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WETHERILL ENGINEERING
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Raleigh, N.C. 27606
License No. F-0377
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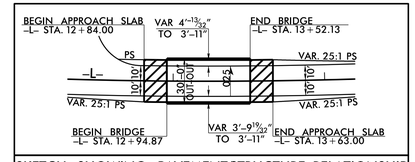
TRANSPORTATION PLANNING/DESIGN - BRIDGE/STRUCTURE DESIGN
CIVIL/SITE DESIGN - GIS/GPS - CONSTRUCTION OBSERVATION

PROJECT REFERENCE NO.	SHEET NO.
17BP.1.R.82	4
R/W SHEET NO.	

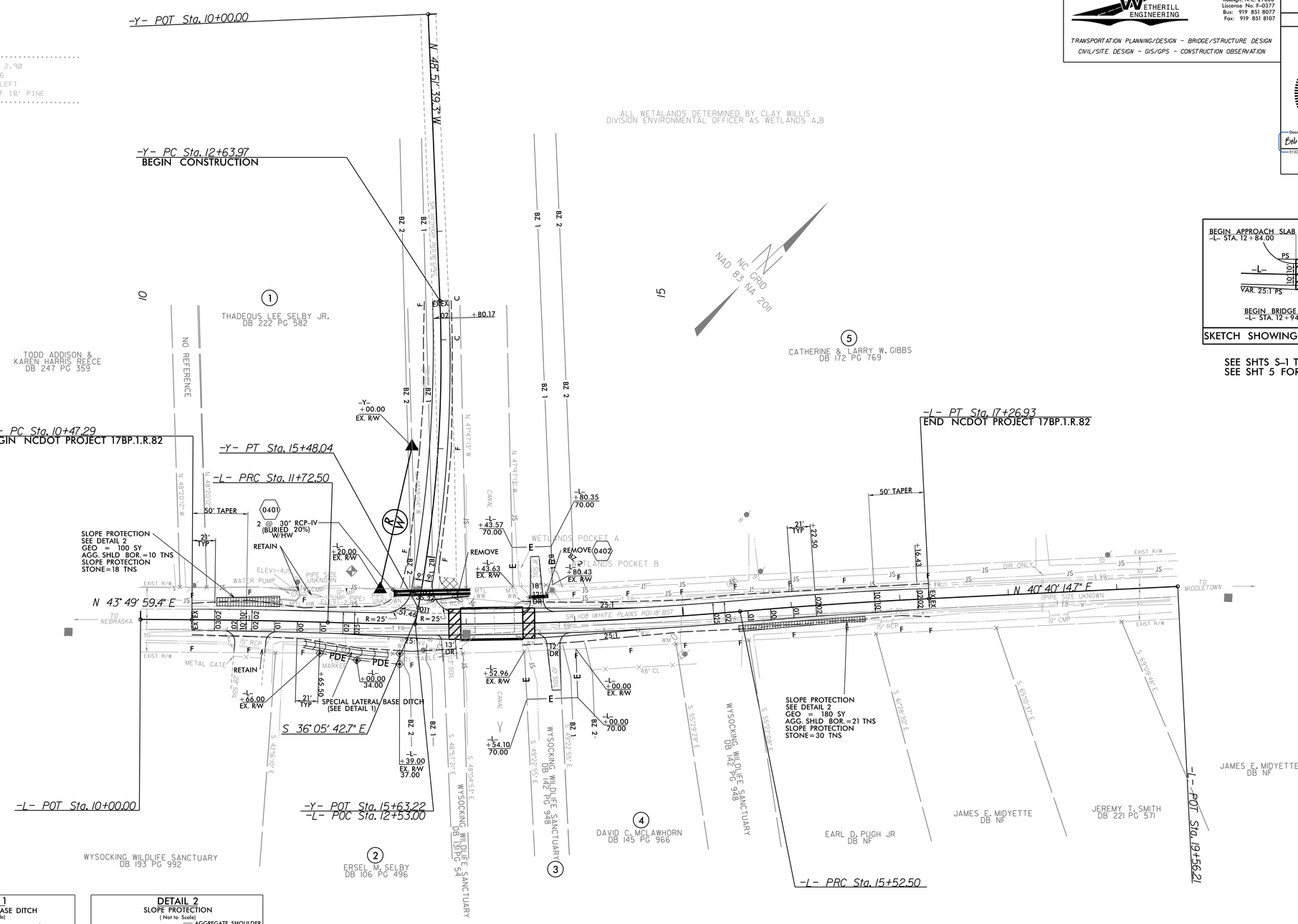
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER
8/15/2017	8/15/2017
NORTH CAROLINA PROFESSIONAL SEAL 21116 ENGINEER ROB A. MAY	NORTH CAROLINA PROFESSIONAL SEAL 18462 ENGINEER JAMES C. DAVIS
DocuSigned by: Rob A. May 5132B6A0D2D0485...	DocuSigned by: James C. Davis 2A0A0A0A0A0A0A0...

DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED

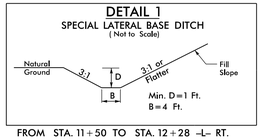


SKETCH SHOWING PAVEMENT/STRUCTURE RELATIONSHIP

SEE SHTS S-1 THRU S-17 FOR STRUCTURE PLANS
SEE SHT 5 FOR PROFILES

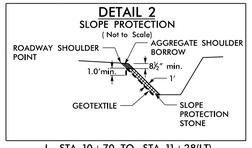


DETAIL 1
SPECIAL LATERAL BASE DITCH
(Not to Scale)



FROM STA. 11+50 TO STA. 12+28 -L- RT.

DETAIL 2
SLOPE PROTECTION
(Not to Scale)



-L- STA. 10+70 TO STA. 11+28(LT)
-L- STA. 15+50 TO STA. 16+67(RT)

-L-		
PI Sta 11+09.90	PI Sta 13+62.72	PI Sta 16+39.73
Δ = 1° 30' 14.4" (RT)	Δ = 6° 45' 41.8" (LT)	Δ = 2° 05' 42.7" (RT)
D = 1° 12' 04.2"	D = 1° 46' 45.7"	D = 1° 12' 04.2"
L = 125.21'	L = 380.00'	L = 174.43'
T = 62.61'	T = 190.22'	T = 87.22'
R = 4,770.00'	R = 3,220.00'	R = 4,770.00'
SE = NC	SE = 0.02 FT/FT	SE = NC
RO = SEE PLANS	RO = SEE PLANS	RO = SEE PLANS
DS = 40 MPH	DS = 40 MPH	DS = 40 MPH

-Y-
PI Sta 14+06.59
Δ = 12° 45' 56.6" (RT)
D = 4° 29' 37.6"
L = 284.08'
T = 142.63'
R = 1,275.00'
SE = 0.02 FT/FT
RO = SEE PLANS
DS = STOP CONDITION

5/14/99

8/15/2017
17BP.1.R.82_Rdy_psh_04.dgn
USER: RHiemann