
930
F.B. 930

Quantities reduced Jan. 5-6 1919
SWG

[illegible] Alignment [illegible]

#1, Δ = 17°23' L
R = 500
St = 76.58
BC = $4+89^{40}$
EC = $6+21^{45}$

#2, Δ = 47°02' R
R = 150
St = 65.27
BC = $10+38^{25}$ = $10+39^{65}$
EC = $11+62^{75}$

#3, Δ = 26°47' L
R = 250
St = 59.52
BC = $16+89^{36}$
EC = $18+06^{22}$

#4, Δ = 57°01' R
R = 150
St = 81.47
BC = $18+66^{07}$
EC = $20+15^{34}$

#5, Δ = 15°20' L
R = 400
St = 53.84
BC = $21+07^{42}$
EC = $22+14^{45}$

#6, Δ = 26°49½' L
R = 150
St = 35.77
BC = $22+87^{02}$
EC = $23+57^{25}$

#7, Δ = 70°36' L
R = 850
St = 601.73
BC = $28+15^{25}$
EC = $38+62^{60}$

#8, Δ = 32°35' R
R = 275
St = 80.37
BC = $78+50^{33}$
EC = $80+06^{72}$

#9, Δ = 50°03½' L
R = 600
St = 280.14
BC = $82+15^{71}$
EC = $87+39^{92}$

#10, Δ = 11°20' R
R = 600
St = 59.54
BC = $88+13^{40}$
EC = $89+32^{08}$

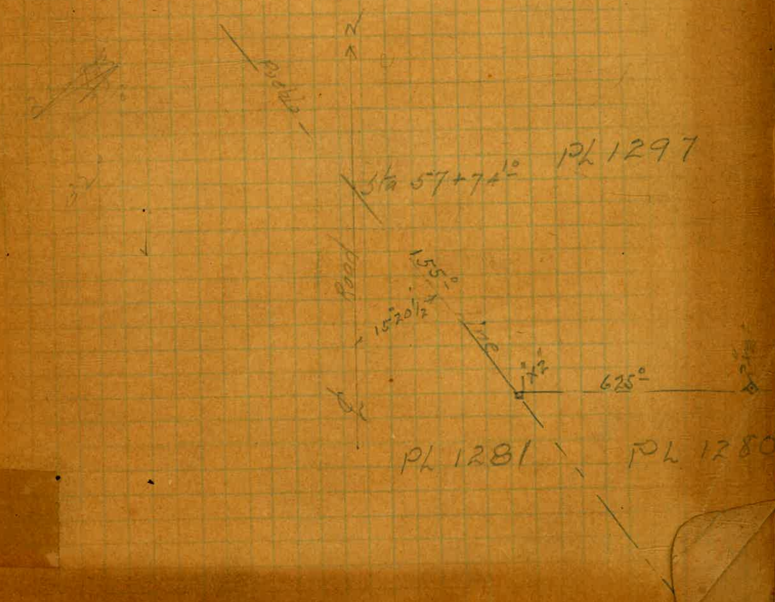
#11, Δ = 71°38' R
R = 80
St = 57.73
BC = 92+30
EC = 93+30

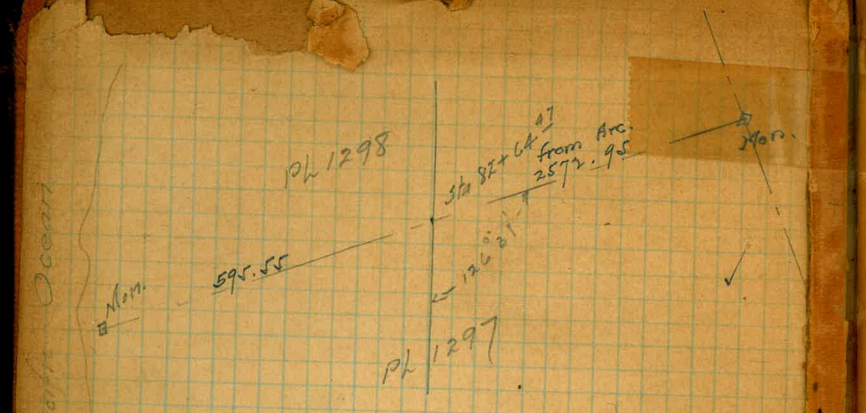
#12, Δ = 18°00' R
R = 600
St = 95.03
BC = $93+82^{85}$
EC = $95+71^{35}$

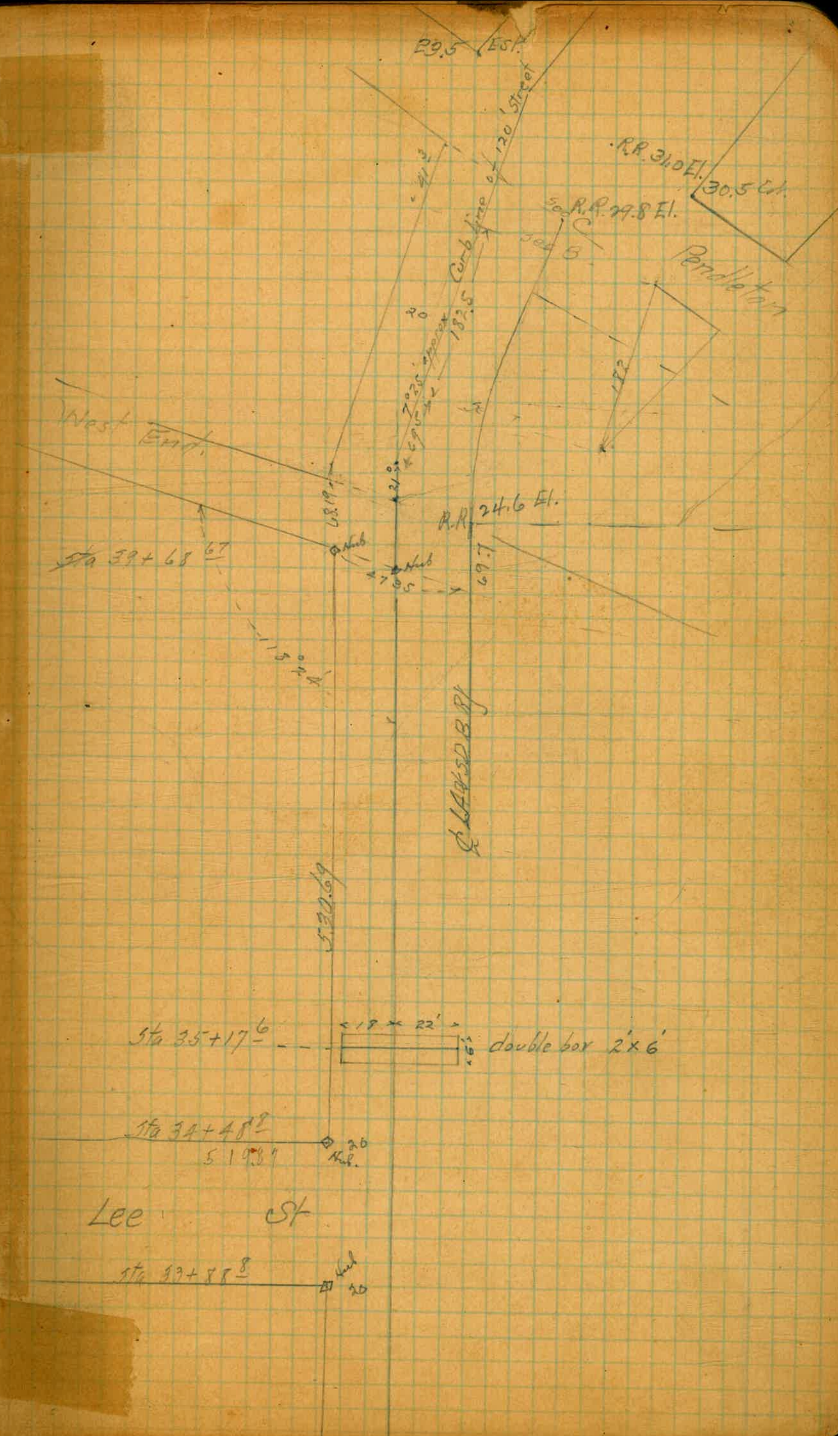
#13, Δ = 172°51' L
R = 60
L = 181.0
BC = $95+88^{8}$
EC = $97+69^{8}$
ST = 960.36

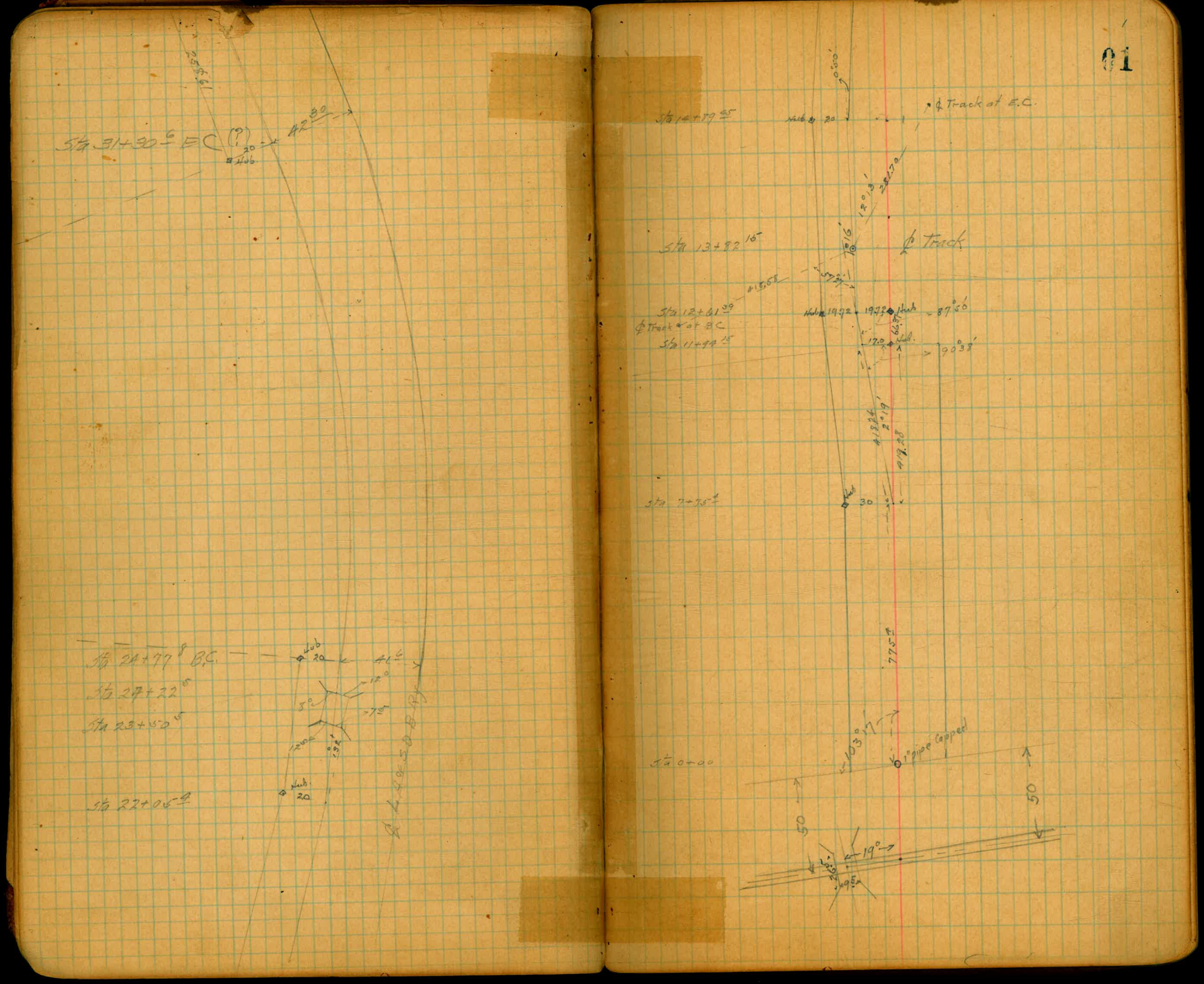
#14, Δ = 98°42' R
R = 110
St = 128.11
BC = $98+31^{85}$
EC = $100+21^{34}$

#15, Δ = 48°22' R
R = 150
St = 67.36
BC = $103+86^{30}$
EC = $105+12^{92}$




Pk 1298
Sta 82+64.47
from Arc.
2572.95
Mon.
595.55
Mon.
126°21'
Pk 1297


29.5
E.S.P.
R.R. 34.0 El.
30.5 El.
R.R. 29.8 El.
Pendleton
West Emt.
R.R. 24.6 El.
Hub
Sta 39+68.67
Sta 35+17.6
double box 2'x6'
Sta 34+48.9
Lee St
Sta 33+88.8


Sta 31+30 ± EC (?)
Hub 20
Sta 24+77 B.C.
Hub 20
Sta 27+22
Sta 23+50
Sta 22+05
Hub 20
Sta 14+77 ±
Hub 20
℄ Track at E.C.
Sta 13+82
℄ Track
Sta 12+61.39
℄ Track at B.C.
Sta 11+99
Hub 1972
Hub
Hub
Sta 7+75
Hub 30
Sta 0+00
Hub
1" pipe Capped
50
50

Feb 13 Hatch Moore Hall

Base Line Road from S. Fe line to Pacific Beach

BM Spike Pole Nahrola-Grand	6.02	71.44		15.417	
U.S.G.S. BM 25	12.70	31.93	2.21	19.23	
	12.75	43.49	1.19	30.74	
	10.93	53.20	1.22	42.27	
	11.81	64.11	0.90	52.30	
Top Rail S.E. on Pueblo line			1.00	62.11	-0.5% grade South
	6.26	52.56		52.30	

W. Line Ref. W.

Top of Pipe on Pueblo line			6.55	46.01
30' S			5.1	47.5
10' "			6.1	46.5
Cr			6.2	46.4
10' N			6.1	46.5
30' "			5.9	46.7
		50' W		
30' N			6.8	45.8
10' "			6.7	45.9
Cr			6.5	46.1
10' S			7.0	45.6
30' "			7.1	45.5
		100' W		
30' S			8.8	43.8
10' "			8.4	44.2
Cr			7.4	45.2
10' N			8.1	44.5
30' "			7.0	45.6

52.56

150 W

30' N	9.4		43.2
10' "	9.1		43.5
Cr	9.1		43.5
10' S	9.5		43.1
30' "	10.2		42.4
	200 W		
30' S	11.3		41.3
10' S	10.7		41.9
Cr	9.7		42.9
10' N	10.4		42.2
30' "	10.3		42.3
	250		
30' N	11.2		41.4
10' N	11.1		41.5
Cr	11.2		41.4
10' S	11.8		40.8
30' S	12.4		40.2
1.08	43.35	10.29	42.27
	300'		
30' S	4.2		39.2
10' S	3.5		39.9
Cr	3.0		40.4
10' N	2.9		40.5
30' N	3.2		40.2

4335

350 W

30 N	4.6	39.8
10 "	3.8	39.6
Cr	3.7	39.7
10 S	4.4	39.0
30 S	4.9	38.5

400

30 S	5.6	37.8
10 "	5.1	38.3
Cr	4.6	38.8
10 N	4.8	38.6
30 "	4.9	38.5

450

30 N	5.9	37.5
10 "	6.0	37.4
Cr	5.8	37.6
10 S	5.8	37.6
30 "	6.6	36.8

500

30 S	7.9	35.5
10 "	7.2	36.2
Cr	6.7	36.7
10 N	7.2	36.2
30 "	6.8	36.6

4335

550

30 N	8.8	34.6
10 "	8.7	34.7
Cr	8.5	34.9
10 S	8.6	34.8
30 "	9.2	34.2

600

30 S	10.3	33.1
10 "	9.7	33.7
Cr	9.6	33.8
10 N	9.8	33.6
30 "	11.5	31.9

650

30 N	12.2	31.2
10 "	11.3	32.1
Cr	11.1	32.3
10 S	10.9	32.5
30 "	11.2	32.2

700

30 S	11.8	31.6
10 "	12.2	31.2
Cr	12.1	31.3
10 N	12.5	30.9
30 "	12.6	30.8

264 33.37 12.62 30.73

3337

750 in

30 N	3.1	30.8
10 "	3.0	30.4
Cr	2.7	30.7
10 S	2.8	30.6
20 "	2.9	30.5

775 ± angle -

30 S	3.3	30.1
10 "	3.3	30.1
Cr	3.3	30.1
10 N	3.5	29.9
20 "	3.4	30.0

800

NL	3.6	29.8
10	3.6	29.8
Cr	3.6	29.8
10	3.8	29.6
SL	3.7	29.7

850

S	4.5	28.9
10	4.5	28.9
Cr	4.4	29.0
10	4.6	28.8
N	5.2	28.2

3337

900

N	5.9	27.5
10	5.7	27.7
Cr	5.6	27.8
10	6.0	27.4
S	5.8	27.6

950

S	6.9	26.5
10	7.0	26.4
Cr	6.8	26.6
10	6.8	26.6
N	7.2	26.2

1000

N	8.1	25.3
10	7.9	25.5
Cr	8.4	25.0
10	8.1	25.3
S	8.7	25.2

1050

S	9.3	24.1
10	9.7	23.7
Cr	9.6	23.8
10	9.1	24.3
N	9.4	24.0

		33.37		
		1100		
N			11.1	22.3
10			10.8	22.6
Cr			11.1	22.3
10			11.0	22.4
S			10.8	22.6
		1150		
S			12.5	20.9
10			12.7	20.7
Cr			12.5	20.9
10			12.8	20.6
N			12.8	20.6
	1.74	22.45	12.66	20.71
		1194 15		
N			3.5	19.0
10			3.4	19.1
C			3.7	18.8
10			3.7	18.8
S			3.7	18.8
		1225		
S			41	18.4
10			39	18.6
Cr			38	18.7
10			38	18.7
N			3.9	18.6

		2245		
		1250		
N			4.3	18.2
10			4.5	18.0
Cr			4.5	18.0
10			4.7	17.8
S			5.4	17.1
		1261 - angle -		
S			5.8	16.7
10			5.5	17.0
Cr			5.0	17.5
10			4.9	17.6
N			4.9	17.6
		1300		
N			5.9	16.6
10			6.2	16.3
Cr			6.7	15.8
10			6.8	15.7
S			7.3	15.2
		1350		
S	N. Rail		7.56	14.89
10			7.6	14.9
Cr			7.5	15.0
10			7.5	15.0
N			7.0	15.5

		2245		
		1400		
N			8.3	14.2
10	N Rail		7.87	14.58
CV			8.3	14.2
10			8.5	14.0
S			8.4	14.1
		1450		
S			10.0	12.5
10			9.5	13.0
CV			9.4	13.1
10			9.3	13.2
N			9.5	13.0
		1489.45 -angle-		
N			10.4	12.1
10			10.1	12.4
CL			10.1	12.4
10			10.3	12.2
S			10.6	11.9
	3.92	15.64	10.73	11.72
		1500		
S			4.1	11.5
10			3.6	12.0
CV			3.3	12.8
10			3.3	12.8
N			3.5	12.1

	15+64		
	15+50		
N	3.9		11.7
10	3.9		11.7
CV	3.9		11.7
10	4.4		11.2
S	4.8		10.8
	16+00		
S	5.4		10.2
10	4.6		11.0
CL	4.3		11.3
10	4.1		11.5
N	4.2		11.4
	16+50		
N	4.3		11.3
10	4.4		11.2
CV	4.6		11.0
10	5.0		10.6
S	5.1		10.5
	17+00		
S	4.9		10.7
10	5.1		10.5
CL	4.7		10.9
10	4.5		11.1
N	4.5		11.1

	15+64	
	17+50	
N	4.5	11.1
10	4.7	10.9
N	4.9	10.7
10	5.2	10.3
S	4.8	10.8
	18+00	
S	4.9	10.7
10	5.3	10.3
CL	5.1	10.5
10	5.0	10.6
N	4.9	10.7
	18+50	
N	5.1	10.5
10	5.0	10.6
CL	5.2	10.4
10	5.3	10.3
S	5.2	10.4
	19+00	
S	5.3	10.1
10	5.4	10.2
CL	5.1	10.5
10	5.0	10.6
N	5.2	10.4

	15+64	
	19+50	
N	4.9	10.7
10	4.9	10.7
CL	5.2	10.4
10	5.2	10.3
S	5.0	10.6
	20+00	
S	4.9	10.7
10	5.3	10.3
CL	5.2	10.4
10	5.3	10.3
N	5.5	10.1
	20+50	
N	5.6	10.0
10	5.2	10.4
CL	5.2	10.4
10	5.3	10.3
S	4.7	10.9
	21+00	
S	4.8	10.8
10	5.4	10.2
CL	5.2	10.4
10	5.3	10.3
N	5.4	10.2

9/30/18

		15-64			
		21+50			
N		2	6,1	9.5	
10			5,1	10.5	
CL			5,1	10.5	
10			5,1	10,5	
S			5-4	10,2	
		22+05 ±	angle		
TP	45-8	16.29	3.93	11.71	
BM, Spike in Pole S. end of Bridge.	7.82	18.76	5.35	10.94	10.92
N			9.5	9.3	
10			7.6	11.2	
CL			7.6	11.2	
10			7.6	11.2	
S			8.0	10.8	
		22+50			
S			7.9	10.9	
10			6.8	12.0	
CL			6.8	12.0	
10			7.1	11.7	
N			9.4	9.4	
		23+00			
N			10,5	8.3	
10			6.1	12.7	
CL			5.9	12.9	
10			5,9	12.9	

	18.76		
S	7.9		10.9
23+50 S	End of Bridge		
S	8.5		10.3
10	4.8		14.0
CL	4.9		13.9
10	4.9		13.9
N	16.4		2.4
24+22 S	End of Bridge		
N	10.7		8.1
10	4.8		14.0
CL	5.1		13.7
10	5.2		13.6
S	14.6		2.2
24+50			
S	8.1		10.7
10	5.4		13.4
CL	5.1		13.7
10	5.2		13.6
N	7.8		11.0
24+77 ±	BC		
N	8.1		10.7
10	5.5		13.3
CL	5.5		13.3
10	5.9		12.9
S	8.9		9.9

1876

25+00

S	8.9	9.9
10	6.1	12.7
CR	5.8	13.0
10	5.7	18.1
N	7.7	11.1

25+50

N	6.7	12.1
10	5.9	12.9
CR	6.1	12.7
10	6.4	12.4
S	8.2	10.6

26+00

S	7.8	11.0
10	6.7	12.1
CR	6.2	12.6
10	5.9	12.9
N	6.8	12.0

26+50

N	6.2	12.6
10	5.8	13.0
CR	6.2	12.6
10	6.5	12.3
S	7.8	11.0

27+00

S	8.0	10.8
10	6.5	12.8

1876

CR	6.1	12.7
10	5.8	13.0
N	6.8	12.0

27+50

N	6.5	12.3
10	6.0	12.8
CR	6.4	12.4
10	7.0	11.5
S	8.1	10.7
TP	4.24 1.6.67	6.33 12.43

28+00

S	6.2	10.5
10	4.8	11.9
CR	4.4	12.3
10	4.1	12.6
N	4.5	12.2

28+50

N	4.6	12.1
10	4.3	12.4
CR	4.7	12.0
10	5.2	11.5
S	5.7	11.0
	6.8	9.9

29+00

S	6.5	10.2
10	5.9	10.8
7	5.1	11.6

16.7

16.67

CR	5.0	11.7
10	4.5	12.2
N	5.4	11.3
	29+50	
N	4.8	12.9
10	4.6	12.1
CR	5.0	11.7
7	5.3	11.4
10	5.7	11.0
5	7.0	9.7
	30+00	
5	7.0	9.7
10	6.9	10.8
8	5.4	11.3
CR	5.1	11.6
10	4.7	12.0
N	4.7	12.0
	30+50	
N	5.1	11.6
10	5.1	11.6
CR	5.3	11.4
10	5.4	11.3
5	6.4	10.3
	31+00	
5	6.4	10.3
10	5.5	11.2
CR	5.4	11.3

16.7

16.67

10	5.3	11.4
N	4.6	12.1
	31+30 ℄	
N	5.6	11.1
10	5.4	11.3
CR	5.6	11.1
10	5.7	11.0
5	6.8	9.9
TOT	6.08	17.01 ✓ 5.74 10.93 ✓
	31+50	
N	6.1	10.9
10	5.7	11.3
CR	5.9	11.1
10	6.0	11.0
5	7.6	9.4
	32+00	
5	8.3	8.7
10	6.2	10.8
CR	5.9	11.1
10	6.0	11.0
N	6.2	10.7
	32+50	
N	6.3	10.7
10	6.1	10.9
CR	6.0	11.0
10	6.1	10.9
5	8.2	8.8

17.01

33+00

S	7.4	9.6
10	6.0	11.0
CR	5.9	11.1
10	5.9	11.1
N	5.8	11.2

33+50

N	5.8	11.2
10	5.6	11.4
CR	5.7	11.3
10	5.8	11.2
S	7.2	9.8

33+88.8 ST line

S	6.7	10.3
10	5.9	11.1
CR	5.9	11.1
10	5.8	11.2
N	5.7	11.3

34+18.8 CN A

N	5.8	11.7
10	5.7	11.3
CR	5.7	11.3
10	5.9	11.1
S	6.7	10.3

34+48.8

S	6.3	10.7
10	5.6	11.4

17.01

CR	5.6	11.4
10	5.4	11.6
N	5.4	11.6

35+00

N	4.7	12.3
10	4.8	12.2
CR	5.0	12.0
10	4.9	12.1
S	7.4	9.6

culvert

S end	8.1	8.9
N end	7.4	9.6

35+50

N	4.7	12.3
10	4.7	12.9
CR	4.3	12.7
10	4.3	12.7
S	6.5	10.5

36+00

S	5.3	11.7
10	3.1	13.9
CR	3.1	13.9
10	2.8	14.2
N	3.3	13.7

36+50

N	2.3	14.7
10	1.3	15.7

		17.01		
CR			1,4	15.6
10			1,4	15.6
5			4.5	12.5
TP	9.37	25.22	1.16	15.85
		37+00		
5			11.5	13.7
10			7.5	17.7
CR			8.0	17.2
10			8.3	16.9
N			9.6	15.6
		37+50		
N			6.7	18.5
10			6.5	18.7
CR			6.2	19.0
10			6.1	19.1
5			11.1	14.1
		38+00		
5			11.3	13.9
9			4.5	20.7
CR			4.7	20.5
10			4.9	20.3
N			4.9	20.3
		38+50		
N			3.4	21.8
10			3.3	21.9
CR			3.8	21.9
6			3.1	22.1

		25.22		
10			4.3	20.9
5			10.0	15.2
		39+00		
5			10.4	14.8
10			8.4	16.8
CR			2.6	22.6
10			2.6	22.6
N			2.6	22.6
		39+50		
N			4.0	21.2
10			4.2	21.0
CR			4.1	21.1
3			4.1	21.1
10			7.3	17.9
5			9.0	16.2
		39+68.67	at 45° to line	
5			8.3	16.9
10			6.7	18.5
5			5.0	20.2
CR			5.0	20.2
10			4.9	20.3
N			4.7	20.5
	7.06	30.12	3.16	22.06
Point of Blk on South			12.5	17.6

Continued on P14

10/11/13

Bridge levels

Sta 23+50 to Sta 24+22.5

BM	248	13.42		10.94
S	5.04	7.09	11.37	2.05
		Sta 23+50		
N		(7.1)	5.9	1.2
10			3.2	3.9
20			1.8	5.3
30			0.4	6.1
40 = S			+3.1	10.2
		23+60		
S			+2.0	9.1
3			0.6	6.5
10			1.6	5.5
20			3.8	3.3
30			5.8	1.3
35			6.9	0.2
N			5.5	1.6
		23+70		
N			5.6	1.5
10			6.6	0.5
20			4.8	2.3
30			4.4	2.7
S			3.8	3.8
		23+80		
S			5.5	1.6
10			5.4	1.7
20			6.0	1.1
30			6.8	0.3
N			5.6	1.5

(7.1)

7.09

	23+90	
N	6.4	0.7
3	7.1	0.0
10	6.4	0.7
20	5.4	1.7
30	6.2	0.9
S	7.0	0.1
	24+00	
S	6.6	0.5
10	6.2	0.9
20	6.7	0.4
30	7.2	-0.1
N	6.1	1.0
	24+10	
N	5.2	1.9
10	6.2	0.9
20	6.2	0.9
30	6.2	0.9
S	6.3	0.8
	24+22.5	
S	4.7	2.4
10	2.9	4.2
20	2.9	4.2
30	2.3	4.8
N	+0.2	7.3

From P 12

30.12

On West End (on skew)

S	12.1	18.0
10	10.8	19.3
CV	9.7	V0.4
10	9.2	V0.9
N	8.6	V1.5

W. Line Westend

N	7.5	VV.6
10	8.3	V1.8
CV	7.7	VV.4
S	8.3	V1.8
10	7.1	23.0
S	5.2	V4.9

21'W = angle (Sec at L & T line ahead)

S	5.0	V5.1
20	5.9	V4.V
30	6.2	V3.9
40	6.2	V3.9

56'W

40	5.2	V4.9
30	5.4	V4.7
20	56	V4.5
S	4.4	25.1

Sec A

S	4.0	V6.1
20	5.1	V5.0
30	4.9	V5.V

30.12

40	4.5	V5.6
120 - NL.	3.0	V7.1

32'W

NL.	2.8	V7.3
5L.	3.8	V6.3
20	4.5	V5.6
30	4.3	V5.8
40	3.9	V6.V

82 W

5L.	3.2	V6.9
20	4.3	V5.8
30	3.7	V6.4
40	3.2	V6.9
NL.	2.0	28.1

132 W

NL.	1.2	28.9
5L.	2.5	V7.6
20	3.6	V6.5
30	3.0	V7.1
40	2.2	V7.7

Sec B 182 W = EL. Pendleton on N.

5L.	2.0	28.1
20	3.1	V7.0
30	2.6	V7.5
40	1.7	28.4
NL.	0.4	29.7

30,12
Soc C

Nb	04	29.1
5L	1,9	28,7
20	2,7	27,4
30	2,3	27.8
40	1,6	28.5

Vol 3 Hatch Myers Hall

Xsec Blvd from Track at Glendale – North

77,595

BM from E. of Brd 1179 at N. end of Culvert	8504		73.247
E Road on Rail		1.67	83.37
0+00 = W R of W. Line L.A. & S.D.B.Ry			
10 N		1.6	83.4
Cr		1.6	83.4
10 S		1.6	83.4
	0+50		
S		2.4	82.6
Cr		2.3	82.7
N		2.4	82.6
	1+00		
N		3.4	81.6
Cr		3.0	82.0
S		3.2	81.8
	1+50		
S		4.6	80.4
Cr		4.4	80.6
N		4.6	80.4
	2+00		
N		5.8	79.2
Cr		5.6	79.4
S		6.1	78.9
	2+17.8' B.C.		
S		6.6	78.4
Cr		6.1	78.9
N		6.3	78.7

	8504		
	2+50		
N		7.4	77.6
Cr		7.1	77.9
S		7.4	77.6
	3+00		
S		8.5	76.5
Cr		8.7	76.3
N		9.2	75.8
	3+50		
N		10.7	74.3
Cr		10.4	74.6
S		9.9	75.1
	4+00		
W		11.2	73.8
Cr		11.2	73.8
E		11.5	73.5
	4+50		
E		12.1	72.9
Cr		12.1	72.9
W		12.4	72.6
	4+63.00 EC		
W		12.6	72.4
Cr		12.3	72.7
E		12.3	72.7
	5+00		
E		12.5	72.5
Cr		12.7	72.3
W		13.2	71.8

		85.04		
T.P.	1.47	74.72	11.79	73.25
		5+50		
E			2.6	72.1
Cr			2.8	71.9
W			3.3	71.4
		6+00		
W			3.5	71.2
Cr			3.0	71.7
E			2.9	71.8
		6+50		
E			3.2	71.5
Cr			3.3	71.4
W			3.7	71.0
		7+00		
W			4.3	70.4
Cr			3.8	70.9
E			3.7	71.0
		7+50		
E			4.1	70.6
Cr			4.2	70.5
W			4.9	69.8
		8+00		
W			5.5	69.2
Cr			4.8	69.9
E			4.6	70.1

St. 74+47 6" Kalamein pipe, practically on surface.

		74.72		
		8+50		
E			5.1	69.6
Cr			5.1	69.6
W			5.9	68.8
		9+00		
W			6.2	68.5
Cr			5.4	69.3
E			5.4	69.3
		9+50		
E			5.5	69.2
Cr			5.6	69.1
W			6.2	68.5
		10+00		
W			6.2	68.5
Cr			5.6	69.1
E			5.4	69.3
		10+50		
E			5.5	69.2
Cr			5.7	69.0
W			6.2	68.5
T.P.	5.14	74.20	5.66	69.06
		11+00		
W			5.3	68.9
Cr			4.8	69.4
E			4.7	69.5

	74.20		
	11+50		
E		4.6	69.6
Cr		4.6	69.6
W		5.2	69.0
	12+00		
W		5.2	69.0
Cr		4.8	69.4
E		4.6	69.6
	12+50		
E		4.4	69.8
Cr		4.5	69.7
W		5.1	69.1
	13+00		
W		5.1	69.1
Cr		4.6	69.6
E		4.5	69.7
	13+50		
E		4.6	69.6
Cr		4.6	69.6
W		5.3	68.9
	14+00		
W		5.4	68.8
Cr		4.8	69.4
E		4.8	69.4
	14+50		
E		5.1	69.1
Cr		5.0	69.2

	74.20		
W		5.6	68.6
	15+00		
W		5.5	68.7
Cr		5.1	69.1
E		5.2	69.0
	15+50		
E		4.8	69.4
Cr		4.7	69.5
W		5.3	68.9
	16+00		
W		4.7	69.5
Cr		4.2	70.0
E		4.2	70.0
	16+50		
E		3.4	70.8
Cr		3.4	70.8
W		4.0	70.2
	17+00		
W		3.1	71.1
Cr		2.7	71.5
E		2.8	71.4
	17+50		
E		2.3	71.9
Cr		2.2	72.0
W		2.7	71.5
TP	9.81	81.04	2.24	71.96

		81.04			
		187+00			
W			8.8	72.2	
CR			8.3	72.7	
E		→	8.3	72.7	
		181+45	5. Line Bird Rock City		
E			7.5	73.5	
CR			7.4	73.6	
W			7.6	73.4	
	Colima - Rit Blvd.				
1897	4.40	81.99	3.45	77.59	77.57
	8.85	80.09	10.75	71.24	
	9.35	85.47	3.97	76.12	
	2.00	79.24	8.23	77.24	
			6.29	72.95	

10/22/13 Hatch Moore Hall — Levels on La Jolla Blvd. from Bird Rock to La Jolla Strand

		(78.1)		
S BM Spike in Pole at → Sta 2+50	5.14	78.09 ~~83.40~~		72.95 ~~77.26~~
		0+00 = N.L. Bird Rock —		
10' E			1.1	77.0
Cr			1.2	76.9
30' W			1.4	76.7
		0+50		
W			2.5	75.6
Cr			2.1	76.0
E			2.0	76.1
		1+00		
E			3.2	74.9
Cr			3.3	74.8
W			3.6	74.5
		1+50		
W			4.6	73.5
Cr			4.4	73.7
E			4.4	73.7
		2+00		
E			5.1	73.0
Cr			5.3	72.8
W			5.7	72.4
		2+50		
W			6.3	71.8
Cr			6.1	72.0
E			6.0	72.1

	(78.1)		
	78.09		
	~~83.40~~		
	3+00		
E		6.5	71.6
Cr		6.5	71.6
W		6.6	71.5
	3+16.8	12"×18" Box	
W end Box (top)		9.8	68.3
W		6.8	71.3
Cr		6.5	71.6
W		6.5	71.6
E end Box (top)		7.6	70.5
	3+50		
E		6.4	71.7
Cr		6.6	71.5
W		7.0	71.1
	4+00		
W		7.1	71.0
Cr		6.8	71.3
E		6.5	71.6
	4+50		
E		6.3	71.8
Cr		6.5	71.6
W		6.8	71.3
	5+00		
W		6.4	71.7
Cr		6.2	71.9
E		5.9	72.2

		~~78.1~~ 78.09 ~~83.40~~		
		5+50		
E			5.5	71.6
cr			5.8	72.3
W			6.2	71.9
T.P	8.56	80.85 ~~86.16~~	5.80	72.29 ~~77.60~~
		6+00		
W			8.4	72.4
cr			8.2	72.6
E			7.9	73.0
		6+50		
E			7.8	73.0
cr			7.9	73.0
W			8.1	72.7
		7+00		
W			7.7	73.1
cr			7.6	73.2
E			7.4	73.4
		7+50		
E			6.8	74.0
cr			7.1	73.7
W			7.3	73.5
		8+00		
W			6.9	74.0
cr			6.8	74.0
E			6.1	74.7

	80.85 ~~86.16~~		
	8+50		
E		5.6	75.2
cr		6.2	74.6
W		6.5	74.3
	9+00		
W		5.9	75.0
cr		5.7	75.1
E		5.2	75.6
	9+50		
E		5.1	75.7
cr		5.5	75.3
W		5.7	75.1
	10+00		
W		5.7	75.1
cr		5.4	75.4
E		4.9	76.0
	10+50		
E		4.8	76.0
cr		5.2	75.6
W		5.5	75.3
	11+00		
W		5.1	75.7
cr		4.6	76.2
E		4.3	76.5

		80.85		
		~~86.16~~		
		11+50		
E			4.3	76.5
cr			4.5	76.3
W			5.0	75.8
		12+00		
W			5.0	75.8
cr			4.5	76.3
E			4.4	76.4
		12+50		
E			4.4	76.4
cr			4.4	76.4
W			4.9	76.0
		13+00		
W			4.8	76.0
cr			4.2	76.6
E			4.2	76.6
		84.20		76.65
TP	7.55	~~89.51~~	4.20	~~81.96~~
		13+50		
E			7.5	76.7
cr			7.4	76.8
W			8.1	76.1
		14+00		
W			7.7	76.5
cr			7.1	77.1
E			7.3	76.9

	84.20		
	~~89.51~~		
	14+50		
E		7.0	77.2
cr		6.7	77.5
W		7.4	76.8
	15+00		
W		7.1	77.1
cr		6.5	77.7
E		6.7	77.5
	15+50		
E		6.5	77.7
cr		6.2	78.0
W		6.8	77.4
	16+00		
W		6.8	77.9
cr		5.8	78.4
E		6.0	78.2
	16+50		
E		5.9	78.3
cr		5.6	78.6
W		6.0	78.2
	17+00		
W		5.7	78.5
cr		5.4	78.8
E		5.7	78.5

	84.95		
	~~99.76~~		
	23+50		
E		6.1	78.8
Cr		6.2	78.7
W		6.6	78.3
	24+00		
W		6.1	78.8
Cr		5.7	79.2
E		5.5	79.4
	24+50		
E		5.2	79.7
Cr		5.5	79.4
W		5.9	79.0
	25+00		
W		5.6	79.3
Cr		5.1	79.8
E		5.0	79.9
	25+50		
E		4.8	80.1
Cr		5.0	79.9
W		5.3	79.6
	26+00		
W		5.1	79.8
Cr		4.9	80.0
E		4.6	80.3

10/28/3

16 Glendale to Bird Rock

20 Bird Rock to La Jolla

R 32°23'

#1½ Δ = 9°12' L
R = 500

S.T. 40.23
L.C. (82.28) 80.29
B.C. 9+19.69
E.C. 10+00.15 = 10+01.97

#2½ Δ = 6°37' L
R = 500

S.T. 28.90
L = 57.74
B.C. 14+38.62 ✓
E.C. 1446.36 = 1489

14+60.38 P.I.
14+31.48 PC
14+89.22 }
14+89.28 } PT

	84.95		
	~~4926~~		
	23+50		
E		6.1	78.8
CL		6.2	78.7
W		6.6	78.3
	24+00		
W		6.1	78.8
CL		5.7	79.2
E		5.5	79.4
	24+50		
E		5.2	79.7
CL		5.5	79.4
W		5.9	79.0
	25+00		
W		5.6	79.3
CL		5.1	79.8
E		5.0	79.9
	25+50		
E		4.8	80.1
CL		5.0	79.9
W		5.3	79.6
	26+00		
W		5.1	79.8
CL		4.9	80.0
E		4.6	80.3

		84.95		
		~~4926~~		
		26+50		
E			4.7	80.2
CL			4.9	80.0
W			5.2	79.7
		86.35		80.60
TP	5.75	~~91.66~~	~~4.35~~	~~85.91~~
BM	Nail W. of Road at S. end of Culvert.		3.13	83.22 ~~83.53~~
		88.77		83.22
BM	5.55	~~94.08~~		~~88.53~~
		26+84 45°	@ C. R.	
E			8.4	T=740.91 L=1459.33 R=3424.41 Δ=24°-25' 80.4
CL			8.5	80.3
W			8.8	80.0
		27+00		
W			8.8	80.0
CL			8.5	80.3
E			8.2	80.6
		27+50		
E			8.1	80.7
CL			8.3	80.5
W			8.7	80.1
		28+00		
W			8.3	80.5
CL			8.1	80.7
E			8.0	80.8
		28+50		
E			7.8	81.0
CL			7.8	81.0
W			8.0	80.8

88.8

88.77 ✓

~~9408~~

29+00

W	7,8	81.0
CL	7,7	81.1
E	7,8	81.0

29+50

E	7,6	81.2
CL	7,6	81.2
W	7,6	81.2

30+00

W	7,2	81.6
CL	7,0	81.8
E	6,9	81.9

30+50

E	6,3	82.5
CL	6,5	82.3
W	6,5	82.3

31+00

W	5,9	82.9
CL	6,6	83.2
E	5,5	83.3

31+50

E	4,8	84.0
CL	5,0	83.8
W	5,3	83.5

88.8

88.77 ✓

~~9408~~

32+00

W	4,8	84.0
CL	4,5	84.3
E	4,2	84.6

32+50

E	3,9	84.9
CL	4,2	84.6
W	4,5	84.3

33+00

W	4,6	84.2
CL	4,3	84.5
E	4,1	84.7

33+50

E	4,8	84.0
CL	4,8	84.0
W	5,0	83.8

34+00

W	5,9	82.9
CL	5,6	83.2
E	5,5	83.3

34+50

E	6,5	82.3
CL	6,8	82.0
W	7,0	81.8

		88.8		
		88.77		
		~~94.08~~		
		35+00		
W			8.2	80.6
Cr			8.0	80.8
E			7.8	81.0
		35+50		
E			8.9	79.9
Cr			8.9	79.9
W			9.4	79.4
		36+00		
W			10.2	78.6
Cr			9.7	79.1
E			9.9	78.9
		36+50		
E			10.3	78.5
Cr			10.4	78.4
W			10.7	78.1
		37+00		
W			11.3	77.5
Cr			10.9	77.9
E			10.9	77.9
		37+50		
E			11.2	77.6
Cr			11.3	77.5
W			11.8	77.0
T.P	7.40	87.72 ~~90.03~~	11.45	77.32 ~~82.63~~

		84.72		
		~~90.03~~		
		38+00		
W			7.9	76.8
Cr			7.4	77.3
E			7.2	77.5
		38+50		
E			7.3	77.4
Cr			7.4	77.3
W			7.8	76.9
		39+00		
W			7.8	76.9
Cr			7.4	77.3
E			7.3	77.4
		39+21		
W ob.			9.2	75.5
Cr		39+26	7.2	77.5
E ob.		39+31	6.86	78.37
		39+50		
W ob			8.94	75.78
Cr			7.0	77.7
E ob.			6.14	78.58
		40+00		
E ob			5.60	79.22
Cr			6.5	78.2
W ob			8.40	76.32

		84.72		
		~~90.03~~		
		40+80		
wcb			7.80	76.92
cr			5.6	79.1
Ecb.			4.90	79.82
		40+95		
Ecb			4.30	80.42
cr			5.0	79.7
wcb.			7.25	77.47
		41+37	Blk line (S side Rosemont Ave on west	
wcb			6.70	78.02
cr			4.8	79.9
Ecb			4.26	80.46
		41+44'	E.C ½ S side Rosemont Ave on East	
Ecb.			4.24	80.48
		cr Rosemont Ave		
East line			4.1	80.6
cr			4.8	79.9
West line			7.4	77.3
		N line Rosemont		
West cb			6.84	77.88
cr			4.9	79.8
East cb			4.30	80.42
		50' N		
East cb			4.9	79.78
cr			5.2	79.5
W cb.			7.45	77.27

Section 11 ± Rosemont intersection

		84.72		
		~~90.03~~		
		100' N		
wcb			8.10	76.62
cr			5.9	78.8
Ecb.			5.60	79.12
		150' N		
Ecb.			6.30	78.42
cr			6.8	77.9
wcb.			8.80	75.92
		200' N		
wcb			9.46	75.26
cr			7.7	77.0
Ecb.			6.93	77.79
		219.2 N	= S L Kolmar Ave	
Ecb.			7.20	77.52
cr			7.9	76.8
Wcb			9.65	75.07
		CR		
W line			10.8	73.9
cr			8.2	76.5
E cb.	1.45	78.59 ~~53.~~	7.58	77.14 ~~72.45~~
		N L Kolmar Ave		
Ecb			2.00	76.6
cr			2.4	76.2
wcb.			4.06	74.53

78.59
~~83.90~~

50 N

W cb		4.92	73.67
cr		3.3	75.3
E cb.		3.10	75.49
100 N			
E cb		4.20	74.39
cr		4.3	74.3
W cb.		5.76	72.83
117 N			
W cb		6.20	72.39
cr		4.8	73.8
E cb.		4.57	74.02
150 N			
E cb		5.30	73.29
cr		5.4	73.2
W cb.		7.20	71.39
200 N			
W cb		5.84	69.75
cr		6.8	71.8
E cb.		6.40	72.19
219.4 S.L Gravilla Ave (on W)			
E cb		6.80	71.79
cr		7.3	71.3
W cb.		9.43	69.16
239.4 S.L Gravilla Ave (on E)			
E cb.		7.00	71.6

78.59
~~83.90~~

Cr Gravilla Ave

E line		6.9	71.7
cr		8.5	70.1
W line		9.7	68.9
N.L Gravilla Ave			
W cb		9.55	69.04
cr		9.8	68.8
E cb. 065	72.16 ~~77.47~~	7.08	71.51 ~~76.87~~

Sec from NE Cor to 135 N of NW Cor

East cb		0.7	71.5
cr		3.5	68.7
W cb		3.58	68.58
50 N			
W cb line (ground)		6.2	66.0
cr		4.9	67.3
E line		3.3	68.9
100 N			
W line		8.5	63.7
cr		6.3	65.9
E line		5.4	66.8
136.8 angle (Normal to Line South			
E line		7.0	65.2
cr		7.1	64.5
W line		9.2	63.0
20 N on W side line			
W line		9.3	62.9

		72.16		
		~~77.47~~		
		136 angle (Normal)		
E line			7.0	65.2
Cr			8.4	63.8
		68.17		62.97
T.P.	5.20	~~73.48~~	9.19	~~68.28~~
W line			13.3	54.9
		50' N of angle		
W line			18.4	49.8
15' west of Cr = top of slope			5.4	62.8
cr			4.9	63.3
E line			2.8	65.4
		70' N		
E line			4.2	64.0
cr			5.0	63.2
10' W of Cr = top of slope			5.6	62.6
W line			23.0	45.2
		95' N		
W line			17.1	51.1
10' W of cr = top of slope			5.6	62.6
cr			5.0	63.2
E line			9.9	58.3
		115' N		
E line			17.4	50.8
		150' N		
W line			4.7	63.5
15' W of cr = top of slope			4.9	63.3
cr			4.3	63.9
E line			15.9	52.3

		68.2			
		68.17			
		~~73.48~~			
		200' N			
E line			5.9	62.3	
10'				64.8	70.1
cr			3.3	64.9	70.2
10'				64.7	70.0
W line			3.6	64.6	
		230' N			
W line			3.3	64.9	
10'				65.7	71.0
cr			2.5	65.7	71.0
10'				65.6	70.9
E line			3.3	64.9	
		260' N			
E line			10.0	58.2	
10'				66.5	71.8
cr			1.6	66.6	
10'				66.4	71.7
W line		74.9	2.5	65.7	
		74.86			66.97
T.P.	7.89	~~80.17~~	12.0		~~72.28~~
		300' N			
W line			8.6	66.3	
10'			7.2	67.7	
cr			7.2	67.7	
10'			7.7	67.2	
E line			15.3	59.6	
		350' N			
E line			9.7	65.2	
10' E of cr			6.4	68.5	
cr			6.0	68.9	
10' W			5.6	69.3	
W line			6.5	68.4	

(749)

74.86
~~74.17~~

400' N

W line	5.3	69.6	
10	4.0	70.9	
cr	4.3	70.6	
10	4.4	70.5	
E line	8.1	66.8	
425' N			
E line	11.7	63.2	
10	3.2	71.7	
cr	3.5	71.4	
10	3.2	71.7	
W line	4.7	70.2	
449' N = SW Cor Bonair Ave			
W line	3.29	71.57 ~~76.88~~	Hub.
10	2.3	72.6	
cr	2.5	72.4	
5	2.2	72.7	
10	4.0	70.9	
E line	7.6	67.3	
See normal to line South. 460' N	SE Cor	Bonair Ave	
E line	6.7	68.2	
10	2.8	72.1	
cr	2.3	72.6	
10	1.9	73.0	
W line	2.6	72.3	

10/27/13

SW Hub 8.56 Bonair Ave	80.13	71.57
BM-Mon —	3.35	76.78 (76.655)
Cr Bonair		
W	5.8	74.3
10	5.6	74.5
cr	6.0	74.1
10	6.6	73.5
25' N of SE Cor.		
E	13.2	66.9
50' N of SE Cor		
E	9.2	70.9
N L Bonair Ave (Produced)		
E	3.7	76.4
10	4.6	75.5
cr	4.2	75.9
10	4.2	75.9
W	4.6	75.5
27.8' N = Point of Blk on NE		
W	4.8	75.3
10	3.9	76.2
cr	3.9	76.2
10	3.9	76.2
E	3.4	76.7
50' N		
E	2.8	77.3
10	3.8	76.3
cr	3.6	76.5
10	3.8	76.3

		80,13		
W			4.6	75.5
		100 N		
W			3.4	76.7
10			3,0	77.1
Cr			2.6	77.5
10			2,5	77.6
E			1.7	78.4
T.P	7.16	84.83	2.46	77.67
		150 N		
E			5.6	79.2
10			6.2	78.6
Cr			6,4	78.4
10			7,0	77.8
W			7.7	77.1
		200 N		
W			7.2	77.6
10			6,4	78.4
Cr			5.9	78.9
10			6,0	78.8
E			5.1	79.7
		250 N		
E			4.9	79.9
10			5.9	78.9
Cr			5,6	79.2
10			6.2	78.6
W			6,9	77.9

		84.83		
		270 N = SL		
W			6.6	78.2
10			5.9	78.9
Cr			5.5	79.3
10			5.5	79.3
E			4.9	79.9
Cr				
E			4.6	80.2
10			5.4	79.4
Cr			5.3	79.5
10			5.9	78.9
W			6.0	78.8
		NL		
W			6.0	78.8
10			5.6	79.2
Cr			5.1	79.7
10			5.1	79.7
E			4.4	80.4
		50 N		
E			4.2	80.6
10			5.3	79.5
Cr			5.1	79.7
10			5.7	79.1
W			6.4	78.4

84.83

100'N

W	6.1	78.7
10	5.3	79.5
Cr	4.7	80.1
10	4.8	80.0
E	4.2	80.6

150'N

E	4.0	80.8
10	4.4	80.4
Cr	4.5	80.3
10	5.3	79.5
W	6.0	78.8

200'N

W	6.0	78.8
10	5.4	79.4
Cr	4.9	79.9
10	5.0	79.8
E	4.1	80.7

250 N

E	4.3	80.5
10	4.8	80.0
Cr	4.9	79.9
10	5.5	79.3
W	5.9	78.9

5750
7933
7926

84.83

270'N = Sh. Westbourne (W).

W	5.7	79.1
10	5.3	79.5
Cr	5.0	79.8
10	5.0	79.8
E	4.3	80.5

TP 13M 367 82.93 5550 79.33 (7926)

Cr Westbourne (W)

W	4.1	78.8
10	3.8	79.1
C	3.8	79.1
10	3.8	79.1
E	3.8	80.6

Sh. Westbourne (E)

E	2.4	80.5
10	2.9	80.0
Cr	3.2	79.7
10	3.6	79.3
W	4.4	78.5

3.4 N = Nl. Westbourne (W).

W	4.4	78.5
10	3.6	79.3
Cr	3.2	79.7
10	3.0	79.9
E	2.4	80.5

8293

Cr

E	2.6	80.3
10	3.6	79.3
Cr	3.4	79.5
10	3.6	79.3
W	4.3	78.6

NK Westbourne (E)

W	4.7	78.2
10	3.9	79.0
Cr	3.4	79.5
10	3.9	79.0
E	2.7	80.2

50 N

E	3.1	79.8
10	4.1	78.8
Cr	4.1	78.8
10	4.6	78.3
W	5.3	77.6

100 N

W	6.8	76.1
10	5.2	77.1
Cr	4.6	78.3
10	5.2	77.1
E	4.4	78.5

8293

150 N

E	5.1	77.8
10	6.0	76.9
Cr	5.5	77.4
10	5.9	77.0
W	7.0	75.9

163 N = 5h Belvedere Ave.

W	7.3	75.6
10	6.3	76.6
Cr	5.9	77.0
10	6.3	76.6
E	5.1	77.8

Cr.

E	5.6	77.3
10	6.8	76.1
Cr	6.5	76.4
10	6.9	76.0
W	7.5	75.4

NK.

W	7.6	75.3
10	7.5	75.4
Cr	7.2	75.7
10	7.6	75.3
E	6.5	76.4

8293

50 N

E	8,2	74.1
10	8.8	74.1
Cr	8,5	74.4
10	8.8	74.1
W	10,6	72.6
E	85 N. 9.2	73.7

110 N = S.L. Farm Glen

W	12.3	70.6
10	10,1	72.8
Cr	9.9	73.0
10	10.2	72.7
E	18,0	69.9

10 N of SL.

W	15.5	67.4

20 N of SL.

E	10.5	72.4

30 N of SL = Cr of Street on East

W	14.6	68.3
10	10,5	72.4
Cr	10,3	72.6
10	10,3	72.6
E	9.9	73.0

45.25 N of SL = Cr of Street on W.

E	9.6	73.3
10	10,6	72.3
Cr	10,5	72.4
10	10,7	72.2
W	12.7	70.2

60 N of SL = W.L. of Street on E

W	12,7	70.2
10	10,8	72.1
Cr	10,6	72.3
10	10.6	72.3
E	9.3	73.6

7 N

W	14.6	68.3

13 N

E	11.3	71.6

15 N

W	21.0	61.9

20 N

E	18.0	64.9

25 N

W	33.0	59.9

W.L. Farm Glen on West.

W	14.3	68.6
10	11.2	71.7
Cr	10.8	72.1
10	10.7	72.2
E	16.7	66.2

5 N

E	12.8	70.1

20 N

W	12.0	70.9
E	11.9	71.0

		82.93'		
		25 N		
E			9.7	73.2
		50 N		
W			11.2	71.7
10			11.2	71.7
Cr			10.8	72.1
10			10.7	72.2
E			9.2	73.7
TP	3.01	75.25'	10.69	72.24'
		100 N		
E			0.7	74.5
10			2.8	72.4
Cr			2.9	72.3
10			3.3	72.0
W			2.3	73.0
		118.7 N = 3L Rushville Ave		
W			2.4	72.8
10			2.3	72.0
Cr			2.8	72.4
10			2.7	72.5
E			0.7	74.5
		CN		
E			0.7	74.5
10			3.0	72.2
Cr			2.9	72.3
10			3.3	72.0
W			2.1	72.1

		75.25'		
		Mt. Rushville Ave		
W			4.7	70.5
10			3.7	71.5
Cr			3.8	72.0
10			3.3	72.0
E			2.4	72.8
		21.2 N		
E			3.2	72.0
10			3.6	71.6
Cr			3.5	71.7
10			4.2	71.0
W			6.1	69.1
		71.7' N		
W			5.8	69.4
10			4.6	70.6
Cr			3.8	71.4
10			3.9	71.3
E			3.5	71.7
		121.7' N		
E			4.0	71.2
10			4.2	71.0
Cr			3.9	71.3
10			4.7	70.5
W			5.6	69.6

75.25

140 N = Sh. Arenas (on E)

W	5.8	69.4
10	4.8	70.4
Cr	4.1	71.1
10	4.4	70.8
E	4.0	71.2

170 = Cr Arenas (on E)

E	4.5	70.7
10	4.7	70.5
cr	4.5	70.7
10	5.0	70.2
W	6.8	69.0

191 N = Sl Arenas (on W)

W	6.6	68.6
10	5.3	70.0
cr	4.7	70.5
10	5.1	70.1
E	4.7	70.5

200 N = Nh Arenas (on E)

E	4.8	70.4
10	5.1	70.1
cr	4.8	70.4
10	5.3	70.0
W	6.8	68.4

75.25

216 N = Cr Arenas (on W)

W	6.6	68.6
10	5.4	69.8
cr	4.9	70.3
10	5.2	70.0
E	4.6	70.6

241 N = Nh ——

E	4.5	70.7
10	5.3	69.9
cr	5.1	70.1
10	5.7	69.5
W	6.7	68.5

60' N of Arenas 18 0 8"×12" Bot.

30' N of Arenas — (W)

W	7.5	67.7
10	6.0	69.2
cr	5.4	69.8
10	5.6	69.6
E	5.6	69.6

50' N

W	8.8 / 12.7	66.4 / 62.5

60' N

W	15.0 / 8.5	60.2 / 66.7

80' N

W	7.5	66.7
10	6.5	68.7
cr	5.8	69.4
10	5.9	69.3

75.25'		
E	5.8	69.4
130' N		
E	6.0	69.2
10	6.1	69.1
cr	5.9	69.3
10	6.5	68.7
W	7.2	68.0
180' N		
W	6.9	68.3
10	6.5	68.7
cr	6.0	69.2
10	6.1	69.1
E	5.8	69.9
230' N		
E	4.9	70.3
10	5.7	69.5
cr	5.9	69.3
10	6.5	68.7
W	6.9	68.3
260' N = St. Center St.		
W	6.6	68.6
10	6.8	69.0
cr	5.7	69.5
10	5.5	69.7
E	3.9	71.3

75.25'		
cr		
E	4.5	70.7
10	5.3	70.0
cr	5.4	69.8
10	6.2	69.0
W	6.7	68.5
NX. Center St		
W	6.6	68.6
10	5.9	69.3
cr	5.3	70.0
10	5.2	70.0
E	4.1	71.1
60' N		
E	3.8	71.4
10	4.9	70.3
cr	5.0	70.2
10	5.7	69.5
W	6.3	69.0
120' N		
W	6.0	69.2
10	5.5	69.7
cr	4.8	70.4
10	4.9	70.3
E	5.5	69.7

75.25

140 N = 31 Sea Lane

E		3.7	71.5	
10		4.8	70.4	
cr		4.8	70.4	
10		5.3	70.0	
W		5.8	69.4	
TP	5.56	75.55	5.26	69.99

N.L. Sea Lane (30')

W		6.1	69.4	
10		5.5	70.0	
cr		5.0	70.5	
10		5.0	70.5	
E		4.1	71.4	
BM Brass X = Sea Lane		3.67	71.88	71.845

50 N of Sea Lane

E		3.9	71.6	
10		5.3	70.2	
cr		5.0	70.5	
10		5.4	70.1	
W		6.1	69.4	

100 N

W		5.9	69.6	
10		5.6	70.0	
cr		5.1	70.4	
10		5.3	70.2	
E		3.8	71.7	

75.55

150 N

E		4.2	71.3	
10		5.3	70.2	
cr		5.2	70.3	
10		5.5	70.0	
W		6.2	69.3	

200 N

W		6.4	69.1	
10		5.9	69.6	
cr		5.5	70.0	
10		5.6	70.0	
E		4.5	71.0	

250 N

E		4.9	70.6	
10		5.7	69.8	
cr		5.5	70.0	
10		6.2	69.3	
W		6.8	68.7	

300 N

W		7.0	68.5	
10		6.6	69.0	
cr		5.6	70.0	
10		5.5	70.0	
E		5.5	70.0	

75.55

315' N-St. Marinette Ave

E			5.6	70.0	
.0			5.6	70.0	
cr			6.1	69.5	
.0			6.8	68.8	
W.			7.2	68.4	
TP.	7.88	77.54	5.89	69.66	
			11.97	65.57	65.54

10/20/13 Hatch Mount Hall

Levels on Boulevard from Old Town Bridge - North -

0+00 = end of old Bridge

	1.87	20.37		19.00
		0+30		
cr			4.4	16.0
25' E			5.4	15.0
15' W			4.9	15.5
		0+50		
85' W			4.9	15.5
cr			4.7	15.7
13 E			4.7	15.7
		1+00		
13 E			4.6	15.8
cr			4.8	15.6
7 W	N 22° 01' W		4.9	15.5
		1+50		
8 W			5.1	15.3
cr			4.9	15.5
12 E			4.7	15.7
		2+00		
13 E			5.0	15.4
cr			5.0	15.4
7 W			5.2	15.2
		2+50		
7 W			5.2	15.2
cr			5.2	15.2
E			5.3	15.1

(20.4)

		20.37		
		3+00		
13 E			5.5	14.9
cr			5.3	15.1
7 W			5.4	15.0
		3+50		
7 W			5.3	15.1
cr			5.1	15.3
13 E			5.6	14.8
		4+00		
10 E			5.6	14.8
cr			5.4	15.0
10 W			5.6	14.8
		4+50		
W			5.7	14.7
cr			5.4	15.0
E			5.7	14.7
		5+00		
E			5.9	14.5
cr			5.6	14.8
W			6.0	14.4
		5+50		
W			6.0	14.4
cr			5.6	14.8
E			6.0	14.4

		(20.4)		
		20.37		
		6+00		
E			6,1	14.3
Cr			5.7	14.7
W			6.1	14.3
		(19.9)		
TP	5.36	19.88	5.85	14.52
		6+50		
W			5.7	14.2
Cr			5,4	14,5
E			5.7	14,2
		7+00		
E			5,8	14.1
Cr			5,6	14.4
W			5.8	14.1
		7+50		
W			5,6	14.3
Cr			5,3	14.6
E			5.6	14.3
		8+00		
E			5.2	14.7
Cr			5,0	14.9
W			5.5	14.4
		8+50		
W			5.3	14.6
Cr			4,8	15.1
E			5.2	14.7

		(19.9)		
		19.88		
		9+00		
E			5,2	14.7
Cr			4.9	15.0
W			5.3	14.6
		9+50		
W			5.5	14.4
Cr			5.2	14.7
E			5.4	14.5
		10+00		
E			5,5	14.4
Cr			5,2	14.7
W			5.7	14.2
		10+50		
W			5,6	14.3
Cr			5.2	14.7
E			5.4	14.5
		11+00		
E			5,5	14.4
Cr			5.4	14.5
W			5.6	14.3
		11+50		
W			5.7	14.2
Cr			5.3	14.6
E			5.6	14.3

		19.9		
		19.88		
		12+00		
E	12+18.82 = Greenwood St		5.5	14.4
	25' from Southeasterly line Book 877			
CL			5.3	14.6
W			5.7	14.2
		12+50		
W			5.7	14.2
CL			5.3	14.6
E			5.4	14.5
		13+00		
E			5.5	14.4
CL			5.3	14.6
W			5.7	14.2
		13+50		
W			5.6	14.3
CL			5.4	14.5
E			5.6	14.3
TP	5.17	19.71	5.34	14.54
		14+00		
E			5.5	14.2
CL			5.2	14.5
W			5.6	14.1
		14+50		
W			5.6	14.1
CL			5.1	14.6
E			5.4	14.3

	19.71		
	15+00		
E		5.6	14.1
CL		5.2	14.5
W		5.5	14.2
	15+50		
W		5.5	14.2
CL		5.2	14.5
E		5.5	14.2
	16+00		
E		5.4	14.3
CL		5.0	14.7
W		5.5	14.2
	16+50		
W		5.3	14.4
CL		4.9	14.8
E		5.1	14.6
	17+00		
E		5.1	14.6
CL		4.8	14.9
W		5.1	14.6
	17+50		
W		5.1	14.6
CL		4.9	14.8
E		5.1	14.6

19.71

18+00

E	5.2	14.5
CL	4.9	14.8
W	5.3	14.4

18+50

W	5.2	14.5
CL	4.8	14.9
E	5.1	14.6

19+00

E	5.2	14.5
C	5.0	14.7
W	5.4	14.3

19+50

W	5.2	14.5
CL	4.7	15.0
E	5.0	14.7

20+00

E	4.6	15.1
CL	4.2	15.5
W	4.6	15.1

20+50

W	4.4	15.3
CL	3.9	15.8
E	3.9	15.8

19.71

21+00

E	3.5	16.2
CL	3.4	16.3
W	3.9	15.8

21+50

W	3.8	16.4
CL	3.8	16.9
E	3.9	16.8

22+00

E	2.4	17.3
CL	2.2	17.5
W	2.5	17.2

22+50

W	2.2	17.5
CL	1.8	17.9
E	2.0	17.7

23+00

E	1.4	18.3
CL	1.4	18.3
W	1.7	18.0

23+50

W	1.3	18.4
CL	1.2	18.5
E	1.2	18.5
AVG	8.09	26.68 1.12 18.59

	(26.7)		
	26.6.8		
	24+00		
E		7,9	18.8
cr		7,9	18.8
W		7.9	18.8
	24+50		
W		7,5	19,2
cr		7,4	19,3
E		7,4	19,3
	25+00		
E		6,7	20,0
cr		6,8	19.9
W		6,7	20.0
	26+50		
W		5,8	20.9
cr		5,9	20.8
E		5,8	20.9
	26+00		
E		5.8	20.9
cr		5,8	20.9
W		5.7	21.0
	26+50		
W		6,2	20.5
cr		6,3	20.4
E		6.5	20.2

	(26.7)		
	26.6.8		
	27+00		
E		6.3	20.4
cr		6.2	20.5
W		6.1	20.6
	27+50		
W		6,3	20.4
cr		6.4	20.3
E		6.6	20.1
	28+00		
E		6.3	20.4
cr		6.3	20.4
W		6.3	20.4
	28+50		
W		6.0	20.7
cr		6.1	20.6
E		6,8	19.9
	29+00		
E		5.7	21.0
cr		5.4	21.3
10 W		5.6	21.1
20 W		6.1	20.6
	29+22.5 Curve Angle 31°41" L		
30 W		6.0	20.7
10 W		5.4	21.3
cr		5.4	21.3
10 E		5.5	21.2

26.7

2668

29+50

E	5.4	21.3
cr	5.8	21.4
10 W	5.4	21.3
20 W	6.2	20.5

30+00

W	6.6	21.1
cr	5.2	21.5
E	5.3	21.4

30+50

E	5.1	21.6
cr	4.9	21.8
W	5.3	21.4

N534.2 W

31+00

W	4.9	21.8
cr	4.7	22.0
E	4.8	21.9
Mon	4.26	22.42 22.20-2

31+50

E	4.4	22.3
cr	4.5	22.2
W	4.5	22.2

32+00

W	4.5	22.2
cr	4.4	22.3
E	4.6	22.1

26.7

2668

32+50

E	5.1	21.6
cr	5.0	21.7
W	5.0	21.7

33+00

W	5.9	20.8
cr	6.0	20.7
E	6.3	20.4
PP 3.40	22.9 22.82	7.22 19.46

33+50

E	3.6	19.3
cr	3.3	19.6
W	3.5	19.4

34+00

W	4.4	18.5
cr	4.4	18.5
E	4.5	18.4

34+50

E	5.3	17.6
cr	5.1	17.8
W	5.2	17.7

35+00

W	5.2	17.7
cr	5.0	17.9
E	5.4	17.5

10/30/13

22.9

22.86

35+55 58 angle 42°16' R

20 E 6.0 16.9
10 E 5.7 17.2
Cr 5.6 17.3
W 5.9 17.0

24A

77° Hydt Bat 5.80 24.38 4.28 18.58

36+00

E 7.7 16.7
Cr 7.4 17.0
W 7.4 17.0

36+50

W 7.4 17.0
Cr 7.5 16.9
E 7.6 16.8

N 11°26' W

37+00

E 7.2 17.2
Cr 7.1 17.3
W 7.2 17.2

37+50

W 6.9 17.5
Cr 6.7 17.7
E 6.6 17.8

38+00

E 6.3 18.1
Cr 6.3 18.1
W 6.5 17.9

24.4

24.38

38+50

W 6.3 18.1
Cr 6.1 18.3
E 6.0 18.4

39+00

E 5.9 18.5
Cr 5.9 18.5
W 6.0 18.4

39+50

W 5.6 18.8
Cr 5.5 18.9
E 5.5 18.9

40+00

E 5.5 18.9
Cr 5.4 19.0
W 5.3 19.1

40+50

W 5.2 19.2
Cr 5.1 19.3
E 5.0 19.4

41+00

E 4.7 19.7
Cr 4.7 19.7
W 4.7 19.7

24A

24.38

41+50

W	4.5	19.9
Cr	4.4	20.0
E	4.3	20.1
42+00		
E	4.1	20.3
Cr	4.1	20.3
W	4.4	20.0
42+50		
W	4.1	20.3
Cr	3.8	20.6
E	3.8	20.6
43+00		
E	3.6	20.8
Cr	3.7	20.7
W	4.0	20.4
43+50		
W	3.7	20.7
Cr	3.5	20.9
E	3.4	21.0
44+00		
E	2.8	21.6
Cr	3.3	21.1
W	3.8	20.6

24A

24.38

44+50

20 W	4.5	19.9
10 W	3.6	20.8
Cr	2.6	21.8
E	2.1	22.3
TP 2.82	22A 22.38 2.82	21.56
44+66.22 angle 42°15'L		
E	0.0	22.4
Cr	0.7	21.7
10 W	1.2	21.2
20 W	2.4	20.0
45+00		
W	3.0	19.4
Cr	2.0	20.4
E	1.3	21.1
45+50		
E	3.4	19.0
Cr	3.9	18.5
W	4.5	17.9
46+00		
W	6.0	16.4
Cr	5.6	16.8
E	5.5	16.9

N 43°-30' W

		(22.4)		
		22.38 ✓		
		46+50		
E			7.4	15.0
Cr			7.4	15.0
W.			7.8	14.6
		47+00		
W			9.7	12.7
Cr			9.4	13.0
E			9.4	13.0
		47+50		
E			11.0	11.4
Cr			11.2	11.2
W			11.2	11.2
		48+00		
W			12.6	9.8
Cr			12.6	9.8
E			12.6	9.8
		(14.2) ✓		
T.P	4.53	14.19	12.72	9.66 ✓
		48+50		
E			4.9	9.3
Cr			4.9	9.3
W			5.3	8.9
E		49+00	5.7	8.5
Cr			5.7	8.5
W			5.8	8.4

		(14.2)		
		14.19 ✓		
		49+50		
W			6.0	8.2
Cr			6.0	8.2
E			6.0	8.2
		50+00		
E			5.8	8.4
Cr			5.8	8.4
W			5.9	8.3
		50+50		
W			5.8	8.4
Cr			5.6	8.6
E			5.7	8.5
		51+00		
E			5.4	8.8
Cr			5.4	8.8
W			5.6	8.6
		51+50		
W			5.5	8.7
Cr			5.3	8.9
E			5.4	8.8
		52+00		
E			5.2	9.0
Cr			5.1	9.1
W			5.3	8.9

		(14.2)			
		1419			
		52+50			
w			5.3	8.9	
cr			5.0	9.2	
ε			5.1	9.1	
		53+00			
ε			5.1	9.1	
cr			5.0	9.2	
w			5.3	8.9	
		53+50			
w			5.2	9.0	
cr			5.0	9.2	
ε			5.1	9.1	
		54+00			
ε	54+48½ 10.5 11.5		4.3	9.9	
cr		Tecolote Bridge	4.3	9.9	
w	54+21½ 10.5 11.5		4.5	9.7	
54+21½	{Bridge floor}		4.22	9.97	
54+48½			4.00	10.19	
		55+00			
w			5.8	8.4	
cr			5.6	8.6	
ε			5.7	8.5	

		(14.2)			
		1419			
		55+50			
ε			6.4	7.8	
cr			6.3	7.9	
w			6.5	7.7	
		56+00			
w			7.0	7.2	
cr			6.9	7.3	
ε			7.0	7.2	
TP	223	(9.6) 9.57	6.85		7.34
		56+50			
ε			2.7	6.9	
cr			2.6	7.0	
w			2.7	6.9	
		57+00			
w			3.1	6.5	
cr			3.0	6.6	
ε			2.9	6.7	
		57+50			
ε			3.3	6.3	
cr			3.3	6.3	
w			3.2	6.4	
		58+00			
w			3.8	5.8	
cr			3.8	5.8	
ε			3.8	5.8	

9.6

9.57 ✓

58+50

E	4.1	5.5
Cr	4.2	5.4
W	4.3	5.3

59+00

W	4.7	4.9
Cr	4.6	5.0
E	4.7	4.9

59+50

E	5.0	4.6
Cr	5.1	4.5
W	5.1	4.5

60+00

W	5.5	4.1
Cr	5.5	4.1
E	5.5	4.1

60+50

E	5.8	3.8
Cr	5.8	3.8
W	5.8	3.8

61+00

W	6.1	3.5
Cr	6.0	3.6
E	6.1	3.5

9.6

9.57 ✓

61+50

E	6.5	3.1
Cr	6.4	3.2
W	6.3	3.3

62+00

W	6.8	3.3
Cr	6.6	3.0
E	6.9	2.7

62+50

E	7.3	2.3
Cr	6.7	2.9
W	6.1	3.5

62+94.15 angle 36°14'R

W	5.8	3.8
Cr	6.1	3.5
10 E	6.7	2.9
10 E	7.5	2.1
PI on Nick at Cr. (angle) 14.03	10.73 ✓ 6.27	3.30 ✓

63+50

E	11.5	2.5
Cr	11.0	3.0
W	10.7	3.3

64+00

W	10.1	3.9
Cr	10.4	3.6
E	10.6	3.4

14.03

64+50

E	9.7	4.3
cr	9.5	4.5
W	9.5	4.5

65+00

W	8.9	5.1
cr	8.8	5.2
E	9.1	4.9

65+50

E	8.1	5.9
cr	7.9	6.1
W	8.0	6.0

N 17° 27' W

66+00

W	7.5	6.5
cr	7.4	6.6
~~W~~ E	7.6	6.4

66+50

E	7.5	6.5
cr	7.1	6.9
~~W~~	7.3	6.7

67+00

W	7.2	6.8
cr	6.8	7.2
E	7.1	6.9

10/3/13

14.03

67+50

E	6.5	7.5
cr	6.3	7.1
W	6.7	7.3

68+00

W	5.8	8.2
cr	5.5	8.5
E	5.6	8.4

68+50

E	4.6	9.4
cr	4.6	9.4
W	4.7	9.3

68+73.25 BC

W	3.8	10.2
cr	3.8	10.2
E	3.7	10.3
	(23.0)	
TP 12.58	22.98	8.93 10.10

69+00

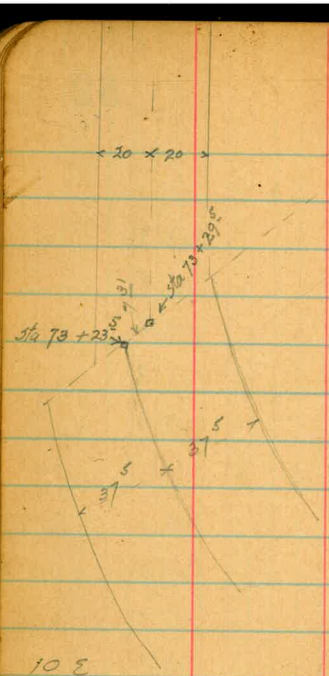
W	11.9	11.1
cr	11.8	11.2
E	11.7	11.3

69+50

E	9.7	13.3
cr	9.7	13.3
W	9.9	13.1

		(23.0)		
		22.98		
		70+00		
W			7.6	15.4
Cr			7.7	15.3
E			7.8	15.2
		70+50		
E			5.2	17.8
Cr			5.1	17.9
W			5.2	17.8
		71+00		
W			2.8	20.2
Cr			3.0	20.0
E			3.3	19.7
		71+50		
E			2.2	20.8
Cr			1.8	21.2
W			1.8	21.2
T.P.	6.00	27.47 ✓	1.51	21.47 ✓
		72+00		
W			5.5	22.0
Cr			5.6	21.9
			5.4	22.1
		72+50		
10 E			+3.2	30.1
7 E			3.8	23.7
3 E			5.4	22.1
Cr			5.6	21.9
W			5.3	22.2

		(27.5)		
		27.47		
		73+00		
W			5.8	21.7
Cr			6.0	21.5
2 E			5.1	22.4
6 E			+0.7	27.9
10 E			+1.4	28.9
		73+50		
10 E			1.4	26.1
5 E			2.2	25.3
2 E			6.5	21.0
Cr			6.8	20.7
W			6.6	20.9
		74+00		
W			7.4	20.1
Cr			7.6	19.9
5 E			{7.0 4.7	20.5 22.8
10 E			4.4	23.1
		74+50		
E			8.1	19.4
Cr			8.5	19.0
W			8.3	19.2
		75+00		
W			9.4	18.1
Cr			9.6	17.9
5 E			9.7	17.8
10 E			9.1	18.4



27.5

27.47

75+50

10 E	9.3	18.2
8 E	10.6	16.9
Cr	10.3	17.2
W	10.2	17.3

76+00

W	10.7	16.8
Cr	11.1	16.4
7 E	11.2	16.3
10 E	10.2	17.3

76+50

10 E	10.8	16.7
7 E	11.9	15.6
Cr	11.6	15.9
W	11.3	16.2

27.5

27.47

77+00

W	11.9	15.6
Cr	12.3	15.2
7E	12.6	14.9
10E	11.6	15.9
TP 3.02	18.46 12.03	15.44

77+50

10 E	3.8	14.7
7 E	4.4	14.1
Cr	3.9	14.6
W	3.7	14.8

78+00

W	4.1	14.4
Cr	4.6	13.9
6 E just take culvert.	5.1	13.4
10 E	3.6	14.9

78+50

10 E	3.5	15.0
6 E	4.7	13.8
Cr	4.6	13.9
W	4.3	14.2

79+00

W	4.4	14.1
Cr	4.6	13.9
6 E	4.8	13.7
10 E	3.7	14.8

18.5

18,46

79+50

10 E		3.8	14.7
6 E		4.7	13.8
Cr		4.6	13.9
W		4.3	14.2
	80+00		
W		4.7	13.8
Cr		4.9	13.6
E		5.1	13.4
E		4.1	14.4
10 E	80+50	4.3	14.2
6 E		5.3	13.2
Cr		5.2	13.3
W		5.0	13.5
	81+00		
W		5.0	13.5
Cr		5.2	13.3
6 E		5.6	12.9
10 E		4.4	14.1
	81+50		
10 E		4.3	14.2
6 E		5.4	13.1
Cr		5.3	13.2
W		5.1	13.4

18,46

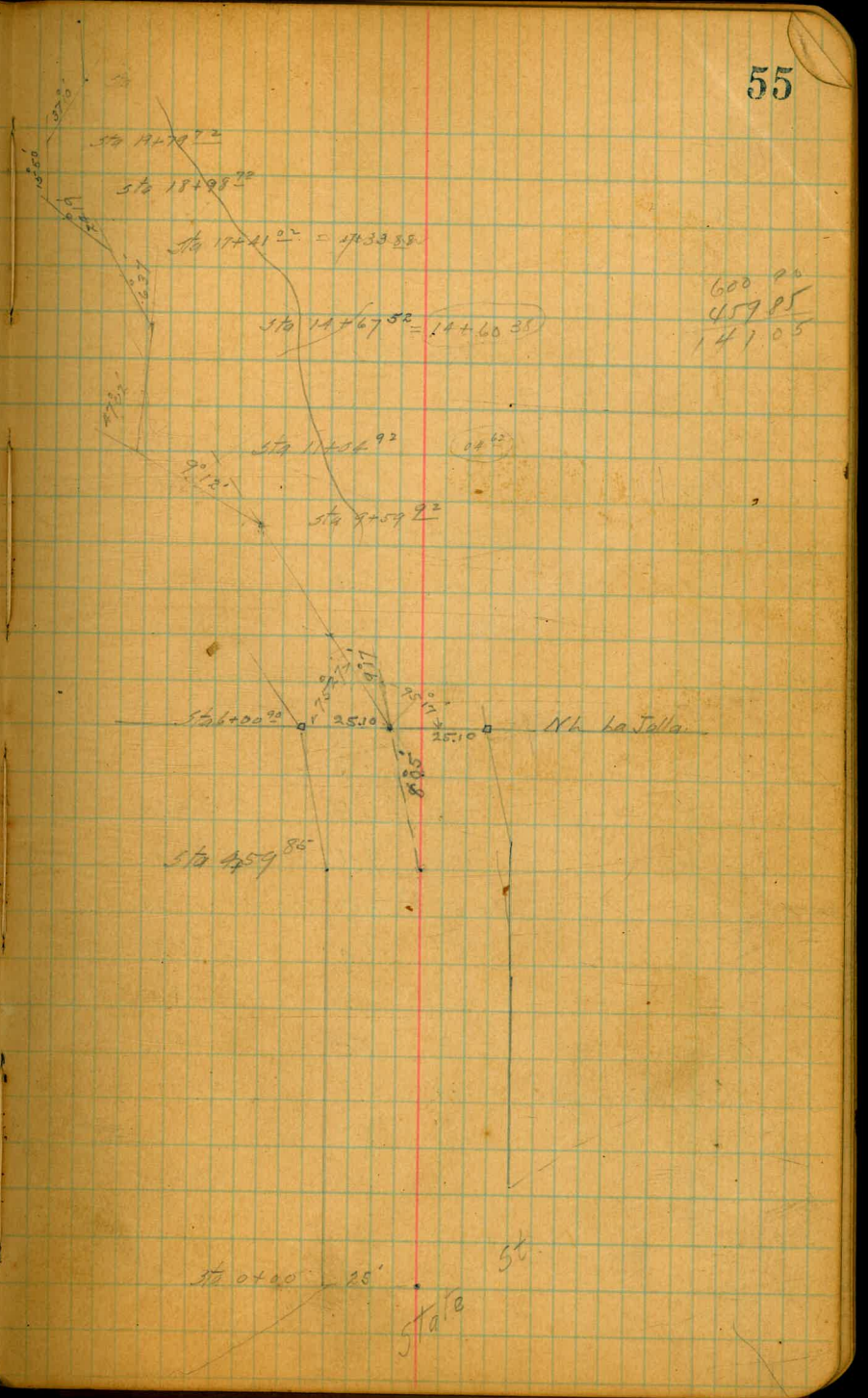
82+00

W	5.2	13.3
Cr	5.3	13.2
6 E	5.2	13.3
10 E	4.2	14.3
T.P	3.04	15.42

11/21/13

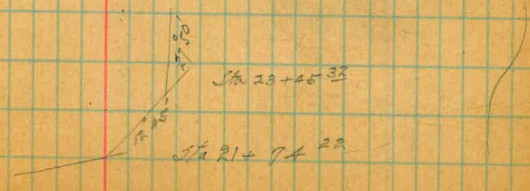
Xsec La Jolla Blvd from State St N.
Levels Taken 07 Co. and 12' each Side

BM Nail in E Exchange - Prospect	13.06	128.23		115.17
	12.97	141.13	0.07	128.16
	11.70	134.14	11.69	129.44
	12.13	121.80	12.47	121.67
	13.23	108.93	12.10	108.70
	12.56	96.94	12.55	96.38
		0+00		
E			3.0	93.9
CL			3.1	93.8
W			4.5	92.4
		0+50		
W			7.5	89.4
CL			7.0	89.9
E			6.7	90.2
BM 2 Nails in pole W. Side at Sta 0+40			6.06	90.88
		1+00		
E			9.3	87.6
CL			9.5	87.4
W			10.3	86.6
		1+50		
W			12.0	84.9
CL			11.5	85.4
E			11.5	85.4
T.P.	4.90	89.49	12.35	84.59
		2+00		
E			6.0	83.5
CL			6.0	83.5
W			6.4	83.1



	89.49		
	2+50		
W		7.5	82.0
CL		7.1	82.4
E		7.2	82.3
	3+00		
E		7.5	82.0
CL		7.3	82.2
W		8.0	81.5
	3+50		
W		7.3	82.2
CL		7.0	82.5
E		6.9	82.6
	4+00		
E		6.3	83.2
CL		6.3	83.2
W		7.1	82.4
	1+59.93	BC 500' R.	Δ=17°23' L.
W		6.0	83.5
CL		5.4	84.1
E		5.4	84.1
TP Hub NE Princess 1034	94.06	5.77	83.72
	5+00		
E		9.9	84.2
CL		10.0	84.1
W		10.8	83.3

	94.06		
	5+50		
W		10.7	83.4
CL		10.0	84.1
E		10.0	84.1
	6+00		
E		9.5	84.6
CL		9.9	84.2
W		10.8	83.3
	6+11.45	EC	
W		10.9	83.2
CL		9.7	84.4
E		9.3	84.8
	6+50		
E		8.4	85.7
CL		9.0	85.1
W		10.3	83.8
	7+00		
W		8.4	85.7
CL		7.1	87.0
E		7.0	87.1



		94.06		
		7+50	1	
E			4.2	89.9
Cr			4.3	89.8
W			5.1	89.0
		8+00		
W			2.3	91.8
Cr			1.4	92.7
E			1.4	92.7
T.P.	10.93	104.29	0.70	93.36
		8+50		
E			9.0	95.3
Cr			9.3	95.0
W			10.7	93.6
		9+00		
W			8.5	95.8
Cr			7.1	97.2
E			7.1	97.2
		9+59.27	Angle	9°12' L
E			4.3	100.0
Cr			4.2	100.1
W			4.4	99.9
		10+00		
W			4.0	100.3
Cr			3.6	100.7
E			3.4	100.9
T.P. Hydt Post	0.43	103.18	1.54	102.75

	103.18		
	10+38.35		
	= 10+39.65	B.C., 150 R, 47°02' R	
W		2.7	100.5
Cr		2.6	100.6
E		2.9	100.3
	10+50		
E		3.2	100.0
Cr		2.8	100.4
W		2.8	100.4
	11+00		
W		5.0	98.2
Cr		5.1	98.1
9 E		5.3	97.9
12 E		2.3	100.9
	11+50		
12 E		3.9	99.3
12 E		8.0	94.4
Cr		7.5	95.7
W		7.0	95.7
	11+62.75	E.C.	
W		7.7	95.5
Cr		8.4	94.8
10 E		8.8	94.4
12 E		5.2	98.0

		103.18		
		12+00		
12 E			8.8	94.4
10 E			11.0	92.2
Cr			10.7	92.5
W			10.6	92.6
		12+50		
W			11.9	91.3
Cr			12.2	91.0
11 E			12.4	90.8
12 E			8.3	94.9
T.P.	3.87	94.90	12.15	91.03
		13+00		
12 E			2.3	92.6
11 E			4.6	90.3
Cr			4.5	90.4
W			4.4	90.5
		13+50		
W			4.8	90.1
Cr			4.8	90.1
9 E			4.8	90.1
12 E			1.3	93.6
		14+00		
12 E			+0.1	95.3
11 E			5.4	89.5
Cr			5.3	89.6
W			5.5	89.4

		94.90		
		14+60	35 Angle 6°37' L	
W			5.6	89.3
Cr			5.2	89.7
E			5.1	89.8
		15+00		
12 W			5.9	89.0
9 W			5.0	89.9
Cr			4.8	90.1
E			4.8	90.1
		15+50		
E			4.2	90.7
Cr			4.0	90.9
W			4.3	90.6
		16+00		
W			2.6	92.3
Cr			3.1	91.8
E			3.1	91.8
		16+15		
E			3.0	91.9
Cr			3.2	91.7
9 W			3.1	91.8
12 W			2.4	92.5
		16+50		
W			4.2	90.7
Cr			4.6	90.3
E			4.5	90.4
TP	3.79	92.19	5.50	86.40

9219

16+89.36 BC 250 R 26°47' L

W	3.9	88.3
CL	3.8	88.4
E	3.7	88.5

17+00

E	4.5	87.7
CL	4.4	87.8
W	4.5	87.7

17+50

W	6.8	85.4
CL	6.4	85.8
E	6.2	86.0

18+00

12 E	4.4	87.8
9 E	7.6	84.6
CL	7.6	84.6
W	7.9	84.3

18+06.22 EC

W	7.8	84.4
CL	7.7	84.5
9 E	7.7	84.5
12 E	3.9	88.3

18+66.07 BC 150 R 57°01' R

12 E	3.5	88.7
9 E	8.7	83.5
CL	8.4	83.8
W	7.9	84.3

9219

19+00

W	9.0	83.2
CL	9.3	82.9
9 E	9.6	82.6
12 E	5.2	87.0

19+25

12 E	6.6	85.6
10 E	10.2	82.0
CL	10.0	82.2
W	9.8	82.4

19+50

W	10.1	82.1
CL	10.1	82.1
9 E	10.3	81.9
12 E	6.2	86.0

nail - Pole

T.P. 4.87 86.41 10.65 81.54

19+75

12 E	0.5	85.9
9 E	4.8	81.6
CL	4.5	81.9
W	4.2	82.2

20+00

12 E	1.0	85.4
10 E	5.4	81.0
CL	5.1	81.3
W	4.9	81.5

86.41

20+18.34 EC

W		5.5	80.9
Cr		5.5	80.9
9 E		4.1	80.3
12 E		3.3	83.1
	20+50		
2 E		4.5	81.9
10 E		7.6	78.8
Cr		7.4	79.0
W		7.6	78.8
	21+07.42 BC 400' R 15°30' L		
W		10.5	75.9
Cr		10.2	76.2
10 E		10.4	76.0
12 E		7.8	79.1
	21+50		
12 E		8.3	78.1
10 E		11.4	75.0
Cr		11.2	75.2
W		11.7	74.7
TP	2.98	77.56 11.83	74.58
	22+00		
W		4.8	72.8
Cr		4.1	73.5
10 E		4.3	73.3
12 E		1.9	75.7

77.56

22+14.25 EC

12 E		2.2	75.4
10 E		5.1	72.5
Cr		4.9	72.7
W		5.7	71.9
	22+50		
W		7.4	70.2
Cr		6.9	70.7
10 E		6.8	70.8
12 E		5.2	72.4
	22+87.27 BC 150' R 26°49½' L		
12 E		6.2	71.4
10 E		7.8	69.8
Cr		8.2	69.4
W		8.6	69.0
	23+00		
W		9.2	68.4
Cr		8.4	69.2
10 E		8.1	69.5
12 E		6.7	70.9
	23+25		
E		8.4	69.2
Cr		8.6	69.0
W		9.6	68.0

		77.56		
		23+50		
W			9.8	67.8
Cr			8.8	68.8
E			8.7	68.9
		23+37.25 EC		
E			8.9	68.7
Cr			8.9	68.7
W			9.9	67.7
		24+00		
W			9.5	68.1
Cr			8.6	69.0
E			8.5	69.1
		24+50		
E			7.9	69.7
Cr			7.7	69.9
W			8.3	69.3
TP nail in pole	5.87	73.67	9.76	67.80
		24+75		
W			4.5	69.2
Cr			3.9	69.8
E			3.7	70.0
		25+00		
E			4.6	69.1
Cr			4.7	69.0
W			5.6	68.1

		73.67		
		25+50		
W			9.0	64.7
Cr			7.8	65.9
E			8.0	65.7
		26+00		
E			10.1	63.6
Cr			10.2	63.5
W			11.0	62.7
		26+50		
W			13.4	60.3
Cr			13.1	60.6
E			13.1	60.6
TP	7.03	62.81	12.89	60.78
		27+00		
E			4.7	58.1
Cr			4.6	58.2
8W			4.9	57.9
12W			5.9	56.9
		27+50		
7W			10.1	52.7
12W			7.2	54.6
7W			6.2	56.6
Cr			5.3	57.5
E			5.4	57.4
		28+15.25 BC 850 R 70°36' L		
E			5.0	57.8
Cr			5.4	57.4
W			5.9	56.9

62,81

28+50

12 W			4.1	58.7
10 W			6.0	56.8
Cr			5.6	57.2
E			5.4	57.4

29+00

E			8.3	54.5
Cr			8.4	54.4
W			8.9	53.9

29+50

18 W			15.0	47.8
12 W			13.0	49.8
5 W			12.3	50.5
Cr			12.1	50.7
E			11.8	51.0
TP	0.14	50.78	12.17	50.64

30+00

E			2.0	48.8
Cr			1.4	48.4
W			2.9	47.9

30+50

W			3.7	47.1
Cr			3.2	47.6
E			2.4	48.4

50.78

31+00

E			3.7	47.1
Cr			4.0	46.8
W			4.8	46.0

31+50

W			5.2	45.6
Cr			4.7	46.1
E			3.9	46.9

32+00

E			5.2	45.6
Cr			6.1	44.7
W			6.6	44.2

32+50

W			8.3	42.5
Cr			7.7	43.1
E			6.8	44.0

33+00

E			9.1	41.7
Cr			9.7	41.1
W			10.1	40.7

33+50

W			12.2	38.6
Cr			11.7	39.1
E			10.8	40.0

BM top Hydt Post (8" nail) 9.08 41.70

		5078		
		34+00		
E			13.1	37.7
Cr			13.4	37.4
W			13.7	37.1
T.P.	1.66	39.34	13.10	37.68
		34+50		
W			3.0	36.3
Cr			2.5	36.8
E			2.1	37.2
		35+00		
E			3.4	35.9
Cr			3.9	35.4
W			4.3	35.0
		35+50		
W			5.1	34.2
Cr			4.6	34.7
E			4.3	35.0
		36+00		
E			4.4	34.9
Cr			5.0	34.3
W			5.4	33.9
		36+50		
W			5.0	34.3
Cr			4.6	34.7
E			4.2	35.1

		39.34		
		37+00		
E			4.3	35.0
Cr			4.7	34.6
W			5.2	34.1
		37+50		
W			5.9	33.4
Cr			5.4	33.9
E			4.9	34.4
		38+00		
E			5.7	33.6
Cr			5.7	33.6
W			6.3	33.0
		38+50		
W			7.5	31.8
Cr			6.9	32.4
E			7.0	32.3
		38+62.6 EC		
E			7.3	32.0
Cr			7.1	32.2
W			7.9	31.4
		39+00		
W			8.4	30.9
Cr			7.6	31.7
E			7.8	31.5

		39.34 ✓		
		39+50		
E			9.2	30.1
Cr			9.3	30.0
W			9.9	29.4
		40+00		
W			11.1	28.2
Cr			10.9	28.9
E			10.9	28.9
		40+50		
E			12.0	27.3
Cr			12.0	27.3
W			12.6	26.7
T.P.	0.46	27.50 ✓	12.30	27.04 ✓
		41+00		
W			2.3	25.2
Cr			1.8	25.7
E			1.9	25.6
		41+50		
E			3.8	23.7
Cr			3.5	24.0
W			4.1	23.4
		42+00		
W			5.5	22.0
Cr			4.9	22.6
E			4.9	22.6

		37.50		
		43+50		
E			6.4	21.1
Cr			6.3	21.2
W			6.8	20.7
		43+00		
W			8.1	19.4
Cr			7.8	19.7
E			7.9	19.6
		43+50		
W			9.2	18.3
Cr			9.0	18.5
E			9.0	18.5
		44+00		
E			9.8	17.7
Cr			10.1	17.4
W			10.2	17.3
BM Night Post (8d mail)		near Sta 48+35	6.95	20.55
		44+50		
W			11.9	16.1
Cr			11.1	16.4
E			11.1	16.4
		45+00		
E			13.0	14.5
Cr			13.2	14.3
W			13.9	13.6
T.P.	2.50	17.29 ✓	12.71	14.79 ✓

17.3

17.29

45+50

W	5,1	12.2
CL	4,5	12.8
E	4.5	12.8

46+00

E	5.1	12.2
CL	5,1	12.2
W	5,8	11.5

46+50

W	6,2	11.1
CL	5,4	11.9
E	5,5	11.8

47+00

E	5,3	12.0
CL	5,1	12.2
W	6.1	11.2

47+50

W	4,0	13.3
CL	3,6	13.7
E	3.8	13.5

48+00

E	2,3	15.0
CL	2,1	15.2
W	2.2	15.1

17.3

17.29

48+25

W	2,3	15.0
CL	2.2	15.1
E	2.1	15.2

48+50

E	2.7	14.6
CL	2,7	14.6
W	3.0	14.3

49+00

W	5.9	11.4
CL	5.4	11.9
E	5.6	11.7

49+50

E	7.8	9.5
CL	7.3	10.0
10' W	7.5	9.8
12' W	8,0	9.3

50+00

W	8.6	8.7
CL	7,8	9.5
E	7.7	9.6

50+50

E	7.1	10.2
CL	7.5	9.8
W	8.2	9.1

		17.3		
		1729		
		51+00		
W			8.1	9.2
cr			7.6	9.1
E			7.2	10.1
		51+50		
E			7.1	10.2
cr			7.3	10.0
W			7.6	9.1
		52+00		
W			7.4	9.9
cr			6.9	10.4
E			6.9	10.4
		52+50		
E			5.9	11.4
cr			6.1	11.2
W			6.6	10.7
		53+00		
W			5.2	12.1
cr			5.1	12.2
E			4.7	12.6
BM Hyd Post	11.40 8d nail	24.60 Sta 52+90	1.09	13.20
		53+50		
W			11.0	13.6
cr			10.8	13.8
E			11.0	13.6

	24.60		
	54+00		
E		9.4	15.2
cr		9.4	15.2
W		9.8	14.8
	54+50		
W		7.7	16.9
cr		7.6	17.0
E		7.7	16.9
	55+00		
E		6.1	18.5
cr		5.9	18.7
W		6.2	18.4
	55+50		
W		4.2	20.4
cr		4.1	20.5
E		4.2	20.4
	56+00		
E		2.7	21.9
cr		2.6	22.0
W		2.9	21.7
	56+50		
W		1.7	22.9
cr		1.4	23.2
E		1.8	22.8

		24.60		
		57+00		
E			1,0	23.6
Cr			0.8	23.8
W			1.2	23.4
TP	7.50	31.36	0.74	23.86
		57+50		
W			7,6	23.8
Cr			7.1	24.3
E			7.2	24.2
		58+00		
W			7,2	24.2
Cr			6,6	24.8
E			6,9	24.5
		58+50		
E			6,2	25.2
Cr			6,2	25.2
W			6,8	24.6
		59+00		
W			6.5	24.9
Cr			6.0	25.4
E			6.0	25.4
		59+50		
E			5,4	26.0
Cr			5,4	26.0
W			5,8	25.6

	31,36		
	60+00		
W		5,5	25.9
Cr		4,9	26.5
E		4.8	26.6
	60+50		
E		4,3	27.1
Cr		4,4	27.0
W		5.0	26.4
	61+00		
W		4.6	26.8
Cr		4.0	27.4
E		4.1	27.3
	61+50		
E		3.5	27.9
Cr		3.3	28.1
W		3.9	27.5
	62+00		
W		3.4	28.0
Cr		3.0	28.4
E		3.1	28.3
	62+50		
E		2.9	28.5
Cr		2.6	28.8
W		3.0	28.4

		31.36		
		63+00		
W			3.2	28.2
Cr			2.5	28.9
E			2.9	28.5
		63+50		
E			3.0	28.4
Cr			2.8	28.6
W			3.5	27.9
T.P.	912	37.71	2.77	28.59
		64+00		
W			10.6	27.1
Cr			9.7	28.0
E			10.3	27.4
		64+50		
E			11.1	26.6
Cr			10.8	26.9
W			11.7	26.0
		65+00		
12 W			13.1	24.6
9 W			11.5	26.2
Cr			10.9	26.8
E			11.4	26.3
		65+50		
E			11.1	26.6
Cr			10.7	27.0
W			11.3	26.4

	37.71		
	66+00		
W		10.6	27.1
Cr		9.7	28.0
E		10.2	27.5
	66+50		
E		8.6	29.1
Cr		8.4	29.3
W		9.0	28.7
B M Hydt Post (6d nail)	Sta 66+52	6.87	30.94 (Checked h 30.84)
	67+00		
W		7.6	30.1
Cr		7.0	30.7
E		7.2	30.5
	67+50		
E		5.9	31.8
Cr		5.8	31.9
W		6.3	31.4
	68+00		
W		4.6	33.1
Cr		4.0	33.7
E		4.4	33.3
	68+50		
E		2.7	35.0
Cr		2.1	35.6
W		2.6	35.1

		37.71		
		69+00		
W			0.3	37.4
Cr			+0.3	38.0
E			0.1	37.6
T.P	10.63	48.07 ✓	0.27	37.44 ✓
		69+50		
W			8.9	39.2
Cr			8.4	39.7
E			8.7	39.4
		70+00		
E			6.9	41.2
Cr			6.6	41.5
W			7.3	40.8
		70+50		
W			5.8	42.3
Cr			4.9	43.2
E			5.2	42.9
		71+00		
E			4.3	43.8
Cr			4.0	44.1
W			4.8	43.3
		71+50		
W			4.5	43.6
Cr			3.8	44.3
E			4.0	44.1

		48.07 ✓		
		72+00		
E			3.2	44.9
Cr			3.1	45.0
W			3.7	44.4
		72+50		
W			2.2	45.9
Cr			1.8	46.3
E			1.9	46.2
		73+00		
E			1.4	46.7
Cr			1.0	47.1
W			1.4	46.7
T.P	Sub. 229	49.13 ✓	1.23	46.84 ✓
		73+50		
W			2.7	46.4
Cr			2.5	46.6
E			2.9	46.2
		74+00		
E			4.2	44.9
Cr			4.1	45.0
W			4.4	44.7
		74+50		
W			7.8	41.3
Cr			7.5	41.6
E			7.8	41.3

	49.13		
	75+00		
E		10.5	38.6
Cr		10.6	38.5
W		11.1	38.0
	75+50		
W		12.0	37.1
Cr		11.6	37.5
E		11.7	37.4
	76+00		
E		12.7	36.4
Cr		12.0	37.1
W		12.7	36.4
BM Hyalt Cast 1.70	41.92	8.91	40.22
	76+05		
18 W		11.8	30.1
14 W		7.0	34.9
12 W		5.5	36.4
Cr		1.8	37.1
9 E		4.9	37.0
12 E		5.9	36.0
15 E		7.4	34.5
	76+15		
15 E		10.8	26.1
		11.8	30.1
12 E		6.8	35.1
10 E		4.9	37.0
9 W		4.7	37.2
9 W		5.3	36.6

	41.92		
12 W		7.1	34.8
18 W		18.8	23.1
	76+50		
W		4.4	37.5
Cr		3.9	38.0
E		4.0	37.9
	77+00		
E		2.1	39.8
Cr		2.0	39.9
W		2.9	39.0
	77+50		
W		0.9	41.0
Cr		0.0	41.9
E		0.2	41.7
TP 11.99	53.71	0.20	41.72
	78+00		
E		8.8	44.9
Cr		8.5	45.2
W		9.0	44.7
	78+60.55	BC 275 R. 32°35' R.	
W		5.5	48.2
Cr		5.1	48.6
E		5.0	48.7
	79+00		
E		1.9	48.8
Cr		4.5	49.2
W		4.7	49.0

		58.71		
		79+50		
W			3.1	48.6
CL			4.8	48.9
9E			5.3 4.0	48.4 49.1
12E			3.7	50.0
		80+00		
12E			2.6	50.1
10E			3.8 4.5	49.9 49.2
CL			4.7	49.0
W			4.7	49.0
		80+06.72 EC		
W			4.8	48.9
CL			4.5	49.2
10E			4.3 3.6	49.4 50.1
12E			3.6	50.1
		80+50		
E			3.6	50.1
CL			3.2	50.5
W			3.5	50.2
		81+00		
W			2.0	51.7
CL			1.5	52.2
9E			1.5	52.2
12E			2.4	51.3
TP	11.97	65.42	0.26	53.45

		65.42		
		81+50		
E			11.2	54.2
CL			11.2	54.2
W			11.8	53.6
		82+00		
W			8.6	56.8
CL			7.9	57.5
E			7.9	57.5
		82+15.71 BC 600'R 50°03½' Lt		
E			6.8	58.6
CL			6.9	58.5
W			7.6	57.8
		82+50		
W			5.2	60.2
CL			4.6	60.8
E			4.4	61.0
		83+00		
E			0.5	64.9
CL			0.6	64.8
W			1.3	64.1
TP	12.09	76.73	0.78	64.64
BM Hydt Post Sta		83+05	10.24	66.49
		83+50		
W			9.0	67.7
CL			8.6	68.1
5E			8.6 8.6	68.1 70.1
12E			5.9	70.8

		76.73		
		84+00		
12E			2.5	74.2
			4.2	72.5
2E			6.2	70.5
CV			6.4	70.3
W			6.6	70.1
		84+42		
W			5.0	71.7
CV			5.0	71.7
12E	top of Heading	8" culvert	5.3	71.4
12E	bottom of inlet		8.2	68.5
		85+00		
12E			0.2	76.5
			4.1	75.6
8E			3.7	73.0
CV			3.7	73.0
W			4.0	72.7
T.P.			2.19	74.57
T.P.	11.59	78.08		66.49
		85+50		
12E			+0.2	78.3
9E			0.6	77.5
7E			3.6	74.5
CV			3.4	74.7
W			3.9	74.2
		86+00		
W			2.4	76.1
CV			1.9	76.2
5E			1.9	76.2

		78.08		
T.P.	12.63	90.25	0.96	77.62
7E			10.5	79.7
12E			9.2	81.0
		86+50		
12E			6.2	84.0
7E			9.6	80.6
3E			12.0	78.2
CV			11.9	78.3
W			12.4	77.8
		87+00		
W			10.1	80.1
CV			9.7	80.5
			9.5	80.7
5E			5.2	85.0
12E			3.7	86.5
		87+39	23 EC	
12E			3.5	86.7
			4.6	85.6
7E			5.4	81.8
CV			8.7	81.5
W			9.3	80.9
		87+50		
W			9.0	81.2
CV			8.5	81.7
			8.3	81.9
7E			5.2	85.0
12E			4.8	85.4

		90,25		
		88+00		
12 E			3.2	87.0
10 E			6.2	84.0
Cr			6.6	83.6
W			6.9	83.3
		88+13 40 BC 600 R 11 20' R		
W			6.3	83.9
Cr			6.0	84.2
E			6.2	84.0
		8" culvert Sta 88+16		
Top of inlet wall			6.6	83.6
bottom of pipe			9.6	80.6
		88+50		
E			4.8	85.4
Cr			4.7	85.5
W			5.1	85.1
		89+00		
W			2.5	87.7
Cr			2.3	87.9
E			2.6	87.6
TP	12.74	102.46 ✓	0.53	89.72 ✓
		89+32 45 EC		
E			12.2	90.3
Cr			12.3	90.2
W			12.4	90.1

		102.46		
		89+50		
W			10.8	91.7
Cr			10.8	91.7
9 E			10.9	91.6
12 E			5.0	97.5
		90+00		
12 E			+0.8	103.3
9 E			6.6	95.9
Cr			6.9	95.6
W			7.3	95.2
		90+50		
W			3.6	98.9
Cr			3.2	99.3
9 E			3.2	99.3
12 E			+2.6	105.1 ✓
		91+00		
12 E			+8.0	110.5 ✓
8 E			0.0	102.5
Cr			0.0	102.5
W			+0.3	102.8 ✓
TP	12.60	114.84 ✓	0.22	102.24 ✓
		91+50		
12 E			3.8	111.0
7 E			9.9	104.9
Cr			9.3	105.5
W			9.2	105.6

	114.84		
	92+00		
W		5.6	109.2
CL		5.7	109.1
7E		6.0	108.8
10E		0.3	114.5
12E		+0.3	115.1
	92+30 PC 80 R 71°38' R		
12E		0.3	114.5
7E		3.8	111.0
CL		3.6	111.2
W		3.4	111.4
	92+55		
W		5.9	113.9
CL		1.9	112.9
7E		2.3	112.5
12E		+1.4	116.2
	92+80		
W		+0.6	115.4
CL		0.2	114.6
6E		0.4	114.4
12E		+5.4	120.2
TP	12.78 / 127.41	0.21	114.63
Hub. IR of curve		11.56	115.85
	93+05		
W		10.4	117.0
CL		11.2	116.2
2.E		11.2	116.2

	127.41		
7E	26		124.8
12E	1.0		126.4
	93+30 EC		
12E	0.0		127.4
7E	1.9		125.5
5E	9.9		117.5
CL	9.7		117.7
W	8.9		118.5
TP	4.67 / 132.25	1.83	/ 25.58
	93+82.5 PC 600 R 18°00' R		
W	11.0		121.2
CL	11.2		121.0
6E	11.1		121.1
9E	4.0		128.2
12E	0.0		132.2
	94+00		
12E	+2.3		134.5
10E	+1.8		133.5
7E	9.7		122.5
CL	9.9		122.3
W	9.9		122.3
	94+25		
W	7.8		124.4
CL	7.6		124.6
7E	7.3		124.9
9E	+3.7		135.9
12	+4.7		136.9

		132.25		
		94+50		
12 E			+7.8	140.0
9 E			+7.0	139.2
6 E			6.0	126.2
cr			6.0	126.2
W			5.7	126.5
		94+75		
W			4.3	127.9
cr			4.3	127.9
7 E			4.3	127.9
10 E			+8.7	140.9
12 E			+9.5	141.7
		95+00		
12 E			+11.4	143.6
11 E			+10.6	142.8
8 E			2.8	129.9
cr			2.6	129.6
W			2.8	129.4
		95+25		
W			0.8	131.4
cr			1.0	131.2
9 E			0.8	131.4
12 E			+6.0	138.2
T.P.	937	141.57	0.05	132.20

141.6

141.57

	95+50		
12 E	4.8		136.8
11 E	5.0		136.6
cr	5.1		136.5
W	5.1		136.5
	95+71.25 EC		
W	8.3		133.3
cr	8.0		133.6
E	8.0		133.6
	95+88.8 EC 60 R 172°51'L		
E	6.8		134.8
cr	7.2		134.4
W	7.4		134.2
	96+13 ±		
W	6.8		134.8
cr	6.1		135.5
E	6.9		135.7
	96+38 ±		
E	6.6		136.0
cr	6.1		135.5
W	7.0		134.6
	96+63 ±		
W	6.7		134.9
cr	6.8		135.8
E	6.1		136.5

		141.6		
		141.57		
		96+88	8	
E			4.7	136.9
Cr			5.3	136.3
W			6.4	135.2
		97+13	8	
W			6.2	135.4
Cr			5.4	136.2
E			4.8	136.8
		97+38	8	
E			5.8	135.8
Cr			6.0	135.6
W			6.5	135.1
		97+69	8 EC	
W			5.5	136.1
Cr			4.9	136.7
10E			4.9	136.7
12E			2.1	139.5
TP	11.33	149.47	3.43	138.14
		98+00		
12E			4.0	145.5
7E			11.8	137.7
Cr			11.8	137.7
W			11.6	137.9
		98+31	85 BC 110R 98+12 R	
W			10.3	139.2
Cr			10.4	139.1
8E			10.6	138.9
12E			4.5	145.0

	149.47		
	98+50		
12E		6.8	142.7
10E		9.8	139.7
Cr		9.6	139.9
W		9.4	140.1
	98+75		
W		7.3	142.2
Cr		7.7	141.8
10E		8.2	141.3
12E		4.1	145.4
	99+00		
E		6.6	142.9
Cr		6.1	143.4
W		6.3	143.2
	99+25		
W		4.3	145.2
Cr		4.6	144.9
E		5.3	144.2
	99+50		
E		4.4	145.1
Cr		3.9	145.6
W		3.4	146.1
	99+75		
W		2.2	147.3
Cr		2.8	146.7
E		3.1	146.4

			149.47	
		11.89	160.41	148.52
E	E		100+00	
CL	E		12.1	148.3
W	CL		12.1	148.3
	W		12.2	148.2
W			100+21.34 EC	
CL	W		11.1	149.3
E	CL		10.6	149.8
	E		10.7	149.7
E			100+50	
CL	E		9.0	151.4
W	CL		9.0	151.4
	W		9.4	151.0
W			101+00	
CL	W		6.3	154.1
10E	CL		6.1	154.3
12E	E		6.3	154.1
TP			101+50	
	E		2.7	157.7
12E	CL		2.8	157.6
7E	W		3.0	157.4
CL			102+00	
W	W		+0.1	160.5
	CL		0.0	160.4
W	10E		0.2	160.2
CL	12E		+2.1	162.5
8E	TP		0.67	159.74
12E				

See book 978 p64.
for x sections Sta 92 to 100
account changes of line

775
419.38
1194.68
66.37
1261.05

1262.36

Continued in Book 931