PROJECT REFERENCE NO.	SHEET NO.
A-0009CA	13
R/W SHEET NO.	

ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER
DocuSigned by: Jimmy Terry FD39F38882E94D0... SEAL 35018 JIMMY L. TERRY 5/31/2022	DocuSigned by: Benjamin J. Henegar D7B6AA8B40FF437... SEAL 044158 BENJAMIN J. HENEGAR 5/31/2022

DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED

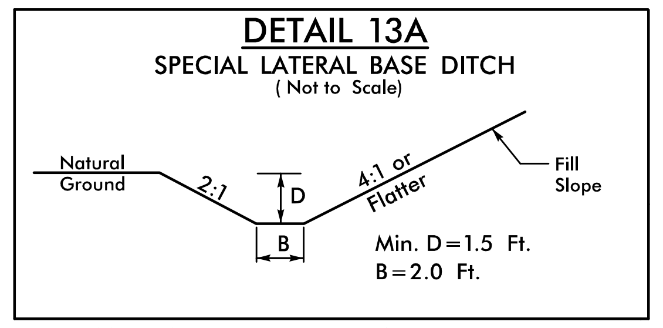
TGS ENGINEERS
201 W. MARION ST
SHELBY, NC 28150
PH (704) 476-0003
CORP. LICENSE NO.: C-0275

FOR CULVERT PLANS, SEE SHEET C4-1 THRU C4-8

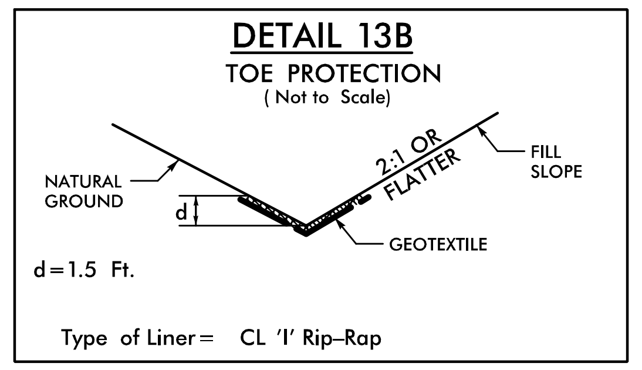
8/17/99

REVISIONS

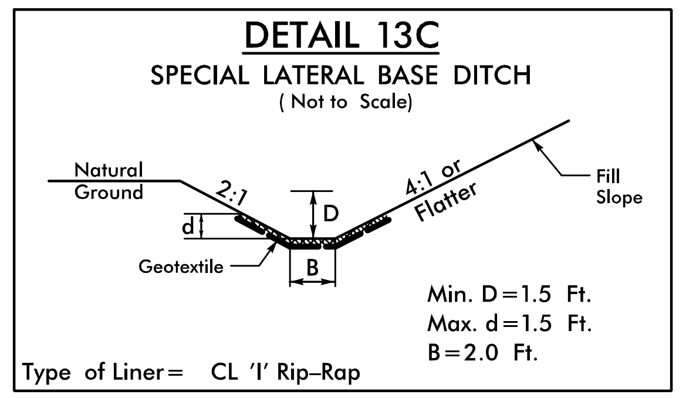
-L- CURVE DATA
PI Sta 117+87.67
Δ = 39° 02' 13.1" (RT)
D = 5° 30' 33.2"
L = 708.58'
T = 368.66'
R = 1,040.00'
SE = 0.08
DS = 55 MPH


DETAIL 13A
SPECIAL LATERAL BASE DITCH
(Not to Scale)

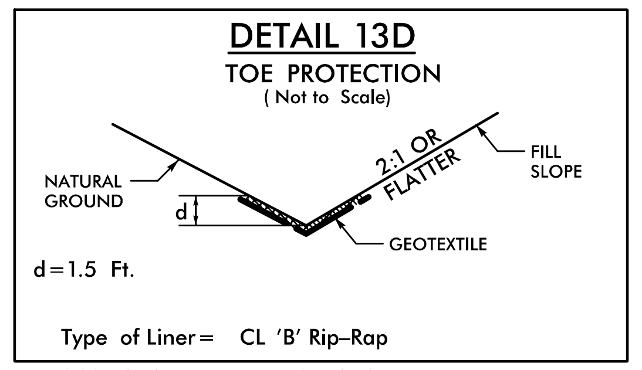
FROM STA.110+00 TO STA.110+50-L- LT.


DETAIL 13B
TOE PROTECTION
(Not to Scale)

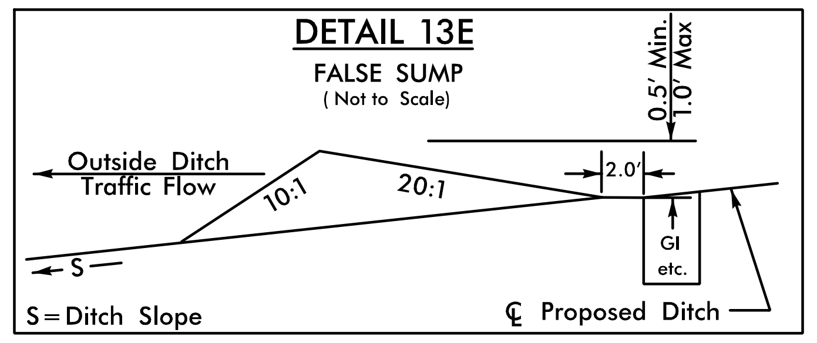
FROM STA.114+50 TO STA.116+00-L- LT.


DETAIL 13C
SPECIAL LATERAL BASE DITCH
(Not to Scale)

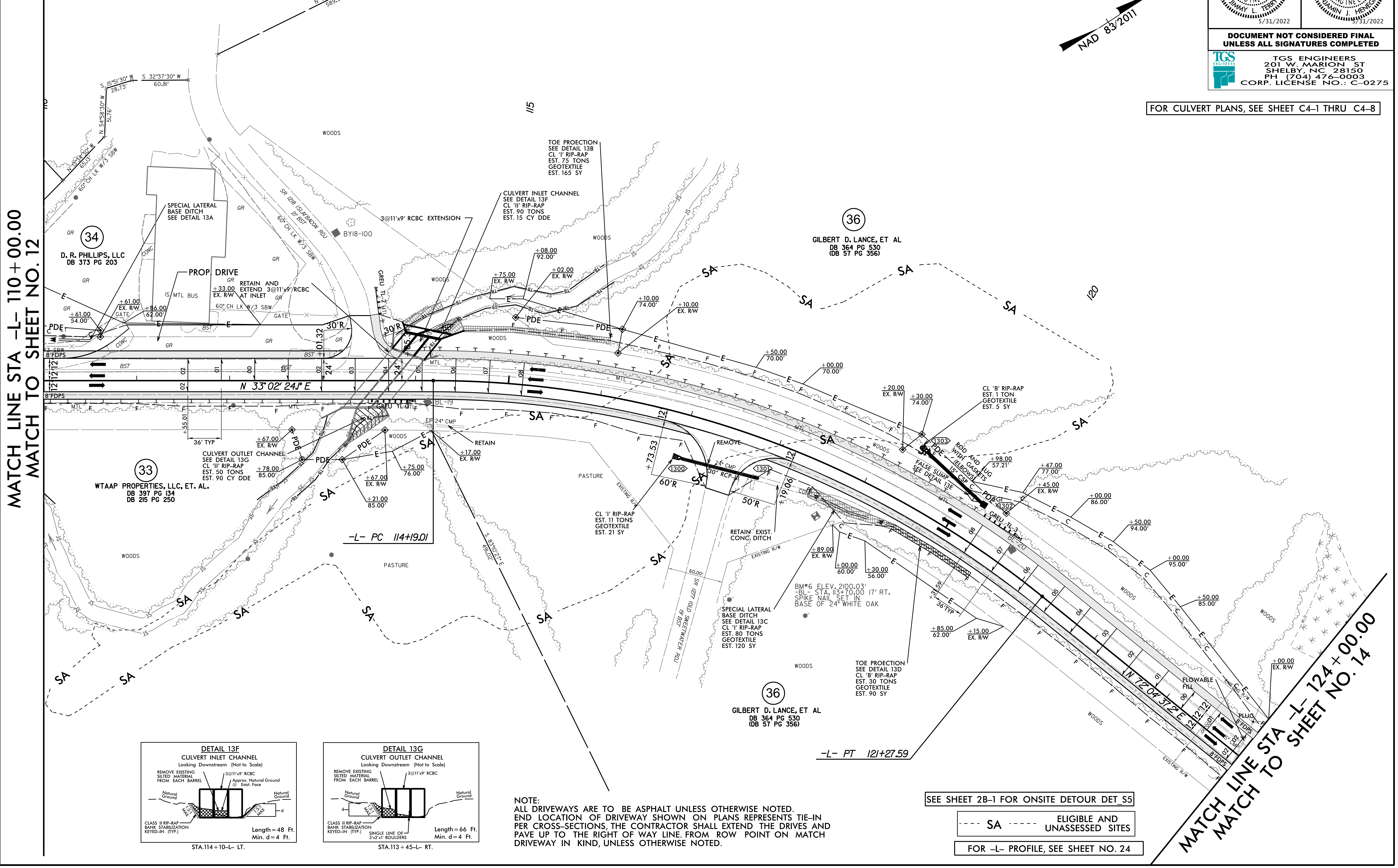
FROM STA.118+50 TO STA.119+50-L- RT.


DETAIL 13D
TOE PROTECTION
(Not to Scale)

FROM STA.119+50 TO STA.120+50-L- RT.


DETAIL 13E
FALSE SUMP
(Not to Scale)

STA.120+10-L- LT.



DETAIL 13F
CULVERT INLET CHANNEL
Looking Downstream (Not to Scale)

Length = 48 Ft.
Min. d = 4 Ft.

STA.114+10-L- LT.

DETAIL 13G
CULVERT OUTLET CHANNEL
Looking Downstream (Not to Scale)

Length = 66 Ft.
Min. d = 4 Ft.

STA.113+45-L- RT.

NOTE:
ALL DRIVEWAYS ARE TO BE ASPHALT UNLESS OTHERWISE NOTED.
END LOCATION OF DRIVEWAY SHOWN ON PLANS REPRESENTS TIE-IN PER CROSS-SECTIONS, THE CONTRACTOR SHALL EXTEND THE DRIVES AND PAVE UP TO THE RIGHT OF WAY LINE. FROM ROW POINT ON MATCH DRIVEWAY IN KIND, UNLESS OTHERWISE NOTED.

SEE SHEET 2B-1 FOR ONSITE DETOUR DET_S5

---- SA -----	ELIGIBLE AND UNASSESSED SITES

FOR -L- PROFILE, SEE SHEET NO. 24

5/20/2022
X:\NCDOT\A-0009\Roadway\Proj\A-0009CA Plan Sheets\A-0009CA_Rdy_psh_13.dgn
User:smelvin