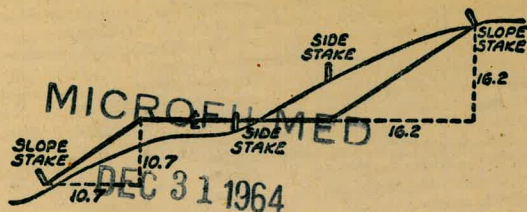


2104

1891



DISTANCES FROM SIDE STAKES FOR CROSS-SECTIONING
SLOPE 1 TO 1. ROADWAY OF ANY WIDTH

| | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | |
|----|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|----|
| 0 | 0.00 | 0.10 | 0.20 | 0.30 | 0.40 | 0.50 | 0.60 | 0.70 | 0.80 | 0.90 | 0 |
| 1 | 1.00 | 1.10 | 1.20 | 1.30 | 1.40 | 1.50 | 1.60 | 1.70 | 1.80 | 1.90 | 1 |
| 2 | 2.00 | 2.10 | 2.20 | 2.30 | 2.40 | 2.50 | 2.60 | 2.70 | 2.80 | 2.90 | 2 |
| 3 | 3.00 | 3.10 | 3.20 | 3.30 | 3.40 | 3.50 | 3.60 | 3.70 | 3.80 | 3.90 | 3 |
| 4 | 4.00 | 4.10 | 4.20 | 4.30 | 4.40 | 4.50 | 4.60 | 4.70 | 4.80 | 4.90 | 4 |
| 5 | 5.00 | 5.10 | 5.20 | 5.30 | 5.40 | 5.50 | 5.60 | 5.70 | 5.80 | 5.90 | 5 |
| 6 | 6.00 | 6.10 | 6.20 | 6.30 | 6.40 | 6.50 | 6.60 | 6.70 | 6.80 | 6.90 | 6 |
| 7 | 7.00 | 7.10 | 7.20 | 7.30 | 7.40 | 7.50 | 7.60 | 7.70 | 7.80 | 7.90 | 7 |
| 8 | 8.00 | 8.10 | 8.20 | 8.30 | 8.40 | 8.50 | 8.60 | 8.70 | 8.80 | 8.90 | 8 |
| 9 | 9.00 | 9.10 | 9.20 | 9.30 | 9.40 | 9.50 | 9.60 | 9.70 | 9.80 | 9.90 | 9 |
| 10 | 10.00 | 10.10 | 10.20 | 10.30 | 10.40 | 10.50 | 10.60 | 10.70 | 10.80 | 10.90 | 10 |
| 11 | 11.00 | 11.10 | 11.20 | 11.30 | 11.40 | 11.50 | 11.60 | 11.70 | 11.80 | 11.90 | 11 |
| 12 | 12.00 | 12.10 | 12.20 | 12.30 | 12.40 | 12.50 | 12.60 | 12.70 | 12.80 | 12.90 | 12 |
| 13 | 13.00 | 13.10 | 13.20 | 13.30 | 13.40 | 13.50 | 13.60 | 13.70 | 13.80 | 13.90 | 13 |
| 14 | 14.00 | 14.10 | 14.20 | 14.30 | 14.40 | 14.50 | 14.60 | 14.70 | 14.80 | 14.90 | 14 |
| 15 | 15.00 | 15.10 | 15.20 | 15.30 | 15.40 | 15.50 | 15.60 | 15.70 | 15.80 | 15.90 | 15 |
| 16 | 16.00 | 16.10 | 16.20 | 16.30 | 16.40 | 16.50 | 16.60 | 16.70 | 16.80 | 16.90 | 16 |
| 17 | 17.00 | 17.10 | 17.20 | 17.30 | 17.40 | 17.50 | 17.60 | 17.70 | 17.80 | 17.90 | 17 |
| 18 | 18.00 | 18.10 | 18.20 | 18.30 | 18.40 | 18.50 | 18.60 | 18.70 | 18.80 | 18.90 | 18 |
| 19 | 19.00 | 19.10 | 19.20 | 19.30 | 19.40 | 19.50 | 19.60 | 19.70 | 19.80 | 19.90 | 19 |
| 20 | 20.00 | 20.10 | 20.20 | 20.30 | 20.40 | 20.50 | 20.60 | 20.70 | 20.80 | 20.90 | 20 |
| 21 | 21.00 | 21.10 | 21.20 | 21.30 | 21.40 | 21.50 | 21.60 | 21.70 | 21.80 | 21.90 | 21 |
| 22 | 22.00 | 22.10 | 22.20 | 22.30 | 22.40 | 22.50 | 22.60 | 22.70 | 22.80 | 22.90 | 22 |
| 23 | 23.00 | 23.10 | 23.20 | 23.30 | 23.40 | 23.50 | 23.60 | 23.70 | 23.80 | 23.90 | 23 |
| 24 | 24.00 | 24.10 | 24.20 | 24.30 | 24.40 | 24.50 | 24.60 | 24.70 | 24.80 | 24.90 | 24 |
| 25 | 25.00 | 25.10 | 25.20 | 25.30 | 25.40 | 25.50 | 25.60 | 25.70 | 25.80 | 25.90 | 25 |
| 26 | 26.00 | 26.10 | 26.20 | 26.30 | 26.40 | 26.50 | 26.60 | 26.70 | 26.80 | 26.90 | 26 |
| 27 | 27.00 | 27.10 | 27.20 | 27.30 | 27.40 | 27.50 | 27.60 | 27.70 | 27.80 | 27.90 | 27 |
| 28 | 28.00 | 28.10 | 28.20 | 28.30 | 28.40 | 28.50 | 28.60 | 28.70 | 28.80 | 28.90 | 28 |
| 29 | 29.00 | 29.10 | 29.20 | 29.30 | 29.40 | 29.50 | 29.60 | 29.70 | 29.80 | 29.90 | 29 |
| 30 | 30.00 | 30.10 | 30.20 | 30.30 | 30.40 | 30.50 | 30.60 | 30.70 | 30.80 | 30.90 | 30 |
| 31 | 31.00 | 31.10 | 31.20 | 31.30 | 31.40 | 31.50 | 31.60 | 31.70 | 31.80 | 31.90 | 31 |
| 32 | 32.00 | 32.10 | 32.20 | 32.30 | 32.40 | 32.50 | 32.60 | 32.70 | 32.80 | 32.90 | 32 |
| 33 | 33.00 | 33.10 | 33.20 | 33.30 | 33.40 | 33.50 | 33.60 | 33.70 | 33.80 | 33.90 | 33 |
| 34 | 34.00 | 34.10 | 34.20 | 34.30 | 34.40 | 34.50 | 34.60 | 34.70 | 34.80 | 34.90 | 34 |
| 35 | 35.00 | 35.10 | 35.20 | 35.30 | 35.40 | 35.50 | 35.60 | 35.70 | 35.80 | 35.90 | 35 |
| 36 | 36.00 | 36.10 | 36.20 | 36.30 | 36.40 | 36.50 | 36.60 | 36.70 | 36.80 | 36.90 | 36 |
| 37 | 37.00 | 37.10 | 37.20 | 37.30 | 37.40 | 37.50 | 37.60 | 37.70 | 37.80 | 37.90 | 37 |
| 38 | 38.00 | 38.10 | 38.20 | 38.30 | 38.40 | 38.50 | 38.60 | 38.70 | 38.80 | 38.90 | 38 |
| 39 | 39.00 | 39.10 | 39.20 | 39.30 | 39.40 | 39.50 | 39.60 | 39.70 | 39.80 | 39.90 | 39 |
| 40 | 40.00 | 40.10 | 40.20 | 40.30 | 40.40 | 40.50 | 40.60 | 40.70 | 40.80 | 40.90 | 40 |
| 41 | 41.00 | 41.10 | 41.20 | 41.30 | 41.40 | 41.50 | 41.60 | 41.70 | 41.80 | 41.90 | 41 |
| 42 | 42.00 | 42.10 | 42.20 | 42.30 | 42.40 | 42.50 | 42.60 | 42.70 | 42.80 | 42.90 | 42 |
| 43 | 43.00 | 43.10 | 43.20 | 43.30 | 43.40 | 43.50 | 43.60 | 43.70 | 43.80 | 43.90 | 43 |
| 44 | 44.00 | 44.10 | 44.20 | 44.30 | 44.40 | 44.50 | 44.60 | 44.70 | 44.80 | 44.90 | 44 |
| 45 | 45.00 | 45.10 | 45.20 | 45.30 | 45.40 | 45.50 | 45.60 | 45.70 | 45.80 | 45.90 | 45 |
| 46 | 46.00 | 46.10 | 46.20 | 46.30 | 46.40 | 46.50 | 46.60 | 46.70 | 46.80 | 46.90 | 46 |
| 47 | 47.00 | 47.10 | 47.20 | 47.30 | 47.40 | 47.50 | 47.60 | 47.70 | 47.80 | 47.90 | 47 |
| 48 | 48.00 | 48.10 | 48.20 | 48.30 | 48.40 | 48.50 | 48.60 | 48.70 | 48.80 | 48.90 | 48 |
| 49 | 49.00 | 49.10 | 49.20 | 49.30 | 49.40 | 49.50 | 49.60 | 49.70 | 49.80 | 49.90 | 49 |
| 50 | 50.00 | 50.10 | 50.20 | 50.30 | 50.40 | 50.50 | 50.60 | 50.70 | 50.80 | 50.90 | 50 |

Distance of slope stake from side or shoulder stake for any width roadway, slope 1 to 1. If ground is nearly level, the cut or fill at side stake is located by the double entry method in left column and top row. The number in body of table in same row and column gives distance from side stake to slope stake. If ground is not level estimate the difference in elevation between the side stake and slope stake, lower target by this amount if cut, elevate if fill. Add this amount to cut or fill and find distance in table. Set up rod at this point, and line of sight should cut target. If it does not make the slight adjustment necessary.

INDEXED

to page # 50

except page # 36 to 38,

100 60
45 58
50 22

Index

Page

- P. 1-12 Wabash Sewer
change near Broadway
- 18-20 Cross Section Alloys Blk 65 E. W. Moroccos
- 21-28 " " Talbot St Harbor View to Armada Terr
- 29-30 Relocation 15' Sewer Wabash Blvd + Wabash Ave
- 31-35 Relocation 12' Sewer Wabash Blvd + 38th St.
- 43-52 - REED AVE. - Mission Blvd. to Bayard St.
- 52-55 South of Commercial bet. 19th + 20th, location prop. drain
- 56-59 Kurtz St. - location proposed sewer
- 42 Loca. Sewer Alley - Sherman St to
Houston, to Kurtz
Pl. 277- & 339
- Encroachments
- 60 - Houston at Hancock
- 65 - X-See Landis, rule to Wabash Ave
- 61 - Topog Blk 12 - Univ. Hts, n. of meade

Wabash Freeway
Location of
Sewer change
Pickwick N.Y.

Moore
Bc99
Crawford
4/20/50

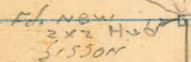
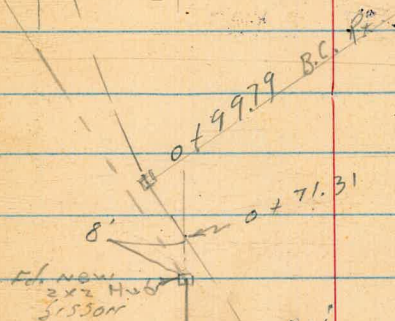
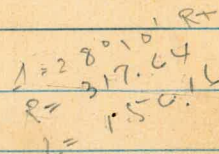
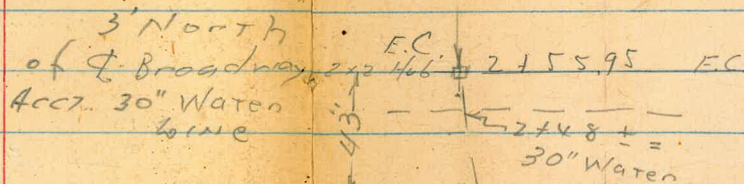
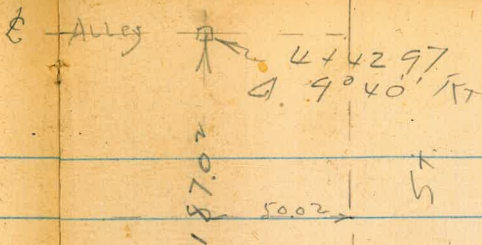
INDEXED
MAY 15 1950

Set 2x2 Hub's

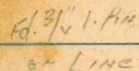
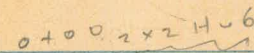
1438.8

1477.9

2416.9

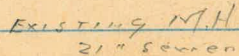


27°45'



42.7

Pickwick



35.75

* Chisel + near S. edge Pav on Federal

- 4.4

edge new
to Hanneb

37

101.53

101.48.30
150' 8" L

8 + 26.82
 $\Delta = 22^{\circ} 03'$ Rt

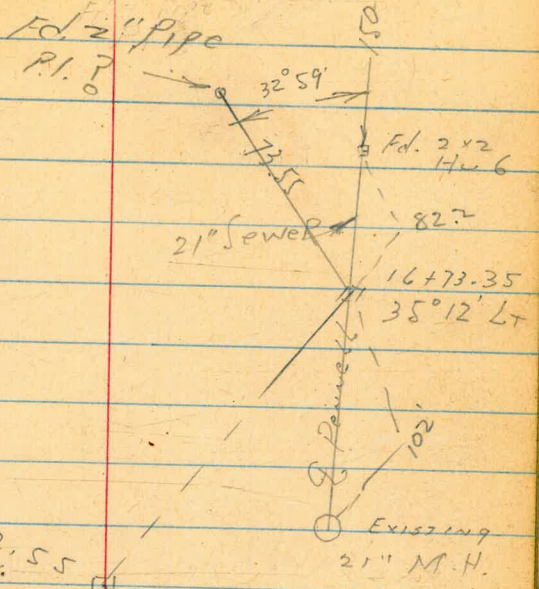
12

Existing 21" M.H.

Alley 2 x 2

4 + 12.97
 $9^{\circ} 40'$ Rt

Existing
M.H. 5
21" Sewer 5



15+62.55
1938
R

Sly "A" ST.



10+48.80
15° 18' LT

Sewer Levels (wabash)

24169

57.2
57

14779

57.4
50

TP 53' 62.37 0.95 57.05

62.37

14388

55.6
2.4

019979 BCR

54.5
3.5

0150

53.5
4.5

0400

53.1
4.9

0-427 Ex S.M.H. & Pickwick St

52.47 44.27
5.53 13.73
R.M. F.L.

NWBP (13) 5800 51.87
Federal
and
3575

58.00

6

+50

5

TP. 834 67.16 358 58.82

4+42.97 Δ 90° 40' R

4

+50

3

2+55.95 B.S.

2+48 = Int. 30" Con. Water Line

62.37

68.7
6.5

7.7

60.3
6.9

59.8
7.4

67.16

58.8
3.6

58.1
4.3

57.9
4.5

57.3
5.1

57.4
5.0

57.6

El. Bot. outside 4.8 grooved
30" Pipe 49.5 ±

62.37

T.P. 1009 7243 4.8v (2.3x)

9+50

61.8
5.4
,

9+00

61.2
6.0

8+50

62.0
5.2
,

8+20 8v 1 22°03' R

1.93
10.75
12.68

60.7
6.5
,

65.23
1.93
1.4
RIM

54.48
12.68
1.4
FL
EX
MAH

8

59.9
7.3
,

7+50

60.6
6.6
,

7+00

61.7
5.5
,

6+90

63.2
4.0
,

6+50

61.1
6.1
,

67.6

67.6

8

R

8
8

12+50

12

150

11+00

10+80

10+48.8 A 15° 18' LT

10+25

10+00

72.43
m

LT

Φ

RT

9
9

70.1
23

10

69.8
26

69.6
28

9
edge
cut

64.1
8.3

15

63.9
8.5

28
in chan

69.4
3.0

10

68.8
36

68.6
3.8

10
edge
cut

63.2
9.2

15

63.2
9.2

in chan

68.9
3.5

10

68.2
42

68.2
4.2

6
edge
cut

62.4
10.0

11

62.3
10.1

22

66.8
5.6

10

66.6
58

66.6
5.8

3
edge
chan.

61.6
10.8

9

61.6
10.8

20

in chan.

66.3
4.1

12

66.4
60

edge
chan.

61.2
11.2

6

61.4
11.0

20

in chan.

65.8
6.6

12

65.6
6.8

3
TOP
Bank
chan

62.3
10.1

3

60.8
11.6

3

60.9
11.5

13

in chan.

10

64.0
8.4

7
edge
chan.

60.4
2.0

7 in chan.

62.5
9.9

62.0
10.4

59.9
12.5

6
10
edge channel
chan.

72.43
m

15

70.7
4.7
10

70.7
4.7

70.8
4.6
7

68.3
7.1
11

67.9
7.5
25

+50

70.6
4.8
10

70.3
5.1

70.3
5.1
9

67.6
7.8
14

67.2
8.2
25

14

70.2
5.2
10

69.8
5.6

70.0
5.4
10

66.8
8.7
15

66.4
9.0
30

+50

69.2
6.2
10

69.3
6.1

69.3
6.1
11

65.9
9.5
16

65.8
9.6
30

13

68.6
6.8
10

68.5
6.9

68.6
6.8
11

64.7
10.7
16

64.6
10.8
30

Edge
cut

chan.

12+67

68.1
7.3

TP.

1124

75.35

832

64.11

75.35

72.43

Existing M.H. 102' S of 16+73.35

16+73.35 Int. 21" Sewer
35° 12' LT

16+40

16+00

+84

+80

T.P. 583 77.16 40' 71.33

15+62.55 Δ 19° 38' R7 on SPLIT

15+25

75.35

LT

R

R7

11

76.36 64.49
1.80 12.67
RINA FL

72.2
5.0

70.6 70.6 71.5
6.6 6.6 5.7
in chan, 10 in chan 10' edge

71.5 70.2 70.1 69.6
5.7 7.0 7.1 7.6
8 5 102' in chan.

70.2
7° edge chan.

71.5
5.7 TOP CUT BANK

77.16

72.0 71.4 71.4 69.4 69.0
3.2 4.0 4.0 6.0 6.4
10 5 9 25

71.2 71.3 71.5 68.8 68.4
4.2 4.1 3.9 C.L 7.0
10 6 10 25

75.35

check to Orig BNA C23 51.88 51.87

T.P. 183 58.11 7.65 56.28

T.P. 304 63.93 4.10 61.91

T.P. 470 66.01 9.47 61.31

T.P. 090 70.78 10.21 69.88

| | | |
|--------|-------|-------|
| 79.6 | 79.36 | 68.61 |
| 2.5 | 0.73 | 11.48 |
| ground | RM | F.G. |

Ex. M.H. 232.2 N of 16+73.35

80.09

T.P. 6.85 80.09 3.92 73.24

77.16

T.P. on 2" pipe P.I.?
73.55 LT of 16+73.35

X-Sect. 20' "T" Alley - in Block 65
 - E.W. Morse - Sub. for Grade est.

4392

INDEXED

6-1-50

W.O. 25020

JUN 12 1950

F. Osborne
 Hardin
 Hatch
 Shepard.

Begin X-Sect. of N. & S. Alley.

Reduced 6-12-50
 JmT

0+00 = N.L. E. st.

0-10 = end. cbs.

0-20 = N. c.b.

B.M.

6.14

188.45

151

182.31

7.77

183.82

176.05 = N.E. B.P.

- 28 ± + C

| | 1819 | 1818 | 1922 | 1846 | 1870 |
|--|---------|--------|--------|--------|---------|
| | 6.6 | 6.7 | 6.3 | 3.9 | 1.5 |
| | 10 | | 6 | 10 | 15 |
| | 178.65 | 1803 | 1804 | 1818 | 18092 |
| | 9.80 | 8.2 | 8.1 | 6.7 | 7.53 |
| | 10.1 | 10.1 | | 9.8 | 9.8 |
| | Top-end | Dirt | | Dirt | Top-end |
| | cb | | | cb | cb |
| | 174.02 | 1730 | 1784 | 178.95 | 179.77 |
| | 14.43 | 15.5 | 9.97 | 10.1 | 9.50 |
| | 50 | 50 | 10 | 10 | 10 |
| | Top | gut | Top | gut | Top |
| | | | 2 Rad. | (Dirt) | |
| | 188 | 45 | | | |
| | 8.68 | 7.70 | 7.29 | 6.44 | 5.09 |
| | 10 | Top | 25 | 25 | 60 |
| | gut | 2 Rad. | gut | Top | gut |
| | | | | | Top |
| | | | | | 183.36 |
| | | | | | 184.10 |

Lt. # Rt. 14 74

1+96 - 15.5' Rt. = Nly of House - Conc. found.

1+59.92 = N.L. Alley.

Set B.M. = Spike in Pole # PA.2830 223 191.04

1+39.82 = S.L. of E.+W. Alley Prod.

1+38.4 - 10.1 Rt. = end. Grav. Conc. found.

1+18.4 - 10.2' Rt. = Beg. Grav. - Dirt floor - Opens to S.

T.P. 5.50 193.27 0.68 187.77

0+00

0+50

0+25

L

R

Rt.

15

15

1893

191.70

1798

1881

1887

1882

4.0

157

15.5
ground.

15.5
Floor

13.5
22

5.2
10

4.6

4.4
10

1802

1883

1883

1886

13.1
22

5.0
10

5.0

4.7
10

1882

189.62

5.1

3.65

10.2
Bottom of
Found.

10.2 - Top
found

193.27

1700

1863

1868

1874

1878

8.5
20

2.2
10

1.7

1.1
10

0.7
15

1826

1846

1850

1857

1862

188.13

5.9
20

3.9
10

3.5

2.8
10

2.3
15

0.32

4.5
Conc. walk
along Court.

1839

1841

1849

1860

1875

4.6
10

4.4

3.6
7

2.5
10

1.0
15

188.45

2+13.65 = S. cb. = end.

on Lt. = Rods on edge - cbs. are on S.L.
Note: Conc. Pave is 0.4' ahead on Rt. + 0.9' ahead

2+99.65 = S.L. Broadway - end wall at cb.

2+93 = 10' Rt. = Beg. Conc. wall

2+80

T.P. 0.69 180.96 13.00 180.27

2+65

2+40

2+00

| | | | | | | | | |
|--------|--------|---------|--------|--------|--------|--------|--------|--------|
| 168.98 | 168.36 | 171.33 | 170.81 | 171.57 | 172.39 | 172.94 | 174.80 | 175.30 |
| 11.98 | 12.60 | 9.63 | 19.15 | 9.39 | 8.57 | 8.02 | 6.16 | 5.66 |
| 40 | 40 | Top | 10 | | 10 | Top | 40 | 40 |
| Top | g-t | 2' Rad. | g-t | | g-t | 2' Rad | g-t | Top |

| | | | | |
|--------|---------------|---------------|---------------|--------|
| 171.53 | 171.48 | 171.88 | 172.97 | 173.17 |
| 9.43 | 9.48 | 9.08 | 7.99 | 7.79 |
| 10.1 | 10.1 | 10.1 | 10.1 | 10.1 |
| Top | g-t | g-t | g-t | Top |
| cb. | = 0.9' ahead. | = 0.6' ahead. | = 0.4' ahead. | |

| | | | | |
|------|------|------|------|----------|
| 1786 | 1751 | 1742 | 1752 | 177.43 |
| 2.4 | 5.9 | 6.3 | 5.8 | 3.53 |
| 10 | 6 | | 10 | 10 |
| | | | | Top wall |

| | | | | | |
|------|------|------|------|------|------|
| 1790 | 1782 | 1774 | 1778 | 1862 | 1882 |
| 2.0 | 2.3 | 3.6 | 3.2 | 5.7 | 7.2 |
| 20 | 10 | | 5 | 10 | 20 |

| | | | | | | |
|------|------|--------|-------|-------|-------|-------|
| 1792 | 1792 | 180.96 | 181.8 | 182.3 | 185.5 | 186.9 |
| 14.1 | 14.0 | 11.5 | 11.0 | 7.8 | 6.4 | |
| 20 | 10 | | 5 | 10 | 20 | |

| | | | | | |
|------|------|------|------|------|------|
| 1805 | 1850 | 1858 | 1860 | 1869 | 1872 |
| 12.8 | 8.3 | 7.5 | 7.3 | 6.4 | 5.6 |
| 20 | 10 | | 6 | 10 | 20 |

| | | | |
|------|------|--------|------|
| 1804 | 1875 | 1876 | 1880 |
| 12.9 | 5.8 | 5.7 | 5.3 |
| 20 | 10 | | 10 |
| | | 193.27 | |

Begin Sections of E. + W. Alley.

0+70- 8.7 Lt. = ± 10' Conc. apron - Sing. Gar. - Conc. floor

0+64- 13.4 Rt. = ± Sing. Gar. - Dirt floor

0+56- 7.7 Lt. = ± 9' Conc. apron to Sing. Gar. Conc. floor.

0+53- 13.4 Rt. = ± Sing. Gar. - Dirt floor

0+44- 11.7 Lt. = ± 3' Conc. walk

0+35- 13.3 Rt. = ± 3' Conc. walk

0+28- 13.4 Rt. = ± Sing. Gar. - Conc. floor

0+12.4 - 11.1 Rt. = Cor. of Gar. - shown on N. + S. Alley

0+09- 10.1 Lt. = ± 3' Conc. walk

0+00 = E.L. of N. + S. Alley See sketch

B.M. 4.22 195.26 191.04

Lt. Rt. 17
17

190.54 190.34 190.0 190.0 190.0
4.72 4.92 5.3 5.3 5.3
10.9 8.7 10 13.4
floor apron

190.54 190.31 189.2
4.72 4.95 5.4
11.5 7.7 13.4
floor apron floor

190.17 190.21 190.0 190.0
5.09 4.99 5.3 13.4
20 11.7 floor
walk

190.3 190.1 190.1 190.2 190.21 190.15
5.0 5.2 5.2 5.1 5.06 5.11
15 10 10 10 13.3 12
walk walk

189.81 189.61 190.20 190.20 190.20 190.20 190.20 190.20 190.20
5.45 5.65 5.06 5.06 5.06 5.06 5.06 5.06 5.06
15 10.1 floor floor floor floor floor floor floor floor floor
walk

188.9 188.7 188.6
6.4 6.6 6.7
10 10

198.26

- spike in Pole - P. ?

2+20
 2+18.5 - 12.2 Rt. = end apron
 2+02 - 12.2 Rt. = Beg. Conc. apron - to Doub. Gar.
 T.P. 2.85 192.41 5.70 189.56

1+99 - 12.2 Rt. = end apron
 1+80 - 12 Rt. = Beg. Conc. apron to Doub. Gar. - Conc. floor
 1+67 - 8.2 Lt. = Sing. Gar - Dirt floor

4+40
 1+34 - 12.4 Rt. = Sing. Gar - Dirt floor
 1+24.5 - 11 Rt. = end apron
 1+02.7 - 11.1 Rt. = end wall + Beg. Conc. apron to Doub. Gar. - Conc. floor

1+00
 0+92 - 10.7 Lt. = 2' Conc. walk
 0+74 - 11 Rt. = Beg. 4' Brick wall along 6' Conc. walk fence on wall

Lt. 1906 1892 1891 1893 1887 Rt.
 1.8 2.7 3.3 3.1 3.7
 20 10 10 20 20
 188.78 3.66 188.83
 3.63 12.2 2.58
 apron floor
 192.41

189.88 5.38 12.2 apron
 1913 1905 1903 18994 190.04
 4.0 4.8 5.0 5.32 5.22
 10 10 10 12 20.2
 4.2 8.2 floor floor
 floor. Gar.

1902 1904 190.1
 4.5 4.9 5.2
 10 10
 190.09 5.2
 5.17 12.4
 11 = apron floor.

190.07 190.29 190.29
 5.19 4.97 4.97
 11.1 11.1 15.7
 apron Top wall Gar.
 floor.
 190.1 190.1 190.1
 5.1 5.2 5.2 5.2 4.97
 10 10 11.1 11.1
 Top wall

190.34 190.24 190.0 190.33 189.87 189.82
 4.92 5.02 5.3 4.93 5.39 5.44
 15 10.7 walk walk
 195.26 ground Top wall walk

T.P. 3.18 182.59 13.00 179.41

3+80-9.8' Lt. = Beg. Gar. open on 29th - Conc. floor

3+65.3 = Sewer M.H. 9.12 on Right

3+60

3+53-13' Rt. = Conc. apron to Sing. Gar.

3+50-9.7' Lt. = end sheds

3+30

3+21-11.5' Rt. = Conc. apron to Sing. Gar.

3+00

2+66-10.1' Rt. = end apron
chicken sheds. - Dirt floor

2+62-7.8' Lt. = end Apron + Beg. Row of

2+50-10.3' Rt. = Beg. Conc. apron to Doub. Gar.

1+25.3-7.7' Lt. = Beg. 2' Conc. apron to Sing. Gar.
Continues along Bldg.

| LT | RT |
|------------|-------|
| 181.87 | 181.5 |
| 10.54 | 10.9 |
| Top found. | 9.8 |
| 182.9 | 182.4 |
| 10.4 | 10.0 |
| 10 | 15 |

| | | | | |
|-------|-------|-------|-------|-------|
| 183.2 | 183.6 | 183.7 | 183.7 | 184.9 |
| 9.2 | 8.8 | 8.7 | 8.7 | 8.4 |
| 15 | 10 | 10 | 15 | 15 |

184.6

7.8
9.7
at Gar.

185.6

6.8
9.7
along shed

185.9

6.5
5

185.8

6.6

185.5

6.9
10

185.2

6.7
15

8.16
13
apron

8.09
16.9
floor
Gar.

186.33

6.08
11.5
apron

186.43

5.98
15.5
floor

186.9

5.5
9.6
along shed

187.4

5.0
5

187.2

5.2
10

187.2

5.2
10

188.40

4.01
10.1
apron

188.90

3.61
9.9
at Bldg.

188.73

3.68
7.8
apron

188.1

4.3

189.3

4.1
10

189.39

3.02
9.7
floor Gar.

189.29

3.12
7.7
apron

188.39

4.02
10.3
apron

188.51

3.90
13.6
floor

192.41

Lt E Rt

3.14 183.04 = S.W.

T.P. 7.02 186.18 3.43 179.16

4+10.39 = w. cb. Line = end.

= 9.9 Lt = end Gar.

4+00.39 = w.l. 29th - Dirt - Rough graded.

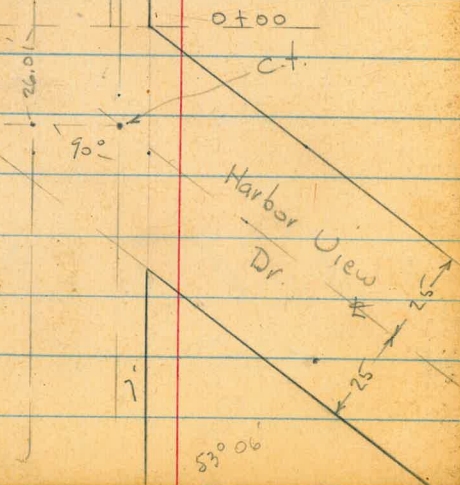
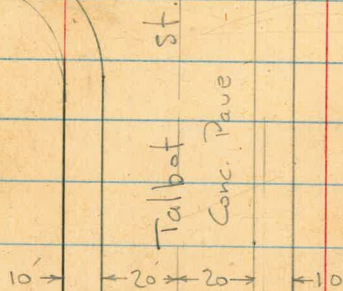
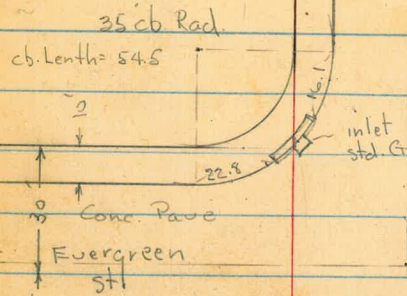
BP. - 29th + Broadway - No Elev. in Book

| | | | | |
|------|------|------|------|------|
| 1788 | 1772 | 1776 | 1775 | 1770 |
| 3.8 | 4.9 | 5.0 | 5.1 | 5.6 |
| 50 | 10 | | 10 | 50 |

| | | | | | | | | |
|------|-------|--------|------|------|------|------|------|------|
| 1794 | 1795 | 180.05 | 1786 | 1788 | 1800 | 1792 | 1903 | 1807 |
| 3.2 | 3.07 | 2.54 | 4.0 | 3.8 | 3.6 | 2.9 | 2.3 | 1.9 |
| 50 | floor | 9.9 | 9.9 | | 7 | 10 | 15 | 50 |
| | Gar. | Top | | | | | | |
| | | found. | | | | | | |

182.59

INDEX
JUN 12 1950

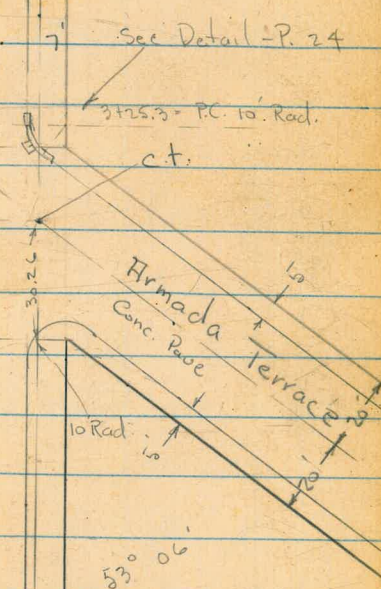


Talbot St
Conc. Pav

3+19.17

2+69.15

10' → ← 20' → 20' → ← 10'



X-Section - Talbot - from Harbor View
to E. of Armada Terr. - for
Drainage - Conc Pav. + Curbs in:

INDEXED
MR
JUN 12 1950

0+94 = Brk. in cb. on Rt.

| | | | | | | | |
|---------|-------|-------|-------|-------|-------|-------|-------|
| 52.62 | 51.85 | 51.62 | 51.76 | 51.75 | 52.00 | 52.20 | 52.18 |
| 9.76 | 10.53 | 10.52 | 10.62 | 10.63 | 10.38 | 10.08 | 9.50 |
| 29.1 | 29.1 | 20 | 10 | | 10 | 20 | |
| Top | cut | | | | | cut | Top |
| on Ret. | | | | | | | |

0+69.6 = P.C. 35 Red. Ret. on Lt.

| | | | | | | |
|-------|-------|-------|-------|-------|-------|-------|
| 52.92 | 52.22 | 53.91 | 53.64 | 52.01 | 52.40 | 52.16 |
| 7.46 | 8.16 | 8.41 | 8.54 | 8.31 | 7.98 | 7.22 |
| | 19.9 | 10 | | 10 | 20 | |
| Top | cut | | | | cut | Top |
| P.C. | | | | | | |

0+50

| | | | | | | |
|-------|-------|-------|-------|-------|-------|-------|
| 56.65 | 55.92 | 55.75 | 55.63 | 55.90 | 56.30 | 56.91 |
| 5.73 | 6.46 | 6.63 | 6.75 | 6.48 | 6.08 | 5.47 |
| Top | 19.9 | 10 | | 10 | 20 | |
| | cut | | | | cut | Top |

0+20.3 = opp. P.C. of cb. Return on Rt.

| | | | | | | |
|-------|-------|-------|-------|-------|-------|-------|
| 58.26 | 58.68 | 58.55 | 58.45 | 58.69 | 59.00 | 58.59 |
| 3.12 | 3.80 | 3.83 | 3.93 | 3.69 | 3.38 | 2.79 |
| Top | 19.9 | 10 | | 10 | 20 | |
| | cut | | | | cut | Top |

0+00 = opp. Prop. Cor. Harbor View.

| | | | | | | | |
|-------|-------|-------|---------|-------|-------|-------|-------|
| 61.12 | 60.39 | 60.22 | 60.18 | 60.48 | 60.89 | 61.03 | 61.65 |
| 1.26 | 1.99 | 2.16 | 2.20 | 1.90 | 1.49 | 1.35 | 0.73 |
| Top | 19.9 | 10 | | 10 | 20 | 24.2 | 24.2 |
| | cut | | | | | cut | Top |
| | | | 62.38 ✓ | | | | |

B.M. 10.61 62.38 ✓

^{10.6} 51.77 = N.W.
(No RECORD)

B.P. Talbot + Evergreen

Lt. ± Rt.

1+34.3

| | | | | | | | | | |
|-------|-------|-------|-------|-------|-------|-------|-------|--------------|-------|
| 50.59 | 50.44 | 50.27 | 49.96 | 49.96 | 49.87 | 49.88 | 50.03 | 50.22 | 50.58 |
| 2.25 | 2.40 | 2.57 | 2.88 | 2.89 | 2.97 | 2.96 | 2.81 | 2.62 | 1.96 |
| 75 | 55 | 40 | 29 | 20 | 10 | | 15 | 20.1 gut. | Top |

1+24.26 Cont.

| | |
|-------|-------|
| 51.14 | 50.99 |
| 1.74 | 1.85 |
| 75 | 55 |

1+24.26 = ± ± of Evergreen - 18.1 ± Sewer M.H.

| | | | | | | | | |
|-------|------------|-------|-----------------------|-------|-------|-------|--------------|-------|
| 50.53 | 50.22 | 50.25 | 50.21 | 50.24 | 50.25 | 50.43 | 50.12 | 51.35 |
| 2.31 | 2.62 | 2.59 | 2.67 | 2.60 | 2.59 | 2.39 | 2.12 | 1.49 |
| 40 | 29 gut. | 20 | 18.1 Sewer M.H. | 10 | | 10 | 20.2 gut. | Top |

w. cb. - from PC on

1+06.8 - Extra shots on edge of 2.5' Gutter along

| | | | |
|-------|-------|---------------------------|-------|
| 51.34 | 51.14 | 50.85 | 51.04 |
| 1.50 | 1.70 | 1.89 | 1.80 |
| 70 | 55 | 49 gut. PC. (cross) | 45 |

T.P. 1.07 52.84 ✓ 10.61 51.77 ✓

52.84 ✓

1+14.3

| | | | | | | | | | | |
|-------|-------|-------|--------------|-------|-------|-------|-------|-------|--------------|-------|
| 51.32 | 51.13 | 50.90 | 50.71 | 50.64 | 50.60 | 50.57 | 50.65 | 50.86 | 51.21 | 51.07 |
| 11.06 | 11.25 | 11.48 | 11.67 | 11.74 | 11.78 | 11.81 | 11.73 | 11.52 | 11.17 | 10.51 |
| 75 | 55 | 40 | 33.5 gut. | 30 | 20 | 10 | | 10 | 20.1 gut. | Top |

Value Cap

1+14.4 - 10.8 Lt. = ± 4" Gas 11.80

50.54

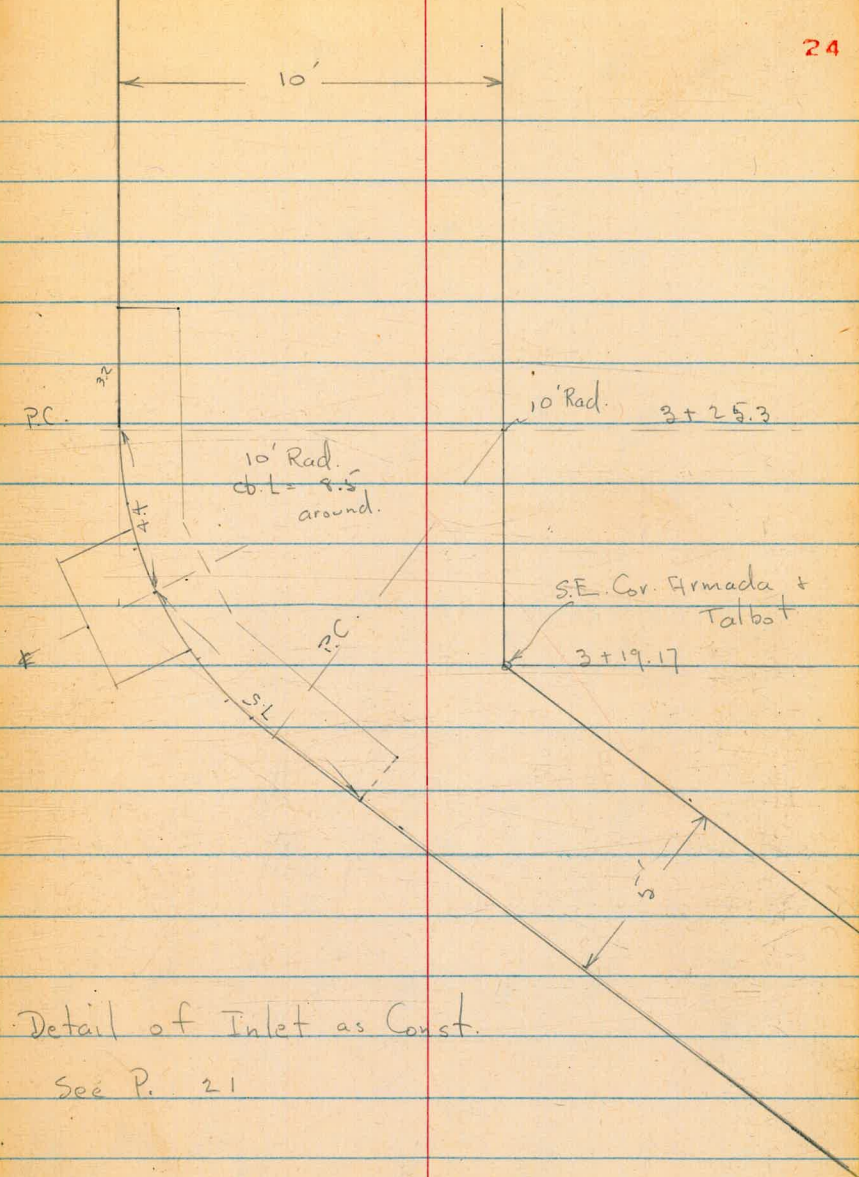
1+04.3 = w. cb. Evergreen

| | | | | | | | | |
|------------|------------|-------|-------|-------|-------|-------|-------|---------------------|
| 51.83 | 51.75 | 51.77 | 51.08 | 51.08 | 51.12 | 51.39 | 51.29 | 52.37 |
| 10.55 | 10.63 | 11.43 | 11.21 | 11.30 | 11.30 | 11.26 | 10.99 | 10.01 |
| 70 gut. | 70 gut. | 55 | 55 | 30 | 20 | 10 | 10 | 20.1 gut. Top |

62.38 ✓

Rods around N.E. Return - Talbot + Evergreen
with Std. "G" Inlet - See Sketch - P. 21

| | 52.84 = T | | |
|---|-----------|-------|---------|
| on E. cb. Evergreen 20' N. of P.C. | 249 | 50.35 | T = Top |
| | 305 | 49.79 | q = gut |
| P.C. 35' Rad. Ret. | 266 | 50.18 | T |
| | 316 | 49.68 | q |
| 15.5' around = Bk. in <small>Pass.</small> | 276 | 50.08 | T |
| | 328 | 49.56 | q |
| 22.8' = end opening | 275 | 50.09 | T |
| | 362 | 49.22 | q |
| 30.55' = Inlet + 35' Grate | 298 | 49.86 | T |
| = grate | 383 | 49.01 | q |
| 17' out = edge of Grate at # | 371 | 49.13 | |
| T.E. of Box | 888 | 43.96 | |
| 28.4' = end opening | 347 | 49.37 | T |
| | 424 | 48.60 | q |
| 54.5' = E.C. | 459 | 48.25 | T |
| | 532 | 47.52 | q |



2+50

| | | | | | | |
|-------|-------|-------|-------|-------|-------|-------|
| 43.77 | 43.07 | 42.88 | 42.78 | 42.85 | 42.91 | 43.45 |
| 9.07 | 9.77 | 9.96 | 10.06 | 9.99 | 9.93 | 9.19 |
| | 20 | 10 | | 10 | 20 | |
| Top | gut. | | | | gut. | Top |

2+25

| | | | | | | |
|-------|-------|-------|-------|-------|-------|-------|
| 43.84 | 44.64 | 44.51 | 44.38 | 44.45 | 44.61 | 45.24 |
| 7.50 | 8.20 | 8.33 | 8.46 | 8.39 | 8.23 | 7.60 |
| | 19.9 | 10 | | 10 | 20 | |
| Top | gut. | | | | gut. | Top |

2+00

| | | | | | | |
|-------|-------|-------|-------|-------|-------|-------|
| 46.89 | 46.19 | 46.03 | 45.99 | 46.12 | 46.33 | 46.90 |
| 5.95 | 6.65 | 6.91 | 6.85 | 6.72 | 6.51 | 5.94 |
| | 20 | 10 | | 10 | 20.1 | |
| Top | gut. | | | | gut. | Top |

1+79.3 = opp P.C. on Lt.

| | | | | | | |
|-------|-------|-------|-------|-------|----------------------|-----------|
| 48.25 | 47.52 | 47.47 | 47.43 | 47.47 | 47.60 | 48.31 |
| 4.59 | 5.32 | 5.37 | 5.41 | 5.37 | 5.24 | 4.53 |
| | 19.9 | 10 | | 10 | 20 | 25.7 |
| Top | gut. | | | | gut. Dr. 2 from end. | edge walk |

1+64.3

| | | | | | | | |
|-------|-------|-------|-------|-------|-------|-------------|-------|
| 49.32 | 48.64 | 48.55 | 48.44 | 48.02 | 48.46 | 48.56 | 49.29 |
| 3.52 | 4.20 | 4.29 | 4.40 | 4.42 | 4.38 | 4.28 | 3.55 |
| 23.7 | 23.7 | 20 | 10 | | 10 | 20 | 25.7 |
| Top | gut. | | | | | gut. in Dr. | walk |

1+57-14.9 Lt. = St Drain M.H.

48.90
3.94

on Rim

1+54.3

| | | | | | | | |
|-------|-------|-------|-------|-------|-------|-------|-------|
| 49.03 | 49.18 | 49.19 | 49.06 | 49.06 | 49.11 | 49.22 | 49.58 |
| 2.81 | 3.66 | 3.65 | 3.78 | 3.79 | 3.73 | 3.62 | 2.96 |
| 30.9 | 30.9 | 20 | 10 | | 10 | 20 | Top |
| Top | gut. | | | | | gut. | |

1+44.3

| | | | | | | | | | | | |
|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 50.35 | 49.79 | 50.18 | 49.68 | 49.49 | 49.70 | 49.60 | 49.52 | 49.42 | 49.58 | 49.70 | 50.37 |
| 2.49 | 3.05 | 2.66 | 3.16 | 3.15 | 3.14 | 3.24 | 3.32 | 3.39 | 3.26 | 3.14 | 2.47 |
| 75 | 75 | 55 | 55 | 40 | 29 | 20 | 10 | | 10 | 20 | Top |
| Top | gut. | Top | gut. | | gut. | | | | | gut. | |

52.84 ✓

Lt. # Rt.

3+13

| | | | | | | | |
|-------|--------|-------------------------|--------|--------|--------|--------------|-------------|
| 399.5 | 399.27 | 399.06 | 399.00 | 399.23 | 399.55 | 399.96 | 406.00 |
| 3.35 | 4.03 | 4.24 | 4.30 | 4.07 | 3.75 | 3.34 | 2.70 |
| Top | got | 1.9 on 14" Gas Valve | | 10 | 20 | 29.9 got. | 29.9 Top |

3+00

| | | | | | | | |
|-------|--------------|-------|-------|-------|-------|----------------------|-------|
| 40.74 | 40.10 | 39.88 | 39.76 | 39.94 | 40.23 | 40.53 | 40.65 |
| 2.56 | 3.20 | 3.42 | 3.54 | 3.36 | 3.07 | 2.77 | 2.65 |
| Top | 20.1 got. | 10 | | 10 | 20 | 30 on Water Valve | 40 |

2+85

| | | | | | | | | |
|-------|------------|-------|-------|-------|-------|-------|-------|-----------------|
| 41.65 | 40.96 | 40.79 | 40.68 | 40.79 | 41.02 | 41.17 | 41.51 | 41.82 |
| 1.65 | 2.34 | 2.51 | 2.62 | 2.51 | 2.28 | 2.13 | 1.99 | 1.48 |
| Top | 20 got. | 10 | | 10 | 20 | 30 | 42 | 18.5 along + |

2+71 Cont.

see sketch P. 21 for Ties to prop.

| | | | |
|--------------|---------------------|--------------|--------------|
| 41.44 | 41.97 | 41.61 | 42.31 |
| 1.86 | 1.33 | 1.69 | 0.99 |
| 35.8 got. | 35.8 TOP P.C. | 15.5 got. | 10.99 TOP |

15.5 along d.
These shafts and opp.

2+71 = opp. E.C. (on w.cb. of Armada)

| | | | | | | | | | |
|-------|------------|-------|-------|-------|-------|------------|-----------|------------|-----------|
| 42.50 | 41.79 | 41.66 | 41.49 | 41.54 | 41.75 | 41.59 | 42.16 | 41.47 | 42.09 |
| 0.80 | 1.51 | 1.64 | 1.81 | 1.76 | 1.55 | 1.71 | 1.12 | 1.83 | 1.21 |
| Top | 20 got. | 10 | | 10 | 20 | 24 got. | 24 Top | 24 got. | 24 Top |

1/2 way
2 E. on Ret.

± Armada

T.P. - 1'ct. 2.90 43.30 ✓ 12.44 40.40 ✓

43.30 ✓

2+63.1 = opp. P.C. of 10' Rad. Ret. on S.W. Cor.

| | | | | | | | | |
|-------|------------|-------|-------|-------|------------|-------|-------------|--------------|
| 42.10 | 42.41 | 42.16 | 42.00 | 42.03 | 42.16 | 42.79 | 42.25 | 42.55 |
| 9.74 | 10.43 | 10.68 | 10.84 | 10.81 | 10.68 | 10.06 | 10.59 | 11.29 |
| Top | 20 got. | 10 | | 10 | 20 got. | Top | 45.1 Top | 45.1 got. |

52.84 ✓

cb. of Armada

Rods around S.E. Return - with "G" Inlet.
Armada + Talbot.

43.30 - T

PC. = 3+25.3 on Talbot Sta. - See P. 24

3.2' E. of PC. = end of opening 3.92 39.38 T

4.74 38.56 9

4.4' W. of PC. = E of Inlet 3.42 39.88 T

= on grate 4.28 39.02 9

1.7' out = edge of Grate 4.21 39.09

I.E. of Box 11.88 31.42

11.9' W+S. = end of opening 2.90 40.40 T

11.5' 3.75 39.55 9

17.5' around from PC = Brk 2.68 40.62 T

3.23 40.07 9

35' 2.32 40.98 T

2.79 40.51 9

6 l.l. - along cb. = 1.84 41.46 T

opp. other shots on P. 26 2.37 40.93 9

Lt

#

Rt.

27

27

4+50 = end

4+25

4+18 - 15'

Lt. = ± St. Drain M.H.

32.50

10.80

on Rim

4+00

3+76 = ± 5" Drain in Lt. cb.

35.28
8.02
I.E. of Drain

3+75

3+73 = ± 6" Drain in cb on Lt.

35.46
7.84
I.E. Drain

3+50

3+30

3+21 = opp ± Inlet

3+20.8 - 5.2 Lt. = ± Sewer M.H.

38.51

4.79

on Rim

| | Lt | ± | Rt |
|-----------|-------|--------|-------|
| 31.30 | 30.51 | 30.46 | 30.34 |
| 12.00 | 12.79 | 12.84 | 12.96 |
| 25.6 | 19.9 | 10 | 10 |
| edge walk | 9.4 | in Dr. | |
| | | | 30.61 |
| | | | 12.69 |
| | | | 10 |
| | | | 30.80 |
| | | | 12.50 |
| | | | 19.9 |
| | | | 9.4 |
| | | | 31.46 |
| | | | 11.84 |
| | | | Top |

| | | | | | | |
|-------|-------|-------|-------|-------|-------|-------|
| 32.82 | 32.16 | 32.00 | 31.94 | 32.15 | 32.37 | 33.14 |
| 10.48 | 11.14 | 11.30 | 11.36 | 11.15 | 10.93 | 10.16 |
| Top | 9.4 | 10 | | 10 | 19.9 | Top |
| | | | | | 9.4 | |

| | | | | | | |
|-------|-------|-------|-------|-------|-------|-------|
| 34.34 | 33.75 | 33.57 | 33.50 | 33.71 | 34.00 | 34.12 |
| 8.96 | 9.55 | 9.73 | 9.80 | 9.53 | 9.30 | 8.58 |
| Top | 20 | 10 | | 10 | 20 | Top |
| | 9.4 | | | | 9.4 | |

| | | | | | | |
|-------|-------|-------|-------|-------|-------|-------|
| 35.99 | 35.26 | 35.09 | 35.07 | 35.34 | 35.68 | 36.36 |
| 7.31 | 8.04 | 8.21 | 8.23 | 7.96 | 7.62 | 6.94 |
| Top | 20 | 10 | | 10 | 20 | Top |
| | 9.4 | | | | 9.4 | |

| | | | | | | |
|-------|-------|-------|-------|-------|-------|-------|
| 37.15 | 36.74 | 36.12 | 36.66 | 36.97 | 37.32 | 37.96 |
| 5.85 | 6.56 | 6.58 | 6.64 | 6.33 | 5.98 | 5.34 |
| Top | 20.1 | 10 | | 10 | 20 | Top |
| | 9.4 | | | | 9.4 | |

| | | | | | | |
|-------|-------|-------|-------|-------|-------|-------|
| 38.82 | 38.14 | 37.94 | 37.99 | 38.25 | 38.49 | 39.28 |
| 4.48 | 5.16 | 5.36 | 5.31 | 5.05 | 4.81 | 4.02 |
| Top | 20 | 10 | | 10 | 20 | Top |
| | 9.4 | | | | 9.4 | |

| | | | | | | | |
|-------|-------|-------|-------|-------|------------|-------|-------|
| 39.39 | 38.70 | 38.59 | 38.57 | 38.80 | 39.06 | 39.06 | 39.88 |
| 4.11 | 4.60 | 4.71 | 4.79 | 4.50 | 4.24 | 4.24 | 3.42 |
| Top | 20 | 10 | | 10 | 19.1 | 21 | Top |
| | 9.4 | | | | edge grate | 9.4 | cb. |

43.30 ✓

REDUCED 6-14-50 TRK

Relocation 15" Sewer Habash Blvd.

And Habash Ave.

Levels next page

5+21.40
Δ 20° 46' RT

INDEXED

JUN 28 1950

95.20
51° 37'

185+16.92 BCR
Left Lane

Quince

Proposed Street

Habash Blvd Left Lane

0+00
Δ 9° 14' LT

Existing 15" Sewer

EXISTING

Quince

SEWER MH.
5101

Indicates
Existing Sewer Man Hole

June 26-50

F. Sisson
Rorer
Chavez

29
29

Redwood

FC 48
157° 48'

74.50
Δ 27° 28' RT

Proposed Street

Habash Blvd Left Lane

5+21.40
Δ 20° 46' RT

95.20
51° 37'

10+21.15 Existing

Redwood

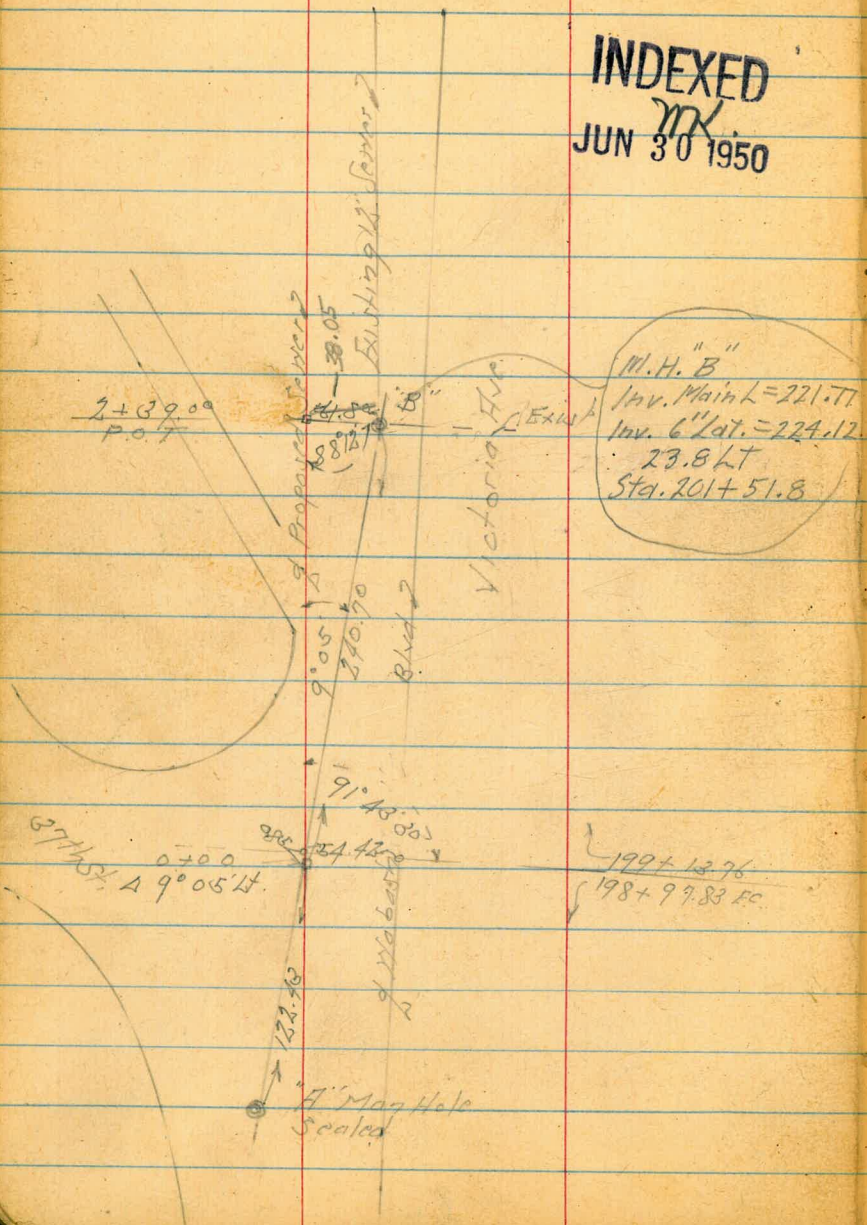
Levels Re Location 15" Section
 Habas's Blvd + Habas's Riv.
 Sketch Page 29

| BM | 1294 | 192.93 | 179.99 | 120.4 | 181.56 | 202.64 | | |
|--------|------------------------------|-------------|--------|--------|-----------|---------|------------------------------|--------------|
| 0+0 | Exist MH | | 189.1 | 179.99 | Rim | 6+07.85 | pt of 2-1/4 Power Pole | # 9 2002.2 |
| " | " | | 185.4 | 177.5 | Ground | +30 | | 58 197.8 |
| " | " | | 204.4 | 172.49 | Floodline | +50 | | 65 197.1 |
| +50 | " | | 15.1 | 177.8 | | 7+0 | | 55 198.1 |
| 1+0 | " | | 18.3 | 179.6 | | 7+50 | | 4.39 199.3 |
| +10 | 12' ht of 2- Fly Power Pole | # 5 195.4 | | | | +63 | 65' ht of 2- 1" Avocado Tree | |
| +50 | " | | 12.6 | 180.3 | | +73 | 90' ht of 2- 6" " " | |
| +91 | 140' ht of 2- Out of MH RCP | 10.40 182.5 | | | FL | 8+0 | | 40 199.6 |
| 2+0 | " | | 10.90 | 182.0 | | +05 | 6' ht of 2- 7' Fig Tree | |
| +50 | " | | 9.6 | 183.3 | | TP | 803 202.73 | 794 195.70 |
| 3+0 | " | | 8.4 | 184.5 | | +20 | | 4.3 199.4 |
| +50 | " | | 7.5 | 185.4 | | +60 | | 10.6 193.1 |
| +73 | 140' ht of 2- Fly Power Pole | # 9 200.6 | | | | 9+0 | | 8.8 194.9 |
| 4+0 | " | | 5.3 | 187.7 | | +40 | | 7.8 195.9 |
| +50 | " | | 27 | 190.2 | | +75 | | 8.1 195.6 |
| TP | 110.5 | 202.64 | 084 | 192.59 | | 10+0 | | 7.1 196.6 |
| 5+0 | " | | 8.1 | 195.5 | | +21.15 | Exist MH | 6.5 197.2 |
| +21.15 | " | | 4.80 | 198.8 | 020.6 | " | " | 2.30 200.43 |
| +50 | " | | 5.0 | 198.6 | | " | " | 11.88 191.85 |
| 6+0 | " | | 4.5 | 199.1 | | BM | | 13.33 200.40 |

Ground
 Rim
 Floodline
 4" Disc
 15" MH
 Habas's Riv.

Re Location 12" Trunk Server
 Nabash Blvd. 38th + Myrtle Ave.

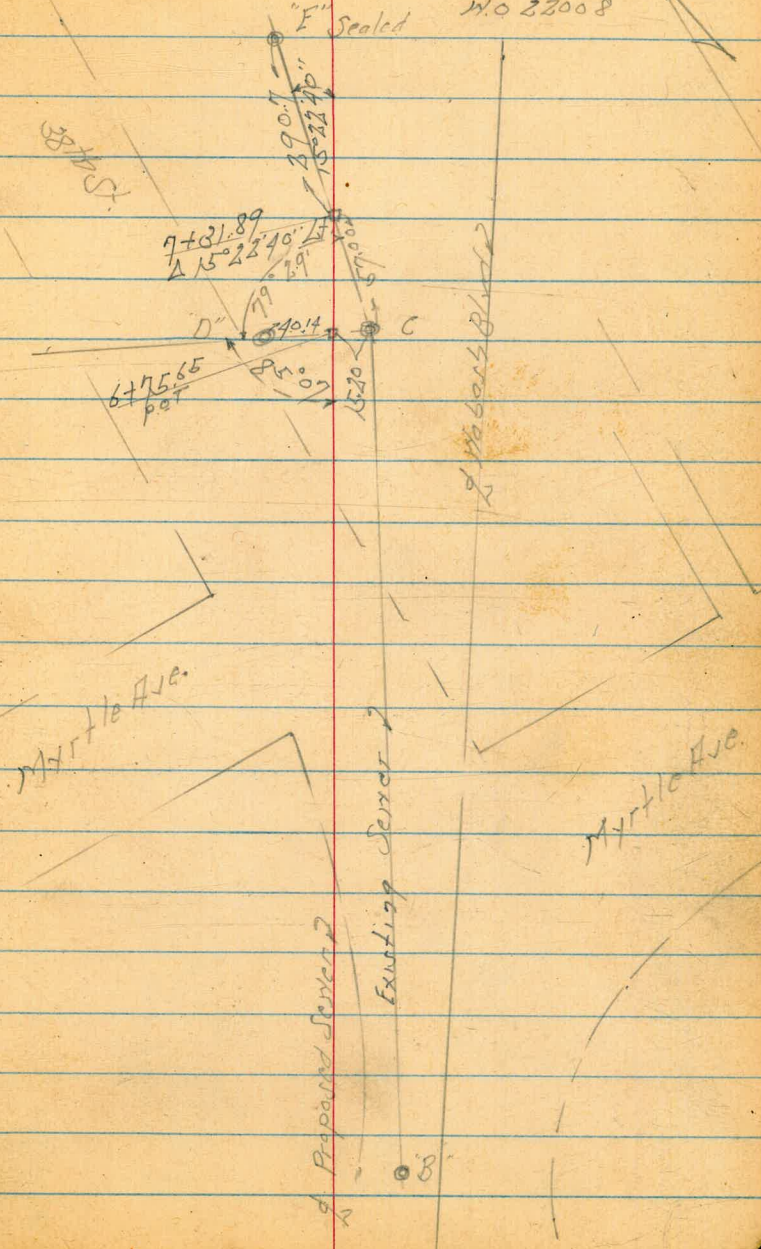
INDEXED
 JUN 30 1950



Indicator
 Existing Server
 Man Hole

June 29. 50
 H.S. Woz
 Rorer
 Chavez
 M.O. 22008

31



4+0

+50

3+0

"B" Man Hole

TP 12.87 245.88 1.81 233.01

+50

2139.00

234.32

Lt 2 Pt

233.8
12.1
6.0 = E.H.H
Channel

236.4
9.5

235.8
10.1
6.0 = Top

232.3
12.6
6.0 = E.H.H
Channel

235.7
10.2

234.7
11.2
6.0 = Top

230.9
15.0
6.0 = E.H.H
Channel

234.0
11.9

233.0
12.9
6.0 = Top

237.60
8.28
6.18 = Rim
221.48
24.10
6.18 = Fly
Side

245.88

229.0
5.3
6.0 = E.H.H
Channel

222.0
7.0

232.5
1.8

232.0
7.4
6.5 = Top

229.0
5.3
6.0 = E.H.H
Channel

231.7
7.0

232.4
6.9

231.4
7.9
6.0 = Top
Fly

234.32

BM

574 244.52
207 MH
125' H
205+80
244.52

+7565

TP

8.76

250.26

438

241.50

+150

640

+150

540

4450

245.88

Lt.

pt.

34

34

236.94 244.52 241.5 241.5 244.2 247.76 232.49
1332 574 8.8 8.8 15.0 15.0 17.77
40.14 Fl 40.14 MUD 40.14 R.M. 8.8-Top Fill 15.0 on Slope 15.0 on Slope 15.2 Flow Line

250.26

240.6

240.7

243.0

5.3
40'-EXHBD
Channel

5.2
7.9
Fill

2.9
40.2 Slope

239.0

241.1

240.9

6.9
30'-EXHBD
Channel

4.8
50'-Top

237.4

241.5

240.5

8.5
4'-EXHBD
Channel

1.1
5.0
5.0=Top

236.8

238.9

238.7

9.1
4'-EXHBD
Channel

7.0
7.0=Top

234.5

237.5

237.2

11.4
8.0
8.0=EXHBD
Channel

8.4
8.7
4.0=Top
Fill

245.88

Lt

Z

R+

+31.89 = L 15° 22' 40" Lt

7+0

250.26

243.0

70
65.0

243.0

70

243.2

70
70 = Top of Hill

242.3

80
65.0

242.3

80

242.3

80
40 = Top of Hill

250.26

87

37

Location Encroachments

Alley Blk 2

Mulker

Pl. 277

Pope

P. 28807

11-24-58

HO 20644

Ref: 2481-B
Map 518

Handy Street

INDEXED

NOV 27 1950

A Subdivision of Pueblo Lot 277
Map No. 518

1739

0.7

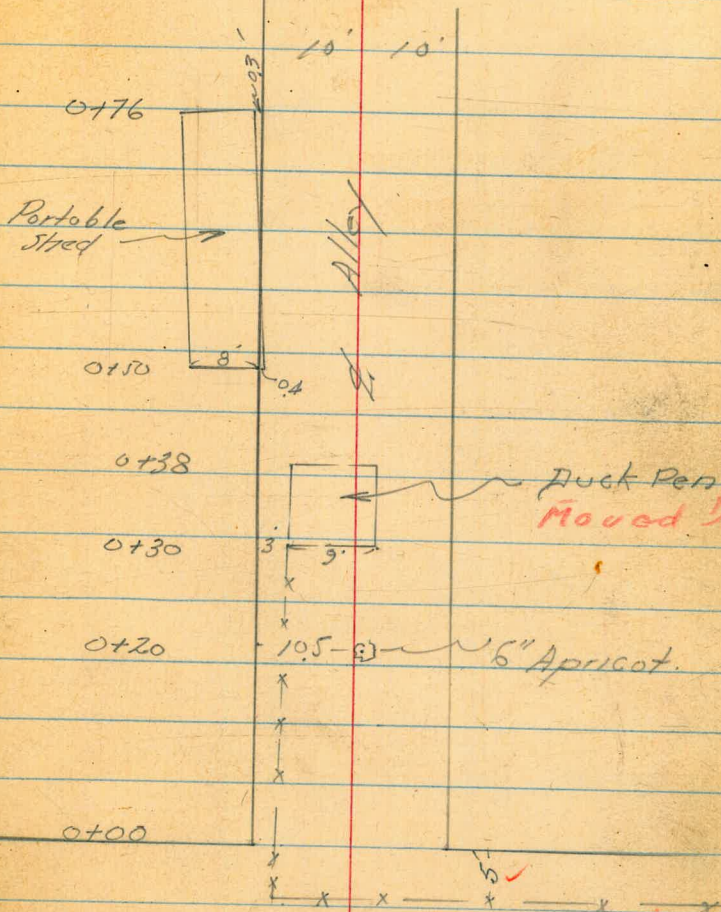
to Pole

Fence

39

1.100

10'



Wire Fence

FB. 1587

Sherman

Alley Blk 2 R/L 277

2+39.1

6' x 10.5'

Fruitie
Shed

16.3'

2+25

Fd. Pipe

2+13

x x x x Fence

2+00

1+75

Fd. Pipe

1+65

6' x 10'

Chicken Shed

1+51

x x Fence x x

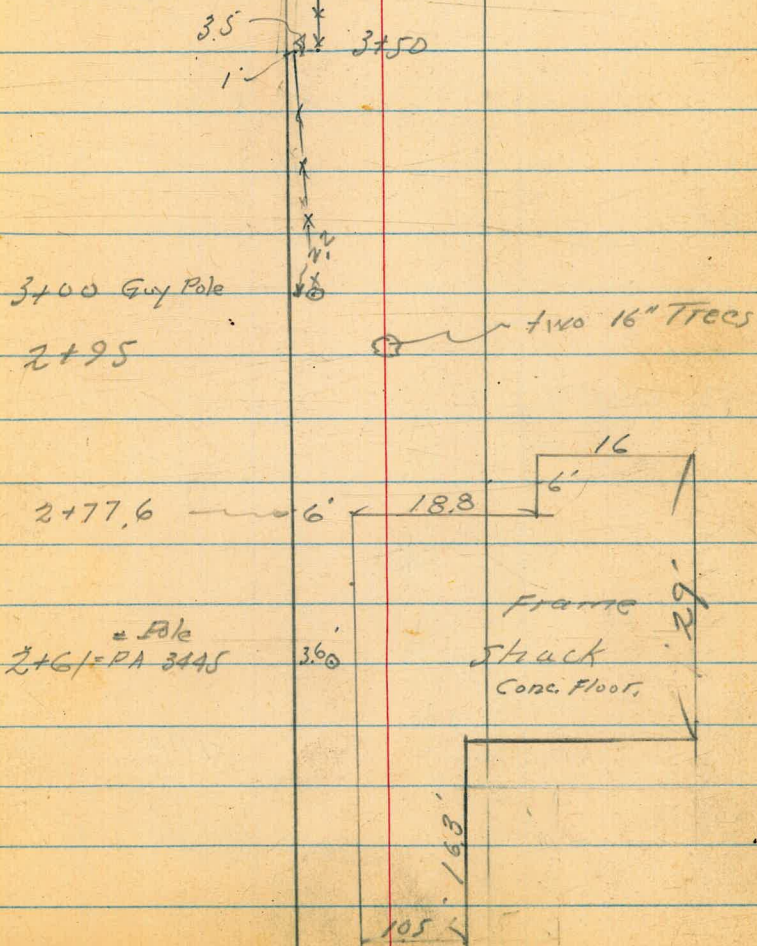
1+39

Pole # PA 3425

2.07

Alley BIK. 2 PL. 277

41



Encroachments

Alley Blk 2 Pl. 277

INDEXED

42

SEP 24 1951

Houston St. Pole #P-3774

6+16.5 — 67' — 5' Board Fence
6+15'

6+00

Fd. Pipe
RE 2058

Fd. Pipe
RE 2058

FB 1587

+ P-24

5+50 ✓

See F.B. 1587-1

Fd. Pipe
RE 2058

5+85 ✓

Walker says
stations correct

5' — Ornamental
Tree

5+65.5 ✓

5' Wood Fence

Kenny St.

Alley

Fd. Pipe

131.92

10' 10'

4+50

Fd. Pipe

Levels Reed St.

Mission Blvd. to Bayard

With Self-Reading Rod.

0+02.8 End Conc Paving on Rt.

0.88
20.2

0+01.4 Edge Conc Paving

0.90

Req Conc. Slab for Service Station

0+00 End Cb & Paving on Lt.

| | | | | | | | | |
|------|------|------|------|------|--------|-----|-----|------|
| 1.37 | 1.42 | 1.34 | 0.72 | 0.86 | 0.80 | 0.9 | 0.9 | 0.90 |
| 40 | 27.5 | 20 | 20 | | 20.9 | 30 | 40 | 48 |
| | | Cb | G | | Paving | | | Cb |

0-06.3 End Cb on Rt.

| | |
|------|------|
| 0.64 | 1.04 |
| 22.3 | 22.3 |
| G | Cb |

0-10 East Cb Line Mission Blvd.

| | | | | | | | | | | |
|------|------|------|------|------|------|------|------|------|------|------|
| 1.44 | 0.94 | 1.27 | 0.69 | 0.65 | 0.57 | 0.48 | 0.42 | 0.97 | 0.11 | 0.65 |
| 80 | 80 | 30 | 30 | 20 | | 20 | 30 | 30 | 80 | 80 |
| Cb | G | Cb | G | | | G | Cb | G | | |

0-40 E Mission Blvd.

| | | | | | | |
|------|------|------|------|------|------|------|
| 1.78 | 1.54 | 1.48 | 1.39 | 1.31 | 1.24 | 1.04 |
| 90 | 40 | 20 | | 20 | 40 | 90 |

B17

3.04

NEBP Thomas & Mission Blvd.

Reed St. Cont'd. from p. 44

0+88 East line of Conc Drain on Rt.

| | | | | |
|------------------|------------------|------------------|------------------|------------------|
| -1 ³⁴ | -1 ³² | -0 ⁷⁷ | -1 ²² | -0 ⁵⁴ |
| 20 | 22 | 22 | 40 | 40 |
| G | G | G | | |

0+84 C of Drain

| | | | | | | | |
|-----------------|-----------------|-----------------|----------------|----------------|----------------|------------------|------------------|
| 1 ²¹ | 1 ⁰⁶ | 0 ⁵⁰ | 0 ² | 0 ² | 0 ⁴ | -1 ³⁴ | -1 ⁵² |
| 40 | 29.6 | 19.9 | 12 | 13 | 20 | | 40 |

0+80 West line of Conc Drain on Rt.

| | | | | |
|------------------|------------------|------------------|------------------|------------------|
| -1 ³² | -1 ³² | -0 ⁸⁰ | -1 ²⁶ | -0 ⁵⁸ |
| 20 | 22 | 22 | 40 | 40 |
| G | G | G | G | G |

0+78 B.C. 2' Radius for Conc Drain on R.

| | |
|------------------|------------------|
| -1 ³² | -0 ⁷⁴ |
| 20 | 20 |
| G | G |

0+50

| | | | | | | | |
|-----------------|-----------------|-----------------|----------------|----------------|----------------|----------------|----------------|
| 1 ²⁴ | 1 ²⁰ | 0 ⁸² | 0 ³ | 0 ² | 0 ¹ | 0 ⁰ | 0 ⁸ |
| 40 | 28.4 | 19.9 | 11 | | 20 | 30 | 40 |

0+10

| | | | | | |
|-----------------|-----------------|-----------------|----------------|----------------|----------------|
| 1 ³² | 1 ²⁸ | 1 ¹¹ | 1 ³ | 1 ¹ | 0 ⁸ |
| 40 | 27.5 | 19.9 | | 20 | 40 |

Reed St. Contd.

1+55

$\frac{1}{40} \frac{0.8}{30} - \frac{0.2}{20} \frac{0.0}{12} - \frac{0.2}{12} - \frac{0.6}{20} - \frac{0.8}{20} - \frac{0.4}{20}$
G Cb

1+47 $\frac{1}{2}$ 12' Conc Dr. on Rt.

$-\frac{0.96}{20} - \frac{0.27}{31} - \frac{0.24}{36}$

1+174 End Conc. Slab on Rt.

$\frac{1.26}{40} \frac{1.03}{29.5} \frac{0.40}{19.9}$

1+00

$\frac{1.5}{40} \frac{0.97}{29.3} \frac{0.42}{19.9} \frac{0.2}{12} - \frac{0.2}{15} - \frac{0.8}{20} - \frac{1.0}{20} - \frac{0.70}{20}$
G Cb

0+94 $\frac{1}{2}$ 9' Conc Drive on Rt.

$-\frac{1.22}{20} - \frac{0.65}{31} - \frac{0.50}{33}$

0+90 EC 2' Radius

$-\frac{1.33}{20} - \frac{0.79}{20}$
G Cb

Reed St. Cont'd.

£

47

47

2+89.8 Beg Ch. & SW. on Lt.

$0^{\frac{98}{36}}$ $0^{\frac{95}{30.7}}$ $0^{\frac{92}{20}}$ $0^{\frac{0}{20}}$
SW SW Ch G

2+50

$0^{\frac{2}{40}}$ $0^{\frac{1}{22}}$ $-0^{\frac{3}{19}}$ $0^{\frac{1}{12}}$ $0^{\frac{2}{10}}$ $0^{\frac{1}{20}}$ $-0^{\frac{2}{20}}$ $0^{\frac{15}{20}}$
G G

2+44 £ 10' Conc. Dr. on Rt.

$-0^{\frac{65}{20}}$ $0^{\frac{19}{31}}$ $0^{\frac{21}{36}}$

2+15

$0^{\frac{2}{40}}$ $0^{\frac{5}{22}}$ $-0^{\frac{2}{19}}$ $0^{\frac{1}{12}}$ $0^{\frac{1}{10}}$ $-0^{\frac{1}{20}}$ $-0^{\frac{5}{20}}$ $-0^{\frac{06}{20}}$
G G

T.P.

10.07

2+00

$1^{\frac{5}{40}}$ $1^{\frac{5}{22}}$ $-0^{\frac{2}{20}}$ $0^{\frac{1}{12}}$ $0^{\frac{0}{10}}$ $-0^{\frac{3}{12}}$ $-0^{\frac{5}{20}}$ $-0^{\frac{18}{20}}$
G G

1+94 £ 10' Conc. Dr. on Rt.

$-0^{\frac{74}{20}}$ $-0^{\frac{11}{31}}$ $-0^{\frac{09}{36}}$

Reed St. Cont'd.

48
48

192
60

3+62.2 ± West Line Alley

| | | | | | | | | | |
|-----|----|----|----|----|----|----|-----------------|-----------------|-----------------|
| 206 | 14 | 17 | 17 | 13 | 19 | 14 | 18 ⁶ | 19 ⁶ | 20 ¹ |
| 20 | 20 | 10 | | 10 | 20 | 25 | 25 | 40 | 40 |
| Ch | G | | | | | G | Ch | Av. | Ch |

3+57.2 BC 5' Alley Ret

| | |
|----|-----|
| 10 | 170 |
| 20 | 20 |
| G | Ch |

3+50

| | | | | | | |
|-----|----|----|---|----|-----|------|
| 172 | 10 | 15 | 5 | 1 | 0.7 | 1.55 |
| 20 | 20 | 10 | | 10 | 20 | 20 |
| Ch | G | | | | G | Ch |

3+28 £ 10' Conc Dr. on St.

| | |
|------|-----|
| 34 | 0.8 |
| 30.7 | 20 |

3+14 £ 10' Conc Dr. on St.

| | | |
|-----|------|-----|
| 118 | 10.1 | 0.8 |
| 36 | 30.7 | 20 |

3+00

| | | | | | | |
|------|-----|-----|-----|-----|-----|------|
| 0.96 | 0.2 | 0.5 | 0.5 | 0.4 | 0.3 | 0.62 |
| 20 | 20 | 12 | | 10 | 20 | 20 |
| Ch | G | | | | G | Ch |

Reed St. Contd

£

49
49

4+03 End Conc Drive on Rt

165 198 260
17.5 20 31

3+95 £ 9' Conc Drive on Lt

278 195
30.7 20

3+84 Beg Conc Drive on Rt.

136 168 232
17.4 20 31

3+82.2± EC Alley Ret.

16 212
20 20
Cb.

3+77.2± East Line Alley

231 16 20 20 16 31 7 21 219 231 214
20 20 10 10 20 25 35 40 40 60
Cb Pav Cb Pav

Senior M.H. & Reed & Alley

3+69.7± £ Alley

217 15 19 20 15 12 173 164
20 20 10 Rim 10 20 40 60
Cb G

5+00

4⁹⁰ 4⁶ 4⁶ 4⁵ 4⁵ 4¹ 4⁵
 20 20 10 10 20 21
 Cb

4+98 End Cb on Rt

4⁰ 4²⁹
 20 20
 G Cb

4+66 Box in Cb on Lt

4²⁵ 3⁴
 20 20
 Cb

T.P.

5.02

N.W. 7' L&T Reed & Bayard

4+45

2⁸⁶ 3⁰ 3³ 3¹ 2⁸ 2³ 3³²
 20 20 10 10 20 20
 Cb G Cb

4+05

2⁹⁰ 2⁰ 2⁴ 2⁴ 2⁰ 1⁹ 2⁵⁵
 20 20 10 10 20 20
 Cb G G G Cb

BM.

11.76 11.75

N.E 7' LOT Grand & Bayard

TP.

6.12

5+42.46 E Bayard

4⁷³ 4⁶³ 4⁶² 4⁵⁵ 4⁴⁹ 4⁴² 4³⁴
 50 30 20 20 30 50

5+22.46 West Cb Line Bayard

4⁹³ 4⁴⁵ 4³⁹ 4³⁸ 4³⁸ 4⁴⁰ 4⁰⁴ 3⁹⁰ 4⁴⁰ 3⁷² 4⁴⁵
 50 50 30 30 20 20 30 30 50 50
 Cb. G Cb G G Cb Cb G Cb

5+17.3 Bay Cb on Rt

3⁹⁵ 4⁴⁴
 21.3 21.3
 Pav Cb

5+02.46 West Line Bayard

4⁹² 4²² 4³⁰ 3⁷⁸
 20 20 20
 Cb Pav Pav

LOCATION - PROPOSED DRAIN

South of Commercial St.
Between 19th & 21st.

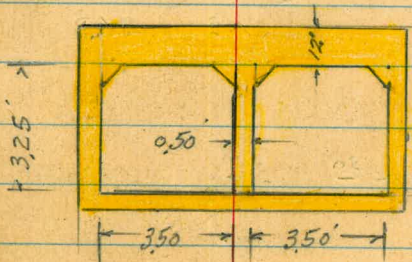
Walker
Pope
Clark
Hoffman
6-4-51

NO 30826

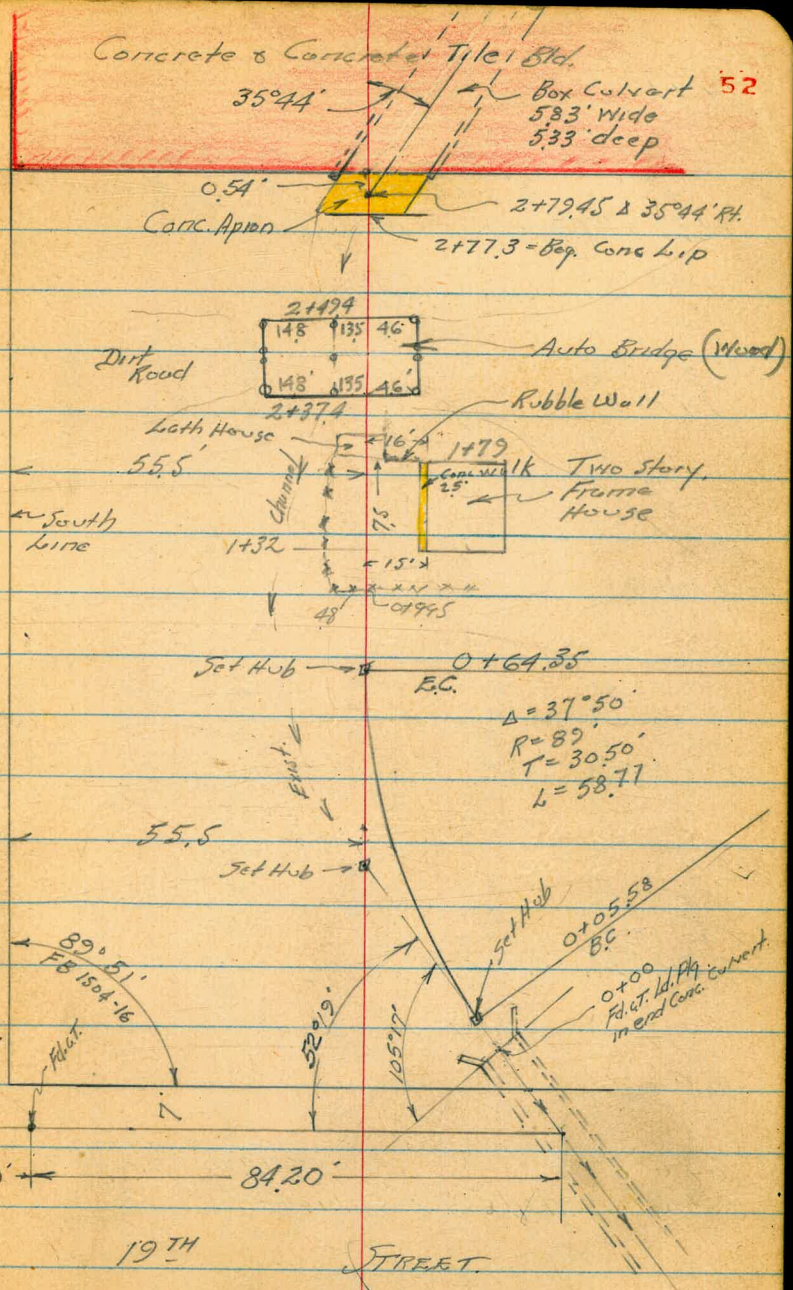
INDEXED
JUN 4 1951

Const. Notes
in Grd. Book 285
25

Commercial Street



Elev. - Section 0+00.



1771

Drain
19th & Commercial

Note: Place Grating this Station
To Drain Yard & Basement.
-To House

1432 = West edge House 15 Rt.

31.8
7.09
5.0

20.8
10.1
28
2.6
12
28.3
5.0
8
25.9
4.9
3
26.0

26.9
4.0
2.49
6.0

256 Rt.
53
16
at House
Basement
246.9
616

53

1717.5

0.309
0.0
50
Top
Bank

30.5
0.4
48
21.4
27
5
Ditch

25.9
5.0
17
26.8
4.1
10

Drains
into Big Ditch
26.2
4.1

26.7
4.2
15

NW Cor House

1700

0 + 64.35 = F.C.

30.2
0.7
40

30.2
0.7
30

20.3
10.6
11
Ditch

24.3
5.92
on Hub

26.2
4.7
5

26.6
4.8
15

0 + 0.58 = B.C. Rt.

27.0
3.9
20

27.0
3.9
15

20.2
10.7
3
Ditch

19.38
11.47
on Hub
Ditch

19.9
11.0
3

25.1
5.8
15

25.1
5.8
20

0 + 0

Set B.M. at Top Box Culvert

6.92

23.93

23.97
6.88
4.0
on Top Box Culvert

19.55
11.30
2 invert
on Top
4' RT. E

23.93
6.92
on top
1' Top
30.85

19.44

11.41
2
invert

6.89

30.85

23.96

B.M. Top Conc. Box Culvert

8419.58 FB 1504-32

to 0700 out line

Drain
19th & Commercial

2+49.6 = East Side Bridge

2+37.4 = Int. Wooden Bridge

2+12 = Guy Pole T.R.T

East
1+99 = End Bath House 6' Lt. = North edge

T.P. 10.61 37.29 417 26.68

N+5
1+82 = Int Fence 6' Lt. E & West Fence

1+79 = N.E. Cor. House

30.85

54

| | | | | | | |
|------|---------|------|-------|------|------|------|
| 25.9 | 23.6 | 30.4 | 25.4 | 28.6 | 30.5 | 28.1 |
| 11.4 | 13.7 | 7.5 | 11.9 | 8.7 | 6.8 | 9.2 |
| 27 | 18 | 10.0 | 0 | 7 | 9 | 15 |
| | channel | Top | Water | | | |
| | | Main | | | | |

| | | | | | | | |
|--------|--------|---------|--------|------|------|------|------|
| 32.6 | 25.2 | 23.5 | 32.5 | 27.0 | 28.5 | 32.5 | 32.6 |
| 4.7 | 12.1 | 19.8 | 4.8 | 10.3 | 8.8 | 4.8 | 4.7 |
| 27 | 27 | 10.0 | Floor | 0 | 5 | 7 | 15 |
| Floor | Ground | Channel | Bridge | | | | |
| Bridge | | | | | | | |

| | | | | | |
|------|------|-------|------|------|------|
| 33.4 | 33.4 | 11.5 | 32.9 | 32.3 | 32.3 |
| 39 | 39 | 15.0 | 6.4 | 5.0 | 5.0 |
| 50 | 38 | 2.3 | 14 | 7 | 15 |
| | | Ditch | | | |

37.29

| | | | | | | | |
|------|-------|------|------|------|-------------|------|-------|
| 23.4 | 21.8 | 28.9 | 27.6 | 27.7 | 28.8 | 30.3 | 29.8 |
| 12.5 | 9.1 | 20 | 3.3 | 3.2 | 2.1 | 0.6 | 1.1 |
| 41 | 22 | 80 | 60 | | 7.5 | 7.5 | 16 |
| | Ditch | | | | N.W. Cor. | Top | at |
| | | | | | Rubble Wall | Wall | House |
| | | | | | Ground | | |

30.85

1934
 Chk c.t. Ld Ply Top Box Culvert
 P-53

| |
|-------|
| 0.02 |
| 23.93 |
| 23.95 |

29.35

2 + 79.45

12.94
 invert of
 Box Culvert

2 + 77.30 = Int. Conc. Apron

| | | | | | | | |
|------|------|-----------------------|-------------|------------|------------------|------|------|
| 33.8 | 25.7 | 29.77 | 23.3 | 29.34 | 29.52 | 30.8 | 31.3 |
| 38 | 143 | 1282 | 140 | 12.95 | 12.97 | 6.5 | 6.0 |
| 27 | 7 | 6.8 Conc. Apron | 0 Ground | 0 Conc. | 4 on Apron | 15 | 20 |

37.29

37.29

LOCATION
 PROPOSED SEWER IN KURTZ ST.

Walker
 Pope
 Clark
 Hoffman
 7-2-51

WO 32045

Locals: P 57

INDEXED

6+38.16 = E.I. line Houston

1.50
 1.88

JUL 3 1951

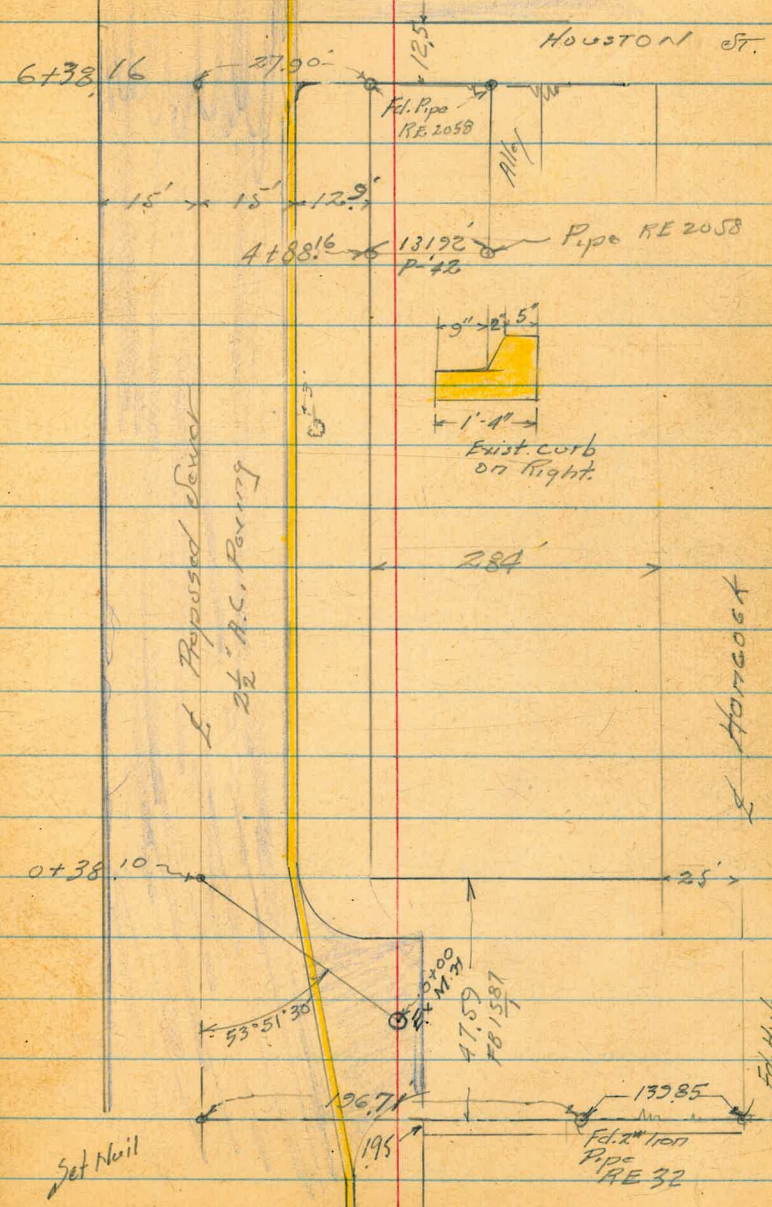
3+50 Approx station 16" Trec 18' Rt



0+38.10 = Δ 53° 51' 30" Rt. Jet Nail in Pav.

0+00 = Δ

Paved Parking Lot. 56



LEVELS ~ PROPOSED SEWER
ON KURTZ ST.
LOCATION ON P-56

from 3+00
outs on Rt. & Lt. Approx. 10' Above L.

3+00

4.05 ✓ 3.50 3.92 3.5
5.01 5.56 5.14 5.6
12 cb 18 4.2
Gut 4.9

2+50

4.20 ✓ 3.88 4.34 3.6 7.5
4.86 5.18 4.72 5.5 5.2
12 Gut cb 18 7.5

2+00

4.31 ✓ 4.00 4.44 4.8
4.75 5.06 4.62 4.3
12 Gut cb 18

1+00

4.18 ✓ 3.82 4.24 4.5
4.88 5.24 4.82 4.6
12 Gut cb 18

0+38.10 = A

4.04 ✓ -6.07
5.02 15.13
Rim 0
invert

0+00 = Existing MH

2.06 ✓

TP 4.95 2.06 ✓ 4.33 4.11 ✓

TP 6.07 8.44 ✓ 4.93 2.37 ✓

TP 4.57 7.30 ✓ 4.67 2.73 ✓

TP 4.22 7.40 ✓ 6.00 3.18 ✓

TP 3.27 2.18 ✓ 4.25 5.91 ✓

TP 5.44 10.86 ✓ 4.02 5.42 ✓

4.72 2.44 ✓ 4.72

Bross Plg.
S.E. Cor Juan & Taylor

Kurtz St - Sewer Levels

7+00

↓
2.87 2.10 2.50 3.19
503 580 540 471
12 18 27
on Pipe

6+38.16 = Fly Line Houston

↓
3.18 2.26 2.73 2.5
472 564 517 54
12 6 18

6+25

3.0
4.9
150

6+00

↓
3.27 2.48 2.9
463 552 50
12
Drain
Cut 18

5+36

3.4
4.5
110

7.P 4.63

↓ 7.20 579 3.27
= 7

7.20 ✓

5+00

↓
3.65 2.74 3.22 3.4
541 632 584 57
12 6 18
Cut

4+00

206

↓
3.88 3.13 3.56 3.7
518 593 548 52
12 6 18
Cut

| | | | | |
|----------------------------|-------|-------|------|-------|
| | | | | 0.03 |
| 531/4 Cor Sunk Fe Bridge | | | | 18.55 |
| chk 811.115 CBG FB 2099-45 | 5.75 | | | 18.52 |
| TR | 8.66 | 24.27 | 386 | 15.61 |
| TR | 4.40 | 19.47 | 453 | 15.07 |
| TR | 2.72 | 19.60 | 2.05 | 7.88 |
| TR | 11.37 | 11.93 | 683 | 0.56 |
| TR | 4.74 | 7.39 | 5.25 | 2.65 |

8+00

7.20

5.2

60

| | | | |
|------|------|------|-----|
| 2.74 | 1.91 | 2.36 | 2.3 |
| 5.16 | 5.99 | 5.54 | 5.6 |
| 7.90 | 12 | cb | 18 |

140

| | | | | | | |
|-------|-------|-------|-------|-------|-------|-------|
| 332.5 | 331.3 | 331.3 | 331.2 | 331.3 | 332.0 | 333.0 |
| 27 | 44 | 44 | 45 | 44 | 37 | 27 |
| 100 | 50 | 30 | 10 | 10 | 30 | 50 |

+75

| | | | | | | | | | |
|--------|-------|-------|-------|-------|-------|-------|-------|--------|-------|
| 333.97 | 331.0 | 331.3 | 331.0 | 331.1 | 331.2 | 331.5 | 332.1 | 332.00 | 332.9 |
| 17 | 47 | 44 | 47 | 46 | 45 | 47 | 36 | 1.00 | 28 |
| 64 | 84 | 30 | 10 | 10 | 10 | 30 | 50 | 65 | 100 |

64 Floor
64 Floor
64 Floor

+61 80 1/2" = 1/2" Parice Pole # SP7 4411

+50

| | | | | | |
|-------|-------|-------|-------|-------|-------|
| 330.9 | 331.0 | 331.1 | 331.5 | 332.1 | 332.9 |
| 48 | 47 | 46 | 42 | 36 | 28 |
| 10 | 10 | 10 | 30 | 50 | 100 |

TP

474 335.68 531 330.94

336.68

+48 = 1 1/4" VC Pipe on 1/2"

| | | | | | |
|-------|--------|-------|-------|-------|-------|
| 330.6 | 329.96 | 331.0 | 330.8 | 331.0 | 332.0 |
| 51 | 47 | 53 | 54 | 53 | 42 |
| 30 | 10 | 10 | 10 | 50 | 100 |

+45

331.33
19 1/2" VC Pipe on 1/2"
19 1/2" VC Pipe on 1/2"
19 1/2" VC Pipe on 1/2"
19 1/2" VC Pipe on 1/2"
19 1/2" VC Pipe on 1/2"
19 1/2" VC Pipe on 1/2"
19 1/2" VC Pipe on 1/2"
19 1/2" VC Pipe on 1/2"
19 1/2" VC Pipe on 1/2"
19 1/2" VC Pipe on 1/2"

0+37

| | | | | | | | | |
|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 330.6 | 331.0 | 330.8 | 330.6 | 331.0 | 330.4 | 330.6 | 331.2 | 332.0 |
| 56 | 53 | 54 | 57 | 52 | 59 | 57 | 51 | 42 |
| 30 | 10 | 10 | 10 | 30 | 30 | 50 | 100 | 135 |

336.25

336.35

+60

+59

+43 279 Rt. of $\frac{1}{2}$ Sky Post. Pole # No

+40.5

+40 39.6 Rt. of $\frac{1}{2}$ Ely Metal Picket Fence

+39

+21

1+0 39.5 Rt. of $\frac{1}{2}$ WY Metal Picket Fence

0+9.5

322.87

Lt
 31819 46.8
 31822 40.4
 31711 40
 3172 57
 3169 6
 316.4 51
 316.7 26
 316.7 Rt 6.2
 40

316.77

6.10

25.5
22.2
27.6

318.72

41.5

43.2

46

45

39

318.4

53

26

317.6

56

21

317.3

56

23

317.4

59

40

317.0

318.05

18.2

38.5

27.6

318.70

41.7

44

40

318.57

43.0

41.4

33

318.1

48

317.8

51

22

318.34

51.3

37.3

39.5

318.1

48

318.2

47

26

318.0

49

46

318.54

51.3

47.5

50.0

318.1

48

318.2

47

26

318.0

49

46

319.65

322

18.5

27 Conc

319.7

37.0

1.0 on Conc

319.2

38.5

26

319.0

33.9

26

318.8

41

25

319.78

3.09

48.5

2 Conc

319.34

51.3

41.4

318.1

48

318.2

47

322.87

322.87

Landis St.

+50

+30

+20

+10

+89

+72

+68

322.87

312.4
10.5
50

312.7
10.2
40

312.9
10.0
28

313.0
9.9

312.9
10.0
16

311.5
11.4
21

307.3
15.6
37

308.5
14.4
10.5
10.5
Cater Walk

308.1
14.8
15.0
on Walk

68

314.67
8.20
48.8
on Walk

314.60
8.27
38.8
Cater Walk

313.65
9.22
38.2
Cater Walk

313.55
9.32
48.2

315.6
7.2
40

315.2
7.7
28

315.1
7.2

314.7
8.2
21

314.9
8.0
28

314.6
8.3
40

315.37
7.50
38.2
Cater Walk

7.66
48.0
on Walk

317.41
5.46
49.3
on Walk

317.18
5.59
38.3
Cater Walk

317.06
5.81
49.4
on Walk

316.79
5.08
39.7
Cater Walk

322.87
5.81
49.4
on Walk

322.87
5.08
39.7
Cater Walk

+85

2712
8.7
60

270.8
9.1
40

270.7
9.2
36

270.4
9.5
70's

269.8
10.1
36

269.2
10.7
40

268.4
11.5
65

+50

280.7
5.8
55

279.1
9.8
40

278.0
1.9
36

274.2
8.7
60

269.7
6.3
36

268.3
11.6
55

268.5
11.9
40

267.2
12.7
65

65: Bottom
70's

TP 2.23 279.90 1267 276.67

TP 0.78 289.34 1297 288.56

279.90

3+28

292.6
8.9
55

291.9
9.6
40

287.9
15.6
36

279.1
12.1
36

275.8
7.7
36

273.5
28.0
40

268.7
12.8
60

TP 0.09 301.53 1266 301.44

301.53

+91

306.7
7.4
50

305.8
8.2
40

303.0
11.1
36

296.3
17.8
36

293.5
20.6
15

289.6
14.5
36

287.3
26.8
40

285.2
28.7
55

2+65

312.2
5.9
50

312.1
7.0
40

312.4
17.7
36

311.0
8.1
36

311.9
5.2
36

311.7
7.7
36

306.1
8.0
36

301.7
12.1
40

298.7
15.4
55

+54 285R to of 1/2 Sky Power Pole # 710

TP 2.55 314.10 1132 311.55

314.10

222.87

Landis St.

St

St

Rt 70

BM

260

NFBP
Landis +
Stiff 285.86

TP

934

288.46

0.78

279.12

4 + 20d = East Line Mabary Rvc

271.7

8.2
60

271.0

8.9
40

270.8

9.1
35

270.6

9.3
30

270.6

9.4
36

270.1

9.8
40

269.1

10.0
35

27990

27990

Re-cross section of Landis ST
 Nile to Wobash Ave.
 See sketch page 65

Wo# 32001.

3-19-53

Allen

B. S. SSON

Powell

0+70

44
40

| | | | | | | | | | | |
|--------|--------|-------|-------|-------|-------|-------|-------|--------|--------|-------|
| 319.17 | 318.70 | 318.6 | 319.6 | 319.2 | 320.0 | 319.3 | 318.4 | 318.87 | 319.32 | 319.1 |
| 538 | 585 | 60 | 50 | 52 | 46 | 53 | 52 | 568 | 523 | 55 |
| 26° | 26° | 24.5 | 21 | 11 | 10 | | 24.5 | 26° | 26° | 40 |
| cb | G | | | | | | | G | cb | |

0+58

| | | | | | | | | |
|-------|--------|--------|-------|-------|-------|--------|--------|-------|
| 320.5 | 319.57 | 319.09 | 319.2 | 319.4 | 318.7 | 319.35 | 319.82 | 319.4 |
| 41 | 498 | 546 | 54 | 52 | 59 | 520 | 473 | 52 |
| 40 | 26° | 26° | 24.5 | | 24.5 | 26° | 26° | 40 |
| | cb | G | | | | G | cb | |

0+48

| | | | | | | | | |
|-------|--------|--------|-------|-------|-------|--------|--------|-------|
| 320.7 | 319.96 | 319.50 | 319.3 | 319.8 | 319.3 | 319.73 | 320.20 | 319.8 |
| 39 | 459 | 505 | 53 | 48 | 53 | 482 | 431 | 48 |
| 40 | 26° | 26° | 24.5 | | 24.5 | 26° | 26° | 40 |
| | cb | G | | | | G | cb | |

0+00 - Fly line Nile ST

| | | | | | | | | |
|-------|--------|--------|--------|--------|--------|--------|--------|-------|
| 322.1 | 321.96 | 321.44 | 321.81 | 321.00 | 321.93 | 321.75 | 322.30 | 322.2 |
| 24 | 259 | 31 | 274 | 250 | 262 | 280 | 220 | 23 |
| 40 | 26° | 26° | 13 | | 13 | 26° | 26° | 40 |
| | cb | G | | | | G | cb | |

BM. 2.51 324.55

2.57.44 T
 NE Landis + Nile
 322.04
 page 66.

324.55

1468

| | | | | | | | | | | | | | |
|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|--------|--------|-------|
| 316.9 | 316.8 | 316.0 | 315.7 | 315.1 | 317.4 | 316.8 | 318.3 | 317.6 | 316.3 | 315.2 | 315.22 | 315.72 | 316.1 |
| 72 | 78 | 86 | 89 | 95 | 72 | 78 | 63 | 70 | 83 | 94 | 933 | 883 | 85 |
| 40 | 35 | 34 | 27 | 25 | 19 | 10 | 8 | 7 | 13 | 24.5 | 26.0 | 26.0 | 40 |

1460. Ely line Alley. No curb in on Nly

| | | | | | | | | | | | | |
|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|--------|--------|-------|
| 317.0 | 315.9 | 315.1 | 317.5 | 316.9 | 318.1 | 318.2 | 318.0 | 317.1 | 315.1 | 315.50 | 316.00 | 316.4 |
| 76 | 87 | 95 | 71 | 77 | 65 | 66 | 75 | 95 | 905 | 855 | 82 | 82 |
| 40 | 27 | 24.5 | 19 | 9 | 8 | 4 | 4 | 24.5 | 26.0 | 26.0 | 40 | 40 |

1440.5 Wly line Alley

| | | | | | | | | | | | | | | |
|-------|-------|-------|--------|--------|-------|-------|-------|-------|-------|-------|-------|--------|--------|-------|
| 318.5 | 318.5 | 316.8 | 316.58 | 316.14 | 315.9 | 317.7 | 317.5 | 316.6 | 315.1 | 317.3 | 316.2 | 316.39 | 316.85 | 317.2 |
| 61 | 61 | 78 | 797 | 82 | 69 | 71 | 60 | 65 | 70 | 84 | 816 | 770 | 74 | 74 |
| 40 | 35 | 34 | 26.0 | 26.0 | 24.5 | 18 | 11 | 6 | 12 | 24.5 | 26.5 | 26.5 | 40 | 40 |

1421

| | | | | | | | | | | | | | | |
|-------|-------|--------|--------|-------|-------|-------|-------|-------|-------|-------|-------|--------|--------|-------|
| 318.6 | 317.2 | 317.16 | 316.72 | 316.5 | 318.2 | 317.8 | 318.9 | 318.6 | 318.7 | 317.9 | 316.8 | 316.94 | 317.42 | 317.5 |
| 60 | 74 | 732 | 783 | 81 | 64 | 68 | 57 | 70 | 52 | 63 | 72 | 761 | 713 | 71 |
| 40 | 34 | 26.0 | 26.0 | 24.5 | 18 | 11 | 6 | 4 | 6 | 24.5 | 26.0 | 26.0 | 40 | 40 |

1400

| | | | | | | | | | | | | |
|-------|--------|--------|-------|-------|-------|-------|-------|-------|-------|-------|--------|-------|
| 319.2 | 317.62 | 317.52 | 317.4 | 316.5 | 318.4 | 319.3 | 318.2 | 318.9 | 318.5 | 317.5 | 317.74 | 318.0 |
| 54 | 693 | 703 | 72 | 61 | 62 | 53 | 4 | 57 | 61 | 71 | 681 | 633 |
| 40 | Drive | 26.0 | 24.5 | 20 | 11 | 9 | 3 | 6 | 24.5 | 26.0 | 26.0 | 40 |

D+95

| | | | | | | | | | | | |
|-------|--------|--------|-------|-------|-------|-------|-------|-------|--------|--------|-------|
| 319.3 | 317.77 | 317.71 | 317.6 | 318.7 | 318.5 | 319.5 | 318.2 | 317.6 | 317.92 | 318.40 | 318.1 |
| 53 | 678 | 684 | 70 | 59 | 61 | 51 | 4 | 70 | 63 | 61 | 64 |
| 40 | Drive | 26.0 | 24.5 | 20 | 12 | 10 | 6 | 24.5 | 26.0 | 26.0 | 40 |

324.55

LT = N/4

♀

Rt = 5/4

TP, 218 313.54 13.19 311.36

313.54

2150

| | | | | | | | | | |
|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|------------------|
| 313.8 | 312.9 | 312.3 | 314.0 | 314.3 | 314.6 | 314.8 | 312.6 | 312.1 | 309.3 |
| 10 ⁸ | 11 ⁷ | 12 ³ | 10 ⁶ | 10 ³ | 10 ¹ | 10 ² | 12 ⁰ | 12 ⁵ | 20 ⁹ |
| 40 | 26 | 25 | 21 | 13 | 13 | 24 | 30 | 40 | 15 ¹³ |

2130

| | | | | | | | | | | | |
|-----------------|-----------------|-----------------|-----------------|-----------------|----------------|----------------|----------------|----------------|-----------------|-----------------|-----------------|
| 314.6 | 314.3 | 313.5 | 313.6 | 312.8 | 315.6 | 315.0 | 316.4 | 315.8 | 314.1 | 312.2 | 312.9 |
| 10 ⁰ | 10 ³ | 11 ² | 11 ⁰ | 11 ⁸ | 9 ⁰ | 9 ⁶ | 8 ² | 8 ⁰ | 10 ⁵ | 12 ⁴ | 11 ⁷ |
| 40 | 35 | 34 | 27 | 25 | 19 | 10 | 8 | 8 | 13 | 25 | 40 |

2120 - End present view curb on south

| | | | | | | | | | | | | | |
|----------------|-----------------|-----------------|-----------------|-----------------|----------------|----------------|----------------|----------------|-----------------|-----------------|------------------|------------------|-----------------|
| 315.0 | 314.6 | 313.9 | 314.1 | 313.7 | 315.9 | 315.4 | 316.4 | 315.9 | 314.1 | 312.6 | 312.83 | 313.28 | 313.17 |
| 9 ⁶ | 10 ⁰ | 10 ² | 10 ⁵ | 10 ⁹ | 8 ⁷ | 9 ² | 8 ² | 8 ⁷ | 10 ⁵ | 12 ⁰ | 11 ⁷² | 11 ²⁷ | 10 ⁹ |
| 40 | 35 | 34 | 27 | 25 | 19 | 10 | 8 | 8 | 13 | 24.5 | 26 ⁰ | 26 ⁰ | 40 |
| | | | | | | | | | | | 6 | 6 | |

2120 - End present view

314.75
9⁰
40

2100

| | | | | | | | | | | | | | |
|----------------|----------------|----------------|----------------|-----------------|----------------|----------------|----------------|----------------|----------------|----------------|-----------------|------------------|------------------|
| 316.5 | 315.7 | 314.8 | 314.9 | 314.2 | 316.5 | 316.0 | 317.3 | 315.4 | 316.2 | 315.0 | 313.6 | 313.69 | 314.17 |
| 8 ¹ | 8 ² | 9 ⁸ | 9 ⁷ | 10 ⁴ | 8 ² | 8 ⁶ | 7 ³ | 9 ² | 8 ⁴ | 9 ⁶ | 11 ⁰ | 10 ⁸⁶ | 10 ³² |
| 40 | 35 | 34 | 27 | 25 | 19 | 10 | 8 | 9 | 4 | 13 | 24.5 | 26 ⁰ | 26 ⁰ |
| | | | | | | | | | | | | 6 | 6 |

1489

| | | | | | | | | | | | | | | |
|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|-----------------|------------------|-----------------|----------------|
| 316.2 | 316.0 | 315.0 | 315.2 | 314.7 | 316.9 | 316.4 | 317.7 | 316.8 | 316.6 | 315.6 | 314.1 | 314.23 | 314.91 | 315.4 |
| 8 ⁴ | 8 ⁵ | 9 ⁶ | 9 ⁴ | 9 ⁹ | 7 ⁷ | 8 ² | 6 ⁹ | 8 ³ | 8 ⁰ | 9 ⁰ | 10 ⁵ | 10 ³² | 9 ⁸⁴ | 9 ² |
| 40 | 35 | 34 | 27 | 25 | 19 | 10 | 8 | 8 | 4 | 8 | 24.5 | 26 ⁰ | 26 ⁰ | 40 |
| | | | | | | | | | | | | 6 | 6 | |

324.55

LT = N14

2

et = 514-

74

TP₃ starting BM.

2.51 322.02

TP₂

13.17

324.53

2.18

311.36

Ground from 2465 Ely has NOT been disturbed

17⁴

2491

2465

| | | | | | | | | |
|----|-------|-------|-------|-------|-------|-------|-------|-------|
| | 311.9 | 311.8 | 313.3 | 311.6 | 311.1 | 311.7 | 308.4 | 303.9 |
| 16 | 17 | 02 | 12 | 24 | 18 | 51 | 96 | |
| 40 | 33 | 22 | 11 | | 13 | 27 | 40 | |

3/2, 5-4 r

384
30.5
80

228
38.4
54.5

28/00
52.00
336.00
16.1

139.85
173
312.85

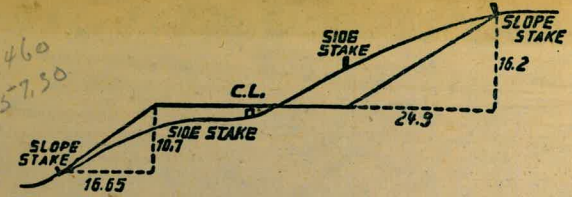
139.85
196.71
336.56

284
209
27.7
336.9

292.70
10.80
303.50
80

139.85
186.71
336.56
15
351.56

1498
1384
114



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 |

THE NATIONAL BLANK BOOK COMPANY
HOLYOKE MASSACHUSETTS
NEW YORK CHICAGO BOSTON SAN FRANCISCO