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STATE OF NORTH CAROLINA RAIL DIVISION

HNTB NORTH CAROLINA, P.C.	PROJECT REFERENCE NO.	SHEET NO.
HNTB NORTH CAROLINA, P.C. 343 E. Six Forks Road, Suite 200 Raleigh, North Carolina 27609 NC License No: C-1554	P-5705A	1B-2
NC License No: C-1554	RW SHEET NO.	
DATE: NOVEMBER 4, 2022	RAILROAD DESIGN ENGINEER	HYDRAULICS ENGINEER
DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED		
MBOLS		

CONVENTIONAL PLAN SHEET SYMBOLS AND ABBREVIATIONS

RAILROADS: Curve Information Curve Label Existing Track to be Removed Existing Track to be Retained Existing Track to be Shifted Milepost Point of Inflection No Curve (PINC) Proposed Track Proposed Power Operated Turnout Profile Grade Line Turnout Label Dc=x²xx² Ea = x x² Ls = xxx² Curve Label Annual Date = xxx Curve Label Annual Date = xxx Annual Date = xxx

ABBREVIATIONS:

TRACK ALIGNMEN	T HORIZONTAL

CD	Cant Deficiency
CS	Curve to Spiral
Dc	
Ea	Actual Superelevation (Inches)
Eu	Unbalance Elevation (Inches)
1	
L	Length of Curve
Ls	Length of Spiral
PI	Point of Intersection
PI/TO	Point of Intersection / Turnout
POL	Point on Line
PS	Point of Switch
PT	Point on Tangent
R	Radius
SC	Spiral to Curve
ST	
TO	Turnout
TS	Tangent to Spiral
X	Spiral Tangent Length to Offset
Υ	Spiral Tangent Offset

TRACK ALIGNMENT - VERTICAL:

EL	Elevation
L	Vertical Curve Length
R	Rate of Change
T/R	Top of Rail
VPC	Vertical Point of Curve
VPI	Vertical Point of Intersection
VPT	Vertical Point of Tangent

DRAINAGE:

CIP	Cast Iron Pipe
BCCMP	•
CAAP	Corrugated Aluminumized Alloy Pipe
HDPE	
INV	Invert
PSRM	Permanent Soil Reinforcement Matting
RCB	Reinforced Concrete Box Culvert
RCP	Reinforced Concrete Pipe
WSP	
STB	Stone Box Culvert
SYGF	Square Yards Geotextile Fabric
NWSEL	Normal Water Surface Elevation
HPDE	High Density Polyethylene

MISCELLANEOUS:

ISCELLANEOUS:	
ABS	Absolute
AEI	Automatic Equipment Identification
AVE	Avenue
AH	Ahead
BK	Back
邑	Baseline
BLDG	•
BLVD	Boulevard
CB	
©	
CLR	
CONC	
CONST.	
DWG.	
E	
EL	
ESMT	
EXIST.	
EB	
FT	
FND	
GRD	
HW	
HORIZ. HTTO	
LT	
LH	
MIN	
MP	
MPH	-
N	
N/A	
NB	• •
NO.	
	North Carolina Department of Transportation
NCRR	·
NSR	Norfolk Southern Railway
OTM	Other Track Material
PAV'T	Pavement
PGL	Profile Grade Line
POTO	Power Operated Turnout
PROP.	Proposed
RD	
RT	•
RR	
RH	•
R/W	<u> </u>
REQ'D	•
S	
SEG	•
STA	
SR	
SHLDR	
SHT	
SWM	
TRK V	
v VERT	• (
W	
W/	
WB.	