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SHEET 12 Typical Sections

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14 - 158+00 - 173+00

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17 Standard Structure Sheet, S-20

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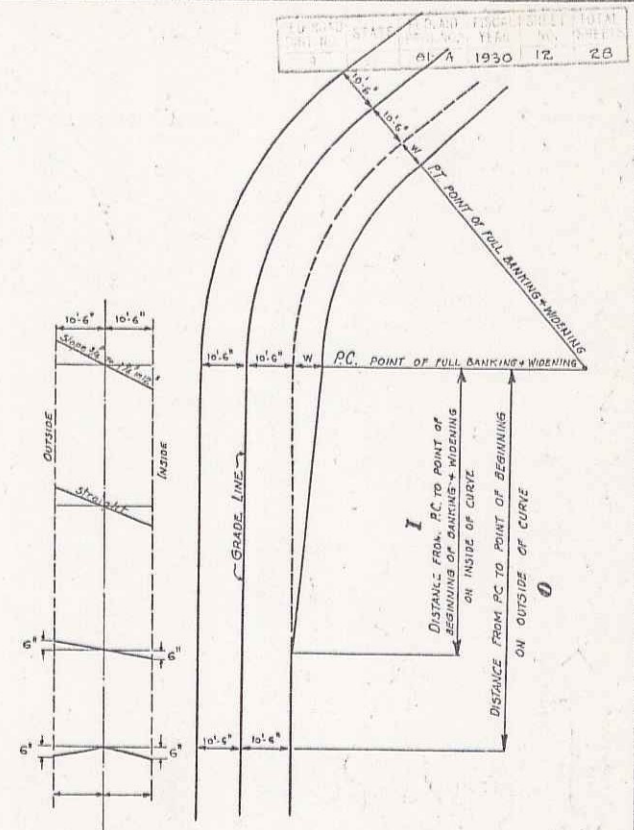
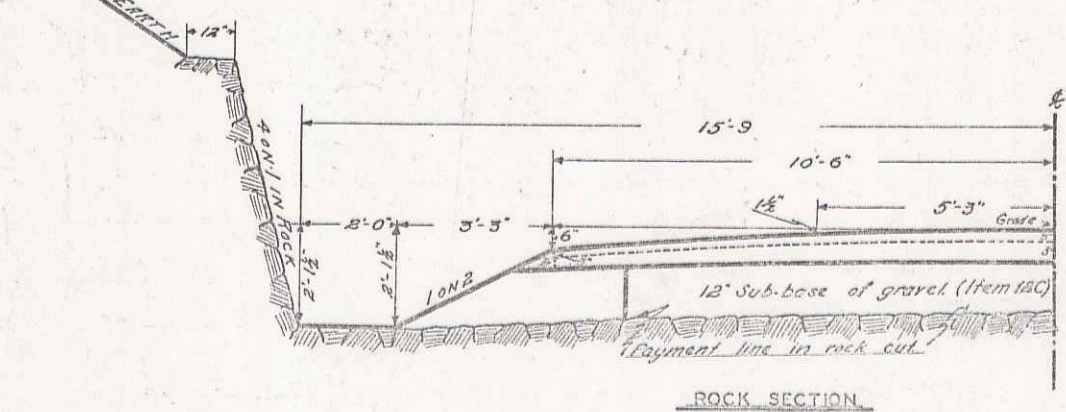
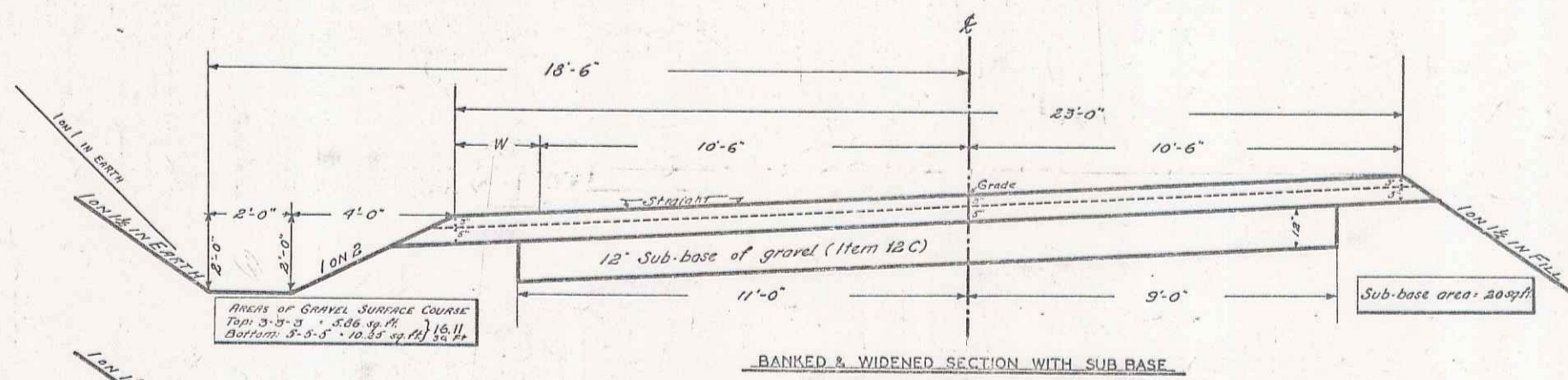
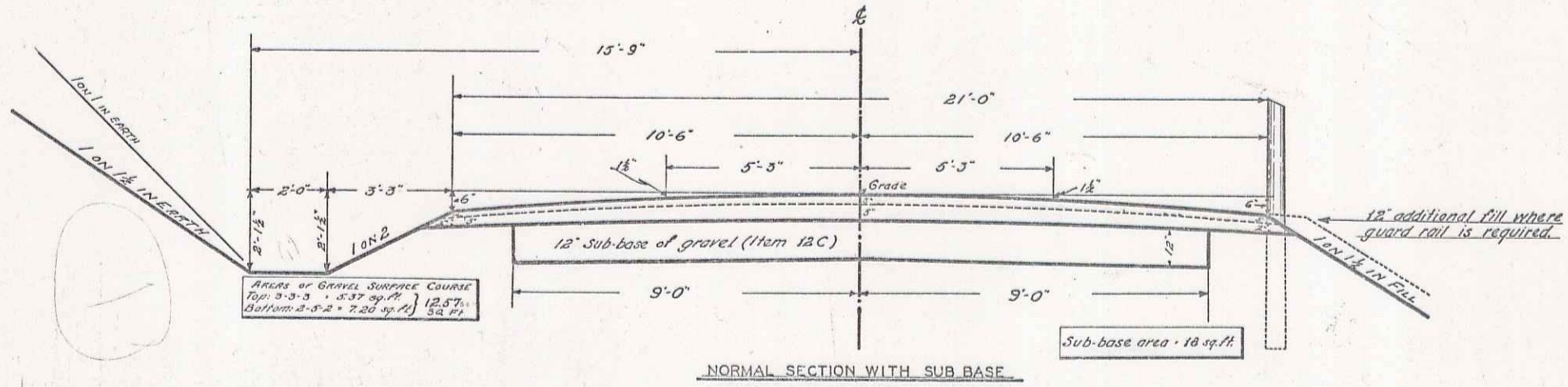
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20-28 Cross Sections

TYPICAL SECTIONS

**GRAVEL SURFACE COURSE
ITEM 20A**

HARDWICK ROAD PROJECT



BANKING AND WIDENING CURVES
 Begin to bank outside of curve a distance 'O' from PC, reaching full bank at PC.
 Begin to bank and widen inside of curve a distance 'I' from PC, reaching full bank and full widening at PC.

TABLE FOR BANKING AND WIDENING CURVES

DEGREE OF CURVE	FEET TO TRANSITION FROM TO	TRANSITION FROM TO	TRANSITION FROM TO
3° 0'	5° 0'	3/4"	100 ft 170 ft
5° 0'	6° 0'	3/4"	100 ft 170 ft
6° 0'	8° 0'	7/8"	120 ft 190 ft
9° 0'	14° 0'	1"	135 ft 190 ft
14° 0'	up	1 1/2"	150 ft 200 ft

BLEEDER OR SIDE DRAIN
 Bleeders or side drains from sub-base of gravel to be located at frequent intervals to provide proper drainage to side of road. Thickness of drain shall be equal to thickness of sub-base and width of drain shall be 3'-0". Construction methods to be same as for sub-base of gravel.

HARDWICK ROAD PROJECT

SECTION AREAS	
NORMAL	BANKED & WIDENED
12.57 sq ft	16.11 sq ft

Surveyed by DOE
 Designed by H. E. SARGENT
 Drawn by H. B. KIMBALL
 Traced by H. B. KIMBALL
 Checked by
 No. 81-A
 Sheet 212, 28 Sheets