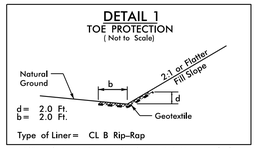
PROJECT REFERENCE NO.	SHEET NO.
B-4659	4
R/W SHEET NO.	

ROADWAY DESIGN ENGINEER — NORTH CAROLINA PROFESSIONAL SEAL 033298 ENGINEER JEFFREY L. TEAGUE — DocuSigned by: Jeffrey L. Teague 12/16/2014 — 70BBE05F6BD0474...

HYDRAULICS ENGINEER — NORTH CAROLINA PROFESSIONAL SEAL 023454 ENGINEER ANNE D. GAMBLER — DocuSigned by: Anne Gambler 12/17/2014 — 82BE3562E3FE4D4...

DETAIL 1
TOE PROTECTION
(Not to Scale)

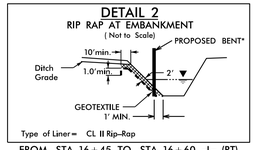


d= 2.0 Ft.
b= 2.0 Ft.

Type of Liner= CL B Rip-Rap

FROM STA. 12+05 TO STA. 14+40 –L– (LT)
FROM STA. 18+50 TO STA. 19+60 –L– (LT)

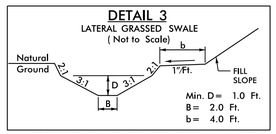
DETAIL 2
RIP RAP AT EMBANKMENT
(Not to Scale)



Type of Liner= CL II Rip-Rap

FROM STA. 16+45 TO STA. 16+60 –L– (RT)
FROM STA. 15+65 TO 15+95 –L– (LT & RT)*
FROM STA. 16+25 TO 16+50 –L– (LT & RT)*

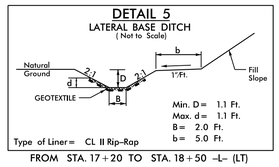
DETAIL 3
LATERAL GRASSED SWALE
(Not to Scale)



Min. D= 1.0 Ft.
B= 2.0 Ft.
b= 4.0 Ft.

FROM STA. 16+55 TO STA. 18+15.3 –L– (RT)

DETAIL 5
LATERAL BASE DITCH
(Not to Scale)

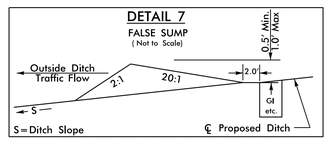


Min. D= 1.1 Ft.
Max. d= 1.1 Ft.
B= 2.0 Ft.
b= 5.0 Ft.

Type of Liner= CL II Rip-Rap

FROM STA. 17+20 TO STA. 18+50 –L– (LT)

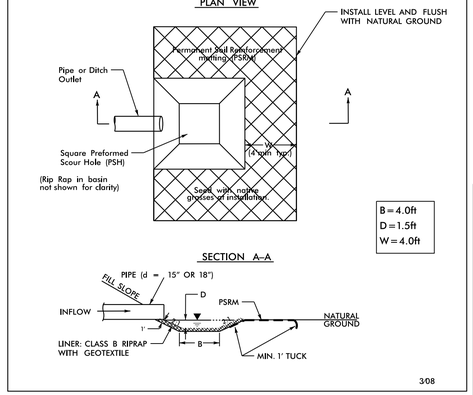
DETAIL 7
FALSE SUMP
(Not to Scale)



FROM STA. 19+64 TO STA. 19+90 –L– LT

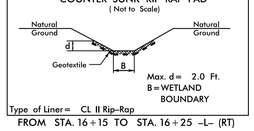
DETAIL 8
PREFORMED SCOUR HOLE
*NOT TO SCALE

PLAN VIEW



STA. 14+50 –L– (RT)

DETAIL 6
COUNTER SUNK RIP RAP PAD
(Not to Scale)



Max. d= 2.0 Ft.
B=WETLAND BOUNDARY

Type of Liner= CL II Rip-Rap

FROM STA. 16+15 TO STA. 16+25 –L– (RT)

DETAIL 4
CLASS II RIP-RAPPED ENERGY DISSIPATOR BASIN

DIM. (ft)	
A	4'
B	2'
C	2'
D	2'
E	10' min
F	23.5'
G	20'

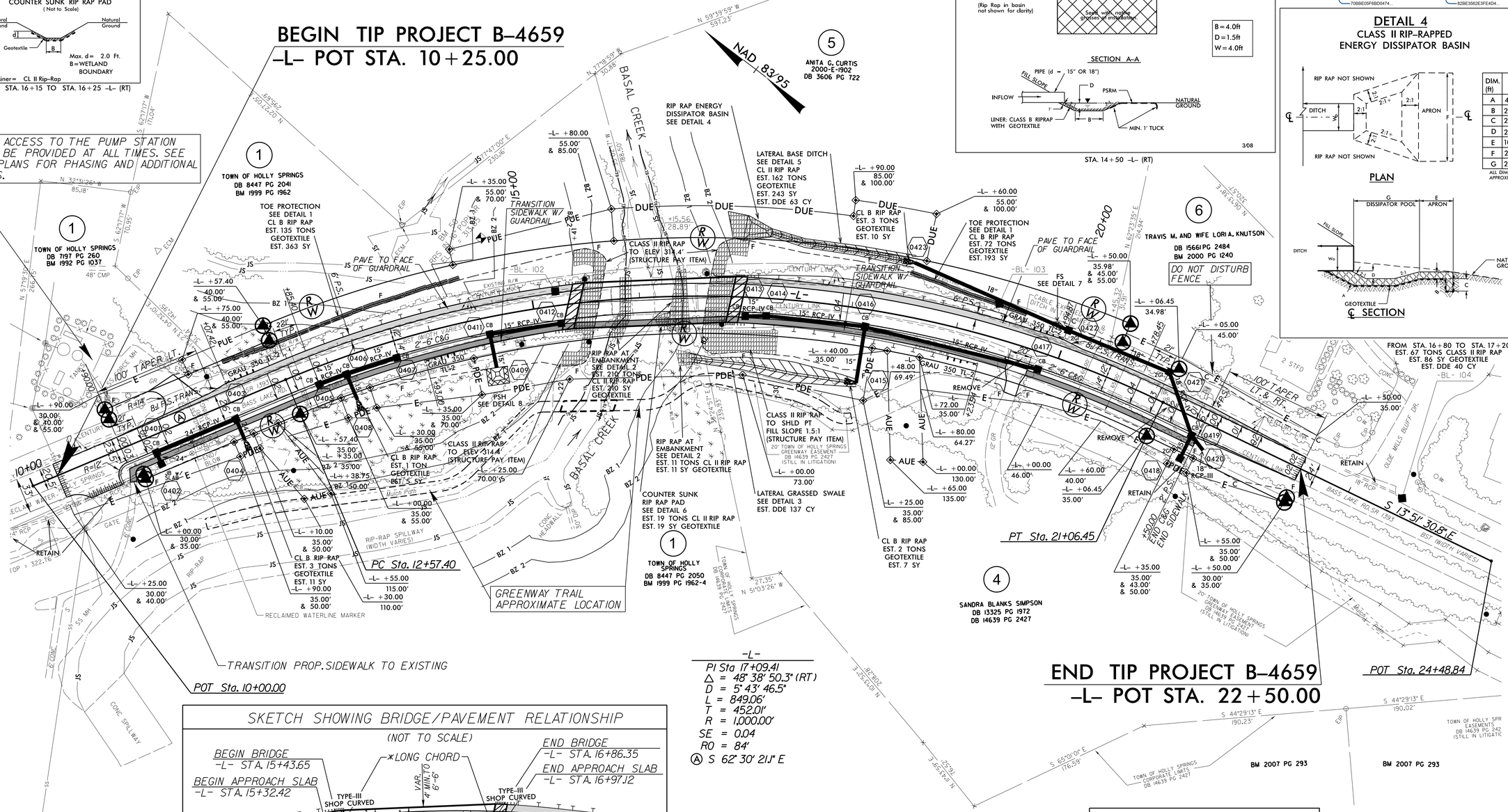
ALL DIMENSIONS APPROXIMATE

PLAN

℄ SECTION

BEGIN TIP PROJECT B-4659
–L– POT STA. 10+25.00

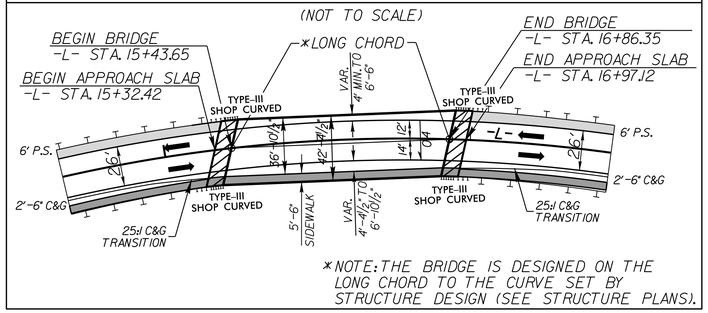
NOTE: ACCESS TO THE PUMP STATION MUST BE PROVIDED AT ALL TIMES. SEE TMP PLANS FOR PHASING AND ADDITIONAL NOTES.



–L–
PI Sta 17+09.41
△ = 48° 38' 50.3" (RT)
D = 5° 43' 46.5"
L = 849.06'
T = 452.01'
R = 1,000.00'
SE = 0.04
RO = 84'
Ⓐ S 62° 30' 21.1" E

END TIP PROJECT B-4659
–L– POT STA. 22+50.00

SKETCH SHOWING BRIDGE/PAVEMENT RELATIONSHIP
(NOT TO SCALE)



*NOTE: THE BRIDGE IS DESIGNED ON THE LONG CHORD TO THE CURVE SET BY STRUCTURE DESIGN (SEE STRUCTURE PLANS).

NOTE: THE CONCRETE SIDEWALK LOCATED ON THE BRIDGE AND APPROACH SLABS IS A STRUCTURE PAY ITEM.

PROP. PAVED SHOULDER

PROP. SIDEWALK

FOR –L– PROFILE, SEE SHEET NO. 5

FOR TYPE III SHOP CURVED DETAIL, SEE SHEET NO. 2C-1

FOR STRUCTURE PLANS, SEE SHEETS S-1 THRU S-32

REVISIONS

8/17/99

12-DEC-2014 10:51
R:\Roadway\Proj\B4659_Rdy_psh4.dgn
$$USERNAME$$