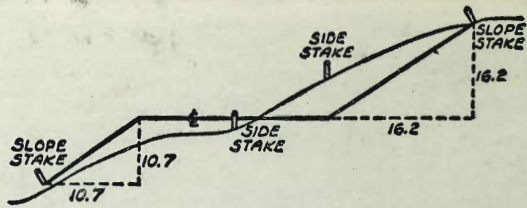






G-349



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

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

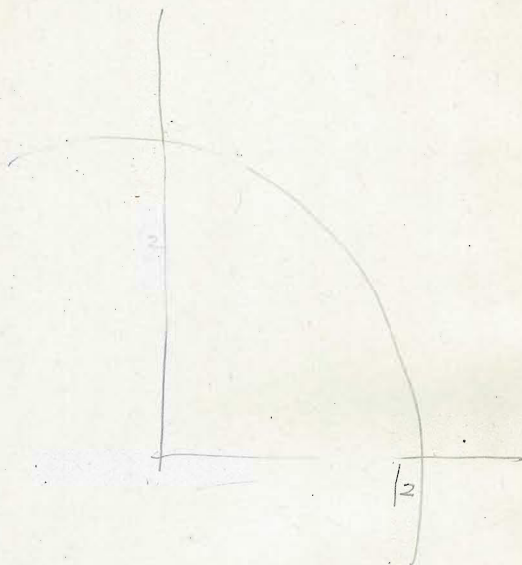
Distance of slope stake from side or shoulder stake for any width roadway, slope 1 to 1. If ground is nearly level, the cut or fill at side stake is located by the double entry method in left column and top row. The number in body of table in same row and column gives distance from side stake to slope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

MICROFILMED

APR 16 1965

0	0
1	1
2	2
3	3
4	4
5	5
6	6
7	7
8	8
9	9
10	10
11	11
12	12
13	13
14	14
15	15
16	16
17	17
18	18
19	19
20	20
21	21
22	22
23	23
24	24
25	25
26	26
27	27
28	28
29	29
30	30
31	31
32	32
33	33
34	34
35	35
36	36
37	37
38	38
39	39
40	40
41	41
42	42
43	43
44	44
45	45
46	46
47	47
48	48
49	49
50	50

Distance  
ground is  
column 2  
side staki  
side staki  
cut or fill  
If it does



DIRECTIONS FOR USE OF TABLES

TABLE No. XIV

Distance of slope stake from side or shoulder  
stake for any width roadway, slope 1 1/2 to 1  
If ground is nearly level, the cut or fill at any  
stake is located by the column 2.

IMPROVED TABLES  
AND  
INFORMATION

cut target. If it does not make the right ad-  
justment necessary -  $CO = \frac{CO}{NO}$

TABLE No. VIII

To find Tangent and External for curve of  
any other degree, divide by degree of curve and  
add correction found in column of corrections.  
Degree of curve with a given  $L$  may be found  
by dividing tangent (or external) opposite  $L$  by  
tangent (or external)  $L = 1$ .

The distance from a point on the tangent to  
the curve is very nearly the point of the tangent  
length divided by twice the tangent  $L = 2$ .

TABLE No. VII  
Tangent and External for curve of  
any other degree, divide by degree of curve and  
add correction found in column of corrections.



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(For Additional Notes See G-364 Pages 50-59)		
79-	GRADES N. LEVEE M. BAY FLOOD CHANNEL	9-11-57



PAVING GRADES ALLEY BLK 192 PACIFIC BEACH

W.O. 31959

Lt.                                  \$  
Ref DW912704-L    5-10-56

RT.                                  ①  
Stamper  
Huffman  
Kelley

0+40

FO<sup>34</sup>

20.44

20.78

20.28

CO<sup>20</sup>

20.78

20.58

~~PK~~ Nail

0+20

FO<sup>12</sup>

0.57

20.69

CO<sup>12</sup>

20.61

20.49

PK

0+10 = W. Lat. Lt.

FO<sup>05</sup>

20.59 ✓

20.64

RR 2' N. &

Rise ✓

0+05 = S. Lat. No 4 Lt.

CO<sup>46</sup>

20.67 ✓

14.21

RR 5' bk.

PK

13.52

9.29

Main

0+00 = N. W. Felspar St.

CO<sup>23</sup>

20.83

20.60

20.10

CO<sup>46</sup>

20.86

20.40

T.M.

22.74

Nail PPN<sup>o</sup> PA-4625 Sta. 1+28-9<sup>4</sup> Lt.

B.M.

30.92

SWBP Diamond St & Mission Blvd.



ALLEY BLK. 192

1+25 = S.L. Alley Ely

1+18 = W. Lat Lt.

1+13 = S. Lat N<sup>o</sup> 2 Lt

1+00

0+64 = W. Lat Lt.

0+59 = S. Lat N<sup>o</sup> 3 Lt.

Lt

±

Rt

②

C 0<sup>04</sup>

21.88

21.84

21.64

21.63

F 0<sup>01</sup>

21.74

21.75

RP 2' N. &

Riser

C 5.63

21.44 ✓

15.81

RP 5<sup>o</sup> bk.

R.

15.28

(1.57  
± Main)

F 0.34

21.19 ✓

21.53

C 0<sup>01</sup>

21.34

21.33

Nail

F 0.24

20.84 ✓

21.08

C 0.13

21.01 ✓

20.88

Nail

C 5.86

20.87 ✓

15.01

RP 5<sup>o</sup> bk.

R.

14.40

5.43

± Main



ALLEY BLK. 192

2+26 = W. Lat Lt.

F0.13  
22.97 ✓  
23.10

C0.19  
23.09  
22.90

2+21 = S. Lat N°1 Lt.

C5.44  
22.98 ✓  
17.54  
RP 5° 00  
R 17.04

2+00

C0.14  
22.92 ✓  
22.78  
Chris' 1266

C1.48  
24.26 ✓  
22.58  
Chris' 1266  
Top Wall

1+72<sup>5</sup>

C0.26  
22.69 ✓  
22.43  
Chris' 1266

C1.62  
23.85 ✓  
22.23  
Chris' 1266  
Top Wall

27<sup>5</sup>

1+45 = N.L. Alley Ely

F0.21  
21.88 ✓  
22.09

21.90  
21.90

1+35 = E Alley Ely

21.52  
21.51



Lt.                      ±                      Rt.

ALLEY BIK. 192

T.B.M.

22.74 - 22.74 (Starting Bench)

2+70 = S.L. Emerald St. (Meet Existing Post)

23.50                      23.45  
23.50                      23.16                      23.45

2+50

CO 28                      CO 16  
23.68 ✓                      23.36 ✓  
23.40                      22.90                      23.20



PAVING GRADES ALLEY BLK, 302

PACIFIC BEACH W.O. 32176

Lt.

E

Rt

⑤

12-27-56

Stamped  
Garbey  
Bluff

1+60

F058  
635  
26.93

C033  
746  
27.13

1+20

F020  
535  
25.55

C050  
625  
25.75  
⊕

0+80

C007  
471  
24.64

F009  
475  
24.84

0+40

C023  
441  
24.18

C027  
465  
24.38  
⊕

0+00 = E.L. Gresham St.

23.51

23.09

23.41

B.M.

21.19

NWBP. Pac. Beach Drive & Gresham St.



ALLEY BLK. 302

3+00

Lt.                    ♂  
C 2.05  
534  
33.29  
⊕

RT                    Ⓞ  
C 0.11  
360  
33.49

2+80 = 5. Lat N° 1, RT; RP 5° bk. H.

C 5.55  
2.95  
27.40

2+80

Gr.  
224  
32.24  
025bk

C 0.20  
2.64  
32.44

2+40

C 0.05  
035  
30.30

C 0.55  
1.05  
30.50

TP.

28.99

C 3.67  
856  
24.89

2+10 = 5. Lat N° 3 - Lt. RP 5° bk. H.

F 0.34  
819  
28.53

C 0.06  
879  
28.73

2+00



ALLEY BLK. 302

4+50

4+00

3+95 = S. Lat. N<sup>o</sup> 2 - Rt. RP. 5<sup>o</sup> bk P

TP

3+60

3+40

3+20

Lt.

E

Rt

⑦

C029

228  
42.04  
1<sup>90</sup> bk

C032

938  
39.06

C097

764  
36.67

C0.23

572  
35.49

C1.31

568  
34.37

wly-Dr-Wy

?

C022

321  
42.24  
0<sup>78</sup> bk

C1.40

066  
39.26  
1<sup>08</sup> bk. PK.

C4.84

879  
33.90

F0.18

669  
36.87

C0.07

576  
35.69

C0.13

470  
34.57



ALLEY BLK. 302.

4+99<sup>05</sup> = W.L. Haines St.

4+80

Lt.

£

Rt

⑧

4.57  
44.57

FO 20  
3.63  
43.83

4.81  
44.80

CO 33  
4.36  
44.03  
0.67 bk  
P.K.



GRADES 55-TH. ST. ORANGE AVE SLY

W.O. 62935

Rough Curb

Edge Conc  
95 out  
Grutter from Cb.

Dwg 12913-L SHTS 3,4

3-14-57

9

P.O.C.  $\phi = 60^\circ$

367.00

FO<sup>15</sup>  
6.85  
367.00

P.O.C.  $\phi = 45^\circ$

366.90

FO<sup>20</sup>  
6.70  
366.90

P.O.C.  $\phi = 30^\circ$

367.00

FO<sup>01</sup>  
6.99  
367.00

P.O.C.  $\phi = 15^\circ$

367.15

FO<sup>11</sup>  
7.04  
367.15

O+00 = E.C.S.W. Cb Ret  
CBE - 41'4" = 90°  
L = 64.40'

v

C202  
9.32  
367.30

FO<sup>19</sup>  
7.11  
367.30

C048

7.11  
366.63

FO<sup>10</sup>

6.74  
366.84

366.88

B.M.

377.96

Top  $\pm$  Bolt 2+47.44



55-TH. 57

L+

E

10

	Rough	Curb	Gutter	Edge Cont. 25' out from Cb.	
1+09		FO <sup>28</sup> 8.94 369.22	CO <sup>39</sup> 8.94 368.55	FO <sup>25</sup> 8.65 368.90	369.21
0+89		C2 <sup>13</sup> FO <sup>29</sup> 7.085 8.43 368.72 368.72	CO <sup>38</sup> 8.43 368.05	FO <sup>24</sup> 8.15 368.39	368.67
0+69		FO <sup>37</sup> 7.97 368.34	CO <sup>30</sup> 7.97 367.67	FO <sup>20</sup> 7.78 367.98	368.21
0+49		C2 <sup>10</sup> FO <sup>25</sup> 7.15 7.80 368.05 368.05	CO <sup>42</sup> 7.80 367.38	FO <sup>17</sup> 7.50 367.67	367.84
P.R.C. B.C. $\Delta = 90^\circ$		FO <sup>28</sup> 7.12 367.40	FO <sup>06</sup> 7.34 367.40		
P.O.C. $\Delta = 75^\circ$		FO <sup>80</sup> 6.40 367.20	FO <sup>73</sup> 6.47 367.20		



55-TH ST.

L+

€

①

	Rough	Curb	Gutter	Edge Conc. 95' out from Cb	
	CO 65	FO 48	CO 02		
	209	096	096		
E.C. 1+77.50 $\Delta = 29^{\circ}51'27''$	371.44	371.44	370.94		371.85
10.46		FO 58			
		052			
P.O.C. $\Delta = 14^{\circ}55'43''$		371.10			
10.45		FO 51			
		024			
P.R.C. Cb R=40.13 $\Delta = 29^{\circ}51'27''$ $\Delta = 29^{\circ}51'27''$ $L = 20.91$		370.75			
5.24		FO 50			
		008			
P.O.C. $\Delta = 14^{\circ}55'43''$		370.58			
5.25	C 141	FO 48	CO 19	FO 31	
	7182	9.93	9.93	9.81	
1+47.50 = B.C.P.F. Cb R=20.13' $\Delta = 29^{\circ}51'27''$ L=10.49'	370.41	370.41	369.74	370.12	370.46
	370.41				
175	C 168	FO 28	CO 39	FO 27	
	7152	9.56	9.56	9.26	
1+29	369.84	369.84	369.17	369.53	369.84



55-TH. 5T

LT

€

(12)

ROUGH CURB

TR.  
 $3+02 = B.C.L.T.$   
 $cb.R = 10'4 = 90^\circ$

374.08

FO<sup>39</sup>

374.46  
 $\frac{407}{374.46}$

374.46

2+87.50

C1.64  
 $\frac{589}{374.25}$  FO<sup>34</sup>  
 $\frac{391}{374.25}$

374.25

2+67.50

FO<sup>38</sup>  
 $\frac{354}{373.92}$

373.92

2+47.50

C2.39  
 $\frac{591}{373.52}$  FO<sup>44</sup>  
 $\frac{308}{373.52}$

373.52

2+27.50

FO<sup>47</sup>  
 $\frac{257}{373.04}$

373.04

2+07.50

C1.22  
 $\frac{370}{372.48}$  FO<sup>34</sup>  
 $\frac{214}{372.48}$

372.48



55-TH ST

LT

E

(13)

Rough

Curb

C 1.72 F0<sup>37</sup>

6.52 4.43

3+67

v 374.80 374.80

374.80

F1<sup>69</sup>

3.40

B.C.  $\Delta = 90^\circ$ 

375.09 375.09

F1<sup>40</sup>

3.53

P.O.C.  $\Delta = 45^\circ$ 

374.93

F0<sup>41</sup>

4.37

3+47 = E.C.  
C.B.R. = 10'  $\Delta = 90^\circ$ 

374.78 374.78

374.79

F0<sup>14</sup>

4.63

E.C.  $\Delta = 90^\circ$ 

374.77 374.77

F0<sup>49</sup>

4.11

P.O.C.  $\Delta = 45^\circ$ 

374.60

C 1.94

6.62

3+27<sup>5</sup> (Rough Grade Only) v 374.68 374.68



55-TH ST Lt

€

(1A)

Rough CURB

		CO.16	FO 51	
		351	284	
4+89	✓	373.35	373.35	373.35

			FO 34	
			3.44	
4+69		373.78	373.78	373.78

		CO.11	FO 26	
		525	388	
4+49	✓	374.14	374.14	374.14

			FO 29	
			414	
4+27		374.43	374.43	374.43

		CO.68	FO 37	
		530	425	
4+07	✓	374.62	374.62	374.62

			FO 39	
			436	
3+87		374.75	374.75	374.75



55-TH. ST

Lt

±

Rt

Rough Curb

		FO 47			± 379
P.O.C. $\Delta = 42^\circ 01' 22''$	371.15	<sup>068</sup> 371.13	368.12	368.62	6 + 22.81
10'			<sup>17.5</sup> ± 8' Gutter	<sup>5'</sup>	

		FO 55			± 379
P.O.C. $\Delta = 33^\circ 04' 13''$		<sup>082</sup> 371.37		370.06	5 + 89
10'				<sup>5'</sup>	

		FO 96			
P.O.C. $\Delta = 24^\circ 07' 04''$	371.60	<sup>064</sup> 371.60		370.86	5 + 69
13.47				<sup>5'</sup>	

		FO 95			
P.O.C. $\Delta = 12^\circ 03' 32''$		<sup>097</sup> 371.92		371.60	5 + 49
				<sup>5'</sup>	

		FO 09	FO 54		
2-d = 53.714793		<sup>215</sup>	<sup>170</sup>		
5 + 29.28 = R.C. Lt.	✓	372.24	372.24	372.24	
Cb. R = 64' L = 67.02'				<sup>5'</sup>	
$\Delta = 60^\circ$					

		FO 50			
5 + 09	✓	<sup>234</sup> 372.84	372.84	372.84	
				<sup>5'</sup>	



47  
Rough Curb  
C2.65 FO<sup>26</sup>

55-TH ST

E.C.  $\Delta = 60^\circ$

7235 944  
369.70 369.70

13.04'

FO<sup>15</sup>  
982  
369.97

P.O.C.  $\Delta = 43^\circ 01' 26''$

13.04'

FO<sup>20</sup>  
0.05  
370.25 370.25

P.O.C.  $\Delta = 26^\circ 02' 37''$

370.25

C1<sup>16</sup>  
9.28  
368.12 6+22.81 7<sup>5</sup> 4.4  
(7.5) Cross Gutter  
(ditch)

10'

FO<sup>27</sup>  
020  
370.47

P.O.C.  $\Delta = 13^\circ 01' 18''$

10'

C1.48 FO<sup>45</sup>  
218 025  
370.70 370.70

2-d = 78.130609

P.R.C. Ch.R = 44'  $\Delta = 60^\circ$   
 $\Delta = 60^\circ$  L = 46.08'

r

366.50

4 sta  
6+72.81 End Part

10.04

FO<sup>44</sup>  
0.48  
370.92

P.O.C.  $\Delta = 51^\circ 00' 40''$

367.56

25'  
6+47.81

10.04'

25'



lt  
Rough curb

55-TH ST

CO 47

P.O.C.  $\Delta = 14^{\circ}06'50''$

8.12  
367.65

10.84

F068 CO 63

P.R.C. Cb.R = 44'  $\Delta = 28^{\circ}13'39''$  ✓  
 $\Delta = 28^{\circ}13'39''$   
L = 21.68'

6747 8.78  
368.15 368.15

7.39

CO 29

P.O.C.  $\Delta = 14^{\circ}06'50''$

886  
368.57

7.40

CO 17 CO 78

B.C.Lt. Cb.R = 30'  
 $\Delta = 28^{\circ}13'39''$   
L = 14.79'

✓ 917 9.78  
369.00 369.00

E.C.

FO 37

913  
369.60 369.50

B.C.Lt. Cb.R = 4'  $\Delta = 67^{\circ}49'02''$   
 $\Delta = 90^{\circ}$  L = 6.28'

FO 31

9.24  
369.55 369.55

6' Curve



LT

E

(18)

Rough curb

55-TH ST

PRN# 652822-H

TBM, - Set R.K. Nail

372.30 372.30

S.W. Cor opp Hebrew Home  
for aged

CC CO<sup>59</sup>

E.C.  $\Delta = 89^{\circ}48'10''$

6.67 7.09  
366.50 366.50

~~P.O.C.  $\Delta = 44^{\circ}54'$~~

366.75

FO<sup>33</sup> CO<sup>62</sup>

B.C. Lt. Cb. R = 6'  
 $\Delta = 89^{\circ}48'10''$  L = 9.40

6.67 7.62  
367.00 367.00

4'

CO<sup>32</sup>

E.C.  $\Delta = 28^{\circ}13'39''$

7.47  
367.15 367.15

10.84



Lt

Rt

GRADES SHARRON PLACE ORANGE TO TROJAN

W.O. 62935 Rough

CO<sup>06</sup> CO<sup>05</sup>  
Rough

P.O.C. 4 = 51° 25' 00"

FO<sup>06</sup>  
797  
368.03 368.03

10.70

P.O.C. 4 = 38° 34' 15"

CO<sup>05</sup>  
792  
367.87 367.87

10.70

P.O.C. 4 = 25° 43'

~~FO<sup>01</sup>~~ CO<sup>79</sup>  
770 8.50  
367.71 367.71

10.10

P.O.C. 4 = 12° 51' 25"

~~FO<sup>11</sup>~~ CO<sup>69</sup>  
745 8.25  
367.56 367.56

10.70

A = 90° L = 70.691

O-15 = Ctr 45' C.R.

B.C. = 614 End = P.R.C.

O+00 = Nly Line Orange Ave

FO<sup>06</sup> C 2.64  
734 70.04  
367.40 367.40

<sup>55+65</sup>  
O-38<sup>5</sup> = 2' W. of tip Line Prod. & N of &  
& Cross Gutter Cross Gut

CO<sup>05</sup> ~~CO<sup>04</sup>~~ CO<sup>61</sup>  
605 ~~611~~ 649  
366.00 ~~366.00~~ 365.88

W. End of Cross Gut  
PK. Nail 2' W. of End  
on & Produced

B.M.

368.03

Top <sup>3</sup>/<sub>4</sub>" Pipe O+00



SHARRON PLACE

Lt

±

Rt

Cur

P.O.C.  $\angle = 41^{\circ} 23' 46''$

FO<sup>10</sup>  
825  
368.35 368.35

7.45

P.O.C.  $\angle = 20^{\circ} 03' 13''$

CO<sup>16</sup>  
861  
368.45 368.45

7'

2-d = 171.88734  
O+08 = EC = 5' Rt  
C/R = 20' = 15' Lt. To Ch.  
 $\angle = 90^{\circ}$  L = 31.42'

FO<sup>68</sup> FO<sup>02</sup>  
775 839  
368.43 368.43

368.55

FO<sup>43</sup> CA<sup>31</sup>  
817 7291  
358.60 368.60

EC  $\angle = 90^{\circ} 00'$

FO<sup>23</sup> CA<sup>37</sup>  
828 7288  
368.51 368.51

10.09'

P.O.C.  $\angle = 77^{\circ} 08'$

FO<sup>02</sup>  
832  
368.34 368.34

10.10

P.O.C.  $\angle = 64^{\circ} 16' 25''$

CO<sup>08</sup>  
827  
368.19 368.19

10.10



L+

R+

SHARRON PLACE

E.C.  $\Delta = 90^{\circ}00'$

~~368.60~~ ~~368.60~~

7.29

C171

$\mathcal{R}$   
P.O.C.  $\Delta = 62^{\circ}08'48''$

7022  
368.51 368.51

8.13

FO<sup>35</sup>

P.O.C.  $\Delta = 31^{\circ}05'33''$

818  
368.53 368.53

8.14

2-d = 229.18312  
 $\Delta = 90^{\circ}00'$   
D + 20.50 = B.C. R+  
60' at 70' ch. cb. R = 15'  
 $\Delta = 90^{\circ}L = 23.56'$

FO<sup>33</sup> (3.16  
822 71.71  
368.55 368.55

$\Delta = 90^{\circ}00'$   
B.C. ORANGE

367.67 367.67

8.49

CO<sup>14</sup>

P.O.C.  $\Delta = 65^{\circ}41'23''$

8.15  
368.01 368.01

8.48



SHARRON PLACE

LT  
Curb

±

RT  
C

	F0.45	F0 <sup>03</sup>			F0 <sup>38</sup>	C3.36
0+98	6687	729		367.35	700	7074
	✓ 367.32	367.32			367.38	367.38

<del>B.C.A. Δ = 90°00"</del>					368.20	368.20
------------------------------	--	--	--	--	--------	--------

7.29					C2 <sup>37</sup>	
------	--	--	--	--	------------------	--

P. P. P.O.C. Δ = 62°08'48"					7044	368.07
					368.07	368.07

8.13					F0 <sup>27</sup>	
------	--	--	--	--	------------------	--

P.O.C. Δ = 31°05'33"					762	367.89
					367.89	367.89

8.14		Gr.			F0 <sup>21</sup>	C3.33
2d =		760			750	7104
0+75 <sup>50</sup> = E.C.	✓	367.60			367.71	✓ 367.71
60' R + 70' Ch. R = 15'						
Δ = 90° L = 23.56'						

33 <sup>5</sup>		F0 <sup>56</sup>	C0 <sup>13</sup>			
0+42-Lt. only	✓	745	814			
		368.01	368.01			
		Ch 15' R				

34						
----	--	--	--	--	--	--



LT

±

RT

SHARRON PLACE

Rough

Corb

Top brick wall TP by LT+RP Sharon Pl. + Vake Way	264.93	C 1.86	CO <sup>26</sup>				
2 + 21.10 = BC. SE Ret. 5' LT to ctr. R = 10' A = 102° 04' 20" h = 17.81		61.66	60.86				
		359.80	359.80				
		C 1 <sup>20</sup>	CO <sup>19</sup>			CO <sup>68</sup>	C 8.76
2+08		62.10	61.09			1.65	697.3
		360.90	360.90	360.93		360.97	360.97
TP	361.39						
		F 0.56	CO <sup>07</sup>			F 0 <sup>06</sup>	C 7.41
1+78		62.87	3.50			3.42	70.89
		363.43	363.43	363.45		363.48	363.48
		ch 13.1					
			F 0 <sup>05</sup>			F 0 <sup>34</sup>	364.97
1+58			4.89			4.63	
		364.94	364.94	364.95		364.97	364.97
			F 2.89			F 0 <sup>32</sup>	C 4.183
1+38		63.20	6.05			5.80	70.75
		366.09	366.09	366.10		366.12	366.12
			F 0 <sup>11</sup>			F 0 <sup>33</sup>	
1+18			6.78			6.60	
		366.89	366.89	366.91		366.93	366.93
1+02 = Sewer	65° 03' 4" (see pg 62)						



Lt

Rt

SHARRON PLACE

E.C.# 4 = 90° 00"

360.50 360.50

8.07

P.O.C. 4 = 59° 07' 45"

360.05 360.05

8.09

P.O.C. 4 = 28° 16"

C2 <sup>78</sup>  
6238  
359.60 359.60

7.39'

2-d = 229.1831  
2+42.22 = B.C.Rt.  
60'-Rt to ctr. R = 15'  
A = 90° L = 23.56

C5 <sup>21</sup> C6.43  
6471 6593  
359.50v 359.50

A = 102° 02' 38"  
E.C. Vale Way

358.82 <sup>8.70</sup> 358.82  
L meet

8.0'

C1 <sup>89</sup>

P.O.C. A = 50° 28' 39"

6104  
359.20 359.20

8.81



Lt

rt

SHARRON PLACE

Curb Curb  
Rough

B.C.  $\Delta = 180^\circ 00'$

361.50 361.50

10.53'

P.O.C.

360.78 360.78

10.54'

P.O.C.

360.07 360.07

10.54

P.O.C.  $\Delta = 59^\circ 14' 38''$

CO 34  
9.69  
359.35 359.35

7.76'

P.O.C.  $\Delta = 29^\circ 36' 10''$

CO 40  
9.72  
359.32 359.32

7.75'

$e-d = 229.1831$   
 $2+92.71 = EC, RT$   
 $37' RT = ctr 15' cb, R.$   
 $\Delta = 180^\circ L = 47.12'$

CO 38 CO 84  
5.68 60.14  
359.30 359.30  
359.30

49.80'

$2+91.21$  7780' RT = CTR EP. R.  $\Delta = 41^\circ 29' 41''$



SHARRON PLACE

5+00.62

4+50

4+00

3+50

1938

3+30.62

3+10.62

RT  
Corb Rough  
Corb

FO<sup>28</sup> FO<sup>66</sup> C3.43  
094 094 65.03  
361.22 ~~361.60~~ 361.60

FO<sup>07</sup> FO<sup>34</sup> C4.43  
076 076 65.53  
360.83 ~~361.10~~ 361.10

FO<sup>26</sup> FO<sup>44</sup> C0.25  
018 018 60.83  
360.44 ~~360.60~~ 360.60

FO<sup>15</sup> FO<sup>19</sup> FO.31  
990 990 59.72  
360.05 ~~360.09~~ 360.09

FO<sup>04</sup> FO<sup>23</sup>  
986 59.67  
359.90 ~~359.90~~ 359.90

FO<sup>08</sup>  
952  
359.60 359.60



# SHARRON PLACE

B.M.

361.01

SW B.P. Trojan & Sharon Pl.

(27)  
RT  
Curb      Rough  
            Curb

= BC, 15' CB, R.  
E.C.  $\angle$  =  $90^{\circ}03'10''$

11.78'

P.O.C.  $\angle$  =  $67^{\circ}30''$

11.79'

P.O.C.  $\angle$  =  $45^{\circ}00''$

11.79'

P.O.C.  $\angle$  =  $22^{\circ}30''$

11.79'

2-D = 114.59156  
5+40.66 = BC, SE  
52' RT = CH, 30' CB, R.  
 $\angle$  =  $90^{\circ}03'10''$  L = 47.15"

FO 19

62.31  
362.50      362.50

FO 20

62.00  
362.20      362.20

FO 01

61.84  
361.85      361.85

FO 42

61.23  
361.65      361.65

FO 28

61.27      C 4.10  
361.55      6567  
                 361.55



TRIOJAN AVE 18" STORM DRAIN LT

12914-L Sheet 6

RT (28)  
 C 5.07  
 6344  
 358.37 ✓  
 F.L.

Corb  
 Rough Curb

1+09 = Wly Inside fce Box  
 B-2 Inlet N 25

C 5.26

1+00

6341  
 358.15

0+75

C 5.76  
 6331  
 357.55

0+50

C 5.72  
 6266  
 356.94

Stakes 6' Lt

0+25

C 5.60  
 6193  
 356.33

0-22.25 =  
 0+00 = Inside fce Box

C 6.58  
 6231  
 355.73

35 E. along Cb. fce = Inside fce. Box

0-24 = 20' Lt = E. Box = B-2 Inlet  
 35 x 35 Inside

355.73  
 F.L.

0+00 = Ely Line Sharron Pl.

0-25.75 = 15' Lt = 15' Inlet  
 0-26.25 = Inside Opening B-2 Inlet

Line To  
 Meet Exist 362.29 361.46  
 curb. Gut

± Trojan @ Sharron Pl.  
 = 0-28 Meet

362.20  
 (Meet)

B.M.

361.01 (Pg. 27)



TROJAN ST.

Lt  
Rough  
Curb Curb

FO 41

0+39 (Lt. only)

281  
363.22 363.22

363.09

E.C. A = 90° 00'

5.10

R.C. A = 70° 30' 43"

9.23

P.O.C. A = 35° 15' 22"

9.23

CI 26 FO 32  
7326 2.68  
363.00 363.00

2-d = 229.1831  
0+24.2 = BC.Rt  
35' Rt = ctr 15' Cb.R.a  
A = 90° L = 23.56'

FO 29

2.26  
362.55 362.55

0-10.75 = E. End Type B-2/4 let  
opening N<sup>o</sup> 4

E

Rt (29)  
Curb Curb  
Rough

~~363.25~~ ~~363.25~~

C 3.95

67.10  
363.15 363.15

FO 24

62.58  
362.82 362.82

FO 19 CA 0

62.31 6.50  
362.50 362.50

362.75

CO 54

2.26  
361.72  
G



TROJAN ST.

Curb  
Rough

LT  
Curb

€

RT  
Curb  
Rough 30

Bring gutter To Normal  
17 10' ←  
0+94.02 = E. End - Inside B-2 Inlet  
N<sup>o</sup> 5

CO 42	FO 41	
432	432	
363.90	364.73	364.73
G		

E.C. 90° 00'

363.95 363.95

5.10

(4.61)

P.O.C.  $\phi = 70^\circ 30' 43''$

68.46  
363.85 363.85

9.23'

FO 28

P.O.C.  $\phi = 35^\circ 15' 22''$

63.74  
364.02 364.02

9.23'

4' Ahead =  $\phi 3^5 \times 3^5$  Box  
= Outside face - B-2 Inlet  
2-d = 229.1831  
0+79.02 = B.C. RT  
35' RT = ctr. 15' Cb. R.  
 $\phi = 90^\circ L = 23.56'$

C 9 79	FO 31	
73.99	3.83	
364.20	364.20	364.20

CO 51	FO 32	C 4 59
3.88	63.88	8.79
363.37	364.20	364.20
Gut		

C 10 03	FO 28	
73.64	3.33	
363.61	363.61	363.59

0+59 (Lt. on 1/4)

363.59



TROJAN ST.

	Curb Rough	Lt Curb	€	RT Curb	③ Curb Rough
d=15.520301	C 5.71	FO 29		FO 10	C 4.63
Lt. 3+28.34 = $\frac{1}{2}$ BC	78.72	2.77		291	77.64
4 = 35° 37' 08" $\frac{1}{2}$ R = 110.75'	373.01	373.01	373.01	373.01	373.01
L = 68.85'					
$\frac{23}{8773}$					
	C 6.67	FO 40		FO 45	C 5.62
	78.68	1.61		1.56	77.63
3+00	372.01	372.01	372.01	372.01	372.01
	C 6.89	FO 46		FO 50	C 6.17
	77.13	69.78		TP. 69.74	76.41
2+50	370.24	370.24	370.24	370.24	370.24
	C 9.27	FO 45		FO 50	C 7.83
	77.74	8.02		7.97	76.30
2+00	368.47	368.47	368.47	368.47	368.47
	P.K.				
	C 9.61	FO 44		FO 41	C 8.34
	76.32	6.27		6.30	75.05
1+50	366.71	366.71	366.71	366.71	366.71
	9.97	FO 49		FO 44	C 4.01
	74.91	4.45		4.50	8.95
1+00	364.94	364.94	364.94	364.94	364.94
TP. Guy Pole # 659140-H	369.93				
Set P.K. Sta 1400					



TRDJAN ST

	LT			RT
	Curb	Curb		Curb
	Rough			Rough

C046

P.C.C.R.  $\Delta = 87^{\circ}57'53''$

	6.40
375.94	375.94

7.68'

F051

$\frac{1}{2} = 21^{\circ}59'28''$   
 P.O.C.  $\Delta = 43^{\circ}58'56''$

	5.13
375.64	375.64

7.67'

C-36606 = 5.24'

$\Delta = 87^{\circ}57'53''$  L = 15.35  
 30' Lt. = C.P. 10' Cb. R

C3.49	F041
8.94	5.09

P.R.C. def  $\Delta = 17^{\circ}48'34''$   
 +3+97.19

375.45	375.45
--------	--------

375.45

F040	C3.43
5.05	8.88
375.43	375.45

17.22'

F033

C = 17.20'  
 3+79.97  
 P.O.C. def  $\Delta = 13^{\circ}21'19''$

	4.51
374.84	374.84

374.84

F025	
4.59	
374.84	374.84

17.21'

F027

3+62.76  
 P.O.C. def  $\Delta = 8^{\circ}54'12''$

	3.96
374.23	374.23

374.23

F013	
4.10	
374.23	374.23

17.21'

F031

3+45.55  
 P.O.C. def  $\Delta = 4^{\circ}27'06''$

	3.31
373.62	373.62

373.62

F009	
3.53	
373.62	373.62

17.21'

C = 17.19'

3+85+35+Lt.

TBM, CH 151 a SW. Cor H2O Vault

379.00



TROJAN ST.

E.C. Alley

LT  
Curb Curb  
Rough

±

RT  
Curb Curb  
F1 34 Rough  
6.74  
378.08 378.08

4+61.16 P.C. Rt def  $\Delta = 16^{\circ}32'50''$   
24' Lt = ctr. 4' Cb. R.  $33^{\circ}05'40''$

377.78

F1 09  
6.74  
377.78 377.78

12.34'

C = 12.33'

4+48.82 def  $\Delta = 13^{\circ}21'19''$

377.30

FO 61  
6.69  
377.30

377.30

FO 73  
6.57  
377.30 377.30

16.22'

C = 16.20'

P.C.C.  $\Delta = 87^{\circ}57'53''$

376.58

C 2 10  
8.68  
376.58

7.68'

$\Delta = 21^{\circ}59'28''$

P.O.C.  $\Delta = 43^{\circ}58'56''$

376.62

FO 36  
6.26  
376.62

7.67'

C-3' b.c. Cb = 5.24'

$\Delta = 87^{\circ}57'53''$  L = 15.35

30' Lt = ctr 10' Cb. R.

4+32.60 = P.C. Lt def  $\Delta = 9^{\circ}09'33''$

376.67

C 3.57 FO 44  
80.24 723  
376.67

376.67

FO 43 C 2.89  
6.24 5.56  
376.67 376.67

18.20'

C = 18.18'

P.O.C.

4+14.40 def  $\Delta = 4^{\circ}27'06''$

376.09

FO 57  
5.52  
376.09 376.09

17.21'

C = 17.19'



Lt E

Rt Curb Rough Curb

TROJAN ST.

Curb Curb  
Rough

C1 48

4 + 90 - 24° Rt = C1  
4' cb. R. 4 = 90% = 6.28'

975  
378.27 378.27

FO 27

56 + H. St.  
E.C. 4 = 90° 04' 35"

379.37 379.37

9.79

FO 40

P.O.C. 4 = 67° 30'

378.90 378.90

9.79'

FO 44

P.O.C. 4 = 45° 00'

378.50 378.50

9.79'

FO 55

P.O.C. 4 = 22° 30'

378.20 378.20

9.78'

C3° FO 48

4 + 66.09 = E.C. = def 4 = 17° 48' 34"  
= B.C. N.W. Cb. Ref 56th St.

81.0 77.52  
378.00 378.00

378.00

C1 88  
7988  
378.00 378.00

Cb. R = 24.90 = 44.90 Lt.  
4 = 90° 04' 35" L = 39.15'

1 85 C1 60  
980 980  
377.95 378.20 378.20  
G

EC. Alley + 6' = R = End cb.







TROJAN AVE

Lt  
Curb Curb  
Rough

€

0+02<sup>25</sup> To Existing Type B-C.O.  
Rt = End 24" R.C.P.  
= 27.25' = L.

C 9<sup>19</sup>  
9 89  
370.70  
F.L.

379.65  
TOP C.O.

1.75 out from cb. fce  
0+02<sup>25</sup> = Outlet B-2 Inlet N°1  
35x35

C 6<sup>43</sup>  
79.13  
372.70  
F.L.

0+00<sup>5</sup> = Inlet Lt.

C 5<sup>94</sup>  
924  
373.30  
F.L.

Outside 0+33 56+11  
N. End. B-2 Inlet N°2  
56+11.5+

<sup>08</sup>  
C 0<sup>44</sup> C 1<sup>27</sup>  
139 139  
380.93 380.95 380.12  
CHECK 5' 5'  
cb. 81 GUT

B.C + 16'

C 6<sup>09</sup>  
8013  
374.04  
F.L.

€ B-2 Inlet Box

B.C + 2.25

= Begin 15' Type B-2 Inlet 56+11.5+  
B.C. 56+11.5+4 = 90°04'

C 0<sup>08</sup> C 0<sup>91</sup>  
995 995  
379.87 379.87 379.04  
5' 5'  
GUT

9.82



4

ε

Curb Rough Curb

TROJAN AVE

1+30

C0.03  
82.45  
382.42 382.42

382.76

1+10

C0.76 gende  
82.48 81.72  
381.72 381.72

381.92

0+90

F0.06  
81.00  
381.06 381.06

381.31

0+70<sup>14</sup>

C1.43 F0.26  
82.02 80.33  
380.59 380.59

380.84

0+35<sup>07</sup>

C2<sup>09</sup> F0.48<sup>38</sup>  
81.94 79.52  
379.90 379.90

380.15

Normal Gut. 10' Ahead

0+16-22 4'-End B-2 Inlet N-1

F0.22 ~~F0.08~~  
9.30 ~~9.44~~  
379.52 379.52  
5'

~~C0.75~~  
~~9.44~~  
~~378.69~~  
Gut  
C0.61  
9.30  
378.69



TROJAN AVE

lt  
Curb Curb  
Rough

€

2+50

C 3.78 F 0.47  
94.95 90.70  
✓ 391.17 391.17

391.25

2+30

C 4.46 F 0.43  
93.81 88.92  
✓ 389.35 389.35

389.46

TP

90.78

F 0.23

2+10

387.60

87.37  
387.60

387.71

1+90

C 1.41 F 0.25  
87.45 85.79  
✓ 386.04 386.04

386.15

1+70

384.65

F 0.13  
84.52  
384.65

384.76

1+50

C 1.52 F 0.19  
84.96 83.25  
✓ 383.44 383.44

383.55

B.M.

383.58

5 W B.P. Trojan & Vale Way



LT  
Curb Curb  
Rough

TROJAN AVE

4=89°57' L=42.39  
5+45<sup>08</sup>=BC.  
NWcb. Ref 56-77  
49' L=Ctr 27'cb.R.

F1.55 F. 0.38  
16.45 17.62  
✓ 418.00 418.00

417.70

5+00

F1.80 F0.42  
1211 1349  
✓ 413.91 413.91

413.67

4+50

TP. F0.89 F0.44  
08.67 08.92  
✓ 409.36 409.36

409.18

4+00

C0<sup>10</sup> F0.20  
4.88 04.61  
✓ 404.81 404.81

404.70

3+50

C0.24 F0.35  
0.51 99.92  
✓ 400.27 400.27

400.22

TP. 100.08  
3+00 = \$25 Commercial  
Drive way

C1.91 F0.20  
97.63 95.52  
✓ 395.72 395.72

395.74



LT  
Curb Curb  
Rough

€

⑦

TROJAN AVE

B.M.

383.58

SWBP Trojan & Vale Way

B.M.

416.76

Top BC Mon N.W. Cor Trojan & 58-th. (W14 Mon)

E.C. 58-th St.  $\angle = 89^{\circ}57'$

F0.19  
17.71  
417.90

10.60

F0.25  
18.20  
418.45

P.O.C.  $\angle = 67^{\circ}30'$

10.60

F0.35  
18.35  
418.70

P.O.C.  $\angle = 45^{\circ}00'$

10.60

F0.28  
18.27  
418.55

P.O.C.  $\angle = 22^{\circ}45'$

10.59



± DW912917-L 5th.

±  
Curb  
Rough

GRADES 58-TH ST. TROJAN  
TO VALE WAY. W.O. 62935

	F1.41	F0.14	
	13.87	15.14	
0+80 ±	415.28	415.28	415.39

		F0.29	
		16.73	
0+60 ±	417.02	417.02	417.82

10.9	F1.02	F0.19	
	16.88	17.71	
0+49.49 = E.C. NW. Ch. Ref	417.90	417.90	

0+30.89 Begin Pavt			419.10
--------------------	--	--	--------

0+00 = ± Trojan @ 58-th.

B.M.	416.76	Top B.C. Mon. NW. Cor. Trojan and 58th St. (Wly.)
------	--------	--







ct

€

Curb Curb  
Rough

58-TH. 57

3+41

F0.24  
93.91  
394.15 394.15

393.95

3+21

F1.0 F0.20  
94.28 95.08  
✓395.28 395.28

395.08

3+01

F0.47  
96.22  
396.69 396.69

396.49

2+81

F3.27 F0.26  
94.87 97.88  
✓398.14 398.14

397.94

2+61<sup>12</sup>

F0.05  
99.72  
399.77 399.77

399.57

2+43

F4.40 F0.08  
96.93 01.27  
✓401.35- 401.35

401.25

18'



5B-TH 5T

Lt  
Curb  
Rough

E

		C 0.70 93.12		C 5.58 93.12	10' BK. N1/4.
4+29 <sup>53</sup> = N. End A-2 Inlet @ Outside wall	392.42	392.42	391.57	387.54	

	395.50 Top Box	C 6.29 93.24		C 5.20 92.74	
4+24 <sup>03</sup> 19.75 Lt = E Box bk. Side @ Inside face	387.00	387.54	387.54	387.54	

(3' x 3' Inside Box)	F.L. 18" RCP. 34.25' Lt 6' Rt.	C 0.05 92.43		C 4.89 92.43	10' BK. 5/4
4+18 <sup>53</sup> Begin Type (A-2 10') Curb Inlet 18' Lt. Outside Wall	392.38	392.38	391.54	387.54	

	F 0.05 2.45	C 0.01 92.41			
4+01	392.40	392.40		392.20	

		Grade 92.65			
3+81	392.65	392.65		392.45	

	F 0.15 3.13	F 0.11 93.17			
3+61	393.28	393.28		393.18	



Lt

±

58-TH ST

B.M.

412.11

NW 7' CT. Meade #58-TH.

Curb

Rough Curb

TP 409.55

TP 400.38

C 1.34 FO.31

5.21 93.56

4+80.53 = End Paving

✓ 393.87 393.87

393.67

FO.17

92.81

4+61

392.98

392.98

392.78

4+51.53 ± 23' Commercial  
Drive Way

C 1.52 FO.09

3.99 92.38

4+41

✓ 392.47 392.47

392.27



L+

GRADES ALLEY VALE WAY TO TROJAN AVE

W.O. 62935 Rough Curb Curb

FO.58

P.O.C.  $\Delta = 18^{\circ} 16' 31''$

79.77  
380.35 380.35

10.51

$\Delta = 164^{\circ} 28' 39''$   
P.R.C.  $\Delta = 60^{\circ}$   
Cb. R = 33' L = 94.73'

380.30 380.30

6.81

P.O.C.  $\Delta = 30^{\circ}$

380.10 380.10

6.80

FO.06

0+39.84-10' Lt = End Curb  
= E.C. 13' Cb. R - 23' Lt. TO CTR  
 $\Delta = 60^{\circ} L = 13.61$

9.84  
379.96 379.90 379.70  
GUT

381.49  
Top Wall

379.75  
E.P.

0+00 =  $\Delta$  Cul-de-sac.

B.M.

383.58

SWBP Vale Way & Trojan



ALLEY

Curb Curb  
Rough

C 2.42

2.62

P.O.C. 4 = 127° 53' 37"

✓ 380.50 380.50

10.53'

P.O.C. 4 = 109° 39' 06"

380.60 380.60

10.53'

P.O.C. 4 = 91° 22' 35"

380.60 380.60

10.53

F 1.46

79.04

P.O.C. 4 = 73° 06' 04"

✓ 380.50 380.50

10.53

P.O.C. 4 = 54° 49' 33"

380.45 380.45

10.53

P.O.C. 4 = 36° 33' 02"

380.40 380.40

10.53



ALLEY

ct

±

RT

(48)

Curb  
Rough

Curb

Curb

Meet

P.O.C. def  $\Delta = 3^{\circ}15'20''$   
7.5'

P.O.C. def  $\Delta = 1^{\circ}37'40''$

7.5

d = 13.021768  
P.C.C. cb. R = 132'

381.85

380.85

4.19

P.O.C.

380.55

4.19

d = 429.71835; 2d = 859.4367  
O + 14.56 - 14° RT = Ctr  $\Delta$  cb. R. - Begin 6"  
 $\Delta = 120^{\circ}02'05''$  L = 8.38  
Conc. Wall -  
10' RT = Outside fce

381.94 379.94 380.44  
TOP Wall EP

E.C.  $\Delta = 164^{\circ}28'39''$

380.53  
Meet

10.51

P.O.C.  $\Delta = 146^{\circ}12'08''$

380.30 380.30

10.53



E.P.

ALLEY

EP

1+50  
 F1.08  
 779  
 378.87 378.87

F1.34  
 7758  
 378.92 378.92

1+25  
 379.06

379.11 379.11

1+00  
 F0.37  
 7888  
 379.25 379.25  
~~KK~~

C2.65  
 81.95  
 379.30 379.30  
 3' b& PK

10 70

0+89<sup>30</sup> = End Wall on Rt.  
 379.33

379.73  
 Top Wall

379.38 379.38

10

0+79<sup>30</sup> = Break Top Wall on Rt. 379.40 379.40

380.80  
 Top Wall

379.45 379.45

29 30

C0.89  
 8051  
 379.62 379.62

C2.98  
 82.65

0+50

381.31

379.67 379.67

10.16



ALLEY

2+79 <sup>04</sup> = B.C. Curbs Lt+Rt Cb.R = 4'4" = 90°	C1.72 980 378.08 Cb	378.08 Cb	377.58 G		377.85 G	378.35 Cb	C1.39 974 378.35 Curb	
2+73 <sup>09</sup> = Begin Curbs Lt+Rt	378.20 Curb	378.20	377.95 G		378.00 G	378.47 Cb	378.47 Curb	
2+50	C1.38 951 378.13 EP	378.13 EP				378.17 EP	C1.16 933 378.17 Gut	
2+25		378.31				378.36	378.36	
2+00	C0.19 869 378.50	378.50					F0.65 7790 378.55	
1+75		378.69				378.74	378.74	



Lt

±

Rt

ALLEY

B.M.

383.58 ~

SWBP Trojan & Vale Way

3+0315 = ± Trojan

E.C. Trojan

377.78  
Cb

377.78  
Cb

377.28  
G

377.77  
G

378.27  
Cb

378.27  
Cb



DWG 12909-L (Sht 1)

Stamper  
Blunt  
Kelley  
Wentworth  
Curb  
Rough

(52)

GRADES 56-TH. ST.

Curb  
Rough Curb

TROJAN ST. NLY. W062935

0+50 ✓

C 1.40 FO 17  
8306 1.49  
381.66 381.66

C 0.26 C 2.67  
2.32 4.73  
382.06 382.06

0+35 (Lt. only)

FO 14  
0.54  
380.68 380.68

~~381.06~~

18

(P9.35)  
0+17 = EC N.E. Cb. Ret

C 2.20  
82.07  
379.87 379.87

(P9.34)  
0+14.90 = E.C. N.W. Cb. Ret.

C 2.29  
81.66  
379.37 379.37

0+00 = N.L. Trojan

B.M.

383.58

SWBP Trojan & Vale Way



LT

←

RT

(53)

Curb  
Rough Curb

Curb  
Rough

1+59<sup>76</sup> RT ON/4

FO<sup>25</sup> CO 67  
909 90.01  
389.34 389.34

30.44

FO<sup>50</sup>

P.O.C. #4 = 48° 12' 18"

7.27  
387.57

12.62'

FO.05 FO<sup>38</sup>

FO.47 C1.66

1+29.32 = BC - 35° LT  
Cb.R = 15' L = 12.62'

6.77 6.44  
386.82 386.82

6.85 TP. 898  
387.32 387.32

9.56

FO.42

FO.41

1+19<sup>76</sup>

5.78  
386.20

TP. 6.26  
386.67

CO.89 FO<sup>38</sup>

FO<sup>36</sup> C1.80

1+00 v

85.80 4.53  
384.91 384.91

TP. 5.01 7.17  
385.37 385.37

FO<sup>37</sup>

CO<sup>07</sup>

0+75

3 2.91  
383.28

3.79  
383.72

0+70-25' RT = Sewer Lat N°

88.04  
85.84  
377.80  
R.P.  
F.L.



		Lt		±	Rt	
		Curb	Curb		Curb	Curb
		Rough			Rough	
2+70 ✓				398.51	FO <sup>23</sup> 857 398.80	CO <sup>83</sup> 963 398.80
TP	97.75					
30.24					FO <sup>38</sup>	CO <sup>91</sup>
2+39.76 ✓				395.60	552 395.90	6.81 395.90
TP	94.64					
2+19.76				393.73	FO <sup>42</sup> 361 394.03	394.03
1+99.76 ✓				392.02	FO <sup>34</sup> 197 392.31	CO <sup>44</sup> 3.75 392.31
			CO <sup>64</sup>			
P.O.C.P. $\angle = 48^\circ 12' 18''$			90.51 389.87			
12.62		C1.43	FO <sup>08</sup>		FO <sup>11</sup>	C1.95
End Point on Lt.		41.78	0.27		1.00	3.06
1+84.32 = E.C. - 35° Lt.		390.35	390.35	390.64	391.11	391.11
Cb. R=15' L=12.62'						
2-d=229.1831						
24.56						



Lt

E

Rt

(55)

Curb  
Curb  
Rough

4+25

413.17

FO 28

13.15  
413.43

4+00 v

411.02

FO 21 C 1.31  
TP - 11.03 12.53  
411.24 411.22

3+75

408.63

FO 17

8.68  
408.85

3+50 v

406.22

FO 24 C 2.27  
6.21 8.72  
406.45 406.45

3+25

403.81

FO 33  
TP - 03.73  
404.06

TP 406.33

3+00 v

401.40 401.40

FO 20 C 1.32  
1.47 3.19  
401.67 401.67



Lt

€

Rt

(56)

56-TH. 57.

B.M.

423.43

P.K. Fee Conc. blk Wall Sta. 5+73-25° Lt

TBM.

411.14

P.K. PPN# 77536-Sta 3+38-17° Rt.

Curb Curb  
Rough

4+49.76 = End Pav't Under  
This Contract

24.76

415.10

FO<sup>23</sup> C 3.58  
15.12 18.93  
415.35 415.35



18" STORM DRAIN  
GRADES SPARTAN DRIVE

Stampey  
Blunt  
Kelley  
Wentworth

12917-L (5479)  
NOTE: Offsets 8' RT  
3-4-57

	W.O. 62935	
	C 7.55	<del>C 7.50</del>
	85.15	<del>85.15</del>
0+50	377.60	<del>377.65</del>

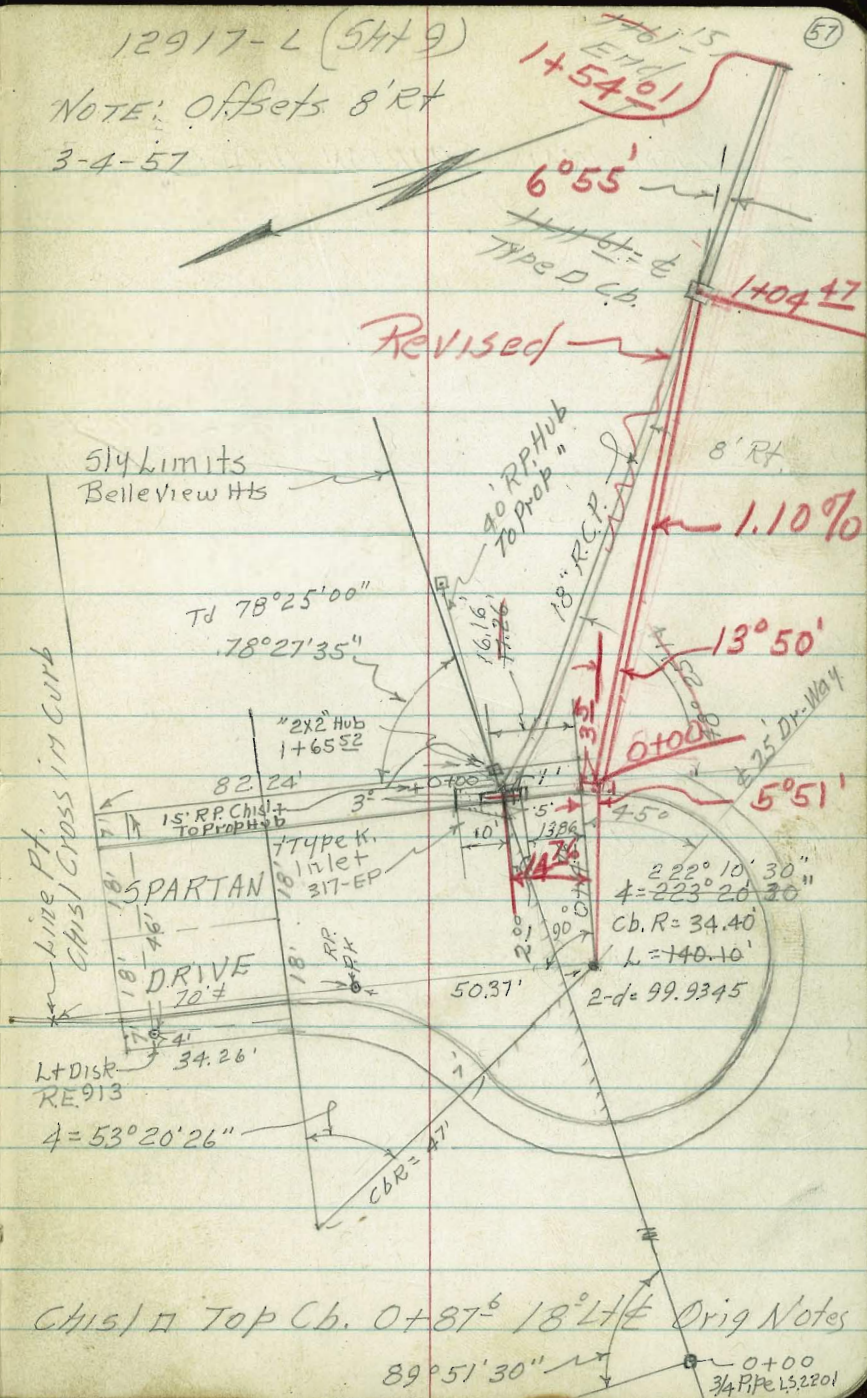
	C 7.88	<del>C 7.69</del>
	85.75	<del>85.59</del>
0+25	377.87	<del>377.90</del>

	<del>C 6.93</del>	<del>84.93</del>	<del>378.00</del>
<del>0+15 4 LI = 10° RP 8' RT @ 90° To bk. Tan</del>			

	<del>C 7.97</del>	<del>86.05</del>	<del>378.08</del>
<del>0+07 4 LI = 5° RP 8' RT @ 90° To bk. Tan</del>			

	<del>804</del>	<del>C 7.80</del>	<del>86.19</del>	<del>85.95</del>	<del>378.15</del>	<del>378.15</del>
0+00 = 3' bk. Cb. fce. & 1' sly. of RP 8' RT						
Sub. Bdry Along Cb. fce						
		C 6.45 F.L.	84.60	378.15		
		RP 8' LT				

	Top 120' RP CHIS/Cross	389.25
T.B.M.	To & R. (See sketch)	
B.M.		388.90



CHIS/Cross Top Cb. 0+87° 18' LT Orig Notes

89° 51' 30" 0+00 3/4 RP 1.52201



18" STORM DRAIN SPARTAN DRIVE

Nail in Top  
TBM. Corner Fence Post 364.08

TBM.  
& RP. Stub 25' Ahead 359.04

~~1161<sup>15</sup>~~ = End of 18" Pipe  
5" bk of End Pipe = for 10" x 3'-6"  
X 2' Deep P Curtain Wall

TP 366.14

24.54'

~~1136<sup>64</sup>~~ = Cut-off Wall = 8" Wall & 8" below bot Pipe  
4" Above gr. up-hill side

TP 374.60

25

~~1104<sup>97</sup>~~  
~~1116<sup>61</sup>~~ = Type D-C.B.

~~X+00~~

0+75

~~C 4.05~~

~~61.35~~  
~~357.30~~  
B'ET RP. 15'

~~C 4.12~~

~~71.18~~  
~~367.06~~

~~C 6.19~~

~~TP 83.22~~  
~~377.03~~  
F.L.

FOLLOW

83.22  
83.33 ±  
Top

~~C 7.27~~

~~84.42~~  
~~377.15~~

C 7.27

84.59  
377.32

~~C 7.42~~

~~84.82~~  
~~377.40~~



GRADES SPARTAN DRIVE

36.76  
0+38 POC  $\Delta = 36^{\circ} 38' 34''$

0+15' 0+31'  $76^{\circ}$  Make 6" Gutter

0+14.76  
2-d=99.9345  $\Delta = 11^{\circ} 39' 32''$   
0+21.76 = End Type K Inlet

$\Delta = 233^{\circ} 20' 26''$   
L=140.10' CBR=34.40'

0+18.26 = 6" Inlet

0+14.76 = B.C. Begin Type K Inlet 7' Inside

$\Delta = 233^{\circ} 20' 26''$   
L=140.10' CBR=34.40'

0+00 = Sub. Bdry Meet Existing

B.M.

388.90

12917-L 51+9

Curb

(59)  
Curb  
R0494

FO<sup>03</sup>

5.67  
385.70

385.65

C1<sup>18</sup> FO<sup>35</sup>

5.62 385.62 4.58  
384.44 385.27 385.15  
9

384.37 385.20 385.39  
9

C0<sup>74</sup> FO<sup>09</sup>

15 515  
384.41 385.24 385.53  
6

Meet ~~385.65~~  
Meet

(Pg. 51)



SPARTAN DRIVE

1+04  
POC 4 = 146° 34' 14"

Curb Curb  
Rough

FO<sup>10</sup>  
6.95  
387.05

"  
0+93  
POC 4 = 128° 15'

FO<sup>12</sup>  
6.73  
386.85

"  
0+82  
POC 4 = 109° 55' 40"

FO<sup>21</sup> C2.67  
6.44 932  
386.65 386.65

"  
0+71  
POC 4 = 91° 36' 24"

FO<sup>12</sup>  
6.33  
386.45

"  
0+60  
POC 4 = 73° 17' 07"

FO<sup>35</sup>  
5.90  
386.25

"  
0+49  
POC 4 = 54° 57' 50"

FO<sup>25</sup> CO<sup>53</sup>  
5.80 6.58  
386.05 386.05

"  
45° = 1/2 25 Commercial-Driveway



SPARTAN DRIVE

Curb  
Curb Rough

B.M. 388.90 (Pg. 57)

1+56<sup>10</sup>  
P.O.C. 4 = 233° 20' 30"

7.84  
387.65  
Meet

10.07

1+46  
P.O.C. 4 = 216° 34' 30"

✓ 387.70 387.70

10.08

1+36  
P.O.C. 4 = 199° 47' 08"

FO 82  
683  
387.65

10.08

1+25.87  
P.O.C. 4 = 182° 59' 48"

FO 87  
658  
387.45

10.87

1+15  
P.O.C. 4 = 164° 53' 30"

FO 37 C 3.36  
688 90.61  
✓ 387.25 387.25

"



## SEWER GRADES SHARRON PLACE

#ORANGE AVE WO 62935

Stakes Set 6' Rt.

0+82<sup>5</sup>

0.5%

$$\begin{array}{r} C 9 \ 10 \\ 67.12 \\ \hline 358.02 \end{array}$$
17<sup>5</sup>

$$\begin{array}{r} C 8 \ 57 \\ 650 \\ \hline 357.93 \end{array}$$
0+65<sup>03</sup> = M.H. No 1

x

$$\begin{array}{r} 650 \\ \hline 357.93 \end{array}$$
RR 6' Lt.  
For Tan.F.L.  
6' Lt bk. Tan
$$\begin{array}{r} C 9 \ 20 \\ 66.75 \\ \hline 357.55 \end{array}$$

0+50

2.5%

$$\begin{array}{r} C 9 \ 68 \checkmark \\ 66.60 \checkmark \\ \hline 356.92 \end{array}$$

0+25

$$\begin{array}{r} C 9 \ 01 \\ 65.31 \\ \hline 356.30 \end{array}$$

0+00 Make Connection

B.M.

368.03

3/4" Pipe NW Prop Cor. Sharron Pl. &amp; Orange Ave



## SEWER GRADES SHARRON PLACE

63

2+30<sup>03</sup> = End of Line Plug.C 9 067 82  
358.76

2+00

C 9 237 83  
358.60

1+75

C 9 297 77  
358.48

1+50

C 9 627 97  
358.35

1+25

C 9 537 76  
358.23

1+00

C 9 357 45  
358.10

175



GRADES OCEAN BEACH RECREATION AREA

3-22-57

Stamp  
Bluff  
Holley  
Wellworth

W.O. 64181

N.1800	NOTE: Grade stakes set flush @ 200' Grid Intervals										N.1800
N.1600		F54	F34	F20	15.0	F25	CO9	C10	C14	F07	N.1800
		10.15	11.6	13.30	15.5	15.0	15.5	16.42	16.41	16.12	13.76
		15.5	15.0	15.3	15.7	15.5	15.4	15.1	14.72	14.3	15.65
N.1400	F46	F25	F23	F12	F19	F43	F47	CO6	C19	C24	C23
	10.37	15.02	11.71	13.23	13.00	15.5	15.71	16.82	18.04	18.25	17.57 TP
	13.0	13.5	14.0	14.4	14.9	15.3	15.8	16.2	16.1	15.8	15.3
N.1200	F22	F13	F08	F09	F20	F21	CO3	C15	Grade	C12	C12
	12.5	11.52	12.67	13.35	12.70	13.19	16.34	17.98	16.65	17.26	16.95
	12.5	12.8	13.5	14.2	14.7	15.3	16.0	16.5	16.7	16.5	15.8
N.1000	13.2	F12	F03	Grade	F07	F22	F24	F23	F13	F07	
	13.3	12.00	13.02	13.70	13.61	12.63	13.72	13.76	15.61	16.26	
		13.2	13.3	13.7	14.3	14.8	15.5	16.1	17.0	17.0	N.1000
N.800	Grade	F04	CO9	CO7	CO3	F16	F46	F02	F16		N.800
	13.97	13.81	14.78	14.77	14.98	13.61	15.36	18.31	15.9		
	14.0	13.9	13.9	14.1	14.7	15.2	20.0	18.5	17.5		
N.600	F02	Grade	C11	CO7	Grade	CO7	C42	F42			N.600
	13.90	14.25	16.07	15.71	15.23	16.28	18.33	22.5			
	14.3	15.0	15.0	15.0	15.2	15.6					
N.400	F04	CO2	FO7	Grade	C13						N.400
	16.46	17.20	17.0	17.28	17.31						
	16.5	17.0	FO7	18.0	15.9						
T.B.M.				23.65							
N.200				24.15							N.200

Top N.W. Cor. Conc. Bk Wall @ Sunset Cliffs & N. Pt. Loma Bluffs.

W18,000 W17,800 W17,600 W17,400 W17,200 W17,000 W16,800 W16,600 W16,400 W16,200 W16,000 W15,800

W18,000 W17,800 W17,600 W17,400 W17,200 W17,000 W16,800 W16,600 W16,400 W16,200 W16,000 W15,800



3-23-57

GRADES OCEAN BEACH RECREATION AREA

N 2,000

N 1,800

N 1,600

N 1,400

N 1,200

N 1,000

F/1 F05  
 1228 1337  
 14.0 13.9  
 F/5  
 12.65  
 14.05  
 F/5  
 12.82 13.57  
 14.3 14.0  
 C01  
 13.69  
 F05  
 13.6  
 C06  
 15.13  
 14.5  
 C11  
 16.14  
 13.0

B.M. 12.28 ~ 12.46  
 T.P. 18.62  
 T.P. 20.06  
 T.B.M. 16.84

W/4 Rim Top  
 M.H. Ely Jeeper

Chisla NW Top Culv. Hdwall S. Side Flood Channel # Ely 100' # of S. End Sunset Cliffs Bridge

B.M. 14.70<sup>0A</sup>  
 U.S.E.D. Mon  
 "Jeeper"

W/6,200  
 W/6,000  
 W/5,800  
 W/5,600  
 W/5,400  
 W/5,200















BM = PC Nail in A.C. Pave  
RP 20' LT of P.I. of Drain 13.80  
C/A/F = Rough Grade 5/16/57 sea

Lt  
Curb

GRADES PARK ROAD

FO<sup>97</sup>

14.28

15.25

0+75

(FO<sup>58</sup>)

15.16

(FO<sup>78</sup>) 5.43

P.C.C. W.P.L. Loma  $\angle = 83^{\circ}09'46''$   
 $\angle = 86^{\circ}43'27''$

Meet

Meet

P.O.C.  $\angle = 54^{\circ}20'30''$   
 $\angle = 57^{\circ}48'58''$

P.O.C.  $\angle = 27^{\circ}10'15''$   
 $\angle = 28^{\circ}54'29''$

$\angle = 83^{\circ}09'46''$   
 $\angle = 86^{\circ}43'27''$  R=20'  
O+43.45 = RC. Lt + Rt. (FO<sup>21</sup>)  
L=30.27'

FO<sup>9</sup>

14.50

15.40

15.20

F/06  
14.54  
(F/03) 15.60

0+00 = E.W.P.L. Loma & Bacon St.

B.M.

04  
14.70

U.S.E.D. Jeepex



GRADES PARK ROAD

H.

+7.67

E.C.  $\Delta = 105^{\circ} 00' 45''$

P.O.C.  $\Delta = 70^{\circ} 00' 30''$

P.O.C.  $\Delta = 35^{\circ} 00' 15''$

0.765%

$\Delta = 105^{\circ} 00' 45''$  R=10'  
 $l + 36.89 = BC$  Lt  
 $l = 18.33'$

1400

(F047) v

Lt

F1 35  
 13 60  
 14.95

F1 65  
 13 15  
 14.80

14.75

14.70

F1 32  
 13 33  
 14.65

(F108) v

F1 01  
 13 96  
 14.97

E

RT (70)

14.65

(F045) 14.65

14.99

(F024) 15.01



Lt

E

Rt

①

GRADES PARK ROAD

2+75

(F072) 13.65

(F094) 13.65

F3 41

2+45.

(F058) 10.45  
13.86

(F054) 13.86

F0 79

2+00

(F052) 13.44  
14.18

(F028) 14.18

27.83

F1 86

±

1292  
14.78

+19.18

B.C.

.7128

13.26  
14.41

F1 12

$\Delta = 74^{\circ} 59' 15'' R = 2'$

$1 + 72.17 = E.C.$

(F061) V 13.26  
14.38

14.38

(F051) 14.38



Lt  
curb

E

Rt (2)  
curb

GRADES PARK ROAD

↑  
4+25 def $\Delta$  = 13° 43' 08" 12.76 (F085)

(F085) 12.76

F2 15

↓  
4+00 def $\Delta$  = 10° 51' 15" (F082) 10.76  
↑ 12.91

(F071) 12.91

1.5  
4+75 def $\Delta$  = 7° 59' 21" (F089) 13.07

(F089) 13.07

F2.78

1.5  
4+50 def $\Delta$  = 5° 07' 28" 10.44  
↑ 13.22 (F096)

(F055) 13.22

C = 24.99

F2.91

1.5  
4+25 def $\Delta$  = 2° 15' 35" (F144) 10.91  
↑ 13.38

(F062) 13.38

19.72' C = 19.71<sup>66</sup>

F3 2

33  
4+05.28 = B.C. Pt. (F082) 10.35  
4 = 33° 15' 30"

(F082)

13.50

(F059) 13.50

R = 250 L = 145.12

d = 6.87549



GRADES PARK ROAD

Lt

E

Rt (23)

6+00

0.509%

F1 10  
11.25  
(F049) 12.35

(F042) 12.35

F4 88

F4 47

24.37<sup>2</sup>

F0 45 735  
12.23

F0 29

CO 10 776 F0 39  
12.23

5+75.63 = 8 Type A-2  
E Web Lt + Rt.

11.78  
12.23

11.94  
12.23

12.34 11.84  
12.23 12.23

514 - RP8  
END  
F1 68

N14  
END

514 - RP8  
END  
N14, END

5+50

0.295%

(F076) 10.63  
12.31

(F067) 12.31

F1 71

5+00

(F058) 10.74  
12.45

(F045) 12.45

4+71.37 EC.  $\Delta A = 16^{\circ} 37'$  (F086) 12.54

(F066) 12.54

20.8<sup>55</sup>

F1 65

4+50.48 EC.  $\Delta A = 16^{\circ} 37' 45''$  10.95  
12.60 (F081)

(F079) 12.60

C = 25.39'

C = 50.31'



GRADES PARK ROAD

ct

e

rt

70

8+92.08  
def 4 = 2° 38' 18"

(F079)

F117  
1327  
14.44

13.83

F1182  
1275  
(F075) 13.97

27.75' C = 27.<sup>69</sup>74'

F179

F062

8+64.28 = BCRT.  
<sup>33</sup>

F034

1191  
13.70

13.45

1308  
(F065) 13.70  
50' RT

14.<sup>33</sup>28

F174

8+50

(F053)

1189  
13.63

13.43

(F052) 13.63

8+00

(F089)

F072  
1265  
13.37

13.37

(F073) 13.37

7+50

(F074)

F139  
1173  
13.12

(F095) 13.12

7+00

(F054)

F105  
1181  
12.86

(F063) 12.86

6+50

F023

F073  
1188  
12.61

(F025) 12.61



GRADES PARK ROAD

LT

E

RT

(75)

F07

F366

10+58.61

17.75

P.O.C. def $\alpha$  = 18° 28' 20" (F074)

18.40

17.57

1385  
(F123) 17.51

3'

27.75

F08

F341

10+30.86

17.51

P.O.C. def $\alpha$  = 15° 50' (F093)

18.30

17.24

1377  
(F213) 17.18

10'

27.76

F033

F264

10+03.10

17.32

P.O.C. def $\alpha$  = 13° 11' 40" (F092)

17.65

16.52

1375  
(F113) 16.39

25'

27.75

L12

F194

9+75.35

18.68

P.O.C. def $\alpha$  = 10° 33' 21" (F106)

17.00

15.80

1366  
(F079) 15.60

15'

27.76

C012

F113

9+47.59

16.21

P.O.C. def $\alpha$  = 7° 55' (F125)

16.09

15.00

1379  
(F063) 14.92

25' 66"

27.75

F053

F119

8+19.84

14.65

P.O.C. def $\alpha$  = 5° 16' 41" (F082)

15.18

14.21

1306  
(F042) 14.25

25'

27.76

TP

12.29



L+

E

RT

②

## GRADES PARK ROAD

7  
 11+33.92  
 E.C. def $\alpha$  = 25° 38' 15"

23.80

11+10.17  
 POC def $\alpha$  = 23° 22' 30"

23.80

10+86.37 check L+  
 POC def $\alpha$  = 21° 06' 42"

27.76

F3<sup>46</sup>

15.04  
 18.50  
 4' bk  
 Rock

F2<sup>6</sup>

15.90  
 18.50  
 3' bk.  
 Rock

F2<sup>35</sup>

16.15  
 18.50  
 5'  
 Rock

18.30

18.10

17.90

F4<sup>25</sup>

14.25  
 (F2<sup>34</sup>) 18.50

F4<sup>10</sup>

14.08  
 (F2<sup>34</sup>) 18.18

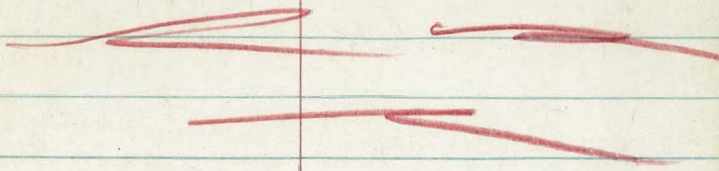
F3<sup>92</sup>

13.93  
 (F2<sup>34</sup>) 17.85



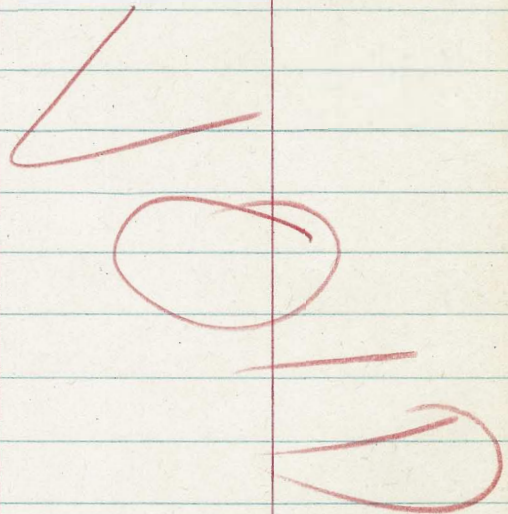
0+75

TRANSFERRED TO G-364



0+59.27 EC.  $\Delta = 50^\circ$

0+46 POC.  $\Delta =$



0+33 POC.  $\Delta =$

1+50

2-d=  
 $\Delta = 50^\circ R = 45'$   
0+20 = BC. Lt.

1+25

0+00 = P.O.C.  $C =$   
def  $\Delta = 7^\circ 45'$   
(see sketch P978)

1+00

B.M.

14.10

USED Jeep



0+75

See G-369

0+59.27 EC.  $\Delta = 50^\circ$

0+46 POC  $\Delta =$

0+33 POC  $\Delta =$

0+20 = BC Lt.

$\Delta$  Existing  $960^\circ$   
0+00 = P.O.C. RCP Drain

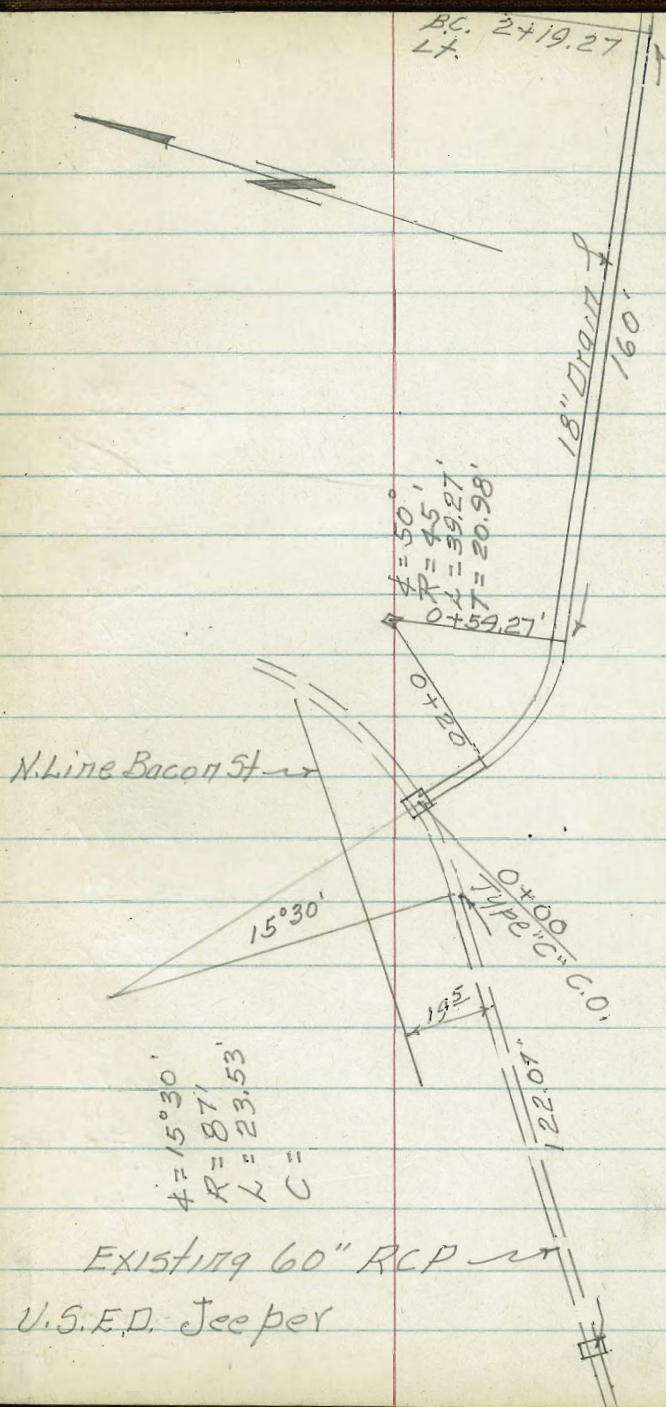
2.80 13.80  
F.L. Top C.O.

B.M.

04  
14.70

BC. 2+19.27  
Lt.

(78)



Existing  $60^\circ$  RCP  
U.S.E.D. Jeep



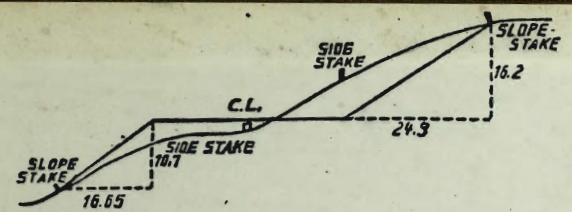
(Chas - Derrer)

NORTH LEVEE FLOOD CHANNEL  
& LEVEE GRADES

0			
0	214+50 P.O.C. defn = 4°57'19"		C 0 <sup>06</sup> 26.60 26.66
0	215+00 P.O.C. defn = 4°03'36"		F 0 <sup>51</sup> 26.3 26.81
0	215+50 P.O.C. defn = 3°09'53" Begin Rock blanket 5'4"		F 0 <sup>86</sup> 26.1 26.96
0	216+00 P.O.C. defn = 2°16'10"		F 3. <sup>61</sup> 23.5 27.11
0	216+50 P.O.C. defn = 1°22'27"		F 1 <sup>06</sup> 26.2 27.26
0	217+00 P.O.C. defn = 0°28'	0.30 696	F 0 <sup>21</sup> 27.2 27.41
0	L = 1250' d = 1.0742958 E Levee R = 1600' d = 11°45'44" 217+26.75 E.C.		C 2 <sup>51</sup> 30.00 27.49
	B.M. 2" Pipe Sta 217+26.75 E E14 End N. Levee		29.98



100.35  
20



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

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

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