

143
GRADES

DUEPO

FIELD BOOK

No. 385

End of.

Leaking Water Valve, Lark St. S. of Walnut.

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AGENTS FOR

"BERGER" TRANSITS and LEVELS

"GURLEY" SURVEYING and HYDRAULIC INSTRUMENTS

"CHEMICAL" MICROFILMED

APR 8 1965

Allison St. paving

50 50 071
 Road

Reed

Ave

60 50 0
 Road

Oliver

Ave

RR

RR spike
 B.M. 321

70 50 50
 Road

Pacific
 Ave.

Cross w/et
 13

10' R.P.
 copper track

STOP SIGN

Chalcedony

50 7' 50' 50'

Chalcedony

Missouri 50 50 50'

MISSOURI

170.34
 162.90
 7.44

1

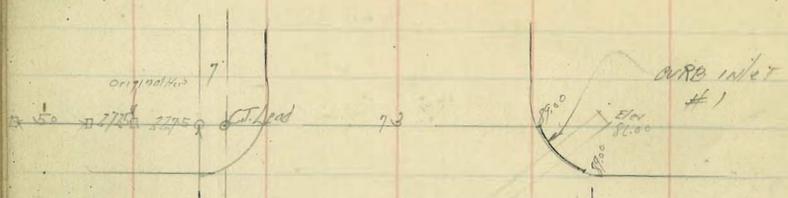
50 50 50'

ST

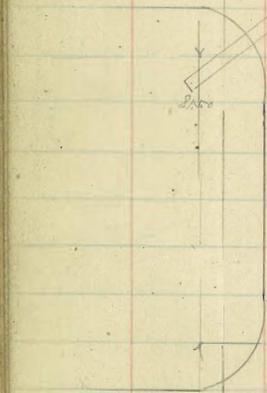
50 50 50'

ST

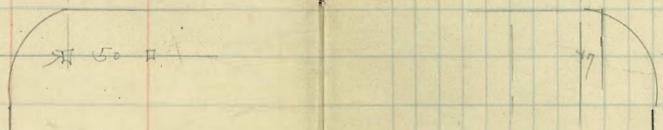
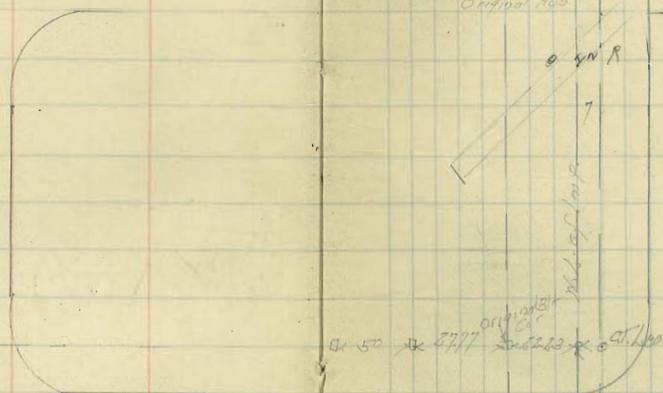
Fullison ST



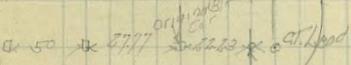
Tourmaline



Hyacinth



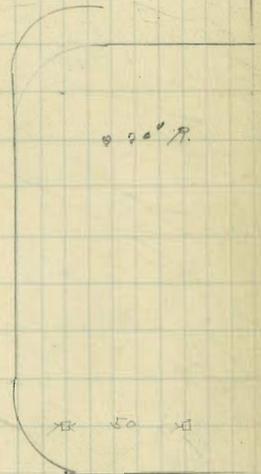
Tourmaline ST



Sapphire



curb inlet #2



22.23
22.27
300.0

2

ALLISON ST. at Pacific 8721

STORM DRAIN #7

Top CURB

	Top CURB	F.L.
CURB Inlet #3	-1.85	-4.00
± Pacific = #1		-4.05
" " #4	-1.00	-4.10
± Allison		-4.20
CURB Inlet #5	-1.30	-4.30
± Pacific to 35		-4.40
CURB Inlet #6 ⁰⁰	-1.80	-4.50
0+50 S.CURB		-4.56
1		-4.63
+50		-4.69
2		-4.75
+50		-4.82
3		-4.88
+50		-4.94
4		-5.00
+50		-5.07
5		-5.13
+50		-5.20
+86.80 = P.C.		-5.27
0 3° 40' 22"		-5.28
0 7° 20' 42"		-5.31
0 11° 01'		-5.34
0 14° 41' 30"		-5.37
0 18° 22'		-5.40
0 22° 02'		-5.43
0 25° 42' 30"		-5.46

0.127%
 3+28.40' ±
 5.189' ±
 3.27' ±
 141
 21 or Top Summit

S parts
 & abarks = 24.95

③ = 7+86.8° 29' 23" 00 = E.L.
 = OUTLET

F.L.
 -5.50
 5.77

8/31
 0.00
 3.53

8/31
 0.00
 3.53

5+905 MAX P.C.
 Δ 14° 10'
 P = 180.50
 L = 137.93

11.2
 5.21
 2.93

10 = RT. 7+89.63 =
 7+548 = P. 10
 7+628 "
 7+708 "
 7+788 "
 7+868 = End

0.0122
 18.00
 10.66
 10.68
 10.62
 10.62
 10.70

-5.53	9.57 17.31	-0.38	00 5/16 10
-5.55	9.29 17.32	2.43 7.04	
-5.56	9.60 17.90		
-5.58	9.62 13.65		
-5.60	9.11 12.79		
-5.61	9.65 12.31		
-5.63	9.67 13.01		
-5.65	9.19 13.60		
-5.67	9.16 15.57		
-5.68	9.72 15.73		
-5.70	9.74 17.71		
-5.73	9.77 17.56		
-5.74	8.76 17.81		
-5.75	8.78 17.81		
-5.76	8.80 17.81		
-5.77	8.86 17.60		

10.80.28

9.19
13.60

8.86
17.60

ALLISON ST. STORM DRAIN #1

Top CURB
89.00

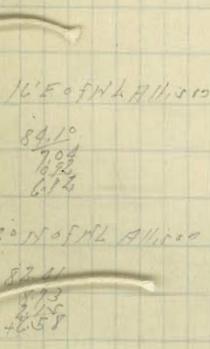
Station	FL	Notes
00 = INLET	86.0	
0+70 = CURB INLET #1	85.75	
0+50	84.1	
1+00	82.29	
1+71.3 = OUTLET	81.50	

STORM DRAIN #2 & #3

Station	FL	Notes
INLET = 00	91.3	
0+47.9 = NATURALS	89.34	
0+73.9	87.85	
1+04.19 = JUNCTION WITH #3	86.40	
1+36.4	84.87	
1+68.66 = INL Allison	83.35	
2+01.14	81.84	
2+33.44 = OUTLET	80.30	

#3 Top CURB

Station	FL	Notes
CURB INLET #2	102.80	
" " BOTTOM BOX	97.50	
0+36 = JUNCTION Top pipe of #2 CULVERT	94.57	



Station	FL	Notes
25' NE of #2	95.03	
25' SW of #2	84.52	
	12.51	
	13.31	
	4.30	

ALLISON ST Sewer
at Pacific Ave.

8-7-28

EX. M.H. = 00	F.L.	
	-9.02	12.45 871.90 Pacific 1.50 Allison
	-9.23	12.16 17.57
516' # TIME 0	-9.44	12.27 17.47
167 0 S	-9.65	13.02 17.38
0	-9.86	13.20 17.27
9. + 58.25 0 = Avg end	-10.05	13.47 17.17

Sewer alley north of Grand

M.H. # 16	2.55	12.13 17.22
47.5 EAST	2.91	12.26 17.37
32.5 WEST	2.39	12.59 17.34

Sewer alley north of Hornblend

M.H. # 15	6.75	8.23 15.07
47.5 EAST	7.22	8.36 15.21
32.5 WEST	6.59	8.30 15.16

Sewer alley north of Garnet

M.H. # 14	10.87	14.51 15.08
47.5 EAST	11.06	14.37 14.70
32.5 WEST	10.74	14.64 15.03

Sewer alley north of Felspar

M.H. # 13	16.61	8.27 15.77
47.5 EAST	16.80	8.58 15.53
32.5 WEST	16.48	8.90 15.27

Sewer alley north of Emerald

M.H. # 12	22.90	11.23 15.37
47.5 EAST	23.23	11.50 15.23
32.5 WEST	22.67	12.16 15.17

Sewer alley north of Diamond

M.H. # 11	29.88	13.22 15.19
47.5 EAST	30.19	13.18 15.05
32.5 WEST	29.66	13.44 15.34

Sewer alley north of Missouri

M.H. # 10	37.25	14.73 15.48
47.5 EAST	37.68	14.49 15.29
32.5 WEST	36.96	14.83 15.19

ALLISON ST Sewer

F.L.

EL all/nd. alley North of Sapphire St = 0+00	97.49	$\frac{9.85}{+87.5}$	8M 107.22	N.E. Tr.
0+40 = M.H. #1	96.65	$\frac{8.84}{+87.3}$	106.41	ALLISON ST Sapphire
① (3 - 54.17)	94.37	$\frac{12.12}{+83.5}$		
② (2 + 0.50 = M.H. #2 Sapphire	92.09	$\frac{14.40}{+67.5}$		
③ (3 - 55.83)	88.97	$\frac{17.52}{+68.0}$		
④ 3+70 = M.H. #3 alley South of Sapphire	87.30	$\frac{18.25}{+65.0}$		

Page 6

F.L.

40' west M.H. #2 = plug end	90.09	$\frac{16.40}{+73.6}$		
40' EAST M.H. #3 = " "	87.74	$\frac{19.25}{+68.4}$		
40' WEST " " " "	86.49	$\frac{21.27}{+65.2}$		

ALLISON ST Sewer

Station	FL	Notes
30' S North of Hyacinth = DMH #4 = 00 = upper FL	77.00	8.33 3.62 25.74
" " " = lower FL	66.59	18.71 11.61 76.33
① (Δ - 1.87)	66.42	18.86 11.56
②	66.26	19.07 5.08 13.99
③	66.09	19.24 10.82 13.17
④ = 1+67.5 = MH #5 & Hyacinth ST	65.94	19.41 2.12 17.29
⑤ + 44.29	65.74	19.59 8.27 11.32
⑥	65.57	19.76 8.66 11.11
⑦	65.39	19.94 10.52 10.87
⑧ = 3+45 = DMH #6	65.21	20.12 7.84 12.28
⑨	65.01	20.32 11.79 11.23
⑩ (Δ - 51.01)	64.80	20.53 12.21 18.32
⑪	64.60	20.73 12.49 18.24
⑫ = 5+49.05 = MH #7 Loring	64.39	20.94 13.03 17.36
⑬	63.11	21.39 14.25 17.14
⑭ Δ - 46.5	62.93	21.67 14.81 16.86
⑮	62.05	22.05 15.47 16.58
⑯ = 7+34.05 = M.H. #8 = lower FL	61.28	22.45 16.13 16.37
⑰	60.44	22.84 16.81 16.03
⑱ (50)	59.10	23.24 17.50 15.60
⑳	58.76	23.44 17.78 15.28
㉑ (9 - 10)	57.92	23.64 18.06 14.88
㉒	57.08	23.84 18.34 14.74
㉓	56.24	24.04 18.62 14.62
㉔ = 10+34.05 = M.H. #17 Δ = 1° 14' RT.	55.40	24.24 18.90 14.50

F.L.

9-1-28
7

Station	FL	Notes
{ 40' EAST of DMH #4	77.88	7.45 6.06 11.37
{ 40' WEST " " "	66.75	18.58 2.30 16.28
Upper FL DMH #6	69.50	15.83 10.14 14.99
40' EAST " " = Plugend 70.40		14.01 6.85 7.16
71.97 50' Hyacinth Allison		13.26 4.52 7.74
71.97 50' Hyacinth Allison		12.94 13.03 17.00
40' EAST = Plugend	63.29	15.21 11.77 3.44
M.H. #8 upper FL	62.49	15.35 5.84 17.56
40' EAST of #17 = Plugend	56.08	17.54 11.25 6.29
40' West " " " 56.10 = Lat. #17		17.54 11.25 6.29

ALLISON ST Senior

Point	North	East	Remarks
MH 17	55.40	F.L.	
①	54.62	51.59	
②	53.85	50.77	
③	53.08	50.26	
④	52.31	51.14	
⑤	51.54	51.33	
⑥	50.77	50.51	
⑦	49.70		5000 - 5000
⑧	48.89		
⑨	48.07		
⑩	47.26		
⑪	46.44		
⑫	45.63		
⑬	44.82		
⑭	44.00		
⑮	42.96		
⑯	44.33		

Source Laterals

Point	North	East	Remarks
#1	68.4		
#2	70.0		
#3	71.60		
#4	see page 7		
#5	50.50		40' W of M.H. #18

54.51 SW Top Mt
63.66 Low Mt Allison
60.50

40' W - Lat #5 50.50 ✓
40' E 50.57

SW 48.49 N.F. 8P
Allison + Chaldeans

ALLISON ST GRADES

	WCB	ECB
JL THOMAS = 00	2.50	2.50
0	2.30	2.28
0 (5-54) 0.37%	2.10	2.05
0	1.90	1.85
0	1.70	1.63
0 2+70 NL Reed	1.50	1.41 ¹³⁰
0 JL "	1.20	1.09 ^{0.90}
0 (5-54) 0.37%	1.00	0.88
0	0.80	0.66
0	0.60	0.45
0	0.40	0.23
0 2+70 NL Oliver	0.20	+0.01-0.28
0 JL "	-0.09	-0.31-0.63
0	-0.27	-0.51
0 (5-59.36) 0.37%	-0.45	-0.70
0	-0.62	-0.90
0	-0.82	-1.10
0 2+46.83 NL Pac.	-1.00	-1.30 ¹⁷³

Pac. Ave Grades

40' W of WL Allison	N. CURB
WL of "	-0.68
EL " "	-1.0
10' E of EL "	-1.3
12' " " "	-1.1
12' " " "	-0.91

9

W 2.50	2.3	2.1	1.9	1.7	1.5	1.2	1.0	0.8	0.6
1.99	6.1	6.4	6.6	6.8	7.0	7.2	7.4	7.6	7.8
0.6	6.5	6.8	7.1	7.4	7.7	8.0	8.3	8.6	8.9
0.3	7.0	7.3	7.6	7.9	8.2	8.5	8.8	9.1	9.4
0.6	7.5	7.8	8.1	8.4	8.7	9.0	9.3	9.6	9.9
0.9	8.0	8.3	8.6	8.9	9.2	9.5	9.8	10.1	10.4
1.2	8.5	8.8	9.1	9.4	9.7	10.0	10.3	10.6	10.9
1.5	9.0	9.3	9.6	9.9	10.2	10.5	10.8	11.1	11.4
1.8	9.5	9.8	10.1	10.4	10.7	11.0	11.3	11.6	11.9
2.1	10.0	10.3	10.6	10.9	11.2	11.5	11.8	12.1	12.4
2.4	10.5	10.8	11.1	11.4	11.7	12.0	12.3	12.6	12.9
2.7	11.0	11.3	11.6	11.9	12.2	12.5	12.8	13.1	13.4
3.0	11.5	11.8	12.1	12.4	12.7	13.0	13.3	13.6	13.9
3.3	12.0	12.3	12.6	12.9	13.2	13.5	13.8	14.1	14.4
3.6	12.5	12.8	13.1	13.4	13.7	14.0	14.3	14.6	14.9
3.9	13.0	13.3	13.6	13.9	14.2	14.5	14.8	15.1	15.4
4.2	13.5	13.8	14.1	14.4	14.7	15.0	15.3	15.6	15.9
4.5	14.0	14.3	14.6	14.9	15.2	15.5	15.8	16.1	16.4
4.8	14.5	14.8	15.1	15.4	15.7	16.0	16.3	16.6	16.9
5.1	15.0	15.3	15.6	15.9	16.2	16.5	16.8	17.1	17.4
5.4	15.5	15.8	16.1	16.4	16.7	17.0	17.3	17.6	17.9
5.7	16.0	16.3	16.6	16.9	17.2	17.5	17.8	18.1	18.4
6.0	16.5	16.8	17.1	17.4	17.7	18.0	18.3	18.6	18.9
6.3	17.0	17.3	17.6	17.9	18.2	18.5	18.8	19.1	19.4
6.6	17.5	17.8	18.1	18.4	18.7	19.0	19.3	19.6	19.9
6.9	18.0	18.3	18.6	18.9	19.2	19.5	19.8	20.1	20.4
7.2	18.5	18.8	19.1	19.4	19.7	20.0	20.3	20.6	20.9
7.5	19.0	19.3	19.6	19.9	20.2	20.5	20.8	21.1	21.4
7.8	19.5	19.8	20.1	20.4	20.7	21.0	21.3	21.6	21.9
8.1	20.0	20.3	20.6	20.9	21.2	21.5	21.8	22.1	22.4
8.4	20.5	20.8	21.1	21.4	21.7	22.0	22.3	22.6	22.9
8.7	21.0	21.3	21.6	21.9	22.2	22.5	22.8	23.1	23.4
9.0	21.5	21.8	22.1	22.4	22.7	23.0	23.3	23.6	23.9
9.3	22.0	22.3	22.6	22.9	23.2	23.5	23.8	24.1	24.4
9.6	22.5	22.8	23.1	23.4	23.7	24.0	24.3	24.6	24.9
9.9	23.0	23.3	23.6	23.9	24.2	24.5	24.8	25.1	25.4
10.2	23.5	23.8	24.1	24.4	24.7	25.0	25.3	25.6	25.9
10.5	24.0	24.3	24.6	24.9	25.2	25.5	25.8	26.1	26.4
10.8	24.5	24.8	25.1	25.4	25.7	26.0	26.3	26.6	26.9
11.1	25.0	25.3	25.6	25.9	26.2	26.5	26.8	27.1	27.4
11.4	25.5	25.8	26.1	26.4	26.7	27.0	27.3	27.6	27.9
11.7	26.0	26.3	26.6	26.9	27.2	27.5	27.8	28.1	28.4
12.0	26.5	26.8	27.1	27.4	27.7	28.0	28.3	28.6	28.9
12.3	27.0	27.3	27.6	27.9	28.2	28.5	28.8	29.1	29.4
12.6	27.5	27.8	28.1	28.4	28.7	29.0	29.3	29.6	29.9
12.9	28.0	28.3	28.6	28.9	29.2	29.5	29.8	30.1	30.4
13.2	28.5	28.8	29.1	29.4	29.7	30.0	30.3	30.6	30.9
13.5	29.0	29.3	29.6	29.9	30.2	30.5	30.8	31.1	31.4
13.8	29.5	29.8	30.1	30.4	30.7	31.0	31.3	31.6	31.9
14.1	30.0	30.3	30.6	30.9	31.2	31.5	31.8	32.1	32.4
14.4	30.5	30.8	31.1	31.4	31.7	32.0	32.3	32.6	32.9
14.7	31.0	31.3	31.6	31.9	32.2	32.5	32.8	33.1	33.4
15.0	31.5	31.8	32.1	32.4	32.7	33.0	33.3	33.6	33.9
15.3	32.0	32.3	32.6	32.9	33.2	33.5	33.8	34.1	34.4
15.6	32.5	32.8	33.1	33.4	33.7	34.0	34.3	34.6	34.9
15.9	33.0	33.3	33.6	33.9	34.2	34.5	34.8	35.1	35.4
16.2	33.5	33.8	34.1	34.4	34.7	35.0	35.3	35.6	35.9
16.5	34.0	34.3	34.6	34.9	35.2	35.5	35.8	36.1	36.4
16.8	34.5	34.8	35.1	35.4	35.7	36.0	36.3	36.6	36.9
17.1	35.0	35.3	35.6	35.9	36.2	36.5	36.8	37.1	37.4
17.4	35.5	35.8	36.1	36.4	36.7	37.0	37.3	37.6	37.9
17.7	36.0	36.3	36.6	36.9	37.2	37.5	37.8	38.1	38.4
18.0	36.5	36.8	37.1	37.4	37.7	38.0	38.3	38.6	38.9
18.3	37.0	37.3	37.6	37.9	38.2	38.5	38.8	39.1	39.4
18.6	37.5	37.8	38.1	38.4	38.7	39.0	39.3	39.6	39.9
18.9	38.0	38.3	38.6	38.9	39.2	39.5	39.8	40.1	40.4
19.2	38.5	38.8	39.1	39.4	39.7	40.0	40.3	40.6	40.9
19.5	39.0	39.3	39.6	39.9	40.2	40.5	40.8	41.1	41.4
19.8	39.5	39.8	40.1	40.4	40.7	41.0	41.3	41.6	41.9
20.1	40.0	40.3	40.6	40.9	41.2	41.5	41.8	42.1	42.4
20.4	40.5	40.8	41.1	41.4	41.7	42.0	42.3	42.6	42.9
20.7	41.0	41.3	41.6	41.9	42.2	42.5	42.8	43.1	43.4
21.0	41.5	41.8	42.1	42.4	42.7	43.0	43.3	43.6	43.9
21.3	42.0	42.3	42.6	42.9	43.2	43.5	43.8	44.1	44.4
21.6	42.5	42.8	43.1	43.4	43.7	44.0	44.3	44.6	44.9
21.9	43.0	43.3	43.6	43.9	44.2	44.5	44.8	45.1	45.4
22.2	43.5	43.8	44.1	44.4	44.7	45.0	45.3	45.6	45.9
22.5	44.0	44.3	44.6	44.9	45.2	45.5	45.8	46.1	46.4
22.8	44.5	44.8	45.1	45.4	45.7	46.0	46.3	46.6	46.9
23.1	45.0	45.3	45.6	45.9	46.2	46.5	46.8	47.1	47.4
23.4	45.5	45.8	46.1	46.4	46.7	47.0	47.3	47.6	47.9
23.7	46.0	46.3	46.6	46.9	47.2	47.5	47.8	48.1	48.4
24.0	46.5	46.8	47.1	47.4	47.7	48.0	48.3	48.6	48.9
24.3	47.0	47.3	47.6	47.9	48.2	48.5	48.8	49.1	49.4
24.6	47.5	47.8	48.1	48.4	48.7	49.0	49.3	49.6	49.9
24.9	48.0	48.3	48.6	48.9	49.2	49.5	49.8	50.1	50.4
25.2	48.5	48.8	49.1	49.4	49.7	50.0	50.3	50.6	50.9
25.5	49.0	49.3	49.6	49.9	50.2	50.5	50.8	51.1	51.4
25.8	49.5	49.8	50.1	50.4	50.7	51.0	51.3	51.6	51.9
26.1	50.0	50.3	50.6	50.9	51.2	51.5	51.8	52.1	52.4
26.4	50.5	50.8	51.1	51.4	51.7	52.0	52.3	52.6	52.9
26.7	51.0	51.3	51.6	51.9	52.2	52.5	52.8	53.1	53.4
27.0	51.5	51.8	52.1	52.4	52.7	53.0	53.3	53.6	53.9
27.3	52.0	52.3	52.6	52.9	53.2	53.5	53.8	54.1	54.4
27.6	52.5	52.8	53.1	53.4	53.7	54.0	54.3	54.6	54.9
27.9	53.0	53.3	53.6	53.9	54.2	54.5	54.8	55.1	55.4
28.2	53.5	53.8	54.1	54.4	54.7	55.0	55.3	55.6	55.9
28.5	54.0	54.3	54.6	54.9	55.2	55.5	55.8	56.1	56.4
28.8	54.5	54.8	55.1	55.4	55.7	56.0	56.3	56.6	56.9
29.1	55.0	55.3	55.6	55.9	56.2	56.5	56.8	57.1	57.4
29.4	55.5	55.8	56.1	56.4	56.7	57.0	57.3	57.6	57.9
29.7	56.0	56.3	56.6	56.9	57.2	57.5	57.8	58.1	58.4
30.0	56.5	56.8	57.1	57.4	57.7	58.0	58.3	58.6	58.9
30.3	57.0	57.3	57.6	57.9	58.2	58.5	58.8	59.1	59.4
30.6	57.5	57.8	58.1	58.4	58.7	59.0	59.3	59.6	59.9
30.9	58.0	58.3	58.6	58.9	59.2	59.5	59.8	60.1	60.4
31.2									

ALLISON ST Grades

	W 06	E 06	6.82 SE 1/4 6.82 Grand 7.33 3com 3/4 7.23 7.16 6.78 6.78
SL Garnet	14.00	14.00	
	13.20		
(R-VL) short	12.40		
	11.60		
	10.80		
2+70 NL Hornblend	10.00	10.00	
SL "	9.00	9.00	
	8.60		
(R-VL) short	8.20		
	7.80		
	7.40		
2+70 NL Grand	7.00	7.00	
SL "	6.00	6.00	
	5.40		
(R-VL)	4.80		
	4.20		
	3.60		
2+70 NL Thomas	3.00	3.00	

8.91 10
5.55 10
4.00 10
0.16 10

W	11.0	1.3N	12.4	11.6	10.8	10.0	9.00	8.6	8.8
	6.82	0.0	7.7	7.5	6.9	6.15	5.15	5.5	5.9
	6.92cb	1.4	7.9	7.6	7.0	6.1cb	5.1cb	5.2	5.6
		0.5	8.0					5.7	6.1
R	6.78	0.8	7.7	6.5	6.3	4.15	5.15	5.5	5.8
	6.92cb	1.4	7.9	7.6	7.0	6.1cb	5.1cb	5.2	5.6
		0.5	8.0					5.7	6.1
W	7.8	7.4	7.0						
	6.82	6.7	7.15						
	6.82	6.7	7.15						
	7.0	7.0	7.00cb						
E	6.82	6.7	7.15						
	6.82	6.7	7.15						
	-0.6	7.0	7.15cb						

17.80 NEMON CAS
Grand

	17.80					
	0.30					
	18.70					
	2.17					
	2.83					
	3.25					
	11.55					
	6.05					
	3.84					
	5.24					
W	6.00	5.4	4.8	4.2	3.6	3.00
	2.48	0.1	0.7	1.3	1.9	2.48
	0.16	-0.1	0.5	1.5	2.2	3.00
			0.2	0.2	0.3	0.16 H 0.00
E	2.49	0.1	0.7	1.3	1.9	2.49
	0.10L	0.1	0.7	1.3	1.9	2.49
		-1.3	-0.7	-0.1	0.0	0.09 H "

ALLISON ST. GRADES

	W 06	E 06
SL DIAMOND	31.0	31.0
o	30.10	
o	29.20	
o (5-V-L)	28.30	
o	27.40	
o 2+70 = NLE Emerald	26.50	26.50
SL "	25.0	25.0
o	23.90	
o (5-V-L)	22.80	
o	21.70	
o	20.60	
o 2+70 = NL Polipar	19.50	19.50
oo = SL "	18.0	18.0
o	17.40	
o (5-V-L)	16.80	
o	16.20	
o	15.60	
o 2+70 = NL Garnet	15.0	15.0

42000
 2077
 1072
 3121
 0.24
 3017
 277
 3724
 680
 313077
 5.230
 15113.7
 2072

W	31.0	30.1	29.2	28.3	27.4	26.5	25.0	23.9
E	31.0	30.1	29.2	28.3	27.4	26.5	25.0	23.9
W	22.8	21.7	20.6	19.5	18.0	17.4	16.8	16.2
E	22.8	21.7	20.6	19.5	18.0	17.4	16.8	16.2
W	15.6	15.0						
E	15.6	15.0						

221 71 20 29 38 47 67 73
 6290 71 20 29 38 47 67 73
 1.48 2.28 3.1 4.2 5.2 6.2 7.3
 2.28 3.1 4.2 5.2 6.2 7.3
 7.1 2.1 2.1 1.8 2.2 3.1 4.2 5.2 6.2 7.3
 1.48 2.28 3.1 4.2 5.2 6.2 7.3
 1.48 2.28 3.1 4.2 5.2 6.2 7.3
 1.48 2.28 3.1 4.2 5.2 6.2 7.3

	N cb	F cb
S.L. Low	57.50	52.50
54'S	51.40	46.40
108'S	56.30	51.30
162'S	49.20	50.30
216'S	48.10	49.10
270'S - H.L. Chalcedony	47.00	48.00
S.L. Chalcedony	46.00	47.00
54'S	44.90	45.80
108'S	43.80	44.60
162'S	42.70	43.40
216'S	41.60	42.20
270'S - H.L. Missouri	40.50	41.00
S.L. Missouri	39.50	40.00
54'S	38.00	38.40
108'S	36.50	36.80
162'S	35.00	35.20
216'S	33.50	33.60
270'S - H.L. Diamond	32.00	32.00

59.45 SAT Top Hrd
 8M5443 20m 11/15/07
 52.44

8-12-13 12

	N	F
52.50	51.40	50.30
0.79	1.9	3.0
	2.8	4.1
	-0.4	-0.1
		0.0
52.50	51.40	50.30
5.95	7.6	9.0
69.00	76	73
	71.6	70.7
		10.4
8M5443	H.F. 8.7	
	Obolcedony	
	Allison	
	1.5E of EL	
46.00	44.90	43.80
7.3	8.4	-1.2
7.9	8.9	0.8
-0.4	-0.5	-0.6
		-0.6
47.00	45.80	44.60
6.3	7.5	8.7
1.6	2.0	2.5
-0.3	-0.5	-0.7
		-0.4
		-0.7
		10.6
39.50	38.40	37.30
1.1	1.5	2.0
2.3	2.7	3.0
-0.3	-0.4	-0.5
		10.5
40.00	38.40	36.80
1.5	1.7	1.9
2.0	2.2	2.4
-0.5	-0.6	-0.7
		10.9
		11.3

	Wcb	FCb	
St. Leonard	71.00	72.00	1159.45
54'S	69.90	70.80	587.3
108'S	68.80	69.60	88.4
116'S	67.70	68.40	176.4
316'S	66.60	67.30	67.56
270'S - N. Milbar	65.50	66.00	67.1
St. Milbar	64.50	65.00	72.37
54'S	63.58	64.11	83.6
108'S	0.91 62.66	63.28	83.6
116'S	61.74	62.43	83.6
316'S	60.82	61.51	83.6
270'S - N. Beryl	59.90	60.70	83.6
St. Beryl	58.50	59.50	83.6
54'S	57.56	58.56	83.6
108'S	0.91 56.62	57.13	83.6
116'S	55.68	56.18	83.6
316'S	54.74	55.74	83.6
270'S - N. Lan	53.80	54.80	83.6

17.64 5 E Top Hill
 0.28 17.36 Milbar 17.56
 3M 17.56

	W	F				
	71.00	69.90	68.80	67.70	66.60	65.50
	3.37	1.4	5.5	6.6	7.7	8.8
	3.10cb	3.6	4.0	4.5	5.0	5.5cb
		70.8	70.0	69.1	68.2	67.3
	72.00	70.80	69.60	68.40	67.20	66.00
	3.37	3.5	4.1	4.7	5.3	5.9
	3.38cb	4.0	4.5	5.0	5.5	6.0
		71.6	70.7	69.8	68.9	68.0
	61.50	62.51	63.6	64.71	65.82	66.93
	3.12	4.0	5.0	6.0	7.0	8.0
	3.00cb	3.1	3.2	3.3	3.4	3.5
		70.9	70.3	69.7	69.1	68.5
	65.00	64.11	63.22	62.33	61.44	60.55
	3.37	3.5	4.1	4.7	5.3	5.9
	3.38cb	4.0	4.5	5.0	5.5	6.0
	67.64	67.5	67.4	67.3	67.2	67.1
	68.1	68.0	67.9	67.8	67.7	67.6
	3M 6.07	Beryl	Hill	Top	6.0	6.0
	58.50	57.51	56.62	55.73	54.84	53.95
	0.95	1.9	2.8	3.7	4.6	5.5
	0.85	0.7	1.00	1.3	1.7	2.1
		57.5	56.8	56.1	55.4	54.7
	59.50	58.51	57.62	56.73	55.84	54.95
		0.9	1.8	2.7	3.6	4.5
		1.6	2.3	3.0	3.7	4.4
		2.1	2.7	3.4	4.1	4.8

Willcox St Grader

8-17-28
 S. L. Hyacinth
 Willcox
 Flood
14

	Mcb	Fcb	
S.L. Tourmaline	87.00	87.00	511 71.97
53 S 55	85.10	85.10	78.24
106 S	83.80	84.20	78.24
159 S	82.80	82.80	78.24
212 S	80.60	81.40	78.24
365 S - HL Hyacinth	79.00	80.00	90.58
S.L. Hyacinth	77.50	78.50	
194 S 649 2	76.66	77.66	
98 S 15	75.83	76.83	
148 S 25	75.00	76.00	
197 S 69 S	74.16	75.16	
247 S 85	73.33	74.33	
296.50 S - HL Improvement of Spring	72.50	73.50	

	M	F					
	87.00	85.10	83.80	82.80	80.60	79.00	
	0.5	0.3	0.7	0.3	0.6	0.6	
	0.7	0.7	0.6	0.6	0.3	0.6	
	1.2	1.0	1.3	1.2	0.9	0.9	
	87.00	85.10	84.60	83.80	81.40	80.00	
	0.5	0.4	0.3	0.7	0.6	0.5	
	0.7	0.7	0.7	0.6	0.6	0.6	
	1.2	1.1	1.0	1.0	0.9	0.9	
	90.58	81.50					
	81	81					
	72.50	76.66	75.83	75.00	74.16	73.33	72.50
	0.7	0.7	0.6	0.6	0.5	0.5	0.5
	1.0	1.0	1.0	1.0	1.0	1.0	1.0
	78.50	77.66	76.83	76.00	75.16	74.33	73.50
	0.6	0.5	0.7	0.6	0.5	0.5	0.5
	0.6	0.5	0.7	0.6	0.5	0.5	0.5
	1.2	1.1	1.0	1.0	0.9	0.9	0.9

Tarboise St. Grades

8-21-16

16

	N	S	BM 106.3 Tarboise Hill
H.L. Hillman cut	102.50	103.70	109.76 107.87 105.98 104.10
122 E - H.L. Hillman		104.10	105.98
E.L. Hillman cut	104.90		
422 E - E.L. Hillman	106.20	106.00	
83 E	107.48	107.31	
125 E - E.L. of Top	108.76	108.62	

N	103.50	104.90	106.20	107.48	108.76
	6.3	1.4	3.1	1.3	1.3
	10.5	2.8	5.5	2.6	2.6
			12.0	4.9	4.9
S	103.70	104.10	106.00	107.21	108.62
			3.0	1.5	1.1
			7.1	16.1	14.6
			2.0	7.1	11.5

Allison St. Parry

18

Diamond

BN 3073 ^{SIX BP}
Diamond
211207

Emerald

Felspar

Used Top Cb

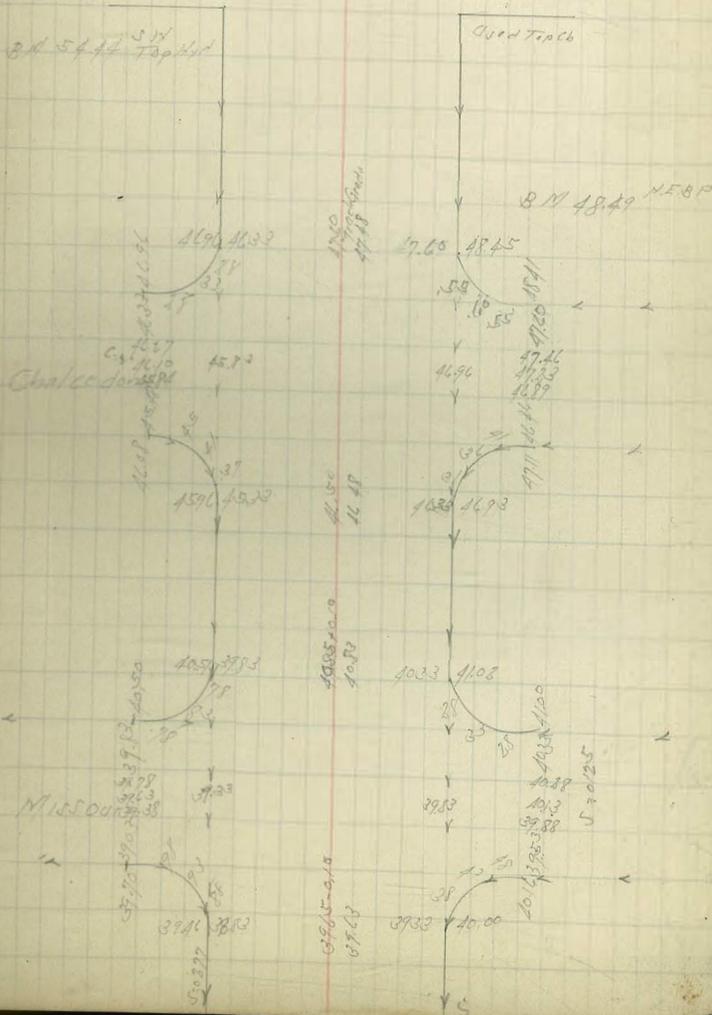
Top Cb

Used Top Cb

Garnet

Low

BN 5442 ^{SIX}
Top Cb



	7351	7001	7026	7021	7023
Lot 199					
1st Topo	1890	7075	7095	7100	7027
Topo	1671	1672	1655	1654	1607
					1st cut
					Topo

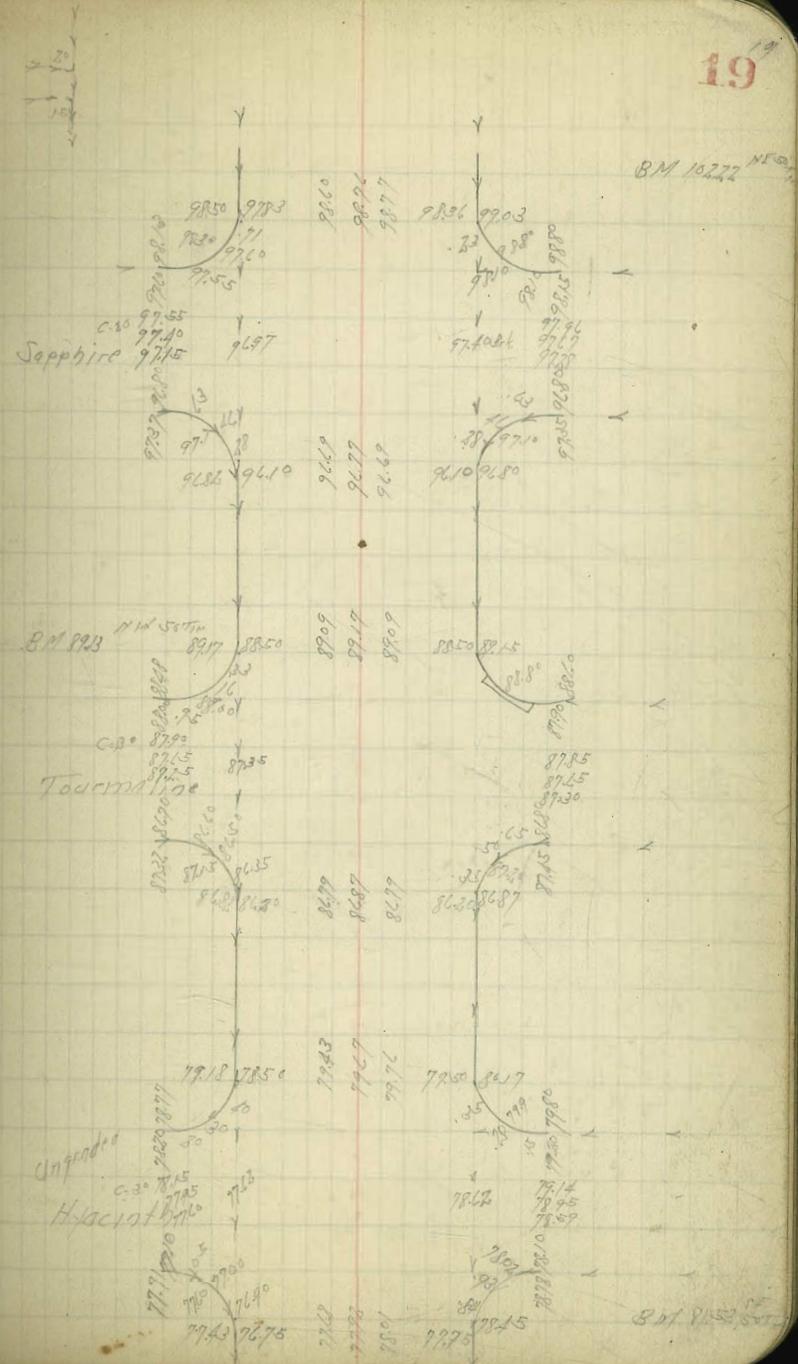
Wilbar

Topo	1st cut	1245	6089	6071	6090	6093	6082	6085	1st cut
		6289	6271	6290	6093	6082	6085	1st cut	
		6289	6271	6290	6093	6082	6085	1st cut	
		6289	6271	6290	6093	6082	6085	1st cut	

Beryl

1st cut Topo	
--------------	--

Lot



Fillmore St. Parking

20⁰⁰

BM 106.21 ^{NW} No. 7



Turquoise

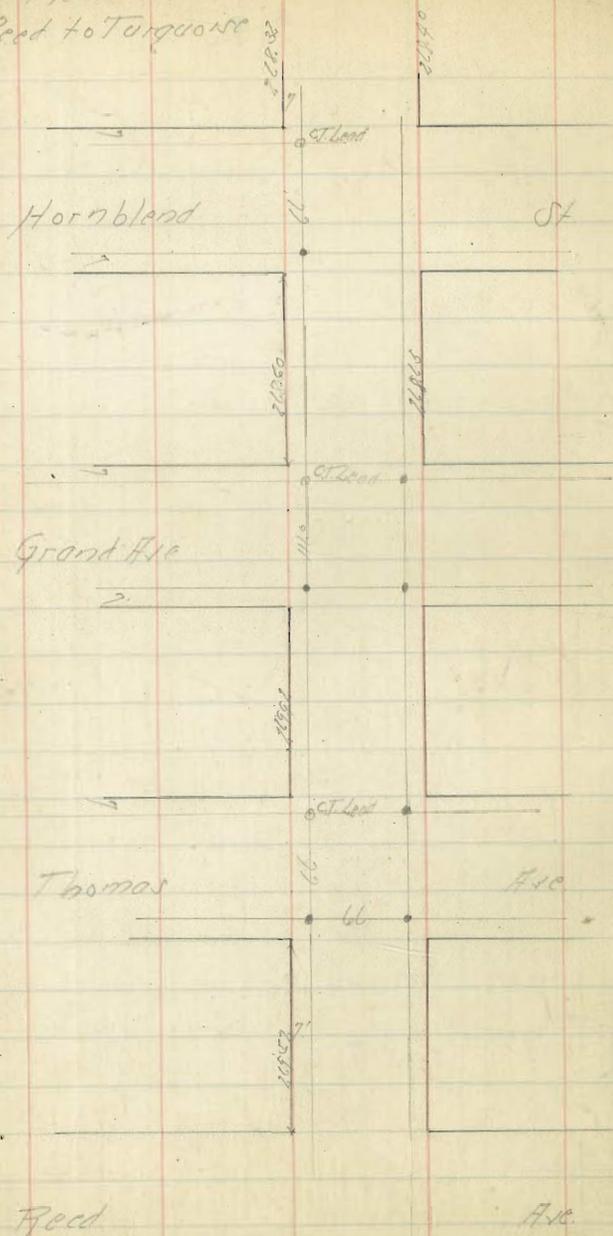
51

52	387	320	421	466	500	550	560
	390	370	417	449	466	455	573
	398	397	428	443	450	497	
	398	385	393	385	364	441	
	390	381	381	380	385	380	378



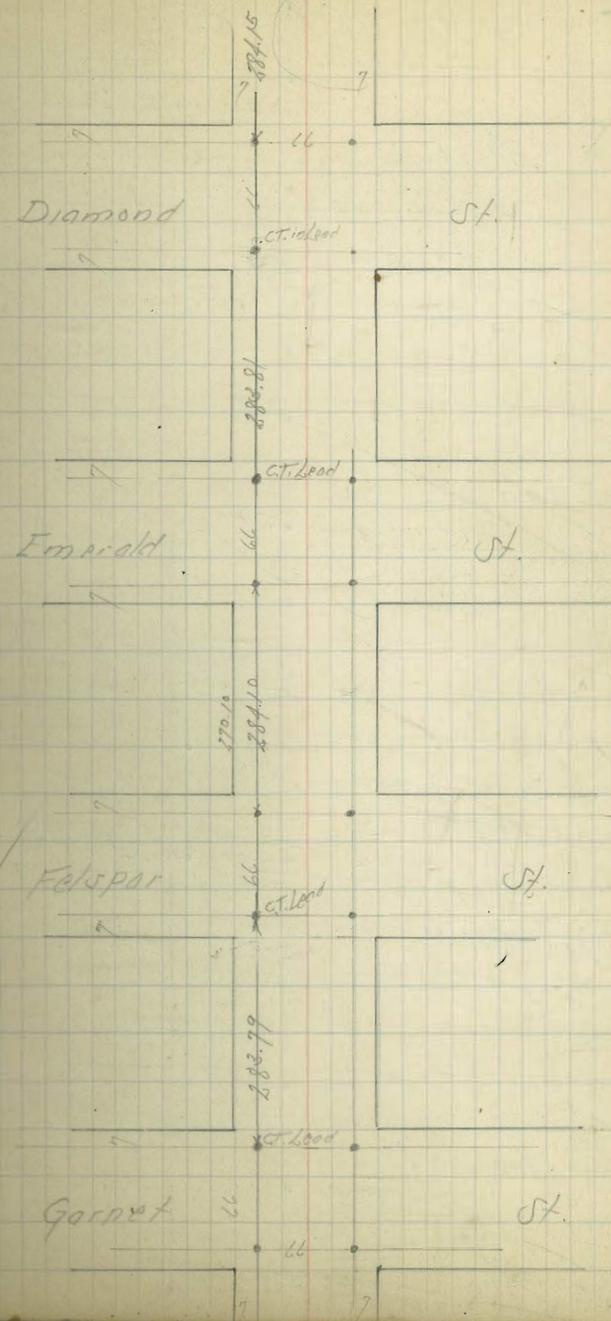
Cross St. Trac
Reed to Tanguine

Posted on the Paint Sheets 1753 & 1743
G-29-32. L.B.H.



Cross St.

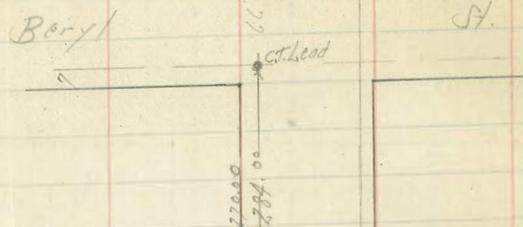
21



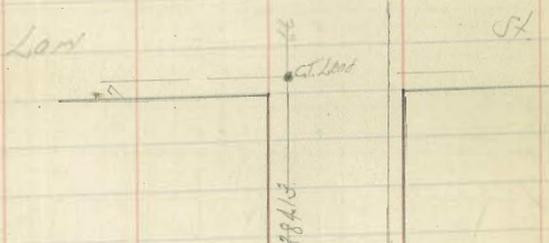
Posted on the Paint Sheets 1763 - 1753.
G-28-32. L.B.H.

Corr Station

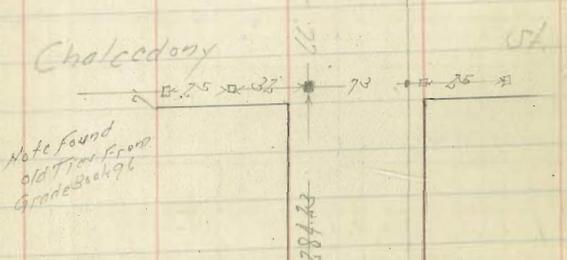
Beryl



Lam



Chalcedony



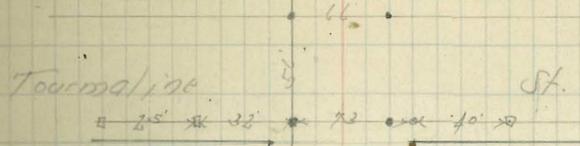
Missouri



Posted on Tie Point Sheets 1773 & 1763
G-28-32.

22

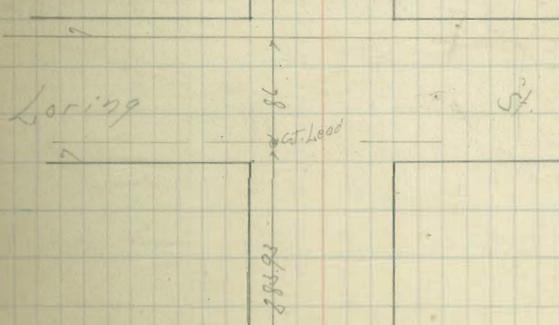
Tourmaline



Hyacinth



Loring



Wilbur



Posted on Tie Point Sheet 1783 & 1773.
G-27-32, L.B.H.

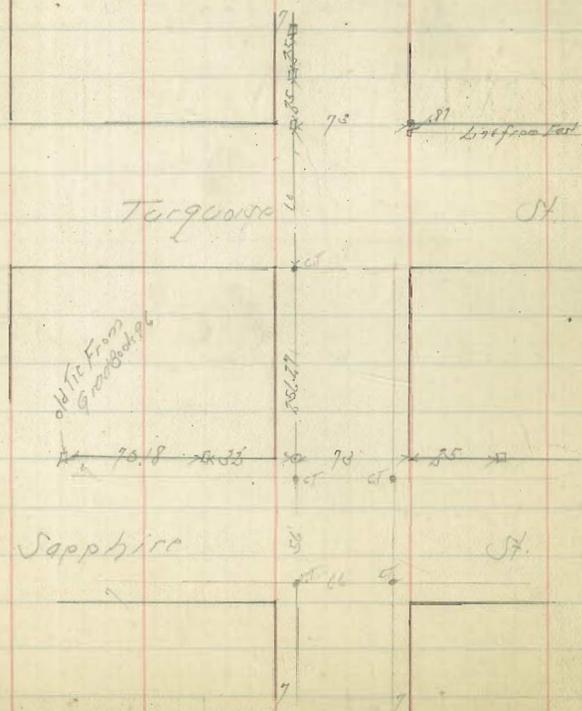
Car. St. Ties

Posted on Tie Point Sheets 1793-1783
6-24-32 L.B.H.

Boyard

W/Tie From
6-24-32

Sapphire

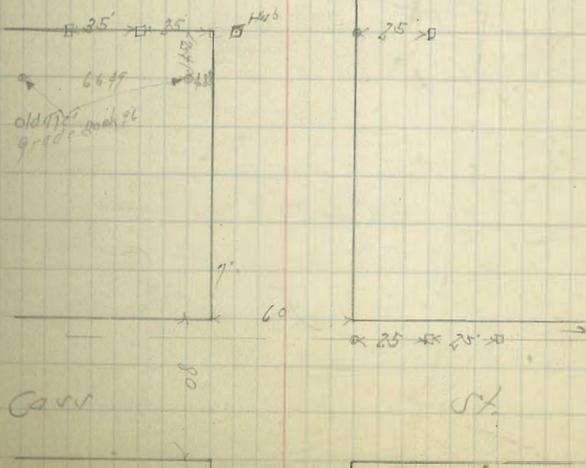


Turquoise ST Ties

23

Allison

Boyard St.



Can St. Grader

	W	F
270° H. S.L. Hornblend	21.00	22.00
225° H	20.75	21.16
180° H	19.50	20.33
135° H	18.75	19.50
90° H	18.00	18.67
45° H	17.25	17.83
N.L. Grader	16.50	17.00

270° H. S.L. Gravel	15.50	16.00
225° H	14.91	15.50
180° H	14.33	15.00
135° H	13.75	14.50
90° H	13.17	14.00
45° H	12.58	13.50
N.L. Thomas	12.00	13.00

270° H. S.L. Thomas	11.50	12.00
225° H	11.08	11.50
180° H	10.66	11.00
135° H	10.25	10.50
90° H	9.83	10.00
45° H	9.42	9.50
N.L. Road	9.00	9.00

B

10-17-28
Judson
McClure
Kearney
Flood

25

F	17.00	17.23	18.67	19.50	20.33	21.16	22.00
	5.79	5.0	4.1	3.3	2.5	1.6	0.8
Conc.	5.79	4.0	4.0	3.3	2.5	1.6	0.8
H	16.50	17.25	18.00	18.75	19.50	20.25	21.00
	6.89	5.5	4.8	4.0	3.3	2.5	1.7
Conc.	6.19	5.1	4.5	3.6	3.3	2.5	1.7
	22.79						
	17.00						

F	13.00	13.50	14.00	14.50	15.00	15.50	16.00
	2.6	1.6	1.7	1.7	1.8	1.9	1.9
	2.6	1.6	1.7	1.7	1.8	1.9	1.9

H	12.00	12.50	13.17	13.75	14.33	14.91	15.50
	3.63	3.0	2.5	1.9	1.3	0.7	0.1
Conc.	3.63	3.0	2.5	1.9	1.3	0.7	0.1

F	9.00	9.50	10.00	10.50	11.00	11.50	12.00
	6.63	6.1	5.6	5.1	4.6	4.1	3.6
	6.63	6.1	5.6	5.1	4.6	4.1	3.6

H	9.00	9.42	9.83	10.25	10.66	11.08	11.50
	6.63	6.2	5.8	5.4	5.0	4.6	4.2
	6.63	6.2	5.8	5.4	5.0	4.6	4.2

BM 1437 J. E. Thomas & Co.

Cons. St. Grades

	M	2 Conc	F	
270° N - S. Emerald	37.00	37.51	38.00	38.21 H. St. Form 3.90 2.53/9
225° N	36.33		37.33	3.50 3.94
180° N	35.66		36.66	32.06 10.03 42.09 Ford
135° N	35.00		36.00	
90° N	34.33		35.33	
45° N	33.67		34.67	
N. S. Felspar	33.00	2 Conc 32.54	34.00	

F	34.00	34.67	35.33	36.00	36.66	37.33	38.00
	8/	7/	6/	5/	5/	4/	4/
	7.8	7.0	6.7	5.9	5.0	4.4	3.8
	+0.8	+0.4	+0.7	+0.3	+0.4	+0.4	+0.8
M	33.00	33.67	34.33	35.00	35.66	36.33	37.00
	9/9	8/3	7/5	7/	6/4	5/8	5/0
		+0.1	+0.3	+0.0	+0.6	+0.3	+0.7 Conc

BM 3861 H. St. Emerald Conc

270° N - S. Felspar	32.00	2 Conc 32.54	33.00	
225° N				
180° N				
135° N				
90° N				
45° N				

32.00
10.00
10.00 Conc

N. S. Garnet	27.50		28.50	
270° N - S. Garnet	26.50	2 Conc 27.09	27.50	
225° N	25.75		26.75	
180° N	25.00		26.00	
135° N	24.25		25.25	
90° N	23.50		24.50	
45° N	22.75		23.75	
N. S. Hornblend	22.00	2 Conc 22.45	23.00	

35.00
6.10
6.58
BM 3861
15 Conc
38.54

F	28.00	29.75	31.50	33.25	35.00	36.75	38.50
	5/2	7.5	9.7	11.5	13.2	15.0	16.7
	4.2	4.7	5.3	5.9	6.4	7.0	7.6
	+0.8	+0.8	+0.7	+0.7	+0.7	+0.5	+0.9
M	26.00	27.75	29.50	31.25	33.00	34.75	36.50
	6.1	5.5	4.7	4.0	3.2	2.5	1.7
	6.14 Conc	+0.2	4.0	3.3	2.7	2.0	1.3
			+0.7	+0.7		curb 1.0	

Cross of Grades

H	F	11/8/27	11/8/27
265' N - S.L. Tournelle	110.20	110.20	110.20
212' N	108.70	108.70	108.70
159' N	107.20	107.20	107.20
106' N	105.70	105.70	105.70
53' N	104.20	104.20	104.20
N.L. Hyacinths	102.70	102.70	102.70

H	F	11/8/27	11/8/27
265' N - S.L. Hyacinths	100.70	100.70	100.70
212' N	99.20	99.20	99.20
159' N	97.80	97.80	97.80
106' N	96.40	96.40	96.40
53' N of N.L. Loring	95.00	94.94	94.94
28-37' N - N.L. of Loring	93.60	93.50	93.50
N.L. of Improvement	92.70	92.51	92.51
376' N - S.L. Loring	89.90	90.50	90.50
225' N	88.65	89.25	89.25
180' N	87.40	88.00	88.00
135' N	86.15	86.75	86.75
90' N	84.90	85.50	85.50
45' N	83.65	84.25	84.25
N.L. Wilbur	82.40	83.00	83.00

11/16
11/22
21/10/94
S.M. 25716
Tournelle + Corr

F	10/2/70	10/4/70	10/5/70	10/7/70	10/8/70	11/0/70
	115	70.9	85	70	55	40
	107	71.8	64	72	48	31
	40.8	71.8	73.1	73.6	71.6	71.5

F	9/2/50	9/4/50	9/6/50	9/2/51	9/2/51	100/70
	3.39	4.0	0.5	1.3	7.8	1.1
	3.1	2.5	0.5	4.4	5.5	1.8
	70.3	70.5	0.0	-0.1	-0.7	-0.4

F	83.00	84.25	85.50	86.75	88.00	89.25	90.50
	3.3	2.0	0.8	10.1	8.9	7.6	6.40
	70.4	70.2	-0.5	70.9	70.9	70.6	66.00

F	82.40	83.65	84.90	86.15	87.40	88.65	89.90
	3.87	3.6	1.4	0.1	7.5	8.2	6.99
	39.3	36	-0.4	-0.4	7.7	8.2	66.00

Torguise St Grades
 Con to S.D.F.R.P.

900.70 N - EL 8/11/50	S	104.90	BM 133.76
658.50 - EL 8/11/50	106.00	106.24	135.77
610.65	107.50	107.72	136.03
568.80	109.00	109.20	136.18
514.95	110.50	110.67	136.37
467.10	112.00	112.15	136.05
419.25	113.50	113.63	136.20
371.40	115.00	115.11	136.13
323.55	116.50	116.59	136.23
275.70	118.00	118.06	136.23
227.85	119.50	119.54	136.23
180 N - Brook	121.00	121.00	136.23
135 N	122.40	122.40	136.23
90 N 4.45	123.80	123.80	136.23
45 N	125.20	125.20	136.23
W.L. Bayard	126.60	126.60	136.23
379.20 N - E.L. Bayard	127.60	127.60	136.23
337.00 N	128.87	128.48	136.23
294.95 N	129.12	129.35	136.23
252.79 N	129.90	130.23	136.23
210.66 N	130.67	131.11	136.23
168.52 N	131.44	131.99	136.23
126.39 N	132.20	132.89	136.23
84.26 N	132.97	132.75	136.23
42.13 N	133.74	134.66	136.23
W.L. Con	134.50	135.50	136.23
EL 605	135.00	136.00	136.23

116.50	115.11	113.63	112.15	110.67	109.20	107.72	106.24	104.90
118	113	115	117	121	125	131	137	143
+1.8	+1.5	+2.8	+2.7	+2.6	+5.1	+8.0	+2.5	+4.7
116.50	115.00	113.50	112.00	110.50	109.00	107.50	106.00	
118	113	115	117	121	125	131	137	
+1.8	+1.5	+2.8	+2.7	+2.6	+5.1	+8.0	+2.5	
128.30	125.70	123.10	120.50	117.90	115.30	112.70	110.10	
128	125	123	120	117	115	112	110	
+1.8	+1.5	+2.8	+2.7	+2.6	+5.1	+8.0	+2.5	
128.30	125.70	123.10	120.50	117.90	115.30	112.70	110.10	
128	125	123	120	117	115	112	110	
+1.8	+1.5	+2.8	+2.7	+2.6	+5.1	+8.0	+2.5	
128.30	125.70	123.10	120.50	117.90	115.30	112.70	110.10	
128	125	123	120	117	115	112	110	
+1.8	+1.5	+2.8	+2.7	+2.6	+5.1	+8.0	+2.5	
128.30	125.70	123.10	120.50	117.90	115.30	112.70	110.10	
128	125	123	120	117	115	112	110	
+1.8	+1.5	+2.8	+2.7	+2.6	+5.1	+8.0	+2.5	

Turquoise St Grades

	S	N	BM 101.21
982.20W - PC	74.40	72.60	107.52 107.52 91.56 91.56 97.53 97.53 117.3 117.3 88.26 88.26 116.79 116.79
940.80W	74.60	73.92	
898.20W 5.20	74.80	74.24	
856.20W	75.00	74.56	
814.20W	75.20	74.88	
772.20 - S.C.	75.40	75.20	
732.2W 3.4 out	75.90	75.80	26.79 20.1 83.10
692.2W	77.30	77.30	
652.2W - PVC	79.40	79.40	
612.2W	82.40	82.40	
572.2W 2.5	85.40	85.40	
532.2W	88.40	88.40	
492.2W - PVC	91.40	91.40	
452.2W	93.60	93.60	
412.2W	95.50	95.50	
372.2W	96.90	96.90	
332.2W PVC	98.00	98.00	
292.2W	98.94	98.92	
252.2W	99.88	99.83	
157.2W 1.45	100.86	100.75	
112.2W	101.76	101.67	
67.2W	102.70	102.58	
22.2W - H.L. Allison 09.5	103.64	103.50	
H.L. Allison 09.5	104.10		

88.06
11.219
76.4
5.50 T10 PC

BM 101.21

10-28-21
32

	N	S	N	S	N	S	N	S
	75.20	75.20	74.88	74.56	74.24	73.92	73.60	
	12.3	12.9	13.2	13.5	13.8	14.1	14.5	
	17	out	19.0	19.0	19.2	19.5	19.8	
	75.20	75.40	75.20	75.00	74.80	74.60	74.40	
	out	12.7	12.9	13.1	13.3	13.5	13.7	
	18.6	18.6	18.5	18.5	18.5	18.6	18.8	
	75.50	93.60	91.40	89.40	87.40	85.40	83.40	81.40
	12.0	1.4	1.9	2.2	2.9	3.6	4.3	5.0
	18.0	18.7	18.0	17.7	17.3	16.5	15.8	15.2
	75.50	93.60	91.40	89.40	87.40	85.40	83.40	81.40
	12.1	1.2	1.6	1.9	2.6	3.3	4.0	4.7
	18.7	17.1	17.2	17.4	15.8	14.3	12.3	10.2
	103.50	103.58	101.67	100.75	99.83	98.92	98.00	96.90
	1.0	2.8	5.8	5.8	7.0	8.2	9.5	10.6
	13.4	13.8	13.4	13.1	12.7	11.8	11.0	10.2
	104.10	103.64	102.70	101.76	100.82	99.88	98.94	98.00
	3.2	3.9	5.8	5.8	7.0	8.2	9.5	10.6
	11.0	11.0	11.0	10.1	9.6	9.3	9.1	9.0

La Solla Boulevard Grades

Station	Grade	Notes	Grade
686.53M	69.50		70.00
636.53M	69.57		70.07
586.53M	69.64		70.14
536.53M	69.71		70.21
486.53M	69.78		70.28
436.53M	69.85		70.35
386.53M	69.92		70.43
336.53M	70.00	8.0m 70.09	70.50
286.46M	70.43		70.71
240.38M	70.86		70.93
192.30M	71.23		71.14
144.23M	71.71		71.36
96.15M	72.14		71.57
48.07M	72.57		71.78
10.00	73.00		72.00
9	73.14		72.16
8	73.28		72.32
7	73.42		72.48
6	73.56		72.64
5	73.70		72.80
4	73.84		72.96
3	73.98		73.12
2	74.12		73.28
1	74.26		73.44
P.C.P.	74.40		73.60

Station	Grade	Notes	Grade
70.25	70.28		70.31
70.14	70.07		70.00
69.95	69.78		69.57
69.78	69.57		69.50
71.28	71.57		71.36
71.14	70.93		70.71
70.93	70.71		70.50
70.71	70.50		70.43
71.23	71.14		71.14
71.14	70.93		70.93
70.93	70.71		70.71
70.71	70.50		70.50
70.50	70.35		70.35
70.35	70.28		70.28
70.28	70.21		70.21
70.21	70.14		70.14
70.14	70.07		70.07
70.07	70.00		70.00

1174.60
8.66
70.94
8.50
79.44
71.28
78.72
BM
10/18/87
10/11/87
with
Calimo
778

139832M PL 1788 074	23.60	0206
137332M PL 1788 074		23.35 0206
135432M PL 1283 074	73.09	73.13
130893	72.46	72.60
126353	71.88	72.08
121813	71.30	71.57
117273 7.45 0.57	70.73	71.05
112733	70.15	70.53
108193	69.58	70.02
103653M - Brk 1082.05 Cal. 11/87	69.00	69.50
98653M	69.07	69.57
93653M	69.14	69.64
88653M	69.21	69.71
83653M	69.28	69.78
78653M	69.36	69.86
73653M	69.43	69.93

F	70.02	70.53	71.05	71.57	72.08	72.60	73.12	73.35 06
	4.6	4.0	3.5	3.8	3.5	6.8	6.3	
	4.2	4.0	3.3	4.8	4.4	6.3	5.3	
	40.2	40.0	40.2	40.2	40.4	40.6	41.0	
M	69.58	70.15	70.73	71.30	71.88	72.46	73.03	73.60 06
	5.0	4.1	3.9	3.3	3.7	7.5	7.1	
	4.5	4.4	3.6	4.7	3.7	7.5	7.3	
	40.2	40.0	40.2	40.2	40.4	40.6	41.0	
F	69.93	69.86	69.78	69.71	69.64	69.57	69.50	
	4.7	3.7	3.8	3.9	3.9	5.0	5.1	
	4.9	3.2	3.0	3.7	3.7	5.0	4.3	
	41.7	41.5	41.0	41.2	41.2	41.0	40.3	
M	69.43	69.31	69.28	69.21	69.14	69.07	69.00	
	5.2	5.3	5.3	5.4	5.5	5.5	5.6	
	4.7	4.7	4.6	4.7	4.4	4.7	4.7	
	41.7	41.7	41.6	41.5	41.0	41.1	41.5	

Lo Sella Boulevard Culverts

10-29-28

Culvert N° 3 and N° 4

11-1-28

Culvert Marked on Map of Felspar St.

Culvert N° 1 80 Reinforced Conc Box #17667 91 Feet

NE End of Culvert	67.90	67.50	67.50	67.50
Top Pipe 11' E of	67.77			
80' S.W. of End of Culvert	66.00			
NE End 15' lot	70.50			
S "	70.57			
NE End 15' lot	70.00			
S "	70.13			

Culvert N° 2 70 Reinforced Conc Box

NE End of Culvert	67.10	66.00	66.00	66.00
Top Pipe on Set	67.07			
75' S.W. of End of Culvert	65.50			
East Side				
NE End of Inlet	69.60			
75' N + S of 2 Pipe				
S End of 1/2 lot	69.48			
West Side				
NE End of Inlet	69.10			
S "	68.90			

Culvert N° 3 and N° 4

Top Cb	34.00	1.78		
Flow Line	29.00	1.58		
27.95'	28.50			
55.7' S. Culvert N° 2	33.00	2.78		
Foot End of N° 2	32.00			
NE 1/4 of lot N° 2	37.14			
92.32'	36.18			
138.48'	35.22			
184.64'	34.26			
230.80'	33.30			
276.96'	32.34			
323.12'	31.38			
369.28'	30.42			
415.44'	29.46			
461.60'	28.50			
507.76'	27.54			
553.92'	26.58			
600.08'	25.62			
646.24'	24.66			
692.40'	23.70			
738.56'	22.74			
784.72'	21.78			
830.88'	20.82			
877.04'	19.86			
923.20'	18.90			
969.36'	17.94			
1015.52'	16.98			
1061.68'	16.02			
1107.84'	15.06			
1154.00'	14.10			

Top Cb 18.00

1154' N. Exhibing plot 856 - 11.00

1500
28.54
7.24
35.78
11.14
26.64
11.7
15.03
14.57
10.58
12.2
17.54
11.94
13.93
13.54
13.04
13.93
15.04
11.94
13.94
17.4
10.13
13.71
5.33
13.77
6.44
13.60
6.98
5.78
13.53
7.54
13.04
13.74
8.66
5.33
13.31
9.78
11.4
12.64
10.90
11.88

6.90 Top 06

Cross St. Sowers
Road to Turquoise

Stakes Offset W of E ditch

Section 2 Alley North of Road

EL Cass	3.02	14.83 6.80 78.03	SM 14.63 3.30 11.94 15.45 1.61 17.64	SE Thomas 4 Cass 16.21 1.08 15.76 1.15 14.05 3.21 31.58
40' N - MH	2.70			
80' N - H.L. Cass	2.08	15.57 7.31 78.21		NE Green Kass 28.54

Section 2 Alley North of Thomas

EL Cass	7.69	13.26 15.60	13.26	
40' N - MH	7.33			
80' N - H.L. Cass	6.97	13.26 17.1		

Section 2 Alley North of Grand Ho

EL Cass	13.37	16.29 +6.31	12.26	
40' N - MH	13.03		12.26	
80' N - H.L. Cass	12.62	12.62 +6.51		

Section 2 Alley North of Hornblend

EL Cass	18.65	18.10 15.5	13.66	
40' N - MH	18.39		13.66	
80' N - H.L. Cass	17.99	14.06 12.39 +7.0		

Section 2 Alley North Garnet

EL Cass	23.54	14.41 7.80 23.85 +6.77	14.70	
40' N - MH	23.30		14.70	
80' N - H.L. Cass	23.06	15.36 18.97	14.70	

Section 2 Alley North of Felcpor

EL Cass	29.55	87.6 7.07	81.25	NE Garnet Cass
40' N - MH	29.07		81.25	
80' N - H.L. Cass	28.59	5.18 3.59 +6.6	81.25	

Section 2 Alley North of Emerald

EL Cass	34.52	12.30 -6.83	13.30	
40' N - MH	33.96		13.30	
80' N - H.L. Cass	33.48	14.31 1.04 +9.30	13.30	

Section 2 Alley North of Diamond

EL Cass	42.44	14.42 8.75 +6.72	14.42	
40' N - MH	41.88		14.42	
80' N - H.L. Cass	41.32	15.34 0.55 +8.78	14.42	

Section 2 Alley North of Missouri

EL Cass	50.60	15.98 +6.84	15.98	
40' N - MH	50.08		15.98	
80' N - H.L. Cass	49.56	17.02 10.97 +6.35	15.98	

Section 2 Alley North of Chalcedony

EL Cass	57.66	9.25 4.63 +7.67	9.25	
40' N - MH	57.10		9.25	
80' N - H.L. Cass	56.54	10.04 2.90 +7.14	9.25	

Cross St Sentries

Sentry of Alley North of Lat offered C.A.

E.L. Carr	63.65	1467 597 +620	75.29 41 0.88
40'H - M.H.	62.97	1335 +717	76.41 40.55
80'H - W.L. Carr	62.29	1303 550 +753	81.27 89.66

80'H 90.66
M.H. Carr
80.25

Sentry of Alley North of Berry

E.L. Carr	70.66	1431 515 +916	15.91 ✓ 9.61
40'H - M.H.	69.92	1583 +791	✓
80'H - W.L. Carr	69.60	1583 +771	

Sentry of Alley North of Wilbur

E.L. Carr	80.93	988 388 +600	84.66 00.10 74.92
40'H - M.H.	80.24	1060 +636	
80'H - W.L. Carr	79.79	1113 +619	

Sentry of Alley North of Lothrop

E.L. Carr	90.72	1025 328 +697	102.74 00.25 100.88
40'H - M.H.	89.94	1103 379 +724	
80'H - W.L. Carr	89.54	1163 380 +783	97.14 00.50 88.27

Sentry of Alley North of Hyacinth

E.L. Carr	100.71	1052 347 +705	80 100.71 00.25 117.07
40'H - M.H.	100.26	1100 359 +741	10.11
80'H - W.L. Carr	99.78	1163 380 +783	108.05 00.50 171.26

Sentry of Alley North of Tourmaline offered C.A.

E.L. Carr	110.07	47.22 110.72 110.00	117.29 00.50
40'H - M.H.	109.31	1787 109.17 1199	127.27
80'H - W.L. Carr	107.87	+6.78 109.54 13.33	13.33

Sentry of Alley North of Sapphire

E.L. Carr	123.25	+2.04	
40'H - M.H.	122.96	+6.97	
80'H - W.L. Carr	121.72	+7.76	

Turquoise St West of Hillman St

21.25 N of S. Turquoise	83.41	1584 1035 +549	107.50 00.25 105.54
21.25 S of . . .	83.91	1627 1015 +612	11.25 96.55 97.55

Hay N. 1st

Station of oil & fuel

Bit. Col. 1st. 1st. 1st. 1st.

Station	1st	2nd	3rd	4th
Carb. inlet - 50 Line Hay N. 1st	262.80	264.30	267.50	267.50
30 N - Carb. inlet - NCB " " CR N. 1st	262.30	262.80	267.77	267.77
10.59 N of CR N. 1st - 2	262.07	262.07	267.77	267.77
40.59 N - Brake	260.00	260.00	267.77	267.77
65.59 N	254.00	254.00	267.77	267.77
90.59 N	248.00	248.00	267.77	267.77
115.59 N	243.00	243.00	267.77	267.77
140.59 N - End	236.00	236.00	267.77	267.77

2-12-57
S. 12-57
Rep. 1957
Hay N. 1st
CR N. 1st
43

Garnet St. Water Grader

Fire Hydrant SE Garnet & Poodlakoo

BN	053	45.13	4510	10780 Garnet & Olney
Top of SE of P. Poodlakoo			3490	1073 1132 -0.69

Water Grader Garnet & Grand Sec.

BN	094	46.04	4510	10780 Garnet & Olney
W	013	42.20	4227	10780 1132 -0.69
Main of Garnet		23.30	2330	10780 1132 -0.69
57'S of Main - Flushing within Grand Sec.			1550	10780 1132 -0.69

Garnet & Poodlakoo

NW Cor	N	36.70	4.5 2.7 1.8	87 4510 10780 1132 -0.69
" " "	N	37.20	1.0 3.7 1.3	87 4510 10780 1132 -0.69
NE Cor	N	36.70	4.5 1.7	87 4510 10780 1132 -0.69
" " "	E	35.50	5.7 2.8	87 4510 10780 1132 -0.69
SE Cor	E	35.10	1.1 2.8 -0.7	87 4510 10780 1132 -0.69
" " "	S	34.50	1.7 1.8 -0.1	87 4510 10780 1132 -0.69
SW Cor	S	35.00	1.4 1.1 -0.3	87 4510 10780 1132 -0.69
" " "	N	36.50	1.6 1.1 -0.5	87 4510 10780 1132 -0.69

Water Grader Garnet & Poodlakoo

NW Garnet	30.64	2.0 1.5 0.5	87 4510 10780 1132 -0.69
1/2 S - 1/2 Garnet NW	37.04	2.2 1.3 0.9	87 4510 10780 1132 -0.69
1/2 S - 1/2 Garnet	37.44	1.0 1.5 0.5	87 4510 10780 1132 -0.69

Nutmeg St. Water Grades
Columbia to State

BM 1359 ^{Top Tech 10 Wall}
Nutmeg & State

	Top Cb	Bottom Ditch	
IL Columbia	129.00	126.00	10.40
30 E		127.50	^{8.2} +2.5
60 E - NYC	132.00	129.00	^{2.40} +3.0
100 E	133.30	130.20	^{6.10} +3.1
140 E - Etc	133.40	130.40	^{6.00} +3.0
170 E		129.90	^{6.50} +3.5
200 E - H.L. State	132.50	129.50	^{6.30} +3.0
275 E - Main on State St		122.00	
75 E - End Plug		108.10	^{8.30} +1.5
		107.40	+1.3

State St. Water Grades

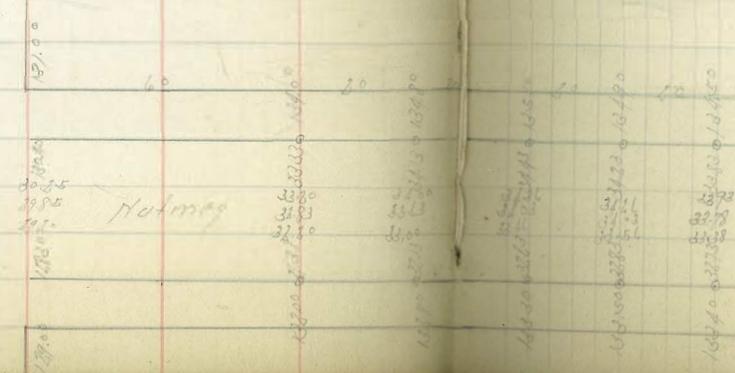
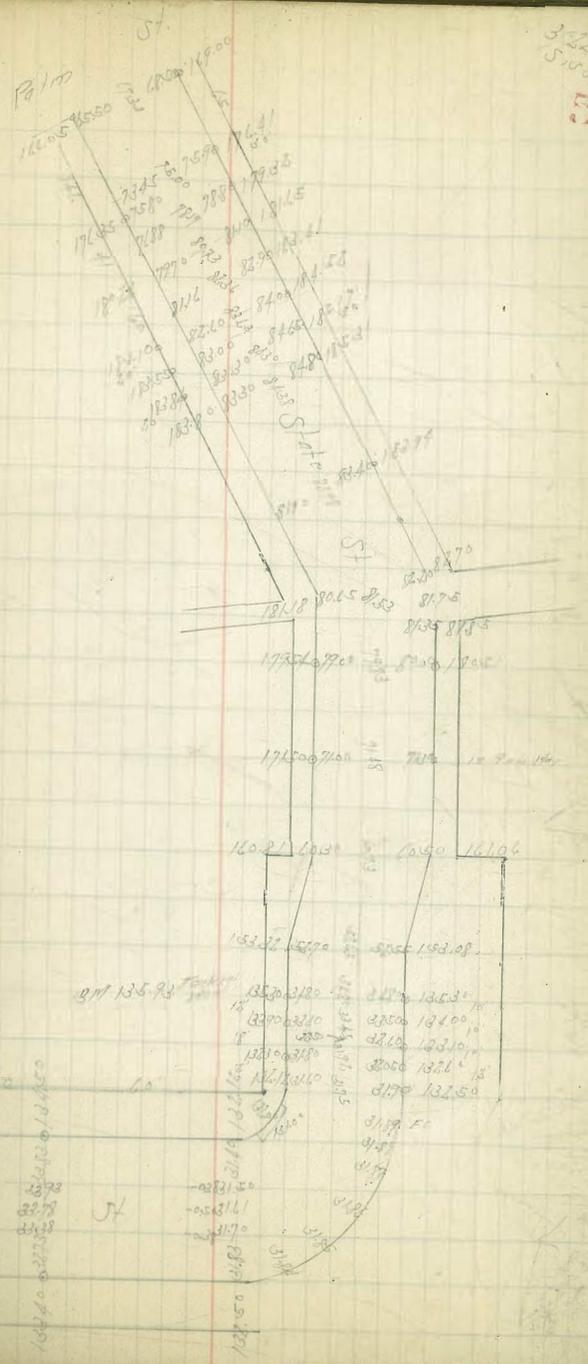
2-25-99
5477
477

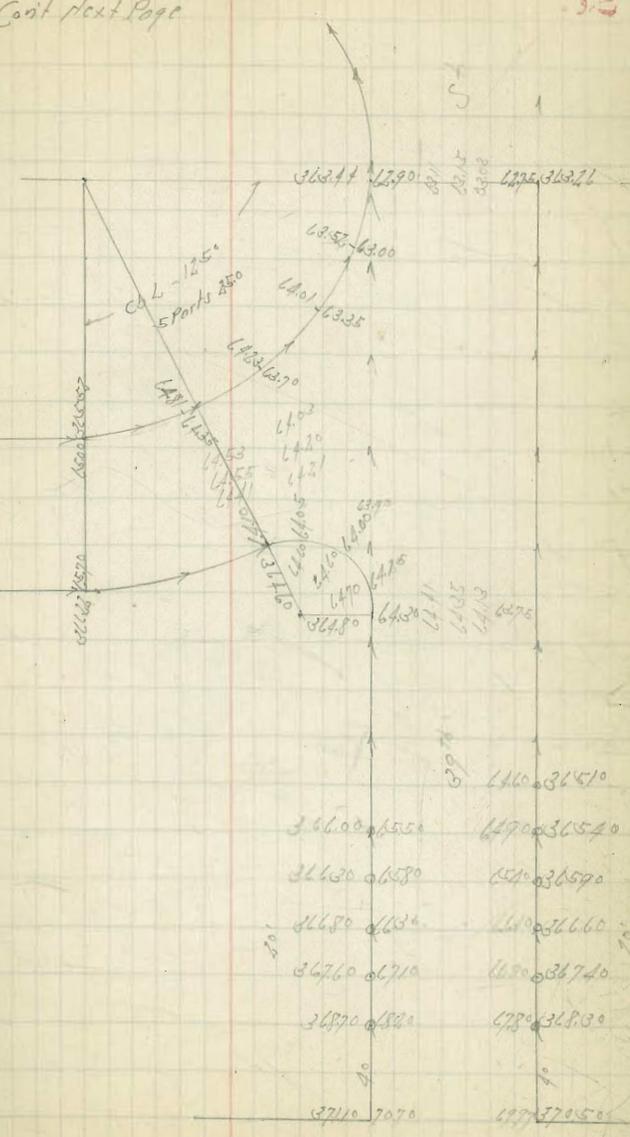
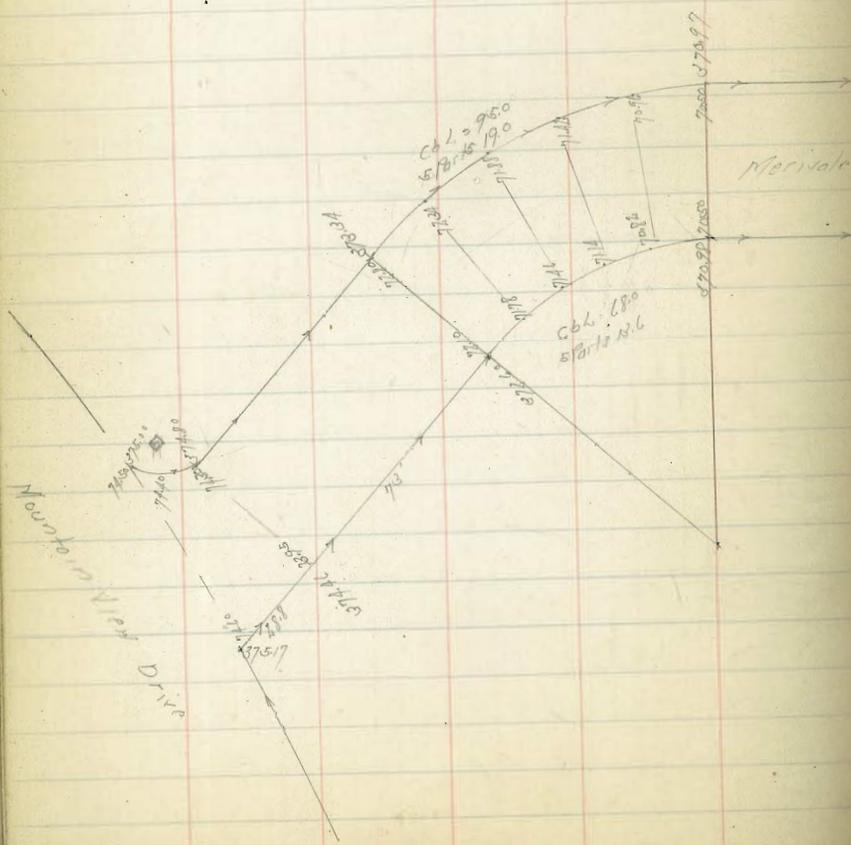
141. Reynard Way	54.10	^{13.30} +6.8		
164 E - Berk	54.50	^{97.14} +12.594		
149 N	49.50	^{2.27} +6.50		
71.48 N - Berk H.L. Bond	84.50	^{19.86} +12.2		
109.91 N	96.00	^{13.36} +6.35		
148.14 N	99.50	^{10.91} +6.57		
186.47 N - Berk H.L. Bond	107.00	^{9.11} +6.3		
211.47	112.15	^{10.10} +6.91		
236.48 - Top of Nutmeg H.L. Bond	129.30	^{9.10} +6.7		
281.47 - N.L. Nutmeg	129.30	^{7.10} +6.7		
50 N.L. Nutmeg	133.15	^{6.50} +5.92		
41 " "	125.30	^{1.30} +6.21		
80.15 N	138.01	^{9.92} +3.33		
119.30 N	143.94	^{10.2} +5.50		
156.45 N - L	149.83	^{10.82} +3.91		

BM 5477 ⁵⁸⁹²
Journal
Columbia
14256

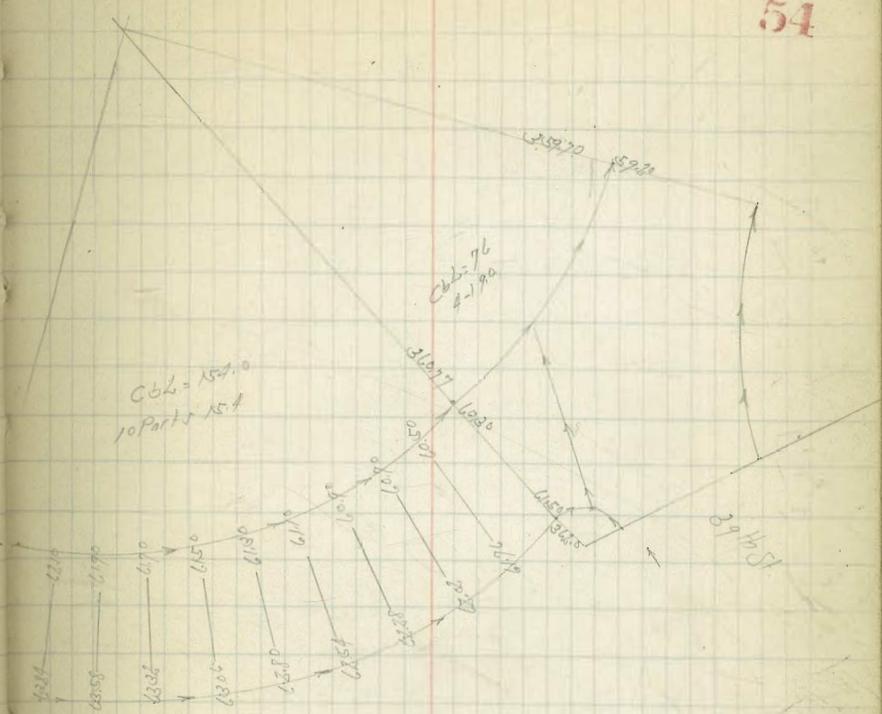
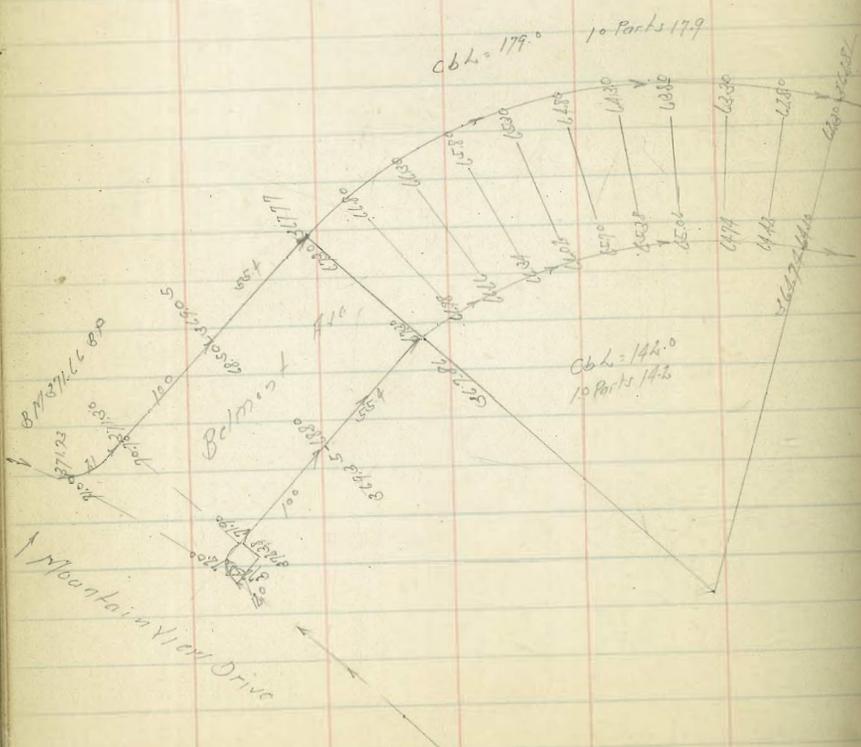
State - Nutmeg Sts Parking

322.89
515.57
50





Adams Ave
BM 57087 SP 08



Adams Ave. And 39th St.
Sewer Grades

3-14-29

39th St. Sewer North of Adams
And Circle Dr

3-22-29
56

0+0 = DE	263.06	119.5 +57.8	3137.97 +39.1
5+41 148E	262.39	122.5 +57.8	3137.97 +39.1
+84E	261.72	122.5 +57.8	3137.97 +39.1
1+26E	261.05	122.5 +57.8	3137.97 +39.1
1+68E	260.38	122.5 +57.8	3137.97 +39.1
2+105E: M.H.N. #12 A9°	259.70	122.5 +57.8	3137.97 +39.1
2+347.5N	259.05	122.5 +57.8	3137.97 +39.1
2+79.50N: M.H.N. #13 A9°	259.00	122.5 +57.8	3137.97 +39.1
3+27N	258.67	122.5 +57.8	3137.97 +39.1
3+74.5N	258.34	122.5 +57.8	3137.97 +39.1
4+122.00N	258.00	122.5 +57.8	3137.97 +39.1
4+69.50N	257.67	122.5 +57.8	3137.97 +39.1
5+117.0N	257.34	122.5 +57.8	3137.97 +39.1
5+64.50N: D.M.H.N. #1	257.00	122.5 +57.8	3137.97 +39.1
D.M.H.N. #1	265.50	122.5 +57.8	3137.97 +39.1
47N of D.M.H.N. #1	266.15	122.5 +57.8	3137.97 +39.1
91N	266.80	122.5 +57.8	3137.97 +39.1
141N	267.45	122.5 +57.8	3137.97 +39.1
188N	268.10	122.5 +57.8	3137.97 +39.1
235N: DE	268.75	122.5 +57.8	3137.97 +39.1

D.M.H.N. #1	357.00	154.7 +115.5	370.87 +1.02 +3.21
488N	356.67	154.7 +115.5	370.87 +1.02 +3.21
93.66E	356.34	154.7 +115.5	370.87 +1.02 +3.21
144.49N	356.01	154.7 +115.5	370.87 +1.02 +3.21
187.33N	355.68	154.7 +115.5	370.87 +1.02 +3.21
234.11N	355.35	154.7 +115.5	370.87 +1.02 +3.21
281.0N: M.H.N. #1	355.02	154.7 +115.5	370.87 +1.02 +3.21
338.66N	354.69	154.7 +115.5	370.87 +1.02 +3.21
371.37N	354.36	154.7 +115.5	370.87 +1.02 +3.21
424.0N: M.H.N. #2 A 41°06'	354.03	154.7 +115.5	370.87 +1.02 +3.21
470.15N	353.69	154.7 +115.5	370.87 +1.02 +3.21
511.50N	353.37	154.7 +115.5	370.87 +1.02 +3.21
543.75N	353.04	154.7 +115.5	370.87 +1.02 +3.21
609.0N: M.H.N. #3 A 39°38'	352.72	154.7 +115.5	370.87 +1.02 +3.21
651.0N	352.37	154.7 +115.5	370.87 +1.02 +3.21
709.0N: M.H.N. #4 A 54°01'	352.06	154.7 +115.5	370.87 +1.02 +3.21
751.0N	351.73	154.7 +115.5	370.87 +1.02 +3.21
793.0N	351.41	154.7 +115.5	370.87 +1.02 +3.21
835.0N	351.14	154.7 +115.5	370.87 +1.02 +3.21
877.0N	350.84	154.7 +115.5	370.87 +1.02 +3.21
919.0N: M.H.N. #5 A 34°12'	350.55	154.7 +115.5	370.87 +1.02 +3.21
945.0N	350.27	154.7 +115.5	370.87 +1.02 +3.21
1004.0N: M.H.N. #6	350.00	154.7 +115.5	370.87 +1.02 +3.21

Meenala Hill Sappers

M.H. N° 1 6-48833	355.02	1984	370.87
48.88 N	356.80	1455 +77	371.90
97.66 N	358.58	1884 +277	372.07
126.49 N	360.36	1111 926 +238	376.44
195.33 N	362.14	1458 766 +682	
244.16 N	363.92	1376 1106 +272	
293.00 N - M.H. N° 11 Δ 47° 0'	365.70	1091 875 +216	
328 N	366.10	1054 861 +193	
363 N - DE	366.50	1011 816 +195	

39th St Sappers

M.H. N° 8	355.02		
1167 SE	355.43	1141 666 +475	
83.34 SE	355.84	1105 570 +535	
125 SE - DE	356.25	1011 575 +436	

Belmont Hill + 39th St Sappers

3-22-27
57

DE = 5' N of Ledge 1122 1-445 Bobn in Grad	365.00	933 324 +577	355.19	1062 563 +499	355.19
41.25 NE	363.75		358.87	1492 583 +909	358.87
96.50 NE	362.46		359.08	850 235 +615	358.89
138.75 NE	361.16		357.51	938 1170 +232	365.65
185.00 NE = M.H. N° 10 Δ 52° 0'	359.87	724 +577	356.72	765 326 +439	370.38
231.25 NE	359.08		355.87	935 334 +601	371.19
277.50 NE	358.30		355.02	1015 500 +515	371.19
323.75 NE	357.51		354.82	1085 578 +507	371.19
370.00 NE = M.H. N° 9 Δ 27° 18'	356.72		352.62	1218 622 +596	371.19
420.00 NE	355.87		351.75	1218 622 +596	371.19
470.00 NE = M.H. N° 8 Δ 38° 21'	355.02		350.88	1218 622 +596	371.19
516.60 NE	354.82		350.00	1218 622 +596	371.19
566.00 NE	353.42		348.40	1218 622 +596	371.19
590.00 NE = M.H. N° 7 Δ 41° 33'	352.62		346.80	1218 622 +596	371.19
633.33 NE	351.75		345.20	1218 622 +596	371.19
676.67 NE	350.88		343.60	1218 622 +596	371.19
720.00 NE = M.H. N° 6 Δ 86° 05' 30"	350.00		342.00	1218 622 +596	371.19
6-47116			340.40	1218 622 +596	371.19
767.17 NE	348.40		338.30	1218 622 +596	371.19
816.34 NE	346.80		338.65	1218 622 +596	371.19
861.50 NE	345.20		339.00	1218 622 +596	371.19
908.67 NE	343.60		337.00	1218 622 +596	371.19
955.83 NE	342.00				
1003.00 NE = DM.H. N° 2 Δ 31° 55'	340.40				
1043.00 NE	338.30				
1083.00 NE	338.65				
351 NE = DM.H. N° 2	339.00				
	337.00				

391st - Moris de Belmont + Circ. Drive
Senter Lateral

	East		West					
N° 1	362.00	1934 250		570.72 127 324.02	N° 22	351.80	1678 27 357	
N° 3	359.20	1254 291 221	N° 2	358.00	1624 263 297		31354.99 750 32158 275	
N° 37	358.40	988 133 555	N° 4	358.00	1628 273 265	N° 23	352.20	1188 48 488
N° 5	357.60	1821 407	N° 6	357.00	1628 273 265	N° 31	356.00	1270 517 4755
N° 7	355.70	1018 231 537	N° 8	355.10	1128 225	N° 35	356.80	1188 27 27
N° 9	354.50	1108 258				N° 36	356.80	1128 275
N° 10	353.20	1128 225 62				N° 37	357.00	1128 275
N° 11	353.30	1128 225 27				N° 38	357.50	1488 275
N° 12	352.90	1128 225				N° 39	362.00	1328 275
N° 13	352.30	1128 225				N° 40	365.00	1488 275
N° 14	352.30	1128 225				N° 41	366.00	1488 275
N° 15	351.90	1128 225				N° 42	366.00	1488 275
N° 16	351.20	1128 225				N° 43	367.00	1488 275
N° 17	351.00	1128 225				N° 44	367.00	1488 275
N° 18	351.00	1128 225				N° 45	367.00	1488 275
N° 19	341.10	1128 225						
N° 20	340.70	1128 225						

Trans. Bodoland Grader

67-37
Sum 20
Footings
11/14/59
986.00

	H	J	
FL 11/4/59	86.00	84.00	86.50
60 L	91.20		91.20
80 L	96.40		95.90
100 L	101.60		100.60
110 L	106.80		105.30
Sum L 11/12/59	112.00		110.00

	H	Per					
11	84.00	86.00	91.20	96.40	101.60	106.80	112.00
	7.11	7.11	12.1	3.2	1.3	2.0	3.5
	1.7	2.7	12.5	4.8	1.9	2.2	3.8
	1.4	2.4	12.6	4.8	1.9	2.2	3.8
J	86.07	86.50	91.20	95.90	100.60	105.3	110.00
	8.08	1.6	10.1	8.1	3.7	1.9	5.85
	8.08	2.2	12.5	7.2	1.7	1.5	
	8.08	2.2	12.5	7.2	1.7	1.5	

	H	J	
FL 11/13/59	132.30		131.70
50 L			124.77
100 L			117.85
150 L			140.93
Sum L 11/13/59			144.00

	H	Per					
J	132.30	131.70	137.85	140.93	144.00		
	10.1	7.7	1.6	6.8	5.0		
	8.8	5.5	10.7	11.4	11.4		
	7.1	5.9	10.7	11.4	11.4		

	H	J
FL 11/14/59		145.10

	H	Per
J	145.60	145.10
	1.1	1.2

Miller Walker Bliss

Tie Pt. Replacements

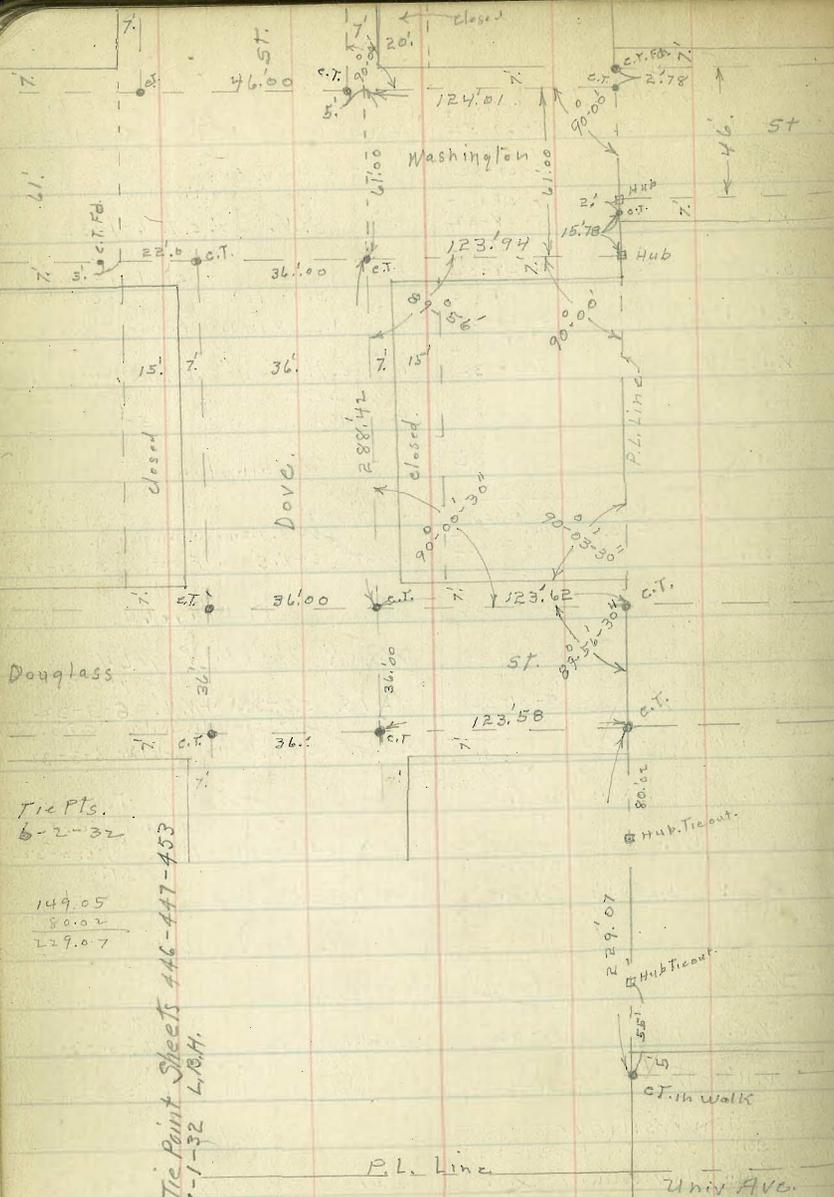
Replacements	+
Horton	
Δ S. of Laurel W. Side	7' C.T. + 5-26-32
Laurel N.W.	7' C.T. + 5-26-32
S.W. Hub under cover	7' Pts.
6th N.W. 7' C.T.	5-26-32
Maple	
6th S.W.	7' C.T.s + 5-26-32
4th S.E. (T.O.)	7' C.T. + 5-26-32
3rd S.W. T.O.	7' C.T. + 5-26-32
2nd N.E. T.O.	7' C.T. + 5-26-32
Nutmeg	
3rd N.E. T.O.	7' C.T. + 5-26-32
4th N.W. T.O.	7' C.T. + 5-26-32
6th S.W.	7' C.T. + 5-26-32
6th N.W.	7' C.T.s + 5-26-32
5th N.E.	7' C.T. + 5-26-32
4th N.E. T.O.	7' C.T.s + 5-26-32
4th S.W. T.O.	7' C.T.s + 5-26-32
3rd N.E. T.O.	7' C.T.s + 5-26-32
3rd S.W. + N.W.	7' C.T.s + 5-26-32
Palm.	
5th N.E.	7' C.T. + 5-26-32
6th S.W.	7' C.T. + 5-26-32
Quince	
6th N.W.	7' C.T. + 5-26-32
Redwood	
6th N.W.	7' C.T.s + 5-26-32

Replacements	+
SPRUCE.	
6th N.W. S.W.	7' C.T.s. 5-27-32
5th S.W. S.E.	7' C.T.s. 5-27-32
4th N.W.	7' C.T. 5-27-32
Redwood	
1st N.W. + S.W.	7' C.T.s. 5-27-32
W. line of 3rd	7' C.T.s
N. + S. 7' Lines of Redwood	5-27-32
2nd N.W. S.W. T.O.	7' C.T.s 5-27-32
Quince	
3rd S.W.	7' C.T. 5-27-32
2nd N.W. S.W. T.O.	7' C.T. 5-27-32
1st N.W.	7' C.T. 5-27-32
Thorn.	
1st S.E. N.E. T.O.	7' C.T.s. 5-27-32
2nd N.W. + S.W. T.O.	7' C.T.s 5-27-32
3rd S.W. T.O.	7' C.T. 5-27-32
4th S.E. T.O.	7' C.T. 5-27-32
6th S.W. N.W.	7' C.T.s 5-27-32
Upas.	
4th S.W. T.O.	7' C.T. + 5-27-32
Walnut.	
3rd N.W. T.O.	7' C.T. + 5-27-32
Front N.W. N.E.	7' C.T. + 5-27-32
1st (S. 7' line Walnut)	7' C.T. + 5-27-32
1st (S. 7' line Walnut)	7' C.T. + 5-27-32
1st (S. 7' line Walnut)	7' C.T. + 5-27-32
1st (S. 7' line Walnut)	7' C.T. + 5-27-32
1st (S. 7' line Walnut)	7' C.T. + 5-27-32
5th S.W.	7' C.T. 5-27-32

Replacements	+
Brookes ST.	
Front N.W. T.O.	7' C.T. + 5-27-32
1st S.W. T.O.	7' C.T. + 5-27-32
1st N.E. S.E.	7' C.T.s + 5-28-32
3rd S.E. T.O.	7' C.T. + 5-28-32
4th S.W. N.E.	7' C.T.s + 5-28-32
5th N.W. S.E.	7' C.T.s + 5-28-32
Anderson Pl.	
5th N.E.	7' C.T. 5-28-32
Penn Ave.	
S.E. T.O. N.W. S. x m walk	7' C.T. 5-28-32
5th N.W.	7' C.T.s. 5-31-32
4th N.W. + S.E.	7' C.T. 5-31-32
3rd S.E. T.O.	7' C.T. 5-31-32
1st N.W. T.O.	7' C.T. 5-31-32
Robinson Ave	
1st N.W. T.O. X in Iron Rim	7' X 5-31-32
Front S.E. + N.W.	7' C.T. 5-31-32
Albatross N.W. N.E. + S.W. S.W. T.O.	7' C.T.s 5-31-32
3rd S.W. T.O.	7' C.T. 5-31-32
4th N.E.	7' C.T. 5-31-32
6th N.E. T.O.	7' C.T. 5-31-32
8th N.W. T.O.	7' C.T. + 5-31-32
University Ave	
S.W. 7' C.T. 5-31-32	
8th S. 7' line Univ. E. line 7th C.T. +	
9th N.E. Cover filled N.G.	
10th S.W. 7' C.T. 6-1-32	
Vermont S.E. Cover Filled N.G.	

Essex	7' C.T.
Vermont S.W. T.O.	5-31-32
Univ. Ave	
N.E. N. 7' Line Univ. E. line 6th C.T.	
6th S.W. 7' C.T. 6-1-32	
5th S.E. 7' C.T. 6-1-32	
5th S.W. T.O. 7' C.T. 5-31-32	
4th N.E. X in Iron Frame 7' X 7'	
4th E. 7' Line 4th N. Line Univ. C.T.	5-31-32
3rd S.E. T.O. 7' C.T.s	
3rd N.W. 5-31-32	
Washington	
3rd N.W. 7' C.T. 5-31-32	
Front (N. + S. 7' Lines Washington) 7' X 5' C.T.s	
Front (E. + W. 5' " Front) 5-31-32	
Dove see Plat Page 64.	
Hawk see Plat Page 64	
Ibis S.E. S.W. + N.W. 7' C.T.s 5-3-32	
Jackdaw (E. + W. 5' Lines Jackdaw) 6-3-32	
Ingals N.W. + S.W. 7' C.T.s 6-3-32	
Ingals S.E. of 2. Line Ingals 6-3-32	
Lark N.W. + S.W. 7' C.T.s 6-3-32	
Stacton Dr	
Goldfinch N.E. 7' C.T. 6-3-32	
Hawk S.E. 7' C.T. 6-3-32	
Randolph S.E. 7' C.T. 6-3-32	
Douglass.	
Ibis N.E. 7' C.T. 6-23-32	
Goldfinch S.W. 7' C.T. 6-2-32	
Albatross W. 7' line Albatross 5-31-32	
Eagle N.W. 7' C.T. 6-2-32	
Dove see Plat Page 64	

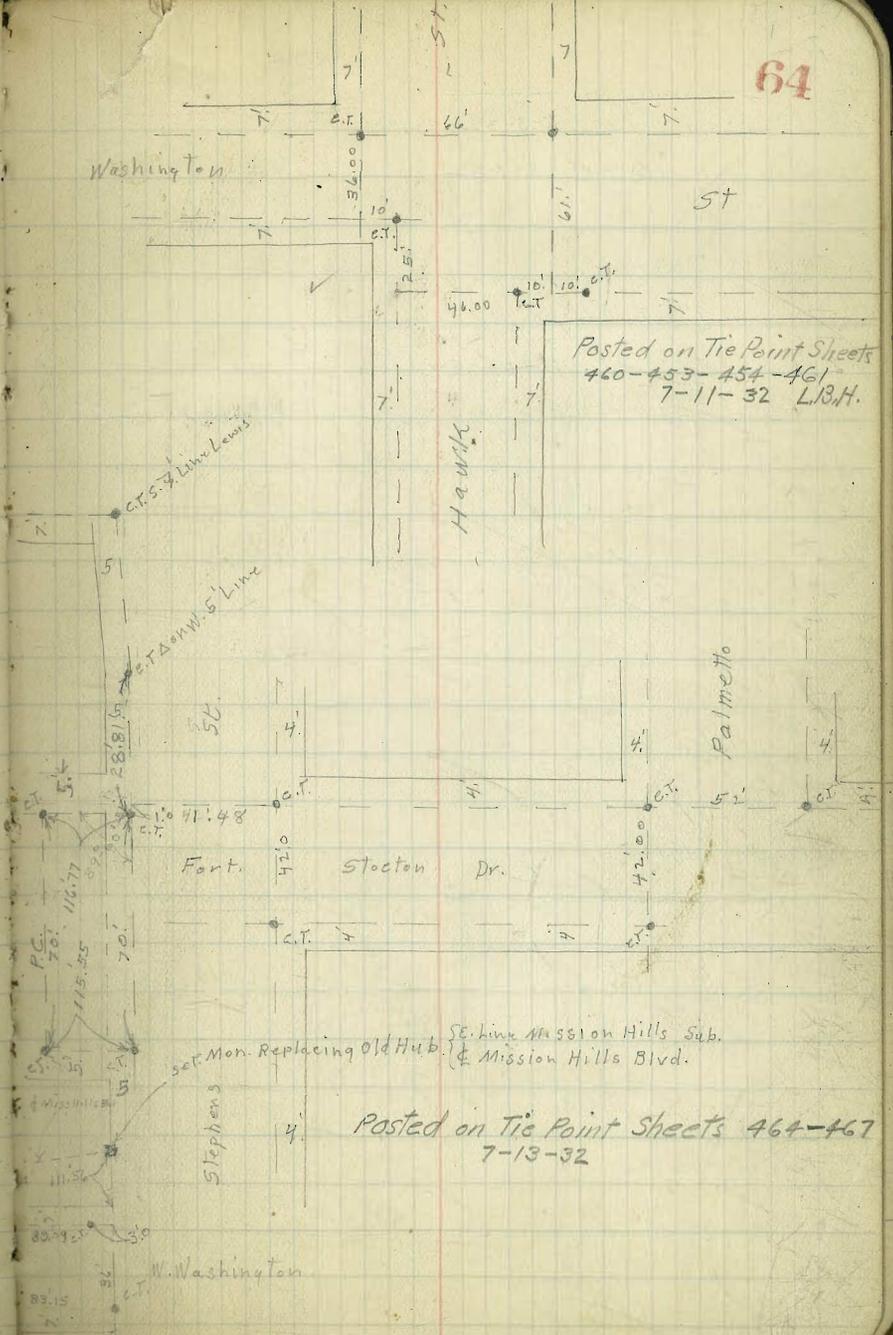
Continued Page 64.



Tie Pts.
6-2-32

149.05
80.02
229.07

Posted on Tie Point Sheets 446-447-453
7-1-32 L.B.H.



Posted on Tie Point Sheets
460-453-454-461
7-11-32 L.B.H.

Posted on Tie Point Sheets 464-467
7-13-32

SE. line Mission Hills Sub.
& Mission Hills Blvd.

set. Mon. Replacing Old Hub.

Lewis st

Randolph S.W. 7' c.T. 6-3-32

Jackdaw S.W. 50, 7' c.T. 6-3-32

Spruce

India S.W. 7' c.T. for 80' st.

India S.E.-N.E. 7' c.T.s for 60' Spruce

Columbia N.E.S. 7' lines Spruce 60' st. on Columbia 2' c.T.s

West Atlantic & Subway St
 Paving on R. 110
 North East Strip

Gutter - C. N. 45 L

SE Top 7yd

W. Atlantic
 W. 45 L

BM	201	6.39	4.38
			74.5 S of St. Bernard's - N End of Conc.
E. Atlantic on Conc.		4.84	1.55
Gutter		5.15	1.14
	100 S		
Gutter		5.31	1.08
E		4.90	
	125 S		
E		4.75	
Gutter		5.26	1.03
	150 S		
Gutter		5.41	0.98
E		5.03	1.31
	175 S		
E		5.03	
Gutter		5.10	0.99
	200 S		
Gutter		5.18	0.94
E		5.05	1.36
	225 S		
E		5.07	
Gutter		5.42	0.92
	250 S		
Gutter		5.52	0.87
E		5.11	1.38

6.39

3-26-29

67

2664 S. E. of St. Bernard's

-L - 3rd		4.72	1.67
E		5.13	1.31
Gutter		5.65	0.84
	300 S		
Gutter		5.61	0.78
E		5.17	1.23
-L - 3rd		4.75	
	325 S		
-L - 3rd		4.41	
E		5.24	
Gutter		5.62	0.76
	350 S		
Gutter		5.65	0.74
E		5.25	1.21
-L		5.18	
	375 S		
-L - 3rd		4.56	
E		5.25	
Gutter		5.67	0.72
	397 S		
Gutter		5.71	0.68
E		5.30	
-L		4.15	

Alley Block 35 Parrish & Loomis Sub.
 Par 197
 Broadway to E 264 + 271/4 ft.

2-28-49
 68

	W	F		E					
S. L. Broadway	169.30	169.00	BM 188.92	169.00	168.49	167.92	167.35	166.68	166.00
84.5 - NEnd Prop Par 197	168.75	168.49	189.29		8.84	9.21	7.98	76.65	11.33
50.75	168.12	167.92	186.12		8.84			13.91	11.33
77.50 - S. End of Par 197	167.48	167.35	177.33		0.0			2.76	0.0
108.75	166.74	166.68		W	169.30	168.75	168.12	167.48	166.74
140.0 - N. L. of E. W. Alley	166.00	166.00			8.58	9.01	8.85	10.59	11.33
					8.58	9.37	8.68	10.59	11.33
					0.0	0.72	11.07	78.36	78.37

West Atlantic & Subway St
Passing North Strip

	Gutter	Prop Good		
070	54 Barnett	1.30	498 501	BM 438 51 Top 163 6.01 468 1.33 475
125		1.34	495 500	471 472
150	S	1.38	490 495	475 476
160	Bark	1.40	495 500	478 479
175		1.38	495 500	481 482
190		1.35	490 495	484 485
225		1.32	485 490	487 488
250		1.28	480 485	490 491
275		1.25	475 480	493 494
310		1.22	470 475	496 497
325		1.18	465 470	499 500
350		1.16	460 465	502 503
375		1.12	455 460	505 506
4100		1.09	450 455	508 509
425		1.06	445 450	511 512
450		1.03	440 445	514 515
475		1.00	435 440	517 518
48946-PC		0.98	430 435	520 521
PC 416 - Bark	0.65	0.95	506 507	523 524
Part 1 2417		0.96	505 506	526 527
2		0.99	508 509	529 530
3		1.01	510 511	532 533
4		1.04	513 514	535 536
5		1.07	516 517	538 539
6		1.10	519 520	541 542

7		1.13	523 524
8		1.15	526 527
9		1.18	529 530
10	100117	1.21	532 533
11		1.24	535 536
12		1.27	538 539
13		1.29	541 542
14		1.32	544 545
112 - Bark		1.35	547 548
15		1.38	550 551
16		1.30	553 554
17	5025	1.26	556 557
18		1.28	559 560
118 - End Wall		1.20	562 563

Levee Berms Atlantic 10' S of P.C.

7	11201	501	1.00
11		466	1.35
2		453	1.48
12		532	0.69
5		620	-0.19

West Atlantic & Subway St
 Paving Barnett & Subway
 North Strip

Stakes & Back of Prop

0+0	5.000	1.15	$\frac{4.48}{5.21}$ -0.73	
2.5	5.000	1.49	$\frac{4.11}{5.13}$ -1.02	
5.0	5.000	1.53	$\frac{4.10}{6.10}$ -2.00	
7.0	5.000	1.55	$\frac{4.38}{5.23}$ -0.85	
9.5	5.000	1.52	$\frac{4.41}{6.11}$ -1.70	
11.0	5.000	1.47	$\frac{4.46}{6.16}$ -1.70	
12.5	5.000	1.43	$\frac{4.50}{6.10}$ -1.60	
15.0	5.000	1.38	$\frac{4.55}{6.10}$ -1.55	
17.5	5.000	1.33	$\frac{4.60}{6.10}$ -1.50	
20.0	5.000	1.29	$\frac{4.64}{6.10}$ -1.46	
22.5	5.000	1.24	$\frac{4.68}{6.10}$ -1.42	
25.0	5.000	1.19	$\frac{4.72}{6.10}$ -1.38	
27.5	5.000	1.15	$\frac{4.76}{6.10}$ -1.34	
30.0	5.000	1.10	$\frac{4.80}{6.10}$ -1.30	
32.5	5.000	1.05	$\frac{4.84}{6.10}$ -1.26	
35.0	5.000	1.00	$\frac{4.88}{6.10}$ -1.22	
37.5	5.000	0.96	$\frac{4.92}{6.10}$ -1.18	
39.41	PC	0.93	$\frac{4.96}{6.10}$ -1.15	
PC + 16	8th Catch Basin	0.90	$\frac{5.00}{6.10}$ -1.10	
Part 1	24.17	0.92	$\frac{5.04}{6.10}$ -1.08	
2		0.97	$\frac{5.08}{6.10}$ -1.03	
3		1.01	$\frac{5.12}{6.10}$ -0.98	
4		1.05	$\frac{5.16}{6.10}$ -0.94	
5		1.09	$\frac{5.20}{6.10}$ -0.90	
6		1.13	$\frac{5.24}{6.10}$ -0.86	

Paving 100

1-28-29
 Stakes 70

Part 7	1.18	$\frac{4.75}{4.75}$ 0.00	
" 8	1.22	$\frac{4.71}{4.71}$ 0.00	
" 9	1.26	$\frac{4.67}{4.67}$ 0.00	
" 10	1.30	$\frac{4.63}{4.63}$ 0.00	
" 11	1.34	$\frac{4.59}{4.59}$ 0.00	
" 12	1.37	$\frac{4.54}{4.54}$ 0.00	
" 13	1.43	$\frac{4.50}{4.50}$ 0.00	
" 14	1.47	$\frac{4.46}{4.46}$ 0.00	
7 15 - Brk	1.50	$\frac{4.42}{4.42}$ 0.00	
" 15	1.46	$\frac{4.38}{4.38}$ 0.00	
" 16	1.39	$\frac{4.34}{4.34}$ 0.00	
" 17	1.32	$\frac{4.30}{4.30}$ 0.00	
" 18	1.25	$\frac{4.26}{4.26}$ 0.00	
7 18 - End of Fall	1.20	$\frac{4.22}{4.22}$ 0.00	

Senior High School Site
East San Diego
Levels

BM	548	361.62	35614	35614
NE Cor E/Cajon Highway		556	35606	35606
SE Cor Lot 18 Orchard Villa Ground		388	35774	35774
" " " " opp Top Cb		505	35657	35657
SW Cor Lot 1 Edgemont Ground		381	35841	35841
" " " " opp Top Cb		350	3581	3581
NW Cor E/Cajon Chamauna Top Cb		299	35863	35863
TP	417	362.60	319	35813
SW Cor Lot 44 Orchard Ground		592	35668	35668
" " " " opp Top Cb		584	35676	35676
NW Cor " " " Ground		56	3570	3570
" " " " opp Top Cb		568	35696	35696
SE Cor " " " "		49	3577	3577
NE " " " " "		51	3572	3572
NW Cor Lot 1		277	35983	35983
SW Cor Lot 3		315	35945	35945
S Line Alley + Chamauna Top Cb		125	35825	35825
Center Lot 3 1/2 Alley Prod. West		47	35790	35790
" " " 3 Sd Lot 5 Prod. W		37	3389	3389
SW Cor Lot 5 Edgemont		25	3601	3601
Center Lot 7		64	35820	35820
E " " 7 " Ground		70	3556	3556
TP	383	362.36	407	35850
E Center Lot 7 opp top cb		707	35529	35529
SE Cor Lot 5		49	35746	35746
" " " " opp Top Cb		515	35721	35721

362.36

Center Lot 3 1/2 Lot 7 Prod. W	50	3574
SE Cor Lot 31	36	3588
TP	384	362.73
NE Cor Lot 30	32	3588
SW Cor Lot 31 Ground	40	3587
" " " " opp Top Cb	44	35851
NW Cor Lot 30	32	3588
" " " " opp Top Cb	321	35881
Center Lot 3 Sd. Home Prod. W	55	3572
NW Cor Lot 9 Ground	77	3550
" " " " opp Top Cb	723	35500
NW Cor Chamauna + Edgemont Top Cb	960	3571
SW Cor Lot 1 opp Top Cb	847	35425
SW Cor Lot 1 Ground	802	35468
NW Cor Lot 1 Blk 3	705	35570
SE Cor Lot 520	621	35644
NE Cor " " 0766	1385	34947
" " " " on Ground	85	3542
NW Cor " 518 " "	32	3595
" " " " Top Cb	140	35638
SW Cor " " " "	424	35848
" " " " Ground	397	35875
SE Cor " 517 " "	39	3588
" " " " Top Cb	120	35852
NE Cor " 517 Ground	37	3590
" " " " Top Cb	608	35611

Cont. on Last Page

12-11-28
71

Grades Alley Block 99 Unit Hgts North & South
El Cajon - Meade Florida & Georgia

12-6-28

3

	F	N												
SL Meade	330.60	332.20	BM 343.10	51.80	F	330.60	30.60	36.60	39.80	29.00	27.90	36.20	24.00	23.00
10'S	330.60	331.40	341.35	Meade		5.14	5.14	5.14	5.91	6.74	7.57	8.40	11.74	12.57
20'S	330.60	331.90	342.30	Georgia		5.31	5.06	5.10	5.51	6.10	6.74	7.33	7.92	8.51
30'S	330.60	332.90	343.20			5.31	5.06	5.10	5.51	6.10	6.74	7.33	7.92	8.51
40'S	330.60	333.90	344.10			5.31	5.06	5.10	5.51	6.10	6.74	7.33	7.92	8.51
50'S	330.60	334.90	345.00			5.31	5.06	5.10	5.51	6.10	6.74	7.33	7.92	8.51
60'S	330.60	335.90	345.90			5.31	5.06	5.10	5.51	6.10	6.74	7.33	7.92	8.51
70'S	330.60	336.90	346.80			5.31	5.06	5.10	5.51	6.10	6.74	7.33	7.92	8.51
80'S	330.60	337.90	347.70			5.31	5.06	5.10	5.51	6.10	6.74	7.33	7.92	8.51
90'S	330.60	338.90	348.60			5.31	5.06	5.10	5.51	6.10	6.74	7.33	7.92	8.51
100'S	330.60	339.90	349.50			5.31	5.06	5.10	5.51	6.10	6.74	7.33	7.92	8.51
110'S	330.60	340.90	350.40			5.31	5.06	5.10	5.51	6.10	6.74	7.33	7.92	8.51
120'S	330.60	341.90	351.30			5.31	5.06	5.10	5.51	6.10	6.74	7.33	7.92	8.51
130'S	330.60	342.90	352.20			5.31	5.06	5.10	5.51	6.10	6.74	7.33	7.92	8.51
140'S	330.60	343.90	353.10			5.31	5.06	5.10	5.51	6.10	6.74	7.33	7.92	8.51
150'S	330.60	344.90	354.00			5.31	5.06	5.10	5.51	6.10	6.74	7.33	7.92	8.51
160'S	330.60	345.90	354.90			5.31	5.06	5.10	5.51	6.10	6.74	7.33	7.92	8.51
170'S	330.60	346.90	355.80			5.31	5.06	5.10	5.51	6.10	6.74	7.33	7.92	8.51
180'S	330.60	347.90	356.70			5.31	5.06	5.10	5.51	6.10	6.74	7.33	7.92	8.51
190'S	330.60	348.90	357.60			5.31	5.06	5.10	5.51	6.10	6.74	7.33	7.92	8.51
200'S	330.60	349.90	358.50			5.31	5.06	5.10	5.51	6.10	6.74	7.33	7.92	8.51
210'S	330.60	350.90	359.40			5.31	5.06	5.10	5.51	6.10	6.74	7.33	7.92	8.51
220'S	330.60	351.90	360.30			5.31	5.06	5.10	5.51	6.10	6.74	7.33	7.92	8.51
230'S	330.60	352.90	361.20			5.31	5.06	5.10	5.51	6.10	6.74	7.33	7.92	8.51
240'S	330.60	353.90	362.10			5.31	5.06	5.10	5.51	6.10	6.74	7.33	7.92	8.51
250'S	330.60	354.90	363.00			5.31	5.06	5.10	5.51	6.10	6.74	7.33	7.92	8.51
260'S	330.60	355.90	363.90			5.31	5.06	5.10	5.51	6.10	6.74	7.33	7.92	8.51
270'S	330.60	356.90	364.80			5.31	5.06	5.10	5.51	6.10	6.74	7.33	7.92	8.51
280'S	330.60	357.90	365.70			5.31	5.06	5.10	5.51	6.10	6.74	7.33	7.92	8.51
290'S	330.60	358.90	366.60			5.31	5.06	5.10	5.51	6.10	6.74	7.33	7.92	8.51
300'S	330.60	359.90	367.50			5.31	5.06	5.10	5.51	6.10	6.74	7.33	7.92	8.51
310'S	330.60	360.90	368.40			5.31	5.06	5.10	5.51	6.10	6.74	7.33	7.92	8.51
320'S	330.60	361.90	369.30			5.31	5.06	5.10	5.51	6.10	6.74	7.33	7.92	8.51
330'S	330.60	362.90	370.20			5.31	5.06	5.10	5.51	6.10	6.74	7.33	7.92	8.51
340'S	330.60	363.90	371.10			5.31	5.06	5.10	5.51	6.10	6.74	7.33	7.92	8.51
350'S	330.60	364.90	372.00			5.31	5.06	5.10	5.51	6.10	6.74	7.33	7.92	8.51
360'S	330.60	365.90	372.90			5.31	5.06	5.10	5.51	6.10	6.74	7.33	7.92	8.51
370'S	330.60	366.90	373.80			5.31	5.06	5.10	5.51	6.10	6.74	7.33	7.92	8.51
380'S	330.60	367.90	374.70			5.31	5.06	5.10	5.51	6.10	6.74	7.33	7.92	8.51
390'S	330.60	368.90	375.60			5.31	5.06	5.10	5.51	6.10	6.74	7.33	7.92	8.51
400'S	330.60	369.90	376.50			5.31	5.06	5.10	5.51	6.10	6.74	7.33	7.92	8.51
410'S	330.60	370.90	377.40			5.31	5.06	5.10	5.51	6.10	6.74	7.33	7.92	8.51
420'S	330.60	371.90	378.30			5.31	5.06	5.10	5.51	6.10	6.74	7.33	7.92	8.51
430'S	330.60	372.90	379.20			5.31	5.06	5.10	5.51	6.10	6.74	7.33	7.92	8.51
440'S	330.60	373.90	380.10			5.31	5.06	5.10	5.51	6.10	6.74	7.33	7.92	8.51
450'S	330.60	374.90	381.00			5.31	5.06	5.10	5.51	6.10	6.74	7.33	7.92	8.51
460'S	330.60	375.90	381.90			5.31	5.06	5.10	5.51	6.10	6.74	7.33	7.92	8.51
470'S	330.60	376.90	382.80			5.31	5.06	5.10	5.51	6.10	6.74	7.33	7.92	8.51
480'S	330.60	377.90	383.70			5.31	5.06	5.10	5.51	6.10	6.74	7.33	7.92	8.51
490'S	330.60	378.90	384.60			5.31	5.06	5.10	5.51	6.10	6.74	7.33	7.92	8.51
500'S	330.60	379.90	385.50			5.31	5.06	5.10	5.51	6.10	6.74	7.33	7.92	8.51
510'S	330.60	380.90	386.40			5.31	5.06	5.10	5.51	6.10	6.74	7.33	7.92	8.51
520'S	330.60	381.90	387.30			5.31	5.06	5.10	5.51	6.10	6.74	7.33	7.92	8.51
530'S	330.60	382.90	388.20			5.31	5.06	5.10	5.51	6.10	6.74	7.33	7.92	8.51
540'S	330.60	383.90	389.10			5.31	5.06	5.10	5.51	6.10	6.74	7.33	7.92	8.51
550'S	330.60	384.90	390.00			5.31	5.06	5.10	5.51	6.10	6.74	7.33	7.92	8.51
560'S	330.60	385.90	390.90			5.31	5.06	5.10	5.51	6.10	6.74	7.33	7.92	8.51
570'S	330.60	386.90	391.80			5.31	5.06	5.10	5.51	6.10	6.74	7.33	7.92	8.51
580'S	330.60	387.90	392.70			5.31	5.06	5.10	5.51	6.10	6.74	7.33	7.92	8.51
590'S	330.60	388.90	393.60			5.31	5.06	5.10	5.51	6.10	6.74	7.33	7.92	8.51
600'S	330.60	389.90	394.50			5.31	5.06	5.10	5.51	6.10	6.74	7.33	7.92	8.51
610'S	330.60	390.90	395.40			5.31	5.06	5.10	5.51	6.10	6.74	7.33	7.92	8.51
620'S	330.60	391.90	396.30			5.31	5.06	5.10	5.51	6.10	6.74	7.33	7.92	8.51
630'S	330.60	392.90	397.20			5.31	5.06	5.10	5.51	6.10	6.74	7.33	7.92	8.51
640'S	330.60	393.90	398.10			5.31	5.06	5.10	5.51	6.10	6.74	7.33	7.92	8.51
650'S	330.60	394.90	399.00			5.31	5.06	5.10	5.51	6.10	6.74	7.33	7.92	8.51
660'S	330.60	395.90	399.90			5.31	5.06	5.10	5.51	6.10	6.74	7.33	7.92	8.51
670'S	330.60	396.90	400.80			5.31	5.06	5.10	5.51	6.10	6.74	7.33	7.92	8.51
680'S	330.60	397.90	401.70			5.31	5.06	5.10	5.51	6.10	6.74	7.33	7.92	8.51
690'S	330.60	398.90	402.60			5.31	5.06	5.10	5.51	6.10	6.74	7.33	7.92	8.51
700'S	330.60	399.90	403.50			5.31	5.06	5.10	5.51	6.10	6.74	7.33	7.92	8.51
710'S	330.60	400.90	404.40			5.31	5.06	5.10	5.51	6.10	6.74	7.33	7.92	8.51
720'S	330.60	401.90	405.30			5.31	5.06	5.10	5.51	6.10	6.74	7.33	7.92	8.51
730'S	330.60	402.90	406.20			5.31	5.06	5.10	5.51	6.10	6.74	7.33	7.92	8.51
740'S	330.60	403.90	407.10			5.31	5.06	5.10	5.51	6.10	6.74	7.33	7.92	8.51
750'S	330.60	404.90	408.00			5.31	5.06	5.10	5.51	6.10	6.74	7.33	7.92	8.51
760'S	330.60	405.90	408.90			5.31	5.06	5.10	5.51	6.10	6.74	7.33	7.92	8.51
770'S	330.60	406.90	409.80			5.31	5.06	5.10	5.51	6.10	6.74	7.33	7.92	8.51
780'S	330.60	407.90	410.70			5.31	5.06	5.10	5.51	6.10	6.74	7.33	7.92	8.51
790														

Alley Back 184 University Heights Grader
Richmond-Lincoln + Cleveland

	E		
SL Lincoln E. Sta	314.65	314.74	BM 310.74
325	313.42	313.64	315.59
615	312.20	312.30	314.61
1045	310.90	310.90	316.38
1445	310.20	310.20	315.71
1845	309.80	309.80	317.30
2245 P.V.C.	309.40	309.40	316.45
2445	309.30	309.30	315.70
2645	309.70	309.70	311.77
2845	310.40	310.40	315.07
3045	311.50	311.50	309.10
3245	312.40	312.40	
3445 = E.V.C.	312.70	312.60	
3875	312.56	312.48	
4305	312.42	312.36	
4735	312.27	312.24	
5165	312.13	312.12	
5595 = N.L. Richmond	312.98	312.00	
5815 = in 11 on E	311.90		

Note Stake Using B.M. H. S.M. B.P.
Hendrix + Richmond 310.74 Corred Elev. 398.75

	E												
	14.65	12.42	12.20	10.90	10.20	9.80	9.40	9.30	9.70				
	1.73	2.91	4.8	5.41	5.16	4.40	4.89	8.00	7.19				
	1.59	2.92	4.2	5.47	5.26	4.50	4.89	8.00	7.19				
		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0				
	14.74	13.14	12.30	10.90	10.20	9.80	9.40	9.30	9.70				
	1.11	2.74	4.07	5.48	5.09	4.40	4.89	8.00	7.19				
	1.67	2.72	4.0	5.47	5.27	4.50	4.89	8.00	7.19				
		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0				
	10.40	11.50	12.20	12.70	12.56	12.41	12.27	12.63	12.91	11.80			
	6.49	5.30	4.49	4.10	4.33	4.47	4.63	4.71	4.99	8.07			
	7.61	6.40	5.16	4.41	4.70	4.84	4.97	5.06	5.27	8.07			
	5.71	0.63	0.61	0.91	0.63	0.95	0.55	0.72	0.85	0.80			
	10.40	11.50	12.20	12.60	12.48	12.31	12.24	12.72	12.00				
	3.89	2.79	2.00	1.70	1.81	1.94	2.01	2.05	2.07				
	7.25	6.09	4.88	4.70	4.41	4.37	4.23	4.27	4.27				
	4.01	0.39	0.99	0.0	1.11	1.07	1.00	1.07					

Calvert

020 = Calvert Basin 2 Alley	304.00	18.12	11.31.30
250' of CB	292.00	18.12	11.31.30
50' W = Brook	291.00	18.12	11.31.30
7934	292.55	18.12	11.31.30
108.6 = Existing 1/2' Cap + Pipe	291.10	18.12	11.31.30

Orange Ave And 5th St
Water Grades

EL 5th St.	361.00	4.15 +3.78	364.78
40 E	359.30	4.30 +1.91	364.21
80 E 6.40	358.10	7.50 +3.37	365.67
120 E	357.40	8.20 +8.43	375.83
160 E	357.10	8.50 +3.30	375.60
200 E	357.40	8.20 +3.26	375.66
240 E	358.10	7.50 +3.58	375.68
295 E 3.54	359.47	1.13 +3.37	372.84
350 E	360.84	4.76 +3.76	376.60
405 E = 6th St. to 10th St. 5th St.	362.20	10.18 +3.70	372.38

S. Orange Ave 55 = Fire Hyd.	362.00	15.38 +3.81	377.38
56.67 S 6.527	363.83	13.55 +2.77	377.38
113.31 S	365.17	11.72 +3.38	376.89
170.01 S	367.50	9.51 +2.15	377.05
226.67 S	369.33	8.05 +2.33	377.38
283.31 S	371.16	6.23 +3.27	377.43
340.00 S = P.I.C.	373.00	13.88 +6.45	386.85
380 S	374.00	4.60 +4.00	378.60
420 S 5.40	374.40	4.20 +2.09	376.69
460 S	374.80	4.48 +2.82	377.28
500 S	373.50	5.10 +4.10	377.60
540 S = 5th St	372.10	6.50 +3.30	378.40
580 S 4.41	370.15	8.45 +2.22	378.37
620 S	368.20	10.60 +3.27	378.87

678 S of 5th Orange	366.25	13.35 +3.17	379.62
719 S = Fire Hyd	out	367.20	11.40 +0.31
724 S = End	364.30	14.38 +3.03	378.68

11-30-28
S. Orange
Water Grades
10907
Fl. 17

5 on E. 10907

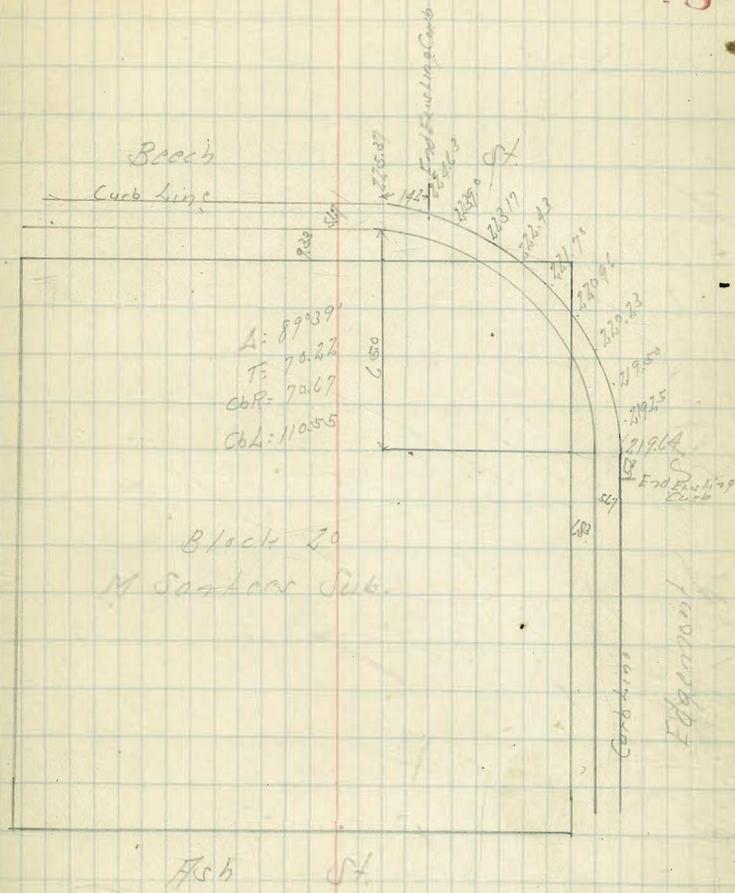
Top Carb Grader
S.W. Cor Beach + Edgemont

BM	4.10	234.67	230.57	SEBP Beach 93142
TP	4.00	225.95	12.22	221.95

0.00	225.37	224.63	223.90	223.17	222.43	221.70	220.90	220.23	219.50
0.58	1.31	2.05	2.78	3.51	4.25	4.98	5.71	6.45	7.18
	0.0	0.0	0.0	-0.50	-1.00	-1.50	-2.00	-2.50	-3.00

219.25	219.64
6.75	6.31
2.70	6.31
0.0	0.0

11-19-28
Survey
8



Lantana Drive

Drain South line of Improvements

11-21-58

79

	Ground	Grade	
070 = S.L. Imp.		331.00	331.50 331.50 338.17
20' 0"	53	330.90	7.23 3.50 +3.77
40' 0"	58	330.80	7.37 3.36 +3.57
60' 0"	83	330.70	2.47 3.07 +3.07

Local's Senior High School
 East San Diego 8/22/72

NW Cor Lot 515 Tolmaddock	48°	35792	
" " " " " " " " " " " "	46	3581	
SW " " " " " " " " " " " "	47°	3580	
TP	451	363.89	334
S.E. Cor. Monroe & Highland	44	35848	
BM		42.0	35869
TP	380	370.18	701
BM		59	35478

S.E. Cor. Tolmaddock
 Monroe & Highland
 S.W. 89°
 S.E. Cor. 44°
 35472

DIRECTIONS FOR USE OF TABLES

TABLE No. 1

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

IMPROVED TABLES
 AND
 INFORMATION

TABLE No. 2

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 I may be found by dividing tangent (or external), opposite I 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.

