S.F.A.			
DIST. NO.	COUNTY	ROAD NO.	SHEET NO.
9		70-C 1950	9 / 48

WOOD GUARD RAIL REQUIRED

CULVERT STATIONS	LEFT	RIGHT
81+36		24'

CABLE GUARD RAIL REQUIRED

STATIONS	LEFT	RIGHT
76+00 - 78+29	—	29
79+60 - 82+20	—	280
86+77 - 88+77	200	—
88+60 - 89+03	—	49
90+63 - 92+00	137	—
90+30 - 92+00	—	150

NEW REINF CONCRETE PIPE CULVERTS REQUIRED

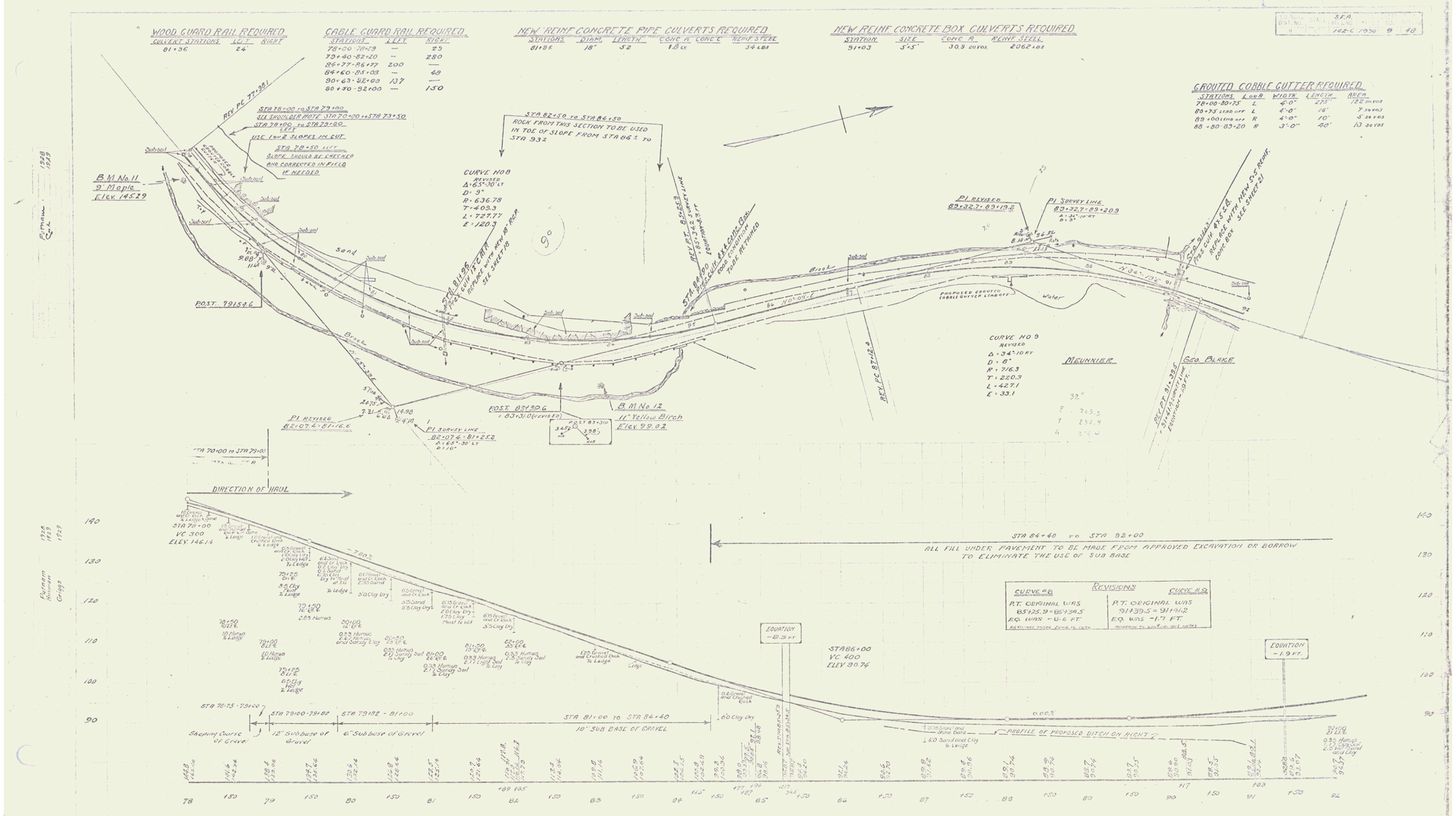
STATIONS	DIAM.	LENGTH	CONC A CONC C	REINF STEEL
81+36	18"	52	1.8 cu	34 LBS

NEW REINF CONCRETE BOX CULVERTS REQUIRED

STATION	SIZE	CONC A	REINF STEEL
91+03	3'-5'	30.9 cu yds.	2062 LBS

GROUTED COBBLE GUTTER REQUIRED

STATIONS	LOCA	WIDTH	LENGTH	AREA
78+00-80+25	L	4'-0"	275'	122 sq yds
80+75 LEAD OFF	L	4'-0"	16'	7 sq yds
89+00 LEAD OFF	R	4'-0"	10'	5 sq yds
88+80-89+20	R	3'-0"	40'	13 sq yds



REVISIONS	
CURVE #8	CURVE #9
P.T. ORIGINAL WAS 85+25.9 = 85+34.5	P.T. ORIGINAL WAS 91+39.5 = 91+41.2
EQ. WAS -8.6 FT.	EQ. WAS -1.7 FT.
REVISIONS MADE ENGINEERING DESIGN	ACCORDING TO SURVEY NOTES

BM No 11 Spike in 9" Maple 18' right Sta 78+23 Elev. 145.29
B.M. No 12 Back side 11" Y. Birch by 18" Pine 50' right Sta 83+83 Elev. 99.02

SERIES S.F.H. No. 1930
SHEET 9 OF 48

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