DocuSign Envelope ID: 5E5BA466-1BB3-403C-885E-FEBC45E19F26

PROJECT REFERENCE NO.	SHEET NO.
U-5776	2D-1
R/W SHEET NO.	

HYDRAULICS ENGINEER

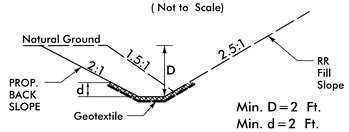
DOCUSIGNED BY: DAVID B. PETTY
NORTH CAROLINA PROFESSIONAL ENGINEER SEAL 038697
6/15/2018 7:04:23 AM PDT

DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED

TGS ENGINEERS
804-C N. LAFAYETTE ST
SHELBY, NC 28150
PH (704) 476-0003
CORP. LICENSE NO.: C-0275

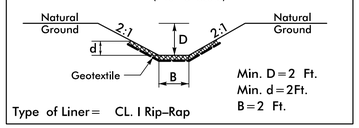
DRAINAGE DETAILS

DETAIL A
SPECIAL LATERAL BASE DITCH
(Not to Scale)



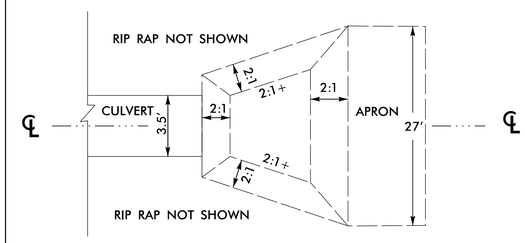
FROM –L– STA. 19+34 TO 19+44, 96' TO 38' RT
S = 0.5% TO DAYLIGHT
EST. DDE = 50 CY
EST. GEOTEXTILE = 120 SY
EST. CL. I RIP RAP = 80 TONS
FROM –L– STA. 19+72 TO 20+00, 55' TO 140' LT
S = 4% TO DAYLIGHT
EST. DDE = 35 CY
EST. GEOTEXTILE = 80 SY
EST. CL. I RIP RAP = 60 TONS

DETAIL B
STANDARD BASE DITCH
(Not to Scale)

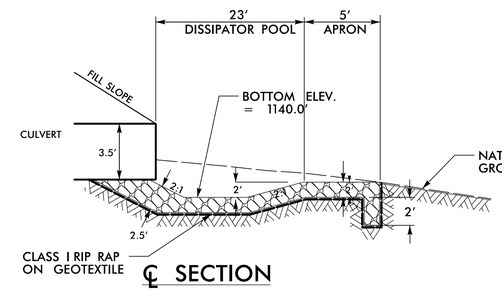


FROM –L– STA. 20+20 TO 20+50, 78' TO 47' LT
SEE DITCH GRADE SHEET 5
EST. DDE = 35 CY
EST. GEOTEXTILE = 60 SY
EST. CL. I RIP RAP = 45 TONS

DETAIL C
RIP-RAPPED ENERGY DISSIPATOR BASIN



PLAN



℄ SECTION

7/08

FROM –L– STA. 20+43 TO 20+76 RT
EST. DDE = 45 CY
EST. GEOTEXTILE = 100 SY
EST. CL. I RIP RAP = 90 TONS

REVISIONS

8/17/99

6/14/2018
X:\NCDOT\U-5776\Roadway\Proj\U-5776 DETAIL 2D_1(Drainage Details).dgn
User:smelvin