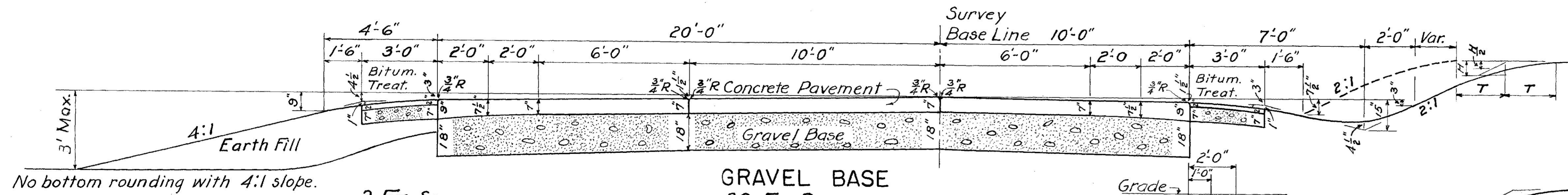






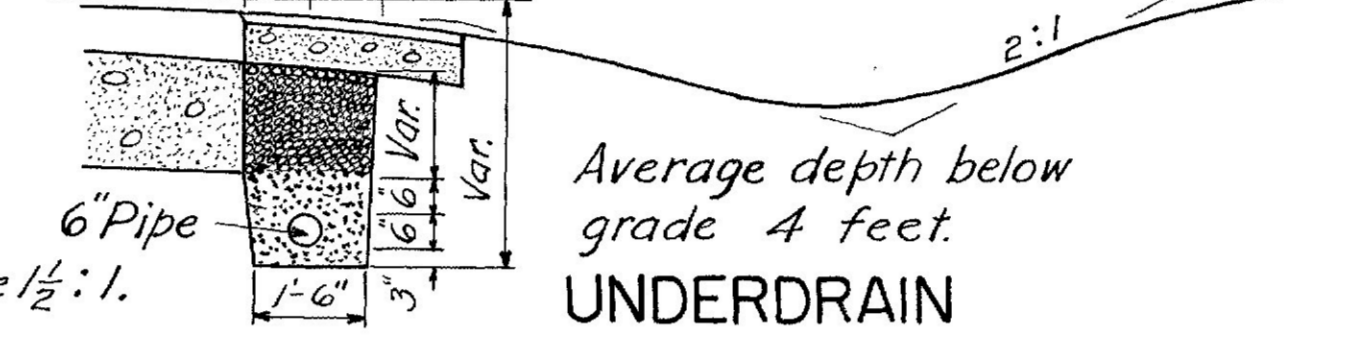
# CEMENT CONCRETE PAVEMENT

Sta 402+54 to 413+50 Bituminous Treatment to be 3 ft. wide each shoulder and 413+50 to 448+06 2 ft. wide each shoulder.

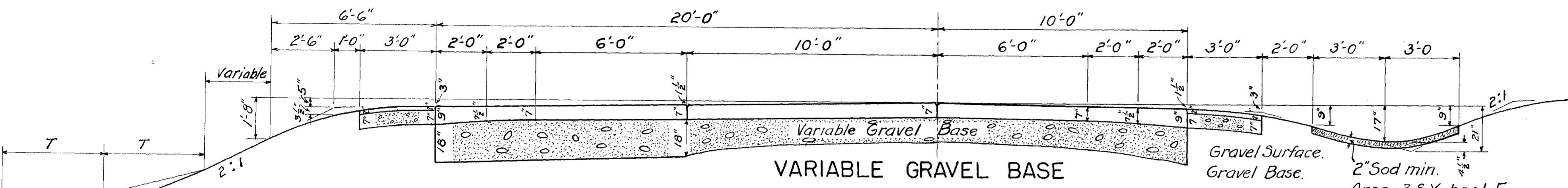


7" Grav. Base Course = 12.96 C.Y. per 100 L.F. (Both sides) Cement Conc. Pavement = 66.46 C.Y. per 100 L.F.  
 2" Grav. Surface Course = 3.70 C.Y. per 100 L.F. (Both sides) 18" Gravel Base Course = 171.20 C.Y. per 100 L.F.

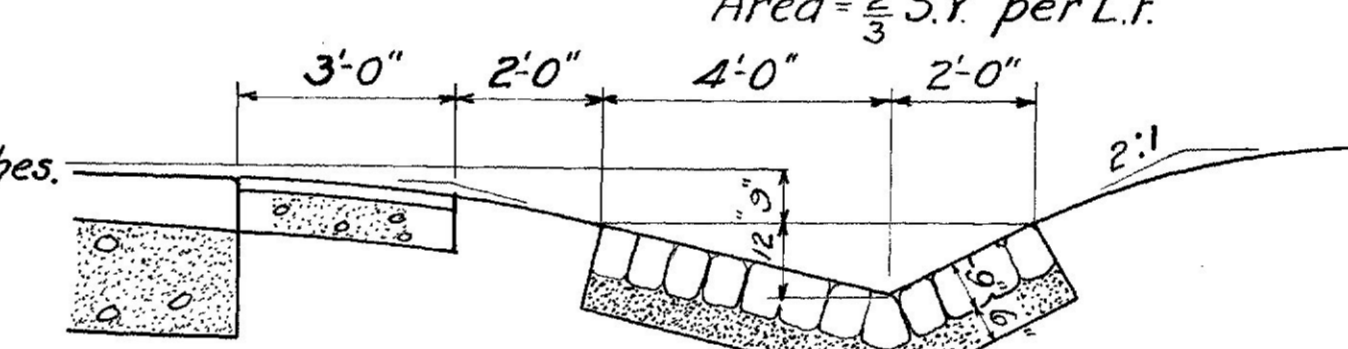
Depth of bases as shown may be changed to meet local conditions. Where a 2:1 slope in cuts is not practicable use 1 1/2 : 1.



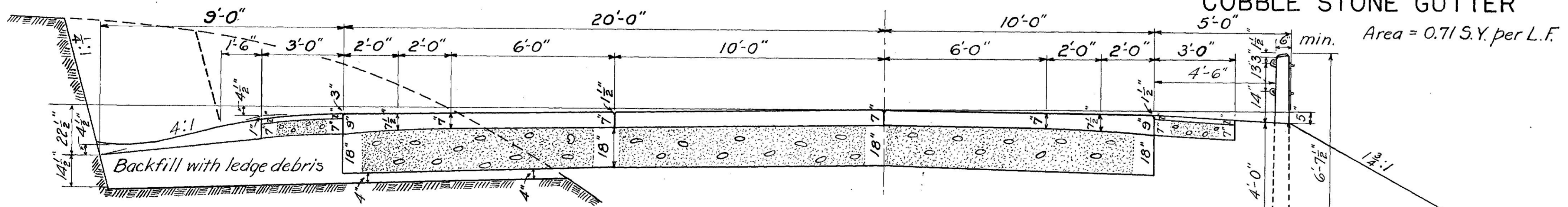
Average depth below grade 4 feet.



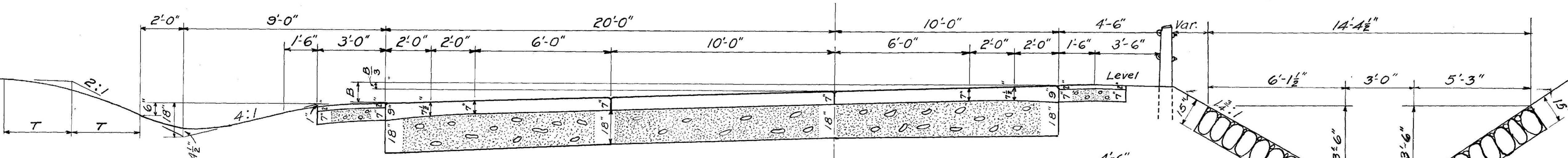
18" Gravel Base Course under outside slab only 57.82 C.Y. per 100 L.F.  
 Over old pavement only Sta 443+0 to 448+06  
 Minimum depth of variable Gravel Base = 2 inches.  
 Minimum depth of existing surface and base = 15 inches.



Area = 0.71 S.Y. per L.F.

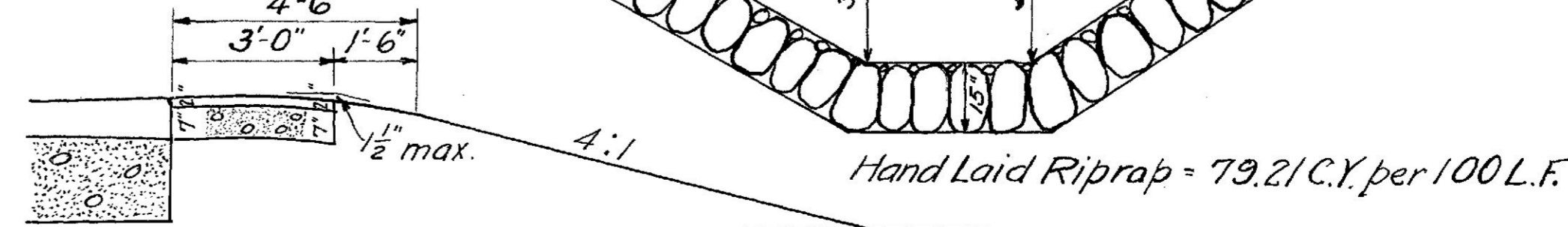


No bottom rounding with 1 1/2 : 1 slope.



For all sections depth of ditch and length of curve at top of slope depend on local conditions. Use longest curve practicable, T being 2 ft. min. and 5 ft. max.

Curves to be superelevated as shown on plans and cross sections.

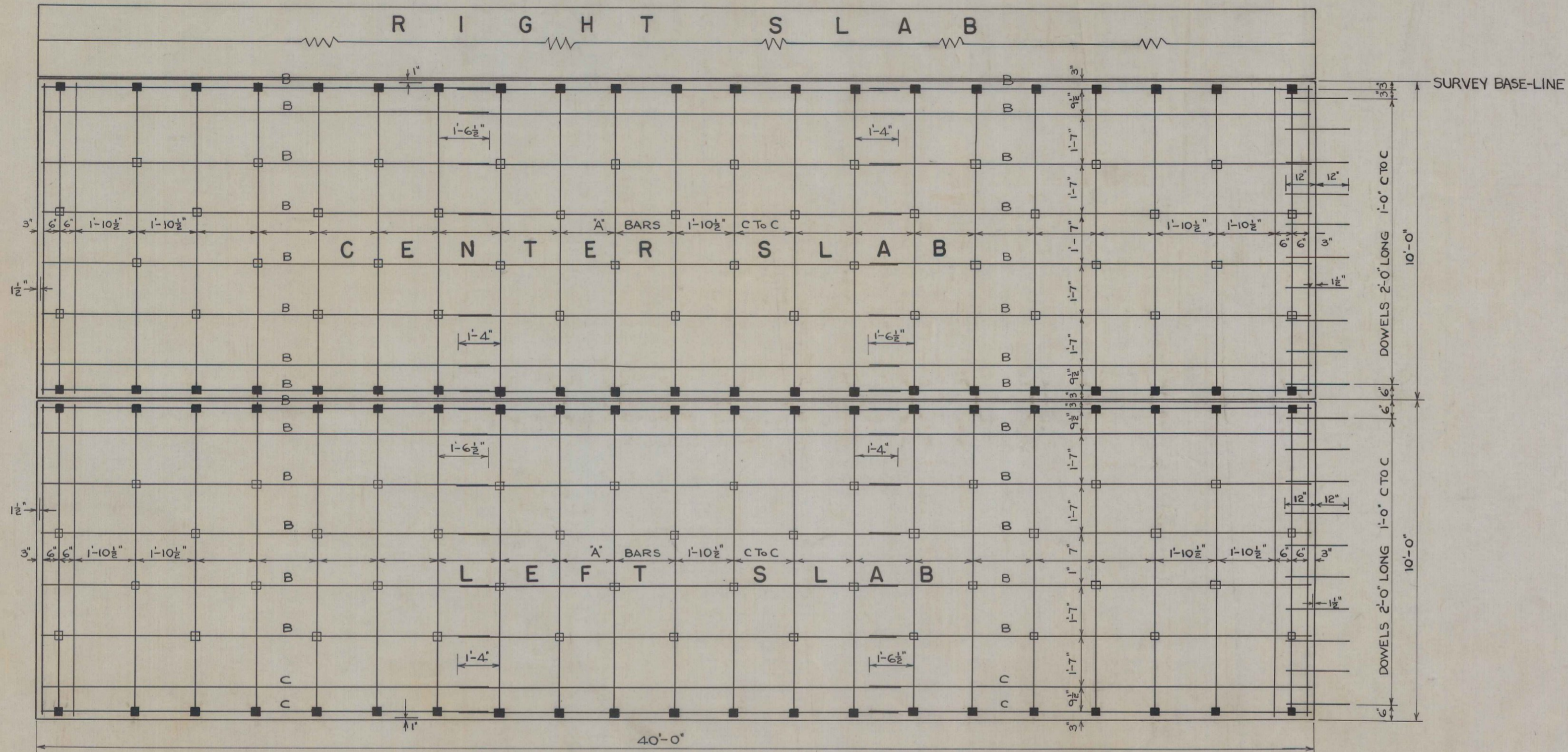


ITEMS	DESCRIPTION	QUANTITY	UNIT
12-A	EARTH EXCAVATION	11,525	CY
12-B	ROCK EXCAVATION	50	CY
12-C	TREES REMOVED	2	EACH
13	EXCAVATION FOR STRUCTURES	700	C.Y.
	ROCK EXCAV FOR STRUCTURES	10	CY
17-A	COMMON BORROW	300	C.Y.
17-B	GRAVEL BORROW	200	C.Y.
23	GRAVEL BASE COURSE	8,250	C.Y.
27	GRAVEL SURFACE COURSE	200	CY
31	CEMENT CONCRETE PAVEMENT	3022	CY
32	STEEL REINF CONC PAVEMENT	165,320	LBS.
35-A	CLASS "A" CONCRETE	33	CY
35-B	CLASS "B" CONCRETE	71	CY
36	STEEL REINF CONC. STRUCTS.	3875	LBS.
38	CEMENT RUBBLE MASONRY	2	CY
40-A	12" CORR. METAL PIPE	90	L.F.
43-A	12" REINF CONCRETE PIPE	153	L.F.
43-B	15" REINF CONCRETE PIPE	364	L.F.
43-C	18" REINF CONCRETE PIPE	254	L.F.
43-D	24" REINF CONCRETE PIPE	54	L.F.
44-D	12" VITRIFIED CLAY PIPE	116	L.F.
45-A	DROP INLETS TYPE "A"	5	EACH
45-B	DROP INLETS TYPE "B"	1	EACH
45-C	CATCH BASINS	2	EACH
47	HAND LAID RIPRAP	416	CY
48-A	UNDERDRAIN TYPE "A"	100	L.F.
49	COBBLE STONE GUTTER	575	S.Y.
51-A	WIRE CABLE GUARD RAIL	1824	L.F.
51-B	ANCHORAGES AT W.C.G.R.	14	EACH
52	LOAM	150	CY
54	SODDING	230	S.Y.
55	BITUMINOUS TREATMENT	1500	GALS
56	OVERHAUL	5000	Yd.Mi.



PLAN OF PAVEMENT REINFORCEMENT

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
9	MAINE	257-6		3	15



ALL BARS 3/8" DIAM. DOWELS 3/4" DIAM.  
 ALL TRANSVERSE BARS ARE 'A' BARS

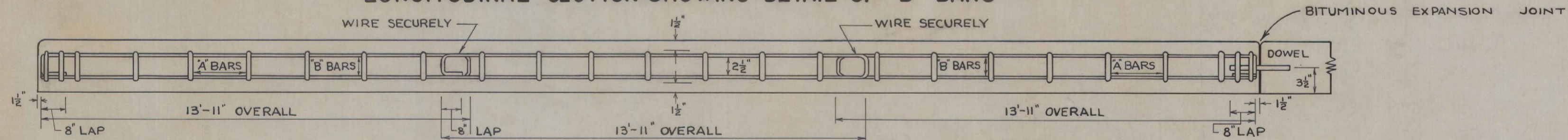
□ HIGH SUPPORTS  
 ■ LOW SUPPORTS

REINFORCING DATA

BARS 3/8" DIAMETER PLAIN STEEL = 0.376 LBS. PER LIN. FT.  
 DOWELS 3/4" DIAMETER PLAIN STEEL = 1.502 LBS. PER LIN. FT.  
 'A' BARS BENT 9'-10" OVERALL LAPPED 6" AND WIRED.  
 'B' BARS BENT 13'-11" OVERALL LAPPED 8" AND WIRED.  
 'C' BARS STRAIGHT 13'-11" LONG TOP AND BOTTOM.  
 DOWELS 2'-0" LONG  
 EACH OUTSIDE 10'x40' SLAB CONTAINS 25 'A' BARS, 18 'B' BARS AND 12 'C' BARS MADE UP IN 3 SECTIONS.  
 THE CENTER 10'x40' SLAB CONTAINS 25 'A' BARS, AND 24 'B' BARS MADE UP IN 3 SECTIONS.  
 EACH SECTION TO BE SECURELY WIRED BEFORE PLACING  
 EACH 10'x40' SLAB CONTAINS A MINIMUM OF 42 LOW SUPPORTS AND 42 HIGH SUPPORTS  
 TOTAL WEIGHT OF STEEL INCLUDING DOWELS FOR A 30 FOOT WIDTH OF PAVEMENT 10.908 LBS. PER SQ. YD.

DOWELS MUST BE ACCURATELY HELD IN PLACE PERPENDICULAR TO THE PLANE OF THE CROSS SECTION OF THE PAVEMENT. ONE-HALF OF THE DOWEL SHALL BE COATED WITH BITUMINOUS MATERIAL SUFFICIENT TO BREAK THE BOND, AND PROVIDED WITH A 6 IN. APPROVED TIGHT FITTING METAL CAP ALLOWING A 3/4 IN. EXPANSION.

LONGITUDINAL SECTION SHOWING DETAIL OF B BARS



TRANSVERSE SECTION SHOWING DETAIL OF A BARS

