

1175

WEST

FIELD BOOK

NO. 385F

Grape Granado S.E. 23 2.91-

MICROFILMED

DEC 21 1964

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THE FREDERICK POST CO.
ENGINEERING and DRAFTING SUPPLIES
IRVING PARK STATION
CHICAGO, ILL.

12/24/66 Alloy Cross Section 16' wide
 BIK 3 Blair's Highland Add

JWB 7.02 323.98 314.96 Redwood Arched

JK Redwood 200
 W/ on paving 4.97 319.01
 " " 4.96 319.02
 E " " 4.90 319.08

0+18
 E & chimney diameter of valley 4.1 319.9
 C 4.1 319.6
 W/ 4.5 319.5

0+22
 E diameter of diam of valley

0+44
 -4 & garage floor P 4.6 319.34
 W/ 4.6 319.4
 C 4.5 319.5

E strip Apron com 4.20 319.8
 +15 garage com floor 3.50 320.2

T.P. 371 322.42 5.27 318.71

0+93
 W/- 3' & double garage floor 3.45 318.97

1+00
 -0.5 NL com apron 3.39 319.03
 E 3.4 319.0
 C 3.7 318.7
 W/ 3.9 318.5

Plotted by Tolman 3/9/27

322.42

1+14
 SL com Apron 25' E of EL 3.41 319.01

1+52
 -0.5 NL com Apron 4.45 317.97
 W 4.6 318.0
 C 4.5 317.9
 E 4.0 318.4

1+67
 W-0.5 SL com Apron 4.57 317.85

1+85
 -9 & com apron 4.53 317.89

E 4.8 317.6
 C 4.9 317.5

W 5.0 317.4
 +0.5 top com walk 4.6 317.8

2+00
 W - Acacia tree 10' diam. 10' in valley

2+39
 W/ 5.5 316.9

C 5.4 317.0
 E 5.3 317.1

+15 Garage floor P 4.80 317.6

2+65
 E 5.5 316.9

C 5.5 316.9
 W 5.5 316.9

32242

3+05

- v.5	Garage dirt floor	5.9	316.5
w/		5.6	316.8
C		5.9	316.5
E	" " "	5.7	316.7

3+50

E		5.9	316.5
C		5.8	316.6
w/	fence on in alley	5.9	316.5

3+85

w/		6.4	316.0
C		6.1	316.3
E		6.1	316.3
+ of	Garage dirt floor	6.1	316.3

4+00

E	Acacia tree 7" diam			10 in alley
---	---------------------	--	--	-------------

4+5

E		7.1	315.3	
+ 1.4	Acacia tree 12" diam	7.1	317.3	
C		6.9	315.5	
w/		7.2	315.2	
T.P.	38'	319.07	716	315.26

4+56

E-3	Garage corr floor	3.49	315.58
-----	-------------------	------	--------

5+00

w/		4.6	314.5
----	--	-----	-------

31907

2

C		4.7	314.4
E		4.4	314.7

5+18

E	Garage corr floor	4.80	314.3	on line
---	-------------------	------	-------	---------

5+50

E		4.9	314.2
C		5.4	313.7
w/		5.2	313.8

5+90

w/		5.7	313.4
C		5.7	313.4
E		5.4	313.7

6+00 = N11 Palm St

E	on paving	5.9.1	313.16
C	" "	6.30	312.77
w	" "	6.11	312.96

T.P.	67.5'	319.63	619	312.88
check to near	2925	4.69	314.94	314.94

Note: about 1/4 mile off for lower Mt.

Alley Cross Section 20' wide
 BIK 201 Univ. Hqs

12/26/6
 Moore
 Millington
 Osborn

Area. To Ham.
 Unit. To Lincoln

312.52

3

SEBP	398	310.38 ✓	306.40	Univ. Hqs
				2400
				W
E	out paving	4.59	305.79	
C	"	5.02	305.36	
W	"	5.05	305.33	
	2450			2407
W	Sedge top com. retaining wall	5.76	306.64	W-3 Garage dirt floor
				2422
W		4.0	306.4	E-5 " " "
C		4.2	306.2	
E		4.3	306.1	2439
T.P.	579	312.52 ✓	306.73 ✓	E
	0487			
-10	Garage dirt floor	5.3	307.2	C
E		5.7	306.8	
C		5.7	306.8	W
W		6.0	306.5	
	1400			2478
W		5.3	307.2	E-4 double garage
C		5.4	307.3	
E		5.0	307.5	T.P. 754
	1450			319.64 ✓
-5	Garage com floor	3.14	309.38	
E		3.8	308.7	2478
C		4.1	308.4	W-11 double garage 20' wide
W		4.2	308.3	

PLOTTED
 1/10/27

					2.8	309.7
					2.6	309.9
					2.4	310.1
					2.8	309.7
					1.8	310.7
					1.5	311.0
					1.4	311.1
					1.5	311.0
					1.5	311.0
					0.30	314.2
					0.42	314.10
					6.62	313.0
					6.8	312.8
					6.5	313.1
					5.9	313.7
					6.7	314.9
					5.6	314.0

15' wide
 com floor level

15' wide
 " " level

dirt floor

319.64

E		5.8	313.8	
W		6.1	313.5	
+11	double garage ² wide	6.3	313.3	level dirt floor
	3+43			
E	garage floor P	5.5	314.1	
	3+58			
-4	beam apron	5.80	313.8	10 wide level
W		5.7	313.9	
C		5.4	314.2	
E	garage dirt floor	5.0	314.6	one line
	3+93			
E	Garage " "	4.4	315.0	0.3 in alley
C		4.3	315.3	
W		4.5	315.1	
	4+40			
W		3.6	316.0	
C		3.4	316.2	
E		2.9	316.7	
+0.5	garage cam floor	2.67	316.97	
	4+70			
E		2.4	317.2	
C		3.6	316.0	
W		2.8	316.8	
	5+05			
W	Garage dirt floor	1.9	317.2	1.0 in alley
C		2.2	317.4	

319.64

E		2.1	317.5	
T.P.	6.39	324.19	1.84	317.89
	5+50			
E		5.5	318.7	
C		5.9	318.3	
W		5.9	318.3	
	5+79			
-1	Garage floor P	5.1	319.1	
W		5.1	319.1	
C		5.3	318.9	
E		4.9	319.3	
	5+93			
E		4.3	319.9	
C		4.5	319.7	
W		4.8	319.4	
+1	garage floor dirt	4.8	319.4	
	5+99 = 5.1	Leucolal	Pro	
W	Top return (cam)	3.86	320.33	
W		4.2	320.0	
C		4.5	319.7	
E		3.9	320.3	
E	" " "	3.24	320.95	
T.P.	2.98	324.65	2.52	321.67
T.P.	5.26	316.77	13.12	311.51
check BM		10.37	306.40	306.40
	Note check up alley for sewer M.H.			

Alley Cross Section 20' wide
 BIK 17 Fairmont Add

Moore
 1847 High.
 85 barn
 12/22/6
 UNIV. FIVE
 Euclid

358.20

Change to 4000
 N. of Univ Ave 5

N.W.B.P.	6.17	346.851	340.68	C	6.3	351.9		
T.P.	11.51	358.20	346.69	W	6.3	51.9		
Col. B.M.P. NW	11.24	6.97	351.23	+1	double garage cement floor	6.3	51.9	15' level
					2+11			
E	cut paving	5.80	352.4	W	6.2	52.0		
C		5.71	52.21	C	6.3	51.9		
W		5.79	52.47	E	6.3	51.9		
	0+12			+1.5	garage floor cem.	6.78	51.42	
W		4.3	53.9		2+46			
+1	peppercorn 14" diam	4.4	53.8	-15	" " "	6.56	51.64	
C		5.1	53.1	E	6.0	52.2		
E		4.5	53.7	C	5.7	52.5		
	0+50			W	5.5	52.7		
E		4.5	53.7	+2	" " dirt	5.5	52.7	
C		4.8	53.4		5+76			
W	fence w/olley o.d.	5.7	52.5	W-9	garage " "	5.4	53.0	
	1+09				2+94			
-3.5	Garage dirt floor	6.8	51.4	W	5.2	53.0		
W		6.7	51.5	C	5.3	52.9		
C		5.8	52.4	E	5.8	52.6		
E		5.8	52.4	+4	garage dirt floor	6.0	52.2	
	1+14				3+11			
E	-3' E apron	5.90	52.3	E	garage " "	5.3	52.9	on line
E	-4.5' garage cement floor	5.57	52.63	C	5.2	53.0		
	1+60			W	5.1	53.1		
E		6.5	51.7	+8	" " "	4.9	53.3	

Plotted
 11/1/27

35820

	3+41			
-8	garage dirt floor	5.50	352.7	
W		5.5	52.7	
C		5.2	53.0	
E		5.6	52.6	
T.P.	102	354.18	504	353.16 ✓
	4+00			
E		2.5	51.7	
C		2.8	51.4	
W		2.8	51.4	
	4+40			
W		4.5	49.7	
C		4.0	50.2	
E		4.5	49.7	
	4+73			
E		5.3	48.9	
C		5.2	49.0	
W		5.1	49.1	
+25	Garage dirt floor	5.1	49.1	
	5+00			
W		5.5	48.7	
C		5.2	48.8	
E		5.7	48.5	
	5+39			
E		6.1	48.1	
C		5.8	48.4	

35418

6

W	garage dirt floor	5.5	348.7	on 7.20
	5+70			
W		5.5	48.7	
C		5.6	48.6	
E		6.2	48.0	
	5+99 = ST Anna or Polk			
E	no return	6.3	347.9	
C		6.1	348.1	
W	on inside edge of 5/4	5.3	348.9	no return
T.P.	5.06	357.68	15.6	352.62
T.P.	216	347.58	1026	347.42
check O.H.		6.93	340.65	340.68
	check sewer plot for 17.11.			

FLLEY Cross Section
 BIR 112 UNIV HPTS

E to W 10' wide
 N to S 20' wide

Moore
 1904 High
 25' born
 1 1/2 x 2 1/2
 El approx
 2610

Area to 111
 El approx to 111

373.21

7

SFBP 10.11 373.21 ✓ 36310

E & W alley = 10' wide

0+00-7'

S inside edge s/w 6.78 366.43

N " " 6.62 66.59

0+00

N 6.3 66.9

C 6.8 66.4

J 6.7 66.5

0+25

S 5.6 67.6

C 5.6 67.6

N 6.0 67.2

0+50

N 5.0 68.2

C 4.9 68.3

S 5.1 68.1

0+67

N - 4.5 w/c com apron 4.75 68.46

0+80

- 9.5 Garage com floor 4.9 68.3

S 4.7 68.5

C 4.6 68.6

N 4.5 68.7

+4.5 EL com apron 4.75 68.46

N 4.5 368.1

C 4.5 68.7

J 4.7 68.5

1440 = w/c n/s alley

S 4.3 68.9

C 4.5 68.7

N 4.6 68.6

1456

S - 7 Garage apron com 4.4 68.8

1460 = EL n/s alley

N 4.4 68.8

C 4.5 68.7

J 4.6 68.6

1491

- 7 4.4 68.8

S 4.0 69.2

C 4.0 69.2

N 3.7 69.5

w/c n/s

N 4.1 69.1

C 4.4 68.8

J 4.5 68.7

2+43

- 7 Garage com floor 4.5 68.96

S 4.2 69.0

373.21

C	4.0	369.2
W	3.8	69.4
2+75		
W	1.9	71.3
C	2.0	71.2
S	2.2	71.0
3+00 = w/l ill. st. not graded		
S	2.7	70.5
C	3.0	70.2
W	2.9	70.3

N & S alley 20' wide

N line of E & W alley = 0+00

E	4.4	368.8 ✓
C	4.5	68.7 ✓
W	4.6	68.6 ✓

0+65

W	4.3	68.9
C	3.7	69.5
E	3.3	69.9

0+85

E	1.4	71.8
C	2.9	70.3
W	3.6	69.6

T.P. 8.21 378.24 ✓ 3.18 370.03 ✓

1+00

W	8.6	69.6
---	-----	------

378.24

C	8.6	369.6
E	8.2	70.0

1+40

E	7.9	70.3
C	7.9	70.3
W	8.0	70.2

1+60

W	7.0	71.2
C	7.0	71.2
E	7.2	71.0

1+95

E	6.3	71.9
C	6.8	71.4
W Garage concrete floor	6.6	71.6 on line

2+15

W	6.5	71.7
C	6.8	71.4
E	6.4	71.8

2+56

E	5.2	73.0
C on M.H. Rim	5.70	72.5
W	5.4	72.8

2+83

W Garage dirt floor	5.5	72.7 on line
C	5.7	72.5
E	4.7	73.5

378.4

3401

- W Garage dirt floor	3.7	374.5
E	4.4	73.8
C	5.3	72.9
W	5.0	73.2

3456

W	4.2	74.0
C	4.1	74.1
E	3.5	74.7

3480

E	2.0	76.2
C	3.0	75.2
W	3.0	75.2

4400

W	3.4	74.8
C	2.8	75.4
E	2.5	75.7

T.P. 6.23	381.74	2.73	375.51
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4450 - SL Meade Ave

E top cam returned	4.58	377.16
E gut	5.3	76.4
C	5.6	76.1
W gut	5.3	76.4
W " " "	4.87	76.87

check BM Meade Ohio	8.33	373.41	373.52
---------------------	------	--------	--------

—
E
C
W

W
C
E

i
C
W

V
C
E
T

E
C
W
W
d

7

Cross Section Herbert St.
194' N of N.L. Cypress

60' wide
10' Cas.
10' Qts

297+1

12.2.11
S.F. 200
91' 51"
P. 11/19

BM	692	297+1	290+9
		N.L. Cypress	
F		67	290.7
Cb	Top + Ground	68	290.54
1/4		70	292.2
1/2		77	289.7
3/4		78	290.0
Gutter		8.0	289.4
Cb	Top	78.9	289.52
H		76	289.8
	8' N		
H		71	290.3
Cb		68	290.6
1/4		62	291.2
1/2		72	290.2
3/4		58	291.6
Cb		57	291.7
F		55	291.9
	8' N		
F		46	292.8
Cb		50	292.4
1/4		56	291.8
1/2		65	290.9
3/4		67	290.7
1/4		60	291.4
Cb		68	290.6

S.F. 200
Spruce + Herbs

H

70

290A

50' N

H

76

290.3

Cb

60

291A

1/4

51

292.0

1/2

51

292.3

3/4

43

293.1

Cb

46

293.2

F

38

293.6

435

Conc. Walk

299

294.2

100' N

F

36

293.8

Cb

38

293.6

1/4

40

293.4

1/2

47

292.7

3/4

49

292.5

Cb

53

292.1

H

54

292.0

152' N - S.A. Hill

H

57

291.7

Cb

50

292.4

1/4

48

292.6

1/2

45

292.9

3/4

43

293.1

Cb

43

293.1

F

41

293.3

133' N on F.H.
Conc. Walk
3.41

297.91

170. H = N L R / 100

E	47	292.7
Cb	48	292.6
1/4	50	292.4
1/2	52	292.2
1/4	50	292.4
Cb	54	292.0
H	60	291.4

176. H = H Cb

H	59	291.5
Cb	57	291.9
1/4	53	292.1
1/2	54	292.0
1/4	51	292.3
Cb	49	292.5
F	48	292.6
on Top H End Cb	429	293.12

183. H

E	49	292.5
Cb	53	292.1
1/4	56	291.8
1/2	60	291.4
1/4	64	292.0
Cb	64	291.0
H	69	290.7

194. H

297.91

12

H	68	286.6
Cb	86	288.8
1/4	70	290.4
1/2	67	290.9
1/4	66	290.8
Cb	60	291.4
F	50	292.4

Plotted
in 10/20/06
B/B

Cross Section Alley N of Grass
E of Herbert

297.41

24' Wide From N Curb
Curb is 6" of N.E. of Alley

12-27-36
55-509
1001 55
16-11-36

EL Herbert

N Top Curb - 3rd End Concrete 429 293.12

Gutter 48 292.6

S 17 292.7

S 10 293.4

40' E

S 37 294.0

S 38 293.6

45' E 0056
Garage Concrete
3.03

N Gutter 41 293.0

Top Curb 398 293.43

80' E

N Top Curb 386 293.55

Gutter 93 293.1

S 40 293.4

S 37 294.0

100' E

S 39 293.7

S 43 293.1

Gutter 46 292.8

N Top Curb - 1st End Concrete 422 293.19

130' E

N on Old Garage Foundation 55 291.9

S 58 291.6

S 98 287.6

Plotted
12/28/26

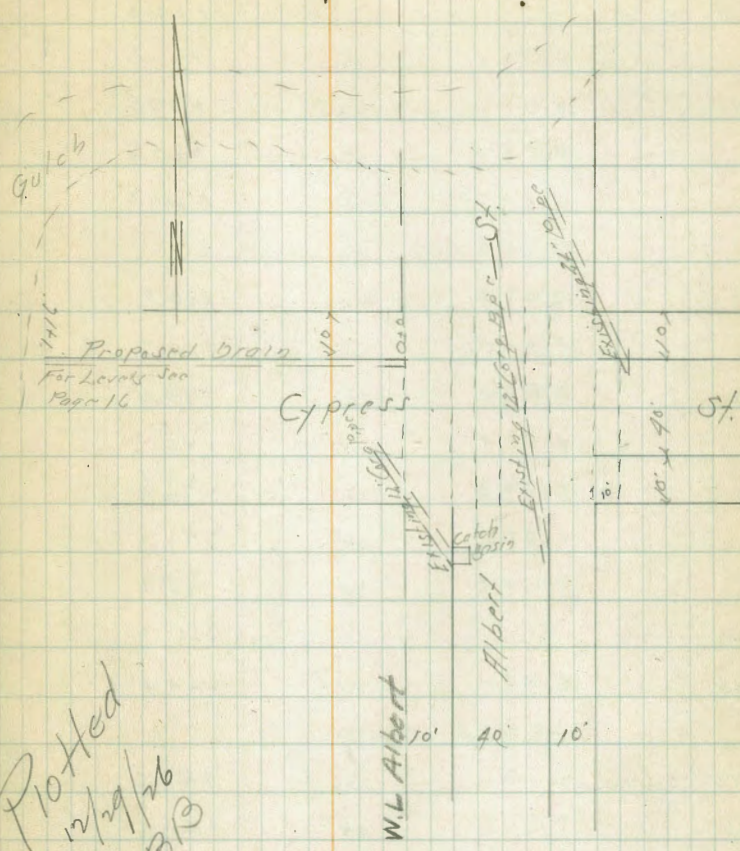
Gross Section Intersection
Cypress + Albert St.

60' wide
10' Cbs
10' Q15

12.27.26
S. S. 202
G. S. S.
H. S. S.

BN	0.42	290.91	290.49	SEBP Cypress + Albert
		10' E of E.L. Albert		
-10		14.2	276.0	
N		10.9	280.0	
Cb Top - N End Chalk		10.90	280.0	
Gutter		11.7	279.2	
1/4		10.5	280.4	
2		10.4	280.5	
1/4		10.4	280.5	
Gutter		10.5	280.4	
Cb Top		9.88	281.03	
S		9.6	281.3	
		E.L. Albert		
S		9.6	281.3	
Cb		10.2	280.6	
1/4		10.4	280.5	
2		10.3	280.6	
1/4		10.4	280.5	
Cb		10.5	280.4	
TP	1.29	281.81	10.39	280.52
N			7.5	274.3
2.25			17.9	263.9
		E.C.B.		
-40			25.6	256.2
N			12.5	269.3
Cb			7.2	274.6

Plotted
12/29/26
J.B.P.



Level notes for Cypress from W.L. Albert St. 75' West. See Page 21

Cypress + Albert
281.81

1/4	1.8	280.0
+2	1.0	280.8
2	1.3	280.5
1/4	1.3	280.5
cb	1.3	280.5
S	1.0	280.8
E 1/4		
S	0.9	280.9
cb	1.1	280.7
1/4	1.3	280.5
2	1.7	280.1
1/4	5.0	276.8
cb	10.6	271.2
H	16.0	265.8
+40	30.6	251.2
+65	37.7	244.4
S Albert		
-75 Bot Channel	41.6	240.2
-40	39.0	242.8
-27	28.7	253.4
H	18.7	263.1
cb	14.5	267.3
1/4	8.6	273.2
2	1.4	277.4
77	1.9	279.9
1/4	1.5	280.3
cb	1.3	280.5

281.81

15

S	1.0	280.8
1/4		
S	1.2	280.6
cb	2.0	279.8
2	2.0	279.8
1/4	2.5	278.8
2	6.8	275.0
77	11.5	270.3
cb	17.6	264.2
H	22.0	259.8
71.5	28.2	253.6
74.0	34.0	247.8
76.0	39.2	242.6
78.0	41.0	240.8
Plotted		
H CB		
-80	47.5	239.3
-10	36.4	245.4
-30	35.2	246.6
H	28.1	253.7
cb	22.0	259.8
1/4	15.6	266.2
2	10.6	271.2
1/4	6.5	275.3
cb	2.2	279.6
S	1.6	280.2

H. L. Albert

281.81

5	5.5	278.3
06	6.8	275.0
14	10.6	271.2
2	14.3	267.5
14	18.1	263.4
05	25.0	256.8
N	28.2	253.6
117	34.0	247.8
130	36.4	245.4
180	43.0	238.8

For continuation see pg. 21

Levels Proposed Drain
on N. Curb of Cypress St. of N.L. Albert St.

216

See Sketch Page 14

	281.81 Bl. Ford	
TP	2.07	271.35 12.13 262.38
TP	0.45	259.02 12.88 257.57
0 + 0 = N.Cb. Cypress St. of Albert	2.0	257.0
+ 40' W		12.7 246.3
TP	0.25	246.55 12.72 246.30
+ 10' W		10.9 235.65
+ 16' W = Bottom of Gully Center of Wash		13.9 232.65

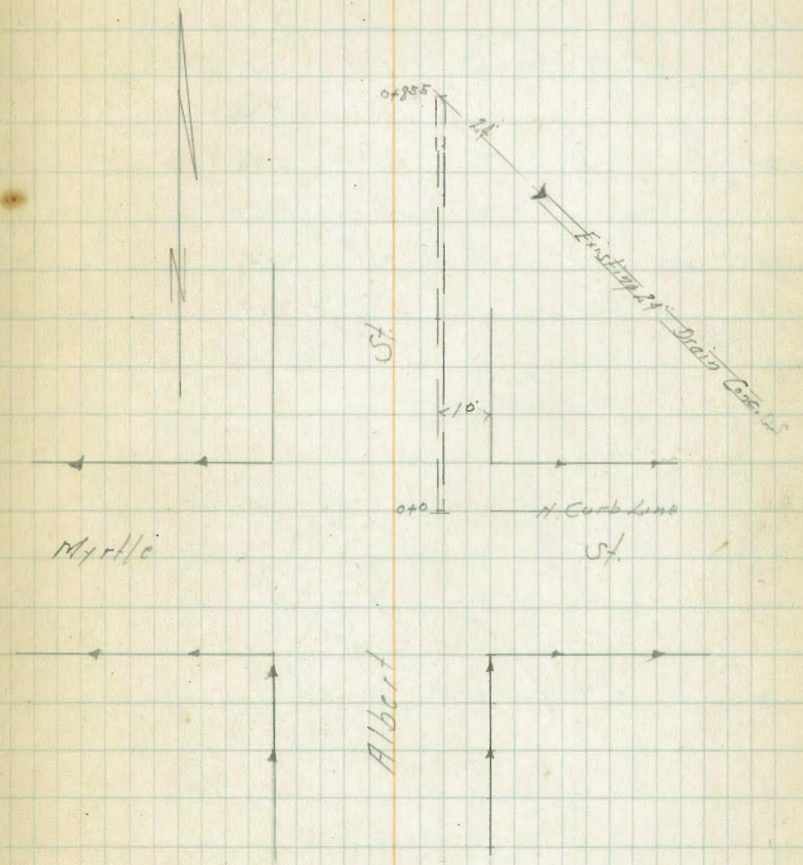
Levels For Proposed Drain
On E. Side of Albert N of H.C. of Myrtle

12-27-26
S. J. ...
B. J. ...
Harbor

BM	365	283.49		280.04	SE. 8 th Myrtle & Richmond
0+0			28	280.9	
+13 H			28	281.4	
+28 H			126	271.1	
T.P.	0.19	271.26	12.66	271.07	
+38 H			49	266.4	
+50 H			6.9	264.4	
T.P.	0.28		11.86	259.40	
+75 H		259.68	54	254.3	
+85.5	Bottom of Gulch		8.7	251.0	

1/4" grad. Existing at Conc. Pipe 9.25
Flow Line

Plotted
12/29/26
B. J.

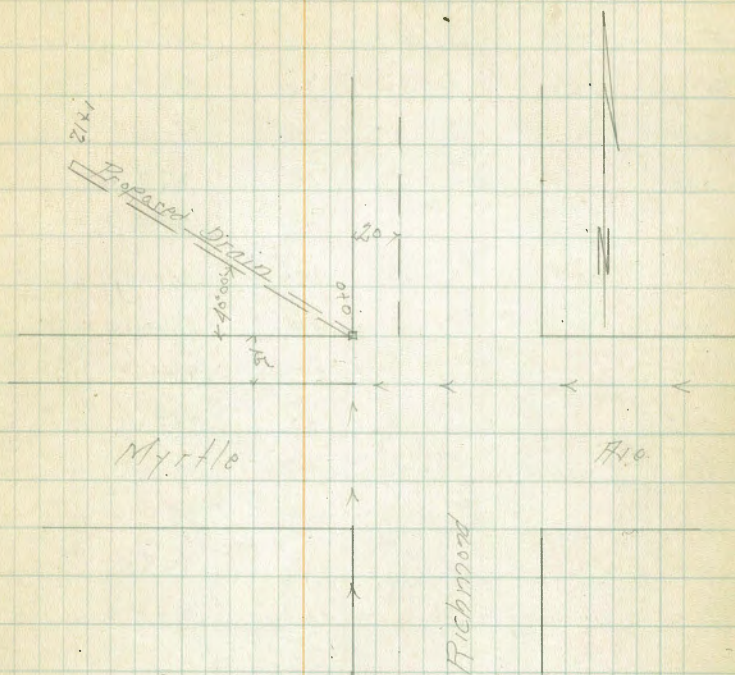


Levels For Proposed Drain
At Myrtle & Richmond

BM	0.33	280.37	280.01	SEBP Myrtle & Richmond
010	- N.W. Line of Myrtle & Richmond 21		278.3	
+20		21	278.3	
TP	0.22	267.6	12.99	267.38
+50		5.3	264.3	
+75		13.5	254.1	
TP	0.17	255.56	12.71	254.82
140		7.8	247.8	
+12		11.9	243.7	

Plotted
12/29/26
J.B.B.

18
12-27-26



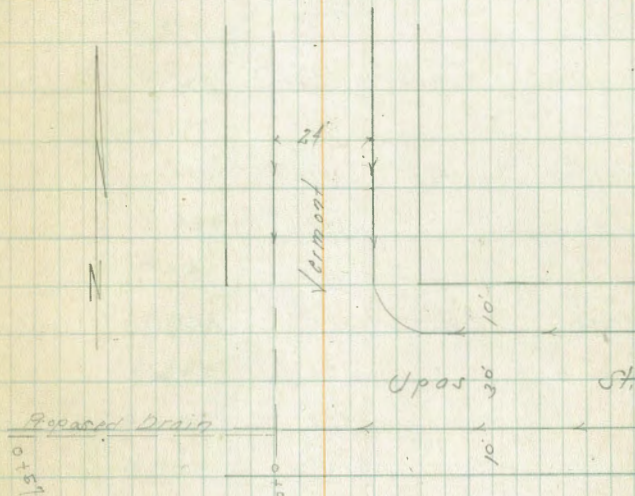
Levels For Proposed Drain

On S.Cb. Line of Upas Produced Heat
From N'Cb Line of Vermont

B.M.	777	287.81		280.04	SE&P Myrtle Richmond
TP	1.53	282.03	7.81	280.50	NETopt'd Upas x
B.M.			1.60	280.43	
0+0			45	277.26	
45			83	273.7	
TP	0.87	219.94	12.96	219.07	
+15			5.9	264.0	
+25			9.5	260.4	
+32			10.0	259.9	
TP	1.80	260.25	11.99	258.15	
+42			7.7	252.6	
+50			11.3	249.0	
+57 - Bottom of Gulch			12.3	248.0	

Plotted
12/29/26
BB

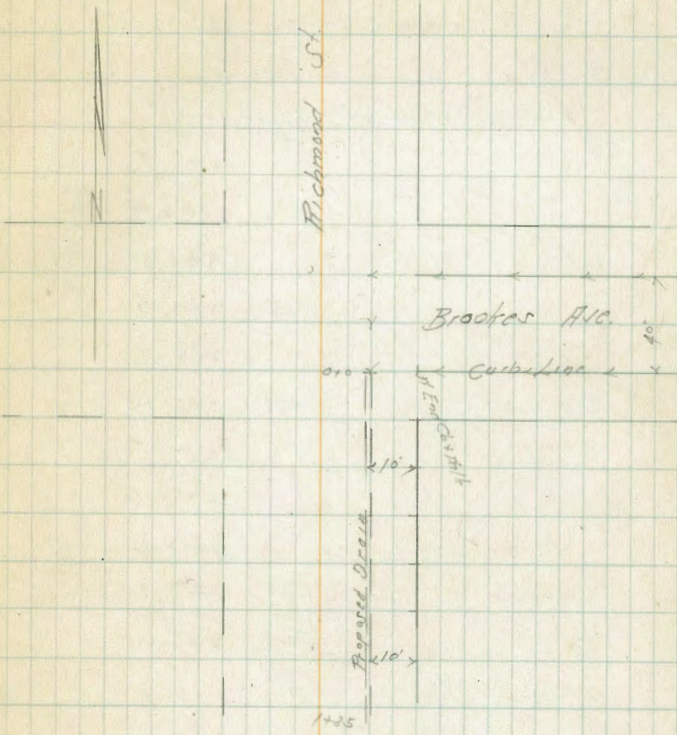
19
12-27-26



Levels For Proposed Drain
Brookers + Richmond

12-27-26
5:35 PM
B. B. B.

BM	235	291.48		289.13	SE BP Brookers + Herbert
	End Carb SE Car Brookers + Richmond 13.40			278.09	
+0			11.2	280.3	
+5			10.6	280.9	
+10			12.0	279.5	
TP	0.67	279.16	12.99	278.49	
+28			7.6	271.6	
TP	0.60	267.16	16.60	266.56	
+12			2.4	264.8	
+12			12.3	254.9	
TP	0.59	255.57	12.18	254.28	
+80			7.0	248.6	
+10			12.2	243.4	
+20			17.7	237.9	
+35 - Bottom Gutch			19.7	235.9	



Plotted
12/29/26
B.B.

X. Section Cypress St.
From N.W. Albert St. 75' West

Walter
1-7-27

25991

21

St. BP.
Cypress St. Albert 0.31 290.80 290.49

T.P. 0.79 278.55 13.04 277.76

T.P. 2.06 270.56 10.05 268.50

N.W. Albert
= 0700 for Section on this line See page 15

15' West N.W. Albert St.

S-10 +0.5 271.1

S. 1.1 269.5

cb. 4.3 266.4

V4 7.1 263.5

C 10.4 260.3

V4 12.7 258.0

T.P. 17.2 259.91 12.37 258.19

cb. 6.4 253.5

N 10.3 249.6

+3 11.9 248.0

+6 12.8 247.1

+13 14.9 245.0

+50 19.7 240.2

28' West

N-50 21.8 238.1

-11 16.7 243.2

-7 16.1 243.8

N 13.9 246.0

+2 13.9 246.0

+5 12.4 247.5

cb. 10.7 249.2

1/4 5.5 254.4

2 3.4 256.5

1/4 2.4 257.5

cb. 1.0 258.9

S +1.4 261.3

+13 +3.8 263.7

+25 +6.8 266.7

37' West

-2.5 +7.1 267.0

-1.5 +2.0 261.9

S 2.9 257.0

cb. 5.0 254.9

1/4 6.7 253.2

2 6.2 253.7

1/4 9.7 250.2

cb. 13.1 246.8

N 15.6 244.3

+50 22.9 237.0

50' West

-50 23.7 236.2

N 17.9 242.0

cb. 16.3 243.6

N 14.0 245.9

2 12.0 247.9

1/4 9.9 250.0

cb. 6.0 253.9

S 3.3 256.6

259.91

+ 15	+ 1.5	261.4
+ 25	+ 5.3	265.2
65' West		
- 25	+ 5.7	265.6
- 15	+ 0.7	260.6
S	4.6	255.3
d	7.7	252.2
W	12.1	247.8
E	14.9	245.0
W	16.5	243.4
cb	18.7	241.2
N	21.9	238.0
+ 50	24.9	235.0

75' West

- 50	25.4	234.5
N	22.0	237.9
cb	20.1	239.8
W	18.3	241.6
d	16.1	243.8
W	13.8	246.1
cb	10.0	249.9
S	6.1	253.8
+ 15	1.6	258.3
+ 25	+ 1.5	261.4

TP	12.62	272.49	0.04	259.87
----	-------	--------	------	--------

TP	13.35	284.72 ⁶⁷	1.17	271.32
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284.72

22

TP 907

292.79

1.00

283.72⁶⁷

2.25

290.54

290.49 = B.M. S.E. BP

0.05 Herbert + Gypsum

Walker
2-27

7. Section of South 15' of UPPS ST.
From a point 53' E. E.L. Richmond
to N.L. VERMONT ST.

NW BP			
UPPS + HARDERT	0.05	290.00	289.95
		53' E. E.L. Richmond = 0 + 00	
N		5.6	284.4
E		5.6	284.4
S		6.1	283.9
+ 5 = top of Existing cb		5.47	284.5
			10' E.S.
			E.L. Richmond
			10' E.S.
S		6.3	283.7
E		6.4	283.6
N		6.1	283.9
			Ecb.
N		6.2	283.8
E		6.5	283.5
S		6.3	283.7
			E 1/4
S		6.4	283.6
E		6.6	283.4
N		6.3	283.7
			E Rich.
N		6.6	283.4
E		6.8	283.2
S		6.7	283.3
			W 1/4
S		6.8	283.2
E		6.9	283.1
N		6.8	283.2

290.00

23

N cb

N		7.1	282.9
E		6.9	283.1
S		6.9	283.1
			N.L. Richmond = 0 + 00
S		6.9	283.1
E		7.1	282.9
N		7.2	282.8
			50' West
N		7.8	282.2
E		7.4	282.6
S		7.3	282.7
			100' W
S		7.7	282.3
E		7.8	282.2
N		8.2	281.8
			150' W
N		9.1	280.9
E		8.3	281.7
S		8.3	281.7
			200' W
S		8.7	281.3
E		8.9	281.1
		9.3	280.7
N		9.5	280.5
			250' W
N		9.8	280.2

290.00

+5		9.5	280.2
E		9.5	280.5
S		9.3	280.7
	300' W		
S		9.8	280.2
E		9.9	280.1
N		10.2	279.8
	350' W		
N		10.9	279.1
E		10.3	279.7
S		10.1	279.9
	400' W		
S		10.8	279.2
E		10.9	279.1
N		11.4	278.6
	450' W		
N		11.9	278.1
+4		11.8	278.2
E		11.3	278.7
S		11.1	278.9
T.P.	3.72 282.32	11.60	278.40
	500' W		282.3
S		4.0	278.3
E		4.3	278.0
+2		4.6	277.7
N		4.6	277.7

282.32

24

	550' W		282.3
N		5.0	277.3
E		4.7	277.6
S		4.4	277.9
	610' W = 15' E. E. cb. Line Vermont st.		
S		5.1	277.2
E		5.0	277.3
N		5.3	277.0
	Note, Intersection Upas + Vermont st. sectioned full width of upas ^{10' cb. s.} 7.5' _{2.5'}		
	From E. cb. line Vermont West (Roadway Vermont st. side 6' 4.5')		
N on Paring		4.93	277.4
cb.		4.9	277.4
4		4.6	277.7
Upas		4.7	277.6
4		5.0	277.3
cb		5.4	276.9
S		5.1	277.2
	E 4		
S		5.4	276.9
cb		5.0	277.3
4		5.0	277.3
E		4.9	277.4
4		4.9	277.4
cb		5.0	277.3
N		4.90	277.4

VERMONT

		282.3
N on Paving	4.96	277.3
cb	5.0	277.3
$\frac{1}{4}$	5.0	277.3
$\frac{1}{2}$	5.0	277.3
cb.	5.0	277.3
S	5.0	277.3
	$N \frac{1}{4}$	
S	5.2	277.1
cb.	5.0	277.3
$\frac{1}{4}$	5.2	277.1
$\frac{1}{2}$	5.1	277.2
$\frac{1}{4}$	5.1	277.2
cb.	5.1	277.2
N on Paving	5.13	277.2
	$N \frac{1}{4} + 4$	
N	5.3	277.0
cb.	5.2	277.1
$\frac{1}{4}$	5.2	277.1
+2	5.2	277.1
+3	7.8	274.5
$\frac{1}{2}$	9.0	273.3
$\frac{1}{4}$	9.0	273.3
cb.	6.3	276.0
+1	5.0	272.3
S	5.4	276.9

		282.3
N cb.		
-5	5.3	277.0
S	8.9	273.4
cb.	9.0	273.3
$\frac{1}{4}$	10.2	272.1
+2	10.2	272.1
+3	11.7	270.6
$\frac{1}{2}$	10.0	272.3
+6	8.5	273.8
$\frac{1}{4}$	4.8	277.5
cb.	5.3	277.0
N	5.39	276.9
N top cb.	4.92	277.4
	$N cb + 6'$	
N	4.9	277.4
cb.	5.0	277.3
$\frac{1}{4}$	5.3	277.0
+5	5.3	277.0
+6	9.0	273.3
$\frac{1}{2}$	9.4	271.9
+3	16.3	266.0
$\frac{1}{4}$	16.3	266.0
+2	14.3	268.0
cb.	11.5	270.8
+7	13.0	269.3
S	10.3	272.0
+5	8.8	273.5

+10		11.8	<u>287.3</u>
	10' W Wcb Vermont		
-20		15.8	266.5
-15		15.0	267.3
-10		10.4	271.9
5		10.6	271.7
+2		13.8	268.5
cb.		14.4	267.9
$\frac{1}{4}$		12.5	265.8
$\frac{1}{2}$		8.4	273.9
+1		6.4	275.9
+5		11.2	271.1
$\frac{1}{4}$		10.3	272.0
+5		5.9	276.4
cb.		5.6	276.7
N		5.4	276.9
+5		5.6	276.7

25' W Wcb

T.P.	0.73	270.90	12.19	<u>270.13</u>
				270.9
-20			5.3	265.6
N			4.6	266.3
cb.			5.3	265.6
+6			6.1	264.8
$\frac{1}{4}$			8.1	262.8
$\frac{1}{2}$			5.9	265.0
$\frac{1}{4}$			5.9	265.0

cb.		6.6	<u>270.9</u>
			264.5
+3		15.5	255.4
+6		15.0	255.9
5		12.6	268.3
+10		8.7	262.2
+12		10.5	260.4
+20		13.0	257.9
+25		12.6	258.3

40' W Wcb

T.P.	0.80	259.18	12.52	<u>258.38</u>
				259.2
-30			7.4	251.8
-15			8.6	250.6
-2			5.0	254.2
5			8.3	250.9
+3			7.1	250.1
+5			7.3	251.9
cb.			5.8	253.4
$\frac{1}{4}$			5.3	253.9
$\frac{1}{2}$			5.0	254.2
$\frac{1}{4}$			4.0	255.2
cb.			2.9	256.3
N			1.4	257.8
+30			+1.0	260.2

55' W Wcb

-30			5.0	254.2
N			7.5	251.7

cb	8.4	259.2 250.8
$\frac{1}{4}$	8.5	250.7
$\frac{1}{2}$	8.5	250.7
+3	9.9	249.3
$\frac{1}{4}$	10.5	248.7
cb	11.0	248.2
+2	11.1	248.1
+5	14.6	244.6
S	15.4	243.8
+15	17.6	241.6
+25	19.1	240.1
+30	14.4	244.8

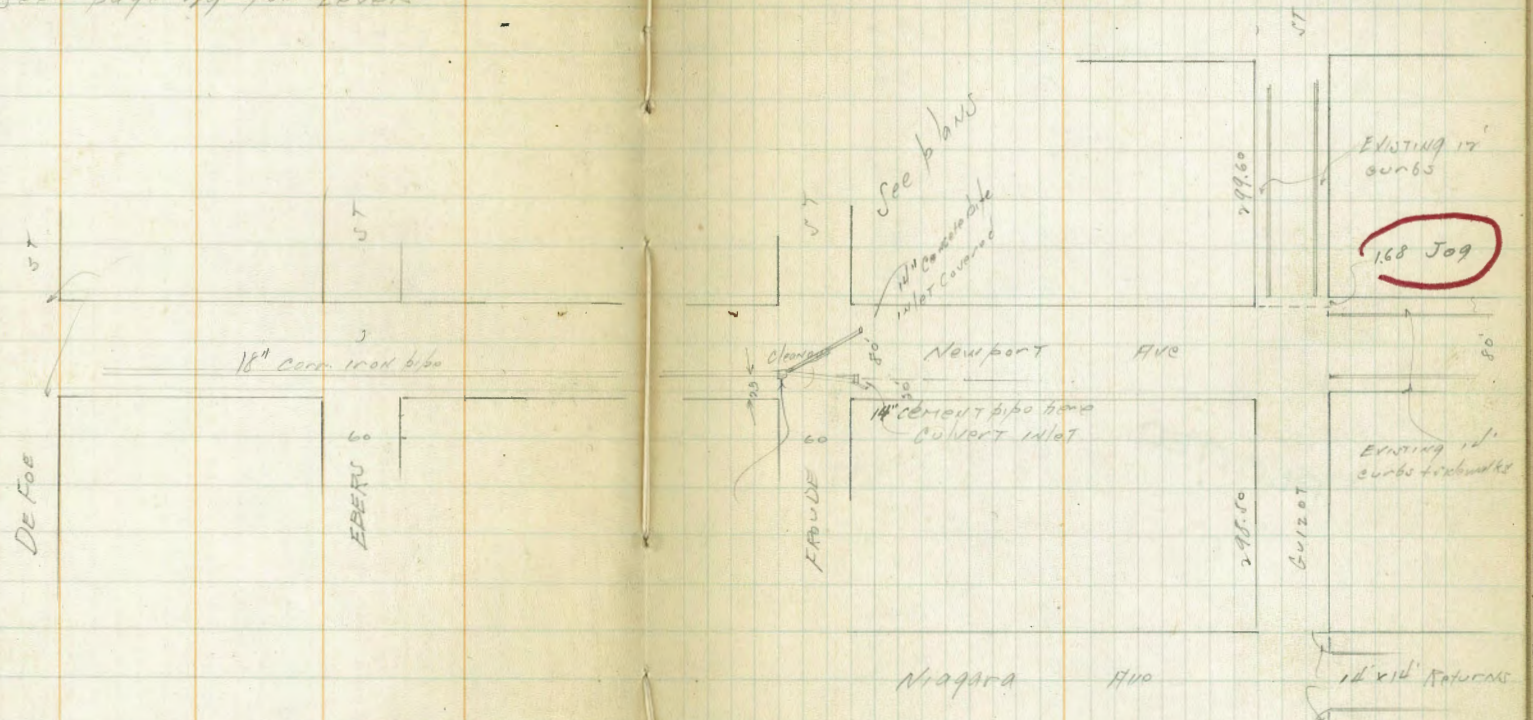
60' N of cb

-30	18.2	241.0
-25	20.0	239.2
-20	14.4	244.8
S	11.5	247.7
cb	10.2	249.0
$\frac{1}{4}$	8.8	250.4
$\frac{1}{2}$	8.4	250.8
$\frac{1}{4}$	7.7	251.5
cb.	7.7	251.5
N	7.3	251.9
+15	5.2	254.0
+25	3.5	255.7
T.P.	11.20	270.30
	0.8	259.10

T.P. 11.20	281.17	0.33	269.97
T.P. 7.67	287.96	-0.88	280.29
T.P. 00 B.M.		0.07	289.89
			289.95 = B.M. UPAS + Herbert 0.06

Location of curbs etc. at intersections
of Newport + Guizot

See page 29 for levels



Moore
1/17/47

Cross Section of QUIZOT - 60' wide
Newport to Niagara

177.97

29

NEBP 13.25 177.97 ✓ 162.5N Newport Quizot

SL Newport = 00

E	11.7	166.1
+v	12.9	1649
cb	14.1	165.4
1/4	15.4	165.4
c	15.0	165.7
1/4	12.6	165.8
cb	14.5	163.3
w	15.6	165.2

0+08

w	18.3	162.5
cb	14.9	162.9
1/4	15.7	162.1
c	16.0	161.8
1/4	13.8	164.0
cb	13.8	164.0
E	13.5	164.3

PLOTTED
6/14/47
AK

0+13

E	13.3	164.5
cb	13.9	163.9
1/4	12.2	163.6
c	16.0	161.8
1/4	17.0	160.8
cb	18.1	159.7
w	18.2	159.9

0+18

w	15.2	162.4
cb	15.5	162.3
+1	17.3	160.5
+6	17.0	160.8
1/4	16.3	161.8
c	14.2	163.4
1/4	14.1	163.7
cb	13.5	164.3
E	13.2	164.6

0+45

E	12.3	165.5
cb	13.2	164.6
1/4	13.3	164.5
c	13.3	164.5
+6	13.5	164.3
1/4	15.5	162.3
+7	16.1	161.7
cb	13.3	164.5
w	12.4	165.4

PLOTTED
6/14/47
AK

0+80

w	9.4	165.4
+7	13.5	167.3
+8	15.8	162.0
cb	15.8	162.0
1/4	11.0	166.8

177.77

c	12.0	1654	
1/4	12.1	1657	
cb	11.8	1660	
E	9.5	1683	✓
E	9.4	1684	
+5	11.0	1668	
cb	11.6	1662	
1/4	11.6	1662	
c	11.7	1661	
1/4	10.7	1671	
+2	14.6 ⁰	1632	
+5	14.6	1632	
+6	12.5	1653	
cb	11.6	1662	
+9	8.0	1698	
w	+1.5	1793	
w	+1.8	1796	✓
+4	7.7	1707	
cb	10.4	1674	
+1	12.0	1658	
1/4	12.9	1649	
+2	10.5	1673	
c	11.6	1662	
1/4	11.5	1663	

PLOTTED

9/11/77

0+95

177.77

Guisot

30

cb	11.5	1663	
+6	11.1	1667	
E	9.1	1687	✓
E	10.1	1677	✓
cb	11.2	1665	
1/4	11.0	1668	
c	10.5	1673	
1/4	10.3	1675	
+1	12.6	1652	
+6	12.1	1657	
+7	9.7	1681	
cb	9.2	1686	
+4	8.3	1695	
+6	+1.8	1796	
w	+1.7	1795	✓
w	+2.1	1795	✓
cb	+2.2	1790	
+2	8.8	1690	
1/4	10.0	1668	
c	10.5	1673	
1/4	10.7	1671	
cb	10.4	1674	
+9	8.3	1695	
E	6.5	1713	✓

1+05

PLOTTED

9/11/77

1+30

177.77

T.P. 8.34 183.95 8.14 175.63 R.M. 1 M.H.

1+49 = 1/2 Sewer in East West alley

E	13.4	170.7	✓
cb	15.4	168.7	
1/4	16.4	167.7	
C	16.3	167.6	
C = M.H. = flowline	13.01	170.64	
C = R.M. of M.H.	8.3	175.6	
1/4	15.3	169.5	
+5	14.9	171.0	
+7	11.8	172.1	
cb	6.9	177.0	
+3	4.0	179.9	
w/	4.0	179.9	✓
	1+67		
w/	3.2	180.7	✓
cb	3.1	180.8	
+3	3.1	180.8	
+6	13.8	170.1	
1/4	14.6	169.3	
C	16.0	167.9	
1/4	15.4	169.5	
cb	15.3	169.5	
+7	15.0	169.9	
E	13.4	170.7	✓

PLOTTED
9/11/27
RMS

183.95

G. 120 T

31

1788

E	13.1	170.8	✓
+5	14.6	169.3	
cb	14.5	169.4	
1/4	15.1	168.9	
C	15.5	168.4	
1/4	15.0	168.9	
+6	17.8	171.1	
cb	7.6	176.3	
+3	2.4	181.5	
w/	2.6	181.3	✓
	1+98		
w/	2.4	181.5	✓
cb	2.8	181.1	
+3	13.2	170.7	
1/4	14.7	169.2	
C	15.1	168.5	
1/4	14.5	169.4	
cb	14.0	171.9	
+2	13.5	170.4	
E	12.0	171.9	✓
T.P.	11.32	186.95	8.32 175.63 ✓
	2+00		
E	3.6	183.3	✓
+10	4.7	184.2	
cb	15.0	171.9	

PLOTTED
9/11/27
RMS

186.95

1/4		16.8	1701	
c		17.2	1697	
+5		18.2	1687	
1/4		17.3	1696	
+5		16.3	1706	
cb		5.4	1811	
w		5.2	1813	✓
	2+08			
w		5.0	1819	✓
+10		4.7	1822	
cb		6.25	1807	
+6		8.3	1782	
1/4		16.9	1700	
+5		16.8	1701	
+7		13.0	1739	
c		13.0	1739	
1/4		10.4	1765	
+6		3.6	1833	
cb		3.3	1836	
E		3.2	1837	✓
	2+14			
E		3.2	1837	✓
cb		3.1	1835	
+5		3.5	1834	
1/4		6.7	1802	
c		7.3	1756	

PLOTTED

6/11/27
HPL

186.95

GUIZOT

32

1/4		8.7	1782	
+6		6.3	1806	
+7		4.6	1823	
cb		4.6	1823	
w		4.7	1822	✓
	2+18			
w		4.5	1824	✓
cb		4.4	1825	
+4		4.6	1828	
+5		8.1	1789	
+8		8.1	1788	
1/4		4.4	1825	
c		5.8	1831	
1/4		3.6	1838	
cb		3.6	1838	
E		3.0	1839	✓
	2+23			
E		2.7	1842	✓
cb		4.1	1828	
1/4		4.8	1821	
c		5.4	1815	
1/4		5.6	1813	
+1		7.9	1790	
+4		7.9	1790	
+5		5.6	1813	
cb		5.0	1819	
w		4.5	1824	✓

PLOTTED

6/11/27
HPL

186.95

2+50

w/			3.2	1837	✓
+2			3.2	1837	
+3			4.8	1821	
cb			4.8	1821	
1/4			6.2	1807	
c			5.0	1819	
1/4			4.6	1823	
cb			4.0	1829	
E			1.5	1854	✓
T.P.	8.22	191.58	3.59	183.36	✓

2+75

E			4.4	1872	✓
+1			5.0	1826	
+5			6.0	1856	
cb			7.5	1841	
1/4			8.4	1832	
c			8.6	1829	
1/4			9.4	1821	
+5			10.4	1812	
cb			8.7	1829	
+9			8.5	1831	
w/			6.8	1858	✓

2+98.5 = 111 Niagara

w/			5.5	1867	✓
+2			5.5	1861	

191.58

G-1205

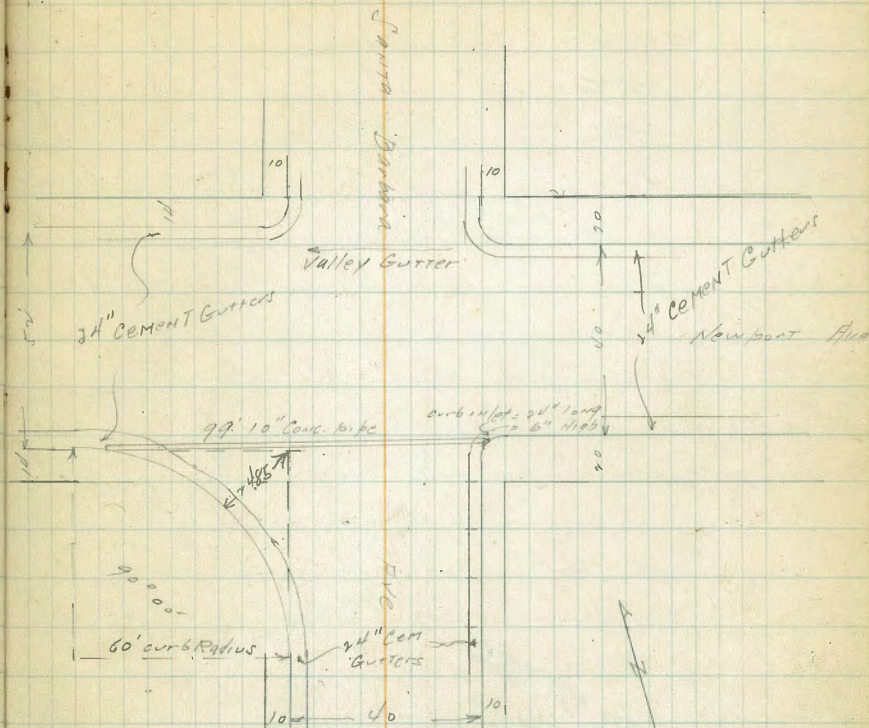
33

+3			7.0	1846	
cb			7.5	1841	
+3			8.5	1831	
1/4			8.3	1833	
c			7.8	1838	
1/4			6.8	1848	
+7			5.1	1845	
+8			4.1	1875	
cb			4.1	1875	
E			3.7	1879	✓
Tot. No cement Return			3.57	188.01	

PLOTTED
9/17/77 HPL

5/17/29
Moore

Location of Curb-gutters &
culvert at Newport &
Santa Barbara I.T.S. Pt. Loma Hgts



Cross Section of Newport Ave - 80' wide
 EBERS to GUIZOT - 20' curbs
 10' 1/2"

5718

35

17.56

57.18

44.62

Newport
 EBERS

ELEBERS=00

N	9.2	48.0	✓
+2	9.3	47.9	
+4	10.7	46.5	
+10	10.7	46.5	
+11	9.1	49.1	
cb	9.4	47.8	
1/4	9.3	47.9	
C	9.4	47.8	
1/4	9.0	48.2	
cb	9.8	47.4	
S	9.0	48.2	✓
S	5.9	55.3	✓
cb	6.1	51.1	
1/4	5.8	51.4	
C	5.9	51.3	
1/4	6.0	51.2	
cb	6.1	51.1	
+10	6.2	51.0	
+14	7.9	49.2	
+17	7.9	49.3	
+18	6.5	50.7	
N	6.5	50.7	✓

PLOTTED
 6/20/21
 KPL

1700

N	2.1	55.1	✓
cb	1.8	55.4	
1/4	2.1	55.1	
C	2.0	55.2	
1/4	1.9	55.3	
cb	1.6	55.6	
S	1.2	56.0	✓
T.P	1303	70.12	009
	1750		57.09
S	10.2	59.9	✓
cb	10.4	59.7	
1/4	10.2	59.9	
C	10.2	59.7	
1/4	10.5	59.6	
cb	10.4	59.7	
N	11.3	58.8	✓
N	7.1	63.0	✓
cb	5.9	64.2	
1/4	5.9	64.2	
C	5.4	64.7	
1/4	5.3	64.8	
cb	5.3	64.8	
S	5.9	64.2	✓

PLOTTED
 6/20/21
 KPL

2100

70.12

2+50

S		2.1	680	✓	
+2		3.9	662		
+8		4.0	661		
+10		7.2	659		
cb		0.0	70.1		
1/4		0.4	697		
c		0.2	699		
1/4		0.8	693		
cb		0.7	698		
+8		2.6	675		
N		2.3	678		
+5		2.3	678		
T.P.	1274	82.65	0.21	69.91	✓
	3400				
-5		10.5	722		
N		10.7	719	✓	
+13		10.8	718		
cb		5.9	737		
1/4		8.5	741		
c		7.9	747		
1/4		8.1	745		
cb		7.5	751		
+4		8.2	749		
+10		13.6	690		
S		12.3	703	✓	
+5		9.3	733		

PLOTTED

4/20/77
HPL

82.65

Newport

36

3+50

-5		3.9	78.7	✓	
S		3.9	78.7	✓	
+2		6.2	764		
+8		6.3	763		
+11		3.4	792		
cb		2.9	797		
1/4		3.0	796		
c		3.0	796		
1/4		3.5	791		
cb		3.9	787		
+10		5.9	767		
N		6.2	764	✓	
+5		6.6	760		
T.P.	1306	95.56	0.15	82.501	✓
	4400				
-5		16.1	795		
N		15.9	797	✓	
+12		14.4	812		
cb		11.7	839		
+6		11.5	841		
+7		13.2	823		
1/4		13.2	823		
+1		11.6	839		
c		11.3	843		
1/4		11.2	844		

PLOTTED

4/20/77
HPL

95.56

cb		11.4	892	
J		12.0	836	/
+5		12.0	832	
	1150			
-5		5.8	898	/
J		5.8	898	/
+10		6.5	891	
+11		7.8	878	
+13		7.8	878	
+15		5.4	902	
cb		6.2	894	
1/4		6.4	892	
C		6.3	893	
1/4		6.7	899	
+2		7.6	890	
+5		6.6	890	
cb		6.6	890	
+5		7.1	895	
+10		9.6	859	
N		9.8	859	/
+5		9.8	858	
	5700			
-5		3.0	906	/
N		2.5	93.1	
cb		1.3	943	
T.P	1316	108.64	008	95.48

PLOTTED
6' 10" HPL

108.64

Newport

37

1/4		14.8	938	
C		14.3	943	
1/4		14.2	944	
cb		14.1	945	
+5		15.3	933	
+15		14.5	941	
S		12.8	958	/
+5		12.8	958	
	5750			
J		6.1	102.5	/
+5		8.2	1004	
+6		9.2	992	
cb		10.7	979	pipe has been
+3	Top of corrugated Culvert	9.8	988	
1/4		10.4	982	bulged up here
C		9.6	990	fract. pressure of
1/4		9.6	990	Water in trench.
cb		9.6	990	Must be lowered
+10		10.1	985	
N		8.5	100.1	/
	6+00 = WL Froude	60' wide 14' curbs	9' 1/4	
N		4.2	1044	/
cb		6.0	1026	
1/4		5.4	1032	
e		5.3	1033	
1/4		5.0	1035	
+7	& Culvert cleanout	5.11	10353	←

PLOTTED
6' 10" HPL

10864

cb	5.9	1027
+13	4.9	1037
+15	3.2	1054
S	2.8	1058 ✓

w/cb

S	2.9	1057
cb	4.9	1037
1/4	4.2	1044
e	4.3	1043
1/4	4.6	1042
cb	4.5	1041
N	3.9	1047

PLOTTED

w 1/4

N	3.4	1052
cb	4.2	1044
1/4	4.0	1046
c	3.6	1050
1/4	3.7	1049
cb	3.6	1050
S	1.7	1049

Center

S	0.6	1050 ✓
cb	2.7	1059
1/4	3.1	1055
c	3.2	1054
1/4	3.6	1050

10864

Newport 38

cb	3.6	1050
+7	3.4	1052
+10	2.1	1065
N	2.0	1066
T.P.	1322 / 21.74	0.1 ✓

E 1/4

N	14.5	1072
cb	15.5	1062
1/4	16.4	1053
e	15.9	1058
1/4	16.1	1056
cb	15.0	1067
S	13.0	1087

PLOTTED

6/20/27

Ecb

S	12.8	1089
cb	14.7	1074
1/4	15.2	1065
e	15.2	1065
1/4	15.4	1063
cb	15.3	1064
N	14.2	1075

El Froude = 00

N	13.5	1082 ✓
+10	12.2	1095
+18	15.1	1066
cb	15.2	1065 ✓

121.74

1/4	15.0	1067	
c	14.8	1069	
1/4	14.6	1091	
+5	14.2	1075	
cb = Howline of culvert	17.0	1047	
cb Top of inlet	16.0	1057	
+14	12.1	1096	
+14	10.0	1117	
S	9.0	1127	✓
S	3.9	1178	✓
+6	5.4	1163	
cb	13.5	1082	✓
+3	11.0	1107	
1/4	11.2	1105	
c	11.2	1105	
1/4	11.6	1101	
cb	12.3	1094	✓
+3	11.4	1103	
+10	7.7	1140	
N	7.4	1143	✓
N	5.1	1162	✓
+5	7.3	1144	
cb	10.4	1113	✓
1/4	9.5	1122	

PLOTTED

4-20-13
RPH

0+50

0+75

121.74

Newport

39

c	9.2	1125	
1/4	9.4	1123	
cb	9.0	1127	✓
+2	9.0	1127	
+3	11.3	1104	
+14	11.5	1102	
S	4.9	1168	✓
S	6.0	1157	✓
+6	9.2	1125	
+6	9.8	1119	
+14	6.4	1153	
cb	6.4	1153	✓
1/4	6.8	1149	
c	6.8	1149	
1/4	7.2	1145	
cb	8.4	1133	✓
+8	8.6	1131	
+16	5.9	1158	
N	-1.0	1207	✓
N	+2.0	1237	✓
+6	+1.5	1232	
+13	-6.6	1151	
cb	6.6	1151	✓
1/4	5.0	1167	

PLOTTED

6/20/13
RPH

1+00

1+25

121.724

c		4.3	117.4	
1/4		4.3	117.4	
ob		4.8	116.9	/
+4		5.4	116.3	
+5		7.6	114.1	
+12		8.0	113.7	
S		5.2	116.5	✓
	1450			
S		3.8	117.9	✓
+4		6.8	114.9	
+10		7.0	114.7	
+14		5.4	116.3	
+15		2.0	119.7	
cb		2.0	119.7	/
1/4		2.0	119.7	
c		1.8	119.9	
1/4		2.6	119.1	
cb		4.0	117.7	/
+5		-5.0	116.7	
+14		+4.0	125.7	
N		+4.5	126.2	✓
T.P.	13275	13469	0.30	121.44
	1475			
N		7.1	127.6	✓
+6		8.7	126.0	
+8		10.8	123.9	
+14		12.6	122.1	

PLOTTED
8/20/44

134.69

Newport

60

+15		16.2	118.5	
cb		16.2	118.5	✓
+1		13.2	121.5	
1/4		13.2	121.5	
c		12.3	122.4	
1/4		12.5	122.2	
+8		12.5	122.2	
cb		13.5	121.2	/
+4		13.6	121.1	
+5		17.7	117.0	
+17		18.7	116.0	
S		6.7	128.0	✓
	2100			
S		6.3	128.4	/
+1		17.0	117.7	
+9		17.1	117.6	
+10		10.0	124.7	
cb		10.2	124.5	✓
1/4		10.1	124.6	
c		9.8	124.9	
1/4		10.6	124.1	
cb		10.9	123.8	✓
+5		14.6	120.1	
+10		10.8	123.9	
N		5.1	129.6	✓

PLOTTED
8/20/44

134.69

N	2+75	5.1	1296	✓
+12		9.2	1255	
+15		12.6	1221	
cb		9.6	1251	✓
1/4		7.7	1270	
e		7.0	1277	
1/4		7.4	1273	
cb		7.5	1272	✓
+5		7.5	1272	
+7		16.2	1183	
+13		16.4	1183	
S		5.8	1289	✓
	2+50			
S		✓ 6	1301	✓
+12	PLOTTED 9/27/27 KPL	14.7	1200	
+17		14.7	1209	
cb		11.6	1231	✓
+1		4.6	1301	
1/4		4.6	1301	
C		5.5	1303	
1/4		4.9	1298	✓
cb		6.6	1281	✓
+5		8.6	1261	
+13		5.9	1298	
N		1.0	1337	✓

134.69

Newport 41

	2+75			
N		+6.5	1412	✓
+12		+3.0	1377	
+13		-4.5	1302	
+16		-4.5	1302	
cb		3.7	1310	✓
1/4		2.4	1323	
C		1.5	1329	
1/4		1.6	1331	
cb		1.2	1335	✓
+6		8.7	1220	
+10		10.6	1241	
+18		8.3	1204	
J		0.3	1324	✓
T.P.	1244 146(24)	0.82	122.87	
	3+00			
S		0.0	1463	✓ Top bank
+5		13.5	1328	
+15	PLOTTED 9/27/27 KPL	14.2	1321	
+17		11.7	1306	
cb		11.4	1349	✓
1/4		11.4	1349	
C		11.0	1353	
1/4		11.3	1350	
cb		13.2	1331	✓
+5		14.8	1315	

146.31

cb +iv	9.4	136.9	
N	7.5	138.1	✓
N	3+25	142.3	✓
+v	7.0	139.3	
+iv	9.1	137.2	
+15	11.8	134.5	
cb	9.7	136.6	✓
1/4	9.2	137.1	
e	9.5	136.8	
1/4	8.9	137.4	
cb	9.6	136.7	✓
+7	10.6	135.7	
+8	13.2	133.1	
+15	13.4	132.9	
S	9.0	137.2	✓
S	3+50	138.0	✓
+5	10.9	135.4	
+13	12.6	133.7	
+18	6.9	135.4	✓
cb	6.9	139.4	✓
1/4	6.4	139.9	
e	6.0	140.3	
1/4	6.6	139.7	
cb	7.6	138.7	✓

PLOTTED
9/20/77
HRS

146.29
58
10

Newport 42

+5	9.8	136.5	
+10	6.8	139.5	
N	4.2	142.1	✓
N	3+75	143.2	✓
+iv	6.6	139.7	
cb	4.8	141.5	✓
1/4	4.1	142.2	
c	3.6	142.7	
1/4	4.0	142.3	
cb	4.5	141.8	✓
+10	5.7	140.6	
+11	11.3	135.0	
+16	-11.3	135.0	
S	+5.8	151.706 bank	
T.P.	12.39, 157.98 4+00	0.70 145.54	
N		15.4	144.6 ✓
+13		15.6	142.4
cb		14.6	143.4
1/4		14.0	144.0
c		13.3	144.7
1/4		13.3	144.7
cb		13.4	144.6 ✓
+7		13.3	144.7
+8		17.7	140.3

PLOTTED
9/20/77
HRS

157.98
158.00

15798
15700

fiv		17.7	1403	
S		10.5	1475	/
	H+25			
S		12.4	1453	/
+4		15.6	1424	
+8		15.6	1424	
+10		12.3	1457	
cb		11.4	1466	/
1/4		11.2	1468	
e		10.9	1471	
1/4		11.7	1463	
+8		12.4	1456	
cb		13.7	1443	/
+5		11.6	1464	
+6		7.4	1506	
N		9.7	1483	/
T.P. 10/1	10.66	16297	573	152.25
	H+50			
N		12.5	1504	/
+4		10.8	1521	
+12		10.3	1526	/
+14		14.9	1480	
cb		15.3	1476	/
1/4		14.3	1486	
e		13.6	1493	
1/4		13.9	1490	

PLOTTED
9/27/1975

16297B

Newport

43

cb		14.3	1486	/
+6		14.2	1487	
+10		20.2	1427	
+16		15.4	1475	
+17		2.5	160.4	Tab bank
S		2.5	160.4	/
	H+75			
S		6.2	1564	/
+7		18.2	1447	
+8		18.2	1447	
+15		11.5	1514	
cb		11.7	1512	/
1/4		11.6	1513	
e		11.3	1516	
1/4		12.5	1504	
cb		13.3	1496	/
+4		11.6	1513	
+6		6.7	1562	
N		8.4	1545	/
	H+100			
N		6.0	1579	/
+13		4.3	1576	
+14		10.6	1523	
cb		10.3	1526	/
1/4		9.5	1534	
C		9.0	1529	

PLOTTED
9/27/1975

16298

1/4		9.5	1524	
cb		10.0	1529	/
+d		10.2	1527	
+9		16.0	1469	
+13		16.1	1468	
S		-6.2	1587	/
	5+25			
S		+1.5	1644	/
+6		-15.2	1477	
+10		15.1	1478	
+12		9.2	1537	
cb		7.8	1551	/
1/4		7.3	1552	
e		6.6	1523	
1/4		6.9	1560	
cb		7.6	1553	/
+d		8.4	1545	
+5		2.6	1603	
N		5.6	1573	/
	5+50			
N		5.1	1578	/
+14		1.8	1611	
+15		3.4	1598	
cb		4.8	1581	/
1/4		4.1	1588	
e		4.0	1579	

PLOTTED

6/20/22

16298

Newport 44

1/4		4.0	1579	
cb		4.3	1576	/
+7		4.8	1581	
+8		12.4	1585	
+11		-12.3	1506	
S		+2.2	1651	/
	5+75			
S		-1.8	1611	/
+3		6.9	1570	
+7		6.9	1570	
+8		3.3	1596	
cb		1.8	1611	/
1/4		2.1	1608	
e		1.6	1613	
1/4		1.6	1613	
cb		2.3	1606	/
+10		2.4	1605	
N		5.9	1570	/
	6+100000 GUIDOT			
N		5.0	1579	/
+15		1.0	1619	
cb		0.4	1625	/
1/4		0.3	1626	
e		0.0	1629	
1/4		0.3	1626	
cb		0.4	1625	

PLOTTED

6/20/22

162.974

+12		6.1	156.8
+18		1.8	161.1
S.		1.8	161.1
TP	569	168.33	0.29
			162.64
	W cb GUIDOT		
S		5.3	163.0
+3		5.6	162.7
+5		8.5	159.8
+12		8.6	159.7
cb		11.9	162.4
1/4		5.2	163.1
e		5.0	163.3
1/4		5.2	163.1
cb		5.3	163.0
N		5.7	162.6
	W 1/4		
N		5.2	163.1
cb		5.3	163.0
1/4		4.9	163.4
e		5.6	163.7
1/4		11.9	163.4
cb		4.5	163.8
+8		6.9	161.4
+9		8.7	158.5
+13		8.6	159.7
+14		4.9	163.4
S		4.9	163.4

PLOTTED
9/21/27

168.37

Newport

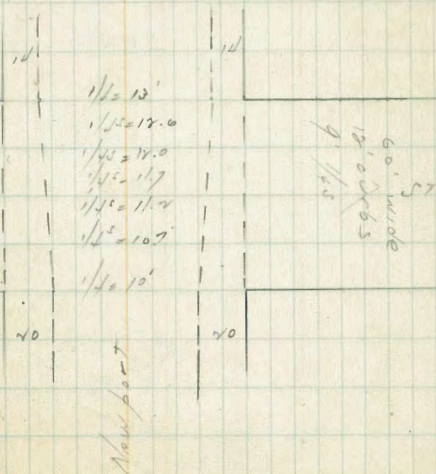
45

CENTOR

S		5.1	163.2
+12		8.3	160.0
+8		7.4	160.9
cb		4.7	163.6
1/4		4.6	163.7
e		4.4	163.9
1/4		4.7	163.6
cb		5.0	163.3
N		5.1	163.2

PLOTTED
9/21/27

GUIDOT



16831

E 1/4 GUIDOT

N	5.2	1631
cb	4.9	1634
1/4	4.6	1637
c	4.2	1641
1/4	4.4	1639
cb	4.9	1634
+2	7.0	1613
+6	6.6	1617
+7	5.2	1629
J	6.7	1616

PLOTTED

E curb

J	4.8	1632
+13	4.8	1635
+14	6.6	1617
cb	6.6	1617
+2	4.4	1639
1/4	4.1	1642
c	4.0	1643
1/4	4.6	1637
cb	5.0	1633
N	5.5	1628
N	4.55	1638

E-L GUIDOT

N	3.9	1644
cb	3.98	1643

16831

Newport 2/6

gutter	5.0	1633
1/4	4.6	1637
c	3.9	1644
1/4	3.9	1644
gutter	4.5	1638
cb top cement curb	3.50	1647
J	4.8	1655
check to B14 GUIDOT	4.11	1642
These B14's are No. 400		1645
		0.27 error
		(30)

PLOTTED

Cross Section of Hole North of Del Mar
and east of Froude

176.40

ENTRYS on
Watson + Sutton Job
Ocean beach grading

60' E of EL Froude = 00

NL	11.2
15' N	9.7
0+25	
NL	12.0
20' N	11.0
10' N	7.3
0+40	
NL	11.7
20' N	10.2
30' N	6.7
0+50	
NL	11.3
15' N	10.7
25' N	8.0
30' N	6.1
0+60	
NL	11.3
20' N	7.7
30' N	4.0
0+75	
NL	11.0
13' N	10.8
30' N	3.8

176.40

117

1+00

NL	7.7
17' N	10.7
30' N	9.4
50' N	2.7

1+25

10' N of NL	2.4
30 " "	10.1
60 " "	4.7

T.P. 8.00 183.40 1.00 175.40

1+50

10' N of NL	5.3
25 " "	13.5
45 " "	17.0
70 " "	12.2

1+60

10' N of NL	5.0
45 " "	12.8
60 " "	14.5
80 " "	13.0

1+75

30' N of NL	5.0
90 " "	12.5

EXTRAS on Watson & Surratt
Job Ocean Beach Grading

Male S of Del Mar east of Froude
approx 300 cu yds. needed

Male East of Froude & North of Orchard
approx 400 yds needed

35 lineal ft curb & sidewalk on North side of
Del Mar east of RR. R-1st to be taken out
above grade.

Tolman
7-27

X-section of Herbert St from
J.L. Robinson to 520 south

60' street
10' cb.

119

0+00 = 0.20 298.82 298.62 BPNW
J.L. Robinson 0+00 Herb. Esset.

≠
E cb 5.6 93.2
W cb 5.78 93.0
6.72 92.1

Plotted
8/31

On Centerline

0+25 5.6 93.2
0+43 6.1 92.7
0+63 6.5 92.5
0+75 11.1 87.7

TP 0.13 287.59 11.36 287.46
1+00 7.1 88.5

TP 2.17 277.49 12.27 275.32
1+25 6.9 70.6

1+50 12.5 65.0

1+75 15.0 62.5

2+00 13.7 63.8

2+23 12.5 65.0

2+50 13.7 64.3

TP 0.80 266.23 12.26 265.43

Station	91.0	92.0	93.2	93.2	97.7	92.6	92.6	Notes
0+25	3.9 EL	4.9 cb	4.7 1/2	4.7 1/2	5.2 1/2	5.3 cb	5.3 WL	
0+43		91.0 5.5 cb	91.7 5.6 1/2	92.7 5.5 1/2	92.3 5.0 1/2	91.7 5.6 cb	91.6 5.7 WL	edge cont #43 driveway
0+63		92.8 4.8 cb	91.0 4.8 1/2	91.7 4.8 1/2	92.3 4.8 1/2	91.7 4.8 cb	91.6 4.8 WL	0+63
0+75			9.0 4.8 1/2	9.0 4.8 1/2	7.8 4.8 1/2	8.0 4.8 cb	8.0 4.8 WL	0+75
1+00	89.9 0.0 +10 EL	88.9 1.0 cb	91.5 3.4 1/2	91.7 3.2 1/2	88.5 11.4 1/2	74.9 15.0 1/2	84.3 13.6 1/2	84.9 13.0 +20
1+25	87.9 0.1 +10 EL	84.3 3.7 cb	80.7 7.3 1/2	75.2 12.6 1/2	70.6 17.5 1/2	68.5 17.2 1/2	73.4 14.6 1/2	77.6 10.2 +20
1+50	82.3 0.1 +15 EL	77.8 4.6 cb	74.1 8.3 1/2	69.4 13.0 1/2	65.0 17.4 1/2	67.1 15.3 1/2	71.0 11.4 1/2	74.6 7.8 +20
1+75	76.0 3.0 +15 EL	71.9 9.7 cb	67.9 13.7 1/2	63.4 18.2 1/2	62.5 19.1 1/2	65.7 15.9 1/2	68.8 12.8 1/2	73.2 8.4 +20
2+00	71.9 11.7 +20 EL	64.0 19.0 cb	59.6 24.0 1/2	59.9 23.7 1/2	63.8 17.8 1/2	67.8 16.3 1/2	70.8 12.8 1/2	75.7 7.9 +10
2+23	60.5 21.9 +20 EL	56.7 25.7 cb	58.4 24.0 1/2	61.5 20.9 1/2	65.0 17.4 1/2	68.8 13.6 1/2	72.8 9.6 1/2	77.4 5.0 +3.5
2+50	53.6 19.4 +20 EL	56.2 16.8 cb	58.9 14.1 1/2	62.4 10.6 1/2	64.3 8.7 1/2	67.5 5.5 1/2	68.8 4.7 1/2	71.6 1.4 +3

corner of house.

266 v 3

2+75 8.2 58.0

3+00 15.1 51.1

3+25 18.0 48.2

3+40 18.0 48.2

3+50 17.7 48.5

3+75 12.2 54.0

4+00 4.2 62.0

TP 12.92 278.02 118 265.10

4+25 5.6 72.4

TP 12.42 289.38 106 276.96

4+50 8.9 80.5

4+75 3.3 86.1

TP 10.80 297.39 2.79 286.59

Herbart 3f

50

50.1	50.7	52.2	54.1	58.0	60.3	61.7	63.2	68.5
19.9	19.3	17.8	15.3	12.0	9.7	8.3	6.2	1.5
+20	52	cb	1/4	2	1/4	cb	1/2	+20

54.1	50.4	49.9	49.5	51.1	54.7	57.0	57.7	61.2
7.3	11.0	11.5	11.9	10.3	6.7	4.4	3.7	2.2
+20	EL	cb	1/4	2	1/4	cb	1/2	+20

54.2	51.0	49.6	48.8	48.2	49.9	51.5	52.5	54.1
3.4	6.6	8.0	8.8	9.4	7.7	6.1	5.1	3.5
+20	EL	cb	1/4	2	1/4	cb	1/2	+20

53.3	52.1	52.1	50.3	48.5	47.8	48.7	49.1	49.4
1.1	3.0	3.0	4.8	6.6	7.3	6.4	6.0	5.7
+20	EL	cb	1/4	2	1/4	cb	1/2	+20

59.3	57.2	55.9	54.0	50.4	46.9	46.7	45.8	45.8
1.7	3.8	5.1	7.0	10.6	14.1	14.3	15.2	15.2
Fence	cb+8	cb	1/4	2	1/4	cb	1/2	+20

69.2	67.9	64.7	62.0	61.9	61.7	59.6	58.7	58.7
1.5	3.8	6.0	8.7	8.8	9.0	11.1	12.0	12.0
cb+8	cb	1/4	2	1/4	cb	1/2	+20	

80.2	78.4	75.4	72.4	70.7	68.6	67.0	64.7	64.7
2.0	3.8	6.8	7.8	11.5	13.6	15.2	17.5	17.5
Shack	cb+8	cb	1/4	2	1/4	cb	1/2	+20

87.3	86.2	85.1	80.5	78.3	75.8	72.1	66.8	66.8
0.1	1.2	3.3	6.9	9.1	11.6	15.3	20.6	20.6
Fence	cb+8	cb	1/4	2	1/4	cb	1/2	+20

91.7	89.8	88.1	86.1	83.9	81.7	79.8	74.0	74.0
1.5	3.4	5.1	7.1	9.3	11.5	13.4	17.2	17.2
House at back	EL	cb	1/4	2	1/4	cb	1/2	+20

297.39

4+91.5 7.1 903 Fence

5+00 6.4 91.0

5+20 5.4 92.0 Gutter
5+28 4.28 93.11 oneb. sky

From here to Cypress on Page 11

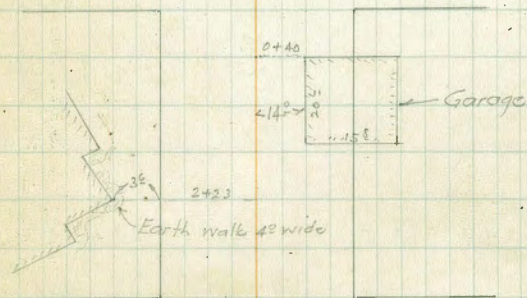
Herbert St

51

92.9	91.7	91.1	91.0	90.6	90.6	89.4
$\frac{3.9}{FL}$	$\frac{5.1}{26}$	$\frac{5.7}{14}$	$\frac{5.8}{2}$	$\frac{6.2}{7/4}$	$\frac{6.2}{cb}$	$\frac{7.4}{wL}$

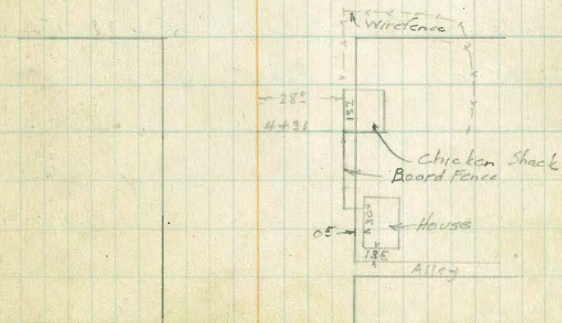
Robinson

Ave



Pennsylvania

Ave



Cypress

Ave

Tolson
7-27

Xsection of Pennsylvania Ave
from a line 333' west of the W.L. of
Park Bvd to the E.L. of Herbert St

Seaside
10' abt

52

4.27 297.38 293.11 Alley on
Page 51

333' west of Rk. Bvd. D+00

N.L.		6.7	90.7
Top + end cut Cb		6.76	90.62
±		6.7	90.7
Top + end cut Cb		6.95	90.43
S.L.		7.2	90.2

Plotted
9/31/27
C.B.H.

0+25 ± 8.6 88.8

TP 0.34 285.21 12.51 284.87

0+50 ± 5.5 79.7

TP 3.28 275.45 13.06 272.17

0+75 ± 6.2 69.2

1+00 ± 13.0 62.5

TP 1.94 264.66 12.73 262.72

1+25 ± 7.8 56.9

107	754	813	828	888	908	898	897	841
24.3	19.6	13.7	12.2	6.2	4.2	5.2	5.3	10.9
+25	1/2	cb	1/4	±	1/4	cb	NL	+15

641	684	722	753	791	831	865	870	82
26.1	21.8	18.0	14.9	10.5	7.1	3.7	2.6	9.0
+25	1/2	cb	1/4	±	1/4	cb	NL	+25

583	609	710	667	692	727	754	780	719	745
21.7	20.0	9.0	13.3	10.5	7.3	4.6	2.0	2.1	5.2
+25	1/2	cb	1/4	±	1/4	cb	NL	+40	+25

635	577	572	606	625	635	659	679	687	662
5.4	11.2	9.7	8.3	6.4	5.4	3.0	1.0	0.2	3.7
+25	1/2	cb	1/4	±	1/4	cb	NL	+10	+25

648	562	551	563	569	586	596	594	577
0.4	82	9.3	8.1	7.5	5.8	4.5	5.0	6.7
+25	1/2	cb	1/4	±	1/4	1/4	NL	+25

26466

1450 ±

12.8

51.8

1467 ±
EL Herbert St

14.0

50.7

Penn Ave

461	581	526	575	518	571	528	537	531
0.0	8.0	13.5	13.6	14.3	14.0	13.3	12.9	13.0
+25	3.4	0.6	1.6	4	5	0.6	1.2	+25
63.7	56.7	53.9	55.7	50.7	50.9	50.8	51.4	50.7
0.0	7.0	7.8	10.0	13.0	12.8	12.9	12.3	13.0
+25	5.4	0.6	1.6	2	1.4	0.6	1.2	+25

Tolman
7/27

X section at intersection of 35th
& Imperial

9.
27.10
North end of
eb return at NE
corner of 35th &
Imperial

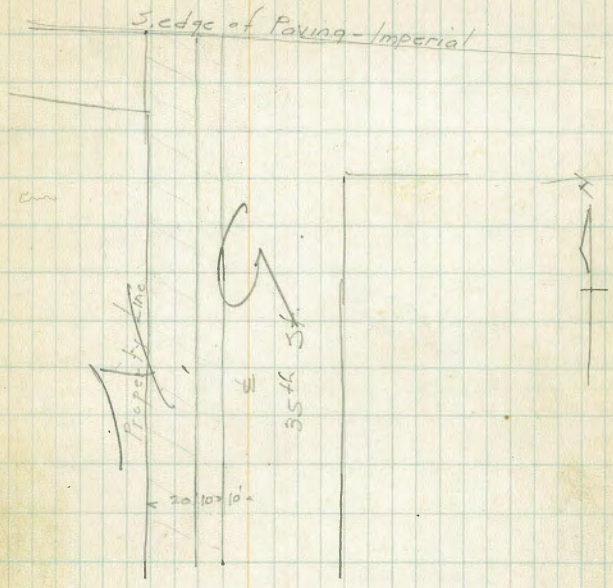
	5.42	
	6.94	6.66
	11.23	0.69
	11.51	0.88
12' south		10.7
TP	12.99	1.71
21' south		8.6
40' "		2.2
TP	6.62	2.15
53' south		4.0
66' south		4.0
70' "		3.8

Book

73

for
re-survey
of
the
line
on the
E. side
of
35th

on
N. side
of 35th



on the E. side of 35th

7.35

6.12

TP	9.30	
12' south		8.8
TP	8.131	1.14
21' south		6.0
40' "		0.8
TP	6.78	0.82
53' south		4.2
66' "		3.3
70' "		3.4

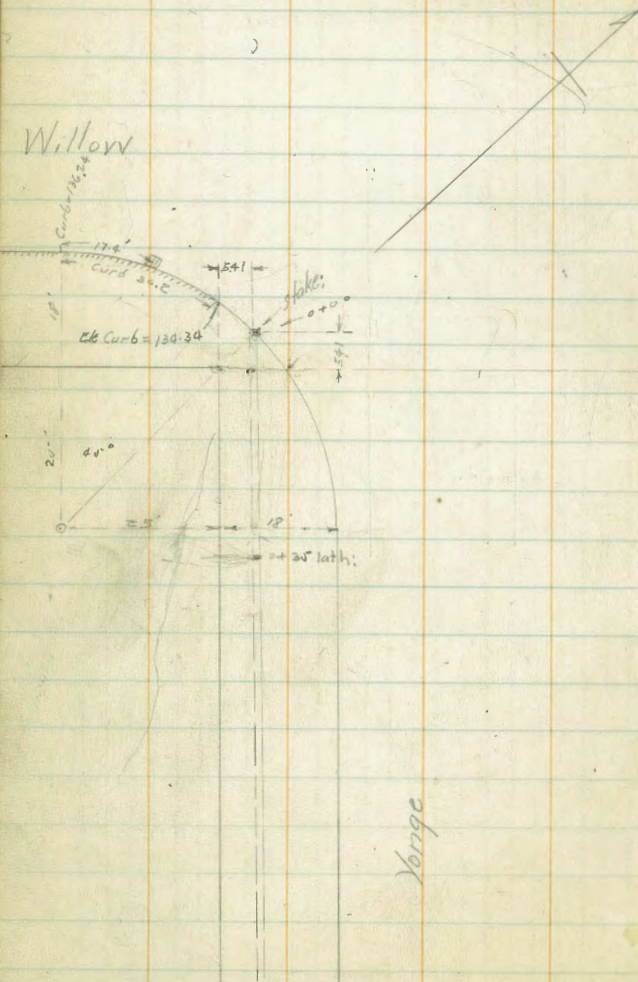
Tolman
on paving
at N.E. of 35th

St.

Dennart
Flood
Bicket
Aug 2-1927

Culvert Willow and Yonge

Willow



Yonge

+

π

E/e

JV

	117.3	137.09	135.36	B.P. S.W. Willow and Yonge
Curb line - 12.59 on ground:			2.2	134.7
-6 " "			2.8	134.3
-5 " "			5.2	131.9
+100			7.6	129.5
+78			9.0	128.1
# 1.46	126.27	12.23	124.86	
+20			5.4	120.9
+35 Bottom slope			10.9 ✓	115.4
+45			13.0	113.3
10' south of +45 = Bottom Canyon			19.7	106.6

Bliss
Isabell
Morgan
12/31/27
B.M.S.E. BP
Texas + Polk

X-Section of Polk Street Texas to
Louisiana

80' st
19' obs
13' 06

325.74

Elev

56

Station	Dist	Elev	Notes	Elev	
0.79	325.74	324.95		4.0	321.7
	0+00 = W Line of Texas			3.6	322.1
S	2.6	323.1	cb	3.5	322.2
S Topc	2.8	322.9	+6	3.4	322.3
Gutter	3.2	322.4	N	4.8	320.9
1/4	2.79	322.9		45' West	
1/4	2.62	323.1	N	6.7	319.0
1/4	2.78	322.9	+6	6.1	319.6
Gutter	3.20	322.5	+12	5.4	320.3
N Topc	2.79	322.9	cb	5.5	320.2
N	2.7	323.0	1/4	5.9	320.3
	02' West		+3	5.9	320.3
	2.7	323.0	1/4	5.9	319.8
1/4	2.3	323.4	1/4	6.0	319.7
cb	2.6	323.1	+9	6.2	319.5
+3	2.9	322.8	cb	6.2	319.5
1/4	2.7	323.0	S	6.0	319.7
1/4	2.7	323.0		55' West	
1/4	2.9	322.8	S	7.3	318.4
cb	2.8	322.9	cb	7.2	318.5
S	2.7	323.0	1/4	7.2	318.5
	25' West		1/4	6.8	318.9
S	3.7	322.0	1/4	6.8	318.9
cb	4.2	321.5	cb	7.0	318.7
+5	4.3	321.4	N	7.5	318.2
1/4	4.2	321.5			

32574

Elev.

72' West

N	8.8	316.9
+9	8.0	317.7
cb	8.5	317.2
1/4	8.8	316.9
ϕ	8.9	316.8
1/4	9.1	316.6
+11	9.1	316.6
cb	8.8	316.9
+6	8.9	317.3
S	8.3	317.4

78' West

S	8.8	316.9
+8	8.8	316.9
cb	9.2	316.5
+6	10.0	315.7
1/4	9.9	315.8
+2	9.7	316.0
+8	9.5	316.2
ϕ	9.3	316.4
1/4	9.9	315.8
cb	9.9	316.3
N	9.3	316.4

83' West Single Garage on South

on 2 in concrete floor ϕ 8.75

100' West

N	10.9	314.8
---	------	-------

32574

Elev

57

cb	10.9	314.8
1/4	11.2	314.5
ϕ	11.5	314.2
1/4	12.0	313.7
cb	11.4	314.3
+3	11.4	314.3
+5	10.6	315.1
S	10.3	315.4

115' West

S	11.4	314.3
+7	11.3	314.4
+11	12.4	313.3
cb	12.6	313.1
1/4	12.8	312.9
ϕ	12.7	313.0
1/4	12.7	313.0
+10	12.9	313.3
cb	12.2	313.5
N	12.2	313.5

T.P. 1.37 314.31 12.80 312.99

133' West

N	1.8	312.5
cb	1.9	312.4
1/4	2.1	312.2
ϕ	2.0	312.3
1/4	2.1	312.2

	+	-	Elev
	31431		
N cb		2.2	312.1
+ +6		1.8	312.5
+ +9		0.9	313.4
1/5		0.8	313.5
	140' West E. End of Alley		
1/5		1.8	312.5
+ +4		1.9	312.4
+ +6		2.4	311.9
+ cb		2.6	311.7
S 1/4		2.4	311.9
ϕ		2.3	312.0
S 1/4		2.4	311.9
+ cb		2.4	311.9
+ +4		2.2	312.1
+ N		2.0	312.3
	146' West		
+ N		3.1	311.2
+ cb		2.8	311.5
1/4		3.0	311.3
ϕ		3.1	311.2
+ +3		3.1	311.2
N +9		2.6	311.7
1/4		2.6	311.7
cb		2.6	311.7
S.		2.7	311.6

	+	-	Elev
	31431		58
	160' West W. Line of Alley		
S		3.0	311.3
cb		3.1	311.2
1/4		3.4	310.9
ϕ		3.8	310.5
1/4		3.8	310.5
cb		3.8	310.5
N		3.6	310.7
	162' West Walk on North		
	Prop +10	3.71	
	180' West		
N		4.8	309.5
+10 edge of walk		4.86	309.4
cb		4.9	309.4
+10		5.2	309.1
1/4		5.3	309.0
ϕ		4.8	309.5
1/4		4.6	309.7
cb		5.1	309.2
S		5.0	309.3
	189' West		
S		5.9	308.4
cb		6.0	308.3
1/4		5.2	309.1
ϕ		5.2	309.1
+5		5.7	308.6
1/4		6.1	308.2

	+	π 31431	-	Elev
+7			5.8	308.5
cb			5.6	308.7
+4 edge of walk			5.42	308.9
N			5.5	308.8
		200 W		
N			6.1	308.2
+10 S edge of walk			6.3	308.7
cb			6.3	308.0
+12			6.8	307.5
±			6.3	308.0
1/4			6.6	307.7
cb			6.5	307.8
+10			6.2	308.1
S			6.3	308.0
		212 West		
S			6.8	307.5
+12			6.3	308.0
cb			6.4	307.9
+10			7.6	306.7
1/9			7.6	306.7
±			7.6	306.7
1/9			7.5	306.8
cb			7.0	307.3
+ S edge of walk			6.78	307.5
N			6.9	307.4
		227 West		

	+	π 31431	-	Elev	59
N			8.3	306.0	
+4			7.7	306.6	
+10 s edge of walk			7.66	306.6	
cb			7.8	306.5	
1/4			8.1	306.2	
±			8.1	306.2	
+10			8.3	306.0	
1/4			8.6	305.7	
cb			8.4	305.9	
S			8.2	306.1	
		232 West end of walk on N			
		Propt 10 s edge of walk	7.92		
		235 West			
S			8.5	305.8	
±5			8.5	305.8	
cb			8.8	305.5	
1/4			8.7	305.6	
±			8.5	305.8	
1/4			8.3	306.0	
cb			8.4	305.9	
+4			8.2	306.1	
N			8.4	305.9	
		241 West			
N			10.0	304.3	
cb			9.7	304.6	
+11			9.0	305.3	

X +

K
314.31

-

Elev

1/4	9.2	305.1
♀	9.2	305.1
1/4	9.6	304.7
cb	9.4	304.9
+9	9.0	305.3
S	9.0	305.3

266

S	10.3	304.0
cb	10.6	303.7
+11	10.7	303.6
1/4	10.9	303.4
♀	10.8	303.5
1/4	10.8	303.5
cb	11.0	303.3
N	11.0	303.3

281 West

N	12.1	302.2
cb	12.3	302.0
1/4	12.4	301.9
♀	12.3	302.0
1/4	12.3	302.0
+10	12.0	302.3
cb	11.9	302.4
S	11.3	303.0

300 West E. Line of Louisiana

S	12.6	301.7
---	------	-------

+

A
314.31

-

Elev

60

Top cb	12.69	301.6
Gutter	13.3	301.0
1/4	13.0	301.3
♀	12.74	301.6
1/4	12.71	301.6
Gutter	12.85	301.4
N Top cb	12.71	302.1
N	12.3	302.0
B.M.S.F. P.O.K. Mississippi	9.93	309.88

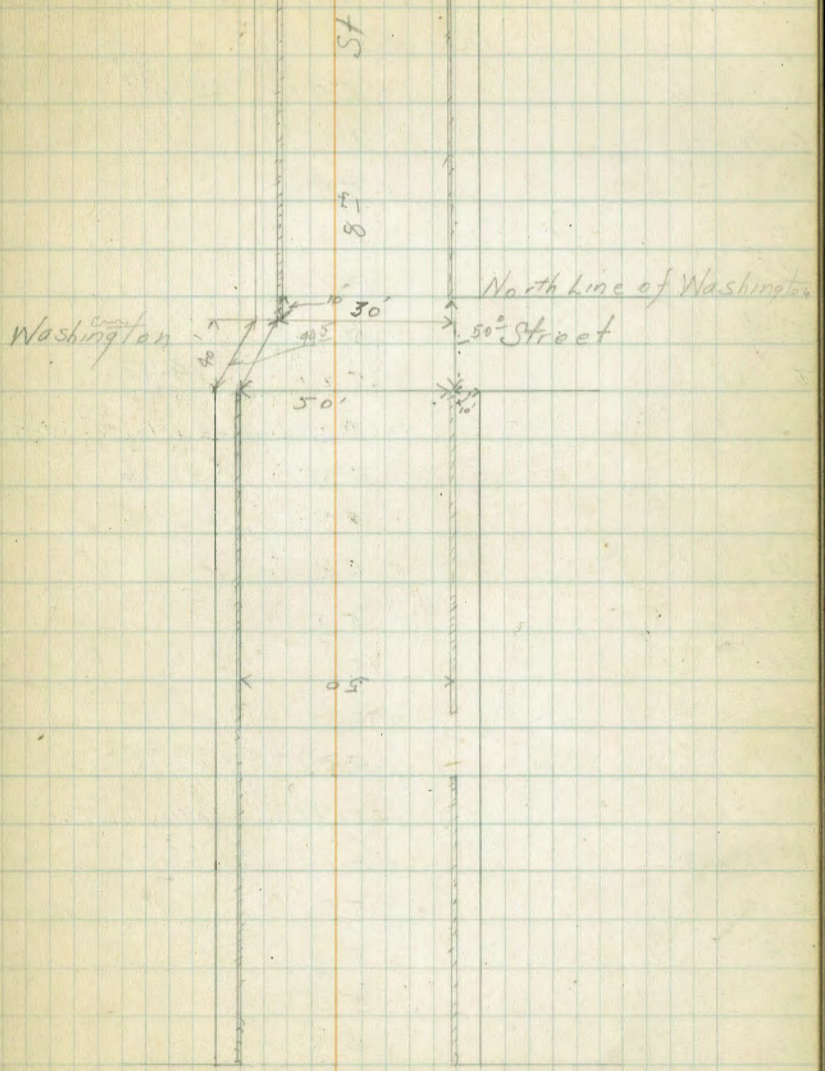
Note: Paving South of
♀ badly washed out
Water has Gutter Under
Paving at this water station

314.31
- 143
309.88

X Sections of 8th St from the N line of Univ to end
 B.M. N-W 23 + X — E/cr To'st 50 Roadway 11.5 95
 Univ and 8th 4.96 289.39 289.38

0+00 = N Line of Univ
 Section on paving

E Top cb	4.75	284.59
Gutter	5.37	
1/4	5.05	
1/2	4.84	
3/4	4.99	
Gutter	5.37	
Top cb	4.89	284.45
18' North		
W Top cb	4.98	284.36
Gutter	5.7	
1/4	5.3	
1/2	5.2	
3/4	5.4	
Gutter	5.4	
E Top cb	4.94	284.4
50' North		
F Top cb	5.01	284.33
Gutter	5.6	
1/4	5.5	
1/2	5.3	
3/4	5.3	
1/4	5.7	
1/2	5.7	
Gutter	5.6	



T
289.34

Elev

W Topob 5.15 284.19

100' North

N Topob 5.91 283.93

Gutter 6.0

1/4 5.8

1/4 5.6

1/4 5.7

Gutter 5.7

Topob 5.21 284.13

130' North S. line of alley on West

E Gutter 5.38 283.96

5.8 283.54

1/4 5.8

1/4 5.3

1/4 5.8

Gutter 5.7

W Topob 5.56 283.78

150' North N. line of alley on East

W Topob 5.78 283.56

Gutter 5.8

1/4 5.9

1/4 5.5

1/4 5.9

Gutter 6.0 283.34

Topob 5.50 283.84

+
289.34

Elev

62

200' North
E Topob 5.68 283.66

Gutter 6.0

1/4 6.2

1/4 6.1

1/4 6.2

Gutter 6.3

Topob 5.88 283.46

250' North

W Topob 6.18 283.16

Gutter 6.7

1/4 6.6

1/4 6.1

1/4 6.4

1/4 6.7

Gutter 6.4

Topob 5.98 283.36

T.P. 4.36 287.60 6.10 283.24

300' North

E Topob 4.50 283.10

Gutter 4.8

1/4 5.1

1/4 4.8

1/4 4.6

1/4 5.0

Gutter 5.3

W Topob 4.74 282.84

+ 287.60

Elev

325' North

W Topob	9.89	282.71
Gutter	5.5	
1/4	5.0	
¢	5.5	
1/4	5.0	
Gutter	5.2	
E Topob	4.61	282.99

350' North

E Topob	4.59	283.01
Gutter	5.2	
1/4	5.1	
¢	4.9	
1/4	5.2	
Gutter	5.7	
Topob	5.01	282.59

400' North

W Topob	5.26	282.34
Gutter	6.0	
1/4	5.5	
¢	5.2	
1/4	5.3	
+6	5.6	
Gutter	5.3	
E Topob	4.99	282.66

450' North

E Topob	5.20	282.40
---------	------	--------

+ 287.60

Elev

63

Gutter	5.6	
1/4	5.6	
¢	5.9	
1/4	5.8	
Gutter	6.1	
W Topob	5.99	282.11

500' North

W	5.78	281.82
Gutter	6.3	
1/4	6.0	
+8	5.6	
¢	5.6	
1/4	5.6	
Gutter	5.6	
Topob	5.35	282.25

550' North

E Topob	5.59	282.06
Gutter	5.9	
+6	6.0	
1/4	5.7	
¢	5.7	
1/4	6.1	
Gutter	6.5	
W Topob	6.03	281.57

576' North S. line of Washington

W Topob	6.15	281.45
---------	------	--------

50' 37
10' 65
7.59ts

	+	x	-	Elev
		287.60		
Gutter		6.9		
1/4		6.3		
£		5.9		
1/4		5.8		
+3		6.1		
Gutter		6.0		
E Top cb		5.65	281.95	
E on line		5.0		
	scb.		55' 30" slope	
E		4.9		
+9		5.5		
cb		5.8	281.8	
+8		6.2		
1/4		6.2		
£		5.9		
1/4		6.9		
+7.5 cb line .PIJ. 50' slope		6.9		
	5 1/4		51.5 102.5' etc	
cb		6.3	281.3	
1/4		6.3		
£		6.0		
1/4		6.1		
E cb		5.7	281.9	
+8.5		5.2		
E		4.7		

	+	x	-	Elev
		287.60		187.6 69
				97.9
		£		
		5.2		
		cb	5.6	282.10
		1/4	6.0	
		£	6.1	
		+5 E Min hole	6.0	
		1/4	6.3	
		W cb	6.3	281.3
		N 1/4		90'
		N cb	6.2	281.4
		1/4	6.2	
		£	6.3	
		1/4	6.1	
		cb	5.8	281.8
		E	4.9	
		N cb		50'
		E	5.1	
		cb	5.9	281.7
		1/4	6.2	
		£	6.1	
		1/4	6.3	
		Gutter	6.3	
		Top cb	6.19	281.41
		N line of Washington		Note: 25' is 50' wide North of Wash. road 25' 25'
		W Top cb	6.12	281.48
		Gutter	6.4	

	+	-	Elev
	287.60		
1/4		6.3	
¢		5.9	
1/4		6.0	
Gutter		6.0	
E Topcb		5.64	281.96
50' North of the N line of Washington			
E Topcb		5.36	282.24
Gutter		5.9	
1/4		5.7	
¢		5.6	
1/4		6.0	
Gutter		6.2	
W Topcb		5.77	281.83
set 4.00 Washington 5¢ 5.00 Front Street 4.50		3.19	284.91
T.P	3.32	287.73	319 284.91
100' North			
W Topcb		5.59	282.14
Gutter		6.1	
1/4		5.7	
¢		5.3	
1/4		5.3	
cb		5.6	
Topcb		5.15	282.58
150' North			
E Topcb		4.89	282.84
Gutter		5.9	

	+	-	Elev
	287.73		65
1/4		5.3	
¢		5.0	
1/4		5.3	
Gutter		5.7	
W Topcb		5.27	282.46
200' North			
W Topcb		5.02	282.71
Gutter		5.5	
1/4		5.1	
¢		4.7	
1/4		4.9	
Gutter		5.1	
E Topcb		4.55	283.18
250' North			
E Topcb		4.18	283.55
Gutter		4.8	
1/4		4.7	
¢		4.5	
1/4		4.5	
1/4		4.9	
Gutter		5.0	
W Topcb		4.69	283.04
300' North			
W Topcb		4.46	283.27
Gutter		4.6	
1/4		4.5	

287.73

Elev

66

Φ	4.~	
1/4	4.1	
Gutter	93	
E. TopCb	3.90	283.83

330' North N End of 8th

E. Topcb	3.74	283.99
Gutter	4.4	
1/4	4.5	
Φ	4.1	
1/4	4.1	
Gutter	4.1	
W. Top. Cb	4.~8	283.45

BM S.E.
Top Fire
Hydrant
Washington
9th

X Section of Washington Street from the
W line of 9th St West to 120' West of
the W line of 8th Street

	5.58	289.99	284.41
		W line of 9 th = 0 0 0	
S	5.9		284.1
+9	6.3		283.7
cb	6.7		283.3
1/4	6.5		283.5
¢	6.8		283.2
1/4	7.0		283.0
cb	7.0		283.0
N	6.5		283.5
		20' West	
N	6.2		283.8
N Topcb	6.36		283.63
Center	6.8		283.2
1/4	6.9		283.1
¢	7.0		283.0
1/4	7.0		283.0
cb	6.7		283.3
+5	6.5		283.5
S	5.7		283.3
		40' West	
S	5.8		284.2
+3	6.1		283.9
+6	6.5		283.5
cb	6.7		283.3
1/4	6.8		283.2

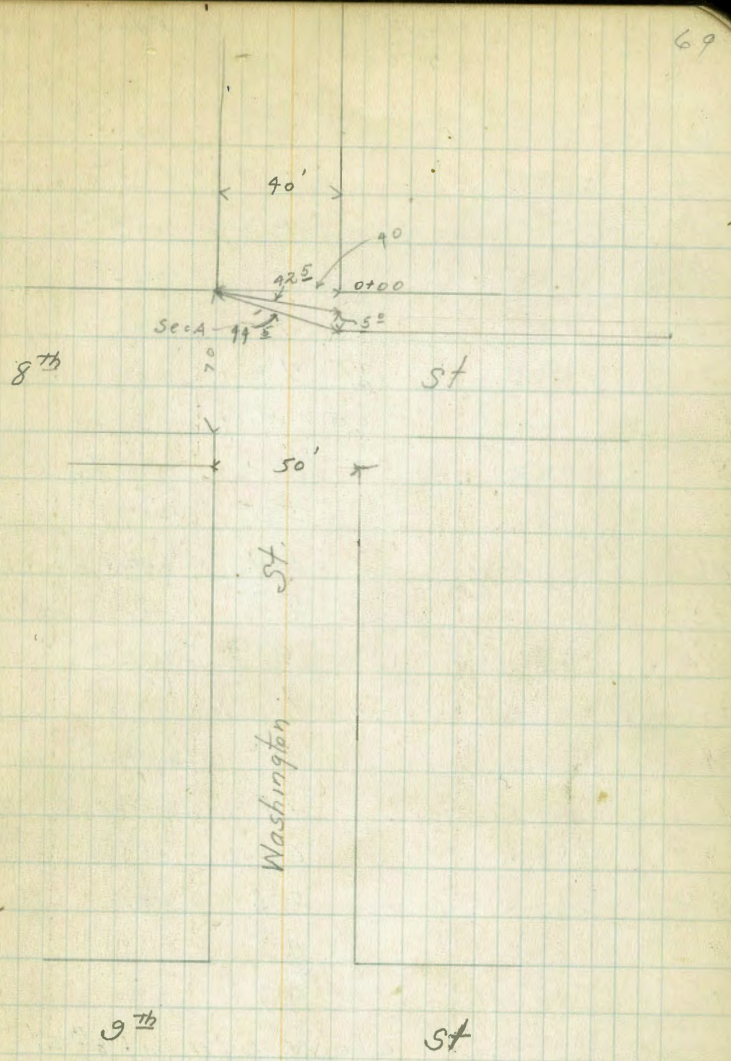
289.99

	6.7	283.3
¢	6.7	283.3
1/4	7.0	283.0
Center	6.9	283.1
N Topcb	6.17	283.82
N	6.0	284.0
		6.0' West
N	6.1	283.9
Topcb	6.05	283.94
Center	6.7	283.3
1/4	6.6	283.4
¢	6.3	283.7
1/4	6.1	283.9
cb	6.1	283.9
W line 2 nd St & 6 th St	5.45	284.64
		2.5' Back on floor of 6 th E end of Db/Garage
	4.90	285.09 ✓
		0.779' W end of Db/Garage
2' Back on floor	4.96	285.03 ✓
		80' West
S	5.7	284.3
cb	5.7	284.3
1/4	5.7	284.3
¢	5.8	284.2
1/4	6.1	283.9
+5	6.1	283.9
cb	6.3	283.7

	+	x	-	Elev
		289.99		
N			6.1	283.9
			100' West	
N			6.1	283.9
+9			6.0	284.0
cb			6.3	283.7
1/4			6.1	283.9
¢			6.0	284.0
1/4			6.1	283.9
cb			5.9	284.1
S			5.5	284.5
			120' West - E. line of alley	
S			5.2	284.8
+7			5.1	284.9
cb			5.5	284.5
1/4			5.7	284.3
¢			5.8	284.2
1/4			5.8	284.2
cb			5.8	284.2
N			5.9	284.1
			140' West - W. line of alley	
N			5.5	284.5
+5			5.4	284.6
cb			5.7	284.3
1/4			5.6	284.4
¢			5.7	284.3
1/4			5.5	284.5

	+	x	-	Elev	68
		289.99			
cb			5.9	284.6	
S			5.0	285.0	
			165' West		
S			4.5	285.5	
cb			4.7	285.3	
+4			4.7	285.3	
1/4			5.2	284.8	
¢			5.9	284.6	
1/4			5.9	284.6	
cb			5.3	284.7	
N			5.5	284.5	
			187' West		
N			4.9	285.1	
cb			5.1	284.9	
1/4			4.9	285.1	
1/4			4.9	285.1	
¢			4.6	285.4	
1/4			4.3	285.7	
+3			4.2	285.8	
cb			4.3	285.7	
S			4.0	286.0	
			200' West		
S			3.9	286.1	
+3			4.6	285.4	
cb			4.3	285.7	
1/4			4.4	285.6	

	+	x	-	Elev
		289.99		
¢		4.6		285.4
¼		4.6		285.4
cb		4.8		285.2
N	vc	4.4		285.6
218' West				
N		3.9		286.1
cb		4.4		285.6
¼		4.5		285.5
¢		4.6		285.4
¼		4.5		285.5
cb		4.4		285.6
S		4.0		286.0
230' West				
S		9.2		285.8
cb		4.3		285.7
¼		4.6		285.4
¢		4.8		285.2
¼		4.6		285.4
cb		4.5		285.5
N		4.4		285.6
250' West				
N		4.6		285.4
+6		4.7		285.3
cb		5.4		284.6
+4		5.4		284.6
¼		5.9		284.1



	+	-	Elev
	289.99		
♀		6.3	283.7
+9		5.9	284.1
+6		5.3	284.7
1/4		5.0	285.0
cb		4.7	285.3
S		9.2	285.8
	257' West		
S		9.3	285.7
+5		5.5	284.5
cb		5.7	284.3
+5		5.7	284.3
1/4		6.1	283.9
+5		7.1	282.9
♀		7.2	282.8
* 1/4		7.0	283.0
+3		6.2	283.8
cb		5.6	284.4
+5		4.7	285.3
N		4.7	285.3
	260' N. E. line of 8 th st		
N		7.0	283.0
cb		7.1	282.9
1/4		7.6	282.4
♀		7.6	282.4
+5		7.5	282.5
1/4		7.1	282.9

	+	-	Elev	70
	289.99			
cb		7.2	282.8	
S		7.5	282.5	
	Sec A on the W. line of 8 th		9.5	
S		7.4	282.6	
cb		7.7	282.3	
1/4		7.7	282.3	
♀		8.0	282.0	
1/4		8.2	281.8	
cb		8.1	281.9	
N		8.2	281.8	
	Sec 8.		9.5	
N		5.8	284.2	
cb		5.8	284.2	
1/4		5.9	284.1	
+2		7.3	282.7	
♀		7.6	282.4	
+5		6.6	283.4	
1/4		6.7	283.3	
cb		7.5	282.5	
S		7.9	282.6	
	at 100		see sketch page	
S		7.9	282.6	
+4		6.2	283.8	
cb		5.8	284.2	
+5		5.5	284.5	
♀		6.0	284.0	

	+	π	-	Elev
		289.99		
+6		5.9		284.1
1/4		5.9		284.1
+3		5.3		284.7
cb		5.9		284.6
N		5.9		284.6
		05' West		
N		5.0		284.6
cb		5.4		284.6
1/4		5.4		284.6
ℓ		5.5		284.5
1/4		5.6		284.4
+3		5.3		284.7
cb		5.2		284.8
S		5.1		284.9
		16' West		
S		5.0		285.0
cb		4.1		285.9
+~		4.3		285.7
+5		4.6		280.4
+7		4.4		280.6
1/4		6.6		283.4
+1		5.5		284.5
ℓ		5.2		284.8
1/4		5.5		284.5
cb		5.6		284.4
N		5.6		284.4

	+	π	-	Elev	71
		289.99			
					40' West
N		5.7		284.3	
cb		5.7		284.3	
1/4		5.5		284.5	
ℓ		5.2		284.8	
+4		5.0		285.0	
1/4		9.5		280.5	
+3		5.3		284.5	
+5.5		3.6		286.4	
cb		3.6		286.4	
+~		3.8		286.2	
S		5.2		284.8	
					65' West
S		6.1		283.9	
cb		4.2		285.8	
+2		4.2		285.2	
+5		4.7		280.3	
1/4		4.4		280.6	
+1.5		5.8		284.2	
ℓ		5.8		284.2	
1/4		5.8		284.2	
cb		5.9		284.1	
N		5.9		284.1	
					100' West
N		6.5		283.5	
cb		1.5		283.5	

+ π - Elev 72

289.99

1/4	6.6	283.4
2	6.6	283.4
+2	5.7	284.3
+6.5	6.5	283.5
1/4	8.0	282.0
+1	10.6	279.4
+2.5	10.7	279.3
+9	6.9	283.1
cb	6.3	283.7
S	7.2	282.8

110 West

S	7.7	282.3
cb	7.7	283.3
+9	8.6	281.4
+5	10.6	279.4
+6	10.5	279.5
1/4	8.0	282.0
+5	6.3	283.7
2	6.9	283.1
+3	7.6	282.4
1/4	7.3	282.7
cb	6.5	283.5
N	6.7	283.3

120 West

N	10.6	279.4
cb	10.8	279.2

+ π - Elev 72

289.99

1/4	11.4	278.6
+5	10.6	279.4
2	10.6	279.4
1/4	10.7	279.3
+0.5	13.6	276.4
+3	13.8	276.2
+5	10.9	279.1
cb	11.5	278.5
S	11.2	278.8

T.P. 910
8M. NW 8P.
8th and Univ

288.51

5.58

284.91

4.14

289.37

X Sections Alleys Block 5 C and 9
 Estadillo and Caprons Addition univ Wash

P.M. N.W. 8th and 9th
 8th Univ 4.93

289.31 Elev 289.38

0+00 = E. line of 8th St

S Top cb 5.4 284.17

Gutter 5.2 284.1

E 5.2 284.1

Gutter 5.3 284.0

N Top cb 5.29 284.07

0.5' East

N 5.4 283.9

E 5.4 283.9

+3 5.4 283.9

S 7.8 284.5

2.5' East

S 4.9 284.4

E 5.0 284.3

N 5.1 284.2

7.5' East

N 5.3 284.0

E 5.3 284.0

S 5.1 284.2

62' East Single Garage on South

1.5 Back Dirt floor 5.2 284.1

72' East Single Garage on South

1.5 Back Back Dirt floor 5.2 284.1

7.5' East

S 5.3 284.0

289.31

Elev

73

5.1 284.2

+5 5.2 284.1

N 5.9 283.9

100' East

N 5.0 284.3

E 5.2 284.1

S 5.1 284.2

112' East Single Garage on S.

1.2 Back Dirt floor 4.7 284.6

120' East. W. line of North and S. Alley

S 4.8 284.5

E 4.8 284.5

+7 4.8 284.5

N 5.0 284.3

140' East E. line of North and S. Alley

N 4.5 284.8

+0 4.9 284.4

E 4.6 284.7

+5 4.7 284.6

S 4.2 285.1

165' East

S 4.6 284.7

+6 4.8 284.5

E 4.6 284.7

N 4.9 284.9

182' E Single Garage on South

on line Dirt floor on E	4.6	284.7
Q	4.5	284.8
+5	4.8	284.5
N	4.5	284.8

191' East Single Garage on S

on line Dirt floor on E	4.8	284.5
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199' East Single Garage on S

on line dirt floor on E	4.8	284.5
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200

S	4.9	284.4
Q	4.9	284.4
+5	4.8	284.5
N	4.5	284.8

225' East

N	4.8	284.5
+7	4.7	284.6
Q	4.7	284.6
S	5.0	284.3

253' East

S	5.0	284.3
+3	4.9	284.4
+8	5.3	284.0
Q	5.0	284.3
N	4.8	284.5

260' East W line of 9th

This section on paving

N Top ob	5.05	284.26
Gutter	5.31	284.00
Q	5.50	283.81
Gutter	5.13	283.18
S Top ob	4.98	284.33

+ P.	5.86	290.17	5.00	284.31
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North line of East-West Alley = 00 of NS Alley

N	5.9	284.3
+3	5.6	284.6
Q	5.5	284.7
+7	5.7	284.5
E	5.9	284.8

25' North

E	4.8	285.4
+3	5.5	284.7
Q	5.4	284.8
N	5.4	284.8

94' North Single Garage on East

N	5.1	285.1
Q	5.4	284.8
E on line Dirt floor	5.1	285.1

57' North Single Garage on East

on line Concrete floor	5.14	284.91
+5	5.4	284.8
Q	5.4	284.8
N	5.3	284.9

75' North

W	5.3	284.9
+9	5.2	285.0
Z	5.3	284.9
E	5.1	285.1

95' North Single Garage on West

on line Dirt floor on 5.4 284.8

100' North

E	4.9	285.3
+6	5.1	285.1
Z	5.2	285.0
W	5.4	284.8

104 Single Garage on West

on line Dirt floor on 5.5 284.7

125' North

W	5.3	284.9
Z	5.3	284.9
+6	5.2	285.0
E	5.2	285.0

133' North Single Garage on W

on line Concrete floor on 5.38 284.79

136' North Single Garage on East

on line concrete floor 5.32 284.75

145' North Single Garage on West

on line Dirt floor 5.6 284.6

150' North

E	5.2	285.0
---	-----	-------

+5

Z

W

W

+5

Z

+9

E

E

+5

Z

W

W

Z

+7

E

T.P. 5.88 291.46

5.6

5.6

5.3

5.2

5.1

5.5

5.5

5.5

5.1

5.3

5.1

5.2

5.0

5.0

5.0

5.0

4.59

284.6

284.6

284.9

285.0

285.1

284.7

284.7

284.7

285.1

284.9

285.1

285.0

285.2

285.2

285.2

285.2

285.58 ✓

156' North Single Garage on West

on line concrete floor 5.95 284.68

175' North

190' North Single Garage on East

on line concrete floor 4.55 284.55

200' North

205' Mn Hole

Zepallex on line 5.2 285.05

225' North

291' North Single Garage on West

	1.2 Back concrete floor on	5.95	285.51
		250	
E		6.0	285.5
☿		6.1	285.4
W		6.1	285.4

158' North Garage on West

	on line dirt floor on	6.1	285.4
		275' North	
W		5.3	286.2
☿		5.9	285.6
E		5.8	285.7

287' North Garage on East

	0.5' Back Dirt floor on	5.8	285.7
		287' North	
E		5.7	285.8
☿		5.8	285.7
W		5.1	286.4

293' Single Garage on West

	0.5 in alley concrete floor	5.30	286.16
		296' North Single Garage on East	
	1.0 Back Dirt floor	5.5	286.0
		300' North	
W		5.4	286.1
☿		5.4	286.1
E		5.5	286.0

305' Single Garage on West

	0.4 in alley dirt floor on	5.2	286.3
		313' North	
E		5.4	286.1
☿		5.1	286.4
W		5.2	286.3

332' North Single Garage on West

	0.6 in alley concrete floor on	4.83	286.63
		349' North	
W		5.1	286.4
☿		5.1	286.4
E		5.3	286.2

370' North Single Garage on West

		5.4	286.1
E		5.7	285.8
☿		5.6	285.9
W		5.2	286.3
	0.4 in alley dirt floor	5.2	286.3

400' North

		6.1	285.4
W		6.0	285.5
☿		6.1	285.4
+		6.4	285.1
E		6.4	285.1

410 Mn-Hole

	☿ of alley on rim	5.92	285.54
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412 No. 74

E	6.6	284.9
+6	6.4	285.1
4	5.9	285.6
W	6.1	286.5

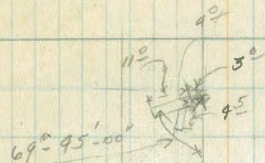
9-26 North S Line of Washington

W	6.4	285.1			
+8	6.5	285.0			
4	6.7	284.8			
E	6.7	284.8			
T.P	5.11	289.95	6.62	284.84	✓
B.M. Top F Hydrot			5.56	284.39	
S.E. Wash 28 th					

Blos
15/28

Survey to locate Caves at the North
End of Utah.

78



Caves are approximately
25x5
cave starts 3' SW of lot line 21

Lot 20 Lot 21

188
17

350'

10 20

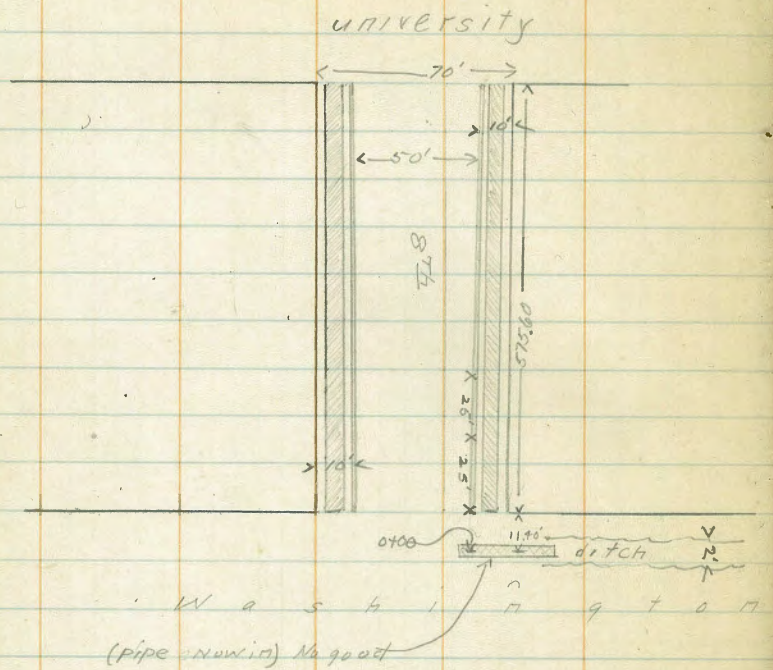
Copley

St

Utah

McLaugh

Location Culvert Washington + 8th



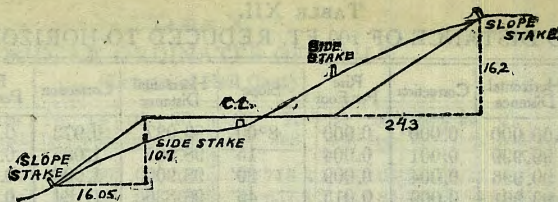
0+03' west	7.8	281.74
0+07 "	5.8	283.74
0+19' "	5.8	283.74
0+26 = Bottom of ditch by End of old pipe	9.2	280.34
0+50 West	9.3	280.24
0+75' West	9.5	280.04
1+00 West	10.1	279.44
1+20 West	10.2	279.34
1+30 West	13.8	275.74
1+40	18.0	271.54

Ditch about 2' wide at bottom

T.P. 6.87	289.16	7.25	282.29
T.P.		4.79	284.37
		B.M.	284.38
			.01

B.M. - NW.B.P. University + 8 th			284.38
T.P. 4.77		289.15	
T.P. 7.18	289.54	6.79	282.36
End of cb. on West -50'	7.92		281.62
" " " " " -25'	8.05		281.49
" " " " " "	8.19		281.35
" " " " " +7.5 (on dirt)	8.0		281.54
" " " " " +11.4	8.1		281.44

= 0+00 = old pipe now in



DISTANCES FROM SIDE STAKES FOR CROSS-SECTIONING.

SLOPE 1 1/2 TO 1. ROADWAY OF ANY WIDTH.

	0	.1	.2	.3	.4	.5	.6	.7	.8	.9	
0	0 00	0 15	0 30	0 45	0 60	0 75	0 90	1 05	1 20	1 35	0
1	1 50	1 65	1 80	1 95	2 10	2 25	2 40	2 55	2 70	2 85	1
2	3 00	3 15	3 30	3 45	3 60	3 75	3 90	4 05	4 20	4 35	2
3	4 50	4 65	4 80	4 95	5 10	5 25	5 40	5 55	5 70	5 85	3
4	6 00	6 15	6 30	6 45	6 60	6 75	6 90	7 05	7 20	7 35	4
5	7 50	7 65	7 80	7 95	8 10	8 25	8 40	8 55	8 70	8 85	5
6	9 00	9 15	9 30	9 45	9 60	9 75	9 90	10 05	10 20	10 35	6
7	10 50	10 65	10 80	10 95	11 10	11 25	11 40	11 55	11 70	11 85	7
8	12 00	12 15	12 30	12 45	12 60	12 75	12 90	13 05	13 20	13 35	8
9	13 50	13 65	13 80	13 95	14 10	14 25	14 40	14 55	14 70	14 85	9
10	15 00	15 15	15 30	15 45	15 60	15 75	15 90	16 05	16 20	16 35	10
11	16 50	16 65	16 80	16 95	17 10	17 25	17 40	17 55	17 70	17 85	11
12	18 00	18 15	18 30	18 45	18 60	18 75	18 90	19 05	19 20	19 35	12
13	19 50	19 65	19 80	19 95	20 10	20 25	20 40	20 55	20 70	20 85	13
14	21 00	21 15	21 30	21 45	21 60	21 75	21 90	22 05	22 20	22 35	14
15	22 50	22 65	22 80	22 95	23 10	23 25	23 40	23 55	23 70	23 85	15
16	24 00	24 15	24 30	24 45	24 60	24 75	24 90	25 05	25 20	25 35	16
17	25 50	25 65	25 80	25 95	26 10	26 25	26 40	26 55	26 70	26 85	17
18	27 00	27 15	27 30	27 45	27 60	27 75	27 90	28 05	28 20	28 35	18
19	28 50	28 65	28 80	28 95	29 10	29 25	29 40	29 55	29 70	29 85	19
20	30 00	30 15	30 30	30 45	30 60	30 75	30 90	31 05	31 20	31 35	20
21	31 50	31 65	31 80	31 95	32 10	32 25	32 40	32 55	32 70	32 85	21
22	33 00	33 15	33 30	33 45	33 60	33 75	33 90	34 05	34 20	34 35	22
23	34 50	34 65	34 80	34 95	35 10	35 25	35 40	35 55	35 70	35 85	23
24	36 00	36 15	36 30	36 45	36 60	36 75	36 90	37 05	37 20	37 35	24
25	37 50	37 65	37 80	37 95	38 10	38 25	38 40	38 55	38 70	38 85	25
26	39 00	39 15	39 30	39 45	39 60	39 75	39 90	40 05	40 20	40 35	26
27	40 50	40 65	40 80	40 95	41 10	41 25	41 40	41 55	41 70	41 85	27
28	42 00	42 15	42 30	42 45	42 60	42 75	42 90	43 05	43 20	43 35	28
29	43 50	43 65	43 80	43 95	44 10	44 25	44 40	44 55	44 70	44 85	29
30	45 00	45 15	45 30	45 45	45 60	45 75	45 90	46 05	46 20	46 35	30
31	46 50	46 65	46 80	46 95	47 10	47 25	47 40	47 55	47 70	47 85	31
32	48 00	48 15	48 30	48 45	48 60	48 75	48 90	49 05	49 20	49 35	32
33	49 50	49 65	49 80	49 95	50 10	50 25	50 40	50 55	50 70	50 85	33
34	51 00	51 15	51 30	51 45	51 60	51 75	51 90	52 05	52 20	52 35	34
35	52 50	52 65	52 80	52 95	53 10	53 25	53 40	53 55	53 70	53 85	35
36	54 00	54 15	54 30	54 45	54 60	54 75	54 90	55 05	55 20	55 35	36
37	55 50	55 65	55 80	55 95	56 10	56 25	56 40	56 55	56 70	56 85	37
38	57 00	57 15	57 30	57 45	57 60	57 75	57 90	58 05	58 20	58 35	38
39	58 50	58 65	58 80	58 95	59 10	59 25	59 40	59 55	59 70	59 85	39
40	60 00	60 15	60 30	60 45	60 60	60 75	60 90	61 05	61 20	61 35	40
41	61 50	61 65	61 80	61 95	62 10	62 25	62 40	62 55	62 70	62 85	41
42	63 00	63 15	63 30	63 45	63 60	63 75	63 90	64 05	64 20	64 35	42
43	64 50	64 65	64 80	64 95	65 10	65 25	65 40	65 55	65 70	65 85	43
44	66 00	66 15	66 30	66 45	66 60	66 75	66 90	67 05	67 20	67 35	44
45	67 50	67 65	67 80	67 95	68 10	68 25	68 40	68 55	68 70	68 85	45
46	69 00	69 15	69 30	69 45	69 60	69 75	69 90	70 05	70 20	70 35	46
47	70 50	70 65	70 80	70 95	71 10	71 25	71 40	71 55	71 70	71 85	47
48	72 00	72 15	72 30	72 45	72 60	72 75	72 90	73 05	73 20	73 35	48
49	73 50	73 65	73 80	73 95	74 10	74 25	74 40	74 55	74 70	74 85	49
50	75 00	75 15	75 30	75 45	75 60	75 75	75 90	76 05	76 20	76 35	50

Computed by L. Leland Locke.

357.68
6.44
351.24

372.5
SE Ohio Meado

119
30

C
0 /
0-20
0-40
1-0
1-20
1-40
2-0
2-20
2-40
3-0
3-20
3-40
4-0
4-20
4-40
5
6
7

To fin

75 75 10

75 15 45 50

20
12.6
7
47
743

14
10
9.8
33.6

11
130
6

12.5

130
6
47

12.9
6
52
240

18

9.7
6
3.0
1.1

12.9
5.1

10.7
5.3

297.38
7.14
290.24

16
150
160
333.1
499
128
49
778

1466.9
3433.1

44.62 Northport & Ebores
20.7
2/913

10.35