F.A PROJECT No. BRSTP-4121(2)

20+50 21+00 21+50 22+00 22+50 23+00 23+50

760 750 740 730 720 710

FILL FACE @ END BENT No. 1
STA. 20+90.00 -L-
GRADE PT. EL. 749.780

BEGIN FRONT SLOPE
STA. 20+79.74 -L-
GRADE PT. EL. 749.811

1'-0" MIN. EARTH BERM (TYP.)

EXP.

EL. 749.0 ±

EL. 745.0 ±

1'-6" (TYP.)

UNCLASSIFIED STRUCTURE EXCAVATION

CLASS II RIP RAP

GRADE TO EL. 737.0 ±

1½:1 SLOPE

TOP OF DRILLED PIER EL. 725.000

END BENT No. 1

SPAN "A"

FIX FIX

EL. 729.0 ±

EL. 717.0 ±

EL. 715.0 ±

SPAN "B"

EXISTING SUBSTRUCTURE TO BE REMOVED

ORDINARY HIGH WATER EL. 728.0' ±

NORMAL WATER SURFACE EL. 716.7' (4/12/03)

APPROXIMATE NATURAL GROUND (TYP.)

BENT No. 1

TOP OF WORKPAD EL. 720.0

1'-0" THICK CLASS B RIP RAP

CLASS II RIP RAP

EL. 720.0 ±

EL. 715.0 ±

WORKPAD

FIX FIX

EL. 721.0 ±

TOP OF DRILLED PIER EL. 717.750

BENT No. 2

SPAN "C"

1'-7" MIN. BERM (TYP.)

FILL FACE @ END BENT No. 2
STA. 22+85.00 -L-
GRADE PT. EL. 749.195

BEGIN FRONT SLOPE
STA. 22+95.15 -L-
GRADE PT. EL. 749.165

EL. 748.0 ±

EL. 745.0 ±

EXP.

UNCLASSIFIED STRUCTURE EXCAVATION

HP 12 X 53 STEEL PILES (TYP.)

1½:1 SLOPE

CLASS II RIP RAP

GRADE TO EL. 727.0 ±

END BENT No. 2

-3.4179% -0.3000%

PI = 19+30.00
EL. = 750.26
VC = 200'

GRADE DATA -L-

## SECTION ALONG ℄ SURVEY -L-

CLASS II RIP RAP

EARTH BERM EL. 740.185

W.P. #2
BENT No. 1 CONTROL LINE
STA. 21+35.00 -L-

W.P. #3
BENT No. 2 CONTROL LINE
STA. 22+20.00 -L-

TEMPORARY ACCESS RD.

CLASS II RIP RAP

WORKPAD

W.P. #1
FILL FACE @ END BENT No. 1
STA. 20+90.00 -L-

℄ BRIDGE
STA. 21+87.50 -L-

EARTH BERM EL. 739.613

W.P. #4
FILL FACE @ END BENT No. 2
STA. 22+85.00 -L-

℄ SURVEY -L-
(SR 4121)
(WEST MAIN ST.)

SR 1332

BEGIN APPROACH SLAB
STA. 20+66.00 -L-

BEGIN FRONT SLOPE
STA. 20+79.74 -L-

DEEP RIVER

90°-00'-00" (TYP.)

END APPROACH SLAB
STA. 23+09.00 -L-

SR 1334

BEGIN FRONT SLOPE
STA. 22+95.15 -L-

TEMPORARY SHORING REQUIRED (SEE NOTES)

EXISTING SUBSTRUCTURE TO BE REMOVED (TYP.)

TEMPORARY SHORING REQUIRED (SEE NOTES)

1'-0" MIN. EARTH BERM

1'-7" MIN. BERM

52'-6" 32'-6"

45'-0" 85'-0" 65'-0"

195'-0" TOTAL LENGTH OF BRIDGE (FILL FACE TO FILL FACE)

## PLAN

(FOR CLARITY, PILES ARE NOT SHOWN IN PLAN VIEW)

NORTH CAROLINA PROFESSIONAL SEAL 11268 ENGINEER BETSY S. COX 1/12/05

NORTH CAROLINA PROFESSIONAL SEAL 24390 ENGINEER THEO J. BEACH 1/12/05

PROJECT NO. B-3652

GUILFORD COUNTY

STATION: 21+87.50 -L-

SHEET 1 OF 3 REPLACES BRIDGE No. 20

STATE OF NORTH CAROLINA
DEPARTMENT OF TRANSPORTATION
RALEIGH

# GENERAL DRAWING

BRIDGE OVER DEEP RIVER
ON SR 4121 BETWEEN
SR 1332 AND SR 1334

| REVISIONS | | | | | | SHEET NO. |
|---|---|---|---|---|---|---|
| NO. | BY: | DATE: | NO. | BY: | DATE: | S-1 |
| 1 | | | 3 | | | TOTAL SHEETS |
| 2 | | | 4 | | | 42 |

DRAWN BY : P.C. BREWER DATE : 9/27/04
CHECKED BY : M. BRITT DATE : 11/18/04

11-JAN-2005 08:33
E:\squadv\v8 work\b3652\pbrewer\Microstation\B3652_sd_GD_01.dgn
pbrewer