

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	32-A(1)	1939	2	84
FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	32-A(1)	1941	1	2

NOTE: Tops of cut slopes are to be rounded as shown at the places indicated by the Engineer. Where cut slopes measure less than 5 ft. the 5 ft. tangent shown in the rounding of cuts shall be changed to correspond with depth of cut. Rounded tops of cuts are paid for by their length as per specifications. Materials excavated in this shaded area shall not be included for payment under the items of "Excavation & Overhaul"

TYPICAL ROAD SECTION ON TANGENTS

Scale: $\frac{3}{8}$ " = 1'-0"

NOTE: In cut sections the shoulders and gutters shall be formed to the dimensions and slopes required and then the edge of shoulders rounded off evenly at no particular radius.

SUPERELEVATION:-

Superelevation shall be in accordance with the requirements for a designed speed of 50 miles per hour as recommended by the Bureau of Public Roads.

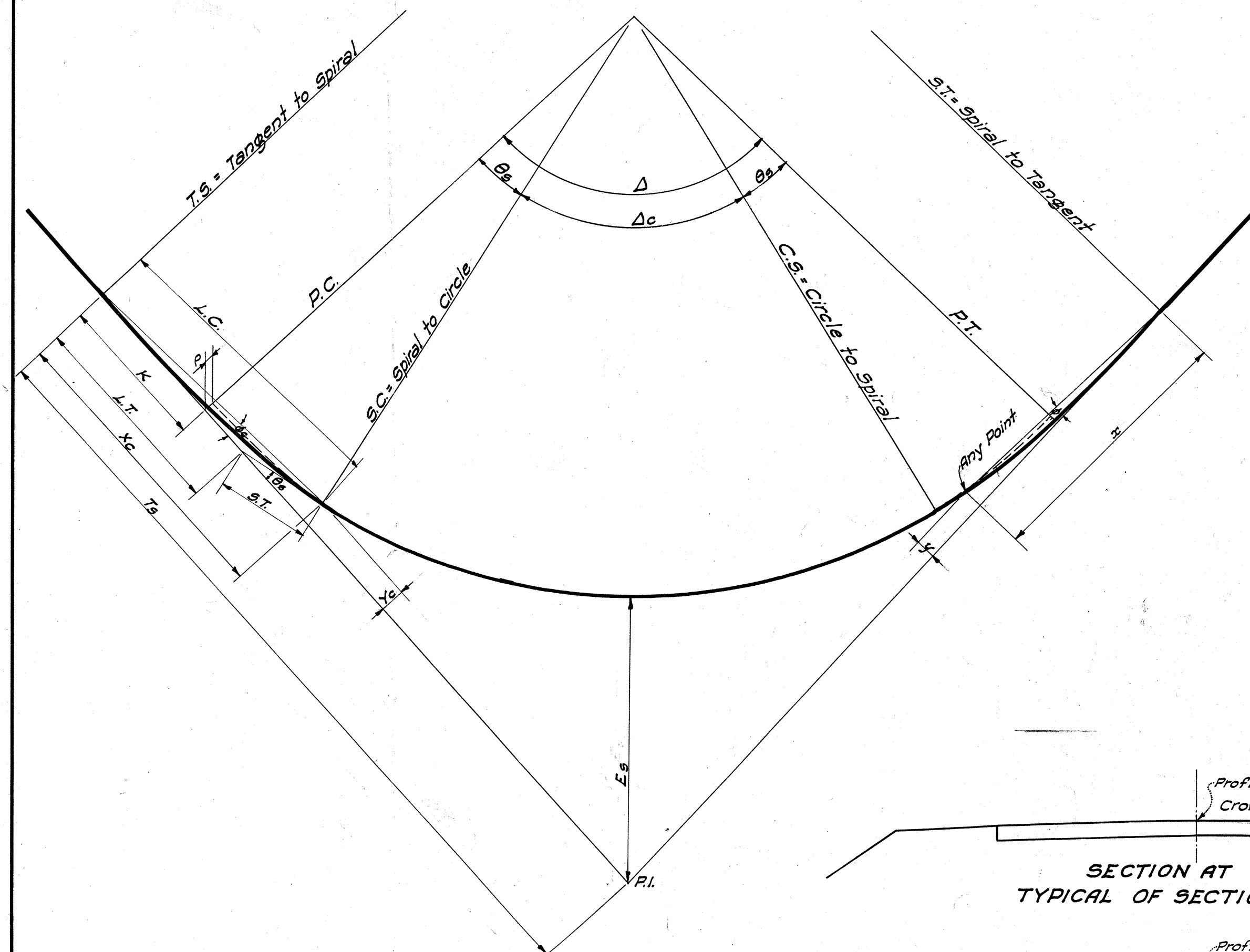
For simple curves superelevation shall start at a point 200' from the P.C. and reach the full super required at the P.C. by lowering & raising the outer edges of the pav't at a uniform rate from the standard crown to the required superelevation.

For spiral curves superelevation shall start at the T.S. and reach the full super required at the S.C. by lowering & raising the outer edges of the pav't at a uniform rate from the standard crown to the required superelevation.

EXTRA WIDENING:-

Widening shall be in accordance with the requirements for a designed speed of 50 miles per hour as recommended by the Bureau of Public Roads.

Widening shall begin at the T.S. with zero and attain a maximum at the S.C. and diminish from the maximum at the C.S. to zero at the S.T. Appearance of break at the S.C. & C.S. shall be avoided by eye adjustments of the stakes in the field.



TYPICAL TEN-CHORD SPIRAL

NOTE: Values for lettered dimensions to be taken from tables for length of spiral selected.

SECTION AT T.S. & S.T. TYPICAL OF SECTION ON TANGENT

SECTION AT S.C. & C.S. TYPICAL OF SECTION ON CURVE

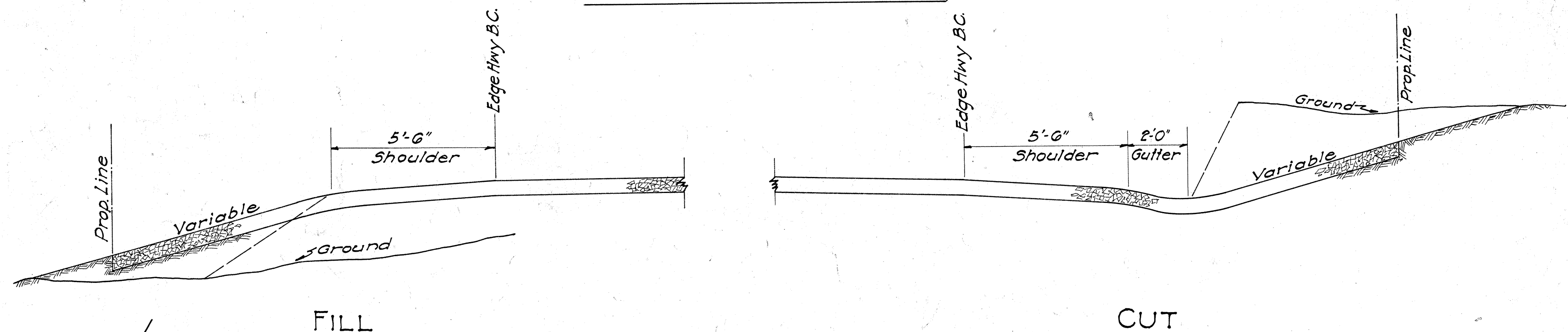
TYPICAL ROAD SECTION ON CURVES

Scale: $\frac{3}{8}$ " = 1'-0"

NOTE: When super is less than .063 ft. per ft. shoulder slope is $\frac{3}{4}$:1. When super is equal to or greater than .063 ft. per ft. shoulder slope is the same as the rate of super. This note applies only to the shoulder on the lower side of the super.

SPECIAL C.R.M. DITCH SECTION

Sta. 108+50 to Sta. 113+00 Right only
Sta. 260+00 " Sta. 266+00 " "
Sta. 277+50 " Sta. 281+50 " "



DETAILS OF PAVED SIDEROAD APPROACHES

Scale: $\frac{3}{8}$ " = 1'-0"

GUARD RAIL STATIONS

6+75 to 8+25	Left only	250+75 to 253+00	Left only
10+33 " 14+00	Left & Right	251+50 " 253+00	Right only
30+75 " 37+50	" "	257+00 " 258+25	Left & Right
51+50 " 52+00	" "	265+75 " 277+50	Left only
70+00 " 71+50	" "	267+25 " 277+50	Right only
77+50 " 78+50	Left only	286+50 " 289+50	Left only
86+25 " 89+50	" "	287+25 " 289+50	Right only
103+00 " 104+25	Left & Right	291+85 " 294+00	Left only
107+00 " 108+75	" "	291+85 " 293+00	Right only
131+00 " 132+00	" "	296+00 " 296+50	Left & Right
218+50 " 224+50	" "	303+75 " 306+50	" "
231+75 " 236+70	Left only	316+25 " 318+75	" "
231+75 " 236+00	Right only		
245+75 " 247+75	Left & Right		

TERRITORIAL HIGHWAY DEPARTMENT
TERRITORY OF HAWAII

TYPICAL ROAD SECTIONS
HANA BELT ROAD F.A.P. 32-A(1)