474

LEVEL BOOK

380

F.B. 474

IND

MICROFILMED
DEC 11 1964

Chalmers
near India

289.955 Kahuna S.E. cor. R.R.
280.003 Haw. S.E. cor. R.R.
735
287.45 H.I.
4.90
282.55

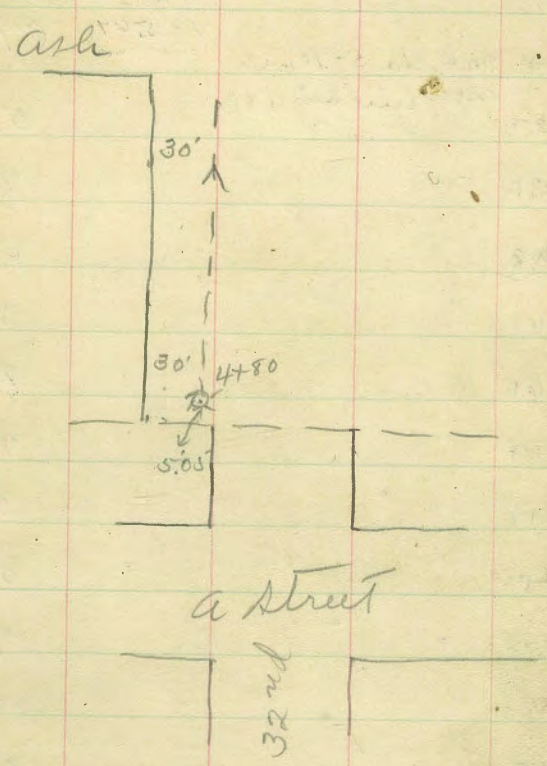
286.24
280.70
6.14

1 Sewer line on 32nd from sta north of ash to sta 4+80 5.05 from

Sta.			H.I.	Rod	Elev.
			145.82		
0+00	M.H. sta. 35+26.13 on Main Canyon line.			4.23	141.59
+34				6.6	
+45				7.1	
+50				6.7	
+69				4.8	
+79				2.8	
J.P.		10.45	156.15	0.12	145.70
+89				10.4	
1+00				7.0	
+20				5.3	
+50				4.3	
2+00				0.4	
S.P.		13.08	169.13	0.69	156.05
+50				8.2	
3+00				4.8	
+25				5.3	
+50				0.2	
J.P.		9.82	176.76	0.19	168.94
+74				6.1	
4+00				5.3	
+50				4.6	
+80	F.J. 5.05 north of Pueblo line			3.23	173.53

on main Canyon line mar/30/11 Childs Taylor Bunker

Pueblo line just north of A.



ENGINEERING DEPARTMENT,
CITY OF SAN DIEGO.
CALIFORNIA.

X

Canyon line from sta. 5+70 on alley line bet. A & B to mar. 30/11 { Chilits, Taylor, Bunker

Sta. 4+54 on alley line bet. B & C

Sta.			H.I.	Rod	Elev.
J.P.			135.69	8.96	134.73
0+00	M.H. sta 5+70 on alley line bet. A & B				
+27				5.4	
+30				7.5	
+36				6.4	
+41				7.0	
+45				8.3	
+48				9.7	
+50				9.8	
+56				9.5	
+70				8.5	
+80				10.3	
+82				11.4	
+86				10.6	
+93				8.3	
1+00				8.7	
+50				10.8	
2+00				9.2	
J.P.		2.67	125.35	13.01	122.68
+50				3.4	

Sta.			H.I.	Rod	Elev.
2+68			125.35	5.0	
3+00				5.1	
+30				8.7	
+50				13.1	
J.P.		2.70	115.70	12.35	113.00
+59				5.3	
+60				5.9	
+66				5.2	
+98.5	M.H. sta 4+54 on alley line bet B & C			6.49	109.21

L 37th st. & alley bet. 2 & Woodman ave. from 85' south of 2. to center alley & east to center of 38th 5' south of center of alley.

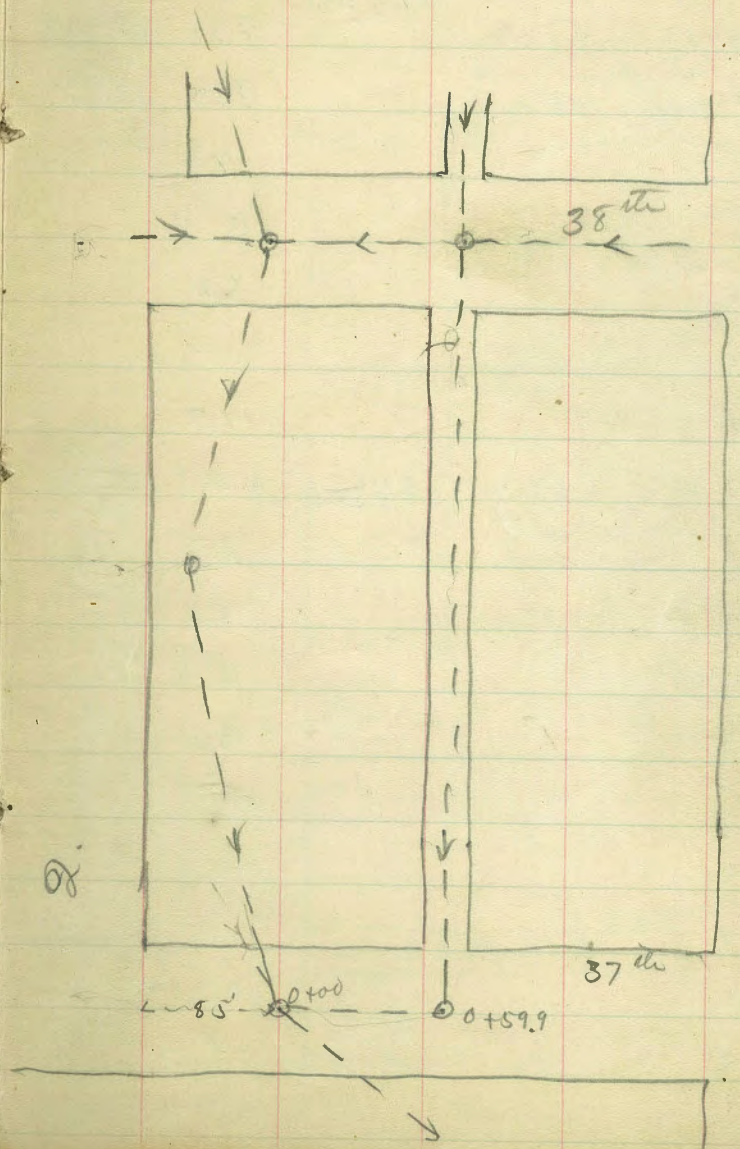
Nov. 22/12 Schields Taylor

Sta.		H.I.	Rod	Elev.
T.P. 0+00	M.H. 85' south of 2. & center of 37th	60.00	13.01	46.99
+38			8.8	
+50			6.2	
+59.9	M.H. center alley bet. 2 & Woodman & center of 37th	70.88	3.89	
T.P.		11.04	0.16	59.84
1+00			7.5	
+32			4.6	
+50			5.1	
2+00			5.0	
+50			4.8	
3+00			10.0	
+32			12.1	
+50			11.6	
4+00			7.5	
+01			6.2	
+50			3.5	
5+00			0.4	

Cont. from page 4

Sta.		H.I.	Rod	Elev.
T.P.	7.50	75.54	2.84	68.04
5+15			2.7	
+50			3.5	
+73			1.4	
6+00			4.2	
+50			6.8	
+71			7.7	
+84			11.3	
+93			6.6	
7+00			5.7	
+19.45 M.H. center of 38th			3.46	72.08

Nov. 22/12 { Schields, Taylor, Allen

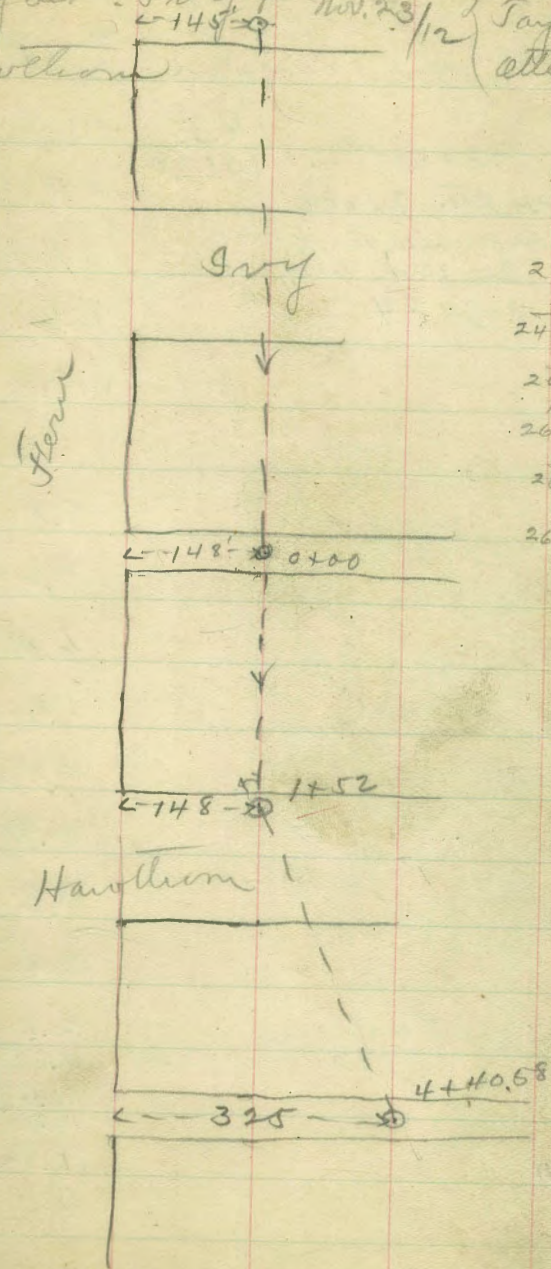


Change in line from center of alley bet. Ivy + Nov. 23/12 { Childs Taylor Otter

Hawthorn to center alley bet. Grape + Hawthorn

Sta.		H.I.	Rod	Elev.
		267.12		
0+00	M.H. center alley bet. Hawthorn + Ivy + 148' east of Fern.		7.72	259.40
+10			9.2	257.9
+35			7.1	
+45			3.5	
+50			3.4	
1+00			4.2	
+50			4.7	
+52	M.H. 2' so. of North line of Hawthorn	262.65	0.49	262.16
+68		262.65	1.5	
+71			2.1	
2+00			2.3	
+50			2.6	
+65			9.8	
3+00			13.0	
+50			14.4	
+90		249.51	13.3	
4+00		249.51	1.4	
+40.58			12.68	236.83

See book 370 page 7



236.83
12.68
249.51
.06
249.45 SP
13.20
262.65 HI
0.49
262.16 SP
4.96
267.12 HI

§ Sewer line up canyon to east brick yard, canyon to 5th &

Sta. 74+00 on main line up from University ave.

Nov. 25/12 { Childs, Taylor, Otten

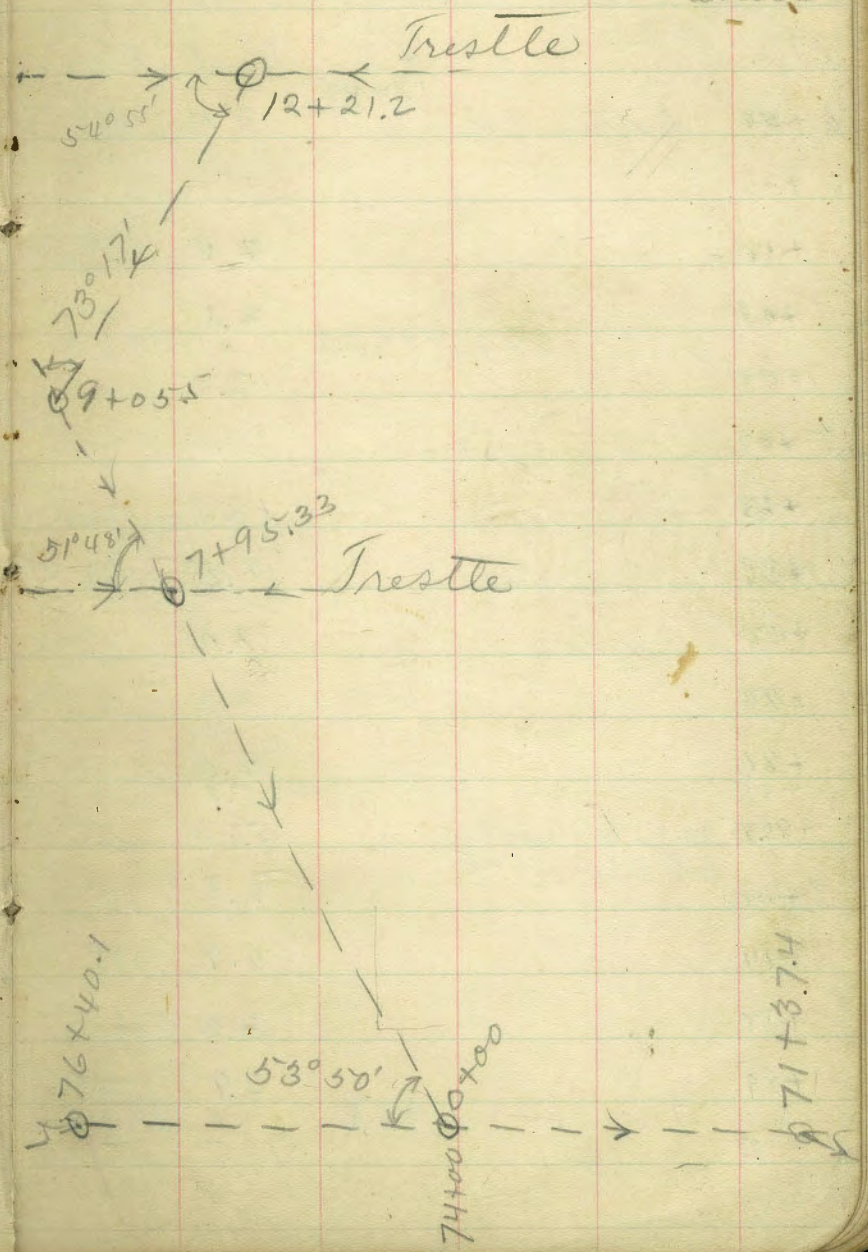
Sta.		H.I.	Rod	Elev.
J.P.	53° 50' R 31	151.58		140.27
0+00	M.H. Sta 74+00 on main line See book 810 Page 24		12.7	138.9
+20			13.0	138.6
+33			14.9	136.7
+42			11.9	139.7
+50			10.8	140.8
+63			8.0	143.6
+73			7.6	144.0
+76			6.0	145.6
+94			1.3	150.3
1+00			0.4	151.2
+20			0.7	150.9
+32			2.3	149.3
+50			2.6	149.0
2+00	about 4'.5 deep.		2.1	149.5
J.P.	13.0'	163.94	0.65	150.93
+50			11.4	152.5
+93			8.9	155.0
3+00			10.8	153.1
+02			8.0	155.9
+11			8.3	155.6
+39			7.8	156.1

Nov. 25/12 { Childs, Taylor, Otten

8

Cont. from page 7.

Sta.		H.I.	Rod	Elev.
		163.94		
3+50			7.5	156.4
4+00			2.7	161.2
+33			2.5	161.4
+50			4.4	159.5
+75	about 3' deep.		5.2	158.7
5+00			1.9	162.0
T.P.	12.69	174.45	2.18	161.76
+32			8.2	166.2
+45	bottom of draw.		12.0	162.4
			~~11.3~~	
+50			11.3	163.1
+63			10.4	164.0
+79			7.5	166.9
6+00			5.0	169.4
+31			3.3	171.1



Nov. 26/12 { Childs, Taylor, Allen

Cont. from page 8

Sta.		H.I.	Rod	Elev.
		174.45		
6+40	bottom of draw.		6.4	168.0
+50			4.8	169.6
+61			2.5	171.9
J.P.	13.09	186.43	1.11	173.34
7+00			13.0	173.4
+07	bottom of draw.		14.4	172.0
+13			12.9	173.5
+39			8.2	178.2
+50			7.0	179.4
+77			4.8	181.6
+80			6.0	180.4
+85			5.1	181.3
+95.33	M.H. center alley bet. albatross + 1st		5.64	180.8
8+00			6.8	179.6
+14			6.9	179.5
+50			3.2	183.2
+80			3.9	182.5
J.P.	11.73	198.06	0.10	186.33
9+00			10.7	187.4
+05.5	73° 17' R M.H. angle		9.33	188.8

Cont. from page 9

Sta		H.I.	Rod	Elev.
		198.06		
9+16			8.3	189.8
+50			9.3	188.8
10+00			7.1	191.0
+17			6.8	191.3
+50			4.8	193.3
11+00			1.1	197.0
5.8	13.08	210.84	0.30	197.76
+21			12.1	198.7
+50			9.2	201.6
+67			9.2	201.6
12+00			6.9	203.9
+21.2	M.H. center alley bet. 1st + 2nd.		5.65	205.2

Valley line bet. albatross & pt
Sta 7+95.33 to north end of
Sta.

Sta.			H.I. 186.43	Rod	Elev.
0+00	M.H. Sta 7+95.33 Campline			5.64	
+04				9.0	
+09				6.6	
J.P.		11.73	198.06	0.10	186.33
+50				6.0	
J.P.		12.97	211.02	0.01	198.05
1+00				3.1	
J.P.		12.93	223.25	0.70	210.32
+26				9.8	
+50				6.4	
2+00				3.0	
+33				4.9	
+50				2.5	
J.P.		12.91	234.96	1.20	222.05
3+00				10.1	
J.P.		7.06	241.92	0.10	234.86
+50				13.4	
4+00				3.0	
J.P.		12.82	253.81	0.93	240.99
+25	Ridgebell where pipe goes in ground			4.5	249.3
+35				0.9	

from bottom of canyon
trestle.

top pipe (6")

alley line bet. 1st & 2nd from of canyon to north end of Trestle

Sta.			H-I	Rod	Elev.
			210.84		
0+00	M.H. Sta	12+21.2		5.65	
J.P.		13.07	223.27	0.64	210.20
+50	on canyon line about 5' deep.			8.6	
J.P.		12.99	236.27	-0.01	223.28
1+00	about 6' deep.			4.4	
J.P.		13.06	248.88	0.45	235.82
J.P.		11.20	259.54	0.54	248.34
+50				8.0	
+67.5	end of cast iron pipe			3.2	256.3
+77.5	[illegible]			2.6	

Sta. 12+21.2 bottom

Nov. 26/12 { Childs, Taylor, Otten

12

Sewer on 31st from center alley bet. Juniper & Kalmia

to center of Kalmia

Nov. 29/12 Childs Taylor Otten

13

Sta.		H.I.	Rod	Elev.
J.P.	7.37	296.08		288.69
0+00	M.H. center 31st & alley bet. Kalmia & Juniper		6.03	290.03
+50			5.4	290.7
1+00			5.1	290.9
~~+41~~ 1.93	M.H. center of 31st & Kalmia		4.39	291.67

285,00

8

Kalmia street from center of Capitan ave to Nov. 29/12 {Childs Taylor Otten 14

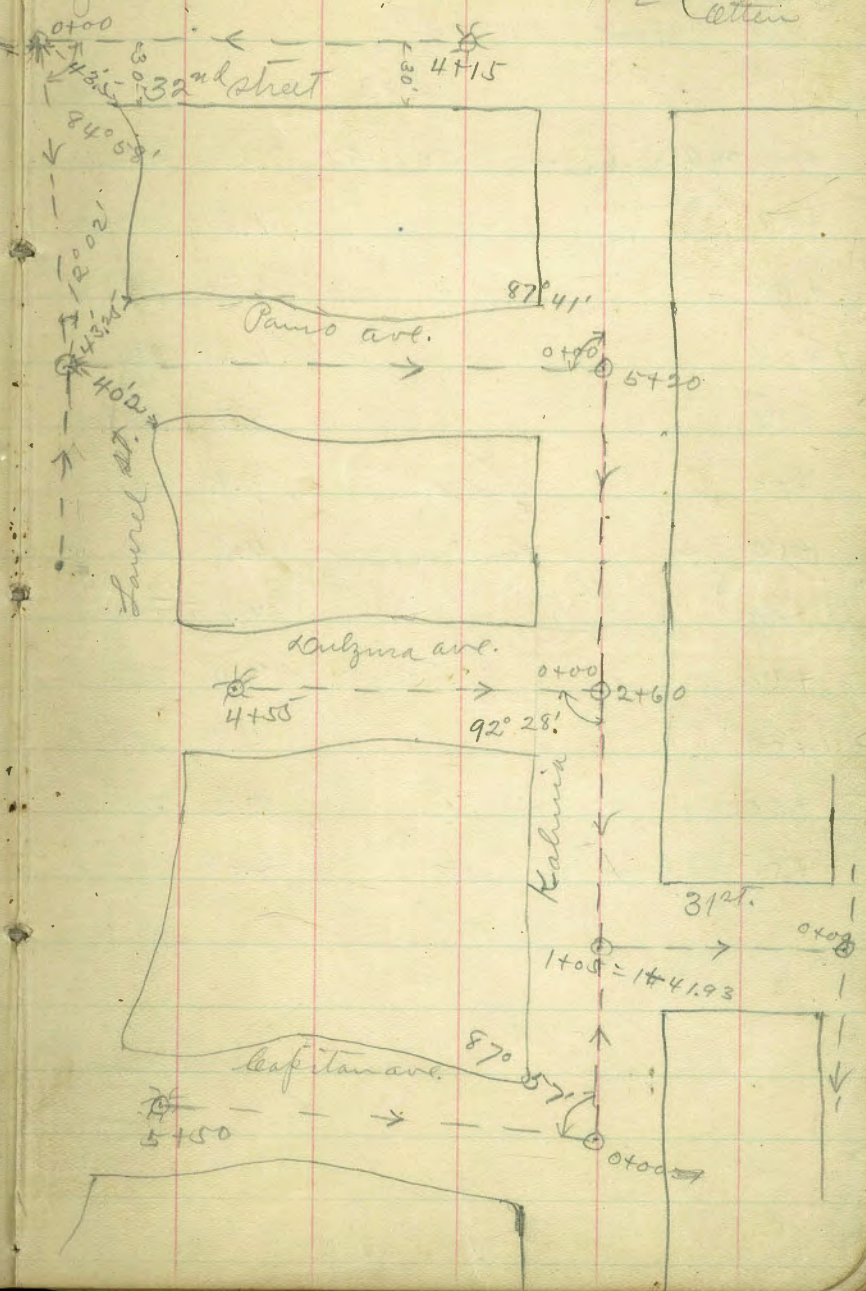
Center of Pamo. ave

Sta.		H.I. 296.06	Rod	Elev.
0+00	M.H. center of Capitan & Kalmia		5.28	290.78
+50			4.8	291.3
1+00			4.5	291.6
+05	M.H. center of 31st.		4.39	291.7
+50			4.0	292.1
2+00			3.4	292.7
+50			3.0	293.1
+60	M.H. center of Dulzura ave.		2.89	293.17
3+00			2.6	293.5
+50			2.3	293.8
4+00			1.9	294.2
+50			1.8	294.3
5+00			1.3	294.8
+20	M.H. center of Pamo ave.		1.12	294.94

Dec. 2/12 { Childs, Taylor, Otten

Capitan ave. from center of Kalmia to near Laurel.

Sta		H.I.	Rod	Elev.
0+00	M.H. center of Kalmia	297.58	6.80	290.78
+19			7.3	290.3
+50			6.3	291.3
1+00			5.9	291.7
+50			5.4	292.2
2+00			5.1	292.5
+50			4.8	292.8
3+00			4.7	292.9
+50			4.6	292.9
4+00			4.3	293.2
+50			3.9	293.7
5+00			3.5	294.1
+50	F.S. near Laurel.		3.24	294.34



I Dulzura ave. from center of Kalmia to near Laurel.

Dec. 2/12 Shields / Taylor / Allen

Sta.		H.I.	Rod	Elev.
0+00	M.H. center of Kalmia.	300.27	7.10	293.17
+19			7.9	292.4
+50			6.7	293.6
1+00			6.2	294.1
+50			5.7	294.6
2+00			5.1	295.2
+50			4.5	295.8
3+00			4.1	296.2
+50			3.4	296.9
4+00			2.9	297.4
+50			2.2	298.1
+55	F.S. near Laurel.		2.18	298.1

Pamo ave. from center of Kalmia to about center of Laurel. Dec. 3/12 { Childs Taylor Otten

17

Sta.		H.I.	Rod	Elev.
0+00	M.H. center of Kalmia	302.74	7.80	294.94
+19			8.8	293.9
+50			8.0	294.7
1+00			7.9	294.8
+50			7.8	294.9
2+00			7.5	295.2
+50			7.2	295.5
3+00			7.0	295.7
+50			6.8	295.9
4+00			6.8	295.9
+50			6.3	296.4
+74	M.H. near center of Laurel.		6.14	296.6

32nd street from near center of Laurel

Dec. 3/12 { Childs, Taylor, Otten

18

to near Kalmia.

Sta.		H.I. 30274	Rod	Elev.
0+00	M.H. near center of Laurel.		3.42	299.3
+50			3.4	299.3
1+00			3.5	299.2
+50			3.2	299.5
2+00			3.3	299.4
+50			3.1	299.6
3+00			3.3	299.4
+50			3.6	299.1
4+00			3.8	298.9
+15	F.S. near Kalmia		4.03	298.7

Laurel street from 30' east of west line of 32nd to near Dulzura ave.

Dec. 3/12 { Childs, Taylor, Otten

Sta		H.I. 302.74	Rod	Elev.
0+00	M.H. 30' east of west line of 32nd		3.42	299.3
+19			4.6	298.2
+50			4.4	298.3
1+00			4.9	297.8
+50			5.4	297.3
2+00			5.8	296.9
+50			6.4	296.3
+53			6.8	295.9
+71.9	M.H. near center of Pamo ave. 4.99	301.59	6.14	296.60
T.P. 3+00			5.0	296.6
+50			4.5	297.1
4+00			4.0	297.6
+50			3.5	297.1
5+00			3.0	298.6
+10	dead end. near Dulzura ave		3.10	298.5

510
272
238

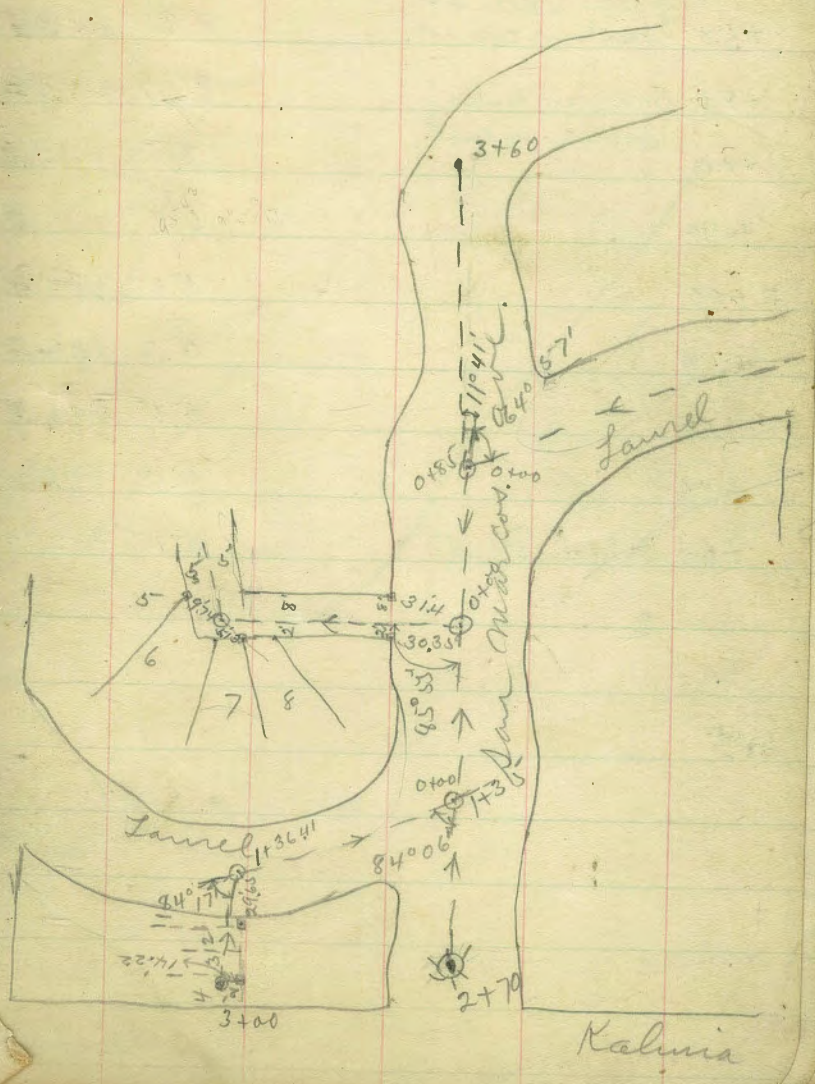
x San Marcos ave. from 3' south of center of alley in Blk. H. to near Kalmia

Dec. 3/12 { Childs, Taylor, Allen

Sta.		H.I.	Rod	Elev.
J.P.	3.05	297.39		294.34
0+00	M.H. 3' south of center of alley in Blk H + San Marcos ave.		9.20	288.2
+50			9.3	288.1
1+00			9.1	288.3
+35	M.H. near center of Laurel on west		9.15	288.24
+50			9.2	288.2
2+00			9.1	288.3
+50			9.1	288.3
3+00			9.1	288.3
+50			8.9	288.5
+70	F.S. near Kalmia		8.87	288.5

Continue to ℄ Kalmia

4+40



& San Marcos ave. from 3' south of center of alley in Blk. H. & San Marcos ave. to sta. 3+60 north of Laurel.

Dec. 3/12 { Childs, Taylor, Alter

Sta.		H.I.	Rod	Elev.
0+00	M.H. 3' south of center of alley in Blk. H & San Marcos ave.	297.39	9.20	288.19
+50			8.8	288.6
+85	M.H. near center of Laurel on east		8.07	289.32
1+00			7.5	289.9
+50			6.1	291.3
2+00			5.6	291.8
+50			5.2	292.2
3+00			5.5	291.9
+50			5.0	292.4
+60	dead end (hub)		5.15	292.24

Laurel St. - west of San Marcos

South along lot line.

Sta.		H.I.	Rod	Elev.
0+00	M.H. Laurel west & San Marcos ave.	297.96	9.72	288.24
+50			9.9	288.1
1+00			9.7	288.3
+36.41	M.H. in Laurel +		9.57	288.4
+50	2' west of lot line in Blk. G.		9.9	288.1
+62			8.6	289.4
+63			5.2	292.8
2+00			5.2	292.8
+50			5.1	292.9
3+00	deadend (Hub)		5.59	292.4

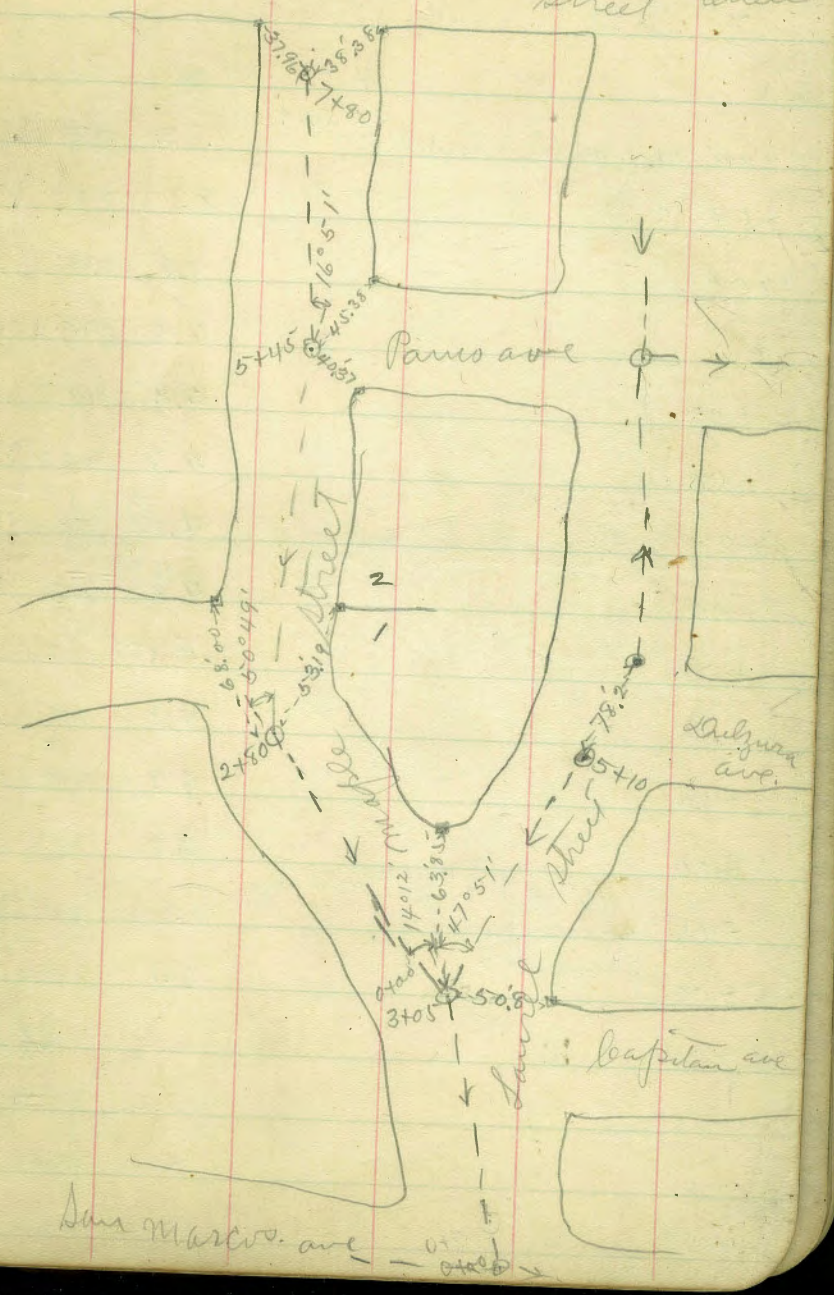
to 2' west of lot line +

Dec. 4/12 { Childs, Taylor, Allen

Laurel St. from San Marcos ave. to Dulzura ave.

Dec. 4/12 Childs Taylor Allen

sta.		H.I. 297.96	Rod	Elev.
0+00	M.H. at San Marcos ave & Laurel going east.		8.64	289.3
+10			9.2	288.8
+50			7.9	290.1
1+00			7.0	290.9
+50			6.2	291.8
2+00			5.1	292.9
+50			3.8	294.2
3+00			2.3	295.7
+05	M.H. Laurel & Maple. 9.73	305.49	2.20	295.76
J.P. +50			9.3	296.2
4+00			8.6	296.9
+50			8.1	297.4
~~4+95~~ ~~5+00~~	D.E.		7.5	297.9
~~4+10~~	dead end (hub)		7.29	298.2



Maple Street from Laurel to 32nd Street

Dec. 4/12 } Childs Taylor Allen

Sta.		H.I. 305.49	Rod	Elev.
0+00	M.H. Maple & Laurel		9.73	295.8
+50			8.4	297.1
1+00			7.8	297.7
+50			6.6	298.9
2+00			5.5	299.9
+50			4.9	300.6
+80	50° 49' R M.H. near Burlingame drive		4.78	300.7
3+00			4.8	300.7
+50			5.5	299.9
4+00			5.9	299.6
+50			6.3	299.2
5+00			6.6	298.9
+45	16° 51' L M.H. near center of Pamo ave. not less than 4' deep.		6.83	298.66
5+50			6.7	298.8
6+00			6.6	298.9
+50			6.2	299.3
7+00			5.6	299.9
+50			4.9	300.6
+80	M.J. near 32nd st.		4.72	300.77

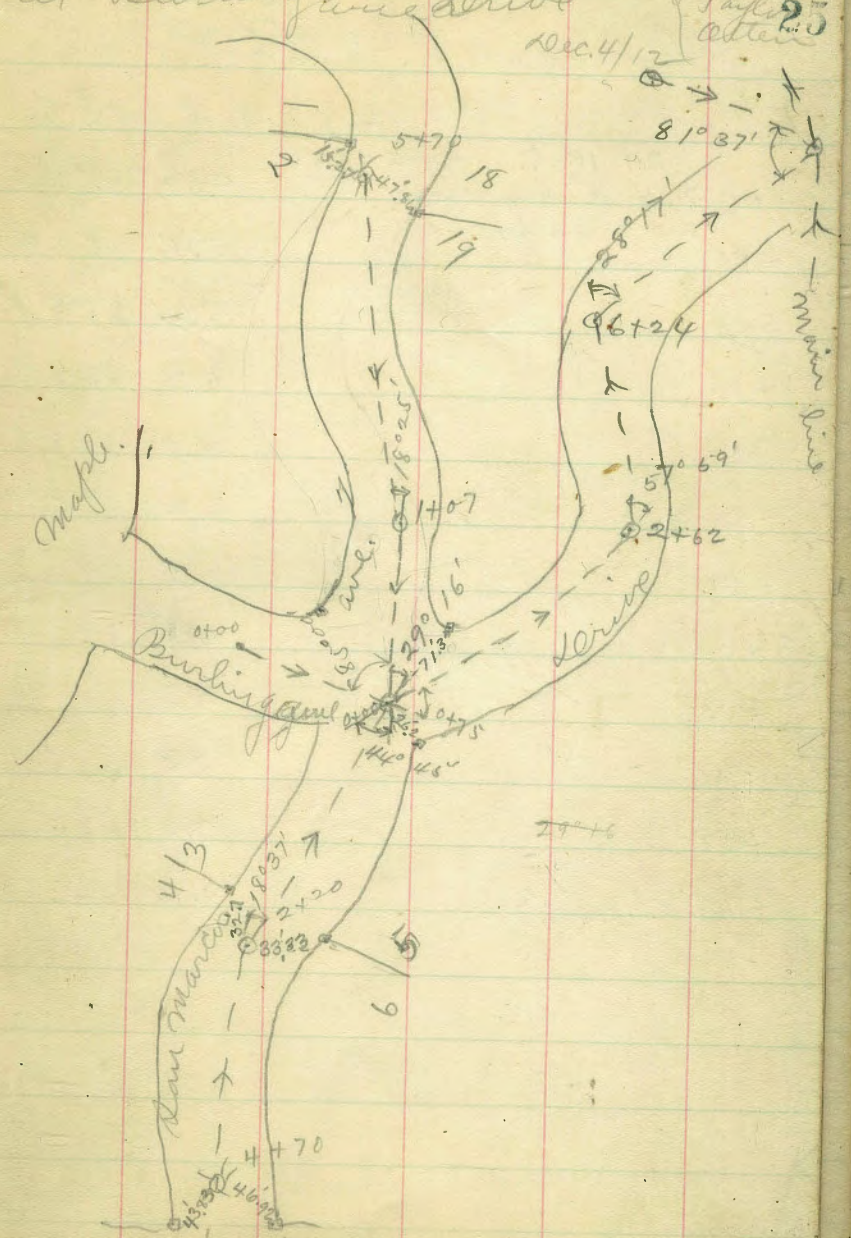
San Marcos ave. from M.H. at Burlingame Drive west to Sta. 5+70

Childs
Taylor
Otten

Sta.		H.I.	Rod	Elev.
	29° 16' L 1.11	293.35		292.24
0+00	M.H. at San Marcos + Burlingame Drive	drop M.H.	5.69	287.66
+50			5.0	288.4
1+00			4.4	288.9
	18° 25' L			
+07	M.H.		4.41	288.9
+50			3.9	289.5
2+00			3.5	289.9
+50	0.8 % grade		2.9	290.5
3+00			2.6	290.8
+50			3.5	289.8
4+00			3.3	290.1
+50			2.1	291.3
5+00			1.2	292.2
+50			1.3	292.1
+80	F.S. about 5' deep.		1.70	291.65

362
187
140
689

140
187
327



X San Marcos ave. from M.H. at Burlingame Dec. 5/12 { Childs Taylor Ottein

Drive east to 32nd.

Sta.		H.I. 293.35	Rod	Elev.
0+00	29° 16' R M.H. at San Marcos ave & Burlingame drive		5.69	287.66
+50		drop M.H.	5.4	287.9
1+00			5.4	287.9
+50			5.7	287.7
2+00			6.0	287.4
+20	18° 37' L M.H.		6.21	287.14
+50			6.5	286.9
3+00	0.4% grade.		6.8	286.6
+50			7.2	286.2
4+00			7.4	285.9
+50			7.8	285.6
+70	about 5' deep F.J. near 32nd.		8.10	285.25

Burlingame Drive from 75' South of M.H. Dec. 5/12 Childs Taylor Otten
at San Marcos. to bottom of Canyon at main Sewer.

Sta.			H.I.	Rod	Elev.
			293,35		
0+00	dead end (hub)			1.44	291.9
+50				4.9	288.5
+75	M.H. at San Marcos			5.69	287.66
J.P.	ave.	0,32	drop M.H.		
1+00			287.98	1.4	286.8
+50				3.0	284.9
2+00				7.7	280.3
+50				12.2	275.8
	57° 59' L				
+62	M.H.			12.99	274.99
J.P.		0.24	275.23		
3+00				4.3	270.9
+50				9.4	265.8
J.P.		0.90	263.08	13.05	262.18
4+00				1.6	261.5
+50				6.0	257.1
5+00				11.2	251.9
J.P.		0.39	250.84	12.63	250.45
+50				3.8	247.0
6+00				9.8	241.0
	28° 17 R				
+24	M.H.			12.75	238.09
J.P.		0.02	238.11		
+50				2.4	235.7

Cont. from page 27

Dec. 5/12 { Childs, Taylor, Otten

23

Sta.		H.I.	Rod	Elev.
7+00		238.11		
			7.5	230.6
+50				
			13.2	224.9
T.P.	0.13	225.17		
8+00			13.07	225.04
			5.7	219.5
+50				
			10.7	214.5
+70				
			13.1	212.1
T.P.	0.81	213.09		
9+00			12.89	212.28
			6.7	206.4
+50				
			8.6	204.5
+56				
			10.1	202.9
+59				
			11.4	201.7
+64				
			10.0	203.1
+72.5	M.H. on main			
	camp line just west of bridge		8.02	205.07

X Sewer in canyon from main line and in alley in Blk. H to M.H. Sta. 0+00 on San Marcos. ave.

Dec. 6/12 { Childs, Taylor, Otten ??

see page 20

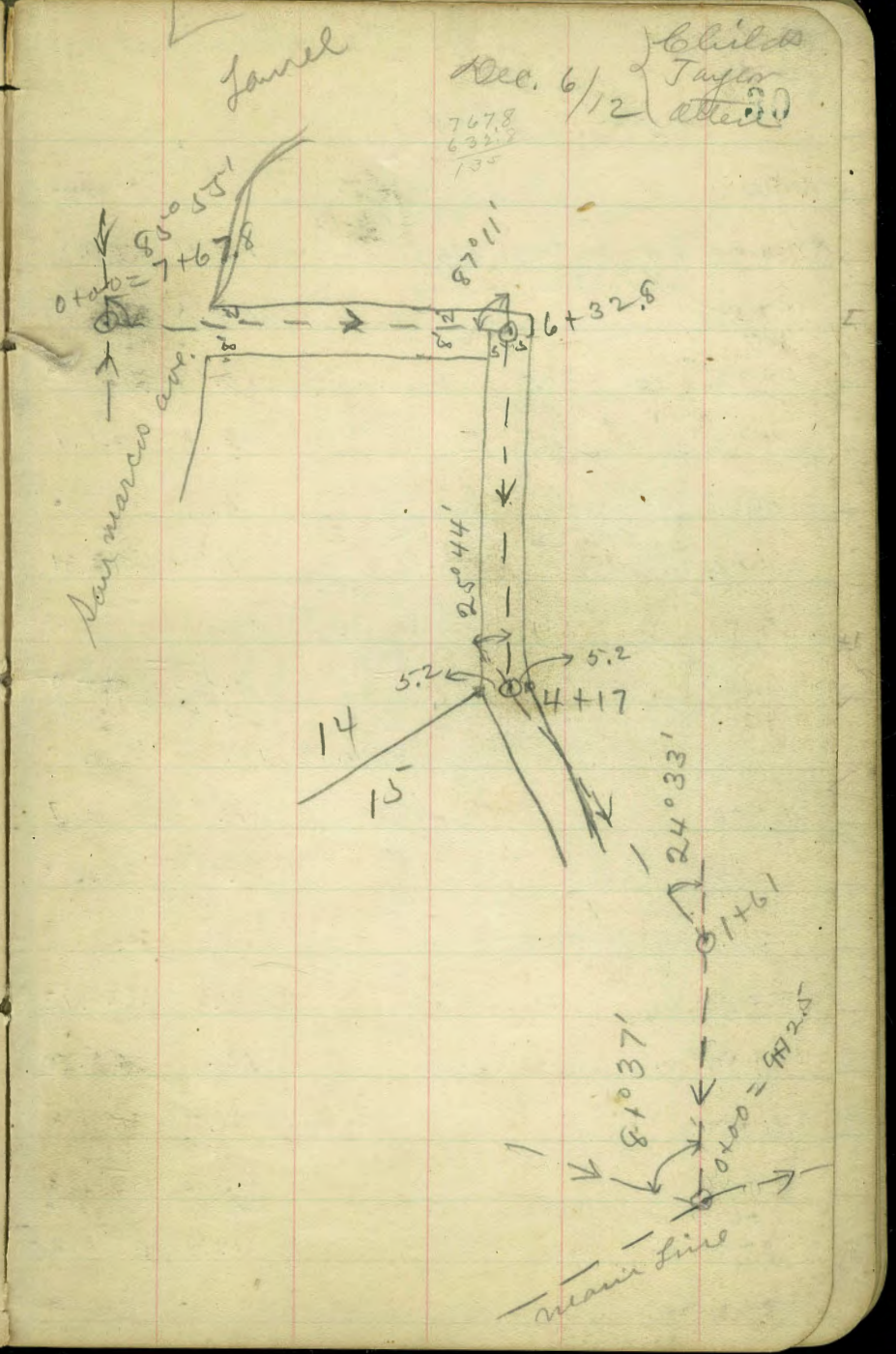
Sta.		H.I.	Rod	Elev.	
0+00	M.H. on main line = Sta 9+72.5 on page 28	217.24	12.17	205.07	
+12			15.4	201.8	
+21			13.2	204.1	
+50			13.0	204.2	
+69			11.4	205.8	
1+00			5.6	211.6	
+39			0.3	216.9	
T.P.	12.86	229.80	0.30	216.94	
+50			10.0	219.8	
+61	M.H. Just west of bridge in side draw by water pipe in bottom of draw.		10.76	219.1	
2+00			11.1	218.7	about 1' below grade of pipe
+13			8.7	221.1	
+35			6.8	223.0	
+50			3.0	226.8	
T.P.	13.04	242.45	0.39	229.41	
3+00			11.2	231.3	
+20			8.2	234.3	
+30			3.5	238.9	
T.P.	12.37	253.66	1.16	241.29	
+40			12.4	241.3	

N/H #24 - End Contract

24° 33' L

Cont. from page 29

Sta.		H.I.	Rod	Elev.
		253.66		
3+50			13.9	239.8
4+00	MH. 1		3.6	250.1
S.P.	25° 44' R 11.45	264.66	0.45	253.21
+17	M.H. center alley (about 10' deep)		10.81	253.9
	at angle bet. lots			
+50	14+15' Blk. H.		9.9	254.8
5+00			8.0	256.7
+39	about 10' deep,		1.4	263.3
S.P.	12.64	277.15	0.15	264.51
+46			5.1	272.1
+50			2.6	274.6
S.P.	11.88	289.03	0.00	277.15
S.P.	7.63	295.97	0.69	288.34
+77			5.3	290.7
+83			5.3	290.7
+84			6.0	289.9
6+00	MH #2. 87° 11' L		5.9	290.1
+32.8	M.H. center alley		5.99	289.9
+50	North + 3' south of center alley east		5.8	290.2
7+00			5.1	290.9
+35			5.9	290.1
+39			7.6	288.4
+50			8.8	287.2
+67.8	M.H. near center San Marcos ave.		7.76	288.21



Dwight street from alley bet. arnold & walker to center of Idaho.

Jan 13/13

Childs
Taylor
Otten

31

Sta.		H.I.	Rod	Ground	Grade	cut
		306.19				
0+00	M.H. center of alley bet. walker & arnold		15.4	290.8	287.0	3.8
+50			12.5	293.7	288.52	5.2
1+00			11.17	295.02	290.04	5.0
+50			8.8	297.4	291.56	5.8
+64.5	M.H. center of walker		8.6	297.6	292.00	5.6
2+00			7.88	298.31	294.78	3.5
+50		313.23	10.38	302.85	298.70	4.2
3+00			5.53	307.70	302.61	5.1
+30.4	M.H. center alley		2.5	310.7	305.00	5.7
+50	bet. walker & Oregon	324.53	11.93	312.60	307.13	5.5
4+00			6.96	317.57	312.56	5.0
+50	break		2.05	322.48	318.0	4.5
+95.35	~~M.H. center of Oregon~~	336.35				
5+00			12.42	323.93	319.42	4.5
+50			10.75	325.60	320.85	4.8
6+00			8.9	327.5	322.27	5.2
+50			6.97	329.38	323.70	5.7
+60.4	M.H. center alley bet.		6.5	329.9	324.00	5.9
7+00	Oregon & Idaho.		4.8	331.6	325.69	5.9

295.02
~~4.40~~
299.42 H.I.
288.52
10.90

292.00
7.42

290.04
9.38

291.56
7.86

298.31
7.89
306.20 H.I.
294.78
11.42

298.70
7.50

302.61
3.59

165.05

307.70
8.20
315.90 H.I.
305.00
10.90

312.60
7.18
319.78 H.I.
307.13
12.65

312.56
7.22

318.00
1.78

324.00
7.97

319.42
0.36

325.60
6.37
331.97 H.I.
322.27
9.70

325.60
3.37
328.97 H.I.
320.85
8.12

Cont. from page 31

Jan 13/13 { Childs Tayes Otten

Sta.		H.I.	Rod	Ground	Grade	cut
		336.35				
7+50			2.90	333.45	327.82 ✓	5.6
8+00			1.3	335.1	329.96	5.1
+07.9	M.H. center of Idaho.		1.2	335.2	330.30 ✓	4.9

333.45
5.14
338.59 3.4
3.9
334.7 335.2

329.71
8.86
338.57 HI.
325.69
12.88 ✓
327.82
10.75 ✓
330.30
8.27 ✓

30'
Idaho
alley 25'
~~oregon~~ 25'
alley 25'
wallace 25'

147.5

X walker street from center of Dwight to Villa Terrace Jan 14/13 { Childs Taylor Otten 35

sta 10+00

sta			H.I	Rod	Ground	Grade	cut
0+00	M.H. center of Dwight		306.19	8.6	297.6	292.0	5.6
+50				7.49	298.70	293.44	5.3
1+00				5.6	300.6	294.88	5.7
+50				3.8	302.4	296.32	6.1
2+00				1.65	304.54	297.76	6.8
J.P.		11.58	317.79	-0.02	306.21		
+50				11.5	306.3	299.20	7.1
3+00				10.54	307.25	300.64	6.6
+30	Nail 4' M.H.			10.4	307.4	301.50	5.9
+50				10.7	307.1	302.08	5.0
4+00				9.42	308.37	303.53	4.9
+50				9.2	308.6	304.97	3.6
5+00				7.42	310.37	306.41	4.0
+50				5.2	312.6	307.85	4.8
6+00				3.4	314.4	309.30	5.1
+50				1.12	316.67	310.74	6.0
J.P.	Nail 4'	10.41	327.08				
+59.2	M.H center of Landis			10.0	317.1	311.00	6.1
7+00				9.8	317.3	311.65	5.7

299.42 H.I. 298.70
5.56
293.44 304.26 H.I.
5.98 393.44
10.82

294.88 296.32 297.76
9.38 7.94 6.50

307.25 300.64
4.41 11.02
311.66 H.I. 302.08
299.20 301.50 9.58
12.46 10.16

304.97 303.53
6.69 8.13

306.41 307.85
5.25 3.81

309.30 ~~0.66~~ 311.0
2.36 0.66

316.67
4.54
321.21 H.I. 311.65
9.56
311.00
10.21

Cont. from page 33

Jan 14/13 { Childs, Taylor, Otten

Sta	H.I.	Rod	Ground	Grade	cut
	327.08				
7+50		9.06	318.02	312.46 ✓	5.6
8+00		8.4	318.7	313.27 ✓	5.4
+50		6.32	320.76	314.08 ✓	6.7
9+00		5.0	322.1	314.89 ✓	7.2
+50		3.73	323.35	315.70 ✓	7.6
10+00 F.S.		3.1	324.0	316.50 ✓	7.5

318.02
5.72
323.74 H.I.
312.46 ✓
11.28
314.08 ✓
9.66
315.70
8.04
316.50 ✓
7.24

313.27
10.47 ✓
314.89 ✓
8.85
323.35
6.76
330.11 H.I.
321.05
9.06

323.35
0.98
324.33 H.I.
316.0
8.33
12.15
312.18 T.P.
3.08
315.26 H.I.
306.5
8.76

10.00
6.90
3.10

Alley bet. Walker & Oregon from center of Dwight to Wightman.

Jan. 17/13 { Childs Taylor Otten

35

Sta.			H.I.	Rod	Ground	Grade	cut
J.P.		11.83	324.43		312.60		
0+00	M.H. center of Dwight			13.7	310.7	305.00	5.7
+29				13.2	311.2	306.21	5.0
+50				6.84	317.59	307.09	10.5
1+00	4.184%			4.15	320.28	309.18	11.1
+50			5	3.4	321.0	311.27	9.7
2+00				2.2	322.2	313.37	8.8
+50				1.0	323.4	315.46	7.9
3+00				0.51	323.92	317.55	6.4
J.P.		10.28	334.20				
+25	M.H.			10.0	324.2	318.60	5.6
+50				9.2	325.0	319.10	5.9
4+00				8.8	325.4	320.10	5.3
+50	2% grade			9.20	325.00	321.10	3.9
5+00				7.5	326.7	322.10	4.6
+50				6.6	327.6	323.10	4.5
6+00				4.31	329.89	324.10	5.8
+50				3.9	330.3	325.10	5.2
+59.5	M.H. center of Landis			3.5	330.7	325.30	5.4

~~317.59~~
312.60
7.30
319.90 H.I.
307.09
12.81

320.28
5.41
325.69 H.I.
313.37
12.32

319.10
6.59

321.10
8.62

322.10
7.62

323.10
6.62

320.21
4.64
334.85 H.I.
324.10
10.75

325.10
9.75

325.30
9.55

320.28
2.00
322.28 H.I.
309.18
13.10

311.27
11.01

315.46
10.23

317.55

318.60
7.09

325.00
4.72
329.72 H.I.
320.10
9.62

Cont. from page 35

Jan. 18/13 { Childs, Taylor, Otten

3

Sta.		H.I.	Rod	Ground	Grade	cut
		334.20				
7+00			3.9	330.3	325.62	4.7
+50			3.99	330.21	326.02	4.2
8+00	0.8 % grade		2.9	331.3	326.42	4.9
+50			2.3	331.9	326.82	5.1
9+00			1.27	332.93	327.22	5.7
+50			0.62	333.58	327.62	6.0
T.P.	7.53	341.11				
+85 M.H.			7.1	334.0	327.90	6.1
10+00			6.1	335.0	327.96	7.0
+50			4.75	336.36	328.16	8.2
11+00	0.4 % grade		4.5	336.6	328.36	8.2
+50			4.6	336.5	328.56	8.0
12+00			5.2	335.9	328.76	7.2
+50			5.87	335.24	328.96	6.3
+60 F.S. about 30' from Wightman			6.1	335.0	329.0	6.0

334.85 H.I.
325.62
9.23
326.02
8.83
326.42
8.43
326.82
8.03
327.22
7.63
327.62
7.23
328.72
12.05
328.96
11.81

333.58
6.05
339.63 H.I.
327.90
11.73
327.96
11.67
328.16
11.47
328.36
11.27
335.24
5.03
340.77 H.I.
328.56
12.21
239.00
11.77

℄ alley line bet. Oregon & Idaho from Center of Dwight to Univ. ave.

Jan 30/13 {Childs, Tayler, Allen

Sta.		H.I.	Rod.	Ground	Grade cut
J.P.	12.99	342.37		329.38	
0+00	M.H. center of Dwight		12.4	330.0	324.00
+50			10.82	331.55	325.51
1+00			8.96	333.41	327.03
+50			7.65	334.72	328.54
2+00			6.65	335.72	330.06
+50			6.02	336.35	331.57
3+00			3.84	338.53	333.09
+30	M.H.		3.2	339.2	334.00
+50			3.07	339.30	334.10
4+00			2.14	340.23	334.30
J.P.	6.75	348.61	0.51	341.86	
+50			6.7	341.9	334.50
5+00			5.9	342.7	334.70
+50			5.40	343.21	334.90
6+00			5.5	343.1	335.10
+50			8.83	339.78	335.30
+595	M.H. Center of Sandis		8.5	340.1	335.34

331.97 H.I.	331.55	
325.51	291	
6.46	334.46 H.I.	
	325.51	
327.03	8.95	
7.43		
343.21		
3.88	334.90	
347.09 H.I.	12.19	
334.70	335.10	
12.39	11.99	
339.78		
5.11	335.46	
344.89 H.I.	9.43	
335.34	334.72	
9.55	5.53	
	340.25 H.I.	
330.06	328.54	
10.19	11.71	
331.57	333.09	334.00
8.68	7.16	6.25
334.10	334.30	
6.15	5.95	
	334.50	
	5.75	

Jan 30/13 — Childs, Taylor, Otten

Cont. from page 37

Sta.		H.I.	Rod	Ground	Grade	Cut
		348.61				
7+00			5.46	343.15	335.50	7.6
+50			4.72	343.89	335.70	8.2
8+00			5.02	343.59	335.90	7.7
+50			4.9	343.7	336.10	7.6
9+00			4.93	343.68	336.30	7.4
+50			4.5	344.1	336.50	7.6
+90	M.H.		4.7	343.9	336.66	7.2
10+00			4.41	344.20	336.70	7.5
+50			4.1	344.5	336.90	7.6
11+00			4.40	344.21	337.10	7.1
+50			4.3	344.3	337.30	7.0
12+00			4.61	344.00	337.50	6.5
+50			4.1	344.5	337.70	6.8
13+00	~~4.41~~		3.96	344.65	337.90	6.7
T.P.	4.41	349.06				
+19.25	M.H. center of wightman		4.5	344.6	337.98	6.6
+50			4.6	344.5	338.10	6.4

~~344.89~~ 343.15
5.09

343.15
5.02
348.17 H.I.
335.50
12.67

335.70
12.47

335.90
12.27

336.10
12.07

336.66
11.51

344.20
4.90
349.10 H.I.
336.70
12.40

336.90
12.20

337.10
12.00

337.30
11.80

337.50
11.60

337.70
11.40

337.90
11.20

343.68
4.75
348.43 H.I.
336.30
12.13

336.50
11.93

344.65
4.20
348.85 H.I.
337.98
10.87

338.10
10.75

Cont. from page 38

Jan 30/13 { Childs, Tay, Olsen

Sta.		H.I.	Rod	Ground	Grade	cut
14+00		349.06	4.90	344.16	338.30 ✓	5.9
+50			5.2	343.9	338.50 ✓	5.4
15+00			5.15	343.91	338.70 ✓	5.2
+50			4.86	344.20	338.90 ✓	5.3
+70	F.J. about 30' from Univ. ave.		4.50	344.6	339.00 ✓	5.6

348.85 H.I.
338.30
10.55 ✓

338.90
9.95 ✓

338.50
10.35 ✓

338.70
10.15 ✓

339.00
9.85 ✓

X alley bet. Idaho + Oregon from center Dwight to near park.

Feb. 17/13 { Childs Taylor Otten

Sta.			H.I.	Rod	Ground	Grade	cut
J.P.		4.03	335.58		331.55		
0+00	M.H. center of Dwight			5.7	329.9	324.00	5.9
+50				5.87	329.71	324.10	5.6
1+00				6.06	329.52	324.20	5.3
+50				6.54	329.04	324.30	4.7
2+00			5	5.91	329.67	324.40	5.3
+50				5.6	330.0	324.50	5.5
3+00				5.18	330.40	324.60	5.8
+30	M.H.			4.8	330.8	324.66	6.1
+50				5.1	330.5	324.70	5.8
4+00				4.66	330.92	324.80	6.1
+50				5.1	330.5	324.90	5.6
5+00				5.23	330.35	325.00	5.4
+50				5.2	330.4	325.10	5.3
+88						325.18	
6+00				4.81	330.77	325.20	5.6
J.P.		4.57	335.34				
+50				5.8	329.5	325.30	4.2
+60	M.H. center of Myrtle			5.6	329.7	325.32	4.4
7+00				4.89	330.45	325.40	5.0

329.71
4.64
334.35 H.I.
324.10
10.25
324.20
10.15
324.30
10.05
324.40
9.95
324.50
9.85
324.60
9.75
324.66
9.69
324.70
9.65
324.80
9.55
324.90
9.45
325.00
9.35
325.10
9.25

Cont. from page 40

Sta.		H.I. 335.34	Rod	Ground	Grade	cut
7+50			5.0	330.3	325.50	4.8
8+00			4.86	330.48	325.60	4.9
+50			5.8	329.5	325.70	3.8
9+00			7.4	327.9	325.80	2.1
+50			7.3	328.0	325.90	2.1
10+00			6.70	328.64	326.00	2.6
+20	F.S. about 80' from park line		6.5	328.8	326.04	2.8

I Sewer in alley bet. 1st & albatross from Apr. 1/13 } Childs Tap for action

bottom of Canyon SO. of penn- ave. to northend of Trestle

sta.			H.I.	Rod	Ground	Grade	cut
0+00	M.H. bottom of Canyon alley bet.		192.30	11.51	180.79	175.00	5.8
+25	break			10.43	181.87	178.00	3.9
J.P.	1st & albatross	12.44	204.12	0.62	191.68		
+50				11.61	192.51	185.50	7.0
+75				5.93	198.19	193.00	5.2
J.P.		12.62	216.70	0.04	204.08		
1+00				8.64	208.06	200.50	7.6
+25	break			3.11	213.59	208.00	5.6
J.P.		13.32	229.95	0.07	216.63		
+50				12.45	217.50	209.86	7.6
+75				10.55	219.40	211.72	7.7
2+00				8.22	221.73	213.58	8.1
+25	4' deep			9.18	220.77	215.43	5.4
+50				8.65	221.30	217.29	4.0
+75				4.51	225.44	219.14	6.3
3+00	break			4.65	225.30	221.00	4.3
J.P.		12.40	242.01	0.34	229.61		
+25				11.05	230.96	226.25	4.7
+50				7.2	234.8	231.50	3.3
J.P.		11.71	253.64	0.08	241.93		
+75				10.88	242.76	236.75	6.0
4+00	break			8.3	245.3	242.0	3.3
+20				0.82	252.82	249.5	3.3

198.19
7.03
205.22 H.I.
193.00
12.22

213.59
2.04
215.63 H.I.
208.00
7.63

219.40
1.12
220.52 H.I.
211.72
8.80

213.58
6.94
217.29
3.23

225.30
8.44
233.74 H.I.
221.00
12.74

231.50
2.24
242.76
6.91
~~4.38~~
249.67 H.I.
242.00
7.67

Jan 23/13 Childs Taylor & Wilson

45

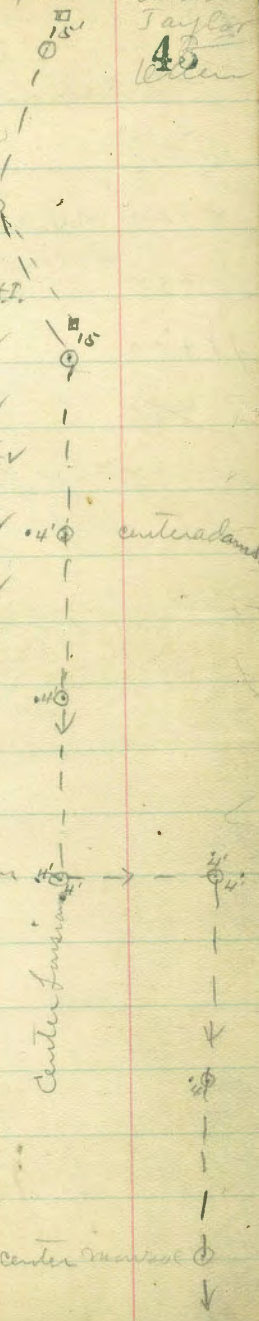
Alley line bet. Louisana & Texas from center of Monroe to center Madison

Sta.		H.I.	Rod	Ground	Grade	cut
J.P.	1.81	345.91		344.10		
0+00	M.H. center of Monroe.		7.5	338.4	333.60	4.8
+50			7.13	338.78	333.91	4.9
1+00			7.2	338.7	334.22	4.5
+50			6.82	339.09	334.53	4.6
2+00			6.4	339.5	334.84	4.7
+50			6.4	339.5	335.15	4.4
3+00			5.75	340.16	335.46	4.7
+30	M.H.		5.5	340.4	335.65	4.8
+50			5.4	340.5	335.77	4.7
4+00			5.1	340.8	336.08	4.7
+50			4.65	341.26	336.39	4.9
5+00			3.8	342.1	336.70	5.4
+50			3.5	342.4	337.01	5.4
6+00			2.85	343.06	337.32	5.7
+50			0.3	345.6	337.63	8.0
+79.6	M.H. center of Madison.		1.81	344.10	337.82	6.3

0.62 % grade

339.09
5.17
344.26 H.I.
333.91
10.35 ✓ 341.26
334.22 ✓ 6.44
10.04 347.70 H.I.
334.53 ✓ 336.70
9.73 11.00 ✓
334.84 ✓ 337.01
9.42 10.69 ✓
335.15 ✓ 337.32
9.11 10.38 ✓
335.46 ✓ 337.63
8.80 10.07 ✓
335.65 ✓ 337.82
8.61 9.88 ✓
335.77 ✓
8.49 ✓
336.08 ✓
8.18 ✓
336.39 ✓
7.87 ✓

center of Madison



center adams

X Madison street from alley bet. Louisana & Texas Jan 31/13 {Childs Taylor Allen

to center of Louisana

Sta.		H.I.	Rod	Ground	Grade	Cut
0+00	M.H. center of Madison & alley bet. Louisana & Texas.	348.89	4.79	344.10	337.82 ✓	6.3
+50			4.60	344.29	338.13 ✓	6.2
1+00			5.0	343.9	338.44 ✓	5.5
+50			6.17	342.72	338.75 ✓	4.0
+90	M.H. center of Madison & Louisana		6.58	342.31	339.00 ✓	3.3

344.29
2.61
346.90 H.I.
338.13
8.77 ✓
338.44
8.46 ✓
338.75
8.15 ✓
339.00
7.90 ✓

For Diagram See Book 406 Pg 18

Louisana & panorama from center of Madison to Harvey's place.

Jan. 31/13 Hilliard Taylor

Sta.		H.I. 348.89	Rod	Ground	Grade out			
							346.90 H.I.	
0+00	M.H. center of Madison & Louisana		6.58	342.31	339.00	3.3	339.44 / 7.46	340.76 / 6.14
+50			6.17	342.72	339.44	3.3	339.88 / 7.02	346.13 / 8.41 / 354.54 H.I.
1+00			5.5	343.4	339.88	3.5	340.32 / 6.58	341.20 / 13.34
+50			5.0	343.9	340.32	3.6	341.64 / 12.90	342.06 / 12.48
2+00		5	4.30	344.59	340.76	3.8	342.00 / 12.54	342.35 / 12.19
+50			3.6	345.3	341.20	4.1	342.65 / 11.89	342.95 / 11.59
3+00			2.76	346.13	341.64	4.5	343.24 / 11.30	343.53 / 11.01
+40	M.H.		2.3	346.6	342.00	4.6	343.82 / 10.72	344.00 / 10.54
+50			2.2	346.7	342.06	4.6	350.14 / 3.83 / 353.97 H.I.	
4+00			1.4	347.5	342.35	5.2	344.10 / 9.87	344.34 / 9.63
+50			0.65	348.24	342.65	5.6		
J.P.		7.47		355.71				
5+00			6.9	348.8	342.95	5.9		
+50			6.2	349.5	343.24	6.3		
6+00			5.57	350.14	343.53	6.6		
+50			5.7	350.0	343.82	6.2		
+79.7	M.H. center of Adams and		5.2	350.5	344.00	6.5		
7+00	7+20		5.8	349.9	344.10	5.8		
+50			5.65	350.06	344.34	5.7		

Cont. from page 45

Jan 31/13 { Childs Taylor Att

Sta.		H.I.	Rod	Ground	Grade	cut
		355.71				
8+00			6.0	349.7	344.58	5.1
+50			6.15	349.56	344.81	4.7
+90	M.H. in panorama angle.		6.4	349.3	345.00	4.3
9+00			6.1	349.6	345.11	4.5
+50			5.7	350.0	345.63	4.4
10+00			5.24	350.47	346.16	4.3
+50			4.4	351.3	346.68	4.6
11+00			3.6	352.1	347.21	4.9
+50			2.70	353.01	347.73	5.3
12+00			2.4	353.3	348.26	5.0
+50			1.60	354.11	348.78	5.3
+70	M.H. angle.		1.43	354.28	349.00	5.3
T.P. 13+00		10.28 364.56	10.0	354.6	349.32	5.3
+50			9.30	355.26	349.85	5.4
14+00			8.2	356.4	350.39	6.0
+50			7.9	356.7	350.92	5.8
15+00			7.38	357.18	351.46	5.7
+50	M.H. angle.		7.2	357.4	352.00	5.4

Cont on Page 48

353.97 H.I.
344.58
9.39
345.11
8.86
344.81
9.16
345.63
8.34
345.00
8.97
346.16
7.81
350.47
6.38
356.85 H.I.
347.21
9.64
348.26
8.59
346.68
10.17
347.73
9.12
348.78
8.07
349.00
7.85
355.26
5.18
360.44 H.I.
349.85
10.59
349.32
11.12
350.92
9.52
350.39
10.05
352.00
8.44
351.46
8.98

Part of main sewer in canyon E of Fern St ? bet. Grape & Hawthorn from 2' so. of No. line of Hawthorn to center alley bet. Grape & Haw

Jan 27/13 { Childs Tayer Otter 47

Sta.		H.I.	Rod	Ground	Grade	Cut		
0+00	M.H. 148' east of Fern & 2' so. of no. line of Hawthorn	263.29	1.13	262.16	252.25	10.0	248.27 / 1.38 / 249.65 H.I.	
+50			2.90	260.39	248.73	11.7	236.46 / 13.19	238.21 / 11.44
1+00			4.90	258.39	245.22	13.2	239.96 / 9.69	241.71 / 7.94
+25 ×			11.05	252.24	243.47	8.8	240.91 / 7.06 / 247.97 H.I.	243.47 / 6.18
+50			13.3	250.0	241.71	8.3	234.70 / 13.27	240.91 / 4.17 / 245.08
T.P.	2.19	252.60	12.88	250.41				
+75			3.37	249.23	239.96	9.2	252.24 / 7.05 / 259.29 H.I.	232.0 / 13.08
2+00			3.33	249.27	238.21	11.1	245.22 / 12.07	252.24 / 5.92 / 258.16 H.I.
+25			2.61	249.99	236.46	13.5	260.39 / 1.91 / 262.30 H.I.	245.22 / 12.94
+50 ×			4.33	248.27	234.70	13.6	248.73 / 57	260.39 / 1.36 / 261.75 H.I.
+75			11.69	240.91	232.95	8.0	260.39 / 4.11 / 264.50 H.I.	248.73 / 13.02
T.P.	7.00	247.91						
+88.6	M.H. center alley bet. Grape & Hawthorn		11.10	236.81	232.00	4.8	252.25 / 12.25	

Hawthorn

See 901-32

Cont. from page 46

Jan. 31/13. [Childs Taylor Otten

Sta.	H.I.	Rod	Ground	Grade	cut
16+00	364.56	6.5	358.1	352.32	5.8
+50		6.08	358.48	352.65	5.8
17+00		6.3	358.3	352.97	5.3
+05 m.H. angle		6.6	358.0	353.00	5.0
+50		5.75	358.81	353.31	5.5
18+00		5.28	359.28	353.65	5.6
+50 F.F.		5.1	359.5	354.00	5.5

358.48
4.85
363.33 H.I.

352.32
11.01

353.31
10.02

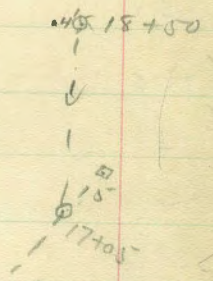
352.65
10.68

352.97
10.36

353.00
10.33

353.65
9.68

354.00
9.33



Alley bet. Adams + Cliff
from Panorama east 390 feet.

Jan 7/13 { Childs, Taylor, Allen

Sta.		H.I.	Rod	Ground	Grade	Cut
0+00	M.H. Panorama	349.16	5.2	344.0	339.50	4.5
+50			3.55	345.61	340.85	4.8
1+00		359.02	11.08	347.94	342.19	5.7
+50			8.87	350.15	343.54	6.6
2+00			6.98	352.04	344.88	7.1
+50			5.70	353.32	346.23	7.1
3+00			4.17	354.85	347.57	7.3
+50			3.49	355.53	348.92	6.6
+90	dead end		4.20	354.82	350.00	4.8

345.61
7.57
353.18 H.I.
340.85
12.33

342.19
10.99

344.88
8.30

346.23
6.95

347.57
5.61

348.92
4.26

350.00
3.18

343.54
9.64

Sc 820-53

Alley line bet. Elcajon & Meade from alley bet. Texas & ariz. to alley bet. Oregon & Idaho. Feb. 10/13 Childs Tapeyo Otten

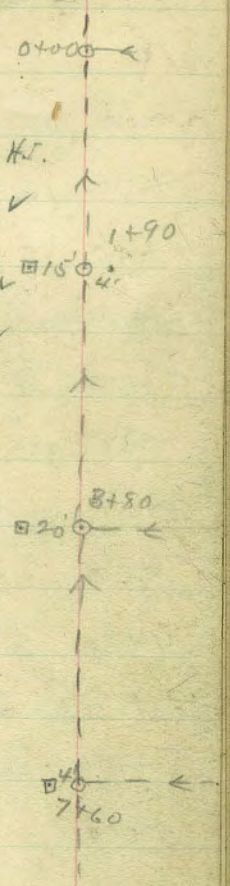
(Sec 826-9)

Sta.			H.I.	Rod	Ground	Grade	cut
J.P.		11.70	333.84		322.14		
0+00				6.0	327.8	322.00	5.8
+50				3.43	330.41	324.63	5.8
1+00				2.23	331.61	327.26	4.3
J.P.		11.35	344.59	0.60	333.24		
+50				9.65	334.94	329.89	5.0
+90	M.H. Center of arizona			7.19	337.40	332.00	5.4
2+00				6.99	337.60	333.05	4.6
+50				1.86	342.73	338.31	4.4
J.P.		11.93	356.12	0.40	344.19		
3+00				6.98	349.14	343.58	5.6
+50				0.84	355.28	348.84	6.4
J.P.		9.61	364.89				
+80	M.H. Centerville bet. Ariz. & Hamilton			6.50	358.39	352.00	6.4
4+00				2.23	362.66	353.26	9.4
J.P.		12.89	375.55				
+50				9.11	366.44	356.42	10.0
5+00				7.06	368.49	359.58	8.9
+50				8.93	366.62	362.74	3.9
+70	break			7.26	368.29	364.00	4.3
6+00				6.35	369.20	364.47	4.7

see page 59

331.61
4.09
335.70 H.I.
327.26
8.44
329.89
5.81
324.63
11.07
355.28
3.47
358.75 H.I.
352.00
6.75
362.66
6.77
369.43 H.I.
356.42
13.01
368.49
2.69
371.18 H.I.
359.58
11.60
366.62
7.04
373.66 H.I.
362.74
10.92

342.73
6.52
349.25 H.I.
338.31
10.94
343.58
5.67
348.84
0.41
337.60
4.82
342.42 H.I.
332.00
10.42
362.66
3.80
366.46 H.I.
353.26
13.20
364.47
6.71



Sewer in alley bet. Arizona & Hamilton from alley

Feb. 13/13

{ Childs
Taylor
Attem

51

bet. Elcafon & Meade to 8' south of Adams ave.

Sta.		H.I.	Rod	Ground	Grade	Cut
0+00	M.H. center alley. bet. Elcafon & Meade.	367.09	8.70	358.39	352.00	6.4
+50			7.7	359.4	352.20	7.2
1+00			8.63	358.46	352.40	6.1
+50			8.5	358.6	352.60	6.0
2+00			8.38	358.71	352.80	5.9
+50	M.H.		3.8	363.3	353.00	10.3
3+00			6.06	361.03	353.20	7.8
+50			6.8	360.3	353.40	6.9
4+00			6.82	360.27	353.60	6.7
+50			5.8	361.3	353.80	7.5
+94.8	M.H. center of meade.		7.2	359.9	354.00	5.9
5+00			7.21	359.88	354.06	5.8
+50			7.4	359.7	354.65	5.0
6+00			6.68	360.41	355.23	5.2
+50			5.6	361.5	355.82	5.7
7+00			5.23	361.86	356.41	5.5
+50			6.2	360.9	357.00	3.9

358.46
4.60
363.06 H.I.
352.20
10.86

358.46
5.22
363.68 H.I.
352.40
11.28

352.60
11.08

352.80
10.88

353.00
10.68

353.20
10.48

353.40
10.28

353.60
10.08

353.80
9.88

359.88
5.27
365.15 H.I.
354.00
11.15

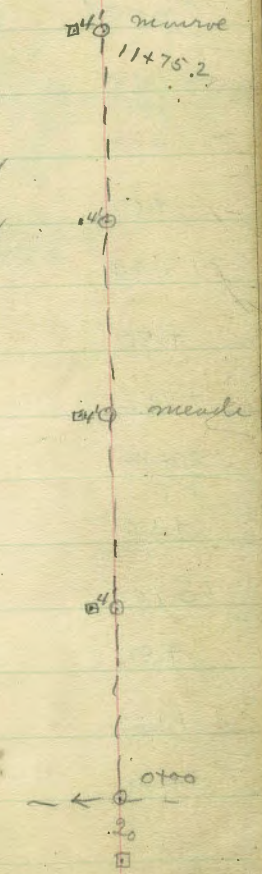
354.65
10.50

355.23
9.92

355.82
9.33

356.41
8.74

357.00
8.15



Cont. from page 51

Feb. 19/13

Childs
Taylor
Alten

52

Sta.		H.I.	Rod	Ground	Grade	cut
		367.09				
8+00			4.89	362.20	357.59	4.6
+35 M.H.			4.3	362.8	358.00	4.8
+50			4.8	362.3	358.31	4.0
9+00			4.06	363.03	359.34	3.7
+50			3.4	363.7	360.37	3.3
T.P.	7.43	373.85	0.67	366.42		
10+00			5.95	367.90	361.40	6.5
+50			6.6	367.3	362.43	4.9
11+00			3.97	369.88	363.46	6.4
+50			3.6	370.3	364.49	5.8
+75.2 M.H. center of monrol.			2.7	371.2	365.00	6.2
12+00			0.93	372.92	365.19	7.7
T.P.	5.53	378.45				
+50			5.9	372.6	365.56	7.0
13+00			6.75	371.70	365.92	5.8
+50			6.0	372.5	366.29	6.2
14+00			6.15	372.30	366.66	5.6
+50			6.4	372.1	367.03	5.1

365.15 H.I.
357.59 / 7.56
358.00 / 7.15
358.31 / 6.84
359.34 / 5.81
360.37 / 4.78
367.90
5.56
373.46 H.I.
361.40 / 12.06
362.43 / 11.03
363.46 / 10.00
364.49 / 8.97
365.00 / 8.46
365.19 / 8.27
365.56 / 7.90
365.92 / 7.54
366.29 / 7.17
372.30
5.49 H.I.
377.79
367.03 / 10.76
366.66 / 11.13

Feb. 19/13 { Childs Tayler Otter

Cont. from page 52

Sta.		H.I.	Rod	Ground	Grade	cut
		378.45				
15+00			5.06	373.39	367.39	6.0
+15 M.H.			4.1	374.4	367.50	6.9
+50			4.0	374.5	367.76	6.8
16+00			2.70	375.75	368.13	7.6
+50			2.4	376.1	368.50	7.6
17+00			3.39	375.06	368.86	6.2
+50			3.5	375.0	369.23	5.8
18+00			3.77	374.68	369.60	5.1
+50			2.8	375.7	369.97	5.7
+53.45 M.H. center of Madison			2.6	375.9	370.00	5.9
19+00			3.23	375.22	370.18	5.0
+50			2.4	376.1	370.38	5.7
20+00			1.87	376.58	370.58	6.0
+50			0.8	377.7	370.78	6.9
21+00			1.42	377.03	370.98	6.0
T.P.	7.38	384.41				
+50			6.9	377.5	371.18	6.3
+85 M.H.			6.6	377.8	371.32	6.5

377.79 H.I.
367.39
10.40

367.50
10.29

375.75
3.01
378.76 H.I.
367.76
11.00

368.13
10.63

368.50
10.26

368.86
9.90

369.23
9.53

369.60
9.16

369.97
8.79

370.00
8.76

375.22
6.42
381.64 H.I.
370.18
11.46

370.38
11.26

370.78
10.86

370.58
11.06

370.98
10.66

371.18
10.46

371.32
10.32

Cont. from page 53

Feb. 19/93 { Childs Taylor Oster

Sta.		H.I.	Rod	Ground	Grade	cut
		384.41				
22+00			5.99	378.42	371.38	7.0
+50			5.2	379.2	371.58	7.6
23+00			4.84	379.57	371.78	7.8
+50			5.4	379.0	371.98	7.0
24+00			4.23	380.18	372.18	8.0
+50			2.6	381.8	372.38	9.4
+84	M.H. about 8' so. of adams ave.		4.2	380.2	372.50	7.7

381.64 H.I.
371.38
10.26

371.58
10.06

371.78
9.86

380.18
4.01
384.19 H.I.

372.18
12.01

371.98
12.21

372.38
11.81

372.50
11.69

Sewer in alley bet. Oregon & walker from center of Dwight to 5' so. of park line

Feb. 20/13 { Childs, Taylor, Allen

Sta.		H.I.	Rod	Ground	Grade	cut
T.P.	5.72	318.32		312.60		
0+00	M.H. center of Dwight		7.6	310.7	305.00	5.7
+50			4.96	313.36	305.24	8.2
1+00			5.84	312.48	305.48	7.0
+50			6.3	312.0	305.72	6.3
2+00			5.56	312.76	305.95	6.8
+50	5		4.8	313.5	306.19	7.3
3+00			3.38	314.94	306.43	8.5
+30	M.H.		2.3	316.0	306.57	9.4
+50			2.0	316.3	306.67	9.6
4+00			0.74	317.58	306.90	10.7
T.P.	10.00	327.58				
+50			8.6	319.0	307.14	11.9
5+00			7.6	320.0	307.38	12.6
+50			6.54	321.04	307.62	13.4
6+00			5.02	322.56	307.85	14.7
+50			4.9	322.7	308.09	14.6
+57.65	M.H. center of Myrtle		4.7	322.9	308.13	14.8

321.04
2.98
324.02 H.I.
2.66
321.36
307.62
13.74

3.60
320.42
307.38
13.04

4.52
319.50
307.14
12.36

5.89
318.13
306.90
11.23

314.94
4.21
319.15 H.I.
306.57
12.58

306.67
12.48

306.43
12.72

306.19
12.96

312.76
2.73
315.49 H.I.
305.95
9.54

305.72
9.77

305.48
10.01

305.24
10.25

322.56
5.51
328.07 H.I.
5.17
322.90
307.85
15.05

Cont from page 55.

Sta.	H.I. 327.58	Rod	Ground	Grade	cut
7+00		4.10	323.48	308.33	15.2
+50		4.9	322.7	308.57	14.1
8+00		5.68	321.90	308.80	13.1
+50		6.7	320.9	309.04	11.9
9+00		8.08	319.50	309.28	10.2
+50		10.0	317.6	309.52	8.1
10+00		11.53	316.05	309.76	6.3
+50	M.H. 5' so. of Park line	13.00	314.58	310.00	4.6

323.48
2.13
325.61 H.I.
2.66
322.95
308.13
14.82

4.17
321.44
309.04
12.40
309.52
11.50
309.76
11.26

321.90
5.82
327.22 H.I.
4.07
323.15
308.57
14.58

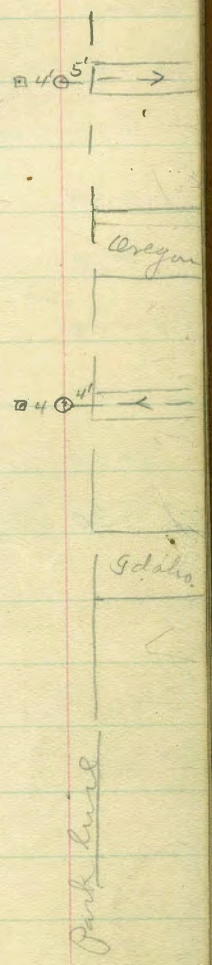
314.64
1.88
323.73
308.33
15.40
3.52
322.09
308.80
13.29
319.52
1.52
321.02 H.I.
309.28
11.74
310.00
11.02

Sewer 5' so. of park line from alley bet. Oregon & Walker to alley bet. Oregon & Idaho.

Feb. 26/13

Childs
Taylor
Allen

Sta.		H.I.	Rod	Ground	Grade	cut	
0+00	M.H. 5' so. of park line alley bet. Oregon & Walker	326.22	11.64	314.58	310.00	4.6	318.02 / 8.41 / 326.43 H.I.
+50			8.20	318.02	313.33	4.7	313.33 / 13.10
1+00			4.49	321.73	316.67	5.0	316.67 / 9.76
+35	break		2.17	324.05	319.00	5.1	319.00 / 7.43
+50			2.4	323.8	319.31	4.5	319.31 / 7.12
2+00	8.05	333.25	1.02	325.20	320.33	4.9	320.33 / 6.10
J.P. +50			7.2	326.0	321.36	4.6	327.61 / 5.95 / 333.56 H.I.
3+00			5.64	327.61	322.39	5.2	321.36 / 12.20
+30	M.H. 4' so. park line alley bet. Oregon & Idaho.		4.5	328.7	323.00	5.7	322.39 / 11.17 / 323.00 / 10.56



I Sewer in alley bet. Oregon & Idaho from 4' so. of park line to myrtle.

Blulds Taylor alley

Feb. 26/13

Sta.		H.I.	Rod	Ground	Grade cut
0+00	M.H. 4' so. of park line & center alley bet. Oregon + Idaho	333.25	4.5	328.7	323.00 ✓ 5.7
+50			4.72	328.03	323.25 ✓ 5.3
1+00			5.31	327.94	323.30 ✓ 4.4
+50			5.2	328.0	323.76 ✓ 4.3
2+00			3.98	329.27	324.00 ✓ 5.3
+50			3.1	330.1	324.25 ✓ 5.9
3+00			3.13	330.12	324.50 ✓ 5.6
+30	F.S. near myrtle		2.6	330.6	324.65 ✓ 6.0

333.56 H.I.

323.25 — 10.31 ✓

323.50 — 10.06 ✓

323.75 — 9.81 ✓

324.00 — 9.56 ✓

324.25 — 9.31 ✓

324.50 — 9.06 ✓

324.65 — 8.91 ✓

Cont. from page 50

Mar. 29/13 { Childs Taylor Allen

50

Sta.		H.I.	Rod	Ground	Grade	cut
		375.55				
6+50			2.38	373.17	365.26	7.9
7+00			1.28	374.27	366.05	8.2
+50			1.36	374.19	366.84	7.4
+60	M.H. Center alley bet. Hamilton & Oregon		0.65	374.90	367.00	7.9
8+00	5.01	378.77	1.79	373.76	367.21	6.6
+50			4.8	374.0	367.47	6.5
9+00			4.85	373.92	367.74	6.2
+50			3.9	374.9	368.00	6.9
10+00			3.87	374.90	368.26	6.6
+50			2.9	375.9	368.52	7.4
11+00			3.28	375.49	368.79	6.7
+40	M.H. Center alley bet. Oregon & Idaho.		3.31	375.46	369.00	6.5

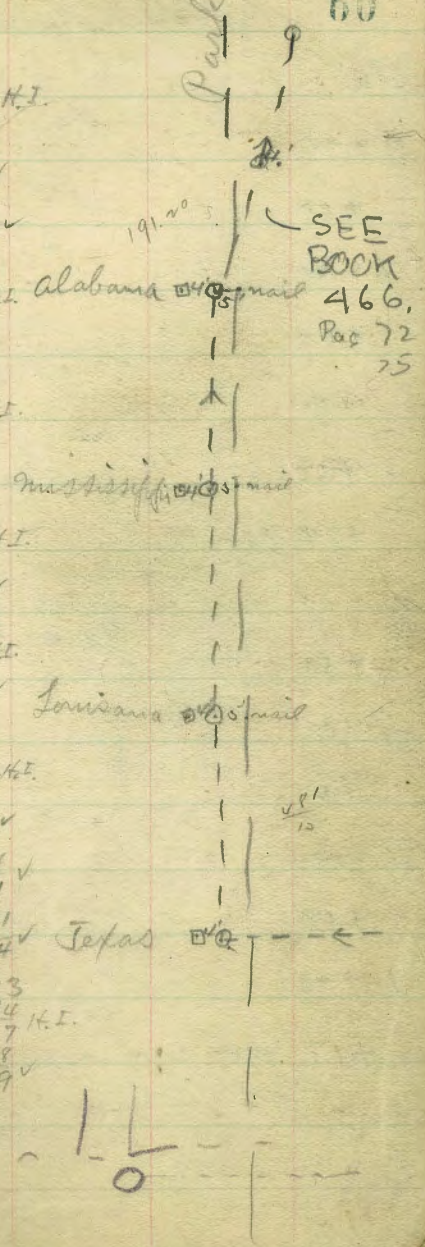
373.66 H.I. 373.17
365.26 4.24
8.40 377.41 H.I.
365.26
12.15
366.05
11.36 366.84
10.57
373.76
4.89
378.65 H.I.
367.21 367.74
11.44 10.91
367.47 368.00
11.18 10.65
368.26 368.52
10.39 10.13
368.79 369.00
9.86 9.65

Mar. 7/13 Childs Taylor Letter

60

1 Sewer 5' South of North line of City park from Center of Florida to center of Texas

Sta.		H.I.	Rod	Ground	Grade	cut	
		204.59					193.01
0+00	M.H. center of Florida & Upas.		10.2	194.4	190.60	3.8	6.27 H.I. 199.28
+25			12.2	192.4	191.10	1.3	191.60 7.68
+50			11.58	193.01	191.60	1.4	192.00 7.28
+70	break		9.50	195.09	192.00	3.1	209.20 5.08 214.28 H.I.
		217.01					201.75 12.53
1+00			7.81	209.20	201.75	7.5	222.89 3.07 225.96 H.I.
		228.80					218.00 7.96
+25			11.93	216.87	209.87	7.0	
+50	break		5.71	222.89	218.00	4.9	235.20 6.65 241.85 H.I.
		241.42					228.50 13.35
+75			12.80	228.62	223.25	5.4	241.09 8.69 249.78 H.I.
2+00			6.22	235.20	228.50	6.7	239.00 10.78
		253.81					
+25			12.72	241.09	233.75	7.3	248.84 5.91 254.75 H.I.
+50	M.H.		9.5	244.3	239.00	5.3	242.97 11.78
3+00			4.97	248.84	242.97	5.8	246.94 7.81
+50			1.92	251.89	246.94	5.0	250.91 3.84
		265.76					
4+00			10.30	255.46	250.91	4.6	260.73 1.94 262.67 H.I.
+50			5.03	260.73	254.88	5.8	254.88 7.79
+64	M.H. center of Alabama.	274.52	12.49	262.03	256.00	6.0	



Cont. from page 60

Sta.		H.I.	Rod	Ground	Grade	Cut
		274.52				
5+00			9.82	264.70	256.79	7.9
+50			7.08	267.44	257.88	9.6
6+00			5.47	269.05	258.97	10.1
+50			3.88	270.64	260.06	10.6
7+00			2.48	272.04	261.15	10.9
+50			0.91	273.61	262.25	11.4
+84	M.H. Center of Mississippi		1.55	273.0	263.00	10.0
8+00			1.75	272.77	263.22	9.6
T.P.	9.60	282.37				
+50			6.60	275.77	263.90	11.9
9+00			6.33	276.04	264.57	11.5
+50			6.79	275.58	265.25	10.3
10+00			5.55	276.82	265.92	10.9
+50			6.07	276.30	266.60	9.7
11+00			5.63	276.74	267.27	9.5
+17	M.H. Center of Louisiana		4.7	277.7	267.50	10.2

260.73
7.44
268.17 H.I.
256.00
12.17

256.79
11.38
257.88
10.29

269.05
1.77
270.82 H.I.
258.97
11.85

260.06
10.76

270.64
2.56
273.20 H.I.
260.06
13.14

261.15
12.05

276.04
1.49
277.53 H.I.
264.57
12.96

276.74
3.68
280.42 H.I.
266.60
12

267.50
12.15

2.19
36
1314
657
7884

273.61
1.91
275.52 H.I.
262.25
13.27
263.00
12.52

275.77
1.09
276.86 H.I.
263.90
12.96

265.25
12.85

276.74
2.91
279.65 H.I.
266.60
13.06

267.27
12.38

78
464
326) 7000 (2.18
6400
600
326
2800
2560
2400

2.18
34
872
654
7412

276.82
1.28
278.10 H.I.
265.92
12.18

Mar. 28/13 { Childs Taylor Etten

6

Cont. from page 61.

Sta.		H.I.	Rod	Ground	Grade	cut
11+50		282.37	4.26	278.11	268.25	9.9
12+00			3.63	278.74	269.38	9.4
+50			3.27	279.10	270.51	8.6
13+00			3.71	278.66	271.64	7.0
+50			3.22	279.15	272.77	6.3
14+00			1.80	280.57	273.90	6.7
+49	M.H. center of Texas		1.7	280.7	275.00	5.7

279.65 H.I.
268.25
11.40

278.74
3.85 H.I.
282.59
269.38
13.21

270.51
12.08

278.74
3.62
282.36
269.38
12.98

271.64
10.95

272.77
9.82

273.90
8.69

275.00
7.59

Sewer line alley bet. Hamilton & Oregon. Mar. 8/13. Childs Taylor Otten

from alley bet. Elcajon & Meade to Copley.

Sta.		H.I.	Rod	Ground	Grade	Cut
0+00	M.H. center alley bet. Elcajon & Meade.	379.28	4.38	374.90	367.00	7.9
+50			4.98	374.30	367.20	7.1
1+00			4.21	375.07	367.40	7.7
+50			5.4	373.9	367.60	6.3
2+00			5.25	374.03	367.80	6.2
+50	M.H.		4.5	374.8	368.00	6.8
3+00			2.91	376.37	368.20	8.2
+50			3.9	375.4	368.40	7.0
4+00			3.61	375.67	368.60	7.1
+50			3.7	375.6	368.80	6.8
+94.6	M.H. Center of Meade.		3.1	376.2	368.98	7.2
5+00			2.98	376.30	369.00	7.3
+50			3.9	375.4	369.20	6.2
6+00			3.71	375.57	369.40	6.2
J.P.	4.98	280.55				
+50			4.3	376.3	369.60	6.7
7+00			5.69	374.86	369.80	5.1
+50			5.7	374.9	370.00	4.9

374.30
4.46
378.76 H.I.

367.20
11.56

367.00
11.76

367.40
11.36

337.60
11.16

337.80
10.96

368.00
10.76

376.37
3.64
380.01 H.I.

368.40
11.61

368.20
11.81

368.60
11.41

368.80
11.21

368.98
11.03

369.20
10.81

Cont. from page 63

Mar. 12/13. { Childs ~~Cotter~~ Wilson

Sta.		H.I.	Rod	Ground	Grade	Cut
		280.55				
8+00			5.60	374.95	370.20	4.8
+35	M.H.		5.9	374.7	370.34	4.4
+50			5.7	374.9	370.40	4.5
9+00			5.74	374.81	370.60	4.2
+50			5.5	375.1	370.80	4.3
10+00			5.27	375.28	371.00	4.3
+50			5.1	375.5	371.20	4.3
11+00			4.91	375.64	371.40	4.2
+50			4.1	376.5	371.60	4.9
+74.6	M.H. Center of Monroe		3.6	377.0	371.70	5.3
12+00			3.85	376.70	371.80	4.9
J.P.	7.00	383.70				
+50			6.2	377.5	372.00	5.5
13+00			6.07	377.63	372.20	5.4
+50			5.9	377.8	372.40	5.4
14+00			5.70	378.00	372.60	5.4
+50			5.2	378.5	372.80	5.7
15+00			5.02	378.68	373.00	5.7
+15	M.H.		5.0	378.7	373.06	5.6

374.95
5.14
380.09 H.I.
370.20
9.89
370.34
9.75
370.40
9.69
370.60
9.49
370.80
9.29
371.00
9.09
371.20
8.89
371.40
8.69
371.60
8.49
371.70
8.39
376.70
5.81
382.51 H.I.
371.80
10.71
372.20
10.31
372.60
9.91
372.00
10.51
372.40
10.11
372.80
9.71
373.00
9.51
373.06
9.45

Mar. 20/13

Childs
Taylor
Otten

Cont. from page 64

Sta.		H.I.	Rod	Ground	Grade	cut
		383.70				
15+50			4.8	378.9	373.20	5.7
16+00			4.61	379.09	373.40	5.7
+50			4.6	379.1	373.60	5.5
17+00			4.12	379.58	373.80	5.8
+50			4.0	379.7	374.00	5.7
18+00			3.69	380.01	374.20	5.8
+50			3.6	380.1	374.40	5.7
+53.5	M.H. Center of Madison		3.5	380.2	374.41	5.8
19+00			3.59	380.11	374.60	5.5
J.P.	7.23	387.34				
+50			7.3	380.0	374.80	5.2
20+00			6.95	380.39	375.00	5.4
+50			6.5	380.8	375.20	5.6
21+00			5.82	381.52	375.40	6.1
+50			5.5	381.8	375.60	6.2
+95	M.H		4.8	382.5	375.78	6.7
22+00			4.29	383.05	375.80	7.2

382.51 H.I.
373.20
9.31

379.09
5.19
384.28 H.I.

373.60
10.68

373.40
10.88

373.80
10.48

374.00
10.28

374.20
10.08

374.41
9.87

374.60
9.68

380.39
6.18
386.57 H.I.
374.80
11.77

375.00
11.57

375.40
11.17

375.20
11.37

375.60
10.97

375.78
10.79

2195
1853.5
341.5

Mar. 20/13 { Childs, Taylor, [illegible] 66

Cont. from page 65

Sta.		H.I.	Rod	Ground	Grade	Cut			
		387.34					384.83 / 2.22 / 387.05 H.I. / 3.81 / 383.24	386.57 H.I. / 376.00 / 10.57	
22+50			4.7	382.6	376.00	6.6			
23+00			3.63	383.71	376.20	7.5		376.20 / 10.37	376.40 / 10.17
+50			3.1	384.2	376.40	7.8	376.60 / 9.97	383.01 / 6.30 / 389.31 H.I.	
24+00			4.33	383.01	376.60	6.4	382.48 / 6.05 / 388.53 H.I.	377.08 / 12.23	
+50			3.9	383.4	376.80	6.6	376.80 / 11.73		
25+00			4.86	382.48	377.00	5.5			
J.P.	863	391.11							
+50	MH no line of adams ave.		9.2	381.9	377.20	4.7	384.83 / 4.12 / 388.95 H.I.	377.20 / 11.65	
+73					377.30		377.20 / 11.95		
26+00			6.28	384.83	377.66	7.1	377.66 / 11.29		
+50			6.5	384.6	378.33	6.3	378.33 / 10.62		
27+00			5.70	385.41	379.00	6.4	379.00 / 9.95	379.67 / 9.28	380.33 / 8.62
+50			5.8	385.3	379.67	5.6	381.00 / 7.95		
28+00			5.20	385.91	380.33	5.6	381.40 / 9.98	387.91 / 3.47 / 391.38 H.I. / 381.20 / 10.18	
+50	M.H.		4.1	387.0	381.00	6.0			
29+00			3.20	387.91	381.20	6.7			
+50			3.3	387.8	381.40	6.4			

2850 / 2573 / 277 — 370 (1.33 / 277 / 930 / 831 / 990

1.33 / 27 / 931 / 266 / 3591

3154 / 2573 / 581

Mar. 20/13 { Childs, Taylor, Otten

Cont. from page 66

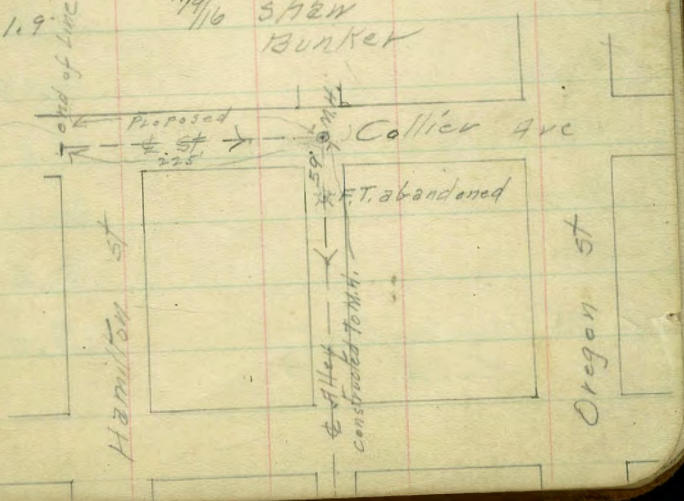
Sta	H.I.	Rod	Ground	Grade	Cut
	391.11				
30+00		3.70	387.41	381.60	5.8
+50		3.1	388.0	381.80	6.2
31+00		3.96	387.15	382.00	5.1
+50		4.0	387.1	382.20	4.9
+54 ~~H.S. near Copley~~	391.22	3.9	387.2	382.22	5.0
32+13 = M.H. ℄ Collier		4.1	387.7	382.64	5.1
+63		4.42	386.80	382.84	4.0
33+13		4.61	386.61	383.04	3.6
+63		4.89	386.33	383.24	3.1
34+13		5.47	385.75	383.44	2.3
+38 end		5.82	385.40	383.54	1.9

5

391.38 H.I.
381.60
9.78
382.00
9.38
382.22
9.16

391.22
2
4.

11/9/16 Dunkle
Shaw
Bunker



Sewer on Idaho from to University ave.

Dwight — Mar. 11/13 — Childs, Taylor, Allen

Sta.		H.I.	Rod	Ground	Grade cut
T.P.	6.16	344.69		338.53	
0+00	M.H. Center of Dwight		9.5	335.2	330.30 ✓ 4.9
+50			8.90	335.79	330.76 ✓ 5.0
1+00			8.47	336.22	331.22 ✓ 5.0
+50			7.9	336.8	331.68 ✓ 5.1
2+00			7.39	337.30	332.14 ✓ 5.2
+50			6.8	337.9	332.60 ✓ 5.3
3+00			6.15	338.54	333.07 ✓ 5.4
+50	M.H.		5.7	339.0	333.35 ✓ 5.7
+50			5.5	339.2	333.53 ✓ 5.7
4+00			5.04	339.65	333.99 ✓ 5.7
+50			4.4	340.3	334.45 ✓ 5.9
5+00			4.15	340.54	334.91 ✓ 5.6
+50			3.8	340.9	335.37 ✓ 5.5
6+00			3.55	341.14	335.84 ✓ 5.3
+50			3.2	341.5	336.30 ✓ 5.2
+57.5	M.H. Center of Sandis		3.0	341.7	336.40 ✓ 5.3

335.79
5.38
341.17 H.I.

331.22
9.95 ✓

330.76 ✓
10.41

331.68
9.49 ✓

332.14 ✓
9.03

332.60
8.57 ✓

333.07 ✓
8.10

338.54
6.78
345.32 H.I.

333.53
11.79 ✓

333.35
11.97 ✓

333.99 ✓
11.33

334.45
10.87 ✓

334.91
10.41 ✓

335.37 ✓
9.95

336.07
9.25

336.40
8.92 ✓

Mar. 11/12 { Childs / Jayne / Otten

Cont. from page 68

Sta		H.I.	Rod	Ground	Grade	Cut
		344.69				
7+00			2.99	341.70	336.56	5.1
J.P.	7.48	349.18				
+50			7.3	341.9	336.76	5.2
8+00			7.10	342.08	336.96	5.1
+50			6.7	342.5	337.16	5.4
9+00			6.36	342.82	337.36	5.5
+50			6.3	342.9	337.56	5.4
+90 M.H.			6.0	343.2	337.72	5.5
10+00			6.18	343.00	337.76	5.3
+50			6.0	343.2	337.96	5.3
11+00			5.91	343.27	338.16	5.1
+50			5.5	343.7	338.36	5.3
12+00			5.37	343.81	338.56	5.2
+50			5.3	343.9	338.76	5.1
13+00			5.03	344.15	338.96	5.2
+19.25 M.H. center of			4.9	344.3	339.04	5.3
+50 Wightman			4.9	344.3	339.16	5.1

341.70
5.46
347.16 H.I. 337.16 / 10.00 ✓
336.56 / 10.60 ✓ 337.36 / 9.80 ✓ 337.56 / 9.60 ✓
337.76 / 9.40 ✓ 337.72 / 9.44 ✓ 336.92 / 10.24 ✓
5.07
343.27
348.34 H.I. 338.16 / 10.18 ✓ 338.36 / 9.98 ✓
337.96 / 10.38 ✓ 338.56 / 9.78 ✓ 338.76 / 9.58 ✓
338.96 / 9.38 ✓ 339.04 / 9.30 ✓ 339.16 / 9.18 ✓

Mar. 11/12 { Childs Taylor Attin

Cont. from page 69

Sta		H.I.	Rod	Ground	Grade	Cut
14+00		349.18	4.79	344.39	339.36	5.0
+50			4.5	344.7	339.56	5.1
15+00			4.29	344.89	339.76	5.1
+50	F.J.		4.2	345.0	340.0	5.0

348.34 H.I.
339.36
8.98

344.89
5.56
350.45 H.I.
339.56
10.89

339.76
10.69

340.00
10.45

Sewer 5' so. park line from Center alley bet. Idaho & Oregon to center Idaho. +

near 14/13

Schilds Taylor Alley

71

Sta		H.I.	Rod	Ground	Grade	cut
T.P.	8.90	337.43		328.53		
0+00	M.H. Center alley bet. Idaho & Oregon		8.7	328.7	323.00	5.7
+50			7.51	329.92	323.33	6.6
1+00		D	6.9	330.5	323.67	6.8
+49.5	M.H. center Idaho.		8.7	328.7	324.00	4.7

329.92
3.67
333.59 H.I.
323.33
10.26

323.67
9.92

324.0
9.59

Idaho street from 5' so. park line to Dwight.

Sta		H.I.	Rod	Ground	Grade	Cut
		337.43				
0+00	M.H. center of Idaho + 5' so of park line		8.7	328.7	324.00	4.7
+50			8.22	329.21	324.30	4.9
1+00			7.77	329.66	324.60	5.1
+50			7.4	330.0	324.90	5.1
2+00			6.89	330.54	325.20	5.3
+50			6.4	331.0	325.50	5.5
3+00			5.89	331.54	325.80	5.7
+50			5.6	331.8	326.10	5.7
+98.	M.H. center of mystle		5.2	322.2	326.39	5.8
4+00			5.3	332.1	326.40	5.7
+50			4.8	332.6	326.70	5.9
5+00			4.67	332.76	327.00	5.8
+50			4.5	332.9	327.30	5.6
6+00			4.14	333.29	327.60	5.7
+50			3.9	333.5	327.90	5.6
7+00	M.H.		3.6	333.8	328.20	5.6

333.59 H.I.
224.30
9.29
324.60
8.99
324.90
8.69
325.20
8.39
325.50
8.09
331.54
4.96
336.50 H.I.
326.10
10.40
325.80
10.70
326.39
10.11
333.29
4.73
338.02 H.I.
327.90
10.12
328.20
9.82
327.60
10.42
327.30
10.72
327.00
11.02
326.70
11.32
326.40
11.62

Cont. from page 72

Sta	H.I.	Rod	Ground	Grade	cut
	337.43				
7+50		3.5	333.9	328.50	5.4
8+00		3.28	334.15	328.80	5.4
+50		3.1	334.3	329.10	5.2
9+00		2.97	334.46	329.40	5.1
+50		2.8	334.6	329.70	4.9
10+00 F.S.		2.4	335.0	330.00	5.0

334.15
4.98
339.13 H.I.

328.50
10.63

329.40
9.73

330.00
9.13

328.80
10.33

329.10
10.03

329.70
9.43

I Sewer on Texas from to Landis

Sta.			H.I.	Rod	Ground
		6.89	287.46		280.57
0+00	M.H. 5' so. of park line & center of Texas			6.8	280.7
+50				7.1	280.4
1+00				6.67	280.79
+50				6.4	281.1
2+00				6.13	281.33
+50				5.7	281.8
3+00				5.38	282.08
+19.3	M.H. center of mystle			5.2	282.3
+50				5.0	282.5
4+00				4.35	283.11
+50				3.8	283.7
5+00				3.34	284.12
+50				2.6	284.9
6+00				1.97	285.49
+50	M.H.			1.2	286.3
7+00				0.67	286.79
J.P.		6.56	293.35		
+50				6.1	287.3
8+00				5.50	287.85

650
319.3
330.7

5' so. of park line

Mar. 26/13

Childs
Taylor
Atten

74

Grade	Cut
275.00	5.7
275.31	5.1
275.62	5.2
275.93	5.2
276.25	5.1
276.56	5.2
276.87	5.2
277.00	5.3
277.36	5.1
277.96	5.1
278.57	5.1
279.17	5.0
279.78	5.1
280.38	5.1
281.00	5.3
281.60	5.2
282.21	5.1
282.81	5.0

282.59 H.I.
275.31
7.28

275.62
6.97

275.93
6.66

276.25
6.34

281.33
4.86
286.19 H.I.

276.87
9.32

276.56
9.63

277.00
9.19

284.12
4.06
288.18 H.I.

277.36
10.82

277.96
10.22

278.57
9.61

279.17
9.01

281.00
7.18

279.78
8.40

280.38
7.80

286.79
6.05
292.84 H.I.

282.21
10.63

281.60
11.24

282.81
10.03

Cont. from page 74

Sta		H.I.	Rod	Ground	Grade	cut
		293.35				
8+50			4.9	288.5	283.42	5.1
9+00	980.25 / 650 / 330.25		4.22	289.13	284.02	5.1
+50			3.6	289.8	284.64	5.2
+80.25	M.H. center of weight		3.2	290.2	285.00	5.2
10+00			3.07	290.28	285.20	5.1
T.P.	10.63	300.91				
+50			9.8	291.1	285.70	5.4
11+00			8.82	292.09	286.20	5.9
+50			7.6	293.3	286.70	6.6
12+00			6.85	294.06	287.20	6.9
+50			5.66	295.25	287.70	7.5
+80	M.H.		5.1	295.8	288.00	7.8
13+00			4.77	296.14	288.53	7.6
+50			3.8	297.1	289.86	7.2
14+00			2.77	298.14	291.20	6.9
+50			1.7	299.2	292.53	6.7
15+00			0.60	300.31	293.87	6.4
T.P.	3.63	303.94				
+50			2.8	301.1	295.20	5.9
+80	F.S. near fence		2.2	301.7	296.0	5.7

292.84 H.I.
283.42 / 9.42 ✓ — 284.02 / 8.82 ✓
284.64 / 8.20 ✓ — 285.00 / 7.84 ✓ — 285.20 / 7.64 ✓
292.09
4.31
296.40 H.I. — 286.20 / 10.20 ✓
285.70 / 10.70 ✓ — 286.20 / 9.70 ✓
287.20 / 9.20 ✓
300.31
2.27
302.58 H.I. — 295.20 / 7.38 ✓
296.00 / 6.58 ✓ — 293.87 / 8.71 ✓
292.53 / 10.05 ✓ — 291.20 / 11.38 ✓ — 289.86 / 12.72 ✓
294.06
5.06
299.12 H.I. — 288.00 / 11.12 ✓ — 287.70 / 11.42 ✓
288.53 / 10.59 ✓

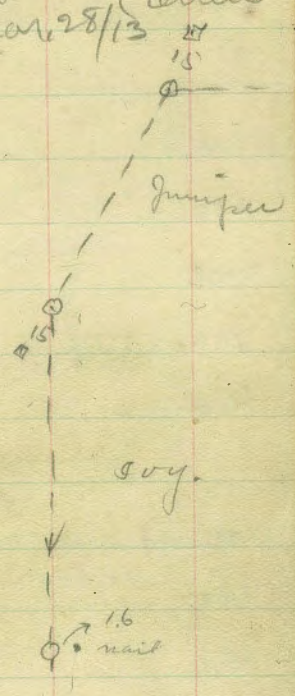
980
650
1260

Part of main sewer to Brookline Hts. from alley bet. Ivy & Hawthorn to alley bet. Juniper & Kalmia.

1.6 to out

Mehrlich Jan. 28/13

Sta.		H.I.	Rod	Ground	Grade	Cut	
T.P.	1.89	272.48		270.39			283.77
0+00	M.H. center of alley bet. Hawthorn & Ivy +148' east of Tam st.		13.0	259.5	253.00	6.5	2.87 286.64 H.I. 273.34 13.30
+25			5.92	266.56	254.45	12.1	275.00 11.64
T.P.	12.97	281.78	3.67	268.81			
+50			10.49	271.29	258.91	15.4	276.80 10.34
1+00			7.02	274.76	258.81	16.0	277.05 9.59
+25			7.84	273.94	260.26	13.6	277.80 8.84
+50			3.66	278.12	261.72	16.4	278.55 8.09
2+00			2.72	279.06	264.62	14.5	271.29 0.42
+25			2.39	279.39	266.07	13.3	271.71 H.I.
+50			9.97	271.81	267.53	4.3	255.91 16.80
3+00			7.76	274.02	270.43	3.6	
+50			2.4	279.4	273.34	6.1	
+78.3	M.H. center alley bet. Ivy & Juniper 89/8	290.11	0.65	281.13	275.00 276.00	6.1 5.1	
T.P. 4+00			8.82	281.29	276.30	5.0	
+50			7.8	282.3	277.05	5.3	
5+00			6.34	283.77	277.80	6.0	
+50			6.1	284.0	278.55	5.5	



Mar. 28/13 { Child Taylor Otten

Cont. from page 76

Sta		H.I.	Rod	Ground	Grade	Cut
		290.11				
6+00			6.37	283.74	279.30	4.4
+50			4.9	285.2	280.05	5.2
7+00			4.86	285.25	280.80	4.5
+50			3.8	286.3	281.55	4.8
+80	M.H. center alley bet Juniper + Kalima		2.0	288.1	282.00	6.1
J.P.	1.15	H.I.		266.56		
0+00	M.H. 2' so. of north line of Hawthorn.	267.71	5.4	262.3	252.25	10.1
+40			4.55	263.16	252.45	10.7
+90			4.0	263.7	252.70	11.0
1+10			4.93	262.78	252.80	10.0
+52	M.H. center of alley bet. Hawthorn + Ivy		8.2	259.5	253.00	6.5

286.64 H.I.
279.30
7.34

280.05
6.59

280.80
5.84

282.00
4.64

279.05
7.59

1.50
17
1050
150
2550

281.55
5.09

262.78
2.19
264.97 H.I.
253.00
11.97

Sewer in alley bet. Idaho & Oregon from alley bet. Elcajon & Meade to Adams ave.

Mar 31/13

Childs
Taylor
Olten

Sta		H.I.	Rod	Ground
J.P. 0+00	M.H. center alley bet Elcajon & Meade.	380.70	5.24	375.46
+50			4.32	376.38
1+00			4.61	376.09
+50			4.8	375.9
2+00		3	4.09	376.61
+50	M.H.		4.2	376.5
3+00			4.79	375.91
+50			4.7	376.0
4+00			4.81	375.89
+50			4.4	376.3
+94.75	M.H. center of Meade ave		4.8	375.9
5+00			4.60	376.10
+50			4.4	376.3
6+00			4.38	376.32
J.P. +50	6.74	383.06	6.7	376.4
7+00			4.78	378.28
+50			5.3	377.8
8+00			6.28	376.78

Grade	cut			
369.00	6.5	376.38 / 4.36 / 380.74	H.I. 369.60 / 11.14	
369.20	7.2	369.20 / 11.54	369.80 / 10.94	
369.40	6.7	376.10 / 4.76 / 380.86	H.I. 370.20 / 10.66	
369.60	6.3	370.00 / 10.86	370.40 / 10.46	
369.80	6.8	370.60 / 10.26	370.80 / 10.06	
370.00	6.5	370.98 / 9.88	371.20 / 9.66	371.40 / 9.46
370.20	5.7	371.60 / 9.26	371.80 / 9.06	372.00 / 8.86
370.40	5.6	372.20 / 8.66		
370.60	5.3			
370.80	5.5			
370.98	4.9			
371.00	5.1			
371.20	5.1			
371.40	4.9			
371.60	4.8			
371.80	6.5			
372.00	5.8			
372.20	4.6			

Cont. from page 78

Expr. 3/12 { Fields / Taylor / Otten

Sta.		H.I.	Rod	Ground	Grade	cut
		383.06				
8+35	M.H.		6.8	376.3	372.34	4.0
+50			5.8	377.3	372.40	4.9
9+00			6.18	376.88	372.60	4.3
+50			6.1	377.0	372.80	4.2
10+00			4.21	378.85	373.00	5.9
+50			5.3	377.8	373.20	4.6
11+00			5.18	377.88	373.40	4.5
+50			5.1	378.0	373.60	4.4
+74.85	M.H. center of manhole.		5.1	378.0	373.70	4.3
12+00			4.45	378.61	373.80	4.8
J.P. +50	7.02	385.63	6.9	378.7	374.00	4.7
13+00			4.23	381.40	374.20	7.2
+50			6.6	379.0	374.40	4.6
14+00			6.34	379.29	374.60	4.7
+50			6.5	379.1	374.80	4.3
15+00			5.89	379.74	375.00	4.7
+15	M.H.		5.8	379.8	375.06	4.7
+50			6.2	379.4	375.20	4.2

376.78
4.70
381.48 H.I.
372.34
9.14

372.40
9.08

372.60
8.88

372.80
8.68

373.00
8.48

373.20
8.28

373.40
8.08

373.60
7.88

373.70
7.78

379.74
4.91
384.65 H.I.
373.80
10.85

374.00
10.65

374.20
10.45

374.40
10.25

374.60
10.05

374.80
9.85

375.00
9.65

375.06
9.59

375.20
9.45

Cont. from page 79

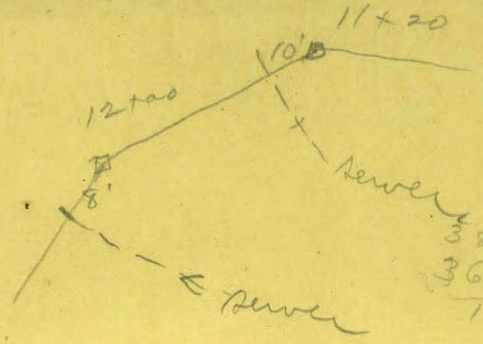
Sta.	H.I.	Rod	Ground
	385.63	6.21	379.42
16+00		5.0	380.6
+50		6.17	379.46
17+00		6.7	378.9
+50		4.62	381.01
18+00		5.6	380.0
+53.75 M.H. center of Madison		4.30	381.33
19+00		5.6	380.0
+50		4.36	381.27
20+00	7.90	8.0	381.2
J.P. +50	389.17	8.65	380.52
21+00		8.1	381.1
+50		7.1	382.1
+95 M.H.		7.12	382.05
22+00		6.8	382.4
+50		6.42	382.75
23+00		5.7	383.5
+50		5.54	383.63
24+00		4.7	384.5
+50		4.72	384.45
25+00		4.2	385.0

+33.2 M.H. center of adams ave.

ENGINEERING DEPARTMENT,
CITY OF SAN DIEGO.
CALIFORNIA.

April 3/13 { Taylor Obtain 80

Grade cut				
375.40	4.0	384.65 H.I.	376.00 / 8.65	
375.60	5.0	375.40 / 9.25	376.20 / 8.45	
375.80	3.7	375.60 / 9.05	376.42 / 8.23	
376.00	2.9	375.80 / 8.85	376.80 / 8.58	
376.20	4.8	381.27 / 4.11 / 385.38 H.I.	377.00 / 8.38	
376.42	3.6	376.60 / 8.78	377.40 / 7.98	
376.60	4.7	377.20 / 8.18	377.78 / 7.60	
376.80	3.2	377.60 / 7.78	378.20 / 7.18	378.40 / 6.98
377.00	4.3	378.00 / 7.38	378.80 / 6.58	379.00 / 6.38
377.20	4.0	378.60 / 6.78		
377.40	3.1	384.45 / 4.71 / 389.16 H.I.	381.33 / 2.78 / 384.11 H.I.	
377.60	3.5	379.14 / 10.02	376.38 / 7.73	
377.78	4.3	773 / 688 / 65		
377.80	4.3			
378.00	4.4			
378.20	4.6			
378.40	5.1			
378.60	5.0			
378.80	5.7			
379.00	5.5			
379.14	5.9			



3850
3690
160

2600
4
10400

18.55
3.40
21.95

101
10.10

1610
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15.80
9.80
12+10

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12800

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610 568
576 568
348 6248

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19.5
75
270

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400

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340
1515
75

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660
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969

1260
905
275

165
330

264

165.05
13
178

3140

165
330
495

1645
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330.4

15
175

640
2533
3173
186
125
40
165

31.53
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380) 2000 (.526
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c + 00 326.04
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165
178

0 + 40 134.4
1 + 00 140.0
3 + 60 153.0
4 + 75 155.0
M.H. 8 + 95.3 175.0
M.H 182.0
M.H 200.0

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1975 27 255

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1449

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1000
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767.8

286.6
28
28.3

1175
680
1855

319
330
649

330) 9.6

12.3 . 1265
333.6 333.25 282.0

103

205
15
1025
205
3075

330
4
1320

152
27
125

482.35
330.4
151.95

52.25

205
30

81
92
61
92
326

41

81
92
61
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234
~~92~~
326

380
326
54

41
51

20
30
71
81

41
51
92

16
51
61

25
76
51
51
51
9