Misc. Surveys
1890

9

TRANSIT

F.B.12

Return to City Engineers Offi
City Hall, San Diego, Cal.

12

~~9.15~~

8.53
9.17
-0.64 leader to Hyd

1.74
1.25
3
1.5

MICROFILMED
DEC 2 1964

12
Return to City Engineers Office
City Hall, San Diego, Cal.

3.91
4.62
8.53
3.24
5.29

8.53
7.83
0.70 to gas line

.41
1.33
1.74

.41
1.33
1.79

7.0

3.24
2.24
1.00

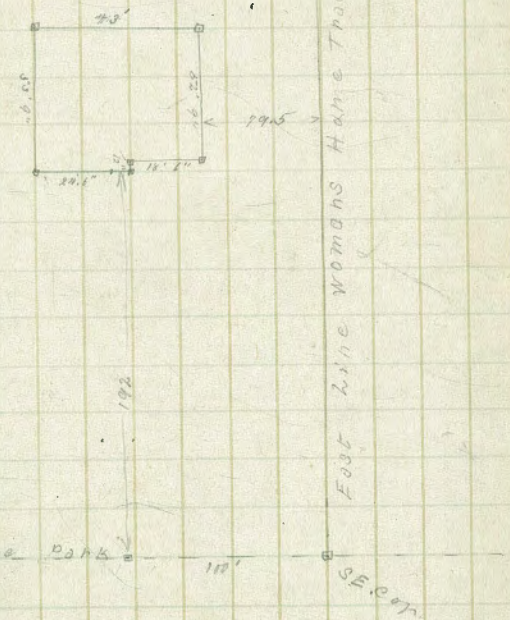
1.75
70
1.05

INDEX.

Womans Home location of 2 44
Memorandum of data for de- of
terminind size of pipe to 45
be used on 6th & C St to deain
cable conduit 4
Deed of
[illegible] 5
Grades lots 5 & 6 Blk 16 Taggarts
Add 7
B St flume levels at 4th St 8
Lewis J Mr survey & grades lots
4, 5 & 6 Blk 18 Bay View Add 9
Board of Education survey
lot L Blk 127 H.A. 10
Sewer Grades for manhole 6th & L 12
Fillmore Ave Add (plat) 14
Falkenham Joseph survey of
lot 10 Blk 14 (Carothers) 15
Survey lines & grades for E 1/2
Blk 8 H Add for St Supt 16
6th St Elevs on curbs 17-19

N.C. & O. R.R. tracks on S St 20-22
B.St. flume at 4th St 23-24
S.W. Water Co lines on S 26th St
Harrison to Franklin 25
Hazzard G.W. survey lots A &
B Blk 88 H.A. 26
Hazzard G.W. check of survey
lots A & B Blk 88 H.A. 43
Monteith Alice B. survey lots 5 & 6 Blk 9 N.&B. 28
survey of Pueblo lot 11 00 30 ~~29~~
Shaw T.M. survey lot K Blk 238
Hortons Add 31
6th St check of curbs 33
Preston Mrs curb grades &
lines lot 16 Blk 278 HA 37
Board of Education lines for
fence S 1/2 Blk 27 Sherman 38
Kelly survey of lots 3 & 4
Blk 69 M.T. 40
M.E. Church curb 41
Survey of lot C Blk 248 HA 42
6th St location of Box drain 44
Elliot E.T. measurements of
piles of Bitumen 45

From a st. 10' West of SE cor of Woman's Home Tract, turned Angle 90° Rt. measured 101.2' and turned 90° Left & met set front line for building and set points as shown in sketch



Grades for Cable Road on Street bet 4th and 6th

Sta	+	HO	Grade	Rock
N.				
B.C				
S.C	0			
H.				
H	+2.0			
B				
H				
Su				
Mont				
Su				
Sh				
67				
P				
h				
B				
f				
2				

B.C. 20' E of East line of 4th St

Elev of drain pipe 5th + C = 49.0
" " " " W. of Front 25.0
" " " " W. atl − 1.5

Dist E. line 5th to W. line Atlantic = 3450'
Total 50.5' Slope = .015

Memo. to determine size of pipe to dram.
Cable Conduit on C. bet 4 + 5th

Allowing drainage area = 3 acres
Rate of storm 1/4" per hour

4356 0
3
130680 sq. ft at 1/4" = 2700 cu ft per hour
.75 " " " sec.

8" pipe = D 67 A = .167
Dist = 3450 ft fall = 50.5
Slope = .015 Coeff = 75
V = 75 √.167 × .015 = 3.75

.167
.015
835
167
02505 .05 × 75 = 3.75 = Vel. per sec.
25

Area of 8" pipe = .349
3375
1500
1125
130875 cu ft disg per sec

Rate of rain fall at 1/4" per hr = .75 cu ft pr. sec
" " disg 8" pipe = 1.308 " " "

Copy

Deed of Jose Antonio Gongora to Juan Rodrigu

En el Pueblo de S. Diego a los viente dias del de Dbre de mil ocho cientos, quarenta y tres Yo Jose Antonio Gongora como Juez de Paz de este Partido en Ejercicio de este jurisdicione de Alta California y con assa de mis dos testigos ordinarios q^l abajo firman y en virtud da pedimento que hase a este Juzgado el C. Juan Rodriguez vecino de otha (?) jurisdicion el que sela mida el puente de su casa, pues la que Subiste actualmente. (?)

Como tambien la suerte de tierra que cultiva agregada ala dha (?), cosa, pagando a este juzgado el pe Vendo Rodriguez los derechos de estih se le midieron, trienti (?) y tres vara del puente de la casa yndino dos solares para cuartos, y del Norte al Sur sesenta y^s del largo, q^l contiene la suerte de tierra, , y de ancho viente y cinco vs. del oeste al Este q^l hase calle con la casa con- sida de Soña.-

+C

Signed Juan Rodriguez
Bonifacio Lopez

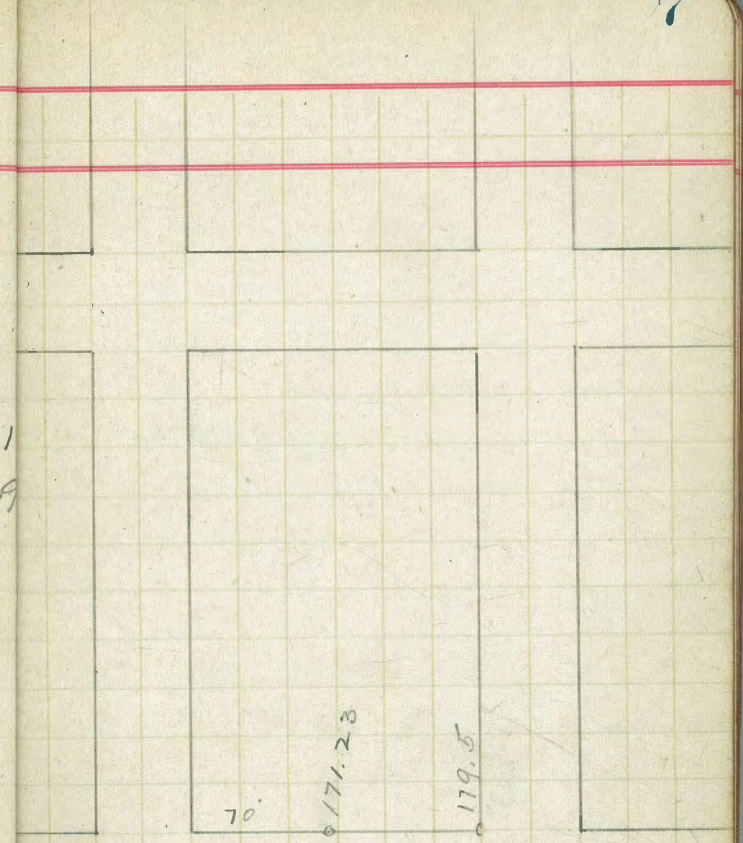
Aug 25, 1850

"All that certain tract or parcel of land lying and being within the limits of the town of San Diego aforesaid and described as follows, to-wit: Commencing One thousand forty (1040) feet due south of a stake or flag pole now standing upon the point of land known on some maps or charts of the bay or port of San Diego as "point de los muertos"; thence running due west six hundred forty (640) feet; thence due north Two thousand six hundred forty (2640) feet; thence due East two thousand six hundred forty (2640) feet; thence due South two thousand six hundred forty (2640) feet; thence due west two thousand feet (2000) to the point of beginning."

This will bring the starting point 50' west of the West line of Atlantic St & 75' South of the S line of H St.

Grades on Lots 5+6 Blk D
Jaggard's Add

174.87	6.80	181.67			
				171.48	10.1
				179.75	1.9
161.69	1.66	173.14	11.45		



Levels taken at B. & Flume by Hamlin & Party 3/20/90.

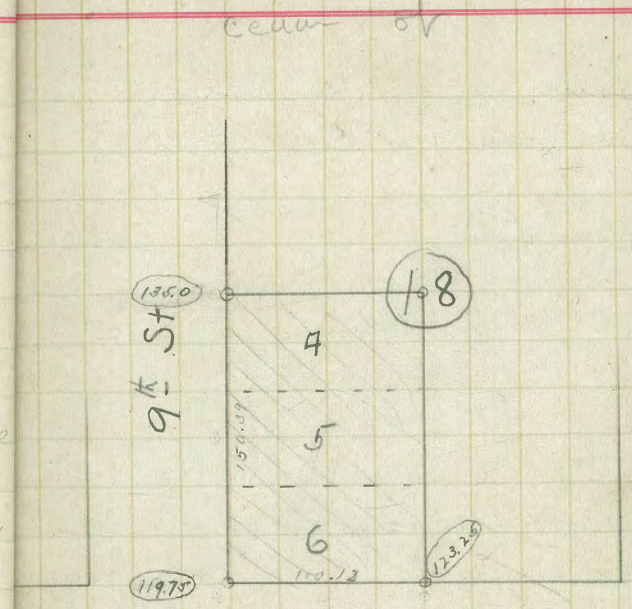
Copied from Hamlin's notes by DM Shaw March 20/89.

	+	HI	−	Elev	
					B.M 50.5
	4.55	55.11			
			5.34	49.77	Top of Flume 4th & B. St
			−	5.67	
				44.10	Sand in bottom of Flume
					B.M 46.5
	2.54	49.09			
			10.45	38.64	Sand in Flume E side 3rd & B.

Hamlin & Park

Mch 25, 90

B.M.	+	H.I.	Grade	Dist.	Elev.
			Survey & Grades for J. L. Lewis		
			Set Center of Curve for Sidewalk		
	120.00	10.70	130.70		
				123.25	7.45
			3.50		3.50
				119.75	10.95
			7.63		7.63
				127.38	3.32
	#	11.94	142.07		0.57 130
				135.00	7.07
	#	10.39	151.84		0.62 141
	B.M.				
					3.43 148



Mar 26 1890

Survey of Lot L Blk 127 H. A.
for Board of Education

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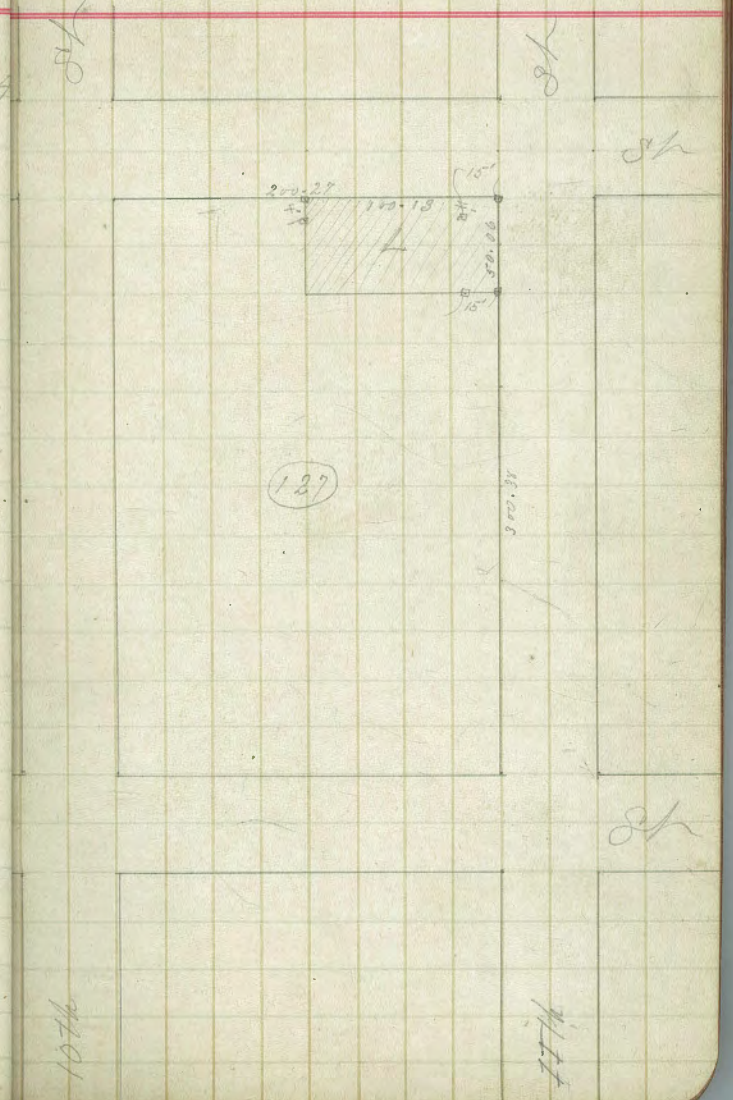
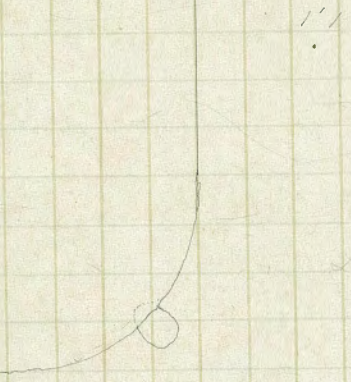
Hamlin
Orton
Williams
Hemsley

Set 3 points as shown in sketch
also set points 15' Back from 11th
and 4' from J St.

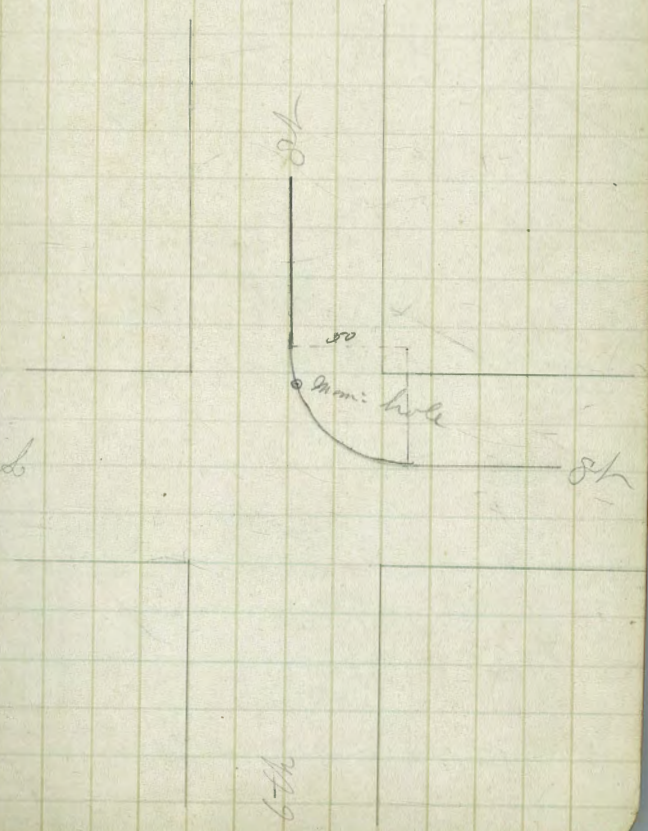




Grade for Man-hole on main line of 6th and L Sts

	B.M.	+	H.I.	Grade	Rod	−
N.						
B.	8.32	1.14	9.46			
S.				2.65	6.81	
H	3.78 3.75	B.M. 6th and L St				5.71
H						
B						
H						
Su						
Mont						
Su						
Sh						
6t						
P						
L						
B						
f						
L						

M. 6th and K Sts

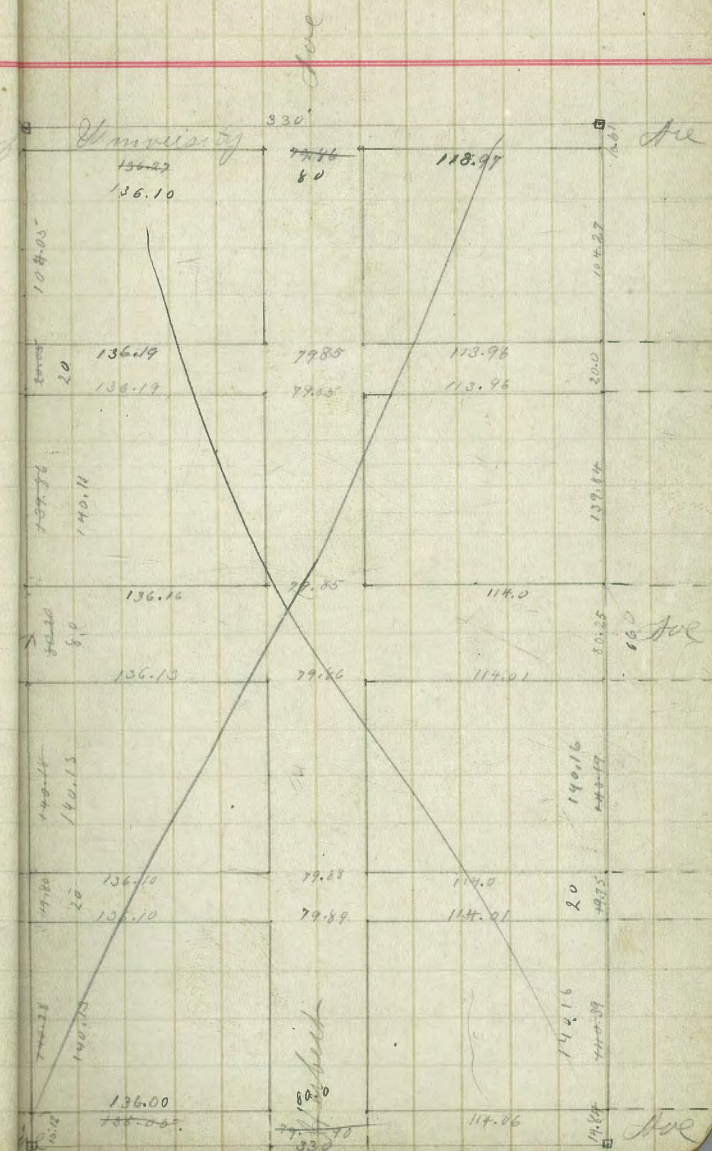


Fillmore Avenue Addition

Sketch showing subdivision of 5 acres for Bright in University Heights

Dist from Hebert to Yale 524.0

See next page



5
136.10
330
466.1

523
466.1
0574

Plat of Filmore Ave Add.
Dist on Filmore St from
Yale to Hubert 524.0'
~~22~~
Being a subdivision portions of Blocks
227, 228, 239 and 240
of University Heights in
Pueblo Lot 1125

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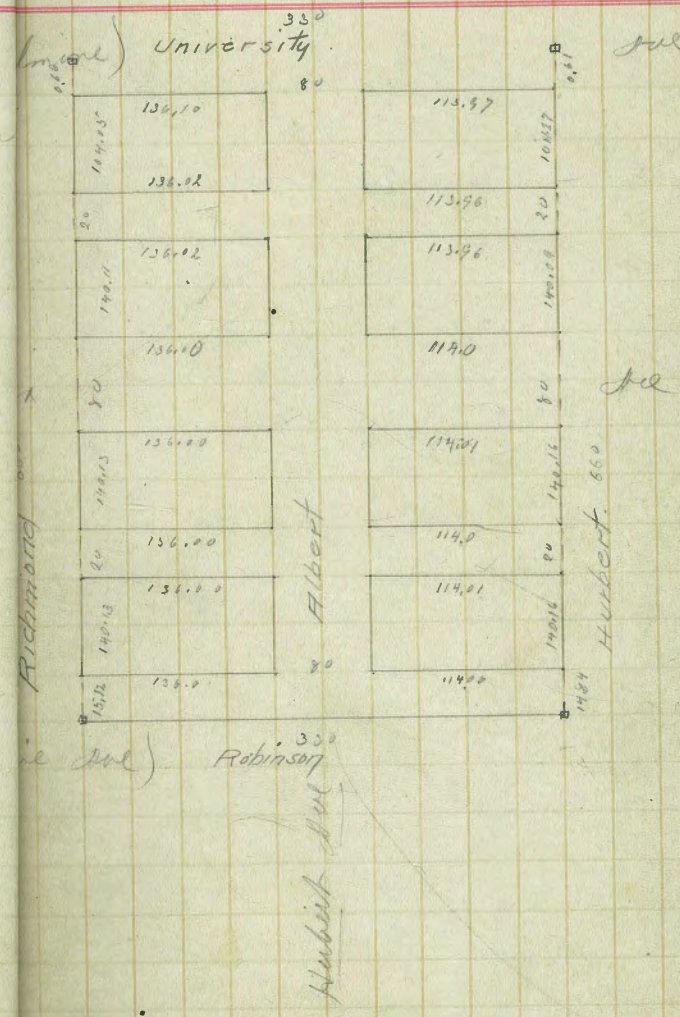

Survey of Lot 10 Blk 14
Carruthers Addition
for Joseph Falkenbrau

Apr 19 1895

Hamlin { Williams
Hemsley

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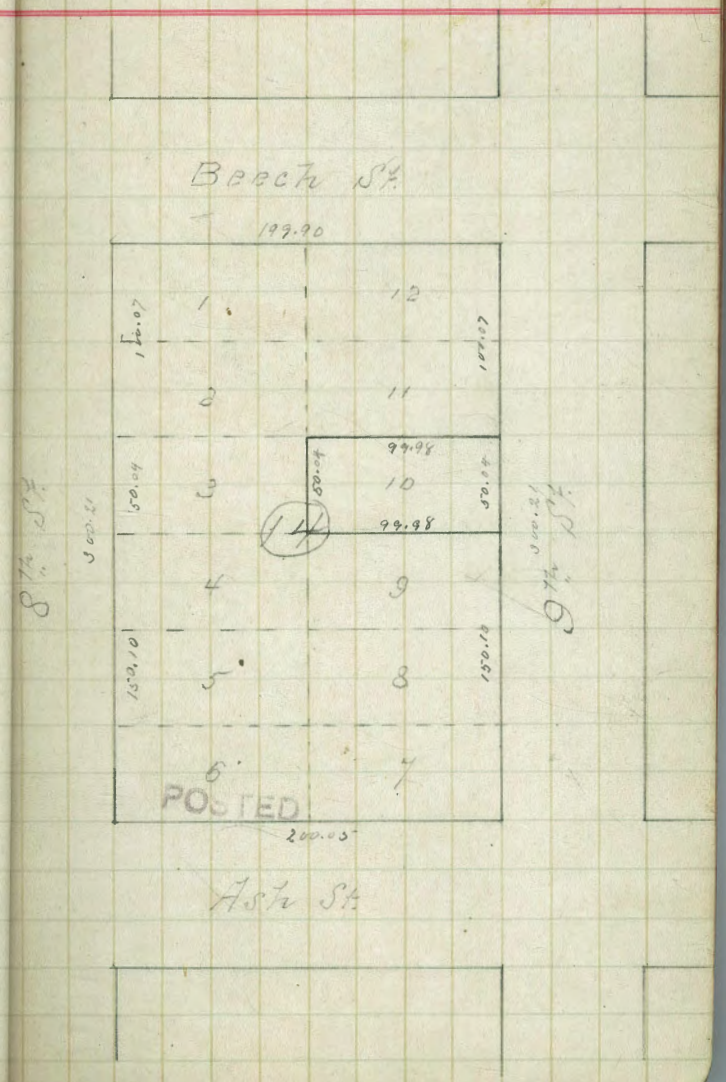
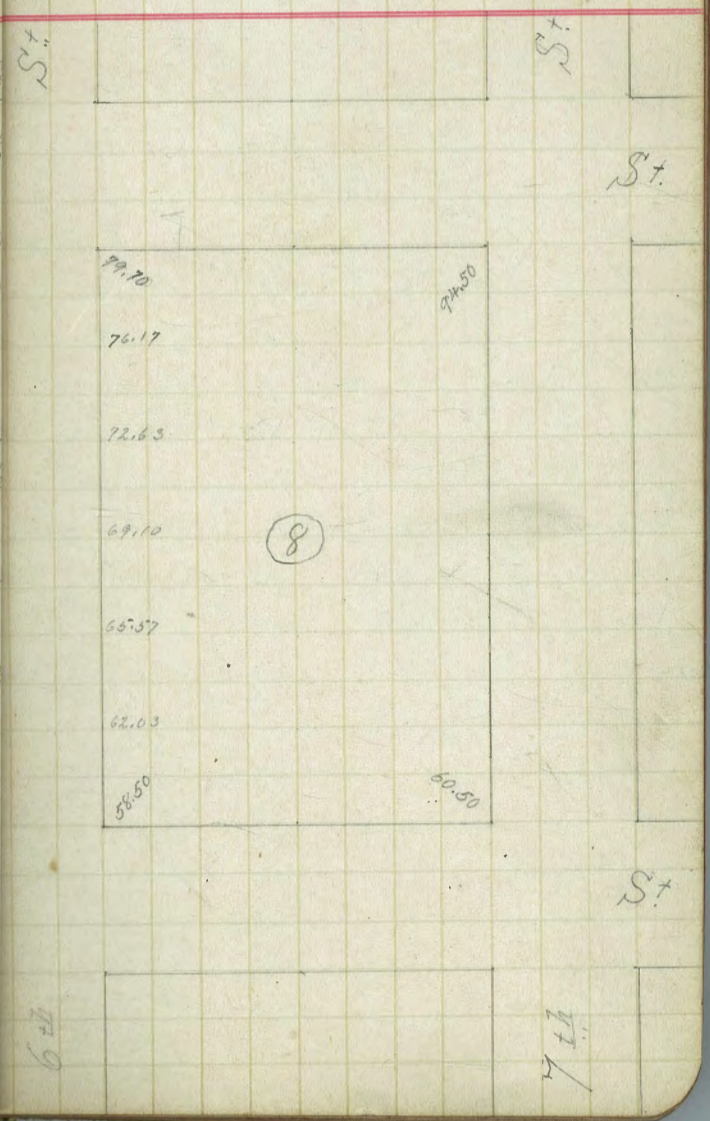


Apr 26 1890 Hamlin { Orton / William / Hemsley

+	HO	Grade	Rod	Elev	St

Grades and lines for [illegible]
1/2 of Blk 8 H.A. for St. Supt.

				6th and B.	
10.90	69.35			58.45	B
		58.50	10.85		
		3.53	3.53		
		62.03	7.32		+
		3.54	3.54		
		65.57	3.78		1
		69.10	0.25		+
11.32	80.42		0.25	69.10	
		72.63	7.79		2
			3.54		
		76.17	4.25		+
			3.53		
		79.70	0.72		3
78.82			1.60		B
	6th and A St.				



Elevs of curbs on 6th St — May 2 1890

Hamlin {Aston / Williams}

Sta	+	H.I.	−	Elev	Grade	
B.M.	3.27	29.77		26.50		
			3.74	26.03	26.	curb at Reed Blk cor of 6th and H St.
			3.77	26.00	26.	on East line of 6th St.
			3.72	26.05	26.	Middle of curve.
0+50			2.84	26.93	26	on N. line of H Street
+75			2.48	27.29	27	on 6th St East side
#	0.53	23.88	6.72	23.05		" " " "
B.M.			4.55	19.34 19.33		7th and I Street
						alk on East side of 6th St bet
						and J.
2+0			7.60	16.28	16.5	
1+50			8.18	15.70	16.30	
1+0			8.84	15.04	15.13	

Elev's on door sills on West side of 6th bet F and G Sts

Sta.	+	HI	-	Elev.	Rm
B.M.	5.490	33.835		28.345	[illegible] and G Street
#	6.32	38.525	1.63	32.205	
0+31			5.94	32.59	[illegible] corner of Alley way
+53			5.34	33.19	[illegible]amilton & Co
+78			5.30	33.23	33 N. Hamilton
1+12			4.95	33.57	33 meyle's door
B.M.	6.900	44.495	0.930	37.595	[illegible] and F Street S.E. nozzle to hydt.
			1.360	43.135	[illegible] and F St

Elev's on each 6th St bet F and G West Side

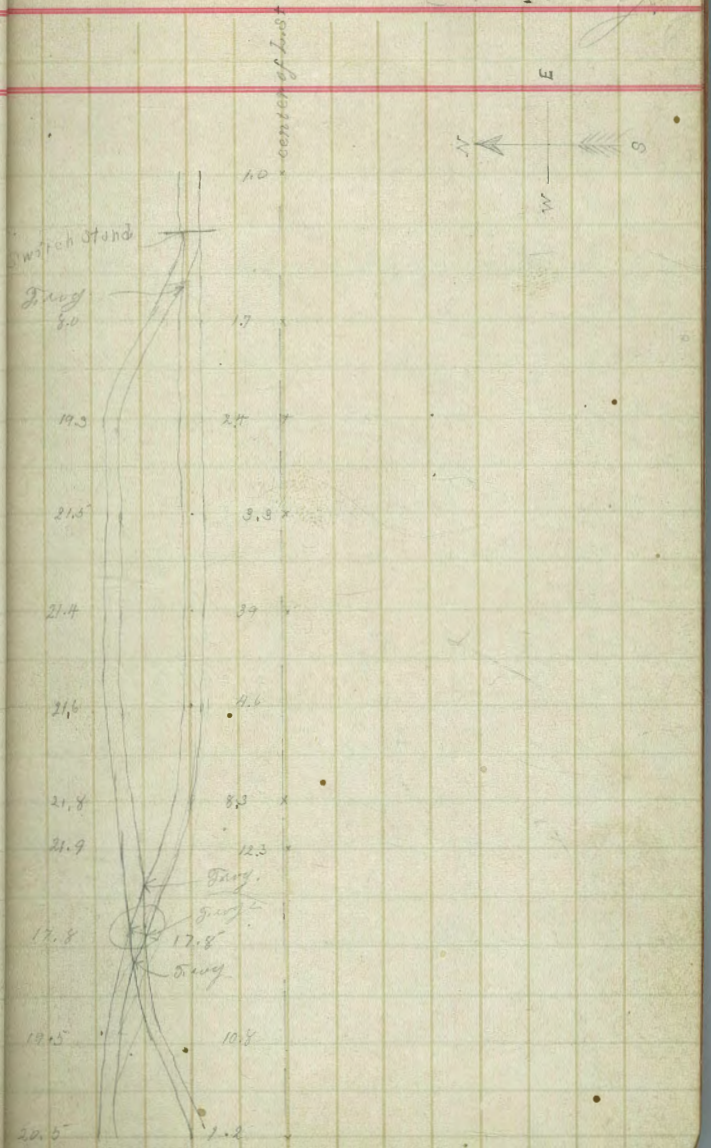
B.M.	5.90	38.11		32.21	
0			6.19	31.92	[illegible]ine of G Street
+12.5			6.03	32.08	
+25			5.91	32.20	
+31			5.84	32.27	[illegible]posite door to Alley.
+37.5			5.77	32.34	
+50			5.64	32.47	
+56			5.62	32.49	" Hamilton & Co's door
+62.5			5.54	32.57	
+75			5.42	32.69	
+78			5.37	32.74	" " " "

Sta	+	HI	−	Elev	
	+87.5	38.11	5.29	32.82	
	1		5.19	32.92	
	+12.5		5.10	33.01	Opposite Angle's door
	+25		4.99	33.12	
	B.M.		0.51	37.60	37. K and F Street

Location of N.C. & O. R.R. on L. Stay 7 1890
from 5th to 11th St.

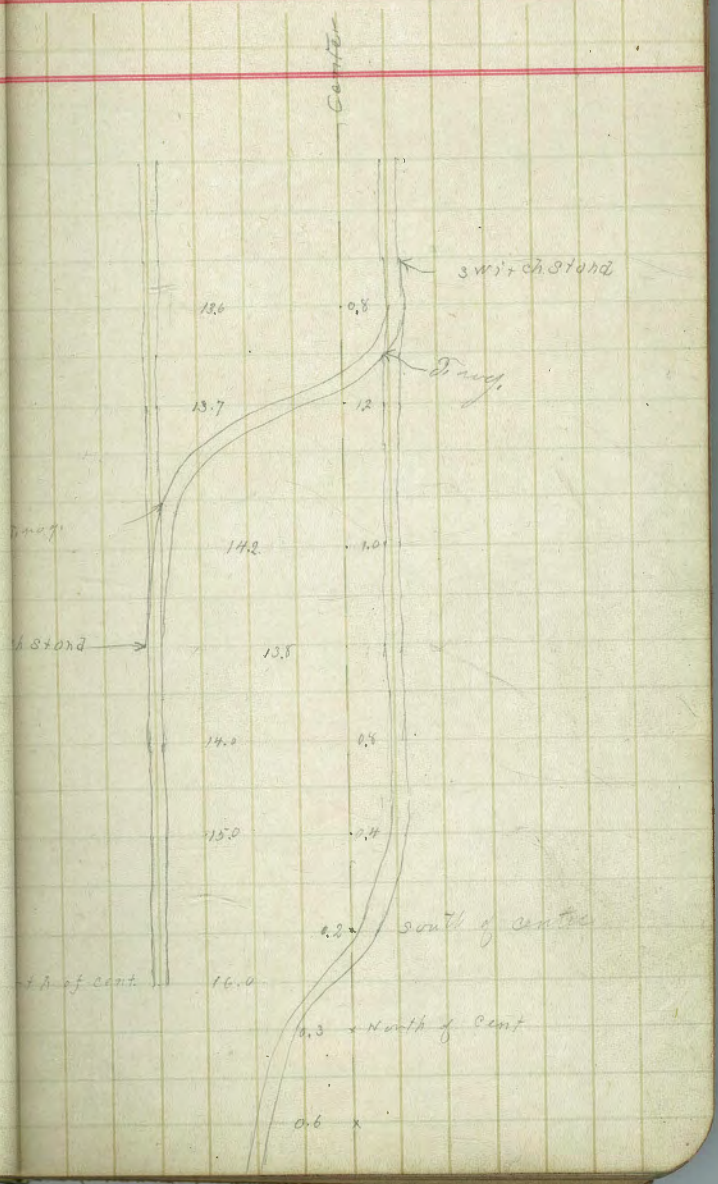
Hamlin { Orton
Willis
Hemsley

Sta	
5	
+90	Switch Stand
+57	Frog.
+50	
4	
+50	
3	
+50	
2+0	
+50	
+20.5	Frog.
1	
+94	Frog.
+68	
+50	
0	East line of 5th Street.

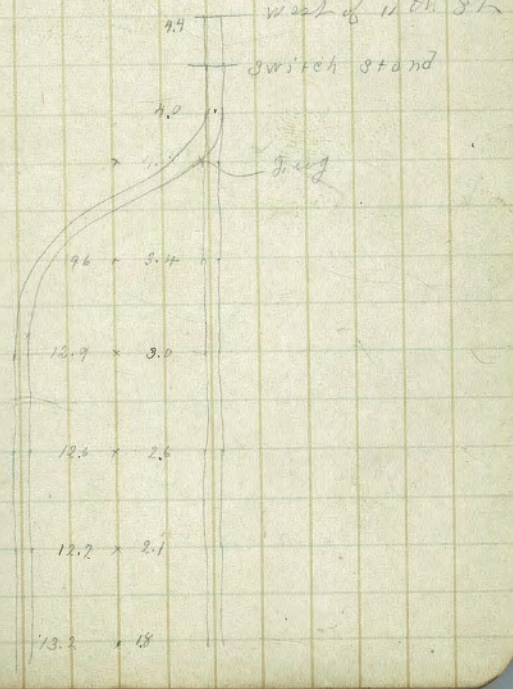


Location of N.C.& O.R.R. on L Sta
from 5th to 11 ±h

Sta					
+50					
+06	Switch Stand				
9					
+55	Frog				
+30					
20	Frog				
8					
+72	Switch Stand				
7+50					
7					
+50					
+22	End of Switch				
6					
5+50					



16	
+ 8.5	
15	
+ 56	Frog
14	
13	
12	
11	
+ 40	West of 9th St
10	



Elev of top of flume at B.S.
on 2nd & 4th St

Sta	+	HI	−	Elev	
B.M.	5.75	52.30		46.55	cor of 2nd & B St.
			7.73	44.57	Elev of flume on West line of 2nd
			7.89	44.41	" " East " "
			2.44	49.86	Elev of flume on West line of 4th
			2.46	49.84	" " East " "
			1.65	50.65	
B.M.					E. cor of 4th and B St.

on East side of 4th St the flume
is 1.40 South of curb line.
on West side of 4th St the flume
is 1.5 South of curb line

Mine

NE	Union	F D	27.5		
SE	"	C	29.0		
	4.54		hr		
27.01	5.95	32.96	28.0	4.96	5.6
				2.65	
NW	Union	F D	30.0		
SW	"	C	31.5		
32.137	~~4.14~~	~~36.277~~			
	3.83	35.967			
32.379			30.5	5.467	
	3.32	36.38		2.91	33.
			30.7	5.68	
	3.69	33.75		6.32	30.
			28.3	5.45	
				5.33	31.
CK2	on SW	Union			

Lines for Water Pipe from Harrison to Franklin, on South 26th St.

Sta	+	H.O	−	Elev	Gut
B.M.	1.47	94.45		92.98	Geant and South 26th St
				7.165	87½ cor of house
			8.36	86.09	839 ✓
#	11.82	103.07	3.20	91.25	
B.M.			1.07	102.00	
0					E. line of Harrison Ave
1+50					
3					Line of Geant Ave
+80=0					st line of Geant Ave
1+50					
3					. line of Franklin Ave

From Sta 0 ∠ 90° Right an
set point 7' from Property lin
being 2' from face of hydt.

Grade for Manhole at 14th and J St

Hamilton { Acton / Williams / Hemaley

Sta	+	HO	Grade	Mod	
BM	4.88	27.01			22 4th and J St
			20.83	6.18	Mutter grade at SW cor of 4th and J St

grade at J St SW 36.0
" " K St " 13.5

Survey & Grades for McHazzard

Mch 26/90

Spencer
William
Crowell
Hub

24.475	2.475	26.950			
17.051	9.837	26.888			
			22.125	4.825	1.
			20.295	6.655	
Set Grades Center of Sidewalk			24.275	2.675	2
Grades with transit			20.295		

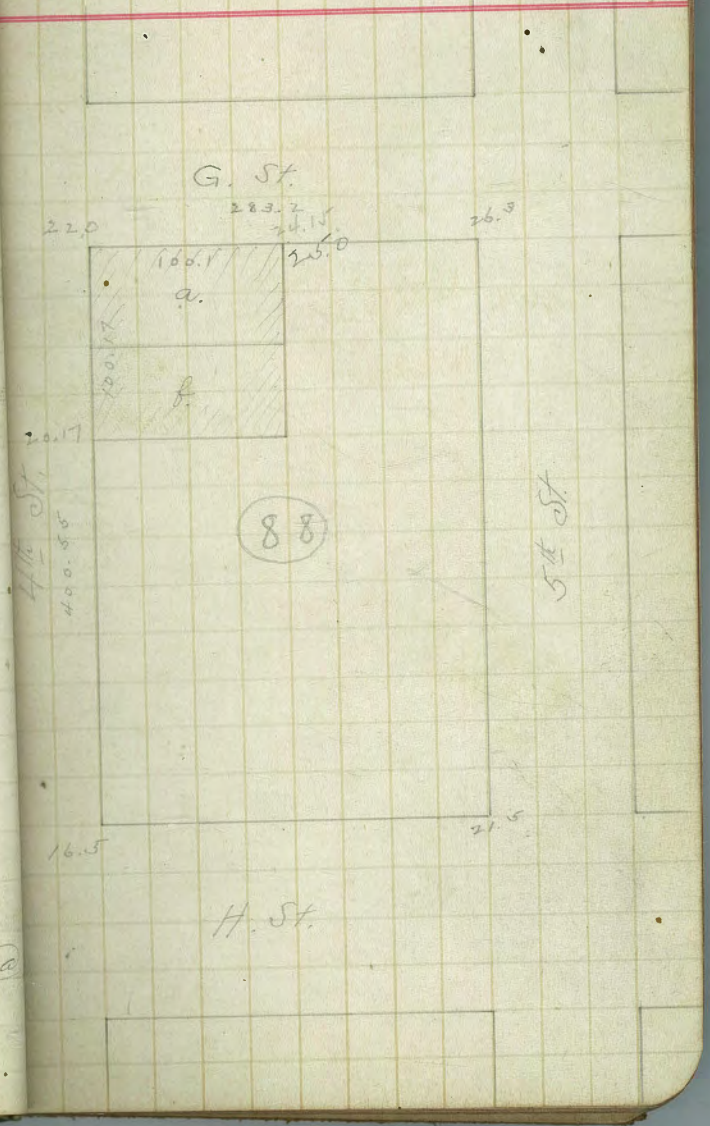
22.0
16.5
3) 5.5
1.83

26.3
22
2) 4.3
2.15

0.44
26.51

Points are set in Center of Sidewalk – 3 Corners

Ord. # 56
Date Mch 7th 1887
Grade at NE Cor Lot A Set @
by Hamlin June 1. 90

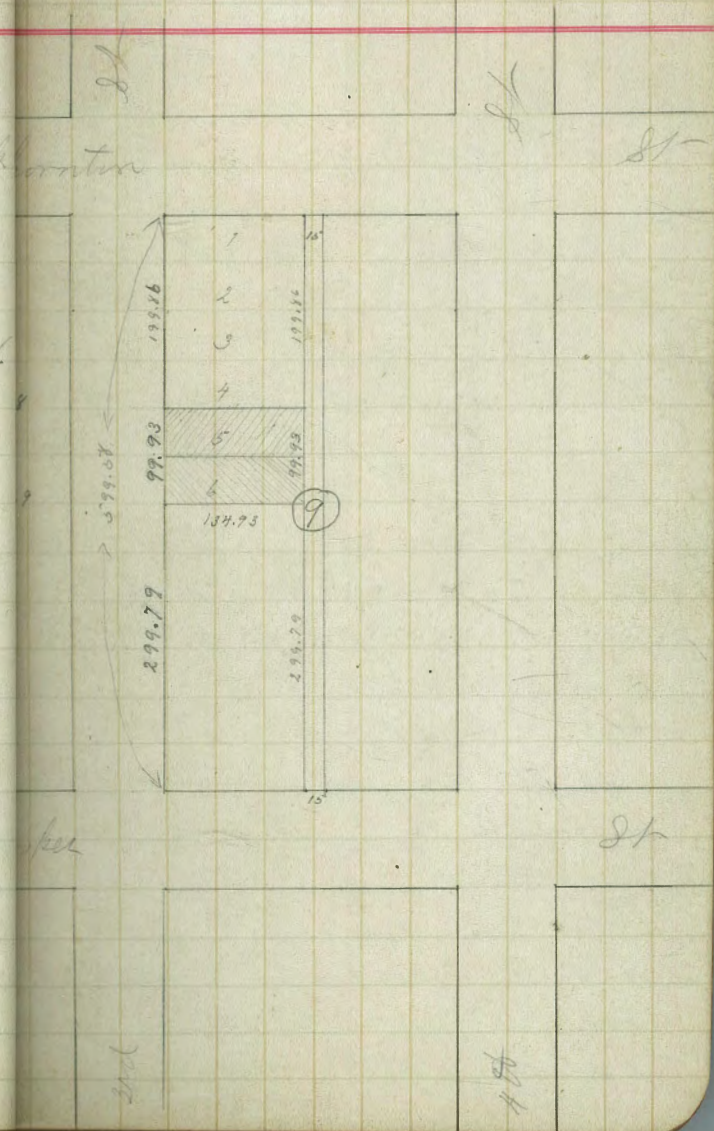


			Rod	Elev	Gro	
	46.525	3.585	50.110			
					46	
			3.26	46.85	46	.76
					46	
			3.72	46.39	45	1.04
					45	
			4.54	45.57	44	1.06
					44	
			5.57	44.54	43	.82
					45	
			6.15	43.96	42	1.04

Survey of lots 5 and 6 Blk 9 July 7 1890 Hamlin { Williams ch / Hensley / Oetor stake
Nat and Brooker Add

surveyed from original blk
and corners of alleys.

N.E. cor 6" higher than N.W.
S.E. cor 1' 4" " than S.W.



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Connection of cors of Prue
1100 with center in Old to

July 16 1890

Beginning at N.W. cor of 1103 mea
N 29° 25' E 589.1 to N.E. cor o
1100.
From thence angle 90° Left
S 60 35 West
467' to large stake marked
1/2 of 1100 .50 South of line
933.3 to tall white stake. 0.6 S
corrected
From thence 38° 25' Left
South 22° 05' West measured
500 Δ 9° 37' Left S 12° 35' W.
From last point 518.3 = N. cor Town
from cor of Old Town. 80° 37' Lef
S 67° 55' E 675' to ce
of Gainer St on N.E. line of O
Town ~~line~~
From last point 93° 21' Left
N 18° 35' E 430.7. to ~~SW cor 110~~
from this point 41° 26' Right
N 60° 05' E. 301.0

Also in Book 55

from last point 0° 24' Right
N 60° 30' E 162.8' To stake marked
of 1100. 36° 14' Left 578
N 24° 10' E to large stone c
of 1103 the point of beginning

528.9

Survey of lot K blk 238 Hanta

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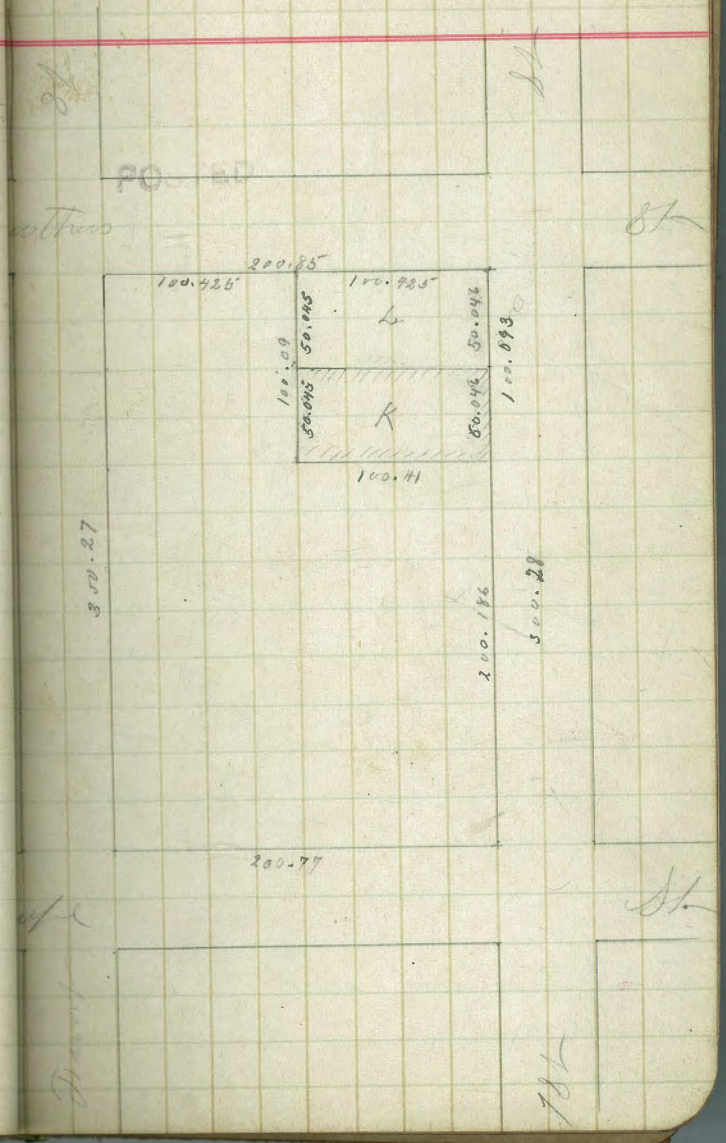


Elev on Walk on 6th St

Sta	+	H	−	Elev	
B.M.	3.34	55.41			52
			4.79	50.62	S Line 6th } S.W. H and 6th
2+50 to 3 concrete			4.65	50.76	Line 6th
2+50 on West side					0.[illegible] concrete curb.
	Sta 2 to 2+50 granite curb				
2 on west side					0.[illegible] concrete curb
	Sta 1 to 1+50 concrete curb.				
1	concrete curb				0.15
Lot	Bet Hand 2 St on East				

Elev on old curb on 6th St — July 31 1890

Sta	+	HI	−	Elev.	Du		
		Between I and J St					
B M	7.70	21.44		13.74			6th & J St
1 Beginning of concrete			6.43	15.03	15.14	Low	East of 6th bet J & I St
2 End of concrete			5.19	16.25	16.58	Low.	" " " "
B M			1.70	19.74			6th & I St
		Between G and H St					
B.M.	6.74	32.79		26.05			6th and H St
0			6.76	26.03	26.3	high.	East of 6th } N.E. cor 6th and H
0			6.74	26.05	26	high	North of H St }
0 + 75			5.57	27.28	27	Low.	On East of 6th St
0			7.22	25.57	25.07	high.	West line 6th } N.W. cor 6th & H
0			7.04	25.75	25.5	high	N Line H St }
0+75	< on plank walk		5.37	27.42	26.54	high.	On west of 6th St
#	9.10	38.39	3.50	29.29			
B.M.			4.78	33.61			6th and G St
		Between F & G St					
0			6.39	32.00	32		on West of 6th St } N.W. 6th & G
0			6.47	31.92	32	Low.	on North of G St }
1+25			5.28	33.11	33.4	Low.	On West side 6th St

Elev on curbs on 6th St

Sta	+	HO	−	Elev		
		38.39	Between F and G			
Bm #	7.27	44.86	0.80	37.59		6th and F St
0			8.23	36.63	36.17 low	one West of 6th St } NE cor 6th & F
0			8.19	36.67	36.13 low.	on North of F St }
1			6.26	38.60	38.07 low.	one West of 6th St
						6th & E St
BM #	7.87	52.43	0.32	44.56		
Between H6 and E St						
0			8.92	43.51	43.91 high	East of 6th St } NE 6th & E
0			8.88	43.53	43.43 high	N of E St }
1			6.76	45.67	45.56 low	one East of 6th St
+50					.07 low.	
1			6.80	45.63	45.14 low.	one West of 6th St
2			4.60	47.83	48.30 low.	" " "
+50			2.73	49.70	49.38 high	" " "
0			1.67	50.76	50.16 high.	one West of 6th } SW H6 & 6th St
0			1.81	50.62	50.12 high	on South of H6 }
Bm.			0.35	52.08		6th and H6 St

			West	East	
Bet	B and C.		I N	N½ D F	5' walk balance con. curb. A + B.
"	C "	D.	G H I J K L no wa		concrete returns Int D all corners
"	D and E		Lot L curb out in		and high repair Hyd. stands.
			" I & J " + sidewalk		and in street
			" C " bad		
			" D far sidewalk		concrete curb + walk gran " concrete walk wooden walk granite curb
			" G. H. no sidewalk		Int. E. returns on NE, SW, SE. NW no return
"	E and F.		" A + B wooden walk		
			N½ C. no walk		
			S½ C D E F. con. curb		Int F. all return sidewalk
			" G & H " " "		3 cor. Con curb. SW granite -
			I J. K & L. O.K.		
"	F and G.		45' A Lot con curb + sidw		
			5' A B C N½ I D no walk		D and E OK Lot F no walk
			20' K & L. sidewalk		
			30 K no walk (?)		Int G. NW. return con. curb + sidewalk
			N½ J no walk		NE, SW, S.E. granite curb no sidewalk
			S½ J + N½ I OK.		
			G. H + I½ I. curb + wal		

B.C. D N½ E granite

Bet G and H. Lot A. no walk

" L and N½ K no walk

N½ J no walk

N½ H curb no walk

S½ H and G. Brick w

" F and S½ E con curb

C D E N½ H

Bet H and I Lot A + B sidewalk

" G H I J K + L no side

S½ F gran curb + sidew

Bet I and J A + B. no walk

C + D. walk + curb l

E + F. no walk

G. H I. J. K and L n

material on Ground

bet J and K Lot G. sidewalk

a B c d e f H i j k L no walk

bet K and L no walks.

4 St Int. N E. cor. con. curb + walk gutter low

N.W, S W ~~S E~~ gran curb no walk

S.E. gran. curb + cem. walk

K. Gutter low.

I. Int. 4 cor granite curbs

N W S W S E no walk N.E. walk

J St Int 4 cor. no walks

K Int N W. cor return

N E S W S E no walk

Curb grades for lot D Blk

H.A. Aug 8 1890 For Mrs

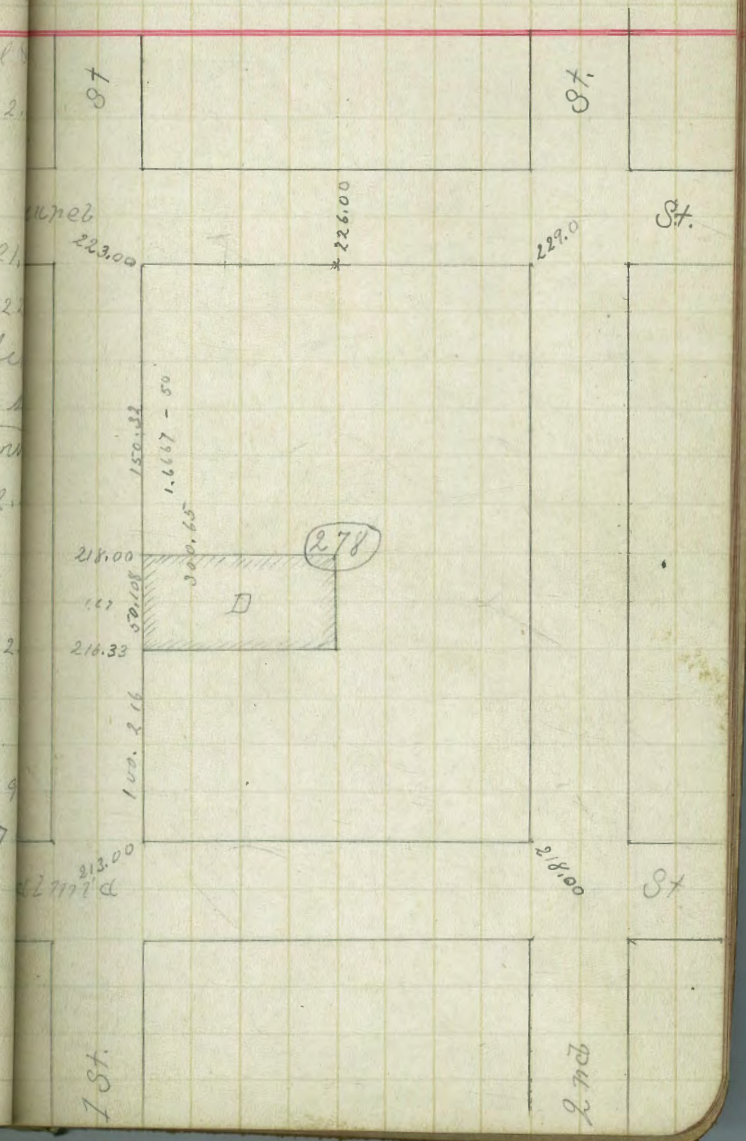
Hamlin Mich
Geo
Hemsly.

Sta	+	HI	Grade	Rod	Ele
					Kal
B.M.	10.46	222.72			212.
1			216.33	6.39 ✓	
+50			218.00	1.67 4.72 ✓	
#	3.34	224.59		1.47	221.
B.M.	Sawed & 1st			2.01	22

Aug 20 1890 curb not built be
wall set from line & grades
below

1st & Kalmia					
B.M.	11.66	223.92			212.
			216.33	7.59 ✓	
			218.00	5.92 ✓	
B.M.	1st Sawed.			1.34	222

Top of wall North line 4.49 219
" " " South " 5.93 217
wall 0.03 back on lot



Survey of South 1/2 of Blk 27
Sherman Add for the
Board of Education

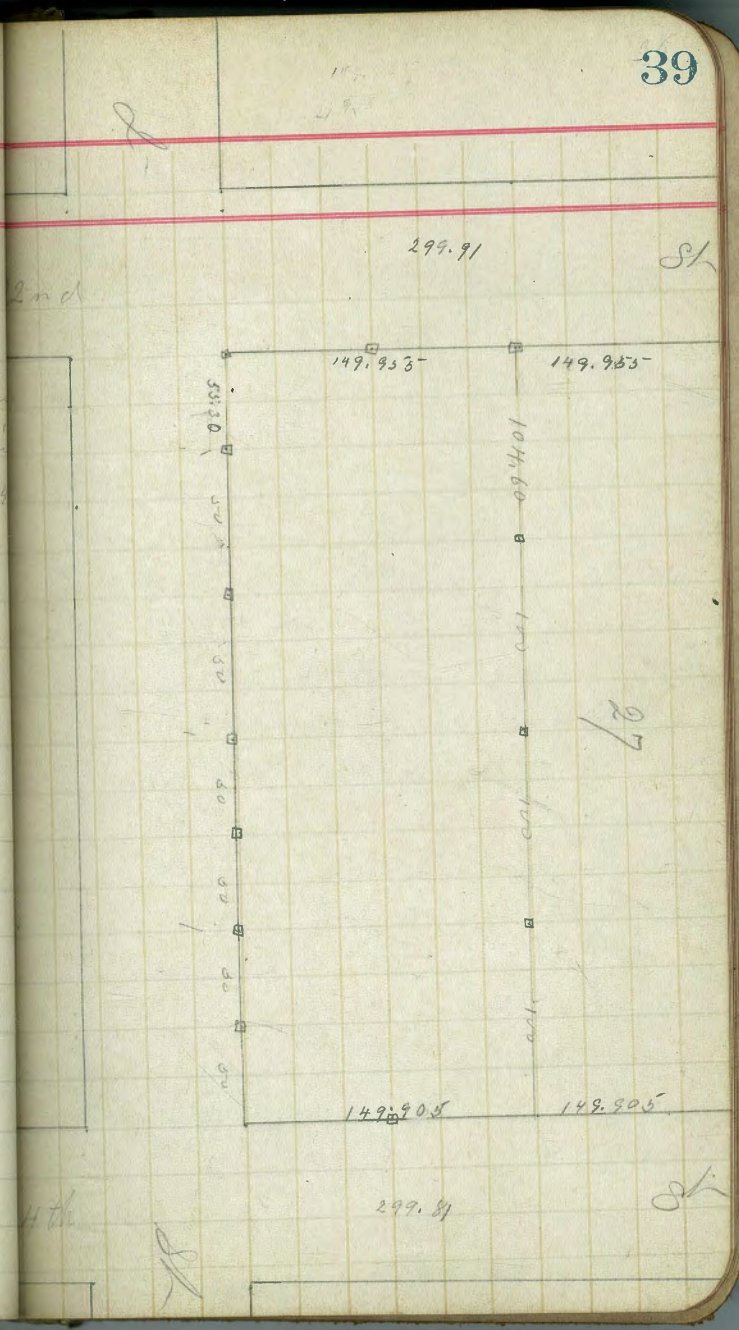
Aug 8 1890

set plugs 100' apart on back li
50 " " front li
75' " " 22nd & 24

all points except cons set
approx measurement.

300
404.6
405.3
1109.9

1110



Line for water pipe from Univ Ave to Pavilion

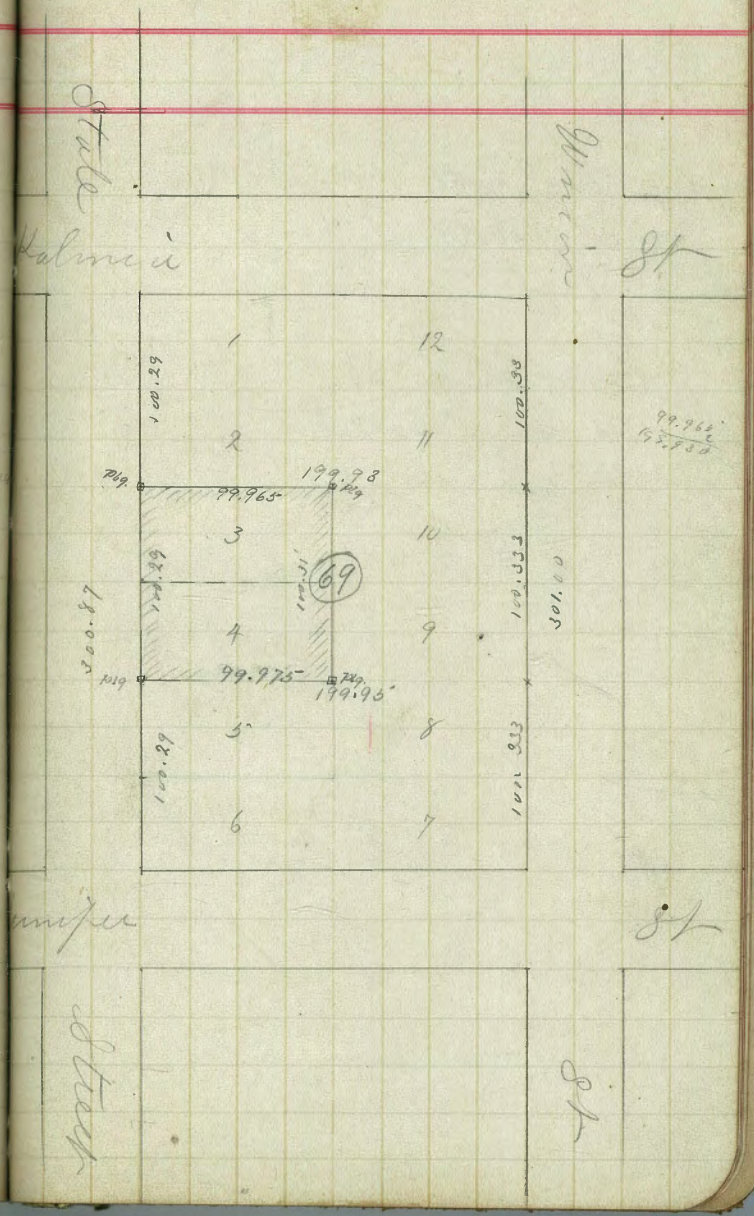
Aug 20 1890 Hamlin Estate Williams Kemsley

Beginning at tee at angle in Univ. Boulevard opposite College campus run along a line 7' East of center line of Boulevard 182 from thence angle 23° left along a line 7' East of center line of Carolina Ave 191' set stake and 352.5' set stake 13' South & 13' East of center of Carolina Ave & Jackson St

From thence west 190' set stake, from this point 200' set stake 13' South & 13' East of center of North St & Jackson St From this point north the line was already set

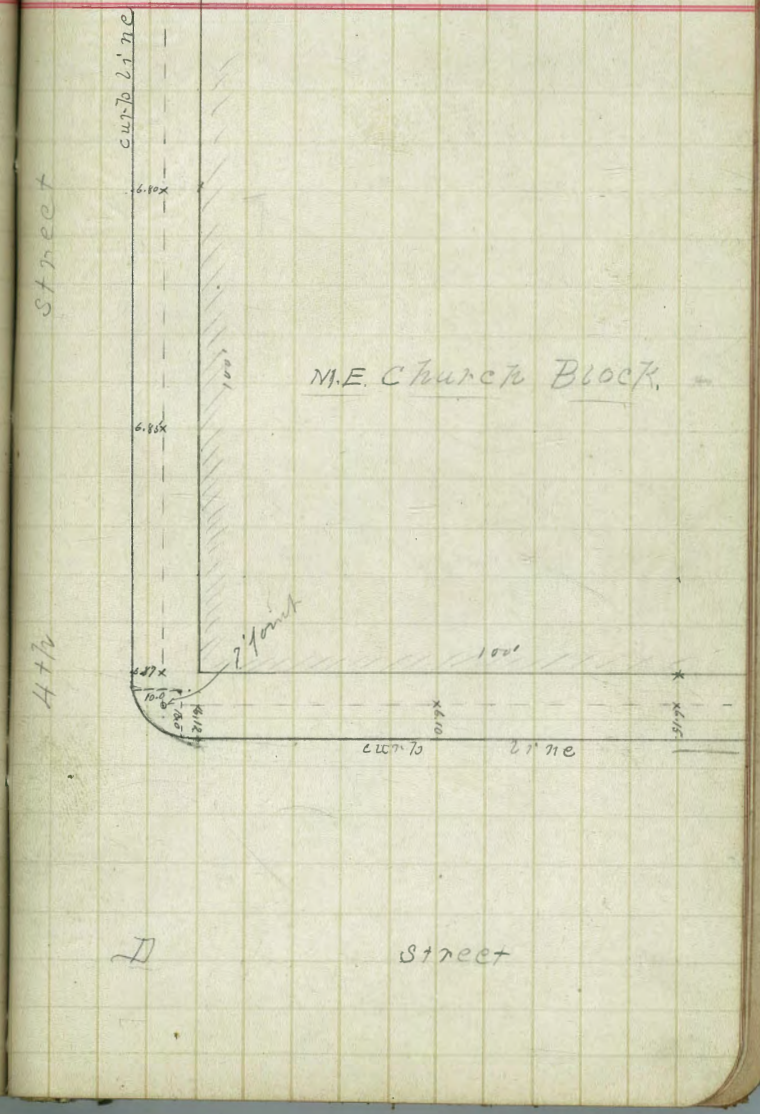
Survey of lots 3 and 4 Blk 69
N. P. Add

Completed Mon. July 18 1890
Set plugs at four corners as
shown in sketch; each plug within



Sketch showing walk on NE cor of 4th & D St SW at M.E. Church block

Aug 20 1890
Hamlin
Cutler
Williams
Hemsley

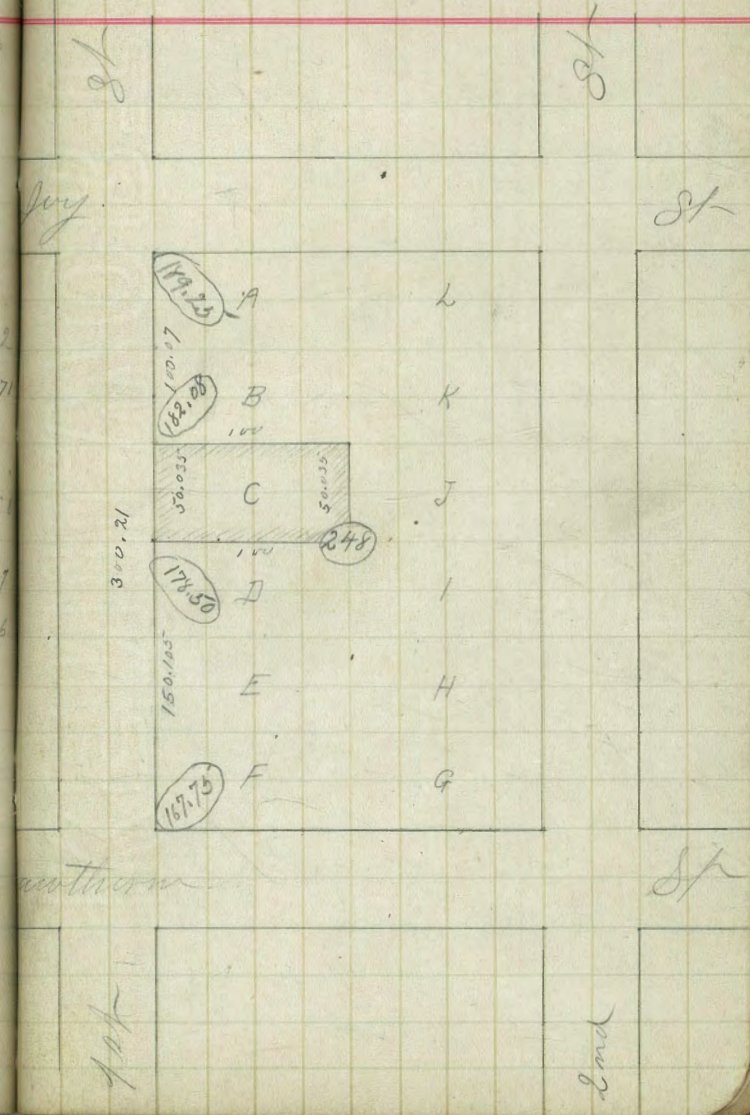


Aug 25 1890

Hamlin transm
Acton
Williams
Kemsley

Sta	+	HI	Grade	Rod	Elev
Survey of Lot C Blk 248 HA					
Ordered by Reid Bros.					
For Pollock					
Grades given Oct 17 1890					
BM	11.89	177.51			165.62
#	10.26	186.97		0.80	176.71
++50			178.50	8.47 ✓	
2			3.58 182.08	3.58 4.89 ✓	
+75			183.87	1.79 3.10 ✓	3.5[illegible]
#	6.74	192.81		0.90	186.07
				2.35	190.46

100.07
50.035
150.105
300.210

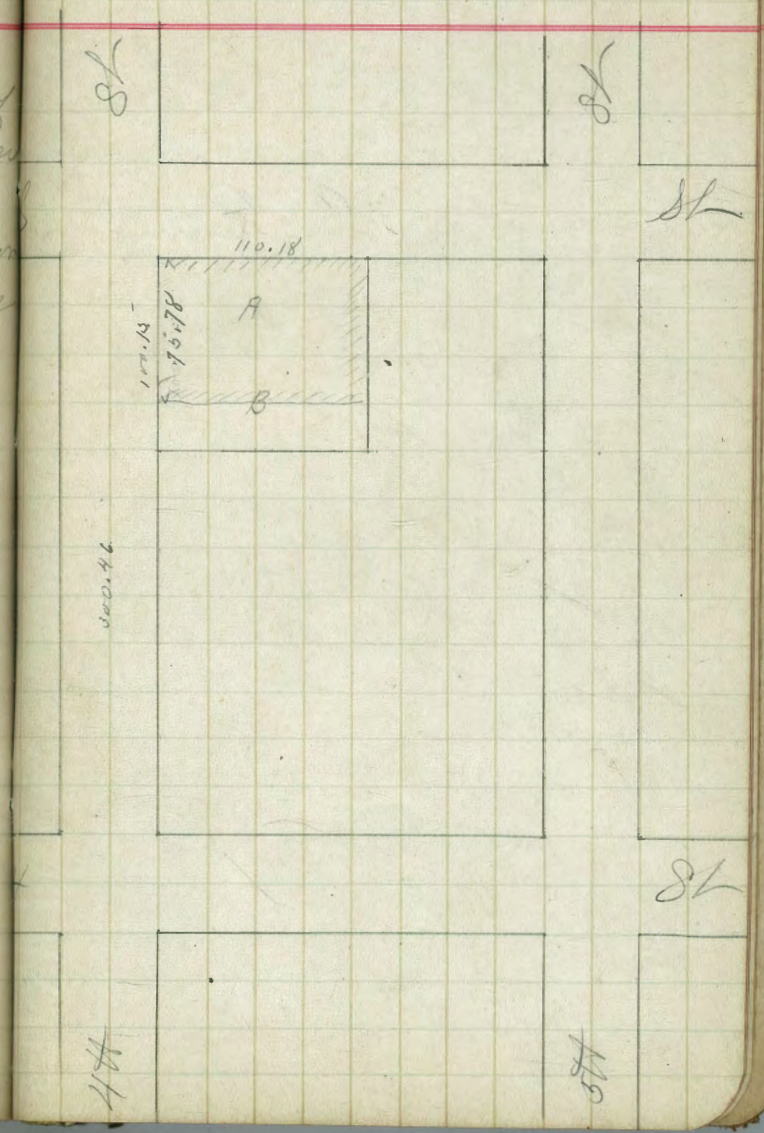


Check of Survey at S W cor of 4th & G St for G. W. Hazzard

Sept 3 1890

See page 26 for notes of original survey by Spencer

Building has a 75.78 front on 4th St, and 110.18 front on G St, and to correct line of frontage.



Location of box drain at foot of 6th St

Beginning at the North line of 2 St on curb line B.S. on curb line. Angle 5° 19' Left. S 14° 0' E 12' to drain crossing 6th St from West side

43' to manhole covered with slats

122 to manhole covered with slats.

194 to manhole (open) also point where flume turns to right

From thence 27° 53' Right S 13° 30' W. 174' to end of flume.

New Drain

Measurements of piles of Bituminous rock for Gen Ellis

1st pile

height at lower end. 3.2
" " upper end. 3.5
length 27' Width 13' = 1175.85 cu ft

2nd pile 2' deep } on south sill
" 2. deep } above
Width 12' length 17' = 408.0 cu ft

3rd pile

4.5' deep at north
4.0 " at South
length 27'
Width 18' on south
" 13' on north
= 1778.62

4th pile 3' x 6' x 11' length 1.6' deep
= 89.10 cu ft

5th pile 17' long 4' on bottom 3.5' deep at East end 3' deep on West End. 4' wide on bottom tapering to a point along the ridge = 110.5' cu ft

6th pile triangular
14' x 18' x 13'. 3.5' deep.
= 357.5 2

Total 3919.5 cu ft

Weight 138' per cu foot =
270 tons

Sta	+	HI	—	Elev		
BM	2.04	5.95			3.91	6th & L St
0			3.47	2.48		North of L St End of curb
+20			3.83	2.12		"
+40			3.70	2.25		Centre of L St
+60			4.04	1.91		
+80			3.81	2.14		South of L St
1+05			4.00	1.95		
+30			4.61	1.34		
+55			5.05	0.90		
+80			5.19	0.76		
2+05			5.28	0.67		
+30			5.63	0.32		
+55			5.35	0.60		
+80			5.08	0.87		
3+05			5.33	0.62		
Top of flume at			6.96	-1.01	Sta	3+05 top plank 2" depth of flume 2'
0						catch Basin

Sta	Elev	Grade	Cut	'	"
+64	3.24	+0.36	2.88	2	10 5/8"
+50	2.78	+ 0.17	2.95	2	11 3/8"
+25	2.21	− 0.16	2.37	2	4 1/2"
0	2.48	− 0.50	2.98	2	11 3/4"
+20	2.12	− 0.65	2.77	2	9 1/4"
+40	2.25	− 0.80	3.05	3	0 5/8"
+60	1.91	− 0.94	2.85	2	10 1/4"
+80	2.14	− 1.09	3.23	3	2 3/4"
1+05	1.95	− 1.27	3.12	3	1 1/2"
+30	1.34	− 1.46	2.80	2	9 5/8"
+55	0.90	− 1.64	2.54	2	6 1/2"
+80	0.76	− 1.83	2.59	2	7 1/8"
2+05	0.67	−2.01	2.68	2	8 1/8"
+30	0.32	−2.19	2.51	2	6 1/8"
+55	0.60	− 2.38	2.98	2	11 3/4"
+80	0.87	− 2.56	3.43	3	5 1/8"
3+05	0.62	− 2.75	3.37	3	4 5/8"
+30					
+55					
+80					

End flume −3.87
at Manhole −2.56

conduit

Gate Barn

− 3.0 true grade of flow

138 [illegible] ft. [illegible]

13 30
13 50
26 80

4th & G. S.E. Cor = 22
+ 100 = 25
5th & G SW = 26.3

3.0
1.5
4.5

189.25
182.08
4) 7.17
1.7925

2) 379.81
189.90
2
279.80

3) 300.21
100.07

50.035

2) 379.91
189.95
2
379.90

182.08
1.79
183.8725
5.3775
189.2500

.0466
4
.1864

100.07
50.035
150.105

1.7925
3
5.3775

6) 28
.0466
2
.0932

600
30
75
2) 705
350

213.00
3.33
216.33
1.66
218.00
1.66
219.66
3.33
223.00

13.36
13.50
26.80
20
27

117.1 20' cust 2' above 49

47 [illegible] 110 .07

6) 300.65
50.108

145 3.33
2
6.66
0.39

27
1.66

223
213
6) 10
1.33

2) 300.44
150.22

200.186
100.093
300.280

100.093
50.046

50.108
3
150.324

9'

3

150.324
50.108
100.216
300.648

3.33

9.3

A	L
B	K
C	J
D	I
E	H
F	G

6) 10
1.666

3.33
2
6.66

217.99
219.43

299.91
149.95
40
189.95

2.14
.0933

218.00
216.33
1.67

219.43
217.99
1.44

1.44

213.00
3.33
216.33
1.66
218.00

2800

1

20' South of North

Line of Hill St

End gutter inside 1' 10½"

outside flange 2' 7"

to grating Depth " 2' 7½"

inside 2' 3½"

gutter Casting 8"

Curb casting 8½"

short diam 3' 9½" outside

in Raidus short 1' 3¼"

long 2'

41 26 24 / 41 50 / 43

41 26 24 / 41 50

.580 / 48 / 100 / 198 / 40

.0483 / 4 / 0.1932

181 10

46 10

.19 / 25 / 38 / 9 / 37 / 37 / 80 / 93 / 21 / 120 / 220

223 / 41 50 / 181 50

83.0 on West and South

82.0 on East and North

Grades on

99.86 / 99.83 / 299.79 / 599.58

9' 3

80.0

83.0

82.0

S 26th St .83.0

1.5

83.0

82.00

49.965 / 99.930

49.965 / 199.860

49.965 / 299.790

26th

.94.0

99.58 / 49.96

48 / 119 / 108 / 115 / 108 / 78 / 72 / 60

.0483 / 2898

99.93 / 199.86 / 299.79 / 599.58

92.0 on West of Grant

91.0 on East of "

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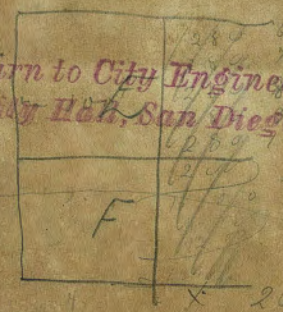

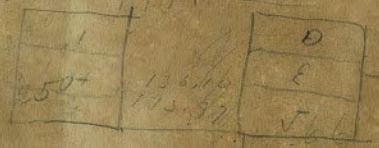

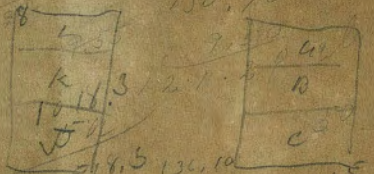

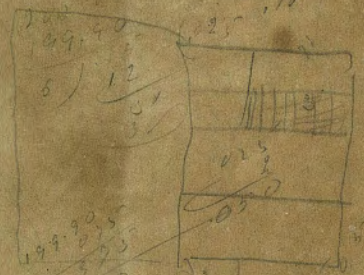

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38" from 7