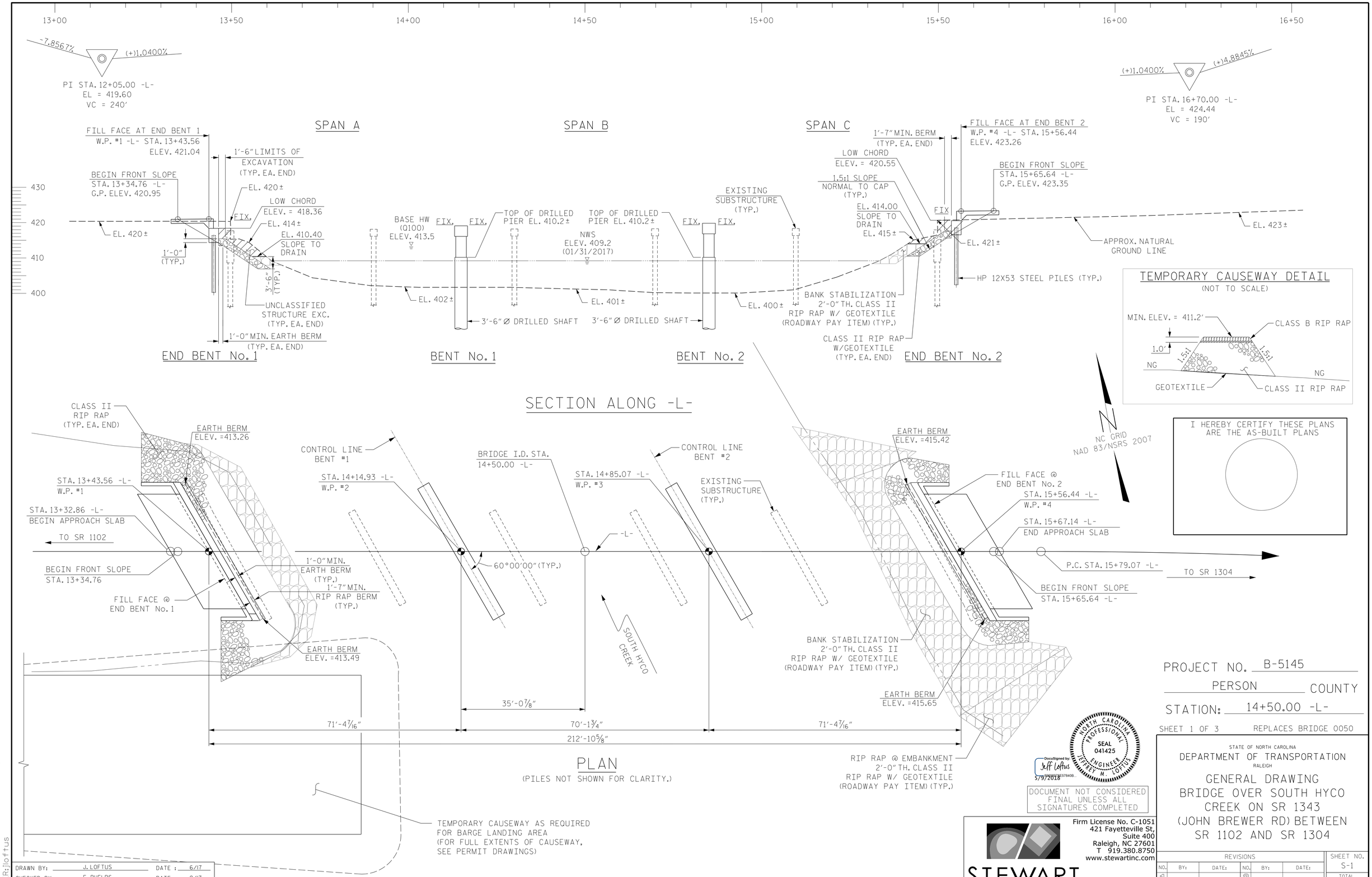
13+00
13+50
14+00
14+50
15+00
15+50
16+00
16+50
-7.8567%
(+)1.0400%
PI STA. 12+05.00 -L-
EL = 419.60
VC = 240'
(+)1.0400%
(+)4.8845%
PI STA. 16+70.00 -L-
EL = 424.44
VC = 190'
SPAN A
SPAN B
SPAN C
FILL FACE AT END BENT 1
W.P. #1 -L- STA. 13+43.56
ELEV. 421.04
1'-6" LIMITS OF EXCAVATION (TYP. EA. END)
BEGIN FRONT SLOPE
STA. 13+34.76 -L-
G.P. ELEV. 420.95
EL. 420±
LOW CHORD
ELEV. = 418.36
EL. 414±
EL. 410.40
SLOPE TO DRAIN
FIX
1'-0" (TYP.)
3'-6" (TYP.)
UNCLASSIFIED STRUCTURE EXC. (TYP. EA. END)
1'-0" MIN. EARTH BERM (TYP. EA. END)
END BENT No. 1
BASE HW (Q100)
ELEV. 413.5
TOP OF DRILLED PIER EL. 410.2±
NWS
ELEV. 409.2
(01/31/2017)
EL. 402±
EL. 401±
EL. 400±
3'-6" Ø DRILLED SHAFT
BENT No. 1
BENT No. 2
EXISTING SUBSTRUCTURE (TYP.)
1'-7" MIN. BERM (TYP. EA. END)
FILL FACE AT END BENT 2
W.P. #4 -L- STA. 15+56.44
ELEV. 423.26
LOW CHORD
ELEV. = 420.55
1.5:1 SLOPE NORMAL TO CAP (TYP.)
EL. 414.00
SLOPE TO DRAIN
EL. 415±
BEGIN FRONT SLOPE
STA. 15+65.64 -L-
G.P. ELEV. 423.35
EL. 421±
EL. 423±
APPROX. NATURAL GROUND LINE
HP 12X53 STEEL PILES (TYP.)
BANK STABILIZATION 2'-0" TH. CLASS II RIP RAP W/ GEOTEXTILE (ROADWAY PAY ITEM) (TYP.)
CLASS II RIP RAP W/GEOTEXTILE (TYP. EA. END)
END BENT No. 2
TEMPORARY CAUSEWAY DETAIL
(NOT TO SCALE)
MIN. ELEV. = 411.2'
CLASS B RIP RAP
1.0'
1.5:1
NG
GEOTEXTILE
CLASS II RIP RAP
SECTION ALONG -L-
CLASS II RIP RAP (TYP. EA. END)
EARTH BERM ELEV. =413.26
STA. 13+43.56 -L-
W.P. #1
STA. 13+32.86 -L-
BEGIN APPROACH SLAB
TO SR 1102
BEGIN FRONT SLOPE
STA. 13+34.76
FILL FACE @ END BENT No. 1
CONTROL LINE BENT #1
STA. 14+14.93 -L-
W.P. #2
BRIDGE I.D. STA. 14+50.00 -L-
STA. 14+85.07 -L-
W.P. #3
CONTROL LINE BENT #2
EXISTING SUBSTRUCTURE (TYP.)
-L-
60°00'00" (TYP.)
1'-0" MIN. EARTH BERM (TYP.)
1'-7" MIN. RIP RAP BERM (TYP.)
EARTH BERM ELEV. =413.49
SOUTH HYCO CREEK
35'-0 7/8"
71'-4 7/16"
70'-1 3/4"
71'-4 7/16"
212'-10 5/8"
EARTH BERM ELEV. =415.42
FILL FACE @ END BENT No. 2
STA. 15+56.44 -L-
W.P. #4
STA. 15+67.14 -L-
END APPROACH SLAB
P.C. STA. 15+79.07 -L-
TO SR 1304
BEGIN FRONT SLOPE
STA. 15+65.64 -L-
BANK STABILIZATION 2'-0" TH. CLASS II RIP RAP W/ GEOTEXTILE (ROADWAY PAY ITEM) (TYP.)
EARTH BERM ELEV. =415.65
RIP RAP @ EMBANKMENT 2'-0" TH. CLASS II RIP RAP W/ GEOTEXTILE (ROADWAY PAY ITEM) (TYP.)
PLAN
(PILES NOT SHOWN FOR CLARITY.)
TEMPORARY CAUSEWAY AS REQUIRED FOR BARGE LANDING AREA (FOR FULL EXTENTS OF CAUSEWAY, SEE PERMIT DRAWINGS)
NC GRID NAD 83/NSRS 2007
I HEREBY CERTIFY THESE PLANS ARE THE AS-BUILT PLANS
NORTH CAROLINA PROFESSIONAL SEAL 041425 ENGINEER JEFFREY M. LOFTUS
DocuSigned by Jeff Loftus
5/9/2018
DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED
DRAWN BY: J. LOFTUS DATE: 6/17
CHECKED BY: E. PHELPS DATE: 9/17
DESIGN ENGINEER OF RECORD: J. LOFTUS DATE: 10/17
STEWART
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www.stewartinc.com
PROJECT NO. B-5145
PERSON COUNTY
STATION: 14+50.00 -L-
SHEET 1 OF 3
REPLACES BRIDGE 0050
STATE OF NORTH CAROLINA
DEPARTMENT OF TRANSPORTATION
RALEIGH
GENERAL DRAWING
BRIDGE OVER SOUTH HYCO CREEK ON SR 1343 (JOHN BREWER RD) BETWEEN SR 1102 AND SR 1304
REVISIONS
NO. BY: DATE: NO. BY: DATE:
1 3
2 4
SHEET NO. S-1
TOTAL SHEETS 22
R 2707C_SITE 3
4/17/2018
...\400_001_B5145_SMU_GD01.dgn
USER:jloftus