

31-22 = 1000
63

Our Leather Bound Engineers Note Books are carried in the following rulings:

- No. 380 LEVEL BOOK. Left and Right Hand Page the same as Left Hand Page of this Book.
- No. 382 FIELD BOOK. Left Hand Page as in this Book, Right Hand Page 4 x 4 to the inch, Center Line Red.
- No. 384 MINING TRANSIT BOOK. Left Hand Page as in this Book, Right Hand Page 8x8 to the inch, Center Line Red.
- No. 385 FIELD BOOK. Left Hand Page as in this Book, Right Hand Page 8 vertical and 4 horizontal lines to the inch, Center Line Red.

We also carry the Note Books listed above, bound in extra strong Fabri-Hide (otherwise the same quality of book), which can be furnished at a somewhat lower price.

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THE FREDERICK POST CO.
ENGINEERING and DRAFTING SUPPLIES
IRVING PARK STATION
CHICAGO, ILL.
MICROFILMED

APR 8 1965

Woolman Ave paving at 40th St	①
Cypress at Altamont	3
SANTA MONICA paving Bacon to De Foe	5
Hitchcock Dr. 38th to 39	4
✓ Main St Sigbee to 31st	6
36th St paving	9
La Jolla Cañon Dr ✓	15
✓ Niagara-Newport-Saratoga-Cape May-Guizot etc	28-49
Arizona St paving polk to El Capon	51
Woolman Ave Boundary to 47th	52
Furber Drive	54
Herschel St paving	10
✓ Alabama polk to El Capon	11
✓ First & Arbor Drive	12
✓ Boundary & Works	6
✓ " & Meade	65
✓ Arizona El Capon to Adams	68
✓ 31st Elm to Grape	69

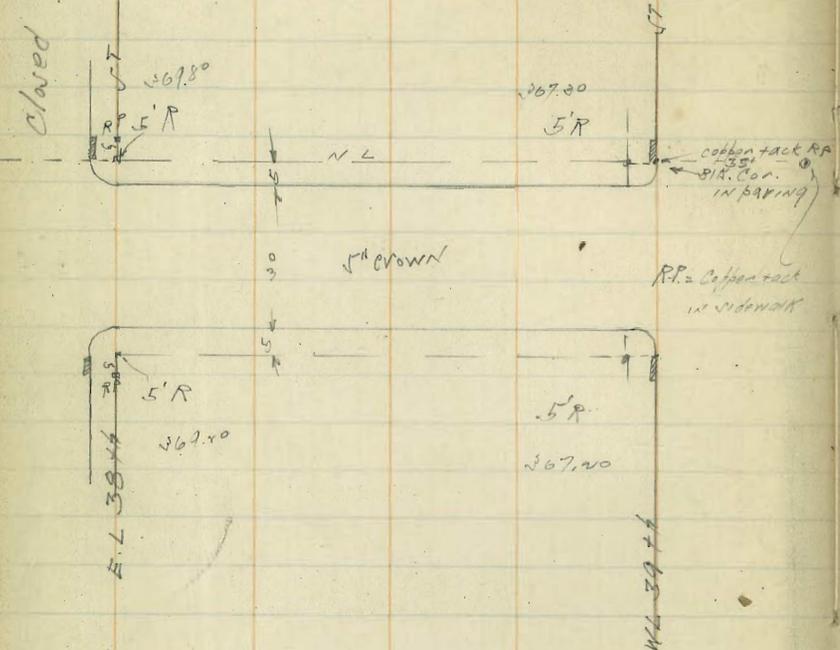
Water Tank pier Levels at Chesterford Jan page

Induced
1/21/23
M

1/17/08
 Restaked
 2/21/08
 Moore

Achilles Drive 30' Roadway
 5' curbs
 5" crown
 5' curb 400

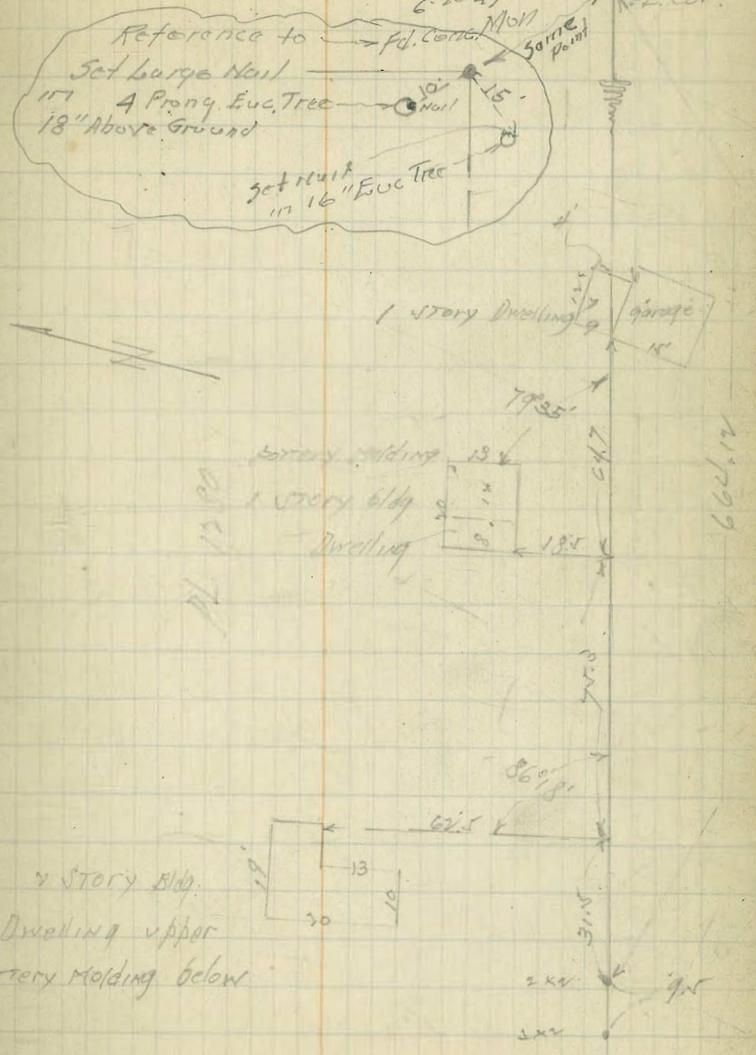
David Ryan



20' CURB EXTRA = 5' EXTRA ON EACH RETURN

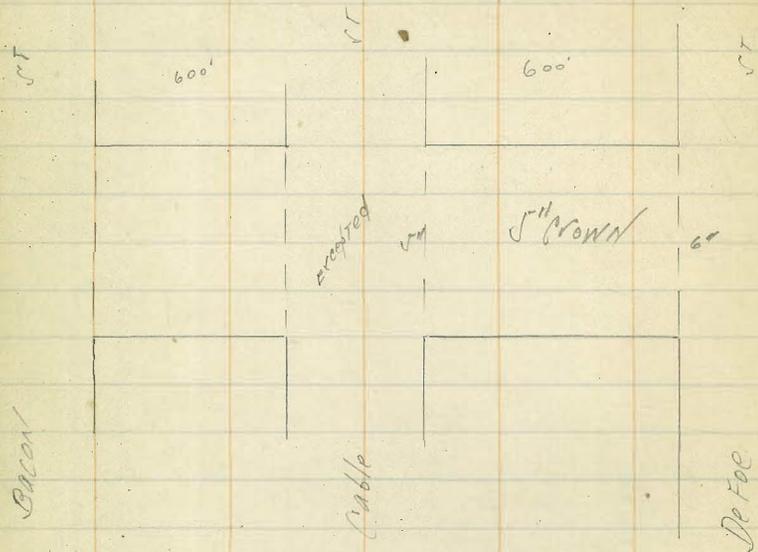
Posted 4-24-31 1934

Location of Bluffs of Pottery Row indexed
 P.L. 1280 see p 58 this book
 Moore 11-1934



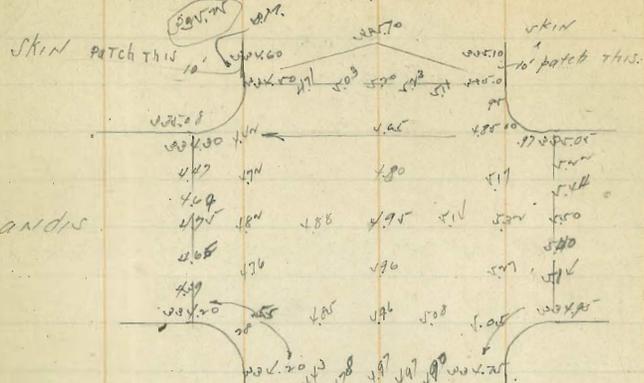
Ben Pierce

Santa Monica paving
Bacon To Sunset Cliffs Blvd.



3/2/47
Moore
56th ST PAVING
Lands to Dwight

8" curb face
6" crown



Lands

curb shown to be
constructed on plan
has been put in by P.O.

332.27 331.99 331.98 331.97 331.96 331.95

BREAK

331.80 331.81 331.82 331.83 331.84 331.85

BREAK

331.53 331.54 331.55 331.56 331.57 331.58

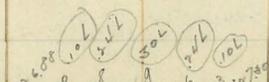
BREAK

331.13 331.14 331.15 331.16 331.17 331.18

BREAK

330.47 330.48 330.49 330.50 330.51 330.52

BREAK



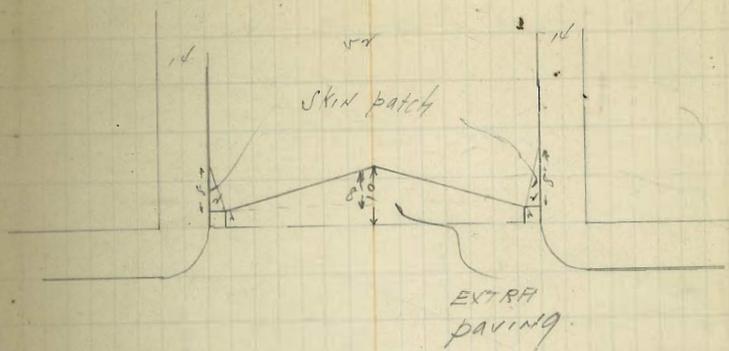
6.50 6.95 7.10

FUTURE GUTTER
TO MEET ON SOUTH

Dwight

335th NW 200 Lands + 36th

9



Lands

396' extra paving ST
16" " " skin patch

at per 1/4" for removing old paving

36th

HERSCHEL Ave 8" 6" face
 Silverado to Torrey Road 6" or

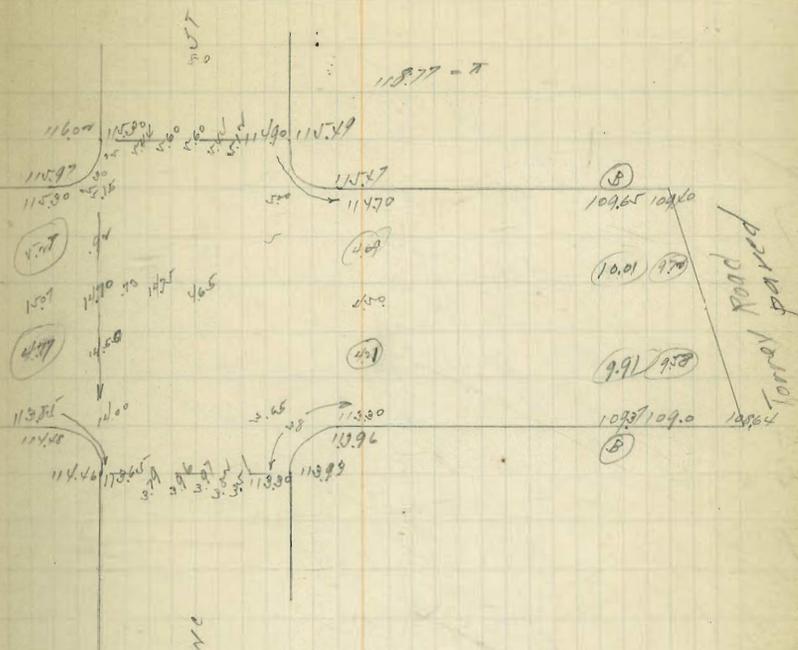
Headers set 1/3 width = 17.33 on Herschel
 17.33 = Template = .06 crown

Silverado paved

113.36
 113.39 = "5 paving 07 low
 113.32 " " 15 "
 113.28 " " 25 "
 113.10

113.5
 115.76
 115.73
 115.23
 114.30
 115

SWBP 103.97 Kline + Girard
 SEBT 115.49 " Herschel Watson + Sutton 10



117.00 SWBP
 Ivanhoe &
 Silverado

FIRST & ARBOR ST. RYAN 4/12/28
PAVING

	WCB	ECB
N L ARBOR = 00	287.50	287.50
0+50 = ONCAST ^{54.1 or} WEST	286.50	286.00 BREAK
1+00.5	284.15	283.65
1+55	281.80	281.30

W 287.50 286.50 284.15 281.80

E 287.50 286.00 283.65 281.30

Culvert #1

	FL.	
00 = BOTTOM BOX CB INLET #1	277.50	288.50 1303 275.79 0.22 276.56
0+40	277.00	7.50 279.50
0+65 = OUTLET	267.3	7.50 274.80
TOP CURB	281.30	

Culvert #2

curb inlet #2 top curb	282.50	281.36
BOTTOM BOX	278.50	+1.80
0+75 = OUTLET	267.10	+3.0

I. BSEN ST.

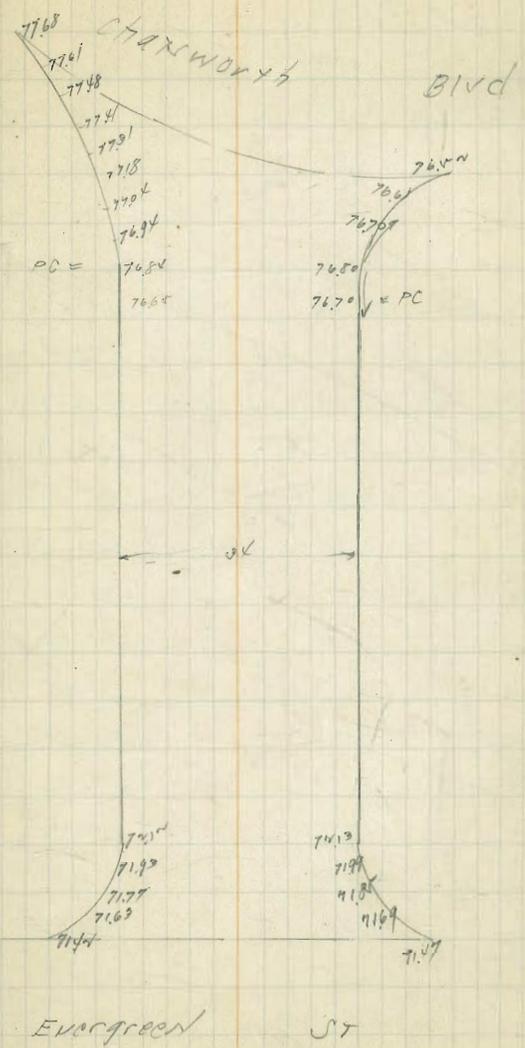
Paving 4" Crown.

Geo Daley, CONTR.

curb marked 5/2/28

Moore

14



La Jolla Cañon Drive

	S	N	
100+50	58.8N ✓	58.8N	370.12
100	60N0 ✓	60N0	
119+50	61.57 ✓	61.57	
118+90.80 = P.T.	63.70 ✓	62.70 PC	
117+20	62.78 ✓	63.78	
100 10'	65.86 ✓	64.86	
90 00'	66.92 ✓	65.92	
70 56'	68.04 ✓	67.04	
60 48'	69.10 ✓	68.10	
50 40'	70.18 ✓	69.18	
40 44'	71.26 ✓	70.26	
30 42'	72.34 ✓	71.34	
20 16'	73.42 ✓	72.42	
10 08'	74.50 ✓	73.50	
	75.60 ✓	75.60	
	76.10 ✓	76.10	
	77.25 ✓	77.25	
	78.46 ✓	78.46	
	79.60 ✓	79.60	
	80.70 ✓	80.70	
	81.85 ✓	81.85	
	83.05 ✓	83.05	
	84.55 ✓	84.55	
	86.20 ✓	86.20	
	87.85 ✓	87.85	

R = 391.6
 R = 1000.0

BM 6270
 RP = 30' S of 40 S
 37' S of E of 40 S
 37' S of E of 40 S

395.61

RP = 30' S of 40 S
 37' N of 53.7 E

1344.05
 40.50

4784	S	60.20	61.45	63.70	64.95	65.86	66.92	67.00	69.10
0.05									
4777									
10.78									
78.54									
1.73									
76.81									
12.06									
89.06									
0.41									
88.74									
12.20									
101.47									

11890.80
 11495.19
 \$ 95.61

11495.19
 10151.14
 1344.05

PLAN 3116-L

La Jolla Canyon Drive

	S	N
109	89.50 ✓	89.50
+50	91.15 ✓	91.15
108	94.80 ✓	94.80
+50	94.45 ✓	94.45
107	96.10 ✓	96.10
+50	BREK 97.75 ✓	97.75
106	" 99.65 ✓	99.65
+50	" 101.55 ✓	101.55
105	103.72 ✓	103.72
+50	105.89 ✓	105.89
104	108.06 ✓	108.06
+50	110.43 ✓	110.43
103	114.40 ✓	114.40
+50	114.57	114.57
102	115.60	115.60
101	117.55	117.55
101 + 51.11 = EC	119.50	119.50
100 + 53.72	121.68	121.68
10070296	123.86	123.86
99 + 54.22	126.04	126.04
99 + 01.48	128.22	128.22
98 + 50.74	130.40	129.40
98 + 00 - BREK	132.58	134.08
97 + 50 - BREK	134.75	134.25
	136.95	136.95

96.707
 22.2
 99.65
 12.75
 114.37

Hoodens
to base

117.41 BM
 25' N = RP
 40' S = 1st Line
 CT. 5' 5' 0"

10147	10138	10137	10136	10135	10134	10133	10132	10131	10130	10129	10128	10127
89.50	91.15	94.80	94.45	96.10	97.75	99.65	101.55	103.72	105.89	108.06	110.43	114.40
12.2	12.75	12.75	12.75	12.75	12.75	12.75	12.75	12.75	12.75	12.75	12.75	12.75
99.65	103.30	107.55	111.80	116.05	120.30	124.55	128.80	133.05	137.30	141.55	145.80	150.05
12.75	12.75	12.75	12.75	12.75	12.75	12.75	12.75	12.75	12.75	12.75	12.75	12.75
114.37	127.05	139.73	152.41	165.09	177.77	190.45	203.13	215.81	228.49	241.17	253.85	266.53
12.75	12.75	12.75	12.75	12.75	12.75	12.75	12.75	12.75	12.75	12.75	12.75	12.75
103.72	105.89	108.06	110.23	112.40	114.57	116.74	118.91	121.08	123.25	125.42	127.59	129.76
12.75	12.75	12.75	12.75	12.75	12.75	12.75	12.75	12.75	12.75	12.75	12.75	12.75
105.89	108.06	110.23	112.40	114.57	116.74	118.91	121.08	123.25	125.42	127.59	129.76	131.93
12.75	12.75	12.75	12.75	12.75	12.75	12.75	12.75	12.75	12.75	12.75	12.75	12.75
108.06	110.23	112.40	114.57	116.74	118.91	121.08	123.25	125.42	127.59	129.76	131.93	134.10
12.75	12.75	12.75	12.75	12.75	12.75	12.75	12.75	12.75	12.75	12.75	12.75	12.75
110.23	112.40	114.57	116.74	118.91	121.08	123.25	125.42	127.59	129.76	131.93	134.10	136.27
12.75	12.75	12.75	12.75	12.75	12.75	12.75	12.75	12.75	12.75	12.75	12.75	12.75
112.40	114.57	116.74	118.91	121.08	123.25	125.42	127.59	129.76	131.93	134.10	136.27	138.44
12.75	12.75	12.75	12.75	12.75	12.75	12.75	12.75	12.75	12.75	12.75	12.75	12.75
114.57	116.74	118.91	121.08	123.25	125.42	127.59	129.76	131.93	134.10	136.27	138.44	140.61
12.75	12.75	12.75	12.75	12.75	12.75	12.75	12.75	12.75	12.75	12.75	12.75	12.75
116.74	118.91	121.08	123.25	125.42	127.59	129.76	131.93	134.10	136.27	138.44	140.61	142.78
12.75	12.75	12.75	12.75	12.75	12.75	12.75	12.75	12.75	12.75	12.75	12.75	12.75
118.91	121.08	123.25	125.42	127.59	129.76	131.93	134.10	136.27	138.44	140.61	142.78	144.95
12.75	12.75	12.75	12.75	12.75	12.75	12.75	12.75	12.75	12.75	12.75	12.75	12.75
121.08	123.25	125.42	127.59	129.76	131.93	134.10	136.27	138.44	140.61	142.78	144.95	147.12
12.75	12.75	12.75	12.75	12.75	12.75	12.75	12.75	12.75	12.75	12.75	12.75	12.75
123.25	125.42	127.59	129.76	131.93	134.10	136.27	138.44	140.61	142.78	144.95	147.12	149.29
12.75	12.75	12.75	12.75	12.75	12.75	12.75	12.75	12.75	12.75	12.75	12.75	12.75
125.42	127.59	129.76	131.93	134.10	136.27	138.44	140.61	142.78	144.95	147.12	149.29	151.46
12.75	12.75	12.75	12.75	12.75	12.75	12.75	12.75	12.75	12.75	12.75	12.75	12.75
127.59	129.76	131.93	134.10	136.27	138.44	140.61	142.78	144.95	147.12	149.29	151.46	153.63
12.75	12.75	12.75	12.75	12.75	12.75	12.75	12.75	12.75	12.75	12.75	12.75	12.75
129.76	131.93	134.10	136.27	138.44	140.61	142.78	144.95	147.12	149.29	151.46	153.63	155.80
12.75	12.75	12.75	12.75	12.75	12.75	12.75	12.75	12.75	12.75	12.75	12.75	12.75
131.93	134.10	136.27	138.44	140.61	142.78	144.95	147.12	149.29	151.46	153.63	155.80	157.97
12.75	12.75	12.75	12.75	12.75	12.75	12.75	12.75	12.75	12.75	12.75	12.75	12.75
134.10	136.27	138.44	140.61	142.78	144.95	147.12	149.29	151.46	153.63	155.80	157.97	160.14
12.75	12.75	12.75	12.75	12.75	12.75	12.75	12.75	12.75	12.75	12.75	12.75	12.75
136.27	138.44	140.61	142.78	144.95	147.12	149.29	151.46	153.63	155.80	157.97	160.14	162.31
12.75	12.75	12.75	12.75	12.75	12.75	12.75	12.75	12.75	12.75	12.75	12.75	12.75
138.44	140.61	142.78	144.95	147.12	149.29	151.46	153.63	155.80	157.97	160.14	162.31	164.48
12.75	12.75	12.75	12.75	12.75	12.75	12.75	12.75	12.75	12.75	12.75	12.75	12.75
140.61	142.78	144.95	147.12	149.29	151.46	153.63	155.80	157.97	160.14	162.31	164.48	166.65
12.75	12.75	12.75	12.75	12.75	12.75	12.75	12.75	12.75	12.75	12.75	12.75	12.75
142.78	144.95	147.12	149.29	151.46	153.63	155.80	157.97	160.14	162.31	164.48	166.65	168.82
12.75	12.75	12.75	12.75	12.75	12.75	12.75	12.75	12.75	12.75	12.75	12.75	12.75
144.95	147.12	149.29	151.46	153.63	155.80	157.97	160.14	162.31	164.48	166.65	168.82	170.99
12.75	12.75	12.75	12.75	12.75	12.75	12.75	12.75	12.75	12.75	12.75	12.75	12.75
147.12	149.29	151.46	153.63	155.80	157.97	160.14	162.31	164.48	166.65	168.82	170.99	173.16
12.75	12.75	12.75	12.75	12.75	12.75	12.75	12.75	12.75	12.75	12.75	12.75	12.75
149.29	151.46	153.63	155.80	157.97	160.14	162.31	164.48	166.65	168.82	170.99	173.16	175.33
12.75	12.75	12.75	12.75	12.75	12.75	12.75	12.75	12.75	12.75	12.75	12.75	12.75
151.46	153.63	155.80	157.97	160.14	162.31	164.48	166.65	168.82	170.99	173.16	175.33	177.50
12.75	12.75	12.75	12.75	12.75	12.75	12.75	12.75	12.75	12.75	12.75	12.75	12.75
153.63	155.80	157.97	160.14	162.31	164.48	166.65	168.82	170.99	173.16	175.33	177.50	179.67
12.75	12.75	12.75	12.75	12.75	12.75	12.75	12.75	12.75	12.75	12.75	12.75	12.75
155.80	157.97	160.14	162.31	164.48	166.65	168.82	170.99	173.16	175.33	177.50	179.67	181.84
12.75	12.75	12.75	12.75	12.75	12.75	12.75	12.75	12.75	12.75	12.75	12.75	12.75
157.97	160.14	162.31	164.48	166.65	168.82	170.99	173.16	175.33	177.50	179.67	181.84	184.01
12.75	12.75	12.75	12.75	12.75	12.75	12.75	12.75	12.75	12.75	12.75	12.75	12.75
160.14	162.31	164.48	166.65	168.82	170.99	173.16	175.33	177.50	179.67	181.84	184.01	186.18
12.75	12.75	12.75	12.75	12.75	12.75	12.75	12.75	12.75	12.75	12.75	12.75	12.75
162.31	164.48	166.65	168.82	170.99	173.16	175.33	177.50	179.67	181.84	184.01	186.18	188.35
12.75	12.75	12.75	12.75	12.75	12.75	12.75	12.75	12.75	12.75	12.75	12.75	12.75
164.48	166.65	168.82	170.99	173.16	175.33	177.50	179.67	181.84	184.01	186.18	188.35	190.52
12.75	12.75	12.75	12.75	12.75	12.75	12.75	12.75	12.75	12.75	12.75	12.75	12.75
166.65	168.82	170.99	173.16	175.33	177.50	179.67	181.84	184.01	186.18	188.35	190.52	192.69
12.75	12.75	12.75	12.75	12.75	12.75	12.75	12.75	12.75	12.75	12.75	12.75	12.75
168.82	170.99	173.16	175.33	177.50	179.67	181.84	184.01	186.18	188.35	190.52	192.69	194.86
12.75	12.75	12.75	12.75	12.75	12.75	12.75	12.75	12.75	12.75	12.75	12.75	12.75
170.99	173.16	175.33	177.50	179.67	181.84	184.01	186.18	188.35	190.52	192.69	194.86	197.03
12.75	12.75											

La Jolla Canyon Drive

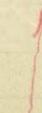
	S = EAST	N = WEST
97 + 00 = CORN	139.05	138.05
+50 = BAK	140.85	139.85
96 + 00 = "BAK	142.45	141.45
95 + 55 = 28	143.85	142.85
95 + 10.56 = PC ✓	145.25	144.25
94 + 50 = 1/2 PC to PR. Suber	146.15	145.65
94 + 36 = PR. Suber	147.05	147.05
94 + 00	148.20	148.20
+50	149.75	
93	151.30	
+50	152.85	
92	154.40	
91 + 50 = BREAK	155.95	
91 + 00 = "	157.75	
+50 = "	160.0	
90	162.00	
89 + 81.15 = PT ✓	163.50	
0° 19' 15"	164.70	
0° 38' 30"	165.85	
0° 57' 45"	167.0	
1° 17' 00"	168.10	
88 + 41.5 = PC	170.20	
+50	172.80	
88	175.35	
+50	177.90	
87		

9510.46
8981.126
529.41 ✓

58.823

16730
25' EAST = B.M.
70' WEST

28' EAST
120' WEST



	PC	Pr. Suber
146.69		
938		
146.3		
146.93		
147.54		
925		
148.24		
14.74		
171.01		
0.1		
170.80 = T.P. Prack		
11.84		
18.22		
42.75		
5.30		
5.75		
4.1		
2.6		
0.3		
11.0		
11.9		
2.4		
7.9		
1.5		
10.05		
10.85		
11.45		
12.05		
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13.25		
13.85		
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81.05		
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220.85		
221.45		
222.05		
222.65		
223.25		
223.85		
224.45		

La Jolla Cañon Drive

	S = east	N = west	
0 3° 00' of "	303.42	302.82	
5548 ft. NW = PC.	304.90	303.50	CT. 2
+ 41.10	306.60	305.90	15' W slope
17 PT. Super	308.30	308.30	40' E = BM.
+ 50	310.80	310.80	309.60
14	313.30	313.30	
+ 50	315.80	315.60	
50	318.30	318.30	
+ 50	320.80	320.80	
54 PT. Super	322.30	322.30	
51 + 59.8 = PT.	326.20	326.50	50' W slope
3° 00'	328.20	328.80	
0 2° 30'	330.20	330.50	
0 4° 00'	332.20	332.50	
0 1° 30'	334.20	334.50	
0 0° 30'	336.30	336.60	
49 + 07.0 PC	338.30	338.90	50' E = BM
+ 50 PT. of Super	341.80	341.80	100' east
48	344.50	344.50	
+ 50	347.40	347.40	
47 = BREAK	350.00	350.00	
+ 50	354.40	354.40	
46	354.40	354.00	
+ 50	356.50	356.50	
45 PT. Super	358.70	358.70	

30887	308.20	304.90	306.60	308.30	310.80	313.30	315.80
0.10							
308.73							
12.24							
341.34							
0.25							
341.10							
13.85							
344.15							
0.20							
333.95							
12.24							
346.19							
1.20							
347.39							
12.24							
359.63							
357.51							
0.25							
357.26							
12.24							
369.50							
355.87							
0.25							
355.62							
12.24							
367.86							
346							
344							
1.10							
345.10							
12.24							
357.34							
1.10							
358.44							
12.24							
370.68							

Additional Ties
FB 2007-7879

CT. 2
100779
Copper track on Pt. SE east of E parking
See FB. 13222
Survey of Lease of Animal Rescue League

490710
446404
48306

La Jolla Canyon Drive

Copper rock on ♀

	50 EAST	N/2 WEST	20 WEST TO EAST
41+640 = FT.	360.00	360.50	360.60
6° 14'			
5° 10' A=14° 24'	362.20	362.10	363.80
4° 08' R=1400	364.50	365.0	365.10
3° 06' ch=50.48	366.60	367.10	367.20
2° 04'	368.60	369.10	369.20
1° 04'	370.20	370.90	371.00
41+6104 PC.	372.00	372.50	372.60
+20 FT. Super.	373.80	374.00	373.80
+50 BRK	374.90		374.90
40	375.80		375.80
450	376.50	376.50	376.50
39		377.00	
750		377.50	
38		378.00	
+50		378.50	
37		379.00	
+50		379.50	
36		380.00	
+50 BRK		380.50	
35		381.10	
+50		381.70	
34 = BRK		382.30	
+50 = BRK		382.20	
33		384.10	384.10

	360.00	630.00	645.50	660.00	685.00	704.00	720.00	735.80
S	8.1	4.9	5.0	1.5	10.4	9.1	4.8	5.7
	0.3	0.7	0.1	1.4	10.6	8.6	4.8	5.6
	0.2	1.0	0.2	4.1	10.3	4.0	4.7	4.7
N	360.60	630.80	645.10	674.00	690.00	712.00	726.00	735.00
	7.5	4.3	5.0	12.5	10.0	9.4	6.9	6.7
	2.9	1.7	2.8	11.1	10.8	10.4	6.4	6.5
	0.0	1.4	4.5	7.2	-0.5	10.4	4.0	10.2
S	740.00	755.00	765.00	771.00	777.00	782.00	785.90	794.00
	4.6	3.7	3.0	2.4	1.8	1.3	0.6	2.2
	4.8	4.1	4.4	6.0	2.7	2.5	2.5	10.2
	0.2	0.4	1.4	1.0	0.9	1.2	1.9	1.0
N	4.6	3.7	3.0	2.4	1.8	1.3	0.6	2.2
	4.8	4.1	4.4	6.0	2.7	2.5	2.5	10.2
	0.2	0.4	1.4	1.0	0.9	1.2	1.9	1.0
S	80.00	80.60	81.00	81.26	82.64	82.90	83.50	84.10
	7.6	7.0	6.7	5.8	5.1	4.7	4.1	3.5
	9.0	8.7	8.0	7.8	7.1	6.8	6.8	6.6
	1.6	1.7	1.3	1.7	1.7	2.1	2.2	2.1
N	7.6	7.0	6.7	5.8	5.1	4.7	4.1	3.5
	9.0	8.7	8.0	7.8	7.1	6.8	6.8	6.6
	1.6	1.7	1.3	1.7	1.7	2.1	2.2	2.1
S	765.00	775.00	785.00	795.00	805.00	815.00	825.00	835.00
	6.9	5.9	5.3	4.8	4.4	4.0	3.7	3.4
	7.1	6.5	6.0	5.5	5.1	4.7	4.4	4.1
	0.2	0.6	0.7	0.7	0.7	0.7	0.7	0.7
N	6.9	5.9	5.3	4.8	4.4	4.0	3.7	3.4
	7.1	6.5	6.0	5.5	5.1	4.7	4.4	4.1
	0.2	0.6	0.7	0.7	0.7	0.7	0.7	0.7
S	81.38	82.06	82.74	83.42	84.10	84.78	85.46	86.14
	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1
	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1
N	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1
	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1
	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1
S	77.00	77.50	78.00	78.50	79.00	79.50	80.00	80.50
	6.9	6.4	5.9	5.4	4.9	4.4	3.9	3.4
	7.6	7.1	6.6	6.1	5.6	5.1	4.6	4.1
	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7
N	6.9	6.4	5.9	5.4	4.9	4.4	3.9	3.4
	7.6	7.1	6.6	6.1	5.6	5.1	4.6	4.1
	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7
S	83.20	84.10						
	0.7	1.0						
	1.7	1.1						
	0.7	1.5						
	1.7	1.5						

BM 30' WEST - 10' EAST

Copper rock on ♀

373.80
40
51
6108

La Jolla Cañon Drive

	S = EAST	N = WEST
32 +50	385.00	
32	385.90	
+50	386.80	
31	387.30	
+50	388.80	
30	389.50	30' E 40' W
+50	390.40	
29	391.30	
+50	392.20	
28	393.10	
+50	394.00 ✓	
27	394.90	
+50	395.80	
26	396.70	
+50	397.60 ✓	
25	398.50	
+50	399.45	
24	400.35	
+50	401.25	
23	402.10	
+50	403.40	
22 +100 = BREAK	406.10	40' E 40' W
+50	404.05	
21	405.20	
+50	405.95	

34

387.59							
386.69							
397.64							
392.06							
407.79							
406.13							
414.94							
385.00	385.90	386.80	387.70	388.60	389.50	390.40	
0.6	0.7	0.8	0.9	0.9	0.9	0.9	
0.2	0.2	0.2	0.2	0.2	0.2	0.2	
-1.0	-1.0	-1.4	-1.4	-1.5	-1.3	-1.1	
0.6	0.7	0.8	0.9	0.9	0.9	0.9	
0.2	0.2	0.2	0.2	0.2	0.2	0.2	
-1.0	-1.1	-1.4	-1.4	-1.5	-1.3	-1.1	
92.00	92.80	93.40	94.00	94.90	95.80	96.80	
0.3	0.4	0.4	0.6	0.7	0.8	0.9	
0.9	0.8	0.8	0.8	0.8	0.8	0.8	
-8.6	-0.2	-0.5	-0.4	-0.3	-0.2	-0.3	
0.3	0.4	0.5	0.6	0.7	0.8	0.9	
2.0	0.7	0.5	0.5	0.5	0.5	0.5	
-0.7	-0.3	0.2	0.2	0.2	0.2	0.2	
97.60	98.50	99.45	100.35	101.25	102.10		
1.0	0.3	0.4	0.5	0.6	0.6		
10.6	9.3	8.8	7.9	6.8	5.7		
-0.4	-0.4	-0.4	-0.4	-0.2	-0.1		
10.5	9.3	8.8	7.5	6.6	5.7		
11.0	10.5	9.6	8.3	7.0	6.0		
-0.3	-1.0	-1.0	-0.8	-0.6	-0.3		
03.80	04.10	04.40	05.20	05.75			
0.7	0.7	0.1	0.6	0.1			
0.1	0.2	0.2	0.2	0.1			
-0.0	0.0	-0.4	-0.3	0.0			
0.7	0.7	0.1	0.6	0.1			
0.0	0.0	0.0	0.0	0.0			
-0.0	-0.0	-0.6	-1.1	-0.6			

La Jolla Canyon Drive

	S = EAST	N = WEST
20	406.30	
+50	408.85	
19 = BREAK	407.40	
+50	408.85	
18 = BREAK	408.30	
+50	409.10	
17 = BREAK	409.90	
+50	410.40	
16	410.40 ✓	
+50	410.55	
15	410.70	
+50	410.85	
14	411.00	
+50	411.40	
13	411.30	
+50	411.75	
12	411.80	
+50	414.45	
11	414.90	
+50	412.05	
10 = BREAK	414.80	
+50	414.80	
9 = BREAK	411.80	
+50	411.40	
8 = BREAK	411.00	

414.94
 4.67
 410.17
 6.32
 416.39

W. side
 nails in pole
 #18 = check

S	406.30	0.8.85	0.7.40	0.8.00	0.8.50	0.9.40	1.0.70
	8.6	8.1	7.5	6.9	6.4	5.8	5.2
	2.6	2.1	2.8	2.2	2.9	2.4	2.8
	0.0	0.0	-0.3	-0.3	-0.4	-0.4	-0.3
N	8.6	8.1	7.5	6.9	6.4	5.8	5.2
	10.1	9.7	9.5	8.6	7.8	7.2	6.6
	-1.5	-1.6	-2.0	-1.7	-1.8	-1.4	-1.4
S	10.40	10.70	10.85	11.00	11.15	11.30	11.50
	4.8	4.5	4.2	3.8	3.4	3.0	2.7
	4.0	3.6	3.2	2.8	2.4	2.0	1.7
	-0.8	-0.1	+0.7	+0.2	+0.3	+0.4	+0.8
N	4.8	4.5	4.2	3.8	3.4	3.0	2.7
	5.7	5.0	4.7	4.0	3.6	3.2	2.8
	-0.8	-0.5	-0.3	-0.3	-0.1	-0.2	-0.5
S	11.45	11.60	11.85	11.90	12.05	12.20	12.30
	5.0	4.8	4.7	4.5	4.4	4.2	4.1
	4.3	4.0	3.6	3.4	3.3	3.1	3.1
	+1.3	+0.8	+1.1	+1.1	+0.7	+0.8	+0.8
N	5.0	4.8	4.7	4.5	4.4	4.2	4.1
	5.8	5.7	5.7	5.5	5.7	5.4	5.4
	-0.8	-0.9	-1.0	-1.3	-1.3	-1.3	-0.8
S	11.40	11.80					
	5.0	5.7					
	4.6	4.9					
	+0.6	+0.5					
N	5.0	5.4					
	5.7	6.1					
	-0.7	-0.7					

167324

OT pole
 1308

1180

OTW pole

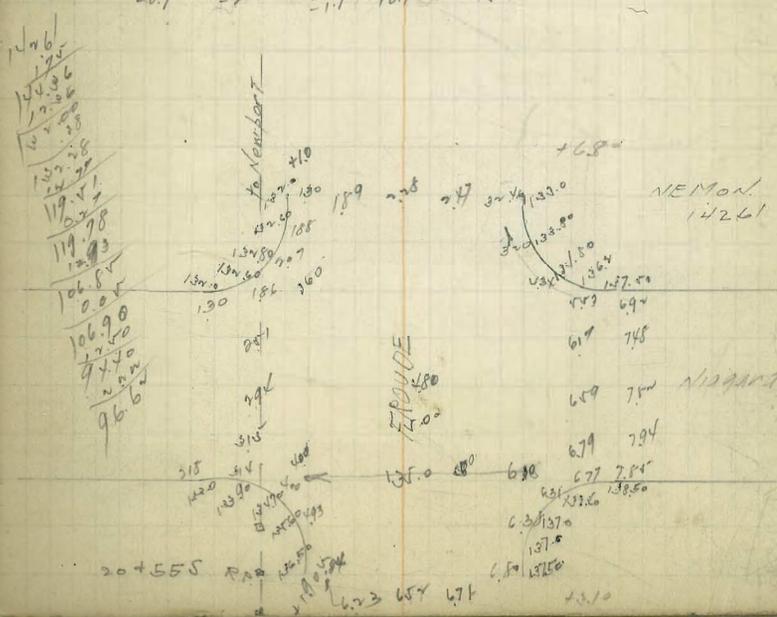
Niagara Ave

00+08 = PL EGONS	58.00	58.00
0+56	63.30	63.05
1+04	71.60	71.10
+54	79.90	79.15
2+00 = PVC	88.40 ✓	87.40 ✓
+20	91.40 ✓	90.40 ✓
+40	94.40 ✓	93.40 ✓
+60	97.0 ✓	96.0 ✓
+80	99.40 ✓	98.40 ✓
3 EVC.	101.50 ✓	100.50 ✓
+50	106.89	105.89
4	117.28	111.28
+50	117.67	116.67
5	123.06	122.06
+50	128.46	127.46 ✓
+94 = PC	133.0	132.0
FROUDE EC	136.50 = SLEC	132.0 = NLEC
EC	137.50 = "	133.0 = "
0+08 = PC	138.50	137.50

70.50							
2.00							
70.50							
12.35							
58.15							
0.00							
58.15							
13.67	S	63.30	71.60	79.90	88.40	91.40	94.40
96.57		7.0	11.9	16.6	21.3	27.0	32.40
30.0		1.0	2.0	3.0	4.0	5.0	6.0
96.57		+5.5	+7.8	+10.0	+12.9	+16.0	+19.0
12.81							
109.33	N	63.0	71.1	79.1	87.4	90.4	93.4
10.00		7.0	11.9	16.6	21.3	27.0	32.4
99.33		1.0	2.0	3.0	4.0	5.0	6.0
13.00		+5.0	+7.8	+10.0	+12.9	+16.0	+19.0
12.36							
0.00							
122.33	S	101.50	106.9	112.3	117.70	123.0	128.5
12.53		7.5	15.5	23.5	31.5	39.5	47.5
134.86		2.5	11.5	20.5	29.5	38.5	47.5
0.47		+5.0	+7.8	+10.0	+12.9	+16.0	+19.0
134.86							
13.04							
147.83	N	100.5	105.9	111.3	116.7	122.0	127.5
0.00		5.0	11.0	17.0	23.0	29.0	35.0
147.83		10.0	20.0	30.0	40.0	50.0	60.0
12.81		+1.9	+3.9	+5.9	+7.9	+9.9	+11.9
160.04							

Cuts to curb grade 29

136.5	EC	= 137.50	138.50 = PC
11.0		10.0	9.0
8.0		1.6	2.6
+2.1		+8.4	+8.0
132.0	EC	= 133.0	137.50 = PC
2.0		12.5	10.0
4.0		7.0	4.0
-1.5		+7.1	+5.1
132.80		132.0	127.50
7.5		14.5	17.5
5.8		10.0	14.5
-0.9		-2.0	-1.7



GUIZOT ST.

8" curb face
5" cc. Newport to
Del Monte

	WCB	ECB	
NL Newport	164.0	164.0	
SL " = 00	166.0	166.0	
+50	169.26	169.46	
1	172.53	172.93	
+50	175.80	176.40	6.93%
2	179.06	179.86	
+50	184.33	183.33	
3 = NL Niagara	185.60	186.80	
00 = SL "	189.0	190.0	
+50	191.67	192.67	
1	194.35	195.35	
+50 = BREAK	196.5	197.5 = NL alley	
2	198.58	199.58	
+50	200.37	201.30 = .03.45%	
2 + 94 = E.L.		202.80 = 294 = PC	
3 = NL Nanna. Ave	202.06	203.03	on EAST
00 = SL "	203.09	204.17	
0 + 06 EL		204.39	0 + 06 = PC
+50	204.90	206.02	
1	206.72	207.87	
+50	208.53	209.72	
2	210.35	211.57	= 3.7%
+50	212.16	213.42	
3 = NL Del Monte Ave	214.0	215.27	

N.B. 7' C.T.

see sketches under Niagara

Top Bank T.P. = 172.11 ✓

W	166.0	169.4	172.5	175.80	179.0	184.3	189.6	
	7.4	3.4	3.1	3.3	4.2	5.3	5.3	
	11.4	5.8	14.4	17.3	21.5	26.8	29	
	+4.0	-1.6	+6.7	+3.3	+4.3	+7.0	-2.1	
E	166.0	169.5	172.9	176.4	179.8	183.3	186.8	
	7.5	3.3	3.4	3.5	3.6	3.5	3.5	
	11.5	6.8	15.4	18.3	22.5	27.8	29	
	+0.1	-3.4	+6.7	+3.0	+4.3	+7.0	-2.1	
W	185.6	190.0	192.7	195.3	196.5	198.6	200.3	202.06 = CB
	4.4	7.3	2.7	2.6	1.2	2.1	1.7	
	8.8	11.6	14.3	17.0	19.7	22.4	25.1	
	+1.4	+0.8	+1.0	+1.0	+1.0	+1.0	+1.0	
E	186.8	190.0	192.7	195.3	197.5	199.6	201.3	202.5 = PC
	3.2	7.5	2.7	2.6	2.2	2.1	1.7	
	6.4	15.0	17.7	20.3	22.9	25.6	28.3	
	+1.2	-2.9	+3.1	+1.0	+1.0	+1.0	+1.0	
W	203.09	204.90	206.7	208.5	210.3	212.1	214.0	M.H.R.M. grade
	1.8	1.9	1.8	1.6	1.8	1.8	1.9	
	3.6	3.8	3.6	3.2	3.6	3.6	3.8	
	-0.4	-0.1	-0.1	-0.4	-0.2	-0.4	-0.1	
E	204.17	206.0	207.9	209.7	211.6	213.4	215.3	
	1.8	1.1	1.9	1.8	1.7	1.8	1.9	
	3.6	2.2	3.8	3.6	3.4	3.6	3.8	
	+1.1	+1.0	+0.6	+1.1	+1.1	+1.1	+1.1	

curb stakes set 4/24/08 Moore

New Port Ave 8" curb face
5" cr.

	5 06	N 06
EL SUNSET CLIFFS BLVD	26.0	26.0
+50	26.99	
1	27.97	
+50	28.95	
2	29.94	
+50	30.93	
3	31.91	
+50 = BREAK	32.90	32.90
✓	34.30	34.30
+50	36.40	36.40
5	38.74	
+50	41.01	
5 + 92 = PC	43.0	43.0
SL = EC	44.0	N L EC
EBONS ST.	45.0	
SL = EC	45.0	
0 + 08 PC.	46.50	47.0

2506 BM NE

CUTS to curb grade 33

11007	35.11										
0.26											
34.85											
12.81	S 26.0	27.0	28.0	29.0	29.9	30.9	31.9	32.9	33.9	34.9	35.9
47.66		8.1	7.1	6.1	5.2	4.2	3.2	2.2	1.2	0.2	
46.9		2.9	6.7	5.4	4.4	3.2	2.2	1.2	0.2		
12.81		+0.2	+0.4	+0.7	+0.8	+0.5	+1.0	+1.2	+1.2	+1.1	
59.89	N 26.0	27.0	28.0	29.0	29.9	30.9	31.9	32.9	33.9	34.9	35.9
	9.11	8.1	7.1	6.1	5.2	4.2	3.2	2.2	1.2	0.2	
		2.9	6.7	5.4	4.4	3.2	2.2	1.2	0.2		
		+0.1	+0.5	+0.6	+0.8	+1.0	+0.9	+1.5	+1.6	+1.6	

32.90	38.7	41.0	43.0	44.0	45.0	46.50				
11.3	9.0	6.7	4.7	3.7	10.9	13.4				
10.2	8.5	5.8	3.9	3.6	14.3	9.1				
+1.1	+0.5	+0.9	+0.8	+0.1	+0.6	+0.6				

32.90	38.7	41.0	43.0	44.0	45.0	46.50				
11.2	9.0	6.7	4.7	3.7	10.9	12.9				
7.8	7.3	3.9	2.6	3.6	11.1	11.1				
+1.4	+1.7	+2.8	+2.1	+0.1	+0.3	+7.8				

32.90	38.7	41.0	43.0	44.0	45.0	46.50				
11.2	9.0	6.7	4.7	3.7	10.9	12.9				
7.8	7.3	3.9	2.6	3.6	11.1	11.1				
+1.4	+1.7	+2.8	+2.1	+0.1	+0.3	+7.8				

32.90	38.7	41.0	43.0	44.0	45.0	46.50				
11.2	9.0	6.7	4.7	3.7	10.9	12.9				
7.8	7.3	3.9	2.6	3.6	11.1	11.1				
+1.4	+1.7	+2.8	+2.1	+0.1	+0.3	+7.8				

32.90	38.7	41.0	43.0	44.0	45.0	46.50				
11.2	9.0	6.7	4.7	3.7	10.9	12.9				
7.8	7.3	3.9	2.6	3.6	11.1	11.1				
+1.4	+1.7	+2.8	+2.1	+0.1	+0.3	+7.8				

32.90	38.7	41.0	43.0	44.0	45.0	46.50				
11.2	9.0	6.7	4.7	3.7	10.9	12.9				
7.8	7.3	3.9	2.6	3.6	11.1	11.1				
+1.4	+1.7	+2.8	+2.1	+0.1	+0.3	+7.8				

32.90	38.7	41.0	43.0	44.0	45.0	46.50				
11.2	9.0	6.7	4.7	3.7	10.9	12.9				
7.8	7.3	3.9	2.6	3.6	11.1	11.1				
+1.4	+1.7	+2.8	+2.1	+0.1	+0.3	+7.8				

32.90	38.7	41.0	43.0	44.0	45.0	46.50				
11.2	9.0	6.7	4.7	3.7	10.9	12.9				
7.8	7.3	3.9	2.6	3.6	11.1	11.1				
+1.4	+1.7	+2.8	+2.1	+0.1	+0.3	+7.8				

32.90	38.7	41.0	43.0	44.0	45.0	46.50				
11.2	9.0	6.7	4.7	3.7	10.9	12.9				
7.8	7.3	3.9	2.6	3.6	11.1	11.1				
+1.4	+1.7	+2.8	+2.1	+0.1	+0.3	+7.8				

32.90	38.7	41.0	43.0	44.0	45.0	46.50				
11.2	9.0	6.7	4.7	3.7	10.9	12.9				
7.8	7.3	3.9	2.6	3.6	11.1	11.1				
+1.4	+1.7	+2.8	+2.1	+0.1	+0.3	+7.8				

32.90	38.7	41.0	43.0	44.0	45.0	46.50				
11.2	9.0	6.7	4.7	3.7	10.9	12.9				
7.8	7.3	3.9	2.6	3.6	11.1	11.1				
+1.4	+1.7	+2.8	+2.1	+0.1	+0.3	+7.8				



New Port Ave

Ebens ST=00	S CB	N CB	
0+08 = PC	46.50 ✓	47.0 ✓	
+50	50.65	51.08	
	55.59	55.93	
+50	60.53	60.79	
	65.47	65.64	
+50	70.41	70.50	
	75.35	75.35	
+50	80.29	80.20	9.705%
	85.23	85.05	
+50	90.17	89.91	
	95.11	94.76	
+50	100.05	99.62	
+99 = PL	104.20	103.70	
Froude SL = EC	106.50	104.50	NL = EC
SL = EC	107.50	106.10	" "
0+08 = PC	108.0	107.50	

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at Froude NLs 101.5 = placed
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Cuts are to Cumb grade

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PC	50.6	55.6	60.5	65.5	70.4	75.4	80.3	85.2
S	9.3	0.3	12.6	7.2	4.5	10.2	5.3	0.4
N	2.6	0.0	3.4	2.4	1.9	2.9	5.8	3.7
	+1.7		-0.8	-1.0	-2.6	-2.1	-0.5	-2.0
PC	51.1	56.0	60.8	65.6	70.5	75.4	80.2	85.0
N	6.1	3.9	0.7	7.3	2.0	2.5	5.2	0.6
S	6.1	5.0	+1.5	4.8	5.8	3.7	9.7	5.8
	-2.4	-1.1	-2.2	-2.6	-3.4	-3.2	-2.3	-1.2
PC	90.2	95.1	100.0	104.9	109.8	114.7	119.6	124.5
S	8.5	3.6	10.9	6.7	4.8	16.5	16.0	16.0
N	8.2	2.5	10.1	4.7	4.8	10.7	9.7	9.7
	-0.8	+1.1	40.8	+1.0	-0.4	+2.8	+6.3	
PC	89.9	94.8	99.6	104.5	109.4	114.3	119.2	124.1
N	8.8	3.9	11.3	7.2	6.2	15.3	13.4	13.4
S	13.7	4.0	20.5	10.3	10.2	22.1	20.2	20.2

cover cleanest Top of Froude 8" Low

3 1/2' in old stone drain 40' in old Froude. Top = 1.0 below paving
Water Main 5' E of El Ebens should be lowered 1.5' below paving

110.48 X

PC	107.50	105.47	103.44	101.41	99.38	97.35	95.32	93.29	91.26	89.23	87.20	85.17	83.14	81.11	79.08	77.05	75.02	72.99	70.96	68.93	66.90	64.87	62.84	60.81	58.78	56.75	54.72	52.69	50.66	48.63	46.60	44.57	42.54	40.51	38.48	36.45	34.42	32.39	30.36	28.33	26.30	24.27	22.24	20.21	18.18	16.15	14.12	12.09	10.06	8.03	6.00	3.97	1.94	-0.09	-2.12	-4.15	-6.18	-8.21	-10.24	-12.27	-14.30	-16.33	-18.36	-20.39	-22.42	-24.45	-26.48	-28.51	-30.54	-32.57	-34.60	-36.63	-38.66	-40.69	-42.72	-44.75	-46.78	-48.81	-50.84	-52.87	-54.90	-56.93	-58.96	-60.99	-63.02	-65.05	-67.08	-69.11	-71.14	-73.17	-75.20	-77.23	-79.26	-81.29	-83.32	-85.35	-87.38	-89.41	-91.44	-93.47	-95.50	-97.53	-99.56	-101.59	-103.62	-105.65	-107.68	-109.71	-111.74	-113.77	-115.80	-117.83	-119.86	-121.89	-123.92	-125.95	-127.98	-130.01	-132.04	-134.07	-136.10	-138.13	-140.16	-142.19	-144.22	-146.25	-148.28	-150.31	-152.34	-154.37	-156.40	-158.43	-160.46	-162.49	-164.52	-166.55	-168.58	-170.61	-172.64	-174.67	-176.70	-178.73	-180.76	-182.79	-184.82	-186.85	-188.88	-190.91	-192.94	-194.97	-197.00	-199.03	-201.06	-203.09	-205.12	-207.15	-209.18	-211.21	-213.24	-215.27	-217.30	-219.33	-221.36	-223.39	-225.42	-227.45	-229.48	-231.51	-233.54	-235.57	-237.60	-239.63	-241.66	-243.69	-245.72	-247.75	-249.78	-251.81	-253.84	-255.87	-257.90	-259.93	-261.96	-263.99	-266.02	-268.05	-270.08	-272.11	-274.14	-276.17	-278.20	-280.23	-282.26	-284.29	-286.32	-288.35	-290.38	-292.41	-294.44	-296.47	-298.50	-300.53	-302.56	-304.59	-306.62	-308.65	-310.68	-312.71	-314.74	-316.77	-318.80	-320.83	-322.86	-324.89	-326.92	-328.95	-330.98	-333.01	-335.04	-337.07	-339.10	-341.13	-343.16	-345.19	-347.22	-349.25	-351.28	-353.31	-355.34	-357.37	-359.40	-361.43	-363.46	-365.49	-367.52	-369.55	-371.58	-373.61	-375.64	-377.67	-379.70	-381.73	-383.76	-385.79	-387.82	-389.85	-391.88	-393.91	-395.94	-397.97	-400.00																																																																
S	4.98	4.61	4.24	3.87	3.50	3.13	2.76	2.39	2.02	1.65	1.28	0.91	0.54	0.17	-0.20	-0.57	-0.94	-1.31	-1.68	-2.05	-2.42	-2.79	-3.16	-3.53	-3.90	-4.27	-4.64	-5.01	-5.38	-5.75	-6.12	-6.49	-6.86	-7.23	-7.60	-7.97	-8.34	-8.71	-9.08	-9.45	-9.82	-10.19	-10.56	-10.93	-11.30	-11.67	-12.04	-12.41	-12.78	-13.15	-13.52	-13.89	-14.26	-14.63	-15.00	-15.37	-15.74	-16.11	-16.48	-16.85	-17.22	-17.59	-17.96	-18.33	-18.70	-19.07	-19.44	-19.81	-20.18	-20.55	-20.92	-21.29	-21.66	-22.03	-22.40	-22.77	-23.14	-23.51	-23.88	-24.25	-24.62	-24.99	-25.36	-25.73	-26.10	-26.47	-26.84	-27.21	-27.58	-27.95	-28.32	-28.69	-29.06	-29.43	-29.80	-30.17	-30.54	-30.91	-31.28	-31.65	-32.02	-32.39	-32.76	-33.13	-33.50	-33.87	-34.24	-34.61	-34.98	-35.35	-35.72	-36.09	-36.46	-36.83	-37.20	-37.57	-37.94	-38.31	-38.68	-39.05	-39.42	-39.79	-40.16	-40.53	-40.90	-41.27	-41.64	-42.01	-42.38	-42.75	-43.12	-43.49	-43.86	-44.23	-44.60	-44.97	-45.34	-45.71	-46.08	-46.45	-46.82	-47.19	-47.56	-47.93	-48.30	-48.67	-49.04	-49.41	-49.78	-50.15	-50.52	-50.89	-51.26	-51.63	-52.00	-52.37	-52.74	-53.11	-53.48	-53.85	-54.22	-54.59	-54.96	-55.33	-55.70	-56.07	-56.44	-56.81	-57.18	-57.55	-57.92	-58.29	-58.66	-59.03	-59.40	-59.77	-60.14	-60.51	-60.88	-61.25	-61.62	-61.99	-62.36	-62.73	-63.10	-63.47	-63.84	-64.21	-64.58	-64.95	-65.32	-65.69	-66.06	-66.43	-66.80	-67.17	-67.54	-67.91	-68.28	-68.65	-69.02	-69.39	-69.76	-70.13	-70.50	-70.87	-71.24	-71.61	-71.98	-72.35	-72.72	-73.09	-73.46	-73.83	-74.20	-74.57	-74.94	-75.31	-75.68	-76.05	-76.42	-76.79	-77.16	-77.53	-77.90	-78.27	-78.64	-79.01	-79.38	-79.75	-80.12	-80.49	-80.86	-81.23	-81.60	-81.97	-82.34	-82.71	-83.08	-83.45	-83.82	-84.19	-84.56	-84.93	-85.30	-85.67	-86.04	-86.41	-86.78	-87.15	-87.52	-87.89	-88.26	-88.63	-89.00	-89.37	-89.74	-90.11	-90.48	-90.85	-91.22	-91.59	-91.96	-92.33	-92.70	-93.07	-93.44	-93.81	-94.18	-94.55	-94.92	-95.29	-95.66	-96.03	-96.40	-96.77	-97.14	-97.51	-97.88	-98.25	-98.62	-98.99	-99.36	-99.73	-100.10	-100.47	-100.84	-101.21	-101.58	-101.95	-102.32	-102.69	-103.06	-103.43	-103.80	-104.17	-104.54	-104.91	-105.28	-105.65	-106.02	-106.39	-106.76	-107.13	-107.50	-107.87	-108.24	-108.61	-108.98	-109.35	-109.72	-110.09	-110.46	-110.83	-111.20

SARATOGA AVE 8" curb face
5" crown

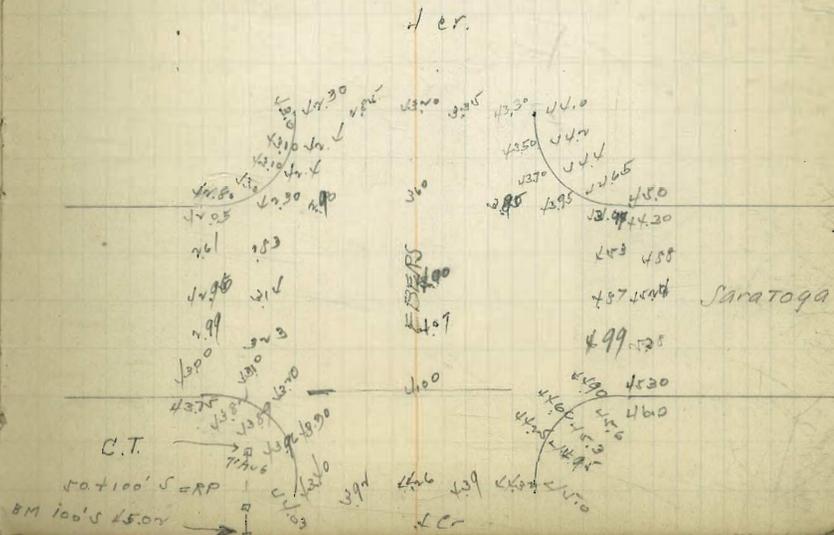
0+00 =			15.04
E.L. Sunset Cliff Blvd.	25.5	25.5	4.41
+50	27.05	26.98	79.45
	28.6	28.45	4.47
+50	30.13	29.93	44.95 = 3P
	31.68	31.44	1.75
+50	33.22	32.89	36.71
	34.77	34.37	0.05
+50	36.31	35.85	36.46
	37.86	37.32	10.45
+50	39.40	38.80	48.91
	40.95	40.28	0.00
+50	42.5	41.75	48.91
+97 = PC	43.95	42.80 = PC	19.64
SL = EC	44.0	43.0	61.05
" "	45.0	44.0	
0+08 = PC	46.0	45.0	

3.09%

2.956%

NWBP Saratoga + Defoe 24.98
Cuts = curb grade 37

S	25.5	27.0	28.6	30.1	31.7	33.2	34.8	36.3	37.9
	11.2	9.7	8.1	6.6	5.0	3.5	1.9	0.6	11.0
		8.7	8.4	6.6	5.0	3.1	1.1	12.4	9.0
		0.0	-0.3	0.0	-0.4	+0.2	+0.8	+1.2	27.4
N	11.0	27.0	28.4	29.9	31.4	32.9	34.4	35.8	37.3
		9.7	8.3	6.8	5.3	3.8	2.3	0.9	11.6
		10.1	8.0	7.6	5.6	4.1	2.6	0.7	11.3
		-0.6	-0.7	-0.8	-0.9	-0.9	-0.9	+0.2	40.2
S	39.6	41.0	42.5	43.8	46.0	PC	EL		
	0.5	7.9	6.4	5.1	3.9				
	2.0	6.1	4.7	3.6	0.8				
	+1.5	+1.8	+1.7	+1.5	+2.4				
N	38.8	40.3	41.7	43.0	44.0	"	"		
	10.1	8.6	7.2	5.9	3.9				
	0.3	0.3	0.2	0.9	0.8				
	+0.8	+0.8	+0.8	+0.6	+1.6				

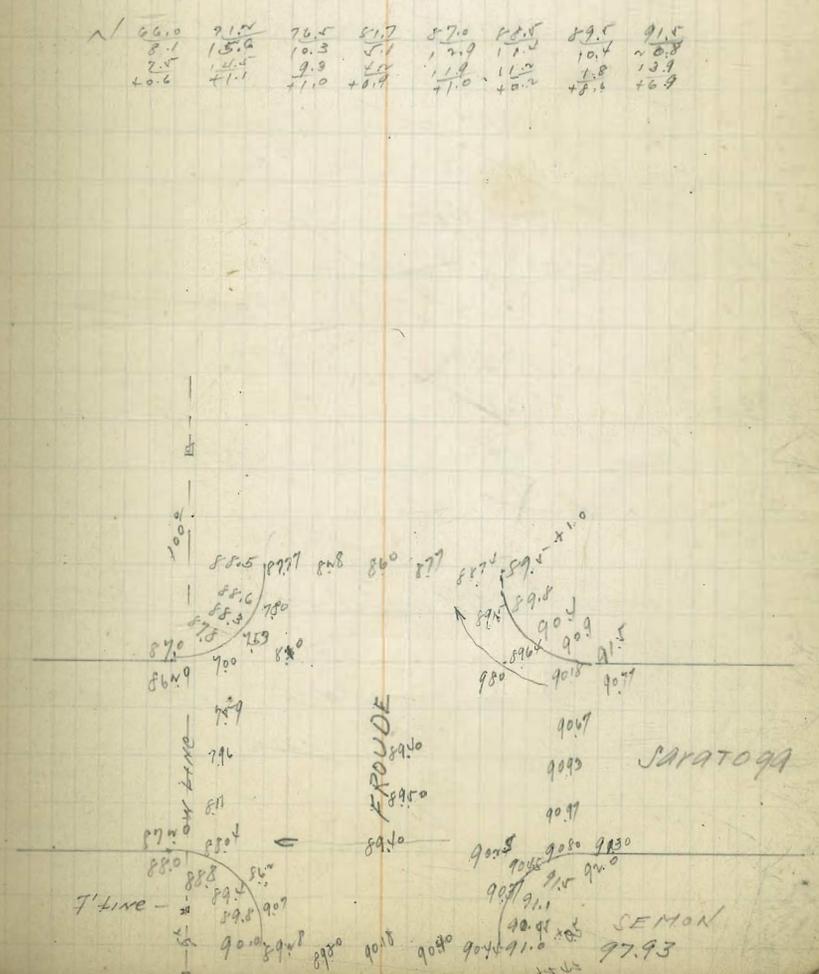


Saratoga Ave

ELEVATION	JCB	N/CB
0+08 = PC	46.0	45.0
+58.67	48.33	47.33
1+09.33	50.67	49.67
1+60 = BREAK	53.0	52.0
2+06.67	55.56	54.6
+53.33	58.13	57.2
3+00 = P.V.C.	60.70	59.80
+20	61.90	61.0
+40	63.30	62.3
+60	64.90	64.1
3+89 = E.V.C.	66.60	66.0
4+33	71.95	71.25
+86	77.3	76.50
5+39	82.65	81.75
+92 = P.C.	88.0	87.0
FRONDE ST. " "	90.0	88.5
" " "	91.0	89.5
0+08 = P.C.	92.0	91.50

NL = EC

Station	PC	PVI	PVC	EC	EL	PL
61.55	50.7	53.0	55.6	58.1	60.7	63.3
74.14	50.7	53.0	55.6	58.1	60.7	63.3
86.83	49.7	51.0	53.6	57.0	59.8	62.3
99.36	46.6	47.3	48.6	49.0	50.0	51.0
112.83	41.8	40.2	43.7	42.6	43.6	44.6



Saratoga Ave.

Froude = 00	506	1166
0+08 = PC	97.0	91.50
	95.76	95.21
	99.5	98.94
	103.28	102.63
✓ 51 ⁰⁰	107.04	106.84
✓ 01	110.8	110.05
6 10	114.56	113.76
7	118.32	117.47
8	122.08	121.18
9	125.84	124.89
10 ✓ + 140 = BREAK	129.60	128.60
✓ + 40 "	131.30	130.40
✓ + 60 "	133.80	133.0
✓ + 92 = PC	138.0	137.50
GUIZOT SL = EC	140.0	139.0
ST. " " = 0400		
0+08 PC		
0+60 on 11 or + 6 = BREAK		146.90 = EXISTING CURT

see page 31 for sketch
of Saratoga + GUIZOT

39

117.33	95.7	99.5	103.3	107.0	110.5	114.5	118.9	122.1
117.33	16.6	17.8	19.0	20.3	21.2	22.5	23.7	24.9
12.69	9.6	7.7	4.6	2.3	14.2	9.7	6.7	2.1
125.07	47.0	45.1	46.4	43.0	41.5	40.8	40.9	41.6
142.07	95.4	98.9	102.6	106.3	110.0	113.7	117.5	121.2
138.07	17.1	15.4	9.7	6.0	2.3	11.3	7.5	3.3
143	9.9	6.8	4.6	3.7	2.1	11.1	8.3	3.8
146.62	47.9	46.6	45.1	43.3	41.7	40.2	38.8	37.0
142.72	125.8	129.6	131.2	133.8	138.0	140.0 = CC		
4.9	17.3	8.5	6.6	4.3	6.7	7.1		
139.82	47.1	42.9	42.9	41.1	41.2	48.3	0.894 = cont	
	124.9	128.6	130.4	133.0	137.50	139.0		
	13.2	9.5	7.7	4.1	7.4	5.7		
	12.5	8.2	4.8	2.0	6.5			
	40.7	40.3	43.2	43.1	40.7			

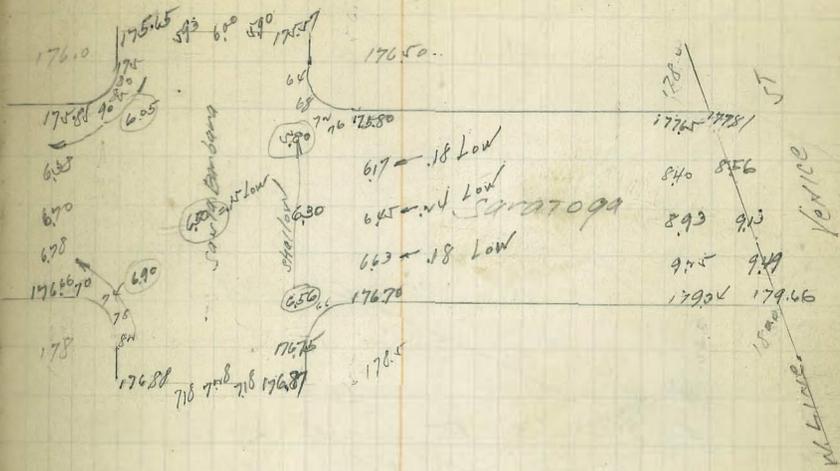
Saratoga Ave.
at Santa Barbara

13983. \rightarrow Top curb
 60 BARK 1469
 EXISTING CURB
 Venice ST
 16960
 16972
 17147
 17264
 17387
 17432
 17460
 17490
 17500

GUIZOT
 see page 31
 Curbs to be removed

1650
 1670
 16870
 17010
 17160
 17240
 17390
 1740
 17450
 30' BREAKS

8" curb face
 5" crown

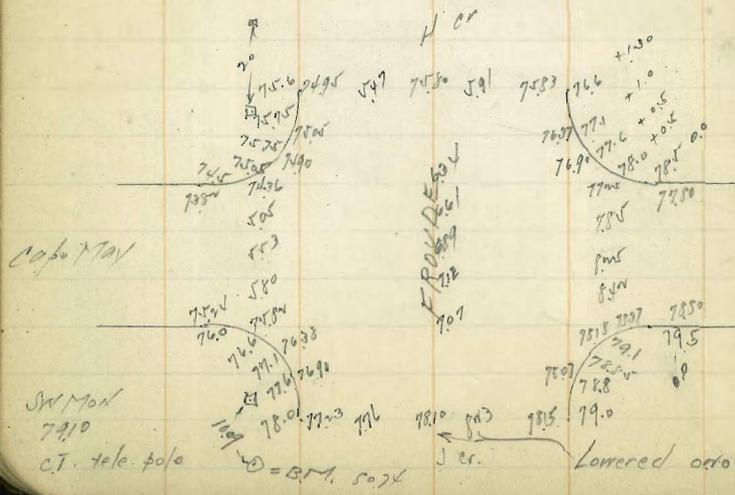


Cape May Ave

	S c6	N c6
1780 = EVC	45.0	44.5
1	48.87	48.5
2	52.75	52.0
3	56.62	55.75
4 51.5	60.50	59.50
5	64.37	63.25
6	68.25	67.0
7	72.12	70.75
$C = 5 + 91 = EC$	76.0	74.5
FROUDE SL = EC	78.0	75.6
SL = EC	79.0	76.60
$0 + 08 = FC$	79.5	78.5

92.63
17.89
80.74 = C.T. in pole SW Cor Cape May + Froude
0.08
80.82
13.10
67.72
68.53
12.80
55.93
0.46
56.39

	EVC									
S	45.0	45.9	52.7	56.6	60.5	64.4	68.3	72.1	76.0 = FC	
	10.9	7.0	15.5	17.6	7.7	14.5	12.6	8.7	4.8	
	9.3	2.0	14.8	10.3	5.4	13.5	10.2	4.0	3.0	
	+1.6	0.0	+0.7	7.3	+2.4	+2.9	+2.8	+4.5	+2.8	
N	44.5	48.2	52.0	55.7	59.5	63.2	67.0	70.7	74.5	
	11.4	7.7	3.9	10.5	8.7	5.0	13.8	10.1	6.3	
	9.9	6.0	2.8	10.1	7.8	6.1	12.4	7.9	5.3	
	+1.0	+1.3	+1.1	+0.2	+0.9	+0.9	+1.4	+2.2	+1.0	
S	78.0 = EC		79.0 = EC							
	2.8		10.6							
	1.3		11.5							
	+1.5									
N	75.6		76.6							
	5.0		17.0							
	4.9		17.5							
	+0.3									



Cape May Ave

Frodoe = 0+00	S 06	N 06
0+08 = PL	79.5	78.5
	83.08	82.08
	86.67	85.67
55.33 ⑥ T. Mes.	90.2	89.2
	93.83	92.83
	97.41	96.40
b = 5+40 = BREAK	101.04	100.04
+90	105.04	104.04
4+40 = BREAK	109.04	108.04
+90	114.04	113.04
5+40 BREAK	119.04	118.04
5 490 = PL	125.0	124.5
Guizot SL = EC	127.0	126.0
SL = EC	128.0	127.0
EL of Guizot = 0+00	128.30	127.90
E.L. + 16 = R.R.	129.8	128.8

See page 36 for intersection
of Cape May + Guizot

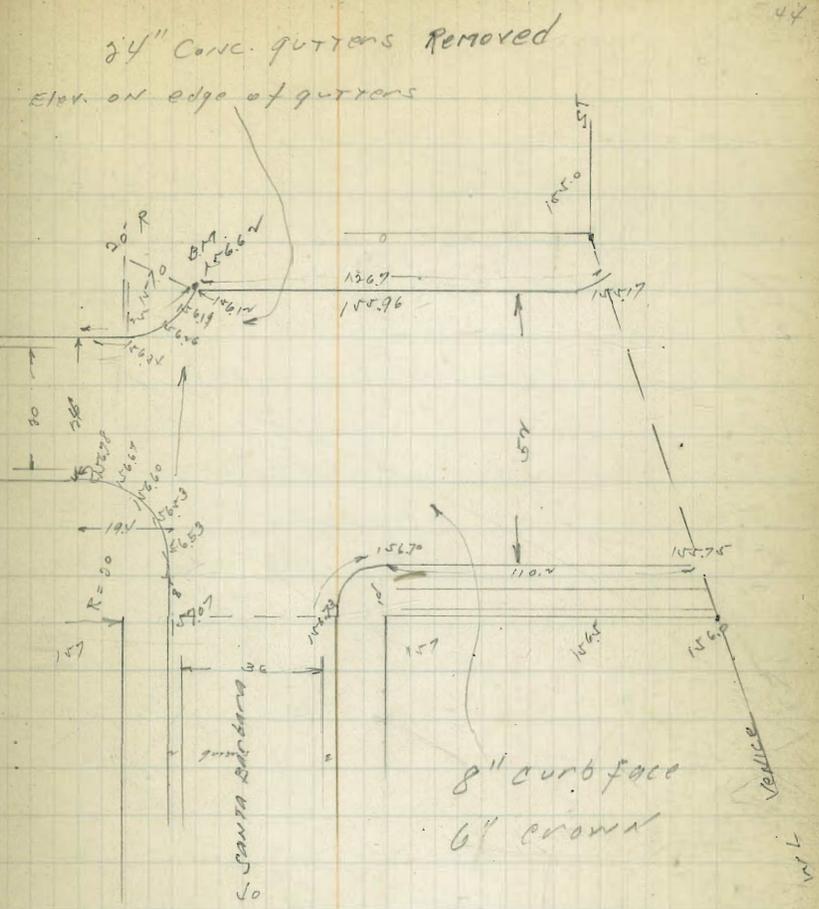
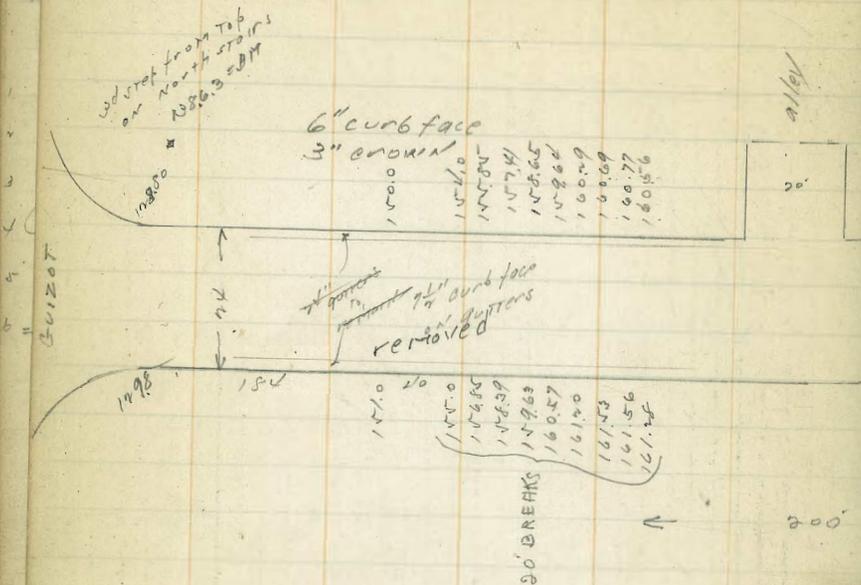
120.05	0.51									
130.56										
14.98										
117.78										
2.17										
117.78	S	78.5	83.1	86.7	90.2	93.8	97.4	101.0	105.0	109.0
12.05		14.1	10.5	6.9	3.4	12.4	8.6	14.9	12.9	8.9
105.70		4.5	4.5	5.2	4.0	15.2	11.5	12.5	10.7	6.7
0.35		+9.6	+6.0	+2.4	-0.6	-1.0	+2.5	+8.7	+0.7	+2.5
106.05										
12.89	N	78.5	82.1	85.7	89.2	92.8	96.4	100.0	104.0	108.0
43.16		15.1	11.5	7.9	4.4	13.7	9.6	5.0	13.9	9.9
0.47		10.4	7.3	3.1	0.7	11.3	6.8	2.5	14.1	10.0
93.63		+6.6	+4.4	-1.4	+1.7	+1.9	+1.2	+0.5	+0.4	+0.7

Cuts and

43

S	114.0	119.0	125.0	127.0 = 2006
	3.9	11.6	5.6	3.4
	+2.9	5.4	+2.9	
N	113.0	118.0	124.5	126.0 = 2000
	4.9	12.6	6.1	3.6
	+0.1	+2.4	+1.9	

Cape May Ave
 Guizot to Venice



3/4" Conc. gutters Removed
 Elev. on edge of gutters

STORM DRAIN 4' N of Cape May Ave. South side

Station	EN. FL.	Notes	Calculations
EL Bacon = inlet = 0+00	0.00		
0+14 JUNCTION #12	-0.05	ab inlet	676 258 1134 278 8.56 2.83 11.39
0+48 " inlet #13	-0.15		
0+60 = clean out #2 = WL	-0.20	+7.0'	11.66 4.26 7.40
1	-0.34		11.84 4.26 7.58
+50	-0.48		11.98 4.09 7.89
2	-0.64		12.14 3.83 8.31
+50	-0.80		12.30 3.77 8.53
3	-0.96		12.46 3.50 8.96
+50	-1.12		12.62 3.22 9.40
4	-1.28		12.78 3.18 9.60
+50	-1.44		12.94 3.03 9.91
5	-1.60		13.10 2.86 10.24
+50	-1.76		13.26 2.78 10.56
6	-1.92		13.42 2.64 10.96
+60 = EL ABBOTT = cleanout #3	-2.11		13.50 2.60 11.09
7 +20 = WL ABBOTT	-2.30		13.69 2.60 11.09
+50	-2.40		13.84 2.50 11.34
8	-2.56		14.11 2.21 11.90
+50	-2.72		14.27 2.18 12.09
9	-2.88		14.43 2.18 12.25
+50	-3.04		14.59 2.18 12.41
10	-3.20		14.75 2.18 12.57
+50	-3.36		14.91 2.18 12.73
11	-3.52		15.07 2.18 12.89

cuts 15' S of # of drain

889 NW ABBOTT Cape May 45

Station	FL. elev.	Notes	Calculations
11+50	-3.68		15.07 1.41 13.66
12	-3.84		15.23 1.45 13.78
+45.1 = outlet	-4.00		15.39 1.46 13.93

cb inlet #10 NE Cor. Cape May + Bacon	FL = 1.00
" " #11 SE " " " "	" " = 0.00
" " #12 " " " "	" " = 0.50
#12 JUNCTION WITH DRAIN	= -0.05
" " #13 SW Cor	" = 0.60
#13 " " = CULV. #12	= -0.15

CR #10	#11	#12	#13	Notes
1.00	0.00	0.50	0.60	-0.20 = cleanout #2
12.84	11.34	10.84	10.74	
4.26	4.09	4.18	4.53	
+7.97	+7.25	+6.66	+6.27	

Brighton Ave Grades 3' obs

5" cr.

	5' d	N. 06
EL GUILLOT = 00	107.0	106.0
+155	110.6	110.8
1 +10 = BREAK	116.5	114.9
+30 "	117.9	116.4
1 +150 "	119.5	117.5
+75 = end of curve side	120.9	119.5
		121.0
+40.8 =		123.85
5 +90 = PVC	147.4	147.45
6 +10	148.6	148.47
+30	149.5	149.40
+50	150.1	150.03
6 +70 = VC	150.4	150.36
7 +37 = NL VENICE ST	151.0	151.0

116.70
118.21
119.67 N.S.
N. H. 90' / 10' N.S.
46.80%
end curve on N side

profile says 29.2 between curves about up!

High St Grades
Guizot to Venice

6" cb. 91.43
3" cr.

	5 c6	N c6
El Guizot = 0+00	79.0	78.0
0+50		
1 -		
+50		
2		
+40.8 = BREAK	106.04	105.06
59.9	106.75	105.74
2 + 44.7 = "	114.54	111.54
3 + 48.6 = " = PVC	118.61	117.61
+73.6 = "	120.93	119.93
3 + 75.6 = " = PVC	122.21	121.21
4 + 73.6 = " = PVC	122.53	121.53
4 + 48.6 = "	121.84	120.84
7 + 35.6 = WF Venice	107.75	106.75

See sketch p 31

5# 7' Tack Long Branch + Guizot Cuts
5# 7' Tack 174.14 + Guizot = 79.20 to curb grade 43

79.00							
10.99	8 79.0	80.7	90.8	96.1	101.9	106.84	c6
91.97		7.3	11.4	5.7	13.8	9.24	
0.10		3.6	11.5	6.0	10.9	9.67	Low
91.89		10.7	10.9	1.9	4.9	0.43	
10.29		2.3	1.6	1.0	1.4	0.43	
106.75	N 78.0	83.7	89.4	95.1	100.9	105.84	c6
17.6		5.3	5.6	9.5	3.9	10.24	
123.04		0.7	1.2	0.3	3.8	10.63	Low
10.27		12.6	11.4	1.4	1.6	0.39	
115.69		1.2	1.6	0.7	0.4	0.39	

Cape May Ave
STORM DRAIN

15' offset to South

No Plug
No Bacon
Cape May

	F.L.		
0+00 = W/L Bacon	+1.80	10.35 5.51 +5.00	276 4.19 1.14 3.87 8.34 3.16 1.00
0+40	1.70	10.45 5.00 +5.23	
0+90	1.57	10.58 5.00 +5.58	
1+40	1.44	10.70 4.89 +5.81	
1+90	1.32	10.83 4.63 +6.20	
2+40	1.20	10.95 4.53 +6.42	
+90	1.07	11.08 4.40 +6.68	
3+40	0.95	11.40 4.21 +7.19	
+90	0.82	11.33 4.14 +7.19	
4+40	0.70	11.45 4.05 +7.40	
+90	0.57	11.58 3.98 +7.60	
5+40	0.45	11.70 3.89 +7.81	
6+00 = EL Abbott	0.30	11.85 3.81 +8.04	
+60 = W/L "	+0.15	11.95 3.73 +8.22	
6+90	+0.07	11.93 3.69 +8.24	
7+40	-0.05	12.05 3.61 +8.44	
+90	-0.17	12.17 3.53 +8.64	
8+40	-0.30	12.20 3.45 +8.75	
+90	-0.42	12.44 3.30 +9.14	
9+40	-0.55	12.55 3.22 +9.33	
+90	-0.67	12.67 3.14 +9.53	
10+40	-0.80	12.80 3.06 +9.74	
+90	-0.92	12.92 2.98 +9.94	
11+20 = OUTLET	-1.00	13.00 2.90 +10.10	

0.25%

Moore
3/28

Woodman Ave Slope + Nelson

85.00
1537
56.81
12.40
74.41
70.11
78.54

5.06			1106
80.5	84.8	84.8	84.5
84.7			81.94
79.9			79.38
77.1	profile		76.84
	N.G.		
74.3			74.26
71.4	71.8	71.0	71.7
69.0	68.6	68.0	69.0

5 1/2 times

5 1/2 times

6 = 3+95 PVC
+55
+75
+95
4 + 15
+55
+75
4 + 95 EVC

5 1/2 times

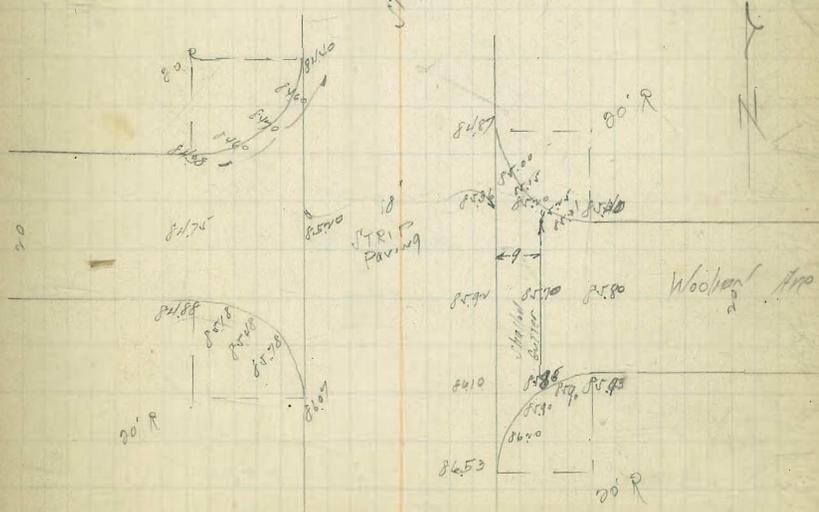
N.G. on profile figured

4 1/4

48.0	47.6	47.3	48.0	48.0	47.9
46.0	45.6	45.3		46.8	46.8
45.8	45.4			45.7	45.0
44.8	44.4			44.6	44.0
44.1	43.7			44.0	43.7
43.4	43.0			43.6	43.1
43.0	42.6			42.9	42.0
42.7	42.3			42.6	42.5
42.4	42.0	42.0	42.4	42.4	42.0
42.0	41.6	41.6			
41.6					
41.3					
40.8					

CUTS to curb grade
PVI = 46.74 = Δ west end of wall

		Woodman									
		EL 17	SL	SL	WL 12210						
5	86.5	85.5	80.7	79.9	77.1	74.3	71.5	71.0	70.0	69.0	
	0.0	1.3	4.1	6.9	9.7	12.5	15.3	15.8	16.8	17.8	
	2.1	2.4	5.0	7.6	10.1	12.6	15.1	15.6	16.6	17.6	
	-2.1	-1.1	-1.1	-0.5	+0.6	+2.1	+2.7	+3.2	+3.2	+3.2	
2		84.5	81.9	79.4	76.8	74.3	71.7			69.0	
		2.0	0.0	7.4	7.6	10.1	12.6			17.8	
		3.9	6.3	9.0	10.1	12.1	14.6			17.8	
		-7.0	-0.6	-0.6	-0.1	+0.1	+0.5			-0.3	
3	85.5	82.0	78.5	75.0	71.5	68.0	64.0	60.0	56.0	52.0	48.0
	0.0	12.5	15.0	7.5	11.0	13.5	13.0	12.0	11.0	10.0	9.0
	4.1	2.6	13.3	2.8	12.0	12.0	12.0	12.0	12.0	12.0	12.0
	+3.9	+3.9	+6.7	+0.0	+0.0	+1.5	+2.1	+2.0	+2.0	+2.0	+1.9
4	9.0	12.5	15.5	18.0	21.5	25.0	28.0	31.0	34.0	37.0	40.0
	2.1	12.5	4.0	7.5	11.0	14.5	18.0	21.0	24.0	27.0	30.0
	-0.1	-0.3	-0.1	-0.4	-0.3	-0.6	-0.6	-0.6	-0.6	-0.6	-0.6
5	43.0	42.7	42.4	42.0	41.6	41.2	40.8				
	0.5	7.1	7.4	7.9	8.4	8.9	9.4				
	0.1	0.1	0.2	2.4	2.6	2.8	3.0				
	+7.9	+1.0	+0.4	+0.4	+0.6	+0.9	+0.3				
2	43.0	42.7	42.4	42.0	41.6	41.2	40.8				
	0.5	7.1	7.4	7.9	8.4	8.9	9.4				
	1.5	6.8	2.0	2.4	2.9	3.4	3.9				
	-7.9	+0.3	+0.4	+0.3	+0.7	+0.8	+0.4				



Woolman Ave

17.4/7
6.70
38.64
3.61
4.04
4.24
37.83
4.92
43.75
4.24 = about
4.63
48.07
44.43 = 517.80
12.20
55.18
0.22
54.96
11.24
66.05

✓
110.46
110.08
89.70
39.31
38.90
38.54
38.15
37.77

In 20' = 0.1

17+35 = BREAK

17+96.03 = EL V 1/2 Ave

13+26.03 = W/L " "

1900's times

15+22.93 = EL San Miguel

15+73.0 = W/L " "

580'

18+13.8 = BREAK

17.0's
6 times

37.0 36.3 36.3 37.0
37.5 37.13
38.0 37.63
39.14
40.54
41.37
42.5 41.3 41.3 42.5 43.0 = W/L Return
44.0 43.63 43.63 44.0 43.5 = W/L Return
46.2
48.5
50.6
52.8
55.0 54.63 54.63 55.0
56.5
58.0
59.5

317 = 37.33 107 RP N of NL Woolman EL V 1/2 Lane
BP 11 = 44.43 BP EAST of N wall 100' E San Miguel

S 40.5 40.1 39.7 39.3 38.9 38.5 38.1 37.8 37.4 37.0
4.9 5.3 5.7 6.1 6.5 6.9 7.3 7.6 8.0 37.0
4.6 5.1 5.4 5.8 6.2 6.6 7.0 7.4 7.8 5.0
40.3 +0.2 40.3 +0.2 40.3 +0.1 40.3 +0.1 40.3 +0.1 40.3 +0.1 40.3 +0.1 40.3 +0.1 40.3 +0.1 40.3 +0.1

S 37.5 38.0 39.1 40.2 41.4 42.5 43.6 44.7 45.8 47.0
6.4 5.9 4.6 3.4 2.3 1.2 0.1 -0.8 -1.6 -2.6
3.0 2.1 1.1 0.1 1.3 2.5 3.7 4.9 6.1 7.3
4.0 4.0 4.0 4.0 4.0 4.0 4.0 4.0 4.0 4.0

S 46.2 48.4 50.6 52.8 55.0 57.2 59.4 61.6 63.8 66.0
9.0 6.8 4.6 2.4 0.2 -1.8 -3.6 -5.4 -7.2 -9.0
11.8 8.3 5.8 3.3 0.8 -1.2 -3.0 -4.8 -6.6 -8.4
4.0 4.0 4.0 4.0 4.0 4.0 4.0 4.0 4.0 4.0

N 6.2 5.7 4.6 3.5 2.3 1.1 0.0 -1.1 -2.2 -3.3
1.8 0.0 -0.9 -1.7 -2.5 -3.3 -4.1 -4.9 -5.7 -6.5
4.0 4.0 4.0 4.0 4.0 4.0 4.0 4.0 4.0 4.0

N 46.2 48.4 50.6 52.8 55.0 57.2 59.4 61.6 63.8 66.0
9.0 6.8 4.6 2.4 0.2 -1.8 -3.6 -5.4 -7.2 -9.0
11.8 8.3 5.8 3.3 0.8 -1.2 -3.0 -4.8 -6.6 -8.4
4.0 4.0 4.0 4.0 4.0 4.0 4.0 4.0 4.0 4.0

N 46.2 48.4 50.6 52.8 55.0 57.2 59.4 61.6 63.8 66.0
9.0 6.8 4.6 2.4 0.2 -1.8 -3.6 -5.4 -7.2 -9.0
11.8 8.3 5.8 3.3 0.8 -1.2 -3.0 -4.8 -6.6 -8.4
4.0 4.0 4.0 4.0 4.0 4.0 4.0 4.0 4.0 4.0

N 46.2 48.4 50.6 52.8 55.0 57.2 59.4 61.6 63.8 66.0
9.0 6.8 4.6 2.4 0.2 -1.8 -3.6 -5.4 -7.2 -9.0
11.8 8.3 5.8 3.3 0.8 -1.2 -3.0 -4.8 -6.6 -8.4
4.0 4.0 4.0 4.0 4.0 4.0 4.0 4.0 4.0 4.0

Woolman Ave

	506			N 06
17.08	61.0			
	64.5			
EL CUYAMACA	64.0	63.3	63.3	64.0
WK "	65.5	65.3	65.3	65.5
	66.5			
53.94	67.5			
= Boundary ST.	68.5	68.0	68.0	68.5

Culvert #1

	Curb grade		FL grade	
	E end	W end	E end	W end
Curb inlet #1 no opening	43.4	43.0	38.0	38.0
	+0.35	+0.75		
" " #2 " " #1 =	6.15	6.75	27.2	27.2
	+0.00	-0.00		
Outlet Culv. #1	6.35	6.75	27.0	27.0
	+0.39	+0.18		
	+0.26	+0.57		

Retaining wall

EN. Top wall	
E end.	W end
43.69	43.74
6.06	7.01
6.00	6.85
+0.00	+0.06
Bottom wall	
31.0	33.0
14.75	16.75

Cuts to curb grade

B.M.O.T. = 68.47 @ Woolman + City Line

66.08							
1.91							
64.17							
11.04							
75.19	S	61.0	64.17	64.0		65.5	66.5
6.34		5.1	3.6	3.1		0.6	0.7
65.47		8.7	7.7	5.1		2.1	2.5
		-3.6	-4.1	-3.0		-1.5	+0.2
					Return	return	
	N	61.0	62.5	64.0	62.5	65.5	66.5
		5.1	11.2	11.0	10.7	7.7	8.7
		8.7	11.6	10.0	10.2	2.3	0.0
		+1.2	4.6	4.8	+0.3	4.5	+6.9
	S	67.5	68.5	= paving	67.8 =	J E Cor = 4.0	
		7.7	0.7		7.2		
		6.3			5.7		
		+1.2			+1.7		
	N	67.5	68.5 =				
		7.7	6.7				
		6.3					
		+1.2					

Woolman Ave

37.83 = 2M
5.9
43.75

56

Culvert # 2

F.L.

Curb inlet # 3

Junction Storm Drain # 1

31.5
+ 0.5 = 32.0

South side

" " # 4

32.0
+ 0.5 = 32.5

North "

E end

W end

Top curb elev.

37.07	37.08 = NL
0.68	0.67
0.20	0.20
-0.5	+0.08
37.07	37.08 = SL
0.68	0.67
0.20	0.20
+0.07	0.20

11.75
+ 5.89 = FL

STORM DRAIN # 2

FL

13.75 T

Junction with Culvert # 2

31.50 = + 1.05 E of grade

17.5

4 TIMES

30.50
+ 0.30 = 30.80

30.10

29.40

28.70

28.50

13.65
0.65
0.20
13.05
2.55
+ 1.05
15.65
1.15
+ 1.03

4 = angles

= outlet thru existing wall

Culvert # 3

F.L.

13.75 T

Curb inlet # 5

outlet thru existing wall

Top curb

W end	4.9	E end
12.06		11.80
1.88		1.75
0.20		0.20
-0.5		-0.6

= N side Woolman

Culvert # 4

F.L.

Curb inlet # 6

outlet thru existing wall

Top curb

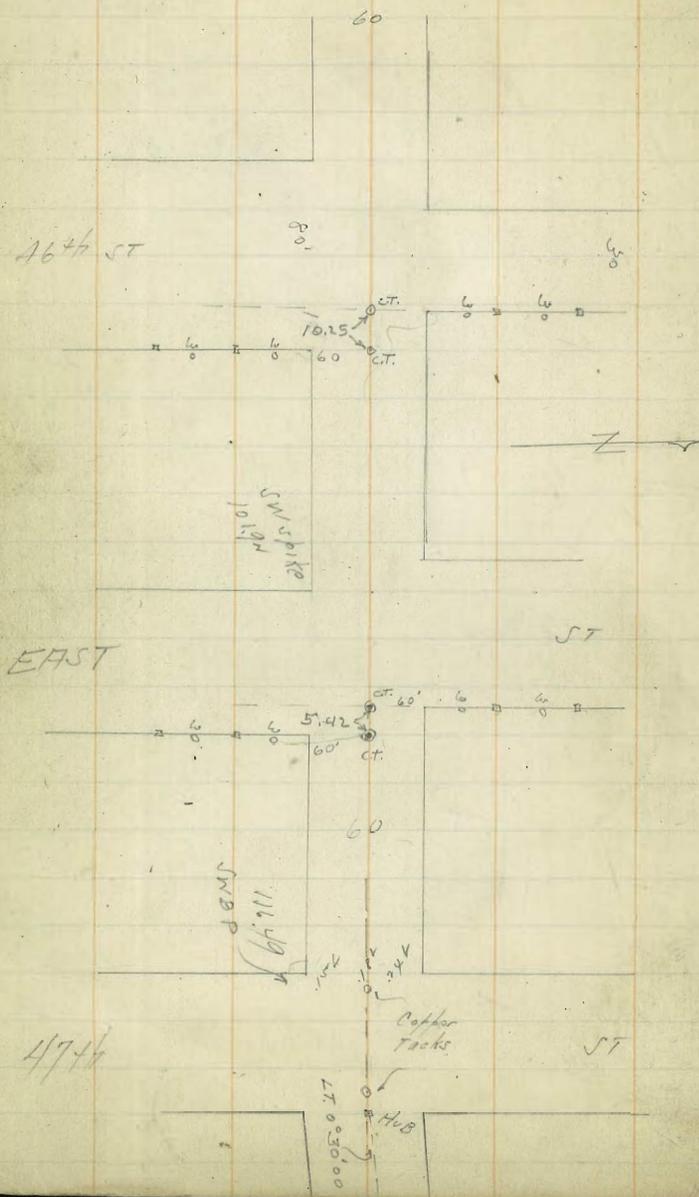
W end	4.9	E end
11.06		11.00
1.88		1.75
0.20		0.20
+0.65		+0.2

= S side Woolman

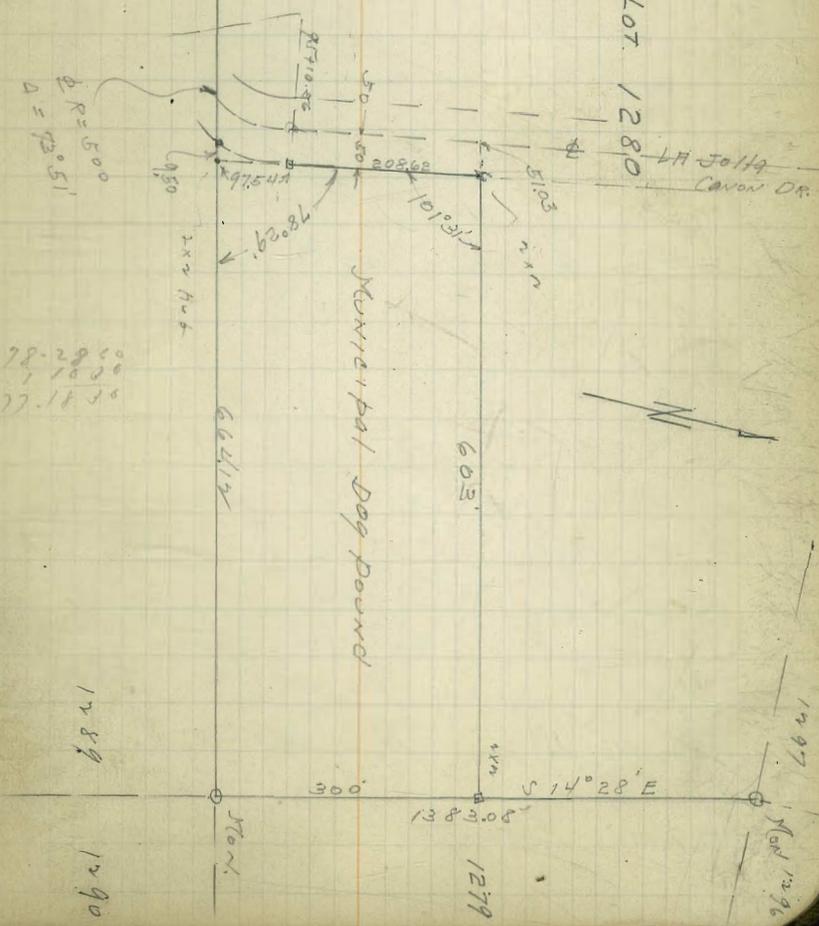
50.4
1.4
62.02

20

Woolman Ave TIP OUTS



MHP #4625
 See Williams' MAP of
 City Lands N of River
 SURVEY FOR 8/24/28
 DOG POUND MOORE
 Approx. 4.5 Acres - TOTAL
 " S 1/2 = BOTTOM LAND
 " N 1/2 = Hill "



78-2860
 1-1838
 77-1836

Mon 11/19/08

AUBURN DRIVE

6" curb face
4" crown

6' offset to North

Sewer MAIN F.L.

0+00 = M.H. #1

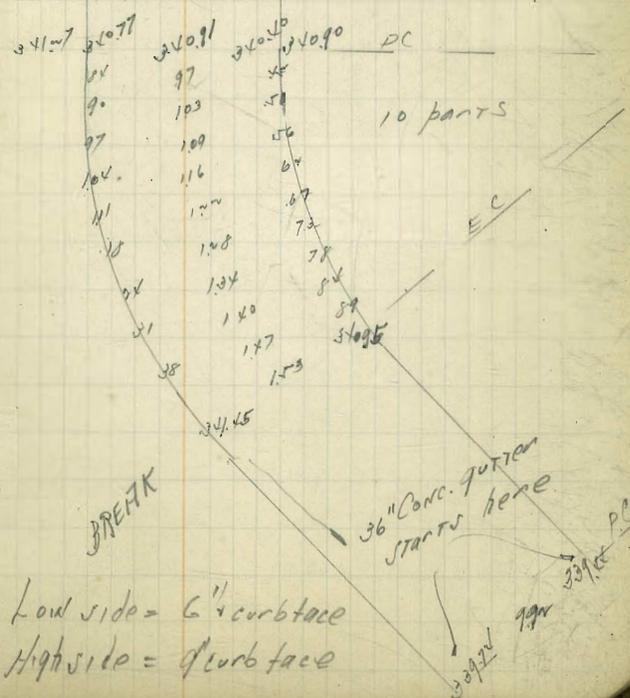
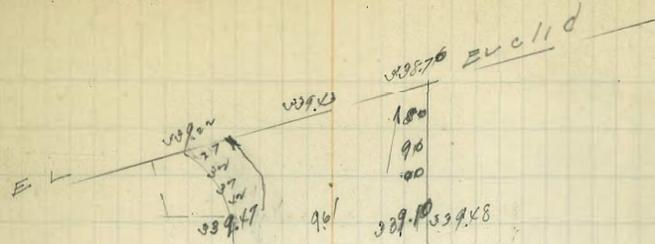
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100

1+795 = DE

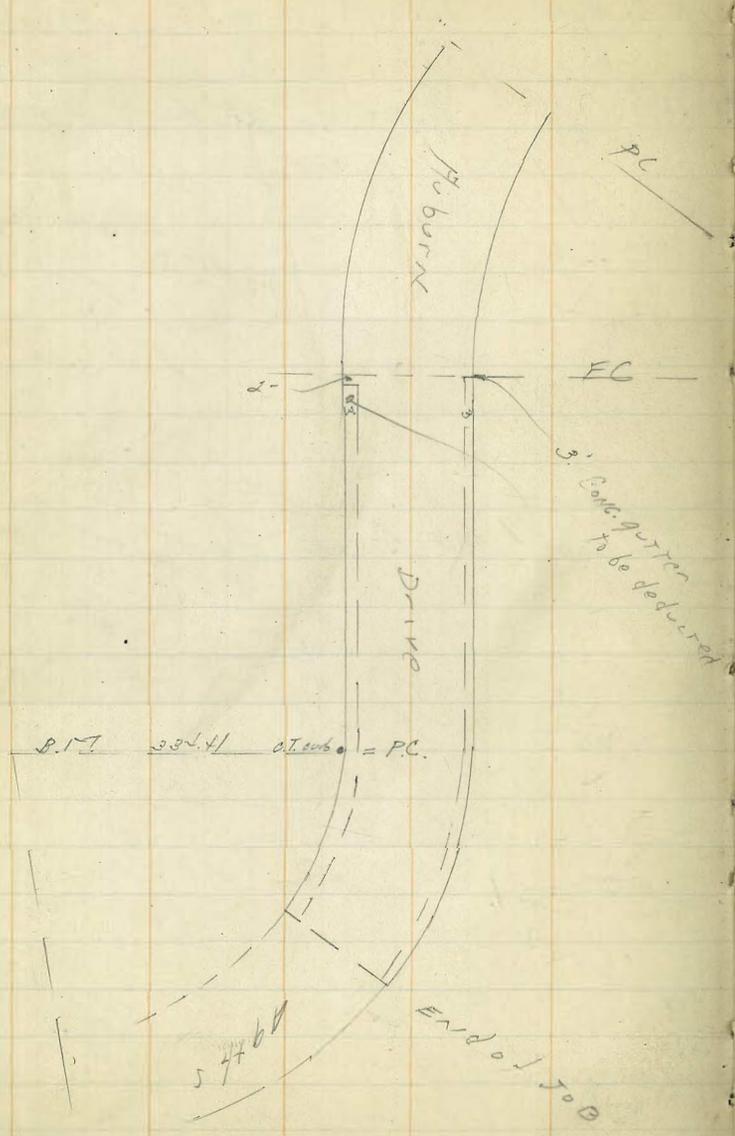
370.0	1.60 7.98 4.86	1.40 10.70	371.63 10.79 372.44 0.81 373.25 19.67 374.17 19.67 375.04 19.67 375.91 19.67 376.78 19.67 377.65 19.67 378.52 19.67 379.39 19.67 380.26 19.67
375.0	1.60 7.98 4.86	1.40 10.70	376.63 10.79 377.44 0.81 378.25 19.67 379.17 19.67 380.04 19.67 380.91 19.67 381.78 19.67 382.65 19.67 383.52 19.67 384.39 19.67 385.26 19.67
377.5	1.60 7.98 4.86	1.40 10.70	381.63 10.79 382.44 0.81 383.25 19.67 384.17 19.67 385.04 19.67 385.91 19.67 386.78 19.67 387.65 19.67 388.52 19.67 389.39 19.67 390.26 19.67
380.0	1.60 7.98 4.86	1.40 10.70	386.63 10.79 387.44 0.81 388.25 19.67 389.17 19.67 390.04 19.67 390.91 19.67 391.78 19.67 392.65 19.67 393.52 19.67 394.39 19.67 395.26 19.67

CONTRACTOR HARRIS, O.H.

59



Auburn Drive



27 + 4

ST

60

	155.10				155.70	
P.V.C.	171.030	171.65	23	70.59	9.3	170.65 171.30 -
1	171.40	171.75	33	22.69	1.82	172.15 172.60
2	171.90	172.25	37.33	24.19	4.32	174.26 174.90
3	174.70	174.95	40.3	4.49	5.13	175.14 175.70
4	175.0	174.30	4.93	5.29	6.48	175.3 176.0
5	174.80	174.15	4.73	5.09	5.23	175.15 175.80
6	174.0	173.25	39.3	4.29	4.43	174.3 175.0
7 change	172.60	171.95	2.53	2.89	3.03	172.95 173.60
F change	170.60	169.85	70.45	76.24	9.00	170.8 171.60
8	168.10	167.45	80.3	8.54	8.53	168.1 169.10
10 F.V.C.	164.90	164.25	4.43	5.19	5.33	164.2 164.90

G ST
paving
grades

P.V.C.	131.70	130.85	41.3	1.49	1.63	131.55 132.20
1	128.10	127.45	80.3	8.34	8.53	128.15 129.70
2	125.70	125.05	46.3	5.99	6.12	126.05 126.70
3	123.80	123.15	33.3	4.09	4.23	124.1 124.80
4	122.60	121.95	35.3	2.89	3.03	122.95 123.60
F.V.C. & INLET	122.0	121.00	1.88	1.94	2.08	122.00 123.0 = Φ INLET
5	122.0	121.35	1.80	2.24	2.35	122.25 123.0 change

28 + 6

ST

Boundary + Works Paving

SE Adams + Boundary

Cuts to curb grade

S/L Works

W CB	E CB
386.40	386.80
386.95	387.30
387.50	387.80
388.05	388.30
388.60	388.80
389.15	389.30
389.70	389.80
390.25	390.30
390.80	390.80

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99
100

0 = N/L Adams

W 16.4	16.9	17.5	18.0	18.6	19.1	19.7	20.2	20.80
8.1	7.6	7.0	6.5	5.9	5.4	4.8	4.3	✓
✓	N/L	1.7	1.8	1.2	0.8	0.4	0.2	
E 16.8	17.30	17.8	18.3	18.8	19.3	19.8	20.3	20.80
7.7	7.2	6.7	6.2	5.7	5.2	4.7	4.2	✓
	1.1	0.6	0.4	0.1	0.5	0.5	0.4	

Works Ave
0' C.I.



Boundary ST

Boundary
JES Adams
B.M. 390.96
4.0
395.36
6.24
389.12 = NE C. Tech
4.64
393.76

Cuts to curb grade

	W CB	E CB
1	391.0	390.90
2	390.91	390.70
3	390.80	390.57
4	390.72	390.48
5	390.65	390.39
6	390.56	390.16
7	390.47	390.03
8	390.38	389.90
9	390.29	389.77
10	390.20	389.64
11	390.11	389.51
12	389.93	389.38
13	389.75	389.25
14	389.53	389.10
15	389.26	388.81
16	389.0	388.53
17	388.67	388.25
18	388.33	387.97
19	388.0	387.69
20	387.66	387.41
21	387.33	387.13
22	387.0	386.85
23	386.68	386.57
24	386.35	386.29

angle = 111.10°
58 TWICE
NL Madison
1000 U.L. "
1308 TWICE
26.17
ILLINOIS ST
50.9m
8 TIMES
So. Line LOT 3
DIX 61 U.H.

52.6 12/10/11
13.03

W	21.0	20.9	20.5	20.7	20.6	20.5	20.5	20.4	20.2
	4.7	4.4	7.6	4.7	4.8	4.9	4.9	5.0	5.1
	-0.3	5.1	5.0	5.0	4.9	4.8	4.7	5.0	5.7
		-0.6	-0.4	-0.3	-0.1	+0.1	+0.2	0.0	-0.6
E	20.9	20.7	20.6	20.4	20.3	20.2	20.0	19.9	19.8
	4.5	4.7	4.3	4.0	4.1	4.2	4.4	4.4	4.6
	4.5	4.5	4.4	4.0	4.0	4.1	4.1	4.0	4.0
	+0.2	+0.2	-0.1	+0.1	+0.1	+0.1	+0.3	+0.3	+0.4
W	20.2	20.1	19.9	19.7	19.5	19.3	19.0	18.7	18.5
	5.2	5.3	5.5	5.0	4.3	4.5	4.8	5.1	5.6
	5.8	6.0	6.4	5.0	4.9	5.5	5.6	5.7	5.7
	-0.6	-0.9	-0.9	0.0	+0.1	-1.0	-0.8	-0.6	-0.6
E	19.6	19.5	19.4	19.2	19.1	18.8	18.5	18.2	18.0
	5.8	5.7	5.4	5.0	4.7	4.0	4.3	4.0	4.0
	5.6	5.7	5.4	5.0	4.7	4.0	4.0	4.0	4.0
	+0.2	0.0	+1.0	0.0	0.0	+0.0	-0.2	-0.1	-0.1
W	18.3	18.0	17.7	17.3	17.0	16.7	16.3	16.0	15.7
	5.4	5.8	6.1	6.5	6.8	7.1	7.4	7.4	7.4
	5.9	5.9	6.4	6.1	5.9	5.8	5.9	5.9	5.9
	-0.4	-0.1	-0.4	+1.0	-0.3	-0.2	-0.1	-0.2	-0.2
E	18.0	17.7	17.4	17.1	16.8	16.4	16.3	16.0	15.7
	5.8	6.1	6.4	6.7	7.0	7.4	7.4	7.4	7.4
	6.1	6.1	6.5	6.8	7.0	7.3	7.3	7.3	7.3
	-0.3	0.0	+0.2	-0.2	-0.2	-0.1	-0.1	-0.1	-0.1

Boundary ST PAVING

NW 3P
Meadelands
383.00
3.81
387.05
7.83
379.00
3.97
383.17

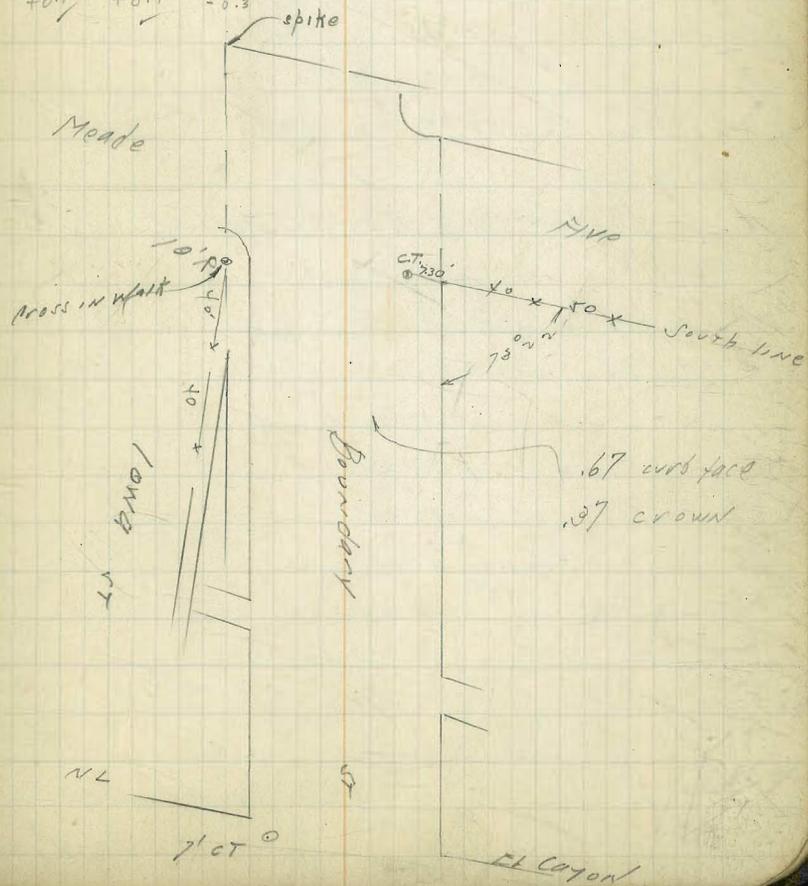
	382.00	382.5
	W cb	E cb
ST Meado = Radus = 10'	383.10	382.50
	382.64	382.10
	382.18	381.70
	381.73	381.30
	381.27	380.90
	380.82	380.50
	380.36	380.10
	379.91	379.70
	379.45	379.30
	379.0	378.90
	378.55	378.50
	378.10	378.10
	377.64	377.70

9.9
12 TIMES

377.64

Cuts to cb grade

W	83.0	82.6	82.2	81.7	81.3	80.8	80.4	79.9
	3.9	4.4	4.8	5.3	5.7	6.2	6.6	7.1
	3.95	4.0	4.2	4.5	4.8	5.1	5.4	5.7
	+0.15	+0.4	+0.6	+0.7	+0.6	+0.8	+0.5	+1.1
E	82.5	82.1	81.7	81.3	80.9	80.5	80.1	79.7
	4.5	4.9	5.3	5.7	6.1	6.5	6.9	7.3
	4.5	4.8	5.0	5.3	5.6	6.0	6.3	6.7
	0.0	+0.4	+0.3	+0.1	+0.6	+0.4	+0.2	+0.1
W	79.4	79.0	78.5	78.1	77.6 - cb			
	7.6	8.0	8.5	9.0				
	7.6	7.9	8.2	8.5				
	+0.1	+0.1	+0.7	+0.4				
E	78.9	78.5	78.1	77.7	- cb			
	7.1	7.7	8.1	8.7				
	7.1	7.6	8.0	8.5				
	+0.1	+0.1	-0.3					



Boundary ST Sewer

	FL.	
EMH=00	379.60	389.00 - 9M 393.50
	379.97	13.25 2.50 +6.75
2 6 posts	380.25	13.17 2.00 +6.17
3 15.9	380.70	12.80 6.90 +5.90
4 1483.6 = MH #1 A	381.10	12.40 2.00 +5.00
5	381.47	12.05 6.17 +5.76
6 6 posts	381.83	11.69 6.20 +5.99
7 12.93	382.20	11.30 4.19 +7.13
8	382.57	10.95 5.20 +5.05
9	382.93	10.59 5.10 +5.40
10 3 4 10 = DE.	383.30	10.20 5.00 +5.20

Sewer Botw Adams + Madison

	FL.	
EMH=00	384.90	390.96 4.68 395.64
0 + 25 S	385.15	10.40 5.40 +5.00
0 + 70 S = DE.	385.40	10.00 5.00 +5.00

Water Line

Boundary ST: 66

SL LOTS UNIV. Hqrs

	383.00	10.5 7.8 +2.7
	383.28	10.2 7.5 +2.7
	383.56	10.0 7.4 +2.6
	383.84	9.7 7.1 +2.6
	384.12	9.4 6.8 +2.6
	384.40	9.1 6.5 +2.6
	384.68	8.8 6.2 +2.6
	384.96	8.6 6.0 +2.6
	385.24	8.3 5.7 +2.6
	385.52	8.0 5.4 +2.6
10 = SL Madison	385.80	7.7 5.1 +2.6

SL ADAMS

	387.50	7.7 5.0 +2.7
	387.87	7.4 4.7 +2.7
	387.23	8.0 5.3 +2.7
	387.10	8.1 5.4 +2.7
	386.96	8.3 5.6 +2.7
	386.83	8.4 5.7 +2.7
	386.70	8.5 5.8 +2.7
	386.56	8.6 5.9 +2.7
	386.43	8.7 6.0 +2.7
	386.30	8.8 6.1 +2.7
	386.17	8.9 6.2 +2.7
	386.03	9.0 6.3 +2.7
11 SL Madison	385.90	9.3 6.6 +2.7

Boundary ST Water Line
El Cajon To Meade

			383.00
			3.05
			386.05
1	NL El Cajon		374.60
			11.3
			375.90
2			11.0
			374.36
3			10.6
			375.75
4			10.1
			376.13
5			9.8
			376.51
6			9.4
			376.90
7			8.6
			377.28
8			8.6
			377.66
9			8.3
			378.04
10			7.9
			378.42
11			7.5
			378.80
	SL Meade		8.1
			379.20

OUTS 0.10
Lower

Boundary Water Line
Adams, to Works

			390.96
			3.00
			394.96
1	NL Adams		387.5
			7.8
			387.0
2			7.5
			386.50
3			9.0
			386.0
4			9.5
			385.50
5			10.0
			385.0
6			10.7
			384.50
7			11.0
			384.0
8	SL Works		11.5
			383.50

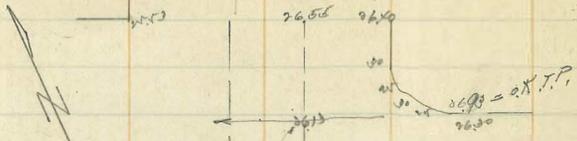
2/1/08

SUNSET CLIFFS Blvd

8" curb face
7" crown

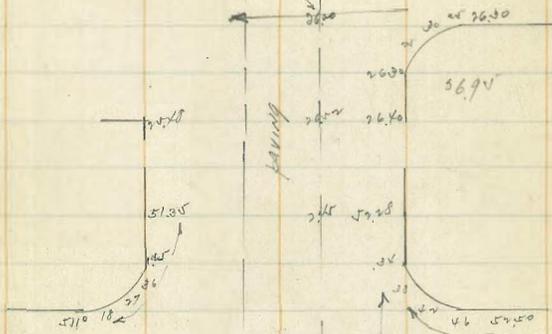
To New York

Paving



Niagara

dir. of highest
ingotters
at east edge of paving

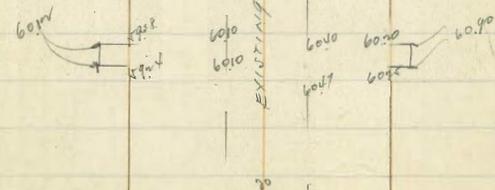


SANTI CLUZ

SW T.C.T.

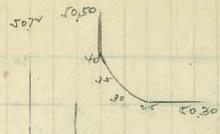
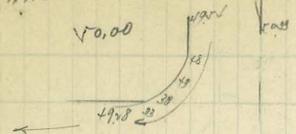


Break

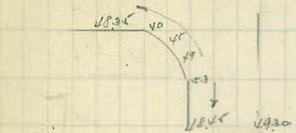


Coronado

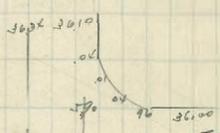
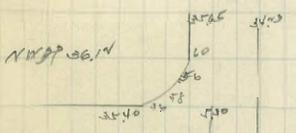
N.Y. ST.



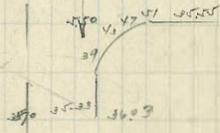
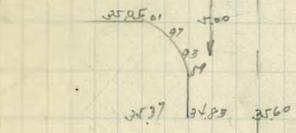
Coronado



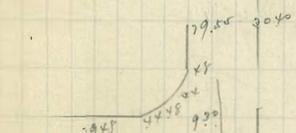
N.Y. ST.



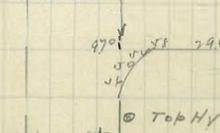
Del Mar



Del Mar



Orchard



Top Hyd. = 87.34.39

5/4/18
Moore

Alley paving
Stk 163 V.H.
Grade changed from Profile

Polk - Lincoln
Ohio - Ill.
B. Caedel
contn

	W	E
SL Polk = 00	366.70	366.70
+50	366.40	
1	365.70	
+50	365.20	
2 = BREAK	364.70	364.70
+50	364.50	364.54
3	364.34	364.35
+50	364.17	364.18
4	364.00	364.01
+50	363.81	363.84
5	363.63	363.67
+50	363.46	363.50
6 = N.L. Lincoln	363.28	363.33

grading 5/10/18 Moore

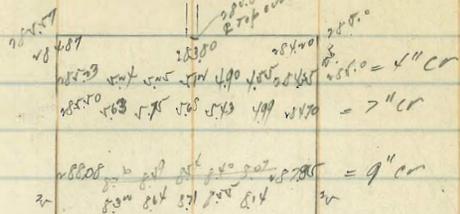
5576 SEEP Polk + Ohio

	W	E	W	E	W	E	W	E
3707.3			366.70	366.70	66.20	65.70	65.20	64.70
365.33					4.53	4.03	4.05	4.54
3.94					4.03	4.03	3.05	4.05
364.44					4.03	4.03	4.05	4.05
4.86					4.03	4.03	4.05	4.05
364.39					4.03	4.03	4.05	4.05
3.75					4.03	4.03	4.05	4.05
368.14					4.03	4.03	4.05	4.05

	W	E	W	E	W	E
6417	64.00	63.81	63.63	63.46	63.28	
4.05	4.05	4.05	4.05	4.05	4.05	
4.05	4.05	4.05	4.05	4.05	4.05	
4.10	4.10	4.06	4.10	4.06	4.06	
6418	64.01	63.84	63.67	63.50	63.32	
4.05	4.05	4.05	4.05	4.05	4.05	
4.05	4.05	4.05	4.05	4.05	4.05	
4.10	4.10	4.06	4.10	4.06	4.06	

W
E

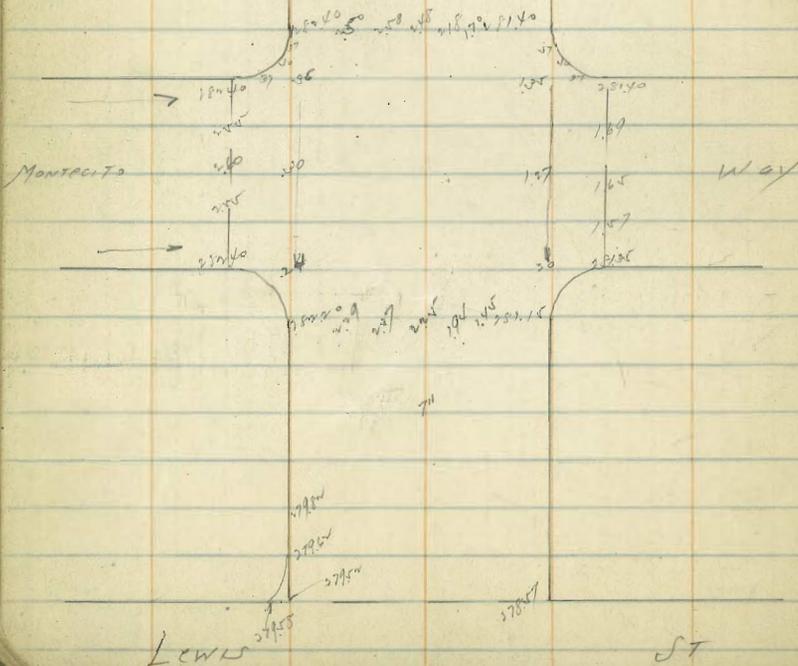
4th St paving Griffith Co
 Lewis to 470' N of Harbor Dr 5/4/28
 8" curb face 1/2" Micro
 7" Crown



Harbor

Drive

28750 299 806 8.40 8.50 8.60 8.70
 28903 - S.E. 7' C.T.



28703
 2881
 291.54
 -14.70
 276.84
 -27.33
 -13.00
 259.51
 -13.60
 245.91
 -2.58
 243.33

28903
 472
 293.76
 4.19
 289.57
 5.11
 284.46

S.E. 7' C.T. Harbor Dr. + 4th

285.0
 6.84
 284.80
 7.00
 285.70
 6.14
 6.44

275.0
 16.84
 7.04
 19.8

252.0
 14.51
 14.8
 29.7
 + 8.9 = corr
 29.0 = outlet
 23.0 4
 16.4
 13.0
 + 3.5 = end

8" curb face
1" crown

G ST PAVING

Goodbody, Conn.
Moore 4/11/28

155.01
11.03
166.04
2.07
164.97
12.78
178.75
1.91
176.84
3.88
180.72
2.03
168.69
1.07
170.76
1.23
171.99
2.61
174.60
13.62
188.22
0.23
188.99
13.10
175.89
0.32
175.57

ST	Water Fl	N.C.B	176.36
EL. 27+77 ST	155.10	154.70	177.57 14.44 167.13 1.04 168.17
0+40	160.17	160.90	167.13 1.04 168.17
0+80	165.29	166.10	168.17
1+20 P.K.C.	170.90	171.30	✓
+40	172.40	173.40	✓
+60	173.90	174.90	✓
+80	174.70	175.70	✓
N	175.0	176.0	✓
+20	174.80	175.80	✓
+40	174.0	175.0	✓
+60	172.60	173.60	✓
+80	170.60	171.60	✓
3	168.10	169.10	✓
+20 P.K.C.	164.90	165.90	✓
3+70	156.47	157.47	
4+20	148.05	149.05	
+70	139.64	140.64	
5+20 P.V.C.	131.20	132.20	

CUTS to curb grade 74

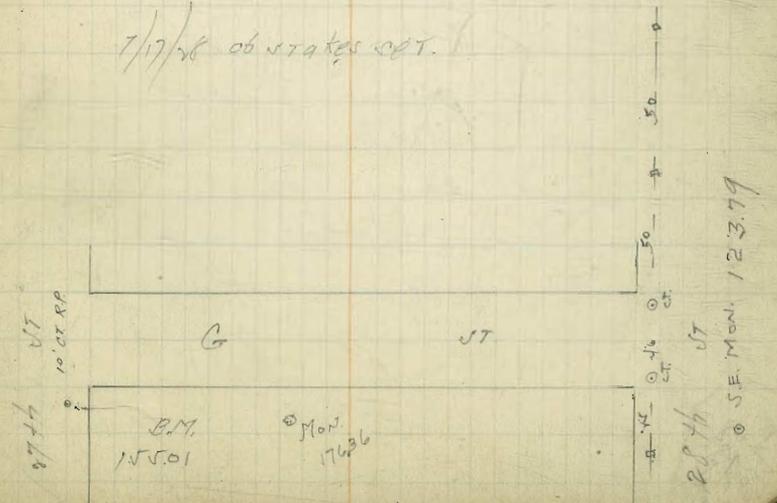
ST	Water Fl	N.C.B	176.36	177.57	178.75	179.93	181.11	182.29	183.47	184.65	185.83	187.01	188.19	189.37	190.55	191.73	192.91	194.09	195.27	196.45	197.63	198.81	200.00	
S 155.10	60.2	65.2	70.2	75.2	80.2	85.2	90.2	95.2	100.2	105.2	110.2	115.2	120.2	125.2	130.2	135.2	140.2	145.2	150.2	155.2	160.2	165.2	170.2	175.2
N 155.70	60.9	66.0	71.0	76.0	81.0	86.0	91.0	96.0	101.0	106.0	111.0	116.0	121.0	126.0	131.0	136.0	141.0	146.0	151.0	156.0	161.0	166.0	171.0	176.0
U 70.6	70.6	68.1	64.9	61.5	58.0	54.5	51.0	47.5	44.0	40.5	37.0	33.5	30.0	26.5	23.0	19.5	16.0	12.5	9.0	5.5	2.0	-1.5	-3.0	-4.5
N 70.6	71.6	69.1	65.9	62.5	59.0	55.5	52.0	48.5	45.0	41.5	38.0	34.5	31.0	27.5	24.0	20.5	17.0	13.5	10.0	6.5	3.0	-0.5	-2.0	-3.5

Water 170 IN CUTS

ST	Water Fl	N.C.B	176.36	177.57	178.75	179.93	181.11	182.29	183.47	184.65	185.83	187.01	188.19	189.37	190.55	191.73	192.91	194.09	195.27	196.45	197.63	198.81	200.00	
157.5	162.5	167.6	169.8	171.3	172.1	172.4	172.8	173.2	173.6	174.0	174.4	174.8	175.2	175.6	176.0	176.4	176.8	177.2	177.6	178.0	178.4	178.8	179.2	179.6
172.4	171.4	170.0	168.0	164.5	162.3	159.9	157.5	155.1	152.7	150.3	147.9	145.5	143.1	140.7	138.3	135.9	133.5	131.1	128.7	126.3	123.9	121.5	119.1	116.7
137.2	137.0	128.6	128.6	128.6	128.6	128.6	128.6	128.6	128.6	128.6	128.6	128.6	128.6	128.6	128.6	128.6	128.6	128.6	128.6	128.6	128.6	128.6	128.6	128.6

See page 60 for paving grades

7/17/28 ob states set.



C ST

12379
920
133.57

12477
10.97
1241.00
1.00
123.69

Curb to curb grade

35

	S cb		N/cb
√ +20 = P.V.C.	131.20	✓	132.20
+40	128.10	125.5	129.10
+60	124.70	123.1	126.70
+80	123.80	121.2	124.80
P 100	122.60	200.0	123.60 ✓
+20 = 2nd inlet	122.0	119.4	122.0
+40 = 1st inlet	122.0	119.3	123.0

S	281 4.7 10.3 -8.6	25.7 +2.0 5.8 -7.2	23.8 +0.1 10.4 -10.5	22.6 11.1 11.2	122.0 1.7 13.0 -12.3	122.0 1.7 3.1 -1.4
N	291 3.7 6.6 -2.9	26.9 +3.0 6.0 -7.0	24.8 +1.1 9.0 -10.1	23.6 0.1 9.7 -9.6	123.0 10.9 10.0 -9.3	123.0 0.9 0.7 0.0

100.9/7
4.28
123.87

124.5	123.1	121.2	120.0	119.4	119.3
4.8	7.2	9.1	10.3	10.9	11.0
1.2	4.2	6.7	8.6	8.9	8.6
13.2	12.0	15.7	11.9	12.0	12.2

122.2
11.65
-0.09
122.13

122.2
11.30
11.46
.76
10.20
10.44
.76

Culvert #1	Flowline
inlet	113.0 ^{10.7} +1.1
N curb inlet #1	114.0 ^{11.7} +1.0
S " " #2	110.3 ^{13.2} +1.7
OUTLET	109.0 ^{12.7} +1.1

Top curb inlet #1	East end curb	West end curb
122.0	123.0	123.2
0.7	0.7	0.5
7.4	10.1	10.1
7.7	9.4	9.6

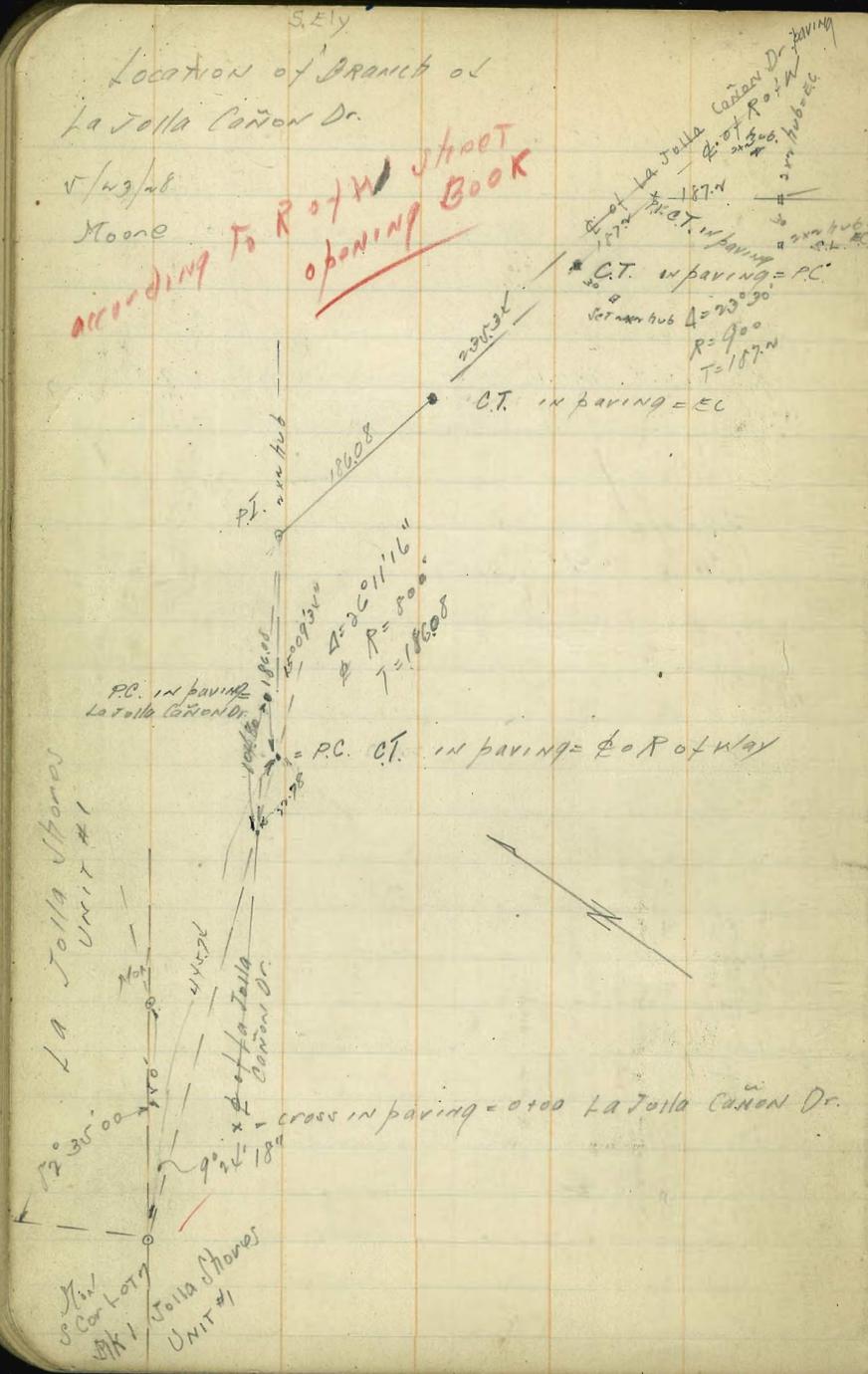
Top curb inlet #2	East end curb	West end curb
122.0	122.0	122.2
1.7	1.7	1.4
9.7	11.7	11.5
7.7	10.0	10.4

S.Ely

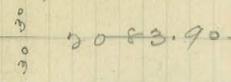
Location of Branch of
La Jolla Cañon Dr.

V/23/28
Moore

according to R of W shoot
opening BOOK



Line of 10th stakes on 100' sta.



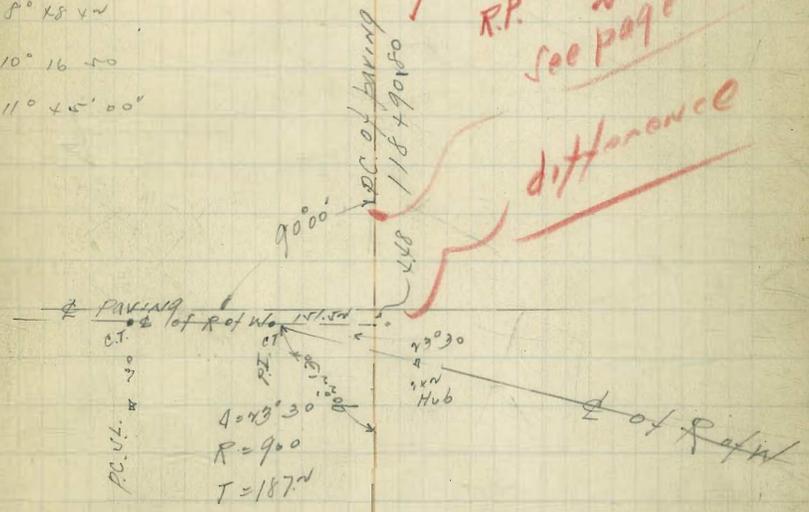
approx.
200' R.P.O.
hub &

Line of 10th 100' sta.

- ① 1° 28' 07
- ② 2° 56' 14
- ③ 4° 24' 21
- ④ 5° 54' 28 St. chords = 42.60
- ⑤ 7° 20' 35
- ⑥ 8° 48' 42
- ⑦ 10° 16' 50
- ⑧ 11° 45' 00

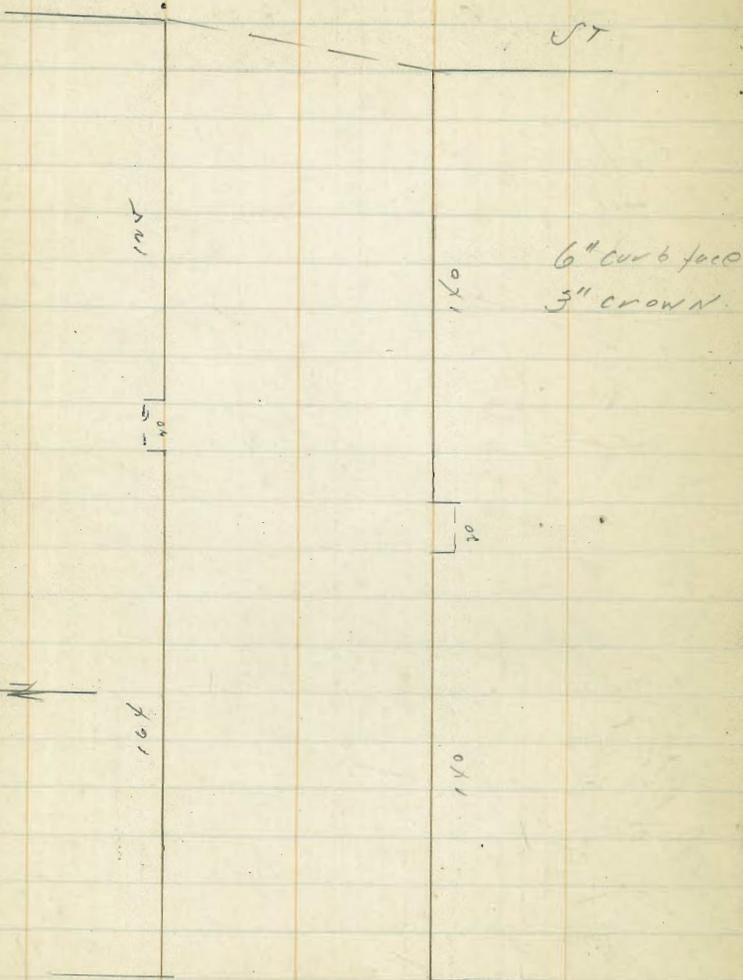
R.P. 50+40 S
see page 16

difference



Polk Ave paving 5/23/28
Geo. Daley, CONTR. Moore

35th



Swift

Ave

37593 Orange & Swift N.W.B.P.

curb marks paving to paving

PALM ST PAVING

RYAN 5/17/66
8" cb talc
5" crown

St.	SC6	WLG nd ON N	N/C6
WLG nd ON North		0 + 00	302.91
0 + 00 WLG nd ON SL	303.04	0 + 96 st	302.71
+ 50	301.53	+ 50	301.38
1	300.62	1	300.06
+ 50	299.4	+ 50	298.73
2	298.20	2	297.41
+ 50	296.98	+ 50	296.08
2 + 90.4 = end	296.0	2 + 00	295.0

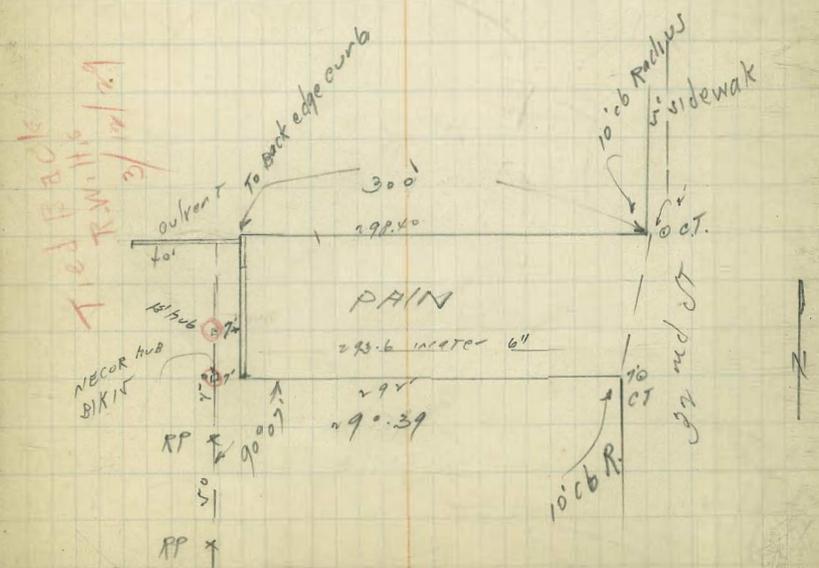
down 1 ft.

FL.	Total	Notes
289.0	295.0	6.00
289.0	295.0	6.00
279.5	295.0	15.5
16.7	295.0	8.3
16.1	295.0	8.9
206	295.0	11.9

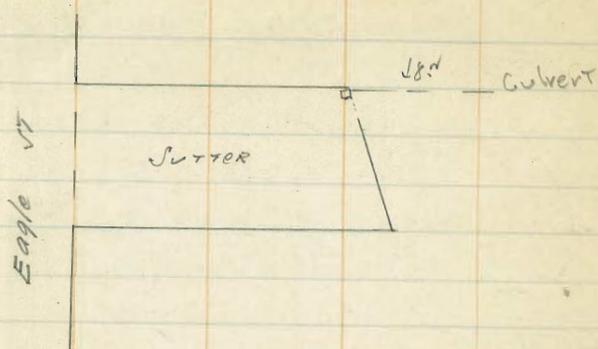
6/12/67 FINIS

NEOP PALM + 34nd

Station	SC6	WLG nd ON N	N/C6
304.03			
303.99			
303.80			
303.75			
303.70			
303.65			
303.60			
303.55			
303.50			
303.45			
303.40			
303.35			
303.30			
303.25			
303.20			
303.15			
303.10			
303.05			
303.00			
298.7			
297.5			
296.0			
295.0			
294.0			
293.0			
292.0			
291.0			
290.0			
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3.0			
2.0			
1.0			
0.0			



SUTTER ST PAVING
 at Eagle
 6/8/18. stated
 NEWTON CONTR.



25814
 (w. 7' Ct.)
 BM

256.49
 307
 260.06
 11.89
 48.17
 1.03
 49.40

Rate =

~~254.80~~
 5.26
 N
 255.20

4.86
 + 74
 - 0.88 = 3' back

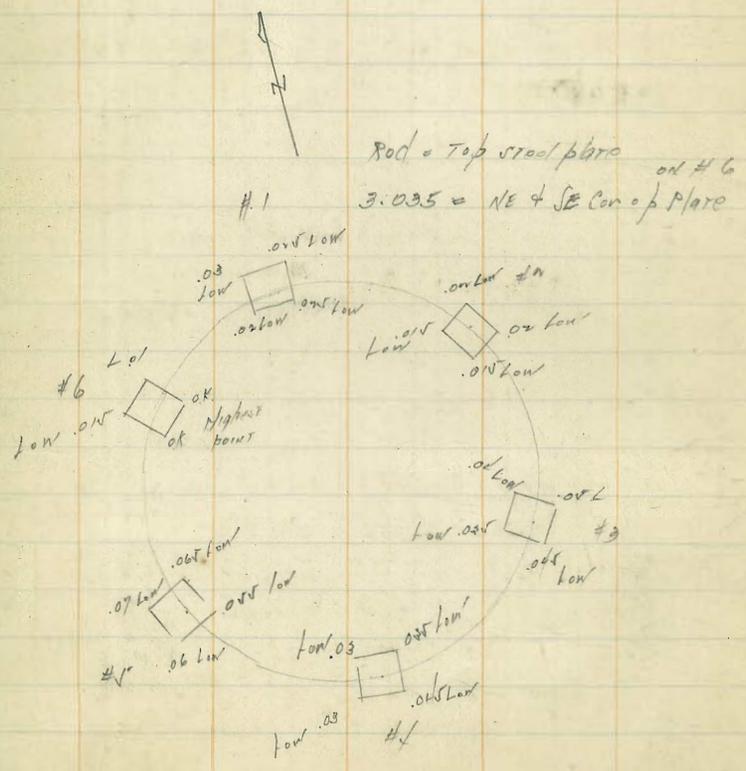
S
 254.80
 4.26
 4.96
 - 0.70 w. 4

4.26
 4.89
 - 0.63 3' back

FL
 250.90 - inlet
 9.16
 574
 + 3.47 outlet
 257.0
 10.4
 10.5
 + 1.9

Pier Levels at Water tank
at Charleston High Lumbago Mass

	Rod
#1 Top Conc. pier	3.15
#2	3.15
#3	3.16
#4	3.17
#5	3.19
#6	3.14



DIRECTIONS FOR USE OF TABLES

TABLE No. 1.

Distance of slope stake from side or shoulder 30.15
 stake for any width roadway, slope 1% to 1.
 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 is same row and column number.

IMPROVED TABLES

AND

INFORMATION

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
 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.

J.2' Roadway = { in 3 parts of 1723
 (.06 M

J066



Pebbles

Coronado

W 1/2
 17.25

600 - 1.50

SE 7' CT

W/ E
 67 4.87
 52 3.30
 139 178

80
 24
 56

15.17
 1000
 5000
 1.0007
 Green
 2000
 5000
 1.0007
 4000
 1.0007
 4000
 1.0007

13.4.48
 119.02
 15
 12.3
 27

