PROJECT REFERENCE NO.	SHEET NO.
R-2514C	10
R/W SHEET NO.	

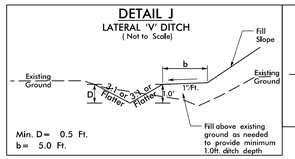
ROADWAY DESIGN ENGINEER
NORTH CAROLINA PROFESSIONAL SEAL 033871 ENGINEER DANIEL W GARDNER JR
3/26/2015
DocuSigned by: Daniel W. Gardner Jr.

HYDRAULICS ENGINEER
NORTH CAROLINA PROFESSIONAL SEAL 032581 ENGINEER BROOK E ANDERSON
3/25/2015
DocuSigned by: Brook E. Anderson

8/17/99

REVISIONS

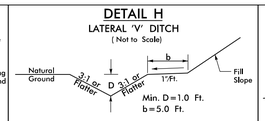
DETAIL J
LATERAL 'V' DITCH
(Not to Scale)



Min. D= 0.5 Ft.
b= 5.0 Ft.

–L– STA. 86+50 to STA. 89+00 LT
DDE=30 CY

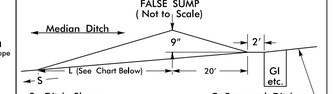
DETAIL H
LATERAL 'V' DITCH
(Not to Scale)



Min. D=1.0 Ft.
b=5.0 Ft.

–L– STA. 89+00 TO STA. 94+00 LT
DDE=451 CY

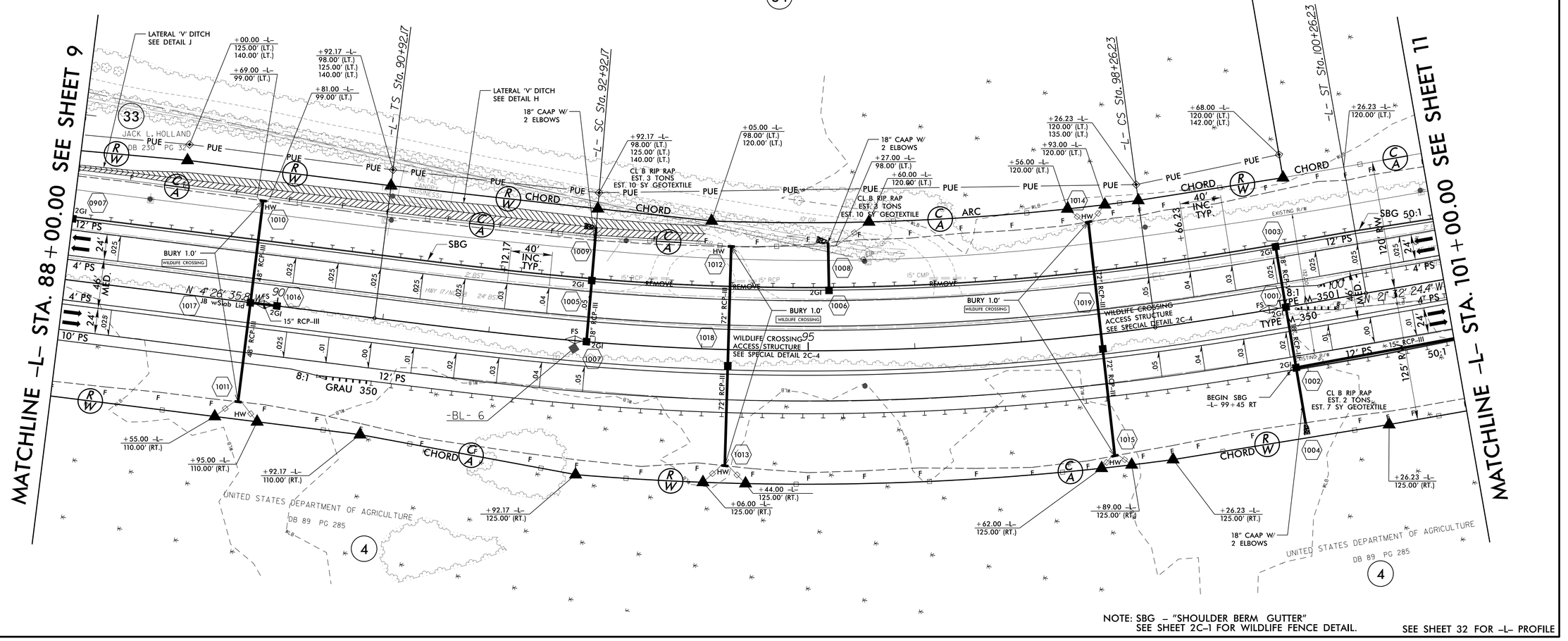
DETAIL AM
FALSE SUMP
(Not to Scale)



S=Ditch Slope ℄ Proposed Ditch

Ditch Grade	L	Ditch Grade	L
0.0% To 2.0%	20'	Over 4.0% To 6.0%	40'
Over 2.0% To 4.0%	30'	Over 6.0%	50'

–L–		
PIs Sta 92+25.52	PI Sta 95+60.26	PIs Sta 98+92.91
Θs = 2°19'44.7"	△ = 12°26'19.1" (LT)	Θs = 2°19'44.7"
Ls = 200.00'	D = 2°19'44.7"	Ls = 200.00'
LT = 133.34'	L = 534.05'	LT = 133.34'
ST = 66.68'	T = 268.08'	ST = 66.68'
	R = 2,460.00'	
	SE = .05	
	R0 = 200'	



NOTE: SBG – "SHOULDER BERM GUTTER"
SEE SHEET 2C-1 FOR WILDLIFE FENCE DETAIL.

SEE SHEET 32 FOR –L– PROFILE

3/23/2015
P:\R-2514C\Roadway\Proj\R2514C_Rdy_tsh_10.dgn
User: tshaw