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25+50 26+00 26+50 27+00 27+50 28+00 28+50

SPAN D SPAN E SPAN F

+3.4343% -3.4935%
PI = 25+40.00
EL. = 45.66'
VC = 1,120'

GRADE DATA -L1-

FIX. FIX. FIX. FIX. EXP.

BASE DISCHARGE (Q100)
H.W. EL. 23.30

NORMAL WATER
SURFACE EL. 1±
(7-15-18)

MATCHLINE
STA. 25+50 -L1-
(SEE SHEET 1 OF 5)

EL. 3.0±

EL. 9.0±

EL. 9.0±

GALVANIZED
36" x 0.5" STEEL
PIPE PILE (TYP.)

DOWNSTREAM UNCLASSIFIED
STRUCTURE EXCAVATION
TO EL. 11.0
(GRADE TO DRAIN)

2'-0"

1½:1 SLOPE
NORMAL TO CAP

FILL FACE @ END BENT 2
STA. 28+06.00 -L1-
GRADE PT. EL. 33.69

1'-7" BERM
NORMAL TO CAP

LOW CHORD
EL. 27.72

BEGIN FRONT SLOPE
STA. 28+18.18 -L1-
GRADE PT. EL. 33.49

1'-0"

FILL

CLASS II
RIP RAP

HP 12X53
STEEL PILES

APPROXIMATE
EXISTING
GROUNDLINE

BENT 4 BENT 5 END BENT 2

## SECTION ALONG -L1-

SECTIONS AT END BENT AND BENTS
ARE TAKEN AT RIGHT ANGLES.

TEMPORARY
WORK PLATFORM

600'-0" ALONG ARC AND TANGENT (FILL FACE AT END BENT 1 TO FILL FACE AT END BENT 2)

100'-0" ALONG ARC
SPAN D

100'-0" ALONG ARC
SPAN E

100'-0" ALONG ARC AND TANGENT
SPAN F

MATCHLINE
STA. 25+50 -L1-
(SEE SHEET 1 OF 5)

BENT 4
CONTROL LINE

W.P. #5
STA. 26+06.00 -L1-

83°-21'-25"
(TANGENT TO CURVE)

BENT 5
CONTROL LINE

W.P. #6
STA. 27+06.00 -L1-

PT STA. 27+30.84 -L1-

81°-41'-47"
(TANGENT TO CURVE)

NEUSE RIVER

℄ EXISTING
SUBSTRUCTURE
(TYP.)

JS

CLASS II
RIP RAP

PROPOSED
RETAINING WALL
(ROADWAY PAY
ITEM & DETAIL)

1'-0" MIN. EARTH BERM
EL. 22.29 (LEVEL)

W.P. #7
STA. 28+06.00 -L1-

END APPROACH SLAB
STA. 28+16.99 -L1-

-L1-

BEGIN FRONT SLOPE
STA. 28+18.18 -L1-

81°-17'-01"

TO SR 1400

FILL FACE
@ END BENT 2

NAD 83 /NA 2001

## PLAN ALONG -L1-

PILES NOT SHOWN FOR CLARITY

### HORIZONTAL CURVE DATA -L1-

P.I. STA. = 23+80.19
Δ = 11°-41'-14.5" (RT.)
D = 1°-39'-38.7"
L = 703.74'
T = 353.10'
R = 3,450.00'
S.E. = 0.04

PROJECT NO. B-4484
CRAVEN COUNTY
STATION: 25+06.00 -L1-

SHEET 2 OF 5 REPLACES BRIDGE NO. 240138

DRAWN BY : TWL DATE : 04/2019
CHECKED BY : MAL DATE : 06/2019
DESIGN ENGINEER OF RECORD: MAL DATE : 06/2019

DOCUMENT NOT CONSIDERED
FINAL UNLESS ALL
SIGNATURES COMPLETED

DocuSigned by: NORTH CAROLINA PROFESSIONAL ENGINEER SEAL 043835 ENGINEER MARC A. LEBLANC
4/28/2020

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STATE OF NORTH CAROLINA
DEPARTMENT OF TRANSPORTATION
RALEIGH

# GENERAL DRAWING
BRIDGE OVER NEUSE RIVER
ON SR 1470 BETWEEN
SR 1472 AND SR 1400

| REVISIONS | | | | | | SHEET NO. |
|---|---|---|---|---|---|---|
| NO. | BY: | DATE: | NO. | BY: | DATE: | S1-2 |
| 1 | | | 3 | | | TOTAL SHEETS |
| 2 | | | 4 | | | 37 |

4/28/2020
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