

MISSION BAY

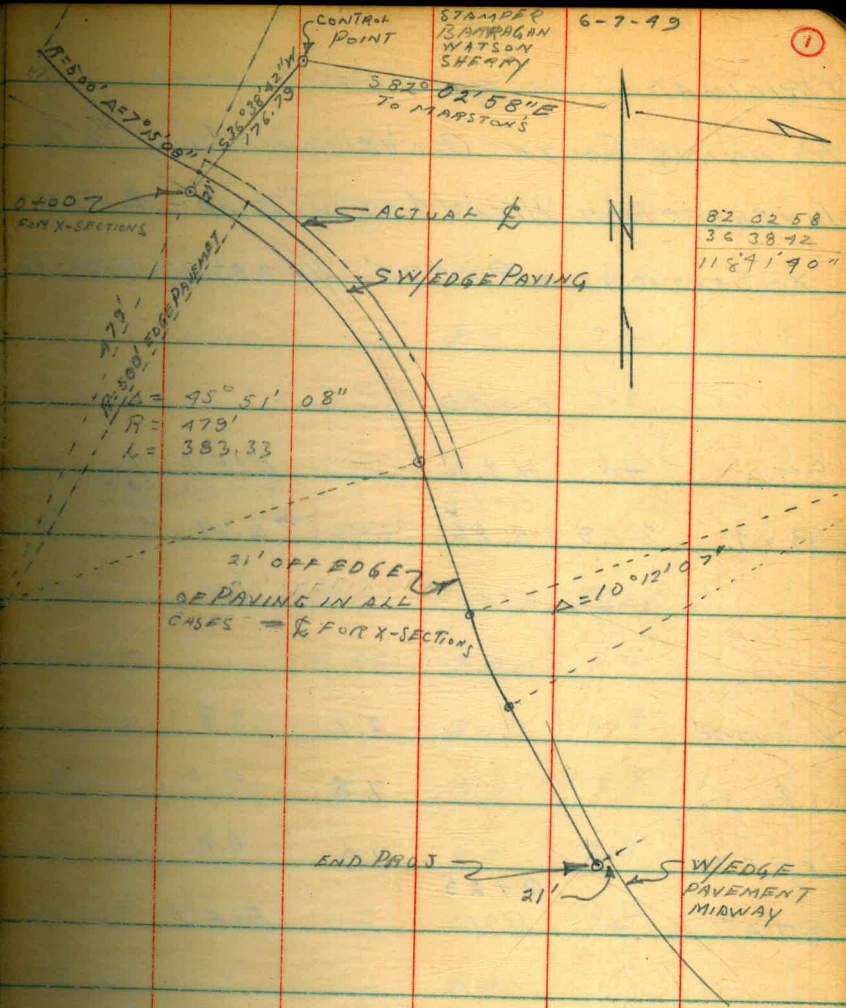
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BOOK NO 46

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01



ORIGINAL X-SECTIONS OF CURVE

0+50

RUNNING SOUTH ON VENTURA BLVD TO AN STA + H.I. - ELEV.

INTERSECTION WITH MIDWAY DRIVE - $\frac{1}{2}$ FOR RIGHT 23' 5.86 2.9 3.0

X-SECTIONS - $R=779'$ $L=383.33'$ $T=202.53'$ RIGHT 12' 2.9 3.0

$\frac{1}{2}$ 2.7 3.2

0+00 = B.C. LEFT 10' 2.1 3.8

STA + H.I. - ELEV LEFT 25' 2.3 3.6

B.M. 3.69 5.86 CITY DATUM 0.5' NORTH OF
 CITY D 2.17 BREAK IN
 LAND POST

0+75

STA + H.I. - ELEV

RIGHT 25' 5.86 2.9 3.0

RIGHT 25' 2.1 3.8 RIGHT 15' 3.1 2.8

$\frac{1}{2}$ 1.8 4.1 $\frac{1}{2}$ 3.1 2.8

LEFT 25' 1.9 4.0 LEFT 20' 3.0 2.9

0+25 STA + H.I. - ELEV LEFT 25' 2.7 3.2

LEFT 50' 2.4 3.5

RIGHT 25' 5.86 2.6 3.3 LEFT 65' 2.6 3.3

RIGHT 12' 2.4 3.5

$\frac{1}{2}$ 2.0 3.9

LEFT 25' 1.9 4.0

STA	+	H.I.	-	ELEV
		1400		
RIGHT 25'		5.86	3.3	2.6
⊘			3.5	2.4
LEFT 25'			3.2	2.7
LEFT 50'			3.0	2.9
LEFT 80'			2.6	2.3

STA	+	H.I.	-	ELEV
		1425		
RIGHT 25'		5.86	3.2	2.7
RIGHT 15'			3.3	2.6
⊘			3.6	2.3
LEFT 25'			3.6	2.3
LEFT 52'			3.4	2.5

STA	+	H.I.	-	ELEV
B.M		5.65	16.34	10.69
				CITY - 7.33
				CITY - 1.68

STA	+	H.I.	-	ELEV
		1450		
RIGHT 50'		5.86	6.0	-0.1
RIGHT 25'			4.0	1.9
RIGHT 18'			3.6	2.3
⊘			3.5	2.4
LEFT 25'			3.5	2.4
LEFT 50'			3.6	2.7
LEFT 75'			3.5	2.4

STA	+	H.I.	-	ELEV
		1475		
RIGHT 50'		5.86	8.8	-2.9
RIGHT 35'			7.5	-1.6
RIGHT 15'			5.6	0.3
⊘			4.7	1.2
LEFT 15'			3.6	2.3
LEFT 25'			3.9	2.0
LEFT 50'			3.7	2.2
LEFT 75'			3.2	2.7

SW COR BR
CAMP
451

STA	+	H.I.	-	ELEV
		2+00		
RIGHT - 25'		5.86	8.9	-3.0
RIGHT - 15'			8.7	-2.8
⊕			7.4	-1.5
LEFT - 25'			5.2	0.7
LEFT - 50'			3.7	2.2
LEFT - 80'			3.1	2.8
		STA-2+25		
'STA	+	H.I.	-	ELEV
RIGHT 25'		5.86	9.2	-3.3
⊕			8.9	-3.0
LEFT - 12'			8.4	-2.5
LEFT - 50'			5.9	0.0
LEFT - 63'			5.1	0.8
LEFT - 66'			5.6	0.3
LEFT 72'			1.7	4.2
LEFT 87'			3.5	2.4
LEFT 100'			3.5	2.4
LEFT 104'		7.33	5.08	2.25
LEFT - 104'		7.33	5.70	1.63

STA	+	H.I.	-	ELEV
		2+50		
RIGHT 25'		5.86	9.3	-3.4
⊕			9.2	-3.3
LEFT 25'			8.8	-2.9
LEFT 62'			8.2	-2.3
LEFT 71'			3.4	3.5
LEFT 80'			3.7	2.2
LEFT 92'		7.33	5.09	2.24
		7.33	5.72	1.61
		STA-2+75		
LEFT - 79'		7.33	5.06	2.27
LEFT - 79'		7.33	5.71	1.52
LEFT - 76'		5.86	3.7	2.2
LEFT - 67'			3.3	2.6
LEFT - 64'			1.9	4.0
LEFT - 60'			2.8	3.1
LEFT - 50'			8.7	-2.8
LEFT - 25'			9.0	-3.1
⊕			9.2	-3.3
RIGHT 25'			9.4	-3.5

CURB
GUTTER
GROUND

3+00

STA	+	H.I.	-	ELEV
RIGHT-25'		5.86	9.5	-3.6
⊕			9.5	-3.6
LEFT-25'			9.2	-3.3
LEFT-43'			9.3	-3.4
LEFT-56'			3.0	2.9
57				
LEFT-69'			3.5	2.4
LEFT-66'			3.8	2.1
LEFT-70'		7.33	5.12	2.21
		7.33	5.75	1.58

CURB
GUTTER

STA-3+25

STA	+	H.I.	-	ELEV
LEFT 63'		7.33	5.10	2.23
		7.33	5.74	1.59
LEFT-59'		5.86	9.0	
LEFT-45'			3.8	2.1
LEFT-37'			9.5	-3.6
LEFT-25'			9.5	-3.6
⊕			9.6	-3.7
RIGHT-25'			9.6	-3.7

CURB
GUTTER

3+50

STA	+	H.I.	-	ELEV
RIGHT-25'		5.86	9.7	-3.8
⊕			9.8	-3.9
LEFT-25'			9.8	-3.9
LEFT-33'			9.6	-3.7
LEFT-39'			6.7	-0.8
LEFT-43'			3.8	2.1
LEFT-54'			3.8	2.1
LEFT-58'		7.33	5.13	2.20
		7.33	5.81	1.52

CURB
GUTTERE.C. STA-3+83³³3+83³³

STA	+	H.I.	-	ELEV
LEFT-52'		7.33	5.24	2.09
		7.33	5.84	1.49
LEFT-48'		5.86	3.8	2.1
LEFT-38'			3.7	2.2
LEFT-28'			9.4	-3.5
LEFT-15'			10.1	-4.2
⊕			9.0	-3.1
RIGHT-25'			9.6	-3.7

CURB
GUTTER

STA	+	H.I.	-	ELEV
RIGHT-25'		5.86	9.9	-4.0
⊘			9.9	-4.0
LEFT-12'			10.1	-4.2
LEFT-28'			9.3	-3.4
LEFT-38'			3.9	2.0
LEFT-46'			4.0	1.9
LEFT-49'		7.33 7.33	5.20 5.85	2.13 1.98

STA - 4 + 50				
STA	+	H.I.	-	ELEV
LEFT 46'		7.33	5.22	2.11
LEFT-43'		7.33	5.85	1.99
		5.86	4.0	1.9
LEFT-34'			3.7	2.2
LEFT-25'			9.7	-3.8
LEFT-19'			10.2	-4.3
LEFT-11'			10.0	-4.1
⊘			9.7	-3.8
RIGHT-25'			9.8	-3.9
T.P.			9.77	-3.91
	8.66	4.75		-3.91

STA	+	H.I.	-	ELEV
RIGHT-25'		4.75	8.7	-3.9
⊘			8.6	-3.8
LEFT-16'			9.0	-4.2
LEFT-21'			8.7	-3.9
LEFT-32'			2.7	2.1
LEFT-42'			3.0	1.8
LEFT-45'		7.33 7.33	5.30 5.90	2.03 1.93

B.C. STA - 5 + 46 ⁷³				
STA	+	H.I.	-	ELEV
LEFT-43'		7.33	5.33	2.00
LEFT-40'		7.33	5.93	1.90
		4.75	2.9	1.9
LEFT-32'			2.8	2.0
LEFT-21'			8.5	-3.7
LEFT-12'			8.6	-3.8
⊘			8.6	-3.8
RIGHT-25'			8.5	-3.7

5+75

6+25

STA	+	H.I.	-	ELEV
R RIGHT-25'		4.75	8.6	-3.8
Ⓢ			8.6	-3.8
L LEFT-14'			8.9	-4.1
L LEFT-20'			8.5	-3.7
L LEFT-32'			2.9	1.9
L LEFT-42'			2.9	1.9
L LEFT-43'		7.33 7.33	5.28 5.88	2.05 1.95

STA	+	H.I.	-	ELEV
RIGHT-17'		4.75	11.5	-6.7
RIGHT-14'			10.4	-5.6
RIGHT-13'			9.1	-4.3
RIGHT-06'			8.7	-3.9
Ⓢ			8.7	-3.9
LEFT-16'			8.5	-3.7

STA- 6+00

STA	+	H.I.	-	ELEV
L LEFT-42'		7.33	5.29	2.04
L LEFT-40'		7.33	5.91	1.92
		4.75	2.8	2.0

CURB
GUTTER

L LEFT-30'			2.8	2.0
L LEFT-19'			8.5	-3.7
L LEFT-12'			8.6	-3.8
Ⓢ			8.7	-3.9
RIGHT-20'			9.3	-4.5

E.C. STA- 6+5730

STA	+	H.I.	-	ELEV
LEFT-37'			2.9	1.9
LEFT-40'		7.33 7.33	5.29 5.91	2.04 1.92
STA				
LEFT-37'		7.33	5.18	2.15
LEFT-33'		7.33	5.83	2.50
		4.75	2.6	2.2
LEFT-24'			2.8	2.0
LEFT-12'			8.1	-3.3
Ⓢ			8.4	-3.6
RIGHT-06'			8.5	-3.7
RIGHT-10'			10.3	-5.5
RIGHT-14'			8.7	-3.9
RIGHT-25'			8.8	-4.0

CURB
GUTTER

CURB
GUTTER

STA	+	H.I.	-	ELEV
R	RIGHT-25'	4.75	8.9	-4.0
	RIGHT-10'		9.3	-4.5
L	⊘		9.7	-4.9
L	LEFT-06'		9.7	-4.9
L	LEFT-08'		8.0	-3.2
L	LEFT-12'		7.5	-2.7
L	LEFT-22'		3.0	1.8
L	LEFT-31		2.8	2.0
L	LEFT-32	7.33 7.33	5.12 5.81	2.21 1.52

STA-7+50

STA	+	H.I.	-	ELEV
L	LEFT-21	7.33 7.33	5.22 5.79	2.11 1.54
L	LEFT-25'	4.75	3.1	1.7
L	LEFT-12'		1.2	0.6
L	⊘		3.4	-0.6
	RIGHT-08'		8.8	-4.0
R	RIGHT-25'		8.6	-3.8

STA	+	H.I.	-	ELEV
	RIGHT-25	4.75	6.1	-1.3
	RIGHT-10'		5.4	-0.6
L	⊘		4.6	0.2
L	LEFT-23'		3.1	1.7
L	LEFT-24'	7.33	5.70	1.63

SEE NEXT PAGE STA-8+20-8+26

STA	+	H.I.	-	ELEV
L	LEFT-21		5.00	2.33
L	LEFT-19'	4.75	5.63	1.70
	⊘		2.4	2.4
L	LEFT-09'		2.9	1.9
L	⊘		6.7	-1.9
L	LEFT-02		8.4	-3.6
L	LEFT-03		9.6	-4.8
L	LEFT-28'		9.8	-5.0
L	LEFT-10		8.6	-3.8
L	LEFT-25'		8.7	-3.9

CUM B
GUTTER

STA + H.I. - ELEV

820

STA	+	H.I.	-	ELEV
LEFT - 23'		7.33	5.68	1.65
LEFT - 23'		4.75	3.2	1.6
LEFT - 12'			7.1	
LEFT - 0			5.0	
RIGHT - 06'			5.3	
RIGHT - 16'			6.9	
RIGHT - 25'			8.2	

GUTTA ONLY

4.84 6.83 1.99

4.66 2.17

0.5 NORTH OF
BREAST IN CURB
LAMP POST

826

STA + H.I. - ELEV

RIGHT - 25'		4.75	8.5	
RIGHT - 09'			8.4	
RIGHT - 05'			9.4	
RIGHT - 02'			8.5	
RIGHT - 0			7.4	
LEFT - 04'			7.4	
LEFT - 08'			4.0	
LEFT - 11'			7.2	
LEFT - 22'		4.75	3.2	1.6
LEFT - 23'		7.33	5.08	1.25
T.P.		7.33	5.73	1.60
		4.75	2.76	1.99

CURB
GUTTA

ORIGINAL

6-9-19

②

CROSS SECTIONS OF NORTH

61+75

TRAFFIC LANE 0+00 (4) STA STA

+

H.I.

-

ELEV

15' OFFSET FROM PAVEMENT EDGE
LT.

RIGHT-100'

8.02

4.0

4.0

RIGHT-75'

4.2

3.8

CITY -1.68

1.68

6.73

8.41

10.69

RIGHT-50'

4.2

3.8

RIGHT-25'

4.2

3.8

GROUND

4.5

3.5

K HOB

4.30

3.72

STA-61+66

RIGHT-25'

4.3

3.7

L STA

+

H.I.

-

ELEV

L

B.M.

3.73

8.02

17.03

13.30

62+00

25 LEFT

4.2

3.8

STA

+

H.I.

+

ELEV

GRND.

4.2

3.8

LEFT 25'

8.02

4.8

3.2

K HOB

4.21

3.81

HOB

4.58

3.44

RIGHT 25'

4.2

3.8

GRND.

4.7

3.3

L RIGHT 50'

4.2

3.8

RIGHT 25'

4.6

3.4

L RIGHT 75'

4.0

4.0

RIGHT 50'

4.5

3.5

L RIGHT 100'

4.1

3.9

RIGHT 75'

4.3

3.7

RIGHT 85'

4.2

3.8

RIGHT 89'

3.8

4.2

RIGHT 100'

3.6

4.4

62+25

STA	+	H.I.	-	ELEV
R		RIGHT-100'	8.02	3.5 4.5
		RIGHT-75'		4.3 3.7
L		RIGHT-50'		4.6 3.4
L		RIGHT-25'		4.8 3.2
		HUB		4.78 3.24
		GRAND		4.9 3.1
L		LEFT-25'		5.1

62+75

STA	+	H.I.	-	ELEV
R		RIGHT-100'	8.02	4.2 3.8
		RIGHT-75'		4.7 3.3
		RIGHT-50'		5.1 2.9
		RIGHT-25'		5.1 2.9
		HUB		4.92 3.10
		GRAND		5.1 2.9
		LEFT-25'		4.7

62+50

STA	+	H.I.	-	ELEV
L		LEFT-25'	8.02	5.1 2.9
		HUB		5.06 2.96
		GRAND		5.2 2.8
L		RIGHT-25'		5.1 2.9
L		RIGHT-50'		4.8 3.2
L		RIGHT-75'		4.5 3.5
L		RIGHT-100'		3.8 4.2

63+00

STA	+	H.I.	-	ELEV
		25' LEFT	8.02	5.1
		HUB		4.94 3.08
		GRAND		5.1 2.9
		RIGHT-25'		4.9 3.1
		RIGHT-50'		5.3 2.7
		RIGHT-75'		4.9 3.1
		RIGHT-100'		4.4 3.6

63+25

STA	+	H.I.	-	ELEV
RIGHT-100'		8.02	5.0	
RIGHT-75'			5.3	
RIGHT-50'			5.3	
RIGHT-25'			5.2	
HUB			5.38	2.64
GROUND			5.5	
LEFT-25'			5.4	

63+50

STA	+	H.I.	-	ELEV
LEFT-25'		8.02	5.6	
R			5.40	2.62
			5.5	2.5
RIGHT-25'			5.3	2.7
RIGHT-50'			5.3	2.7
RIGHT-75'			5.4	2.4
RIGHT-100'			5.3	2.7

63+75

STA	+	H.I.	-	ELEV
RIGHT-100'		8.02	5.4	
RIGHT-75'			5.0	
RIGHT-50'			5.2	
RIGHT-25'			5.5	
R			5.50	2.52
			5.7	
LEFT-25'			5.7	

64+00

STA	+	H.I.	-	ELEV
LEFT-25'		8.02	5.8	
R			5.73	2.29
			5.8	2.2
RIGHT-25'			5.9	2.1
RIGHT-50'			5.6	2.4
RIGHT-75'			5.4	2.6
RIGHT-100'			5.3	2.7

64+25

STA	+	H.I.	-	ELEV	
RIGHT-100'		8.02	4.8	3.2	
RIGHT-75'			5.1	2.9	
			7.29	3.73	TOP
RIGHT-64'			4.93		M.H.
RIGHT-56'			4.32		M.H.
RIGHT-56'			4.8	3.2	
RIGHT-50'			5.0	3.0	
RIGHT-25'			6.0	2.0	
£			5.90	2.12	
			6.0	2.0	
LEFT-25'			5.8		

64+50

STA	+	H.I.	-	ELEV	
LEFT-25'		8.02	5.5		
£			5.98	2.04	
			6.1	1.9	
RIGHT-25'			5.9	2.1	
RIGHT-50'			5.6	2.4	
RIGHT-75'			5.0	3.0	
RIGHT-100'			5.0	3.0	
RIGHT-110'			5.7	2.3	CURB
RIGHT 110'			6.35	1.67	GUTTER

64+75

STA	+	H.I.	-	ELEV	
RIGHT-86'		8.02	6.42	1.60	GUTTER
RIGHT-86'			5.72	2.30	CURB
RIGHT-75'			4.7		
RIGHT-50'			5.2		
RIGHT-25'			5.7		
£			5.48	2.54	
			5.5		
LEFT-25'			5.8		
			65+01	99	

65+01

STA	+	H.I.	-	ELEV	
LEFT-25'		8.02	5.6		
£			5.42	2.60	
			5.6	2.4	
RIGHT-25'			5.3	2.7	
RIGHT-50'			5.1	2.9	
RIGHT-72'			5.7	2.3	CURB
RIGHT-72'			6.37	1.65	GUTTER

65+25

65+75

STA	+	H.I.	-	ELEV
RIGHT-56'		8.02	6.19	
RIGHT-56'			5.60	
RIGHT-46'			5.0	
RIGHT-25'			5.5	
⊥			5.48	2.54
⊥			5.5	
LEFT-25'			5.3	

STA	+	H.I.	-	ELEV
GUTTER RIGHT-39'		8.02	6.20	
CURB RIGHT-39'			5.65	
RIGHT-35'			5.4	
RIGHT-27'			5.0	
RIGHT-25'			5.4	
⊥			5.08	2.94
⊥			5.2	

65+50

66+00

STA	+	H.I.	-	ELEV
LEFT-25'		8.02	5.6	
⊥			3.02	3.00
⊥			5.2	2.8
RIGHT-25'			5.3	2.7
RIGHT-33'			4.9	3.1
RIGHT-43'			5.36	2.6
RIGHT-45'			5.60	2.42
RIGHT-45'			6.18	1.84

STA	+	H.I.	-	ELEV
LEFT-25'		8.02	5.4	
RIGHT-19'			5.1	
⊥			5.12	2.90
⊥			5.3	2.7
CURB RIGHT-21'			4.9	3.1
GUTTER RIGHT-32'			5.61	2.41
GUTTER RIGHT-32'			6.22	1.80

66+25

STA	+	H.I.	-	ELEV
RIGHT-27		8.02	6.23	
RIGHT-27'			5.60	
Ⓛ			4.70	3.32
Ⓛ			4.8	
LEFT-20'			5.3	
LEFT-25'			5.6	

66+50

STA	+	H.I.	-	ELEV
LEFT-25		8.02	5.6	
Ⓛ			5.02	3.00
Ⓛ			5.2	2.8
RIGHT-23'			70	2.32
RIGHT-23'			5.48	
RIGHT-23'			6.25	
RIGHT-23'			5.70	1.77

66+75

STA	+	H.I.	-	ELEV
RIGHT-20'		8.02	6.40	
RIGHT-20'			5.75	
Ⓛ			4.72	3.30
Ⓛ			4.8	
LEFT-10'			5.0	
LEFT-25'			5.3	

67+00

STA	+	H.I.	-	ELEV
LEFT-25'		8.02	5.4	
Ⓛ			5.23	2.79
Ⓛ			5.5	2.5
RIGHT-18'			5.80	2.22
RIGHT-18'			6.42	1.60

67+25

STA	+	H.I.	-	ELEV
RIGHT-16'		8.02	6.49	1.53
RIGHT-16'			5.82	2.20
Ⓛ			5.48	2.54
Ⓛ			5.2	2.3
LEFT-25'			5.6	

67+53 ⁸⁷
~~67+51~~ ²⁸

6-9-79

(15)

STA	+	H.I.	-	ELEV	
LEFT-25'		8.02	5.6		
			5.41	2.61	
			5.6	2.4	
RIGHT-15'			5.90	2.12	CURB
RIGHT-15'			6.53	1.49	GUTTER

ORIGINAL X-SECTIONS OF CENTER

STA - 62400

SECTION @ MIDWAY-VENTURA INTERSECTION

(ALONG ϕ)

STA - 61475

STA	+ H.I.	- ELEV
B.M.	6.04	16.73
	4.41	2.72
RIGHT - 100'		3.7
R - 75'		3.5x
R - 50'		4.0
R - 25'		4.1
ϕ		4.3
LEFT - 25'		4.6
L - 50'		4.6
L - 75'		4.3
L - 100'		4.3

LAMP
 25'
 10.69
 9.01
 1.68
 LAMP
 25'
 10.69
 9.01
 1.68
 LAMP
 25'
 10.69
 9.01
 1.68

STA	+ H.I.	- ELEV
RIGHT - 100'	7.72	4.8
R - 75'		5.1
R - 50'		4.7
R - 25'		3.7
R - 75'		3.4
R - 100'		3.5

62+25

STA	+	H.I.	-	ELEV
RIGHT-100'		7.72		3.3
R- 75'				3.5
R- 50'				3.5
R- 25'				
℄				
LEFT-25'				
LEFT-50'				4.9
L- 75'				5.1
L- 100'				4.8

B.C.
62+55⁷⁹

(19)

STA	+	H.I.	-	ELEV
LEFT-100'		7.72		4.8
L- 75'				5.2
L- 50'				5.1
L- 25'				5.0
℄				4.7
LEFT-25'				3.8
L- 50'				3.5
L- 75'				3.3
L- 100'				3.5

62+75

STA	+	H.I.	-	ELEV
RIGHT-100'		7.72		3.7
R- 75'				3.4
R- 50'				3.5
R- 25'				3.8
℄				4.8
LEFT-25'				5.1
L- 50'				5.0
L- 75'				5.0
L- 100				4.8

63+00

STA	+	H.I.	-	ELEV
RIGHT-100'		7.72		5.2
L- 75'				5.0
L- 50'				5.1
L- 25'				5.0
℄				4.7
RIGHT-25'				4.1
R- 50'				3.8
R- 75'				3.8
R- 100'				4.5

(18)

STA - 63+25

STA	H.I.	ELEV
RIGHT-100'	7.72	4.8
R - 75'		4.3
R - 50'		4.0
R - 25'		4.2
R		4.8
LEFT-25'		5.0
L - 50'		5.2
L - 75'		5.1
L - 100'		5.4

E.C. 63+52 ⁵³

(19)

STA	H.I.	ELEV
LEFT-100'	7.72	5.5
L - 75'		5.3
L - 50'		5.2
L - 25'		5.3
L		5.0
RIGHT-25'		4.5
R - 50'		4.4
R - 75'		4.7

63 + 75

STA	+	H.I.	-	ELEV
RIGHT-75'		7.72		4.8
R- 30'				4.6
R- 25'				4.7
R				5.3
LEFT-25'				5.5
L- 50'				5.3
L- 75'				5.3

64 + 00

STA	+	H.I.	-	ELEV
LEFT-75'				5.7
L- 50'				5.5
L- 25'				5.5
R				5.5
RIGHT-25'				4.9
R- 50'				4.8
R- 75'				4.8

64 + 25

STA	+	H.I.	-	ELEV
BM		4.09		7.73
RIGHT-100'				3.64
LEFT-100'				5.6
L- 75'				5.2
L- 50'				4.9
L- 25'				5.0
R				5.1
RIGHT-75'				4.7
R- 50'				4.3
R- 75'				4.5
R- 100'				5.3

COR 137
MAN HOLE

(20)

64+ 50

64+ 75

STA + H.I. - ELEV

STA + H.I. - ELEV

RIGHT-100' 7.73 5.3

RIGHT-100' 7.73 5.3

R- 75' 4.9

R- 75' 5.1

R- 50' 4.5

R- 50' 5.0

R- 25' 4.9

R- 25' 5.0

Q 3.1

Q 5.0

LEFT-25' 4.9

LEFT-25' 5.0

L- 50' 4.7

L- 50' 4.8

L- 75' 5.3

L- 75' 5.9

L- 100' 5.7

L- 100' 5.6

65+0.0

STA.	+	H.I.	-	ELEV
RIGHT-100		7.73	6.2	
RIGHT-75			5.7	
R-50'			5.4	
R-25			5.3	
⊘			5.1	
LEFT-25			4.3	
LEFT-50			4.1	
LEFT-75			4.3	
LEFT-100			4.5	
LEFT-125			4.6	
L-150			4.7	
L-175'			5.0	

65+25

(22)

STA	+	H.I.	-	ELEV
LEFT-175'		7.73	5.0	
L-150'			5.0	
L-125'			4.6	
L-100'			4.8	
L-75'			4.3	
L-50'			4.5	
L-25'			4.8	
⊘			5.4	
RIGHT-25'			5.6	
R-50'			5.9	
R-75'			6.0	
R-100'			5.4	

65+38⁹⁰

STA	+	H.I.	-	ELEV	
LEFT-175		7.73		5.95	
L-175				5.29	
L-150				6.00	
L-150				5.36	
L-125				6.13	
L-125'				5.95	
L-100'				6.10	
L-100'				5.98	
L-75'				6.10	
L-75'				5.96	
L-50				6.05	
L-50				5.39	
L-25				6.08	
L-25				5.92	
L				6.20	GUTTER
RIGHT-25'				6.16	"
R-50'				6.15	"
R-75'				6.22	"
R-100				6.13	GUTTER
R-125				6.12	GUTTER
R-125				5.97	CURB

STA	+	H.I.	-	ELEV	
B.M.		7.73		6.04	

ELEV = 10.69
 - 9.01
 1.68
 CHECK-1.69
 S/W COR BASE
 LAMP POST
 # 4573

END OF ORIGINAL
 SECTION'S
 ALONG ϕ (INTERSECTION) -

10.69
 6.04
 16.73
 5.92
 11.31

SUBGRADE (SOIL CEMENT) VENTURA BLVD.

42 + 12 ⁶⁹			
STA	+	H.I.	ELEV
B.M.	4.30	8.33	4.03
L-24			5.31
L-12			5.21
℄			5.17
R-12			5.17
R-24			5.10

42 + 50			
STA	+	H.I.	ELEV
L-25'		8.33	5.70
L-12 ⁵ '			5.50
℄			5.15
R-12 ⁵ '			5.17
R-25'			5.51

43 + 00			
STA	+	H.I.	ELEV
L-30		8.33	5.80
L-15'			5.45
℄			5.10
R-15'			5.26
R-30'			5.43

43 + 50			
STA	+	H.I.	ELEV
L-33		8.33	5.77
R-16 ⁵ '			5.47
℄			5.18
R-16 ⁵ '			4.96
R-33			4.96

44+00

STA	+ H.I.	-	ELEV
L-33'	8.33		5.77
L-16 ⁵ '			5.47
℄			5.07
R-16 ⁵ '			4.75
R-33'			4.47

44+50

STA	+ H.I.	-	ELEV
L-33'			5.66
L-16 ⁵ '			5.38
℄			4.99
R-16 ⁵ '			4.50
R-33'			4.17

45+00

STA	+ H.I.	-	ELEV
L-33'			5.46
L-16 ⁵ '			5.22
℄			4.85
R-16 ⁵ '			4.43
R-33'			4.10

45+50

STA	+ H.I.	-	ELEV
L-33'			5.42
L-16 ⁵ '			5.16
℄			4.70
R-16 ⁵ '			4.45
R-33'			4.03

46+00

STA	+ H.I.	-	ELEV
L-33'			5.20
L-16 ⁵ '			4.95
℄			4.57
R-16 ⁵ '			4.25
R-33'			3.86

46+50

STA	+ H.I.	-	ELEV
B.M.	5.99	10.02	4.03
L-33'			6.80
L-16 ⁵ '			6.57
℄			6.23
R-16 ⁵ '			5.82
R-33'			5.45

NE COR. M. H.
STA-76+36±

47+00

STA	+	H.I.	-	ELEV
L-33'		10.02		6.75
L-16 ⁵				6.18
Φ				5.97
R-16 ⁵				5.60
R-33'				5.19

47+50

STA	+	H.I.	-	ELEV
L-33'		10.02		6.72
L-16 ⁵				6.42
Φ				5.89
R-16 ⁵				5.47
R-33'				5.15

48+00

STA	+	H.I.	-	ELEV
L-33'		10.02		6.65
L-16 ⁵				6.22
Φ				5.79
R-16 ⁵				5.42
R-33'				5.08

48+50

STA	+	H.I.	-	ELEV
L-33'		10.02		6.47
L-16 ⁵				6.07
Φ				5.69
R-16 ⁵				5.29
R-33'				4.99

49+00

STA	+	H.I.	-	ELEV
L-33'		10.02		6.29
L-16 ⁵				5.88
Φ				5.57
R-16 ⁵				5.17
R-33'				4.79

49+50

STA	+	H.I.	-	ELEV
L-33'		10.02		6.20
L-16 ⁵				5.80
Φ				5.43
R-16 ⁵				4.96
R-33'				4.67

50+00

STA	+	H.I.	-	ELEV
L-33'		10.02		5.96
L-16 ⁵ '				5.69
Q				5.21
R-16 ⁵ '				4.83
R-33'				4.55

50+50

STA	+	H.I.	-	ELEV
L-33'		10.02		5.89
L-16 ⁵ '				5.47
Q				5.12
R-16 ⁵ '				4.83
R-33'				4.56

E.C. 50+80²⁷

STA	+	H.I.	-	ELEV
L-33'		10.02		5.77
L-16 ⁵ '				5.49
Q				5.07
R-16 ⁵ '				4.81
R-33'				4.67
T.P.				4.52
				5.50

51+00

STA	+	H.I.	-	ELEV
T.P.		5.01		10.51
L-33'				6.21
L-16 ⁵ '				5.90
Q				5.55
R-16 ⁵ '				5.10
R-33'				5.32

52+00

STA	+	H.I.	-	ELEV
L-33'		10.51		6.00
L-16 ⁵ '				5.52
Q				5.25
R-16 ⁵ '				5.42
R-33'				5.75

53+00

STA	+	H.I.	-	ELEV
L-33'		10.51		5.57
L-16 ⁵ '				5.12
Q				5.05
R-16 ⁵ '				5.20
R-33'				5.58

57+00

STA	+	H.I.	-	ELEV
L-33'		10.51		5.50
L-16 ⁵				5.00
Ⓢ				4.95
R-16 ⁵				4.99
R-33'				5.40

55+00

STA	+	H.I.	-	ELEV
L-33'		10.51		5.71
L-16 ⁵				5.19
Ⓢ				4.99
R-16 ⁵				5.20
R-33'				5.43

56+00

STA	+	H.I.	-	ELEV
L-33'		10.51		5.99
L-16 ⁵				5.43
Ⓢ				5.23
R-16 ⁵				5.41
R-33'				5.87

57+00

STA	+	H.I.	-	ELEV
L-33'		10.51		6.20
L-16 ⁵				5.70
Ⓢ				5.56
R-16 ⁵				5.70
R-33'				6.10

58+00

STA	+	H.I.	-	ELEV
L-33'		10.51		6.38
L-16 ⁵				5.93
Ⓢ				5.80
R-16 ⁵				5.93
R-33'				6.38

59+00

STA	+	H.I.	-	ELEV
L-33'		10.51		6.62
L-16 ⁵				6.22
Ⓢ				6.07
R-16 ⁵				6.18
R-33'				6.55

60 + 00

STA	+	H.I.	-	ELEV
L-33'		10.51		6.85
L-16 $\frac{1}{2}$ '				6.49
⊕				6.29
R-16 $\frac{1}{2}$ '				6.35
R-33'				6.87

61 + 00

STA	+	H.I.	-	ELEV.
L-33'		10.51		7.18
L-16 $\frac{1}{2}$ '				6.73
⊕				6.59
R-16 $\frac{1}{2}$ '				6.75
R-33'				7.13

61 + 66

STA	+	H.I.	-	ELEV.
L-33'		10.51		7.24
L-16 $\frac{1}{2}$ '				6.88
⊕				6.80
R-16 $\frac{1}{2}$ '				6.85
R-33'				7.28

FINAL
X-SECTIONS OF VENTURA BAND

7-25-49

(30)

ON SUBGRADE (SOIL CEMENT)

1+0.0

STA	+	H.I.	-	ELEV
B.M.	4.63	4.69		+0.06

WHEN SET IN PLACE BY THE CONTRACTOR OF THE ROAD

L-55'			6.84	
L-33'			6.91	
L-16 ⁵			6.20	
E			5.93	

R-16 ⁵ '			6.01	
R-33'			6.06	
R-65'			6.99	

1+25

STA	+	H.I.	-	ELEV
L-35'		4.69	6.58	
L-33'			6.56	
L-16 ⁵			6.02	
L-29'			5.85	
R-29'			5.87	
R-16 ⁵			5.98	
R-35'			6.37	

1+50

STA	+	H.I.	-	ELEV
R-33'		4.69	6.29	
R-16 ⁵			5.90	
R-28			5.76	
L-28			5.77	
R-16 ⁵			5.96	
R-33'			6.55	

1+75

STA	+	H.I.	-	ELEV
R-33'		4.69	6.49	
R-16 ⁵			5.95	
R-28			5.69	
R-28			5.70	
R-16 ⁵			5.83	
R-33'			6.08	

2+00

STA	+	H.I.	-	ELEV
R-33'		4.69		5.98
R-16 ⁵				5.71
R-2 ¹				5.60
L-2 ¹				5.60
L-16 ⁵				5.89
L-33'				6.33

2+25

STA	+	H.I.	-	ELEV
L-33'		4.69		6.34
L-16 ⁵				5.75
L-2 ³				5.39
R-2 ³				5.45
R-16 ⁵				5.58
R-33'				5.95

2+50

STA	+	H.I.	-	ELEV
R-33'		4.69		5.80
R-16 ⁵				5.50
R-2 ¹				5.37
L-2 ¹				5.36
L-16 ⁵				5.70
L-33'				6.25

3+00

STA	+	H.I.	-	ELEV
L-33'		4.69		5.98
L-16 ⁵				5.50
L-2 ³				5.21
R-16 ⁵				5.41
R-33'				5.68

3+50

STA	+	H.I.	-	ELEV
R-33'		4.69		5.19
R-16 ^E				5.21
⊗				4.96
L-16 ^E				5.30
L-33'				5.87

4+00

STA	+	H.I.	-	ELEV
L-33'		4.69		5.72
L-16 ^E				5.15
⊗				4.85
R-16 ^E				5.04
R-33'				5.36

4+50

STA	+	H.I.	-	ELEV
R-33'		4.69		5.09
R-16 ^E				4.80
⊗				4.66
L-16 ^E				4.86
L-33'				5.22

5+02

STA	+	H.I.	-	ELEV	
L-33'		4.69		3.87	
L-16 ^E				4.05	
⊗				4.31	0.38
R-16 ^E				4.56	
R-33'				4.83	.86

FINAL SUBGRADE X-SECTIONS VENTURA BLVD.

16+00

STA	+	H.I.	-	ELEV
B.M.	4.00	6.38		2.38
T.P.	5.18	6.90	4.66	1.72

16.39
3.91
2.38 U.S.C&G
COAST GA.

STA	+	H.I.	-	ELEV
A-33		6.90		5.65
L-16E				5.27

E.C. STA - 13+94¹³

STA	+	H.I.	-	ELEV
L-33'		6.90		4.31
L-16E				4.63
℄				4.92
R-16E				5.38
R-33'				5.85

15+00

STA	+	H.I.	-	ELEV
L-33		6.90		5.19
L-16E				5.32
℄				5.16
R-16E				5.40
R-33'				5.97

17+00

STA	+	H.I.	-	ELEV
L-33'		6.90		5.40
L-16E				5.12
℄				4.99
L-16E				5.05
R-33'				5.57

18+00

STA	+	H.I.	-	ELEV
L-33'		6.90		5.20
L-16E				4.88
℄				4.67
L-16E				4.85
R-33'				5.30

19+00			
STA	+	H.I.	- ELEV
L-33'		6.90	4.99
L-16 ⁵			4.65
⊕			4.40
R-16 ⁵			4.53
R-33'			5.00

20+00			
STA	+	H.I.	- ELEV
L-33'		6.90	4.79
L-16 ⁵			4.49
⊕			4.09
R-16 ⁵			4.21
R-33'			4.72

21+00			
STA	+	H.I.	- ELEV
L-33'		6.90	4.46
L-16 ⁵			4.10
⊕			3.95
R-16 ⁵			4.08
R-33'			4.57

22+00			
STA	+	H.I.	- ELEV
L-33'		6.90	4.32
L-16 ⁵			3.93
⊕			3.57
R-16 ⁵			3.78
R-33'			4.20

23+00			
STA	+	H.I.	- ELEV
L-33'		6.90	4.20
L-16 ⁵			4.12
⊕			3.76
R-16 ⁵			3.00
R-33'			2.73

B.C. 23+28 ²⁵			
STA	+	H.I.	- ELEV
L-33'		6.90	5.00
L-16 ⁵			4.23
⊕			3.40
R-16 ⁵			2.68
R-33'			2.17

FINAL X-SECTIONS OF

SUBGRADE VENTURA BLVD.

9.76
3.96
9.22

29+00

(35)

STA	+	H.I.	-	ELEV
T.P		6.90	4.08	2.82
T.P	5.91	8.73		2.82
T.B.M. TOP ELF PLUG			2.94	5.79
T.B.M	2.90	8.69		5.79
T.P	3.93	6.21	6.41	
T.P	4.36	6.97	3.60	2.61
B.M			4.57	2.10

STA-20+00

W/SIDE BLVD.
@ NORTH END
OF TEMPLE

STA	+	H.I.	-	ELEV
LT. EDGE		9.22	7.36	1.86
LT. 1/4			6.56	2.66
¢			5.46	3.76
RT. 1/4			4.32	4.90
RT. EDGE			3.40	5.82

29+50

STA-23+50

STA	+	H.I.	-	ELEV
LT. EDGE	3.96	9.22	7.36	1.86
LT. 1/4			6.61	2.61
¢			5.59	3.63
RT. 1/4			4.77	4.95
RT. EDGE			4.14	5.08

STA	+	H.I.	-	ELEV
LT. EDGE		9.22	7.20	2.02
LT. 1/4			6.32	2.90
¢			5.33	3.89
RT. 1/4			4.19	5.03
RT. EDGE			3.24	5.98

25+00

STA - 25+50

STA	T	H.I.	-	ELEV
LT. EDGE		3.22	6.60	2.62
LT. 1/4			5.83	3.39
¢			5.21	4.01
RT. 1/4			4.50	4.72
RT. EDGE			3.95	5.27

STA	T	H.I.	-	ELEV
RT. EDGE		3.22	5.41	3.81
RT. 1/4			5.30	3.92
¢			5.09	4.13
RT. 1/4			4.96	
RT. EDGE			4.98	

E.C. 25+50 ^{29.75}

STA	T	H.I.	-	ELEV
LT. EDGE		3.22	5.94	3.28
LT. 1/4			5.56	3.66
¢			5.16	4.06
RT. 1/4			4.74	4.98
RT. EDGE			4.42	4.80

STA	T	H.I.	-	ELEV
LT. EDGE		3.22	4.51	
LT. 1/4			4.67	
¢			4.89	
RT. 1/4			5.21	
RT. EDGE			5.39	

- SUBGRADE - VENTURA BLYD.

C. BARRAGAN
E. WATSON
A. SHERRY

8-2-49

(37)

6+50

				STA	+	H.I.	-	ELEV
B.M	5.45		11.39 9.01 CITY 2.38	LT-33'		7.83		5.29
		STA- 5+50		LT-16 ^E				5.72
STA	+	H.I.	-	ELEV				6.27
LT-33'		6.27						6.70
LT-16 ^E		7.83	4.45	RT-16 ^S				7.21
ℓ			4.92	T.P.				7.37
RT-16 ^S			5.40			7+00		+ 0.96 RT. EDGE
RT-33'			5.80	STA	+	H.I.	-	ELEV
			6.34	LT-33'		7.83		5.19
				LT-16 ^E				5.49
		STA- 6+00		ℓ				6.00
STA	+	H.I.	-	ELEV				6.97
LT-33'		5.81	6.27	0.46				7.04
LT-16 ^E			3.93	RT-33'				
ℓ			4.43			7+50		
RT-16 ^S			5.01	STA	+	H.I.	-	ELEV
RT-33'			5.52	LT-33'		7.83		4.88
			6.03	LT-16 ^E				5.22
				ℓ				5.84
				RT-16 ^S				6.36
				RT-33'				6.84

8+00

9+50

STA	+	H.I.	-	ELEV
LT-33'		7.83		4.55
LT-16 ^E				5.10
Q				5.60
RT-16 ^E				6.07
RT-33				6.52

STA	+	H.I.	-	ELEV
LT-33'		7.83		3.81 3.99
LT-16 ^E				4.31 3.52 4.31
Q				4.81 3.02
RT-16 ^E				5.31 2.52
RT-33				5.89

8+50

10+00

STA	+	H.I.	-	ELEV
LT-33'		7.83		4.29
LT-16 ^E				4.74
Q				5.39
RT-16 ^E				5.79
RT				6.20

STA	+	H.I.	-	ELEV
LT-33		7.83		3.88 3.95
LT-16 ^E				4.35 3.98
Q				4.80 3.03
RT-16 ^E				5.25 2.58
RT-33				5.77 2.06

9+00

10+50

STA	+	H.I.	-	ELEV
LT-4 ^E		7.83		4.15
LT-4 ^B				4.46
Q 5 ^E				5.05
RT 5 ^E				5.52
RT 5.98				5.98

STA	+	H.I.	-	ELEV
LT-33'		7.83		3.82 3.91
LT-16 ^E				4.39 3.14
Q				4.86 2.97
RT-16 ^E				5.40 2.43
RT-33'				5.89 1.94

11+00				
STA	+	H. I.	-	ELEV
LT		7.83	4.05	3.78
LT			4.51	3.29
Q			4.96	2.87
RT			5.48	2.35
RT			6.05	1.78

11+50				
STA	+	H. I.	-	ELEV
LT-33'		7.83	4.16	3.67
LT 16 ^E			4.68	3.15
Q			5.16	2.67
RT 16 ^E			5.63	2.20
RT, 33'			6.17	1.66

12+00				
STA	+	H. I.	-	ELEV
LT-33'		7.83	4.31	3.52
LT-16 ^E			4.82	3.01
Q			5.28	2.55
RT 16 ^E			5.76	2.07
RT, 33'			6.27	1.56

12+50				
STA	+	H. I.	-	ELEV
LT-33'		7.83	4.53	3.30
LT-16 ^E			4.96	2.87
Q			5.49	2.34
RT-16 ^E			5.96	1.87
RT-33'			6.51	1.32

13+00				
STA	+	H. I.	-	ELEV
LT-33'		7.83	4.60	3.23
LT-16 ^E			5.11	2.72
Q			5.53	1.30
RT 16 ^E			6.06	1.77
RT-33'			6.57	1.25

13+50				
STA	+	H. I.	-	ELEV
LT-33'		7.83	4.88	2.95
LT 16 ^E			5.28	2.55
Q			5.64	2.19
RT 16 ^E			6.17	1.66
RT-33'			6.62	1.21

FINAL CROSS SECTIONS
PAVEMENT - (AC)

OF SOUTH CURVE @ MIDWAY-VENTURA INTERSECTION

SEE PAGE ① FOR 0+00

0+00

STA	+	H.I.	-	ELEV
B.M.	5.76	7.99	CITY	$\frac{10.69}{3.01} = 1.68$

RT-10' 2.99 3.8

L 4.8

LT-10' 9.75

LT-15' 9.57

LT-20' 4.10

LT-35' 3.85

REVISED

0+25

STA	+	H.I.	-	ELEV
RT-25		7.99		2.9

L 4.5

LT-5' 5.1

LT-11' 5.15

LT-21' 4.75

LT-37' 3.80

LT-48' 3.31

REVISED

0+50

STA	+	H.I.	-	ELEV
RT-25'		7.99		3.9

RT-10 4.2

L 4.9

LT-8' 5.0

LT-3' 5.9

LT-21' 4.86

LT-46' 4.00

3.55

4.9 L
4.8-9
3.8-20
2.0-20
2.6-20

8-12-45

40

0+75

1+25

STA + H.L. - ELEV

STA + H.L. - ELEV

RT-25' 2.44 3.7

RT-25' 7.44 4.0

RT-11' 4.9

RT-15' 4.3

E 5.1

E 5.3

LT-6' 5.2

LT-6' 5.9

LT-9' 5.5

LT-7' 5.5

LT-21' 5.03

LT-8' 5.8

LT-46' 4.20

GUTTER LT-11' 5.7

LT-47' 3.70

TOP CURB LT-21' 5.32 EDGE

1+00

STA + H.L. - ELEV

STA + H.L. - ELEV

RT-25' 2.44 3.8

RT-25' 7.44 4.7

E 5.3

E 5.5

LT-6' 5.4

LT-6' 5.7

LT-8' 5.1

LT-9' 5.9

LT-9' 5.5

LT-11' 5.9

LT-11' 5.5

RT EDGE LT-11' 5.9

LT-21' 5.15

GUTTER LT-21' 5.9

LT-46' 4.40

TOP CURB LT-21' 5.72

LT-47' 3.92

LT-46' 5

LT-47' 4.16

REVISED

REVISED

1+75

STA + H.I. - ELEV

RT-48 7.49 10.0

RT-25 7.7

RT-16' 7.8

⊕ 5.8

LT- 6' 6.0

LT- 9' 6.2

LT- 11' 6.0

LT- 21' 5.60

LT- 46' 4.89

LT- 47' 4.35

REVISED

T.B.M.^s FOR X-SECTIONS OF DE-ANZA

& GROUND WATER SURVEY

(ALL 2" x 2" HUBS) 10.09 N^o 1

9.34 N^o 2

9.63 N^o 3

9.18 N^o 4

9.69 N^o 5

11.91 N^o 6

9.70 N^o 7

9.36 N^o 8

9.13 N^o 9

(SEE BOOK 14 FOR B/L)

12-12-49

STA - 102+00

X-SECTIONS OF DE-ANZA PROJ 3-1 (95 OF 12-49)

STA + H/I - ELEV.

PX
HOLE #5

BM. 3.77 12.95 9.18

STA - 104+00

PX

0+00 = STA - 104 - DE-ANZA B/L

0+20 2.4 10.5

STA + H/I - ELEV

0+30 2.2 10.7

BM. 2.75 12.44 9.69

HOLE #4

0+40 2.8 10.1

0+33 1.9 10.6

0+50 3.7 9.2

0+39 2.0 10.5

1+20 3.6 9.3

0+41 2.9 9.6

1+75 3.6 9.3

0+67 4.1 8.4

2+50 3.9 9.0

1+14 4.0 8.5

3+25 4.1 8.8

1+73 3.7 8.8

4+25 4.6 8.3

2+40 3.7 8.8

4+80 4.6 8.3

3+12 3.7 8.8

5+55 4.6 8.3

3+94 3.9 8.6

6+30 4.4 8.5

4+85 3.4 9.1

7+10 4.1 8.8

5+45 3.5 9.0

7+80 4.2 8.7

5+92 2.5 10.0

T.P. 3.91

6+35 2.8 9.7

T.P. 4.00 13.69 9.69

6+36 2.9 9.6

6+87 3.7 8.8

9.69
Top of St.
9.69 + 5
Hub

RW

Sta	+	1+1	-	Elev	PX
Sta 102+00					
7+80		13.69			
0+72			4.5	9.2	1.5
1+48			4.2	9.5	
2+20			3.9	9.8	
2+95			3.9	9.8	
3+70			3.9	9.8	
4+50			3.8	10.5	
5+20			3.5	10.2	
5+95			3.9	9.8	
6+70			4.3	9.4	
7+45			4.7	9.0	
8+10			5.0	8.7	
8+85			4.7	9.0	
9+43			4.3	9.4	

Sta	+	Hi	-	Elev	PX
Sta 100+00					
0+00 = B/L		11.80		9.69	Hub
	2.11	4.29		9.18	Hub #5
0+33			1.4	10.1	
				9.9	
2+40			1.0	10.8	
				10.3	
0+65			2.5	9.3	
				8.8	
1+15			2.2	9.6	
				9.1	
1+60			1.9	9.9	
				9.4	
2+45			1.9	9.9	
				9.4	
3+25			1.5	10.7	
				9.8	
4+05			2.7	9.1	
				8.6	
4+85			3.0	8.8	
				8.3	
5+60			3.3	8.5	
				8.0	
6+40			3.2	8.6	
				8.1	
7+20			2.9	8.9	
				8.4	
T.P			2.11	9.69	TP STAKE
				9.18	
End 7+20	3.92	13.61		9.69	" " "
		13.08		9.0	
0+77			4.6	8.5	
				9.2	
1+55			4.4	8.7	
				9.4	
2.35			4.2	8.9	

Sta. 100+00

98+00

12-12-49

Sta.	+	H.I.	-	ELEV.	PX	STA	+	H.I.	-	ELEV.	PX
π at 7+20				9.5		T.B.M.					
3+20		13.08	4.1	9.0		5.03		14.21		9.18	HOLE #4
		13.61		9.2		π at 8+00					
3+95			4.0	9.1		N7+67			3.2	11.0	0+00 = PT 800' SOUTH OF BASELINE
				10.1							
4+70			3.6	9.5		N7+60			3.2	11.0	
				10.4							
5+50			3.2	9.9		N7+25			4.1	10.1	
				9.7							
6+30			3.9	9.2		N6+75			4.2	10.1	
				9.1							
7+10			4.5	8.6		N6+00			4.3	9.9	
				9.3							
8+00			4.3	8.8		N5+20			4.5	9.7	
				9.91							
T.P.			3.70	9.38	T.P.	N4+35			4.5	9.7	
π at 8+00	4.21	13.58		9.91	"	N4+00			4.6	9.6	
		14.12		9.0							
0+75			5.1	8.5		N3+45			5.1	9.1	
				8.8							
1+55			5.3	8.3		N3+90			5.4	8.8	
				9.1							
2+35			5.0	8.6		N2+45			5.2	9.0	
				9.1							
3+20			5.0	8.6		N2+00			5.3	8.9	
				9.2							
4+00			4.9	8.7		N1+50			5.2	9.0	
				9.4							
4+15			4.7	8.9		N1+10			5.1	9.1	
				9.7							
5+25			4.4	9.2		N0+60			5.0	9.2	
				9.7							
5+28			6.4	7.2		0+00			5.0	9.2	

Sta. 98+00

PX

STA	+	HI	-	ELEV
at. Sa. of				
16+45 Bl	= N-758+00	14.38		
N. 8+45			5.1	9.3
N. 7+80			5.2	9.2
N. 7+20			4.6	9.8
N. 6+40			4.5	9.9
N. 5+80			4.6	9.8
N. 5+10			4.3	10.1
N. 4+45			4.2	10.2
N. 3+80			4.2	10.2
N. 3+10			4.0	10.4
N. 2+45			4.2	10.2
N. 1+80			4.8	9.6
N. 1+20			4.7	9.7
0+45			4.4	10.0
0+00			4.8	9.6
	4.68	14.38		9.70
S. 0+60			5.1	9.3
S. 1+30			4.7	9.7

Holes

Sta. 98+00

PX

Sta	+	HI	-	Elev.
		14.38		
5.2+00			5.3	9.1
5.2+85			5.4	9.0
5.3+50			5.5	8.9
5.4+20			5.3	9.1
5.4+80			5.2	9.2
5.5+45			4.8	9.6
5.5+95			4.3	10.1
6.6+0+			6.8	7.6

12-13-49

STA - 96+00 WV

PX

STA	T	H.I.	-	ELEV
N-4+45		14.0	5.0	9.0
N-5+15			4.7	9.3
N-5+80			3.9	10.1
N-6+45			3.7	10.3
N-7+10			3.6	10.4
N-7+70			3.3	10.7
N-8+15			3.0	11.0
N-8+45			2.0	12.0
N-8+50			2.4	11.6
N-8+55			1.8	9.2

STA - 94+00-W

PX

(19)

STA	T	H.I.	-	ELEV
0+00 = Point 35' So. of T.B/L				
T.B.M.	9+90	16.43	1	6.53
				2x2 Hub Sta 92+00
				5.1 11.3
				5.6 11.4
				5.0 11.4
				5.4 11.0
				5.8 10.6
				5.8 10.6
				6.1 10.3
				6.8 9.6
				7.0 9.4
				7.5 8.9
				7.7 8.7
				7.6 8.8
				6.8 9.6
				7.6 8.8
				7.2 9.2
				T.P 5.92 10.51

STA - 94+00

Px

STA	+ H.I.	- ELEV
T.P	3.79 14.50	10.51
0+00 = PT. - 825' SOUTH OF B/W		
\$0.05		5.0 9.0
\$0+50		4.6 9.9
\$1+00		3.9 10.8
\$1+75		3.6 10.9
\$2+55		3.2 11.3
\$3+30		3.1 11.4
\$4+05		3.4 11.1
\$4+80		3.5 11.0
\$5+55		2.7 11.8
\$6+30		3.5 11.0
\$7+10		4.5 10.0
\$7+75		4.8 9.7
T.P		4.73 9.77

STA - 94+00

Px

50

STA	+ H.I.	- ELEV
0+00 = PT 1651' SOUTH OF B/W		
0+00 (NORTH-158+00-W-94+00)		
T.P	4.26 14.03	9.77
\$1+00		4.7 19.3
\$2+30		4.6 9.4
\$3+40		4.6 9.4
\$4+45		5.0 9.0
\$5+40		5.3 8.7
\$6+40		5.6 8.4
\$7+40		5.7 8.3
\$8+15		4.6 9.4
\$9+70		4.5 9.5
\$10+05		8.8 5.2
\$11+05		4.72 9.36

Hole # 8

12-14-44

STA - 92+00 W

PX

STA	+ H.I.	-	T.F.V.
0+00 = POINT 35' SOUTH OF B.L.			
T.B.M.	9.99	16.52	6.53
N-0+03		7.5	12.0
0+00		4.6	17.9
S. 0+02		5.3	11.2
0+46		6.0	10.5
0+95		5.8	10.7
1+45		6.0	10.5
2+15		6.3	10.2
2+85		6.4	10.1
3+60		6.8	9.7
4+30		7.1	9.4
5+00		7.3	9.2
5+65		7.0	9.5
6+20		6.8	9.7
6+80		5.8	10.7
7+32		5.6	10.9
7+66		4.9	11.4
8+02		10.0	6.5

Sta. 90+00

PX (51)

Sta.	+ H.I.	-	Elev.
0+00 - Point 35' So. of B.L.			
T.B.M.	9.90	16.43	6.53
0+00		4.2	12.2
0+04		4.0	12.4
2+05		4.5	11.9
0+53		5.6	10.8
1+05		5.3	11.1
1+85		5.8	10.6
2+60		6.3	10.1
3+40		6.7	9.7
4+15		6.7	9.7
4+80		7.0	9.4
5+50		6.7	9.7
6+25		6.0	10.4
6+90		5.4	11.0
7+23		11.0	5.4
7+44		14.4	2.0

Top. 2"x2" Hub
92+00

Sta 88+00

PX

Sta. 86+00

PX

Sta.	+	HI	-	Elev
0+00		Point 35' So. of B/L		
T.B.M.	10.40	16.93		6.53
T.B.M.			9.20	7.73
0+04			4.4	12.5
0+60			4.9	12.6
0+48			6.0	10.9
1+00			6.4	10.5
1+70			7.1	9.4
2+40			7.1	9.4
3+15			7.3	9.6
3+90			7.6	9.3
4+65			7.7	9.2
5+35			7.5	9.4
5+88			7.3	9.4
6+30			7.6	9.3
6+45			12.6	4.3
6+63			12.2	4.7
6+75			10.3	6.6
7+05			13.0	3.9
7+31			15.0	1.9

Sta.	+	HI	-	Elev
0+00		Point 35' So. of B/L		
	8.78	16.51		7.73
T.B.M.			4.98	11.53
0+00			4.8	11.7
0+30			6.5	10.0
0+70			6.3	10.2
1+50			6.3	10.2
2+25			6.7	9.8
3+00			7.1	9.4
3+65			7.07	9.44
3+65			7.6	8.9
4+00			7.7	8.8
5+15			7.8	8.7
5+90			7.3	9.2
6+55			6.5	10.0
6+85			12.1	3.4
7+03			14.5	2.0

Hole # 2

Sta. 84+00

PX

Sta. 82+00

PX

Sta. + H.I. - Elev

Sta. + H.I. - Elev

0+00 = Point 35' So. of B/L

0+00 = Sta 82 on B/L

5.30 16.83 11.53

T.B.M. 4.48 16.01 11.53

2x2 Hub
Sta 85+00

1.0-03 4.9 11.9

1.0+23 6.5 9.5

0+20 4.7 12.1

1.0+20 4.7 11.3

0+50 5.3 11.5

1.0+7 3.8 12.2

1+00 6.1 10.7

1.0+5 4.3 11.7

1+70 7.0 9.8

1.0+20 4.8 11.2

2+40 7.4 9.4

1.0+55 5.3 10.7

3+15 7.7 9.1

1.130 6.2 9.8

3+80 8.1 8.7

2+00 6.1 9.9

4+55 7.8 9.0

2+70 6.4 9.6

5+30 7.4 9.4

2+40 6.7 9.3

5+85 7.3 9.6

2+15 6.6 9.4

6+35 6.5 10.3

4+90 6.6 9.4

6+70 12.2 4.6

5+70 6.0 10.0

6+90 15.0 1.8

6+50 5.5 10.5

16.35

6+84 11.1 4.9

7+01 13.8 2.2

Sta 80+00

Sta. 79+00

PX

Sta. + H.I. - Elev P.A

Sta. + H.I. - Elev

0+00 = Sta 80 on B/L

0+00 = Sta. 79+00 on B/L

B.M. 3.80 15.89 12.09 State

B.M. 4.91 16.50 12.09 State

0+00 4.8 11.1

0+00 5.0 11.5

0+25 4.9 11.0

0+46 5.2 11.3

0+33 5.6 10.3

1+00 5.5 11.0

0+05 5.5 10.4

1+90 5.2 11.3

0+75 5.7 10.2

2+45 6.0 10.5

0+50 5.6 10.3

3+20 5.8 10.7

0+90 5.2 10.7

3+70 6.5 10.0

0+40 5.6 10.3

4+45 6.2 10.3

0+10 6.2 9.7

5+15 5.6 10.9

0+85 5.9 10.0

5+53 5.9 10.6

0+60 5.5 10.4

6+15 10.9 5.6

0+13 5.4 10.5

6+45 14.3 2.2

0+55 10.3 5.6

0+85 13.8 2.4

Sta 78+00

PX

STA 77+00

PX

Sta. + H.I. - Elev

STA + HI - ELEV

0+00 = Sta. 78 on T3/L

0+00 = STA 77+00 ON BASE LINE

B.M. 4.81 16.90 12.09

State B.M. 4.77 16.86 12.09

STATE

N0+45 2.15 14.8

edge post
Pac. Hwy T.P. 1.71 15.15

4x4 Post
edge Berm
near STA 77+00

N0+34 2.70 14.2

shoulder N0+44 2.15 14.7

EDGE PAVEMENT
PAC. HWY

N0+19 3.3 13.6

N0+32 3.15 13.7

SHOULDER

N0+00 4.9 12.0

N0+20 7.1 12.8

S0+40 5.6 11.3

S0+60 5.0 11.9

S0+90 5.9 11.0

S0+55 5.6 11.3

S1+60 5.7 11.2

S1+20 6.0 10.9

S2+20 5.4 11.5

S1+80 5.9 11.0

S2+80 6.0 10.9

S2+45 6.1 10.8

S3+45 6.4 10.5

S3+05 6.1 10.8

S4+05 6.2 10.7

S3+85 6.3 10.6

S4+80 6.1 10.8

S4+25 9.8 7.1

S5+23 10.0 6.9

S4+57 14.3 2.6

S5+49 14.3 2.6

B.M. 1.87 16.72 14.85

center/blend
Hi. way Sta.
207+00

State B.M. 4.94 17.03

12.09

N 81 1.92 15.11

W. Profile 177 14.66 2.06

W Profile

N 49 2.28 14.75

W.E. Pav. 144 14.23 2.49

W.E. Pav.

N 36 2.79 14.24

W. Shldr 132 13.64 3.08

W.E. Shldr

N 20 3.5 13.5

117 12.4 4.3

S 6+00 5.1 11.9

S 7+00 11.8 4.9

STA. 76+00

PI

STA	+ HI -	ELEV	
0+00 = STA 76+00 ON BASELINE			
T.P.	1.71 16.86	15.15	4x4 Post EDGE BERM STA 76+00
N 0+40		2.9 14.0	EDGE SHOULDER
N 0+30		3.25 13.7	EDGE SHOULDER
N 0+15		4.5 12.4	
0+00		5.1 11.8	
\$ 0+45		5.7 11.2	
\$ 0+85		5.6 11.3	
\$ 1+50		6.2 10.9	
\$ 2+10		6.2 10.7	
\$ 2+65		5.8 11.1	
\$ 3+00		6.1 10.8	
\$ 3+43		9.8 7.1	
\$ 3+81		14.1 2.8	
T.B.M.	2.25 16.86	14.61	4x4 Post 206+00
N 75		2.41 14.45	W Profile
N 42		2.84 14.02	W.E.P.
N 29		3.23 13.63	W.S.H.
N 19		4.3 12.6	
0		5.1 11.8	

STA 75+00

PX (56)

STA	+ HI -	ELEV	
0+00 = STA 75+00 ON BASELINE			
T.P.	1.90 17.05	15.15	4x4 Post EDGE BERM STA 75+00
N 0+35		3.45 13.65	EDGE PAVEMENT PAC. HWY
N 0+25		3.95 13.10	EDGE SHOULDER
0+12		4.6 12.4	
0+00		5.0 12.0	
0+05		5.9 11.1	
0+10		6.6 10.4	
0+85		6.8 10.2	
0+27		7.3 9.7	
0+60		6.9 10.1	
0+85		10.6 6.4	
0+45		14.2 2.8	
0+00	4.84 16.93	12.09	
0+00		4.9 12.0	
N 24		3.81 13.12	W. Shldr
N 37		3.34 13.59	W.E.Pav.
N 71		2.90 14.03	W. Profile
N 71		2.70 14.23	TOP W. CURB
N 79		2.67 14.26	TOP E. CURB

STA - N 152+00

PX

0+00 = STA. ON - 8/4

STA + H.I. - ELEV

T.B.M. 1.70 17.86 13.16

STA - N 152+00
DE AREA
2' X 2' H.S.CUT AND
FILLING

T.B.M. 1.16 16.70

0+00 5.0 12.8

W - 22' 8.7 9.1

W - 45' 7.8 10.0

W - 65' 7.6 10.2

W - 120' 8.0 9.8

W - 200' 7.8 10.0

W - 250' 8.6 9.2

W - 300' 8.3 9.5

W - 370' 8.6 9.2

W - 393' 10.4 7.0

W - 425' 13.0 4.8

W - 485' 13.7 4.1

STA - N-153+00

PX

0+00 = STA. ON - 8/4

DIST + H.I. - ELEV

T.B.M. 0.97 17.67 -0.97 16.70

450 13.1 4.6

395 10.5 7.2

385 9.6 8.1

385 8.6 9.1

385 8.6 9.1

385 8.8 8.9

385 8.6 9.1

385 8.3 9.0

385 7.6 10.1

385 7.0 10.7

385 6.9 11.8

385 5.5 12.2

3+00 5.0 12.7

I.P. 3.27 14.90

(185+00 ft. W. 8A)
CENTER
HIGHWAY
N-152+00

STA - N-154+00

PX

STA - N 155+00

PX

	DIST	+	H.I.	-	ELEV
T.B.M	2.87		17.27		14.40
0+00				5.0	12.3
W-12'				4.8	12.5
W-16'				6.1	11.2
W-50'				7.2	10.1
W-100'				8.3	9.0
W-160'				9.4	7.9
W-230'				9.7	8.2
W-285'				9.0	8.3
W-345'				8.8	8.5
W-395'				9.8	7.5
W-445'				13.4	3.9
W-485'				13.0 +3.4 15.4	1.9

	DIST	+	H.I.	-	ELEV
T.B.M	2.51		16.91		14.40
					12.35 2.33 14.68
					2.3
				10.6	6.3
				9.2	7.7
				9.4	7.5
				7.9	9.0
				8.4	8.5
				9.0	7.9
				8.5	8.4
				7.5	9.4
				6.5	10.4
				5.4	11.5
				5.0	11.9
				4.8	12.1
				3.14	13.77

185+00 H.W. STA

187+00 H.W. STA

STA - 156+00

PI

DIST

+

STA - 157+00

12-29-49(39)

H.I.

-

ELEV

PX

DIST + H.I. - ELEV

189400

H.V. STA - 189400

T.P 2.63 16.90 13.77

189400

101

T.P 2.61 16.38 13.77

11.7

2.2

13.9

3.3

O+00 7.6 11.8

945

12.4

4.0

W-07 4.8 11.6

920

10.1

5.3

W-10 5.6 10.8

883

7.3

9.1

W-66' 6.8 10.1

850

8.2

8.7

W-143' 8.2 8.2

800

8.1

8.3

W-215' 8.3 8.1

758

8.0

8.4

W-270' 7.7 8.7

700

7.6

8.8

W-325' 7.5 8.9

645

7.4

9.0

W-378' 8.6 7.8

560

6.6

9.8

W-416' 12.0 4.4

45

9.9

10.0

W-460' 12.1
2.3
14.4 2.0

40

5.0

11.4

7.8 11.6

H.V. STA - 189400

3.08 13.30

STA-N 158+00

P

DIST + H.I. - ELEV

T.B.M 2.70 16.00 13.30

0+00 1.6 11.4

W-02' 4.7 11.6

W-13' 5.1 10.9

W-70' 7.0 9.0

W-130' 7.7 8.3

W-180' 7.6 8.4

W-250' 7.7 8.4

W-315' 7.3 8.7

W-355' 8.0 8.0

W-395' 7.5 4.5

W-435' 11.55
2.27
13.72 2.5
4.5

12-29-49

60

STA-N-159+00

P

DIST + H.I. - ELEV

2.68 16.9
15.98 13.3012.5 3.4
~~2.4~~ 13.30
2.68
15.989.4 6.6
5.67.2 8.8
7.86.9 9.1
8.16.7 9.3
8.3

8.0 8.0

6.1 9.9
8.9

5.5 10.5

5.2 10.8
9.8

4.8 11.2

4.5 11.5
10.5

3.19 12.79

3.22 12.76

5.56 10.92

H.W. STA-189+00

13.30

2.68

15.98

CHIEF
ENGINEER
1015/19/40
H.W. STA-189+00S/W COR
M. H.
COMM. COL.

N-160+00			
DIST	+	H.I.	- ELEV
T.B.M	3.06	15.79	12.73
N-0+00		7.7	11.0
N-03		9.8	10.9
N-05		9.1	11.6
N-23		9.4	11.3
N-75		6.3	9.4
N-115		7.7	8.0
N-160		2.5	8.2
N-213		2.9	8.3
N-275		7.3	8.4
N-325		6.6	9.1
N-365		10.4	5.3
N-405		12.9	2.8
		5.17	10.62
		2.80	12.23

N-161+00			
DIST	+	H.I.	- ELEV
T.B.M	2.71	15.44	12.73
N-380			11.5 3.9
N-345			9.1 6.3
N-315			6.3 9.1
N-285			6.2 9.2
N-255			6.9 8.5
N-225			2.1 8.3
N-195			6.9 8.5
N-165			6.3 9.1
N-135			7.9 10.5
N-105			7.1 11.3
N-75			7.9 10.5
N-45			7.8 10.6
N-15			6.3 9.1

12-29-49 P.X (62)

N-163+00

R

N-162+00

	DIST	+	H.I.	-	ELEV
T.B.M	2.70		15.19		12.49
W-345'			11.7		3.5
W-300'			8.4		6.8
W-280'			5.8		9.4
W-225'			5.8		9.4
W-175'			6.3		8.9
W-120'			5.9		9.3
W-85'			6.1		9.1
W-70'			6.1		9.1
W-07'			7.9		10.9
W-04			3.8		11.4
0+00			7.9		10.3

	DIST	+	H.I.	-	ELEV
T.B.M	2.28		15.47		12.49
T.B.M			2.74		12.73
0+00					10.7
05'			5.0		10.5
10'			7.6		10.9
12'			5.2		10.3
15'			6.6		9.9
20'			6.8		8.7
25'			6.5		8.9
30'			6.7		8.8
35'			6.3		9.2
40'			6.3		9.2
45'			8.8		6.7
50'			12.1		3.1

193+00
H.W. STA-192+00
H.W.

12-29-49

(63)

H.W. STA-196+00

	N. 164+00	H.I.	FLEV
DIST			
T.B.M.	4.11	16.35	12.24
T.B.M.		3.86	12.79
0+00		4.7	11.6
W-30'		4.7	11.6
W-40'		5.7	10.6
W-85'		6.5	9.8
W-125'		7.1	9.2
W-185'		6.7	9.6
W-247'		6.2	10.1
W-278'		9.2	7.1
W-320'		13.0	3.3

P

	N. 165+00	H.I.	FLEV
T.B.M.	2.49	14.73	12.24
T.B.M.		10.4	11.3
T.B.M.		8.1	6.6
0+00		7.5	10.2
W-30'		5.1	9.6
W-40'		5.0	9.7
W-85'		5.1	9.6
W-125'		5.3	9.4
W-185'		4.3	10.7
W-247'		2.6	11.1
W-278'		4.9	10.4

STA-136+00
H.W.-101STA-133+00
H.W.-101STA-133+00
H.W.-101

285'

175'

125'

75'

20'

20'

04'

260'

Px

N- 166+00

DIST + H.I. - ELEV

T.B.M. 2.22 12.69

198700
H.W. STA.
101

T.B.M. 2.67 14.91 12.24

196718
H.W. STA.
101

0+00 4.9 10.0

W-03 4.7 10.7

W-07 2.7 12.2

W-09 4.2 10.7

W-35 5.6 9.3

W-90 5.4 9.5

W-135 5.4 9.4

W-200 5.4 9.5

W-232 8.9 6.0

W-275 11.7 3.2

12-29-49 (64)

Px

N- 167+00

DIST + H.I. - ELEV

H.W. STA-198+00

T.B.M. 2.81 15.50 12.69 CENTER ROAD

2.42 12.1 3.4

2.05 8.1 7.4

1.65 5.7 9.8

1.25 5.8 9.7

1.00 5.9 10.2

1.30 6.1 9.4

1.10 5.8 9.7

1.00 4.6 10.9

1.00 3.9 11.6

N-168+00

Px

D, ST + H.I. - ELEV

H.W. STA-20+00

T.B.M 2.59 15.82 13.29

0+00 5.0 10.8

W-04' 7.8 11.0

W-25' 6.2 9.6

W-75' 6.2 9.6

W-145' 6.1 9.7

W-160' 5.3 10.6

W-190' 5.0 9.8

W-245' 9.7 6.4

W-315' 12.6 3.2

12-29-49

(65)

N 169 +00

Px

D, ST + H.I. - ELEV

H.W. STA-20+00

T.B.M 2.83 16.12 13.29 CENTER ISLAND

290 5.1 11.0

235 5.7 10.4

175 6.0 10.1

130 5.7 10.4

75 6.0 10.1

20 5.2 10.9

26 5.4 10.7

07 7.5 11.6

40 7.8 11.3

12-29-49

N- 170+00

0+00 = STA-170+00 DE ANZA R/R

D.I. ST + H.I. - ELEV

17.29

T.B.M 3.41 +7.60

13.80

12.3

0+00

4.9

12.7

11.2

W 55'

6.0

11.4

W- 80'

6.2

11.4

W- 135'

6.1

11.5

W- 185'

6.7

10.5

10.9

1-27-50 (66)

0+00 = STA-W-92+00 (N-158+00)

SECTION NORTH & SOUTH

D.I. ST + H.I. - ELEV

13.40

T.B.M 3.94

13.07

9.46

9.13

2.2

2x2" @ TEST

MILE # 9

WATER

11.2

5.1

4.8

8.3

10.8

5.4

8.0

2.5

10.9

2.9

10.5

3.2

10.2

4.2

9.2

4.5

8.9

4.4

9.0

4.2

9.2

4.4

9.0

4.5

8.9

4.8

8.6

5.0

8.4

4.4

9.0

4.0

9.4

3.6

9.8

8.1

5.3

11.3

11.8

2.1

WATER

1-27-50

0+00 = W-88+00 (N-158+00)
SECTION NORTH & SOUTH

DIST	+	H.I.	-	ELEV	
		13.66		9.46	212 8750
T.B.M	4.20	13.33		9.13	1422 * 3
T.P.			4.70	8.6	3896
N- 187			12.2	1.5	WATER
N- 161		13.7	8.3	5.4	
N- 147			6.3	7.4	
N- 146			5.5	8.2	
N- 135			3.0	10.7	
N- 116			3.9	9.8	
N- 67			7.4	9.3	
0+00			7.8	8.9	
S- 65'			5.2	8.5	
S- 130'			5.1	8.6	
S- 195'			4.9	8.8	
S- 250'			5.1	8.6	
S- 310'			5.3	8.4	
S- 360'			5.2	8.5	
S- 430'			4.7	9.0	
S- 470'			4.9	9.3	
S- 520'			4.2	9.5	
S- 575'			9.1	4.6	
S- 615'			12.2	4.4	
			1.5	1.5	WATER

1-27-50

(67)

0+00 = W-86+00 (N-158+00)
SECTION NORTH & SOUTH

DIST	+	H.I.	-	ELEV	
		13.55		8.96	
T.B.M	4.59	13.22		8.63	
					WATER BETWEEN 86 & 89+00
N- 555'			13.5	12.0	1.5 WATER
N- 510'				8.6	4.9
N- 480'				5.7	7.8
N- 478'				4.8	8.7
N- 465'				3.6	9.9
N- 420'				4.0	9.5
N- 370'				4.4	9.1
N- 320'				4.8	8.7
N- 270'				5.1	8.4
N- 220'				5.3	8.2
N- 175'				5.2	8.3
N- 125'				5.1	8.2
N- 70'				5.1	8.4
0+00				4.8	8.7
N- 70'				4.3	9.2
N- 112'				4.1	9.7
N- 147'				3.3	10.2
N- 165'				5.2	8.3
N- 165'				6.2	7.3
N- 185'				8.8	4.7
N- 210'				11.9	1.6
					WATER

1-27-50

0+00 = W-84+00 (N-158+00)

SECTION NORTH & SOUTH

PX

DIST.	+	H.I.	-	ELEV	(LATH)
T.P.	3.89	12.85		8.96	LATH BETWEEN 82 & 84+00
		12.52		8.62	
T.P.			3.88	8.97	LATH BETWEEN 82 & 84+00
N { 235'			11.2	8.64	LATH BETWEEN 82 & 84+00
N { 215'		12.8	8.9	7.3	1.6 WATER
N - 190'			5.8	3.9	
N - 185'			4.8	2.0	
N - 166'			3.2	8.0	
				3.6	
N - 142'			3.7	9.1	
N - 102'			3.9	8.9	
N - 50'			4.0	8.8	
0+00			4.3	8.5	
S - 55'			4.3		
S - 110'			4.8	8.5	
0+00			4.4	8.4	
S - 170'			4.7	8.1	
S - 225'			4.5	8.3	
S - 275'			4.2	8.6	
S - 330'			3.3	9.5	
S - 410'			3.4	9.4	
S - 465'			8.4	4.4	
S - 500'			11.1	1.7	
				1.4	

1-27-50

(68)

0+00 = W-82+00 (N-158+00)

SECTION NORTH & SOUTH

PX

DIST.	+	H.I.	-	ELEV	(LATH)
T.P.	4.37	13.34		8.97	LATH BETWEEN 82 & 84+00
		13.01		8.64	
T.P.			4.37	8.64	
445'		13.3	11.6	1.7	WATER
410'			9.0	4.3	
360'			4.3	9.0	
310'			4.3	9.0	
260'			4.4	8.9	
210'			4.8	8.5	
160'			5.1	8.2	
115'			5.1	8.2	
60'			5.1	8.2	
100'			4.9	8.1	
45'			4.8	8.5	
35'			4.4	8.9	
145'			3.7	9.6	
185'			3.5	9.8	
225'			7.9	5.4	
250'			11.6	1.7	WATER
				1.4	

0+00 W-80+00 (N-158+00)
SECTION NORTH & SOUTH

Px

0+00 = W-79+00 (N-158+00)
SECTION NORTH & SOUTH

(69)

Px

DIST	+	H.L.	-	ELEV
T.P.	4.78	13.75	13.92	8.97 8.64
N - 260		13.7	11.9	1.8
N - 223			7.9	5.8
N - 180			2.7	11.0
N - 135'			3.8	9.9
N - 75'			4.6	9.1
N - 40'			4.7	9.0
0+00			4.8	8.9
S - 50'			5.0	8.7
S - 100'			4.9	8.8
S - 150'			5.0	8.7
S - 215'			4.7	9.0
S - 245'			4.6	9.1
S - 298'			4.3	9.4
S - 345'			3.3	9.4
S - 383'			12.0	1.7 1.9
T.P.		13.75	2.59	11.16 10.83
T.B.M.		13.75	3.91	9.84 9.51

LATH BETWEEN
82' E 80+00

OLD 3" x 5" T.P. = 11.24
TOP BANK B
T.P. ON DEPENDENT
2 1/2' @ 30° S
EDGE OF T.P. = 9.91
DE-ANZA POINT

DIST	+	H.L.	-	ELEV
T.P.	3.20	14.44	14.03	11.24 10.83
- 210'		14.4	12.4	2.0 4.6
- 175'			8.9	5.5
- 111'			3.7	10.7
- 50'			4.2	10.2
0+00			4.8	9.6
S - 70'			5.1	9.3
S - 115'			5.1	9.3
S - 125'			4.9	9.5
S - 135'			4.9	9.5
S - 230'			9.6	4.8
S - 315'			12.4	2.0 4.6

LATH BETWEEN
82' E 80+00
2 1/2' @ 30° S

WATER?

WATER

1-27-50

(70)

0+00 = W-78+00 (N-158+00) ~~PX~~
SECTION NORTH & SOUTH

CHECK LEVELS TO DE-ANZA POINT

DIST	+	H.I.	-	ELEV	STA	+	H.I.	-	ELEV
T.P.	0.80	12.04		11.24	B.M.	1.52	15.36		13.89
		4.63		10.83					
					T.P.	3.51	15.27	3.60	11.76
					T.P.	3.34	14.99	3.67	11.60
					T.P.	2.83	14.59	3.38	11.56
N-110'		12.0		2.2	T.P.	3.64	14.65	3.58	11.01
		11.6	9.8	1.8					
N-50'			6.8	5.2	T.P.	2.24	14.26	2.67	12.02
0+00			4.8	7.2	T.P.	3.92	14.77	3.41	10.85
S-50'			4.3	4.7	T.P.	3.03	14.13	3.67	11.10
S-111'			5.3	6.7	T.B.M.			4.67	9.46
S-172'			7.3	4.7	T.B.M.			3.57	10.56
S-233'			9.7	2.3	T.P.	3.36	14.26	3.23	10.90
				1.8			14.77		
					T.P.	4.40	18.66	3.89	10.37
					T.P.	3.27	14.61	4.13	10.67
DUE WEST								3.37	11.24
W-37'			1.2	10.8				4.70	9.91

STA. 202+00
ON H.W. 101
CENTER ISLAND

#2 (1"x2")

ON SHOULDER

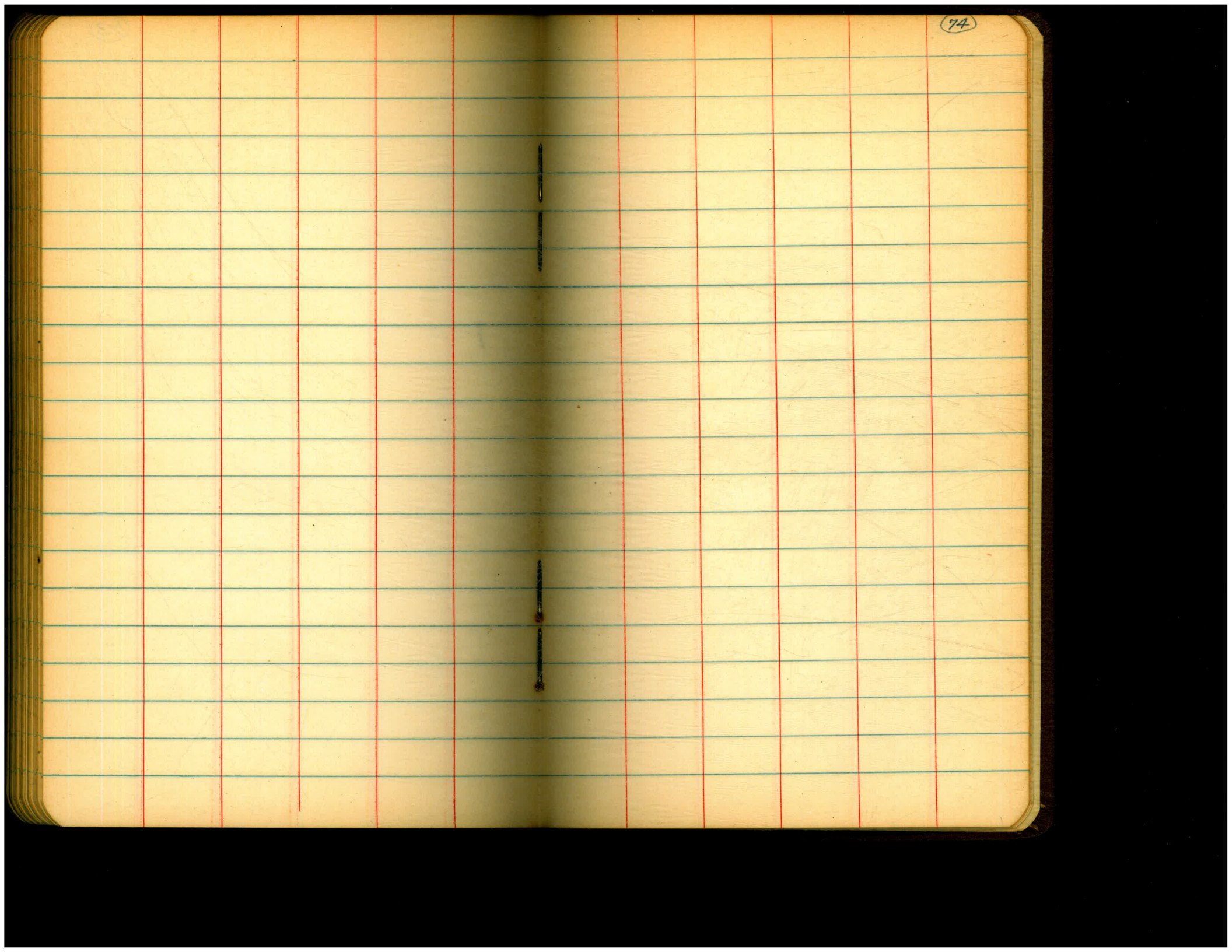
#4 (1"x2")

ON SHOULDER

#6 (1"x2")

ON SHOULDER

2"x2" (HOLE)
#92"x2" NEAR
HOLE #92"x2" ON EDGE
OF SHOULDER
AT TIP OF
DE-ANZA
2" x 8" AT SOUTH
EDGE TIP OF DE-ANZA
POINT



207+00 - 14.85
206+00 - 14.61 7 90
205+00 - 14.36 7 75
204+00 - 14.09 6 5
203+00 - 13.80 3 4
202+00 - 13.84 0 0
201+00 - 13.29
200+00 - 13.07
196+00 - 12.24

7 03
1 72
7 03
2
9.31

B
a
c
a
a²
o²
5
6
C
-B)
+B)
by the
19.4 ft.
10' =
slope
th the
ollow-
=.0041.
e dist-
=14 ft.,
8 ft.
J. S. A.

CHISELED \otimes CONC CURB = 13.04 - 12" DRAIN

10.69
+ 6.14

16.83
5.51

11.32

12.55 N/E COR M.H.

7.37
9.49
2.75

12.44

B.C. 4 6.27 17.5 0'
5.95 158

0.32 17

10.2
12

100
78.

12
.25

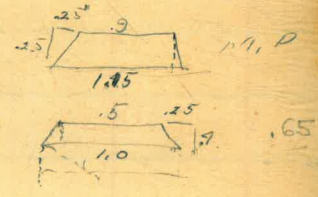
60
24

300

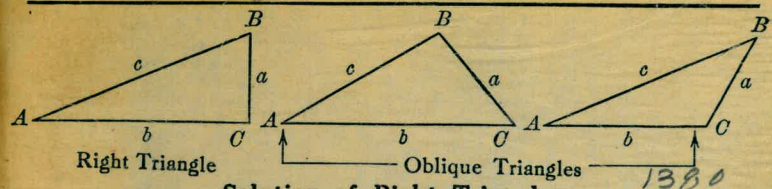
2"x2" 100± S/ STA-33+00 S/D/S = 8.94
2"x8" ON TIP DEAZA POINT = 10.06
2"x2" ON T.P DE-ANZAPT. = 11.33

1.4
25

1.15



TRIGONOMETRIC FORMULÆ



Solution of Right Triangles

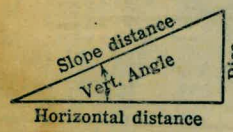
For Angle A. $\sin = \frac{a}{c}$, $\cos = \frac{b}{c}$, $\tan = \frac{a}{b}$, $\cot = \frac{b}{a}$, $\sec = \frac{c}{a}$, $\operatorname{cosec} = \frac{c}{b}$

Given a, b	Required A, B, c	$\tan A = \frac{a}{b} = \cot B$, $c = \sqrt{a^2 + b^2} = a \sqrt{1 + \frac{b^2}{a^2}}$
a, c	A, B, b	$\sin A = \frac{a}{c} = \cos B$, $b = \sqrt{(c+a)(c-a)} = c \sqrt{1 - \frac{a^2}{c^2}}$
A, a	B, b, c	$B = 90^\circ - A$, $b = a \cot A$, $c = \frac{a}{\sin A}$
A, b	B, a, c	$B = 90^\circ - A$, $a = b \tan A$, $c = \frac{b}{\cos A}$
A, c	B, a, b	$B = 90^\circ - A$, $a = c \sin A$, $b = c \cos A$

Solution of Oblique Triangles

Given A, B, a	Required b, c, C	$b = \frac{a \sin B}{\sin A}$, $C = 180^\circ - (A + B)$, $c = \frac{a \sin C}{\sin A}$
A, a, b	B, c, C	$\sin B = \frac{b \sin A}{a}$, $C = 180^\circ - (A + B)$, $c = \frac{a \sin C}{\sin A}$
a, b, C	A, B, c	$A + B = 180^\circ - C$, $\tan \frac{1}{2}(A - B) = \frac{(a - b) \tan \frac{1}{2}(A + B)}{a + b}$ $c = \frac{a \sin C}{\sin A}$
a, b, c	A, B, C	$s = \frac{a + b + c}{2}$, $\sin \frac{1}{2}A = \sqrt{\frac{(s - b)(s - c)}{bc}}$ $\sin \frac{1}{2}B = \sqrt{\frac{(s - a)(s - c)}{ac}}$, $C = 180^\circ - (A + B)$
a, b, c	Area	$s = \frac{a + b + c}{2}$, $\text{area} = \sqrt{s(s - a)(s - b)(s - c)}$
A, b, c	Area	$\text{area} = \frac{bc \sin A}{2}$
A, B, C, a	Area	$\text{area} = \frac{a^2 \sin B \sin C}{2 \sin A}$

REDUCTION TO HORIZONTAL



Horizontal distance = Slope distance multiplied by the cosine of the vertical angle. Thus: slope distance = 319.4 ft. Vert. angle = $5^\circ 10'$. From Table, Page IX. $\cos 5^\circ 10' = .9959$. Horizontal distance = $319.4 \times .9959 = 318.09$ ft. Horizontal distance also = Slope distance minus slope distance times (1 - cosine of vertical angle) With the same figures as in the preceding example, the following result is obtained. $\cos 5^\circ 10' = .9959$. $1 - .9959 = .0041$. $319.4 \times .0041 = 1.31$. $319.4 - 1.31 = 318.09$ ft. When the rise is known, the horizontal distance is approximately:—the slope distance less the square of the rise divided by twice the slope distance. Thus: rise = 14 ft., slope distance = 302.6 ft. Horizontal distance = $302.6 - \frac{14 \times 14}{2 \times 302.6} = 302.6 - 0.32 = 302.28$ ft.