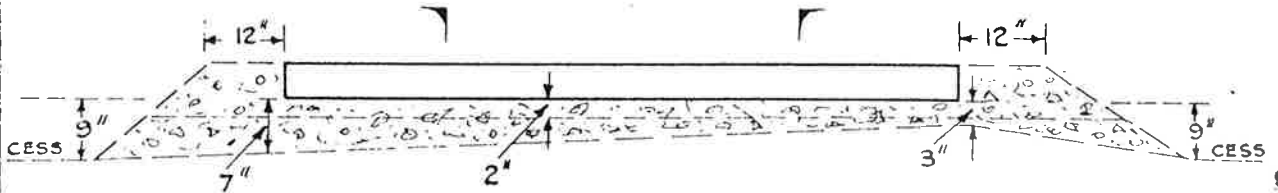


PERMANENT WAY
NOTES

BALLAST REQUIREMENTS FOR
PLAIN LINE.

THESE NOTES ARE INTENDED FOR THE GUIDANCE AND ASSISTANCE OF STAFF ENGAGED UPON PERMANENT WAY WORK. THEY DO NOT IN ANY WAY MODIFY, SUPPLEMENT OR AMEND THE INSTRUCTIONS LAID DOWN IN S.D.I. STANDARD DRAWINGS, CIRCULARS ETC. WHICH SHOULD BE REFERRED TO IN ALL CASES.



TYPICAL CROSS SECTION - UNCANTED TRACK.

N.B. IN THE TABLE BELOW, THE FOLLOWING ASSUMPTIONS ARE MADE:-

- (1) THE BALLAST SHOULDER WIDTH IS 12".
- (2) ALL CRIBS AND SHOULDERS ARE OPENED OUT TO 2" BELOW THE BOTTOM OF THE SLEEPERS.
- (3) THE BALLAST BED UNDER THE SLEEPER IS SCARIFIED, AND THIS BALLAST SPREAD OVER THE SECTION AND RETAINED.

ESTIMATED (TOP) BALLAST REQUIREMENTS FOR PLAIN LINE RENEWALS:-

	PER CHAIN CUB. YDS.	PER MILE CUB. YDS.
FOR TRACK NOT TO BE LIFTED	12½	1,000
" " TO BE LIFTED 1"	15	1,200
" " " " " 2"	17½	1,400
" " " " " 3"	20	1,600

E.G. WHEN ORDERING BALLAST FOR RELAYING OR RESLEEPERING :-

EXTENT OF RELAYING = 60 CHS.

TRACK TO BE LIFTED SAY 2"

TOTAL AMOUNT OF BALLAST REQUIRED -

FROM ABOVE TABLES = 60 x 17½ = 1050 cub. yds.

DEDUCT ESTIMATED QUANTITY OF EXISTING }
BALLAST WHICH IS SUITABLE FOR RE-USE } SAY 250 " "

TOTAL TO BE ORDERED = 800 cub. yds.

ESTIMATED (TOP) BALLAST REQUIREMENTS FOR ADDITIONAL
TRACKS (NEW WORKS.)

	PER CHAIN CUB. YDS.	PER MILE CUB. YDS.
BALLAST IN FULL CROSS SECTION AS DIAGRAM ON PAGE 4, "DEEP CLEANING OF BALLAST" BOOKLET.	23	1,840