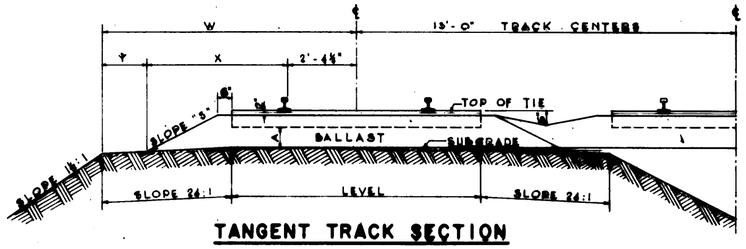


TANGENT TRACK SECTION

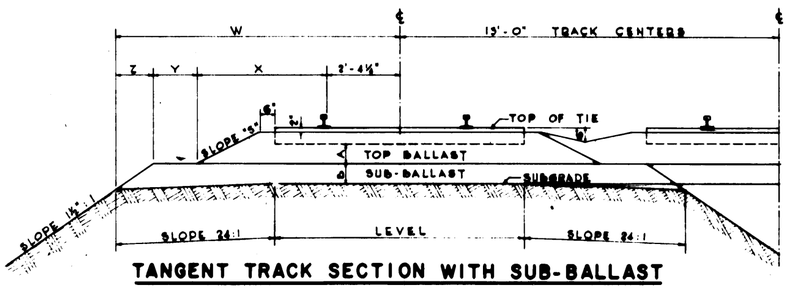
SECTION Nº 1

PREPARED MATERIALS: STONE, SLAG, AND GRAVEL HAVING OVER 20% CRUSHED PARTICLES.

SECTION Nº 2

MATERIALS: PREPARED GRAVEL, 0 TO 20% CRUSHED PARTICLES AND PIT RUN GRAVEL.

NOTE:
SLOPE "S" IS 2:1 IN SECTIONS 1 & 3
SLOPE "S" IS 2½:1 IN SECTIONS 2 & 4



TANGENT TRACK SECTION WITH SUB-BALLAST

SECTION Nº 3

PREPARED MATERIALS: STONE, SLAG, AND GRAVEL HAVING OVER 20% CRUSHED PARTICLES

SECTION Nº 4

MATERIALS: PREPARED GRAVEL, 0 TO 20% CRUSHED PARTICLES AND PIT RUN GRAVEL

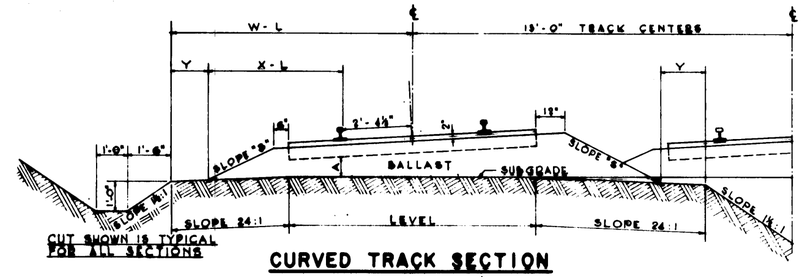
GENERAL NOTES

DIMENSIONS SHOWN IN TABLES ARE MINIMUM DIMENSIONS FOR IDEAL CONDITIONS AND LIGHT TRAFFIC. THESE TABLES ARE FOR INFORMATION AND GUIDANCE, AND DIMENSIONS SHOWN MAY BE INCREASED WHERE CONDITIONS WARRANT.

DIMENSIONS IN TABLES ARE BASED ON 8'-6" LENGTH TIES.

SUB-BALLAST IS ONLY RECOMMENDED IN WET SPONGY PLACES OR WHERE THE SUBGRADE IS OF A MATERIAL DIFFICULT TO DRAIN, AND ON NEW WORK WHERE EMBANKMENTS ARE SETTLING AND IN LOCATIONS WHERE TRACK HEAVES FROM FROST.

THIS DRAWING IS BASED ON THE USE OF PREPARED BALLAST. SAND AND CINDER BALLAST MAY BE USED AT LOCATIONS WHERE THEIR USE HAS BEEN PROVEN, AND MINOR MODIFICATION MAY BE MADE IN DESIGN TO CONFORM TO LOCAL PRACTICE FOR THE USE OF THESE MATERIALS.



CURVED TRACK SECTION

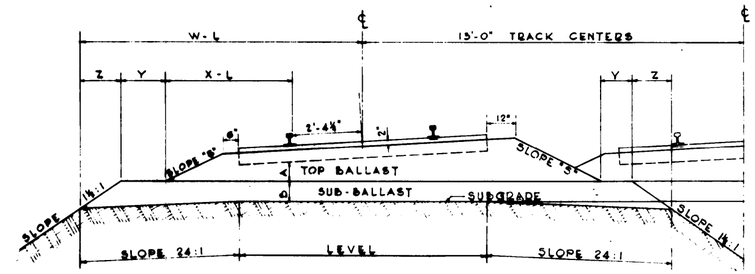
SECTION Nº 5: SUPERELEVATIONS UP TO 3 INCHES

5-A PREPARED MATERIALS: STONE, SLAG, AND GRAVEL HAVING OVER 20% CRUSHED PARTICLES
5-B MATERIALS: PREPARED GRAVEL, 0 TO 20% CRUSHED PARTICLES AND PIT RUN GRAVEL

SECTION Nº 6: SUPERELEVATIONS OVER 3 INCHES

6-A PREPARED MATERIALS: STONE, SLAG, AND GRAVEL HAVING OVER 20% CRUSHED PARTICLES
6-B MATERIALS: PREPARED GRAVEL, 0 TO 20% CRUSHED PARTICLES AND PIT RUN GRAVEL

NOTE:
SLOPE "S" IS 2:1 IN SECTIONS 5-A, 6-A, 7-A & 8-A
SLOPE "S" IS 2½:1 IN SECTIONS 5-B, 6-B, 7-B & 8-B



CURVED TRACK SECTION WITH SUB-BALLAST

SECTION Nº 7: SUPERELEVATIONS UP TO 3 INCHES

7-A PREPARED MATERIALS: STONE, SLAG, AND GRAVEL HAVING OVER 20% CRUSHED PARTICLES
7-B MATERIALS: PREPARED GRAVEL, 0 TO 20% CRUSHED PARTICLES AND PIT RUN GRAVEL

SECTION Nº 8: SUPERELEVATIONS OVER 3 INCHES

8-A PREPARED MATERIALS: STONE, SLAG, AND GRAVEL HAVING OVER 20% CRUSHED PARTICLES
8-B MATERIALS: PREPARED GRAVEL, 0 TO 20% CRUSHED PARTICLES AND PIT RUN GRAVEL

SECTION Nº 1 TABLE OF VARIABLES

W	A	X	Y
9'-0"	10"	5'-2"	1'-8"
	8"	4'-10"	1'-10"

SECTION Nº 2 TABLE OF VARIABLES

W	A	X	Y
9'-0"	10"	5'-11"	0'-9"
	8"	5'-8"	1'-2"

SECTION Nº 3 TABLE OF VARIABLES

W	A	B	X	Y	Z
9'-0"	8"	6"	4'-7"	1'-0"	1'-1"
	8"	8"	4'-3"	1'-1"	1'-4"
	8"	8"	4'-3"	1'-4"	1'-1"

SECTION Nº 4 TABLE OF VARIABLES

W	A	B	X	Y	Z
9'-0"	8"	6"	5'-1"	0'-8"	1'-1"
	8"	8"	4'-8"	0'-8"	1'-4"
	8"	8"	4'-8"	0'-11"	1'-1"

SECTION Nº 5-A TABLE OF VARIABLES

W-L	A	SUPERELEVATION					
		1"		2"		3"	
		X-L	Y	X-L	Y	X-L	Y
9'-0"	10"	5'-1"	1'-7"	5'-0"	1'-8"	4'-11"	1'-9"
	8"	4'-8"	1'-11"	4'-6"	2'-0"	4'-7"	2'-1"

SECTION Nº 5-B TABLE OF VARIABLES

W-L	A	SUPERELEVATION					
		1"		2"		3"	
		X-L	Y	X-L	Y	X-L	Y
9'-0"	10"	5'-10"	0'-10"	5'-8"	0'-11"	5'-5"	1'-0"
	8"	5'-5"	1'-3"	5'-3"	1'-5"	5'-2"	1'-6"

SECTION Nº 6-A TABLE OF VARIABLES

W-L	A	SUPERELEVATION			
		4"		5"	
		X-L	Y	X-L	Y
9'-0	10"	4'-10"	1'-10"	4'-9"	1'-11"
	8"	4'-6"	2'-2"	4'-5"	2'-3"

SECTION Nº 6-B TABLE OF VARIABLES

W-L	A	SUPERELEVATION			
		4"		5"	
		X-L	Y	X-L	Y
9'-0"	10"	5'-7	1'-1"	5'-5"	1'-3"
	8"	5'-1	1'-7"	5'-0"	1'-8"

SECTION Nº 7-A TABLE OF VARIABLES

W-L	A	B	SUPERELEVATION								
			1"			2"			3"		
			X-L	Y	Z	X-L	Y	Z	X-L	Y	Z
9'-0"	8"	6"	4'-6"	1'-1"	1'-1"	4'-5"	1'-2"	1'-1"	4'-4"	1'-3"	1'-1"
	8"	8"	4'-2"	1'-2"	1'-4"	4'-1"	1'-3"	1'-4"	4'-0"	1'-4"	1'-4"
	8"	8"	4'-2"	1'-5"	1'-1"	4'-1"	1'-6"	1'-1"	4'-0"	1'-7"	1'-1"

SECTION Nº 7-B TABLE OF VARIABLES

W-L	A	B	SUPERELEVATION								
			1"			2"			3"		
			X-L	Y	Z	X-L	Y	Z	X-L	Y	Z
9'-0	8"	6"	5'-0"	0'-7"	1'-1"	4'-11"	0'-8"	1'-1"	4'-10"	0'-9"	1'-1"
	8"	8"	4'-7"	0'-9"	1'-4"	4'-6"	0'-10"	1'-4"	4'-5"	0'-11"	1'-4"
	8"	8"	4'-7"	1'-0"	1'-1"	4'-6"	1'-1"	1'-1"	4'-5"	1'-2"	1'-1"

SECTION Nº 8-A TABLE OF VARIABLES

W-L	A	B	SUPERELEVATION					
			4"			5"		
			X-L	Y	Z	X-L	Y	Z
9'-0	8"	6"	4'-3"	1'-4"	1'-1"	4'-2"	1'-5"	1'-1"
	8"	8"	3'-11"	1'-5"	1'-4"	3'-10"	1'-6"	1'-4"
	8"	8"	3'-11"	1'-8"	1'-1"	3'-10"	1'-9"	1'-1"

SECTION Nº 8-B TABLE OF VARIABLES

W-L	A	B	SUPERELEVATION					
			4"			5"		
			X-L	Y	Z	X-L	Y	Z
9'-0"	8"	6"	4'-8"	0'-10"	1'-1"	4'-8"	0'-11"	1'-1"
	8"	8"	4'-4"	1'-0"	1'-4"	4'-3"	1'-1"	1'-4"
	8"	8"	4'-4"	1'-3"	1'-1"	4'-3"	1'-4"	1'-1"

SYMBOL	DESCRIPTION	DATE	APPROVAL
	NOTE ADDED: THIS DRAWING SUPERSEDES DWGS NOS. 617-104 & 40-12-01	12 APR 54	

REVISIONS

HOWE, FOSTER & SNYDER
ARCHITECTS — ENGINEERS
WASHINGTON, D. C.

DEPARTMENT OF THE ARMY
OFFICE OF THE CHIEF OF ENGINEERS
MILITARY CONSTRUCTION - ENGINEERING DIVISION
Washington, D. C.

DRAWN BY: W. T. M.
TRACED BY: W. T. M.
CHECKED BY:
SUBMITTED:
APPROVED FOR:

TYPICAL RAILROAD ROADBED CONSTRUCTION

SECTIONS & TABLES

DATE: 19 APRIL 1954
SCALE: ½" = 1'-0"
SPEC. NO.
DRAWING NUMBER
SHEET 17-01-02

CAUTION: Other mining chemical composition fluid on photographic film, sensitized surfaces with chemicals water.

● THIS DRAWING SUPERSEDES DWG. NO. 617-104 AND 40-12-01