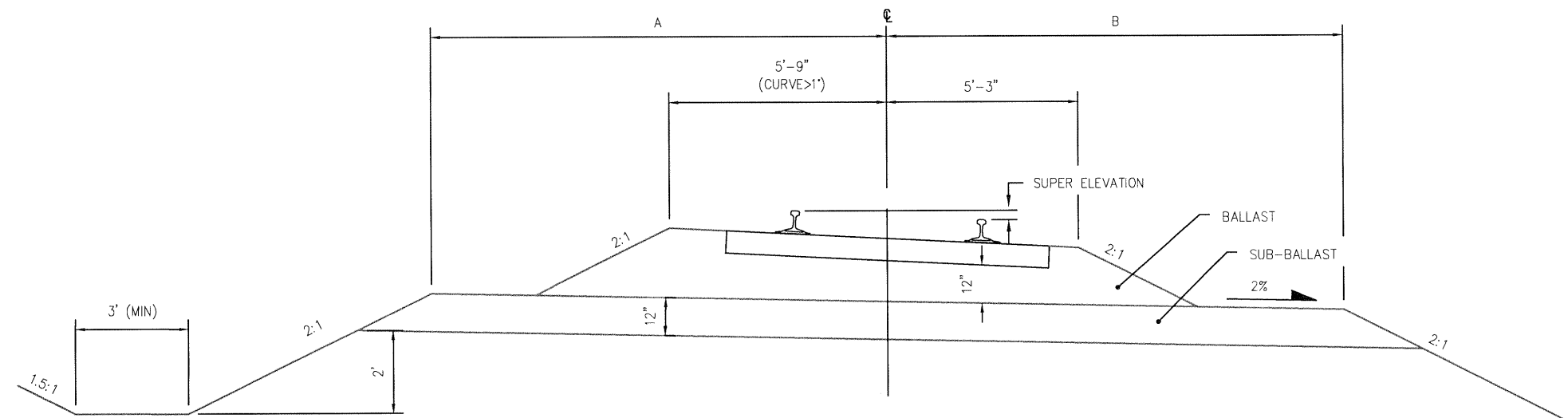


TANGENT SECTION

SCALE: 1" = 4'



CURVE SECTION

SCALE: 1" = 4'

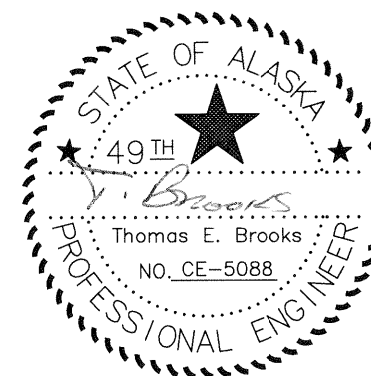
BALLAST REQUIRED FOR 100' OF TRACK		
CURVED TRACK	SUPER ELEVATION	CUBIC YARDS
	1"	
2"		77.0
3"		80.1
4"		83.4
5"		86.8
TANGENT TRACK		75.0

SUB-BALLAST REQUIRED FOR 100' OF TRACK		
CURVED TRACK	DEGREE OF CURVE	CUBIC YARDS
	0 - 1°	
1 - 2°		98.2
2 - 6°		100.0
+6°		101.9
TANGENT TRACK		96.3

SUB-BALLAST WIDTH FOR DEGREE CURVATURE	DIMENSIONS	
	A	B
0° - 1° INCLUSIVE	12'-0"	12'-0"
1°1' - 2° INCLUSIVE	12'-6"	12'-0"
2°1' - 6° INCLUSIVE	13'-0"	12'-0"
OVER 6°	13'-6"	12'-0"

NOTES

1. BALLAST DEPTH SHALL BE MINIMUM 12" UNDER TIE, MEASURED AT LOW RAIL.
2. ALL QUANTITIES ESTIMATED, REPRESENT IN-PLACE, COMPACTED MATERIAL, BASED ON 3,250 TIES PER MILE AND MINIMUM BALLAST AND SUB-BALLAST DIMENSIONS.
3. SUB GRADE SHALL SLOPE TO PREVAILING DRAINAGE SIDE ON TANGENT, OR TO THE INSIDE OF THE CURVE.
4. SUBGRADE SLOPE TRANSITION RATE TO BE 1" IN 10'.



ALASKA RAILROAD CORPORATION
OFFICE OF THE CHIEF ENGINEER
P.O. BOX 107500, ANCHORAGE, ALASKA 99510-7500 (907) 265-2456

STANDARD
MAIN LINE
BALLAST SECTIONS

APPROVED: *J. Brooks* DATE: 12/29/03
DESIGNED BY: REH SCALE: 1" = 4' FILE: s2.21-03.dwg
DRAWN BY: BBF
APPROVED BY: TEB DATE: 12/29/2003 **2.21-03**