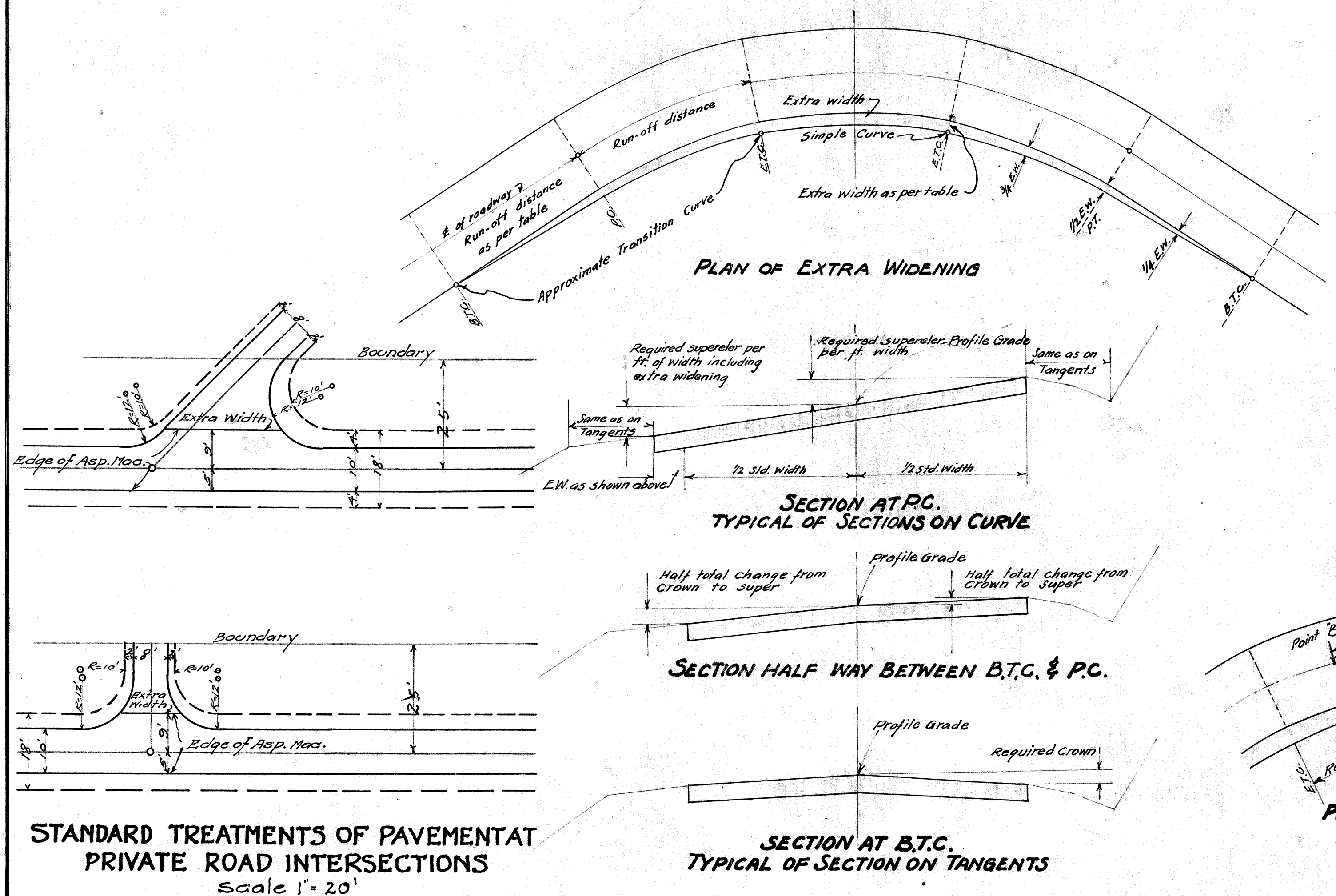
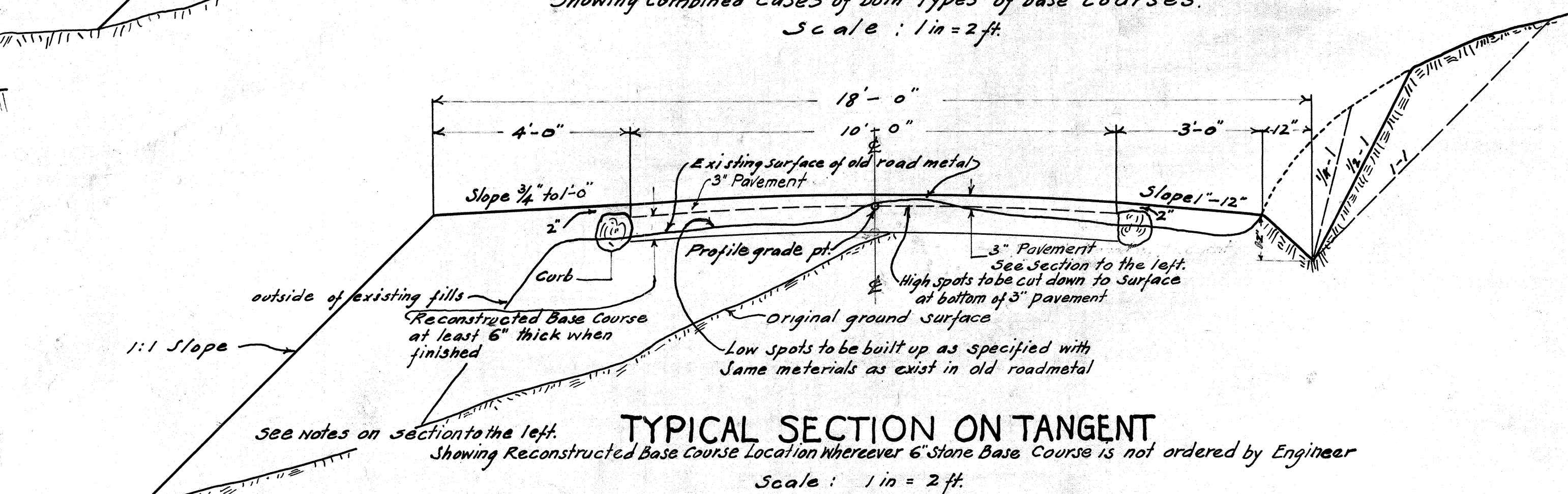
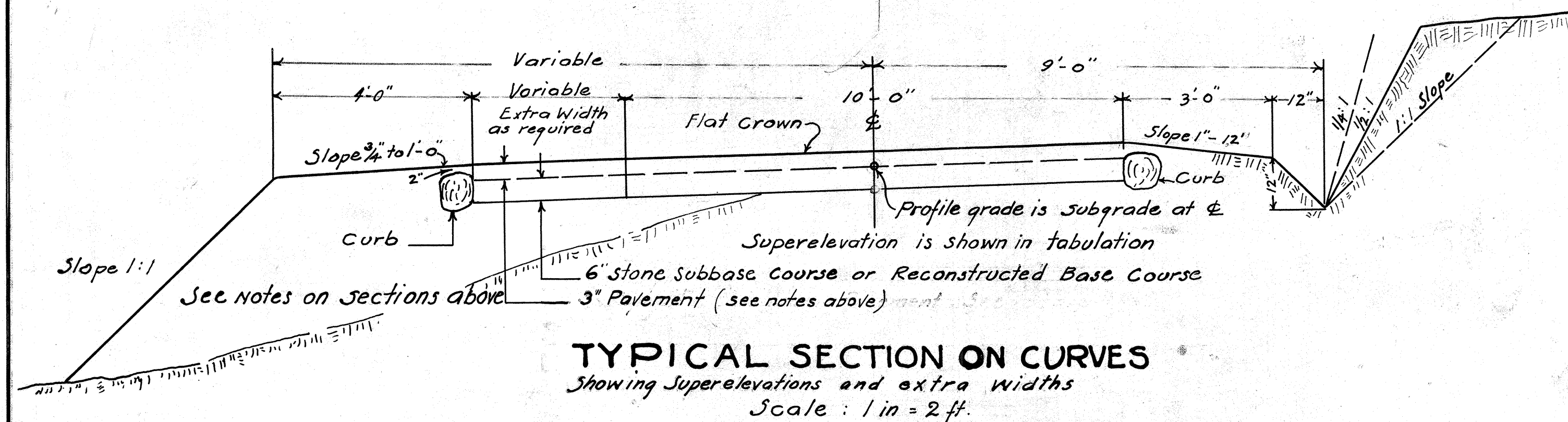
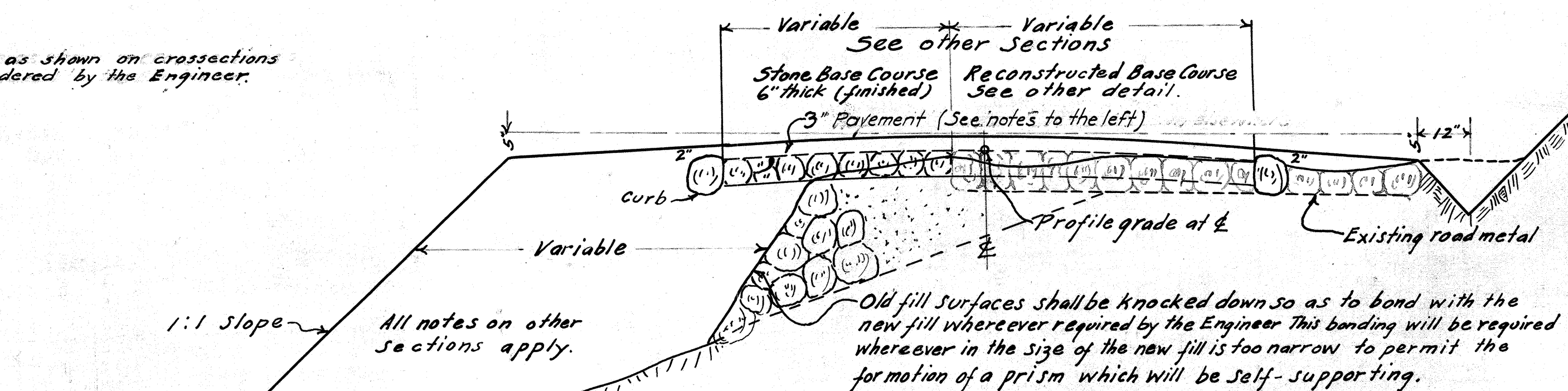
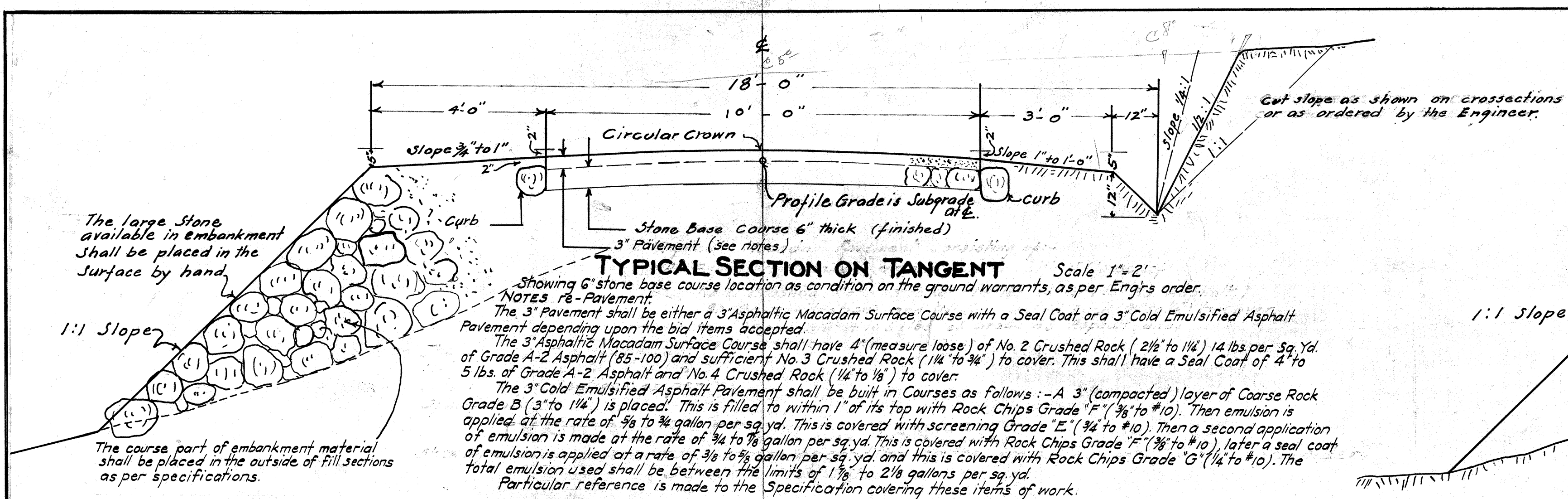


FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAW.	HAW.	8 B	1931	2	16

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAW.	HAW.	8 C	1931	2	16

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAW.	HAW.	8 D	1931	2	16

This sheet applies to all three Jobs

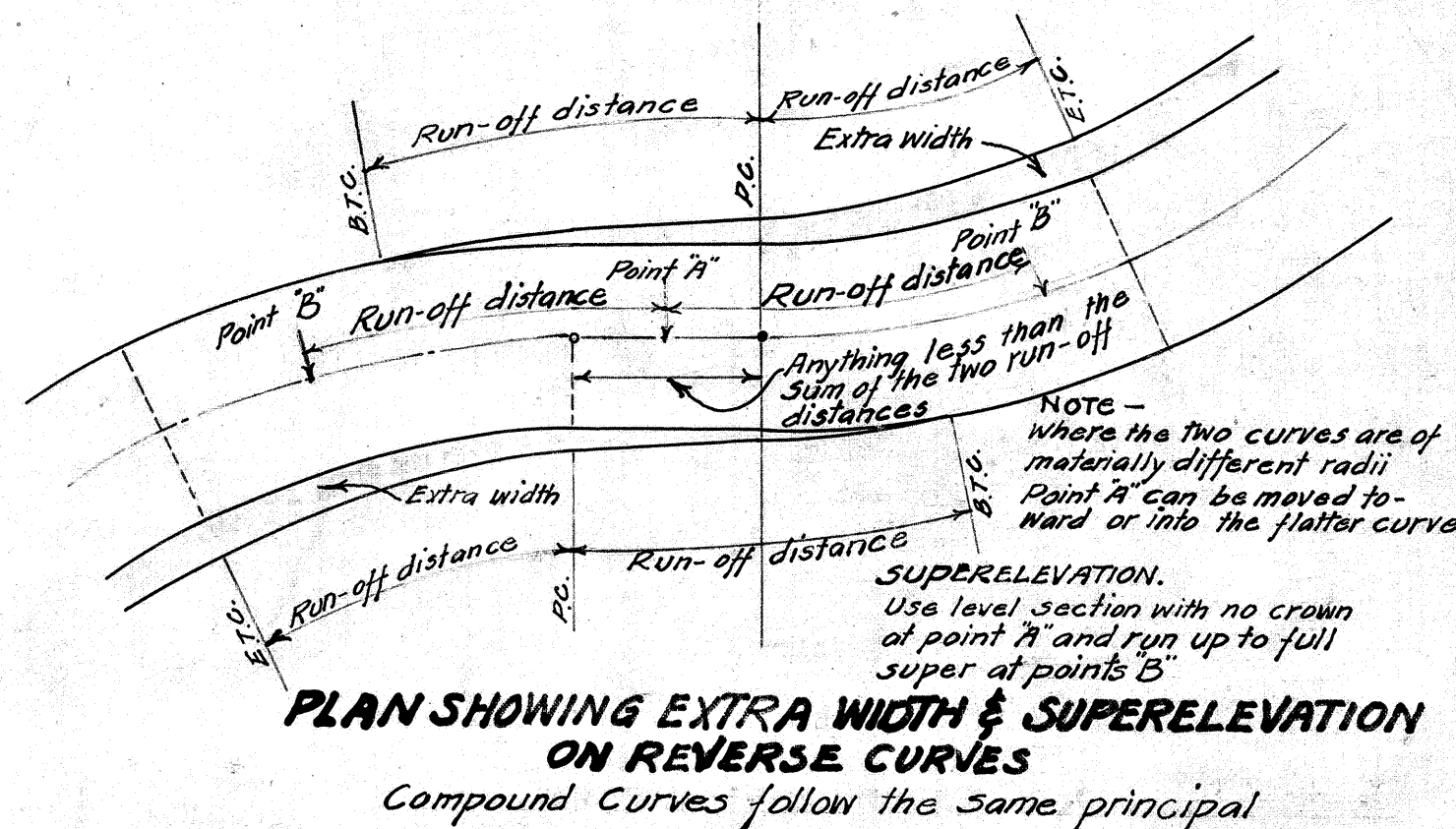


RADIUS	SUPERELEVATION								EXTRA WIDENING				RADIUS
	PER FOOT OF PAVEMENT WIDTH								FOR PAVT WIDTH OF				
	CENTRAL ANGLE α								UNDER 14 FT.				
									14 FT. & OVER				
	0°20'	30°	40°	50°	60°	80°	100°	120°	EXTRA WIDTH	RUN-OFF DISTANCE	EXTRA WIDTH	RUN-OFF DISTANCE	
50									5.00		1.00		50
100									4.00	5.00	8.00		100
150		Use	Maximum	Super	3 =	0.125			3.00		6.00	7.50	150
200									2.50		5.00		200
250									2.00		4.50		250
300	0.111	1.23							1.75	2.50	4.00	5.00	300
350	0.083	1.00	1.17						1.50		3.50		350
400	0.076	0.85	0.99	1.09	1.14	1.21			1.00		3.00		400
450	0.068	0.75	0.87	0.95	1.00	1.06	1.10	1.12	1.00		2.50		450
500	0.060	0.66	0.77	0.84	0.89	0.94	0.98	1.00	0.00		2.00	2.50	500
600	0.054	0.60	0.70	0.76	0.80	0.85	0.88	0.90			1.50		600
700	0.048	0.54	0.63	0.68	0.72	0.77	0.80	0.82			1.00		700
800	0.043	0.49	0.57	0.62	0.66	0.70	0.73	0.75			0.00		800
900	0.038	0.44	0.51	0.56	0.60	0.64	0.67	0.69					900
1000	0.034	0.39	0.46	0.51	0.55	0.59	0.62	0.64					1000
1250	0.027	0.30	0.35	0.38	0.41								1250
1500	0.023	0.26	0.27	0.31									1500
	0.018	0.21	0.23	0.25									
No superlevation on curves over 1500 Radius													
All values are in feet. Exact values may be varied in field stakeouts for simplicity in figuring.													

All values are in feet. Exact values may be varied in field stakeouts for simplicity in figuring.

SUPERELEVATION shall start at the B.T.C. and reach the full super required at the P.C. by lowering and raising the outer edges of the pavement at the uniform rate from the standard crown to the required super-elevation on flat grades super-elevation parallel to the grade to prevent pockets in the gutter.

EXTRA WIDENING as required shall be accomplished at the uniform rate between the B.T.C. and E.T.C. The slight kink which is evident at the E.T.C. on the sharper curves shall be eased by eye.



TERRITORY OF HAWAII
TERRITORIAL HIGHWAY DEPARTMENT
HONOLULU, T.H.

STANDARD
SUPERELEVATION & EXTRA WIDENING
OF PAVEMENTS ON CURVES

4191.2
4192.2
4193.2