

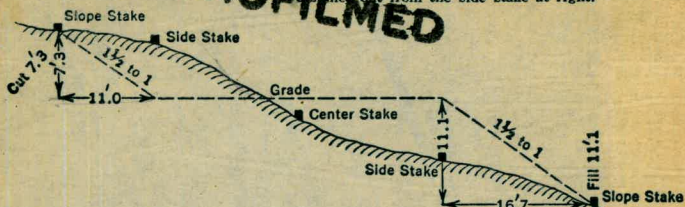
MISSION BAY

48

DISTANCES FROM SIDE STAKES FOR CROSS-SECTIONING

Roadway of any Width. Side Slopes 1½ to 1.

In the figure below, under "Cut or Fill" and under .3 read 11.0, the distance out from the side stake to the center stake. Under .11 read 16.7, the distance out from the side stake to the right.



Cut or Fill	Distance out from Side or Shoulder Stake										Cut or Fill
	0	.1	.2	.3	.4	.5	.6	.7	.8	.9	
0	0.0	0.2	0.3	0.5	0.6	0.8	0.9	1.1	1.2	1.4	0
1	1.5	1.7	1.8	2.0	2.1	2.3	2.4	2.6	2.7	2.9	1
2	3.0	3.2	3.3	3.5	3.6	3.8	3.9	4.1	4.2	4.4	2
3	4.5	4.7	4.8	5.0	5.1	5.3	5.4	5.6	5.7	5.9	3
4	6.0	6.2	6.3	6.5	6.6	6.8	6.9	7.1	7.2	7.4	4
5	7.5	7.7	7.8	8.0	8.1	8.3	8.4	8.6	8.7	8.9	5
6	9.0	9.2	9.3	9.5	9.6	9.8	9.9	10.1	10.2	10.4	6
7	10.5	10.7	10.8	11.0	11.1	11.3	11.4	11.6	11.7	11.9	7
8	12.0	12.2	12.3	12.5	12.6	12.8	12.9	13.1	13.2	13.4	8
9	13.5	13.7	13.8	14.0	14.1	14.3	14.4	14.6	14.7	14.9	9
10	15.0	15.2	15.3	15.5	15.6	15.8	15.9	16.1	16.2	16.4	10
11	16.5	16.7	16.8	17.0	17.1	17.3	17.4	17.6	17.7	17.9	11
12	18.0	18.2	18.3	18.5	18.6	18.8	18.9	19.1	19.2	19.4	12
13	19.5	19.7	19.8	20.0	20.1	20.3	20.4	20.6	20.7	20.9	13
14	21.0	21.2	21.3	21.5	21.6	21.8	21.9	22.1	22.2	22.4	14
15	22.5	22.7	22.8	23.0	23.1	23.3	23.4	23.6	23.7	23.9	15
16	24.0	24.2	24.3	24.5	24.6	24.8	24.9	25.1	25.2	25.4	16
17	25.5	25.7	25.8	26.0	26.1	26.3	26.4	26.6	26.7	26.9	17
18	27.0	27.2	27.3	27.5	27.6	27.8	27.9	28.1	28.2	28.4	18
19	28.5	28.7	28.8	29.0	29.1	29.3	29.4	29.6	29.7	29.9	19
20	30.0	30.2	30.3	30.5	30.6	30.8	30.9	31.1	31.2	31.4	20
21	31.5	31.7	31.8	32.0	32.1	32.3	32.4	32.6	32.7	32.9	21
22	33.0	33.2	33.3	33.5	33.6	33.8	33.9	34.1	34.2	34.4	22
23	34.5	34.7	34.8	35.0	35.1	35.3	35.4	35.6	35.7	35.9	23
24	36.0	36.2	36.3	36.5	36.6	36.8	36.9	37.1	37.2	37.4	24
25	37.5	37.7	37.8	38.0	38.1	38.3	38.4	38.6	38.7	38.9	25
26	39.0	39.2	39.3	39.5	39.6	39.8	39.9	40.1	40.2	40.4	26
27	40.5	40.7	40.8	41.0	41.1	41.3	41.4	41.6	41.7	41.9	27
28	42.0	42.2	42.3	42.5	42.6	42.8	42.9	43.1	43.2	43.4	28
29	43.5	43.7	43.8	44.0	44.1	44.3	44.4	44.6	44.7	44.9	29
30	45.0	45.2	45.3	45.5	45.6	45.8	45.9	46.1	46.2	46.4	30
31	46.5	46.7	46.8	47.0	47.1	47.3	47.4	47.6	47.7	47.9	31
32	48.0	48.2	48.3	48.5	48.6	48.8	48.9	49.1	49.2	49.4	32
33	49.5	49.7	49.8	50.0	50.1	50.3	50.4	50.6	50.7	50.9	33
34	51.0	51.2	51.3	51.5	51.6	51.8	51.9	52.1	52.2	52.4	34
35	52.5	52.7	52.8	53.0	53.1	53.3	53.4	53.6	53.7	53.9	35
36	54.0	54.2	54.3	54.5	54.6	54.8	54.9	55.1	55.2	55.4	36
37	55.5	55.7	55.8	56.0	56.1	56.3	56.4	56.6	56.7	56.9	37
38	57.0	57.2	57.3	57.5	57.6	57.8	57.9	58.1	58.2	58.4	38
39	58.5	58.7	58.8	59.0	59.1	59.3	59.4	59.6	59.7	59.9	39
40	60.0	60.2	60.3	60.5	60.6	60.8	60.9	61.1	61.2	61.4	40

KEUFFEL & ESSER CO., N. Y.

48

SUBGRADES

N 52° 41' 10" W 279.36'

38763⁹⁵ DEF RT. 59'

B.C. MIDWAY CURVE 2000' R } 41+41.87 53 35 09
52 41 10

1° 06' 50" LT 59'

39+26⁹⁶ - Road Head Detail 53° 48' 00"

215.41 To B.C. 52 41 10 ✓
1° 08' 50"

39 26 95
38 63 45 62.25
0 63 01 75
6 03

The paper in this book No. 373A is made of 50% high grade rag stock with a WATER RESISTING surface sizing.

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1-25	SUBGRADE ELEVATIONS FOR VENTURA BLVD.	
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In the
from

Cut 7.2

Cutor
Fill

- 0
- 1
- 2
- 3
- 4
- 5
- 6
- 7
- 8
- 9
- 10
- 11
- 12
- 13
- 14
- 15
- 16
- 17
- 18
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- 21
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- 35
- 36
- 37
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- 39
- 40

THIS IS A COPY OF THE ORIGINAL
 RECORDS OF THE PROJECT AND IS NOT
 TO BE USED FOR ANY OTHER PURPOSE

SUBGRADE ELEV'S VENTURA BLVD.

LEFT 1/4 $\frac{1}{4}$ $\frac{1}{4}$ RIGHT. ①

Sta

2+75

-1.43 -0.83 -0.63 -0.76 -1.09

2+50

-1.53 -0.93 -0.73 -0.86 -1.23

2+25

-1.63 -1.02 -0.82 -0.95 -1.32

2+00

-1.72 -1.11 -0.91 -1.01 -1.12

1+75

-1.82 -1.21 -1.01 -1.19 -1.51

1+50

-1.91 -1.30 -1.10 -1.23 -1.61

1+25

1+00

STA

6.16
-0.66
5.50

LT

1/4

2

1/4

RT.

(2)

4+80

5.50

5.50

5.50

5.50

5.50

51
20

+0.25

+0.20

+0.15

-0.10

-0.36

5.25

5.30

5.35

5.40

5.80

4+62³⁶

-0.35

-0.13

-0.07

-0.06

-0.49

4+32³⁶

-0.85

-0.26

-0.09

-0.17

-0.55

4+25

-0.88

-0.23

-0.08

-0.21

-0.58

4+00

-0.97

-0.37

-0.17

-0.30

-0.67

3+75

-1.07

-0.46

-0.26

-0.39

-0.77

3+50

-1.16

-0.95

-0.35

-0.48

-0.86

3+25

-1.25

-0.69

-0.44

-0.57

-0.95

3+00

-1.34

-0.79

-0.54

-0.67

-1.05

STA

LT.

1/4

1/2

3/4

RT.

(3)

6+75

2.64

2.14

1.64

1.14

0.64

6+50

2.52

2.02

1.52

1.02

0.52

6+25

2.39

1.89

1.39

0.87

0.39

6+00

2.27

1.77

1.27

0.77

0.27

5+82

2.18

1.68

1.18

0.68

0.18

5+62

+2.02

+1.53

+1.05

+0.57

+0.08

5+42

+1.74

+1.30

+0.86

+0.42

-0.02

5+22

+1.33

+0.96

+0.60

+0.74

-0.12

B.C.

5+02

+0.81

+0.55

+0.30

CHECK

+0.02

-0.26

STA

LT

1/4

1/2

3/4

RT

⑨

9+00

3.77

3.27

2.77

2.27

1.77

8+75

3.65

3.15

2.65

2.15

1.65

8+50

3.52

3.02

2.52

2.02

1.52

8+25

3.40

2.90

2.40

1.90

1.40

8+00

3.27

2.77

2.27

1.77

1.27

7+75

3.14

2.64

2.14

1.64

1.14

7+50

3.02

2.52

2.02

1.52

1.02

7+25

2.89

2.39

1.89

1.39

0.89

7+00

2.77

2.27

1.77

1.27

0.77

STA

LT.

1/4

R

1/4

RT

⑤

12+00

3.52 3.02 2.52 2.02 1.52

11+50

3.66 3.16 2.66 2.16 1.66

11+00

3.78 3.28 2.78 2.28 1.78

10+50

3.91 3.41 2.91 2.41 1.91

10+00

4.03 3.53 3.03 2.53 2.03

9+88⁷¹

4.06 3.56 3.06 2.56 2.06

9+68⁷¹

4.07 3.57 3.07 2.57 2.07

9+48⁷¹

4.01 3.51 3.01 2.51 2.01

9+25

3.90 3.40 2.90 2.40 1.90

57A-

LT 1/4 £ 1/4 RT

⑥

14+54¹³

2.00 1.95 1.90 1.40 0.90

14+24¹³

2.30 2.14 1.98 1.48 0.98

E.C.

13+94¹³

2.60 2.27 2.05 1.55 1.05

13+74¹³

2.80 2.90 2.10 1.60 1.15

13+54¹³

2.98 2.51 2.15 1.65 1.15

13+34¹³

3.12 2.61 2.20 1.70 1.20

13+14¹³

3.23 2.75 2.25 1.75 1.25

12+94¹³

3.30 2.80 2.30 1.80 1.30

12+50

3.40 2.90 2.40 1.90 1.40

STA

LT

1/4

E

1/4

RT

②

17+00

1.35

1.85

2.01

1.85

1.35

16+50

1.23

1.73

1.89

1.73

1.23

15+94¹³

1.09

1.59

1.75

1.59

1.09

15+79¹³

1.11

1.56

1.71

1.52

1.07

15+59¹³

1.16

1.53

1.70

1.44

0.99

15+34¹³

1.22

1.50

1.71

1.38

0.94

15+14¹³

1.39

1.47

1.75

1.32

0.89

14+94¹³

1.59

1.69

1.80

1.33

0.86

14+74¹³

1.72

1.82

1.85

1.35

0.86

STA	LT	1/4	2	1/4	RT
21+50	2.98	2.98	3.14	2.98	2.48
21+00	2.35	2.85	3.01	2.85	2.35
20+50	2.23	2.73	2.89	2.73	2.23
20+00	2.10	2.60	2.76	2.60	2.10
19+50	1.98	2.48	2.64	2.48	1.98
19+00	1.85	2.35	2.51	2.35	1.85
18+50	1.73	2.23	2.39	2.23	1.73
18+00	1.60	2.10	2.26	2.10	1.60
17+50	1.48	1.98	2.14	1.98	1.48

STA

LT.

1/4

1/2

3/4

R.T.

9

23+68⁷⁹

1.67

2.68

3.69

4.67

~~.80~~

5.53

23+48⁷⁹

1.79

2.71

3.69

4.95

.71

5.16

23+28⁷⁹

1.97

2.77

3.59

4.17

.00

4.25

22+08⁷⁹

2.21

2.99

3.51

3.82

.21

4.13

22+68⁷⁹

2.38

3.17

3.49

3.97

.04

3.51

?

22+48⁷⁹

2.50

3.16

3.39

3.74

.20

3.19

22+28⁷⁹

2.58

3.15

3.74

3.22

.64

2.86

22+08⁷⁹

2.60

3.11

3.29

3.15

.30

2.65

21+88⁷⁹

2.58

3.08

3.29

3.08

2.58

STA.
 25+72⁶⁹ = END PROJ. NORTH OF BRIDGE

LT 1/4 R 1/4 RT 16 1/2 (10)
 4.58 4.37 4.17 3.98 3.82

25+61⁹³

4.31 4.16 4.16 4.13¹⁰ 4.03

25+41⁹³

3.81 3.96 4.12 4.28¹⁷ 4.95

25+29⁴⁵

3.51 3.62 4.03 4.52¹⁹ 4.71

24+89⁴⁵

2.58 3.28 3.99 4.76⁷⁸ 5.54

24+69⁴⁵

2.11 3.22 3.94 4.87¹⁰¹ 5.88

24+49⁴⁵

1.75 3.03 3.83 4.94¹¹² 6.06

24+29⁴⁵

1.59 2.71 3.84 4.96¹¹³ 6.09

24+08⁷⁴

1.57 2.67 3.79 4.92¹⁰⁷ 5.99

23+88⁷⁴

1.59 2.66 3.74 4.83^{0.98} 5.81



STA

WT.

1/4

R

1/4

RT.

(11)

B.C.
43+57⁰²

2.45 2.80 3.15 3.34 3.52

43+37⁰²

2.46 2.75 3.12 3.17 3.22

43+17⁰²2.78 3.21 3.37 3.34 3.31
2.53 2.96 3.10 3.09 3.06
5.29 5.15 5.46 5.195.55
3.15
.4742+87⁰²2.80 3.21 3.35 3.29 3.11
2.55 2.96 3.10 3.04 2.86
5.70 5.29 8.50 5.21 5.39

2.5

P.R.C.
42+85⁰²2.89 3.22 3.36 3.27 3.03
2.59 2.97 3.11 3.07 2.78
7.66 5.28 5.19 5.21 5.77

2.7

42+77⁰²2.88 3.26 3.39 3.30 3.01
2.61 2.99 3.12 3.03 2.74
5.52 5.24 8.50 5.20 5.99

2.9

42+57⁰²2.93 3.32 3.44 3.32 2.97
2.64 3.02 3.15 3.03 2.68
5.57 5.18 8.50 5.18 5.53B.M. = 4.03
+ 7.47
H.I. = 8.5042+37⁰²3.01 3.38 3.50 3.38 3.01
2.70 3.07 3.19 3.07 2.70
5.19 5.12 8.50 5.12 5.4942+12⁶⁴3.10 3.46 3.58 3.46 3.10
2.77 3.13 3.25 3.13 2.77
5.40 5.04 4.92 5.04 5.40

END PROJ. SOUTH OF TEMP. BRIDGE.

STA

LT

1/4

1/2

3/4

RT

(12)

46+50

3.13

3.51

3.87

4.25

4.62

46+00

3.00

3.38

3.75

4.12

4.49

45+50

2.87

3.25

3.62

4.00

4.37

45+00

2.75

3.13

3.50

3.88

4.25

44+50

2.62

3.00

3.37

3.75

4.12

44+37⁰²

2.59

2.97

3.34

3.72

4.09

44+17⁰²

2.54

2.92

3.27

3.66

4.02

43+97⁰²

2.49

2.87

3.24

3.57

3.90

43+77⁰²

2.46

2.83

3.19

3.47

3.79

STA

50+60²⁷

5.20
1.09
4.11

50+40²⁷

5.20
1.10
4.10

50+20²⁷

5.26
1.12
4.14

50+00²⁷

4.12

49+50

5.40
1.12
4.28

49+00

5.50
1.12
4.38

48+50

3.69

4.01

4.37

4.75

5.12

48+00

3.51

3.88

4.25

4.62

4.29

47+50

3.36

3.74

4.17

4.50

4.87

47+00

3.26

3.63

4.00

4.38

4.75

WT

1/4

1/2

3/4

WT

(13)

4.17

4.54

4.90

5.16

5.43

4.11

4.48

4.85

5.18

5.50

4.06

4.43

4.80

5.16

5.53

4.00

4.38

4.75

5.13

5.50

3.70

4.27

4.63

5.00

5.37

3.77

4.14

4.50

4.88

5.25

3.64

4.01

4.37

4.75

5.12

3.51

3.88

4.25

4.62

4.29

3.36

3.74

4.17

4.50

4.87

3.26

3.63

4.00

4.38

4.75

16.5

37

37

16.5

3.2

3.7

3.7

3.7

3.7

3.7

3.3

3.7

3.7

STA

53+00²⁷

52+60²⁷

52+20²⁷

52+00²⁷

51+80²⁷

51+60²⁷

51+40²⁷

51+20²⁷

51+00²⁷

E.C.

50+80²⁷

L.T. 1/4 L 1/4 R.T.

4.89 5.34 5.50 5.34 4.89

4.76 5.24 5.40 5.24 4.76

4.64 5.14 5.30 5.14 4.64

4.53 5.09 5.25 5.07 4.61

4.53 5.02 5.20 5.28 4.64

4.47 4.93 5.15 5.09³ 4.77

4.61 4.84 5.10 5.10²⁰ 4.90

4.35 4.75 5.05 5.11⁰⁸ 5.03

4.29 4.67 5.00 5.12⁰³ 5.17

4.23 4.59 4.95 5.13¹⁴ 5.30¹⁷

5.26
1.02
4.24

5.23
1.05
4.18

STA

LT

1/4

R

1/4

RT

(15)

56+00

4.60

5.10

5.26

5.10

4.60

55+50

4.72

5.22

5.38

5.22

4.72

55+00

4.84

5.34

5.50

5.34

4.84

54+20

4.92

5.42

5.58

5.42

4.92

54+40

4.99

5.49

5.65

5.49

4.99

54+20

5.03

5.53

5.69

5.53

5.03

54+00

5.04

5.54

5.70

5.54

5.04

53+80

5.03

5.53

5.69

5.33

5.03

53+60

4.99

5.49

5.65

5.49

4.99

53+30

4.91

5.42

5.58

5.42

4.91

4⁹

STA

LT 1/4 E 1/4 RT. (10)

60+50

3.97 3.97 4.13 3.97 3.97

60+00

3.60 4.12 4.26 4.10 3.60

59+50

3.72 4.22 4.38 4.22 3.72

59+00

3.85 4.35 4.51 4.35 3.85

58+50

3.97 4.47 4.63 4.47 3.97

58+00

4.10 4.60 4.76 4.60 4.10

57+50

4.22 4.72 4.88 4.72 4.22

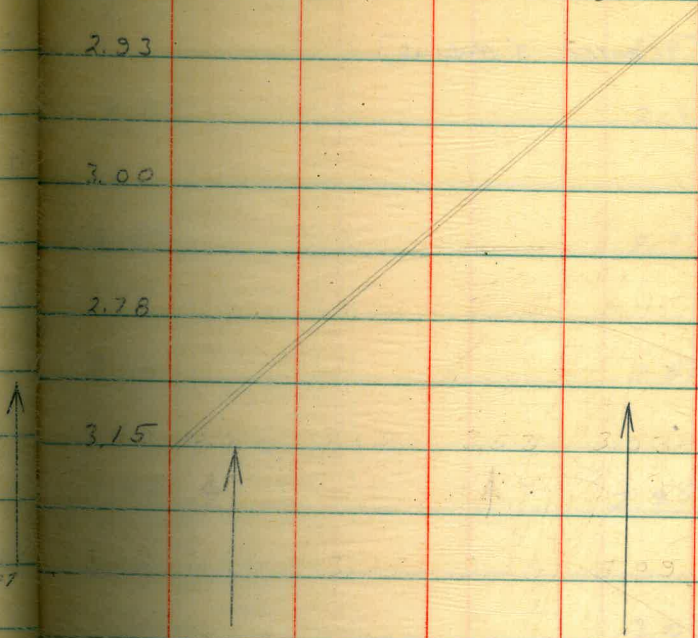
57+00

4.35 4.85 5.01 4.85 4.35

56+50

4.47 4.97 5.13 4.97 4.47

STA	L7	1/4	℄	1/4	T77.
62+75	2.86				3.36
B.C. RIGHT EDGE 43 62+52 (CENTER 3' RADIUS)					3.43
62+50	2.93				
62+25	3.00				
62+00	2.78				
↑ 61+75	3.15				
NORTH TRAFFIC LANE					
R = 192' LEFT EDGE; R = 208' LEFT EDGE					
STATIONS COMPUTED FROM LENGTHS OF ARC OR TAN OF LEFT EDGE OF PAVEMENT - 61+66 = 61+66 VENTURA &					
B. C. OF NORTH CURVE LEFT EDGE					
61+66	3.18	3.68	3.89	3.68	3.18
61+50	3.22	3.72	3.88	3.72	3.22
61+00	3.35	3.85	4.01	3.85	3.35



STA

65+25

P.C.C. 59

64+93

E.C. RIGHT EDGE 66

64+84 (CENTER 3' RADIUS)

64+75

64+50

64+25

64+00

63+75

63+50

63+25

63+00

7.29

LT

1/4

2

1/4

RT

2.29

2.04

5.20

5.10

2.39

2.14

5.10

5.00

2.20

2.29

2.37

2.45

2.57

2.62

2.70

2.78

(8)

12.09

9.04

3.68

3.56

7.29

2.04

5.20

5

4.70

2.50

2.60

2.79

2.87

2.95

3.03

3.12

3.20

3.28

STA

67+53⁸⁷ END OF PROJECT (NORTH)

LT 7 29 1/4

R

1/4

RT.

(19)

1.25

5.99

5.87

1.61

1.36

5.88

5.78

1.70

1.45

5.69

7.39

1.73

1.57

5.60

1.84

1.63

5.51

1.74

1.69

3.95

1.76

1.21

5.03

5.33

5.43

2.04

1.29

5.95

5.75

5.35

2.17

1.88

4.86

5.36

5.21

2.21

1.96

5.28

5.12

67+25

67+00

66+75

66+50

66+33⁰⁴

66+25

66+01³²

65+75

65+50

STA
B.C. 63+92⁶¹ (P.O.C. RIGHT EDGE
B.C. LEFT EDGE)

LT 1/4 E 1/4 RT
2.98 2.23

63+50

3.19 2.44

63+45⁶⁰ (P.O.C. RIGHT EDGE
P.O.T. LEFT EDGE)

3.24 2.46

P.R.C. 32
63+29 P.R.C. R=500' RIGHT EDGE

2.58

63+00

2.77

B.C. 62+66⁰³ B.C. R=500' RIGHT EDGE

2.93

62+55⁴⁹

3.35 3.48 3.62 3.45 2.95

62+25

3.00 3.50 3.69 3.53 3.03

62+00

3.09 3.58 3.75 3.59 3.09

SUBGRADES FOR SOUTH TRAFFIC LANE
STATIONS COMPUTED FROM LENGTHS OF ARC OR TAN. OF RIGHT
EDGE OF PAVEMENT.

STA

LT 1/4 E 1/4 RT

65+92⁹⁷ E.C. LEFT EDGE (CENTER 3' RADIUS)

1.11

65+75

1.21

65+50

1.35

65+25

1.49

65+00

1.63

64+75

1.77

64+50

1.91

64+25

2.05

64+00

2.89

CHECK

STA

12.5'

L7

£

12.5'

R7

(22)

68+00

0.52

67+50

0.91

67+36⁷¹

0.37

E.C. 25
67+29

E.C. RIGHT EDGE

67+22²¹

0.38

66+72⁹⁷

1.07

0.67

66+52⁹⁷

1.28

0.78

66+32⁹⁷

1.49

0.89

66+12⁹⁷

1.70

1.00

STATION	LT	1/4	E	1/4	RT.
71+98 ³¹ END OF PROJ. (SOUTH)					1.31
					(MATCH EXISTING PAVING)
6 71+50					1.26
6 71+00					1.27
6 70+50					1.17
E.C. 69+99 ⁶⁹ E.C. RIGHT EDGE R=600'					0.95
6 69+75					0.89
6 69+50					0.84
6 69+25					0.78
B.C. 68+92 ⁸⁶ B.C. RIGHT EDGE R=600'					0.71
6 68+50					0.63

STA	LT	1/4	℄	1/4	RT.
64+71 ⁹¹	2.02		2.40		2.19
64+54 ⁴⁴	2.15		2.57		2.27
64+25	2.52		2.79		2.51
64+00	2.71		2.98		2.55
63+72 ⁵³	2.78		3.18		2.93
63+52 ⁵³	2.94		3.34		3.09
63+32 ²¹	3.03		3.43		3.26
62+80 ⁰²	3.17		3.57		
62+55 ¹⁹	3.35		3.62		

STA

LT. 1/4 £ 1/4 RT

64+99¹⁷ P.I. OF £ £ ARC-R=2059'

E.C. 10' RADIUS

E.C. 10' RADIUS

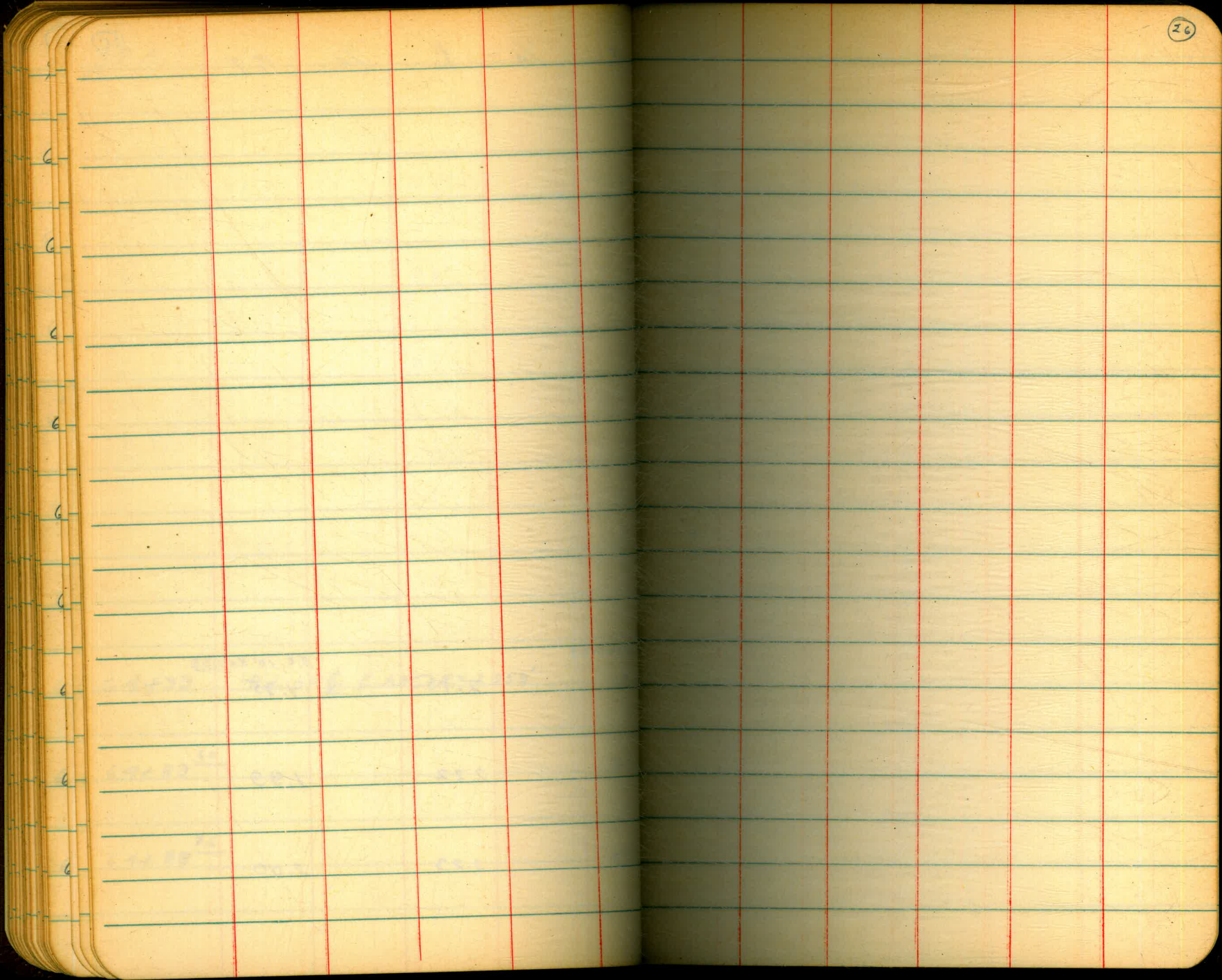
1.71 2.15 1.95

64+89⁶⁰

1.85 2.22 1.99

64+88⁷²

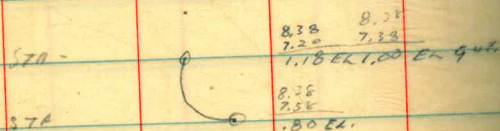
1.89 2.23 2.00



X-SECTIONS OF MIDWAY DRIVE

LOCATION OF BREAKS IN MIDWAY CURBS (DRIVEWAYS)	STA	+	H.I.	-	ELEV	
(5+17) 6+52 } 10+04 } 10+56 } BREAKS IN WEST CURB (DRIVEWAYS)	8.23		8.38		2.15	CITY DATUM
(5+83 ⁵) 7+03 ⁵ } 10+49 ⁵ } 10+89 ⁵ }					4.26	4.12 CURB
					4.91	3.97 GUTTER
(2+14) 2+89 } 4+52 } 5+76 } 5+06 } 10+11 }					4.53	3.85 & MIDWAY
(2+65) 4+13 } 5+22 } 7+96 ⁵ } 9+42 }					4.86	3.52 GUTTER
BREAKS IN EAST CURB (DRIVEWAYS)					4.22	4.16 CURB

2+14 } BREAK 2+89 } BREAK 4+52 } BREAK
2+65 } 4+13 } 5+22 }



STA	+	H.I.	-	ELEV	
		8.38	4.70	3.68	CURB
			5.30	3.08	GUTTER
			5.00	3.38	& MID
			5.53	2.85	GUTTER
			5.38	3.00	T.P. CONC. DRIVE

4+00				6+00						
STA	+	H.I.	-	ELEV	STA	+	H.I.	-	ELEV	
RT-20		8.38			RT-20		8.38		No CURB	
RT-20			6.12	2.26	RT-20			7.29	1.09	GUTTER
℄			5.58	2.80	℄			6.66	1.72	℄ MID
			5.73							
LT-20			4.73	3.15	LT-20			6.67	1.71	GUTTER
			5.10							
LT-20			4.10	4.28	LT-20			6.00	2.38	CURB

5+00				7+00						
STA	+	H.I.	-	ELEV	STA	+	H.I.	-	ELEV	
RT-20'		8.38			RT-20		8.38	7.20	1.18	DIRTY TOP/CURB
RT-20'			6.70	1.68	RT-20			7.37	1.01	GUTTER
℄			6.18	2.20	℄			6.97	1.91	℄ MID
LT-20'			6.21	2.17	LT-20			7.02	1.36	GUTTER
LT-20'			5.59	2.79	LT-20					No CURB

CROSS SECTIONS OF
MIDWAY DRIVE FROM
STA 39+00 THROUGH
STA 54+00 NORTHERLY

STA 39+00

STAMPER
BARRAGAN
SHERRY
WATSON

1-25-50

(37)

STA	+	H.I.	-	ELEV	
B.M.	543	7.56		11.14	CHISEL "H"
				9.01	B.M. ON WEST CURB 15' NORTH OF END OF PROJ.
				2.13	2.8163 CITY DATUM
RT-20					No CURB
RT-20			6.27	1.29	GUTTER
L			5.90	1.66	L
RT-20			6.01	1.55	GUTTER
LT-20			5.38	2.18	CURB

STA. 40+00

STA	+	H.I.	-	ELEV	
RT-20		7.56	5.54	2.02	TOP CURB
RT-20			6.18	1.38	GUTTER
L			5.69	1.87	L MID
LT-20			5.77	1.79	GUTTER
LT-20			5.15	2.71	TOP CURB

STA 41700

STA 42400

STA	+	H.I.	-	ELEV	STA	+	H.I.	-	ELEV
RT-20		7.56	5.90	2.16 CURB	RT-20		7.56	5.61	1.92 CURB
RT-20			6.05	1.51 GUT	RT-20			6.15	1.41 GUT
℄			5.53	2.03 ℄	℄			5.63	1.93 ℄ MID
LT-20			5.63	1.93 GUT	LT-20			5.67	1.89 GUT
LT-20			4.97	2.59 CURB	LT-20			5.06	2.50 CURB

STA 4141⁸⁷ (B.C. OF 2000) ^{℄ R} Mid. Cur.

STA 42450

STA	+	H.I.	-	ELEV	STA	+	H.I.	-	ELEV
RT-20		7.56	5.40	2.16 CURB	RT-20		7.56	5.63	1.93 CURB
RT-20			6.01	1.55 GUT	RT-20			6.24	1.22 GUT
℄			5.43	2.13 ℄	℄			5.59	1.97 ℄
LT-20			5.50	2.06 GUT	LT-20			5.66	1.90 GUT
LT-20			4.88	2.68 CURB	LT-20			5.10	2.46 CURB

STA. 43400

STA	T	H.I.	-	ELEV	
RT-20		7.56	5.64	1.92	CURB
RT-20			6.27	1.29	GUT
R			5.65	1.91	R
LT-20			5.68	1.88	GUT
LT-20			5.06	2.50	CURB

STA. 43450

STA	T	H.I.	-	ELEV	
RT-20		7.56	5.70	1.86	CURB
RT-20			6.36	1.20	GUT
R			5.73	1.83	R
LT-20			5.68	1.88	GUT
LT-20			5.01	2.55	CURB
T.P		7.56	5.13	2.43	

(R.P.) T.P. 300
WEST
CURB
LEAD
TACK

5.13

1-25-50

(39)

STA. 44400

STA	T	H.I.	-	ELEV		PLUG STA
RT-20	4.45	6.88		5.05	1.83	CURB
RT-20				5.72	1.16	GUT
R				5.10	1.78	R
LT-20				5.08	1.80	GUT
LT-20				4.98	2.40	CURB

STA. 44450

STA	T	H.I.	-	ELEV	
RT-20		6.88	5.30	1.58	CURB
RT-20			5.86	1.02	GUT
R			5.14	1.74	R
LT-20			5.13	1.75	GUT
LT-20			4.98	2.40	CURB

STA. 45+00

STA 46+00

STA	T	H.I.	-	ELEV	
RT-20		6.88	5.18	1.70	CURB
RT-20			5.81	1.09	GUT
℄			5.19	1.69	℄
LT-20			5.18	1.70	GUT
LT-20			4.55	2.33	CURB

STA	T	H.I.	-	ELEV	
RT-20		6.88	5.38	1.50	CURB
RT-20			6.02	0.86	GUT
℄			5.31	1.57	℄
LT-20			5.21	1.66	GUT
LT-20			4.54	2.34	CURB

STA. 45+50

STA. 46+50

STA	T	H.I.	-	ELEV	
RT-20		6.88	5.32	1.56	CURB
RT-20			5.25	0.93	GUT
℄			5.30	1.58	℄
LT-20			5.30	1.58	GUT
LT-20			4.54	2.34	CURB

STA	T	H.I.	-	ELEV	
RT-20		6.88	5.16	1.72	CURB
RT-20			6.03	0.85	GUT
℄			5.29	1.59	℄
LT-20			5.24	1.64	GUT
LT-20					No CURB

STA. 47700

STA. 48400

STA	T	H.L.	-	ELEV
RT-20		6.88	5.52	1.36 CURB
RT-20			6.08	0.80 GUT
R			5.29	1.59 R
LT-20			5.35	1.53
LT-20				

STA	T	H.L.	-	ELEV
RT-20		6.88	5.67	1.21 CURB
RT-20			6.30	0.58 GUT
R			5.51	1.37 R
RT-20			5.95	1.93
RT-20			5.90	1.08

OLD
EDGE OF
GUT
EDGE OF
A.C. NEW

STA. 48450

STA. 47750

STA	T	H.L.	-	ELEV
RT-20		6.88	5.55	1.33
RT-20			6.23	0.65
R			5.39	1.49
LT-20			5.42	1.76
LT-30			5.62	1.26

STA	T	H.L.	-	ELEV
RT-20		6.88	5.63	1.25
RT-20			6.34	0.54
R			5.61	1.27
RT-20			5.52	1.36
RT-20			5.96	0.92

OLD
MIDGUT

WEST EDGE
NEW A.C.

Beginning Widening @ Intersection with Ventura Bl.

STA 49+00

STA	+	H.I.	-	ELEV	
RT-20		6.88	5.80	1.08	CURB
RT-20			6.53	0.35	GUT
ℓ			5.67	1.21	ℓ
LT-20			5.60	1.28	OLD MID
LT-90'			6.03	0.85	W/EDGE NEW
T.P			5.06	1.82	ℓ

STA 50+00

STA	+	H.I.	-	ELEV	
RT-20		7.00	5.83	1.17	CURB
RT-20			6.46	0.54	GUT
ℓ			5.71	1.29	ℓ
LT-20			5.68	1.32	OLD MID
LT-			6.30	0.70	W/EDGE NEW

STA 49+50

STA	+	H.I.	-	ELEV	
T.P	5.18	7.00		1.82	T.P
RT-20			5.92	1.08	ℓ
RT-20			6.59	0.96	OLD MID
ℓ			5.73	1.27	GUT
LT-20			5.62	1.38	W/EDGE
LT-20			6.30	0.70	NEW A.C.

STA 50+50

STA	+	H.I.	-	ELEV	
RT-20		7.00	5.86	1.14	CURB
RT-20			6.48	0.92	GUT
ℓ			5.65	1.35	ℓ
LT-20			5.57	1.93	OLD MID
LT-20			6.44	0.56	W/EDGE

STA 51400

STA	+ H.I.	-	ELEV	
RT-20	7.00	5.22	1.28	CURB
RT-20		6.39	0.66	CUT
ℓ		5.59	1.91	ℓ
RT-20		5.52	1.98	ℓ
LT-47		6.21	0.79	ℓ

STA 51450

STA	+ H.I.	-	ELEV	
RT-20	7.00	5.65	1.35	CURB
RT-20		6.28	0.72	CUT
ℓ		5.51	1.96	ℓ
LT-20		5.52	1.98	CUT
LT. 58		5.97	1.03	

STA 52400

STA	+ H.I.	-	ELEV	
RT-20	7.00	5.62	1.38	CURB
RT-20		6.26	0.79	CUT
ℓ		5.96	1.54	ℓ

STA 52450

STA	+ H.I.	-	ELEV	
RT-20	7.00	5.56	1.44	CURB
RT-20		6.21	0.79	CUT
ℓ		5.49	1.51	ℓ

STA 53+00

STA	+ H.I.	-	ELEV
RT-20	7.00	5.61	1.39
RT-20		6.24	0.76
ℓ		5.55	1.95

STA 53+50

STA	+ H.I.	-	ELEV
RT-20	7.00	5.96	1.54
RT-20		6.08	0.92
ℓ		5.38	1.62
B.M.		5.39	1.61

S/W COR. OF BASE OF
LAMP POST N° 4575
ELEV = 10.64
9.01
1.63

STA 54+00

STA	+ H.I.	-	ELEV
RT-20	7.00	5.44	1.56
RT-20		6.12	0.88
ℓ		5.37	1.63

STAMPER
BARRAGAN
WATSON
SHERAY

1-20-50

74

C-1913
~~5.44~~

GUT

3.25

1-31-50

BARRAGAN
WATSON
SHERRY

(96)

PROFILE ALONG & OF MIDWAY DRIVE

STA	+	H.I.	-	ELEV	STA	+	H.I.	-	ELEV	STA-23+00
T.B.M	2.52	13.31		10.79	T.P	5.10	15.12		10.02	2
T.B.M			4.08	9.23	24+00				4.94	10.18
T.B.M.	4.81	14.04		9.23	25+00				4.92	10.20
10+00			5.38	8.66	26+00				4.89	10.23
11+00			4.74	9.30	27+00				4.90	10.22
12+00			4.30	9.74	28+00				4.85	10.27
T.P				9.72	29+00				4.86	10.26
13+00	5.39	15.12	4.32	9.72	T.P					
14+00			5.26	9.86	30+00				4.91	10.21
15+00			5.18	9.94	T.P	3.66	14.07			10.21
16+00			4.83	10.29	31+00				3.75	10.32
17+00			4.69	10.43	32+00				3.62	10.45
T.P				10.41	33+00				3.63	10.44
18+00			4.66	10.41	34+00				3.67	10.40
T.P	4.42	14.88		10.46	35+00				3.63	10.44
19+00			4.50	10.38	36+00				3.60	10.44
20+00			4.58	10.30	37+00				3.74	10.33
21+00			4.73	10.15	38+00				3.85	10.22
22+00			7.95	9.93	39+00				3.84	10.23
T.P				10.02	40+00					
23+00			4.86	10.02						

STP	+	H.L.	-	FLEX
31+00		14.07	3.62	10.75
T.P			3.63	10.44
32+00				10.44
T.P	5.11	15.55		10.44
33+00			5.17	10.38
34+00			5.15	10.90
35+00			5.25	10.30
B.C			5.39	10.16
35+70 ⁰⁹			5.40	10.15
T.P	5.21	15.37		10.16
36+00			5.23	10.14
+25			5.28	10.09
+50			5.32	10.03
+75			5.31	10.06
37+00			5.24	10.13
			5.13	10.27
				11.18
B.M			4.19	11.14

FINAL X-SECTIONS MIDWAY DRIVE

BRIDGE DETOUR

PX

10700

DIST	+	H.I.	-	ELEV
B.M.	5.03	19.26		9.23
W/	41	26	19.3	6.1 8.2
	35	20		7.2 7.1
	30	15		6.9 7.9
	15	0		5.88 8.38
	15	15		5.88 8.38
	22	22		5.9 8.4
	25	25		5.5 8.8
	45			5.2 9.1
	62			6.3 8.0

5.88
6.4-15
7.2-20
6.1-26

(5.20)

37-67 1-31-50
22-69
14-62
10-60

(48)

11700

DIST	+	H.I.	-	ELEV	PX
38		19.26	6.2	8.1	
34			6.2	8.1	
33			5.6	8.7	
25			5.5	8.8	
15			5.10	9.06	
15			5.29	9.02	
25			6.0	8.3	
29			6.6	7.7	
37			6.9	7.4	
42			6.7	7.6	

12+00

PX					
DIST	+	H.L.	-	ELEV	
W/ 92	27	3 14.26	6.3	8.0	
31	15		6.3	8.0	
26	"		5.3	9.0	
15	0		4.75	9.51	
E/ \$	0		4.70		
15	11		4.70	9.36	
26	16		5.1	9.2	
31	20		5.3	9.0	
35	32		6.6	7.7	
47			6.5	7.7	

13+00

PX					
DIST	+	H.L.	-	ELEV	
E/ 47	32	3 14.26	6.7	7.6	
30	15		6.7	7.6	
25	10		5.1	9.2	
15	0		4.75	9.51	
E/ \$	0				
15	10		4.80	9.46	
15	15		5.2	9.1	
30	18		7.2	7.1	
21	31		7.0	7.3	
16			7.0	7.3	
IP			5.12	9.18	
			9.14		

CORR - 9.18

"KI" OPPOSITE
13+00 (WEST)

		14+00		75.78 9.18 14.96	
PX				ELEV	
DIST	+	H.I.	-		
		14.96		9.18	
T.P	5.78	14.92		9.14	
W/	30				
45	15	15.0	7.3	7.7	
30	12		7.3	7.7	
27	11		5.9	9.1	
26	0		5.8	9.2	
15			5.38	9.58	
				7	
E/	0				
15	10		5.62	9.34	
25	13		5.8	9.20	
28	16		6.3	8.7	
31	29		7.8	7.2	
44			7.7	7.3	

		15+00		1-31-50	
PX					(50)
DIST	+	H.I.	-	ELEV	
		14.92	7.5	7.5	
	30				
	15	14.96	7.9	7.1	
	10	15.0	5.9	9.1	
	0		5.9	9.1	
			5.20	9.66	
				5.20	9.76
				5.5	9.5
				5.6	9.4
				7.6	7.4
				7.7	7.3

16+00

DX

DIST	H. I.	ELEV
32	14.92	7.3
17	14.96	7.5
11	15.0	7.5
0	5.04	9.92
0	5.01	9.95
10	5.5	9.5
13	5.9	9.1
16	7.7	7.3
30	7.8	7.2

17+00

DX

DIST	H. I.	ELEV
28	14.92	7.7
17	14.96	7.5
13	15.0	7.6
10	5.10	9.46
0	4.82	10.14
0	4.81	10.15
12	5.2	9.8
15	5.2	9.8
20	7.4	7.6
25	7.6	7.4
30	5.90	9.02

CORR. CORR. ON 18" ANGLE.
35' 11" 17+00

DIST	+	H.I.	-	ELEV	CORR DATA
		18+00		9.07	
P.T.P.	5.32	14.34		9.02	
W/ 43		14.39	2.5	6.9	
33		14.9	4.7	9.7	
29			4.3	10.1	
25			4.0	10.4	
15			4.26	10.13	
R					
E/ 15			4.26	10.13	
25			4.5	9.9	
28			5.0	9.4	
33			7.5	6.9	
43			7.3	7.1	

1-31-50

(52)

DIST	+	H.I.	-	ELEV
		19+00		
45		14.34	7.8	6.6 7.6
33		14.39	7.5	6.9 7.9
29		14.9	5.4	9.0
25			4.8	9.6
15			4.41	9.98
R				
E/ 15			4.21	10.18
25			4.5	9.9
28			4.6	9.8
32			4.8	9.6
27			7.1	7.3
29			7.6	6.8

20+00

DIST	H.I.	ELEV
W 43' ²⁸	14.34	8.0
40' ²⁵	14.39	7.6
31' ¹⁶	14.4	5.5
28' ¹³		5.6
25' ¹⁰		4.9
15' ⁰		4.35
		10.04
R		
E 15' ⁰		4.41
25' ¹⁰		4.7
29' ¹⁴		5.1
33' ¹⁸		7.3
48' ³³		7.9

21+00

DIST	H.I.	ELEV
52' ²⁷	14.34	7.7
33' ¹⁸	14.39	2.3
29' ¹⁴	14.4	5.0
25' ¹⁰		4.7
15' ⁰		4.41
15' ⁰		4.48
25' ¹⁰		4.9
28' ¹³		5.6
31' ¹⁷		5.6
37' ²²		7.7
48' ²³		8.1

22+00

23+00

PX

DIST	H.I.	ELEV
45	14.34	8.0 6.4
40	14.39	8.0 6.4
32	14.4	5.9 8.5
29		6.3 8.1
25		5.2 9.2
15		4.73 9.66
15		4.78 9.61
25		5.0 9.4
31		5.3 9.1
35		2.5 6.9
54		7.6 6.8
T.P.		470 9.71 # 9.64

DIST	H.I.	ELEV
T.P	4.57	9.71 9.64
48'	14.28	8.0 6.3
36'	14.3	7.8 6.5
31'		4.9 9.4
25'		4.6 9.7
15'		4.50 9.78
15'		4.47 9.81
17'		4.7 9.6
23'		5.2 9.1
29'		6.0 8.3
31'		7.8 6.5
34'		8.0 6.3

PX 24+00

D. ST	+	H. I.	-	FL
47	32	14.21	8.1	6.2
41	26	14.28	7.7	6.6
33	18	14.3	5.9	8.9
29	14		5.9	8.9
25	10		4.9	9.4
15	0		4.46	9.82
15	0		4.43	9.85
26	11		4.7	9.6
30	15		4.9	9.4
34	19		7.7	6.6
49	34		8.0	6.3

25+00 PX

D. ST	+	H. I.	-	ELEV
52	37	14.21	8.1	6.2
35	20	14.28	7.2	7.1
30	15	14.3	3.8	10.5
25	10		4.0	10.3
15	0		4.18	10.10
15	0		4.08	10.10
15	0		4.19	10.09
25	10		4.5	9.8
21	16		4.7	9.6
34	19		7.2	6.1
34	24		7.7	6.6

26+00

PX			H. I.	-	ELEV
Dist	28	+			
W/	43		14.21	7.8	6.5
	23		14.28	7.5	6.8
	17		14.3	6.6	7.7
	12			6.2	8.1
	08			4.9	9.4
	0			4.70	9.58
	15				
	15			3.57	10.71
	10			3.2	11.1
	16			3.3	11.0
	23			7.7	6.6
	37			7.8	6.5

B.C. 27+04 ⁸⁸
27+00

1-31-50

(56)

PX

PX			H. I.	-	ELEV
Dist	35	+			
W/	50		14.21	7.6	6.7
	22		14.28	7.6	6.7
	9		14.3	2.7	11.6
	10				
	0			2.6	11.7
	15			3.10	11.18
	15				
	15			5.22	9.06
	10			5.7	8.6
	7			6.0	8.3
	12				
	40			3.6	4.7
	40			5.82	8.39

Shooght
CORR. 8.49
W/SIDE
#2

DIST	+	H.L.	-	ELEV
		27+50		
				8.49
TP	5.40	13.99		8.39
W/	36			
51		13.89	9.2	4.7
	29			
39		13.9	7.5	6.4
	16			
31			5.8	8.1
	12			
27			5.2	8.7
	10			
25			5.2	8.7
	0			
15			4.83	9.06
15				
E/	0			
15			2.58	11.31
	10			
25			1.9	12.0
	17			
32			2.1	11.8
	25			
40			7.0	6.9
	40			
55			7.1	6.8

DIST	+	H.L.	-	ELEV
		28+00		
E/	19			
59		13.99	7.4	6.5
	27			
72		13.89	7.0	6.9
	18			
33		13.9	1.7	12.2
	10			
25			1.9	12.0
	0			
15			2.92	11.77
15			4.82	9.07
	10			
15			5.1	8.8
	13			
19			4.5	9.9
	20			
35			5.3	8.6
	20			
45			9.0	4.9

PX		28450		
DIST	+	H.I.	-	ELEV
W/ 50'	35	13.99	9.3	4.6
41'	26	13.89	8.1	5.8
31'	16	<u>13.9</u>	7.9	9.0
25'	10		5.1	8.8
15'	0		4.80	9.09
E				
E/ 15'	0		2.76	11.93
25'	10		1.8	12.1
31'	16		2.1	11.8
39'	24		7.2	6.7
54'	39		7.5	6.4

PX		29400		
DIST	+	H.I.	-	ELEV
W/ 52'	37	13.99	7.6	6.3
40'	25	13.89	7.5	6.4
31'	16	<u>13.9</u>	1.7	12.2
25'	10		1.7	12.2
15'	0		2.40	11.49
E				
E/ 15'	0		4.77	9.12
25'	10		4.9	9.0
31'	16		4.6	9.3
39'	24		6.9	7.0
54'	39		7.4	6.5

1-31-50

(58)

B.C. 29+66 ⁶⁸

FX

29+30

DIST	+	H.I.	-	ELEV
W/39	24	13.79	7.4	6.5
31	16	13.89	5.7	8.2
28	13	13.9	5.1	8.8
25	10		5.2	8.7
15	0		4.89	9.00
E/15	0		2.72	11.17
25	10		2.0	11.9
32	17		2.1	11.8
40	25		2.6	6.3
54	39		2.5	6.4

DIST	+	H.I.	-	ELEV
54	39	13.89	7.6	6.3
40	25	13.9	7.5	6.4
28	13		2.4	11.5
25	10		2.4	11.5
15	0		2.76	11.13
E/15	0		4.86	9.03
25	10		5.3	8.6
29	14		5.3	8.6
33	18		6.1	6.8
41	22		7.4	6.5
45	30		7.6	6.3

PX 30+00

DIST	+	H.I.	-	ELEV
45	30	43.99	7.6	6.3
37	22	13.89	7.4	6.5
32	17	13.9	5.4	8.5
25	10		5.1	8.8
15	0		4.71	9.18
			2.8	11.1
15	0		2.89	11.00
25	10		2.7	11.2
32	17		3.3	10.6
40	25		7.4	6.5
55	40		7.5	6.4

1-31-50 (60) 31+00 PX

DIST	+	H.I.	-	ELEV
50	15	43.99	7.6	6.3
37	22	13.89	7.8	6.1
28	13	13.9	3.4	10.5
25	10		3.3	10.6
5	0		3.30	10.59
15	0		4.03	9.86
25	10		4.3	9.6
37	12		4.8	9.1
35	10		6.3	7.6
45	10		7.9	6.0

32100

PX

W	DIST	+	H.I.	-	ELEV.
	30		13.79	7.9	6.0
	18		13.89	15.5	8.4
	13		13.9	4.4	9.5
	10			4.2	9.7
	8			3.89	10.05
	0				
	0			3.66	10.23
	10			3.8	10.1
	13			3.9	10.0
	20			7.7	6.2
	30			7.7	6.2

33100

1-31-50

PX

(1)

	DIST	+	H.I.	-	ELEV.
	30		13.79	8.0	5.9
	20		13.89	7.7	6.2
	10		13.9	4.0	9.9
	0			3.88	10.01
	0				
	15			3.72	10.17
	10				
	25			3.9	10.0
	15			4.0	9.9
	20			6.0	7.9
	25			6.1	7.8
	30			7.7	6.2
	0			3.75	10.17
	0				40.04

COFFER #1

34+00

DIST	+	H.I.	-	ELEV
T.P.	5.12	45.16		10.17 40.04
W/ 45	30	15.29	9.0	6.3
42	27	15.3	7.9	7.4
35	20		5.6	9.7
31	16		5.2	10.1
25	10		3.1	10.2
15	0		5.16	10.13
Ø			5.16	
E/ 15	0		5.15	10.14
25	10		5.7	9.6
30	15		6.3	9.0
35	20		9.1	6.2
45	30		9.2	6.1

35+00

DIST	+	H.I.	-	ELEV
45	30	45.16	9.1	6.2
35	20	15.29	9.1	6.2
30	15	15.3	6.6	8.7
25	10		5.8	9.5
15	0		5.30	10.0
Ø				
15	0		5.07	10.22
25	10		5.1	10.2
32	17		5.2	10.1
41	26		7.5	7.8
50	35		9.5	5.8
TBM			9.22	

15.16
10.14
4.02
15.16
4.22
10.94

9.22
4.02
5.20

3+70 1-31-50

(62)

35+70

PX
DIST + H.I. - ELEV

T.B.M 4.42 15.56⁶ 11.14

W/ 45³⁰ 15 5.5 10.1

40²⁵ 5.2 10.4

25¹⁰ 5.2 10.4

15⁰ 5.4 10.2

Q
R

15⁰ 5.84 9.72

25¹⁰ 6.2 9.4

29¹⁴ 6.3 9.3

35²⁰ 9.8 5.8

42²⁷ 11.0 4.6

43²⁸ 9.1 6.5

45³⁰ ~~11.9.6~~ 6.0

1-31-50

(3)

36+00

PX

DIST + H.I. - ELEV

45³⁰ 15.56⁶ 9.4 6.2

33¹⁸ 9.2 6.4

28¹³ 6.8 8.8

25¹⁰ 6.2 9.4

15⁰ 5.90 9.66

Q
R

15⁰ 5.40 10.16

25¹⁰ 5.3 10.3

25²⁰ 5.5 10.1

36+50

Dist	H.I.	Elev
15	15.56	5.48
15		5.94
25		6.12
28		6.7
33		9.2
E 45		9.7

37+00

Dist	H.I.	Elev.
45	15.56	10.08
35		10.0
28		9.8
25		6.4
15		5.9
		5.64

PX

37+50

DIST	+	H. 1.	-	ELFV
E/45	30	14.6		
		15.56		
			10.0	5.6
35	20			
			10.	5.6
27	12			
			5.8	9.8
15	0			
			5.45	10.11

1-31-50

(65)

38+00

DIST	+	H. 1.	-	ELFV
E/45	30	15.56		
			10.0	
37	22			
				9.9
29	14			
				3.1
25	10			
				5.7
15	0			
				5.20

38+31.39

EXP DETOUR

DIST	+	H.I.	-	ELEV
45	30	15.56	10.1	
37	21		9.9	
30	15		5.6	
25	10		5.1	
20	5		5.36	
15	0		OLD PAVEMENT	

R

11.14	11.14	13-	9.14
7.34	7.76		
15.48	15.50		
5.31	5.25		
10.17	10.25	14.87	10.18
3.74	7.462	4.69	10.09
13.91	14.87	10.18	.14
	13.91		
	5.42		
	8.49	9.18	
	6.01	5.10	
	14.50	14.28	
	4.79		
	9.71		
	4.98		
	4.69		
	5.62		
	9.07		
	5.85		
	14.92		
	5.74		
	9.18		

CHECK LEVELS

STAMPER
BARBARA
WATSON
SHERY
ELEV

1-31-50

(26)

STA	+	H.I.	-	ELEV
T.B.M.	4.12			11.14
T.B.M.	7.36	15.50		11.14
T.P.	4.62	14.87	5.25	10.25
CHECK			PREV-10.09	#1
T.P.			4.69	10.18
T.B.M.	7.34	15.48		11.14
T.P.	3.74	13.91	5.31	10.17
T.P.	6.01	14.50	6.42	8.49
T.P.	4.98	14.69	4.79	9.71
T.P.	5.85	14.92	5.62	9.07
T.P.	5.10	14.28	5.74	9.18
B.M.				
PERSON			5.02	9.26

EXP PROJ

W/CLAR

(PREV) 10.09

10.17

(PREV) 8.39

8.49

(PREV) 9.64

9.71

(PREV) 9.02

9.07

(PREV) 9.14

9.18

CORR. CHECK

B.M. 2" PIPE
ON FLOW FLOOD
CHANNEL

7+22⁸⁵

SITUATION & TOPO SURVEY OF PROPOSED
APPROACH TO NEW LOCATION OF MARENAST. BRIDGE

STA	DIST.	AZIM	ROD	ELEV
112.62				
T.C	D	AZIM TO "C" = 258° 10'		
T.B.M	H.I. = 25.30		H.70	23.60
1	1.64	246° 55'	2.89	
2	1.61	249° 20'	2.66	22.69
3	1.49	257° 35'	2.44	
4	1.48	259° 05'	2.48	
5	1.60	267° 20'	2.72	
6	1.58	270° 15'	3.24	
7	1.64	276° 45'	8.8	
8	1.67	241° 00'	9.3	
9	1.17	283° 10'	8.9	
10	1.12	275° 30'	4.24	
11	1.09	271° 45'	3.90	
12	1.06	259° 30'	3.69	
13	1.06	257° 18'	3.60	
14	1.11	245° 15'	3.91	21.39
15	1.13	241° 10'	4.33	
16	1.16	234° 30'	8.9	

"C" N 73° 18' E "D"
180
258 18

(68)

TOP SURVEY OF END OF CURB

S. Edge of Shoulder

S. Edge of Pavement

S. Gutter } Center

N. Gutter

N. Edge Pavement

N. Edge Shoulder

N. Toe Slope

S. Toe Slope

N. Toe Slope

N. Edge Shoulder

N. Edge Pavement

N. Gutter

S. Gutter

S. Pavement

S. Toe Slope

Sta	Dist	Azim	Rod	Elev
17	76	223° 05'	8.9	
18	72	230° 40'	5.17	
19	67	236° 45'	4.75	20.55
20	63	256° 20'	4.49	
21	63	260° 25'	4.51	
22	67	280° 30'	4.76	
23	70	286° 20'	5.20	
24	75	296° 05'	9.0	
25	49	327° 20'	9.2	
26	37	319° 55'	5.75	
27	31	313° 15'	5.38	
28	17	265° 35'	5.13	
29	17	255° 55'	5.12	
30	31	203° 43'	5.40	19.90
31	38	196 45	5.68	
32	46	190 20	8.5	

Toe of S. Slope
 S. Edge Shoulder
 S. " Pavement
 S. " Gutter } Center
 N. " Gutter }
 N. " Pavement
 N. " Shoulder
 N. Toe Slope
 N. " "
 N. Edge Shoulder
 N. " Pavement
 N. Gutter
 S. "
 S. Edge Pavement
 S. " Shoulder
 S. Toe Slope

Sta	Dist	Azim	Rod	Elev	
33	51	136° 15'	8.8		Toe Slope
34	43	129° 25'	5.91		Edge Shoulder
35	37	121° 15'	5.89	10.4	S " Pavc
36	27	82° 40'	5.56		S - B
37	28	74° 05'	5.56		N B
38	38	36° 25'	5.82		N Edge P
39	44	29° 45'	6.20		N " S
40	54	19° 20'	9.6		N Toe Slope
41	85	46° 10'	10.4		N " "
42	79	53° 40'	6.42		N Edge S
43	77	59° 10'	6.09		N " T
44	72	76° 30'	5.82		N Gutter } Center
45	72	79° 55'	5.81		S " }
46	76	97° 50'	6.11	19.19	S Edge P
47	78	103° 50'	6.16		S " S
48	83	108° 35'	8.7		S Toe Slope

Sta	Dist	Azim	Prod	Elev
49	125	98° 45'	8.6	
50	122	94° 20'	6.25	
51	120	90° 20'	6.20	19.10
52	119	79° 15'	5.89	
53	117	77° 05'	5.89	
54	121	66° 10'	6.15	
55	124	67° 35'	6.45	
56	127	58° 00'	9.8	
57	169	63° 00'	8.8	
58	167	66° 35'	6.04	
59	166	69° 12'	6.00	
60	163	77° 15'	5.77	
61	162	79° 02'	5.75	
62	164	87° 08'	6.03	19.27
63	163	90° 02'	6.25	
64	166	93° 00'	8.4	
65				

(71)

S. Toe Slope
S. Edge Shoulder
S. " Pavement
S. Gutter } Center
N. " }
N. Edge Pavement
N. " Shoulder
N. Toe Slope
N. " "
N. Edge Shoulder
N. " Pavement
N. Gutter } Center
S. " }
S. Edge Pavement
S. " Shoulder
S. Toe Slope

Sta	Dist	Azimuth	Red	Flav
66	211	89° 45'	7.8	
67	209	87° 35'	5.80	
68	207	85° 15'	5.70	19.60
69	206	78° 50'	5.40	
70	207	77° 12'	5.46	
71	209	70° 45'	5.70	
72	211	68° 40'	5.83	
73	212	65° 55'	8.6	
74	256	67° 50'	8.3	
75	254	69° 58'	5.25	
76	257	71° 45'	5.10	
77	256	77° 03'	4.85	
78	253	78° 43'	4.85	
79	154	84° 02'	5.15	20.15
80	253	85° 52'	5.50	
81	258	87° 53'	8.4	

S. Toe Slope
 S. Edge Shoulder
 S. " Pavement
 S. Gutter } Center
 N. " }
 N. Edge Pavement
 N. " Shoulder
 N. Toe Slope
 N. " "
 N. Edge Shoulder
 N. Edge Pavement
 N. Gutter } Center
 S. " }
 S. Edge Pavement
 S. " Shoulder
 S. Toe Slope

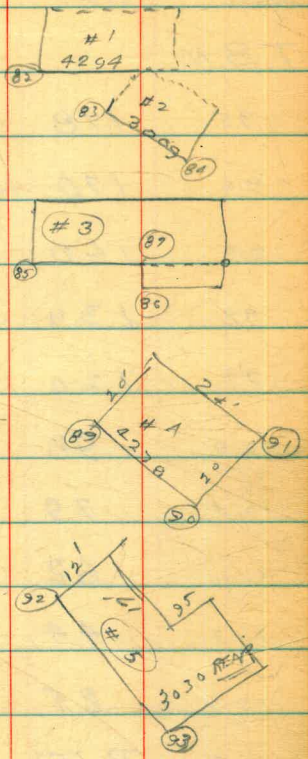
Sta	Dist	Azimuth	ROD	ELEV
✓ 82	177	97° 28'		
✓ 83	152	101° 33'		
✓ 84	129	106° 14'		
✓ 85	119	112° 02'		
✓ 86	109	123° 55'		
✓ 87	113	123° 55'		
88	115	131° 30'		
✓ 89	104	162° 25'		
✓ 90	86	171° 30'		
91	63	179° 27'		
✓ 92	102	203° 37'		
93	100	219° 52'		

LEVELS -	H1	ROD	ELEV
T.P.	25.30	- 9.36	15.94
⊙ T.P.	184'	140°	14'
	208	140°	14'
	213'		

+25

+84
-25
209

N.E. Cor Bldg #1
 N.E. Cor " #2
 N.W. Cor " #2
 N.E. Cor " #3
 Jog Lft
 N.W. Cor " #3
 INSIDE JOG #3
 N.W. COR HOUSE PROPER #3
 S.E. COR #4
 N.E. COR #4
 N.W. COR #4
 N.E. COR Bldg #5
 N.W. COR Bldg #5

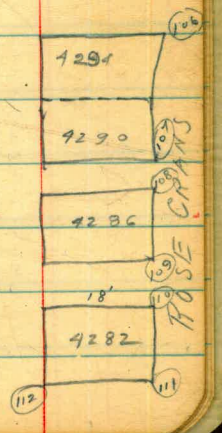


2" x 2" HUB @ SOUTH LINE INTERSECTIONS ALONG PROJECTION OF "D" TO "E" LINE
 STA. "B" @ INTERSECTION OF "F" & ROSE CRANES
 (ROD HEAD)

190.14
180
72.014

⊗ "E" (P.L. RESECTION &) AZIM To "D" = 320° 14'

Sta.	Dist	Azimuth	Red	Elev	
T.B.M.		HI 21.15 320° 14'	+5.21		
95	178	" "	1.60	19.55	Edge of Pavement
96	170	" "	1.74	19.41	" " Shoulder
97	160	" "	4.5	16.65	Toe of Slope
98	139	" "	5.0	16.15	
99	120	" "	5.1	16.05	
100	98	" "	4.9	16.25	
101	79	" "	4.7	16.45	
102	62	" "	4.7	16.45	
103	44	" "	5.0	16.15	
104	25	" "	5.1	16.05	
105	Pt. "E"		5.1	16.05	
✓ 106	139	24° 35'			S.E. Cor
✓ 107	? 86	21° 15'			S.W. Cor
✓ 108	96	19° 35'			S.E. Cor
✓ 109	81	16° 15'			S.W. Cor
✓ 110	72	12° 25'			S.E. Cor
✓ 111	58	15° 45' ?			S.W. Cor



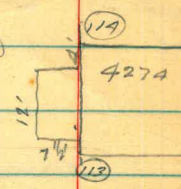
Sta	Dist	Azimuth	Rad	Elev
✓ 112	69	352° 40'		
✓ 113	54	277° 25'		
✓ 114	70	261° 08'		

N. W. Cor

S/E Cor

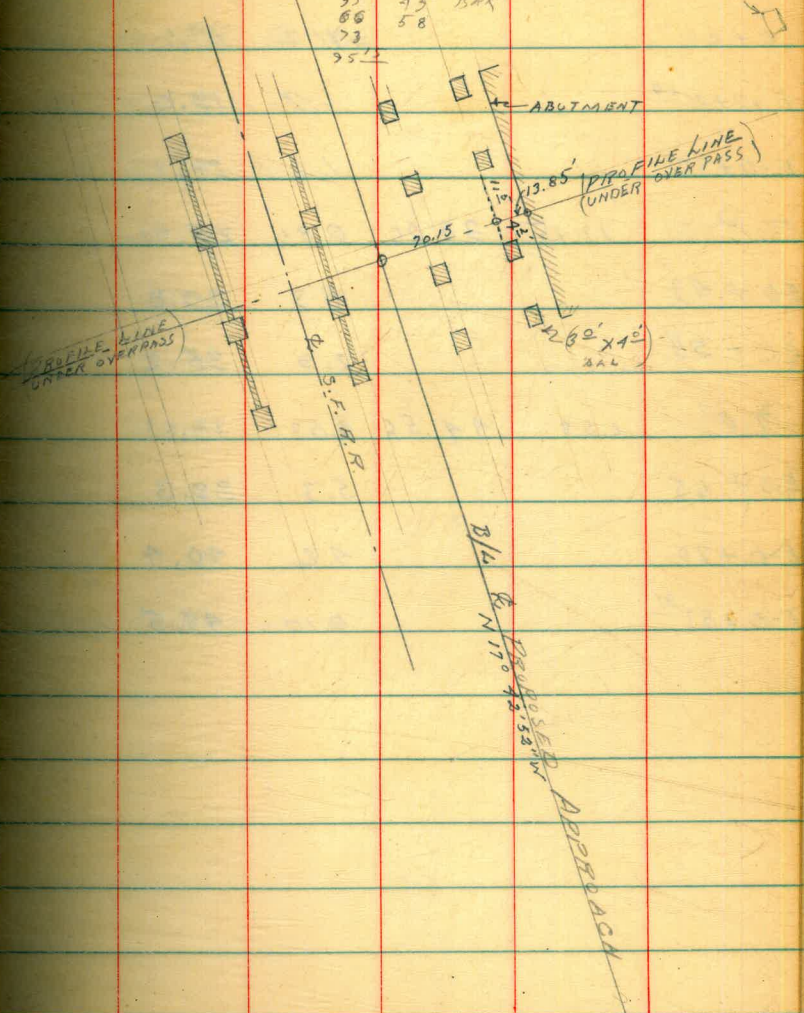
S.W. Cor

ROSECRANS



LOCATION OF PROFILE LINE UNDER
OVERPASS CAMINO DEL RIO &
SANTA FE TRAIL ROAD

67'	T.O.E
12.85'	EDGE CMM
31.01'	EDGE CMM
9.09'	ROCKS
SUBTOT 91'20"	
80'	T.O.E BAK
14.0'	SHOULDER ROGR
26.0'	T.O.E BAK
41.5'	EDGE CMM
57.2'	BAK
66'	58
73'	
95.5'	



SEE PAGE (76)

BARRAGAN
SHERRY
BROWN

2-8-50

(77)

PROFILE EAST UNDER OVERPASS (MINOR DEL RIO)

0+00 = STA- 12+11⁶² ON R/L BEARING OF LINE = N72° 30' E

STA	+	H.I.	-	ELEV	
B.M.	12.52	25.72		13.20	TOP 2" X 2" HUB STA- 11+00 ON R/L
0+00			11.2	14.5	STA- 12+11 ⁶² ON R/L
E-0+21 ⁰⁰			6.7	19.0	PT. ON SLOPE
E-0+32			1.6	24.1	"
T.P.	13.15	38.06	0.81	24.91	"
E-0+43			8.3	29.8	"
E-0+55			2.9	35.2	"
T.P.	6.59	44.56	0.03	38.03	"
E-0+65			5.3	39.3	"
E-0+70			4.2	40.4	"
E-0+83 ⁹¹			0.10	44.5	EAST ABUTMENT.

PROFILE WEST UNDER OVERPASS S.F. R.R. CAMINO DEL RIO

STA	+	H.I.	-	ELEV	
B.M.	10.51	23.74		13.20	142' HUB STA - 11+00 ON R/W
W-0+00			9.2	14.5	12+11.67 ON R/W
W-0+67			8.8	14.9	TOE OF R.R. EMBKMT.
W-0+79 ⁰⁶ 12 14			6.3	17.4	EDGE CLMNS.
W-0+91 ²⁰			3.0	20.74	E. OF R.R. TRACKS
W-0+99			4.2	19.5	TOE RAILFAST
W-1+13			4.4	19.3	TOP SHOULDER R.R. EMBKMT.
W-1+25			7.6	16.1	TOE EMBKMT.
W-1+32 ⁸			7.5	16.2	EAST EDGE OF CLMNS.
W-1+86 ³⁵			No SHOT		No SHOT

(ISLAND)
 PROFILE ALONG CENTER STRIP OF
 CAMINO DEL RIO OVERPASS @ S.F. R.R.

BARRAGAN
 SHERRY
 BROWN 3-8-50

79

to PROFILE

STA	+ H.I.	- ELEV
B.M.	4.63 57.23	52.61
W/O + 00		5.38
X/O + 00		5.44 51.79 51.43
W/O + 25		5.13
W/O + 25		5.20 52.03 51.73
W/O + 50		5.06 52.17
W/O + 50		5.10 52.13 51.93
W/O + 75		5.08 5
W/O + 75		5.10 52.13 51.73
W/O + 100		5.18
W/O + 100		5.20 52.03 51.73
W/O + 125		5.52
W/O + 125		5.53 51.70 51.90
W/O + 150		5.93
W/O + 150		5.96 51.27 50.77
W/O + 175		6.36
W/O + 175		6.07 51.16 50.86
2 + 00		7.05
2 + 00		9.05 50.18 49.81

T.B.M. ON TOP OF OVERPASS

W/GUTTER @ CENTER ISLAND

1/90T	"	"	"
11/90T	"	"	"
1/90T	"	"	"
11/90T	"	"	"
1/90T	"	"	"
11/90T	"	"	"
1/90T	"	"	"
11/90T	"	"	"
1/90T	"	"	"
11/90T	"	"	"
1/90T	"	"	"
11/90T	"	"	"
1/90T	"	"	"
11/90T	"	"	"
1/90T	"	"	"
11/90T	"	"	"
1/90T	"	"	"
11/90T	"	"	"



SITUATION SURVEY CAMINO

May 12, 1950

80

DEL RIO CONTO

T @ Sta 9+00

Sta	+	H.I.	-	Elev.
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B.M.				23.60
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67
518
146
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731

22+00
731
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14169

2,292
165,370.00
330

900
390
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700
700

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11
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2292
24,662

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2,1280

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12.00
1.09
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0.15
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100

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+B)

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10' =

slope
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=.0041.

pe dist-
=14 ft.
8 ft.

U. S. A.

5.43	6.22			4.74
1.07	1.07			0.87
7.36	5.15			7.07
5.33	5.10	5.51		1.80
1.07	1.07	1.07		0.87
7.26	4.03	1.07		3.93
5.32	5.22	4.44	5.31	4.70
1.07	1.07	1.07	0.87	0.87
4.25	4.15	4.99	7.99	3.83
5.28	5.35	1.07	5.21	
1.07	1.07	3.91	0.87	
4.21	1.28	5.94	7.34	4.60
5.30	1.07	0.87		0.87
1.07	5.48		5.08	3.75
4.23	1.07	5.07	0.87	4.58
5.33	4.71	5.89	4.21	0.87
1.07	5.60	0.87	4.94	3.66
4.26	1.07	5.02	0.87	4.50
5.40	4.53	5.78	4.07	0.87
1.07	5.72	6.87	4.82	3.63
4.33	1.07	4.91	0.87	4.48
5.48	4.65		3.95	0.87
1.07	5.84	5.69	5.40	3.41
4.41	1.07	0.87	0.87	4.51
5.58	4.79	4.82	4.53	0.87
1.07	5.91		5.29	3.67
4.51	1.07	5.62	5.29	7.57
5.77	4.84	0.87	0.87	0.87
1.07	5.97	5.58	5.19	3.66
4.66	1.07	0.87	0.87	
5.85	4.90	4.71	4.32	0.66
1.07	6.05	5.94	5.06	6.319
4.78	1.07	0.87	0.87	6.215
5.99	4.98	7.57	7.19	7.816
1.07	5.23			2.870
4.97	0.87			8.215
6.09	4.36			8.24
1.07				2.870
5.02				8.215
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