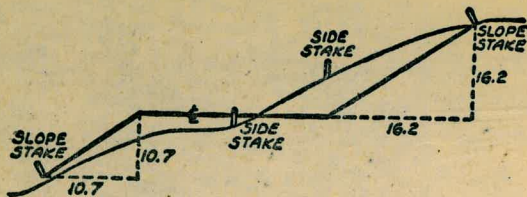


2001

TRANSIT BOOK



DISTANCES FROM SIDE STAKES FOR CROSS-SECTIONING  
SLOPE 1 TO 1. ROADWAY OF ANY WIDTH

	0	1	2	3	4	5	6	7	8	9	
0	0.00	0.10	0.20	0.30	0.40	0.50	0.60	0.70	0.80	0.90	0
1	1.00	1.10	1.20	1.30	1.40	1.50	1.60	1.70	1.80	1.90	1
2	2.00	2.10	2.20	2.30	2.40	2.50	2.60	2.70	2.80	2.90	2
3	3.00	3.10	3.20	3.30	3.40	3.50	3.60	3.70	3.80	3.90	3
4	4.00	4.10	4.20	4.30	4.40	4.50	4.60	4.70	4.80	4.90	4
5	5.00	5.10	5.20	5.30	5.40	5.50	5.60	5.70	5.80	5.90	5
6	6.00	6.10	6.20	6.30	6.40	6.50	6.60	6.70	6.80	6.90	6
7	7.00	7.10	7.20	7.30	7.40	7.50	7.60	7.70	7.80	7.90	7
8	8.00	8.10	8.20	8.30	8.40	8.50	8.60	8.70	8.80	8.90	8
9	9.00	9.10	9.20	9.30	9.40	9.50	9.60	9.70	9.80	9.90	9
10	10.00	10.10	10.20	10.30	10.40	10.50	10.60	10.70	10.80	10.90	10
11	11.00	11.10	11.20	11.30	11.40	11.50	11.60	11.70	11.80	11.90	11
12	12.00	12.10	12.20	12.30	12.40	12.50	12.60	12.70	12.80	12.90	12
13	13.00	13.10	13.20	13.30	13.40	13.50	13.60	13.70	13.80	13.90	13
14	14.00	14.10	14.20	14.30	14.40	14.50	14.60	14.70	14.80	14.90	14
15	15.00	15.10	15.20	15.30	15.40	15.50	15.60	15.70	15.80	15.90	15
16	16.00	16.10	16.20	16.30	16.40	16.50	16.60	16.70	16.80	16.90	16
17	17.00	17.10	17.20	17.30	17.40	17.50	17.60	17.70	17.80	17.90	17
18	18.00	18.10	18.20	18.30	18.40	18.50	18.60	18.70	18.80	18.90	18
19	19.00	19.10	19.20	19.30	19.40	19.50	19.60	19.70	19.80	19.90	19
20	20.00	20.10	20.20	20.30	20.40	20.50	20.60	20.70	20.80	20.90	20
21	21.00	21.10	21.20	21.30	21.40	21.50	21.60	21.70	21.80	21.90	21
22	22.00	22.10	22.20	22.30	22.40	22.50	22.60	22.70	22.80	22.90	22
23	23.00	23.10	23.20	23.30	23.40	23.50	23.60	23.70	23.80	23.90	23
24	24.00	24.10	24.20	24.30	24.40	24.50	24.60	24.70	24.80	24.90	24
25	25.00	25.10	25.20	25.30	25.40	25.50	25.60	25.70	25.80	25.90	25
26	26.00	26.10	26.20	26.30	26.40	26.50	26.60	26.70	26.80	26.90	26
27	27.00	27.10	27.20	27.30	27.40	27.50	27.60	27.70	27.80	27.90	27
28	28.00	28.10	28.20	28.30	28.40	28.50	28.60	28.70	28.80	28.90	28
29	29.00	29.10	29.20	29.30	29.40	29.50	29.60	29.70	29.80	29.90	29
30	30.00	30.10	30.20	30.30	30.40	30.50	30.60	30.70	30.80	30.90	30
31	31.00	31.10	31.20	31.30	31.40	31.50	31.60	31.70	31.80	31.90	31
32	32.00	32.10	32.20	32.30	32.40	32.50	32.60	32.70	32.80	32.90	32
33	33.00	33.10	33.20	33.30	33.40	33.50	33.60	33.70	33.80	33.90	33
34	34.00	34.10	34.20	34.30	34.40	34.50	34.60	34.70	34.80	34.90	34
35	35.00	35.10	35.20	35.30	35.40	35.50	35.60	35.70	35.80	35.90	35
36	36.00	36.10	36.20	36.30	36.40	36.50	36.60	36.70	36.80	36.90	36
37	37.00	37.10	37.20	37.30	37.40	37.50	37.60	37.70	37.80	37.90	37
38	38.00	38.10	38.20	38.30	38.40	38.50	38.60	38.70	38.80	38.90	38
39	39.00	39.10	39.20	39.30	39.40	39.50	39.60	39.70	39.80	39.90	39
40	40.00	40.10	40.20	40.30	40.40	40.50	40.60	40.70	40.80	40.90	40
41	41.00	41.10	41.20	41.30	41.40	41.50	41.60	41.70	41.80	41.90	41
42	42.00	42.10	42.20	42.30	42.40	42.50	42.60	42.70	42.80	42.90	42
43	43.00	43.10	43.20	43.30	43.40	43.50	43.60	43.70	43.80	43.90	43
44	44.00	44.10	44.20	44.30	44.40	44.50	44.60	44.70	44.80	44.90	44
45	45.00	45.10	45.20	45.30	45.40	45.50	45.60	45.70	45.80	45.90	45
46	46.00	46.10	46.20	46.30	46.40	46.50	46.60	46.70	46.80	46.90	46
47	47.00	47.10	47.20	47.30	47.40	47.50	47.60	47.70	47.80	47.90	47
48	48.00	48.10	48.20	48.30	48.40	48.50	48.60	48.70	48.80	48.90	48
49	49.00	49.10	49.20	49.30	49.40	49.50	49.60	49.70	49.80	49.90	49
50	50.00	50.10	50.20	50.30	50.40	50.50	50.60	50.70	50.80	50.90	50

Distance of slope stake from side or shoulder stake for any width roadway, slope 1 to 1. If ground is nearly level, the cut or fill at side stake is located by the double entry method in left column and top row. The number in body of table in same row and column gives distance from side stake to slope stake. If ground is not level estimate the difference in elevation between the side stake and slope stake, lower target by this amount if cut, elevate if fill. Add this amount to cut or fill and find distance in table. Set up rod at this point, and line of sight should cut target. If it does not make the slight adjustment necessary.

FB - 2001

city Eng.

San Diego

INDEXED

completely

except pages 1, 2 to 14

2 \$ 79

DIRECTIONS FOR USE OF TABLES

TABLE No. XIV

Distance of slope stake from side or shoulder  
stake for any width roadway slope 1X to 1  
If ground is nearly level, the cut or fill stake

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IMPROVED TABLES  
AND  
INFORMATION

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TABLE No. XIII

To find Tangent and External for curve of  
any other degree, divide by degree of curve and  
add tangents found in column of corrections.  
Degree of curve with a given  $L$  may be found  
by dividing tangent (or external) opposite  $L$  by  
given tangent (or external).  
The distance from a point on the tangent to  
the curve is very nearly the square of the tangent  
length divided by twice the radius.



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TABLE XIII—CORRECTIONS FOR TANGENTS AND EXTERNALS

These corrections are to be added to the approximate values, found by dividing the tangent, or external, for a 1° curve (Table VIII) by the degree of curve, in order to obtain the true tangents, or externals. Intermediate values may be obtained by interpolation.

FOR TANGENTS ADD

Central Angle	DEGREE OF CURVE													
	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°	55°	60°	65°	70°
10°	.03	.06	.09	.13	.16	.19	.22	.25	.28	.31	.34	.38	.42	.46
15°	.04	.10	.14	.19	.24	.29	.34	.39	.45	.51	.53	.58	.63	.68
20°	.06	.13	.19	.26	.32	.39	.45	.51	.58	.65	.72	.79	.84	.90
25°	.08	.16	.24	.33	.40	.49	.58	.67	.75	.83	.90	.99	1.06	1.14
30°	.10	.19	.29	.39	.49	.59	.69	.79	.89	.99	1.09	1.20	1.29	1.39
35°	.11	.22	.34	.47	.58	.69	.79	.89	.99	1.04	1.29	1.42	1.54	1.66
40°	.13	.26	.40	.53	.67	.80	.93	1.06	1.20	1.34	1.49	1.64	1.79	1.94
45°	.15	.30	.44	.60	.76	.91	1.06	1.21	1.37	1.52	1.70	1.87	2.04	2.21
50°	.17	.34	.51	.68	.85	1.02	1.19	1.36	1.54	1.72	1.91	2.10	2.29	2.48
55°	.19	.38	.57	.76	.95	1.14	1.32	1.52	1.72	1.92	2.14	2.35	2.56	2.77
60°	.21	.42	.63	.84	1.05	1.27	1.49	1.71	1.94	2.17	2.38	2.60	2.83	3.07
65°	.23	.46	.69	.93	1.16	1.40	1.64	1.88	2.13	2.38	2.63	2.88	3.13	3.39
70°	.25	.51	.76	1.02	1.28	1.54	1.80	2.06	2.33	2.60	2.88	3.16	3.44	3.72
75°	.27	.56	.83	1.12	1.40	1.69	1.98	2.27	2.57	2.87	3.16	3.47	3.78	4.09
80°	.30	.61	.91	1.22	1.53	1.84	2.15	2.46	2.78	3.10	3.44	3.78	4.12	4.46
85°	.33	.66	1.00	1.33	1.68	2.02	2.36	2.70	3.05	3.40	3.77	4.14	4.55	4.89
90°	.36	.72	1.09	1.45	1.83	2.20	2.57	2.94	3.32	3.70	4.10	4.50	4.91	5.32
95°	.39	.79	1.19	1.55	2.00	2.40	2.80	3.20	3.61	4.02	4.40	4.98	5.38	5.83
100°	.43	.86	1.30	1.74	2.18	2.62	3.06	3.50	3.95	4.40	4.88	5.37	5.85	6.34
110°	.51	1.03	1.56	2.08	2.61	3.14	3.67	4.21	4.76	5.31	5.86	6.43	7.01	7.60
120°	.62	1.25	1.93	2.52	3.16	3.81	4.45	5.11	5.77	6.44	7.12	7.80	8.50	9.22

FOR EXTERNALS ADD

Central Angle	DEGREE OF CURVE													
	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°	55°	60°	65°	70°
10°	.001	.003	.004	.006	.007	.008	.009	.011	.012	.014	.015	.017	.018	.020
15°	.003	.007	.010	.014	.018	.023	.027	.029	.032	.035	.039	.043	.047	.051
20°	.006	.011	.017	.022	.028	.034	.038	.045	.051	.057	.063	.070	.076	.083
25°	.009	.018	.027	.036	.046	.056	.065	.074	.083	.093	.106	.120	.127	.135
30°	.013	.025	.038	.051	.065	.078	.090	.103	.118	.129	.149	.170	.179	.188
35°	.018	.035	.054	.072	.086	.109	.131	.153	.175	.197	.213	.230	.247	.264
40°	.023	.046	.070	.093	.117	.141	.172	.203	.234	.265	.277	.290	.315	.341
45°	.030	.060	.093	.119	.153	.184	.216	.254	.289	.325	.351	.378	.411	.445
50°	.037	.075	.116	.151	.189	.227	.266	.305	.345	.384	.425	.467	.508	.550
55°	.046	.093	.142	.188	.236	.283	.332	.381	.420	.479	.530	.582	.641	.700
60°	.056	.112	.168	.225	.283	.340	.398	.457	.516	.575	.636	.697	.774	.851
65°	.067	.135	.204	.273	.343	.412	.483	.554	.625	.697	.771	.845	.922	1.01
70°	.080	.159	.240	.321	.403	.485	.568	.652	.735	.819	.906	.994	1.08	1.17
75°	.095	.182	.286	.383	.480	.578	.678	.777	.877	.977	1.07	1.18	1.29	1.39
80°	.110	.220	.332	.445	.558	.671	.787	.903	1.02	1.13	1.25	1.38	1.50	1.62
85°	.128	.259	.391	.524	.657	.790	.926	1.06	1.20	1.34	1.47	1.62	1.76	1.91
90°	.149	.299	.450	.603	.756	.910	1.07	1.22	1.38	1.54	1.70	1.87	2.03	2.20
95°	.174	.350	.522	.706	.885	1.06	1.25	1.43	1.62	1.80	1.99	2.18	2.38	2.58
100°	.200	.401	.604	.809	1.01	1.22	1.43	1.64	1.85	2.06	2.28	2.50	2.73	2.96
110°	.268	.536	.806	1.08	1.35	1.63	1.91	2.20	2.48	2.76	3.05	3.35	3.66	3.96
120°	.360	.721	1.08	1.45	1.82	2.19	2.57	2.95	3.33	3.72	4.11	4.50	4.91	5.32

Gilbs Airport INDEX

1

now Montgomery Field

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TAXIWAY "E"  
 Finish Grades  
 Sketch P-2

BC. on Runways 75' from Runways

1+72.89 = E.C. 50' R Returns

1+30

0+94.41

0+82.75 = Int. Shoublers 75' from Runways

0+00 = E Runways "A" + "B"

4.30

415.56

411.26

Lt	Q	Rt
25'		
F0.22 ✓ 411.53 ✓		F0.26 ✓ 410.54-BC ✓
411.31 ✓		410.28 ✓
4.25		5.28

411.00 ✓  
 411.10 ✓  
 411.20 ✓  
 411.02 ✓  
 410.84 ✓

411.20 ✓  
 411.21 ✓  
 411.22 ✓  
 411.12 ✓  
 411.02 ✓

411.34 ✓  
 411.30 ✓  
 411.27 ✓  
 411.18 ✓  
 411.10 ✓

B.M. #3 - Pipe 25' Rt. 24+ "B" Runway



Taxiway "L" Cont. from p. 3

2+50

2+00

1+72.87 = E.C. see p. 3

95° 50' from B.C.

76° 46' from B.C. on Curve

57° 30' from B.C.

38° 26' from B.C.

19° 10' from B.C.

Lt.

"L" Taxiway

Rt.

4

25'		25'
F0.31		F0.66
410.67	410.89	410.59
410.36	410.74	409.93
5.20		5.63

F0.39		F0.54
410.88	411.09	410.75
410.49	410.92	410.21
5.07		5.35

F0.56		F0.79
411.00	411.20	410.84
410.44	411.10	410.05
5.12		5.51

411.08		410.82
C0.03		F0.85
411.17		410.80
411.20		409.95
4.36		5.61

411.25		410.73
F0.08		F0.20
411.34		410.67
411.26		410.47
4.30		5.09

411.45	415.56	410.60
--------	--------	--------

Taxiway "E" Finish Grades

Lt

±

Rt

5

65° from BC, = E.C. on Taxiway "C"

C 0.19'  
410.36  
410.55  
5.01

C 0.25'  
409.82  
410.07  
5.49

43° 20' from BC, on Curve

3+58.6

F 0.70'  
410.34  
409.64  
5.92

F 0.47'  
409.28  
409.51  
6.05

410.25 410.38 410.50 410.38 410.25

F 0.66'  
410.32  
409.66  
5.90

F 0.68'  
410.14  
409.46  
6.10

21° 40' from BC, on Curve

F 0.77'  
410.30  
409.53  
6.03

F 1.13'  
410.30  
409.17  
6.39

410.45 410.55 410.45 410.30

3+38.40 = R.C. 50' Radius Returns

F 0.40'  
410.51  
410.11  
5.45

F 1.18'  
410.47  
409.39  
6.27

410.63 410.74 410.61 410.47

2+87.50

415.56

Walker  
Johnson  
Pope  
Riley  
11-22-48

Taxiway "E" - Subgrades  
Sketch P-2

Lt.

L

Rt.

6

115 ± 00'

1+72.89 = E.C.

95° 50'

76° 40' from B.C. on Curve

57.30

38.20' from B.C. on Curve 50'R

14° 16'

50' Radius

B.C. on Runways 75' from L

1+30

385 415.11

411.26

= B.M. #3 Iron Pipe 85' Rt. 24" dia "B" Runway

25

25.0

410.67'

410.87'

410.51'

4.44'

4.24'

4.60'

410.84'

410.47

4.27'

4.64'

.012

411.01'

410.34

4.10'

4.77

411.20'

410.21

413.91

4.90

410.87'

411.02

410.69'

4.24'

4.09'

4.42'

.012

Taxiway "E" Subgrades

Lt.

R.

Rt.

7

Cont. P-8

Part 1

409.99'

409.81'

5.12'

5.30'

Both Curves in 3 equal Parts

3+38.40 = BC. 50' Radius on Taxiway "E"

409.97'

410.22'

409.97'

5.14'

4.89'

5.14'

2+87.50

410.18'

410.41

410.14'

4.93'

4.70'  
5.12

4.97'  
5.12

2+50

410.34'

410.86

410.26'

4.77'

4.55'

4.85'

2+100

410.55'

410.76

410.42'

4.56'

4.35'

4.69'

415.11  
3

Toxaway "E" Cont. from P. 7  
~ Subgrades ~

Lt

L

Rt

8

3+5859 - P.I. of Lt line "C" on R. "E"

410.17

4.94'

Part 3 - E.S. on Toxaway "C" - 124+38.2 Sketch P. 2

410.03 ✓

409.49 ✓

5.08'

5.62'

Part 2

415.11  
9

410.01 ✓

409.65 ✓

5.10'

5.46'

Runway "B"  
 TAXIWAY - END Runway "B"  
 Subgrades Page 10

Note: Finish Grades are shown  
 in sketch, 0.33 is to be  
 subtracted for Subgrade Elev.

36+00  
 350  
 36+00

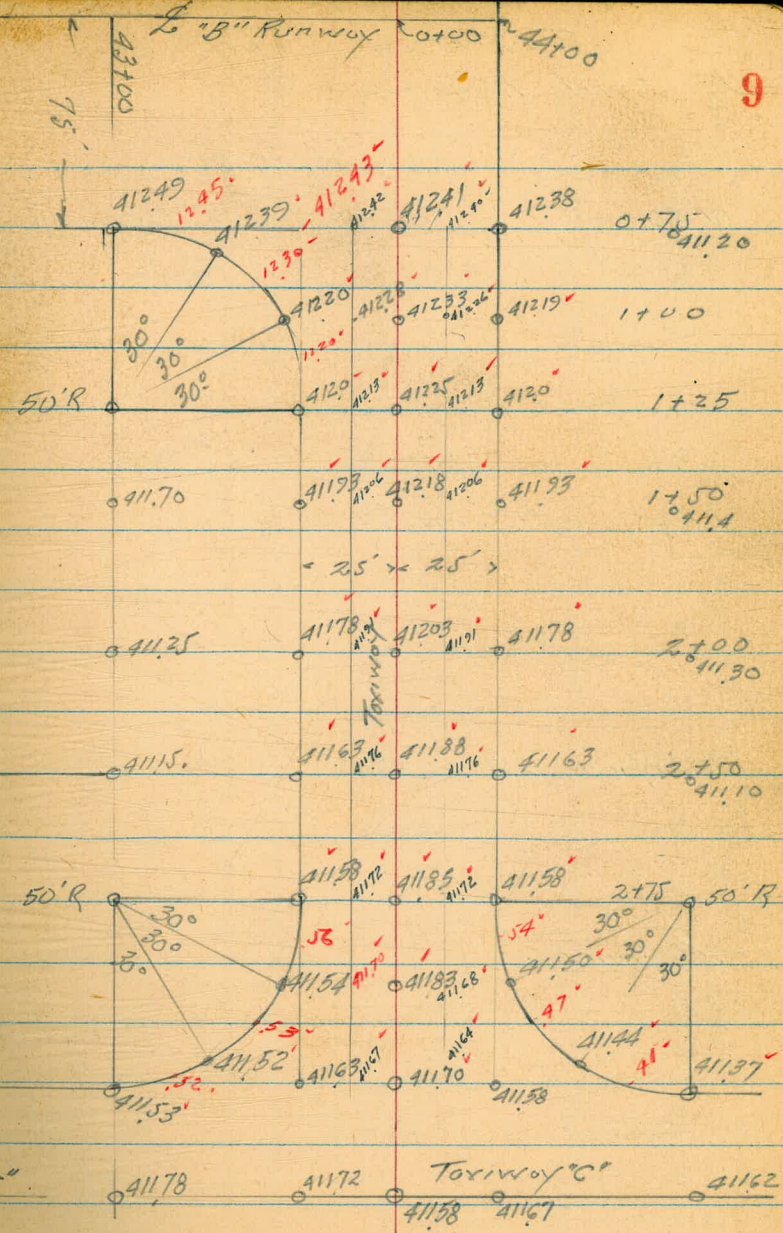
15" Conc. Culvert  
 FB1861-49

Top Grating  
 409.75

Walker  
 Johnson  
 Pope  
 11-25-48

25'  
 25'

"C"



Taxiway Subgrades  
End Runway "B"

1+50

1+25 - E.C. on Rt

60° from B.C. 1+00

30° from B.C.

B.C. = 0+75

499 415.88

410.90

Lt

+

Rt

25'

25' 10

411.60'

411.85'

411.60'

4.28'

4.03'

4.28'

411.67'

411.92'

411.67'

4.21'

3.96'

4.21'

411.86'

412.00'

411.87'

4.02'

3.88'

4.01'

412.06'

412.06'

3.82'

412.05'

412.08'

412.16'

= BM #6 Conc. Mon. of Taxiway "C" 47+09.28

Taxiway Cont. from P10  
Subgrades

Lt      £      Rt.

11

3+25 = F.C.    50' R = NLY line Taxiway E

75' Lt	25' Lt	£	25' Rt	75' Rt
411.04	411.25	411.37	411.30	411.20
4.84	4.63		4.58	4.68
4.83	4.62		4.60	4.66

60° from BC

411.11 ✓		411.19 -
4.77 ✓		4.69 ✓

30° from BC      3+00

411.17 ✓	411.50 ✓	411.21 ✓
4.71 ✓	4.38 ✓	4.67 ✓

2+75 = BC.    50' R. H + Rt

411.25 ✓	411.52 ✓	411.25 ✓
4.63 ✓	4.36 ✓	4.63 ✓

2+50

411.30 -	411.55 -	411.30 -
4.58 ✓	4.33 ✓	4.58 ✓

2+00

411.45 -	411.76 -	411.45 -
4.43 ✓	4.18 ✓	4.43 ✓

415.88



12





Walker  
Johnson  
Pope  
Riley  
11-12-48

Gibbs Airport  
TAXIWAY "C" - Subgrades

Lt.

\$

Rt.

15

25

25

106+00

406.39

406.64

406.39

5.20<sup>v</sup>

4.95<sup>v</sup>

5.20<sup>v</sup>

105+50

406.56

406.81

406.56

5.03<sup>v</sup>

4.78<sup>v</sup>

5.03<sup>v</sup>

105+00

406.74

406.99

406.74

4.85<sup>v</sup>

4.60<sup>v</sup>

4.85<sup>v</sup>

104+50

406.22

407.17

406.92

4.67<sup>v</sup>

4.42<sup>v</sup>

4.67<sup>v</sup>

104+00

406.54<sup>v</sup>

406.79

406.54

5.05<sup>v</sup>

4.80<sup>v</sup>

5.05<sup>v</sup>

103+85 = Beg. Grading

8.25

411.59

403.34

B.M. Conc Men

406.42

5.17<sup>v</sup>

406.67

4.92<sup>v</sup>

406.42

5.17<sup>v</sup>

Runway

"A"

F.B. 1860-2

TAXIWAY "C" - Subgrades

Lt

Rt

Rt

16

25'

25'

T.P. 4.96 410.46 6.09 405.50

108+50

405.50 405.75 405.50

6.09' 5.84' 6.09'

108+00

405.68 405.93 405.68

5.91' 5.66' 5.91'

107+50

405.85 406.10 405.85

5.74' 5.49' 5.74'

107+00

406.03 406.28 406.03

5.56' 5.31' 5.56'

106+50

406.21 406.46 406.21

5.38' 5.13' 5.38'

411.59

TRAILWAY "C" Subgrades

Lt.

±

Rt.

07

25'

25'

111+00 - 50' R on Lt.

405.52

405.77

405.52

4.94

4.69

4.94

405.49

110+75

110+50

405.47

405.72

405.47

4.99

4.74

4.99

405.43

110+25

110+00

405.42

405.67

405.42

5.09

4.79

5.09

109+875

109+50 - 50' R on Lt.

405.37

405.62

405.37

5.09

4.89

5.09

109+00

405.32

405.57

405.32

5.14

4.89

5.14

410.46

TRAILWAY "C" Subgrades

T.P. 5.09 410.86 4.69 405.77

113+50

Lt.	C.	Rt.
25'		25'
405.77	406.02	405.77
4.69'	4.44'	4.69'

113+00

405.72	405.97	405.72
4.74'	4.49'	4.74'

112+50

405.67	405.92	405.67
4.79'	4.54'	4.79'

112+00

405.62	405.87	405.62
4.84'	4.59'	4.84'

111+50

405.57	405.82	405.57
4.89'	4.64'	4.89'
	410.46	

TAXIWAY "C" Subgrades

Lt.                      Rt.  
35'                      35'

116+00

406.02	406.27	406.02
4.84'	4.59'	4.84'

115+50

405.97	406.22	405.97
4.89	4.64	4.89

115+00

405.92	406.17	405.92
4.94'	4.69'	4.94'

114+50

405.87	406.12	405.87
4.99'	4.74'	4.99'

114+00

405.82	406.07	405.82
5.04	4.79'	5.04

41086



TAXIWAY "C" Subgrades

Lt. E Rt. 20

25' 25'

118 +50

406.27	406.52	406.27
5.74	5.49	5.74

118 +00

406.22	406.47	406.22
5.79	5.54	5.79

117 +50

406.17	406.42	406.17
5.84	5.59	5.84

T.P. 5.89 412.01 4.74 406.12

412.01

117 +00

406.12	406.37	406.12
4.74	4.49	4.74

116 +50

406.07	406.32	406.07
4.79	4.54	4.79

TAXIWAY - "C" Subgrade

Lt.

£

Rt.

21

120 + 50

406.77	407.02	406.83
5.24	4.99 <sup>0.71%</sup>	5.18

120 + 5.19 = Beg. Apron on Rt

406.43	406.68	406.50
5.58	5.33 <sup>0.71%</sup>	5.51

120 + 00

406.42	406.67	406.49
5.59	5.34 <sup>0.71%</sup>	5.52

119 + 50

406.37	406.62	406.37
5.64	5.39	5.64

119 + 00

406.32	406.57	406.32
5.69	5.44 <sup>0.71%</sup>	5.69
	412.01	

TAXIWAY "C" Subgrades

Lt.      E.      Rt.  
25'      25'

123+00

408.52    408.77    408.52 ✓  
6.34 ✓    6.09 ✓    6.34

122+50

408.17    408.42    408.17 ✓  
6.69 ✓    6.44<sup>1.7%</sup> ✓    6.69 ✓

T.P.

7.03    414.86    9/18    407.83

414.86

122+00

407.72    408.07<sup>0.942%</sup>    407.83 ✓  
4.29 ✓    3.94 ✓    4.18 ✓

121+50

407.47 ✓    407.72<sup>0.885%</sup>    407.50 ✓  
4.59 ✓    4.29 ✓    4.51 ✓

121+00

407.12 ✓    407.34<sup>0.823%</sup>    407.16 ✓  
4.89 ✓    4.64 ✓    4.85 ✓  
412.01

TAXIWAY "C" - Subgrades

$\frac{0.02}{411.26}$  B17#3

358 411.28

Lt.	L	Rt.
25'		25'

23+63.21 = Ahead }  $\Delta Rt 50^{\circ}00'$   
 124+86.79 =  $\frac{L}{\rightarrow}$  Intersection Taxiway F  
 back

410.08  
 4.78

124+75.14 = at Rt  $\Delta$  to Bisector line 25' Rt of L  
 a point on

409.75  
 5.11

124 + 50

409.57	409.82	409.57
5.29	5.09	5.29

124+38.90 = B.C. 50' Radius on Lt. Page 2  
 sketch

409.49

124 + 00

409.22	409.47	409.22
5.64	5.39	5.64

123 + 50

408.87	409.12	408.87
5.99	5.74	5.99
	419.86	

TAXIWAY - "C" Subgrades

25 Lt

¢

25'  
Rt.

24

25+50

410.67 ✓	410.88 ✓	410.53 ✓
4.44	4.23	4.58

25+00

410.42 ✓	410.67 ✓	410.30 ✓
4.69	4.44	4.81

24+50

410.20	410.45	410.07 ✓
4.91 ✓	4.66 ✓	5.04 ✓

24+11.10 = E.C. 50' Radius on Lt skch P-2

410.03	<del>410.03</del>
--------	-------------------

24+00

415.11' from P-8

409.94 ✓	410.24 <sup>150'.</sup> ✓	409.85 ✓
5.17	4.87	5.26

TAXIWAY - "C" - Subgrades

Lt

R

Rt

25

25

25

28+00

411.70

411.95

411.70

5.11

4.86

5.11

27+50

411.48

411.73

411.48

5.33

5.08

5.33

27+00

411.27

411.52

411.27

5.54

5.29

5.54

26+50

411.05

411.30

411.05

5.76

5.51

5.76

T.P.

5.72

416.81

4.02

411.09

416.81

26+00

410.84

411.09

410.76

4.27

4.02

4.35

415.11

Taxiway - "C" Subgrades

Lt.

£

Rt

26

25

25

30+00

412.06

412.31

412.06

5.19

4.94

5.19

29+50

412.06

412.31

412.06

5.19

4.94

5.19

527

417.25

483

411.98

29+50  
30+25

417.25

29+00

412.00

412.25

412.00

4.81

4.56

4.81

28+50

411.88

412.13

411.88

4.93

4.68

4.93

28+44.51 = End Apron on Rt

416.81

TAXIWAY "C" Subgrades

27

32+50

Lt.	±	Rt.
25'		25'
411.91	412.16	411.91
5.34'	5.09'	5.34'

32+00

411.94	412.19	411.94
5.31'	5.06' 01L	5.31'

31+50

411.97	412.22	411.97
5.28'	5.03'	5.28' 01L

31+00

412.00	412.25	412.00
5.25'	5.00'	5.25'

30+50

417.25

412.03	412.28	412.03
5.22'	4.97'	5.22'



TAXIWAY - "C" - Subgrades

Lt

Rt

Rt

28

25'

25'

TP 488 416.64 5.49 411.76  
35+00

on stub  
25' Lt 35+00

411.80  
411.76 412.01 411.76

5.49' 5.24' 5.49

411.97

34+64.28 = EL Line Top of "F"

34+50

412.04  
411.79 412.04 411.79

5.46' 5.21' 5.46'

34+19.28 = H/L Line Top of "F"

34+00

411.96  
411.93  
411.82 412.07 411.82

5.43' 5.18' 5.43'  
012 012

33+64.28 = BC. 50' Radius on Lt.

33+50

411.85 412.10 411.85

5.40' 5.15' 5.40'

33+00

417.25

411.88 412.13 411.88

5.37' 5.12' 5.37'

Taxiway "C" Subgrades

29

37+50

ft	ft	ft
25		25
411.60	411.85	411.60
5.04 <sup>v</sup>	4.79 <sup>v</sup>	5.04 <sup>v</sup>

37+00

411.63	411.88	411.63
5.01 <sup>v</sup>	4.76 <sup>v</sup>	5.01 <sup>v</sup>

36+50

411.67	411.92	411.67
4.97 <sup>v</sup>	4.72 <sup>v</sup>	4.97 <sup>v</sup> .012

36+00

411.70	411.95	411.70
4.94 <sup>v</sup> .012	4.69 <sup>v</sup>	4.94 <sup>v</sup>

35+50

416.64

411.73	411.98	411.73
4.91 <sup>v</sup>	4.66 <sup>v</sup> .012	4.91 <sup>v</sup>

Taxiway "C" Subgrades

Lt

L

Rt

30

25'

25'

40+00

411.45

411.70

411.45

5.19<sup>v</sup>

4.94<sup>v</sup>

5.19<sup>v</sup>

39+50

411.48

411.73

411.48

5.16<sup>v</sup>

4.91<sup>v</sup>

5.16<sup>v</sup>

39+00

411.51

411.76

411.51

5.13<sup>v</sup>

4.88<sup>v</sup>

5.13<sup>v</sup>

.014

38+50

411.54

411.79

411.54

5.10<sup>v</sup>

4.85<sup>v</sup>

5.10<sup>v</sup>

.014

38+00

411.57

411.82

411.57

5.07<sup>v</sup>

4.82<sup>v</sup>

5.07<sup>v</sup>

416.64

Toxaway "C" - Subgrades

42+50

42+00

41+50

41+00

TR 448

40+50

415.90

416.64

52.2 411.42

Lt.

25'

411.25

4.65'

411.31

4.59'

411.34

4.56'

411.33

4.57'

40+50  
on stub 25' Lt

411.42

52.2'

Rt.

411.50

4.40'

411.56

4.34'

411.59

4.31  
.01 L

411.58

4.32'

415.90

411.67

4.97'

Rt.

21

25'

411.25

4.65'

411.31

4.59'

411.34

4.56'

411.33

4.57'

411.42

52.2'

Toxaway "C" Subgrades

32

45+00

25'

25'

410.98

411.23

410.98

4.22'

4.67'

4.22'

44+50

411.04

411.29

411.04

4.86'

4.61'

4.86'

44+00

411.25

411.34

411.09

4.65'

4.56'

4.81'

.012

43+50

411.27

411.39

411.19

4.63'

4.51'

4.76'

43+00

415.90

411.20

411.45

411.20

4.70'

4.45'

4.70'

Terrace "C" Subgrades

St.

L.

Rt.

33

25

25

		0.00	
CHK B.M. 47+09.28	5.00	410.90-B.M.	P.79
		410.90	181868
			7779

45+09.28

415.90

410.97

411.22

410.97

4.93'

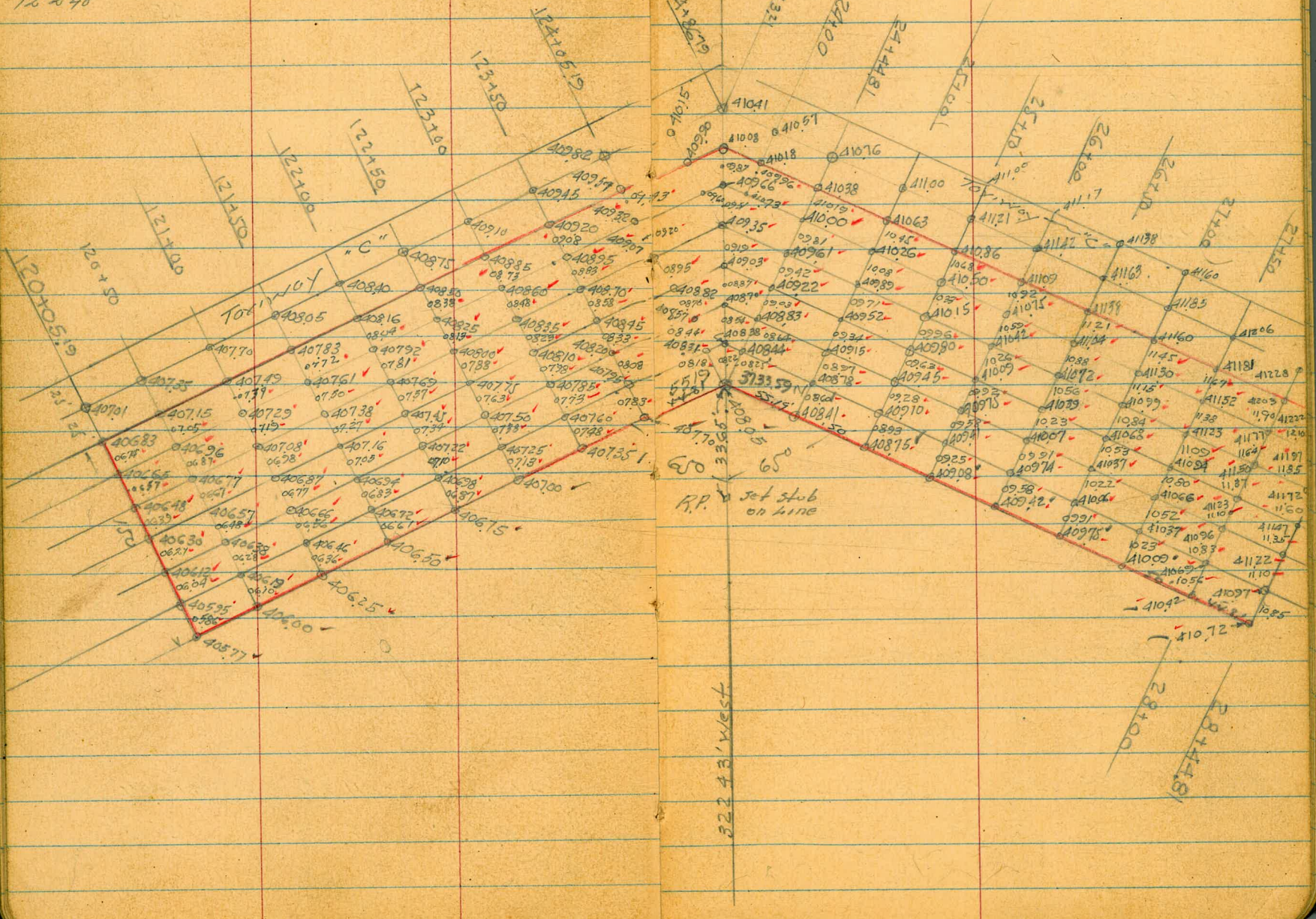
4.68'

4.23'

Walker  
Johnson  
Pope  
Riley  
12-3-48

FINISH GRADES -  
Apron to Rt. of Torway "C"

34



Subgrades ~ Apron  
 adjacent to Trench "C"  
 Sketch P-34

FT.

35

	50	75	100	125	150	175
122+00	40759 3.77	40736 4.00	40712 4.24	40689 4.47	40665 4.71	40642 4.94
121+50	40728 4.08	40705 4.31	40686 4.58	40661 4.81	40639 4.96	40617 5.19
121+00	40696 4.40	40675 4.61	40654 4.82	40633 5.03	40613 5.23	40592 5.44
120+50	40663 4.73	40644 4.92	40624 5.12	40605 5.31	40586 5.50	40567 5.59
120+05.19 = Beg. Apron	40632 5.64	40615 5.21	40597 5.39	40579 5.57	40562 5.74	40544 5.92

T.P. 2.85 41136 6.82 408.51  
 407 41533 41126 BM #3



Apron Subgrades  
Cont. from P. 35

36

124+44.81

50	75	100	125	150	175
40967	40928	40889	40850	40811	40772
4.85'	5.24'	5.63'	6.02'	6.41'	

124+86.79 This Section Set on Bisector Line

50	75	100	125	150	175
40933	40902	40870	40837	40805	40772
5.19'	5.50'	5.82'	6.15'	6.47'	

Same Point.

124+05.19

50	75	100	125	150	175
40899	40874	40849	40824	40798	40772
5.53'	5.78'	6.03'	6.28'	6.54'	6.80'

TP 567.414 52 251 408.85

123+50

50	75	100	125	150	175
40862	40837	40812	40787	40762	40737
2.74'	2.99'	3.24'	3.49'	3.74'	3.99'

123+00

50	75	100	125	150	175
40827	40802	40777	40752	40727	40702
3.09'	3.34'	3.59'	3.84'	4.09'	4.34'

122+50

50	75	100	125	150	175
40792	40767	40742	40717	40692	40667
3.44'	3.69'	3.94'	4.19'	4.44'	4.69'

411.36

Apron - Subgrades  
on Rt. of Taxway "C"

Rt.

37

	50	75	100	125	150	175
27+50	411.19 3.33	410.90 3.62	410.61 3.91	410.33 4.19	410.04 4.48	409.76 4.76
27+00	410.97 3.55	410.66 3.86	410.35 4.17	410.04 4.48	409.73 4.79	409.42 5.10
26+50	410.71 3.81	410.39 4.13	410.08 4.46	409.74 4.78	409.41 5.11	409.09 5.43
26+00	410.42 4.10	410.09 4.43	409.76 4.76	409.42 5.10	409.08 5.44	408.75 5.77
25+50	410.17 4.35	409.82 4.70	409.47 5.05	409.12 5.40	408.77 5.75	408.42 6.10 5.80
25+00	409.93 4.59	409.58 4.96	409.19 5.33	408.82 5.70	408.45 6.07	408.08 6.44

414.52

Subgrades ~ Aprons  
 - on Rk of Taxway "C"

50 75 100 112.5' 125 137.5 150 175

chk BMT#3 414 411.26 ✓  
 T.P. 553 415.40 465 409.87

28+44.81 = End of Apron

411.64 411.39 411.14 410.89 410.64 410.39  
 2.88' 3.13' 3.38' 3.63' 3.88' 4.13'

28+00

411.44 411.17 410.90 410.63 410.36 410.09  
 3.08' 3.35' 3.62' 3.89' 4.16' 4.43'

414.52

Taxiway "C" Finish Grades  
(Final)

Lt.

Rt.

25

12.5

0

12.5

25

106+00

406.72 406.85 406.97 406.85 406.72  
4.91'

105+50

406.89 407.02 407.14 407.02 406.89  
4.74'

105+00

407.07 407.20 407.32 407.20 407.07  
4.56'

104+50

407.25 407.38 407.50 407.38 407.25  
4.38'

104+00

406.87 407.00 407.12 407.00 406.87  
4.76'

103+85 = Beg. Grading  
411.63  
980 411.67

401.83 415  
401.87

original  
This Elev. To Fit Subgrades

406.75 406.88 407.00 406.88 406.75  
4.88'

BM on Hd. Wall  
411.63

Taxway "C" Finish Grades

Lt                      Rt  
 25    12.5    12.5    25

109+00

405.65 405.78 405.90 405.78 405.65  
 183'

410.48  
 7'

TR 166    410.48    521    405.82

108+50

405.83 405.96 406.08 405.96 405.83  
 580'

108+00

406.01 406.14 406.26 406.14 406.01  
 562'

107+50

406.18 406.31 406.43 406.31 406.18  
 545'

107+00

406.36 406.49 406.61 406.49 406.36  
 527'

106+50

406.54 406.67 406.79 406.67 406.54  
 509'

411.63  
 5'

Taxway "C" Finish Grades

TP 5.11 411.11 4.48 406.00

112+50

112+00

111+50

111+00

110+75

110+50

110+25  
~~110+25~~

110+25  
110+125

110+00

109+87.5

109+75

109+50 = B.C. 50' R. on ht

110+8

Lt

Rt.

25 12.5 12.5 25  
406.00 406.13 406.25 406.13 406.00  
4.48

405.95 406.08 406.20 406.08 405.95  
4.53

405.90 406.03 406.15 406.03 405.90  
4.58

405.85 405.98 406.10 405.98 405.85  
4.63  
0.02 low  
46.5  
405.83

405.80 405.93 406.05 405.93 405.80

405.79

405.77  
405.76

405.75 405.88 406.00 405.88 405.75

405.73

405.71

405.70 405.83 405.95 405.83 405.70

4.78

Taxway "C" Finish Grades

Lt.

Rt.

25 12.5 2 12.5 25

116+00

406.35 406.48 406.60 406.48 406.35  
476

115+50

406.30 406.43 406.55 406.43 406.30  
481

115+00

406.25 406.38 406.50 406.38 406.25 T.P.  
486

114+50

406.20 406.33 406.45 406.33 406.20  
491

114+00

406.15 406.28 406.40 406.28 406.15  
496

113+50

406.10 406.23 406.35 406.23 406.10  
501

113+00

406.05 406.18 406.30 406.18 406.05  
506  
411

411

Taxiway "C" Finish Grades

43

25' Lt. 12.5' Lt.  $\frac{1}{2}$  12.5' Rt. 25' Rt.

119+00

406.65 406.78 406.90 406.78 406.65  
5.01

118+50

406.60 406.73 406.85 406.73 406.60  
5.06

118+00

406.55 406.68 406.80 406.68 406.55  
5.11

TP. 516 411.66 461 406.50

411.66  
3

117+50

406.50 406.63 406.75 406.63 406.50  
4.61

117+00

406.45 406.58 406.70 406.58 406.45  
4.66

116+50

406.40 406.53 406.65 406.53 406.40  
4.71

411.11  
3

411.11  
3



Taxiway "C" Finish Grades

	25' Lt.	12.5' Lt.	¢	12.5' Rt.	25' Rt.
121+50	407.80 3.86	407.93	408.05	407.94	407.83
121+00	407.45 4.21	407.58	407.70	407.60 0.828%	407.49
120+50	407.10 4.56	407.23	407.35	407.26 0.971%	407.16
120+05.19 = Begin. Apron on Rt.	406.76 4.70	406.89	407.01	406.92 0.71%	406.83
120+00	406.75 4.91	406.88	407.00	406.91 0.71%	406.82
119+50	406.70 4.96 41.66 M	406.83	406.95	406.83	406.70

# Taxiway "C" Finish Grades

124+38.90 = BC. 50' Radius on Lt. sketch Page 2

25' Lt.      12.5' Lt.      ♀      12.5' Rt.      25' Rt.

409.82  
4.75

124+60

409.55      409.68      409.80      409.68      409.55  
5.02

123+50

409.20      409.33      409.45      409.33      409.20  
5.37

TR 5.72 414.57 281 408.85

414.57  
5

123+00

408.85      408.98      409.10      408.98      408.85  
2.81  
408.85      408.98      409.10      408.98      408.85

122+50

408.51      408.64      408.76      408.64      408.51  
3.15      1.0%

122+00

408.15  
408.05      408.28      408.40      408.28      408.16  
3.67  
411.66      0.942%

411.66

Taxiway "C" Finish Grades

25' Lt. 125' Lt. ♀ 12.5 Rt. 25' Rt.

24+50

6.81 415.31

408.50

410.53

4.78

BM on Pine stake South of Apron on Bisector

410.66

410.78

410.59

410.40

415.31

4.91

24+11.10 = EC 50' Radius on Lt. sketch P-2

410.36

24+00

410.40

410.49

410.57

410.38

410.18

23+63.21 Ahead } Δ Rt. 50°  
124+86.79 Back } = ♀ Intersection Taxiway "E"

410.41

Same Point

124+75.14 = At Rt. Δ to a point on Bisector line 25' Rt & Taxi

410.23

410.28

410.32

410.33

410.41

410.24

410.25

410.08

124+50

409.90

410.03

410.15

410.03

409.90

Taxiway "C" Finish Grades

Walker  
Johnson  
Pope  
Crawford  
1-12-49

47

	25' Lt.	12.5' Lt.	¢	12.5' Rt.	25' Rt.
27+50	411.81 3.50 <sup>v</sup>	411.94 <sup>v</sup>	412.06 <sup>v</sup>	411.94 <sup>v</sup>	411.81 3.50 <sup>v</sup>
27+00	411.60 3.71 <sup>v</sup>	411.73 <sup>v</sup>	411.85 <sup>v</sup>	411.73 <sup>v</sup>	411.60 3.71 <sup>v</sup>
26+50	411.38 3.93 <sup>v</sup>	411.51 <sup>v</sup>	411.63 <sup>v</sup>	411.51 <sup>v</sup>	411.38 3.93 <sup>v</sup>
26+00	411.17 4.14 <sup>v</sup>	411.30 <sup>v</sup>	411.42 <sup>v</sup>	411.26 <sup>v</sup>	411.09 4.22 <sup>v</sup>
25+50	411.00 4.31 <sup>v</sup>	411.11 <sup>v</sup>	411.21 <sup>v</sup>	411.04 <sup>v</sup>	410.86 4.45 <sup>v</sup>
25+00	410.75 4.56 <sup>v</sup>	410.88 <sup>v</sup>	411.00 <sup>v</sup>	410.82 <sup>v</sup>	410.63 4.68 <sup>v</sup>

415.31

415.31

# Taxiway "C" Finish Grades

31+00

25' Rt.	12.5' Rt.	¢	12.5' Rt.	25' Rt.
412.33 4.83✓	412.46	412.58	412.46	412.33 4.83✓

30+50

412.36 4.80✓	412.49	412.61	412.49	412.36 4.80✓
-----------------	--------	--------	--------	-----------------

30+00

412.39 4.77✓	412.52	412.64	412.52	412.39 4.77✓
-----------------	--------	--------	--------	-----------------

29+50

412.39 4.77✓	412.52	412.64	412.52	412.39 4.77✓
-----------------	--------	--------	--------	-----------------

29+00

412.33 4.83✓	412.46	412.58	412.46	412.33 4.83✓
-----------------	--------	--------	--------	-----------------

28+50

412.21 4.95✓	412.34	412.46	412.34	412.21 4.95✓
-----------------	--------	--------	--------	-----------------

28+44.51 - End Apron on Rt.

255' Rt 28+00

TR 513 417.16 328

412.03

28+00

415.31

412.03 3.28✓	412.16	412.28	412.16	412.03 3.28
		417.16		
		415.31		

Taxiway "C" Finish Grades

34+50

34+14.28 = WLY Lane Taxiway "F"

34+00

TR 450 416.68 498 412.18 <sup>255' x 33+50</sup>

33+50

33+00

32+50

32+00

31+50

417.16  
2

25' Lt.	125' Lt.	¢	125' Rt.	25' Rt.
412.37	412.37	412.37	412.25	412.12
				4.56
412.29				
4.39				
412.26	412.33	412.40	412.28	412.15
4.42				4.53
		416.68		
412.18	412.31	412.43	412.31	412.18
4.98				4.98
412.21	412.34	412.46	412.34	412.21
4.95				4.95
412.24	412.37	412.49	412.37	412.24
4.92				4.92
412.27	412.40	412.52	412.40	412.27
4.99				4.89
412.30	412.43	412.55	412.43	412.30
4.86				4.86
		417.16		

# Taxiway "C" Finish Grades

50

38+00

25' Lt.	125' Lt.	¢	125' Rt.	25' Rt.
411.90	412.03	412.15	412.03	411.90
4.78 <sup>v</sup>				4.78 <sup>v</sup>

37+50

411.93	412.06	412.18	412.06	411.93
4.75 <sup>v</sup>				4.75 <sup>v</sup>

37+00

411.96	412.09	412.21	412.09	411.96
4.72 <sup>v</sup>				4.72 <sup>v</sup>

36+50

412.00	412.13	412.25	412.13	412.00
4.68 <sup>v</sup>				4.68 <sup>v</sup>

36+00

412.03	412.16	412.28	412.16	412.03
4.65 <sup>v</sup>				4.65 <sup>v</sup>

35+50

412.06	412.19	412.31	412.19	412.06
4.62 <sup>v</sup>				4.62 <sup>v</sup>

35+00

412.13	412.24	412.34	412.22	412.09
412.30 <sup>v</sup>		416.68		4.59 <sup>v</sup>
4.38 <sup>v</sup>				

34+64.28

Taxiway "C" Finish Grades

25' Lt. 12.5' Lt.  $\Phi$  12.5' Rt. 25' Rt.

41+00

411.66 411.78 411.91 411.78 411.66  
4.93 ✓ ✓ ✓ ✓ ✓

40+50

411.75 411.88 412.00 411.88 411.75  
4.84 ✓ ✓ ✓ ✓ ✓

40+00

411.78 411.91 412.03 411.91 411.78  
4.81 ✓ ✓ ✓ ✓ ✓

39+50

411.81 411.94 412.06 411.94 411.81  
4.78 ✓ ✓ ✓ ✓ ✓

39+00

411.84 411.97 412.09 411.97 411.84  
4.75 ✓ ✓ ✓ ✓ ✓

416.59

T.P. 473 416.59 482 411.86

38+50

411.87 412.00 412.12 412.00 411.87  
4.81 ✓ ✓ ✓ ✓ ✓

416.68

416.68



Taxiway "C" Finish Grades

25' Lt. 12.5' Lt. E 12.5' Rt. 25' Rt.

44+00

411.58 411.63 411.67 411.55 411.42  
 4.51 4.73

43+50

411.60 411.66 411.72 411.60 411.47  
 4.55 4.49 4.68

T.P. 4.62 416.15 506 411.53 255' R 43100

43+00

411.53 411.66 411.78 411.66 411.53  
 5.06 5.06

42+50

411.58 411.71 411.83 411.71 411.58  
 5.01 5.01

42+00

411.64 411.77 411.89 411.77 411.64  
 4.95 4.95

41+50

411.67 411.80 411.92 411.80 411.67  
 4.92 4.92

416.59

416.59

Taxiway "C" Finish Grades

25' Lt. 12.5' Lt.  $\Phi$  12.5' Rt. 25' Rt.

45+09.28

411.30 488	411.43	411.55	411.43	411.30 485
---------------	--------	--------	--------	---------------

45+00

411.31 489	411.44	411.56	411.44	411.31 484'
---------------	--------	--------	--------	----------------

44+50

411.37	411.50	411.62	411.50	411.37 478'
--------	--------	--------	--------	----------------

416.15

# Taxiway "D" Finish Grades

Lt.

Rt.

25'

125'

±

12.5'

25'

1+25 Brk. = E.C. on Lt.

403.93 404.06 404.18 404.06 403.93

1+00 = P.V.C.

404.40 404.40 404.40 404.31 404.22

60° from B.C. on curve

404.35

~~Void~~

~~Void~~

see page 69 Book #1993

30° from B.C. on curve

404.82

B.C. 50' Radius = 75' Rt. ± Runway "B"

0+75 = South Edge Runway "B"

0+00 = ± Runway "B"

Taxiway "D" Finish Grades

Lt.		±	Rt.		55
25'	12.5'		12.5'	25'	

Void

Void  
see page 69 Book 7993

Cross Sect on 57<sup>th</sup> St  
 O'Hillie Place to Polk Ave.

Jan. 18. 50

A. Sisson

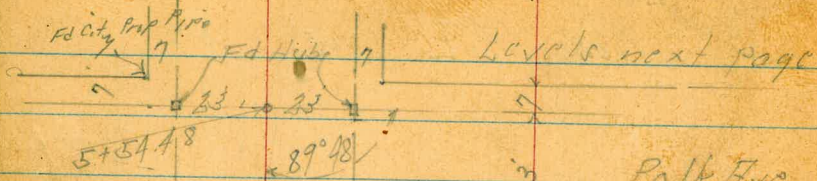
D. Smith

R. R. C.

Chavez

No. 25020

56

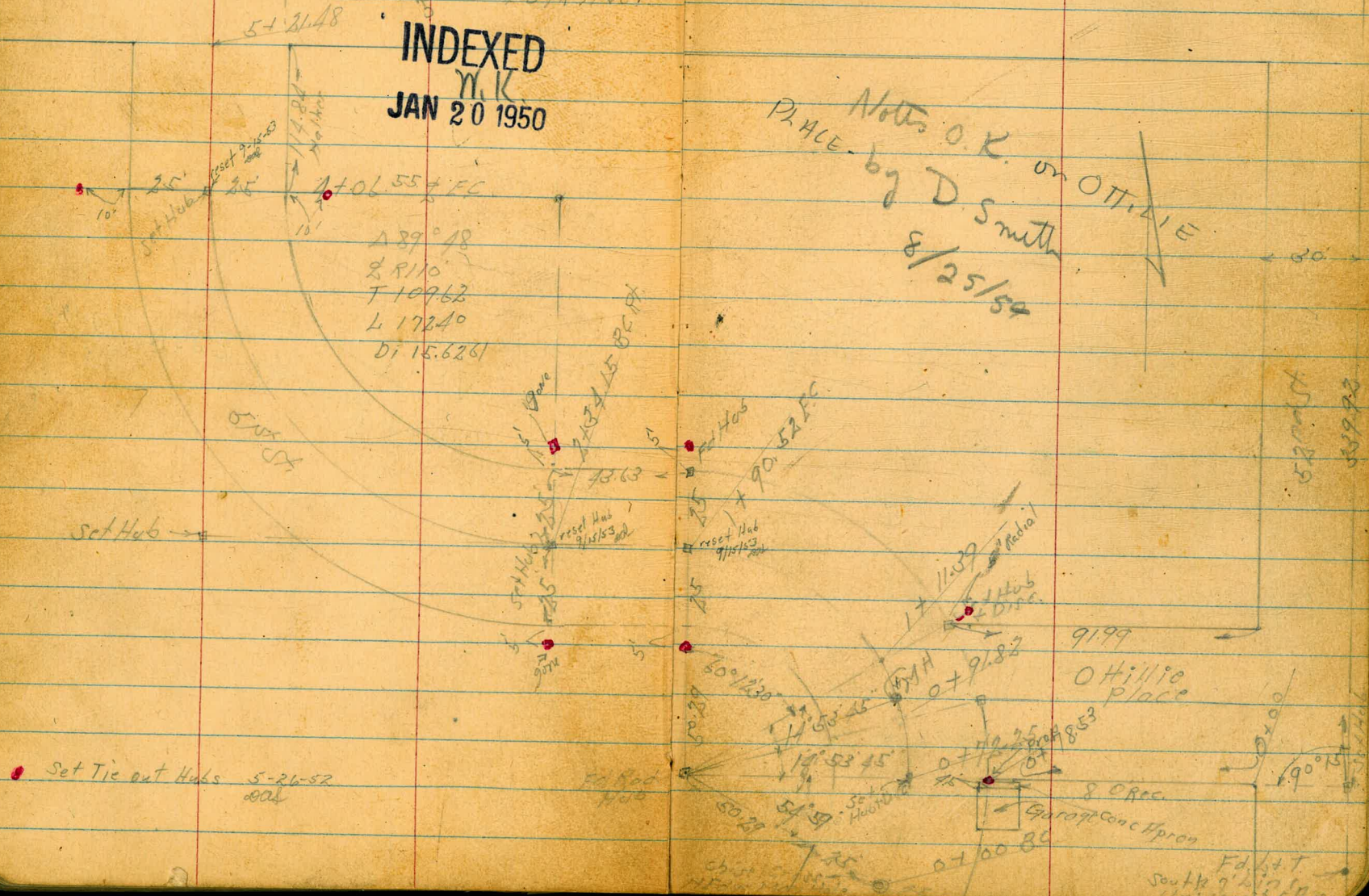


INDEXED

N.Y.K.

JAN 20 1950

Notes O.K. on OTTIZIE  
 PLACE by D. Smith  
 8/25/54



52000  
 53990

Fid. Hub  
 South of 57th St

Cross Section to 51<sup>st</sup> St.  
 Otillie Place to Polk Ave  
 Sketch page 56

+91.82  $\Delta 69^{\circ} 52' 15''$

$\Delta 54^{\circ} 59'$   
 +72.25 = South Line Otillie on Rt.

+36.12  $\Delta 27^{\circ} 29' 30''$

+22 21' Pt. of  $\frac{1}{2}$  - Ely Porc. Calc. # 4045

0.40 = B.C.L.

TP 922 314.64 11.33 305.42

BM 847 308.28

BM 118 316.75

H.M. BP  
 University  
 + 52

Lt. - West

2

Rt. - East

57

303 1	303 2	304 1	304 2	305 1	305 2	306 1
10.8	10.9	9.8	8.5	6.9	6.5	6.1
45	35	35	15		15	25

304 2	304 2	304 2	305 4	306 2 1	306 2	307 2
12.6	11.6	10.4	9.2	8.1	7.8	7.4
40	35	25	15	5. Hub	15	25

301 2	304 2	301 2	302 2	302 2	303 2	304 2	304 9	304 2	304 2	304 2
11.7	11.4	12.8	11.7	11.9	11.6	10.4	9.7	9.1	9.1	9.1
45	35	35	30	15		15	15	35	35	35

302 2	300 2	299 2	301 2	301 2 5	302 2	303 2	304 2
12.6	14.4	15.7	13.4	12.79	12.10	10.8	9.8
35	35	18	16		15	25	35

314.64

51.5 St.

+55.70

5° 36.71

2+34.15 BC Pt

TP

12.01 326.33 0.32 314.32

+90.52 FC A 144° 59'

+84.15 L 121° 51' 50"

+37.77 L 104° 50' 40"

1+11.39 = North Line OH

314.64

Lt.

S

Pt

58

$\frac{67}{25} \begin{matrix} 321.2 \\ 321.2 \end{matrix}$	$\frac{67}{25} \begin{matrix} 320.2 \\ 320.2 \end{matrix}$	$\frac{67}{15} \begin{matrix} 320.7 \\ 320.7 \end{matrix}$	$\frac{67}{15} \begin{matrix} 319.5 \\ 319.5 \end{matrix}$	$\frac{84}{15} \begin{matrix} 317.9 \\ 317.9 \end{matrix}$	$\frac{10.2}{25} \begin{matrix} 316.1 \\ 316.1 \end{matrix}$	$\frac{10.2}{25} \begin{matrix} 315.5 \\ 315.5 \end{matrix}$
--	--	--	--	--	--	--

$\frac{11}{25} \begin{matrix} 315.2 \\ 315.2 \end{matrix}$	$\frac{11}{25} \begin{matrix} 314.2 \\ 314.2 \end{matrix}$	$\frac{11}{15} \begin{matrix} 315.2 \\ 315.2 \end{matrix}$	$\frac{11.15}{25} \begin{matrix} 315.2 \\ 315.2 \end{matrix}$	$\frac{11.4}{15} \begin{matrix} 314.9 \\ 314.9 \end{matrix}$	$\frac{12.0}{25} \begin{matrix} 314.2 \\ 314.2 \end{matrix}$	$\frac{12.0}{25} \begin{matrix} 314.0 \\ 314.0 \end{matrix}$
--	--	--	---	--	--	--

326.33

$\frac{67}{25} \begin{matrix} 304.2 \\ 304.2 \end{matrix}$	$\frac{67}{25} \begin{matrix} 307.2 \\ 307.2 \end{matrix}$	$\frac{67}{15} \begin{matrix} 308.5 \\ 308.5 \end{matrix}$	$\frac{48.8}{15} \begin{matrix} 310.3 \\ 310.3 \end{matrix}$	$\frac{6.8}{15} \begin{matrix} 310.3 \\ 310.3 \end{matrix}$	$\frac{4.6}{25} \begin{matrix} 310.0 \\ 310.0 \end{matrix}$	$\frac{4.6}{25} \begin{matrix} 310.5 \\ 310.5 \end{matrix}$
--	--	--	--	---	---	---

$\frac{8.29}{75.29} \begin{matrix} 306.3 \\ 306.3 \end{matrix}$	$\frac{8.4}{34} \begin{matrix} 306.2 \\ 306.2 \end{matrix}$	$\frac{8}{35} \begin{matrix} 306.5 \\ 306.5 \end{matrix}$	$\frac{7.28}{15} \begin{matrix} 306.2 \\ 306.2 \end{matrix}$	$\frac{6.4}{15} \begin{matrix} 308.2 \\ 308.2 \end{matrix}$	$\frac{4.7}{15} \begin{matrix} 309.2 \\ 309.2 \end{matrix}$	$\frac{4.6}{25} \begin{matrix} 310.1 \\ 310.1 \end{matrix}$	$\frac{6.5}{15} \begin{matrix} 310.2 \\ 310.2 \end{matrix}$
---	---	---	--	---	---	---	---

$\frac{9.8}{35} \begin{matrix} 304.2 \\ 304.2 \end{matrix}$	$\frac{9.2}{25} \begin{matrix} 305.3 \\ 305.3 \end{matrix}$	$\frac{8.0}{15} \begin{matrix} 306.5 \\ 306.5 \end{matrix}$	$\frac{6.3}{15} \begin{matrix} 308.2 \\ 308.2 \end{matrix}$	$\frac{4.9}{15} \begin{matrix} 307.2 \\ 307.2 \end{matrix}$	$\frac{4.3}{25} \begin{matrix} 310.1 \\ 310.1 \end{matrix}$	$\frac{6.2}{25} \begin{matrix} 310.2 \\ 310.2 \end{matrix}$
---	---	---	---	---	---	---

$\frac{10.4}{35} \begin{matrix} 304.2 \\ 304.2 \end{matrix}$	$\frac{9.0}{25} \begin{matrix} 305.5 \\ 305.5 \end{matrix}$	$\frac{8.0}{15} \begin{matrix} 306.5 \\ 306.5 \end{matrix}$	$\frac{6.7}{15} \begin{matrix} 307.2 \\ 307.2 \end{matrix}$	$\frac{5.6}{15} \begin{matrix} 307.2 \\ 307.2 \end{matrix}$	$\frac{4.9}{25} \begin{matrix} 309.2 \\ 309.2 \end{matrix}$
--	---	---	---	---	---

314.64

5155 St.

+85.00 39° 17.18

+63.45 33° 40.44

+41.90 28° 03.70

3+20.35 22° 26.96

2+98.80 16° 50.22

TP 794 334.04 0.23 326.10

2+77.25 11° 13.48

326.33

Lt

S

Rt

59

324.5	326.2	329.6	328.4	326.5	328.2	330.1	328.65
95	98	11	56	72	101	102	103
25	25	15	15	15	23	25	42

320.4	320.2	320.3	326.1	327.1	325.9	327.2	327.2
95	97	98	19	6.9	8.1	10.2	10.9
25	25	15	15	15	20	25	42

329.4	328.1	329.8	328.2	328.1	325.9	323.5	323.5
95	98	11	56	6.0	8.1	10.1	10.4
25	25	15	15	7	17	18	25

329.3	324.5	329.0	327.4	325.5	323.3	323.3	323.0
17	15	15	66	85	10.8	10.8	11.0
25	25	15	12	15	25	41	41

327.4	327.2	327.1	325.2	325.1	323.1	323.2	322.2
66	66	69	82	89	10.9	10.8	11.0
25	25	15	15	15	15	15	25

334.04

325.0	324.9	324.1	322.5	322.5	323.5	321.1	318.1	315.2	315.2
95	97	97	98	97	97	95	95	95	95
25	25	15	15	15	20	25	25	25	25

326.33



51 st St.

Lt West

Rt: East 60

BM			8.59	308.29	308.29
TP	6.87	316.86	11.05	309.99	309.99
TP	1.37	321.04	8.08	319.67	319.67

308.29  
50  
316.86  
50  
309.99  
308.29  
11.05  
309.99  
308.29  
8.08  
319.67  
50  
319.67

+41.48 =  $\frac{1}{2}$  Palk Ave

TP	6.03	327.75	11.33	321.72	321.72
----	------	--------	-------	--------	--------

+31.48 = South line Palk Ave

5 + 0

+ 50

4706.55 = EC

AA 54

334.04

321.72  
321.72  
320.8  
320.3  
319.1  
318.2  
6.03  
7.0  
7.5  
8.0  
9.0  
100  
50  
25  
15  
60  
15  
25  
30  
100

327.75

324.4  
323.2  
322.2  
320.2  
320.1  
9.6  
10.0  
11.0  
12.0  
12.7  
25  
25  
25  
25  
25

322.1  
321.5  
320.7  
322.2  
321.2  
320.22  
320.26  
7.0  
8.5  
10.1  
11.2  
12.4  
13.0  
13.28  
25  
25  
25  
25  
25  
25  
25  
25  
25

326.1  
325.0  
326.1  
324.2  
323.5  
321.7  
320.5  
5.3  
6.0  
7.9  
9.0  
10.5  
12.0  
12.4  
25  
25  
25  
25  
25

330.2  
329.5  
328.7  
327.3  
325.5  
323.2  
323.7  
323.5  
323.5  
8.0  
10.2  
10.6  
11.4  
25  
25  
25  
25  
25

334.04

AA 54

Cross Section O'Hillie Place  
52nd St to 51st St.

Sketch page 56.

+78.53 = East Line 51st Street

+70.3 = Fly Conc Apron at H

+50

+25

0+0 = West Line 52nd St

B.M.

8.57

316.85

308.28

at Hub  
52nd St  
O'Hillie  
Page 57

Lt. South

Z

Rt. North 61

INDEXED  
SEP 17 1953

307 25	307 25	307 25	308 0	309 0	309 7	310 5	311 7 6
9.50	9.57	9.6	8.0	7.9	7.3	6.4	5.09
316	256	25	15		13	25	35.5
Fly Conc	Fly Conc	Fly Conc					SH Garage
307 27	307 28	307 28	308 4	309 2	310 2	310 8	311 4
9.48	9.47	9.7	8.5	7.7	6.7	6.1	5.21
316	256	25	15		15	24	24.6
SH Garage	SH Garage	SH Garage					Top Bed
307 2	307 5	307 5	308 5	309 7	310 8	311 3	312 0
9.7	9.4	9.4	8.3	8.1	7.6	6.1	5.6
35	25	23	21	15		15	24
							188
							24.5
							Top Bed
307 7	307 8	308 9	310 0	310 8	312 1	312 5	312 5
9.2	9.1	8.0	6.9	6.0	4.8	4.4	4.1
23	25	24	15		15	24	24.5
SH Garage	SH Garage	SH Garage					Top Bed
308 1	308 2	311 3	311 7	312 2	312 5	312 5	312 5
8.7	8.5	7.5	6.7	5.7	4.7	4.4	4.1
15	15	24	24	24	24	24	24
							SH Garage
							Top Bed

316.85

Roberts  
Garber  
Moore  
Clark  
2-10-50  
W.O.#25020

X-Section Polk Avenue  
(Altadena to 51<sup>st</sup> St.)

same F.P. pg 56

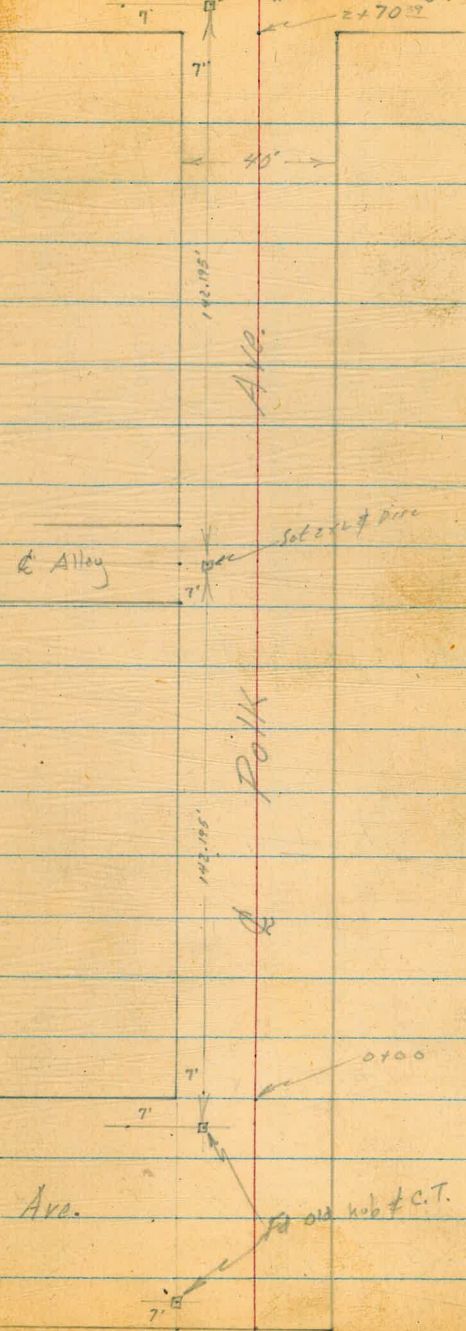
T.P. 3663

INDEXED  
W.K.  
MAR 14 1950

51<sup>st</sup>

Fd old hub  
Reset 200 # Disc St.

62



P.P. 2-14-50

0+50

5.8	6.2	6.5	7.4	7.6	7.7	7.3	7.8	8.3	9.0
35	20	10	8		11	15	20	28	40
322.0	321.6	321.3	320.4	320.3	320.1	320.5	320.0	319.5	318.6

0+25 21' Rt Center P.P. # 5053

7.9	8.7	9.9	9.6	9.2	12.2	12.7	11.8	27.3
35	20	15		8	13	20	27	61
319.9	319.1	317.9	318.2	318.5	317.6	317.1	316.0	300.5

0+08 212' Rt Doodman

11.2	11.2	10.8	10.6	12.0	13.6	13.8	25.7
35	20	5	2		20	23	48
316.6	316.6	317.0	316.2	315.8	314.2	314.0	302.1

0+00 East Line Altadena

0-30 E Altadena

12.6	14.2	14.4	16.5	17.9	22.0	24
40	20		16	20	32	63
315.2	313.6	313.0	311.3	309.9	305.8	293.8

0-60 W. Line Altadena 2' Walk P to House 3' out from House

14.6	16.3	16.3	19.1	22.4	24.7	26.3	29.8	35.0
40	20	12		15	17	20	32	50
313.2	311.5	311.5	308.7	305.4	303.1	301.5	298.0	292.8

0-618 S.E. Cor House 18' X 20'

TBM 1.13 326.70 Nail in P.P. # 5073  
 1/2 way in P.K. between Altadena & 5th  
 J.P. 3.62 327.83 0.55 324.21  
 BM 5.09 324.76 319.67 Mon. N.L. P.K.  
 52nd  
 1/4 Cor.

327.83

Cont'd From Page 63

Lt.

13.5  
952

Rt.

64

→ Cont'd on Page 72 ←

2+07 42' Rt Single Garage

328.9  
2.6  
12  
dirt

2+00

326.0  
5.5  
35  
326.7  
4.8  
20  
327.3  
4.2  
20  
328.4  
3.1  
20  
328.7  
2.8  
35

1+70 18" Lt 4' Conc Walk

326.84  
4.63  
35.5  
327.23  
4.24  
18"  
Walk

1+50

326.9  
4.6  
35  
327.2  
4.3  
20  
327.5  
4.2  
20  
327.8  
3.7  
20  
327.9  
3.6  
35

T.P. 4.24 331.47 0.60 327.23

331.47

1+25 18' Rt Center P.Pole #95075

325.2  
2.6  
35  
325.4  
2.4  
20  
325.6  
2.2  
13  
324.9  
2.9  
8  
324.9  
2.9  
20  
324.6  
3.2  
20  
324.1  
3.7  
35

1+00

327.83

327.83

Walker Grades And Slope Stokes  
Johnson For Ditch E/W end  
Rope  
Kiley Runway "B"  
1-13-49 TB 1997

Location P-68

Center P-66  
2+0742 = BS Lt.

Pills' Airport  
Indexed  
7-28-52

1+80

408 89

1+21-A Lt 1026

409 06

1+00

409 10

0+50

409 20

0+00

409 30

5+15.63 = 80. R4

5 ft.  
of Top of slope

Ditch

5.06	8.86	108.27
<u>5.06</u>	<u>5.06</u>	
0.00	C 3.80	8.86
	<u>19.2</u>	

5+00'

5.03	8.83	108.30
<u>5.03</u>	<u>5.03</u>	
0.00	C 3.80	8.83
	<u>19.0</u>	

4+50

5.23	8.73	108.40
<u>5.23</u>	<u>5.23</u>	
0.00	C 3.50	8.73
	<u>17.5</u>	

4+00

5.41	8.63	108.50
<u>5.41</u>	<u>5.41</u>	
0.01	C 3.22	8.63
	<u>16.1</u>	

3+50

6.23 417.13

41090

5.03	8.53	108.60
<u>5.03</u>	<u>5.03</u>	
0.00	C 3.50	8.53
	<u>17.5</u>	

3+08.65 = 150

108.69

3+50

108.80

7+2178

	<u>LT</u>		<u>RT</u>	
	308	9.28	407.85	9.28
	<u>288</u>	<u>3.08</u>		<u>4.28</u>
	C0.20	C6.20	9.28	C5.00
		<u>310</u>		<u>250</u>
				<u>7008</u>

6+2233

	232	9.22	407.91	9.22
	<u>219</u>	<u>2.32</u>		<u>4.02</u>
	C0.12	C6.90	9.22	C5.20
		<u>345</u>		<u>260</u>
				<u>7011</u>

6+6288

	214	9.16	407.97	9.16
	<u>203</u>	<u>2.14</u>		<u>4.06</u>
	C0.12	C7.00	9.16	C5.10
		<u>350</u>		<u>255</u>
				<u>7007</u>

6+3343

	220	9.10	408.03	9.10
	<u>202</u>	<u>2.20</u>		<u>4.00</u>
	C0.18	C6.90	9.10	C5.10
		<u>345</u>		<u>255</u>
				<u>7000</u>

6+0398

	344	9.04	408.09	9.04
	<u>331</u>	<u>3.44</u>		<u>4.54</u>
	C0.13	C5.90	9.04	C4.50
		<u>280</u>		<u>225</u>
				<u>7006</u>

5+7453

	388	8.98	408.15	
	<u>388</u>	<u>3.88</u>		
	0.00	C5.10	8.98	
		<u>255</u>		

5+4508

	412	8.92	408.21	
	<u>412</u>	<u>4.12</u>		
	0.00	C4.80	8.92	
		<u>240</u>		
				<u>417.13</u>



10+00

T.P. 413 417.19 407 413.06

9+50

9+00

8+50

8+10/6=EC

7+80.68

7+51.23

LtRt

489	9.89	407.30	9.89	489
<u>489</u>	<u>4.89</u>		<u>489</u>	<u>489</u>
000	C5.00	9.89	C5.00	000
15 1/2	<u>7.50</u>		<u>7.50</u>	
9+50				

403	9.73	407.40	9.73	453
<u>403</u>	<u>4.03</u>		<u>453</u>	<u>4.77</u>
000	C5.70	9.73	C5.70	F0.24
	<u>285</u>		<u>260</u>	

453	9.63	407.50	9.63	393
<u>423</u>	<u>4.53</u>		<u>393</u>	<u>353</u>
C0.30	C5.10	9.63	C5.70	C0.40
	<u>255</u>		<u>285</u>	

483	9.53	407.60	9.53	453
<u>483</u>	<u>4.83</u>		<u>453</u>	<u>4.90</u>
000	C4.70	9.53	C5.00	F0.37
	<u>230</u>		<u>250</u>	

4.75	9.45	407.68	9.45	4.75
<u>4.25</u>	<u>4.25</u>		<u>4.75</u>	<u>4.82</u>
000	C5.20	9.45	C4.70	F0.07
	<u>260</u>		<u>235</u>	

3.89	9.39	407.71	9.39	4.69
<u>3.76</u>	<u>3.89</u>		<u>4.69</u>	<u>4.69</u>
C0.13	C5.50	9.39	C4.70	C0.00
	<u>275</u>		<u>235</u>	

3.34	9.34	407.79	9.34	4.04
<u>3.25</u>	<u>3.34</u>		<u>4.04</u>	<u>4.11</u>
C0.09	C6.00	9.34	C5.30	F0.07
	<u>300</u>	417.13	<u>265</u>	

13+50

Lt			Rt		
7.79	10.59	40660	10.59	7.79	
<u>7.84</u>	<u>7.79</u>		<u>7.79</u>	<u>7.79</u>	
FO.05	C2.80	10.59	C2.80	0.00	
	140		140		

13+00 = Δ Rt 120

7.19	10.49	40670	10.49	6.99	
<u>7.19</u>	<u>7.19</u>		<u>6.99</u>	<u>6.99</u>	
0.00	C3.30	10.49	C3.50	C0.36	
	165		175		

12+50

6.99	10.39	40680	10.39		
<u>6.99</u>	<u>6.99</u>				
0.00	C3.40	10.39			
	170				

12+00

6.09	10.29	40690	10.29	6.39	
<u>6.09</u>	<u>6.09</u>		<u>6.39</u>	<u>6.39</u>	
0.00	C4.20	10.29	C3.90	FO.12	
	210		19.5		

11+50

6.09	10.19	40700	10.19	6.19	
<u>6.09</u>	<u>6.09</u>		<u>6.19</u>	<u>6.19</u>	
0.00	C4.10	10.19	C4.00	0.00	
	205		200		

11+00

6.09	10.09	40710	10.09	6.29	
<u>6.09</u>	<u>6.09</u>		<u>6.29</u>	<u>6.10</u>	
0.00	C4.00	10.09	C3.80	C0.19	
	200		190		

10+50

5.49	9.99	40720	9.99	5.49	
<u>5.49</u>	<u>5.49</u>		<u>5.49</u>	<u>5.49</u>	
0.00	C4.50	9.99	C4.50	0.00	
	225		225		

417.19

16+70

16+50

16+00

15+50

15+00

14+50

14+10

T.P.

483 414.48 7.54 409.65

41090  
3.57 410.91

Lt

Rt.

70

40596

40600

CK on  
BM & Trolley "C"

5.78	8.38	40610	8.38	6.18
5.78	5.78		6.18	6.60
0.00	C 2.60	8.38	C 2.20	F 0.42
	132		112	

5.28	8.28	40620	8.28	5.18
4.89	5.28		5.18	5.28
C 0.39	C 3.00	8.28	C 3.10	F 0.10
	150		155	

4.98	8.18	40630	8.18	5.38
5.18	4.98		5.38	5.43
F 0.20	C 3.20	8.18	C 2.80	F 0.05
	160		190	

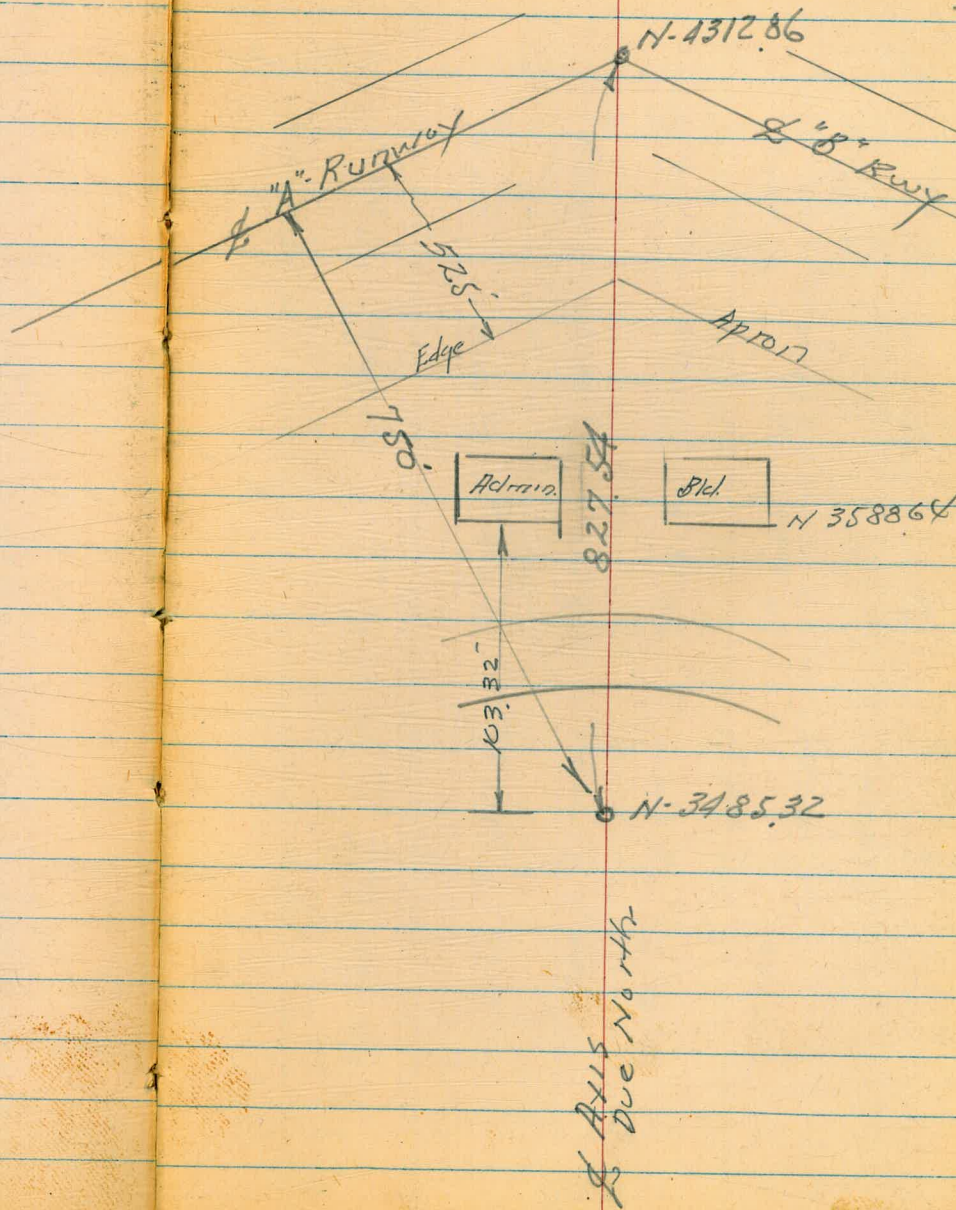
4.78	8.08	40640	8.08	
4.88	4.78			
F 0.10	C 3.30	8.08		
	165			

5.80	8.00	40648	8.00	
5.20	5.20			
1450	0.00	C 2.80	8.00	
		140		

Gibbs Airport.  
Location Junior Beacon

Montgomery Field

71



→ Cont'd From Page 64 ←

Lt

ℳ

Rt

72

Check

5.10

319.67 = 319.67

Starting BM

T.P.

5.72

329.77

12.42

319.05

3+30<sup>39</sup>

East Line 51<sup>st</sup>

320.2

113  
50

319.7

118  
20

319.4

121  
14

319.9

116

319.7

118  
10

320.1

114  
12

320.2

113  
20

320.8

117  
50

3+00<sup>39</sup>

ℳ 51<sup>st</sup>

320.9  
10.6  
50

321.3

10.2  
20

321.73

9.4  
20

322.3

9.2  
20

323.2

8.3  
50

2+85

321.1  
10.4  
50

322.0

9.5  
20

322.7

8.8  
20

323.4

8.1  
20

324.4

7.1  
50

2+74

12' Rt. Center P.P. 5097

322.5

9.0  
50

323.3

8.2  
20

323.7

7.8  
20

324.0

7.5  
8

324.6

6.9  
10

325.0

6.5  
20

326.1

5.4  
22

326.4

5.1  
50

2+30

325.9

5.6  
35

326.0

5.5  
20

326.4

5.1  
50

327.7

3.8  
20

328.0

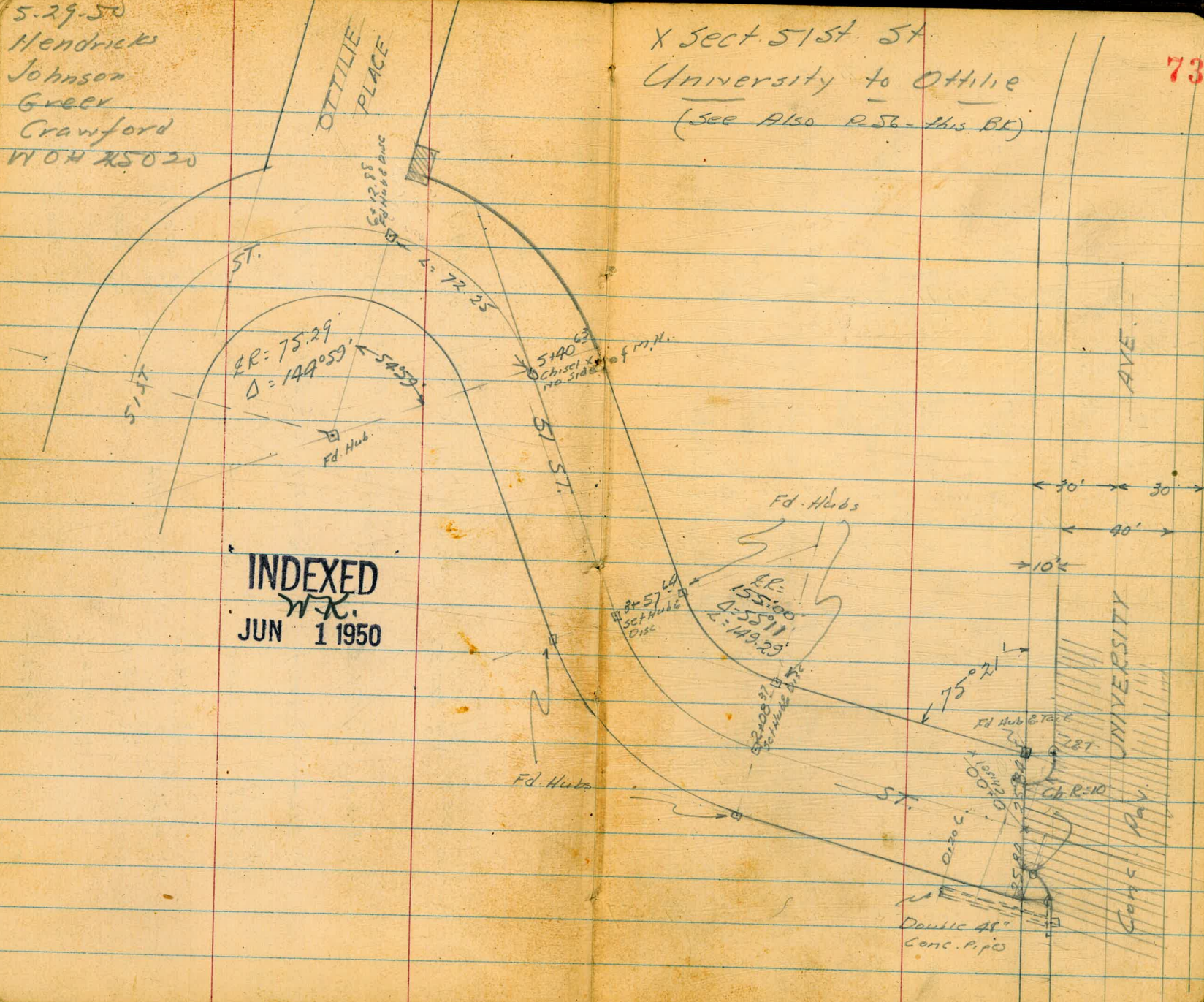
3.5  
35

331.47

331.47

5.29.50  
 Hendricks  
 Johnson  
 Greer  
 Crawford  
 W O H 25020

X Sect. 51st St.  
 University to Ottilie  
 (See Also P. 56 - This BK)



Levels 51st St  
Univ. to Ottilie

0+20.6 End Double 48" Conc Pipes on Lt

279.01  
14.10 14.40  
32.5 27.5  
17 17

T.P. 0.84 293.11 12.85 292.27

283.2 283.5 295.3 293.11 296.9 297.3 297.5 297.9  
21.9 21.5 9.8 9.2 8.3 7.8 7.5 7.3  
40 25 10 15 25 34 40

0+15

Reduced  
6-1-50  
gms

(Section Parallel to Univ.)  
0+00 No Line University  
Edge Conc. Paving & End Cbs Rt. & Lt.

296.2 296.4 296.8 295.64 295.31 295.78 296.28 297.04 297.2 297.3 298.3  
8.5 8.2 8.3 9.4 9.8 9.4 8.5 8.0 7.8 7.5 6.2  
50 25 15 15 15 158 158 158 25 50  
Ground Cb Ground

section Parallel to Univ.  
0-10.34 No Cb Line University

296.22 295.92 296.19 296.49 297.28 296.54 295.59 295.79 296.64 297.19 297.64 298.11 300.66 301.24  
8.90 9.40 8.93 8.63 7.92 8.74 9.53 9.33 8.48 7.93 7.28 7.0 4.44 3.55  
38.5 50 50 100 100 21.6 21.6 9.33 8.48 7.93 7.28 7.0 4.44 3.55  
Cb Step 0000 Cb Cb Cb Cb Cb Cb Cb Cb Cb Cb Cb Cb Cb Cb

(Section Parallel to Univ.)  
0-31.01 University

297.58 296.60 296.36 296.63 298.58 301.53  
7.54 8.52 8.76 8.49 6.54 3.59  
100 50 16 50 100

T.P. 1.82 305.12 13.27 303.30

B.M. 1.00 316.57 315.57

305.12

2+32.25

2812	2835	2835	2855	2834	2831
12'	9'	9'	9'	9'	10'
44	38	25		25	40
Ditch					

2+08.37 BC

2831	2811	2822	2830	28333	2835	2830
10'	12'	10'	10'	9'	9'	10'
38	34	33	25	44.6	25	40

1+50

2818	2795	2824	2828	2831	2831
11'	13'	10'	10'	10'	9'
35	32	25		25	40
Ditch					

1+00

2820	2791	2820	2822	2835	2837
11'	14'	11'	10'	9'	9'
41	36	30		25	40
Ditch					

0+75.5 sewer M.H. on line

285.08  
80.3  
Rim

0+30

2817	2790	2818	2838	2854	2853
11'	14'	11'	9'	7'	7'
41	33	25		25	40
Ditch					

293.11

293.11



51st St. Cont'd

76

4+00

2991	2996	2917	2945	2988	3043	3062
+2.7	2.8	4.7	1.9	+2.4	+7.9	+9.8
40	25	18	9	25	40	

3+57.64 EC.

2986	2925	2889	2903	2934	2975	2999
+2.3	3.9	7.5	6.1	3.0	+1.1	+3.5
37	25	16	12	25	40	

3+32.77

2900	2885	2879	2894	2902	2925	2933
6.4	7.9	8.9	8.0	6.3	3.6	3.1
40	25	13	12	25	32	

3+07.89

2852	2863	2860	2867	2869	2874	2888
11.2	10.1	10.4	9.7	9.5	9.0	7.5
45	32	25	18	29	42	

2491 Sewer MH 31' Lt

286.86 → 9.52

2+83.01

2852	31 Rim	2843	2845	2857	2855	2855
11.2	11.6	11.9	10.7	10.9	10.9	10.9
40	25	10	25	40		

2+58.13

2843	2822	2843	2842	2841	2846	2839
12.1	14.2	12.1	12.3	12.3	11.8	12.5
44	40	37	25	25	45	

TP. 1306 296.39 9.78 283.33

296.39

293.11

Ditch

51st St. Contd

77

5+64.71

302 <sup>3</sup>	301 <sup>3</sup>	299 <sup>1</sup>	301 <sup>8</sup>	302 <sup>3</sup>	302 <sup>5</sup>	304 <sup>2</sup>	304 <sup>4</sup>	303 <sup>4</sup>	303 <sup>9</sup>
7 <sup>3</sup>	8 <sup>3</sup>	9 <sup>8</sup>	7 <sup>8</sup>	7 <sup>3</sup>	7 <sup>1</sup>	5 <sup>4</sup>	5 <sup>2</sup>	6 <sup>2</sup>	5 <sup>7</sup>
40	32	27	19		3	6	19	25	40

5+40.63 BC

303 <sup>4</sup>	300 <sup>3</sup>	298 <sup>1</sup>	301 <sup>8</sup>	301 <sup>7</sup>	302 <sup>2</sup>	303 <sup>8</sup>	305 <sup>1</sup>
6 <sup>3</sup>	9 <sup>3</sup>	10 <sup>8</sup>	8 <sup>8</sup>	7 <sup>2</sup>	7 <sup>4</sup>	5 <sup>4</sup>	4 <sup>5</sup>
45	25	19	12		11	25	40

5+39.4 & Sewer M.H. on line.

301.82  
7<sup>2</sup>  
Rim

5+00

301 <sup>4</sup>	298 <sup>1</sup>	296 <sup>5</sup>	298 <sup>1</sup>	299 <sup>3</sup>	301 <sup>4</sup>	305 <sup>2</sup>	306 <sup>3</sup>	309 <sup>3</sup>
8 <sup>2</sup>	11 <sup>5</sup>	13 <sup>1</sup>	11 <sup>5</sup>	10 <sup>3</sup>	8 <sup>2</sup>	4 <sup>4</sup>	3 <sup>3</sup>	0 <sup>3</sup>
40	25	21	10		10	20	25	40

4+50

301 <sup>8</sup>	294 <sup>2</sup>	297 <sup>4</sup>	302 <sup>1</sup>	306 <sup>3</sup>	309 <sup>2</sup>
7 <sup>8</sup>	15 <sup>4</sup>	12 <sup>2</sup>	7 <sup>5</sup>	3 <sup>3</sup>	0 <sup>4</sup>
45	24		11	25	40

309.61

TP 3.44 ~~309.61~~ 0.36 306.17 306.22  
 TP 11.94 306.53 1.80 294.59

(on Hub 0+72.25 = P 57 this BC)  
(6+12.88 our sta)

296.39

51st St. Contd.

\$

78

0+72.25 P.57 this BC) (No Edge Conc Ramp to Go.)  
6+13.88 = so line of line st on Rt.

5488.79

309.61  
~~309.66~~  
T

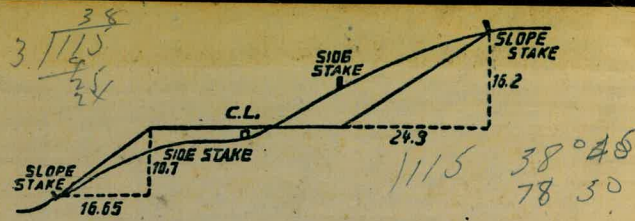
300A	3020	3041	3044	3055	3062	3068	30735	30737	30741
5 <sup>1</sup>	7 <sup>1</sup>	5 <sup>2</sup>	5 <sup>3</sup>	4 <sup>1</sup>	3 <sup>4</sup>	2 <sup>8</sup>	2 <sup>25</sup>	2 <sup>24</sup>	2 <sup>2</sup>
50	39	26	21	14		19	21.2	33.2	50
							Ramp		
302A	3012	3031	3035	3044	3049	3062	3061	3065	
7 <sup>2</sup>	8 <sup>4</sup>	6 <sup>5</sup>	6 <sup>1</sup>	5 <sup>2</sup>	4 <sup>2</sup>	3 <sup>4</sup>	3 <sup>5</sup>	3 <sup>1</sup>	
41	35	25	22		14	16	25	40	

309.61  
~~309.66~~  
T



46631 11.66 17.5  
 233155  
 93.262 5+40.63 17.9  
 116.5775  
 23.31  
 6.1.288

1.10338  
 551690  
 4+36.18  
 3.3840  
 77.78  
 3439.28  
 33188  
 48+09.28  
 28.58  
 2.59 29  
 39.1  
 7.2  
 3.9  
 78.0  
 20.0  
 17.3



**DISTANCES FROM SIDE STAKES FOR CROSS-SECTIONING.**  
 SLOPE 1 1/2 TO 1. ROADWAY OF ANY WIDTH.

	0	.1	.2	.3	.4	.5	.6	.7	.8	.9	
0	0.00	0.15	0.30	0.45	0.60	0.75	0.90	1.05	1.20	1.35	0
1	1.50	1.65	1.80	1.95	2.10	2.25	2.40	2.55	2.70	2.85	1
2	3.00	3.15	3.30	3.45	3.60	3.75	3.90	4.05	4.20	4.35	2
3	4.50	4.65	4.80	4.95	5.10	5.25	5.40	5.55	5.70	5.85	3
4	6.00	6.15	6.30	6.45	6.60	6.75	6.90	7.05	7.20	7.35	4
5	7.50	7.65	7.80	7.95	8.10	8.25	8.40	8.55	8.70	8.85	5
6	9.00	9.15	9.30	9.45	9.60	9.75	9.90	10.05	10.20	10.35	6
7	10.50	10.65	10.80	10.95	11.10	11.25	11.40	11.55	11.70	11.85	7
8	12.00	12.15	12.30	12.45	12.60	12.75	12.90	13.05	13.20	13.35	8
9	13.50	13.65	13.80	13.95	14.10	14.25	14.40	14.55	14.70	14.85	9
10	15.00	15.15	15.30	15.45	15.60	15.75	15.90	16.05	16.20	16.35	10
11	16.50	16.65	16.80	16.95	17.10	17.25	17.40	17.55	17.70	17.85	11
12	18.00	18.15	18.30	18.45	18.60	18.75	18.90	19.05	19.20	19.35	12
13	19.50	19.65	19.80	19.95	20.10	20.25	20.40	20.55	20.70	20.85	13
14	21.00	21.15	21.30	21.45	21.60	21.75	21.90	22.05	22.20	22.35	14
15	22.50	22.65	22.80	22.95	23.10	23.25	23.40	23.55	23.70	23.85	15
16	24.00	24.15	24.30	24.45	24.60	24.75	24.90	25.05	25.20	25.35	16
17	25.50	25.65	25.80	25.95	26.10	26.25	26.40	26.55	26.70	26.85	17
18	27.00	27.15	27.30	27.45	27.60	27.75	27.90	28.05	28.20	28.35	18
19	28.50	28.65	28.80	28.95	29.10	29.25	29.40	29.55	29.70	29.85	19
20	30.00	30.15	30.30	30.45	30.60	30.75	30.90	31.05	31.20	31.35	20
21	31.50	31.65	31.80	31.95	32.10	32.25	32.40	32.55	32.70	32.85	21
22	33.00	33.15	33.30	33.45	33.60	33.75	33.90	34.05	34.20	34.35	22
23	34.50	34.65	34.80	34.95	35.10	35.25	35.40	35.55	35.70	35.85	23
24	36.00	36.15	36.30	36.45	36.60	36.75	36.90	37.05	37.20	37.35	24
25	37.50	37.65	37.80	37.95	38.10	38.25	38.40	38.55	38.70	38.85	25
26	39.00	39.15	39.30	39.45	39.60	39.75	39.90	40.05	40.20	40.35	26
27	40.50	40.65	40.80	40.95	41.10	41.25	41.40	41.55	41.70	41.85	27
28	42.00	42.15	42.30	42.45	42.60	42.75	42.90	43.05	43.20	43.35	28
29	43.50	43.65	43.80	43.95	44.10	44.25	44.40	44.55	44.70	44.85	29
30	45.00	45.15	45.30	45.45	45.60	45.75	45.90	46.05	46.20	46.35	30
31	46.50	46.65	46.80	46.95	47.10	47.25	47.40	47.55	47.70	47.85	31
32	48.00	48.15	48.30	48.45	48.60	48.75	48.90	49.05	49.20	49.35	32
33	49.50	49.65	49.80	49.95	50.10	50.25	50.40	50.55	50.70	50.85	33
34	51.00	51.15	51.30	51.45	51.60	51.75	51.90	52.05	52.20	52.35	34
35	52.50	52.65	52.80	52.95	53.10	53.25	53.40	53.55	53.70	53.85	35
36	54.00	54.15	54.30	54.45	54.60	54.75	54.90	55.05	55.20	55.35	36
37	55.50	55.65	55.80	55.95	56.10	56.25	56.40	56.55	56.70	56.85	37
38	57.00	57.15	57.30	57.45	57.60	57.75	57.90	58.05	58.20	58.35	38
39	58.50	58.65	58.80	58.95	59.10	59.25	59.40	59.55	59.70	59.85	39
40	60.00	60.15	60.30	60.45	60.60	60.75	60.90	61.05	61.20	61.35	40
41	61.50	61.65	61.80	61.95	62.10	62.25	62.40	62.55	62.70	62.85	41
42	63.00	63.15	63.30	63.45	63.60	63.75	63.90	64.05	64.20	64.35	42
43	64.50	64.65	64.80	64.95	65.10	65.25	65.40	65.55	65.70	65.85	43
44	66.00	66.15	66.30	66.45	66.60	66.75	66.90	67.05	67.20	67.35	44
45	67.50	67.65	67.80	67.95	68.10	68.25	68.40	68.55	68.70	68.85	45
46	69.00	69.15	69.30	69.45	69.60	69.75	69.90	70.05	70.20	70.35	46
47	70.50	70.65	70.80	70.95	71.10	71.25	71.40	71.55	71.70	71.85	47
48	72.00	72.15	72.30	72.45	72.60	72.75	72.90	73.05	73.20	73.35	48
49	73.50	73.65	73.80	73.95	74.10	74.25	74.40	74.55	74.70	74.85	49
50	75.00	75.15	75.30	75.45	75.60	75.75	75.90	76.05	76.20	76.35	50

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