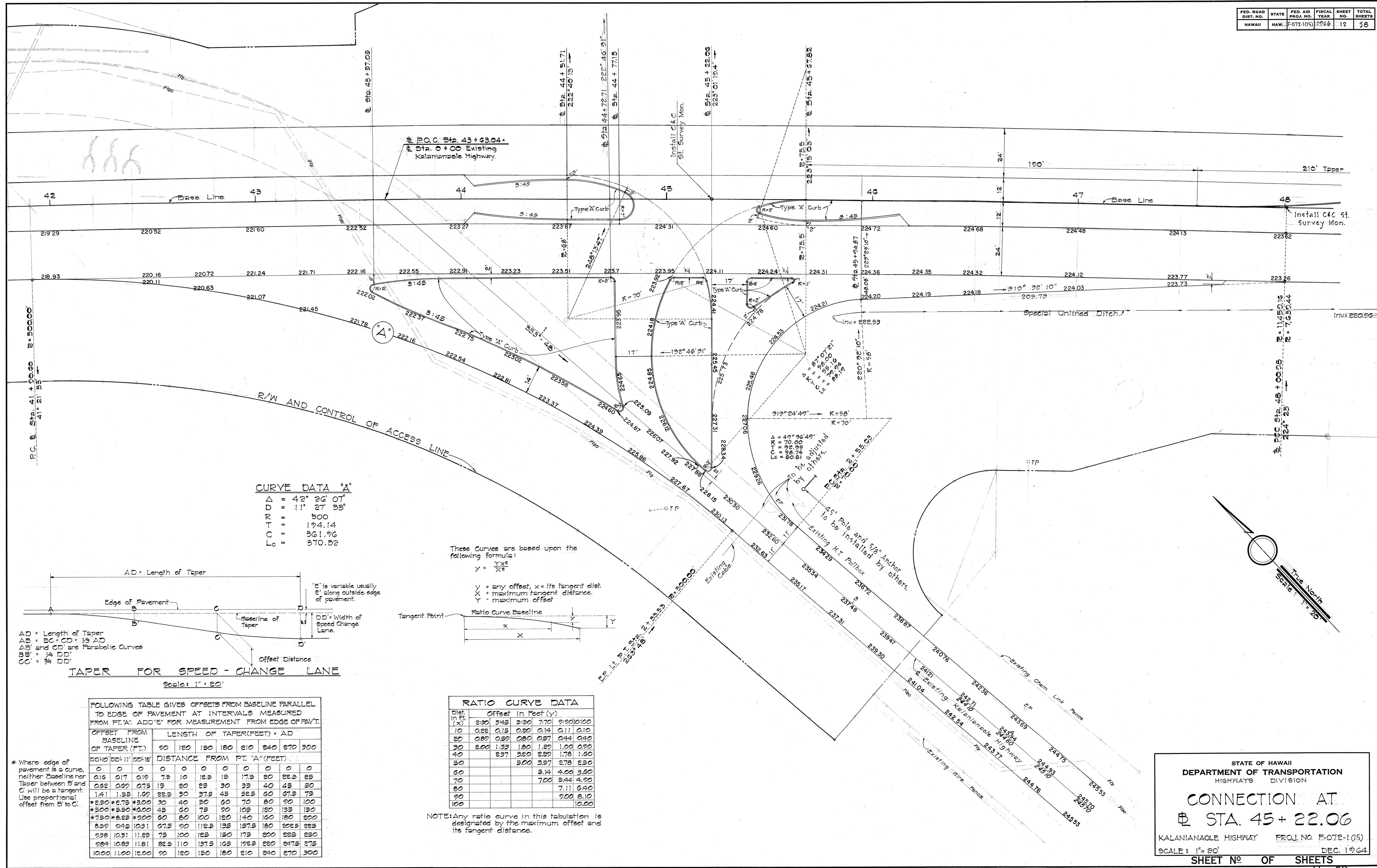
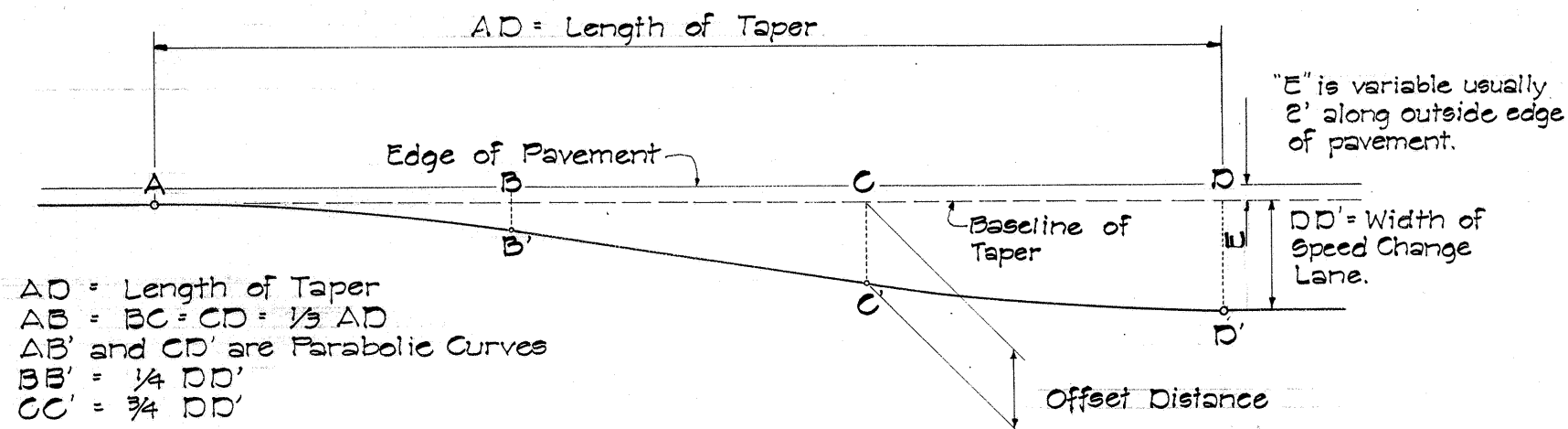




CURVE DATA "A"
Δ = 42° 26' 07"
D = 11° 27' 33"
R = 500
T = 174.14
C = 361.76
Lc = 370.52

These Curves are based upon the following formula:
 $y = \frac{Yx^2}{X^2}$
Y = any offset, x = its tangent dist.
X = maximum tangent distance.
Y = maximum offset



TAPER FOR SPEED - CHANGE LANE
Scale: 1" = 20'

FOLLOWING TABLE GIVES OFFSETS FROM BASELINE PARALLEL TO EDGE OF PAVEMENT AT INTERVALS MEASURED FROM PT. 'A'. ADD 'E' FOR MEASUREMENT FROM EDGE OF PAVT.

Offset from Baseline of Taper (ft.)	Length of Taper (feet) = AD	Distance from Pt. 'A' (feet)
0	0	0
0.16	0.17	7.5
0.32	0.33	15
0.48	0.49	22.5
0.64	0.65	30
0.80	0.81	37.5
0.96	0.97	45
1.12	1.13	52.5
1.28	1.29	60
1.44	1.45	67.5
1.60	1.61	75
1.76	1.77	82.5
1.92	1.93	90
2.08	2.09	97.5
2.24	2.25	105
2.40	2.41	112.5
2.56	2.57	120
2.72	2.73	127.5
2.88	2.89	135
3.04	3.05	142.5
3.20	3.21	150
3.36	3.37	157.5
3.52	3.53	165
3.68	3.69	172.5
3.84	3.85	180
4.00	4.01	187.5
4.16	4.17	195
4.32	4.33	202.5
4.48	4.49	210
4.64	4.65	217.5
4.80	4.81	225
4.96	4.97	232.5
5.12	5.13	240
5.28	5.29	247.5
5.44	5.45	255
5.60	5.61	262.5
5.76	5.77	270
5.92	5.93	277.5
6.08	6.09	285
6.24	6.25	292.5
6.40	6.41	300

RATIO CURVE DATA

Dist. in ft. (x)	Offset in Feet (y)
2.50	0.15
5.00	0.30
7.50	0.45
10.00	0.60
12.50	0.75
15.00	0.90
17.50	1.05
20.00	1.20
22.50	1.35
25.00	1.50
27.50	1.65
30.00	1.80
32.50	1.95
35.00	2.10
37.50	2.25
40.00	2.40
42.50	2.55
45.00	2.70
47.50	2.85
50.00	3.00

NOTE: Any ratio curve in this tabulation is designated by the maximum offset and its tangent distance.

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION
CONNECTION AT
Sta. 45 + 22.06
KALANIANAʻOLE HIGHWAY
SCALE: 1" = 20'
SHEET NO. 12 OF SHEETS

DATE: _____
SURVEY PLOTTED BY: _____
DRAWN BY: _____
CHECKED BY: _____
NOTE BOOK: _____
No. _____