PROJECT REFERENCE NO.	SHEET NO.
R-2519B	2D-6

HYDRAULICS ENGINEER

NORTH CAROLINA PROFESSIONAL SEAL 20329 ENGINEER HARRY A. BILLINGS

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

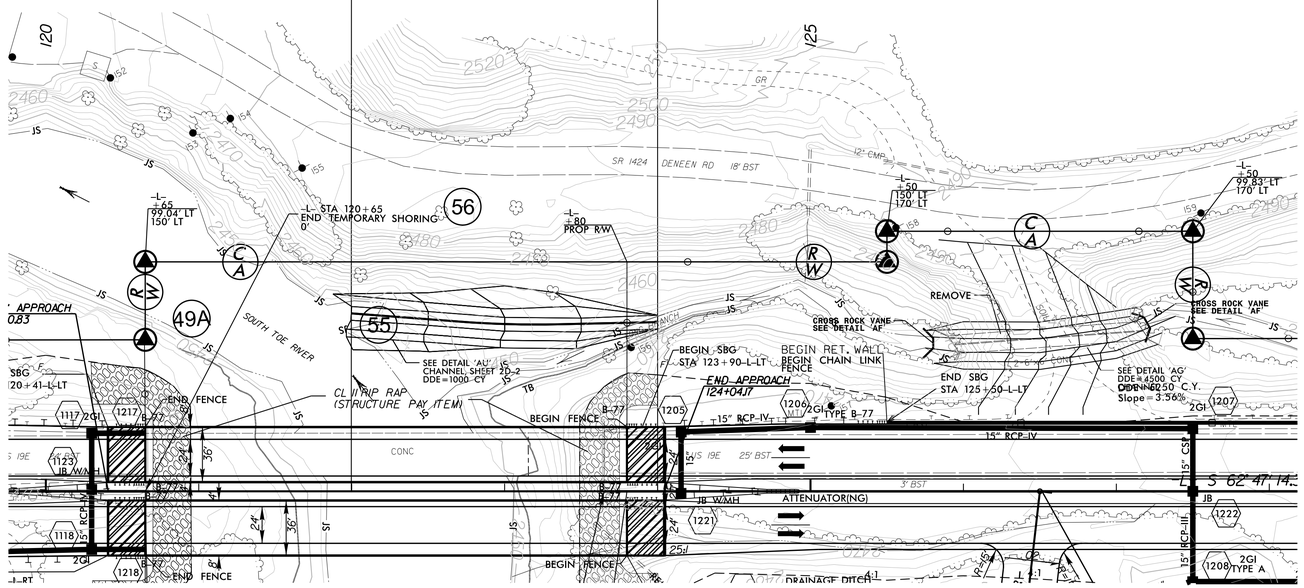
97088B640AB844A...

LONG BRANCH STREAM RELOCATION
SITE 5a

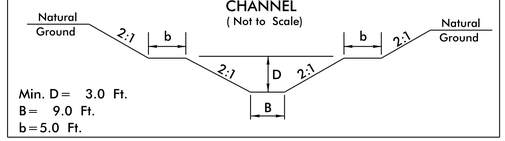
NAD 83

END STREAM RELOCATION
–LB STREAM– STA 12+00.23
–L– STA 121+99.74 116.33 FT LT

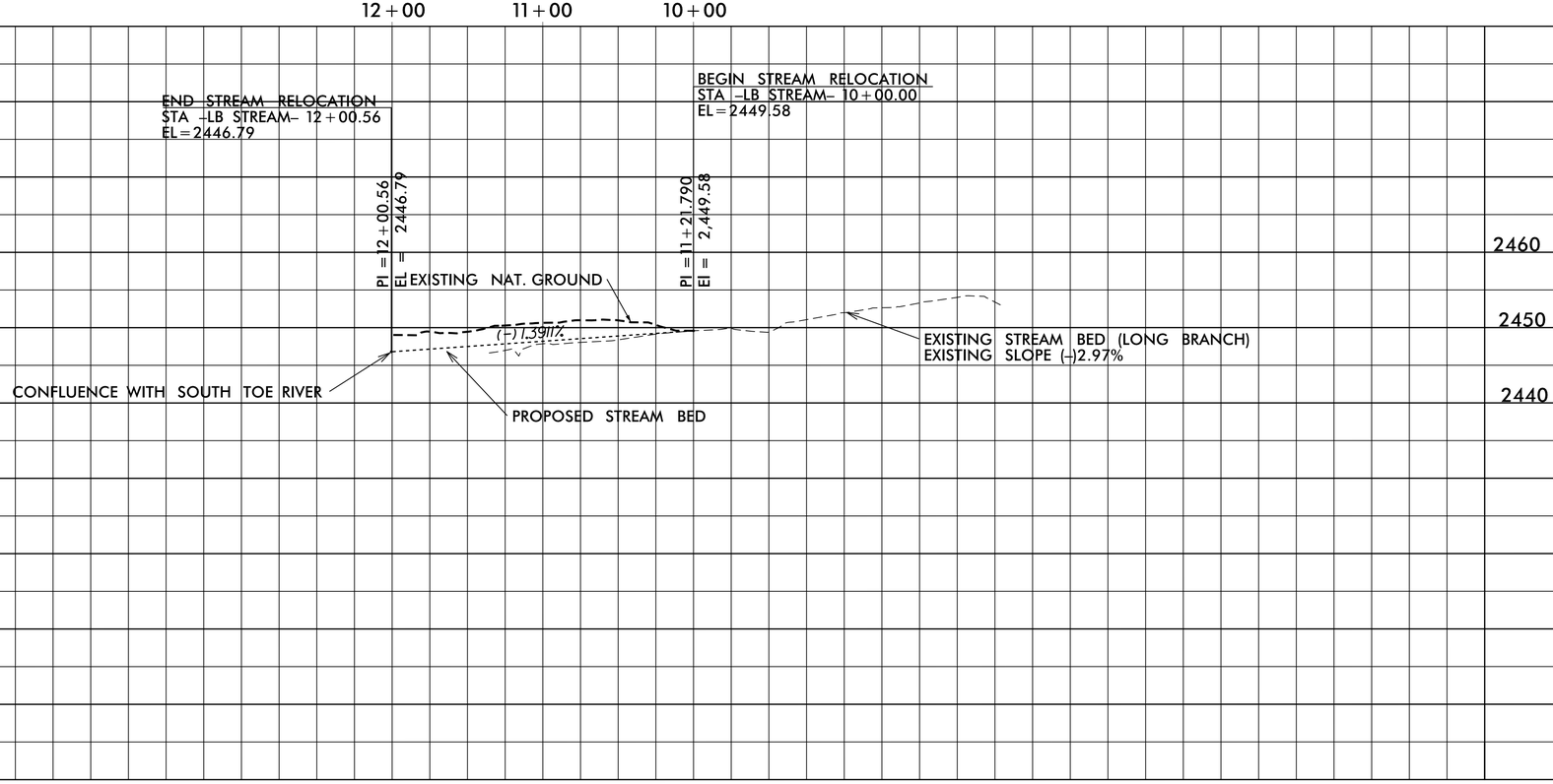
BEGIN STREAM RELOCATION
–LB STREAM– STA 10+00.00
–L– STA 124+00.03 110.60 FT LT



DETAIL 'AU'
CHANNEL
(Not to Scale)



FROM STA. 122+00 TO STA. 124+00 –L– LT



PROPOSED LONG BRANCH
HORIZONTAL ALIGNMENT

PI –LP STREAM– Sta 10+97.20
Δ = 5° 35' 17.0" (RT)
D = 8° 46' 14.7"
L = 63.71'
T = 31.88'
R = 653.26'