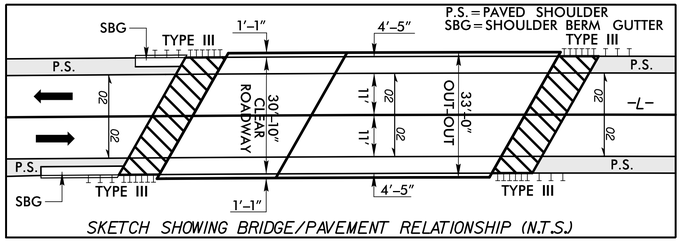
DocuSign Envelope ID: E4B94025-F0A9-44FF-B425-8B199948D4D0

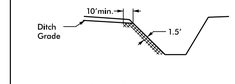
8/17/99

REVISIONS



SKETCH SHOWING BRIDGE/PAVEMENT RELATIONSHIP (N.T.S)

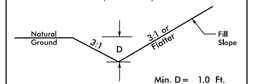
DETAIL 1
RIP-RAP AT EMBANKMENT
(Not to Scale)



Type of Liner= Class 'I' Rip-Rap

FROM -L- STA. 13+38 TO STA. 13+86 LT
FROM -L- STA. 13+15 TO STA. 13+48 RT
FROM -L- STA. 14+09 TO STA. 14+42 LT
FROM -L- STA. 13+67 TO STA. 14+25 RT

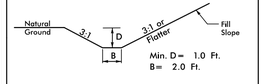
DETAIL 2
SPECIAL LATERAL 'V' DITCH
(Not to Scale)



Min. D= 1.0 Ft.

FROM -L- STA. 11+00 TO STA. 12+75 LT
FROM -L- STA. 11+50 TO STA. 12+75 RT
FROM -L- STA. 14+20 TO STA. 15+50 LT
FROM -L- STA. 14+50 TO STA. 15+25 RT

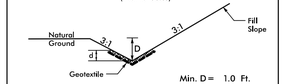
DETAIL 3
SPECIAL LATERAL BASE DITCH
(Not to Scale)



Min. D= 1.0 Ft.
B= 2.0 Ft.

FROM -L- STA. 12+75 TO STA. 13+64 LT
FROM -L- STA. 12+75 TO STA. 13+31 RT
FROM -L- STA. 14+00 TO STA. 14+50 RT

DETAIL 4
SPECIAL LATERAL 'V' DITCH
(Not to Scale)



Min. D= 1.0 Ft.
Max. d= 1.0 Ft.

Type of Liner= Class 'B' Rip-Rap

FROM -DRV- STA. 10+26 TO STA. 10+50 LT
FROM -DRV- STA. 10+23 TO STA. 10+50 RT

NAD 83/NSRS 2007

PROJECT REFERENCE NO.	SHEET NO.
17BP.2.R.92	04
R/W SHEET NO.	

ROADWAY DESIGN ENGINEER
NORTH CAROLINA PROFESSIONAL SEAL 027418 ENGINEER MARCUS LOWERY
1/6/2020 | 10:52 AM EST

HYDRAULICS ENGINEER
NORTH CAROLINA PROFESSIONAL SEAL 044158 ENGINEER BENJAMIN J. HEMECKER
1/6/2020 | 7:51 AM PST

DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED

TGS ENGINEERS
706 HILLSBOROUGH ST. STE. 200
RALEIGH, NC 27603
PH (919) 773-8887
CORP. LICENSE NO.: C-0275

BEGIN STATE PROJECT 17BP.2.R.92
-L- POT Sta. 10+65.00

END STATE PROJECT 17BP.2.R.92
-L- POT Sta. 16+61.00

1
YARDLEY LAMONT MORNING
DB 2996 PG 08
MB 22 PG 197

3
ANDRES CASTILLO HELAREZ
DB 3302 PG 856

4
MARY HARRIS ATKINSON HEIRS
N/F

2
BARNHILL CONTRACTING COMPANY
DB 3414 PG 487

5
JEFFREY TEEL & LORI BROWN HARRIS
DB 3054 PG 711

E R LEWIS CONS CO INC
DB 2019 PG 565

-L- PC Sta. 13+27.52
-L- PT Sta. 15+44.75
-L- POT Sta. 12+28.29 = -DRV- POT Sta. 10+00.00
-DRV- PC Sta. 10+23.00
-DRV- PRC Sta. 10+68.31
-DRV- POC Sta. 11+00.00
END CONSTRUCTION
-DRV- PT Sta. 11+47.78
-DRV- POT Sta. 11+69.75

-L-
PI Sta 14+36.14
Δ = 0° 49' 47.1" (RT)
D = 0° 22' 55.1"
L = 217.23'
T = 108.62'
R = 15,000.00'
SE = NC

-DRV-
PI Sta 10+46.80
Δ = 43° 16' 17.6" (LT)
D = 95° 29' 34.7"
L = 45.31'
T = 23.80'
R = 60.00'
SE = NC

PI Sta 11+15.09
Δ = 75° 52' 55.5" (RT)
D = 95° 29' 34.7"
L = 79.46'
T = 46.78'
R = 60.00'
SE = NC

S 74°16' 17.1" E

N 16° 52' 55.0" W
N 73° 07' 05.0" E
N 16° 03' 07.9" W
15+00

SR 1418 (STATON HOUSE RD) 20' BST

BEGIN SBG 13+09.54
END SBG 13+14.63
BEGIN SBG 13+08.23
END SBG 13+33.22
BEGIN APPROACH SLAB -L- STA 13+23.93
BEGIN BRIDGE -L- STA 13+34.63
END APPROACH SLAB -L- STA 14+33.07
END BRIDGE -L- STA 14+22.37

SPEC. LAT. BASE DITCH SEE DETAIL 3
CLASS 'B' RIP-RAP EST. 2 TONS GEOTEXTILE EST. 7 SY
SPEC. LAT. 'V' DITCH SEE DETAIL 2
SPEC. LAT. 'V' DITCH SEE DETAIL 4 CLASS 'B' RIP-RAP EST. 10 TONS GEOTEXTILE EST. 25 SY
SPEC. LAT. 'V' DITCH SEE DETAIL 4 CLASS 'B' RIP-RAP EST. 5 TONS GEOTEXTILE EST. 15 SY
RIP-RAP AT EMBANKMENT SEE DETAIL 1 CLASS 'I' RIP-RAP EST. 30 TONS GEOTEXTILE EST. 60 SY
CLASS II RIP-RAP STRUCTURE PAY ITEM
RIP-RAP AT EMBANKMENT SEE DETAIL 1 CLASS 'I' RIP-RAP EST. 20 TONS GEOTEXTILE EST. 40 SY
RIP-RAP AT EMBANKMENT SEE DETAIL 1 CLASS 'I' RIP-RAP EST. 35 TONS GEOTEXTILE EST. 75 SY
RIP-RAP AT EMBANKMENT SEE DETAIL 1 CLASS 'I' RIP-RAP EST. 20 TONS GEOTEXTILE EST. 40 SY
REMOVE EXISTING BRIDGE

FOR -L- & -DRV- PROFILES SEE SHEET 05

FOR STRUCTURE PLANS SEE SHEETS S-1 THRU S-19

12/04/2019
K:\NCDOT\B-4788\Roadway\Proj\B-4788_Rdy_psh_04.dgn
Tsarm Cooper