

1994

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DRAWING MATERIALS, MATHEMATICAL and
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Distances from Center of Roadway for Cross-Sectioning
Roadway 16 feet wide. Side Slopes 1 on 1.
For Single Track Embankment.

H	0	.1	.2	.3	.4	.5	.6	.7	.8	.9	H
0	8.0	8.1	8.2	8.3	8.4	8.5	8.6	8.7	8.8	8.9	0
1	9.0	9.1	9.2	9.3	9.4	9.5	9.6	9.7	9.8	9.9	1
2	10.0	10.1	10.2	10.3	10.4	10.5	10.6	10.7	10.8	10.9	2
3	11.0	11.1	11.2	11.3	11.4	11.5	11.6	11.7	11.8	11.9	3
4	12.0	12.1	12.2	12.3	12.4	12.5	12.6	12.7	12.8	12.9	4
5	13.0	13.1	13.2	13.3	13.4	13.5	13.6	13.7	13.8	13.9	5
6	14.0	14.1	14.2	14.3	14.4	14.5	14.6	14.7	14.8	14.9	6
7	15.0	15.1	15.2	15.3	15.4	15.5	15.6	15.7	15.8	15.9	7
8	16.0	16.1	16.2	16.3	16.4	16.5	16.6	16.7	16.8	16.9	8
9	17.0	17.1	17.2	17.3	17.4	17.5	17.6	17.7	17.8	17.9	9
10	18.0	18.1	18.2	18.3	18.4	18.5	18.6	18.7	18.8	18.9	10
11	19.0	19.1	19.2	19.3	19.4	19.5	19.6	19.7	19.8	19.9	11
12	20.0	20.1	20.2	20.3	20.4	20.5	20.6	20.7	20.8	20.9	12
13	21.0	21.1	21.2	21.3	21.4	21.5	21.6	21.7	21.8	21.9	13
14	22.0	22.1	22.2	22.3	22.4	22.5	22.6	22.7	22.8	22.9	14
15	23.0	23.1	23.2	23.3	23.4	23.5	23.6	23.7	23.8	23.9	15
16	24.0	24.1	24.2	24.3	24.4	24.5	24.6	24.7	24.8	24.9	16
17	25.0	25.1	25.2	25.3	25.4	25.5	25.6	25.7	25.8	25.9	17
18	26.0	26.1	26.2	26.3	26.4	26.5	26.6	26.7	26.8	26.9	18
19	27.0	27.1	27.2	27.3	27.4	27.5	27.6	27.7	27.8	27.9	19
20	28.0	28.1	28.2	28.3	28.4	28.5	28.6	28.7	28.8	28.9	20
21	29.0	29.1	29.2	29.3	29.4	29.5	29.6	29.7	29.8	29.9	21
22	30.0	30.1	30.2	30.3	30.4	30.5	30.6	30.7	30.8	30.9	22
23	31.0	31.1	31.2	31.3	31.4	31.5	31.6	31.7	31.8	31.9	23
24	32.0	32.1	32.2	32.3	32.4	32.5	32.6	32.7	32.8	32.9	24
25	33.0	33.1	33.2	33.3	33.4	33.5	33.6	33.7	33.8	33.9	25
26	34.0	34.1	34.2	34.3	34.4	34.5	34.6	34.7	34.8	34.9	26
27	35.0	35.1	35.2	35.3	35.4	35.5	35.6	35.7	35.8	35.9	27
28	36.0	36.1	36.2	36.3	36.4	36.5	36.6	36.7	36.8	36.9	28
29	37.0	37.1	37.2	37.3	37.4	37.5	37.6	37.7	37.8	37.9	29
30	38.0	38.1	38.2	38.3	38.4	38.5	38.6	38.7	38.8	38.9	30
31	39.0	39.1	39.2	39.3	39.4	39.5	39.6	39.7	39.8	39.9	31
32	40.0	40.1	40.2	40.3	40.4	40.5	40.6	40.7	40.8	40.9	32
33	41.0	41.1	41.2	41.3	41.4	41.5	41.6	41.7	41.8	41.9	33
34	42.0	42.1	42.2	42.3	42.4	42.5	42.6	42.7	42.8	42.9	34
35	43.0	43.1	43.2	43.3	43.4	43.5	43.6	43.7	43.8	43.9	35
36	44.0	44.1	44.2	44.3	44.4	44.5	44.6	44.7	44.8	44.9	36
37	45.0	45.1	45.2	45.3	45.4	45.5	45.6	45.7	45.8	45.9	37
38	46.0	46.1	46.2	46.3	46.4	46.5	46.6	46.7	46.8	46.9	38
39	47.0	47.1	47.2	47.3	47.4	47.5	47.6	47.7	47.8	47.9	39
40	48.0	48.1	48.2	48.3	48.4	48.5	48.6	48.7	48.8	48.9	40

Example—If point is 22.6 ft. above grade, how far should it be from center line to be a slope stake point? Ans. from Table 30.6. For same slopes but other widths of roadbed, correct above figures by one-half difference in width of roadbed; thus in example above, for 20 ft. roadbed distance will be 30.6 + (20 - 16) ÷ 2 or 2 ft. added to 30.6 = 32.6. For slopes of 1 on 1½ see inside of back cover.

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City Eng.
San Diego

1994

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Walker
Johnson
Allen
Standy
F. Gregory
18-14-48
Pope
Riley
11-7-48. Sunday

Gibbs Airport
RUNWAY "B" Subgrade Stakes

75 50

10 725

40420 40445

10 100

6 08' 5 83'

175

40395 40420

150

6 33' 6 08'

125

40370 40395

9 100

6 58' 6 33'

7.21 11028

403.07 B.M.

375 25 12.5 12.5 2.5 375 50 75

40958

40470 40495 40470 40445 40420

5 58' 5 33' 5 58' 5 83' 6 08'

40958

40445 40470 40445 40420 40395

5 83' 5 58' 5 83' 6 08' 6 33'

40958

40420 40445 40420 40395 40370

6 08' 5 83' 6 08' 6 33' 6 58'

Cont. Mon. 8+00 10/260

Runway "B" Subgrade Aakes

75 50

Station

11+75

404.95 405.20

11+50

5.33' 5.08'

11+25

404.70 404.95

11+00

5.58' 5.93'

10+75

404.45 404.70

10+50

410.28

5.93' 5.58'

5.15

25 12.5' 8 12.5 25 50 75

EE508

405.45 405.70 405.45 405.20 404.95

4.83' 4.58' 4.83' 5.08' 5.33'

80508

405.20 405.45 405.20 404.95 404.70

5.08' 4.83' 5.08' 5.33' 5.58'

10+50

404.72'

80508

404.95 405.20 404.95 404.70 404.45

5.33' 5.08' 5.33' 5.58' 5.83'

RUNWAY "B" - SUBGRADE STAKES

75 50

Station

Nº2 Pipe
chk BM. 1700

6.89 405.80

to Stub

TP 6.24 413.69 3.83 406.45 13+00

13+25

405.70 405.95

13+00

4.58' 4.33'
.02H

12+75

405.45 405.70

12+50

4.83' 4.58'

12+25

405.20 405.45

12+00

5.08' 4.83'

410.28

25 1.25 25 50 75

406.08

406.20 406.45 406.20 405.95 405.70

4.98' 3.83' 4.08' 4.33' 4.58'
0.2 0.2 0.2

405.83

405.95 406.20 405.95 405.70 405.45

4.33' 4.08' 4.33' 4.58' 4.83'

405.58

405.70 405.95 405.70 405.45 405.20

4.58' 4.33' 4.58' 4.83' 5.08'

2

RUNWAY "B" SUBGRADE STAKES

75 50

Station

14+75

406.45 406.70

14+50

6.24' 5.99'

14+25

406.20 406.45

14+00

6.49' 6.24'

13+75

405.95 406.20

13+50

6.74' 6.49'

41269

ft

ft.

3

25 25 50 75

406.83

406.25 406.48 407.20 406.25 406.70 406.45

5.74' 5.49' 5.74' 5.99' 6.24'

406.83

406.70 406.95 406.70 406.45 406.20

5.99' 5.74' 5.99' 6.24' 6.49'

406.83

406.45 406.70 406.45 406.20 405.95

6.24' 5.99' 6.24' 6.49' 6.74'

RUNWAY "B" - SUBGRADE STAKES

75 50

Station

16+25

407.20 407.45

16+00

5.49' 5.24'
.02 H

+75

406.95 407.20

+50

5.74' 5.49'
.01 H .01 H

15+25

406.70 406.95

15+00

5.99' 5.74'
.02 H

41269

Lt 375' 25' 12.5' \$ Rt 25' 50' 75' 4

407.58
 407.70 407.95 407.70 407.45 407.20
 4.99' 4.74' 4.99' 5.24' 5.49'
.01 H .02 H .02 H .02 H

407.33
 407.45 407.70 407.45 407.20 406.95
 5.24' 4.99' 5.24' 5.49' 5.74'
.01 H .01 H .01 H .01 H .01 H

407.08
 407.20 407.45 407.20 406.95 406.70
 5.49' 5.24' 5.49' 5.74' 5.99'
.01 H .01 H .01 H .01 H .01 H

RUNWAY "B" SUBGRADE STAKES

75' 50'

Station

17+75

407.95 408.20

7.50

4.74' 4.49'

12.5

407.70 407.95

17+00

4.99' 4.74'

16+75

407.45 407.70

16+50

5.24' 4.99'

412.69

11

E

17

5

25'

25'

50'

75'

408.33

408.45 408.70 408.45 408.20 407.95

4.24' 3.79' 4.24' 4.99' 4.74'

408.08

408.20 408.45 408.20 407.95 407.70

4.49' 4.24' 4.99' 4.74' 4.99'

407.83

407.95 408.20 407.95 407.70 407.45

4.74' 4.49' 4.74' 4.99' 5.24'

RUNWAY - 18" SUBGRADE STAKES

75 50

Station

19+25

408.72 408.96

19+00

7.06' 6.82'
.01H .01H

415.78 P-7

+75

408.45 408.70

+50

7.33' 7.08'
.01L .01L

415.78 P-7

+25

408.20 408.45

18+00

4.49' 4.24'
.01H .01H

412.69
Cont. from P 5

Lt

R

FL

6

25

25

50

25

409.08

409.20 409.45 409.20 408.98 408.79

6.58' 6.33' 6.58' 6.80' 6.99'
OK .01L .01L OK .01H

408.93

408.25 409.20 408.25 408.70 408.45

6.83' 6.58' 6.83' 7.08' 7.33'
.01L .02L .02L .01L

408.04

408.70 408.95 408.70 408.45 408.20

3.99' 3.74' 3.99' 4.24' 4.49'
.01H .01H .02H .02H

Runway - "B" - Subgrade Fakes

75' 50' Lt

20+75

409.93 410.13

409.74 409.94

+50

6.04' 5.84'
OK .01L

+25 Bk

409.56 409.76

409.37 409.57

20+00

6.41' 6.19'
OK OK

+75

409.03 409.25

19+50

415.78
416.13 P-8
6.75' 6.53'
OK .01L

Lt

275' 25' 125' E 25' 50' 75' Bk 7

410.18" 410.23" 410.27" 410.31" 410.28" 410.25" 410.20" 410.22"

410.01" 410.07" 410.14" 410.20" 410.14" 410.09" 410.02" 410.01"

5.75' 5.58' 5.69' 5.76' 5.77'
OK OK OK

409.84"

409.92" 409.99" 410.06" 409.93" 409.84" 409.79"

409.68"

409.77" 409.95" 409.77" 409.65" 409.58"

6.01' 5.83' 6.01' 6.13' 6.20'
OK .01L OK OK OK

409.96"

409.97" 409.70" 409.59" 409.48" 409.29" 409.17"

6.31' 6.08' 6.30' 6.49' 6.61'
.01L OK .01L OK

Runway "B" Subgrade Stakes

Station	75'	50'
22+25	411.07	411.06
	5.31'	5.31'
22+00	410.90	410.94
	5.47'	5.43'
775	410.73	410.80
750	410.53	410.64
725	410.32	410.47
21+00	410.12	410.30
	5.66'	5.48'

416.37 P-9

7-55
415.78

25'	25'	25'	25'	25'
411.06	411.08	411.08	411.05	410.93
5.31'	5.29'	5.29'	5.32'	5.44'
410.95	410.95	410.95	410.95	410.86
5.42'	5.42'	5.42'	5.42'	5.51'
410.81	410.82	410.83	410.84	410.77
410.69	410.70	410.69	410.69	410.68
410.56	410.57	410.55	410.55	410.57
410.40	410.45	410.40	410.38	410.40
5.38'	5.33'			

8

Runway 'B' Subgrade Stakes

Station	75	50	Lt.
23+75	411.32	411.50	
	5.05 ^v	4.87 ^v	
+50	411.33 ^v	411.44 ^v	
	5.04 ^v	4.93 ^v	
+25	411.34	411.39	
	5.03 ^v	4.98 ^v	
23+00	411.34 ^v	411.33 ^v	
	5.03 ^v	5.04 ^v	
+75	411.27	411.26	
	5.10 ^v	5.11 ^v	
22+50	411.20 ^v	411.18 ^v	
	5.17 ^v	5.19 ^v	

41637 p. 10

9

	25	E	25	50	75
	411.65	411.83 ^v	411.69 ^v	411.52 ^v	411.32 ^v
	4.72 ^v	4.54 ^v	4.68 ^v	4.85 ^v	5.05 ^v
	411.55 ^v	411.70 ^v	411.59 ^v	411.45 ^v	411.24 ^v
	4.82 ^v	4.67 ^v	4.78 ^v	4.92 ^v	5.13 ^v
	411.46	411.58 ^v	411.50 ^v	411.38 ^v	411.17 ^v
	4.91 ^v	4.79 ^v	4.87 ^v	4.99 ^v	5.20 ^v
	411.38 ^v	411.45 ^v	411.40 ^v	411.30 ^v	411.10 ^v
	4.99 ^v	4.92 ^v	4.97 ^v	5.07 ^v	5.27 ^v
	411.28	411.33 ^v	411.30 ^v	411.23 ^v	411.05 ^v
	5.09 ^v	5.04 ^v	5.07 ^v	5.14 ^v	5.32 ^v
	411.17 ^v	411.20 ^v	411.20 ^v	411.15 ^v	410.99 ^v
	5.20 ^v	5.17 ^v	5.17 ^v	5.22 ^v	5.38 ^v

Runway "B" Subgrade

75 50

Station

25+25	411.83 [✓]	412.08	4.54 [✓]	4.29 [✓]
25+00	411.70 [✓]	411.95 [✓]	4.67 [✓]	4.42 [✓]
+75	411.60	411.85	4.77 [✓]	4.52 [✓]
24+50	411.50 [✓]	411.73 [✓]	4.87 [✓]	4.64 [✓]
+25	411.40 [✓]	411.64	4.97 [✓]	4.73 [✓]
24+00	411.30 [✓]	411.55 [✓]	5.07 [✓]	4.82 [✓]

416.37 P.2A

2

14

10

25 25 50 75

412.33	412.58 [✓]	412.33 [✓]	412.08 [✓]	411.85 [✓]
4.04 [✓]	3.79 [✓]	4.04 [✓]	4.29 [✓]	4.52 [✓]
412.20 [✓]	412.45 [✓]	412.22 [✓]	411.97 [✓]	411.74 [✓]
4.17 [✓]	3.92 [✓]	4.15 [✓]	4.40 [✓]	4.63 [✓]
412.08	412.32 [✓]	412.11 [✓]	411.88 [✓]	411.65 [✓]
4.29 [✓]	4.05 [✓]	4.26 [✓]	4.49 [✓]	4.72 [✓]
411.96 [✓]	412.20 [✓]	411.99 [✓]	411.78 [✓]	411.56 [✓]
4.41 [✓]	4.17 [✓]	4.38 [✓]	4.59 [✓]	4.81 [✓]
411.85	412.08 [✓]	411.89 [✓]	411.69 [✓]	411.48 [✓]
4.52 [✓]	4.29 [✓]	4.48 [✓]	4.68 [✓]	4.89 [✓]
411.74 [✓]	411.95 [✓]	411.78 [✓]	411.60 [✓]	411.39 [✓]
4.63 [✓]	4.42 [✓]	4.59 [✓]	4.77 [✓]	4.98 [✓]

Stations

75 50

412.54[✓] 412.79[✓]

5.96[✓] 5.71[✓]

412.94[✓] 412.69[✓]

6.06[✓] 5.81[✓]

412.32[✓] 412.57[✓]

6.18[✓] 5.93[✓]

412.20[✓] 412.45[✓]

6.30[✓] 6.05[✓]

412.08[✓] 412.33[✓]

6.42[✓] 6.17[✓]

411.95[✓] 412.20[✓]

6.55[✓] 6.30[✓]

418.50-P-12

26+75

+50

+25

26

+15

25+50

25 25 25 50 75

413.04 413.29[✓] 413.04[✓] 412.79[✓] 412.54[✓]

5.46[✓] 5.21[✓] 5.46[✓] 5.71[✓] 5.96[✓]

412.94[✓] 413.19[✓] 412.94[✓] 412.69[✓] 412.44[✓]

5.56[✓] 5.31[✓] 5.56[✓] 5.81[✓] 6.06[✓]

412.82 413.07[✓] 412.82[✓] 412.57[✓] 412.32[✓]

5.68[✓] 5.43[✓] 5.68[✓] 5.93[✓] 6.18[✓]

412.70[✓] 412.95[✓] 412.70[✓] 412.45[✓] 412.20[✓]

5.80[✓] 5.55[✓] 5.80[✓] 6.05[✓] 6.30[✓]

412.58 412.83[✓] 412.58[✓] 412.33[✓] 412.08[✓]

5.92[✓] 5.67[✓] 5.92[✓] 6.17[✓] 6.42[✓]

412.45[✓] 412.70[✓] 412.45[✓] 412.20[✓] 411.95[✓]

6.05[✓] 5.80[✓] 6.05[✓] 6.30[✓] 6.55[✓]

11

"B" Runway

75 50

28 +25 Bk

413.07 ✓ 413.32 ✓
5.43' 5.18'

28+00 Bk

413.00 ✓ 413.25 ✓
5.50' 5.25'

+75 Bk

412.93 413.17 ✓
5.57' 5.33'

+50 Bk

412.85 ✓ 413.10 ✓
5.65' 5.40'

+25 Bk

412.75 413.00 ✓
5.75' 5.50'

27+00 Bk

412.65 ✓ 412.90 ✓
5.85' 5.60'
418.50 - P-24

12

25 2 25 50 75

413.57 ✓ 413.82 ✓ 413.57 ✓ 413.32 ✓ 413.07 ✓
4.93' 4.68' 4.93' 5.18' 5.43'

413.50 ✓ 413.75 ✓ 413.50 ✓ 413.25 ✓ 413.00 ✓
5.00' 4.75' 5.00' 5.25' 5.50'

413.42 413.67 ✓ 413.42 ✓ 413.17 ✓ 412.93 ✓
5.08' 4.83' 5.08' 5.33' 5.57'

413.35 ✓ 413.60 ✓ 413.35 ✓ 413.10 ✓ 412.85 ✓
5.15' 4.90' 5.15' 5.40' 5.65'

413.25 413.50 ✓ 413.25 ✓ 413.00 ✓ 412.75 ✓
5.25' 5.00' 5.25' 5.50' 5.75'

413.15 ✓ 413.40 ✓ 413.15 ✓ 412.90 ✓ 412.65 ✓
5.35' 5.10' 5.35' 5.60' 5.85'

418.50

Station

75 50 Lt

29+75

413.37 413.62
419.11 P-19 5.74' 5.49'

+50

413.34' 413.59'
5.77' 5.52'

+25

413.29 413.54
5.82' 5.57'

29

413.24' 413.49'
5.87' 5.62'
419.11 P-19

+75

413.19' 413.44'
5.29' 5.04'

2.8+50

413.14' 413.39'
5.34' 5.09'

418.48

13

25 50 75 Lt

413.87 414.12' 413.87' 413.62' 413.37'
5.24' 4.99' 5.24' 5.49' 5.74'

413.84' 414.09' 413.84' 413.59' 413.34'
5.27' 5.02' 5.27' 5.52' 5.77'

413.79 414.04' 413.79' 413.54' 413.29'
5.32' 5.07' 5.32' 5.57' 5.82'

413.74' 413.99' 413.74' 413.49' 413.24'
5.37' 5.12' 5.37' 5.62' 5.87'

413.69 413.94' 413.69' 413.44' 413.19'
4.79' 4.54' 4.79' 5.04' 5.29'

413.64' 413.89' 413.64' 413.39' 413.14'
4.84' 4.59' 4.84' 5.09' 5.34'

418.48

Hutton

75 50

25

35 50

75

413.42 413.67

413.92 414.17 413.92 413.67 413.42

+25 5.62 5.49

5.19 4.94 5.19 5.44 5.62

413.43 413.68

413.93 414.18 413.93 413.68 413.43

31+00 5.68 5.43

5.18 4.93 5.18 5.43 5.68

413.45 413.68

413.93 414.18 413.93 413.68 413.43

+75 5.68 5.43

5.18 4.93 5.18 5.43 5.68

413.42 413.67

413.92 414.17 413.92 413.67 413.42

750 5.62 5.44

5.19 4.94 5.19 5.44 5.62

413.41 413.66

413.91 414.16 413.91 413.66 413.41

+25 5.70 5.45

5.20 4.95 5.20 5.45 5.70

413.39 413.64

413.89 414.14 413.89 413.64 413.39

30+00 5.78 5.47

5.22 4.97 5.22 5.47 5.72

41211 P.15

41211 P.15

"B" Runway - Subgrade Stokes

75' 50' Lt

32+75

413.29 413.54
5.82 5.67

750

413.32 413.57
5.79 5.54

726

413.35 413.60
5.76 5.51

32+00

413.37 413.62
5.74 5.49

775

413.39 413.64
5.72 5.47

31+50 Bk

413.41 413.66
5.70 5.45

41911 P-16

25

25

50

75

413.79 414.04 413.79 413.54 413.29
5.32 5.07 5.32 5.57 5.82

413.82 414.07 413.82 413.57 413.32
5.29 5.04 5.29 5.54 5.79

413.85 414.10 413.85 413.60 413.35
5.26 5.01 5.26 5.51 5.76

413.87 414.12 413.87 413.62 413.37
5.24 4.99 5.24 5.49 5.74

413.89 414.14 413.89 413.64 413.39
5.22 4.97 5.22 5.47 5.72

413.91 414.16 413.91 413.66 413.41
5.20 4.95 5.20 5.45 5.70

41911

15

"B" Runway - Subgrade Stakes

75' 50'

34+2.5

413.12[✓] 413.37[✓]
5.99[✓] 5.74[✓]

34+00

413.15[✓] 413.40[✓]
5.96[✓] 5.71[✓]

+75

413.18[✓] 413.43[✓]
5.93[✓] 5.68[✓]

+50

413.21[✓] 413.46[✓]
5.90[✓] 5.65[✓]

+25

413.23[✓] 413.48[✓]
5.88[✓] 5.63[✓]

33+00

413.26[✓] 413.51[✓]
5.85[✓] 5.60[✓]

41211 P-24



25' 25' 50' 75'

413.62[✓] 413.87[✓] 413.62[✓] 413.37[✓] 413.12[✓]
5.49[✓] 5.24[✓] 5.49[✓] 5.74[✓] 5.99[✓]

413.65[✓] 413.90[✓] 413.65[✓] 413.40[✓] 413.15[✓]
5.46[✓] 5.21[✓] 5.46[✓] 5.71[✓] 5.96[✓]

413.68[✓] 413.93[✓] 413.68[✓] 413.43[✓] 413.18[✓]
5.43[✓] 5.18[✓] 5.43[✓] 5.68[✓] 5.93[✓]

413.71[✓] 413.96[✓] 413.71[✓] 413.46[✓] 413.21[✓]
5.40[✓] 5.15[✓] 5.40[✓] 5.65[✓] 5.90[✓]

413.73[✓] 413.98[✓] 413.73[✓] 413.48[✓] 413.23[✓]
5.40[✓] 5.13[✓] 5.38[✓] 5.63[✓] 5.88[✓]

413.76[✓] 414.01[✓] 413.76[✓] 413.51[✓] 413.26[✓]
5.35[✓] 5.10[✓] 5.35[✓] 5.60[✓] 5.85[✓]

41211 P-24



"B" Runway
Subgrade Stakes

75 50

Lt.

Stations

35+75
412.96 413.21
5.77 5.52

750
412.98 413.23
5.75 5.50

125
413.01 413.26
5.72 5.47

35+00
413.04 413.29
5.69 5.44

75
413.06 413.31
5.67 5.42

34+50
413.09 413.34
5.64 5.39

418.73

E

Rt.

17

25 25 50 75

413.46 413.71 413.46 413.21 412.96
5.27 5.02 5.27 5.52 5.77

413.48 413.73 413.48 413.23 412.98
5.25 5.00 5.25 5.50 5.75

413.51 413.76 413.51 413.26 413.01
5.22 4.97 5.22 5.47 5.72

413.54 413.79 413.54 413.29 413.04
5.19 4.94 5.19 5.44 5.69

413.56 413.81 413.56 413.31 413.06
5.17 4.92 5.17 5.42 5.67

413.59 413.84 413.59 413.34 413.09
5.14 4.89 5.14 5.39 5.64

418.73 P-18

"B" Runway - Subgrade stakes

75' 50'

Station

+25

412.79 ✓ 413.04 ✓
5.94' 5.69'

37+00

412.82 ✓ 413.07 ✓
5.91' 5.66'

+75

412.85 ✓ 413.10 ✓
5.88' 5.63'

+50

412.87 ✓ 413.12 ✓
5.86' 5.61'

+25

412.90 ✓ 413.15 ✓
5.83' 5.58'

36+00

412.93 ✓ 413.18 ✓
5.80' 5.55'

418.73 P-19

Lt.

S

Ft.

18

25' 35' 50' 75'

413.29 ✓ 413.54 ✓ 413.29 ✓ 413.04 ✓ 413.79 ✓
5.44' 5.19' 5.44' 5.69' 5.94'

413.32 ✓ 413.57 ✓ 413.32 ✓ 413.07 ✓ 412.82 ✓
5.41' 5.16' 5.41' 5.66' 5.91'

413.35 ✓ 413.60 ✓ 413.35 ✓ 413.10 ✓ 412.85 ✓
5.38' 5.13' 5.38' 5.63' 5.88'

413.37 ✓ 413.62 ✓ 413.37 ✓ 413.12 ✓ 412.87 ✓
5.36' 5.11' 5.36' 5.61' 5.86'

413.40 ✓ 413.65 ✓ 413.40 ✓ 413.15 ✓ 412.90 ✓
5.33' 5.08' 5.33' 5.58' 5.83'

413.43 ✓ 413.68 ✓ 413.43 ✓ 413.18 ✓ 412.93 ✓
5.30' 5.05' 5.30' 5.55' 5.80'

"B" Runway Subgrade Fakes

Station	75'	50'
	412.62	412.87
	5.52	5.27
38+75	418.73	
	412.65	412.90
750	418.73	6.08
	5.83	
	412.68	412.93
725	6.05	5.80
	412.71	412.96
38+00	6.02	5.77
	412.73	412.98
775	6.00	5.75
	412.76	413.01
37+50	5.97	5.72

418.73
3 See P. 24

19

25'	25'	50'	75'
413.12	413.37	413.12	412.87
5.02	4.77	5.02	5.27
413.15	413.40	413.15	412.90
5.58	5.33	5.58	5.83
413.18	413.43	413.18	412.93
5.55	5.30	5.55	5.80
413.21	413.46	413.21	412.96
5.52	5.27	5.52	5.77
413.23	413.48	413.23	412.98
5.50	5.25	5.50	5.75
413.26	413.51	413.26	413.01
5.47	5.22	5.47	5.72

B. Runway Elevation notes

	75	50
40+25	412.46 ✓ 5.68	412.71 ✓ 5.43
40+00	412.49 ✓ 5.65	412.74 ✓ 5.40
75	412.52 ✓ 5.62	412.77 ✓ 5.37
750	412.55 ✓ 5.59	412.80 ✓ 5.34
725	412.57 ✓ 5.57	412.82 ✓ 5.32
79+00	412.60 ✓ 5.54	412.85 ✓ 5.29

5.12 418.14 413.02 & Hub

(See PP 24)
This F.B.

	25	25	50	75
	412.96 ✓ 5.18	413.21 ✓ 4.93	412.96 ✓ 5.18	412.71 ✓ 5.43
	412.99 ✓ 5.15	413.24 ✓ 4.90	412.99 ✓ 5.15	412.74 ✓ 5.40
	413.02 ✓ 5.12	413.27 ✓ 4.87	413.02 ✓ 5.12	412.77 ✓ 5.37
	413.05 ✓ 5.09	413.30 ✓ 4.84	413.05 ✓ 5.09	412.80 ✓ 5.34
	413.07 ✓ 5.07	413.32 ✓ 4.82	413.07 ✓ 5.07	412.82 ✓ 5.32
	413.10 ✓ 5.04	413.35 ✓ 4.79	413.10 ✓ 5.04	412.85 ✓ 5.29

Sta 42+00

418.14
F.P. 2X

"B" Runway Subgrade stakes

Station	75	50
41 +75	412.29 5.85	412.54 5.60
+50	412.32 5.82	412.57 5.57
+25	412.35 5.79	412.60 5.54
41 +00	412.38 5.76	412.63 5.51
+75	412.41 5.73	412.66 5.48
40 +50	412.43 5.71	412.68 5.46

418.14

21

Lt	25	25	50	75
	412.79 5.35	413.04 5.10	412.79 5.35	412.54 5.60
	412.82 5.32	413.07 5.07	412.82 5.32	412.57 5.57
	412.85 5.29	413.10 5.04	412.85 5.29	412.60 5.54
	412.88 5.26	413.13 5.01	412.88 5.26	412.63 5.51
	412.91 5.23	413.16 4.98	412.91 5.23	412.66 5.48
	412.93 5.21	413.18 4.96	412.93 5.21	412.68 5.46

418.14

B¹ Runway Subgrade

	75'	50'
43+25	412.13 5.64	412.38 5.39
43+00	412.16 5.61	412.41 5.36
775	412.18 5.59	412.43 5.34
+50	412.21 5.56	412.46 5.31
+25	412.24 5.53	412.49 5.28
42+00	412.27 5.50	412.52 5.25
6.57	417.77	411.20

22

LT	Σ	RT
25		25 50 75
412.63 5.14	412.88 4.89	412.63 5.14
412.66 5.11	412.91 4.86	412.66 5.11
412.68 5.09	412.93 4.84	412.68 5.09
412.71 5.06	412.96 4.81	412.71 5.06
412.74 5.03	412.99 4.78	412.74 5.03
412.77 5.00	413.02 4.75	412.77 5.00

BM. Comp. No. 16100 "B" Runway
417.77 581860.1

44+75

411.97[✓] 412.22[✓]

5.80 5.55

+50

411.99[✓] 412.24[✓]

5.78 5.53

125

412.02[✓] 412.27[✓]

5.75 5.50

44+00

412.05[✓] 412.30[✓]

5.72[✓] 5.47[✓]

+75

412.07[✓] 412.32[✓]

5.70[✓] 5.45[✓]

43+50

412.10[✓] 412.35[✓]

5.69[✓] 5.42[✓]

23

25 25 50 75

412.47[✓] 412.72[✓] 412.97[✓] 412.22[✓] 411.97[✓]

5.30 5.05 5.30 5.55 5.80

412.49[✓] 412.74[✓] 412.49[✓] 412.24[✓] 411.99[✓]

5.28 5.03 5.28 5.53 5.78

412.52[✓] 412.77[✓] 412.52[✓] 412.27[✓] 412.02[✓]

5.25 5.00 5.25 5.50 5.75

412.55[✓] 412.80[✓] 412.55[✓] 412.30[✓] 412.05[✓]

5.22[✓] 4.97[✓] 5.22[✓] 5.47[✓] 5.72[✓]

412.57[✓] 412.82[✓] 412.57[✓] 412.32[✓] 412.07[✓]

5.20[✓] 4.95[✓] 5.20[✓] 5.45[✓] 5.70[✓]

412.60[✓] 412.85[✓] 412.60[✓] 412.35[✓] 412.10[✓]

5.17[✓] 4.92[✓] 5.17[✓] 5.42[✓] 5.67[✓]

15th Runway - Subgrade Stakes

75 50

T.P. 9.93 406.46^{-20+00 & FB 1860 72} 406.44

T.P. 367 416.37 5.80 412.70
 6.64 418.50^{Corrected Mean} 411.87^{150 ft 27+00}
 T.P. check 6.64 411.84¹⁸⁶⁰⁻¹⁵

T.P. 449 418.48 5.12 413.99

T.P. 5.27 419.11 4.89 413.84^{on stake 34+50}

T.P. 5.24 418.73 5.13 413.49

T.P. 530 418.62 4.60 413.32[✓]

6.72 417.92 411.20^{8 M Mon 46+00 P-22}

~~T.P. 463 413.51~~

T.P. 5.12 418.14 4.75 413.02

411.94 411.19

45+00 5.83 5.58

417.77

25 & 25 50 75 34

on & Stub 25+50

on & Stub 29+00

on & Stake 37+00

on & Stake 39+25 P-20

& Hub Sta. 48+00

412.44 412.69 412.44 412.19 411.94

5.33 5.08 5.33 5.58 5.83

417.77

Walker
Johnsara
Branby
Pope
11-4-48

Check Subgrade Stokes
"B" Runway

25

T.P.		5.08	410.81	
	10.17	415.89	405.78	B.M. #
	5.15	417.60	591 412.45	1/2 Stub 25+00
	5.21	418.36	412.45 - correct	
			412.41	T.P. Below on 25+00

on E Axis Staked (Tacked) 22+00 "B" Runway
Stake 18+00

chk FB1860-12			405.73	
18+50	1000		405.70	

chk 19+00 1/2 Stub FB1860-12	9.62	406.12	406.08	
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T.P.	3.29	415.70	5.86	412.41	on E 25+00
------	------	--------	------	--------	---------------

T.P.	4.23	418.27	4.86	414.06	35+00 1/2
------	------	--------	------	--------	--------------

T.P.	5.23	418.92	4.52	413.69	on 1/2 Stub 36+00
------	------	--------	------	--------	----------------------

T.P.	5.03	418.21	4.80	413.18	
------	------	--------	------	--------	--

	6.78	417.98		411.20	
--	------	--------	--	--------	--

"A" Runway Subgrade Stakes

	75	50	LT
	411.60	411.85	
	411.65	411.90	
131+00	6.01	5.76	

	411.45	411.70	
	411.47	411.74	
130+50	6.17	5.92	

	411.30	411.55	
	411.32	411.58	
130+00	6.33	6.08	
		417.66	

	411.15	411.40	
	411.17	411.42	
129+50	6.49	6.24	

→ see p. 54 for this station

use BM 411.26 to set Grades 129+50 to 131+50

129+00

128+50

Cont. P. 46-52

109+00 P-46

	25	4	25	50	75
	412.10	412.35	412.10	411.85	411.60
	412.15	412.40	412.15	411.90	411.65
	5.51	5.26	5.51	5.76	6.01

	411.95	412.20	411.95	411.70	411.45
	411.97	412.24	411.97	411.74	411.49
	5.67	5.42	5.67	5.92	6.17

	411.80	412.05	411.80	411.55	411.30
	411.83	412.08	411.83	411.58	411.33
	5.83	5.58	5.83	6.08	6.33
			417.66		(see P-32)

	411.65	411.90	
	411.67	411.92	
	5.99	5.74	

"A" Runway Subgrade Stokes

6+

75 50

134+00
412.61 412.86
6.68' 6.43'
419.29

133+50
412.45 412.70
5.21' 4.96'

133+00
412.29 412.54
5.37' 5.12'

132+50
412.12 412.38
5.53' 5.28'

132+00
411.97 412.22
5.69' 5.44'

131+50
411.81 412.06
5.95' 5.60'

BMs
Equation

411.31 = BM Ahead
411.26 = BM back

417.66

27

R+

25 50 75

413.11 413.36 413.11 412.86 412.61
6.18' 5.93' 6.18' 6.43' 6.68'
419.29
(see P-32)

412.95 413.20 412.95 412.70 412.45
4.71' 4.46' 4.71' 4.96' 5.21'

412.79 413.04 412.79 412.54 412.29
4.87' 4.62' 4.87' 5.12' 5.37'

412.63 412.88 412.63 412.38 412.13
5.03' 4.78' 5.03' 5.28' 5.53'

412.47 412.72 412.47 412.22 411.97
5.19' 4.94' 5.19' 5.44' 5.69'

412.31 412.56 412.31 412.06 411.81
5.35' 5.10' 5.35' 5.60' 5.85'

(see P-32) 417.66

"A" Runway Subgrade Stakes ft

75 50

413.57 413.82

137+00

5.72[✓] 5.77[✓]

413.41 413.66

136+50

5.88[✓] 5.63[✓]

413.25 413.50

136+00

6.04[✓] 5.79[✓]

413.09 413.34

135+50

6.20[✓] 5.95[✓]

413.23 413.18

135+00

6.36[✓] 6.11[✓]

412.77 413.02

134+50

6.52[✓] 6.27[✓]

419.29

ft

75 50 25 50 75

414.07 414.32 414.07 413.82 413.57

5.22[✓] 4.97[✓] 5.22[✓] 5.97[✓] 5.72[✓]

413.91 414.16 413.91 413.66 413.41

5.38[✓] 5.13[✓] 5.38[✓] 5.63[✓] 5.88[✓]

413.75 414.00 413.75 413.50 413.25

5.54[✓] 5.29[✓] 5.54[✓] 5.79[✓] 6.04[✓]

413.59 413.84 413.59 413.34 413.09

5.70[✓] 5.45[✓] 5.70[✓] 5.95[✓] 6.20[✓]

413.43 413.68 413.43 413.18 412.93

5.86[✓] 5.61[✓] 5.86[✓] 6.11[✓] 6.36[✓]

413.27 413.52 413.27 413.02 412.77

6.02[✓] 5.77[✓] 6.02[✓] 6.27[✓] 6.52[✓]

419.29

"A" Runway Subgrade Stokes ^{ht}

	75	50
	414.52	414.78
140+00	5.20 ✓	4.95 ✓
	414.87	414.62
139+50	5.36 ✓	5.11 ✓
	414.21	414.46
139+00	5.52 ✓	5.27 ✓
	414.05	414.30
138+50	5.24 ✓	4.99 ✓
	413.89	414.14
138+00	5.40 ✓	5.15 ✓
	413.73	413.98
137+50	5.56 ✓	5.31 ✓
	<u>419.29</u>	

75	50	25	50	75
415.03	415.28	415.03	414.78	414.53
4.70 ✓	4.95 ✓	4.70 ✓	4.95 ✓	5.20 ✓
414.87	415.12	414.87	414.62	414.37
4.86 ✓	4.61 ✓	4.86 ✓	5.11 ✓	5.36 ✓
414.71	414.96	414.71	414.46	414.21
5.02 ✓	4.77 ✓	5.02 ✓	5.27 ✓	5.52 ✓
	<u>419.73</u>			
414.55	414.80	414.55	414.30	414.05
4.79 ✓	4.49 ✓	4.79 ✓	4.99 ✓	5.24 ✓
414.39	414.64	414.39	414.14	413.89
4.90 ✓	4.65 ✓	4.90 ✓	5.15 ✓	5.40 ✓
414.23	414.48	414.23	413.98	413.73
5.06 ✓	4.81 ✓	5.06 ✓	5.31 ✓	5.56 ✓
	<u>419.29</u>			

"A" Runway-Subgrade Stakes

75 50 LT

142+50 415.33 415.51
6.91 ✓ 6.16 ✓

142+00 415.17 415.92
6.57 ✓ 6.32 ✓

141+50 415.01 415.26
6.73 ✓ 6.48 ✓

141+00 414.85 415.10
6.89 ✓ 6.64 ✓

140+50 414.63 414.94
7.05 ✓ 6.80 ✓

30

75 RT 75 50 75

415.83 416.08 415.83 415.58 415.33
5.91 ✓ 5.66 ✓ 5.91 ✓ 6.16 ✓ 6.91 ✓

415.67 415.92 415.67 415.42 415.17
6.07 ✓ 5.82 ✓ 6.07 ✓ 6.32 ✓ 6.57 ✓

415.51 415.76 415.51 415.26 415.01
6.23 ✓ 5.98 ✓ 6.23 ✓ 6.48 ✓ 6.73 ✓

415.35 415.60 415.35 415.10 414.85
6.39 ✓ 6.14 ✓ 6.39 ✓ 6.64 ✓ 6.89 ✓

415.19 415.44 415.19 414.94 414.69
6.55 ✓ 6.30 ✓ 6.55 ✓ 6.80 ✓ 7.05 ✓

421.74
(Sec P. 32)

"A" Runway - Subgrade Stakes 47

75' 50'

145+00

416.12 416.38

5.61 ✓ 5.36 ✓

144+50

415.97 416.22

5.77 ✓ 5.52 ✓

144+00

415.81 416.06

5.93 ✓ 5.68 ✓

143+50

415.65 416.90

6.09 ✓ 5.84 ✓

143+00

415.49 415.74

6.25 ✓ 6.00 ✓

Rt

31

75' 50' 75'

416.63 416.88 416.63 416.38 416.13

5.11 ✓ 4.86 ✓ 5.11 ✓ 5.36 ✓ 5.61 ✓

416.97 416.72 416.97 416.22 415.97

5.27 ✓ 5.02 ✓ 5.27 ✓ 5.52 ✓ 5.77 ✓

416.31 416.56 416.31 416.06 415.81

5.43 ✓ 5.18 ✓ 5.43 ✓ 5.68 ✓ 5.93 ✓

416.15 416.40 416.15 415.90 415.65

5.59 ✓ 5.34 ✓ 5.59 ✓ 5.84 ✓ 6.09 ✓

415.99 416.24 415.99 415.74 415.49

5.75 ✓ 5.50 ✓ 5.75 ✓ 6.00 ✓ 6.25 ✓

421.74 (See P. 32)

"A" - Runway - Subgrades

				0.01	
				411.61	
		6.04		411.62	Check
T.P.	4.30	417.66	5.93	413.36	
T.P.	4.33	419.29	4.77	414.96	
T.P.	4.29	419.73	6.30	415.44	
	6.41	421.74		415.33	F.B. 1860 P-2

Stub 85' Lt 130+00
 \$ 134400 Stub
 \$ 139400 Stub
 \$ 140450 Stub

B.M. Conc Mon @ Run "A" Sta. 146+00

"F" Taxiway - Subgrade Stakes

(See P-38 For Check Level.)

2+1026 = E.C.

1+75 ~ Sec P-37 ~

1450 ~ Sec P-37 ~

1423.69 = P.C.C.

0+75

143+75
0+00 = "A" Runway

6.24 ^{0.01} 414.40
414.41 CK

5.32 420.65

415.33

LT
25'

±

RT
25'

33

415.08 ✓

415.33 ✓

415.08 ✓

5.57 ✓

5.32

5.57 ✓

415.13 ✓

415.38 ✓

415.13 ✓

5.52 ✓

5.27 ✓

5.32 ✓

415.81

415.72

415.65

4.84

4.92 ✓

5.00

416.56

416.48

416.40

Stake 35 ft
145+00 Runway "A"

B.M. Cone Man. & Runway "A" Sta. 146+00

Taxiway "F" Subgrade Stakes

T.P.	920	424.20	5.65	$\frac{0.03}{415.03}$	$\frac{5766}{3475}$
4+75					
4+25					
3+75					
3+50					
3+25					
2+75					
2+25					

$\frac{14}{25}$	\$	$\frac{77}{25}$	34
417.58 ✓	417.83 ✓	417.58 ✓	
3.07 ✓	2.82 ✓	3.07 ✓	
417.06 ✓	417.31 ✓	417.06 ✓	
3.59 ✓	3.34 ✓	3.59 ✓	
416.54 ✓	416.79 ✓	416.54 ✓	
4.11 ✓	3.86 ✓	4.01 ✓	
416.02 ✓	416.27 ✓	416.02 ✓	
4.63 ✓	4.38 ✓	4.63 ✓	
415.51 ✓	415.76 ✓	415.51 ✓	
5.19 ✓	4.89 ✓	5.19 ✓	
415.12 ✓	415.37 ✓	415.12 ✓	
5.53 ✓	5.28 ✓	5.53 ✓	
	<u>420.65</u>		

TAXIWAY "F" Subgrade Stakes

8+25

7+75

7+25

6+75

6+25

5+75

5+25

St
25'

417.41 ✓

6.79 ✓

418.05 ✓

6.15 ✓

418.47 ✓

5.73 ✓

418.69 ✓

5.51 ✓

418.70 ✓

5.50 ✓

418.50 ✓

5.70 ✓

418.09 ✓

6.11 ✓

St

417.66 ✓

6.54 ✓

418.30 ✓

5.90 ✓

418.72 ✓

5.98 ✓

418.94 ✓

5.26 ✓

418.95 ✓

5.25 ✓

418.75 ✓

5.45 ✓

418.34 ✓

5.86 ✓

424.20

St
25'

417.91 ✓

6.79 ✓

418.05 ✓

6.15 ✓

418.47 ✓

5.73 ✓

418.69 ✓

5.51 ✓

418.70 ✓

5.50 ✓

418.50 ✓

5.70 ✓

418.09 ✓

6.11 ✓

TAXIWAY "F" Subgrade stakes

11+26.28 Cont. P. 39
Use BM No 5 Ahead

11+01.28
Including and from this station
Back Elevations were brot. from
Mon on Rwy "A" 415.33

10+75
T.P. 2.21 418.14 8.27 415.93 10+75
0.02
415.95 stub 50/2

10+25

9+75

9+25

8+75

Stake	ℓ	RT
25'		25'
413.00	413.00	413.00
5.14 ✓	4.89 ✓	5.14 ✓
413.27 ^{Grade} from BM No 5	413.52 ^{Grade} from BM No 5	413.27 ^{Grade} from BM No 5
413.33	412.58	413.33 ✓
4.81 ✓	4.56 ✓	4.81 ✓
413.71 ✓	413.96 ✓	413.71 ✓
4.43 ✓	4.18 ✓	4.43 ✓
	418.14	
414.45 ✓	414.70 ✓	414.45 ✓
9.75 ✓	9.50 ✓	9.75 ✓
415.19 ✓	415.44 ✓	415.19 ✓
9.01 ✓	8.76 ✓	9.01 ✓
415.93 ✓	416.18 ✓	415.93 ✓
8.27 ✓	8.02 ✓	8.27 ✓
416.67 ✓	416.92 ✓	416.67 ✓
7.53 ✓	7.28 ✓	7.53 ✓
	424.20	

TAXIWAY "F" - Subgrade Stakes

0.01
419.65 5+6 50' Lt
6.09 419.64 2+25"

1+75

1+50

1+29.69 - Sec P-33

0+75 Sec P-33

P.O.C. - 60° from P.C.

P.O.C. - 30° from B.C.

P.C. 48.69 Radius on RA

542 420.75

415.33

414.98 ✓ 415.23 ✓ 414.98 ✓

5.77 ✓ 5.52 ✓ 5.77 ✓

415.04 ✓ 415.39 ✓ 415.04 ✓

5.71 ✓ 5.46 ✓ 5.71 ✓

415.80 415.72 415.64

4.95 5.03 5.11

415.37

5.38 ✓

415.49

5.26 ✓

415.48

5.27

B.M. Conc Mon - 146+00 "A" Rwy

Taxiway "F" - Subgrade Stakes

Check Levels

(See P. 33 to 37)

58

4.62	417.74		413.12	B.M.
			0.06	
		5.72	413.72	B.M. #5
			413.18	
2.72	418.90	7.51	416.18	9+25
5.86	423.69	2.59	417.83	4175
5.09	420.42		415.33	

B.M. & Conc Men Runy "A"

Terrace "F" Subgrade
Stakes Cont from P. 36

£

39

30° from B.C. on Curve

412.79

4.65

412.89

4.85

12+51.28 = P.C. 50' Radius

412.50

5.24

412.72

5.02

412.54

5.20

12+01.28

412.44

5.30

412.69

5.05

412.44

5.30

11+76.28

412.53

5.21

412.78

4.96

412.53

5.21

11+26.28

412.96

4.78

413.21

4.53

412.96

4.78

417.74

Torrey "F" Subgrades

Cont. on P-41

60° from B.C. = 14+76.28 on L.

Lt	±	Rt
412.87 ✓	413.00 ✓	412.92 ✓
5.83 ✓	5.70 ✓	5.78 ✓

30° from B.C.

412.97 ✓	413.09 ✓
5.73 ✓	5.61 ✓

14+51.28 - B.C. 50' Radius = SLY Side Rwy. "B"

75'	50'	25'	25'	50'	75'
413.02 ✓	413.04 ✓	413.07 ✓	413.10 ✓	413.13 ✓	413.21 ✓

5.58 418.70.

413.12

B.M. #5

90° from B.C. = E.C. = 13+01.28 = NLY Side Rwy. "B"

60° from B.C. on Curve

412.94
4.80 ✓

413.06 ✓
4.68 ✓

Turnway "F" Cont. from P 40
 ~ Subgrades ~

Cont. on P. 42

16+51.28 = B.C. 50' Radius Rt. & Lt.

16+26.28

15+76.28

15+26.28

15+01.28 = E.C.

Lt

±

Rt.

41

412.07	412.32	412.07
6.63	6.38	6.63

412.17	412.42	412.17
6.53	6.28	6.53

412.37	412.62	412.37
6.33	6.08	6.33

412.56	412.81	412.56
6.14	5.89	6.14

412.73	412.90	412.75
5.97	5.80	5.95

412.70
 =

TRAILWAY "F" Subgrades
 Cont. from P-41

17+01.28 = E.C. RT & LT,

60° from BC.

36° from BC - 16+76.28 on L

Lt

L

Rt

42

75'
 411.75
 6.95

25'
 411.91

412.14 -

25'
 411.97

75'
 411.84
 6.86

411.83
 6.87

411.87
 6.83

411.94
 6.76

412.23
 6.47

411.97
 6.73

418.70
 =

Walker Runway "A" - Subgrade
 Johnson Levels to Check Grades
 FOPC
 Riley
 11-7-48 from stations 109+00 to 126+50
 (Sunday)

Red v = Points reset or checked

				<u>0.01</u>
4.65	415.91	^{Corrected} 4.65	411.26	B.M. #3
			411.27	

T.P.	6.09	415.92	4.29	409.83	% Stub 123+00
------	------	--------	------	--------	------------------

	8.31	414.12		405.81	B.M. #2
--	------	--------	--	--------	---------

				<u>0.01</u>
#2 Pipe			405.81	B.M.
chk B.M. #2		7.95	405.82	

T.P.	5.20	413.77	4.29	408.57
------	------	--------	------	--------

T.P.	5.41	412.86	4.42	407.45
------	------	--------	------	--------

	8.53	411.87		403.34	Long. Hoff.
--	------	--------	--	--------	-------------

"A" Runway ~ Subgrade Stakes

Stations

75⁴ 50⁴

Left 25' 28' Right 50' 75'

46

111+50
406.42^{.012} 406.67^{.012}
6.14' 5.89'

111+00
406.32^{.012} 406.57^{.012}
6.24' 5.99'

110+50
406.32^{.012} 406.47^{.012}
6.34' 6.09'

110+00
406.12^{.012} 406.37^{.012}
6.44' 6.19'

109+50
406.02^{.012} 406.27^{.012}
6.54' 6.29'

109+00
405.92^{.012} 406.17^{.012}
6.64' 6.39'

9.22 412.56

403.34

406.92^{.012} 407.17^{.012} 406.92^{.012} 406.67^{.012} 406.42^{.012}
5.64' 5.39' 5.64' 5.89' 6.14'

406.82^{.012} 407.07^{.012} 406.82^{.012} 406.57^{.012} 406.32^{.012}
5.74' 5.49' 5.74' 5.99' 6.24'
502 Lev

406.72^{.012} 406.97^{.012} 406.72^{.012} 406.47^{.012} 406.22^{.012}
5.84' 5.59' 5.84' 6.09' 6.34'

406.62^{.012} 406.87^{.012} 406.62^{.012} 406.37^{.012} 406.12^{.012}
5.94' 5.69' 5.94' 6.19' 6.44'

406.52^{.012} 406.77^{.012} 406.52^{.012} 406.27^{.012} 406.02^{.012}
6.04' 5.79' 6.04' 6.29' 6.54'

406.42^{.012} 406.67^{.012} 406.42^{.012} 406.17^{.012} 405.92^{.012}
6.14' 5.89' 6.14' 6.39' 6.64'

B.M. Conc. Mon 108+00 "A" Runway
FB 1860.2

"A" Runway - Subgrade stakes

Left

±

Right

47

75 50

25 25 50 75

Stations

114+50
407.02[✓] 407.27[✓]
5.54' 5.29'

407.52[✓] 407.77[✓] 407.52[✓] 407.37[✓] 407.02[✓]
5.04' 4.79' 5.04' 5.29' 5.54'

114+00
406.92[✓] 407.17[✓]
5.64' 5.39'

407.42[✓] 407.67[✓] 407.42[✓] 407.17[✓] 406.92[✓]
5.14' 4.89' 5.14' 5.39' 5.64'

113+50
406.82[✓] 407.07[✓]
5.74' 5.49'

407.32[✓] 407.57[✓] 407.32[✓] 407.07[✓] 406.82[✓]
5.24' 4.99' 5.24' 5.49' 5.74'

113+00
406.72[✓] 406.97[✓]
5.84' 5.59'

407.22[✓] 407.47[✓] 407.22[✓] 406.97[✓] 406.72[✓]
5.34' 5.09' 5.34' 5.59' 5.84'

112+50
406.62[✓] 406.87[✓]
5.94' 5.69'

407.12[✓] 407.37[✓] 407.12[✓] 406.87[✓] 406.62[✓]
5.44' 5.19' 5.44' 5.69' 5.94'

112+00
406.52[✓] 406.77[✓]
6.04' 5.79'

407.02[✓] 407.27[✓] 407.02[✓] 406.77[✓] 406.52[✓]
5.54' 5.29' 5.54' 5.79' 6.04'

CHK 112+00 150' RL FB 1860-23 5.95 406.91

412.56

"A" - Runway - Subgrade Stakes

Left

St.

48

75' 50'

25' 25' 50' 75'

Stations

⁰¹²
407.62 407.87

⁰¹² 408.12 ⁰¹² 408.37 ⁰¹² 408.12 ⁰¹² 407.87 407.62 ✓

117+50 6.01' 5.76'

5.51' 5.26' 5.51' 5.76' 6.01'

⁰¹²
407.52 407.77

⁰¹² 408.02 ⁰¹² 408.27 ⁰¹² 408.02 407.77 407.52 ✓

117+00 6.11' 5.86'

5.61' 5.36' 5.61' 5.86' 6.11'

⁰¹²
407.42 407.67

⁰¹² 407.92 ⁰¹² 408.17 407.92 407.67 407.42

116+50 6.21' 5.96'

5.71' 5.46' 5.71' 5.96' 6.21'

TR 5.55 413.63 4.48 408.08 ^{E. Stub} 116+00

⁰¹² Low 413.63

407.32 407.57

407.82 408.07 407.82 407.57 407.32 ✓

116+00 5.74' 4.99'

4.74' 4.49' 4.74' 4.99' 5.24'

⁰¹²
407.22 407.47

⁰¹² 407.72 407.97 407.72 407.47 407.22

115+50 5.34' 5.09'

4.84' 4.59' 4.84' 5.09' 5.34'

⁰¹²
407.12 407.37

⁰¹² 407.62 407.87 407.62 407.37 407.12 ✓

115+00 5.44' 5.19'

4.94' 4.69' 4.94' 5.19' 5.44'

412.56

"A" Runway Subgrade Stakes

Left

±

Right

49

75' 50'

25'

25'

50'

75'

Station

408.32 408.57

408.82 409.07 408.82 408.57 408.32

120+50

5.37' 5.12'

4.87' 4.62' 4.87' 5.12' 5.37'

408.18 408.43

408.68 408.93 408.68 408.43 408.18

120+00

5.51' 5.26'

5.01' 4.76' 5.01' 5.26' 5.51'

TP

7.87 413.69

405.815 = 8.M.
7.80 405.83 40.2

Pipe

Bisector Line 120+00 181860.78

408.06 408.31

408.56 408.81 408.56 408.31 408.06

119+50

5.57' 5.32'

5.07' 4.82' 5.07' 5.32' 5.57'

407.94 408.19

408.44 408.69 408.44 408.19 407.94

119+00

5.69' 5.44'

5.19' 4.94' 5.19' 5.44' 5.69'

407.83 408.08

408.33 408.58 408.33 408.08 407.83

118+50

5.80' 5.55'

5.30' 5.05' 5.30' 5.55' 5.80'

407.72 407.97

408.22 408.47 408.22 407.97 407.72

118+00 = 4.46

5.91' 5.66'

5.41' 5.16' 5.41' 5.66' 5.91'

41363

"A" Runway - Subgrade Stakes

Left

\$

Right

50

75' 50'

25'

25' 50'

75'

Stations

409.15 409.40

409.65 409.90 409.66 409.40 409.17

123+25

6.28 6.03

5.78 5.53 5.77 6.03 6.26

409.08 409.33

409.58 409.83 409.58 409.33 409.08

123+00

6.35 6.10

5.85 5.60 5.85 6.10 6.35

T.P. 5.76 415.43 4.02 409.67 122+50

2 St. b

408.92 409.17

409.42 409.67 409.42 409.17 408.92

122+50

9.77 9.52

4.27 4.02 4.27 4.52 4.77

0.12
408.76 409.01

0.12
409.26 409.51 409.26 409.01 408.76

122+00

4.93 4.68

4.43 4.18 4.43 4.68 4.93

0.12
408.60 408.85

0.12
409.10 409.35 409.10 408.85 408.60

121+50

5.09 4.84

4.59 4.34 4.59 4.84 5.09

408.46 408.71

408.96 409.21 408.96 408.71 408.46

121+00

5.23 4.98

4.73 4.48 4.73 4.98 5.23

413.69

413.69

"A" Runway - Subgrade Stokes

Stations	75'	50'
	409.84	410.00
124+75	5.59	5.93
	409.70 ✓	409.88 ✓
124+50	5.73	5.55
	409.70	409.77
124+25	5.73	5.66
	409.46 ✓	409.67 ✓
124+00	5.99 ✓	5.76 ✓
	409.34	409.56
123+75	6.09	5.87 ✓
	409.25 ✓	409.49 ✓
123+50	6.18 ✓	5.94 ✓

41543
3

51

	25'	25'	50'	75'
	410.19	410.39	410.27	410.14
	5.24	5.64	5.16 ✓	5.79
	410.08 ✓	410.31 ✓	410.15 ✓	409.99 ✓
	5.35 ✓	5.12 ✓	5.28 ✓	5.44 ✓
	409.98	410.22	410.03	409.84
	5.45	5.71	5.40	5.59
	409.90 ✓	410.15 ✓	409.94 ✓	409.71 ✓
	5.53 ✓	5.28 ✓	5.49 ✓	5.72 ✓
	409.81	410.06	409.83	409.58
	5.62 ✓	5.37 ✓	5.60 ✓	5.95 ✓
	409.74 ✓	409.99 ✓	409.75 ✓	409.49 ✓
	5.69 ✓	5.44 ✓	5.68 ✓	5.94 ✓
				409.28 ✓
				6.15 ✓

"A" - Runway Subgrade Stakes

		75'	50'
Stations	413	π Corrected	413
chk BM 1193	415.39	411.26	411.30
		0.94	0.04
		PM 1193	85' K 24100
			78786879

126+25	410.55	410.67
126+00	410.50	410.58
	4.93	4.85
125+75	410.39	410.48
125+50	410.27	410.38
	5.16	5.05
125+25	410.13	410.25
125+00	409.98	410.12
	415.43	5.45
		5.31

25'	25'	50'	75'
410.78	410.87	410.99	411.03
	4.56	4.44	4.40
410.69	410.79	410.91	410.90
	4.74	4.64	4.52
410.60	410.71	410.77	410.74
410.50	410.63	410.63	410.58
	4.93	4.80	4.80
410.40	410.55	410.51	410.43
410.30	410.47	410.39	410.29
	5.13	4.96	5.04
		5.14	5.26

*A: Runway
Subgrade stakes
75 50

127+75

410.77 411.01

127+50

410.74 410.97

4.64 4.42

127+25

410.71 410.92

127+00

410.68 410.88

4.71 4.51

126+75

410.64 410.82

126+50

410.60 410.75

4.79 4.64

415.39

53

25 E 25 50 75

411.19 411.35 411.34 411.36 411.40

411.14 411.27 411.29 411.35 411.46

4.25 4.12 4.10 4.04 3.93

411.08 411.19 411.23 411.32 411.44

411.03 411.11 411.18 411.29 411.42

4.36 4.28 4.21 4.10 3.97

410.95 411.03 411.12 411.22 411.31

410.86 410.95 411.06 411.15 411.20

4.53 4.44 4.33 4.24 4.19

"A" Runway
Subgrade Stakes
75' 50'

Cont. R. 26

129+50

411.14[✓] 411.39[✓]

411.16 411.41

6.68' 6.43[✓]

Use 411.26 BM to set grades
in Red 129+50 to 131+50

T.P.

6.09 417.84

3.64 411.75

T.P. & Stub

129+00

411.03[✓] 411.26[✓]

129+00

4.36' 4.13[✓]

410.90[✓] 411.15[✓]

128+50

4.49[✓] 4.24[✓]

410.86[✓] 411.11[✓]

128+25

410.81[✓] 411.05[✓]

128+00

4.58[✓] 4.34[✓]

415.39[✓]

Lt.

L

Rt.

54

25

25'

50

75

411.64[✓] 411.81[✓] 411.98[✓] 411.46[✓] 411.29[✓]

411.66 411.91 411.70 411.48 411.31

6.18' 5.93[✓] 6.14[✓] 6.36[✓] 6.53[✓]

417.84

411.50[✓] 411.75[✓] 411.57[✓] 411.40[✓] 411.28[✓]

3.89[✓] 3.64[✓] 3.82[✓] 3.99[✓] 4.11[✓]

411.36[✓] 411.59[✓] 411.49[✓] 411.37[✓] 411.29[✓]

4.04[✓] 3.80[✓] 3.90[✓] 4.02[✓] 4.10[✓]

411.31[✓] 411.52[✓] 411.45[✓] 411.37[✓] 411.30[✓]

411.25[✓] 411.43[✓] 411.40[✓] 411.37[✓] 411.35[✓]

4.14[✓] 3.96[✓] 3.99[✓] 4.02[✓] 4.04[✓]

Levels "B" Runway
Subgrade Page 0 to P 8

55

		6.58	409.20	2 Stake 18+50
452	415.78	3.98	411.26	
FP		4.15	410.89	
			405.81	
chk BM#2		8.94	405.80	
	3.98	414.74	411.26	
	4.87	416.13	411.26	

B.M. #3

B.M. #3 Pipe 85' RI 24100

(Gibbs - Airport) Taxiway "F" - Rough Grades
Restake Portions

Walker from 11+26.28 to Taxiway "C"
Johnson
Pope orig. staking = FB 1860-40-43
F.ley
11-3-48

60° from BC

30° from BC

12+51.28 = BC. 50° Return

12+01.28

11+76.28

11+26.28 = 250' lt. of L Runway "B"

4.75 417.87

413.12

30' Lt.

30' Rt.

56

F 0.17 ✓
413.30
413.13
4.74

F 0.48 ✓
413.42
412.94
4.73

C 0.04 ✓
413.15
413.19
4.68

F 0.61 ✓
413.25
412.64
5.23

F 0.14 ✓
412.86 413.08
412.72
5.15

F 0.29 ✓
412.90
412.61
5.26

F 0.15 ✓
412.75 413.05
412.60
5.27

F 0.02 ✓
412.75
412.73
5.14

Grade ✓
412.84 413.14
412.84
5.03

F 0.27 ✓
412.84
412.57
5.30

413.37 413.57 413.37

B.M. *J = 90' lt 35+75 FB 1860
78

11-3-48

Taxiway "F"
Rough Grades

15+01.28 = F.G.

60° from BC

30° from BC

14+51.28
75° from to Rwy "B"
BC 50' R Return

13+01.28

90° from BC = B.C.

Lt. • 2

Rt

57

30'
F 0.33 ✓
413.05 413.23
412.72 -
5.15

30'
F 0.12 ✓
413.08
412.96 -
4.91

F 009

413.20

413.11

4.76

C 002

413.25

413.27

4.60

F 026

413.30

413.09

4.83

F 004

413.42

413.38

4.49

413.35

413.52

463

441

417.87
T

11-3-48

Taxiway "F" Rough Grades
Restaking

90° = B.C. on Taxiway C

60° from B.C.

30° from B.C.

16+51.28 = B.C. 50' R. Ref.

16+26.28

15+76.28

15+26.28

	LT	E	RT	58
F 0.12 ✓			C 1.08 ✓	
412.08	30'		412.17'	
411.96'			413.25'	
5.91			4.62	

C 1.48 ✓
412.16
413.64'
4.23

C 1.31 ✓
412.27
413.58'
4.29

C 1.34 ✓
412.20
413.54'
4.33

C 2.28 ✓
412.30
414.58'
3.29

C 1.45 ✓	
412.35	412.65
413.80'	
4.07	

C 1.37 ✓
412.35
413.72'
4.15

C 1.35 ✓	
412.45	412.75
413.80'	
4.07	

C 0.76 ✓
412.45
413.21'
4.66

C 0.10 ✓	
412.65	412.95
413.75'	
5.12	

C 0.18 ✓
412.65
412.83'
5.04

F 0.36 ✓	
412.84	413.14
412.48'	
5.39	

F 0.10 ✓
412.84
412.74'
5.13

417.87

Walker
Johnson
Pope
Riley
11-4-48

"A" Runway - Gibbs Airport

Restake Portion on left

from 111+00 to

Stations (Orig. Stakes & Grades in FB 1860)

			C 0.72
			405.70
			405.92
113 +50			5.24
			2.50

TP	5.10	411.16	5.65	406.16
----	------	--------	------	--------

113 +00

112 +50

112 +00

111 +50

111 +00

8.37	411.71	403.34
------	--------	--------

Left

150 \$

60

C 1.00	0.00	0.00
404.60	405.30	406.35
405.60	405.30	406.35
5.56	5.86	4.81
212'4"	200'4"	

411.16

C 0.56	C 0.72	C 0.34
405.50	404.75	405.95
406.06	405.47	406.29
5.61	6.24	5.42

0.00	0.00	C 0.72	0.00
405.90	405.10	404.89	405.95
405.90	405.10	405.68	405.96
5.91	6.61	6.03	5.76
230'4"	200'4"	187'4"	

0.00	0.00	C 0.33	0.00
406.20	405.40	405.03	405.60
406.20	405.40	405.36	405.60
5.51	6.31	6.35	6.11
230'	200'4"	172'4"	

0.00	0.00	0.00
405.55	405.15	405.45
405.55	405.15	405.45
6.16	6.56	6.26
200'4"	162'4"	

0.00
405.30
405.30
6.41

411.71

B.N. Conc. Man 108+00 Rwy "A"
FB 1860
2

"A" Runway Restake
 - Rough Grades
 Cont. from P. 60

115+50

000
 40580
 40580
 5.36

Loft

200

150

±

61

000 000
 40630 40680
 40630 40680
 4.96 4.96

115+00

C 192
 40420 - End Gutter
 40612
 5.04

000 000
 40615 40670
 40615 40670
 5.01 4.46

114+50

C 157 C 062
 40460 40434
 40617 40496
 4.77 2.20
 2.376

000 000
 40595 40660
 40595 40660
 5.21 4.56

114+00

C 104 C 083
 40490 40448
 40894 40531
 5.22 5.85
 2.257

000 000
 40580 40650
 40580 40650
 5.36 4.66

4116
 7

"A" Runway
 Re stake Portions
 Cont. from P-61

116+00 184
 Chk Slope Stake Ditch 319 407.97 57

116+50

116+00

411.16

62

Lt

250' 200 150 £

<u>000</u>	<u>000</u>	<u>000</u>
406.00	406.50	407.00
406.00	406.50	407.00
5.16	4.66	4.16

<u>000</u>	<u>000</u>	<u>000</u>
406.90	406.40	406.90
406.90	406.40	406.90
5.26	4.76	4.26

"F" Taxiway Finish Grades

63

Central
 Δ
 1+75 29°24'

 1+50 1504.5'

 1+23.69 P.C.

 0+75
 75° from B.C.

 P.O.C. 60° from B.C.
 45° " "

 P.O.C. = 30° from B.C.
 15° " "

 P.C. 48.69' Radins on Rt.

25' Lt.	12.5' Lt.	¢	12.5' Rt.	25' Rt.
415.31 5.21'	415.44 [✓]	415.56 [✓]	415.44 [✓]	415.31 5.21'
415.37 5.15 [✓]	415.50 [✓]	415.62 [✓]	415.50 [✓]	415.37 5.15 [✓]
415.46 5.06 [✓]	415.59 [✓]	415.71 [✓]	415.59 [✓]	415.46 5.06 [✓]
416.13 4.39 [✓]	416.09 [✓]	416.05 4.47 [✓]	416.01	415.97 4.55 [✓]
				415.58 4.94 [✓]
				415.70 4.82 [✓]
				415.80 4.72 [✓]
				415.90 [✓] 4.62 [✓]
				415.86 [✓] 4.66 [✓]
				415.81 [✓] 4.71 [✓]

519 42052

415.33 B.M.
 Cont. Mon 146700

42052

Taxiway "F" Finish Grades

4+75
 T.P. 6.09 423.48 313 417.39
 25' RT 4125

4+25

3+75

3+25

2+75

2+25

2+10.96 EL 50°00'

42052

25' Lt. 125' Lt. Φ 125' Rt. 25' Rt. 64
 417.91 418.04 418.16 418.04 417.91
 5.57 423.48 5.57

417.39 417.52 417.64 417.52 417.39
 313 313

416.87 417.00 417.12 417.00 416.87
 3.65 3.65

416.35 416.48 416.60 416.48 416.35
 4.17 4.17

415.84 415.97 416.09 415.97 415.84
 4.68 4.68

415.45 415.58 415.70 415.58 415.45
 5.07 5.07

415.41 415.44 415.66 415.44 415.41
 5.11 5.11

42052

Taxiway "F" Finish Grades

7+75				
7+25				
6+75				
6+25				
5+75				
5+25				

25' Lt.	125' Lt.	℄	125' Rt.	25' Rt.
418.38 510 ^v	418.51 ^v	418.63 ^v	418.51 ^v	418.38 510 ^v
418.80 4.68 ^v	418.93 ^v	419.05 ^v	418.93 ^v	418.80 4.68 ^v
419.02 4.46 ^v	419.15 ^v	419.27 ^v	419.15 ^v	419.02 4.46 ^v
419.03 4.45 ^v	419.16 ^v	419.28 ^v	419.16 ^v	419.03 4.45 ^v
418.83 4.65 ^v	418.96 ^v	419.08 ^v	418.96 ^v	418.83 4.65 ^v
418.42 506 ^v	418.55 ^v	418.67 ^v	418.55 ^v	418.42 506 ^v
423.42				

Taxiway "F" Finish Grades

10+75

10+25

9+75

TP 1.68 417.94 ~~722~~ 416.26

9+25

8+75

8+25

423.48

25' Lt

125' Lt

±

125' Rt

25' Rt

66

414.04

3.90

414.17

414.29

414.17

414.04

3.90

414.78

3.16

414.91

415.03

414.91

414.78

3.16

415.52

2.42

415.65

415.77

415.65

415.52

2.42

416.26

7.22

416.39

416.51

416.39

416.26

7.22

417.00

6.48

417.13

417.25

417.13

417.00

6.48

417.74

5.74

417.87

417.99

417.87

417.74

5.74

423.48

Taxiway 'F' Finish Grades

12+76.28

30° from B.C. on curve

15° from B.C.

12+51.28 B.C. 50' Radius

12+01.28

11+76.28

11+26.28

T.P.

11+01.28

$\frac{0.06}{413.12 = 8745}$
 5.26 418.38 5.26 413.18
 Use BM No. 5 Ahead 11+01.28
 4.79 418.44 4.29 413.65 2551+
 use B.M. on con. Mon. End Rwy 'A' Back

25' Lt.

125' Lt.

±

125' Rt.

25' Rt.

67

413.19

413.19

413.25

413.21

413.19

413.12

5.26

413.22

5.16

412.97

5.41

413.09

5.34

412.83

5.55

412.94

413.05

412.96

412.87

5.31

412.77

5.61

412.90

413.02

412.90

412.77

5.61

412.86

5.52

412.99

413.11

412.99

412.86

5.52

413.29

5.09

413.42

413.54

413.42

413.29

5.09

418.38

413.66

4.28

413.79

413.91

413.79

413.66

4.28

Taxiway "F" Finish Grades

15+76.28

15+26.28

15+01.28 = E.C.

75° from B.C.

14+76.28

60° from B.C. = 14+76.28 on $\frac{1}{2}$

45° from B.C.

30° from B.C.

15' from B.C.

14+51.28 B.C. 50' Radius = So. Edge Rwy "B"

13+01.28 E.C. 50' Radius = NO. Edge Rwy "B"

75° from B.C.

60° from B.C. on curve

45° from B.C.

68

25' Lt.	12.5' Lt.	$\frac{1}{2}$	12.5' Rt.	25' Rt.
412.70	412.83	412.95	412.83	412.70
412.89	413.02	413.14	413.02	412.89
413.06	413.15	413.23	413.16	413.08
413.13				413.16
413.20		413.33		413.25
413.40	413.42	413.43	413.45	413.42
413.25				413.38
413.30				413.42
413.37				413.47
413.35	75' Lt. 25' Lt.	12.5' $\frac{1}{2}$ 12.5'	25' Lt.	413.52
5.03	413.91	413.93	413.94	413.96
413.31				4.86
5.09				413.45
413.27				4.93
5.11				413.39
413.20				4.99
5.18				413.31
				5.07

413.38

Taxiway "F" Finish Grades

25' Lt. 125' Lt. ♀ 125' Rt. 25' Rt. 69

	75' Lt ✓ 412.08	25' Lt ✓ 412.24	125' Lt ✓ 412.36	♀ ✓ 412.47	125' Rt ✓ 412.39	25' Rt ✓ 412.30
17+01.28 = E.C.						75' Rt ✓ 412.17
75° from B.C.		412.12 ✓ 412.16				25' Rt ✓ 412.30
60° from B.C.						
45° from B.C.		412.21 ✓ 412.27				412.18 ✓ 412.20
30° from B.C. = 16+76.28 on ♀						
15° from B.C.		412.27 ✓ 412.29	412.42 ✓	412.56 ✓	412.43 ✓	412.25 ✓ 412.30
16+51.28 = B.C. 50' Radius		412.33 ✓ 412.40	412.53 ✓	412.65 ✓	412.53 ✓	412.35 ✓ 412.40
16+26.28		412.50 ✓	412.63 ✓	412.75 ✓	412.63 ✓	412.50 ✓

2+00 = End

± for Sections

± Morena Blvd.

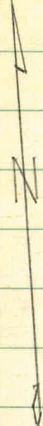
Fd. spike = ±
Morena

50'

90°

0+00

± Huxley = 90' st.



7-Sections for Prop. Daylighting of
N.E. Cor. of Huxley + Morena Blvd.

W.O. 20006 3-4-53 7.0

See Sketch-P. 70 and on Plan 10043-L

2+00 22.19
1+75- 78.5' Lt. = ± 16" Exc. 92.4
edge

1+60 21.86 21.59
94 79
± pave edge

1+20 21.14
1+05- 55' Lt. = ± 6" Exc. Tree 68
edge

0+80
0+62- 32.2 Rt. = wly. of Claremont Sign (3 posts)

0+60

0+44 = Top of Bank

0+35 = N. cb. line of Huxley

B.M. = spike - E. Morena + Huxley 19.61

± of Sect. is line 50' E. of ± of Morena
on ± of Huxley and 90' to N. - 0+00 =
± of Huxley

71

Lt. ± Rt.

22.2 27.3 27.1 26.6 28.9 32.2 35.4
89 81 73 50 48 50

21.6 26.8 26.2 25.7 29.5 31.2 34.0 35.7
75 68 57 35 27 50 78

21.1 26.6 25.4 24.9 29.0 30.5 32.2 35.6
64 56 50 25 15 50 100

20.52 20.4 24.6 24.0 28.4 29.7 30.5 33.9
55 52 44 10 10 50 100
edge

20.40 20.7 24.2 23.6 25.5 28.2 29.5 33.0
40.5 42 35 6 10 50 100
edge

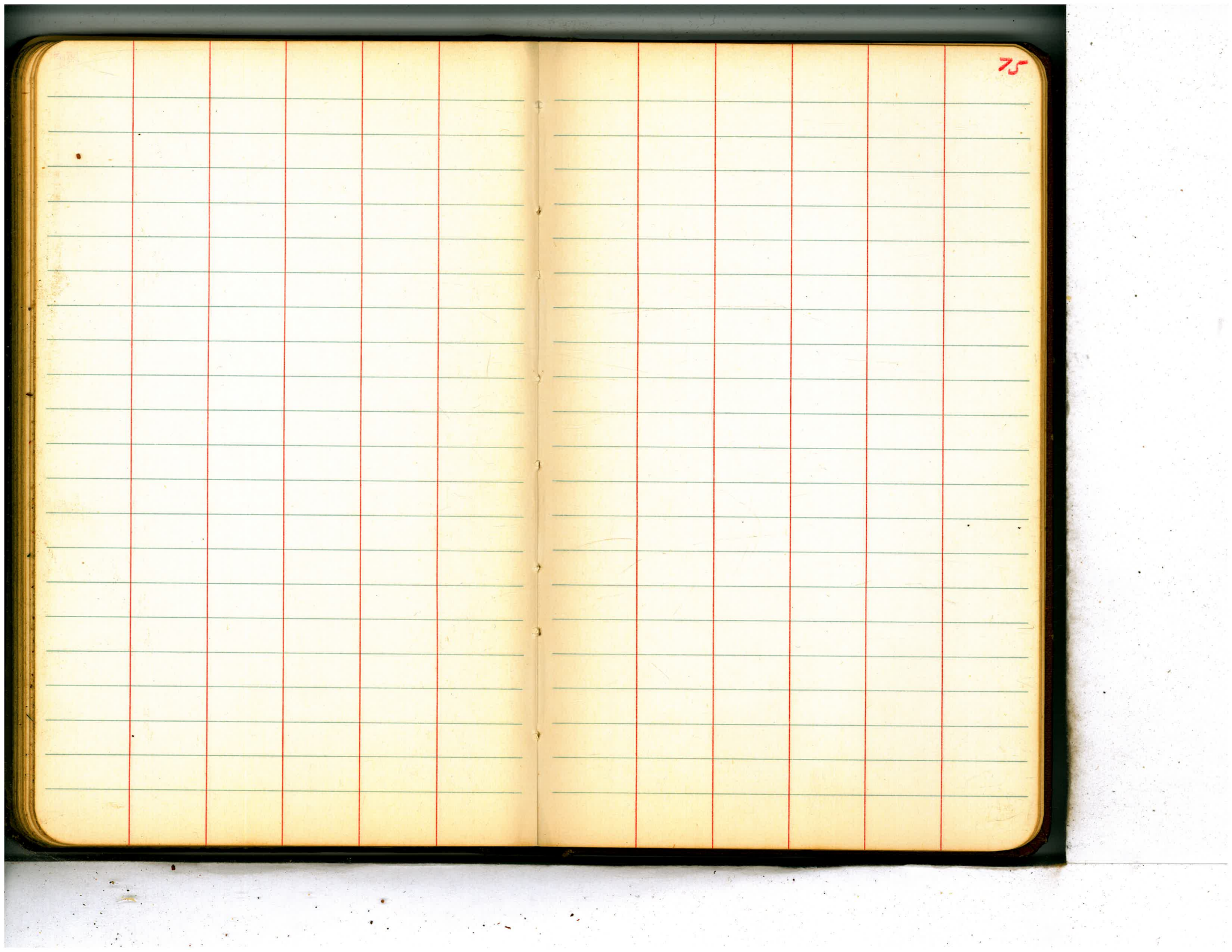
20.05 19.96 21.1 20.3 21.3 22.5
45 32 15 50 100
edge AC

19.84 19.69 19.90 20.77 22.30
35 17 on AC 50 100
By
PC.

Actual Elev. Shown

An open notebook with two blank, lined pages. The pages are cream-colored with green horizontal ruling and red vertical margin lines. The right page has the number '72' written in red in the top right corner. The notebook is bound in the center, and the pages are slightly aged.

The image shows an open notebook with two facing pages. Both pages are cream-colored and feature horizontal green lines for writing. Each page is also ruled with vertical red lines, creating a grid-like structure with approximately 10 columns. The notebook is bound in the center, and the dark cover is visible at the edges. The page number '74' is written in red ink in the top right corner of the right-hand page.



"Gibbs Airport"
 Walker Runway "B" Rough Grades
 Johnson
 Brantley Re Stake Portions on left
 Pope
 10-5-48 front 35+50 to 36+00
 Original Grades FB 1260
 35+50

35+00

This page
 void
 see FB 1997
 35

34+50

34+00

33+50

41892 X from P. 25

← Left → 77

	250'	200'	150'	±
C 2.82	C 0.03'	F 0.31	✓	
411.83	412.17	412.56		
414.65	412.20	412.25		
4.27	6.72	6.67		
C 3.89	F 0.09'	F 0.05	✓	
412.85	412.59	412.70		
416.74	412.50	412.65		
2.18	6.42	6.27		
F 0.55	F 0.29	Grade		
413.46	412.93	412.93		
412.85	412.64	412.92		
6.07	6.28	6.00		
F 0.90	F 0.33	F 0.33		
413.04	412.86	412.93		
412.14	412.53	412.60		
6.78	6.39	6.32		
Grade	C 0.28	C 0.20	✓	
412.51	412.58	412.79		
411.79	412.29	412.79		
411.79	412.57	412.99		
7.13	6.35	5.93		

"B" Runway ~ Rough Grades
~ on left.
Cont. from P-77

£ 78

250 200 150

3600

411.51 412.01 412.51
1.5 1.0 0.5

5863 W
 4 138 E
 1729

4818
 1729
 3.089

DISTANCES FROM CENTER OF ROADWAY FOR
 CROSS-SECTIONING.

Roadway 16 feet wide. Side Slopes 1 on 1½
 For Single Track Embankment.

H	0	.1	.2	.3	.4	.5	.6	.7	.8	.9	H
0	8.0	8.2	8.3	8.5	8.6	8.8	8.9	9.1	9.2	9.4	0
1	9.5	9.7	9.8	10.0	10.1	10.3	10.4	10.6	10.7	10.9	1
2	11.0	11.2	11.3	11.5	11.6	11.8	11.9	12.1	12.2	12.4	2
3	12.5	12.7	12.8	13.0	13.1	13.3	13.4	13.6	13.7	13.9	3
4	14.0	14.2	14.3	14.5	14.6	14.8	14.9	15.1	15.2	15.4	4
5	15.5	15.7	15.8	16.0	16.1	16.3	16.4	16.6	16.7	16.9	5
6	17.0	17.2	17.3	17.5	17.6	17.8	17.9	18.1	18.2	18.4	6
7	18.5	18.7	18.8	19.0	19.1	19.3	19.4	19.6	19.7	19.9	7
8	20.0	20.2	20.3	20.5	20.6	20.8	20.9	21.1	21.2	21.4	8
9	21.5	21.7	21.8	22.0	22.1	22.3	22.4	22.6	22.7	22.9	9
10	23.0	23.2	23.3	23.5	23.6	23.8	23.9	24.1	24.2	24.4	10
11	24.5	24.7	24.8	25.0	25.1	25.3	25.4	25.6	25.7	25.9	11
12	26.0	26.2	26.3	26.5	26.6	26.8	26.9	27.1	27.2	27.4	12
13	27.5	27.7	27.8	28.0	28.1	28.3	28.4	28.6	28.7	28.9	13
14	29.0	29.2	29.3	29.5	29.6	29.8	29.9	30.1	30.2	30.4	14
15	30.5	30.7	30.8	31.0	31.1	31.3	31.4	31.6	31.7	31.9	15
16	32.0	32.2	32.3	32.5	32.6	32.8	32.9	33.1	33.2	33.4	16
17	33.5	33.7	33.8	34.0	34.1	34.3	34.4	34.6	34.7	34.9	17
18	35.0	35.2	35.3	35.5	35.6	35.8	35.9	36.1	36.2	36.4	18
19	36.5	36.7	36.8	37.0	37.1	37.3	37.4	37.6	37.7	37.9	19
20	38.0	38.2	38.3	38.5	38.6	38.8	38.9	39.1	39.2	39.4	20
21	39.5	39.7	39.8	40.0	40.1	40.3	40.4	40.6	40.7	40.9	21
22	41.0	41.2	41.3	41.5	41.6	41.8	41.9	42.1	42.2	42.4	22
23	42.5	42.7	42.8	43.0	43.1	43.3	43.4	43.6	43.7	43.9	23
24	44.0	44.2	44.3	44.5	44.6	44.8	44.9	45.1	45.2	45.4	24
25	45.5	45.7	45.8	46.0	46.1	46.3	46.4	46.6	46.7	46.9	25
26	47.0	47.2	47.3	47.5	47.6	47.8	47.9	48.1	48.2	48.4	26
27	48.5	48.7	48.8	49.0	49.1	49.3	49.4	49.6	49.7	49.9	27
28	50.0	50.2	50.3	50.5	50.6	50.8	50.9	51.1	51.2	51.4	28
29	51.5	51.7	51.8	52.0	52.1	52.3	52.4	52.6	52.7	52.9	29
30	53.0	53.2	53.3	53.5	53.6	53.8	53.9	54.1	54.2	54.4	30
31	54.5	54.7	54.8	55.0	55.1	55.3	55.4	55.6	55.7	55.9	31
32	56.0	56.2	56.3	56.5	56.6	56.8	56.9	57.1	57.2	57.4	32
33	57.5	57.7	57.8	58.0	58.1	58.3	58.4	58.6	58.7	58.9	33
34	59.0	59.2	59.3	59.5	59.6	59.8	59.9	60.1	60.2	60.4	34
35	60.5	60.7	60.8	61.0	61.1	61.3	61.4	61.6	61.7	61.9	35
36	62.0	62.2	62.3	62.5	62.6	62.8	62.9	63.1	63.2	63.4	36
37	63.5	63.7	63.8	64.0	64.1	64.3	64.4	64.6	64.7	64.9	37
38	65.0	65.2	65.3	65.5	65.6	65.8	65.9	66.1	66.2	66.4	38
39	66.5	66.7	66.8	67.0	67.1	67.3	67.4	67.6	67.7	67.9	39
40	68.0	68.2	68.3	68.5	68.6	68.8	68.9	69.1	69.2	69.4	40

Example—If point is 22.6 ft. above grade, how far should it be from center line to be a slope stake point? Ans. from Table 41.9. For same slopes but other widths of roadbed correct above figures by one-half difference in width of roadbed; thus in example above for 20 ft. roadbed distance will be 41.9 + (20—16) + 2 or 2 ft. added to 41.9 = 43.9. For slopes of 1 on 1 see inside of front cover.

MADE IN U.S.A.