

1445

PASTS

*Division of Water Resources*  
*M 6874*

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*ENGINEERING and DRAFTING SUPPLIES*  
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JUL 23 1964

7.86  
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12  
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7166

Index

- 1-12 Levels for Ball-field - foot of 13<sup>th</sup> St.
- 13-19 Profile of Canyon Way - South of Robinson Ave.
- 21-25 Topography No. 1 Tee, Golf Course - Balboa Park.

# Levels for proposed ball field at the foot of 13th st.

Base Line = 0+00 (see sketch)

Stations are along lines A, B, C, etc. 50' apart

Shots between the lines will be marked +0' w. all +s ahead in a westerly direction parallel to the base line.

B.M.	N.W. B.P. 16 <sup>th</sup> & Newton	1.82
	+ 8.83	10.65
	H.I.	- 6.54
	+ 4.65	8.76

## Line A

0+00	base line		
+ 3.7' w.	= w. rail of R.R. track	4.48	4.28
+ 25' w.		4.3	4.5
0+50			
+ 6.2' w.	= w. rail	4.32	4.44
1+00			
+ 12' w.	= w. rail	4.33	4.43
+ 32' w.		3.2	3.5
1+50			
+ 27' w.	= w. rail	4.40	4.36

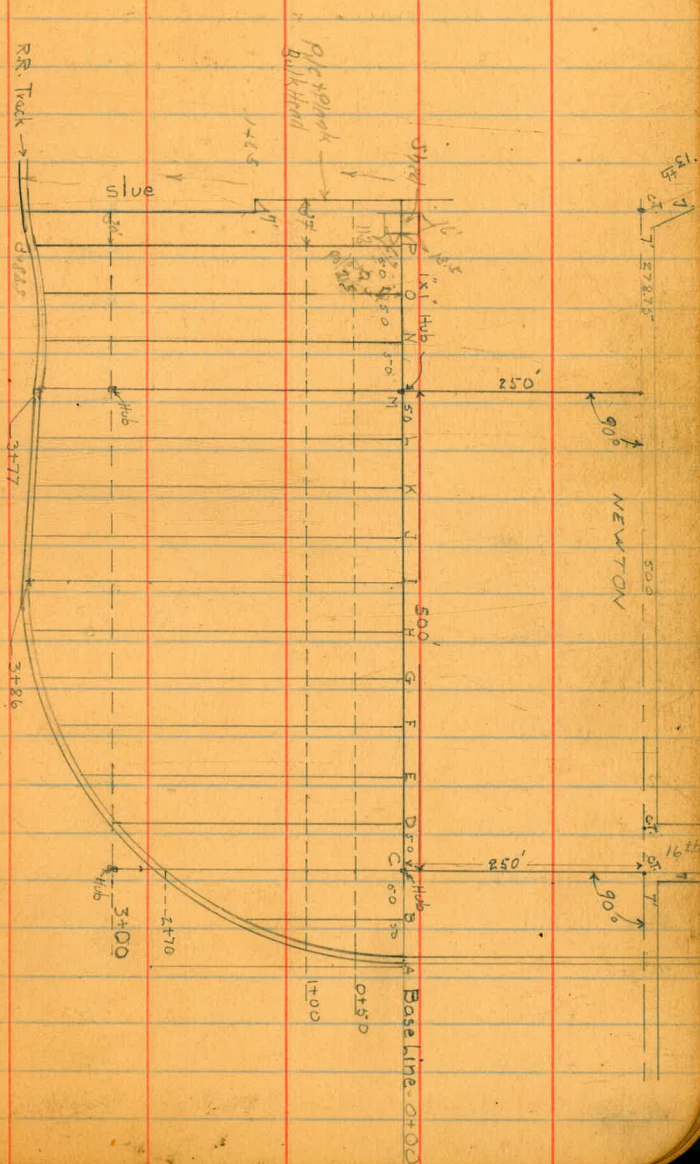
## Line B

2+00.5	= w. rail	4.76	4.00
1+50		4.7	4.1
1+00		4.1	4.7
0+50		3.9	4.9

Reduced by  
borough

3/16/32  
Osborne  
Sprammeyer  
Isbell  
Shea

1



H.I.

8.76

2

a+00 = Baseline line "C"	4.5	4.3
a+00	4.7	4.1
-0+37	5.1	3.7
0+50	3.9	4.9
+13'w.	4.9	3.9
1+00	4.0	4.8
1+50	4.5	4.3
1+80	4.5	4.3
1+86	6.0	2.8
1+93	6.0	2.8
+25'w.	6.3	2.5
+32'w.	4.7	4.1
2+00	5.9	2.9
+30'w.	6.4	2.4
2+22		
+34'w.	6.2	2.6
2+50	6.2	2.6
2+70.5 = W. rail line "D"	5.46	3.30
3+16 = N. rail	5.72	3.04
3+00	6.5	2.3
+30'w.	6.7	2.1
+36'w.	9.4	-0.6
2+50	6.3	2.5

	8.76		
	+12'w.	7.2	1.6
	+18'w. = edge slue	9.4	-0.6
	+30'w. = $\frac{1}{2}$ slue-water / deep	10.4	-1.6
	+40'w. = edge slue	9.4	-0.6
2+35		6.3	2.5
2+25		8.6	0.2
	+10'w. = edge slue	9.4	-0.6
	+20'w. = $\frac{1}{2}$ slue	10.2	-1.4
	+30'w. = edge slue	9.2	-0.4
	+38'w.	7.5	1.3
2+00		8.0	0.8
1+88		8.3	0.5
	+15'w. = edge of slue	9.7	-0.9
	+27'w. = $\frac{1}{2}$ slue.	10.2	-1.4
1+80		4.4	4.4
	+13'w.	5.0	3.8
	+17'w.	8.4	0.4
1+50		4.7	4.1
	+19'w.	4.7	4.1
	+22'w.	7.2	1.6
	+40'w. edge of slue	8.5	0.3
1+40		6.1	2.7
	+19'w.	7.3	1.5
	+27'w.	8.4	0.4
1+32		5.6	3.2

	876			1+42	9.90 9.00			4	
	+25'w.		6.0	2.8		+14w.	7.7	2.2	
	+35'w.		8.4	0.4	1+50		10.4	-0.5	
1+18			6.3	2.5		+11'w.	7.6	2.3	
	+41'w.		8.8	0.0	2+00		8.4	1.5	
1+00			4.4	4.4	2+25		7.9	2.0	
	+18'w.		4.9	3.9		+20'w	8.8	1.1	
0+50			4.3	4.5	2+50		8.6	1.3	
	+20'w.		4.0	4.8		+25'w.	9.3	0.6	
	+40'w. - slue		8.9	-0.1	2+76		8.8	1.1	
0+00			5.0	3.8		+11'w.	8.6	1.3	
	+6'w.		5.2	3.6		+25'w.	9.6	0.3	
	+25'w. - slue - No water		8.6	0.2	3+00 =	F slue - water 1.5' deep - bottom		11.9	-2.0
	+31'w. - slue		8.5	0.3		+19'w.	8.2	1.7	
	+40'w.		4.5	4.3	3+18	= edge slue		10.7	-0.8
T.P.			-4.24	4.52 3.62	3+24		8.5	1.4	
	5.38	9.90 9.00			3+47.1	= N. rail		7.40	2.50
	"E" line					"F" line			
0+00			5.2	4.7	3+66.5	= N. rail		7.60	2.3
0+16			5.9	4.0	3+43		8.4	1.5	
0+50	- slue		10.0	-0.1	3+38	= slue		10.3	-0.4
	+12'w.		6.8	3.1	3+26		9.2	0.7	
0+70	- slue		10.0	-0.1		+20'w. = F 5.5' x 2.3 wooden Gate box 2' high - Union Oil Co.			
	+14'w.		5.5	4.4		+32'w.	8.4	1.5	
1+00	- slue		9.9	0.0	3+00		8.7	1.2	
	+10'w.		6.7	3.2	2+75		8.4	1.5	

9.90  
9.00

9.90  
9.00

5

	+40'w.	7.6	2.3		+23'w.	4.3	5.6
2+50		8.0	1.9	0+8.6		5.7	4.2
	+19'w. = 5.5' x 2.3' Gate box 1' high				+16'w.	7.0	2.9
2+25		6.5	3.4	1+00		6.7	3.2
2+00		6.1	3.8	1+25		7.3	2.6
	+25'w.	6.1	3.8	1+50		5.6	4.3
1+70		6.3	3.6		+37'w.	5.0	4.9
	+18'w. = 5.5' x 2.3' Gate box 8" high			2+00		6.4	3.5
	+23'w.	6.2	3.7	2+50		6.7	3.2
1+50		5.2	4.7	T.P.		- 5.38	4.52 5.62
	+15'w.	6.6	3.3		+43.6		8.88 7.98
1+21		6.6	3.3	2+65		6.0	2.9
	+26'w.	7.2	2.7	2+78		4.9	4.0
1+00		5.6	4.3		+28'w.	6.4	2.5
	+18'w.	6.6	3.3	3+00		7.0	1.9
	+29'w.	5.9	4.0		+21'w.	6.3	2.6
0+68		5.2	4.7	3+40		8.0	0.9
	+22'w.	5.4	4.5	3+50 - sluc		10.2	-1.3
0+50		6.1	3.8	3+60		7.8	1.1
	+20'w.	5.2	4.7	3+20 = N. rail		6.53	2.35
0+00		5.6	4.3	"H" line			
	"G" line			3+85.7 = N. rail		6.28	2.60
0+00		3.8	6.1	3+70		8.5	0.4
0+50		5.4	4.5	3+55 - sluc - water .5' deep		10.9	-2.0
0+63		3.0	4.9	3+45		8.3	0.6



8.88  
7.98

3+10		6.3	2.6
3+00		6.8	2.1
2+50		6.3	2.6
2+00		5.3	3.6
1+50		4.1	4.8
1+29		4.1	4.8
1+00		5.3	3.6
	+25'w	3.6	5.3
0+50		3.3	5.6
0+48		3.2	5.7
0+14		3.5	5.4
0+00		3.2	5.7
	"I" line		
0+00		3.1	5.8
0+26		3.5	5.4
	+38'w	3.7	5.2
0+34			
	+29'w	3.7	5.2
0+50		3.5	5.4
	+21'w	3.0	5.9
	+28'w	4.4	4.5
0+65		3.7	5.2
	+18'w	4.5	4.4
1+00		5.0	3.9
1+20		4.2	4.7

8.88  
7.98

6

	+30'w	3.8	5.1
1+50		4.4	4.5
	+25'w	3.8	5.1
2+00		5.1	3.8
	+25'w	5.0	3.9
2+25		5.6	3.3
	+30'w	5.1	3.8
2+50		5.5	3.4
	+25'w	5.5	3.4
2+75		6.0	2.9
	+20'w	5.7	3.2
3+00		6.6	2.3
3+07		6.1	2.8
3+45		8.3	0.6
3+57	slue-water 1' deep	11.3	-2.4
3+70		8.2	0.7
3+26.1	= N. rail	6.29	2.59
	"J" line		
3+83.7		6.35	2.53
3+70		7.7	1.2
3+60	edge of slue	11.2	-2.3
3+85	slue - water 1.5' deep	11.5	-2.6
3+50	edge of slue	10.3	-1.4
3+40		7.4	1.5
3+10		7.7	1.2

8.88  
7.98

	+12'w	8.0	0.9
	+15'w	6.4	2.5
3+00		6.7	2.2
2+75		6.8	2.1
2+50		6.1	2.8
2+25		5.3	3.6
	+15'w	6.9	2.0
2+10		5.3	3.6
	+25'w	7.0	1.9
2+00		5.0	3.9
	+25'w	6.9	2.0
1+80		4.7	4.2
	+35'w	6.4	2.5
1+65		4.2	4.7
	+15'w	6.2	2.7
1+50		4.0	4.9
	+12'w	4.1	4.8
	+20'w	5.4	3.5
1+35		3.7	5.2
	+20w	4.1	4.8
	+27'w	5.1	3.8
1+15		5.3	3.6
	+27'w	6.1	2.8
1+00		5.0	3.9
	+27'w	4.3	4.6

8.88  
7.98

7

	+32'w	5.8	3.1
0+85		4.9	4.0
	+22'w	5.5	3.4
	+35'w	4.6	4.3
0+65		4.8	4.1
	+30'w	5.4	3.5
	+40'w	4.7	4.2
0+50		4.4	4.5
	+10'w	4.8	4.1
	+30'w	5.0	3.9
	+40'w	4.2	4.7
0+35		1.7	7.2
	+20'w	4.8	4.1
0+30		3.6	5.3
0+00		3.4	5.5
	"K" line		
0+00		3.9	5.0
0+20		3.6	5.3
0+25		4.7	4.2
0+50		4.9	4.0
	+25'w	5.5	3.4
0+75		5.3	3.6
	+30'w	5.6	3.3
1+00		6.0	2.9
1+10		5.9	3.0

8.88  
7.98

1+35	+35' W.	5.7	3.2
1+25		5.8	3.1
	+30' W.	4.1	4.8
	+40' W.	5.9	3.0
3+35		5.8	3.1
	+30' W.	5.7	3.2
1+50		5.9	3.0
1+75		6.6	2.3
	+25' W.	6.7	2.2
2+00		6.4	2.5
2+13		6.3	2.6
	+40' W.	7.4	1.5
2+25		7.2	1.7
2+50		6.6	2.3
2+65		6.4	2.5
3+00		7.0	1.9
3+11		5.7	3.2
	+20' W.	5.5	3.4
	+25' W.	7.0	1.9
3+25		6.7	2.2
	+20' W.	5.1	3.8
3+40		6.2	2.7
3+50		9.9	- 1.0
3+55 =	slue-water 1' deep	10.9	- 2.0
3+63		10.3	- 1.4

8.88  
7.98

8

3+71		6.9	2.0
3+81.6 =	N. rail	6.27	2.61
	" L" line		
3+79.3 =	N. rail	6.21	2.67
3+70		6.9	2.0
3+60	- slue - no water	10.6	- 1.7
3+50		8.7	0.2
3+45		6.2	2.7
3+25		4.7	4.2
3+00		6.8	2.1
2+50		6.6	2.3
2+00		6.5	2.4
1+65		6.4	2.5
1+50		6.0	2.9
1+20		5.6	3.3
1+00		5.4	3.5
0+90		5.2	3.7
0+85		5.2	3.1
0+50		5.6	3.3
	+25' W.	5.9	3.0
0+25		4.7	4.2
	+20' W.	4.8	4.1
0+00		3.4	5.5
	+30' W.	3.9	5.0
T.P.		- 6.34	2.54

	+5.98	8.52		
	"M" line	7.62		
0+00			4.6	3.9
0+50			4.7	3.8
	+30' W.		4.8	3.7
0+60			4.9	3.6
	+27' W.		5.4	3.1
	+35' W.		4.4	4.1
0+75			4.6	3.9
	+35' W.		5.2	3.3
1+00			5.0	3.5
	+35' W.		5.6	2.9
1+10			5.2	3.3
	+10' W.		5.5	3.0
	+35' W.		5.6	2.9
	+40' W.		4.5	4.0
1+30			5.3	3.2
1+50			5.5	3.0
1+75			6.1	2.4
	+30' W.		5.2	3.3
2+00			6.5	2.0
	+25' W.		6.2	2.3
2+50			6.5	2.0
2+75			6.4	2.1
	+40' W.		6.5	2.0

		8.52		
		7.62		
			3+00	
				6.0
				2.5
				6.6
				1.9
			3+38	
				5.3
				3.2
			3+45	
				7.1
				1.4
			3+52	- Slope - No water
				10.7
				- 2.2
			3+70	
				6.3
				2.2
			3+77.1	= N.rail
				5.72
				2.80
				"N" line
			3+76.9	= N.rail
				5.65
				2.87
			3+70	
				6.4
				2.1
			3+58	Slope
				11.4
				- 2.9
			3+50	
				8.8
				- 0.3
			3+35	
				6.0
				2.5
			3+25	
				6.5
				2.0
			3+00	
				6.1
				2.4
				+15' W
				6.6
				1.9
			2+80	
				5.6
				2.9
				+20' W.
				6.8
				1.7
			2+65	
				5.9
				2.6
				+20' W.
				5.3
				3.2
				+25' W.
				6.5
				2.0
			2+50	
				6.5
				2.0
				+15' W.
				6.5
				2.0
				+20' W.
				5.4
				3.1
				+27' W.
				6.5
				2.0

8.52  
7.62

2+40		6.6	1.9
2+35		5.5	3.0
2+29		6.2	2.3
2+15		6.1	2.4
2+10		6.3	2.2
	+5' W.	4.4	4.1
2+00		6.0	2.5
	+7' W.	4.2	4.3
	+32' W.	4.1	4.4
	+40' W.	6.0	2.5
1+90		5.7	2.8
	+40' W.	6.0	2.5
1+70		5.1	3.4
	+25' W.	6.2	2.3
1+50		4.2	3.7
1+25		4.4	4.1
1+00	+25' W.	4.6	3.9
1+00		4.1	4.4
0+90		4.0	4.5
0+75		5.1	3.4
0+65		4.2	4.3
0+50		4.2	4.3
0+35		3.8	4.7
0+20		5.1	3.4
0+00		4.9	3.6

8.52  
7.62

"O" line

0+00		5.0	3.5
0+35		4.9	3.6
0+50		4.3	4.2
	+10' W.	5.1	3.4
	+30' W.	5.1	3.4
0+60		3.8	4.7
0+65		4.7	3.8
0+75		3.6	4.9
1+00		4.4	4.1
T.P.		5.98	2.54 1.64
BM NXP	7.01	8.83	1.82
TP	4.94	8.67	3.17
1+25		4.6	4.0
	25' W.	4.7	3.9
1+40		4.8	3.8
1+50		5.6	3.0
	25' W.	6.1	2.5
1+75		6.0	2.6
2+0		6.2	2.4
	25' W.	6.6	2.0
2+25		6.2	2.4
2+50		6.6	2.0
	25' W.	6.7	1.9

3-21-32  
L. M. ...  
S. ...  
C.B. ...

10

	86	
2+95	6.6	2.0
25W	7.4	1.2
3+0	7.4	1.2
2+15	6.6	2.0
15W	7.9	0.7
40W	7.9	0.7
3+38	7.2	1.4
15W	8.7	-0.1
40W	9.4	-0.8
3+45	9.0	-0.4
3+51 = 1 1/4 Edge Slough	11.9	-3.3
20W = Bottom Slough	12.6	-4.0
3+54 = Bottom Slough	13.0	-4.4
3+58	11.4	-2.8
25W	9.5	-0.9
3+70	6.6	2.0
25W	6.5	2.1
3+81 = Top Rail of Siding	5.87	2.74

P Line	86	11
2+82 = Top Rail of Siding	5.82	2.79
3+76	6.5	2.1
2+66	7.8	0.8
30W Top B.H.	7.34	1.27
30W Bottom Slough	13.5	-4.9
3+58 = 5/4 Edge Slough	11.1	-2.5
30W Open in B.H.	13.5	-4.9
3+45 = Bottom Slough	13.0	-4.4
3+35 = 1 1/4 Edge Slough	11.2	-2.6
3+25	9.2	-0.6
30W	12.9	-4.3
3+10	7.8	0.8
30W	9.8	-1.2
3+0	7.7	0.9
30W = Top Bulkhead	7.4	1.2
30W Bottom Slough	13.6	-5.0
2+75	7.5	1.1
2+50	7.4	1.2
30W Top B.H.	7.5	1.1
Bottom Slough	13.6	-5.0
2+30	6.9	1.7
2+20	5.5	3.1
10W	5.3	3.3
18W	6.9	1.7
30W Top B.H.	7.4	1.2

861				861			
2+0		6.4	2.2	37' N = Top BH	7.4		1.2
	14' N	5.6	3.0	0+25	5.4		3.2
	15' N	7.2	1.4	0+0 on Slugs	5.76		2.85
	35' N - Top BH	7.5	1.1	37' N - Top BH	7.4		1.2
	30' Bottom Slugs	14.6	-6.0	37' N = Bottom Slugs	14.7		-6.1
1+75		6.4	2.2	TP 401	8.93	3.28	4.92
1+65		6.9	1.9	BM		7.10	1.83
	30' N - Top BH	7.5	1.1				
1+50		6.2	2.4				
	15' N	6.9	1.7				
1+25		5.4	3.2				
	30' N	6.5	2.1				
	37' N - Top BH	7.3	1.3				
	37' N Bottom Slugs	13.6	-5.0				
1+0		4.6	4.0				
	25' N	5.3	3.3				
	37' N - Top BH	7.4	1.2				
0+75		4.7	3.9				
0+65		4.1	4.5				
	15' N	5.4	3.2				
	37' N Top BH	7.4	1.2				
0+60		5.5	3.1				
0+50		4.6	4.0				
	10' N	6.0	2.6				
	25' N	6.5	2.1				

11/15/80  
11/15/80  
183

9<sup>th</sup> St. - Robinsen Ave to Balboa Park

Pierce  
Brookes  
Walton

June 20, 1932

13

3 line profile of proposed 30' road.  
For alignment See Book 1446 - Pg. 30

252.20<sup>+</sup>

W.L. Grading

End parez B.C. 12.48 239.72<sup>✓</sup>

+5  $\frac{1}{2}$  wash 12.6 39.6

+12.18 on curve 12.2 40.0

+16 12.0 40.2

+24.37 E.C. 7.5 44.7

+43.88 5.1 47.1

+73 8.5 43.7

+100 10.0 42.2

+13.88 = Sta H10.06 $\frac{1}{2}$  8.2 44.0

+25 8.0 44.2

+32 in rdwy. 12.4 39.8

+48.98 E.C. (opp E.L.) 13.2 39.0

T.P. 1.54 241.29<sup>+</sup> 12.45 239.75<sup>✓</sup>

E.L. Grading

End Parment 12.55 239.65<sup>✓</sup>

E. Part 22.5  $\frac{1}{2}$  wash 13.8 38.4

End P. +68.88 B.C. 12.1 40.1

$\frac{1}{2}$  on curve 12.6 39.6

$\frac{1}{2}$  on curve +10.5 12.6 39.6

$\frac{1}{2}$  Grading

0+00 on pr. 12.96 39.24

0+13  $\frac{1}{2}$  wash 13.6 38.6

0+50 12.2 40.0

0+75 10.5 41.9

1+10.06 A 10.9 41.3

1+44 12.5 39.7

1+48.98 E.C. (on E.L.) 14.4 39.8

~~1~~+48.98

15' E. 9.9 231.4

1+73

$\frac{1}{2}$  8.8 32.5

1+97

$\frac{1}{2}$  6.4 34.9

B.M.-B.P  
N.W.  $\frac{82}{4}$  Robinson

Prop. Hub N.W.  
cor. 9<sup>th</sup> & Robinson  
239.70



	241.29 $\checkmark$		
<u>2+25.38 B.C.</u>			
15 W.	4.6	236.7	
$\phi$	4.8	36.5	
15 E	9.7	31.6	
<u>1/2 on arc</u>			
15 E	9.9	31.4	
$\phi$	6.1	35.2	
15 W. in rd.	5.3	36.0	
<u>2+74.04 E.C.</u>			
15 W. in rd.	6.2	35.1	
$\phi$	7.7	33.6	
15 E.	12.1	29.2	
<u>3+00.69 B.C.</u>			
15 E	14.7	26.6	
$\phi$	12.2	29.1	
15 W. in rd.	6.6	34.7	
<u>1/2 on arc</u>			
15 W. in rd.	7.4	33.9	
$\phi$	15.6	25.7	
15 E ( $\phi$ ditch)	19.0	22.3	

	241.29 $\checkmark$		
<u>3+47.28 E.C.</u>			
15 E (in ditch)	19.6	21.7	
$\phi$	17.5	23.8	
15 W (in rd)	9.2	32.1	
<u>3+69 <math>\phi</math> (in ditch)</u>	19.6	21.7	
$\phi$ (top bank)	12.9	26.4	
<u>3+72</u>			
15' E (in ditch)	21.1	20.2	
<u>3+74</u>			
15' E (top bank)	16.0	23.3	
<u>3+90.11 B.C.</u>			
15' E	16.2	25.1	
$\phi$ (in rd)	12.4	26.9	
15' W (in rd)	13.0	26.3	
T.P. 0.04	<u>228.59 <math>\checkmark</math></u>	12.74	228.55
<u>1/2 on curve</u>			
15' W. (in rd)	2.3	226.3	
$\phi$ (in rd)	1.7	26.9	
15' E.	4.9	23.7	

228.59 ✓

4+59.42 E.C

15 E (ditch)

ϕ

15 W (in rd.)

4+70.76 B.C

15 W (in rd.)

ϕ

15 E

1/4 Pt. on curve

15 E (ditch)

ϕ

15 W (in rd.)

1/2 Pt. on curve

15 W (in rd.)

ϕ

15 E

3/4 Pt. on curve

15 E

ϕ (in ditch)

15 W (in rd.)

5+96.03 E.C

15 W

ϕ

15 E

6+22 ϕ6+24 ϕ

6+50

15 W (in rd.)

ϕ (in rd.)

15 E

B.M. - Prop. Hub. N.W. cor

9<sup>#</sup> Penn. }

3.19

B.M. Top 1/2" Pipe  
in conc. man  
Sec. C. E. PL  
opp. Sta 7+56<sup>±</sup>

3.72

7+00

15 E

ϕ (in rd.)

15 W (in rd.)

228.59 ✓

10.0

18.6

12.7

15.9

11.8

16.8

12.7

15.9

10.9

17.7

12.5

16.1

12.0

16.6

13.1

15.5

4.88

223.71 ✓

226.90 ✓

11.72

215.18

218.90 ✓

5.0

213.9

4.4

14.5

4.9

14.0

9.1

219.5

4.7

23.9

4.2

24.4

4.7

23.9

5.8

22.8

8.7

19.7

9.2

19.4

8.6

20.0

6.4

22.2

7.7

20.9

10.0

18.6

10.0

18.6

10.7

17.9

12.8

15.8

8.8

19.8

	218.90 T ✓		
7+50			
15 W (in rd.)	6.1	212.8	
ϕ	5.3	13.6	
15 E	6.4	12.5	
7+56-15E	6.7	12.2	
7+59-15E	9.4	9.5	
7+72-15E	8.7	10.2	
7+73-15E	7.1	11.8	
7+99.71 B.C			
15 E	5.9	13.0	
ϕ	9.6	9.3	
15 W.	6.8	12.1	

	0.30	215.48 T	215.18
8+40.19 1/5 arc.			
15 W	3.6	211.9	
ϕ (F.L. ditch)	7.9	7.6	
15 E	3.7	11.8	
8+67-15E	6.4	9.1	
8+69-15E	8.8	6.7	
8+77-15E	9.0	6.5	
8+77-15E	6.2	9.3	

B.M. Top 1/2" Pipe  
Sec. C E.R.L.

	215.48 T		
8+50.8-ϕ (F.L. ditch)	8.4	209.1	
8+61.7-ϕ	7.0	8.5	
8+71-ϕ	5.0	10.5	
8+80.66 3/5 arc			
15 E	6.3	9.2	
ϕ	4.1	11.4	
15 W (in rd.)	5.0	10.5	
B.M.	3.83	211.65	Top Lower conc. step (N.E. cor.) 22' E. Sta. 8+76 211.65
9+21.14 9/5 arc.			
15 W.	5.5	10.0	
ϕ (in rd.)	4.8	10.7	
15 E.	6.8	8.7	
9+61.61 7/5 arc			
15 W (in rd.)	6.2	9.3	
ϕ	6.8	8.7	
15 E	8.3	7.2	
9+93-15E.	9.9	5.6	
10+02.08 E.C			
15 E. (F.L. Ditch)	12.0	3.5	
ϕ	9.0	6.5	
15 W. (in rd.)	6.9	8.6	
B.M.	7.40	206.08	206.07 Top 1" Iron Pipe in conc. mch. 18' S in E.R.L. N. of N.L. Brook - Sec. K.

	3.48	211.55	208.07	B.M.
10+19.04 B.C.				
15 E		4.9	206.7	
ϕ		6.0	5.6	
15 W		4.5	7.1	
10+25.5-ϕ		6.3	5.3	
10+35.5-ϕ (E.L. Ditch)		8.6	3.0	
10+42.5-ϕ		8.3	3.3	
10+44.5-ϕ		6.3	5.3	
1/2 on curve				
15 E		5.7	5.9	
ϕ		7.1	4.5	
15 W		4.1	7.5	
11+00.33 E.C.				
15 W (in rd.)		4.7	6.9	
ϕ		6.5	5.1	
15 E		9.4	2.2	
10+92-ϕ (E.L. Ditch)		10.0	201.6	
10+93-ϕ		7.0	4.6	

	211.55	
11+12-15 E	10.1	201.5
11+14-15 E	8.4	3.2
11+50		
15 E	9.3	2.3
ϕ (edg. rd.)	5.3	6.3
15 W	4.5	7.1
11+64.32 B.C.		
15 W	2.2	9.4
ϕ (in rd.)	5.3	6.3
15 E	10.0	1.6
1/2 on curve		
15 E	8.0	3.6
ϕ (in rd.)	5.4	6.2
15 W	3.0	8.6
12+19.39 E.C.		
15 W	4.8	6.8
ϕ (in rd.)	6.2	5.4
15 E	6.2	5.4
B.M.	2.63	208.92

B.M. 208.92  
 x in Brick steps  
 N.W. cor. 9th  
 & Brookes.

	0.77	<u>209.69</u>	<u>206.92</u>	B.M. <sup>x in</sup> Brick Steps
<u>12+50</u>				
15 W		3.9	205.8	
ϕ (in rd.)		6.6	3.1	
15 E		6.2	3.5	
<u>13+00</u>				
15 E		11.8	197.9	
ϕ		8.0	201.7	
15 W (in rd.)		8.6	201.1	
12+77-15 W		6.5	203.2	
12+78-15 W		7.9	201.8	
13+03-15 E (FL Ditch)		14.4	195.3	
13+12-15 E		13.4	196.3	
13+13-15 E		11.1	196.6	
13+18-ϕ		11.1	196.6	
13+21-ϕ (FL Ditch)		14.9	194.8	
<u>13+41.15 B.C</u>				
15 E		11.4	198.3	
ϕ		13.8	195.9	
15 W (in rd.)		10.0	199.7	

	T.P.	<u>209.69</u>	<u>10.00</u>
	2.57	<u>202.26</u>	<u>199.69</u>
<u>13+79.79</u>			
15 W (in rd.)		4.4	197.9
ϕ		8.3	94.0
15 E		5.8	96.5
<u>14+18.43</u>			
15 E		7.8	94.5
ϕ		4.8	97.5
15 W (in rd.)		5.7	96.6
14+10-ϕ (FL Ditch)		8.7	93.6
<u>14+57.08</u>			
15 W		3.0	99.9
ϕ (in rd.)		6.2	96.1
15 E		6.3	96.0
14+30-15 E (FL Ditch)		9.2	93.1
14+36-15 E		6.2	96.1

202.26X

14+95.72 E.C.

15 W 3.1 199.2

ϕ (in rd.) 6.9 95.4

15 E (in rd.) 6.3 96.0

15+50

15 W 4.0 96.3

ϕ (in rd.) 7.1 95.2

15 E (in rd.) 7.0 95.3

15+75.76 End line on B.C. (Prop L)

15 E (in rd.) 7.4 94.9

ϕ (in rd.) 7.3 95.0

15 W (in rd.) 7.0 95.3

15+90-15 W 6.9 95.4

15+67-15 W 4.6 97.7

B.M. 4.99 202.35 4.90 197.36

Top. 1" Iron Pipe  
in conc. room at  
E.C. in E.P.L.  
opp. Sta. 14+54

T.P. 9.89 209.57 2.67 199.68

B.M. 0.65 208.92

X in Brick Steps  
N.W. cor 9th  
Brookes  
208.92

20





228.50

A-30E	4.8	223.7
-43E (edg. bank)	4.6	223.9
66.5E	6.8	221.7
B-30E	5.0	223.5
39E (edg. bk)	4.8	223.7
60E	6.7	221.8
71E	7.7	220.8
30W	7.2	221.8
45W (edg. bk)	7.8	220.7
62	9.1	219.4
82.5	11.0	219.5
C-30W	7.0	221.5
36W (edg. bk)	7.6	220.9
59W	9.3	219.2
76.5W	11.3	219.2
30E	5.8	222.7
41E (edg. bk)	5.5	223.0
61	7.8	220.7
73	10.0	214.5

228.50

D - 30 E	6.1	222.4
- 45.5 E (edg. bk.)	6.5	222.0
71	10.7	217.8
76	13.2	215.3
30 W	7.3	221.2
42.5 W (edg. bk.)	7.7	220.8
68 W	10.3	216.2
82 W	12.3	216.2
E - 30 W	6.7	221.8
50 W (edg. bk.)	7.5	221.0
71 W	9.0	219.5
87.5 W	10.6	217.9
30 E	6.6	221.9
48 E (edg. bk.)	7.2	221.3
63 E	11.7	216.8
65 E	13.0	215.5
F - 30 E	8.0	220.5
35 E (edg. bk.)	8.1	220.4
53.5	14.3	214.2

	228.5		
F 30 W	8.3	220.2	
35.5 W (edg. bk)	8.1	220.4	
40.5 W	9.5	219.0	
51.3 W	13.2	215.3	

Sta.	Distance	Azimuth	Vert. L	Diff. El.	Elev.
□ (4's of Nail G) B.S. on Hub A -		Azimuth	to fort. of B.S.	H.I. 5.3	
B.M. Nail G.		0°-00'	5.33		221.2
					221.24
1	S.W. cor. wall on ground.	0°-00'	7.8	-2.5	218.7
2	N.W. cor. " " "	0°-00'	7.8	-4.5	216.7
3	4 wall	0°-00'	8.9	-3.6	217.6
4	N.E. cor. " " "	0°-00'	9.2	-3.9	217.3
5	∠ Pt. st. wall + curved wall	0°-00'	8.6	-3.3	217.9
6	cor. wall + 4 steps	0°-00'	8.5	-3.2	218.0
7	35'	91°-45'	12.6	-7.3	213.9
8	75=72'	91°-13'	-11°-37'	-14.8	206.4
9	106=95'	112°-39'	on 7.3 -19°-02' <sub>22.7</sub>	-34.7	186.5
10	78=71'	120°-46'	on 8.3 -18°-33' <sub>22.5</sub>	-26.5	194.7
11	69=59'	137°-22'	on 6.3 -22°-53' <sub>22.7</sub>	-25.7	195.5
12	67=59'	178°-58'	-19°-45'	-21.3	199.9
13	101=95'	216°-58'	-14°-22'	-24.3	196.9
14	84=80'	234°-08'	-12°-58'	-16.4	202.8
15	124=116'	235°-47'	on 8.3 -12°-43' <sub>26.8</sub>	-29.8	191.4
16	103=99'	247°-35'	on 6.3 -11°-42' <sub>20.4</sub>	-23.4	197.8

West end iron rail fence

Fence

East end fence

Sta.	Distance	Azimuth	Vert. $\angle$	Dif. El.	Elev.
					221.2
17	103 <sup>100</sup>	268°-17'	<sup>on 9.3</sup> -10°-02' <sub>10.7</sub>	-21.7	199.5
18	78 <sup>77</sup>	294°-52'	<sup>on 9.3</sup> -5°-10' <sub>9.0</sub>	-11.0	210.2
19	106 <sup>105</sup>	307°-10'	<sup>on 11.3</sup> -3°-06' <sub>5.7</sub>	-11.7	209.5
20	45'	276°-27'	<sup>0°-00'</sup> 11.6' rad	-6.3	214.9
21	36	229°-39'	<sup>0°-00'</sup> 14.4' rad	-9.1	212.1
22	37 <sup>32</sup>	173°-52'	-20°-22'	-12.0	209.2
23	39 <sup>34</sup>	138°-00'	-21°-38'	-13.3	207.9
24	53 <sup>48</sup>	112°-15'	-18°-34'	-16.0	205.2
25	59 <sup>56</sup>	258°-25'	-12°-06'	-12.1	209.1
26	72 <sup>68</sup>	232°-17'	-13°-16'	-16.0	205.2
27	66 <sup>61</sup>	213°-58'	-14°-53'	-16.4	204.8



154.31

Z			10.1	144.2
+A			10.2	144.1
+8 = Fly Shed			11.5	142.8
S			11.5	142.8
	89°F			
S			8.8	145.5
Z			9.0	145.3
H			7.4	146.9
+0.7 = Fly Shed				
	100°F			
H			6.9	147.4
Z			7.9	146.4
S			7.9	146.4
	150°F			
S			8.6	151.7
Z			8.4	151.9
+7			0.7	153.6
H			0.7	153.6
TP	12.39	166.09	0.61	153.70
	200°F			
H			6.1	160.0
Z			7.7	158.4
+7			8.2	157.9
S			7.8	158.3
	250°F			
S			3.3	162.8

166.09

Z				21	164.0
H				1.2	164.9
TP	5.25	170.22		11.2	164.97
	300°F				
H				2.8	167.4
Z				3.3	166.9
S				4.2	166.0
	350°F				
S				2.2	168.0
Z				1.6	168.6
H				0.9	169.3
	370°F				
H				1.3	168.9
Z				2.1	168.1
+9.1 = Fly Shed				2.5	167.7
	400°F				
S				3.5	166.7
+1.6 = Fly Shed used as GAIN				3.5	166.7
Z				3.2	167.0
H				2.0	168.2
	450°F				
H				4.8	165.4
Z				6.3	163.9
S				7.1	163.1
H				7.9	162.3

170.22

475 F

-10	11.0	159.2
S	9.8	160.4
$\frac{1}{2}$	8.2	162.0
H	6.8	163.4

500 F

H	11.7	158.5
$\frac{1}{2}$	13.0	157.2
S	13.8	156.4
+10	14.3	155.9

515 F

-15	19.6	150.6
S	15.9	154.3
$\frac{1}{2}$	14.2	156.0
H	12.0	158.2

540 F

H	10.3	159.9
$\frac{1}{2}$	13.2	157.0
S	15.3	154.9
+10	18.3	151.9

570 F

-5	15.5	154.7
S	14.4	155.8
$\frac{1}{2}$	12.0	158.2
H	10.0	160.2

170.22

600.00 F - 11.6.34<sup>th</sup> J.F.

H		10.6	159.6	
$\frac{1}{2}$		12.7	157.5	
S		14.5	155.7	
+5		15.3	154.9	
TP	1.05	158.53	12.74	157.48
TP	0.58	147.57	11.54	146.99
BN		9.72	137.84	

NE. Mon.  
CORVALLIS  
187.88

28





sta 6+05.25

Sta 6+45.2

7+22.75 Sprinkler Control Valve (to West)

8+41.5 - Basin Control to West

8+42.85

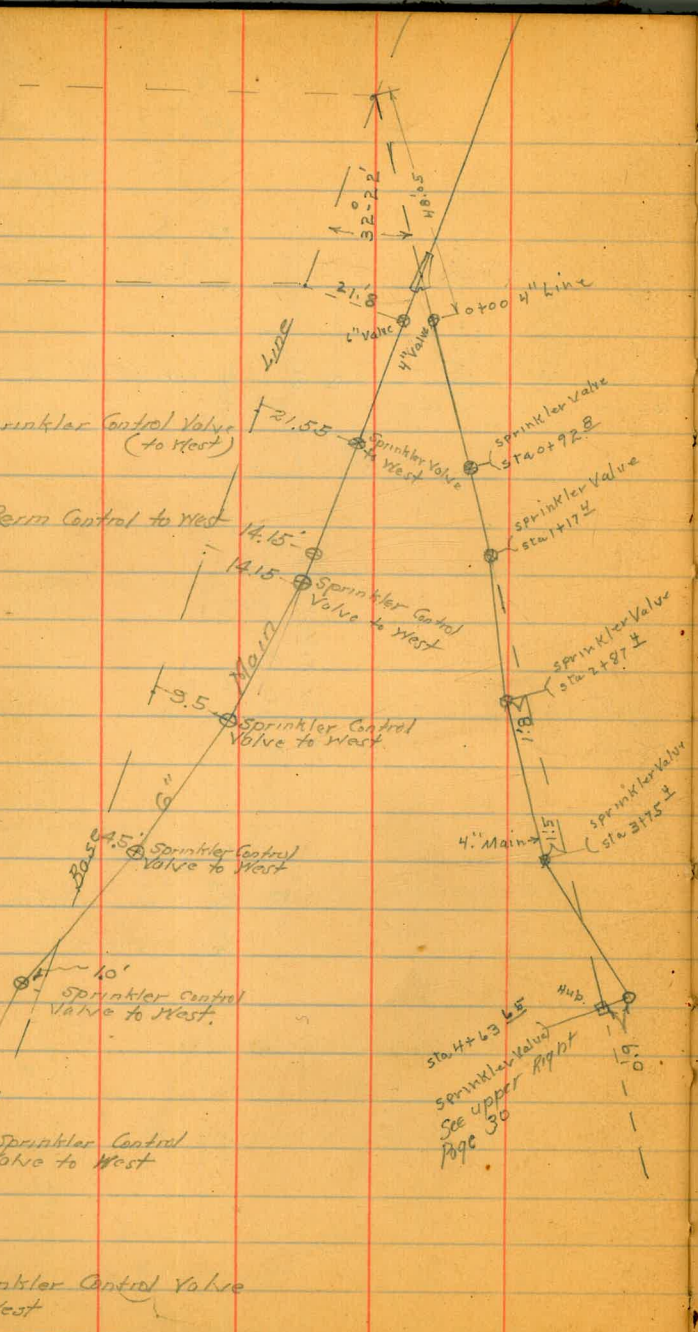
9+17.85

9+99.7

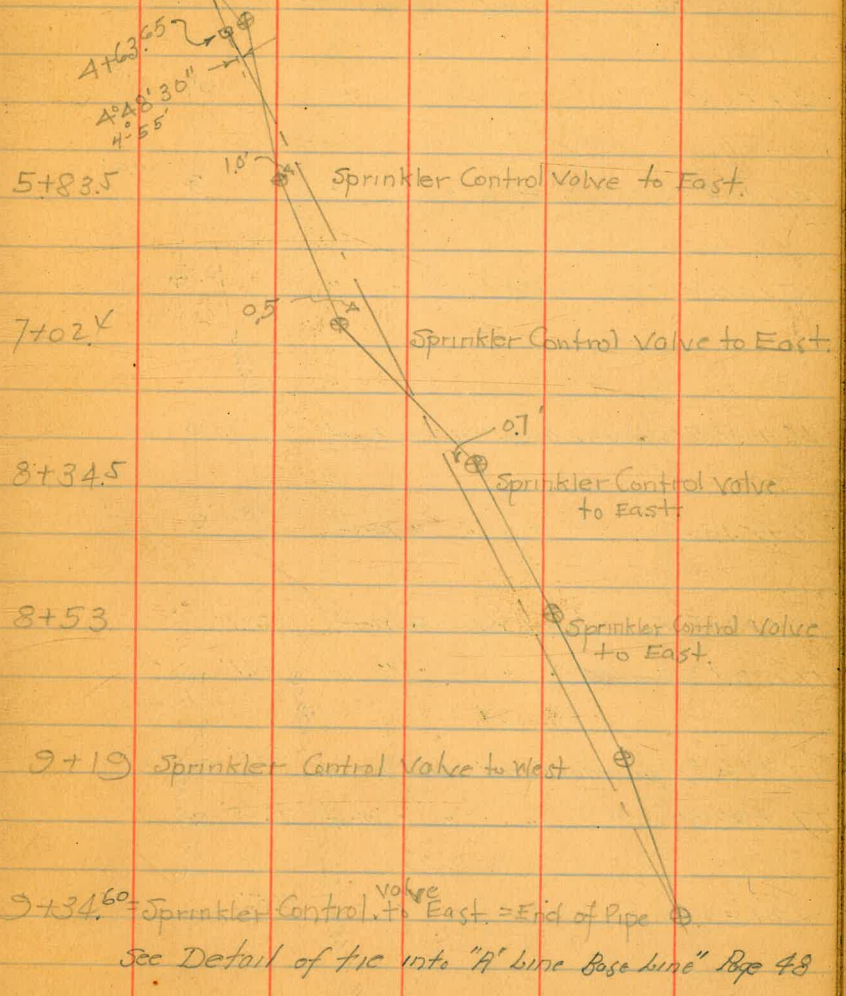
10+88.7

11+47

11+89 4" Sprinkler Control Valve to West



sta 4+63.65  
 Sprinkler Valve  
 See upper Page 30



5+83.5

7+02.4

8+34.5

8+53

9+19 Sprinkler Control Valve to West

9+34.60 = Sprinkler Control Valve to East = End of Pipe  
 see Detail of tie into "A" line Base Line" Page 48

"A" line base line

- Station 13+17.6 = 6" Tee to East
- 13+20.11 = Intersection Closing Line
- 13+22 = Sprinkler Control Valve to West

14+50.8 = " " " " "

14+77.6 = " " " " "

15+31.5 = " " " " "

16+30.5 = Sprinkler Control Valve to East

16+54.3 = " " " " West

17+38.85 = Berm Control Valve to West

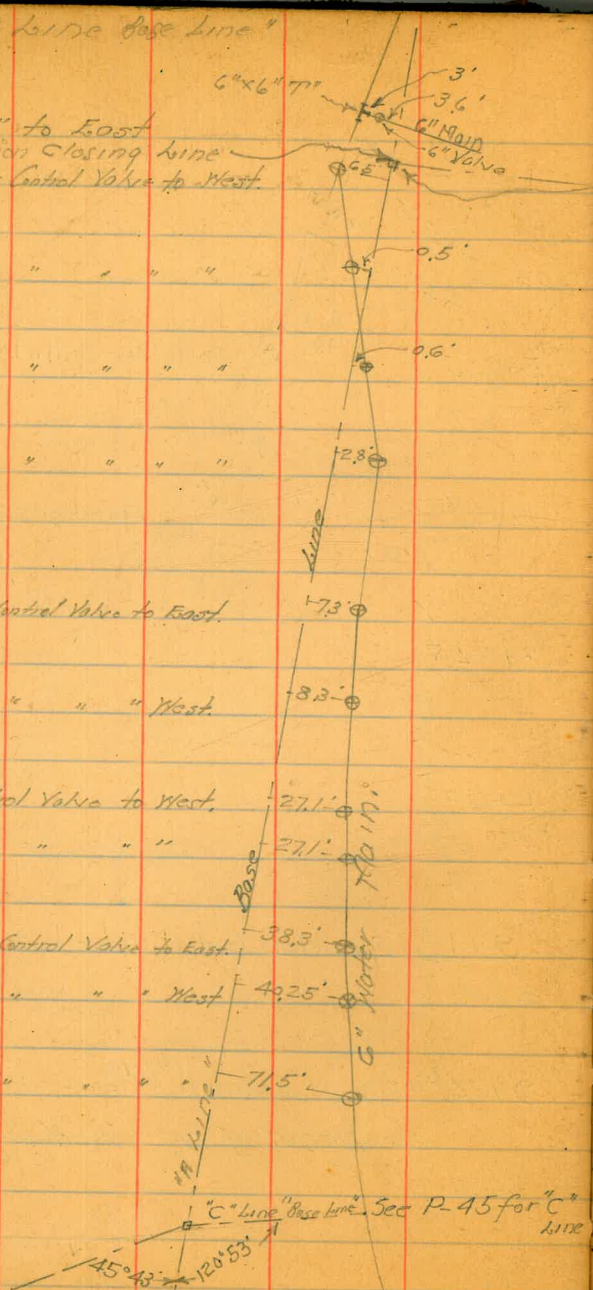
17+39.7 = Sprinkler " " " "

17+76.8 = Sprinkler Control Valve to East

17+83.8 = " " " " West

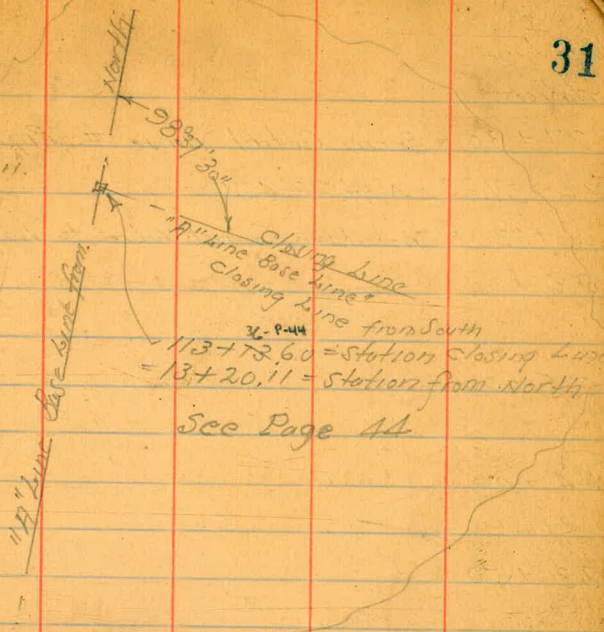
18+98.4 = " " " " "

20+91.60  
See Cont. P-32



Tee Detail

13+20.11



9837.300  
Closing Line  
Closing Line  
Closing Line from South  
113+72.60 = Station Closing Line  
= 13+20.11 = Station from North

See Page 44





"A Line"  
"Base Line"

Base line  
Station

41+50

41+00

40+50

40+32.3 = Berm Control Valve to Right.

40+27 = A 1st 51°11' = 8' 45" Bend

40+22.6 = Sprinkler Control Valve to Right.

38+89.5 = Berm Control <sup>Valve</sup> to Left

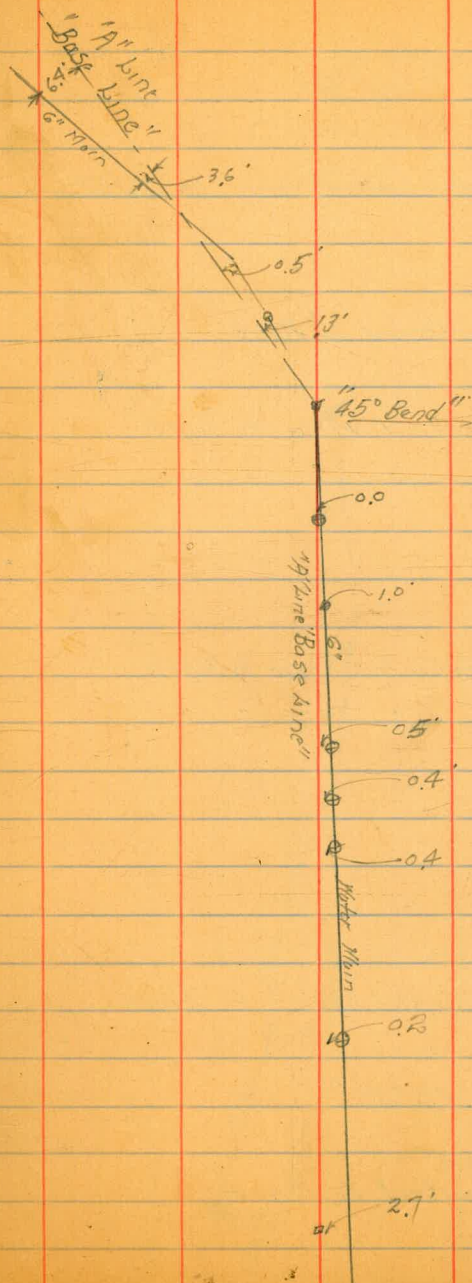
37+77.6 = Sprinkler Control Valve to Left.

37+64.5 = Berm Control Valve to Right

37+63.5 = Sprinkler Control Valve to Right

35+13 = Sprinkler Control Valve to Right

34+13.90 = A 1st 13°18'



"A line" Base Line

Base Line  
Station

48 + 80.43 =  $\Delta$  Lt.  $2^{\circ}48'30''$

48 + 04.3 = Sprinkler Control Valve to Right

46 + 77 = Sprinkler Control to Right

46 + 13 = Berm Control Valve to Right

45 + 52

+ 38 = Sprinkler Control Valve to Right

+ 37 = " " " " "

44 + 00

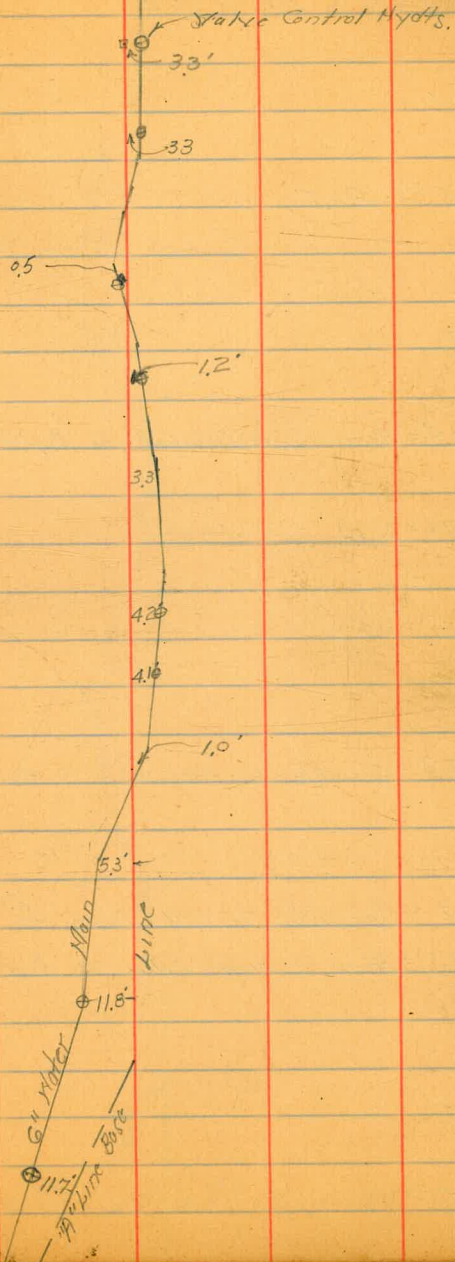
43 + 28

42 + 74 = Berm Control Valve to Right

42 + 51.35 =  $\Delta$  Lt.  $19^{\circ}29'$

42 + 15 = Sprinkler Control to Right  
Valve

35



"A Line Base Line"

Station

57+33 =  $\Delta$  Lt.  $8^{\circ}54'$

56+47

55+45.45 = P.O.T

742 = Sprinkler Control Valve to Right

54+55

54+07.9 = Berm Control Valve to Right

53+89.76 =  $\Delta$  Rt.  $31^{\circ}16'$

53+55

52+73.2 = Sprinkler Control Valve to Right

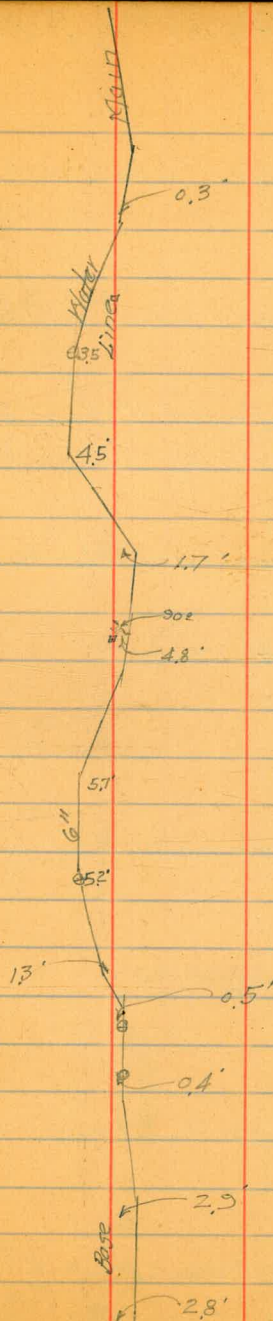
52+00

51+49 = Sprinkler Control Valve to Right

51+48.2 = Berm Control Valve to Right

50+00

49+25.2 = Sprinkler Control Valve to Right



"A Line Base Line"

Station  
64+90.4 = Sprinkler Control Valve to ~~Left~~ R.

63+56.3 = Sprinkler Control Valve to Lt.

+13.5 = Berm Control Valve to Right.

63+05.66 =  $\Delta$  Lt.  $95^{\circ}41'$

62+66.5 = Sprinkler Control Valve to Right

62+38.3 = 6" Gate Valve

61+30.3 = Sprinkler Control Valve to Right

61+02.2 = Sprinkler Control Valve to Right

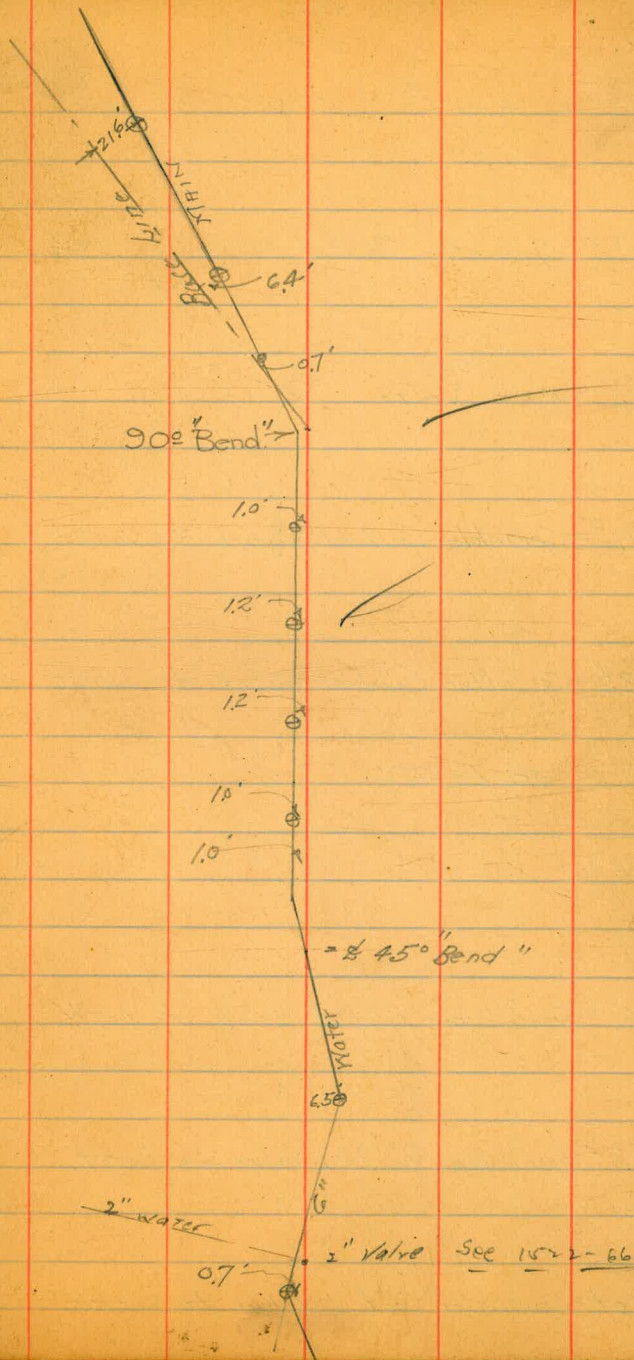
61+01.9 = " " " "

60+85.93 =  $\Delta$  Lt.  $64^{\circ}06'$

58+99.5 = Sprinkler Control Valve to Right and Left.

57+51.4 = 2" Valve + 2" WL off of 6" Main

57+33.2 = Sprinkler Control Valve to Left.





"A Line Base Line"

Station 74+58 = Sprinkler Control Valve to Left.

73+27.5 = Sprinkler Control Valve to Left.

72+68 = Hydt. Valve <sup>Gate</sup>

71+79.3 = Sprinkler Control Valve to Left

70+52.6 = Sprinkler Control Valve to Left.

70+42.60 = Pt. 16<sup>349</sup>'

70+30

68+16 = Sprinkler Control Valve to left.

67+73.6 = Sprinkler Control Valve to Left.

66+30.4 = Sprinkler Control Valve to Left.

73 27.5  
72 68  
-----  
71 99.5

72 68  
71 79.3  
-----  
98.7

68 16  
67 73.6  
-----  
99.6

66 30.4  
64 90.4  
-----  
120.8

"A" line Base line

25.6 ⊕

49 ⊕

91 ⊕

Main

82 ⊕

28 ⊕

25' ⊕

6' ⊕

Water

21' ⊕

6'

30.2 ⊕

4" line East line "

Station

79 + 93.7 = Sprinkler Control Valve to Left.

79 + 51.35 = 6" Gate Valve

79 + 48.35 = A Lt.  $6^{\circ}27'30''$  = Intersection 6" line to Right.

79 + 46.35 = 6" Gate Valve

79 + 34.5 = Sprinkler Control Valve to Left.

78 + 49.3 = Sprinkler Control Valve to Left.

77 + 49.7 = Sprinkler Control Valve to Left.

77 + 23.5 = Sprinkler Control Valve to Left.

75 + 33.7 = Sprinkler Control Valve to Left.

75 + 01.35 = Intersection 4" Branch line "

2  
"A line"  
"Base line"

39

35' ⊕

85' ⊕

286' 17' 30"

See Page 53  
6" Water Main

9' ⊕

10.8' ⊕

Main

-217' ⊕

297' ⊕

30.3' ⊕

-289' ⊕

91' 9" ⊕

256' ⊕

45' Gate Valve  
4" Main

6" x 4" 7"

See P. 52

6" Branch

"A Line Base Line"

Station

91+54.7 Sprinkler Control Valve to left

90+2.5 Sprinkler Control Valve to Right

89+77 Sprinkler Control Valve to Left

88+22.1 Sprinkler Control Valve to left

86+91.2 Sprinkler Control Valve to left

85+53.7 Sprinkler Control Valve to left

84+11.2 Sprinkler Control Valve to left

82+70.2 Sprinkler Control Valve to left

81+33 Sprinkler Control Valve to left

"A" Line Base Line

40

39.7' ⊕

34.2' ⊕

30' ⊕

23.7' ⊕

24.4' ⊕

37.8' ⊕

42.6' ⊕

33.6' ⊕

23' ⊕

"A line Base Line"

Station

97+47.2 = Sprinkler Control Valve to left

96+96.5 = Sprinkler Control Valve to left

96+15.3 = 2" Angle Gate Valve Topped into 6" Main

96+07 <sup>u</sup> Hub on Base Line See Page 63.

95+45

94+20.6 = 6" Gate Valve

93+47.6 = Sprinkler Control Valve to left

93+29.3 = A ht. 32.012'

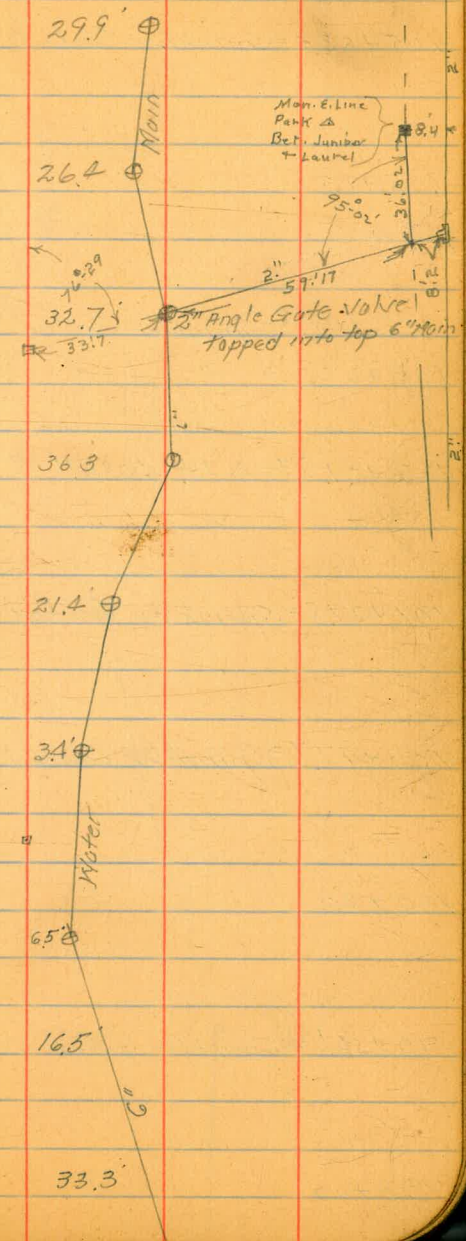
93+06.3 = Sprinkler Control Valve to left

92+75

92+00

"A line Base Line"

41



"A Line"  
"Base Line"

Station

105+65.8 = Sprinkler Control Valve to Left

105+13

104+45

102+69.6 = Sprinkler Control Valve to Left.

102+67.3 = " " " "

102+01.57 =  $\Delta$  Lt.  $40^{\circ}07'$

101+27.8 = Sprinkler Control Valve to Left.

100+97.7 = Sprinkler Control Valve to Right.

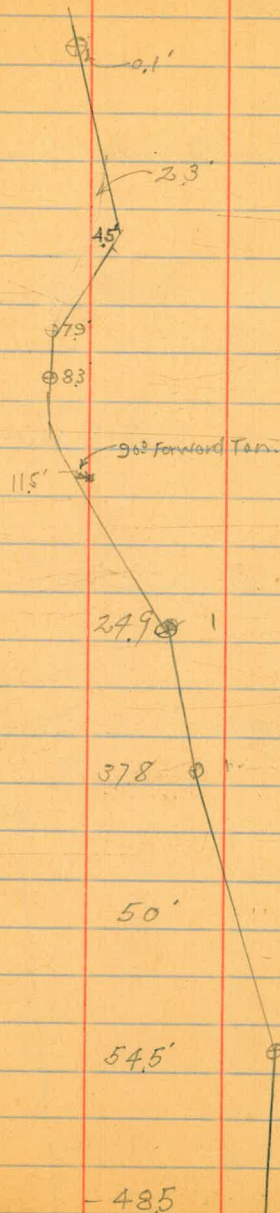
100+00

99+56.1 = Sprinkler Control Valve to Left.

98+00

"A Line"  
"Base Line"

42



Station "A Line Base Line"

111+13 = 45° Bend

110+68 = Sprinkler Control Valve to Left

109+99.3 = Sprinkler Control Valve to Right

109+03 = Sprinkler Control Valve to Left

108+94.10 = Δ Rt 16° 14' 30"

108+45.7 = Sprinkler Control Valve to Left

108+00

107+72

107+00

106+05.43 = P.O.T.

"A Line Base Line"

40.9 45° Bend

31.5' ⊕

138 ⊕

42' ⊕

hub ⊕

⊕ 3'

5'

6.3

4.8'

6" Meter

43

"A line Base line"

Station

113 + 36.60 = Intersection With "A line" See Page 31

113 + 08

112 + 72.10 = Sprinkler Control valve to left.

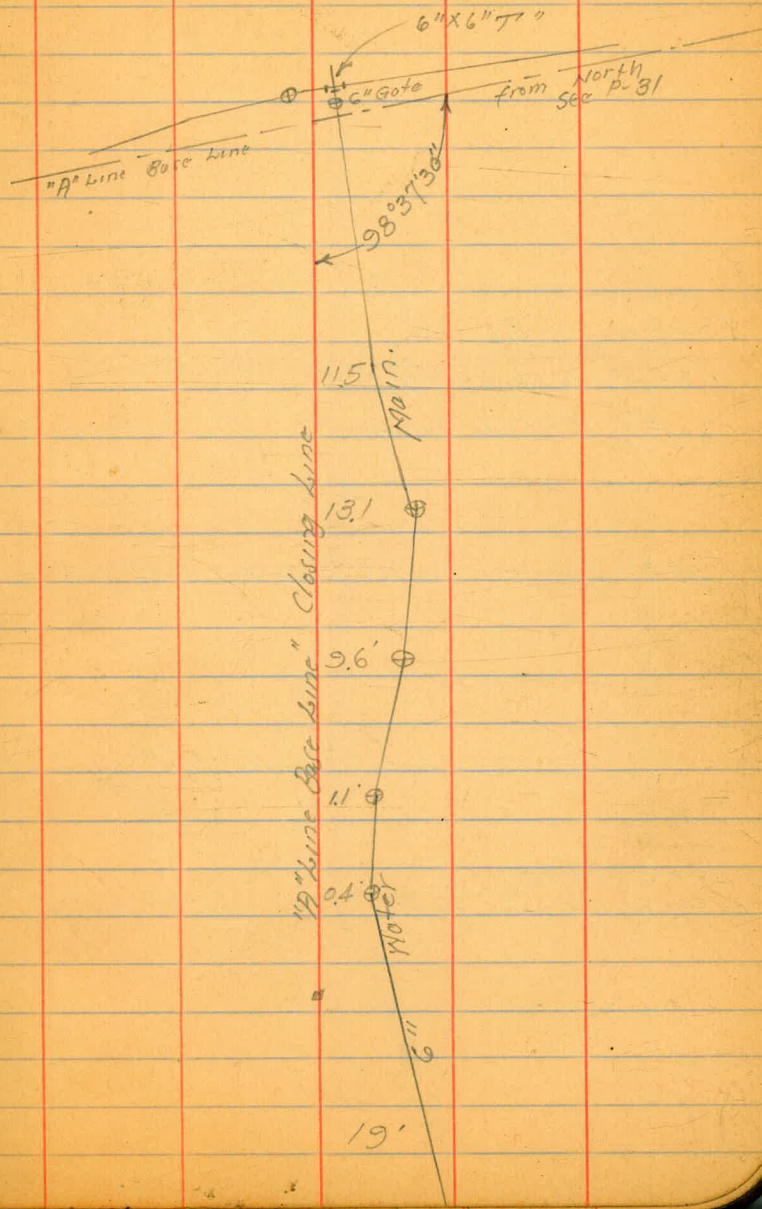
112 + 35.7 = Sprinkler Control valve to Right

111 + 95.1 = Sprinkler Control valve to Right

111 + 92.9 = " " " " Left.

111 + 91.60 = Δ Lt 44'13"

111 + 60



"C" Line Base Line

Station

Cont on P-46

1+63.20 = A Pt. 87°19'30"

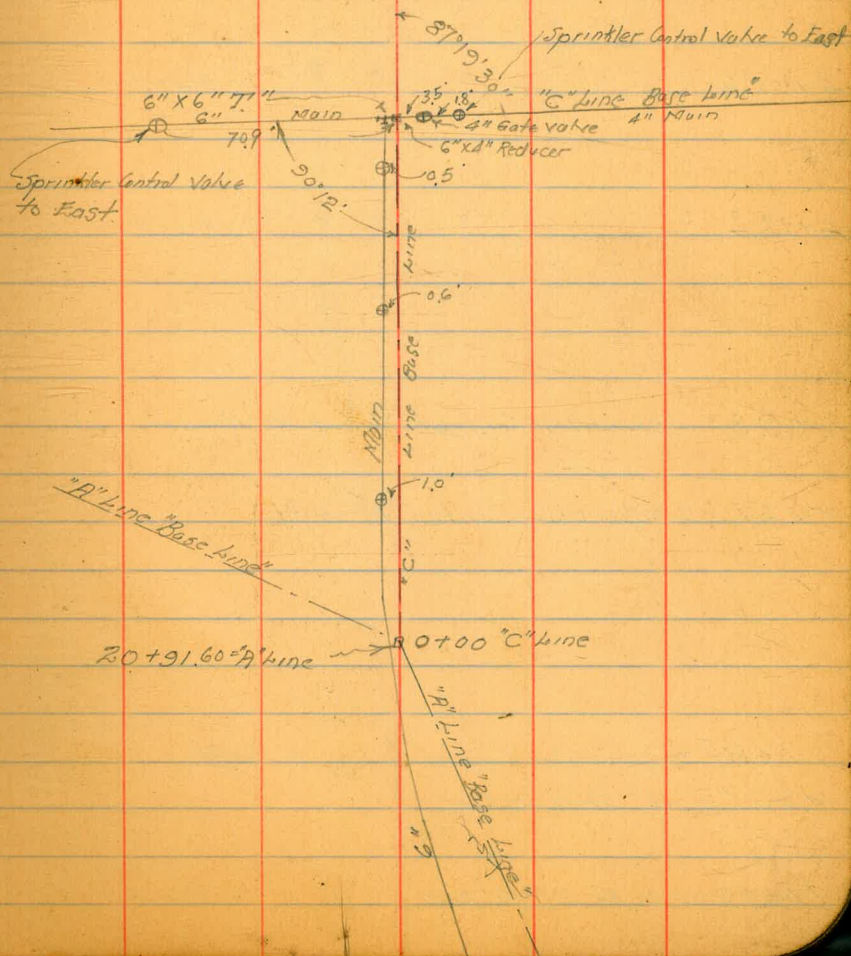
1+60.4 = 6" Gate Valve

1+45.3 = Sprinkler Control Valve to Right and Left.

0+19.8 = Sprinkler Control Valve to Right and to Left.

0+00 "C" line

20+91.60 on "A" line P-31





"C" Line "Base Line"

Station.

5+68.1 = Sprinkler Control Valve to West.

5+31.3 = " " " " East.

4+55.6 = " " " " West.

4+17.9 = " " " " East.

2+98 = Sprinkler Control Valve to Right

2+87.60 = Sprinkler Control <sup>Valve</sup> to Left

1+68.5 = Sprinkler Control Valve to Left.

1+66.7 = 4" Gate Valve

1+63.20 =  $\Delta$  Pt. 87°19'30"

46

4  
10  
16  
"Line"  
"Base"  
"Line"

96'

112'

15'

148'

46'

34'

4"

0.2'

0.0'

Water

"C" LINE"  
"BASE LINE"

Station  
11+24.6 = Sprinkler Control Valve to West

10+52.6 = " " " East

9+72.2 = " " " West

9+33.6 = " " " East

8+31.75 = " " " West

8+02.63 =  $\Delta$  Rt.  $9^{\circ}33'$

7+92.4 = Sprinkler Control Valve to East

6+98.7 = " " " West

6+63.6 = " " " East

4  
"C" line  
Base line

47

00.2'

Mauz

00.8'

01.3'

01.7'

00.6'

Water

on line

01.0'

4'

05.6'

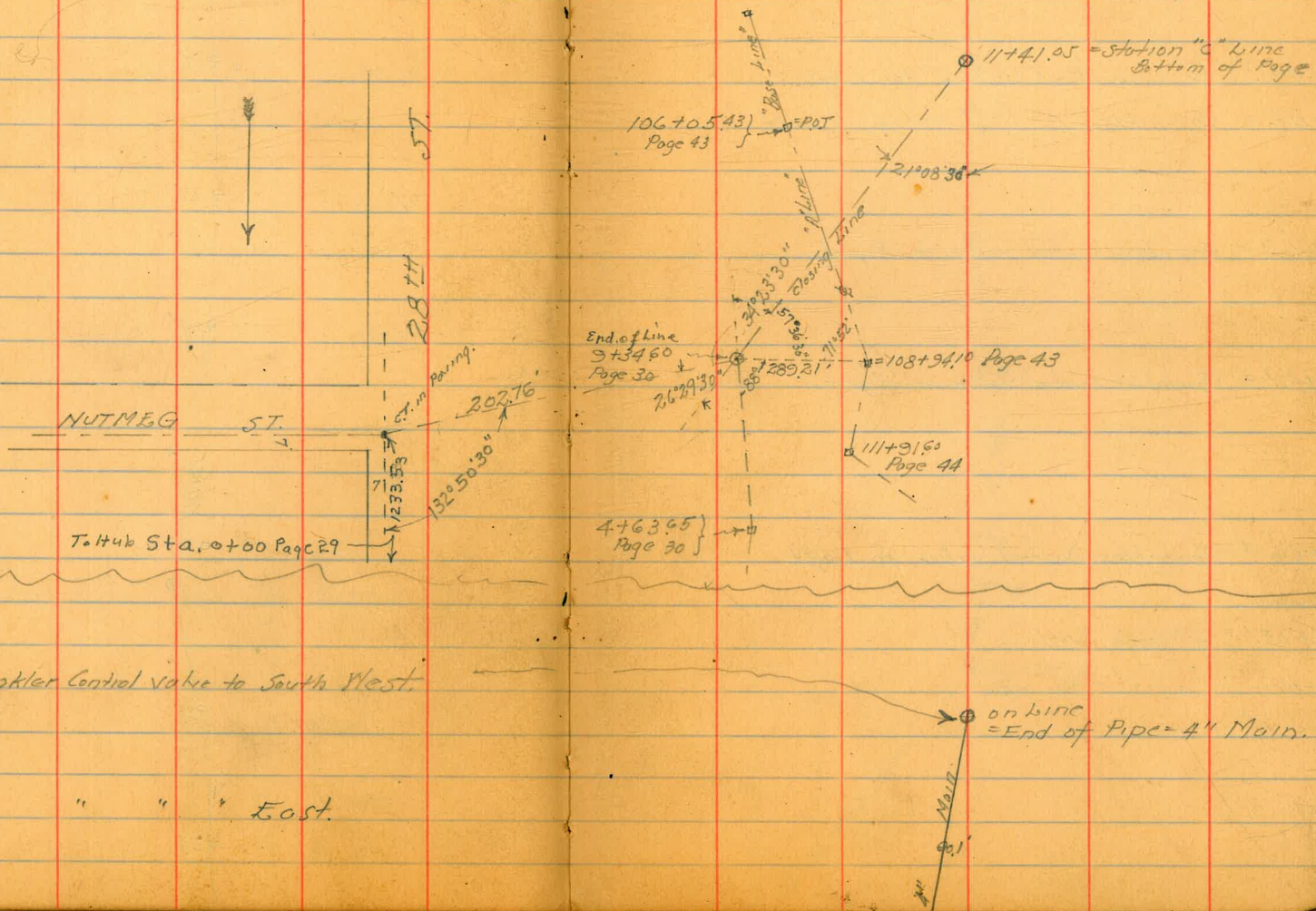
"C" LINE  
"BASE LINE"

Station

2  
4  
Line  
Base Line

48

Detail tie into line  
on Page 30



11+41.05 = Sprinkler Control Valve to South West

11+35 = " " " " East

"D" Line Base Line  
For Location 4" Branch Line Water Main

49

3+30.6 = Sprinkler Control Valve to Right

2+73.67 = P.O.T.

2+48.6 = Berm Control Valve to Left

2+48 = Sprinkler Control Valve to Left

2+26.9 = Sprinkler Control Valve to Right

1+14.7 = Sprinkler Control Valve to Right

0+60.4 = Sprinkler Control Valve to Left

0+13.1 = 4" Gate Valve

0+00

"D" Line Base Line

003

⊕ on line

⊕ on line

⊕ on line

02

4" Main

05

40'08"

⊕

= 32+94.80

Page 33

"D" Line Post Line"

9 + 23.1 = Sprinkler Control Valve to Right

⊕ 3'

8 + 18.5 = Sprinkler Control Valve to Left

⊕ 2.3'

7 + 52.1 = Berin Control Valve to Right

⊕ 2.3'

7 + 51.3 = Sprinkler " " " Right

⊕ 2.3'

6 + 71.2 = Sprinkler Control Valve to Left

⊕ 2'

5 + 30.8 = Sprinkler Control Valve to Right

5 + 29.3 = Sprinkler Control Valve to Left

⊕ 1.9'

⊕ 1.9'

4 + 72.8 = Sprinkler Control Valve to Right

⊕ 0.4'

4 + 52.5 = Sprinkler Control Valve to Right

⊕ 1.3'

3 + 90.4 = Sprinkler Control Valve to Left

⊕ 10'

"D" LINE BASE LINE

51

10+11.3 = Sprinkler Control Valve to South

10+07.1 = Sprinkler Control Valve to Left

9+26.4 = Berm Control Valve to Left

9+35.6 = Sprinkler " " "

End of Pipe

⊕ 3.5'

⊕ 3.6'

⊕ 3.2'

⊕ 3.2'

4" Branch Line  
Cont. from Page 39

52

3+07.20 = Sprinkler Control Valve 90° to left.

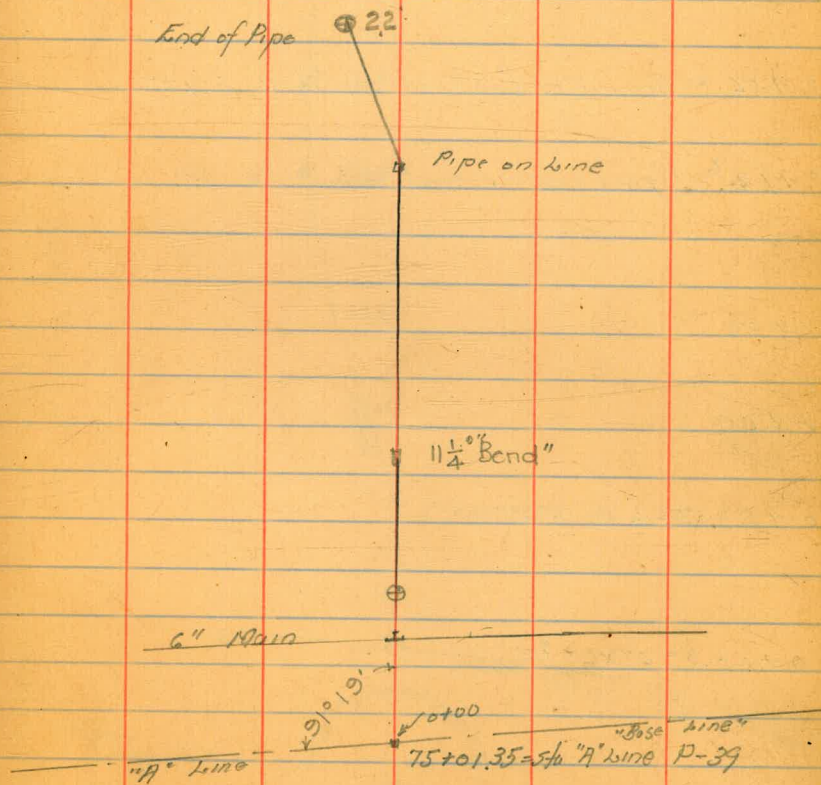
3+84.88 = P.O.T.

0+87.15 =  $\Delta$  Lt 14°28'

0+31.1 = 4" Gate Valve

0+25.6 = 6" x 4" T

0+00



Location 6" Water Main  
 See P-39 For tie to "A" Line  
 "E" Line Base Line"

3+85

3+85

3+50

3+00

2+54 = Sprinkler Control Valve to Right

2+12.6 = Sprinkler Control Valve to Rt.

1+50

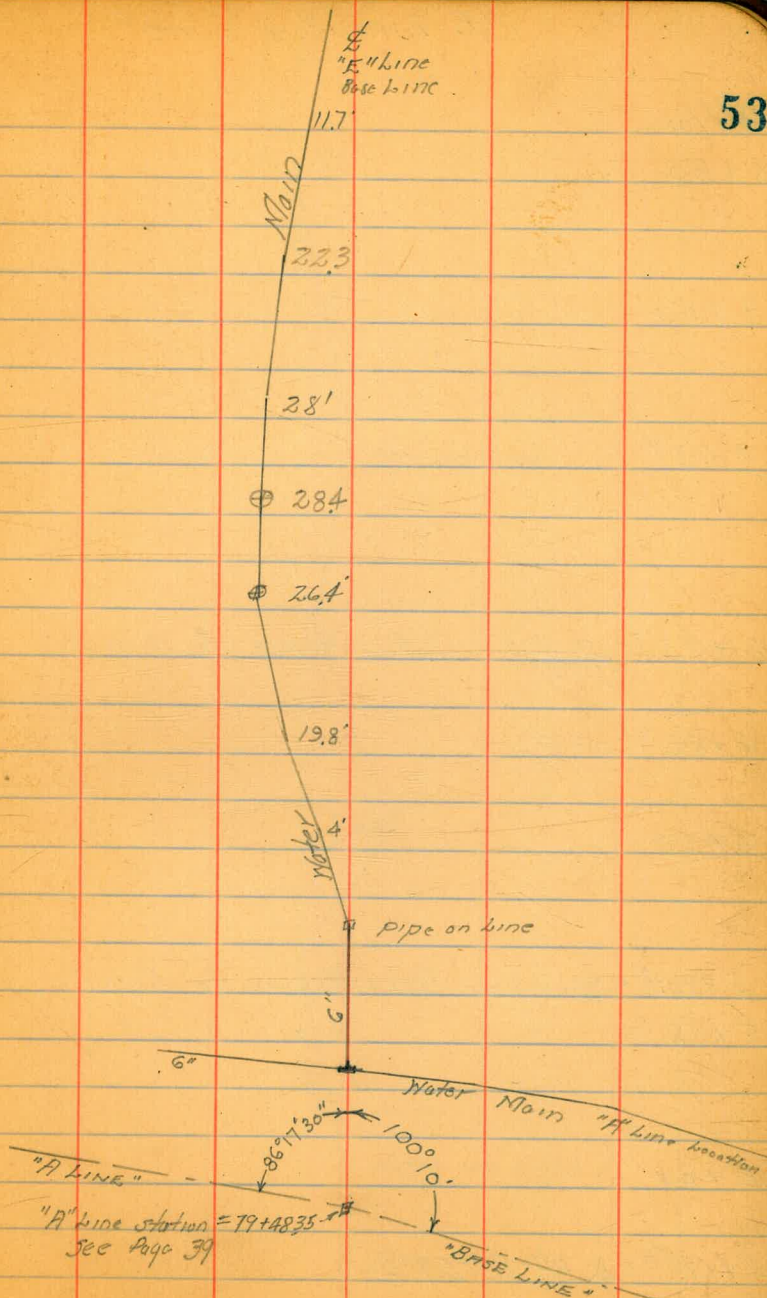
1+00

0+83.55 = Δ Rt. 8°45'30"

0+08.8 = 6" x 6" 47"

0+00

53





"E line" "Base line"

Station

8+50

8+00

7+39

6+93.2 = Sprinkler Control Valve to Right

6+82.77 = POT.

6+53

5+90.4 = Sprinkler Control Valve to Right

5+88 = " " " " "

5+00

4+17.56 =  $\Delta$  Pt.  $23^{\circ}57'30''$

54

15' wire  
base line

95'

Main

5'

Pipe on line

2'

0.8'

1.8'

1.6'

Water

pipe on line

Pipe on line

6"

"5" Line Base Line"

12+84.13 =  $\Delta$  Lt.  $15^{\circ}12'$

12+54.5 = 6" Gate Valve

11+32.8 = Sprinkler Control Valve to Right

11+30.69 =  $\Delta$  Lt.  $8^{\circ}16'$

10+32 = Sprinkler Control Valve to Right

9+70.8 = " " " " "

9+63 = " " " " Left

9+62.1 = " " " " Right

9+15.36 =  $\Delta$  Rt  $16^{\circ}33'$

6" x 4" T" (4" Plugged)

4.1'  $\oplus$

Main

0.4'  $\oplus$

Water

1.3'  $\oplus$

6"

0.3'  $\oplus$

0.9'  $\oplus$

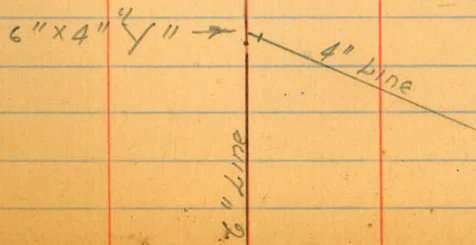
} Valve Covers are not vertical over Main about 0.6 Right will be the 6" Main.

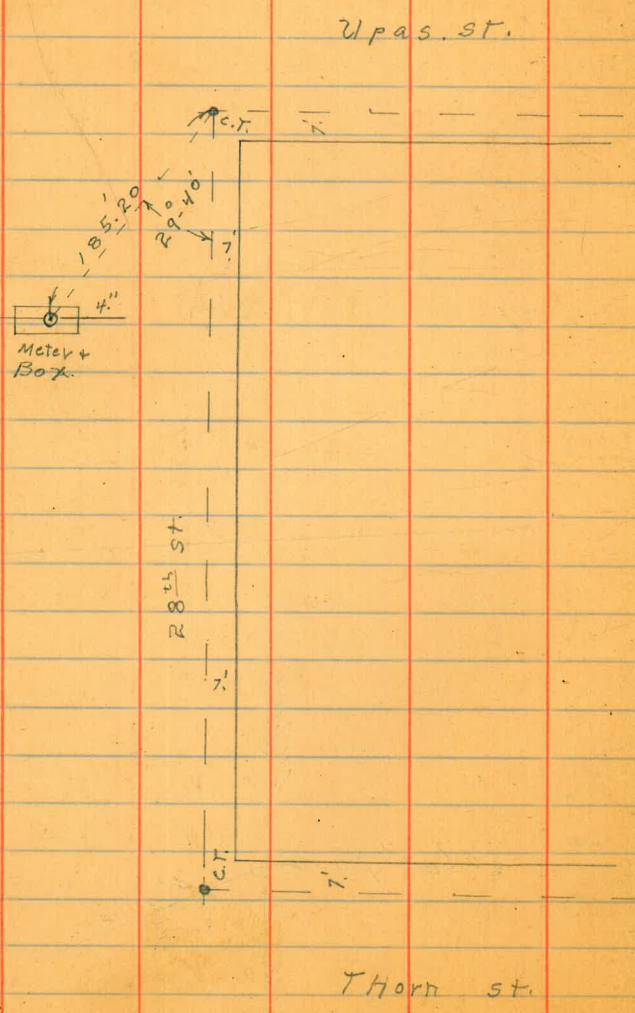
" Pipe is on line

"L line" "Base line"

56

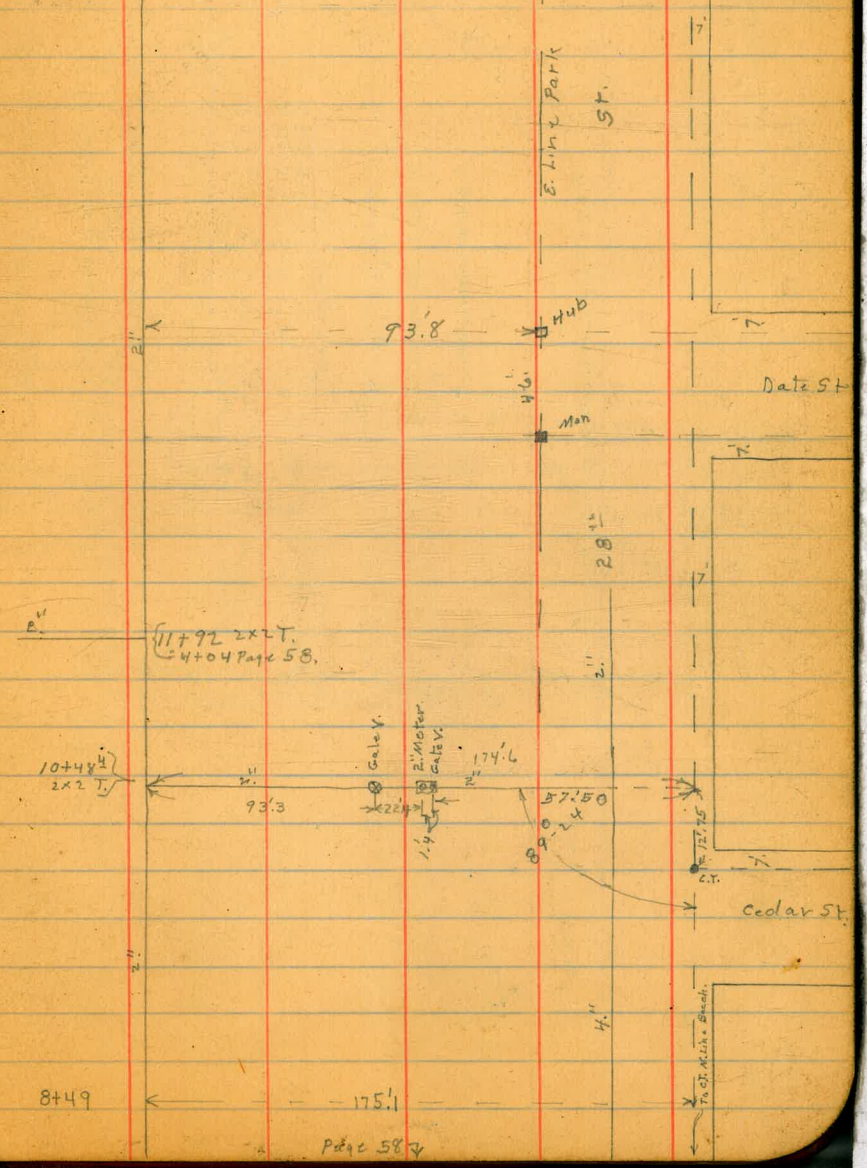
14 + 43.92 = □ hubon &





Page 6 2  
86.0

57  
elm St



11+92 2x2 T.  
4+04 Page 58.

10+44 H  
2x2 T.

Gale V.  
2\"/>

Page 58





224.13  
139  
95.13

449.7  
166.6  
616.3

4+16.3 S. End. 2" Line Gate Valve  
4+15.7 SP. V.

4+50.8 SP. V. 0.6 RT

4+49.24 2" T. to RT. SP. V. 0.6 RT.

4+42.4 4" T. N+E. 2" S.

4+24.8 SP. V.

3+24.2 SP. V.

2+92.7 SP. V. 0.5 RT.

2+31.1 SP. V. 0.5 RT.

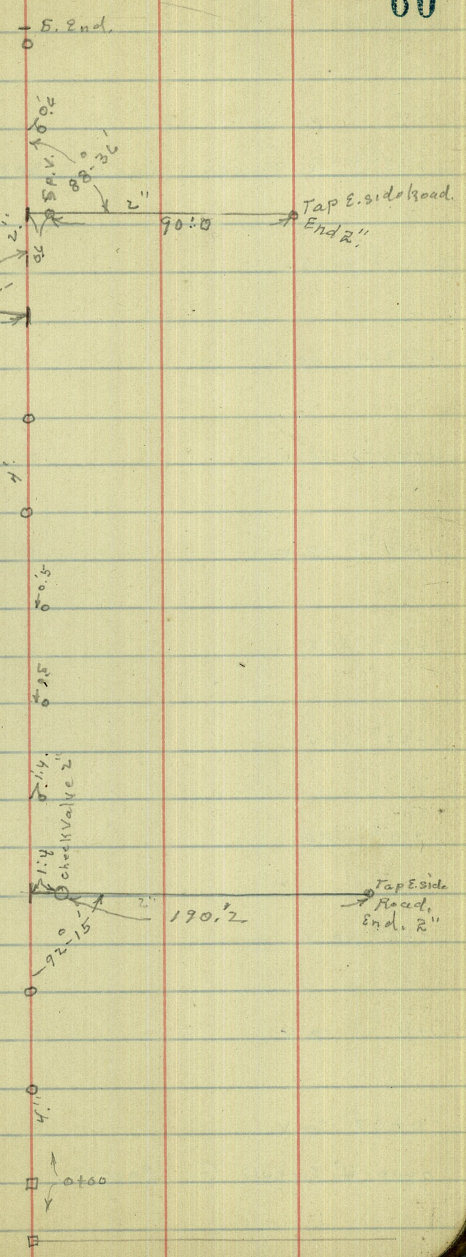
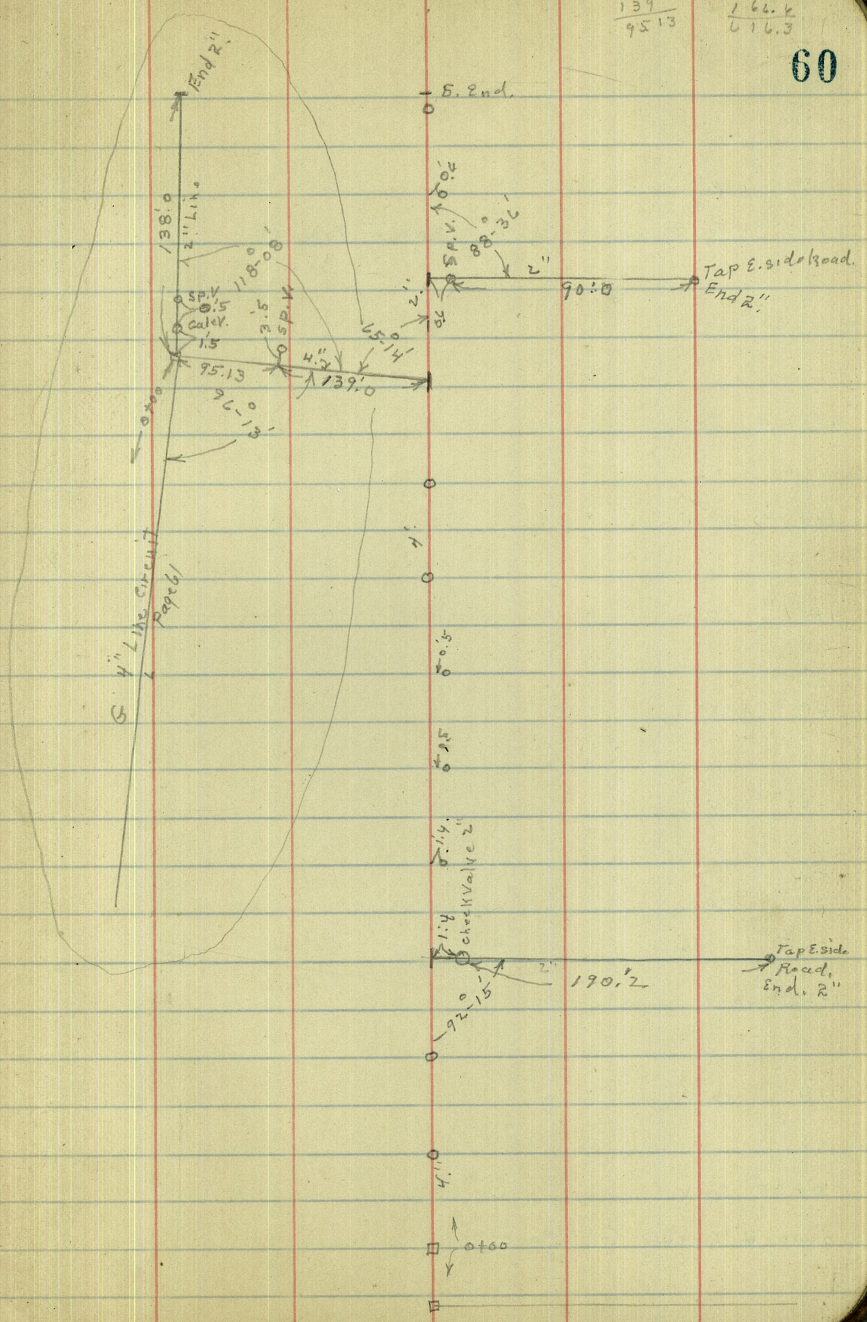
190.5 SP. V. 1.4 RT.

1+89.4 "T" 2" Pipe to W.

0+97.8 SP. V.

0+89.4 SP. V.

0+00 } Hub & Page 59  
= 5+24.4



6737<sup>76</sup> G T connection 6" = 13+30<sup>27</sup> Page 58

6713<sup>8</sup> sp.V.

5779.4 sp.V

4709<sup>2</sup> sp.V

4700<sup>2</sup> sp.V

3710<sup>3</sup> sp.V

2767<sup>3</sup> sp.V

2710<sup>2</sup> sp.V

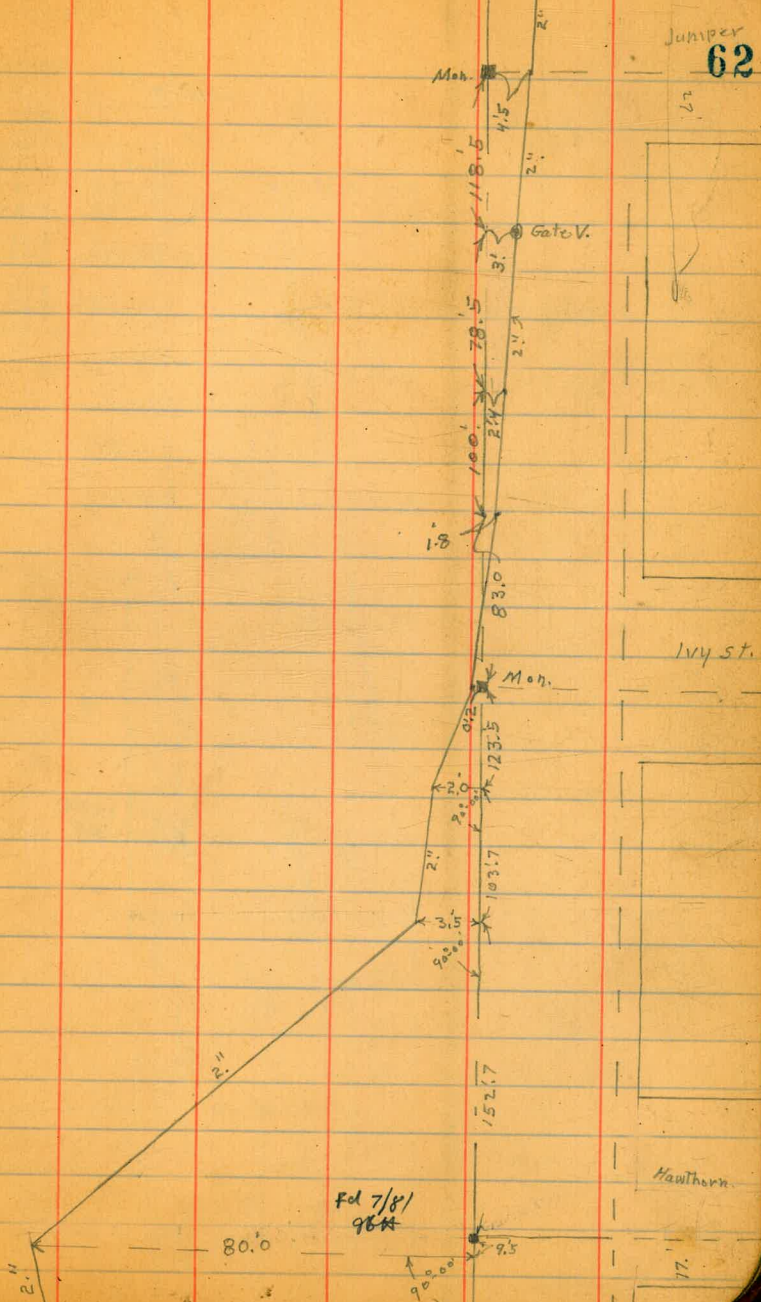
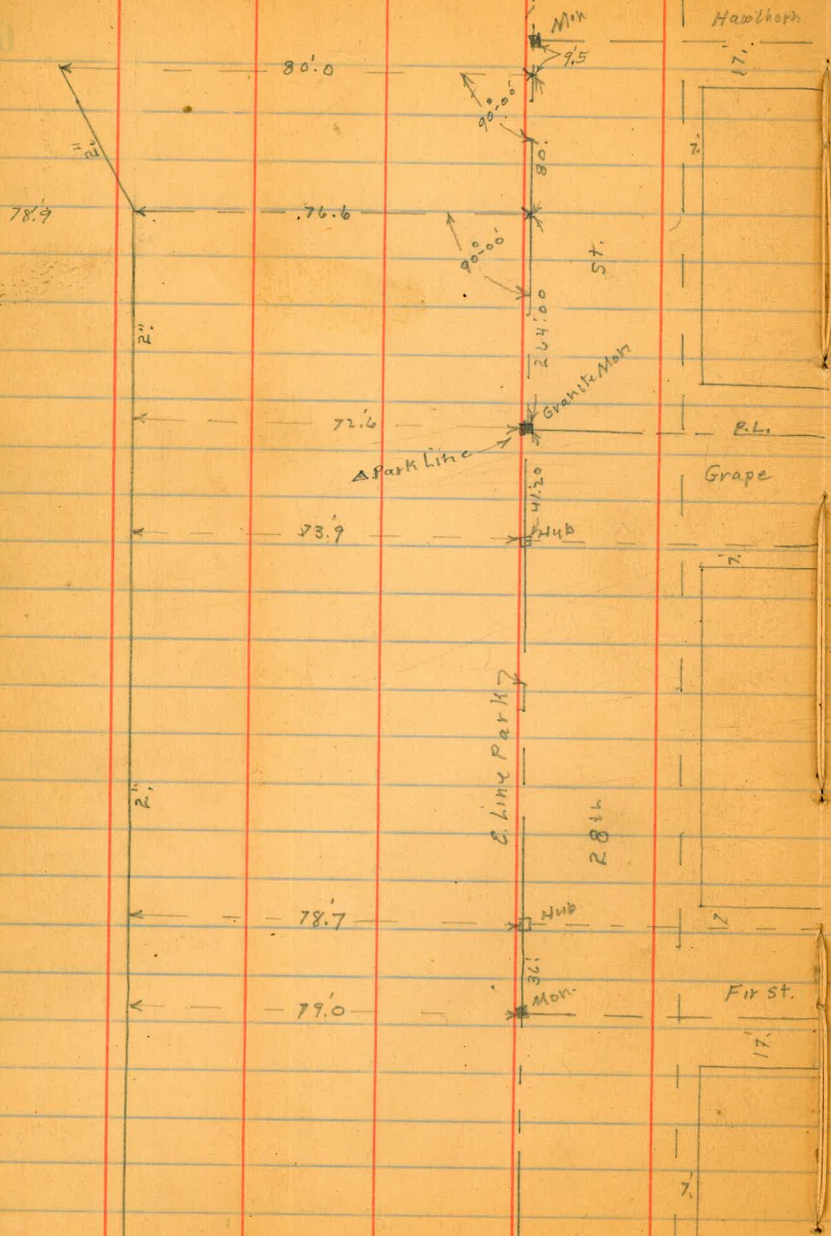
1720<sup>3</sup> sp.V

1711 sp.V

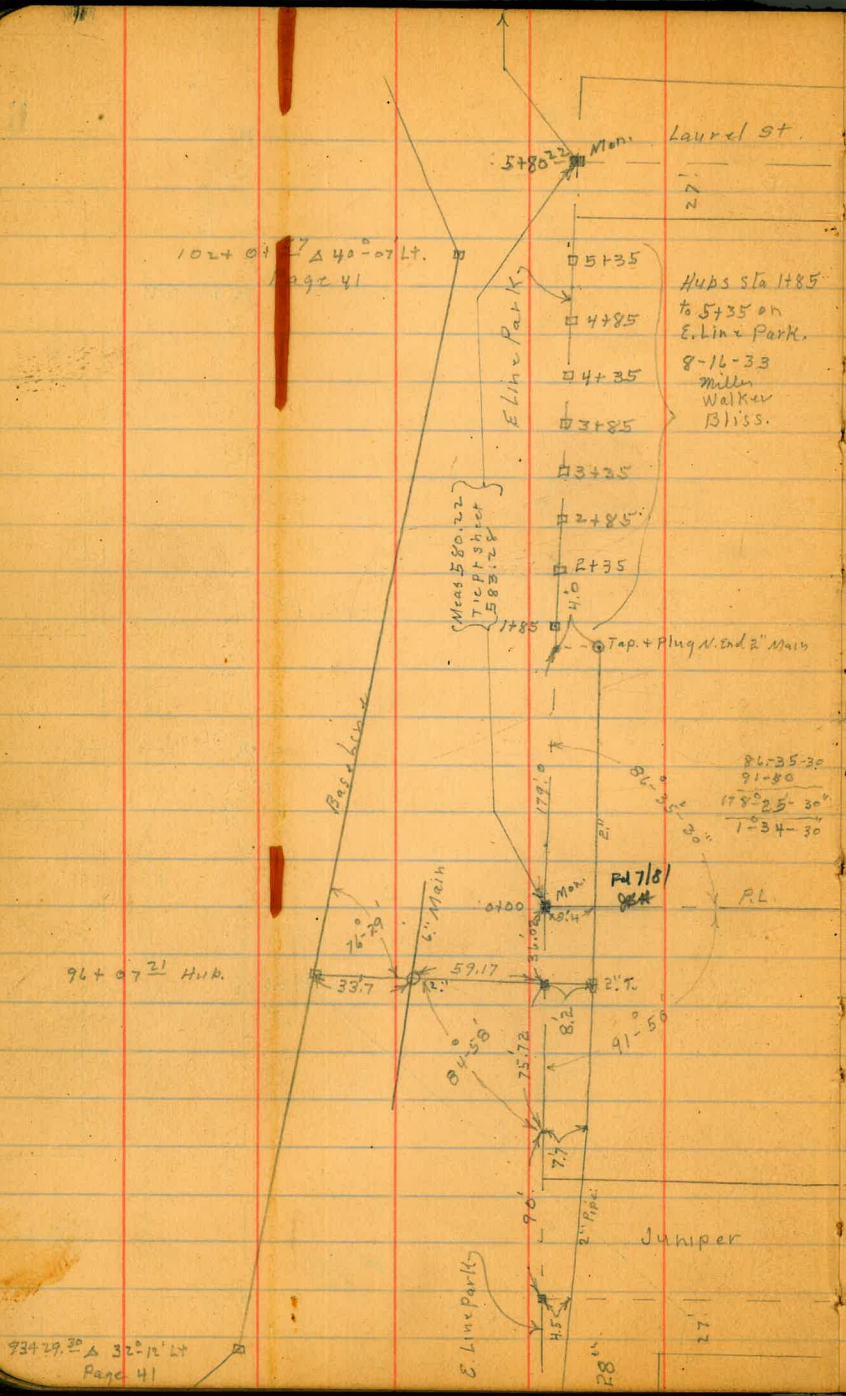
0707 sp.V

0700 4<sup>th</sup> circuit G. Page 60





Indexed  
C.S.K.I.

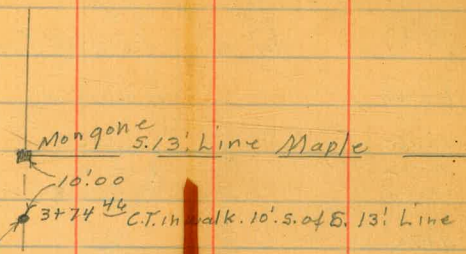


94 29.20 Δ 32-12' Lt.  
Page 41

Tie Pt Sheet	Measured
371.57	374.46
583.28	580.22
954.85	954.68

Total Dist. from Map to  
to R.L. N. of Juniper  
Measures 0.17 short  
Maple to Laurel 2.89 Long  
Laurel to P.L. 3.06 short.

8-16-33  
mills



Meas 374.46  
Tie Pt Sheet  
371.57

Laurel St.



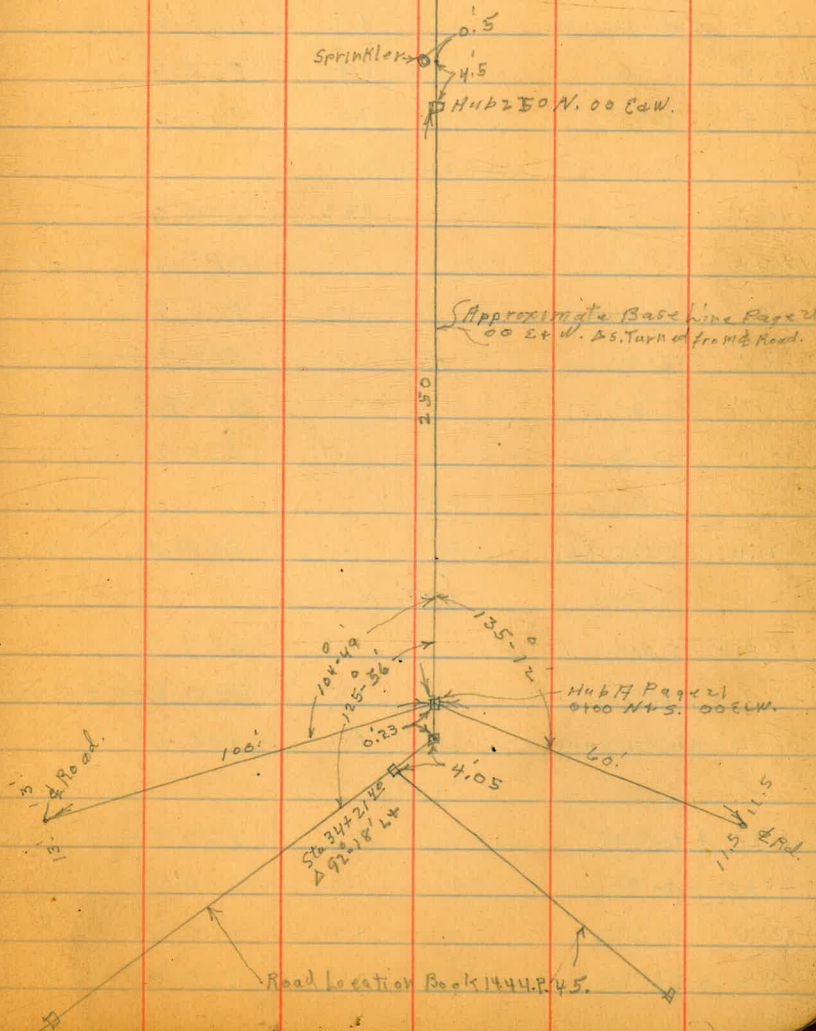
1-24-32 Topog for Golf Club House see Sec Page 21  
Walker  
5/1/55  
Balboa Park.

BM.	3.23	227.60	224.97	Hub A. Page 21
		50' N		
100 W Natural ground.		11.6	216.0	
92 W. fill		6.9	220.7	edge parking
50 W.		6.9	220.7	
00 E+W = Base Line		6.9	220.7	
50 E.		6.5	221.1	
48 E Nat. ground		6.6	221.0	edge parking
		100' N		
62 E nat. ground		7.6	220.0	
57 E		6.9	220.7	edge parking
00 E+W		7.0	220.6	
50 W.		7.1	220.5	
90 W. fill.		7.4	220.2	edge parking
104 W nat. ground		14.9	212.7	
130 W.		19.5	208.1	
T.P.	5.54	222.45	10.69	216.91
		150' N.		
135 W.		14.4	208.1	
103 W Nat. ground		9.3	214.2	
95 W		7.1	215.4	
90 W. fill		2.4	220.1	edge parking
50 W		2.2	220.3	
00 E+W		2.1	220.4	
52 E		2.2	220.3	Edge parking
57 E Nat. ground		3.1	219.4	

65

224.37  
1.02  
225.39

220  
539



222.45		200' N	
53' E	Nat. ground	4.0	218.5
48' E	fill	2.1	220.4
00 E+W		2.1	220.4
50' W		2.2	220.3
89' W	fill	2.5	220.0
92' W	Nat. ground	4.7	217.8
111' W		6.9	215.6
140' W		13.0	209.5

220' N			
140' W		13.9	208.6
110' W		7.2	215.3
90' W	Nat. ground	4.6	217.9
83' W	fill	3.3	219.2
70' W		2.6	219.9
50' W		2.2	220.3

230' N			
22' W	SW. Cor "T"	2.1	220.4

232' N			
00 E+W	S. side "T"	2.0	220.5
37' E	SE. Cor "T"	2.2	220.3
50' E	Nat. ground	6.2	216.3

238' N			
25' E	S. side T.	2.2	220.3
00 E+W	on T	4.2	218.3
12' W	" "	4.2	218.3
24' W	W. Side T	2.5	220.0

222.45		238' N	
40' W		2.1	220.4
70' W		4.4	218.1
78' W	Nat. ground	6.2	216.3
100' W		8.8	213.7
120' W		12.2	210.3
135' W		15.4	207.1

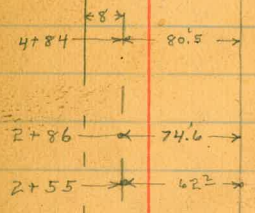
250' N			
113' W		14.0	208.5
80' W		8.5	214.0
70' W	Nat. ground	6.9	215.6
52' W		4.9	217.6
45' W		3.3	219.2
31' W	= W. edge T.	2.9	219.6
15' W	on T	4.3	218.2
41' W	on T.	4.31	218.14
33' E	" "	4.3	218.2
52' E	E. edge T.	6.0	216.5
65' E		13.3	209.2

265' N	56' E = E. edge T	8.6	213.9
" "	52' E on T	8.1	214.4
" "	31' E " T	4.1	218.4
270' N	31' E " "	4.4	218.1
265' N	00 E+W " "	4.5	218.0
265' N	22' W. " "	6.5	216.0
260' N	24' W. " "	4.7	217.8

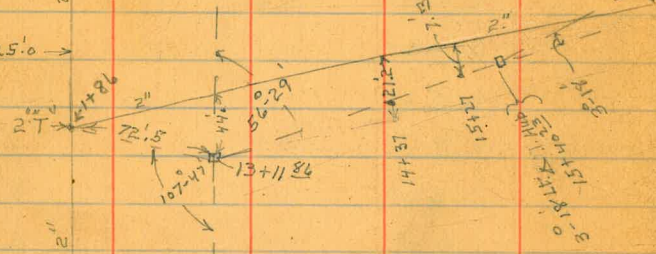
265' N	31' W	on T.	6.8	215.7
256' N	35' W	W. side T.	4.2	218.3
265' N	38' W	" " T	7.3	215.2
265' N	52' W		7.9	214.6
265' N	70' W.		13.1	209.4
279' N.	40' W	W. side T.	10.5	212.0
269' N	20' W	on T	8.6	213.9
271' N	20' W	" T	12.4	210.1
298' N	30' W	E.N.W. Cor T.	13.7	208.8
312' N	00	E+W. N side T	13.6	208.9
277' N	00	E+W on T.	12.9	209.6
276' N	00	E+W on T.	9.1	213.4
283' N	23' E	" "	9.4	213.1
284' N	23' E	" "	12.6	209.9
287' N	40' E	" "	12.4	210.1
277' N	40' E	" "	7.1	215.4
277' N	54' E	" "	10.4	212.1
277' N	59' E	E. side T.	10.6	211.9
284' N	50' E	on T	11.2	211.3
289' N	50' E	" T	11.9	210.6
289' N	60' E	E. edge T.	11.8	210.7
312' N	56' E	" " "	12.5	210.0
325' N	55' E	N.E. Cor T.	12.8	209.7



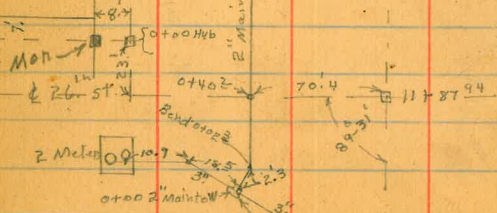
← Page 69



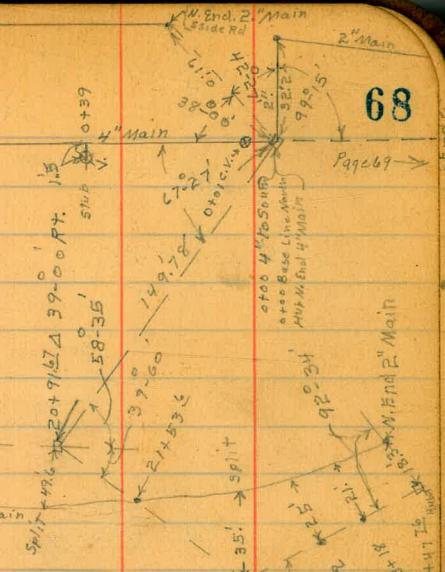
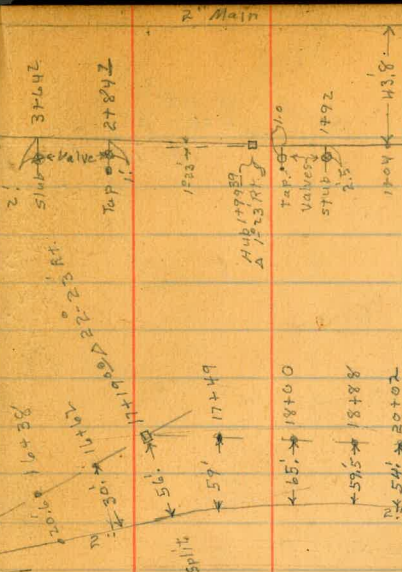
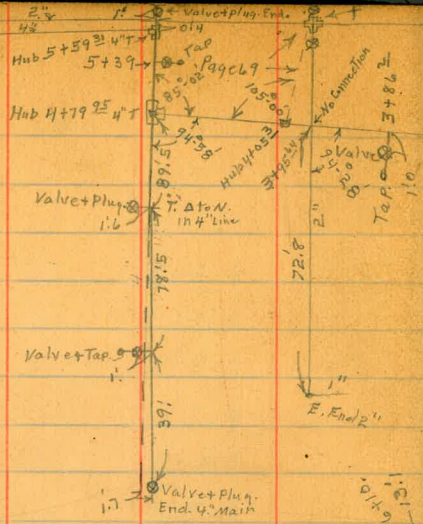
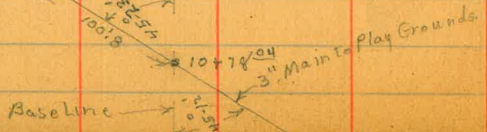
S. Lin ← Ball's Park  
Baseline



0+733 chkl Valve  
12+08



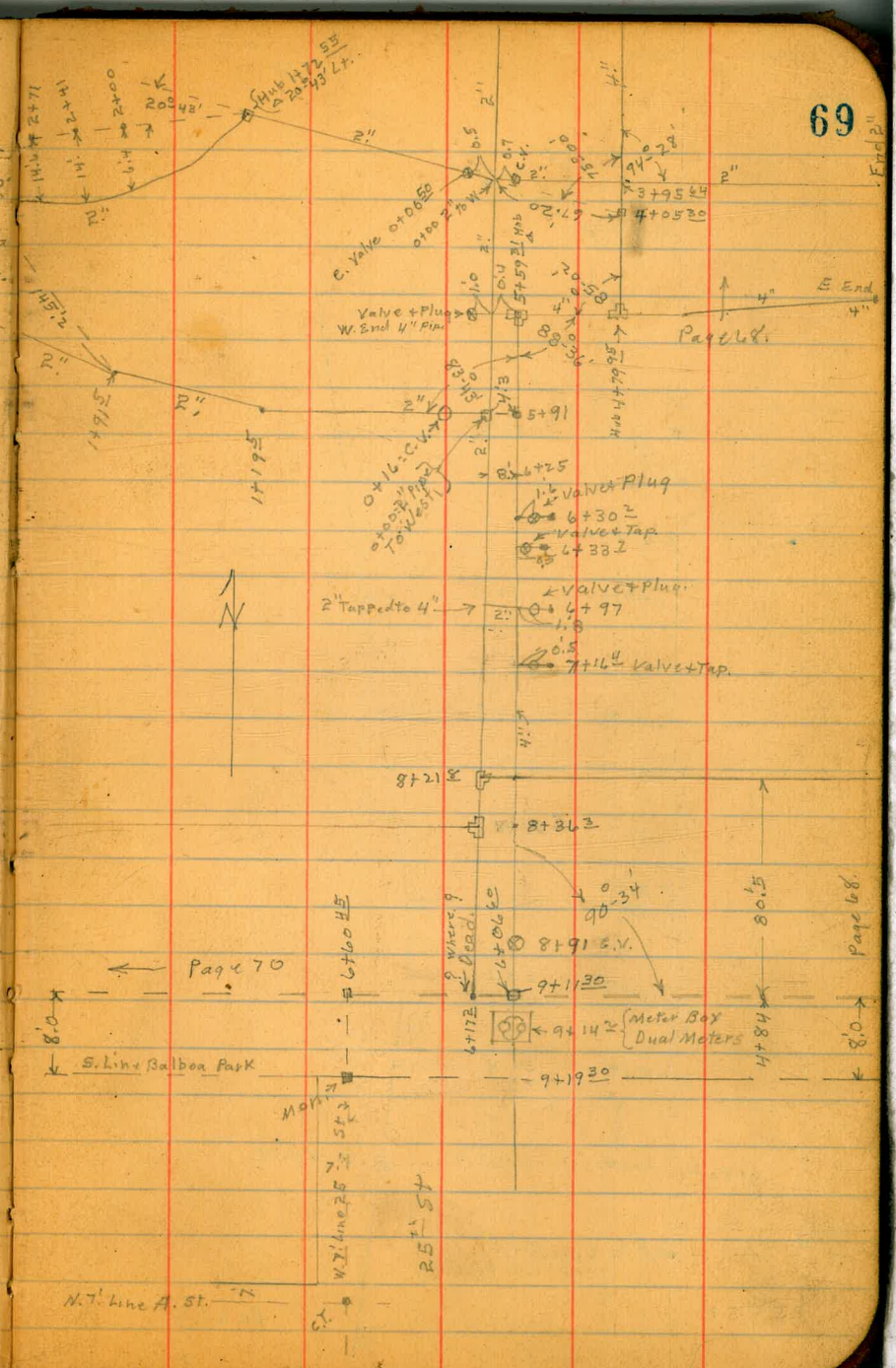
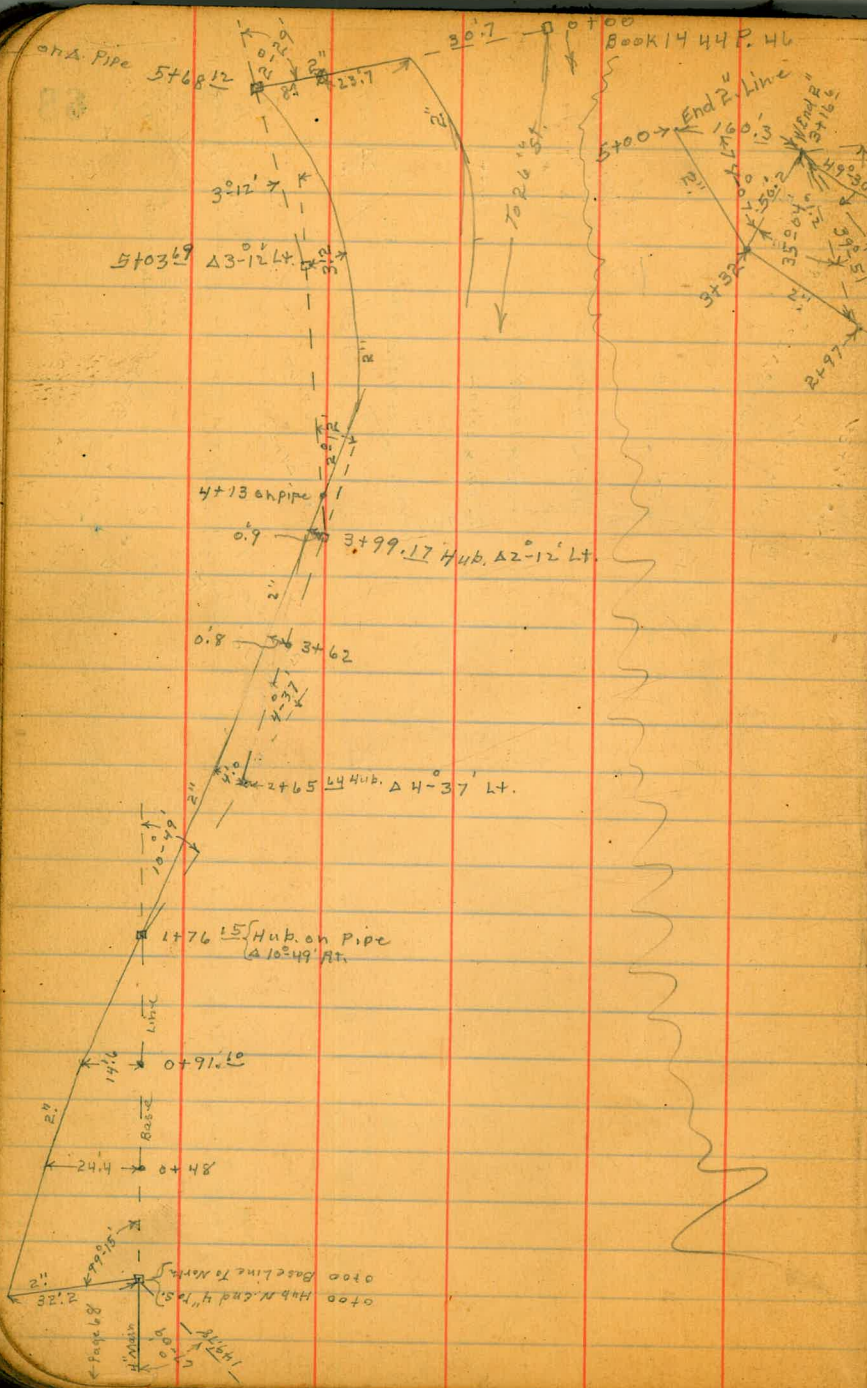
See Page 64



68

← Page 69

FACE



Page 70

Page 68

N. 7. line A. St.

S. Line Balboa Park

6+60.15

5+24.7

25' 5"

80.5

4+84

8.0

Meter Box Dual Meters

4+12

9+11.30

8+91 S.V.

90-34

8+34.2

8+21.8

7+16 Valve + Tap

6+97

4+33.2

6+30.7

5+91

5+59.1

4+79.95

4+79.95

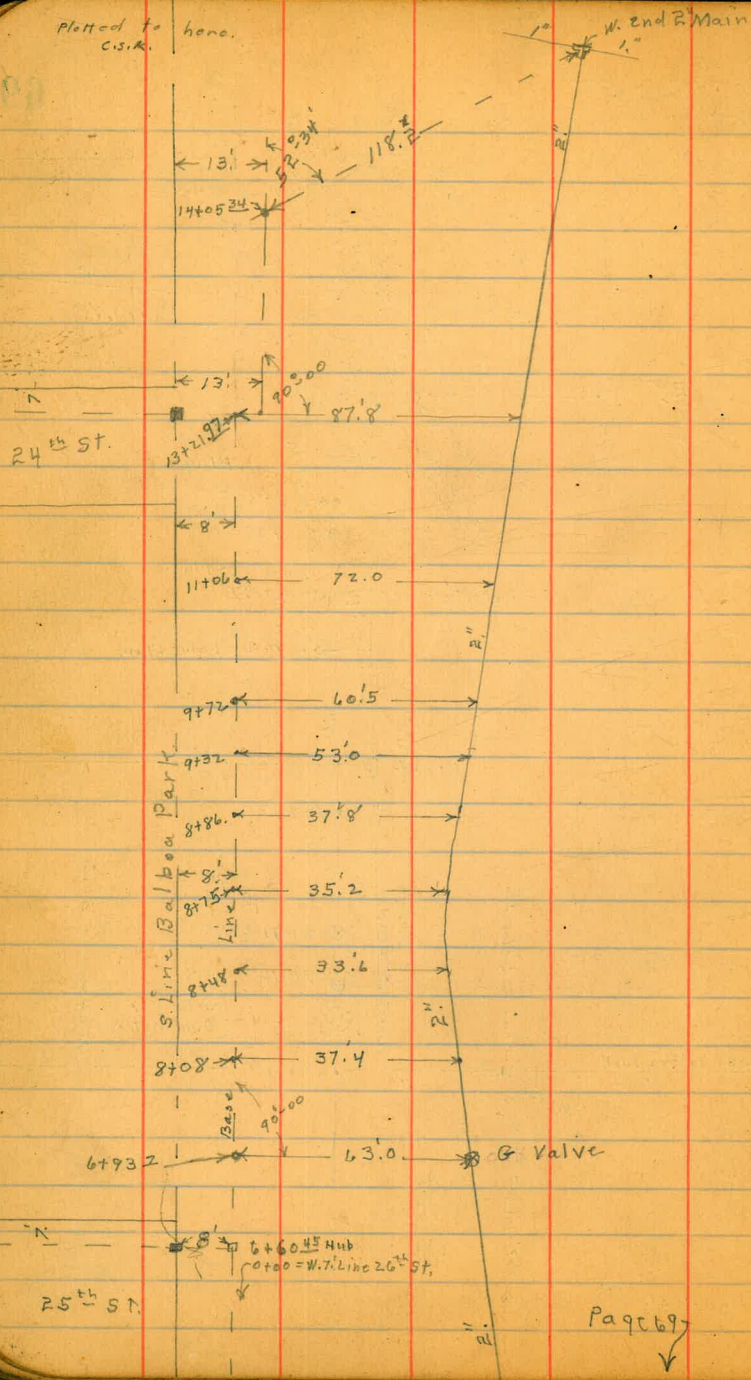
4+79.95

4+79.95

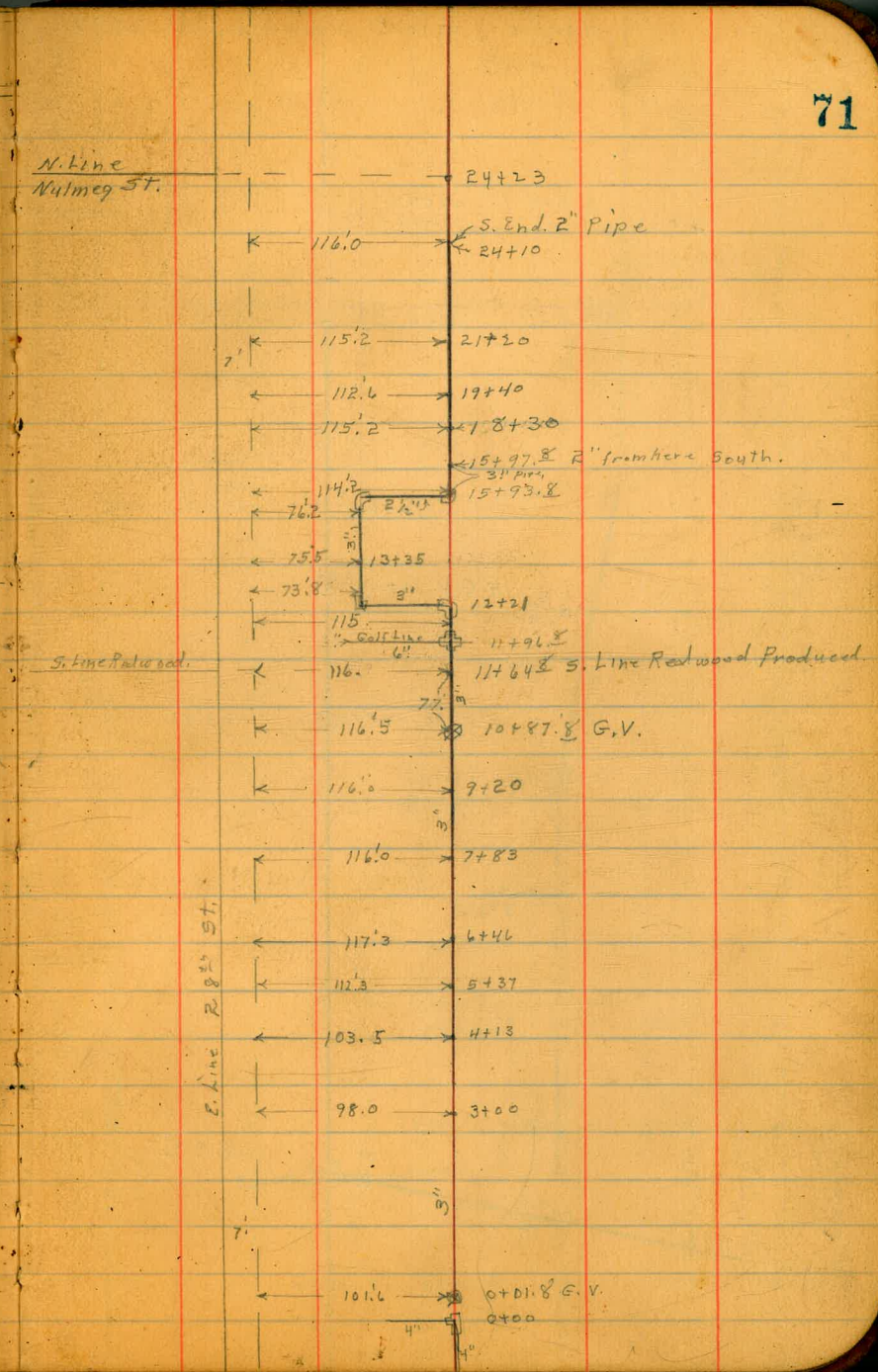
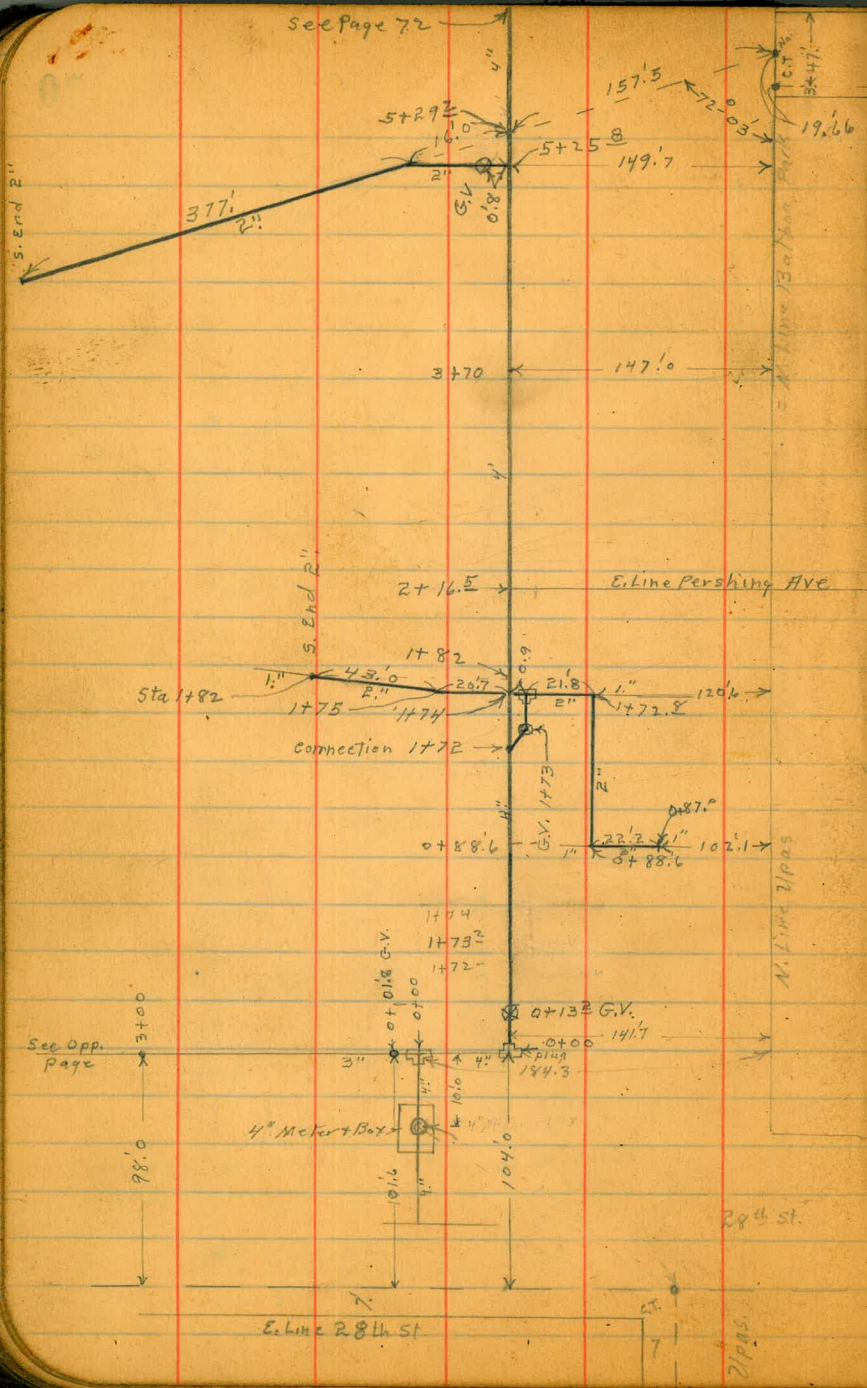
4+79.95

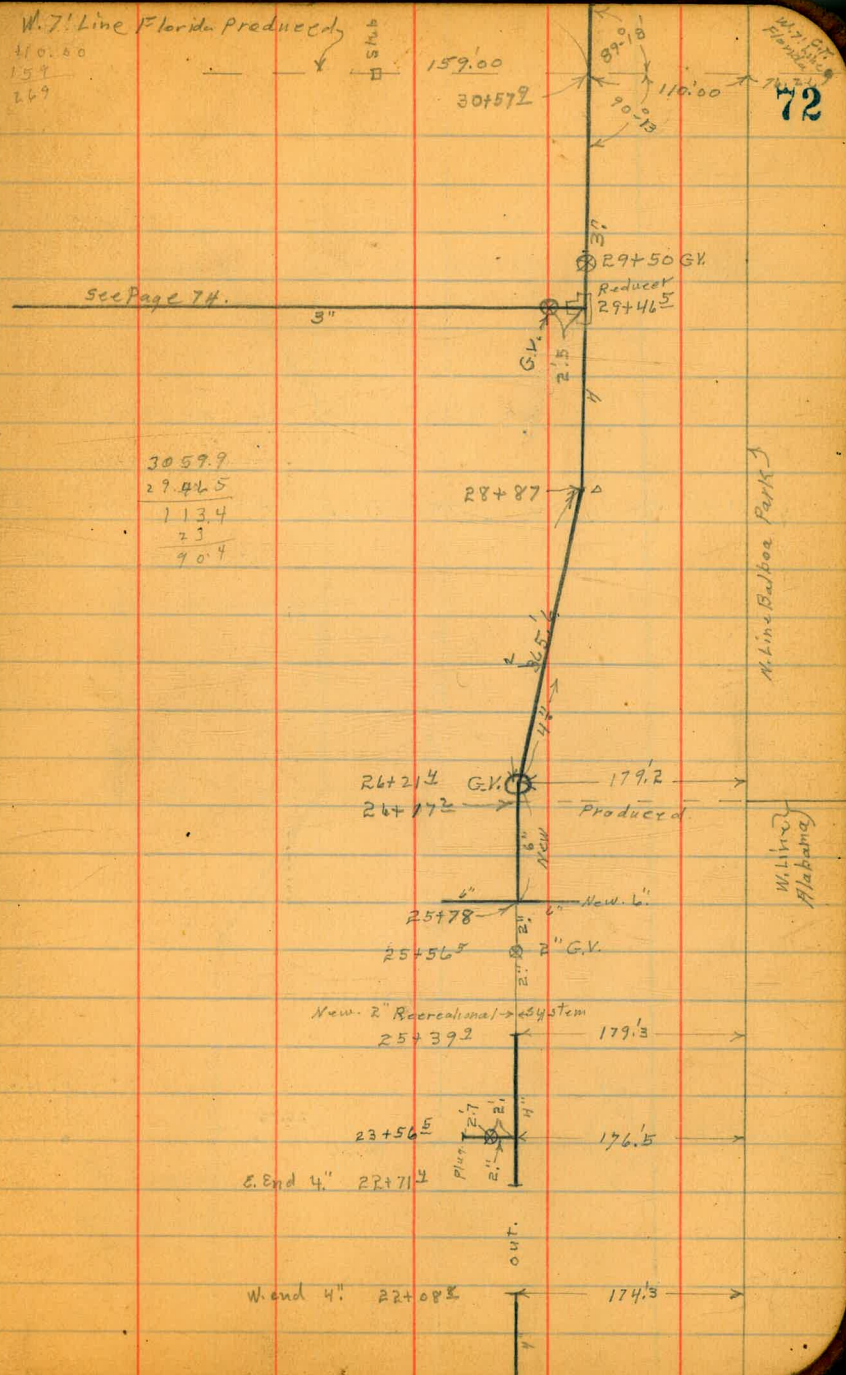
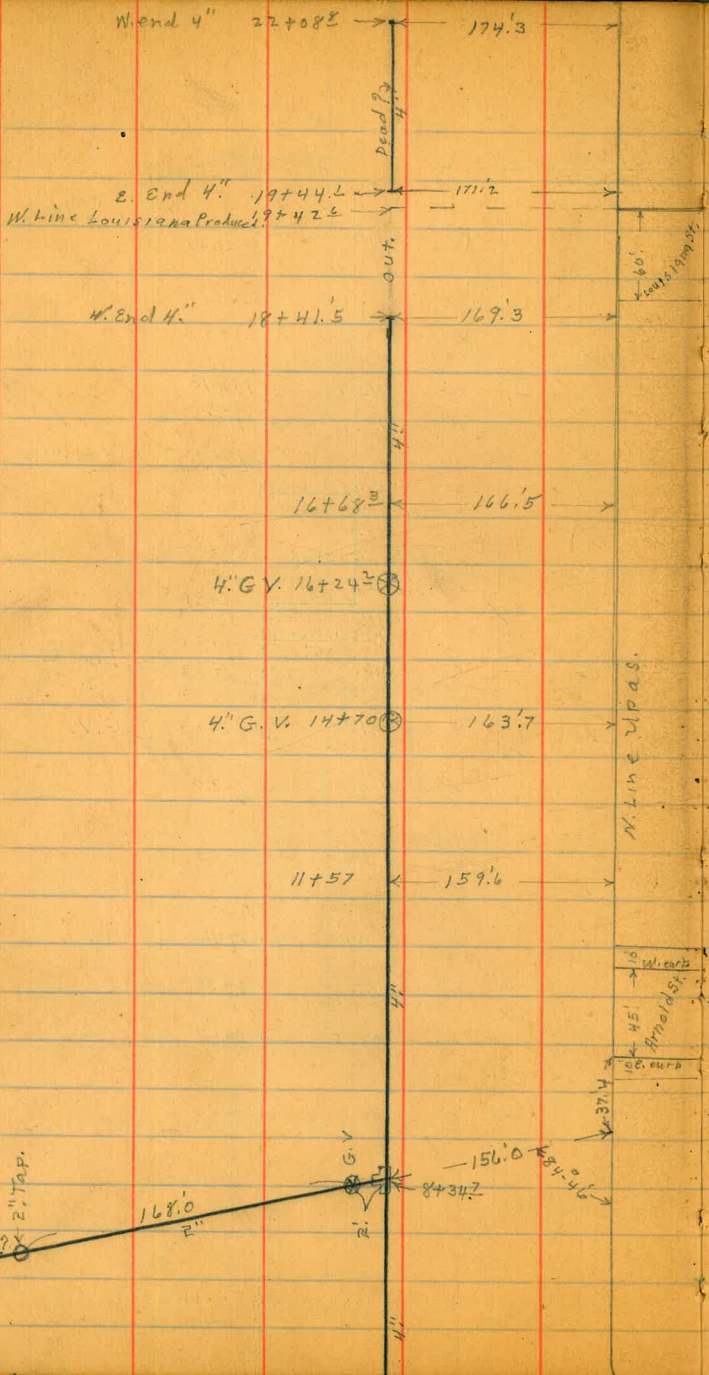


Plotted to here.  
C.S.R.



Page 69





W. 7" Line Florida Produced  
 410.00  
 159  
 269

3059.9  
 2942.5  
 113.4  
 23  
 90.4

72

See Page 74.

1" S. Side Road.  
 2" X Side Road.  
 2" TAP.

60'  
 100' 100' 50'

M. Line 2 P.S.

10' W. curb  
 4' 45" 100' 50'  
 10' E. curb

M. Line Barbera Park

M. Line Alabama

159.00  
 30572

89.95  
 110.00  
 90.95

29+50 G.V.  
 Reducer  
 29+46.5

28+87

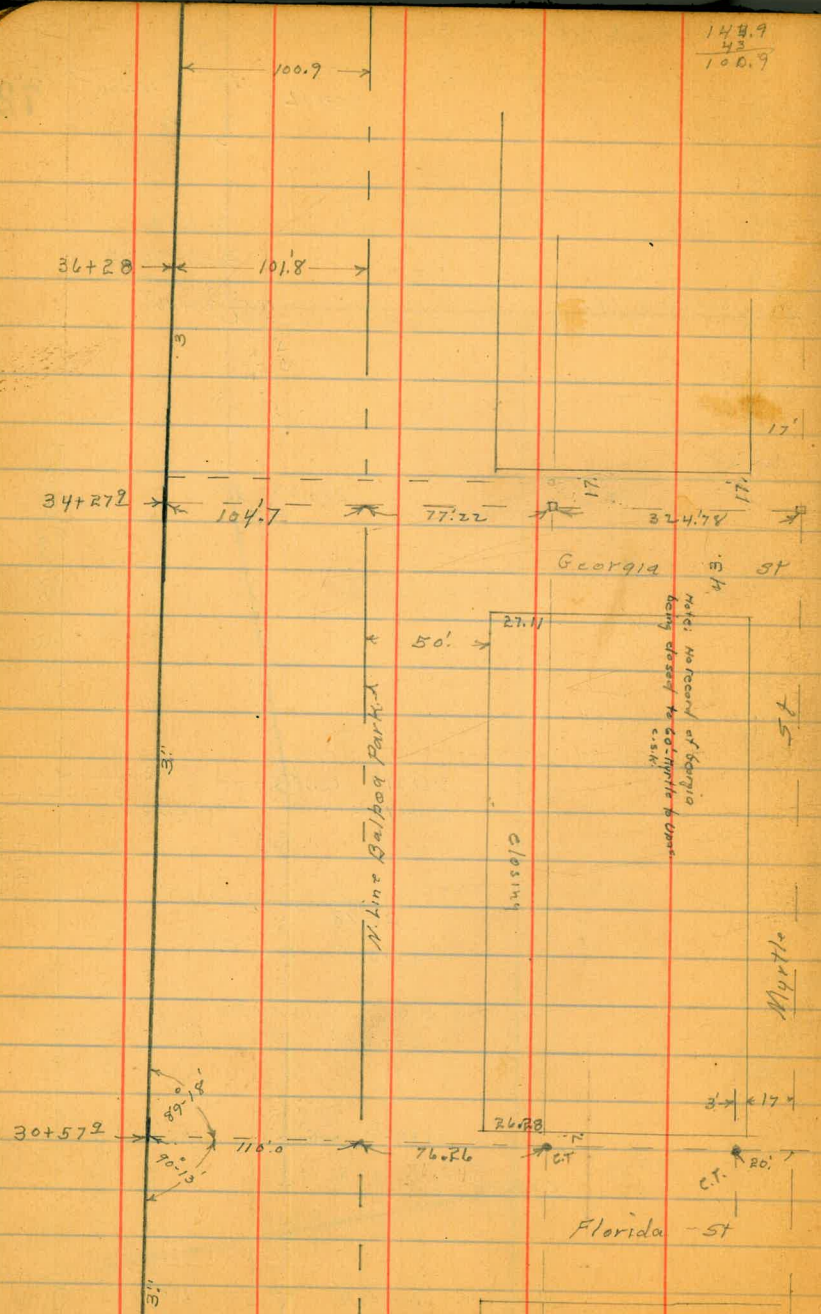
26+214 G.V.  
 26+172 Produced

25+78 New 6"  
 25+56.5 " G.V.

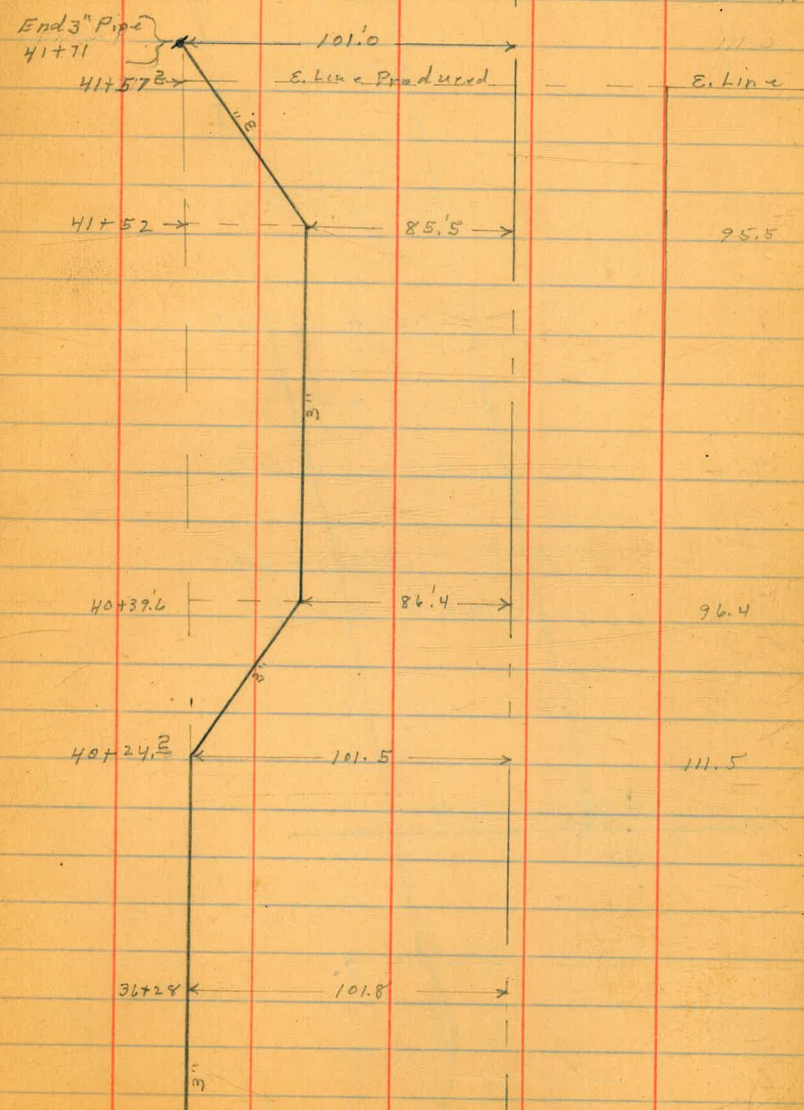
New 2" Recreational system  
 25+39.2 179.3

23+56.5  
 22+71.4

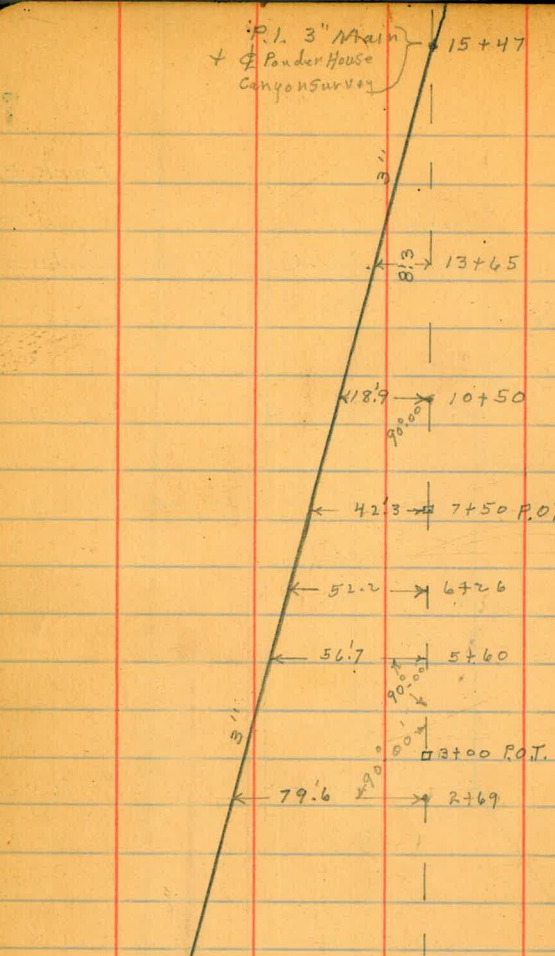
W. end 4" 22+08.8 174.3



$\frac{4039.6}{112.8}$      $\frac{4171.1}{13.8}$   
 4152.0    4157.2



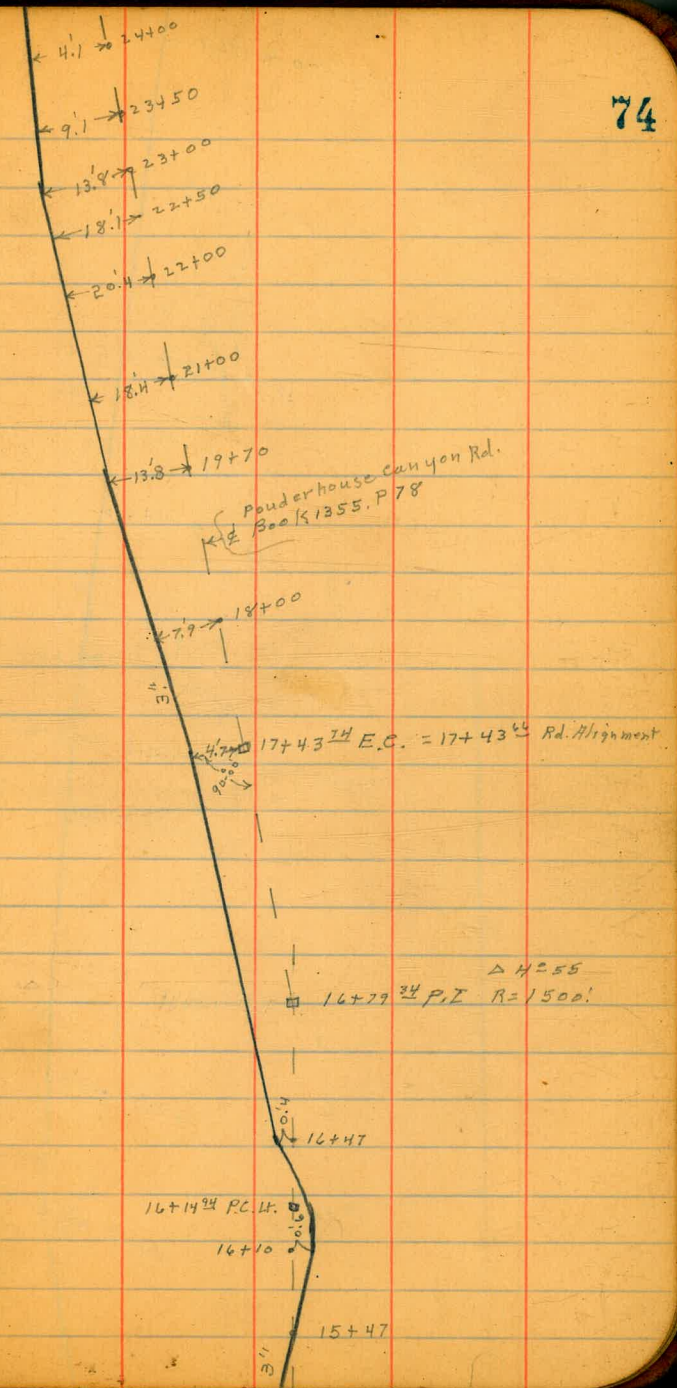
P.I. 3" Main  
 + Powder House  
 Canyon Survey



Alignment.  
 6200 Powder House Canyon Rd.  
 Book K. 1355 - Page 78.

Florida St. Produced.  
 ST.

Upas.

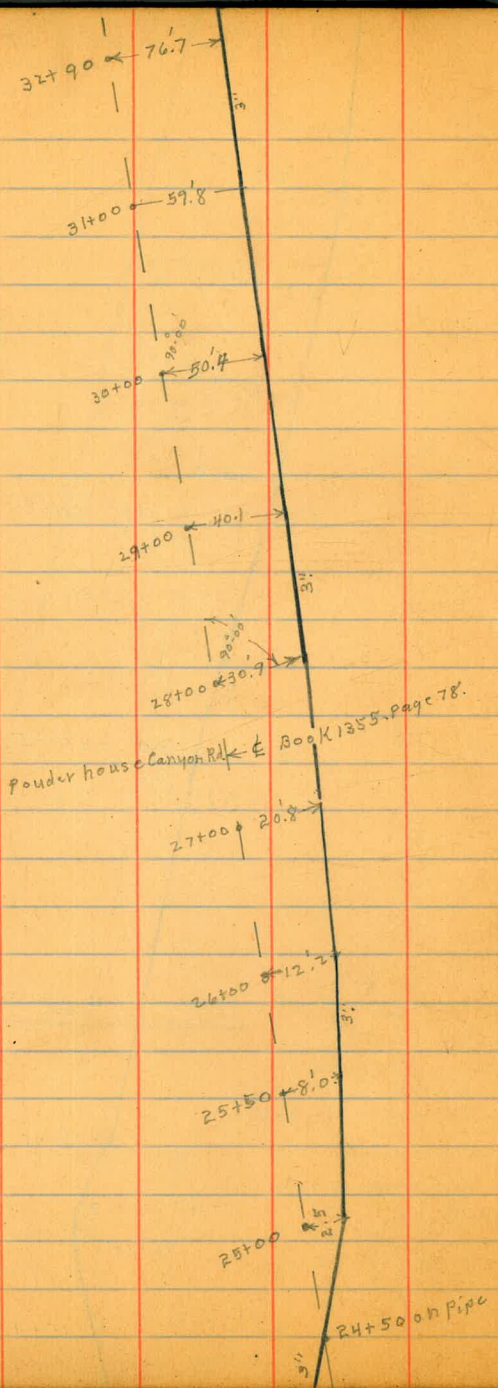


Powder House Canyon Rd.  
 Book K. 1355, P. 78

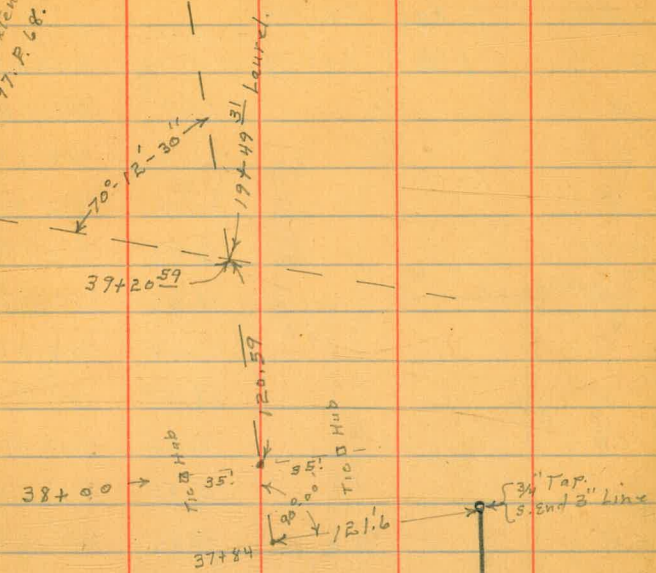
17+43<sup>24</sup> E.C. = 17+43<sup>66</sup> Rd. Alignment

Δ H = 55  
 16+79<sup>24</sup> P.I. R = 1500'

16+14<sup>24</sup> P.C.H.  
 16+10



(d) Laurel St. extension  
 Book 1397, P. 68.





Levels for sewer line  
From golf club  
+ 4.I

EL. = A

270.05

B.M.	+ 4.I	+	Exc.	Gr	Cut
	1.50	221.55			
	+	H.I	Exc.	Gr	Cut
	1.69	221.74	220.05		
0+0	See p. 78	10.9	210.8	207.5	3.3
0+15	RR	13.3	208.4		
0	-0.02	209.60	12.12	209.62	
0+25		4.88	204.72	201.0	3.72
0+34.1 = new angle pt					
0	0.09	197.06	12.63	196.97	
0+50		7.24	189.82	186.0	3.82
0	0.65	185.04	12.67	184.39	
0+75	RR	8.78	176.26	172.0	4.26
0	-0.28	172.15	12.61	172.43	
1+0		10.31	161.84	158.0	3.84
0	0.05	159.21	12.79	159.16	
1+25		9.94	149.27	149.0	5.27
0	0.45	146.83	12.83	146.38	
1+50		7.73	139.10	135.0	4.1
0	0.18	134.43	12.58	134.25	
1+75		4.28	130.15	126.0	4.15
1+80		6.6	127.8		
2+0		8.16	126.27	122.5	3.77
2+10		9.8	124.6	119.0	
2+25		10.2	124.2		
2+35		9.4	125.0		
2+40		1.42	123.57	122.15	
2+50					

Cont page 77

Indexed  
C.S.N.

+ H1

2+50

2+55

2+75

3+02.5

3+02.5

2+75

2+50

2+15

2+0

1+75

1+50

1+25

1+0

0+75

0+50

0+34.1

0+25

0+0

3.55

6.4

7.09

8.05

11.16

ELCU

120.02

117.2

116.48

115.52

112.41

Gr

115.6

114.5

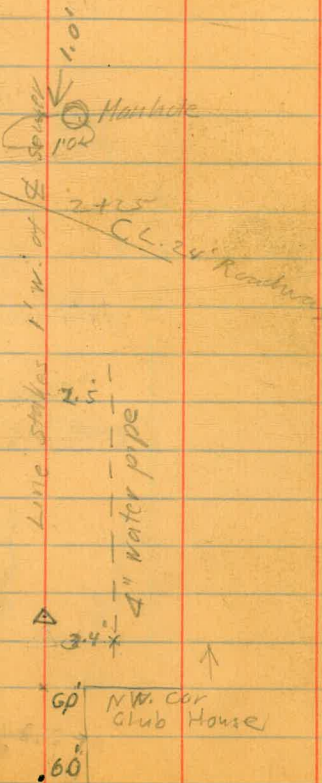
113.41

Cut

2.32

1.98

2.11



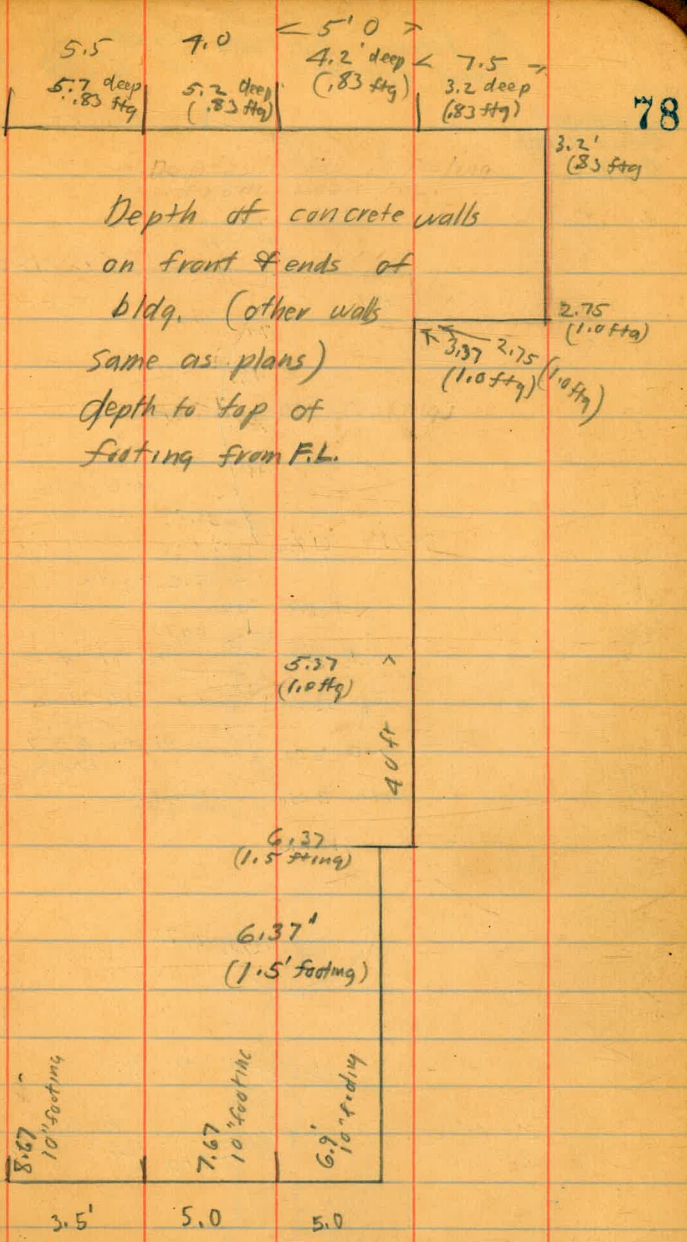


	+	H.I	-	Elev.	
BM	9.32	214.04		204.72	old Sta. 0+15 Gr. cut
Δ 0+39.1			14.18	199.86	
0+25			10.13	203.91	200.0
0+0 = ?			4.19	209.85	205.5
2.75' S x 6' W of N.W. cor. Club Bldg			<del>2.11</del>		
- 0+25			2.48	211.63	206.0
- 0+50			3.49	210.55	206.5
- 0+75			5.41	208.63	207.0
- 0+90			6.27	207.77	207.65

$$\begin{array}{r} 25 \\ 9 \\ \hline 14) 225 \end{array}$$

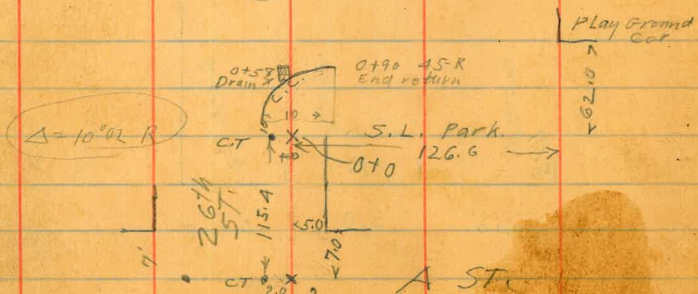
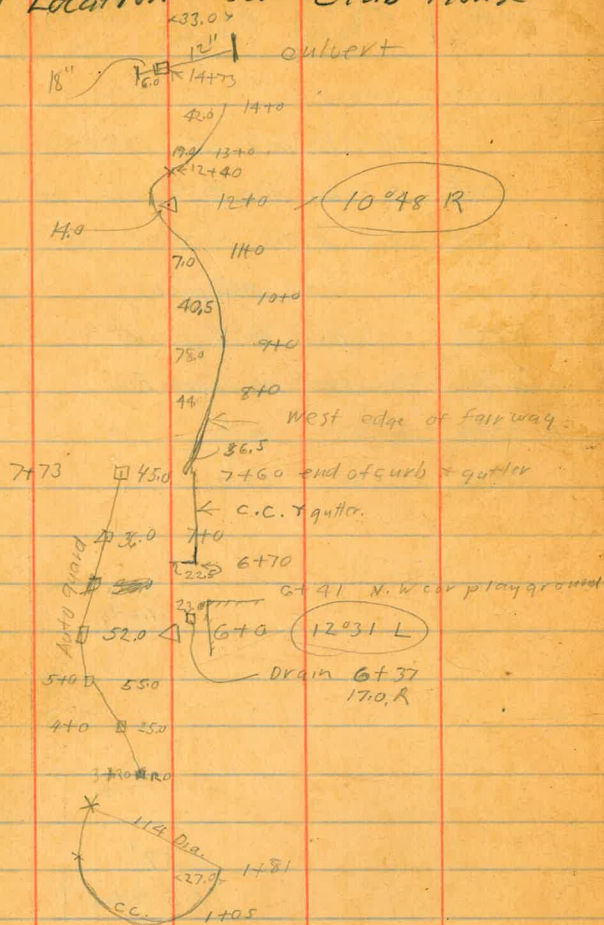
$$\begin{array}{r} 14 \\ 9 \\ \hline 25) 126 \\ 125 \\ \hline 1 \end{array}$$
 5.04

Asper  
Plan

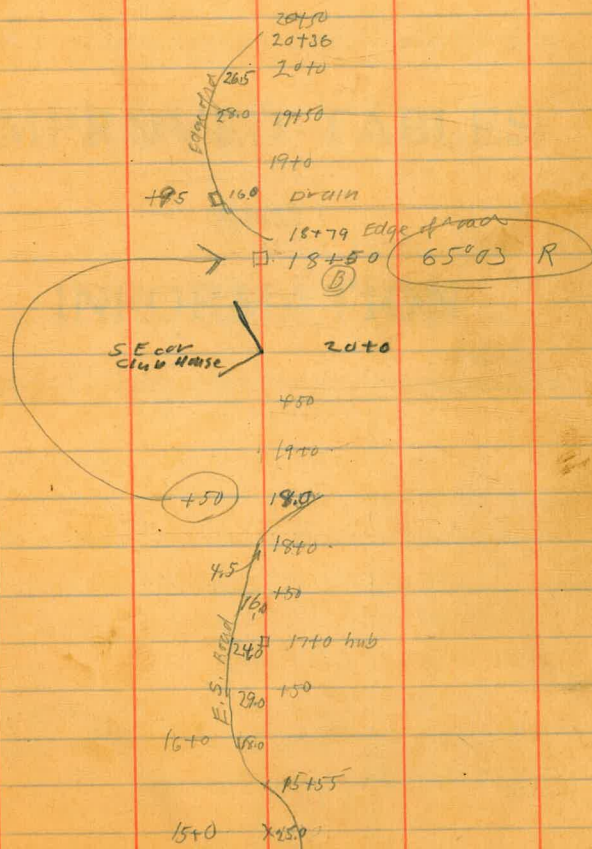


"A" line Balboa Park  
Road Location for Club House

John Court  
Ernest Mason  
Brookes



Indexed  
C.S.K.



See Book 1486

1453  
 1443 ✓  
 1375

1079.2  
 34.7  
 1045.0  
 52  
 1131.2

180-10-30  
 90-02  
 90-02-30  
 1935.6  
 7  
 42.6

60.6	64.6
26.9	40.6
33.7	4
29487	26.9
26421.4	33.7
365.6	60.6
	4.0
	64.6

2621.4  
 74.2  
 27.2

*Morgan*

16.4  
 39.9  
 56.5  
 36.28  
 34.28  
 200.

20143  
 37 5.3  
 37  
 1.60  
 1.48  
 120  
 111  
 90

0143  
 200  
 286.00  
 104.7  
 2.9  
 101.8

34.28  
 30.58  
 3.70

9.35  
 7.35  
 19.10  
 9.35  
 28.45

1321  
 p. 65