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HNTB NORTH CAROLINA, P.C.
343 E. Six Forks Road, Suite 200
Raleigh, North Carolina 27609
NC License No: C-1554

DATE: JANUARY 19, 2015

PROJECT REFERENCE NO.	SHEET NO.
P-4900A	4
R/W SHEET NO.	

RAILROAD DESIGN ENGINEER — NORTH CAROLINA PROFESSIONAL SEAL 037992 ENGINEER COREY P. VENNER
DocuSigned by: Corey P. Venner 1/21/2015
2CC1E0B62D39449...

HYDRAULICS ENGINEER — NORTH CAROLINA PROFESSIONAL SEAL 15764 ENGINEER JAMES A. BYRD
DocuSigned by: James Byrd 1/21/2015
235929598E74F47C...

TO FAYETTEVILLE

TO LUMBERTON

JAMES SAMPSON AND WIFE LINDA DB 749 PG 31

PROPOSED CONTROL POINT (BY CSXT)

EXISTING CSXT R/W

BEGIN CONSTRUCTION -L- STA.9+25.00

APPROXIMATE SIGNAL CABINET LOCATION (BY CSXT)

+00.00 -L- 110.00' LT

3' SPECIAL LAT. BASE DITCH SEE DETAIL A

PS NO.20 LH TURNOUT Sta. 10+00.00

PI NO.20 LH TURNOUT Sta. 10+59.54

+56.79 -L- 110.00' LT

+44.94 -L- 110.00' LT

+06.94 -L- 110.00' LT

+65.11 -L- 110.00' LT

+27.11 -L- 110.00' LT

CHORD -L- +00.00 27.80' LT

R = 3,164.17'

PROPOSED TURNOUT MATERIAL LAYDOWN PAD

TS Sta.12+44.94

SC Sta.13+06.94

CS Sta.15+65.11

ST Sta.16+27.11

110'

40'

+00.00 -L- 65.00' LT

-L- +25.00 40.00' LT

-L- +25.00 7.00' LT

9+00

10+00

S 39° 09' 58" W

S 36° 18' 07" W

S 30° 41' 58" W

15+00 -L-

12660+00

12665+00

12670+00

EXISTING CSXT 'A' LINE

PROP.NO.20 LH TURNOUT (BY CSXT)

-L- +00.00 5.14' RT

15' CLEAR POINT

PROPOSED NORTHBOUND MAST SIGNALS (BY CSXT)

℄ PROP.TRACK

3' SPECIAL LAT. BASE DITCH SEE DETAIL G

MATCHLINE STA.17+00 SEE SHEET NO.5

BEGIN PROJECT P-4900A -L- STA.9+00.00

-L- POL STA.9+00.00

VAL STA.12663+81

A-240

PROPOSED SOUTHBOUND MAST SIGNAL (BY CSXT)

ALL BALLASTED TRACK CONSTRUCTED BY CSXT.

-L- (CURVE 101)

PIs Sta 12+86.28	PI Sta 14+36.09	PIs Sta 15+85.78
△s = 0° 32' 32.9" (LT)	△c = 4° 31' 03.7" (LT)	△s = 0° 32' 32.9" (LT)
Ls = 62.00'	Dc = 1° 45' 00.0"	Ls = 62.00'
LT = 41.33'	L = 258.16'	LT = 41.33'
ST = 20.67'	T = 129.15'	ST = 20.67'
	R = 3,274.17'	
	Ea = 1.00"	

EXIST.T/R
PROP.T/R

BEGIN GRADE -L- STA.9+25.00

PS NO.20 LH TURNOUT STA 10+00.00 ELEV= 172.57'

NO.20 LH TURNOUT

VC = 510'
R= 0.23

VPC STA.12+81.31 ELEV=171.87'

EXISTING CSXT A-LINE T/R

PROP. -L- T/R PROFILE

(−) 0.2475%

(−) 1.4200%

(−) 0.4000%

(+)0.9100%

(−) 1.1800%

(−) 2.8281%

EXISTING GROUND

VPI STA.15+36.31 ELEVATION 171.24

BEGIN SPECIAL LAT. BASE DITCH LT PI =9+25.00 EL = 167.41

BEGIN SPECIAL LAT. BASE DITCH RT PI =15+50.00 EL = 167.51

PI =12+00.000 ET = 163.50

PI =16+50.000 EI = 166.33

PI =17+00.000 ET = 161.50

172.69	172.45 / 172.57	172.22 / 172.32	170.04 / 172.07	169.50 / 171.83	168.64 / 171.74	168.24 / 171.88	166.58 / 172.24	167.28 / 172.83

10+00 11+00 12+00 13+00 14+00 15+00 16+00 17+00

210 200 190 180 170 160 150 140 130

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$$$$USERNAME=$$$$

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