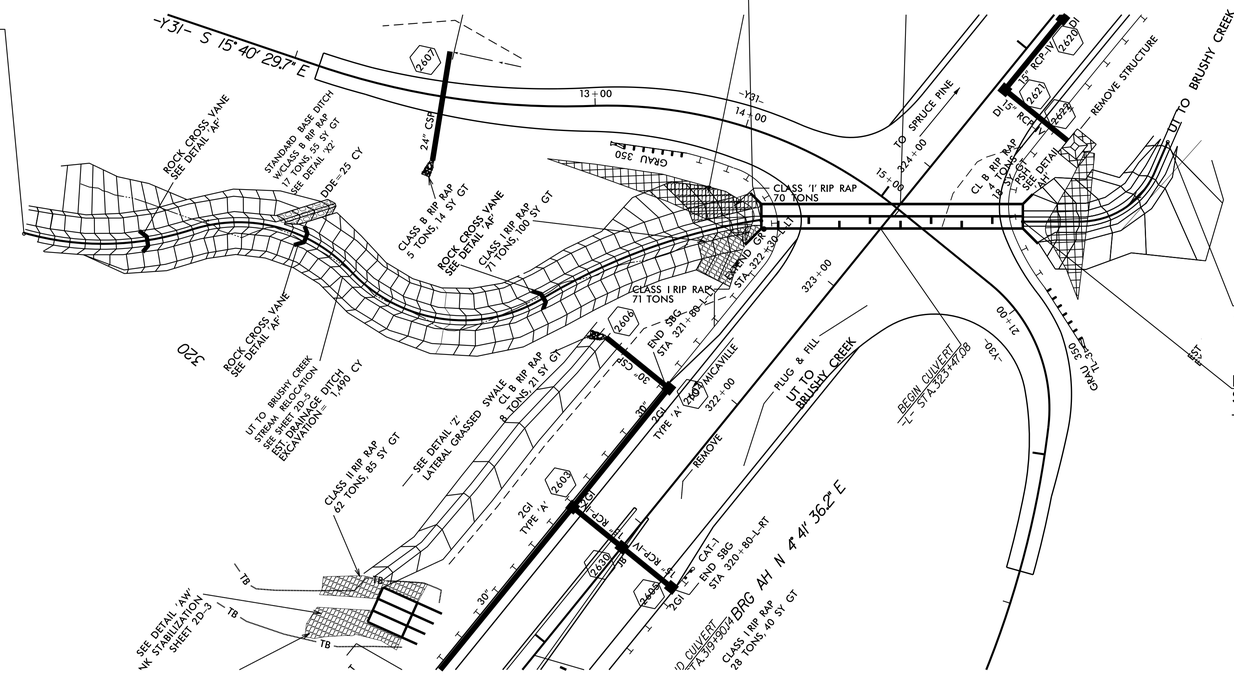
GRAPHIC SCALE 50' 0' 50' 100'

BEGIN STREAM RELOCATION
STA 10+00.00 UT TO BRUSHY CREEK
-L- STA 323+03.10 63.67 FT LT

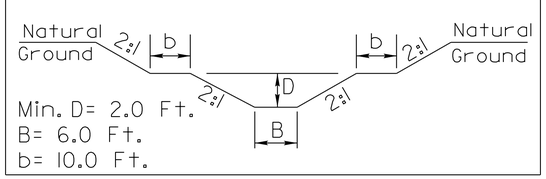
END STREAM RELOCATION
STA 15+14.4 UT TO BRUSHY CREEK
-L- STA 319+92.70 432.68 FT LT



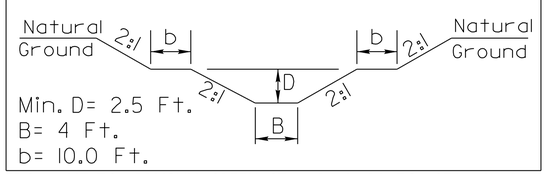
BEGIN STREAM RELOCATION
STA 10+00.00 U/S UT TO BRUSHY CREEK
-L- STA 325+10.93 110.14 FT RT

END STREAM RELOCATION
STA 11+20.9 U/S UT TO BRUSHY CREEK
-L- STA 324+10.51 69.42 FT RT

TYPICAL CHANNEL SECTION
(Not to Scale)



TYPICAL POOL SECTION
(Not to Scale)



FROM UT TO BRUSHY CREEK STA 12+01.39 TO STA 12+34.96
FROM UT TO BRUSHY CREEK STA 13+30.59 TO STA 13+59.00
FROM UT TO BRUSHY CREEK STA 14+33.50 TO STA 14+65.5

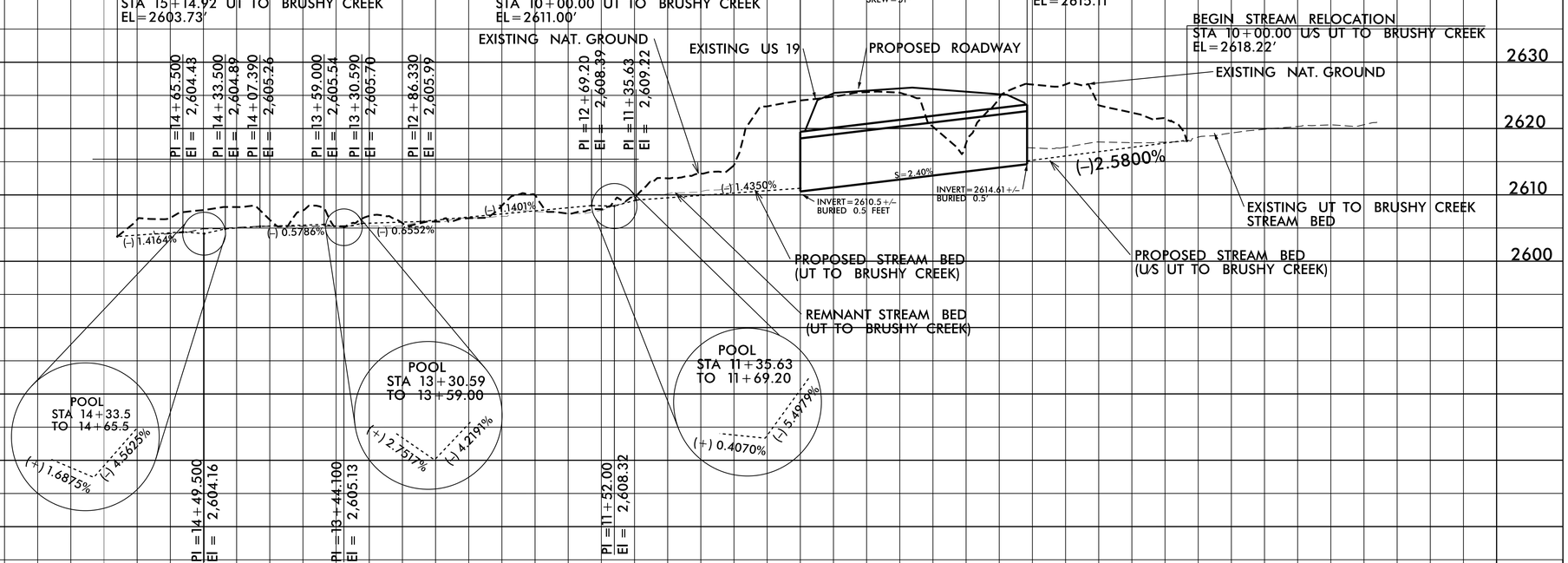
END STREAM RELOCATION
STA 15+14.92 UT TO BRUSHY CREEK
EL=2603.73'

BEGIN STREAM RELOCATION
STA 10+00.00 UT TO BRUSHY CREEK
EL=2611.00'

℄ PROPOSED 2@8'X8' RCBC
STA 323+58.66-L-
ELEV=2612.70'
SKEW=51°

END STREAM RELOCATION
STA 11+20.9 U/S UT TO BRUSHY CREEK
EL=2615.11'

BEGIN STREAM RELOCATION
STA 10+00.00 U/S UT TO BRUSHY CREEK
EL=2618.22'



UT TO BRUSHY CREEK CURVE DATA

PI -UT TO BRUSHY CREEK- Sta 14+60.89
△ = 33° 55' 04.9" (RT)
D = 30° 35' 31.4"
L = 110.87'
T = 57.11'
R = 187.29'

PI -UT TO BRUSHY CREEK- Sta 13+53.94
△ = 65° 09' 50.4" (LT)
D = 57° 17' 22.7"
L = 113.74'
T = 63.92'
R = 100.01'

PI -UT TO BRUSHY CREEK- Sta 12+34.37
△ = 78° 23' 23.4" (RT)
D = 56° 53' 52.5"
L = 137.77'
T = 82.11'
R = 100.70'

PI -UT TO BRUSHY CREEK- Sta 10+77.09
△ = 22° 06' 20.9" (LT)
D = 14° 31' 07.6"
L = 152.26'
T = 77.09'
R = 394.63'

U/S UT TO BRUSHY CREEK CURVE DATA

PI-U/S UT TO BRUSHY CREEK-Sta 10+56.69
△ = 66° 50' 16.2" (RT)
D = 107° 32' 58.1"
L = 62.15'
T = 35.15'
R = 53.27'