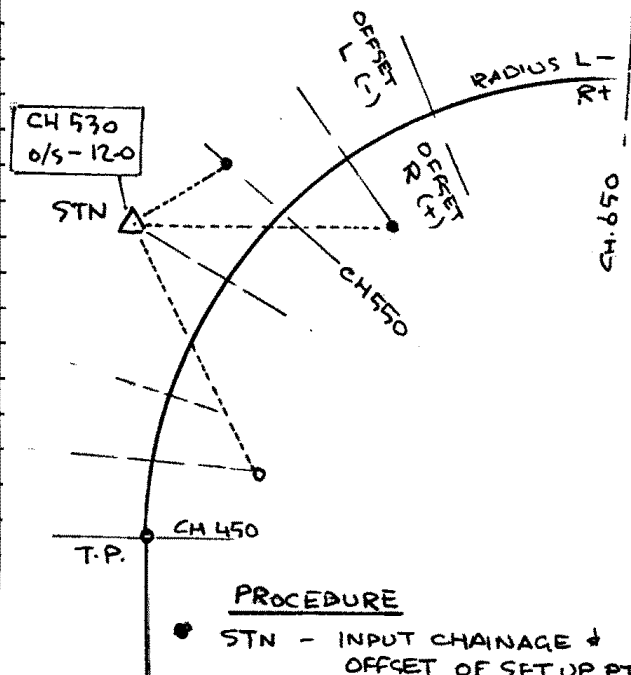


PROGRAM: HORIZONTAL CURVE SET OUT  
(351-Bytes)

HP42S

1	LBL 'C/SET'	51	INPUT 'o/s'	101	-	151
2	CLRG	52	LBL $\phi 5$	102	$\rightarrow$ POL	152
3	CLMENU	53	FIX $\phi 3$	103	$\bar{x}\bar{y}$	153
4	MENU	54	INPUT 'Intv'	104	$\bar{x} > 0 ?$	154
5	'STN'	55	LBL $\phi 6$	105	GTO $\phi 8$	155
6	KEY 1 GTO $\phi 1$	56	RCL 'STnCH'	106	360	156
7	'CURV'	57	RCL 'TPch'	107	$\rightarrow$ HR	157
8	KEY 2 GTO $\phi 2$	58	-	108	+	158
9	'CHGE'	59	RCL 'Radius'	109	LBL $\phi 8$	159
10	KEY 3 GTO $\phi 3$	60	$\div$	110	FIX $\phi 4$	160
11	'o/s'	61	$\rightarrow$ DEG	111	$\rightarrow$ HMS	161
12	KEY 4 GTO $\phi 4$	62	270	112	'Brg = '	162
13	'INTV'	63	+	113	ARCL ST.X	163
14	KEY 5 GTO $\phi 5$	64	RCL 'Radius'	114	PROMPT	164
15	'RUN'	65	RCL 'STnOS'	115	FIX $\phi 3$	165
16	KEY 6 GTO $\phi 6$	66	-	116	'Dist = '	166
17	LBL $\phi 1$	67	$\rightarrow$ REC	117	ARCL ST.Y	167
18	FIX $\phi 3$	68	STO $\phi 3$	118	PROMPT	168
19	INPUT 'STnCH'	69	$\bar{x}\bar{y}$	119	RCL 'CHGE'	169
20	INPUT 'STnOS'	70	STO $\phi 4$	120	RCL 'Intv'	170
21	GTO $\phi 2$	71	LBL $\phi 8$	121	+	171
22	LBL $\phi 2$	72	RCL 'o/s'	122	STO 'CHGE'	172
23	FIX $\phi 3$	73	'o/s = '	123	GTO $\phi 6$	173
24	INPUT 'TPch'	74	ARCL ST.X	124	END	174
25	'L-/R+ CURVE'	75	AVIEW	125		175
26	AVIEW	76	PSE			
27	PSE	77	RCL 'CHGE'			
28	INPUT 'Radius'	78	'Ch = '			
29	$\bar{x} < 0 ?$	79	ARCL ST.X			
30	GTO $\phi 7$	80	AVIEW			
31	90	81	PSE			
32	$\bar{x}\bar{y}$	82	RCL 'CHGE'			
33	$\rightarrow$ REC	83	RCL 'TPch'			
34	STO $\phi 8$	84	-			
35	$\bar{x}\bar{y}$	85	RCL 'Radius'			
36	STO $\phi 9$	86	$\div$			
37	GTO $\phi 6$	87	$\rightarrow$ DEG			
38	LBL $\phi 7$	88	270			
39	270	89	+			
40	$\bar{x}\bar{y}$	90	RCL 'Radius'			
41	$\rightarrow$ REC	91	RCL 'o/s'			
42	STO $\phi 8$	92	-			
43	$\bar{x}\bar{y}$	93	$\rightarrow$ REC			
44	STO $\phi 9$	94	STO 10			
45	LBL $\phi 3$	95	$\bar{x}\bar{y}$			
46	FIX $\phi 3$	96	STO 11			
47	INPUT 'CHGE'	97	RCL $\phi 4$			
48	GTO $\phi 6$	98	-			
49	LBL $\phi 4$	99	$\bar{x}\bar{y}$			
50	FIX $\phi 3$	100	RCL $\phi 3$			



PROCEDURE

- STN - INPUT CHAINAGE + OFFSET OF SET UP PT.
- CURV INPUT T.P. CHAINAGE + RADIUS CURVE
- CHG OF BACKSIGHT
- O/S OF BACKSIGHT
- INTV SET INTERVAL
- RUN OUTPUTS BACKSIGHT RADIATION
- EDIT + REPEAT AS REQUIRED FOR SETOUT POINTS

