

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 14 1965

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 stake

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IMPROVED TABLES  
AND  
INFORMATION

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TABLE No. VIII

To find Tangent and External for curve of  
any other degree, divide by degree of curve and  
add distance found in column of tangents.  
Degree of curve when given, may be found  
by dividing tangent for external, opposite to  
given tangent, (or external).

The distance from a point on the tangent to  
the curve is very nearly the square of the tangent  
length divided by twice the radius.

Grades Ch. Outlet Draper Ave. N. Repair St.	2-
Grades Alley Blk L Plumas Park	3-5.
Grades Alley Blk 33 Ocean Beach	6-7.
Service Grader Lot H Block 7 Central Homestead	8.
Paving Grader Fern St + Juniper	9-10.
Align. Grader Parking Area Adjacent Naval Hospital	12-20
Grader Newton Ave. East of 32 <sup>nd</sup> St	22-23
Paving Grader Alley Blk 153 Univ. Hts	24-25.
" " Fortune Ave. Haines to Ingraham	26-31
" " Oliver Ave. Davies to Farnel	32-38.
" " Alley Block 323 Reed + Daley Hold	37-38.
Service Grader 33 <sup>rd</sup> South of Ocean View	39
Service Grader L. H. Field at Berry + Morenci St	40-41
" " Missouri + Toyer	42.
North West Outer Conn. Morenci Blvd + Camino Del Rio	43-47.
Morenci Blvd + Camino Del Rio Overcrossing	48-

grades - Alley - Blk 22 Fairmount Add.	60.
" Dwight St. W'ly of Wilson	63.
" 60 <sup>th</sup> . Estelle to El Cajon Blk	64
Grades - Garbage Hopper - Beardsley & Water	67
" Randley Street - Balboa Vista	70
" Balboa Vista Drw. Faulconer to So. of Laurel	71
" Alley - E. of 55 <sup>th</sup>	72
" Sewer - Akron St - Ullman & Trumbull	74

Grades Curb Outlet  
 Draper Ave North of Bonair St.

BM 9.78 115.27 105.59

S.W.P.  
 Bonair +  
 Draper

Fast Curb Draper Outlet 105.88

9.49  
 8.96  
 6.57  
 6.50, 0.07

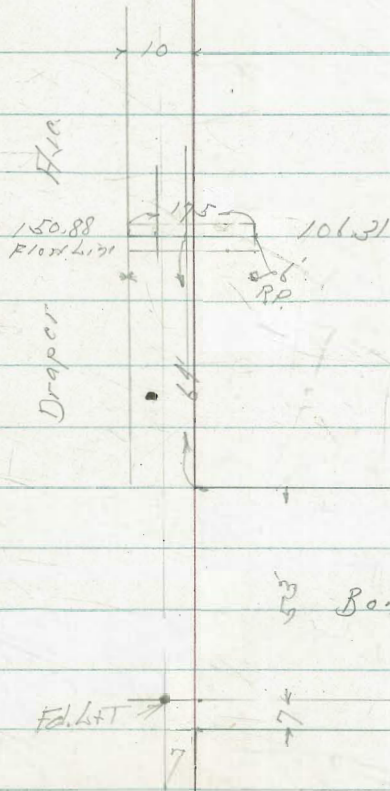
175 F of ECb = 12' let 106.31

9.06  
 8.83  
 6.57  
 6.5

Indexed

April 17-51 2

H.S. Iron  
 Garber  
 Rorer  
 Perfolucci  
 W.O. 30810  
 # 3048  
 4234 B



Grades S/W of H Alley B/K L  
 Plumas Park From Jonquil Dr. to  
 Narcissus Between Elliott St. & Lotus Dr.

Indexed

April 17-51  
 F. B. Jones  
 Garber  
 Roger  
 Bertolucci  
 No. 81698  
 F.B. #2091-25  
 plan # 8240 L

3

	N E L Y	S W N Y		N E L Y	S W N Y
+27.93 = 1/4 H Alley to H	8.10. 7.10 1.00 1.00 58.26. 2 1/2 Stub	7.90. 7.27 0.63 1.58.46. 2 1/2 Stub			
+20	7.52. 8.10 0.18 1.42 158.84. 2 1/2 Stub	7.32. 7.45 0.13 1.57 159.04. 2 1/2 Stub			
1+0	6.22. 5.22 1.00 1.00 160.14. 2 1/2 Stub	6.02. 5.02 1.00 1.00 160.34. 2 1/2 Stub			
+80 = P.C.	5.26. 4.32 0.94 1.00 161.10. 10 x 0.8 grid	5.06. 4.03 1.03 1.00 161.30. 10 x 0.8 grid	+74.44 = H Alley to Narcissus Dr.	9.97. 9.95 0.02 151.33'	9.43. 151.87'
+55	4.26. 3.26 1.00 1.00 162.10. 2 1/2 Stub	4.06. 3.06 1.00 1.00 162.30. 2 1/2 Stub	+57.93	9.30. 8.25 1.05 152.00'	9.10. 8.06 1.04 152.20'
+30 = F.V.C	3.26. 2.05 1.21 1.00 163.10. 3 1/2 Stub	3.06. 2.06 1.00 1.00 163.30. 2 1/2 Stub	+30.43	8.10. 7.21 0.89 153.70'	7.90. 6.47 1.43 153.40'
+20	2.86. 2.22 0.64 1.00 163.50. 3 1/2 Stub	1.80 2.86 1.00 1.00 163.50. 2 1/2 Stub	TP 578	161.30	10.78 155.58
+10	2.66. 2.25 0.41 1.00 163.70. 3 1/2 Stub	2.86. 2.25 0.61 1.00 163.50. 2 1/2 Stub	+202.93	11.96. 11.17 0.79 154.40'	11.78. 10.23 1.55 154.60'
0+0 = S.F.V. Jonquil Drive	2.66. 2.67 0.01 1.00 163.72	2.96 163.40	+75.43	10.76. 9.28 1.48 155.60'	10.56. 9.22 1.34 155.80'
TP *	9.11	166.36	9.19	157.25	156.80'
BM	9.30	166.44		157.14	157.00'

Grades NEly + SWly Alley Block L  
 Plumas Park From SW to NEly H Alley  
 Between Sonoma Dr. + Narcissus Dr.  
 NWly SEly

2+0	153.77	5.60 3.98 0.20 Nail Fence	153.42	5.90 5.90 0.00 7.50		
+80	153.98	5.34 4.97 0.08 Nail Fence	153.68	5.67 5.80 FO.16 1.58 Sub		
+60 = P.V.C.	154.29	5.03 4.77 0.10 Nail Fence	153.99	5.33 5.38 FO.05 2.57 Sub	NWly	SEly
1+20	154.98	4.34 3.82 0.52 0.13 Nail Fence	154.68	4.64 5.07 FO.37 3.57 Sub		
+80	155.66	3.66 3.21 0.15 Nail	155.36	3.96 4.23 FO.27 3.57 Sub	BM	5.36 152.15 2091.33
+60	156.07	3.15 2.82 0.07 X of Conc 2. Apron	155.77	3.55 2.82 0.73 3.57 Sub	+30 = SWly of NWly H Alley	153.00 4.51 4.51 0.00 0.07 Nail
+40	156.60	2.72 2.55 0.17 0.15 Nail Fence	156.30	3.03 2.67 0.35 0.17 Nail Fence	3+20 = Bk	152.90 4.61 4.31 0.00 X of Nail
+10	157.50	1.82 1.73 0.09 0.00 Nail Fence	157.20	4.12 3.75 0.37 0.10 X of Garage	+80	153.14 4.37 4.37 0.00 X of H Alley
0+0 = NEly of SWly H Alley	158.26		156.80		+40 = F.V.C.	153.37 4.14 4.23 0.20 X of 0.2 Nail
BM	207	159.32	157.25		TP	403 157.51 5.84
					2+20	153.48 5.10 5.77 0.03 7.57 Sub
						152.52 0.18 0.20 X of X of

Grades NLY of H Alley Bk L  
Plumosa Park From Sanquill Dr to  
Narcissus Dr. Bet. Elliot St + Lotus Dr.

	NELY	SWLY	NELY	SWLY
1+10.17	153.20 10.73 10.38 35 Stub	153.00 10.9 8.9 2.00 0.17		
+85.17	154.62 9.30 7.67 0.63 3.15 Nail Fence	154.50 9.43 8.42 0.10 0.07 0.17 0.17	+58.75 - NELY Narcissus	147.64 7.89 147.82 7.21 7.20
+60.17 - EVC	156.03 7.89 7.46 0.43 6.0 x on case	156.00 7.92 7.47 0.45 1.00 1.00	+50.17	148.50 6.53 5.53 0.10 1.00 Nail Fence
+50.17	156.73 7.19 7.22 0.08 6.0 x on case 4 pins	156.78 7.14 7.19 0.11 1.0 x on wall	+40.17	148.99 6.04 5.84 0.20 1.15 Nail Fence
+40.17	157.90 6.02 6.34 0.32 2.5 Stub	157.90 6.02 4.28 0.74 1.0 x on wall	+20.17	149.80 5.23 5.07 0.16 3 Stub
+30.17	159.20 4.72 3.72 1.00 0.30 on 150'	159.20 4.72 2.52 2.20 2.5 Stub	2+00.17	150.55 4.48 4.42 0.06 3 Stub
+20.17	160.20 3.72 3.72 0.0 0.30 on 150'	160.30 3.62 2.97 0.65 2.5 Stub	+80.17 - P.V.C	151.18 3.83 3.52 0.31 2.0 x on case 17 pins
+10.17	160.80 3.12 3.37 0.25 2 x on case Drive	161.00 2.92 2.90 0.02 2.5 Stub	+55.17	151.90 3.12 3.54 0.42 0.07 Nail Fence
0+0 - SFLY Sanquill Dr.	160.87 3.05 3.07 on 90'	161.17 2.75	+30.17 - SFLY Hillyer to south	152.62 2.41 1.99 0.44 3 Stub
BM 11.77	163.92	152.15 Hub Flyer 1+20.17 This Flyer	1+20.17 = 8	152.95 2.08 2.04 0.06 3.5 Stub
			TP 2.88	155.03 11.77 152.15 163.92



Paving Grader Alley Block 33  
 Ocean Beach  
 Sunset Cliffs Blvd to Ferny Bld. Niagara & Newport.

Indexed

F.B. # 1868-29

Plan 78054

April 18 51

F.S. 550

Garber

Perce

Perf. Tolucci

N.O. 31688

	114	514				
1+0 = F.V.C.	29.06 $\begin{matrix} 3.61 \\ 3.25 \\ 3.25 \\ \hline 0.03 \\ 35\text{Sub} \end{matrix}$	29.26 $\begin{matrix} 3.41 \\ 3.25 \\ 3.25 \\ \hline 0.09 \\ 1 \times \text{Conc} \\ 4\text{Prop} \end{matrix}$	3+0	31.72 $\begin{matrix} 6.93 \\ 4.28 \\ 4.28 \\ \hline 0.05 \\ 1.7\text{Hail} \\ \text{House} \end{matrix}$	31.92 $\begin{matrix} 6.73 \\ 6.53 \\ 6.53 \\ \hline 0.20 \\ 35\text{Sub} \end{matrix}$	
+80	28.80 $\begin{matrix} 3.87 \\ 3.39 \\ 3.39 \\ \hline 0.48 \\ 4.5 \times \text{Conc} \\ \text{Floor} \end{matrix}$	29.00 $\begin{matrix} 3.67 \\ 3.16 \\ 3.16 \\ \hline 0.51 \\ 25\text{Sub} \end{matrix}$	+60	31.08 $\begin{matrix} 7.57 \\ 7.43 \\ 7.43 \\ \hline 0.14 \\ 35\text{Sub} \end{matrix}$	31.28 $\begin{matrix} 7.37 \\ 7.01 \\ 7.01 \\ \hline 0.36 \\ 35\text{Sub} \end{matrix}$	
+60	28.41 $\begin{matrix} 4.16 \\ 3.28 \\ 3.28 \\ \hline 0.09 \\ 4.1\text{Stucco} \\ 8\text{In} \end{matrix}$	28.61 $\begin{matrix} 4.06 \\ 3.24 \\ 3.24 \\ \hline 0.72 \\ 25\text{Sub} \end{matrix}$	+20 = F.V.C.	30.44 $\begin{matrix} 8.21 \\ 8.12 \\ 8.12 \\ \hline 0.09 \\ 35\text{Sub} \end{matrix}$	30.64 $\begin{matrix} 8.01 \\ 7.35 \\ 7.35 \\ \hline 0.66 \\ 26\text{Hail} \\ \text{House} \end{matrix}$	
+40	27.89 $\begin{matrix} 4.78 \\ 5.20 \\ 5.20 \\ \hline 0.42 \\ 3 \times \text{Conc} \\ \text{Walk} \end{matrix}$	28.09 $\begin{matrix} 4.58 \\ 4.28 \\ 4.28 \\ \hline 0.30 \\ 2 \text{Hail} \\ \text{Parab} \end{matrix}$	TP. 8.42	38.65	38.44	38.23
+20	27.31 $\begin{matrix} 5.06 \\ 5.06 \\ \hline 0.04 \\ 35\text{Sub} \end{matrix}$	27.51 $\begin{matrix} 5.16 \\ 4.76 \\ 4.76 \\ \hline 0.40 \\ 25\text{Sub} \end{matrix}$	2+0	30.14 $\begin{matrix} 2.53 \\ 2.47 \\ 2.47 \\ \hline 0.09 \\ 35\text{Sub} \end{matrix}$	30.34 $\begin{matrix} 2.37 \\ 1.57 \\ 1.57 \\ \hline 0.76 \\ \text{as conc.} \end{matrix}$	
			+80	29.88 $\begin{matrix} 2.79 \\ 2.51 \\ 2.51 \\ \hline 0.28 \\ 2 \text{Conc} \\ 7\text{Prop} \end{matrix}$	30.08 $\begin{matrix} 2.59 \\ 2.38 \\ 2.38 \\ \hline 0.21 \\ 1 \times \text{Conc} \\ 4\text{Prop} \end{matrix}$	
0+0 = F.L. Sunset Cliffs Blvd.	26.55 6.12	26.73 $\begin{matrix} 5.94 \\ 5.97 \\ \hline 0.11 \end{matrix}$	+60 = P.V.C.	29.66 $\begin{matrix} 3.01 \\ 2.98 \\ 2.98 \\ \hline 0.03 \\ 1 \times \text{Conc} \\ 4\text{Prop} \end{matrix}$	29.86 $\begin{matrix} 2.81 \\ 2.81 \\ 2.81 \\ \hline 0.05 \\ 1 \times \text{Conc} \\ 4\text{Prop} \end{matrix}$	
B.M. 163	32.67	32.04 NWRR Niagara + Sunset Cliffs	1+30	29.36 $\begin{matrix} 3.31 \\ 3.20 \\ 3.20 \\ \hline 0.11 \\ 2 \times \text{Conc} \\ 4\text{Prop} \end{matrix}$	29.56 $\begin{matrix} 3.11 \\ 3.04 \\ 3.04 \\ \hline 0.07 \\ 1 \times \text{Conc} \\ 4\text{Prop} \end{matrix}$	

5-10	NH 36.62' c0.85' 203' 1.18' 1/1 Nail Fence	SH 36.82' c0.80' 183' 163' 2' Stub	NH	SH
+80 = PVC	35.81' c1.58' 284' 1.12' 1/1 Nail Fence	36.01' c1.47' 264' 1.12' 0.11 Nail Fence	RM 3.56	792 43.04 237 47.40
+40	34.73' c0.75' 297' 8.17' 2' Stub	34.93' c0.03' 277' 2.69' 4.5 x Conc Fence	+99 = W.L. Fibers 47.16'	261. 237' 230' 275' 25'
+40 = PVC	32.65' c0.96' 5.00' 4.04' 3' x Conc	32.85' c0.07' 4.80' 4.33' 2' Stub	+80	493' 473' 1.37' 44.84' c0.77' 1 x Conc 0.5 x Top Conc Wall
+80	33.15' c0.46' 5.50' 5.04' 3' Stub	33.35' c0.21' 5.20' 5.09' 3' Stub	+60	7.56' 6.30' 42.21' c1.06' 2' Stub 7.36' 3.28' 42.41' 0.5 x Conc Wall Top
+60	32.72' c0.45' 5.93' 5.48' 5' x Conc Conc	32.92' c0.02' 5.73' 5.75' 3' Stub	+40	9.95' 8.21' 39.82' c1.54' 0.5 x Top Conc Wall
+340 = PVC	32.36' c0.33' 6.29' 5.96' 3' Stub	32.56' c0.18' 6.09' 5.91' 3' Stub	5-20	11.82' 11.77' 37.95' c0.05' 2' Stub 11.62' 10.80' 38.15' 3' x Conc Fence
	3865		TP	12.05 49.77 0.93 37.72

SWBP  
No report  
Fence  
43.06

3865

Sevier Grader / Lot H. 8147  
 Central Homestead  
 North of Ocean View West of 34th St

Indexed

stake off 1' North

April 30 - 51. 8  
 H. Sisson  
 Garber  
 Barber  
 Bertolucci  
 140-22009

2+0		9.50	10.02 ✓ 452 c5.75
+75		9.25	10.27 ✓ 426 c5.87
+50		9.00	10.59 ✓ 428 c6.67
+25		8.75	10.77 ✓ 426 c6.57
1+0		8.50	11.02 ✓ 453 c6.77
+75		8.25	11.27 ✓ 430 c6.70
+50 = M.H.		8.00	11.52 ✓ 425 c7.15
+25		6.50	13.07 ✓ 430 c8.75
0+0 = First		5.00	14.54

2+50

9.80 ✓  
9.72 ✓  
450  
c4.22

First  
Stake

8' Easement

128

Ocean View Blvd.

TP	244	19.54	5.07	17.08
BM	493	22.15	17.22	SE Top Fire Hydrant Ocean View 33rd St



BM

1.57

28711

28557

Juniper St

BM

3.29

28886

28557

BM

2.62

28557

SF TOP  
First in  
Juniper  
to other  
corn

BM

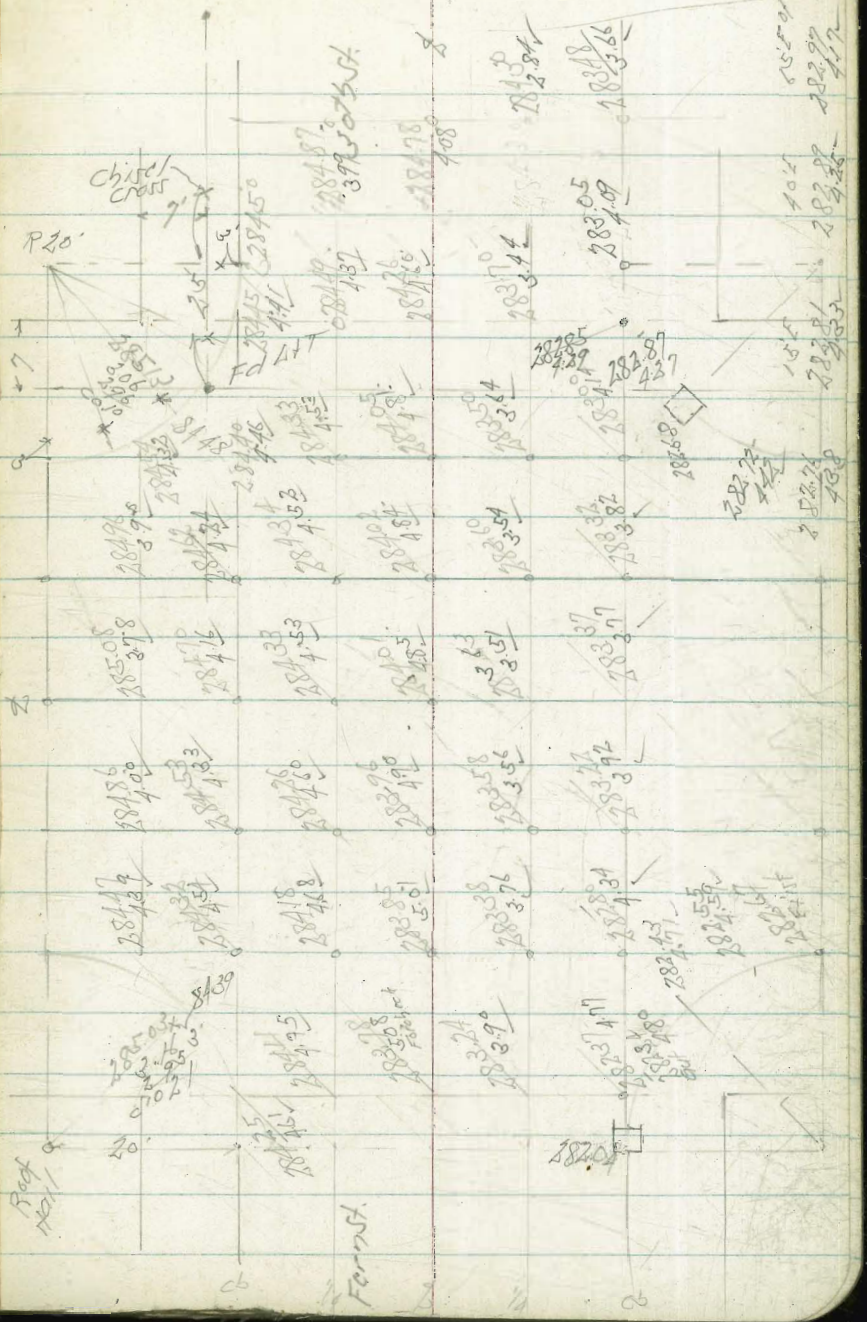
Will be taken  
out

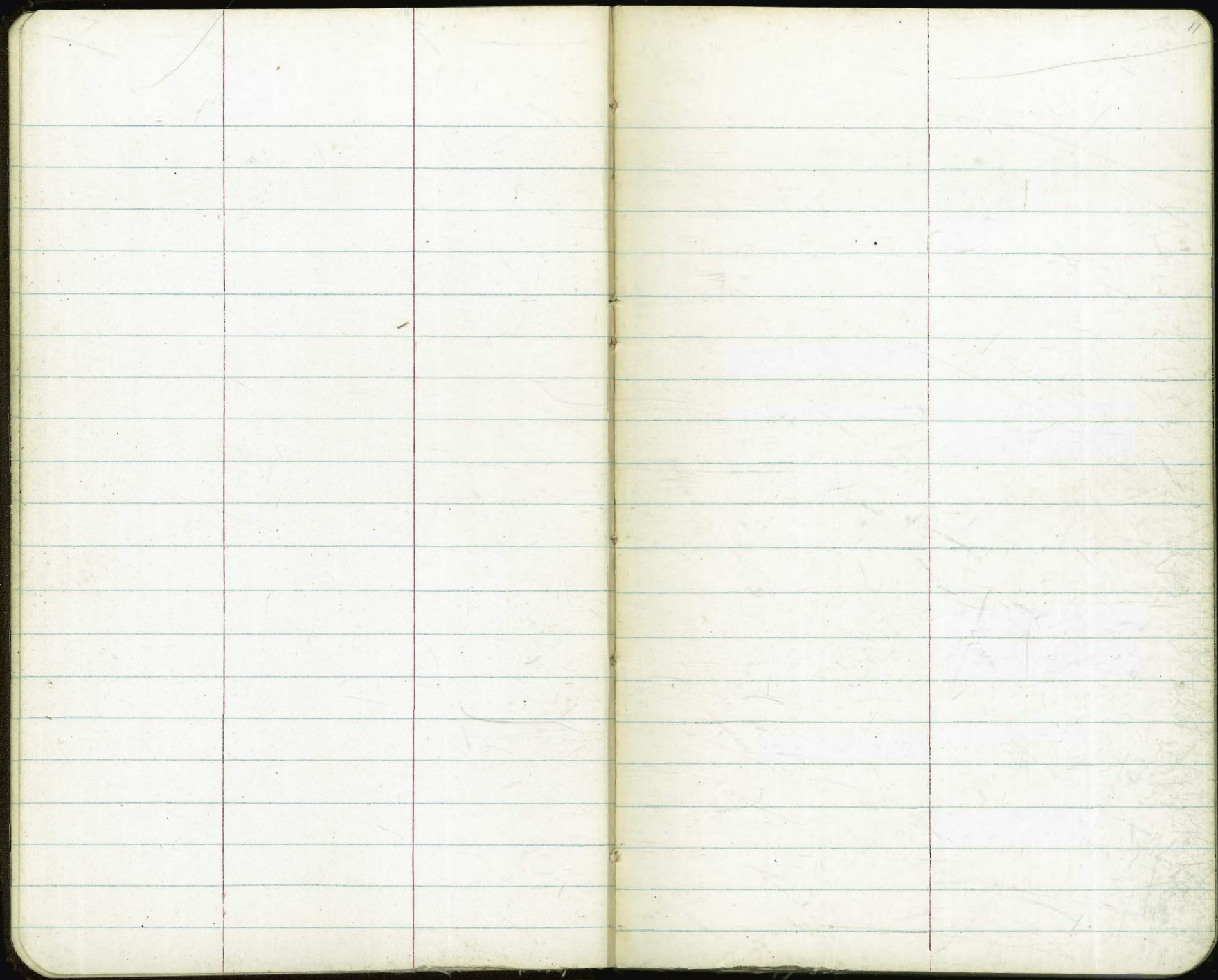
2.10

28509

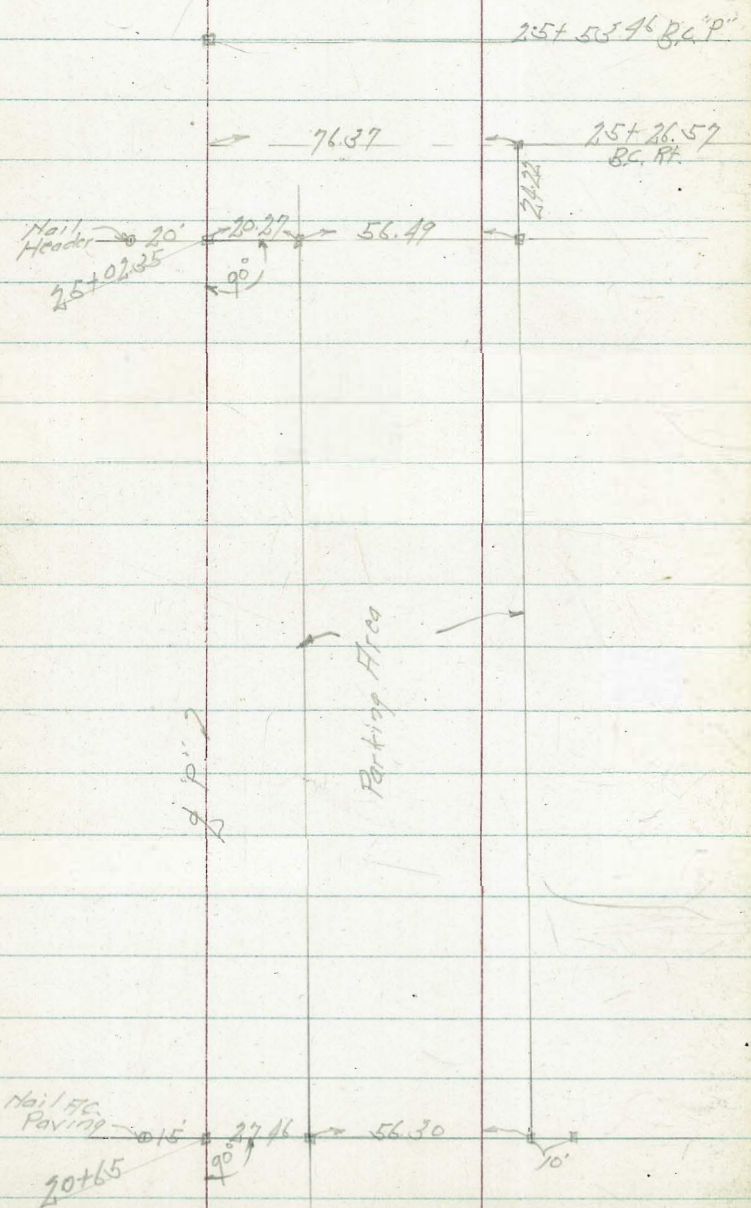
NXBP  
Juniper  
73357

28819

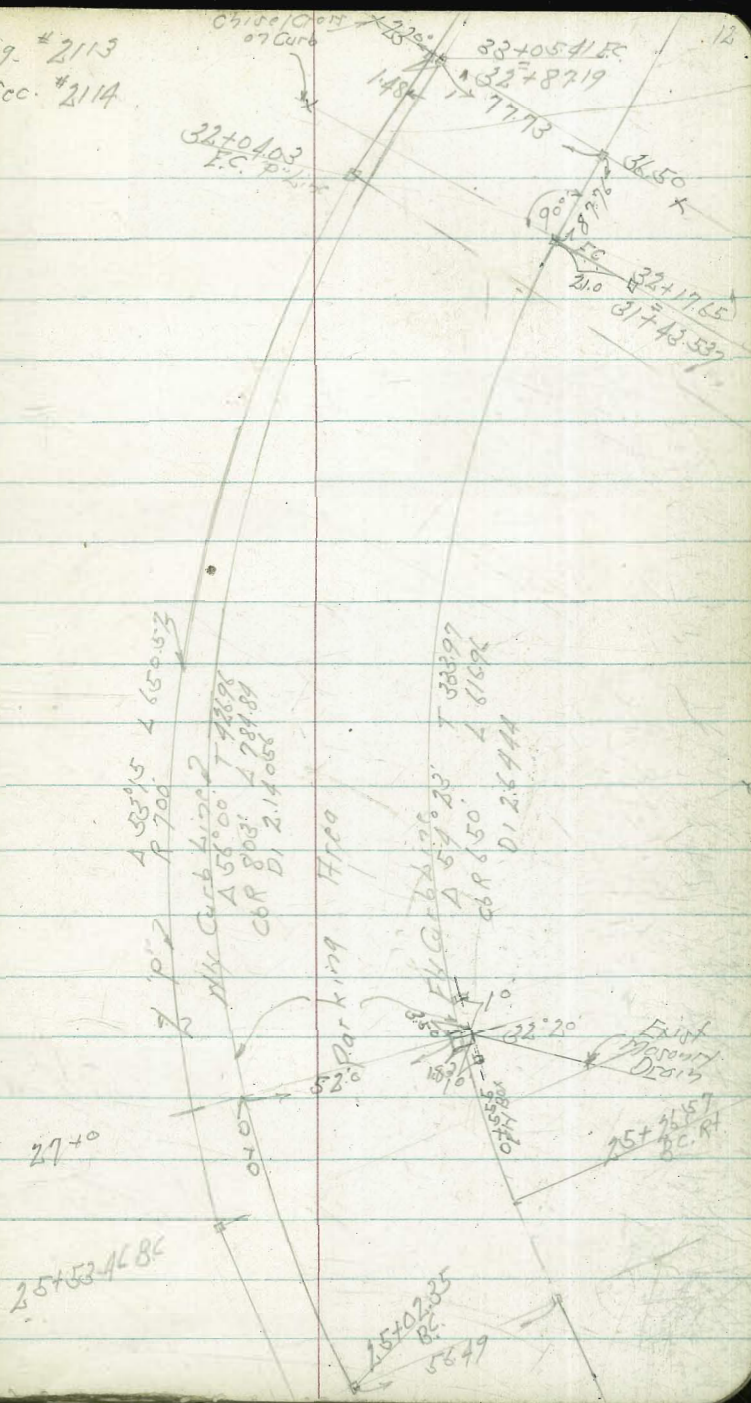


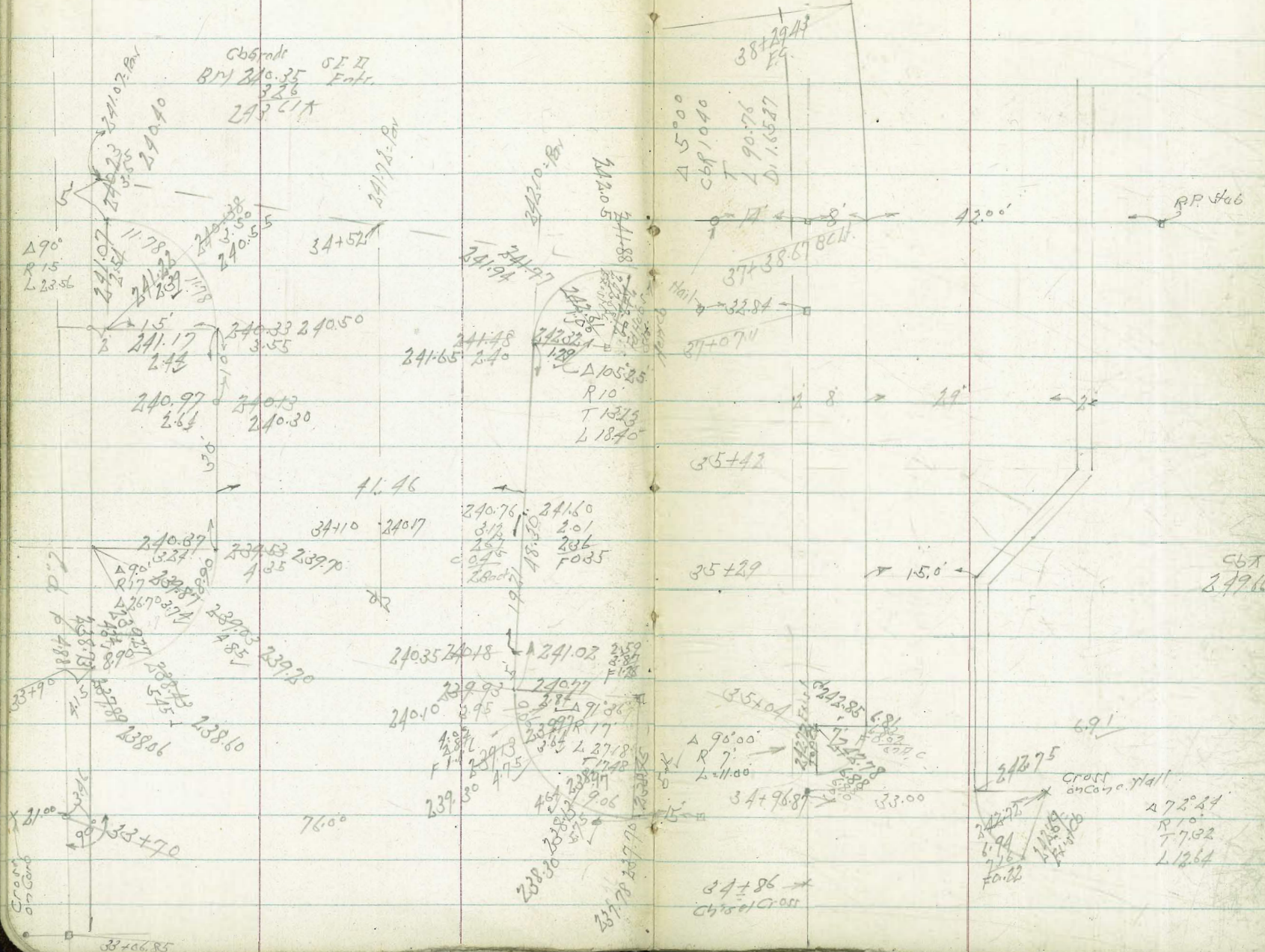


Alignment Parking Area Adjacent  
to U.S. Naval Hospital Balboa Park *Indexed*



Align. # 2113  
Cross Sec. # 2114





33+66.85

34+86  
C67801 Cross

C67  
249.66



Grades Parking Area Adjacent to U.S.

Naval Hospital Balboa Park

W.C. Sta. Sdr. Slope Curb or Gutter Profile Gr. Wide

23+0 15' 1 1/2" 208.19 207.52  
207.35  
2.23  
0.25 1.0  
0.5  
3.8

450 - P.V.C. H.S. Man  
Rerci  
Berlucci  
Dist. 1000  
206.84 206.17  
206.00  
2.30 2.7  
2.1  
0.8  
3.5

July 21-51  
Curb Grade

19808  
11-06  
22+0 209.14 204.73  
204.56  
0.94 5.02  
208.20 3.8  
8-66 3.0  
216.86 3

450 203.97 203.30  
203.13  
5.17 5.3  
5.9  
F. 0.2  
3.3 0.875  
1.45

21+0 202.53 201.86  
201.69  
6.61 6.7  
7.2  
F. 0.5  
3.8 7.89

20+65 201.52 200.85  
200.68 56.30  
7.52 7.7  
7.2  
F. 0.1  
3.6 8.2  
8.90  
0.0

BM Finish  
Slope Grade 11.49 209.58 198.09  
Slope Stakes  
BM 11.10 209.19 198.09  
80 Bar  
Light Stk  
4117 MS

Finish Gr. June 12-51

W.C. Sta. Sdr. Slope Curb or Gutter Profile Gr. Wide

206.93 206.58  
206.50  
3.08  
2.65  
207.25  
1.9  
1.89  
0.12  
3-Fence

205.73 205.54  
205.46  
3.85 4.12  
3.0  
3.2  
0.12  
3-Fence

204.31 204.23  
204.06 204.90  
5.27 5.52  
5.1  
3.9  
0.05  
3-Fence

202.87 202.78  
202.61 6.36  
6.71 6.97  
6.2  
0.07  
7.6

201.41 201.33  
201.16 7.81  
8.17 8.42  
8.0  
0.0  
11

200.41 200.31  
200.14 8.83  
9.17 9.44  
9.1  
0.0  
9.7

out  
199.56 4:1 00  
9.6  
9.5  
0.5

May 28-51

H.S. Man  
Sdr. Berlucci  
No. 20669

Slope 2.5  
Fence 1.89  
23+0

Slope 2.5  
Fence 2.93  
2.9  
0.12  
3-Fence

4.24  
4.1  
0.0  
1.1  
3.9  
0.05  
3-Fence

6.36  
6.97  
6.2  
0.07  
7.6

7.81  
8.42  
8.0  
0.0  
11

8.83  
9.44  
9.1  
0.0  
9.7

4:1 00  
9.6  
9.5  
0.5

Slope of Fence

B.S.

214.50

XC6Sta	Side	Slope	Def.	Curb Stat-Gr.	Profile Grade	W. do	Gr. Grade	Gutter - Profile Gr.	Curb or Stat-Gr.	Slope	Side	XC6Sta	
+50	3	1/2:1	5° 16.06	214.70	213.86	60.49	213.36	213.07	213.82	1/2:1	5.5	5° 21.40	+50
				2.5	6.8 4.9 0.13 5.8	6.77	7.27	7.56	-1.9 9.9 F11.8 33.2	3.04			
214.0			3° 29.03	213.78	212.94	59.13	212.44	212.06	212.81			3° 14.18	214.0
				3.08	7.1 5.7 0.14 5.1	7.69	8.12	8.52	-0.9 11.5 F12.4 241	4.05			
209.587 1.68 207.90 6.64 214.54 1.07 TP 213.47 7.15 220.63			1° 42.00	212.86	212.02	57.78	211.52	211.05	211.80	2/3	5.06	1° 01.92	+50
				4.0	8.6 0.15 8.3	8.61	9.11	9.58	F61 197				
TP	7/6		220.91	229	213.45	56.49	210.52	210.05	211.33	5.53			+26.57 82.97
25+02.35 BORD				0.75 25+02.35	211.31 211.14	56.49	210.64	210.58	210.66 210.58 10.05	10.79			
curb Gr 216.867				4.88	3.8 2.5 0.13 5.0	9	3.90	4.43	10.1 F5.7 14.1				25+02.35
+50					211.04	210.37	209.70	209.28	210.89				+50
				5.82	4.7 0.6 5.1	4.34	4.84	5.34	10.53	5.97			
214.0					210.14	209.47	208.80	209.25	209.95	6.91			
				6.72	5.6 4.0 4.5	5.21	5.71	5.34 11.43	5.8 9.8 F3.8 11.2				
23+50.4 VC	2	1/2:1		209.21	208.57	207.90	207.48	208.38	209.05	1/2:1	5.5		
				7.42	6.5 0.13 6.38	1.18	1.68	6.24	6.7 8.7 F3.0 8.5	7.81			
TP	7.06		215.74	0.51	208.68		207.40	208.15					22+50
					209.197		2.18	7.6 6.0 10.5					

MCB Sta	Slope	Shdr Gr	Profile	Wide	z	Profile Gr	Shdr Gr	Slope	Shdr	FCB Sta	
+50 P.O.C.	1/2" 1	15° 58.22'	221.76 9.6 9.8 0.2 7.5 0.379	220.92 9.22	68.60	221.05 9.09	221.80 9.5 9.7 0.2 4.0-Fence	1 1/2" 1	2.5	18° 37.72' P.O.C.	+750
29+2029 F.V.C.		14° 54.63'	220.63 10.6 9.5 0.1 4.7	219.79 0.84	17.79	219.29 1.34	219.90 2.5 1.9 0.2 4.0-Fence		2.65	219.71	29+2257
+71.43		13° 10.04'	219.02 12.3 12.7 0.4 5.4	218.18 2.15	66.47	217.68 3.95	219.39 3.0 2.5 0.5 4.0-Fence		7.22	15° 52.38'	+86.74 P.V.S.
TP	11.59	231.30	1.20	219.71	28722.57						17.64
+2257 F.V.C.		11° 25.45'	217.88 3.0 1.2 0.18 5.7	217.04 3.59	65.16	216.54 4.09	217.89 4.5 4.1 0.4 7.0-Fence		8.73	13° 54.35'	28+421.0
28+0	8.52 x 0.50 Below MCB	10° 37.14'	217.16 3.5 1.8 0.18 5.7	216.62 4.02	64.55	216.12 4.51	216.79 5.6 9.8 F 11.8		9.82	55-11° 56.82' P.O.C.	27+97.6 P.V.C.
+50		8° 50.11'	216.54 0.32 3.1 0.1 5.0	216.70 4.93	63.19	215.20 5.73	215.83 3.9 3.7 F 7.6 7.69		10.98	9° 50.81'	+50
27+0	3 1/2" 1	7° 03.08'	215.62 1.21 5.3 4.0 0.1 5.0	214.78 5.85	61.84	214.28 6.35	214.82 2.9 F 9.7 6.3 211.94	1 1/2" 1	5.5	7° 38.62'	27+0

22504  
Rate  
TP

80850

02015

MC Sta	Slope	Cur. Sht. Gr.	Profile Gr.	Wide	Z Grade	Profile Gr.	Cur. Sht. Gr.	Slope Sht.	MC Sta.
+52.58	3' 1/2" 1	26° 45.78	232.30 9.0 19.0 30	232.46 7.50 4.05	76.74	231.85 8.11			37+5.25
+13.48	PVC	25° 22.22	231.73 10.5 10.5 30	230.89 9.07 5.32	75.73	230.05 9.91	232.36 7.6	232.11 12.1 9.3 10.7 8.1	5.5 10.550 +90 10
32+0	230.14 T 1.05 228.47 H 11.6 239.96 T	24° 53.36	231.22 11.6 10.5 3.8	230.38 9.58 6.13	75.27	229.55 10.41	230.18 9.78	230.95 0.4 1.9 7.8	5.5 12.58 32.35
TP	10.99	242.27	0.02	231.38		228.66 1.48	229.41 1.9 3.2 7.5	5.5	27° 11.50 32+17.65 7.1553 12.55
+50	66.9 228.61 T 1.00 225.61 14.74 237.35 T	23° 06.34	229.33 2.0 0.5 5.3	228.49 1.65 8.02	74.02	227.65 3.42	227.55 1.9 3.8 7.5		31+01 PVC 12.55
31+0		21° 19.31	227.44 3.9 2.8 0.75 5.4	226.60 3.54 9.91	72.66	226.80 3.32	227.55 3.8 4.8 7.8	7.5	25° 19.02 9.80 4-Fence
+50		19° 32.28	225.55 5.8 4.5 0.3 5.0	224.71 5.43 1.06	71.31	224.86 5.28	225.61 5.7 6.8 7.0-Fence	7.5	23° 04.16 +50 110°
30+0	3' 1/2" 1	17° 45.25	223.65 7.7 6.3 5.1	222.81 7.33 2.96	69.96	222.95 7.19	222.70 7.5 10.4 7.0-Fence	2.5 20° 51.91 PVC 30+0	

MC Sta

Rate

POBRO

Stdr Slope Curb  
Stdr Grd. Profile Gr. Width

Grade Profile Gr. Curb  
Stdr Gr. Slope Stdr.

239.917  
2.07

237.89  
5.99

243.88 X 8' 8" Curb  
3.55' Entry Part + Blvd.

BM 240.33

34+10

BM

1.92

240.35

SE of Curb  
+ Entrance  
to Naval  
Hospital  
240.37  
2114-18

240.17  
5.71

Curb Grade  
237.357

TP 237.84 on Sta. 33+00  
8.78 on W.

243.627

246.365

238.73

237.89

2.07

239.30  
4.58

237.70

238.45

1 1/2' 5.5

+70

Car. 0.66  
BM 240.35 SE of Curb  
3.26

4.0  
F0.5 4.88  
3.8

Cont Page 13

+50

236.89

236.05

5.4  
7.6  
F0.6 6.78  
3.9

236.55  
3.41

236.24

236.99

5.3  
8.8  
F2.7  
9.6

+50

33+10 - EVC

235.05

234.21

out

5.75

233.89  
6.07  
out

233.57

234.32

out

+10

33+05.41  
33+87.19 EVC

1 1/2' 28° 00'

234.84

234.00

77.73

7.4  
8.1  
F0.7  
7.1

2.51  
5.96

233.65  
6.31

233.29

234.04

1 1/2' 5.5

33+05.41

8.2  
10.8  
F2.4  
9.1

24227

Profile

Fig 15 b Grades  
Jan 15. 51

Jan 4. 51  
H.S. W  
Porter  
B. L. Lucci  
Fritz

Stdr Slope Stdr Gr. Profile Gr.

Profile Gr. Stdr Gr. Slope Stdr

49.17

+ 42 = A Cb on Pt

24389.0 24305.  
7.88 7.34  
6.77 6.32  
Hail AC

0.8685

243.60. 244.44. 39' Ref P

6.79 7.13 5.22  
4.25 8.13 1.22  
5.57 6.00 3.72  
1.0' Back 3' Back

Finish  
BM 240.35  
10.04  
250.39

+ 29 = A Cb on Pt

24256.0 242.70.  
8.03 7.69  
6.16 6.03  
7.70 6.03  
Hail AC

242.95. 243.79. 25' Ref P

7.44 7.78 5.87  
8.26 10.68 1.22  
10.52 2' Back

35+04

24225.0 242.41.  
8.32 7.98  
8.67  
F0.29  
Hail AC

5' AC on  
Fall  
BM 240.35  
7.31  
249.66

+ 97

24217.0 242.33.  
8.40 8.06  
8.83 on Cb out

+ 96.86 = Cb EC. Pt

242.33. 242.75  
8.06 7.69

34+86

242.56 242.83

BM 11.22 251.57

24035 SE 1/4 Curb  
Foot to  
Hail AC  
4' on 1.81

	Stdr.	Slope	Curb Stdr. Gr.	Profile Gr.	Profile Gr.	Curb Stdr. Gr.	Slope	Stdr. Gr.
+29.43 FC	1' 30"	10 1/2%	254.67	253.83				
+11			5.03 3.02 8.05	2.71	254.03	254.87	4.83	39'
38+0	1' 41.38"	10 1/2%	253.44	252.60	2.51	4.14 4.95 F0.81	5.15 F0.82 3 Back	Finish 259.39 258.49 256.54
3066			6.26 5.57 8.67 F1.10	3.94	253.15	253.99	5.71	
+69.34	0' 50.69"	10 1/2%	252.29	251.45	2.52	6.17 4.88 C7.61	6.86 5.21 0.65 30	259.07 255.51 254.93 253.8
3067			7.41 6.72 7.25 F1.03	5.09	250.85	251.69	8.01 4.27 3.84 30 Back	BM 269.55 Top of Rail 4 1/2' 10' 19' F 1.25 264.56 214-23-53
37+38.67	2' 11"		251.14	250.30	5.19	7.32 4.28 3.04 C3.97		
BC. At Carb			8.56 7.87 7.37 F1.42	6.24	249.04	249.88	9.17 5.03 C7.10	249.66 0.61 249.05 1.66 259.70
4911					1.35		7.82 9.88 F0.85 1.15	
+89.51	2' 11"		249.33	248.49	10.37	9.68 14.22 F1.54		
36+40.34	2' 11"		247.52	246.68	2.14	11.49 12.84 F1.35	1.59 1.24 0.12 15	
3.77	8.22		249.01	250.99	0.5685			
35+91.17	2' 11"		245.70	244.86	247.27	248.07	15.91 7.19 C3.75	
			3.91 5.87 5.24 00.00	5.63	245.41	246.25	3.41 1.53 C3.77	39' 11" 18" P"
			251.57		4.98	5.32 1.88 C3.77	3.41 1.53 F0.12 1.25 Back	

See page 23  
for Storm Drain  
Same Area

The image shows an open notebook with two facing pages. Both pages are cream-colored and feature light blue horizontal ruling. A vertical red margin line is present on the left side of each page. The right page has a small number '21' written in the top right corner. The pages are otherwise blank, with some faint, illegible markings and a small blueish stain on the right page.



Grades Norton Ave.  
East of 32nd St.

	North	East	South
TP	54.2	58.31	4.74 58.12
+65	50.68 7.0 6.5 0.15	50.10 7.3 7.8 F1.9	50.8 7.5 6.8 00.7
+30	51.48 6.3 5.7 00.5	51.20 6.5 7.7 F1.2	50.99 6.7 7.6 F0.9
+95	52.28 5.4 5.7 F0.3	52.00 5.7 7.2 F1.5	51.79 5.9 7.9 F2.0
+60 - Brkover	53.08 4.6 5.7 F1.1	52.80 4.9 5.2 F1.0	52.59 5.1 7.6 F2.5
+40 - Brkover	53.55 4.6 5.9 7.0	53.30 4.4 5.2 F0.8	52.92 4.7 5.7 F1.0 0.7 40 Conc Porch
0+0 = East Line 32nd St	54.47 3.19 3.18 2/3 ch		52.91 4.75 4.80 0.2 ch
BM 228	57.66	55.38	N 1/2 R P Norton 32nd St

Indexed

N.O. 20008  
+ Sec. # 1721  
80' wide  
Satchel set 57' x 45' Line  
4100 ±

June 1-51 22  
45' iron  
Garbet  
Porch  
Bentolucci

	North	East	South
TP		2.94	55.40
+60	33.50 2.50 9.2 0.15.3	33.25 2.51 2.8 0.15.3	33.00 2.58 2.03 0.15.0
3420 - F.V.C.	39.38 19.0 3.3 0.15.7	39.20 19.1 5.1 0.14.9	39.00 19.3 7.5 0.17.8
+80	44.60 13.7 2.9 0.10.8	44.38 14.0 5.9 0.89	44.15 14.2 5.7 0.6.2 50 5/8
+40	48.10 16.2 4.6 0.5.6	47.85 10.5 5.7 0.48	47.61 10.9 7.1 0.3.5
3+0 - P.V.C.	49.88 8.5 5.3 0.3.2 7.0 5.834	49.10 8.7 9.5 F0.6	49.32 9.0 7.9 0.7.9 4.0

N 1/2 R P  
Norton  
+ 32nd St  
55.38

Storm Drain U.S. Naval Hospital  
Parking Area

Sketch Page 12

Ind.

Conc Pipe  
18" 80'

July 16-51  
H.S. Iron  
Port  
Bartolucci  
Fritz

23

+83.5 F

200.30

+55.5 Fly Box

209.00

+52 - Fly Box	C6 214.50	205.00 F	209.00 H
HTape inlet	3.36	12.86	8.56
	3.29	3.29	3.29
	00.07	09.57	05.57
	10'H	10'H	10'H

+26

209.52

8.34  
3.32  
05.02  
10'H

0+0 - End Pipe

210.04

7.82  
2.24  
04.88  
10'H

TP 7.92 217.86 0.15 209.94

BM 12.00 210.09 198.09

B.P. Box  
Lamp

Paving Grader Alley Block 153  
University Heights Polk to Howard  
between Utah + Kansas

Indexed

Oct. 15-51 yr. 0.81725  
H. Sisson  
Clark  
Rogers  
Fritz

Comm. Sec. 2/20-16 24  
West East

	West	West	East		West	East		
				4+30	514. 481. c0.231 3'	371.00	370.80	524. 491. c0.231 3' Stub
+50	515. 395. c1.30 c0.061 10' nail fence	369.88	369.68	490	530. 479. c0.51 28' nail fence	370.84	370.64	550. 515. c0.35 3' Stub
1+10	531. 385. c1.26 0.85 nail fence	369.72	369.52	450	546. 472. c0.72 28' nail fence	370.68	370.48	556. 515. c0.38 3' Stub
+70-EVC	547. 463. c0.84 0.66 nail 8'1/2	369.56	369.36	TP	547	376.14	436	370.67
TP	513	375.03	370	3+10	451. 463. c0.12 3' Stub	370.52	370.32	476. 438. c0.38 3' Stub
+50	417. 366. c0.51 2' x 0.7 2' Drive	369.43	369.25	+70	467. 460. c0.07 3' Stub	370.36	370.16	487. 457. c0.30 0.97 nail 3' Stub
+30	439. 386. c0.53 2' x 0.7 Drive	369.21	369.09	2+30	483. 463. c0.20 3' Stub	370.28	370.00	503. 463. c0.40 2'07'46
0+0 = N.L. Polk	368.80 4.80 4.85 nail fence	368.81	368.81	1+90	499. 467. c0.32 1'20'46	370.04	369.84	510. 496. c1.17 3' Stub
BM	513	372.60	368.47					

37503

West

East

BM

294 373.87

5970  
21303.21 BP  
Horizontal  
+ dials  
Red 373.95

6 + 00.25 - 51. Horizontal 371.68.

5.13  
5.2007FC

371.48

5.33  
5.3607FC

+90

5.12  
3.21  
0.0931  
3 Nail

371.64.

371.44.

5.29  
4.16  
0.0871  
3 Stub

TP

5.46

376.81

4.79

371.35

+50

4.66  
3.21  
0.088  
1.60 Nail  
Fence

371.48.

371.28.

4.86  
4.68  
0.18  
3.5 Stub

5+10

4.82  
4.73  
0.09  
3 Nail  
Drnc.

371.32.

371.12.

5.22  
4.67  
0.25

4+70

4.98  
4.78  
0.20  
7.5 Stub

371.16.

370.96

5.18  
4.88  
0.20  
7.5 Stub

376.14

Fortuna H.A. Curb + Paving Grader  
Haines to Ingraham

Curb stakes  
offset 4' back  
of face of curb  
Indented

506

+15 = E.L. H/ley

40.77

Cbfc 54  
40.77 40.91

+10.5

40.71

8.55.  
8.61.  
C.B.C. 8.76.  
2.55.

+04.5

40.65

54  
40.6/cbfc 40.75

1+0 = E.L. H/ley

40.61

8.71.  
8.77.  
C.B.C. 8.09.  
2.48.

+96.00 = C.B.C

40.57

8.79.  
8.77.  
C.B.C.

+64.84

40.25

9.13.  
9.23.  
C.B.C.

+33.67

39.98

9.66.  
9.66.  
C.B.C.

31.12

+02.5 = C.B.C

39.61

9.79.  
9.68.  
C.B.C.

0+0 = E.L. Haines

39.50  
9.82.  
9.67.  
C.B.C.

B/M 10.40 49.32

38.92

End of  
5th Rd.  
Fortuna  
+ Haines  
G#388

566

+15 = W.L. Prampontay

2+12.50 = C6BC

+95

+81.34

+50.17

31.17

1+19 = C6EC

41.62

41.77

7.55.  
7.77  
Fo.84.

41.43

7.89.  
8.06.  
Fo.17.

41.10

8.22.  
8.39.  
Fo.17.

40.77

8.53.  
8.61.  
Fo.06.

49.32

Fortuna Hjt

+10.5

+04.5

+10 = W L Hjt

W L  
C.B.C.  
46.71  
2.46  
1.32  
01.10  
46.57  
2.10  
3.06  
F036

+96 = C.B.C.

Fortuna

BM 1184

3.63  
50.47  
2.00

+7.5

41.47  
3.86  
45.33  
11.39  
33.94  
2.58

46.50  
2.67  
3.06  
F039

+5.5

36.52  
12.59  
23.1

L+D  
HEPP  
RW/erd  
+Fortuna  
45.49  
3.69  
4.03  
33.92  
F034

BM

+3.5

44.66  
4.51  
4.87  
F036

+02.5 = C.B.C.

43.12  
6.03  
6.12  
F009

0 + 0 = Ft. Promontory

North Side

BM

433 49.17

44.84

2 Lt T  
Fortuna  
17900000

2  
146.19  
1.28  
4.67

146.15  
4.33  
7.28

78

28

565

46.10  
3.22  
3.23  
F031

46.24  
3.08  
3.08  
0.0

46.04

3.38  
3.29  
F0.15

45.67

3.65  
3.78  
F0.13

45.10

4.22  
4.35  
F0.13

44.32

5.00  
5.20  
F0.20

42.87

6.45  
6.47  
F0.02

49.32

HCB

L

SCB

TP

442

4926

4.48

44.84

247  
Fortuna  
+ program

2+02.50 = Cb RC

45.70  
3.87  
4.20  
Fo.33

44.80

2.52  
2.58  
Fo.04

+78.75

45.78  
3.33  
3.50  
Fo.11

45.28

10.1  
4.43  
Fo.39

+55 = F.V.C.

46.27  
2.90  
2.96  
Fo.08

45.77

3.55  
1.10  
Fo.55

+35

46.56  
2.61  
2.99  
Fo.18

46.07

3.25  
3.82  
Fo.57

+19 = Cb EC 4R

46.62  
2.53  
2.76  
Fo.21

46.17

3.15  
3.36  
Fo.21

1+15 = EL Alley

H4  
46.84  
2.35  
2.76  
Fo.27

Cb EC  
46.68  
2.99  
2.76  
Fo.27

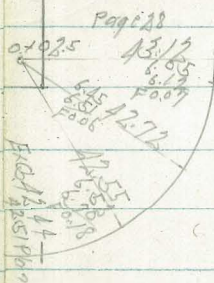
49.17

Cb EC  
46.19  
3.13  
3.36  
Fo.27

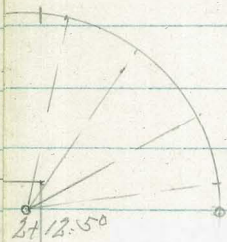
SH  
46.33  
2.90  
2.76  
Fo.27

49.22

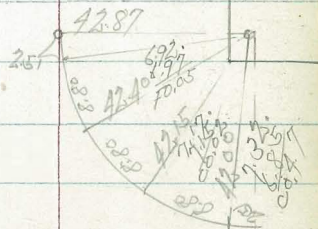




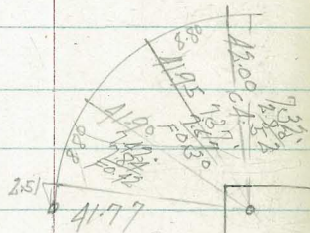
Protractory



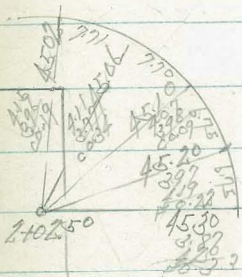
Fortuna



Protractory



179rabam



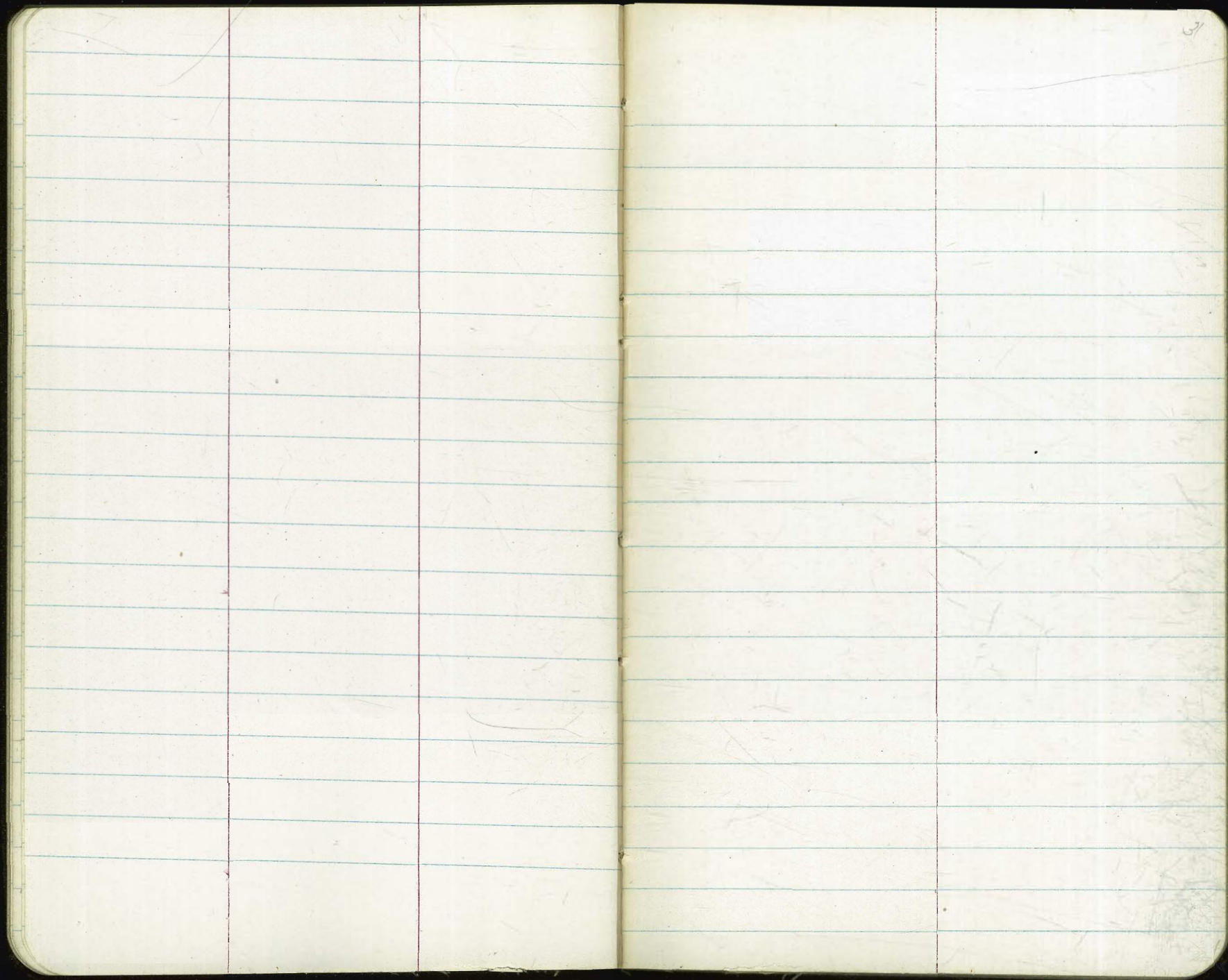
179.17

49.17X

Fortuna

19.26A





Paving Grader Oliver H.Ve.  
Daxner to Fandel

N.P.L. N.C.

Curb Grader  
Dec. 18-51  
H.S. 5000  
Garber  
K. S. Fritz

offsets back  
of curb face

Indexed

N.O. 81847  
x Sec. 2057-60

Nov. 12, 51 32

H.S. 5000  
Penger  
Bishop

5.00

5.00

2+20

2.91  
1.4  
c 1.5

6.00

9.51  
9.56  
6.02

5.38  
3.06  
33  
3.39

10.57  
10.31  
0.26

5.00

3.9  
3.6  
0.3

+80

3.6  
2.2  
c 1.8

5.30

10.27  
10.14  
0.10

4.68  
3.76  
33  
4.07

11.24  
11.23  
0.01

4.00

4.6  
4.2  
0.4

Fig. 456  
Jan. 11-53  
H.C. 1100

BM 298

+40

4.2  
3.2  
c 0.8

4.70

10.84  
10.74  
0.10

4.13  
4.36  
33  
4.69

11.74  
11.67  
0.07

3.80

5.6  
5.4  
0.2

1+0 - PVC

4.7  
3.0  
c 1.7

4.20

11.34  
11.25  
0.09

3.63  
4.86  
33  
5.19

12.34  
11.98  
0.36

5.20

5.6  
5.5  
0.1

+55

5.1  
3.6  
c 1.5

3.80

11.74  
11.59  
0.15

3.25  
5.19  
33  
5.52

12.55  
12.41  
0.14

2.99

6.0  
5.8  
0.2

+10 = Cb F.C. 2.45

5.6  
3.5  
c 2.1  
5' back  
of P.A.

3.39

12.15  
12.06  
0.09

2.86  
5.08  
33  
5.41

12.87  
12.68  
0.19

2.67

6.0  
5.5  
0.5

0+0 = F.L. Daxner

5.6  
5.6  
c 0.0

3.30

new Hub  
Oliver  
+ Daxner  
on Plan

12.94

2.60

6.39  
6.40  
F.O. 07 C6

BM

5.96

8.94

2.98

BM

cb Grub

12.56

15.54

2.98

	SPL	NCB	
TP C69	9.09	23.97	0.66 14.88
TP	9.18	23.97	0.75 14.79

540 = H.L. Events out 12.60

+90 = CB RC N+S  
 3.2  
 1.8  
 5.0  
 0.17 12.36 3.18  
 3.17  
 0.01

4+94  
 4.3  
 3.3  
 0.0 11.26 4.38  
 4.33  
 0.05

+98  
 5.4  
 4.4  
 0.0 10.17 5.37  
 5.53  
 0.16

+52  
 6.5  
 5.2  
 0.0 9.08 6.46  
 6.87  
 0.41

5406  
 7.6  
 6.0  
 0.0 7.99 7.55  
 7.84  
 0.29

TP 8.75 15.54 2.15 6.79

2760 = F.V.C.  
 2.0  
 0.8  
 0.0 6.90 8.64  
 8.76  
 0.08

8.94  
 15.54 T.C. 6.90

Z

S.C.B. S.P.L.

11.70 out

11.79  
 4.08  
 4.03  
 0.05 11.46 4.1  
 3.4  
 0.7  
 10.00  
 0.00

5.20  
 4.93  
 0.27 10.34 5.2  
 4.7  
 0.5  
 5.00  
 0.00

6.31  
 6.02  
 0.28 9.23 6.3  
 5.5  
 0.8

7.42  
 7.28  
 0.14 8.12 7.4  
 6.7

8.53  
 8.19  
 0.34 7.01 8.5  
 7.8  
 0.7

6.28  
 3.16  
 2.99  
 9.44  
 9.14  
 0.30 5.90 3.0  
 2.1  
 0.9

Oliver Ave.

N.P.L.

N.C.B.

S.C.B.

S.P.L.

2145

6.6  
5.0  
c1.6

6.59  
17.38  
c0.13

7.41  
7.39  
c0.02

16.53

7.41  
6.3  
c1.1

+98

7.2  
5.3  
c1.9

7.20  
16.77  
c0.09

8.04  
7.70  
c0.34

15.93

8.0  
6.4  
c1.6

+51

7.8  
5.7  
c2.1

7.81  
16.16  
c0.05

8.67  
8.56  
c0.08

15.33

8.6  
7.3  
c1.3

1404

8.4  
8.4  
c0.0

8.41  
15.55  
c0.17

9.21  
9.09  
c0.12

14.73

9.2  
8.0  
c1.2

+57

9.9  
7.6  
c2.3

9.03  
14.94  
c0.05

9.84  
9.72  
c0.12

14.13

9.8  
8.7  
c1.1

+10 -Curb FCX+5

9.6  
7.7  
c1.9

9.4  
14.33  
c0.23

Page 36

13.53

10.4  
9.5  
c0.9

010 - F.L. Events

out

14.20

13.40 out

B.M.

7.32

16.65

Set Top  
Finished  
Oliver  
+ Events

23.97

	H.P.L.	H.C.B.			Sec.	S.P.L.	Other
Curb Grader		3.08	20.89				BM 21.02 BP 2.97 2.399 7.20
BM		3.08	20.89	N.W.B.P. O.I.V.C. + Faruel 21.02 Rec			S.F.F.H.A. O.I.V.C. F.F.P.H.S. BM 16.79 6.07 16.88 19.91 5.97
5+0 - H.L. Faruel	3.27 3.15 Co. 12	20.70	3.27		4.17	19.80	4.12 Co. 11 on ch 5.96 BM J. 13 H.W.B.P. O.I.V.C. D.V.M. 2.78
+80 - 8 ft	3.5 1.5 Co. 19	20.44	3.53 3.59 Co. 06		19.87 5.05 3.3 5.38	19.54	4.4 3.6 Co. 8 N.W.B.P. BM 20.89 4.03 24.921
4+33	4.3 3.2 Co. 8	19.82	4.15 4.05 Co. 10		5.04 4.64 Co. 36	18.93	5.0 4.7 Co. 3
+86	4.8 3.3 Co. 15	19.21	4.76 4.88 Co. 10		5.64 5.27 Co. 17	18.33	5.6 4.6 Co. 1
3+39	5.4 3.5 Co. 19	18.60	5.37 5.33 Co. 04		6.24 6.06 Co. 18	17.73	6.2 5.2 Co. 10
2+92	6.0 4.2 Co. 17	17.99	5.98 5.66 Co. 12		6.84 6.62 Co. 24	17.13	6.8 5.9 Co. 11
	23.97						



Paving Grader Alley Block 323  
 Road + Dancers Add. Bot w/ceas Franklin + Clay  
 From 29<sup>th</sup> to 30<sup>th</sup> St.

Nov. 14. 51  
 H. B. Sisson  
 Rorer  
 Fritz  
 Bishop

Sta. 0. 31 810  
 Plan 8496L  
 North

Indexed

South

37

	North	South							
+55	82.37 576. 527. 25' Stub	82.57	555. 528. c 1.00. 25' Stub	73.0	83.47	8.71. 7.30. c 1.11. 6" Mail Fence	83.67.	8.51. 7.21. c 1.10. 6" Mail Fence	
1+24	82.37 586. 562. 603' Mail	82.47	566. 563. c 1.03. 7' Stub	+15	Server #2 on South	78.56	13.62. 7.55. 7.67.		
+93	82.18 595. 429. c 1.15. 25' Stub	82.38	575. 427. c 1.23. 25' Stub	+30		83.02	9.16. 7.88. 7.28. c 1.12. 603' Mail Fence	83.22	8.96. 8.28. c 0.68. 603' Mail Fence
+80 = Server #1 on North	78.56 957. 925. c 1.58. 15'			3+10 = P.V.C.	82.83	9.35. 8.10. 8.25. c 1.15. 637' Mail Fence	83.03	9.15. 8.05. c 0.07. 25' Stub	
+62	82.09 604. 574. c 1.19. 605' 10" 25' Mail Fence	82.29	589. 428. c 1.26. 25' Stub						
TP 5.01	88.13	4.91	83.12	+79	82.74	9.44. 11.06. F 1.54. 25' Stub	82.94	9.24. 9.21. c 0.27. 25' Stub	
+31	81.99 604. 481. c 1.23. 25'	82.19	581. 227. 317. c 1.13. 10' Mail	7.51	003	82.65	9.53. 11.07. F 1.54. 25' Stub	82.85	9.33. 8.23. c 0.57. 25' Stub
0+0 = F.L. 29 <sup>th</sup> St	81.90	6.13'	Par. 82.10	TP.	897	92.18.	4.92	82.21	
0-10 = F.C. 29 <sup>th</sup> St	81.34 6.69.	Gut	571' F.C. 6.23 70352	2+17	82.55	92.18. 55.8. 59.2. F 0.28. 25' Stub		82.75	5.38. 4.77. c 0.41. 7' Check
BM	9.98 88.03	SEBP Clay + 29 <sup>th</sup>	78.05	1+86	82.46	5.67. 5.27. c 0.20. 25' Stub		82.66	5.17. 5.02. c 0.45. 25' Stub
						88.13			



+90	91.41	441. 297 144. 0.17 Nail Fence	91.61	451. 137 224. 2.5 Sub
+80	91.22	460. 295. 165. 0.22 Nail Fence	91.42	440. 220. 220. 2.5 Sub
+70	90.85	497. 214. 280. 0.52 Nail Fence	91.05	477. 236. 241. 2.5 Sub
TP	5.43	95.82	1.79	90.39
+50 - PVC	89.57	261. 177. 84. 2.5 Sub	89.77	241. 240. 201. 2.5 Sub
+30 - FYG	87.92	426. 325. 101. 2.5 Sub	88.12	406. 302. 124. 2.5 Sub
+10	86.41	577. 384. 193. 2.5 Sub	86.61	557. 425. 132. 2.5 Sub
+90	85.16	702. 742. 40. 2.5 Sub	85.36	682. 644. 38. 4' x 4" Apron 2.5 Sub
+70	84.19	799. 801. F002. 2.5 Sub 92/18	84.39	779. 779. 00. 2.5 Sub

				South
+20 - H L 30' x 4' 78.36	6.26 6.26 on Pav	78.36	5.86 5.86	
TP	0.88	84.62	12.08	83.74
+10 - FYG	81.75	1407. 1189. 218. 2.5 Sub	81.95	1087. 1027. 360. 2.5 Sub
+80	85.05	1027. 753. 274. 2.5 Sub	85.25	1057. 809. 248. 2.5 Sub
+60	87.72	810. 652. 158. 2.5 Sub	87.92	790. 578. 212. 2.5 Sub
+40	89.67	615. 466. 153. 2.5 Sub	89.87	595. 324. 271. 2.5 Sub
+20	90.90	492. 325. 187. 0.40 Nail Fence	91.10	472. 269. 202. 2.5 Sub
+10	91.26	456. 307. 149. 0.33 Nail Fence	91.46	436. 292. 144. 2.5 Sub
+50	91.43	429. 282. 147. 0.85 Nail Garage 9.5.82	91.63	419. 291. 128. 1.5 Sub

33rd St. Sewer Laterals

3. Ely of Ocean View

Indexed

Nov. 19.51

39

H.S. Woods

For or

Bishop

110.31088

BM 2.83 20.05

17.22 SEBP  
Ocean View  
+ 33rd St

H1 230.5 of S/Ocean View  
on East Side 33rd

52.20 14.75  
55.3  
09.22

TP 3.12 16.66 6.51 13.54

H2 115' S of St. Martin  
on East Side 33rd

4.30 12.36  
5.07  
07.27

TP 3.99 14.92 5.73 10.93

#3 245' South of St. Grocer  
on West Side 33rd St

3.50 11.42  
5.18  
06.26

Sexton Grads Littlefield St.  
135' 5" Ely Berry

N

+35

12.24  $\frac{9.91}{5.26}$   
07.65

1435

1408

12.13  $\frac{10.02}{5.17}$   
04.85

+81

12.02  $\frac{10.13}{5.07}$   
05.04

+54

11.92  $\frac{10.23}{4.97}$   
05.21

+27

11.81  $\frac{10.34}{4.72}$   
05.62

0+0 = First M.H. (174 10.84)

11.70  $\frac{10.45}{4.55}$   
06.20

BM

5.65

22.15

11.56  $\frac{11.21}{4.35}$   
1845-29

N.O. 20009 Indexed

Dec. 17. 51 40

H. Sisco

Garber

Rorer

Fritz

Sheet #4457B

Littlefield St.

Project Disc  
200000

21.00

Berry

0+0  
First M.H.

Sewer Grader Moran 15  
Littlefield

BM 9.88 56.62 46.74  
 9.88 65.38 0.52 56.10

0+0 - Exist Manhole 12.88 52.50

+25 13.88  
 15.53  
 8.33 52.60 13.78  
 7.76  
 8.32

+50 52.70 12.68  
 4.67  
 8.01

+75 52.80 12.58  
 3.21  
 7.87

+100 52.90 12.48  
 5.21  
 8.27

+125 53.00 12.38  
 7.21  
 8.17

Indexed

Friest

DIC 20 51  
 F. P. Garber  
 Robert  
 Fritz

41

No. 20009

Littlefield

0+0 - Exist Manhole

Moran

+25

+75

Seyer Grader Missouri + Hoyer

Adjusted  
Staker Offset  
5' North + 5' East  
of S Street

Dec. 31. 51 - 92  
H. Sisson  
Garber  
Rorer  
Fritz

725			1366 750 117.42	08.16
140			15.41 9.41 115.67	06.00
+75			17.16 11.24 112.92	05.92
+50			18.91 12.85 112.17	06.66
+25			20.66 14.46 110.42	06.60
TP 0+0	1485	131.08	0.17	116.23
+80 = Man Hole				7.73 1.51 108.67
+50				7.96 1.38 108.44
+25				8.13 1.50 108.27
0+0 = Dead End		8.31		108.09
BM 1265	116.40	0.64	108.75	SET OFF H/2
BM 1302	104.39		91.37	Diamond

+95 = End  
122.32 8.76  
08.58  
120.92 10.16  
07.36  
119.17 11.91  
06.74

+95

Hoyer St

Missouri

0+0 ↑  
38  
70

0+0 ↑  
10

40' x 40'

Indexed

Jan. 2, 1952  
H. Sisson  
Garber  
Raror  
Fritz

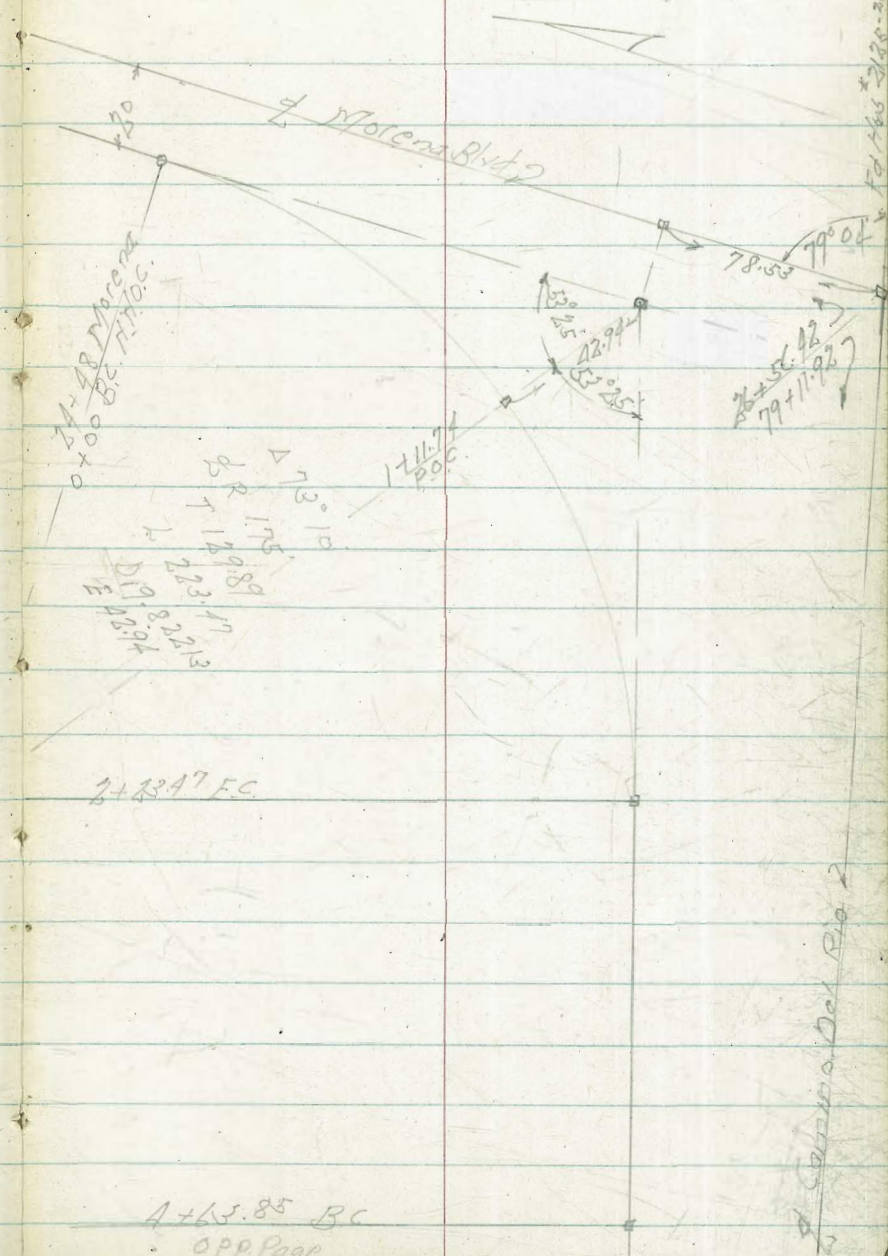
Morena Blvd. North West Outer Connection 43  
At Camino Del Rio

Sta. 22064

A+63.85 BC

Δ 5° 57' 15"  
Z R 2000  
T 10514  
L 40609  
D 185945

Camino Del Rio



6+69.94 F.C. H.M.O.C.  
73+34.12 Camino Del Rio

2+23.97 F.C.

72+77.57 F.C.

R 2000.2  
D 185944

A+63.85 BC  
Opp Page

Camino Del Rio

North West Outer Connection  
Moreno Blvd. South Approach Lt.

44

Rt.

		Slope	Slope	Shdr. Elev.	Shdr. Width	Edge Pav.	g	EP	Shdr. Width	Shdr. Elev.	
+11.74 Mid Point	18° 17.50'			out						out	
170	16° 22.23'	1/2" 1	0564	-55 7.1 F12.6 29.9	28.82	11'			17'	27.24	-3.9 2.7 F12.6 35.9
+75	12° 16.67'	1/2" 1	0344			out			16.5	27.91	-1.6 9.7 F12.3 38.0
+50	8° 11.11'	1/2" 1				out			16'	28.20	-4.9 5.6 F9.9 30.9
+25	1° 05.59'	1/2" 1	.01			out			15.5	28.40	-5.1 4.9 F12.0 30.5
0+00:BC						out			15'		
BM	6.23		22.80	20.07	S.M.E.P. Taylor HSDR, Inc. B.					23.307	

Lx

Rx

45

	Slope	Super	Shdr Elev	Shdr Width	Edge Pav.	L	F.P.	Shdr Width	Shdr Elev.	
3+0	1 1/2:1	0083	+3.2 12.2 F9.2 24.8	20.69	11'			17'	20.46	+3.5 9.3 F5.8 25.7
+53.40		0267	+0.8 12.0 F12.2 29.3	22.09				17'	22.35	+1.6 5.2 F4.1 32.2
+2247 EC.	36° 35'	0546	-0.8 13.3 F14.1 32.2	24.72				18'	23.45	+0.5 15.5 F4.0 34.0
2+0	33° 49.49	0678	-1.9 14.1 F16.0 35.0	25.84				19'	23.84	+0.1 27 F3.6 34.1
+75	38° 38.90	0785	-3.1 15.2 F18.3 38.5	26.99				18.5	24.68	-0.8 31 F3.9 34.1
TP	0.07	2391	2.46	20.87					23.91	
+50	24° 33.24	082	-1.5 16.1 F19.1 39.7	27.91				18'	25.53	-2.2 26 F10.8 34.2
1+25	26° 27.77	1311	-5.4 5.5 F10.7 39.1	28.53	11'			17.5	26.39	-3.1 31 F12.7 36.6
			33.307						23.307	

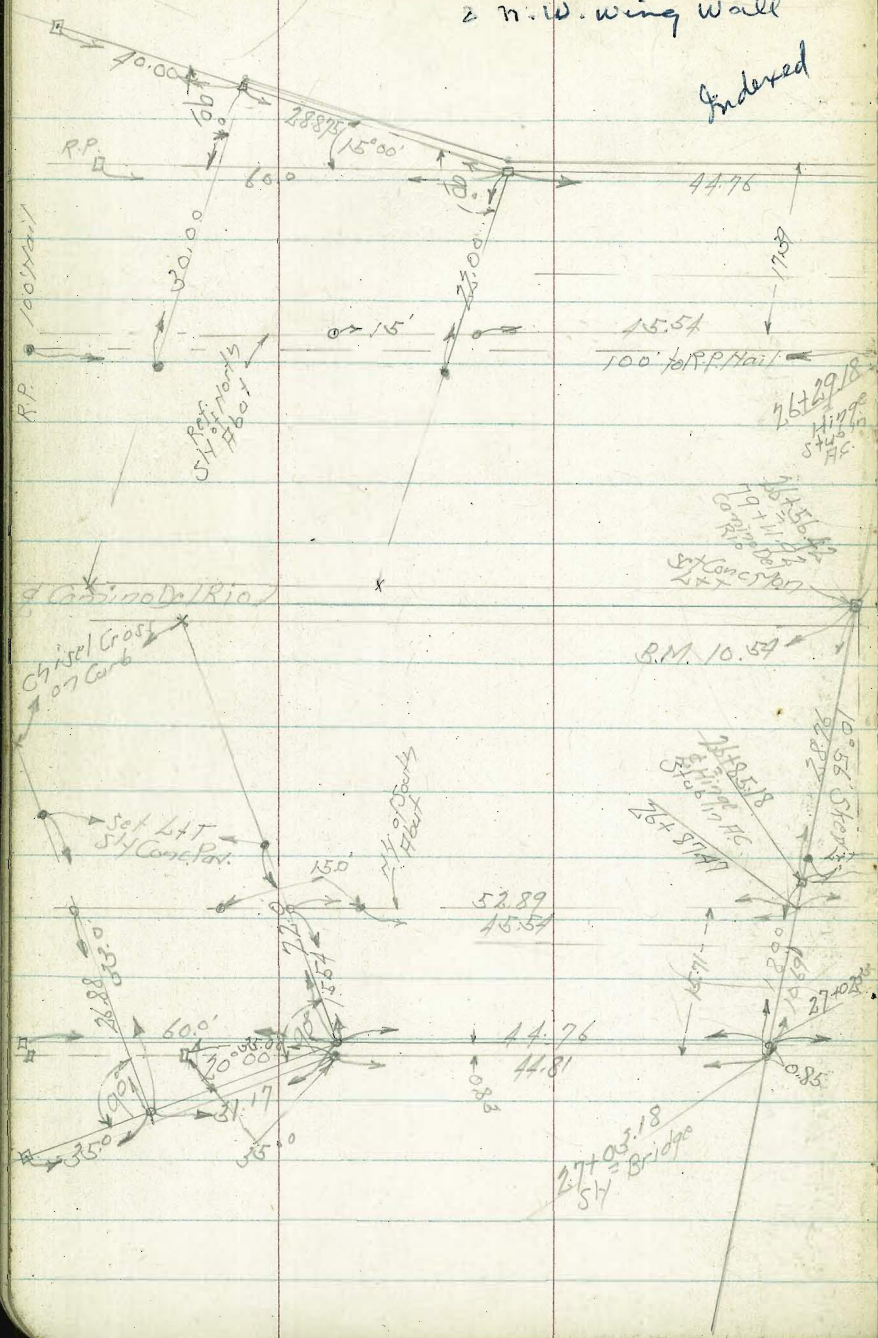


	Slope	Surf	Stdr. Elev.	Stdr. Width	Edge Post.	Edge Post.	Stdr. Width	Stdr. Elev.	
6+0	1° 57' 01"	01	out				14	21.12	26 27 F 4.1 202
7+50	1° 14' 01"		4.6 4.6 9.0 07 Nov 1979	19.14			14	18.70	5.0 5.0 0.0 17.5
5+0	0° 31' 07"		6.2 6.6 00.2 11.2	17.54			16	17.27	6.5 6.5 0.0 16.8
7+385 BC			6.7 out	16.97			17	16.69	7.0 out
7+50			6.8 7.4 F 0.6 11.9	16.90			17	16.62	7.1 12.7 F 5.6 25.1
4+0			6.4 10.0 F 3.6 16.4	17.30			17	17.02	6.7 15.9 F 2.2 30.8
TP	10.98	23.737	11.6	12.75			23.737		
8+50	1° 17' 01"	23.917	5.3 11.2 F 5.9 19.9	18.62			17	18.02	5.6 13.4 F 6.8 28.2
							23.917		



Moreno Blvd. + Camino Del Rio Overcrossing  
 2 n.w. wing wall

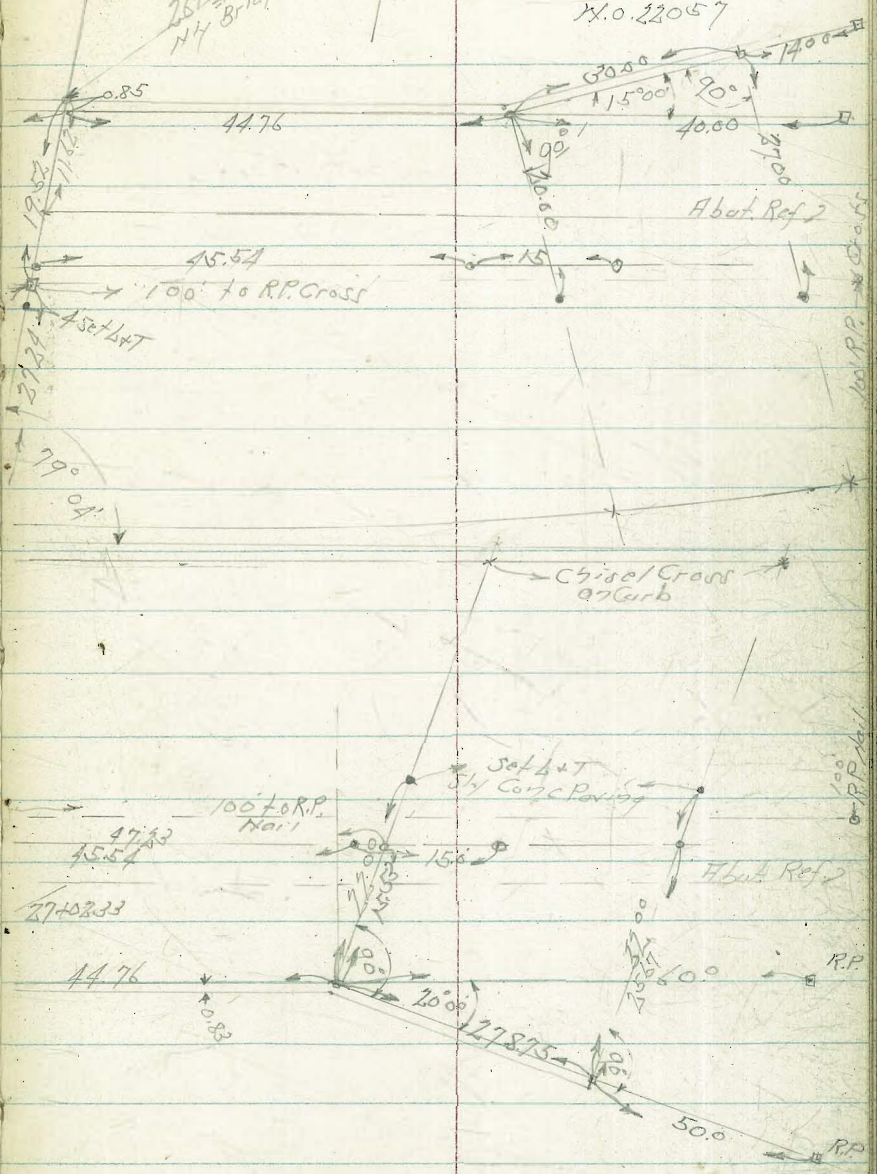
Indexed



2 Moreno Blvd.

26109.66  
 SH Bridge

Jan. 10-52 48  
 H.S. Garber  
 P. Perce  
 No. 22057



April 8-52 47

F. Sisco  
Fritz

BM 4.105 24.175 20.07 SW B.P.  
17 Walk  
Morena  
+ Taylor  
Bridge

BM 11.29 21.83 10.57 Conc. Mos  
Lvt  
3.825 25.175 0.49 21.34

3.635 15.00 12.81 11.365

BM 1.85 23.325 0.77 HR  
Return  
Bridge

BM 4.46 10.57 Conc. Mos  
Lvt  
+ Morena  
+ Camino Del Rio

9.99 33.315 23.325

BM 3.82 23.89 20.07 SW B.P.  
17 Walk  
Morena  
+ Taylor  
Bridge

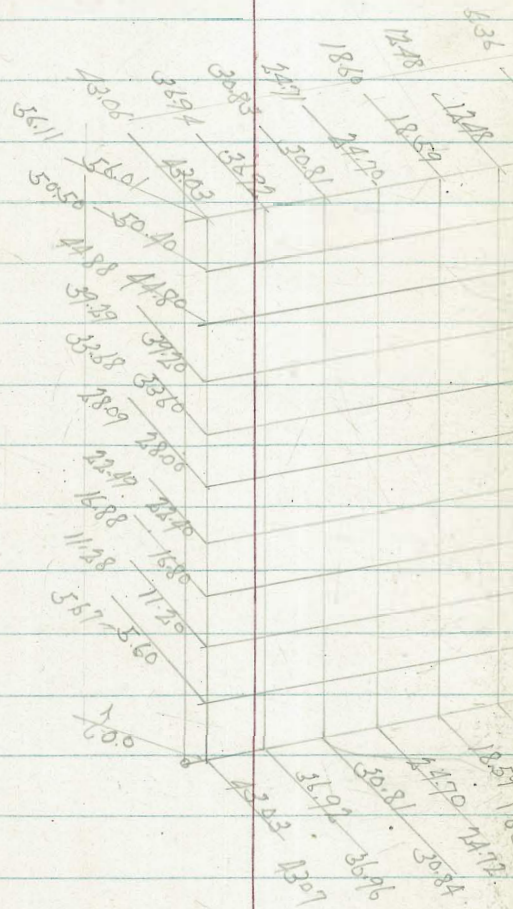
BM 4.845 28.47 SW B.P.  
Top  
S. Fl. B.

2.83 16.15 10.57 12.32

BM 5.61 10.57 Conc. Mos  
Lvt  
+ Morena  
+ Camino Del Rio



Check of Casting Slab.



North Abut		BM 2847 So. Abut						North 1952 By Station						Deck Check May 14 53									
Deck girders →		2880	2884	2888	2890	2897	2902	2907	2909	2911	2909	2911	2894	2889	2884	2877	2874	2880	2880	2880	2880	2880	2880
2886		2880	2884	2889	2893	2901	2904	2912	2914	2912	2906	2899	2892	2887	2881	2877	2881	2881	2881	2881	2881	2881	
26+29.18	Top	2889	2891	2895	2900	2904	2908	2912	2919	2916	2910	2904	2897	2892	2887	2881	2887	2887	2887	2887	2887	2887	
	Hinge girder	.90	.87	.77	38.98	.03	.09	.17	.21	.18	.11	.06	.97	.94	.91	.83	.91	.83	.83	.83	.83	.83	
H 3.44	"D" deck	28	28	28			29	29	29	29	29			28	28	28	28	28	28	28	28	28	
	Bottom	25.45	25.47	25.51	25.55	25.60	25.64	25.72	25.74	25.72	25.66	25.60	25.53	25.48	25.42	25.34	25.48	25.42	25.34	25.34	25.34	25.34	
x		.48	.49	.54	.59	.63	.67	.70	.76	.74	.68	.63	.56	.50	.45	.39	.56	.50	.45	.39	.36	.36	
		28.85	28.82	28.85	28.91	28.95	28.92	29.08	29.13	29.12	29.13	29.06	29.00	28.93	28.88	28.82	28.77	28.77	28.77	28.77	28.77	28.77	
26+21.33	TOP	28.87	28.89	28.93	28.97	29.02	29.06	29.10	29.14	29.16	29.14	29.08	29.02	28.95	28.90	28.85	28.78	28.78	28.78	28.78	28.78	28.78	
H 3.60 "C"																							
26+19.49	TOP	28.86	28.87	28.90	28.95	28.99	29.05	29.11	29.15	29.13	29.15	29.08	29.01	28.94	28.88	28.82	28.77	28.77	28.77	28.77	28.77	28.77	
	Bottom	25.27	25.29	25.33	25.37	25.42	25.46	25.50	25.54	25.56	25.54	25.48	25.42	25.35	25.30	25.25	25.18	25.15	25.15	25.15	25.15	25.15	
x		.31	.33	.37	.41	.45	.51	.53	.61	.58	.53	.46	.40	.33	.28	.21	.19	.19	.19	.19	.19	.19	
		28.86	28.87	28.90	28.95	28.99	29.05	29.11	29.15	29.13	29.15	29.08	29.01	28.94	28.88	28.82	28.77	28.77	28.77	28.77	28.77	28.77	
26+14.66	TOP	28.88	28.90	28.95	28.99	29.04	29.08	29.12	29.16	29.18	29.15	29.08	29.03	28.95	28.90	28.83	28.76	28.76	28.76	28.76	28.76	28.76	
Face Pier																							
H 4.00 "F"	Bottom	24.88	24.90	24.95	24.99	25.04	25.08	25.12	25.16	25.18	25.15	25.08	25.03	24.95	24.90	24.83	24.76	24.76	24.76	24.76	24.76	24.76	
	x	.91	.93	.98	.03	.07	.10	.14	.18	.20	.17	.12	.05	.98	.96	.85	.79	.75	.75	.75	.75	.75	
		28.86	28.92	28.97	29.04	29.08	29.12	29.19	29.22	29.16	29.20	29.11	29.03	28.96	28.91	28.83	28.74	28.74	28.74	28.74	28.74	28.74	
26+09.66	TOP	28.90	28.92	28.97	29.02	29.06	29.11	29.15	29.19	29.21	29.18	29.11	29.04	28.95	28.90	28.84	28.77	28.77	28.77	28.77	28.77	28.77	
H 4.00 Bridge																							
Bottom Trays		27.85	27.84	27.89	27.94	27.98	28.03	28.07	28.11	28.13	28.10	28.03	27.96	27.90	27.83	27.76	27.69	27.69	27.69	27.69	27.69	27.69	
		+4.81	+4.50	+3.55	+2.80	+2.15	+1.50	+0.25	+0.20	0.00	+0.20	+0.25	+1.50	+2.15	+2.80	+3.55	+4.50	+4.50	+4.50	+4.50	+4.50	+4.50	

South Abut. Grades

28.47 BM 23.325 23.325  
 28.5 26.5  
 2017.5 2997.5  
 87 28.325 114 53  
 29.875  
 RT.

	27.92	27.95	28.00	28.04	28.06	28.10	28.16	28.18	28.23	28.23	28.27	28.31	28.36	28.40	28.46	28.50	28.53
27+03.18 Top 57 Bridge	27.94	27.96	28.00	28.04	28.06	28.10	28.14	28.17	28.18	28.20	28.21	28.22	28.23	28.24	28.25	28.26	28.27
	28.02	28.07	28.09	28.13	28.15	28.20	28.24	28.26	28.30	28.30	28.34	28.36	28.42	28.46	28.50	28.53	28.57
26+98.18 A H Top Face Pier H=385	28.05	28.06	28.09	28.12	28.15	28.19	28.21	28.25	28.26	28.28	28.32	28.36	28.40	28.44	28.48	28.52	28.54
Bottom	24.20	24.21	24.24	24.27	24.30	24.34	24.36	24.40	24.41	24.43	24.47	24.51	24.55	24.59	24.63	24.67	24.69
	28.13	28.16	28.18	28.22	28.26	28.30	28.32	28.36	28.36	28.40	28.42	28.46	28.47	28.50	28.54	28.53	28.57
26+93.85 B B Top H=332	28.15	28.16	28.18	28.22	28.25	28.29	28.30	28.34	28.36	28.36	28.40	28.42	28.46	28.47	28.50	28.53	28.54
Bottom	24.88	24.84	24.86	24.90	24.93	24.97	24.98	25.02	25.04	25.04	25.08	25.11	25.15	25.19	25.21	25.24	25.24
	.83	.84	.85	.90	.96	.99	25.00	.05	.06	.08	.11	.15	.20	.24	.30	.35	.39
	28.22	28.26	28.26	28.30	28.34	28.40	28.42	28.46	28.42	28.47	28.49	28.51	28.52	28.55	28.59	28.65	28.66
26+89.51 C C Top H=306	28.24	28.25	28.28	28.31	28.35	28.38	28.42	28.44	28.46	28.47	28.50	28.52	28.55	28.57	28.59	28.62	28.63
Bottom	25.18	25.19	25.22	25.25	25.29	25.32	25.36	25.39	25.40	25.41	25.44	25.46	25.49	25.51	25.53	25.56	25.57
	.32	.04	.25	.30	.34	.36	.39	.43	.45	.64	.51	.55	.55	.60	.62	.69	.69
Final	28.20	28.23	28.24	28.28	28.42	28.47	28.49	28.52	28.52	28.54	28.55	28.57	28.57	28.57	28.63	28.66	28.68
26+85.18 D Top Hinge Girder deck H=302	28.34	28.36	28.39	28.42	28.45	28.48	28.52	28.55	28.55	28.57	28.59	28.61	28.63	28.65	28.67	28.69	28.70
	.34	.37	.41	.44	.48	.52	.55	.56	.55	.57	.58	.59	.61	.64	.67	.70	.70
	28.31	28.30	28.35	28.38	28.43	28.46	28.49	28.49	28.50	28.51	28.54	28.54	28.55	28.60	28.64		
Bottom	25.32	25.34	25.37	25.42	25.43	25.46	25.50	25.53	25.54	25.55	25.57	25.59	25.61	25.63	25.65	25.67	25.68
	.72	.71	.69	.67	.64	.62	.61	.59	.58	.57	.56	.55	.54	.53	.52	.51	.50
	28.37	28.37	28.41	28.43	28.46	28.50	28.54	28.57	28.58	28.59	28.62	28.65	28.67	28.68	28.70	28.73	28.74
	+14.8	+11.50	+8.05	+8.60	+12.15	+15.70	+0.95	+2.80	0+0.0	+0.80	+0.95	+1.90	+2.15	+2.60	+3.55	+11.50	+11.80

5.00

13.30

13.30





South West King Hall

Feb. 27. 52

Cut off

Top Wall  
29.74

Back

Front

Back

	H	F	Top Cap	Ft. 0.75 Subst.	Cut off	Bot. Cap		H	F	Top Cap	Ft. 0.75	Bot. Cap	Cut off
0+0 = Hinge	19.0		10.75				0+0 = Hinge						
+ 01.5	19.0	2.05 2.77	10.75 8.28	2.80	8.28 4.15	7.95 5.93	+ 02.29 Hinge	19.00	2.05				
+ 02.29 Hinge							+ 02.66	18.08	1.92 2.21 2.97	10.75 2.21 8.34	2.74	8.01 5.87	8.34 4.02
+ 05.82	16.64	1.89 2.37	10.75 8.11	2.64	8.11 3.99	8.11 5.77	+ 08.08	15.13	1.79 2.21	10.75 2.21 8.54	2.54	8.21 5.27	8.54 3.79
+ 10.32	13.64	1.69 2.77	10.75 8.64	2.44	8.64 3.79	8.31 5.57	+ 12.41	11.59	1.55 1.97	10.75 1.97 8.78	2.30	8.45 5.42	8.78 8.55
+ 16.75	9.36	1.40 1.83	10.75 8.93	2.15	8.93 3.50	8.60 5.28	+ 20.41	6.93	1.31 1.86	10.75 1.86 9.09	1.99	8.76 5.12	9.09 3.34
+ 25.32	3.64	1.10 1.52	10.75 9.23	1.85	9.23 2.20	8.90 4.93	+ 31.17 - End						
+ 31.17 = End						9.12 4.75							
							TOP WALL 29.82						
							Top Water Table						
BM cut off	1.89	12.437			10.54	2.1907							
Bottom Cal													
BM	3.34	13.88			10.54	2.1907							

## North East Wing Hall

Top Wall  
30.10

Front

	H	F	Top Cap	F <sup>+</sup> 0.75	Cut off	Bot CAP
0+0 = Angle 1.50	19.10		11.00		Bottom Cap	
+0.150 0.79	19.10	2.05	11.00	280	820	8.53
+0.229 Hinge 3.54		2.77	8.53		856	
+0.583 4.50	16.74	1.98	11.00	265	835	8.68
+10.33 6.42	13.74	1.70	11.00	245	855	8.88
+16.75 8.58	9.46	1.41	11.00	216	881	9.17
+25.33	3.74	1.10	11.00	185	915	9.48

16.765

## North East Wing Hall

50

Back

	H	F	Top Cap	F <sup>+</sup> 0.75	Bottom Cap	Cut off
0+0 = Hinge 1.38	19.10		11.00			
+0.229 Hinge 1.38	19.10		11.00			
+0.367 4.43	18.18	2.00	11.00	2.75	825	8.58
+0.809 5.33	15.23	1.80	11.00	2.55	845	8.78
+13.42 7.00	11.68	1.56	11.00	2.31	869	9.02
+20.42	7.01	1.24	11.00	1.99	901	9.34
For Bottom BM CAP	6.22	16.76				

3.74

Top Wing 30.23

32.97X

Top water table 14.58  
1.18note BM 110.54  
15.76X

Front

	H	F	Top Cap	F 10.75	Bot Cap	Cut off	Bottom Cap
0+0 - Hinge	19.19		10.75				
+01.25	19.19	2.05	10.75	280	795	8.28	
+02.29 - Hinge		2.47	8.28		7.61		
3.13							
+05.42	17.10	1.93	10.75	2.18	807	8.40	
6.42		2.55	8.40		7.99		
+11.84	12.82	1.64	10.75	2.37	836	8.69	
7.58		2.66	8.69		7.20		
+19.42	7.77	1.29	10.75	2.04	871	9.04	
5.49		1.77	9.04		6.85		
+24.91	4.11	1.10	10.75	1.85	890	9.23	
		1.52	9.23		6.66		

15.56 X

Back

	H	F	Top Cap	F 10.75	Bot Cap	Cut off
0+0 - Hinge						
+02.29 - Hinge	19.19		10.75			
0.96			4.81			
+03.25	18.55	2.02	10.75	277	798	8.61
5.23		2.77	8.31			
+08.58	15.00	1.78	10.75	253	822	8.55
7.00		2.23	8.55			
+15.58	10.37	1.46	10.75	221	874	8.87
		1.88	8.87			
For Bot Cap						
BM	502	15.56			10.54	

Top Wing 20.07

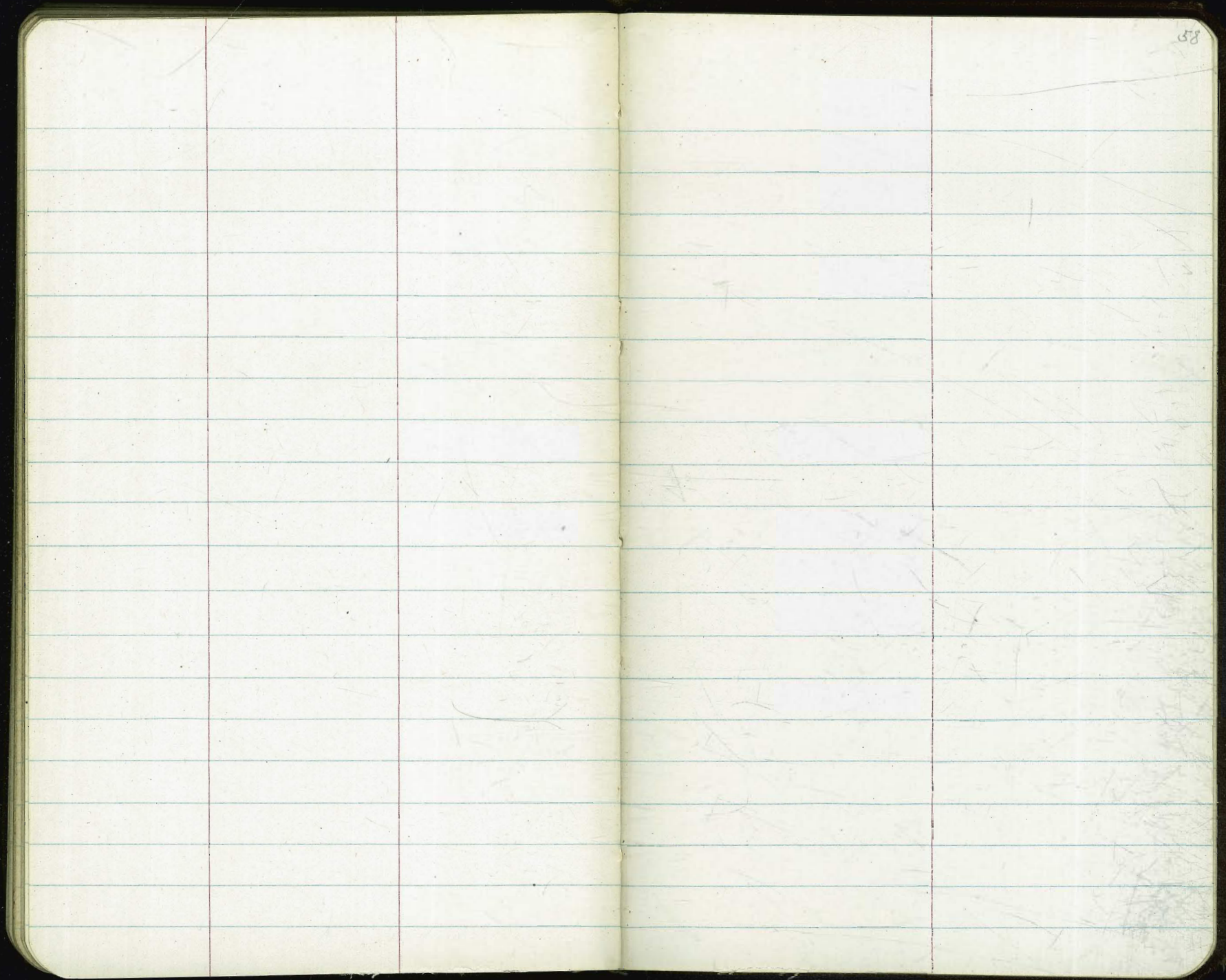
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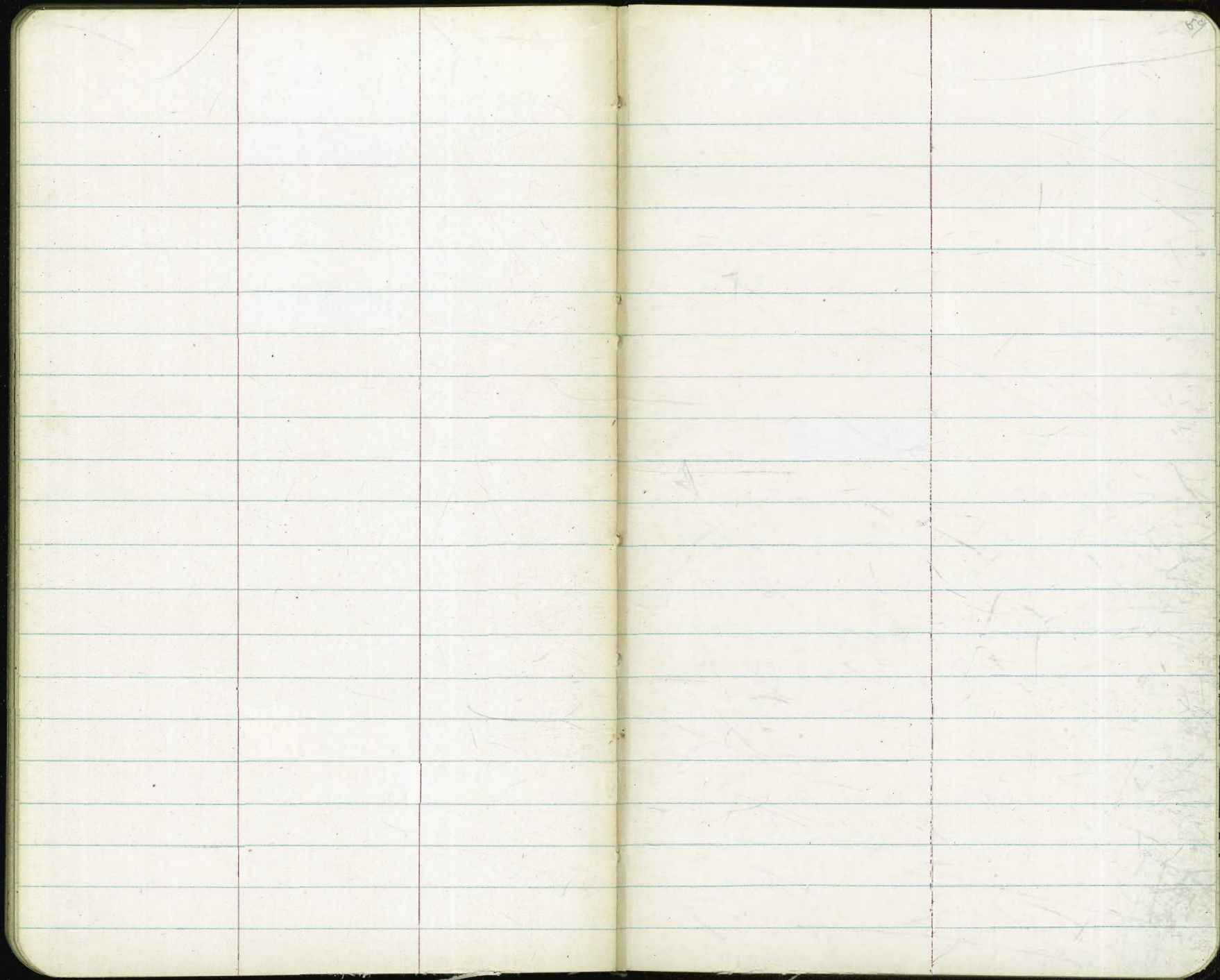
Top water table

14.33

1.83

BM 10.54  
3.67  
16.61BM 28.47  
5.50  
33.97 X





Grades Alley Block 22  
 Fairmount Add to City Hts  
 200 South of South Line Polk  
 Between 48th & East 16  
 East

Included

Sections 41831-30  
 Plan 4392B  
 Grade East 16 of Alley  
 only

Feb. 28-52  
 H. Sisson  
 Garber  
 Rorer  
 Fritz  
 No. 62236

1+0 5.83  
 7.19  
 F.O. 36  
 4.5 Sub  
 335.37 West 335.67  
 5.53  
 4.22  
 C.O. 60  
 9

+80 4.06  
 4.56  
 C.O. 40  
 4.5 Sub  
 336.24 East 336.54 West  
 4.66  
 3.06  
 C.O. 60  
 4.5 Sub

+60 4.68  
 4.71  
 F.O. 0.3  
 4  
 336.52 East 336.82 West  
 4.38  
 1.21  
 C.O. 210  
 4.5 Sub

+40 4.94  
 4.97  
 F.O. 0.3  
 0.5  
 0.7 Wall  
 336.26 East 336.56 West  
 4.64  
 0.31  
 C.O. 233  
 5.5 Sub

2+0 = F.V. 16 Project 337.04  
 14.16  
 14.45  
 F.O. 29  
 4.5 Sub  
 337.34  
 13.86  
 14.13  
 F.O. 26

+20 5.79  
 6.16  
 F.O. 37  
 1.5 Sub  
 335.91 East 335.71 West  
 5.49  
 0.43  
 C.O. 57  
 5.5 Sub

+60 330.48  
 10.71  
 10.62  
 C.O. 68  
 4.5 Sub  
 330.78  
 10.42  
 9.92  
 C.O. 49  
 4.5 Sub

0+0 = South Line Polk 333.45  
 7.75  
 7.80 on Pav.  
 334.86  
 1.31  
 6.43 on Pav.

1+20 = F.V. 16 333.93  
 7.27  
 8.48  
 F.L. 01  
 3.5 Sub  
 334.23  
 6.97  
 6.56  
 C.O. 41  
 4.5 Sub

BM #3 6.22 341.20 8-41 334.98  
 4.17 342.39 339.22  
 NE Alley  
 Rec. University

341.20  
 3.5 Sub

Paving Graded Alley Block 2  
 Sub. of Lots 7-17 Block 14 Terrace  
 From Polk to Orange  
 between Bancroft & 33rd St

No. 31883  
 Plan 8840L  
 Cross Sec. # 2050-37

Indexed

Feb. 28-58 81  
 H.S. No. 7  
 Garber  
 Porter  
 Fritz

	West	East
1+10	567. 538. CO.09 357.06	537. 472. 564. 155 Stub
+80 = EXC	6.55. 6.27. CO.03 26 Nail Fence	625. 531. CO.01 290 Nail Fence
+60	730. 672. CO.57 24 Nail Fence	690. 609. CO.70 2' X on Conc Hprop
+10	837. 817. CO.20 4 Stub	804. 537. CO.23 Hail Ho. 0.4917
+20	976. 822. CO.44 453 Nail Fence	910. 720. CO.20 Hail Ho. 0.2717
0+0 = XL Polk	348.46 11.47	348.87 11.18 on Pav
BM	0.19 359.93	359.74 11.2425 2050.40

	West	East
TP	8.71 366.93	1.71 358.22
+40	247. 214. CO.33 25 Stub	217. 105. CO.12 030 Nail Fence
+20	284. 261. CO.20 45 Stub	254. 233. CO.21 2' X on Conc Dri.
+10	325. 247. CO.68 380 Nail Ho.	295. 252. CO.42 322 Nail Fence
+80	372. 352. CO.10 410 Nail Fence	342. 326. CO.16 2' X on Conc Hprop
+60	422. 387. CO.20 415 Nail Fence	393. 341. CO.52 55 Stub
1+40 = P.V.C	479. 470. CO.11 5' X on Conc Hprop	449. 353. CO.86 188 Nail Fence
	359.93	



West  
 570 - P.V.C. 1.17  
 5.57  
 3.98  
 361.26  
 1.40 Nail  
 Fence

East  
 537  
 1.89  
 361.56  
 0.88  
 4.54  
 7.54

+10  
 6.26  
 5.71  
 0.08  
 360.67  
 4.40 Nail  
 Fence

5.96  
 3.02  
 0.94  
 0.25 Nail  
 Fence  
 360.97

4+20  
 6.84  
 5.71  
 0.17  
 360.09  
 4.35 Nail  
 Fence

6.54  
 1.36  
 0.07  
 2.54  
 360.39

+80  
 7.42  
 2.32  
 0.08  
 359.51  
 4.54  
 7.54

7.12  
 6.84  
 0.28  
 7.54  
 359.81

+40  
 8.00  
 6.88  
 0.14  
 358.93  
 2.05 Nail  
 Fence

7.70  
 7.14  
 0.56  
 3' x on  
 Conc  
 359.23

3+0  
 8.58  
 8.02  
 0.56  
 358.35  
 2.54

8.28  
 7.02  
 1.20  
 0.55 Nail  
 358.65

2+60 - Exc  
 9.16  
 8.61  
 0.55  
 357.77  
 2.54

8.86  
 8.28  
 0.58  
 0.80 Nail  
 Fence  
 358.07

West East

6.53  
 17.95 = 5.6  
 Orange  
 360.40 360.59  
 6.34  
 6.31 on Pav.

+60  
 6.26  
 4.24  
 2.02  
 7.48 x  
 on House  
 360.67 360.89  
 6.04  
 4.19  
 0.85  
 1.0 Stub

+40  
 5.73  
 7.02  
 0.91  
 1.31 x  
 on House  
 361.20 361.46  
 5.27  
 3.97  
 0.50  
 3' x on wall

5+20  
 5.53  
 4.47  
 1.06  
 1.40 x on  
 Conc Cb.  
 361.40 361.68  
 5.95  
 4.34  
 0.71  
 3' Stub

366.93

366.93

Grader Dwight St. west of Wilson

Indexed

Station Set on North & South  
prop. Line

March 28, 57  
H. Sisson  
Garber  
Rorer  
Fritz

South

North

2+0	316.60	12.15 10.84 c1.5	316.10	12.65 10.32 c2.7
+60	319.00	9.75 8.67 c1.1	318.50	10.25 8.45 c1.8
1+20	320.40	8.35 7.27 c1.09	320.30	8.45 7.13 c1.3
+80 - P.Y.C.	321.40	7.35 6.18 c1.25	321.40	7.35 6.20 c1.25
+90	321.95	6.80 5.98 c1.8 Fence	322.20	6.55 5.67 c1.0
0+0 1/2 W. Wilson	322.50	6.25 6.20 on cb	323.00	5.75 5.95 on cb
BNJ 120	328.75		327.55	not BP Dx 1957 5875 ft

Painting Grades 60145t.

Estelle St. to El Cajon Blvd.

1+40 - P.V.C. 2 1/2 Grad 7.54  
33  
452.39 787 ✓

+20 450.27 9.63  
33  
799 ✓

1+0 448.16 11.23  
121.5

TP 12.99 459.93 0.42 446.94

+90 447.14 0.23  
33  
0.55

+60 444.24 5.97  
31.0

+30 441.44 5.97  
33  
6.25 ✓

0+0 = N.B.C. Bradford 438.59 8.77  
33  
9.10 ✓

B.M. 12.89 447.31 434.47 S.F.D.N.C. Bradford  
760145t

Indersced

XXO 31768

88132

+40 = P.V.C.

+20

+40

+80

+60

+40

TP 9.44 468.79

+20

+40

+80

+60

March 31-52 64

H. J. Jiro

Garber

Raper

Fritz

2 1/2 Grad

464.05 4.74  
33  
5.07

463.72 5.97  
33  
5.70

463.20 5.59  
33  
5.92 ✓

462.49 6.30  
33  
6.63

461.59 7.20  
33  
7.53

460.50 8.29  
33  
8.62

TP 0.58 457.35

459.21 0.69  
33  
1.02

457.81 2.12  
33  
2.45

456.14 0.78  
33  
4.72 ✓

454.38 5.55  
33  
5.88 ✓

459.93

60+5 St.

65

Grade

Grade

+90

425.18  $\begin{matrix} 12.33 \\ 33 \\ 12.55 \end{matrix}$

+97.59 = S.L. El Capon

465.71  $\begin{matrix} 3.08 \\ 3.10 \\ 3.09 \end{matrix}$

437.40T  
12.58  
424.84  
2.13  
426.97T

+70

424.03  $\begin{matrix} 2.35 \\ 322 \end{matrix}$

+80

465.77  $\begin{matrix} 3.08 \\ 3.25 \end{matrix}$

+50 = PVC

423.00  $\begin{matrix} 3.97 \\ 330 \\ 13 \end{matrix}$

+52

465.43  $\begin{matrix} 3.36 \\ 3.29 \\ 3.69 \end{matrix}$

+30

422.03  $\begin{matrix} 4.94 \\ 522 \end{matrix}$

+24

465.08  $\begin{matrix} 3.71 \\ 3.33 \\ 4.04 \end{matrix}$

+10 = C6FC

421.06  $\begin{matrix} 5.91 \\ 533 \\ 6.24 \end{matrix}$

+96

464.74  $\begin{matrix} 4.05 \\ 3.33 \\ 4.38 \end{matrix}$

0+0 = N. Est. of the St.

420.61  $\begin{matrix} 6.24 \\ 6.59 \end{matrix}$

+85

464.50  $\begin{matrix} 4.19 \\ 4.32 \\ 4.13 \\ 4.14 \\ 4.15 \\ 4.16 \\ 4.17 \\ 4.18 \\ 4.19 \end{matrix}$

0-25 = N. y Pav

419.59  $\begin{matrix} 7.43 \\ 7.42 \\ 7.41 \end{matrix}$

3458

46879

Paving Gravel 60th St.  
 Estelle St to El Cajon Blvd.

+56.6 436.11  $\begin{matrix} 0.78 \\ 33 \\ \hline 1.11 \end{matrix}$

+25.6 - M.H. 435.68  $\begin{matrix} 1.72 \\ 1.52 \\ \hline 0.15 \text{ on } \text{Pm} \end{matrix}$

2+13.3 434.64  $\begin{matrix} 3.76 \\ 2.29 \\ \hline 3.07 \end{matrix}$

5-233

+95 - Cb BC Bradford 432.67  $\begin{matrix} 4.73 \\ 3.32 \\ \hline 5.0 \end{matrix}$

3M 434.17 <sup>St Disc</sup> Bradford  
 292 + 60th St

+70 437.40 430.98  $\begin{matrix} 6.43 \\ 33 \\ \hline 6.75 \end{matrix}$

+50 429.35  $\begin{matrix} 8.65 \\ 33 \\ \hline 8.38 \end{matrix}$

+30 427.82  $\begin{matrix} 9.58 \\ 33 \\ \hline 9.91 \end{matrix}$

1+10 426.45  $\begin{matrix} 10.95 \\ 33 \\ \hline 11.28 \end{matrix}$

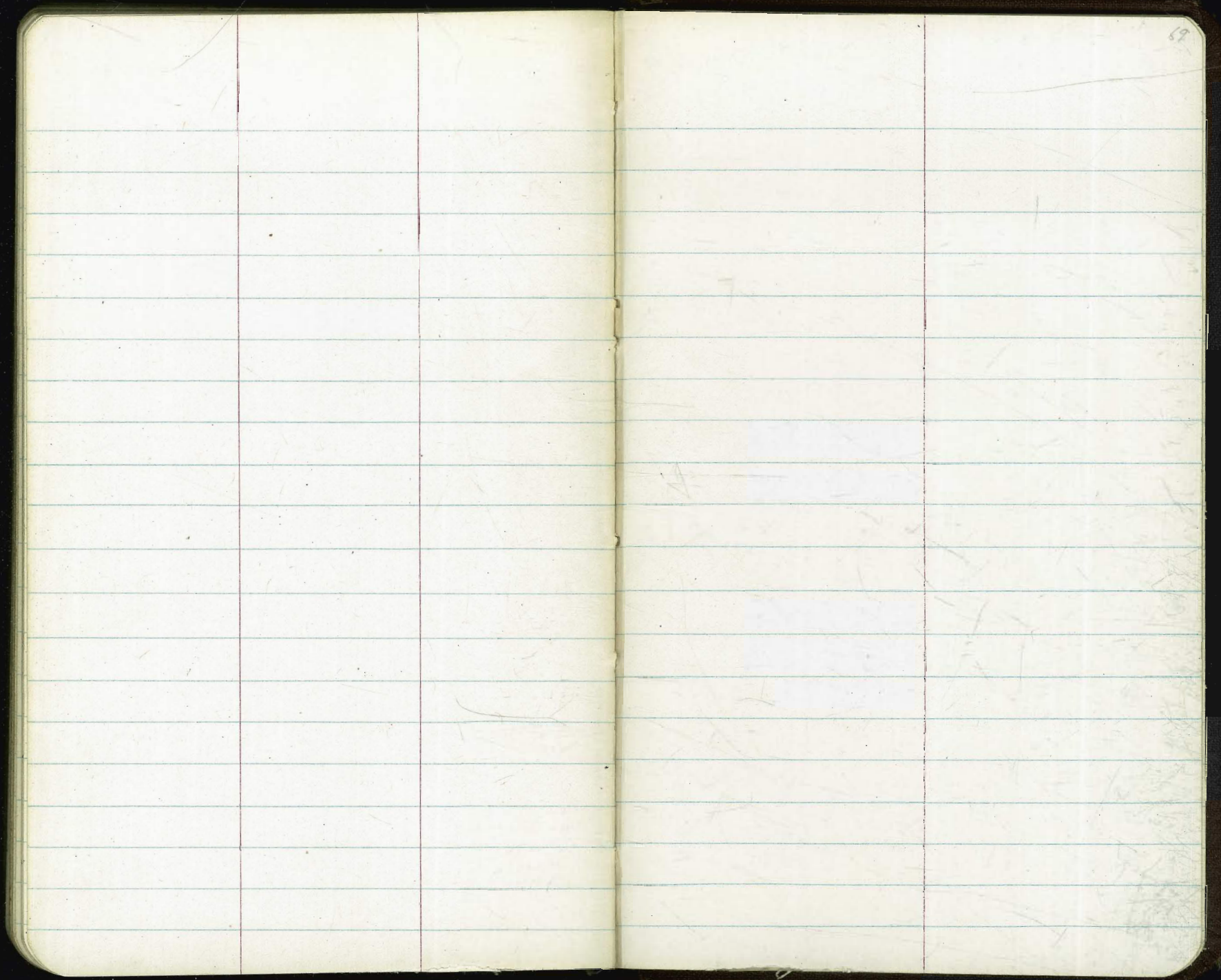
0+0 Page 64  
 2+60: Cb FC North  
 of Bradford

438.59



Elevation For Pile Cut off  
Garbage Transfer Hopper

BM	2.99	7.76	4.79	
		5.36	2.46	0.7 Nail





Grades Randle St.  
Balboovista

Indexed

April 26-52 Profile # 3689  
H.S. Iron Ties # 2165-1  
Garber  
Rorer  
Fritz

70

	West		East		West		East
	290.82				+82.85 - RC of		278.50
TP	278.26	295.00	295.50	+50.94 - RC of	279.10	279.60	279.60
	276.58						
	273.29						
871	269.08	298.45	298.95		281.20	281.70	281.70
+40							
TP	0.58	298.82	298.82		282.20	282.80	282.80
+10 P.V.C.		302.40	302.90		290.82	287.47	287.47
					285.40	285.90	285.90
+70		305.45	305.95				
TP	1.17	310.93	309.76		287.50	288.00	288.00
+40		308.50	309.00		288.19		
					289.60	290.10	290.10
040		312.20	312.70				
	0.88	322.75	322.37		292.05	292.55	292.55
871	0.65	335.33	334.68		298.82		



(Grades) Hwy East of 5545  
 Between Lindo Pasco + Montezuma

Index 1

	South	North	
4+0	456.10 <sup>3.35</sup> 2.27 C0.57	455.80 <sup>3.15</sup> 3.07 455.75 C0.53	
+53.91	456.38 <sup>3.14</sup> 2.30 456.31 C0.84 C0.97	455.95 <sup>3.44</sup> 3.28 456.01 C0.16 C0.22	
3+0	456.50 <sup>2.86</sup> 2.90 456.59 C0.04 C0.03	456.18 <sup>3.16</sup> 3.17 456.29 C0.00 C0.11	
+80	456.58 <sup>2.75</sup> 2.57 456.70 C0.18 C0.01	456.27 <sup>3.05</sup> 2.90 456.40 C0.35 C0.48	
+60	456.65 <sup>2.65</sup> 2.77 456.80 C0.15 C0.03	456.35 <sup>2.95</sup> 2.70 456.50 C0.25 C1.37	
+50 F.V.C.	456.81 <sup>2.65</sup> 2.91 456.80 C0.28 F0.37	456.52 <sup>2.95</sup> 2.94 456.50 3.38 C0.70 C0.69	
2+0	456.90 <sup>2.64</sup> 2.35 456.81 C0.29 C0.20	456.60 <sup>2.30</sup> 2.50 456.51 C0.09 C0.80	
+50 - P.V.C.	456.70 <sup>3.16</sup> 2.72 456.34 C0.06 F0.28	456.15 <sup>2.75</sup> 2.85 456.18 C0.31 C0.16	
1+0	455.50 <sup>4.18</sup> 3.28 455.35 C0.17	455.30 <sup>4.15</sup> 3.28 455.20 C0.97 C0.87	
0+80.64	455.05 <sup>4.15</sup> 3.93 455.00 C0.52 C0.97	454.88 <sup>4.57</sup> 2.97 C1.60	
BM 5.14	458.90	453.76	
BM 5.69	459.45	453.76	

Stakar Jet  
 By Daniels

May 6-52  
 # 51500  
 Garber  
 Peter  
 Fritz

Profile # 411 H 78

May 12-52  
 Grader Chm  
 North Superintend

	South		
+50.510	454.41 <sup>4.72</sup> 453.86 <sup>3.45</sup> C1.27 C0.72	454.00 <sup>4.94</sup> 453.64 <sup>4.40</sup> C0.54 C0.18	
8+0	454.59 <sup>4.47</sup> 430 454.11 C0.27 F0.31	454.19 <sup>4.75</sup> 453.83 <sup>5.55</sup> F0.00 F1.16	
+50	454.77 <sup>4.20</sup> 4.03 454.38 C0.19 F0.22	454.37 <sup>4.50</sup> 454.68 <sup>4.86</sup> F0.36 F0.65	
7+0	454.95 <sup>3.94</sup> 3.67 454.64 C0.27 F0.04	454.55 <sup>4.24</sup> 454.34 <sup>4.54</sup> F0.40 F0.51	
+50	455.13 <sup>3.18</sup> 3.71 454.90 C0.02 C0.20	454.73 <sup>3.98</sup> 454.10 <sup>2.33</sup> C1.45 C1.52 TOP	
6+0	455.31 <sup>3.43</sup> 3.22 455.10 C0.97 C0.55	454.91 <sup>3.73</sup> 454.85 <sup>2.73</sup> C1.00 C0.94	
+75.040	455.40		
+50	455.50 <sup>3.18</sup> 3.20 455.40 C1.29 C1.50	455.11 <sup>4.35</sup> 3.26 455.10 C0.79 C0.47	
5+0	455.70 <sup>2.93</sup> 2.21 455.65 C0.92 C0.67	455.33 <sup>4.10</sup> 402 455.25 F0.15 C0.18	
4+50	455.90 <sup>2.71</sup> 2.94 455.84 C0.50 C0.74	455.54 <sup>3.94</sup> 3.89 C0.51	
TP	1.91	458.58	2.78
		459.45	

South

North

BM

TP

Alley Refers

Elev  
453.61

Elev  
453.46

+25

453.05  
5.53  
4.09  
-1.47

452.91  
5.64  
5.40  
-0.24

10+0

453.40  
453.15  
5.43  
4.10  
-1.33  
-1.08

453.20  
452.15  
5.13  
5.26  
-1.19  
-1.08

+10 -Brk

454.00

453.50

+50

454.04  
453.39  
5.19  
3.98  
-1.21  
-0.86

453.64  
453.37  
5.26  
1.80  
-0.66  
-0.34

9+0

454.23  
453.62  
4.96  
3.45  
-1.51  
-0.90

453.82  
453.48  
5.10  
4.50  
-0.60  
-0.86

458.58

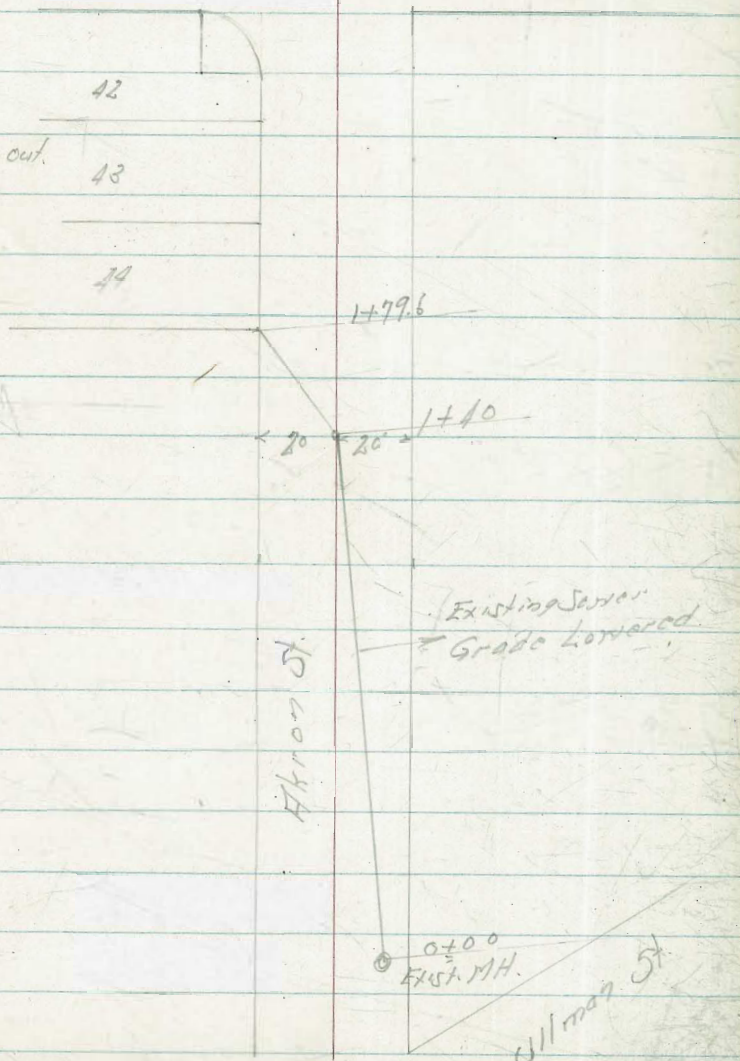
Server Grades Akron St  
Between Cullman + Trumbull St.

July 16. 52  
H. Sisson  
Garber  
Parks  
NO 20009

Indexed

74

Trumbull St.



+79.6 = Later d	135.54	14.28 6.28 17.00	T.P. Clean out.
+59.8	134.30	15.77 6.23 15.09	3' RT.
+40 = D.F	133.08	16.94 0.19 16.75	
1+05	132.73	17.29 1.24 16.05	
+70	132.38	17.64 3.20 14.44	
+35	132.03	17.99 3.23 14.66	
0±0.0	131.68	18.34 1.33 17.01	5' RT.

TP	4.18	150.02	10:30	145.84	SERP
BM	0.03	156.14		156.11	Trumbull Akron

Lt. west

at west

75

26793 <sup>85</sup>	28.15 5 <sup>89</sup>	28.15 5 <sup>89</sup>	28.19 5 <sup>85</sup>	28.21 5 <sup>83</sup>	28.24 5 <sup>80</sup>	28.28 5 <sup>76</sup>	28.33 5 <sup>71</sup>	28.35 5 <sup>69</sup>	28.37 5 <sup>67</sup>	28.42 5 <sup>62</sup>	28.45 5 <sup>59</sup>	28.47 5 <sup>57</sup>	28.49 5 <sup>55</sup>	28.52 5 <sup>52</sup>	28.56 5 <sup>48</sup>	28.64 5 <sup>40</sup>	28.63 5 <sup>41</sup>
26789 <sup>51</sup>	28.25 5 <sup>29</sup>	28.27 5 <sup>27</sup>	28.27 5 <sup>27</sup>	28.29 5 <sup>25</sup>	28.32 5 <sup>22</sup>	28.37 5 <sup>17</sup>	28.41 5 <sup>13</sup>	28.43 5 <sup>11</sup>	28.49 5 <sup>55</sup>	28.49 5 <sup>55</sup>	28.52 5 <sup>52</sup>	28.52 5 <sup>52</sup>	28.53 5 <sup>51</sup>	28.57 5 <sup>47</sup>	28.60 5 <sup>44</sup>	28.65 5 <sup>39</sup>	28.65 5 <sup>39</sup>
26785 <sup>18</sup> Hinge other page																	
26729 <sup>18</sup> Hinge other page																	
26724 <sup>33</sup>	28.84 5 <sup>20</sup>	28.80 5 <sup>24</sup>	28.85 5 <sup>19</sup>	28.90 5 <sup>14</sup>	28.94 5 <sup>10</sup>	28.99 5 <sup>05</sup>	29.04 5 <sup>00</sup>	29.09 4 <sup>95</sup>	29.13 4 <sup>91</sup>	29.09 4 <sup>95</sup>	29.03 5 <sup>01</sup>	28.97 5 <sup>07</sup>	28.90 5 <sup>14</sup>	28.85 5 <sup>19</sup>	28.79 5 <sup>25</sup>	28.78 5 <sup>22</sup>	28.77 5 <sup>27</sup>
26719 <sup>49</sup>	28.87 5 <sup>17</sup>	28.87 5 <sup>17</sup>	28.88 5 <sup>14</sup>	28.93 5 <sup>11</sup>	28.98 5 <sup>06</sup>	29.02 5 <sup>02</sup>	29.06 4 <sup>96</sup>	29.13 4 <sup>91</sup>	29.12 4 <sup>92</sup>	29.10 4 <sup>94</sup>	29.04 5 <sup>00</sup>	28.97 5 <sup>02</sup>	28.91 5 <sup>03</sup>	28.85 5 <sup>12</sup>	28.80 5 <sup>24</sup>	28.78 5 <sup>26</sup>	28.76 5 <sup>28</sup>
26714 <sup>66</sup>	28.85 5 <sup>14</sup>	28.91 5 <sup>13</sup>	28.92 5 <sup>12</sup>	28.94 5 <sup>06</sup>	28.93 5 <sup>01</sup>	28.91 4 <sup>97</sup>	28.92 4 <sup>92</sup>	28.97 4 <sup>87</sup>	28.94 4 <sup>92</sup>	28.97 4 <sup>92</sup>	28.95 4 <sup>92</sup>	28.94 5 <sup>05</sup>	28.93 5 <sup>11</sup>	28.87 5 <sup>17</sup>	28.80 5 <sup>24</sup>	28.77 5 <sup>27</sup>	28.74 5 <sup>30</sup>
26709 <sup>66</sup> Nly Bridge	28.89 5 <sup>15</sup>	28.94 5 <sup>11</sup>	28.96 5 <sup>08</sup>	29.03 5 <sup>01</sup>	29.08 4 <sup>96</sup>	29.10 4 <sup>92</sup>	29.17 4 <sup>87</sup>	29.22 4 <sup>82</sup>	29.16 4 <sup>89</sup>	29.13 4 <sup>91</sup>	29.07 4 <sup>92</sup>	29.00 5 <sup>04</sup>	28.94 5 <sup>10</sup>	28.87 5 <sup>17</sup>	28.80 5 <sup>24</sup>	28.76 5 <sup>28</sup>	28.70 5 <sup>34</sup>
	144 <sup>81</sup>	143 <sup>03</sup>	136 <sup>32</sup>	130 <sup>81</sup>	124 <sup>20</sup>	118 <sup>59</sup>	112 <sup>48</sup>	106 <sup>37</sup>	0 <sup>0</sup> 0700	0106 <sup>37</sup>	112 <sup>48</sup>	718 <sup>59</sup>	724 <sup>70</sup>	730 <sup>81</sup>	736 <sup>92</sup>	743 <sup>03</sup>	744 <sup>81</sup>

BM

557

3404

2847 on sly  
abutment

76

HI for added notes  
please use to reduce  
our tape or elev. rod is

broken thanks

Lt = West

rt = East

1700

26 25	26 547	26 547	26 547
29.03	28.12	28.42	28.66
5.01	5.84	5.62	5.18

26 26	26 547	26 547	26 547
28.86	28.41	28.20	29.02
5.18	5.63	5.84	5.02

0750

29.25	28.42	28.64	29.09
4.79	5.62	5.10	4.25

29.10	28.64	28.42	29.25
4.94	5.40	5.62	4.79

0400 sly  
Channel Bridge

29.44	28.61	28.84	29.38
4.60	5.13	5.20	4.71
West ↑		East ↓	

29.33	28.93	28.63	29.44
4.71	5.31	5.44	4.60
East ↑		West ↓	

2770318  
sly Bridge

27.95	27.97	27.99	28.04	28.07	28.09	28.14
6.09	6.07	6.05	6.00	5.99	5.98	5.90

28.18	28.22	28.25	28.30	28.34	28.40	28.42	28.47	28.50	28.50
5.86	5.82	5.79	5.74	5.70	5.64	5.62	5.57	5.54	5.54

2679818

28.05	28.07	28.09	28.12	28.15	28.18	28.24
5.99	5.97	5.95	5.92	5.89	5.86	5.80

28.25	28.27	28.33	28.37	28.40	28.44	28.47	28.51	28.54	28.56
5.92	5.93	5.91	5.82	5.84	5.80	5.77	5.73	5.70	5.68

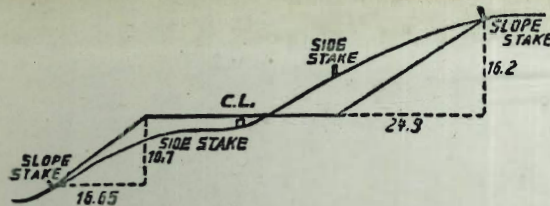
144.81	143.9	136.92	130.81	124.20	118.59	112.18	106.37	0100	106.37	112.18	118.59	124.20	130.81	136.92	143.02	144.81
--------	-------	--------	--------	--------	--------	--------	--------	------	--------	--------	--------	--------	--------	--------	--------	--------











**DISTANCES FROM SIDE STAKES FOR CROSS-SECTIONING.**  
SLOPE 1½ 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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