NAME EL CAJON

Job ~~224~~ 244 A&I.D #7

Class ______ Course ______ Party ______

X-Sections

1990

218

FIELD NOTES

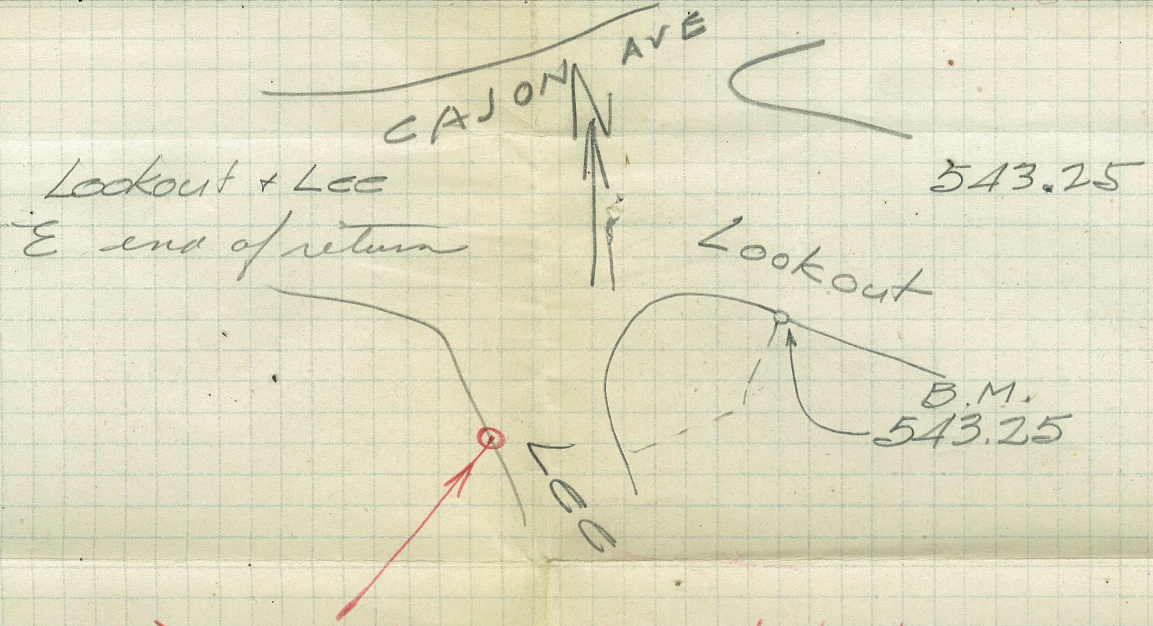
No. 403P

ESPECIALLY ADAPTED
TO THE USE OF
ENGINEERING STUDENTS

EUGENE DIETZGEN CO.
MANUFACTURERS
DRAWING MATERIALS
MATHEMATICAL AND SURVEYING INSTRUMENTS
MEASURING TAPES

CHICAGO SAN FRANCISCO NEW YORK
NEW ORLEANS PITTSBURGH

INDEX



(Page 17 - Bk 278) Guy Pole - B.M. # N - 50' Rt. Sta. 125+00 - W. Side Lee Ave.

Elev = 543.437
+ 4.79

H.I. = 548.227
- 5.25

542.977 Elev. Brass Plug

543.250 = Elev. La Mesa Datum.
- 42.977 = " Cootes Datum

0.273 = Diff.

Apr. 30, 1927

OGT

X-Secs El Cajon Blvd

BM #1					468.72
	4.58	473.30			
0+00			3.96	469.34	469.4
0-50				18" C.M.P.	
0-100					
0-150					
BM #C			3.60	469.70	469.68

← Corrected Elev. — See Pg. 9

℄ Pave

South — North

473.30

64.8	66.9	67.1	66.95	69.20	69.31	69.52	469.0	469.1	69.58	67.4	68.1	67.9	68.3
8.5	6.4	6.2	6.35	4.10	3.99	3.78	4.00	3.9	3.72	5.9	5.2	5.4	5.0
100	40	23	14	13.5	7.5		7.5	12	12.5	13	28	40	75
			Flow	Hdwl	E.P.		E.P.		Hdwl	Flow			

67.3	67.4	69.5	69.64	69.85	69.62	68.8	68.1	68.8
6.0	5.9	3.8	3.66	3.45	3.68	4.5	5.2	4.5
40	21	11	7.5		7.5	15	16	40

67.9	68.4	69.2	69.2	69.90	70.11	69.90	69.3?	68.9	68.8	70.0	69.8
5.4	4.9	4.1	4.1	3.40	3.19	3.40	4.0	4.4	4.5	3.3	3.5
40	31	20	16	7.5		7.5	15	16	29	35	40

See Pg. 9

470.03
469.68
.35

4.58
5.81
1.23

470.03
468.6

468.72

Reduced 4-1-27 C.F.W.
Checked 4-1-27 C.F.W.

B.M. #1	5.55	474.27 (blue) 473.22	468.72 (blue) ~~467.67~~ (circled in red) ~~See Page 3~~ See Pg. 9	
	4.60	475.30 (red) ~~474~~.25	3.57	370.70 (red) ~~469~~.65

Blue = Coote 4/1/27

474.6
4.9
469.7

468.72
5.55
474.27
44
69.4

See Pg 18 for Sta 2+84

X Sec. El Cajon Ave

Highway B.M. Nail in Power Pole: 25' Rt Sta 0-30

H.I. – ~~473.2~~ ~~474.6~~ 474.27

Each reading: elevation / rod / distance from ℄. Column heads: Lt – Shoulder – Edge Concrete – ℄ – Edge Concrete – Shoulder – Rt.

Sta	Lt	℄	Rt
0+00	68.0 6.3/40; 68.4 5.9/30; 68.4 5.9/19; 69.2 5.1/10; 69.2 5.1/7.5	69.4 4.9	69.12 5.15/7.5; 69.1 5.2/10; 68.8 5.5/17; 67.8 6.5/20; 67.1 7.2/27; 67.2 7.1/30; 67.2 7.1/40
0+50	68.5 5.8/40; 68.5 5.8/30; 68.5 5.8/21; 68.6 5.7/16; 69.3 5.0/10; 69.4 4.9/7.5	69.6 4.7	69.3 5.0/7.5; 69.3 5.0/10; 68.5 5.8/17; 68.0 6.3/27; 68.1 6.2/30; 68.1 6.2/40
1+00	69.0 5.3/40; 69.0 5.3/30; 68.8 5.5/17; 69.5 4.8/10; 69.6 4.7/7.5	69.8 4.5	69.5 4.8/7.5; 69.5 4.8/10; 68.7 5.6/19; 69.2 5.1/22; 68.7 5.6/30; 68.9 5.4/40
1+50	69.4 4.9/40; 69.3 5.0/30; 69.4 4.9/19; 69.1 5.2/17; 69.6 4.7/10; 69.7 4.6/7.5	69.9 4.4	69.7 4.6/7.5; 69.7 4.6/10; 69.3 5.0/16; 69.1 5.2/26; 69.3 5.0/30; 69.0 5.3/40
2+00	69.9 4.4/40; 69.7 4.6/30; 69.5 4.8/17; 69.8 4.5/10; 69.9 4.4/7.5	70.1 4.2	69.8 4.5/7.5; 69.8 4.5/9; 69.6 4.7/16; 69.8 4.5/30; 69.8 4.5/40
2+25	70.4 3.9/40; 70.4 3.9/30 (← Drive →); 70.1 4.2/10; 70.0 4.3/7.5	70.2 4.1	70.0 4.3/7.5; 70.0 4.3/9; 69.8 4.5/15; 70.0 4.3/16; 69.7 4.6/30; 69.8 4.5/40
2+50	70.1 4.2/30; 70.0 4.3/16; 70.1 4.2/9; 70.1 4.2/7.5	70.3 4.0	70.0 4.3/7.5; 70.1 4.2/9; 69.9 4.4/16; 70.1 4.2/17; 69.9 4.4/30; 70.2 4.1/40
3+00	70.7 3.6/40; 70.7 3.6/30; 70.6 3.7/28; 71.0 3.3/26; 70.2 4.1/17; 70.3 4.0/9; 70.3 4.0/7.5	70.6 3.7	70.3 4.0/7.5; 70.3 4.0/9; 70.1 4.2/23; 69.9 4.4/30; 70.0 4.3/40
3+50	71.2 3.1/40; 71.2 3.1/30; 70.9 3.4/22; 70.4 3.9/16; 70.5 3.8/9; 70.5 3.8/7.5	70.7 3.6	70.5 3.8/7.5; 70.6 3.7/10; 70.6 3.7/21; 70.3 4.0/30; 69.6 4.7/31; 70.4 3.9/33; 70.7 3.6/40
3+80	71.7 2.6/40; 71.1 3.2/30; 70.8 3.5/23 (← Drive →); 70.7 3.6/9; 70.7 3.6/7.5	70.9 3.4	70.7 3.6/7.5; 70.7 3.6/9; 70.6 3.7/26; 69.5 4.8/30; 70.7 3.6/34; 70.5 3.8/36; 70.5 3.8/40
4+00	71.3 3.0/40; 71.6 2.7/30; 70.6 3.7/20; 70.7 3.6/9; 70.7 3.6/7.5	70.9 3.4	70.7 3.6/7.5; 70.7 3.6/10; 70.5 3.8/20; 70.0 4.3/23; 69.9 4.4/30; 69.3 5.0/32; 70.2 4.1/34; 69.9 4.4/40

Reduced 4-1-27 C.F.M.

Checked 4-4-27 8376

475.30
~~475.25~~

culvert in place

See Pg. 18

	Lt	Shoulder	Edge Conc.	℄	Edge Conc.	Shoulder	Rt
			H.I. = ~~474~~ 475.7				475.3
4+50	71.1 4.2 40 / 71.0 4.3 30 / 70.9 4.4 23 / 70.7 5.1 18	70.7 4.6 10	70.7 4.6 7.5	70.9 4.4	70.1 4.6 7.5	70.5 4.8 12	69.6 5.7 20 / 69.1 6.2 30 / 69.4 5.9 34 / 69.0 6.3 40
5+00	70.4 4.9 40 / 70.3 5.0 30 / 70.3 5.0 20 / 70.2 5.1 18	70.8 4.5 10	70.9 4.4 7.5	71.1 4.2	70.9 4.4 7.5	70.8 4.5 10	69.9 5.4 18 / 69.3 6.0 20 / 69.2 6.1 30 / 69.2 6.1 40
5+25	70.8 4.5 40 / 71.0 4.3 35 / 71.1 4.2 30 / 71.1 4.2 21 / 70.6 4.7 18	71.0 / 71.0 4.3 10	71.0 4.3 7.5	71.1 4.2	70.8 4.5 7.5	70.7 4.6 10.5	70.3 5.0 18 / 69.4 5.9 20 / 69.0 6.3 30 / 69.0 6.3 40
5+43	70.7 4.6 40 / 70.0 5.3 30 / 69.1 6.2 18 / 70.2 5.1 18	70.9 4.4 10	70.9 4.4 7.5	71.1 4.2	70.8 4.5 7.5	70.8 4.5 11	70.0 5.3 17 / 69.2 7.1 18 / 69.2 6.1 30 / 69.3 6.0 40
6+00	70.3 5.0 40 / 70.4 4.9 30 / 70.3 5.0 18 / 70.1 5.2 17	70.8 4.5 10	71.0 4.3 7.5	71.3 4.0	71.1 4.2 7.5	70.8 4.5 10	69.6 5.7 21 / 70.0 5.3 30 / 69.8 5.5 40
6+48.54 R.C. 6+48.25	70.2 5.1 40 / 70.6 4.7 30 / 70.4 4.9 19 / 70.2 5.1 18	70.7 4.6 11 / 70.9 4.4 10	71.2 4.1 7.5	71.3 4.0	71.0 4.3 7.5	70.9 4.4 10	70.1 5.2 17 / 69.9 5.4 27 / 69.9 5.4 30 / 70.0 5.3 40
7+00	70.5 4.8 40 / 70.5 4.8 30 / 70.4 4.9 18 / 70.9 4.4 11	71.2 4.1 10	71.2 4.1 7.5	71.2 3.9	71.1 4.2 7.5	71.0 4.3 10	70.7 4.6 11 / 70.4 4.9 17 / 70.6 4.7 21 / 70.4 4.9 30 / 70.2 5.1 40
7+50	70.6 4.7 40 / 70.5 4.8 30 / 70.8 4.5 18	71.2 4.1 10	71.3 4.0 7.5	71.5 3.8	71.3 4.0 7.5	71.2 4.1 10	70.7 4.6 18 / 70.7 4.6 30 / 71.0 4.3 40
8+00	71.1 4.2 40 / 71.0 4.3 30 / 71.1 4.2 18 / 70.9 4.4 16	71.5 3.8 9	71.4 3.9 7.5	71.6 3.7	71.4 3.9 7.5	71.4 3.9 10	71.0 4.3 15 / 71.0 4.3 30 / 71.2 4.1 40
8+18	71.2 4.1 40 / 71.3 4.0 30	71.4 3.9 9	71.3 4.0 7.5	71.6 3.7	71.5 3.8 7.5	71.4 3.9 10	71.2 4.1 14 / 71.5 3.8 17 / 71.2 4.1 30 / 71.0 4.3 40
R.T. 8+34.42	71.1 4.2 40 / 71.2 4.1 30 / 71.1 4.2 20	71.4 3.9 9	71.4 3.9 7.5	71.6 3.7	71.5 3.8 7.5	71.4 3.9 10	71.1 4.2 15 / 71.4 3.9 16 / 71.2 4.1 30 / 71.2 4.1 40
8+50	70.9 4.4 40 / 71.1 4.2 30 / 71.3 4.0 18	71.4 3.9 9	71.4 3.9 7.5	71.7 3.6	71.4 3.9 7.5	71.4 3.9 10	71.3 4.0 17 / 71.2 4.1 30 / 71.3 4.0 40

Reduced 4-1-27 CTW

Checked 4-4-27 [illegible]

		475.30 ~~474.25~~			
					9400
B.M. #2			3.22	472.08 ~~471~~ .03	
			6.70	468.60 ~~467~~ .55	
	3.07	475.15 ~~474~~ .10			
	4.67	474.06 ~~473~~ .01	5.76	469.39 ~~468~~ .34	
	3.37	471.99 ~~470~~ .94	5.44	468.62 ~~467~~ .57	
	3.73	469.73 ~~468~~ .68	5.99	466.00 ~~464~~ .95	
	2.10	467.37 ~~467~~ .27	9.51	460.22 459 .17	
BM # 4			5.50	456.82 455 .77	
	6.21	465.94 ~~464~~ .89	2.59	459.73 458 .68	
			4.10	461.84 460.79	

Lt Shoulder | Edge Edge | ℄ | Shoulder Rt

H.I. ~~474.3~~ ~~473.7~~ 475.30

71.4	71.4	71.3	71.0	71.3	71.5	71.7	71.5	71.4	70.9	71.5	71.3	71.4
3.9	3.9	4.0	4.3	4.0	3.8	3.6	3.8	3.9	4.4	3.8	4.0	3.9
40	30	19	16	10	7.5		7.5	11	15	18	30	40

B.M. #2 = Nail in Power Pole 30' Rt 9460 = 472.41
471.03
1.38

700' Shot to Check B.M. #1 = 467.67

Reduced 4-1-27 CZW
Checked 4-4-27 GBH

461.94

Nail in Pole 25' Lt Sta 31+05 Elev = 456.95
455.77
1.18

B.M. = Iron Pipe Triangulation Sta Rolando #1 = Elev 461.94
460.79
1.15

B.M. #2	3.42	475.56 ~~475.83~~		472.14 ~~472.41~~	
					9+50
					10+00
					10+25
					10+50
					11+00
					11+50
					12+00
			Catoctin Drive		12+50
					13+00
					13+50
					14+00
4.60		474.22 474.49	5.94	469.62 469.89	

See Pg. 18 For Extra Shots -

Highway B.M. #2 - Nail in Power Pole 30' Rt Sta 9+60 See Pg. 9

H.I. = ~~475.83~~ 475.56

Lt Shoulder	Lt Edge Conc.	℄	Rt Edge Conc.	Rt Shoulder	Rt
71.7 3.9 40	71.7 3.9 30	71.5 4.1 19	71.0 4.6 17	71.6 4.0 10	71.7 3.9 7.5	71.9 3.7	71.7 3.9 7.5	71.7 3.9 9	71.6 4.0 24	71.6 4.0 30	71.7 3.9 40
71.8 3.8 40	72.1 3.5 30	71.7 3.9 19	71.5 4.1 17	71.8 3.8 10	71.8 3.8 7.5	72.0 3.6	71.7 3.9 7.5	71.8 3.8 9	72.1 3.5 15	71.8 3.8 30	71.9 3.7 40
	72.5 3.7 40	72.3 3.5 30	71.9 3.7 10	71.8 3.8 7.5	72.0 3.6	71.8 3.8 7.5	71.9 3.7 9	72.0 3.6 18	71.8 3.8 30	72.0 3.6 40	
71.8 3.8 40	71.9 3.7 30	72.1 3.5 25	71.9 3.7 23	71.9 3.7 9	71.8 3.8 7.5	72.1 3.5	71.8 3.8 25	71.8 3.8 9	71.6 4.0 17	71.5 4.1 22	72.0 3.6 30	71.8 3.8 40
72.0 3.6 30	72.3 3.3 27	71.3 4.3 18	71.1 4.5 17	71.4 4.2 11	71.5 4.1 10	71.6 4.0 7.5	71.8 3.8	71.6 4.0 7.5	71.5 4.1 10	71.1 4.5 15	71.6 4.0 19	71.8 3.8 30	71.9 3.7 40
71.6 4.0 40	71.4 4.2 30	71.3 4.3 27	70.9 4.7 19	70.6 5.0 17	71.0 4.6 11	71.3 4.3 10	71.3 4.3 7.5	71.5 4.1	71.2 4.4 7.5	71.2 4.4 9	70.7 4.9 14	71.2 4.4 18	71.1 4.5 30	71.8 4.3 40
	70.7 4.9 40	70.4 5.2 30	70.2 5.4 17	71.0 4.6 10	71.1 4.5 7.5	71.8 4.1	71.1 4.5 7.5	70.9 4.7 10	70.4 5.2 20	70.8 4.8 30	70.6 5.0 40		
		70.3 5.3 40	70.6 5.0 30	70.8 4.8 10	70.8 4.8 7.5	71.0 4.6	70.9 4.7 7.5	70.8 4.8 10	70.2 5.4 30	69.9 5.7 40			
70.7 4.9 40	71.0 4.6 30	71.16 4.40 28 Curb	70.6 5.0 28	70.0 5.6 17	70.2 5.4 11	70.4 5.2 10	70.5 5.1 7.5	70.7 4.9	70.4 5.2 7.5	70.4 5.2 10	69.9 5.7 20	69.5 6.1 30	69.8 6.3 40	
	70.0 5.6 40	70.5 5.1 30	69.8 5.7 28	69.9 5.7 16	70.0 5.6 10	70.1 5.5 7.5	70.3 5.3	70.1 5.5 7.5	70.0 5.6 11	69.7 5.9 12	68.4 7.2 24	68.4 7.2 30	68.8 6.8 40	
69.6 6.0 40	70.4 5.2 36	70.5 5.1 30	70.05 4.91 28 Curb	69.6 6.0 28	69.5 6.1 16	69.9 5.7 10	70.0 5.6 7.5	70.2 5.4	69.9 5.7 7.5	69.9 5.7 10	68.8 6.8 18	68.4 7.2 21	68.4 7.2 30	68.7 6.9 40

Reduced 4-1-27 C.W.
Checked - 4-4-27. B.B.B.

~~474.49~~ 474.22

H.I. – ~~474.5~~ 474.22

Readings are written as elevation, then rod / distance.

Station	Left of shoulder	Shoulder	Edge Conc.	Center	Edge Conc.	Shoulder	Right of shoulder
14+50	69.8 4.4/40; 70.4 3.8/30; 70.49 3.73/28 (Curb); 69.5 4.7/28	69.7 4.5/10	69.8 4.4/7.5	70.0 4.2	69.6 4.6/7.5	69.6 4.6/9	68.9 5.3/18; 68.4 5.8/22; 68.4 5.8/30; 68.6 5.6/40
15+00	69.7 4.5/40; 70.1 4.1/30; 70.31 3.91/28 (Curb); 69.3 4.9/28; 69.3 4.9/17	69.4 4.8/10	69.5 4.7/7.5	69.7 4.5	69.5 4.7/7.5	69.4 4.8/10	69.2 5.0/17; 68.3 5.9/25; 68.1 6.1/30; 68.7 5.5/40
15+50	69.6 4.6/40; 70.0 4.2/30; 70.12 4.10/28 (Curb); 69.0 5.2/28; 69.2 5.0/19	69.3 4.9/10	69.3 4.9/7.5	69.5 4.7	69.3 4.9/7.5	69.4 4.8/9	69.3 4.9/18; 69.1 5.1/30; 68.9 5.3/40 (← Drive →)
16+00	69.8 4.4/40; 69.9 4.3/30; 70.08 4.14/28 (Curb); 69.1 5.1/28; 69.3 4.9/17	69.3 4.9/10	69.3 4.9/7.5	69.6 4.6	69.4 4.8/7.5	69.4 4.8/9	69.2 5.0/15; 69.7 4.5/18; 69.3 4.9/30; 69.3 4.9/40
16+50	70.4 3.8/40; 69.9 4.3/33; 70.1 4.1/30; 70.07 4.15/28 (Curb); 69.2 5.0/28	69.3 4.9/10	69.3 4.9/7.5	69.6 4.6	69.4 4.8/7.5	69.4 4.8/10	69.0 5.2/14; 69.3 4.9/19; 69.5 4.7/24; 69.3 4.9/30; 69.1 5.1/40
P.C. 17+04.32 ↑ / 17+04.03 ↓	70.1 4.1/40; 70.0 4.2/30; 69.99 4.23/28 (Curb); 69.0 5.2/28; 69.0 5.2/17	69.2 5.0/10	69.2 5.0/7.5	69.5 4.7	69.3 4.9/7.5	69.3 4.9/9	69.2 5.0/17; 69.2 5.0/30; 69.2 5.0/40
17+50	69.8 4.4/40; 69.8 4.4/30; 69.91 4.31/28 (Curb); 68.9 5.3/28	69.1 5.1/10	69.2 5.0/7.5	69.4 4.8	69.2 5.0/7.5	69.1 5.1/9	69.3 4.9/19; 69.3 4.9/30; 69.2 5.0/40
Choctaw Drive 17+88.26	69.6 4.6/40; 69.2 5.0/30; 68.7 5.5/26; 69.1 5.1/23 (← street →)	69.1 5.1/9	69.1 5.1/7.5	69.3 4.9	69.0 5.2/7.5	69.0 5.2/10	68.9 5.3/16; 69.1 5.1/17; 68.9 5.3/30; 68.6 5.6/40
18+00	69.0 5.2/40; 69.0 5.2/30; 68.9 5.3/25	69.0 5.2/10	69.0 5.2/7.5	69.3 4.9	69.0 5.2/7.5	69.1 5.1/10	68.9 5.3/18; 68.6 5.6/23; 69.0 5.2/30; 68.6 5.6/35; 68.9 5.3/40
18+50	69.2 5.0/40; 69.6 4.6/35; 69.8 4.4/30; 69.88 4.34/28 (Curb); 68.8 5.4/28; 68.7 5.5/16	68.9 5.3/10	69.0 5.2/7.5	69.3 4.9	69.2 5.0/7.5	69.2 5.0/10	68.8 5.4/20; 69.0 5.2/25; 69.3 4.9/30; 68.6 5.6/35; 69.0 5.2/40
19+00	69.2 5.0/40; 69.9 4.3/35; 69.8 4.4/30; 69.74 4.48/28 (Curb); 68.8 5.4/28; 69.0 5.2/18	68.9 5.3/10	69.0 5.2/7.5	69.2 5.0	69.1 5.1/7.5	69.1 5.1/9	68.9 5.3/20; 69.1 5.1/30; 69.5 4.7/33; 69.0 5.2/36; 69.0 5.2/40

74.22
4.9
69.32

See Pg. 21

3.19	~~472.48~~ 472.21	5.20	~~469.29~~ 469.02

Reduced 4-1-27 C.J.W.
Checked 4-4-27 E.B.B.

~~472.21~~
~~472.48~~

	LT					Shoulder	Edge Conc.	℄ H.I. ~~472.5~~ 472.2	Edge Conc.	Shoulder	RT			
19+50	69.3 2.9 40	69.7 2.5 30	69.66 2.56 28 Curb	68.7 3.5 28	68.7 3.5 25	68.8 3.4 10	68.9 3.3 7.5	69.2 3.0	69.2 3.0 7.5	69.2 3.0 8	69.1 3.1 16	69.3 2.9 28	69.1 3.1 30	69.0 3.2 40
20+00	69.0 3.2 40	69.3 2.9 35	69.5 2.7 30	69.58 2.63 28 Curb	68.6 3.6 28	68.5 3.7 25	68.7 3.5 10	68.8 3.4 7.5	69.1 3.1	68.9 3.3 7.5		68.6 3.6 15	69.2 2.9 23	68.6 3.6 28	68.7 3.5 30	68.6 3.6 40
20+31.95 P.T. 20+31.87	68.7 3.5 40	69.5 2.7 30	69.47 2.72 28 Curb	68.5 3.7 28	68.1 4.1 27	68.4 3.8 17	68.6 3.6 10	68.7 3.5 7.5	69.0 3.2	68.8 3.4 7.5	68.7 3.5 10	68.2 4.0 16	68.8 3.4 24	68.5 3.7 30	68.2 4.0 40	
20+50	68.5 3.7 40	69.1 3.1 35	69.2 3.0 30	69.37 2.84 28 Curb	68.4 3.8 28	68.4 3.8 18	68.6 3.6 10	68.6 3.6 7.5	68.9 3.3	68.6 3.6 7.5	68.5 3.7 10	68.0 4.2 17	68.4 3.8 18	68.3 3.9 26	68.1 4.1 40	
21+00	68.0 4.2 40	68.3 3.9 35	69.0 3.2 30	69.08 3.13 28 Curb	68.0 4.2 28	68.4 3.8 10	68.2 3.9 7.5	68.6 3.6	68.3 3.9 7.5	68.2 4.0 10	68.0 4.2 11	67.6 4.6 16	68.1 4.1 18	68.3 3.9 25	67.8 4.4 30	68.1 4.1 40
See Pg. 21 Art 5f 21+42.47		68.6 3.6 40	68.3 3.9 30 Street	67.5 4.7 28	68.7 4.0 17	68.2 4.0 10	68.4 4.1 7.5	68.8 3.9	68.1 4.1 7.5	68.0 4.2 10	67.8 4.4 11	67.4 4.8 18	67.8 4.4 24	67.8 4.4 30	67.9 4.3 40	
22+00	77.5 4.7 40	77.6 4.6 32	67.4 4.8 30	76.7 5.0 21	67.7 4.5 10	67.8 4.4 7.5	68.0 4.2	67.8 4.2 7.5	67.7 4.5 10	67.5 4.7 11	67.1 5.1 18	67.9 4.3 23	68.1 4.1 30	67.6 4.6 35	67.6 4.6 40	
22+50	67.3 4.9 40	67.6 4.6 30	67.0 5.2 27	66.8 5.4 21	66.7 5.5 15	67.5 4.7 10	67.5 4.7 7.5	67.8 4.4	67.6 4.6 7.5	67.5 4.7 11	67.2 5.0 12	66.6 5.6 19	67.0 5.2 20	67.7 4.5 30	67.2 5.0 40	
23+00	67.1 5.1 40	67.2 5.0 30	66.8 5.4 25	66.6 5.6 16	66.9 5.3 11	67.2 5.0 10	67.2 5.0 7.5	67.5 4.7	67.2 5.0 7.5	67.2 5.0 10	66.9 5.3 11	66.0 6.2 19	66.7 5.5 24	66.9 5.3 30	66.5 5.7 40	
23+30		66.6 5.6 40 Drive		66.7 5.5 30	66.4 5.8 16	67.0 5.2 10	67.0 5.2 7.5	67.3 4.9	67.0 5.2 7.5	67.0 5.2 10	65.6 6.6 21	66.7 5.5 30	66.4 5.8 40			
23+50	66.0 6.2 40	66.7 6.0 30	66.5 5.7 26	65.7 6.5 21	66.1 6.1 17	66.8 5.4 10	67.0 5.2 7.5	67.2 5.0	66.9 5.3 7.5	66.8 5.4 11	65.5 6.7 21	66.1 6.1 24	66.4 5.8 30	66.5 5.7 40		

Reduced 4-1-27 CJW
Checked EBB 4-4-27

	~~472.48~~ 472.21			
4.05	~~470.56~~ 470.29	5.97	~~466.51~~ 466.24	

H.I. ~~472.5~~ 472.21 (for 24+00); H.I. ~~470.6~~ 470.29 (from 24+25)

Station	Lt	Shoulder	Edge Conc.	℄	Edge Conc.	Shoulder	Rt
24+00	65.4 6.8/40; 65.4 6.8/30; 65.6 6.6/24; 64.9 7.3/22; 66.3 5.9/11	66.6 5.6/10	66.7 5.5/7.5	67.0 5.2	66.8 5.4/7.5	66.7 5.5/10	66.3 5.9/12; 64.7 7.5/20; 65.7 6.5/30; 66.1 6.1/40
24+25	65.6 4.7/40; 65.8 4.5/30; 65.9 4.4/15 (← Drive →)	66.5 3.8/10	66.6 3.7/7.5	66.8 3.5	66.6 3.7/7.5	66.5 3.8/11	66.3 4.0/12; 65.1 5.2/19; 65.4 4.9/27; 65.5 4.8/30; 65.8 4.5/40
24+50	65.3 5.0/40; 65.9 4.4/30 Curb; 65.7 4.6/30; 64.6 5.7/20	66.3 4.0/10	66.3 4.0/7.5	66.7 3.6	66.4 3.9/7.5	66.3 4.0/11	65.3 5.0/17; 65.5 4.8/30; 65.5 4.8/40
25+00	65.1 5.2/40; 66.0 4.3/30 Curb; 65.7 4.6/30; 65.3 5.0/16	66.1 4.2/10	66.1 4.2/7.5	66.4 3.9	66.2 4.1/7.5	66.2 4.1/11	65.2 5.1/17; 65.3 5.0/27; 65.7 4.6/30; 65.6 4.7/40
25+25	65.6 4.7/40; 65.8 4.5/30 (← Drive →)	66.0 4.3/10	66.0 4.3/7.5	66.2 4.1	66.0 4.3/7.5	65.8 4.5/10	65.3 5.0/21; 66.4 3.9/30; 65.9 4.4/40
25+50	66.0 4.3/40; 65.7 4.6/30	65.8 4.5/10	65.8 4.5/7.5	66.0 4.3	65.8 4.5/7.5	65.7 4.6/10	65.4 4.9/17; 66.1 4.2/20; 65.5 4.8/23; 66.0 4.3/30; 66.1 4.2/40
25+80	65.8 4.5/40; 66.1 4.2/30 (← Drive →)	65.7 4.6/10	65.7 4.6/7.5	65.9 4.4	65.7 4.6/7.5	65.7 4.6/10	65.4 4.9/16; 65.8 4.5/19; 65.9 4.4/30; 66.0 4.3/40 (← Drive →)
26+00	66.1 4.2/40; 66.1 4.2/30; 66.1 4.2/23; 65.5 4.8/14	65.5 4.8/10	65.5 4.8/7.5	65.7 4.6	65.4 4.9/7.5	65.3 5.0/10	65.2 5.1/16; 66.2 4.1/20; 66.3 4.0/30; 66.4 3.9/40
26+10	66.4 3.9/40; 66.4 3.9/30; 65.9 4.4/18; 64.3 6.0/15; 65.3 5.0/14	65.3 5.0/10	65.3 5.0/7.5	65.6 4.7	65.3 5.0/7.5	65.3 5.0/10	65.1 5.2/16; 66.3 4.0/19; 66.4 3.9/30; 66.3 4.0/34; 66.3 4.0/40
26+43	66.7 3.6/40; 66.6 3.7/30; 66.2 4.1/18; 64.1 6.2/15; 64.7 5.6/14	64.9 5.4/9	64.9 5.4/7.5	65.1 5.2	64.9 5.4/7.5	64.8 5.5/10	65.0 5.3/15; 67.1 3.2/19; 66.9 3.4/30; 66.8 3.5/40
26+50	66.6 3.7/40; 66.4 3.9/30; 65.0 5.3/16 (← Drive →)	64.8 5.5/10	64.8 5.5/7.5	65.0 5.3	64.7 5.6/7.5	64.7 5.6/10	64.9 5.4/15; 66.6 3.7/18; 67.0 3.3/30; 66.8 3.5/40

Reduced 4-1-27 [illegible]

Checked 4-4-27 EBH.

H.I. – ~~470.6~~ 470.3

	B.S.	H.I.	F.S.	Elev.	Sta.	Lt.	Shoulder	Edge Conc.	℄	Edge Conc.	Shoulder	Rt.
		~~470.56~~ 470.79										
					26+65	66.6 3.7/40; 66.8 3.5/30; 66.9 3.4/24; 65.7 4.6/17; 64.0 6.3/15; 64.6 5.7/14	64.5 5.8/10	64.5 5.8/7.5	64.7 5.6	64.5 5.8/7.5	64.5 5.8/10	64.8 5.5/15; 67.1 3.2/19; 67.0 3.3/30; 66.8 3.5/40
					26+93	66.9 3.4/40; 67.0 3.3/30; 66.7 3.6/20; 64.1 6.2/17	63.8 6.5/10	63.9 6.4/7.5	64.1 6.2	63.9 6.4/7.5	63.9 6.4/10	64.1 6.2/14; 67.0 3.3/18; 67.3 3.0/30; 66.8 3.5/40
					27+10	65.7 4.6/40; 64.7 5.6/30; 63.6 6.7/15 (Top Gas Main); 6.7/15; 63.3 7.0/13	63.6 6.7/10	63.5 6.8/7.5	63.8 6.5	63.5 6.8/7.5	63.5 6.8/10	64.0 6.3/16; 66.3 4.0/18; 66.9 3.4/30; 66.9 3.4/40
P.T.					27+41⁴⁸ ↗ 27+17²⁶ ↘	64.9 5.4/40; 64.6 5.7/30; 63.9 6.4/21; 62.8 7.5/13 (Top Gas Main); 62.6 7.7/12	62.7 7.6/10	62.8 7.5/7.5	63.1 7.2	62.9 7.4/7.5	62.7 7.6/12	63.0 7.3/18; 65.1 5.2/20; 65.7 4.6/30; 65.0 5.3/40
					27+25	64.9 5.4/40; 64.5 5.8/30; 63.8 6.5/22; 62.7 7.6/13 (Top Gas M); 62.4 7.9/11	62.6 7.7/10	62.7 7.6/7.5	62.9 7.4	62.7 7.6/7.5	62.7 7.6/10	62.6 7.7/18; 63.1 7.2/30; 63.4 6.9/40
					27+50	64.3 6.0/40; 63.6 6.7/30; 62.1 8.2/12	62.2 8.1/10	62.2 8.1/7.5	62.4 7.9	62.2 8.1/7.5	62.2 8.1/10	62.7 7.6/22 (gas valve); 63.0 7.3/30; 63.0 7.3/40 ← street →
	2.20	~~464.29~~ 464.02	8.47	~~462.09~~ 461.82								
BM. #4			7.11	~~457.18~~ 456.91								

Nail in Pole 25' Lt Sta 31+05 – Elev 456.95

Reduced 4-1-27 C.T.W.
Checked 4-4-27 E.B.H.

Cont'd on Pg. 14

Bench Levels Running Westerly (Circuit #1)

B.M #4 Rolando B.M.	8.423	465.373		456.95
			3.375	461.998
	9.168	466.926	7.615	457.758
	5.682	471.418	1.190	465.736
B.M. "A"	3.438	473.874	0.982	470.436
	5.548	475.167	4.255	469.619
Highway B.M. #2			3.030	472.137
B.M "B"			2.163	473.004
	3.033	476.037		
	4.261	474.972	5.326	470.711
Highway B.M. #1			6.25	468.72
B.M. "C"			5.294	469.678
	5.472	475.808	4.636	470.336
	3.200	475.075	3.933	471.875
	4.585	473.810	5.850	469.225
B.M. "A"			3.398	470.412
	3.004	471.486	5.328	468.482
	2.138	467.779	5.845	465.641
	4.542	462.216	10.105	457.674
Highway B.M. #4			5.325	456.891

Dietzgen Level # 10845

9

March 19-27
Clark
Culver
Rather

Highway BM #4 Nail in Pole 25' Lt Sta 31+05
On Iron pipe - Triangulation Sta Rolando #1 - Elev = 461.94

Nail in easterly end of sign Board 60' Lt Sta 19+50

Nail in pole 30' Rt Sta 9+60 Elev = 472.41

Nail in pole 150' Lt Sta 10+25

Nail in pole 25' Rt Sta 0-30 Elev 467.67

Nail in easterly end of sign board 135' Rt Sta 0-150

468.72
5.55
474.27

Checked
4-1-27
C.W.W.

Elev = 456.95

Bench Levels Running Easterly (Circuit #2)

Dietzgen Level # 10845

March-19-1927

Clark
Culver
Rodier

Highway B.M. #4	5.310	462.260 / 265		456.95	Nail in pole 25 Lt Sta 31+05
	4.419	463.952	2.732	459.528 / 533	
	1.397	453.375	11.974	451.978	
	0.787	442.554	11.608	441.767	
	1.243	431.981	11.816	430.738	
B.M "E"	11.432	440.271	3.142	428.839 / adjusted by Clark 428.836	428.94 Adj - to suit State Datum - Nail in Western End of sign board 50 Rt Sta 39+85
	11.168	450.565	0.874	439.397	
	11.813	462.115	0.263	450.302	
B.M. "F"			3.147	458.968 / Adjusted by Clark 458.966	459.07 Nail in Tree 50 Rt Sta 42+50
	4.557	462.228	4.444	457.671	
B.M. "G"			1.870	460.358 / adjusted by Clark 460.350	Nail in pole 100 Rt Sta 46+20
	0.868	455.028	8.068	454.160	
	4.069	447.745	11.352	443.678	
	11.185	448.384	10.546	437.198	
	11.766	459.490	0.660	447.724	
	4.860	462.006	2.344	457.146	
Highway B.M. #4			5.040	456.966	
B.M. #4	5.040	461.990		456.95	
BM "D"			8.621	453.369	Nail in Pole 165 Lt Sta 31+35

Calculations checked 4-1-27 C.F.W.

Bench Levels

Circuit #3

					Adjusted Elev	
B.M "G"	4.547	464.897		460.350		Nail in pole 100' Rt Sta 46+20
	5.143	466.545	3.495	461.402		
	5.273	468.605	3.213	463.332		
B.M. H	4.596	467.597	5.604	463.001	462.992	On N.E. Cor. Concrete step "Casita" House - 75' Rt Sta 64+00 (+0.13)
	7.766	471.560	3.803	463.794		March 21-1927
Highway B.M. #8			3.680	467.880	467.868	Elev = 468.06 - Nail in Pole 39' Rt Sta 70+25 — Clark, Culver, Rodier, Dietzgen Level #
	10.132	480.797	0.895	470.665		
B.M.-I			8.729	472.068	472.055	On N.E. Cor. Conc Step of house 70' Rt Sta 72+50 (+0.13)
	8.903	485.992	3.708	477.089		
Highway B.M. #9			5.723	480.269		Nail in Pole 39' Rt Sta 79+74 Elev = 480.20
	9.140	494.227	0.905	485.087		
B.M. "J"			2.870	491.357	491.337	Nail in southerly end of sign board 75' Lt Sta 84+50 (+0.15)
	0.920	485.909	9.238	484.989		
	5.170	482.056	9.023	476.886		
	1.250	472.143	11.163	470.893		
	3.272	467.732	7.683	464.460		
	5.693	468.972	4.453	463.279		
B.M. "H"			5.950	463.022		
	5.064	468.233	5.803	463.169		
	4.365	466.193	6.405	461.828		
			5.803	460.390		

checked 4-1-27 C.F.W.

B.M. G ?

Bench Levels (Circuit #4)

	+	π	−		
B.M. "J"	0.563	491.900		491.337	491.49
	4.442	487.660	8.682	483.218	
	8.873	493.318	3.215	484.445	
B.M. "K"			0.542	492.776	492.93
	7.190	498.664	1.844	491.474	
	9.440	507.458	0.646	498.018	
Highway B.M. #11			5.705	501.753	501.89 ✓
B.M. "L"			1.493	505.965	506.12 ✓
	4.149	504.146	7.461	499.997	
	11.923	514.520	1.549	502.597	
	11.880	525.724	0.676	513.844	
	9.175	534.028 ~~535.028~~	0.871	524.853 ~~525.853~~	
Highway B.M. #1			6.130	527.898 ~~528.898~~	528.01
B.M. "M"			3.828	530.200 ~~531.200~~	530.34 ✓
	6.283	537.410 ~~538.410~~	2.901	531.127 ~~532.127~~	
	3.157	533.861 ~~534.861~~	6.706	530.704 ~~531.704~~	
	9.740	537.942 ~~538.942~~	5.659	528.202 ~~529.202~~	
	10.877	547.309 ~~548.309~~	1.510	536.432 ~~537.432~~	
B.M. "N"			3.872	543.437 ~~544.437~~	
	1.225	538.765 ~~539.765~~	9.769	537.540 ~~538.540~~	
	7.200	535.626 ~~536.626~~	10.339	528.426 ~~529.426~~	
	4.331	536.383 ~~537.383~~	3.574	532.057 ~~533.057~~	
	0.870	529.834 ~~530.834~~	7.419	528.964 ~~529.964~~	
	1.987	520.269 ~~521.269~~	11.552	518.282 ~~519.282~~	

94+75

12.

Dietzgen Level #

March 21-1927

Clark

Culver

Rodier

Nail in tree 60 Lt Sta 94+75

Nail in brace post 20' Lt Sta 100+16 Elev- 501.89

Nail in 18" Eucalyptus tree 50' Lt Sta 100+75

Nail in pole 50' Rt Sta 112+50 - W. Side Park Ave. El 530.34

Nail in guy pole 50' Rt Sta 125+00 - W. Side Lee Ave

		520.269		
		~~521.269~~		
		509.834		508.405
	1.429	~~510.834~~	11.864	~~509.405~~
		505.856		499.314
	6.542	~~500.856~~	10.520	~~500.314~~
		500.939		500.756
	0.183	~~445.939~~	5.100	~~445.756~~
		493.664		492.281
	1.383	~~488.664~~	8.658	~~487.281~~
		488.355		484.012
	4.343	~~487.355~~	9.652	~~478.012~~
				483.098
	9.504	492.602	5.257	~~477.098~~
B.M. "J"			1.318	491.284

Elev- 491.337

Checked 4-1-27
C. Dec.

Highway BM #4	7.86	464.81		456.95	
See Pg. 22					28+00
					28+50
					29+00
¢ Culvert					29+19
P.T.					29+54.44
					30+00
	5.55	462.50	7.86	456.95	30+50
					31+00
					31+50
					32+00

Con't'd from Pg. 8

H.I. = 464.81

Sta.	Lt	¢	Rt
28+00	62.6 2.2/40 ; 62.5 2.3/35 ; 62.8 2.0/30 ; 62.6 2.2/24 ; 62.3 2.5/18 ; 61.2 3.6/13 ; 61.5 3.31/10 ; 61.4 3.41/7.5	61.60 3.21	61.38 3.43/7.5 ; 61.48 3.33/9 ; 61.2 3.6/14 ; 61.6 3.2/17 ; 61.9 2.9/30 ; 62.1 2.7/40
28+50	61.5 3.3/40 ; 61.4 3.4/30 ; 61.3 3.5/19 ; 60.5 4.3/15 ; 60.59 4.22/10 ; 460.54 4.27/7.5	60.72 4.09	60.44 4.37/7.5 ; 60.52 4.29/10 ; 60.5 4.3/16 ; 60.8 4.0/17 ; 60.7 4.1/19 ; 59.5 5.3/22 ; 59.4 5.4/30 ; 59.6 5.2/40
29+00	55.2 9.6/40 ; 55.7 9.1/30 ; 55.5 9.3/21 ; 58.5 6.3/15 ; 58.9 5.9/12 ; 59.41 5.40/10 ; 59.39 5.42/7.5	459.55 5.26	59.42 5.39/7.5 ; 59.45 5.36/10 ; 59.4 5.4/14 ; 59.5 5.3/16 ; 57.2 7.6/22 ; 56.3 8.5/30 ; 55.7 9.1/35 ; 56.2 8.6/40
29+19	53.0 11.8/40 ; 53.3 11.5/30 ; 53.1 11.67/20 (Flow Line) ; 54.8 10.0/19 (Head Wall) ; 58.0 6.8/14 ; 58.4 6.4/11 ; 59.0 (~~69.01~~) 5.80/9 ; 58.96 (~~68.96~~) 5.85/7.5	459.19 5.62	58.95 5.86/7.5 ; 58.92 5.89/10 ; 58.9 5.9/15 ; 55.9 8.9/18 (Head Wall) ; 54.2 10.55/18 (Flow Line) ; 56.4 8.4/21 (Top 16" Plain) ; 55.3 9.5/30 ; 55.7 9.1/40
29+54.44	51.5 13.3/40 ; 52.2 12.6/30 ; 52.9 11.9/22 ; 57.3 7.5/15 ; 58.32 6.49/10 ; 58.32 6.49/7.5	458.55 6.26	58.37 6.44/7.5 ; 58.32 6.49/10 ; 58.3 6.5/17 ; 56.4 8.4/21 ; 56.5 8.3/26 ; 57.1 7.7/30 ; 57.1 7.7/33 ; 57.5 7.3/35
30+00	52.9 11.9/40 ; 53.6 11.2/30 ; 54.2 10.6/21 ; 57.3 7.5/15 ; 57.91 6.90/10 ; 57.89 6.92/7.5	458.16 6.65	57.90 6.91/7.5 ; 57.90 6.91/10 ; 57.3 7.5/20 ; 57.7 7.1/30 ; 54.7 7.1/40 (Drive)
30+50	51.2 13.6/40 ; 52.7 12.1/30 ; 53.6 11.2/19 ; 57.0 7.8/14 ; 57.78 7.03/10 ; 57.68 7.13/7.5	457.94 6.87	57.67 7.14/7.5 ; 57.70 7.11/10 ; 57.3 7.5/17 ; 57.5 7.3/21 ; 57.6 7.2/30 ; 57.5 7.3/40

H.I. = 462.50

Sta.	Lt	¢	Rt
31+00	54.9 7.6/40 ; 55.4 7.1/35 ; 54.8 7.7/30 ; 55.6 6.9/20 ; 56.9 5.6/15 ; 57.49 5.01/10 ; 57.48 5.02/7.5	457.74 4.76	57.49 5.01/7.5 ; 57.54 4.96/10 ; 57.8 4.7/30 ; 58.0 4.5/40
31+50	57.4 5.1/40 ; 57.7 4.8/34 ; 58.3 4.2/30 ; 57.5 5.0/24 ; 57.7 4.8/15 ; 57.3 5.2/14 ; 57.44 5.06/10 ; 57.42 5.08/7.5	457.62 4.88	57.36 5.14/7.5 ; 57.43 5.07/10 ; 58.0 4.5/30 ; 58.2 4.3/37 ; 58.5 4.0/40
32+00	58.2 4.3/40 ; 58.5 4.0/30 ; 58.3 4.2/20 ; 57.7 4.8/16 ; 57.6 4.9/14 ; 57.0 5.5/13 ; 57.28 5.22/10 ; 57.29 5.21/7.5	457.49 5.01	57.25 5.25/7.5 ; 57.25 5.25/10 ; 57.7 4.8/30 ; 57.7 4.8/37 ; 58.4 4.1/38 ; 58.5 4.0/40

Reduced 4-1-27 C.F.W.

Checked 4-4-27 E.B.J.G.

					Station	
	462.50					
					32+50	
					32+60	Culvert
					33+00	
					33+50	
					34+00	
					34+50	
					35+00	
				P.C.	35+26.50 / 35+50.50	
5.19	464.30	3.39	459.11			

H.I. = 462.50

Station	Lt			℄			Rt
32+50	54.5 8.0/40; 54.7 7.8/35; 55.9 6.6/30; 55.8 6.7/24; 57.4 5.1/14; 57.1 5.4/12	57.19 5.31/10	57.17 5.33/7.5	457.39 5.11	57.13 5.37/7.5	57.20 5.30/10	57.1 5.40/15; 56.5 6.0/18; 57.3 5.2/25; 57.3 5.2/30; 59.1 5.4/37; 58.1 4.4/38; 58.3 4.2/40
32+60	54.7 7.8/40; 55.1 7.4/30; 54.68 7.82/13; 56.35 6.15/13 (20" Main; Flow Line; Head Wall)	57.09 5.41/10	57.12 5.38/7.5	457.37 5.13	57.12 5.38/7.5	57.10 5.40/10	56.85 5.65/13; 55.18 7.32/13; 57.0 5.5/18; 57.3 5.2/30; 57.5 5.0/38; 456.1 4.4/40; 4.5/39 (Head Wall; Flow Line)
33+00	56.3 6.2/40; 56.5 6.0/30; 57.0 5.5/27; 58.0 4.5/16; 57.4 5.1/14; 56.8 5.7/13	57.0 5.50/10	57.08 5.42/7.5	457.27 5.23	57.01 5.49/7.5	57.13 5.33/9	56.9 5.6/13; 57.3 5.2/30; 57.4 5.1/37; 58.0 4.5/38; 58.3 4.2/40
33+50	58.1 4.4/40; 57.9 4.6/30; 58.3 4.2/18; 56.7 5.8/12	56.93 5.57/10	456.88 5.62/7.5	457.10 5.40	56.90 5.60/7.5	56.92 5.58/10	57.4 5.1/27; 57.2 5.3/30; 56.8 5.7/40; 57.7 4.8/43
34+00	58.2 4.3/40; 58.2 4.3/30; 58.4 4.1/26; 58.9 3.6/24; 59.3 3.2/17; 57.1 5.4/12	56.94 5.56/10	56.77 5.73/7.5	456.99 5.51	56.76 5.74/7.5		57.4 5.1/30; 57.5 5.0/40 (Rolando Blvd)
34+50	56.1 6.4/40; 56.4 6.1/38; 58.8 3.7/30; 59.4 3.1/27; 58.9 3.6/24; 58.3 4.2/16; 56.3 6.2/12	56.57 5.93/10	56.71 5.79/7.5	456.87 5.63	56.61 5.89/7.5		56.8 5.7/22; 56.6 5.9/30; 56.8 5.7/40 (Rolando Blvd)
35+00	56.7 5.8/40; 57.9 4.6/30; 58.9 3.6/26; 58.9 3.6/19; 56.3 6.2/12	56.27 6.23/10	56.33 6.17/7.5	456.60 5.90	56.41 6.09/7.5	56.47 6.03/10	56.4 6.1/13; 56.7 5.8/20; 57.5 5.0/25; 58.1 4.4/30; 58.3 4.2/40
35+26.50 / 35+50.50	58.1 4.4/40; 57.8 4.7/30; 58.6 3.9/17; 56.5 6.0/12	56.30 6.20/10	56.19 6.31/7.5	456.38 6.12	56.09 6.41/7.5	56.16 6.34/9	56.4 6.1/17; 58.1 4.4/25; 58.2 4.3/30; 58.1 4.4/40

Reduced 4-1-27 C.F.M.

Checked 4-4-27 E.B.R.

	464.30 ✓			
				36+00
				36+50
				37+00
1.29	453.58 ✓	12.01	452.29 ✓	
				37+50
0.67	442.31 ✓	11.94	441.64 ✓	
				38+00
1.54	433.00 ✓	10.85	431.46 ✓	
			P.T.	38+27.50 ✓
B.M. "E"		4.29	428.71 ✓	428.84

Cont'd on Pg. 19

Lt. ℄ Rt

H.I. = 464.3 ✓

59.1 59.1 59.1 56.1 55.65 55.55 455.66 56.70 57.45 55.27 55.4 58.5 59.2 59.3
5.2/40 5.2/30 5.2/17 8.2/8 8.65/6 8.75/4 8.64 8.60/4 8.85/11 9.03/15 8.9/20 5.8/30 5.1/35 5.0/48

Pavement

58.4 58.5 56.8 59.0 58.7 59.1 459.70 54.8 54.21 54.30 54.07 53.98 54.3 58.2
5.1/50 5.8/40 5.5/30 5.3/19 6.1/17 5.2/13 4.6 9.5/6 10.09/10 10.00/19 10.28/28 10.32/30 10.0/35 6.1/47

Pav Pav

54.1 54.9 56.6 55.8 55.1 456.0 57.5 58.1 58.2 53.2 52.18 52.03 52.09
10.2/50 9.4/40 7.7/15 8.5/8 9.2/2 8.3 6.8/11 6.2/13 6.1/21 11.1/28 12.12/36 12.27/40 12.2/46

5 Pav

H.I. 453.6 ✓

43.8 44.3 44.8 446.0 45.6 46.4 47.9 48.3 48.9 49.5
9.8/50 9.3/40 8.8/15 7.6 8.0/10 7.2/14 5.7/27 5.0/37 4.7/40 4.1/50

H.I. – 442.31 ✓

33.1 33.3 433.4 33.9 34.1 35.6 34.2 35.0
9.2/50 9.0/40 8.9 8.4/20 8.2/33 6.7/40 8.1/44 7.3/50

Top 16" Water Main

H.I. – 433.0 ✓

23.6 23.9 24.1 425.6 25.4 26.3 28.0 28.4
9.4/50 9.1/40 8.9/35 7.4 7.6/17 6.7/30 5.0/40 4.6/50

Nail in Westerly end sign board Elev 428.84 Page 10

Reduced 4-1-27
C.T.W.

Checked GBB. 4-4-27

Bench Levels — Circuit #5

Cont from Page 13

BM "N"	5.935	549.372		543.437
	1.832	539.935	11.269	538.103
	3.702	535.586	8.051	531.884
	0.823	527.416	8.993	526.593
	4.581	520.313	11.684	515.732
	1.444	510.154	11.603	508.710
	12.057	521.501	0.710	509.444
	11.939	532.729	0.711	520.790
	11.971	543.691	1.009	531.720
	5.345	548.201	0.835	542.856
	1.922	541.233	8.890	539.311
	5.843	540.285	6.791	534.442
U.S.G.S.-BM			0.525	539.760
	6.090	541.009	5.366	534.919
	9.022	548.369	1.662	539.347
	1.588	544.295	5.662	542.707
	0.526	533.032	11.789	532.506
	1.290	522.327	11.995	521.037
	0.487	510.980	11.834	510.493
	10.949	516.953	4.976	506.004
	11.365	527.319	0.999	515.954
	9.522	535.511	1.330	525.989
	7.910	540.125	3.296	532.215
	10.070	548.990	1.205	538.920
BM "N"			5.569	543.421

Nail in guy pole 50' Rt Sta 125+00 — W. Side Lee Ave

{Brass cap in wall of Bldg 4'± above sidewalk near SW. Cor Nero Dr & Lookout St Elev - 540.06 La Mesa —

OK 11-1-27 C.F.W.

Elev = 543.437

Bm#B				473.004
	2.80	475.80		
12+30 ±				
			4.73	471.07
			5.5	470.3
			5.8	470.0
			4.75	471.05
			5.8	470.0
			5.8	470.0
			5.3	470.5
			5.03	470.97

See Pg. 4

Bm#2				472.14
	3.39	475.53		
7+50			4.02	471.51
			5.0	470.5
			5.2	470.3
			5.3	470.2
			4.5	471.0
2+84			5.38	470.15

See Pg. 2

See Pg. 9

Along ± Catoctin Dr.
± Pave -
50' North ± St.
90 " - "
" " Curb Rt.
100 "
150 "
184 "
" " Curb Rt.

Reduced 4-1-27 C.F.W.
Checked 4-11-27 BTB

See Pg. 9

71.5

± Pave -
100' South on ± Huron Dr.
200 " "
300 " "
400 " "

On Man Hole Cover 14' Lt of ±

Reduced 4-1-27 C.F.W.
Checked 4-11-27 BTB

Cont'd from Pg. 16

E.P. Chilton
J. Thompson
W. Bunker
3-31-1927

Cont. from Page 16 — 428.84 — B.M.

0.61 — 429.45

Nail in Westerly end of signboard 50 Ft. 39+85

T 429.45 - 4295

38+50

	20.7	21.8	423.3	24.9	27.4	
80	8 8	7 7	6 3	4 6	2 1	19
60	40	15		26	20	60

38+67

17.4	18.4	420.0	21.1	22.7	23.8	24.3
12 4	11 4	9 5	9 4	6 8	5 7	5 3
75	40		20	40	48	75

38+85

15.5	16.6	418.3		19.3	22.4	21.0
14 6	12 9	11 2		10 3	7 4	8 5
75	40			40	60	75

Top 16" Water Main
Disregard for quantities

38+92

16.4	15.5	16.0	416.3	16.9	18.7	20.1
13 4	14 6	13 5	13 2	12 6	11 4	9 8
75	60	40		40	50	75

39+00

	16.2	17.0	16.7	17.4	16.4	17.6	19.0
	13 3	12 5	12 8	12 1	13 4	11 8	10 5
	75	40		40	75	88	100

39+20

17.5	17.9	418.5	19.0	18.7	22.2	
12 6	11 6	11 6	10 5	10 8	7 3	
75	40		40	75	75	

Top 16" Water Main

39+40

22.1	21.0	420.1	20.4	20.9	
7 9	8 5	9 6	9 1	8 6	
75	40		40	75	

39+70

	28.1	425.5	23.8		
0.1	1 4	4 6	5 7	7 9	
60	40		40	60	

0.61 — 428.84

Reduced 4-1-27 CHW

Checked 4-4-27 EPC

	11.27	440.11			
39+90					
40+15					
40+50					
			0.68	439.43	P
	0.15	439.58			
B.M.			11.80	427.78	427.87
	11.80	439.67			
B.M.#"E"			10.71	428.96	428.84
			0.15	439.52	
	12.81	452.33			
A1					
			1.97	450.41	
	12.05	462.46			
+5.0					
A2					

Cont'd on Pg. 23

T 440.11

	31.8	30.6	429.1	28.5	26.2
83/60	8.3	9.5	11.6	11.6	13.9
	40	15		11	40
					157/60
	35.1	433.7	32.8	31.8	
A5/60	5.0	6.4	7.3	8.3	87/60
	40		25	40	
	439.7	438.1	37.7	36.8	
	0.4	2.0	2.4	3.3	
	40		16	40	

Top fence post 25' Lt 40+15

E.P. Chilton
3-31-1927

~~State~~ B.M. 68' Lt Sta. 39+64 on 1x2 Hub

See Pg. 10

H1 452.3

46.7	46.4	46.7	446.4	45.3	45.1
5.6/40	5.9/25	5.6/15	5.8	7.0/25	7.3/40

H.1. 462.5

54.3	454.0	453.0	452.8	52.7
8.7/40	8.5/25	9.5	9.7/25	10.3/40

57.3	57.1	457.0	56.9	56.7
5.2/40	5.4/25	5.5	5.6/25	5.8/40

Reduced 4-1-27 E.P.C.
Checked 4-4-27 EBJR.

B.M. "A"				470.44	See Pg. 9
	3.39	473.83			
17+88.26 POT			4.51	469.32	69.32 ± Pave
			3.9	69.9	50' N. on ± Choctaw Dr.
			3.98	369.85	" Rt Curb
			3.90	369.93	" Lt. "
			3.4	70.4	150' N ± St.
			3.66	370.17	" 15' Rt. Curb
			3.63	370.20	" 15' Lt. "
B.M. "A"				470.44	See. Pg. 9
	2.68	473.12			
21+42.47			4.82	68.30	68.31 ± Pavement-
			4.6	68.5	37' N on ± Art St - End Ret.
			4.72	468.90	" 15' Lt. on Curb
			4.9	68.2	100 N on ±
			4.67	468.45	" 15' Lt. - Curb
			5.3	67.8	250 N On ±
			5.40	467.72	" 15' Rt - Curb
			5.38	467.74	" " 15' Lt "

Reduced 4-1-27 CJW.
Checked 4-4-27 EBH.

BM #4

10.56 467.51

456.95 See Pg. 9

28+00.76

5.69 461.82

3.3 64.2

1.4 66.1

Sec 20

27+55

4.82 462.69

± Pavement

100' South of ± Seminole -

200' " "

24' Rt. of ± On Gas Valve Cover -

Checked 4-4-27

SBB

Cont'd from Pg. 20

		462.46			
42+50					
B.M. "F"			3.38	459.08	9.07 458.97
43					
+50			4.10	458.36	
	4.11	462.47			
44					
+50					
45					
+50					
46					

See Pg. 10

H.I. 462.46 = 462.5

58.2 4.3/40	58.2 4.3/25	457.8 4.7/	57.5 5.0/25	57.5 5.0/40
58.4 4.1/40	58.4 4.1/25	457.8 4.7/	57.7 4.8/25	57.3 5.2/40
458.4 4.1/40	458.4 4.1/25	458.4 4.1/	57.7 4.8/25	57.4 5.1/40

462.5

58.2 4.3/40	58.1 4.4/25	457.6 4.9/	57.2 5.3/25	57.2 5.3/40
57.7 4.8/40	57.7 4.8/25	457.4 5.1/	457.4 5.1/25	57.3 5.2/40
57.9 4.6/40	57.8 4.7/25	457.7 4.8	57.8 4.7/25	57.9 4.6/40
58.4 4.1/40	58.8 3.7/25	458.7 3.8/	58.6 3.9/25	58.7 3.8/40
59.4 3.1/40	59.4 3.1/25	459.6 2.9/	59.5 3.0/25	59.5 3.0/40

Checked 4-4-27 EBH. Reduced 4-1-27 C.F.W.

46+50		462.47				
B.M. "G"			1.99	460.48	460.50	See Pg. 10
	4.24	464.72				
B.M.			5.78	458.94	458.96	State B.M. – On P.C. Hub Sta. 46+98.02
47						
+08						
+50						
48						
+50						
49						

On Angle of Alice St.
For drainage – not quantities –

H.I. 462.5

59.1 3.4/40 · 59.7 2.8/25 · 459.5 3.0 · 59.4 3.1/25 · 59.3 3.2/40

H.I. 464.72

59.3 5.4/40 · 59.4 5.3/25 · 459.6 5.1 · 59.71 5.01/25 at Pave · 59.20 5.52/40 Pave

57.1 7.6/200 · 58.6 6.1/100 · 59.6 5.1/50 · 459.7 5.0 · 59.36 5.36/50 · 58.72 6.00/100 · 56.92 7.80/200

59.7 5.0/40 · 60.49 4.23/21 · 460.64 4.08/8 · 460.28 4.44 Pave · 59.4 5.3/11 · 59.6 5.1/19 · 59.7 5.0/40 · 60.31 4.41 Conc. base of pump –

59.7 5.0/40 · 60.0 4.7/32 · 61.0 3.7/22 · 61.14 3.58/18 E.P. · 61.29 3.43/10 · 460.74 3.98 · 60.4 4.3/4 · 59.7 5.0/25 · 59.6 5.1/40

61.1 3.6/40 · 60.6 4.1/22 · 60.8 3.9/16 · 61.27 3.45/11 E.P. · 61.53 3.19/4 · 461.39 3.33 · 61.10 3.62/4 E.P. · 60.6 4.1/9 · 60.0 4.7/40

61.6 3.1/40 · 61.4 3.3/20 · 61.1 3.6/18 · 61.2 3.5/12 · 61.48 3.24/7.5 E.P. · 461.73 2.99 · 61.44 3.28/7.5 · 61.0 3.7/11 · 60.4 4.3/33 · 60.3 4.4/40

Reduced 4-1-27 E.J.W.
CE

49+36.29 = 54+06.85

		464.72			
	4.68	466.05	3.35	461.37	
+50					
B.M.			2.51	463.54	463.51
55					
+50					
+50		Culvert Data			
56					
+50					
T.P.			2.10	463.95	
	3.92	467.87			

H.I. 464.72

61.3	61.3	61.3	461.62	461.87 (33)	61.58	61.0	60.6
3.4	3.6	3.4	3.10	2.85	3.14	3.7	4.1
40	22	12	7.5 EP		7.5 EP	14	40

H.I. 466.05

61.3	61.2	61.1	61.6	61.76	462.12	61.90	61.2	60.9	60.7
4.8	4.9	5.0	4.5	4.29	3.93	4.15	4.9	5.2	5.4
40	27	16	11	7.5 EP		7.5 EP	14	19	40

Stale B.M. - Nail in Pepper Tree 52' Lt 54+76

61.4	61.0	60.6	61.6	61.0	61.6	61.84	462.22	61.88	61.5	61.4	61.0	60.9	60.9
4.7	5.1	5.5	4.5	5.1	4.5	4.21	3.83	4.17	4.6	4.7	5.1	5.2	5.2
50	40	30	17	16	12	7.5 EP		7.5 EP	11	17	23	40	50

61.4	61.1	60.1	60.7	61.5	61.7	61.76	462.22	61.89	61.8	61.5	61.1	60.7
4.7	5.0	6.0	5.4	4.6	4.4	4.29	3.83	4.16	4.3	4.6	5.0	5.4
50	40	27	20	14	11	7.5 EP		7.5 EP	11	17	25	50

460.92	541.67	461.35	459.80
6.13	4.38	4.70	6.25
Flow	H.Wall	H.Wall	Flow

61.9	61.8	61.6	61.9	62.09	462.37	62.12	61.8	61.3	61.1	60.7	61.1
4.2	4.3	4.5	4.2	3.96	3.68	3.93	4.3	4.8	5.0	5.4	5.0
50	35	17	11	7.5 EP		7.5 EP	12	17	23	40	50

62.7	62.2	62.6	62.1	62.2	62.38	462.57	62.33	62.1	61.5	61.3
3.3	3.4	3.5	4.0	3.9	3.67	3.48	3.72	4.0	4.6	4.8
5.0	24	20	15	12	7.5 EP		7.5 EP	11	21	50

Nail in Pole 50' Lt 56+40

Reduced 4-1-27 CAW.
(K)

57		467.87		
+50				
58				
+39.62		℄ Olive St		
+80				
59+50				
60				
	5.91	468.90	4.88	462.99
+50				

Lt.										Rt.							
463.2 4.7/50	463.1 4.8/40	462.8 5.1/23	463.4 4.5/18	462.7 5.2/15	462.3 5.6/15	462.4 5.5/10	462.5 5.44/7.5 EP	467.87 / 462.73 5.14	462.5 5.44/7.5 EP	462.3 5.6/10	462.0 5.9/15	462.3 5.7/17	461.7 6.2/45	462.4 5.5/50			
463.1 4.8/50	463.0 4.9/21	463.4 4.5/19	462.9 5.0/15	462.1 5.8/15	462.4 5.5/10	462.5 5.34/7.5 EP	462.74 5.13	462.5 5.38/7.5 EP	462.4 5.5/10	462.0 5.9/15	463.2 4.7/15	463.9 4.0/17	463.4 4.5/19	463.1 4.8/32	462.5 5.4/50		
463.4 4.5/50	463.9 4.0/34	463.4 4.5/27	463.4 4.5/17	463.2 4.7/15	462.4 5.5/15	462.7 5.2/10	462.8 5.10/7.5 EP	463.11 4.76	462.8 5.09/7.5 EP	462.7 5.2/10	462.4 5.5/13	463.4 4.5/16	462.9 5.0/20	463.0 4.9/33	463.0 4.9/50		
461.1 6.8/200	462.7 5.2/100	463.1 4.8/50	463.0 4.9/10	462.9 4.96/7.5 E.P.	463.18 4.69	463.0 4.9/7.5 EP	463.0 4.9/10	462.8 5.1/50	461.5 6.4/150	461.1 6.8/200							
463.5 4.44/58	463.1 4.8/50	463.3 4.6/20	463.1 4.8/10	463.1 4.79/7.5 EP	463.40 4.47	463.2 4.74/7.5 EP	463.0 4.9/10	462.7 5.2/15	463.5 4.4/16	463.2 4.7/35	463.3 4.6/50						
Conc Base for Gas Pump.																	
463.1 4.8/50	462.9 5.0/30	463.1 4.8/10	463.3 4.55/7.5 EP	463.51 4.36	463.3 4.58/7.5 EP	463.1 4.8/10	463.1 4.8/15	463.6 4.3/16	463.9 4.0/18	463.5 4.4/50							
463.2 4.7/1 (In doorway of store)	462.5 5.4/50	462.6 5.3/29	463.0 4.9/13	463.1 4.8/11	463.4 4.46/7.5 EP	463.70 4.17	463.5 4.35/7.5 EP	463.2 4.7/11	463.1 4.8/17	463.9 4.0/18	463.6 4.3/32	463.5 4.4/50					
463.4 5.5	462.2 6.7/50	462.8 6.1/40	463.3 5.6/24	463.4 5.5/11	463.6 5.36/7.5 EP	468.90 / 463.73 5.17	463.5 5.47/7.5 EP	463.3 5.6/11	463.0 5.9/16	462.1 6.8/19	461.9 7.0/50						

Red. 4-4-27 EBH.

(K)

Lt. Rt.

60+58.5 468.90 Culvert Data-
Drainage - not quantities

Reverse this section.

Sta.															
60+58.5	462.4 6.5/65	(Rt) 462.3 6.6/4.2	461.5 7.4/16 Flow	464.3 4.65/15 Hwall	468.90 463.70 5.20	(Lt) 460.7 8.2/15 Flow	462.1 6.8/48	461.4 7.5/150	460.2 8.7/250						
61	462.7 6.2/50	462.7 6.2/36	463.3 5.6/18	463.7 5.2/15	463.1 5.8/15	463.3 5.6/11	463.4 5.48/7.5 EP	468.96 463.68 5.22	463.5 5.46/7.5 EP	463.3 5.6/11	463.0 5.9/15	463.4 5.5/17	462.6 6.3/21	462.5 6.4/38	462.5 6.4/50
+50	463.3 5.6/50	463.3 5.6/36	464.1 4.8/19	464.2 4.7/15	463.4 5.5/15	463.5 5.44/7.5 EP	463.66 5.24	463.5 5.42/7.5 EP	463.4 5.5/10	463.1 5.8/14	463.9 5.0/16	463.2 5.7/21	463.1 5.8/39	462.8 6.1/50	
62	463.9 5.0/50	464.0 4.9/40	464.1 4.8/21	463.8 5.1/16	463.1 5.8/15	463.4 5.5/10	463.5 5.40/7.5 EP	463.73 5.17	463.5 5.45/7.5 EP	463.3 5.6/10	463.1 5.8/15	464.1 4.8/15	465.5 3.4/18	465.0 3.9/21	464.3 4.6/50
+50	464.7 4.2/50	464.7 4.2/25	464.3 4.6/19	463.9 5.0/13	463.1 5.8/13	463.4 5.5/10	463.5 5.40/7.5 EP	463.75 5.15	463.5 5.43/7.5 EP	463.3 5.6/11	463.2 5.7/14	463.8 5.1/15	464.6 4.3/18	464.8 4.1/45	464.5 4.4/50
63	464.4 4.5/50	464.1 4.8/17	464.4 4.5/16	463.9 5.0/12	463.4 5.5/13	463.4 5.5/10	463.5 5.41/7.5 EP	463.76 5.14	463.6 5.30/7.5 EP	463.4 5.5/11	463.2 5.7/15	464.1 4.8/16	464.2 4.7/30	464.1 4.8/36	464.3 4.6/50
+50	464.4 4.5/50	464.6 4.3/36	463.5 5.4/32	464.1 4.8/20	464.0 4.9/14	463.0 5.9/13	463.4 5.5/10	463.6 5.35/7.5 EP	463.75 5.15	463.6 5.33/7.5	463.4 5.5/11	463.5 5.4/15	462.9 6.0/33	463.1 5.8/50	
64	464.0 4.9/50	464.1 4.8/38	463.3 5.6/33	464.0 4.9/30	464.5 4.4/21	464.0 4.9/16	463.3 5.6/15	463.3 5.6/11	463.5 5.43/7.5	463.77 5.13	463.5 5.36/7.5	463.4 5.5/10	463.4 5.5/16	462.6 6.3/43 ± 50	462.6
+05	6.17	On Cem. Wk 50' Rt.													

Drains →

Red. 4-4-27 EBB6

K

		468.90			
B M # "H"			584	463.06	463.12
	4.57	467.69			
64+50					
+70					
+75					
+83					
65+19 6/2		℄ Victoria St.			
+50					
66					
+					

Lt. Rt.

See Pg. 11

467.69

462.4 5.3/50	463.1 4.6/20	463.9 3.8/16	463.1 4.1/15	463.5 4.2/11	463.6 4.09/7.5 EP	463.87 3.85	463.6 4.09/7.5 EP	463.4 4.3/10	463.3 4.4/15	462.9 4.8/34	462.8 4.9/50		
461.5 6.2/50	461.3 6.4/33	461.9 5.8/23	462.9 4.8/18	463.5 4.2/10	463.5 4.16/7.5	463.76 3.93	463.5 4.15/7.5	463.4 4.3/10	463.2 4.5/15	462.8 4.9/20	462.5 5.2/35	462.4 5.3/50	
459.1 8.6/50	459.8 7.9/38	461.9 5.8/37 (Top Pier)	461.0 6.7/19 (Top Pier)	462.7 5.0/16	463.4 4.3/15	463.5 4.20/7.5	463.71 3.98	463.5 4.16/7.5	463.3 4.4/10	462.9 4.8/14	462.4 5.3/37	461.4 6.3/39 (Top Pipe)	461.1 6.6/50 (Top Pipe)
462.7 5.0/50	462.3 5.4/24	463.4 4.3/10	463.5 4.24/7.5 EP	463.74 3.95	463.5 4.17/7.5	463.4 4.3/10	462.6 5.1/19	462.1 5.6/37	462.3 5.4/50				
465.5 2.2/200	463.4 4.3/100	463.4 4.3/50	463.7 4.0/11	463.5 4.15/8.5 EP	463.71 3.98	463.5 4.20/6.5 EP	463.3 4.4/10	462.2 5.5/30	461.5 6.2/50	461.0 6.7/100	460.3 7.4/150		
462.3 5.4/50	461.9 5.8/34	462.2 5.5/21	463.3 4.4/12	463.5 4.19/8.5 EP	463.73 3.96	463.5 4.23/6.5	463.3 4.4/10	462.7 5.0/18	461.8 5.9/21	461.3 6.4/33	461.2 6.5/50		
462.4 5.3/50	462.3 5.4/18	462.9 4.8/15	463.5 4.2/12	463.6 4.12/8.5	463.77 3.92	463.44 4.28/6.5 2	463.2 4.5/11	462.5 5.2/17	461.6 6.1/21	461.2 6.5/33	461.5 6.2/37	462.3 5.4/40	462.0 5.7/50

Red. 4-4-27 EBJC.

(R)

467.69

66+24 Culvert

+50

67

+50

4.26 463.43

7.51 470.94

68

+50

69

+50

467.69

463.76

470.94

Rod. 4-4-27. EBH.

70		470.94			
+50					
71					
+50					
B.M.# 8			2.96	467.98	468.06 State B.M. - See Pg. 11 (Inst. out of adjustment.) (467.85)
T.P.	2.96	471.02	1.53	469.49	On C.H.C. Monument SW Cor El Cajon & Lois
	5.98	475.47			
71+99.12= 71+99.62					
			~~4.75~~	~~470.72~~	~~marked 469.72 Marker Pole N.E. Cor Lois~~
72+50					

Lt. / Rt.

70: 466.9 4.0/50 · 466.4 4.5/21 · 466.0 4.9/19 · 466.7 4.2/11 · 466.9 3.95/8.5 E.P. · 470.94 467.20 3.74 · 466.9 3.95/6.5 E.P. · 466.8 4.1/10 · 466.0 4.9/17 · 466.1 4.8/22 · 466.1 4.9/34 · 467.4 3.5/38 · 467.5 3.6/50

+50: 467.3 3.6/50 · 466.6 4.3/25 · 467.6 3.3/11 · 467.8 3.13/8.5 · 468.03 2.91 · 467.7 3.15/6.5 · 467.6 3.3/10 · 466.6 4.3/19 · 466.5 4.4/35 · 467.2 3.7/38 · 467.4 3.5/50

71: 467.6 3.3/50 · 467.6 3.3/21 · 467.7 3.2/17 · 468.4 2.5/11 · 468.6 2.30/8.5 E.P. · 468.86 2.08 · 468.6 2.28/6.5 · 468.5 2.4/10 · 467.1 3.8/19 · 466.9 4.0/34 · 467.6 3.3/38 · 467.6 3.3/50

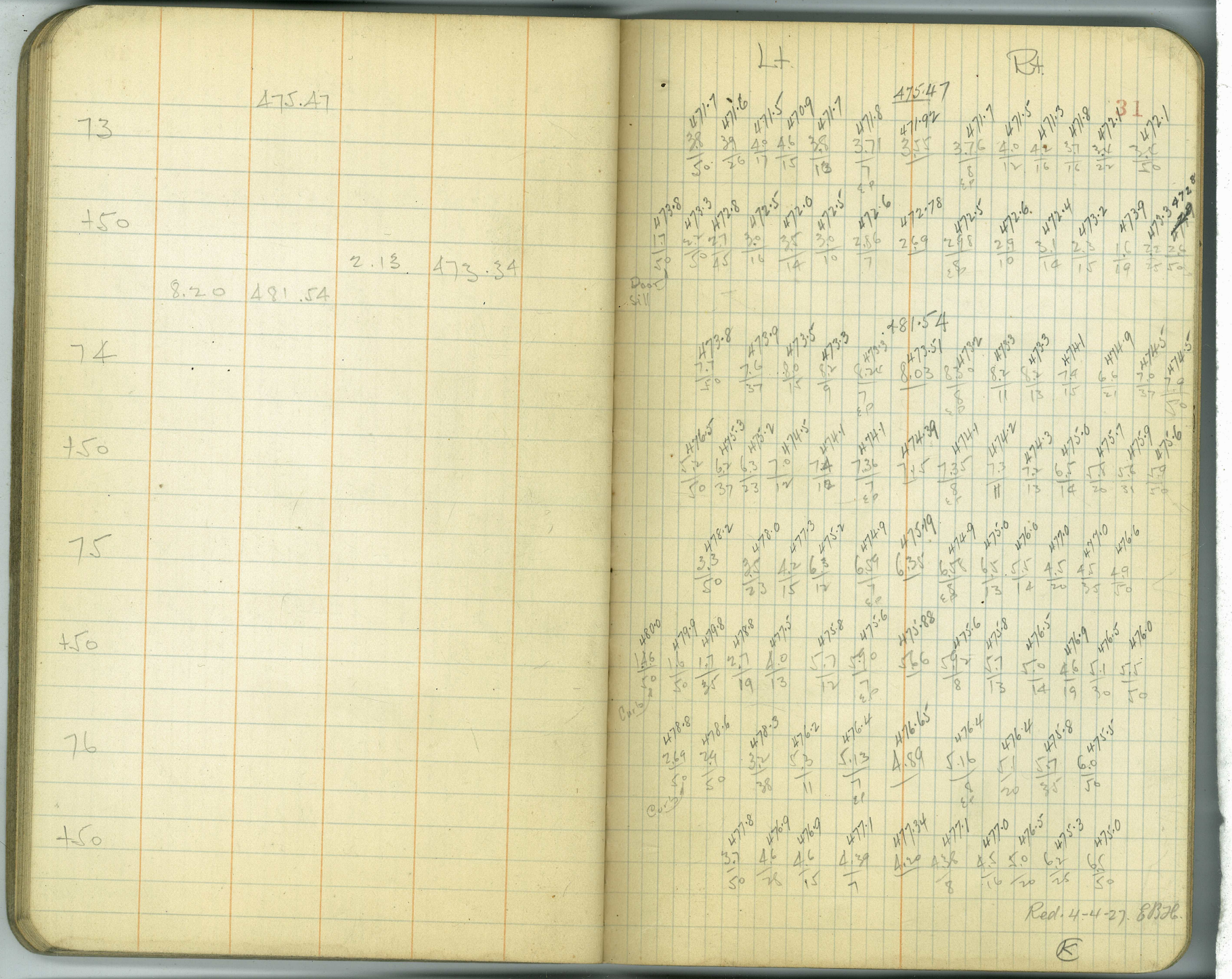
+50: 468.3 2.6/50 · 468.2 2.7/40 · 468.7 2.2/19 · 469.1 1.8/11 · 469.3 1.56/8.5 · 469.61 1.33 · 469.3 1.57/6.5 E.P. · 469.3 1.6/11 · 468.9 2.0/19 · 467.9 3.0/22 · 468.0 2.9/34 · 468.4 2.5/39 · 468.7 2.2/50

71+99: 475.47 · 473.4 2.1/150 · 471.9 3.6/100 · 470.9 4.6/50 · 471.3 4.2/38 · 470.6 4.9/15 · 470.4 5.14/8 E.P. · 470.56 4.91 · 470.4 5.13/7 E.P. · 470.3 5.2/10 · 470.4 5.4/14 · 470.4 5.1/50 · 470.4 5.1/100 · 469.0 6.5/200

72+50: 470.9 4.6/50 · 470.9 4.6/16 · 470.8 4.7/10 · 470.9 4.55/7 · 471.16 4.31 · 470.9 4.52/8 · 470.8 4.7/Fil · 471.2 4.3/50 · 471.5 4.04/50 on curb

Red. 4-4-27. E.B.H.

(R)


Lt.
Rt.
475.47
31
Door Sill
481.54
Red. 4-4-27. 8836.

76+87		481.54			
77					
	8.32	485.71	4.15	477.39	
+50					
+68			6.60	479.1	
78					
+50					
78+20			7.22	478.5	
BM# 9			5.23	480.48	480.42

Cont'd in Bk# 310/1

Lt. Rt.

481.54

478.2 3.3/50 · 477.3 4.2/31 · 475.5 6.0/24 Flow · 477.0 4.5/24 · 477.1 4.4/16 · 477.6 3.93/7 · 477.86 3.68 · 477.6 3.86/8 · 476.8 4.72/16 H.Wall · 475.2 6.3/16 Flow · 474.9 6.6/36 · 475.32 6.2/50 · 473.7 7.8/150

477.9 3.6/50 · 477.1 4.4/31 · 477.2 4.3/15 · 477.8 3.70/7 EP · 478.10 3.44 · 478.1 3.66/8 EP · 477.5 4.0/14 · 475.7 5.8/28 · 475.6 5.9/50

485.71

478.5 7.2/50 · 477.9 7.8/34 · 477.8 7.9/16 · 478.2 7.5/15 · 478.7 6.97/7 · 478.95 6.76 · 478.7 6.98/8 · 478.5 7.2/12 · 476.8 8.9/26 · 476.7 9.0/50 · 477.2 8.49/50 Conc base of Gas pump.

43' Left of ℄ - Conc Walk

485.71

479.9 5.8/50 · 479.0 6.7/15 · 479.5 6.15/7 EP · 479.76 5.95 · 479.6 6.10/8 · 479.4 6.3/12 · 477.7 8.0/32 · 477.9 7.8/50

485.71

480.54 5.17 · 480.3 5.41/8 · 480.2 5.5/12 · 478.8 6.9/26 · 478.7 7.0/50

50' Rt = Conc Walk

See Pg. 11 Evidently moved - M.B.

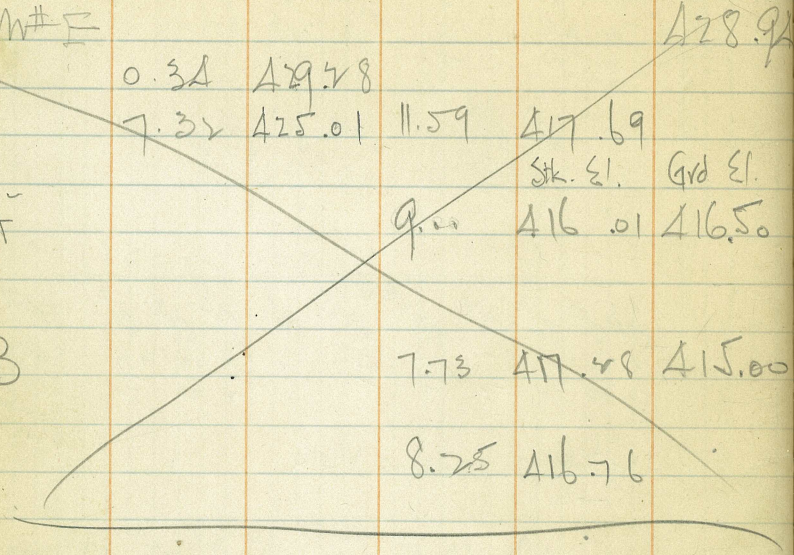
Red 4-4-27. E.B.H.

(K)

4x4 Box Culvert

Sta - 38+97

See Pg. 10 —



B/M # E					428.94
	0.34	429.28			
	7.32	425.01	11.59	417.69	
				Stk. El.	Grd El.
"A"			9....	416.01	416.50
B			7.73	417.28	415.00
			8.25	416.76	

≠ Elev — on Punch —

B/M # E					428.94
	0.31	429.25			
	3.76	425.93	7.08	422.17	
"A"			10.05	415.88	415.00
"B"			8.51	417.42	416.50
			3.16	422.77	
	7.21	429.98			
			1.03	428.95	428.94

See Pg. 10

B/M # E.

469.72

540.06
Brass cap in wall of Bldg 4'±
above side walk near S W Cor
New Drive + Lookout

B M El = 427.87
1×2 hub on f Line 68' Lt 39+64

B M El = 458.84
On R/W mon Lt 35+58.02

B M El = 458.96
On hub 6" under (P.I. Sta 46+98.02)

B M El 463.51
Nail in S Side Pepper 52' Lt 54+76
2'± above ground

40.06
39.76
.30