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COMPUTED BY: T. KONSO	DATE: 1/27/20
CHECKED BY: K. HIGGINS	DATE: 1/27/20

PROJECT NO.	SHEET NO.
BR-0047	2D-1

HYDRAULICS ENGINEER

NORTH CAROLINA PROFESSIONAL SEAL 035700 ENGINEER KEVIN P. HIGGINS 3/30/2020

DocuSigned by: Kevin Higgins

DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED

PARRISH & PARTNERS

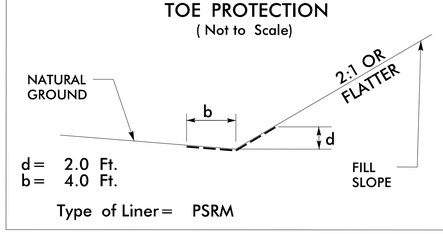
11325 N COMMUNITY HOUSE RD
SUITE 260
CHARLOTTE, NC 28277

STATE OF NORTH CAROLINA
DIVISION OF HIGHWAYS

DITCH DETAILS

DETAIL A

TOE PROTECTION
(Not to Scale)



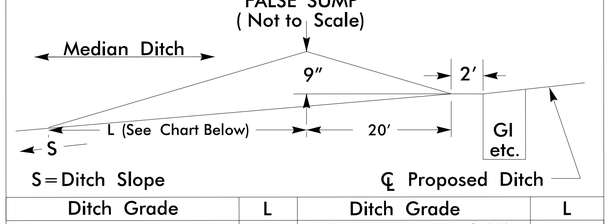
d = 2.0 Ft.
b = 4.0 Ft.

Type of Liner = PSRM

FROM STA. 20+50 TO STA. 21+85 –L– LT
FROM STA. 22+00 TO STA. 23+00 –L– RT

DETAIL B

FALSE SUMP
(Not to Scale)



S = Ditch Slope

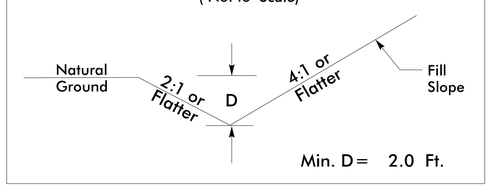
℄ Proposed Ditch

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′

FROM STA. 12+45 TO STA. 12+87 –Y2–

DETAIL C

SPECIAL LATERAL 'V' DITCH
(Not to Scale)



Min. D = 2.0 Ft.

FROM STA. 12+50 TO STA. 15+00 –L– LT
FROM STA. 23+00 TO STA. 25+00 –L– LT
FROM STA. 23+50 TO STA. 25+00 –L– RT
FROM STA. 11+22 TO STA. 11+50 –Y2– RT
FROM STA. 12+00 TO STA. 13+00 –Y2– LT
FROM STA. 14+00 TO STA. 15+00 –Y2– RT
FROM STA. 15+72 TO STA. 16+95 –Y2– LT

3/30/2020
BR-0047
ditch_details.dgn
5:30:10 PM