

Dr. 11A BK. 33

OFFICE OF COUNTY ENGINEER
RAMSEY CO. MINN.

New Brighton Survey

8th St. Corbing

7th St. Extension

From..... To.....

Road Acc't. No.

Date Filed 11-14-46

File.....

7th St. Ext.
H. B.

Profile Levels

From Cemetery Rd + Long LK Rd
East to Sixth Ave + Seventh Str

1 mile paper plan sheet
in ink.

4-18-46

HAW

AM

C.F

Sta	+	π	-	Elev
B.M	3.45	909.93		906.48

0+00		Δ Long LK Rd		05.8
------	--	---------------------	--	------

+10				05.6
-----	--	--	--	------

+30				04.2
-----	--	--	--	------

+35				04.4
-----	--	--	--	------

+50				04.6
-----	--	--	--	------

1+00				04.6
------	--	--	--	------

+50				04.6
-----	--	--	--	------

2				04.5
---	--	--	--	------

+50				04.5
-----	--	--	--	------

3 +76				04.4
-------	--	--	--	------

+76		Top Curb		05.00
-----	--	----------	--	-------

£

Top Water Table S.W. Cor School Int Long LK Rd
+ Cemetery Rd.

4.1

4.3

5.7

5.5

5.3

5.3

5.3

5.4

5.4

5.5

4.93

Sta	+	Σ	-	Elev
		909.93		
3+00				04.8.
+29				07.1.
+50				07.4.
4				07.4.
+50				07.6.
5				07.7.
+50				07.9.
6				07.8.
T.P.	6.29	914.61	1.61	908.32
+38				08.7.
+53				12.9.
+85				13.5.
+97				06.4.

~~4~~

51

2.8

2.5

2.5

2.3

2.2

2.0

2.1

5.9

1.7

1.1

8.2

Sta	+	π	-	Elev
		91461		
7				03.4
+05				01.2
+10		West Rail		02.12
+1435		East Rail		02.00
+21				00.3
+24				00.6
+30				05.9
+42				10.7
+50				10.5
+65				08.0
8				06.1
+50				06.5

~~2~~

112

134

1249

1261

143

14.0

8.7

39

41

66

85

8.1

St	+	π	-	E/cv
		91461		
9400				07.3
+50				09.0
+72				09.9
+83				11.2
+89		ϕ 51xth		11.4
10400				11.3
+50				10.3
B.M	1.63	91461	1.63	912.98
			8.13	906.48

~~4~~

7.3

5.6

4.7

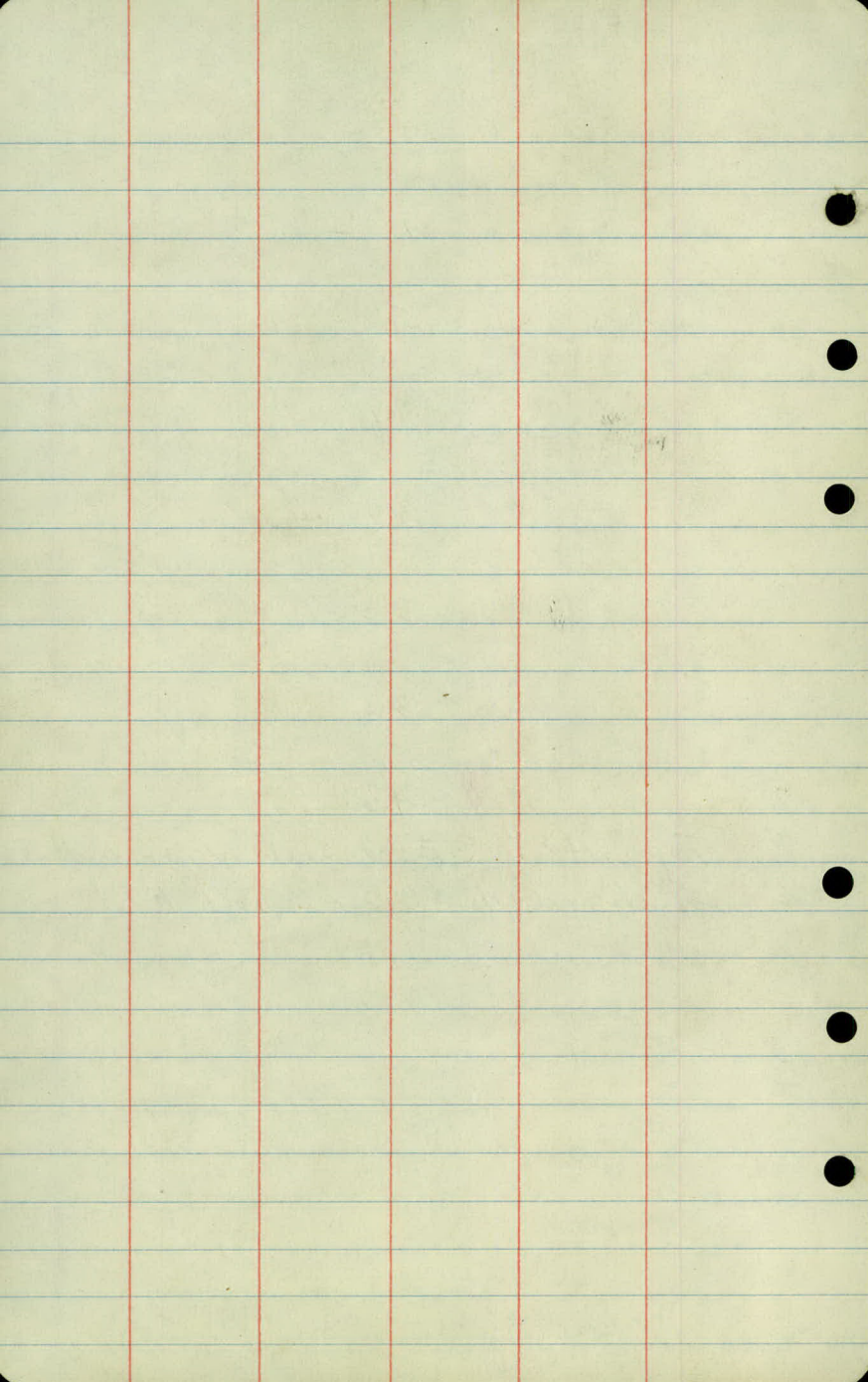
3.4

3.2

3.3

4.3

Top Hyd S.E. Cor Sixth Ave + Seventh St
Top Water table S.W. Cor School H



M. V.

Curbing

PLAN SURVEY

8th ST.

New Brighton

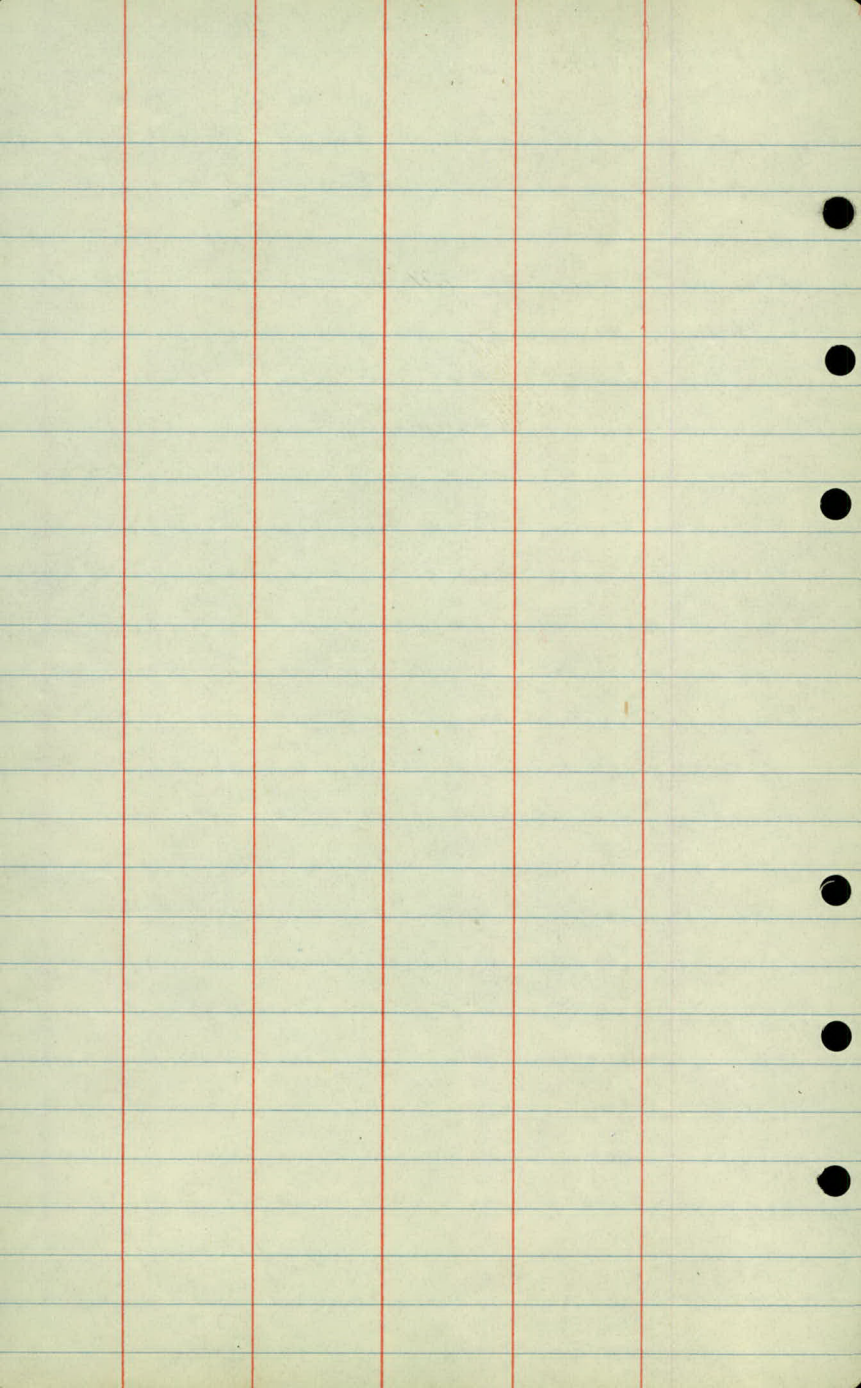
5th AVE to 3rd AVE.

INDEX

Align	1-2
Topog	3-5
Xsections	6-13

Rec'd.

5/29/46 2 PM
WJZ



1

Alignment

Sta.	Point	ΔL	ΔB
------	-------	------------	------------

6 +5218 = @ 3rd Ave.

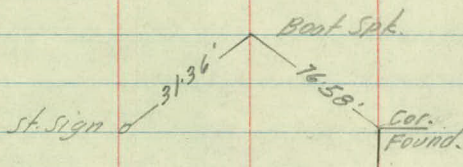
4 +89.35 P.O.T = @ Alley.

3 +2644 -P.O.T = @ 4th Ave.

0 +00 = @ 5th Ave.

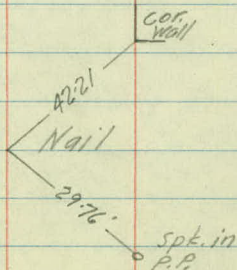
5-28-46

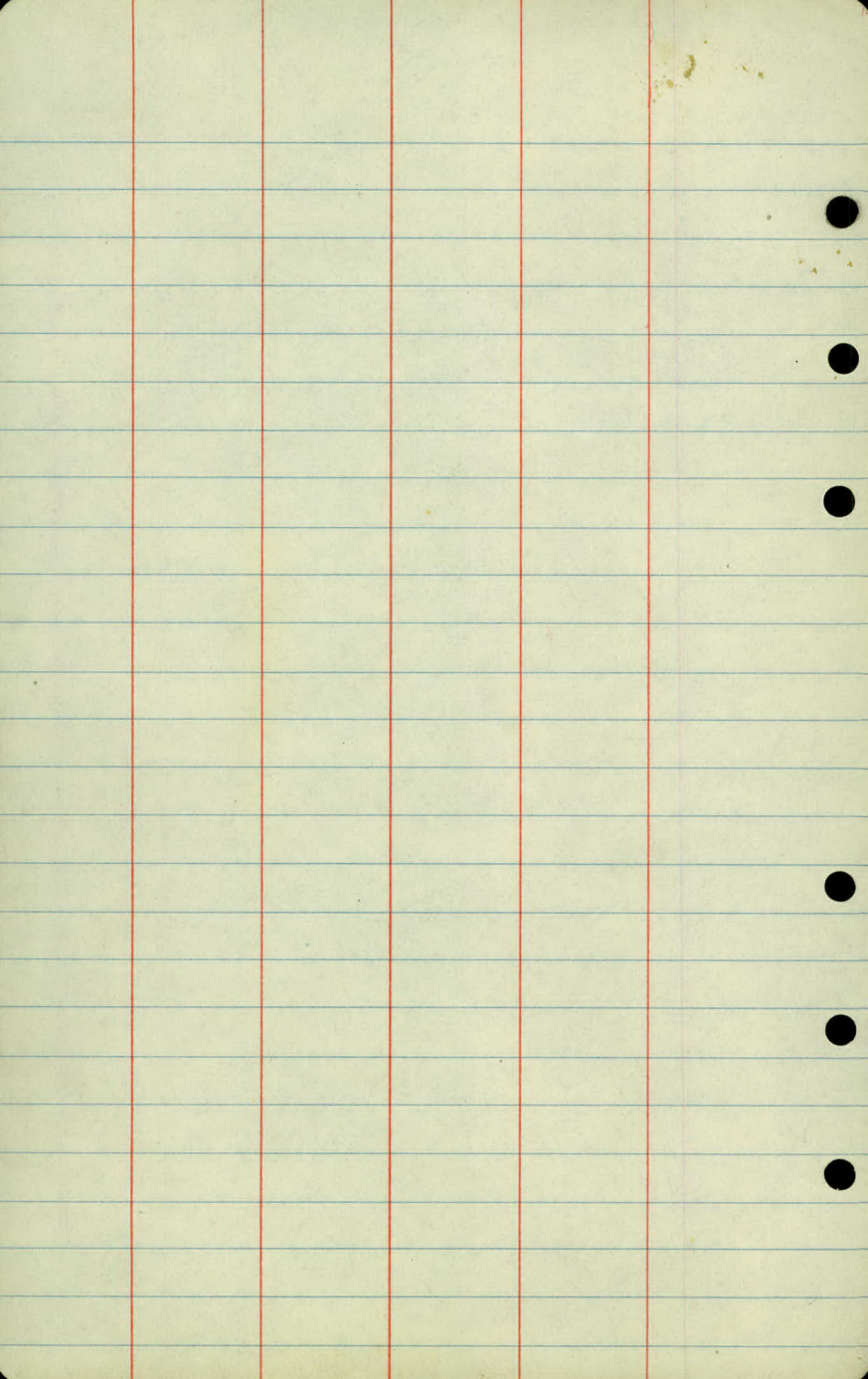
2



Spk

Boat Spk.





Topography.

Δ 10 back street - 46'

+60-Drinking Fountain-43' +43-8" Elm-26' +42-Back step-50' +12-8" Pop-26'	+58-NW Cor Ho 53' +109-Cor Row Trees-32' +01-PP-23'
5 +83-6" Elm-26' +53-4" Pop-26' +22-6" Elm-26'	10' 10' +89-5±-E 8' Alley +81-6" Elm-32' +104-PP-22'
4 +93-6" Pop-26' +63-6" Elm-26' +43-Ang. in water Pps-47' +16-M.H.-37' +02-5" Elm-26'	10' 10' +60-Ed-10' +48-Hyd-36' +54-End Curb-13' +44-Gate Valve-26' +195 M.H.-31' +16-M.H.-30'
3 +72-2" THP. Pps. Scrub-26' +37-Slide-84' +30-Slide-70' +11-10" Pop-26'	10' +90-Ed-11' +98-96-Reg Curb-13' +93-Arg L.P-22' +90-12" B.E-32' +96-10"-41-10" B.E-40' +75-8" B.E-33' +57-15" B.E-31' +38-12" B.E-31' +24-10" B.E-31' +01-16" B.E-29'
2 +99-Ctr. 16" Dia. Merry go round-80' +81-8" Elm-26' +68-6" P-25' +71-5" Pop-76' 64' Swing-86-76' +21) +20-6" Elm-26'	11' 10' +87-Ent. +71-Ed-18' PP-22' Cor Barn-67' +62-Ed-35' +50-Ed-42' +20-Ed-9' +40-NE Cor Pillar-29.5' +15-15" Oak-58' +03-NW Cor Rdg-115'
1 +92-4" Elm-26' +45-Hyd-29' +60-6" Elm-26' +40-30 Oak-47' +49-Ed-19' +30-5.E. Cor 6' Walk-29' +16-Pav.-455' +14.5 Edge Pav.-465'	14' +495-Ang. in Curb-177' +51-End Curb-185' +65-Ctr. 33X35' Conc. Fountain-137' +496-Problem Curb-111' +61-8" Elm-110' +57-NW Cor. 27X27 Mant.-120' +51-Beg. Curb-708' +54-Pop P-115' +56-PP-21' +49-12" Oak-70' +18-Ed-29' +41-Ed-6' +30-S.W Cor. 27X27 Pillar-29' 250' 265'
0	

5-18-96

Row
Seeds
Ball
Diamond

24
1-5-F

9 Trees

Top

15' R

12' CM 126.96

15' R

26'

86
33
116

Block

34'

Bl. TOP Alley

27'

29'
10' 5" st.
1' 26" 18"

4 SVE
Water Tank

6" Curb with
15' long gutter on
East side

29'

Alley

+88-Pt-10'
+80-18" CM X Drain - 20'-20' +85-Rd-8'
+78-End 18" CM - 32'

+62-Rd-42'

+20-C'E Int 52' +45-Rd-40'

+24-Range +182' +18-Rd-10'

+12-Range 12 back stop - 71'

+03-4" Elm 26'

+19-Rd-9'

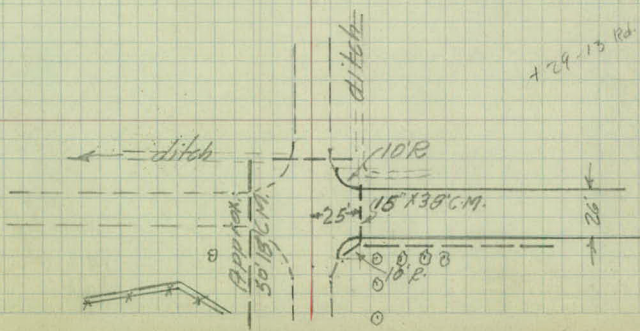
+35-End 12" CM - 27.5'

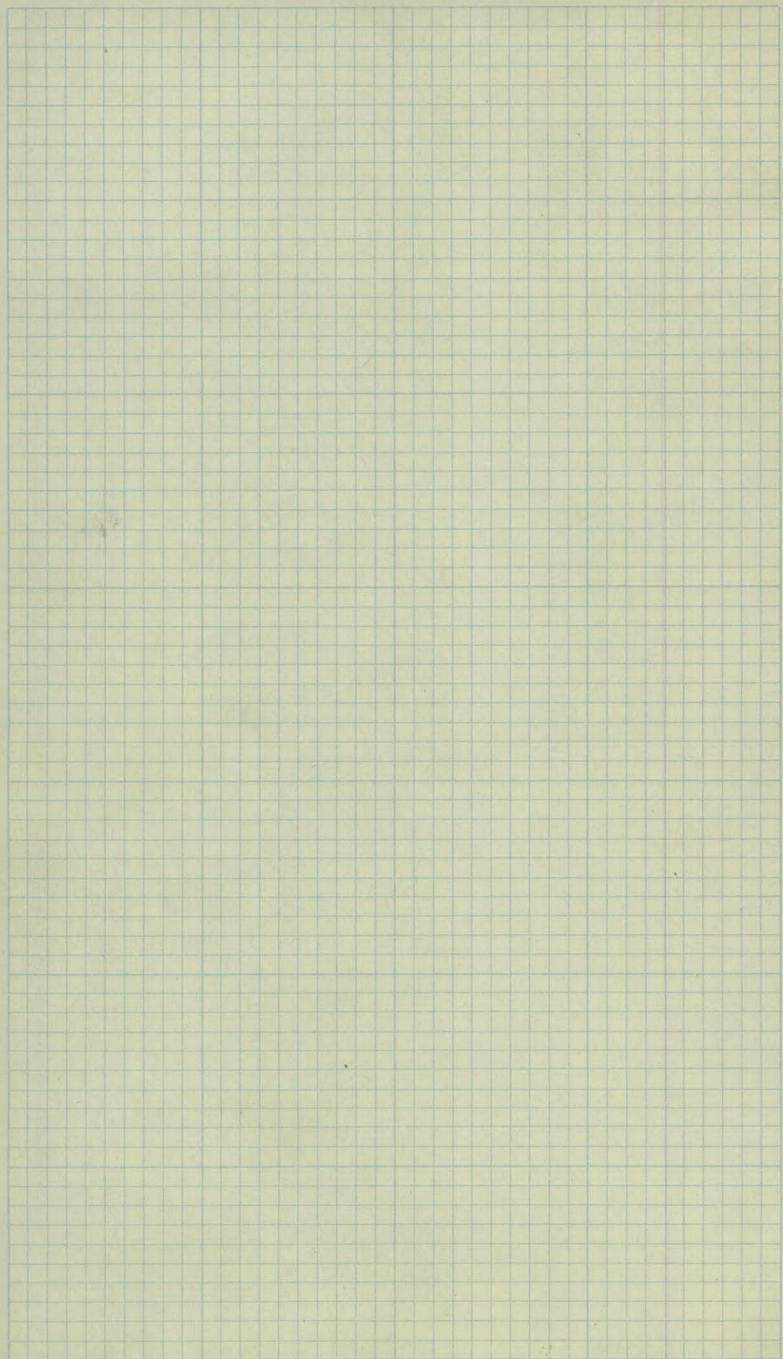
+36 - 24'

+30-End 15" CM - 16'

+29-Cor Row Trees - 33'

52





6
8th St.
New Brighton
5th Ave. to 3rd Ave.

X sections

Sta	+	-	Elev.
B.M.	11.97	908.39	(896.42)

0 +00			895.07
-------	--	--	--------

+145			95.20
------	--	--	-------

+30			94.94
-----	--	--	-------

+30 Profile of wall			94.9
---------------------	--	--	------

+50			94.0
-----	--	--	------

(+60 left only)			(93.6)
-----------------	--	--	--------

Lt

E

Rt.

Spk. in P.P. S.W. Cor. 8th St + 5th Ave.

95.1 96.5 97.5 98.6 99.6
1332 1193 1085 980 878
50 100 150 200 ✓

95.2 96.5 97.7 98.7 ✓ 99.7
1319 1192 1073 969 866
50 100 150 200

94.9 94.8 95.6 96.1 96.6 97.8 98.8 ✓ 99.5
1345 136 12.8 1231 1176 1062 962 887
10 17 29 50 100 150 190

00.6 00.6 00.3 00.3 02.3 02.3 01.9 ✓ 02.0 04.0
775 775 808 816 161 645 644 440
29 31.7 317 76 76 187 78.7 125 125

03.6 03.9 03.9 98.4 98.4 04.0
453 445 445 998 1904 440
136.7 136.7 134 134 123 128

03.6 03.9 03.9 99.5
482 446 446 887
187 187 189.7 189.7

94.0 94.1 94.9 98.6 00.1 ✓ 057 Top Curve
144 143 135 982 83 27 0.82 0.76
10 29 29 38 100 111

+14.8

+14.2 Curve E. Stop
0.78
L.O. 0.57 0.71 0.79
178 130

Sto.	+	π	-	E/ev
		908.39		

0 +75

92.9

1 +00

91.8

+21

90.9

+35

90.3

Lt.

2

Rt.

+15.5

98.6 98.6 97.8 99.9 01.7 05.0 2.5W
 98 98 106 85 67 34 078 07.6
 29 30 30 45 61 100 131

07.9 07.6 ✓ 07.7 08.2 08.3
 05 08 07 017 014
 183 176 157 151 140

+16.6

96.9 98.2 99.5 03.4 04.4 06.5 07.6 07.8
 1147 102 89 50 40 19 082 063
 29 38 54 87 100 115 125 153

+17.5

✓ 08.0 07.5 07.3
 04 0.9 11
 186 177 163
 96.9 95.8 97.2 98.7 00.0 00.5 04.3
 1145 126 112 97 84 79 41
 29-30 31 41 55 65 77 100

✓ 07.9 06.5 06.7 06.2
 0.0 05 19 1.7 1.7 2.2
 178 167 153 125 112

+18.1

97.0 94.7 96.4 98.9 99.6 02.6 04.9
 1141 137 120 95 88 58 35
 29-30 30 45 67 80 103 109

✓ 05.6 05.1 04.7 06.1
 L.O. 28 33 37 23
 181 178 166 153

Sta.	+	π	-	Elev.
		908.39		

1	+50	= Alloy Level		89.6
B.M.	1.32	897.74	11.97	896.42

0	+00			95.07
---	-----	--	--	-------

	+145			95.19
--	------	--	--	-------

	+30			94.94
--	-----	--	--	-------

	+50			94.04
--	-----	--	--	-------

	+60			93.6
--	-----	--	--	------

	+75			92.9
--	-----	--	--	------

1				91.8
---	--	--	--	------

5-28-46

9

LT

E

RT

+18.8

97.8 ✓
106 67 54 39
100 141 165 200

90.2
747 577 411 267
150 100 50

✓

89.8 91.8 93.6 95.1
758 586 408 255
150 100 50

✓

90.6 92.3 94.0 94.5 94.2 94.9 94.9
714 536 366 321 3528 28
150 100 50 30 26 9

✓

84.7 85.7 87.8 94.1 94.0 93.9 93.6 94.0
130 120 99 36 37 38 41 37
100 72 59 35 33 19 18

✓

85.7 81.7 82.9 87.2 93.8 94.0 93.5 93.1 93.7 93.6
130 160 148 105 39 37 42 46 40 41
150 100 66 52 31 26 18 15 4

✓

92.0 92.9 92.6 92.4 92.9 92.9 92.7 92.9 93.7
57 48 51 53 48 48 50 48 40
34 29 17 15 5 8 9 29

✓

91.7 91.7 91.2 91.8 91.8 91.5 92.1 92.6
60 60 65 59 59 62 56 51
27 18 14 4 8 14 29

✓

Sta	+	π	-	Elev.
		897.74		

1	+21			90.9
---	-----	--	--	------

	+35			90.3
--	-----	--	--	------

	+50			89.6
--	-----	--	--	------

TP	119	890.74	819	889.55
----	-----	--------	-----	--------

0	+75			92.9
---	-----	--	--	------

				91.8
--	--	--	--	------

	+21			90.9
--	-----	--	--	------

	+35			90.3
--	-----	--	--	------

	+50			89.6
--	-----	--	--	------

LT E RT

90.4 91.1 90.8 90.3 90.9 90.9 90.7 91.2 91.9
 73 66 69 74 68 68 70 65 58
 29 26 18 13 3 9 16 29

✓

90.1 90.1 89.7 90.3 90.3 90.0 90.6 91.4
 76 76 80 74 74 77 71 63
 28 17 13 2 12 16 29

✓

89.5 89.5 89.1 89.6 89.5 90.3 92.2
 82 82 86 81 82 74 55
 28 17 12 8 27 50

✓

Nail in G.P.L.H

80.0 81.2 82.3
 107 95 84
 150 100 61 -2.2

✓

79.8 80.4 80.6 81.7
 109 103 101 90
 150 100 78 59 -1.1

✓

80.4 80.6 81.3
 103 101 94
 100 73 57 +0.2

✓

80.2 80.5 81.1
 105 102 96
 100 70 57 +0.4

✓

79.9 80.3 80.9
 108 104 98
 100 66 56 +1.1

✓

Sta	+	π	-	Elev
		890.74		
1	+70			88.7
	+80			88.2
2				87.3
	+50			85.1
	+93			83.7
	+98.46	Beg. curb rt.		83.6
3	+13.46			83.4
	+16	M.H. Rt. L.H.		

5-29-46

11

L.A.

Z

B.A.

79.5	80.0	80.8	88.4	88.8	88.4	88.7	88.7	89.0	89.8	90.7	92.1	93.2	✓
112	107	99	23	1.9	23	20	20	17	09	0.0	11.4	125	
100	65	52	28	17	12		9	19	23	34	40	50	

79.4	80.0	80.6	88.1	88.4	88.0	88.2	88.1	88.5	89.6	90.7	✓
113	107	101	26	23	27	25	26	22	11	00	
100	64	52	29	19	12		8	26	32	50	

79.3	79.8	80.4	87.4	87.4	87.0	87.3	87.0	87.9	88.6	89.1	90.0	✓
114	109	103	33	33	37	34	37	28	21	16	07	
100	60	50	28	16	11		11	15	30	32	50	

79.0	79.6	79.7	84.9	84.9	84.4	85.1	84.9	85.7	85.7	89.0	89.7	✓
117	111	110	58	58	63	56	58	50	50	1.7	1.0	
100	56	47	28	16	11		9	15	30	37	50	

Dep. 198.46

83.7	83.5	84.1	83.9	84.1	88.5	88.7	✓
70	72	66	68	66	22	2.0	
11	14	22	35	41	50		

78.9	79.9	80.4	83.4	83.6	83.2	83.6	83.3	83.5	83.9	83.9	85.0	✓
118	108	103	73	71	75	71	74	720	68	68	5.7	
100	61	39	38	15	8		13	13	17	39	50	

79.5	80.6	83.0	83.3	83.0	83.4	83.2	83.8	Top Curb			
112	101	77	74	77	73	75	69	7.6	6.98	84.2	✓
80	38	28	16	7	28	50		28	50		

78.9

11.84

FL.

80.3

10.46

TOP

83.2

7.58

TOP

80.7

10.03

FL.

Sta	+	π	-	Elev
		89074		

3	+26.46			83.3
---	--------	--	--	------

	+375	M.H.B.		
--	------	--------	--	--

	+39.46			82.8
--	--------	--	--	------

	+54			82.6
--	-----	--	--	------

4				81.8
T.P.	4.64	885.88	9.50	881.24

	+50			81.5
--	-----	--	--	------

5				81.2
---	--	--	--	------

	+50			81.0
--	-----	--	--	------

LT

E

RT

79.4
11.3 104 79 77 80
80 37 28 17 8

83.3
74 75 72 65 45
8 20 50 100

✓

83.2
7.52 9.82
Top FL.

80.0 80.2 82.7 82.7 82.6 82.8 83.0 83.1 83.8 83.5 curb
107 105 80 80 81 79 77 7.6 69 7.18 6.97
50 36 28 14 8 10 28 50 28 50

79.5- 79.8 82.5 82.5 82.3 82.6 82.5 82.9 83.4 83.7
112 109 82 82 84 81 82 7.84 7.3 7.0
50 36 29 12 10 13 13 27 50

✓

79.4 79.5- 81.7 81.7 81.5 81.8
113 112 90 90 92 89
50 36 27 12 10

81.6 82.1 80.7 81.1
9.1 8.6 10.0 9.6
9 24 35 50

✓

79.4 79.5- 81.1 81.4 81.3 81.5 81.3 81.7 82.5
65 64 48 45 46 44 4.6 4.2 3.4
50 35 27 14 10 11 25 50

✓

79.4 79.6 79.5 80.9 81.1 81.2
65 63 64 50 48 47
50 37 33 28 10

81.0 81.2 81.5 81.8
49 4.7 4.4 4.1
11 12 22 50

✓

79.5- 79.6 79.4 80.9 80.9 80.8 81.0 80.8 81.4 81.6 81.9
6.4 6.3 6.5 5.0 5.0 5.1 49 5.1 4.5 4.3 4.0
50 37 33 27 12 9 11 16 32 50

✓

Sta	+	π	-	Elev.
		885.88		
6				80.8
+29.18				81.0
+37	FL. 15" CM. Side Drain			
+39.18				80.9
+52.18				80.8
+76	FL. 15" CM. Side Drain			
+78	FL. End of Sewer			
+80	FL. 18" X Drain			
B.M.		3.51		882.37

lt. 2 Pt.

79.7	79.7	79.5	80.7	80.8	80.6	80.8	80.7	81.3	82.0	82.3	✓
62	62	64	52	51	53	51	52	46	39	36	
50	36	32	28	12	10		9	17	34	50	

80.2	80.3	80.9	80.1	80.7	81.0	80.5	81.0	81.3	81.9	✓
57	56	50	58	52	49	54	48	46	40	
50	29	20	15	7		13	13	29	50	

Cord

78.9
7.04

58	55	58	50	80.9	80.8	80.6	80.8	81.1	81.2	✓
50	32	26	7	50	51	53	51	47	47	
				13	23	60		23	60	

Cord

79.4	80.1	80.8	81.1	81.4	✓
6.5	58	51	4.8	4.5	
50			50	100	

77.4
8.46

76.6
9.30

76.9
9.03
20

77.2
8.67
20

Spk. in PP. S.W. Cor 3rd + 9th St.

