

Book 82 Dr. 16

OFFICE OF COUNTY ENGINEER
RAMSEY CO. MINN.

PLAN

Survey

LARPENTEUR AVE

From W. Co Line To Wheelock PK

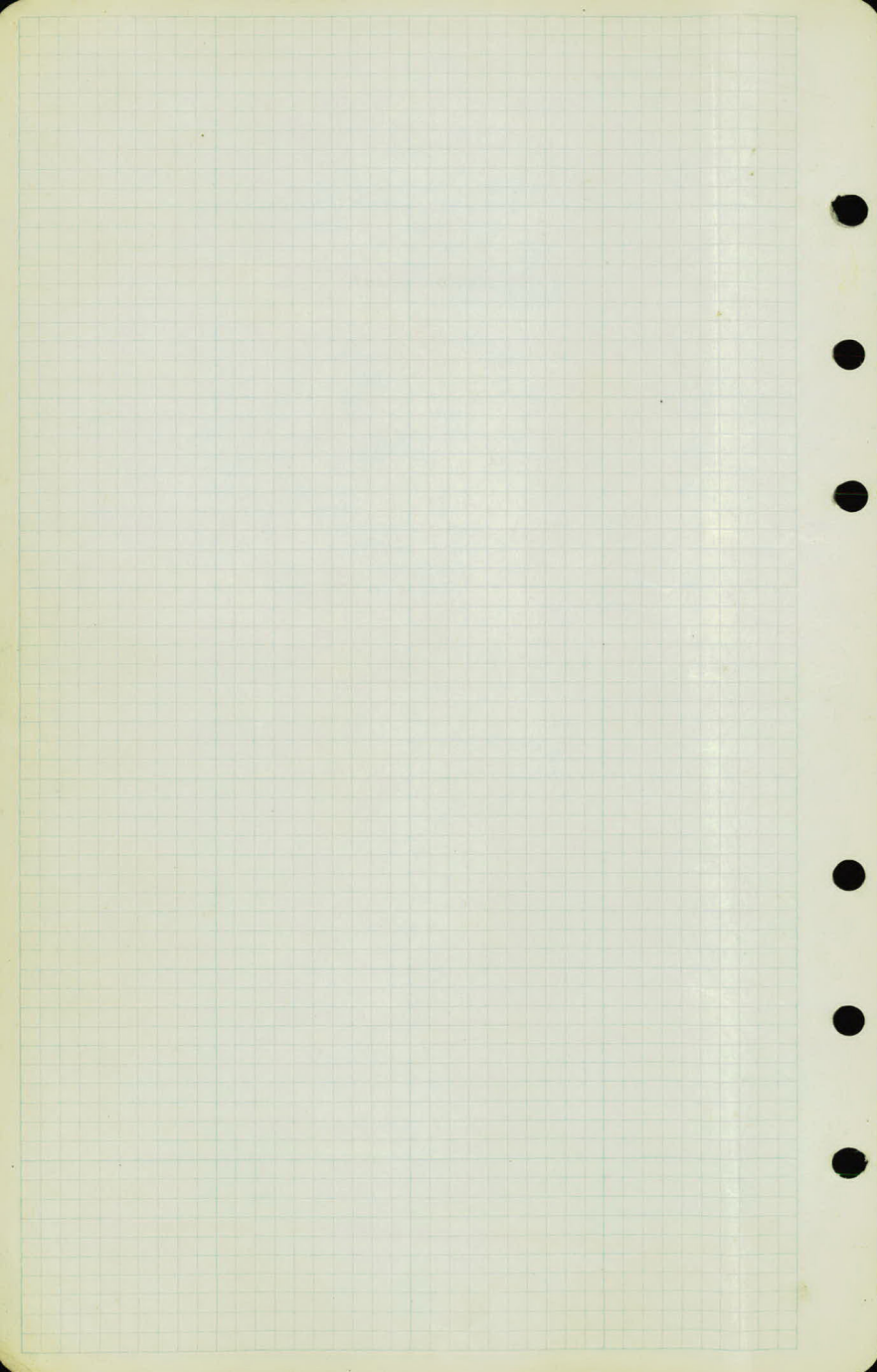
Road Acc't. No. 14 + 50

Date File 1-30-43

File

PLAN SURVEY
LARPENTEUR AVE
W Co. Line to Wheelock Pkwy.

INDEX.	Page
Align	- 1- 6
Topog	- 7- 44
T. Line	- 45- 46
Assestments	- 47- 144
Bevels & Levels	- 145- 147



Alignment

Sta	Point	ΔLt	ΔRt
79 +08.64		0°07'	

52 +81.85		0°09½'	
-----------	--	--------	--

26 +41.70		0°01'	
-----------	--	-------	--

3 +54.67 P.O.T. = $\frac{1}{2}$ Minn. Transfer Ry. Track

0 +00 = West Ramsey Co. Line

94° 34'

FC.
Cor

55.55'

57.61'

Cor Porch
Found.

New Brighton Rd.

Iron Peg.

5/4 Cor. Sec. 16

Cleveland Ave.

Mont

S.W. Cor. Sec. 17

72.32'

O.P.P.

Plate 5/4 Cor. Sec. 17

69.63'

O.P.P.

85° 26'

Set

Minor Transfer

S.W. Cor. Sec. 17 T29N R23W.

42.84'

38.93'

T.P.

P.P.

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

158 +10.69			1°41'
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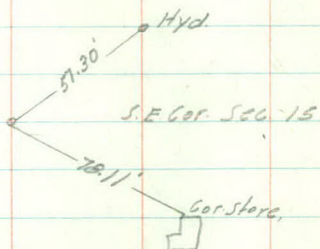
143 +04.3	P.O.T.		1°41'
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131 +97.15			0°29'
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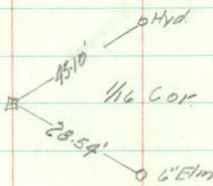
105 +35.05			0°18'
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92 +21.92			
-----------	--	--	--

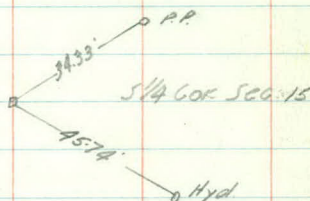
Lexington Ave



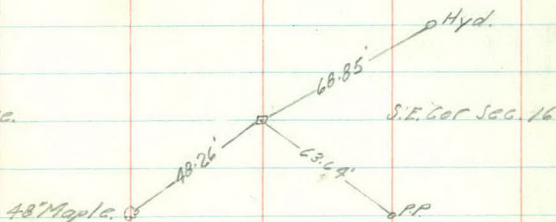
Mont.



Hamline Ave.



Snelling Ave.



Sta.	Point	Alt	Δ Lt
------	-------	-----	------

221	+93.11	P.O.T.	
-----	--------	--------	--

210	+80.2	1° 10'	
-----	-------	--------	--

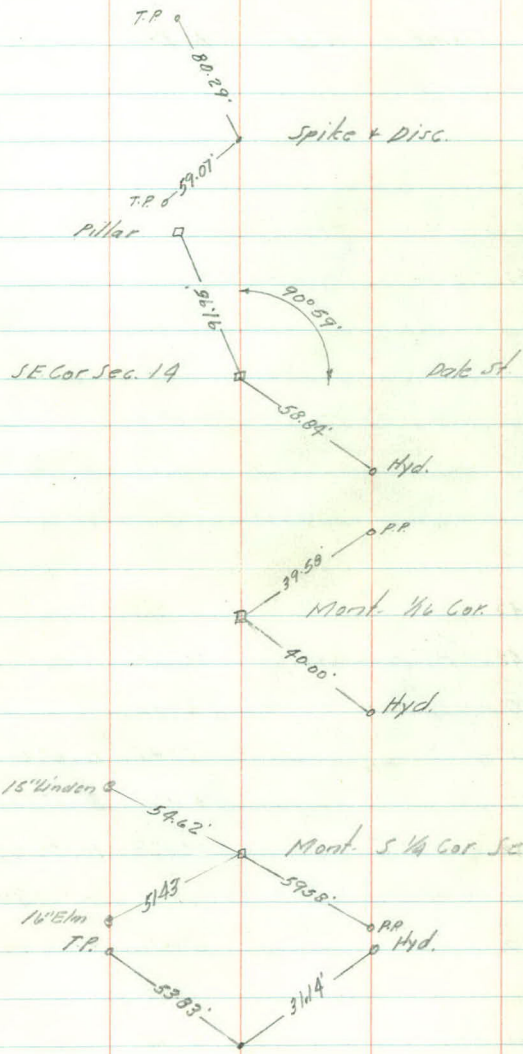
197	+66.03		
-----	--------	--	--

184	+53.20	0° 11'	
-----	--------	--------	--

169	+06.55	P.O.T.	
-----	--------	--------	--

40° Above.

1-30-42
K.R.
L.C.
C.F.



Sta	Point	ΔLf	ΔRf
-----	-------	-------------	-------------

237 +24.56	P.O.T.		
------------	--------	--	--

+72.62	P.T.	74.9	70° 5.5'	22.3
--------	------	------	----------	------

+50			6° 47'	
-----	--	--	--------	--

230			5° 47'	$\Delta 14^{\circ} 21'$
-----	--	--	--------	-------------------------

+50			4° 47'	D-4° -
-----	--	--	--------	--------

229 +2.81	P.T.		3° 47'	T-182.45
-----------	------	--	--------	----------

229 +93.15	P.L.			L-362.92
------------	------	--	--	----------

+50			2° 47'	R-1432.69
-----	--	--	--------	-----------

228			1° 47'	
-----	--	--	--------	--

+50			0° 47'	
-----	--	--	--------	--

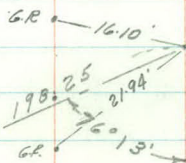
227 +10.70	P.G.		0° 00'	
------------	------	--	--------	--

70° 44' = 52.44

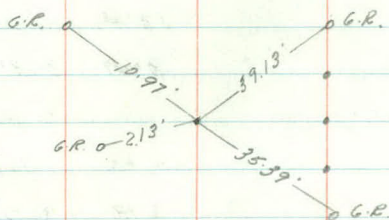
70° 04' = 07.56

41.3

37.3



? location
of corner according
to old notes.



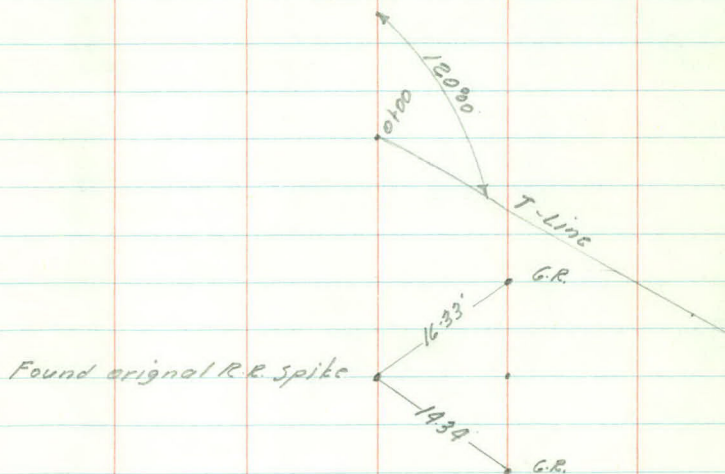
Sta.	Point	ΔLt	ΔEt
------	-------	-------------	-------------

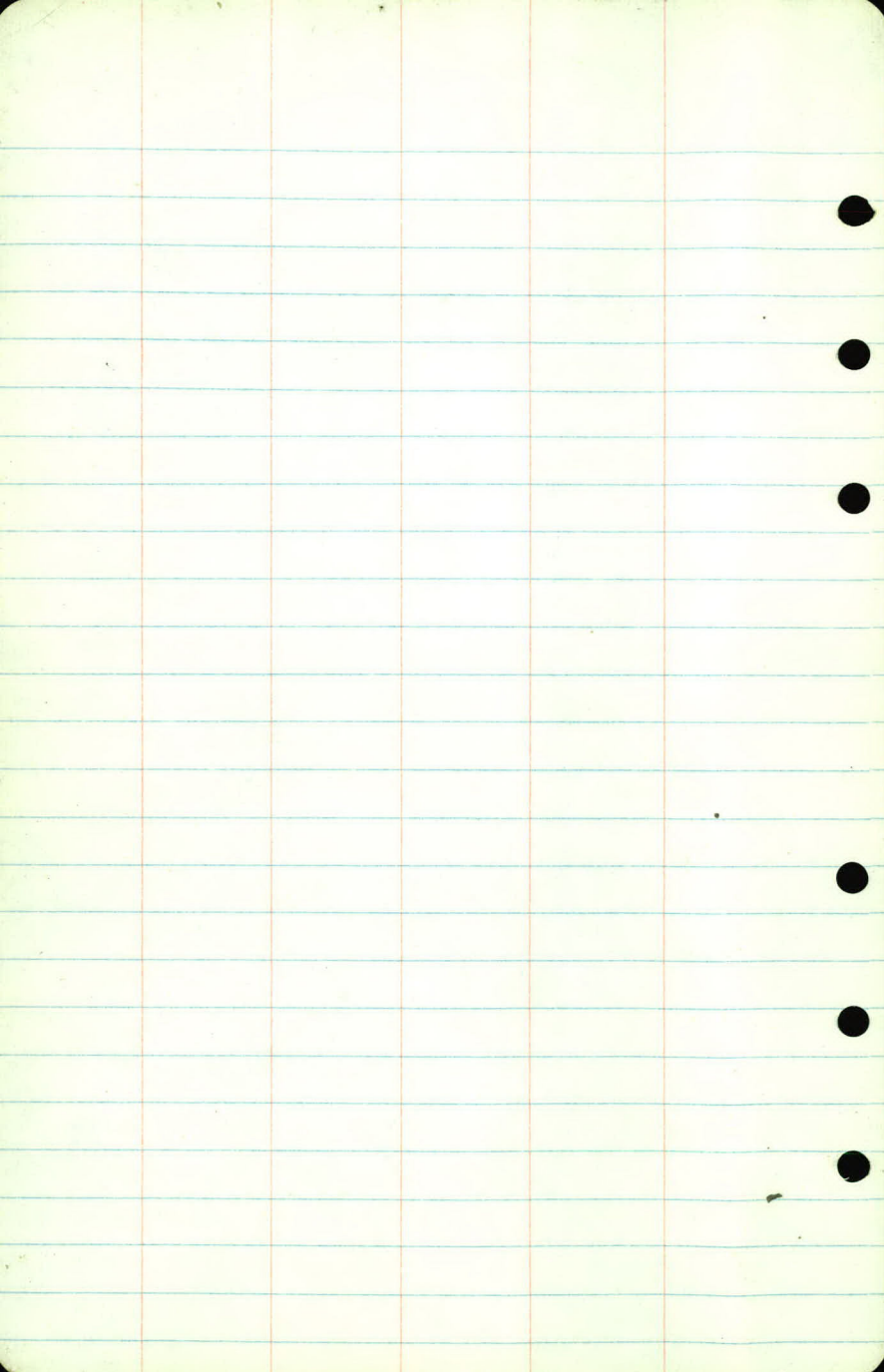
245 + 95.92 = $\angle$ Wheelock Pkwy.

	158.98	P.T.		14°35'	
	+50			14°13.4'	
243				12°15'	
	+50			10°12'	Δ - 29°10'
242				18°13'	D - 8° —
	+90.88	P.I.			T - 186.48
	+50			6°13'	L - 364.50
241				4°13'	R - 716.78
	+50			2°13'	
240				0°13.4'	
239 + 99.40		P.C.		0°00'	

2-10-42
K.A.
L.C.
C.F.
C.N.

6





Topography

+47-End Widening

+36.5-M.H.-9.5'
 +14-T.P.-46'
 +13-T.P.-30'-42'
 4 +102-Wing Wall-31'
 +97.7-Beg. Pav. 184' 196'
 +97.7-Cor. Bridge-25.6' 26.8'
 S.W.-19.3'-25.6' G.R. 185-193' G.R.-19.9' S.W.-20.7'-26.8'
 20.7'
 +93.7-End Carb-20.7'
 S.W.-19.4'-25.7' G.R.-19.4'-18.6' G.R.-19.9'-20.6'
 +13.3-Cor. Bridge 25.7' 26.8' S.W.-20.6'-26.8'
 +103-T.P.-60' +13.3-End Pav. 185' 196' +93.5-Beg. W. Wall-32'
 3 T.P.-46' +109.5-W. Wall-37.9' P.P.-3.3'
 +93-T.P.-43' +96-T.P.-29'
 +74-M.H.-10.5'
 +64-Beg. Widening +65-Ent.

2 +17-820.Fc-31'

175-Edge Ent.

+67-Ent.

Edge Ent. 2
 +30-Cor. Retain. Wall-35.3'

+99-F.P.-32.5'

1 +100.5-M.H.-9'

+36.5-M.H.-9'
 +57.5-Beg. Retain Wall-35.3'
 +52-Grill Curb Walk-33'
 +50-Pav-10'
 +105-M.H.-22' +109-Cor. Pav.-17.3'
 +108-End Carb-26.5' +105-M.H.-10.5'
 +103-End 3 Curb. Pav.-20.5'
 +105-M.H.-2'
 0+00 +100.8-Cor. Pav.-18.7' +100.8-Edge Carb.
 -15-End Carb. Rad.-29'
 -16-Beg. Curb Rad.-26'
 -27-End 20 Carb. Rad.-25.7'

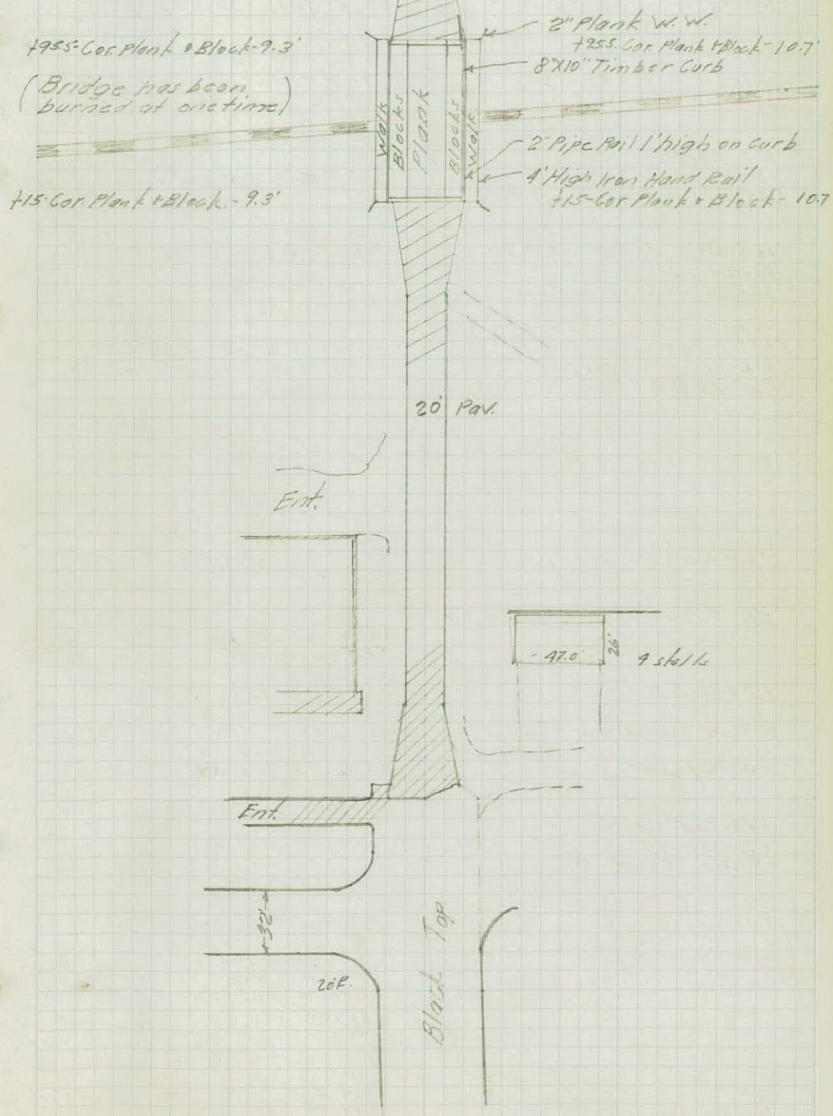
+98-Built Mark. Wall-40.5'
 +94-M.H.-24.9'
 +71-N.W. Cor. Car-4.5.5'
 +50-Pav.-10'
 +12-Ent.
 +103-M.H.-14.5'
 +106-Edge Pav.-13'
 -01-M.H.-11'

-78-Beg 20' Curb Rad.-29.2'

Curb-24'

Curb-30'

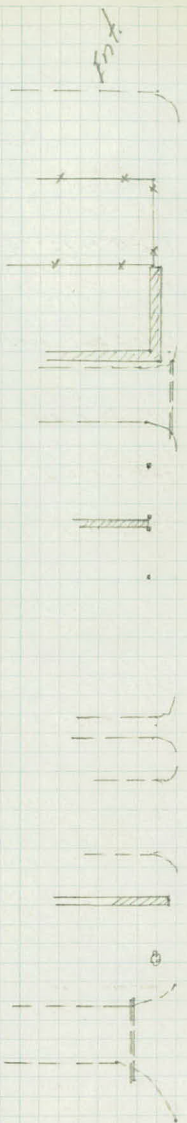
54' between Curbs.



Int.

Filling

sta.



uncult.

uncult.

or

+80-3" Tr. Plum-24'
+73-4" Walk-21.6'

+53-1 1/2" Walk-23.2'
+45-12" Maple-36'
+82-10" Maple-36'

+104-2 1/2" Walk-20.8'

17

+18 Rod-19'

16

+73-Range Tie → +79-Rod-38'

+63-Rod-21'

+47-18" B.E.-31' 12" B.E.-28'

+17-2" Drive-31.3'

+12-2" Drive-31.3'

+66-15" B.E.-30'

15

+92-3" Walk-34.4'

+60-Ent.

+30-1" Retain Wall-36.4'
Eod. Parking area

14

+60-Rod-20'

+38-Surface drain-32.5'

+60-M.H.-13' +50-Rod-42'

13

End Slab 7

+92-End S.W.-27'

+93-End Curb-23'

+87-Cor. S.W.-26.8'

+91-Curb-17.7' Cor. S.W.-27.27' End Curb-30'

+50-Curb-37.9'

End Conc. Slab-17-10'

+41.5-End Curb Rod-13'

+39-Reg. Curb + S.W.-33'

+36-Reg. Curb-27'

S.W.

12 +01-Cor. Conc.-10'

+59-PP-31' Nursery-39'

+31-Ent.

+79-End Hedge-24.5'

+75-8" Pine-33'

+64-Reg. Hedge-23'

+57-6" Pine-31'

+50-End Hedge-26'

+22-15" Barwood-22'

+87-PP-31'

+82-Reg. Hedge-25'

+53-15" Barwood-21'

+53-Cor. Hedge-24'

+30-Ent.

+45-Cor. Conc. Rishes-47'

+32-10" Conc. Rishes-21'-34'

+33-12" Pine-31'

+31-10" Pine-31'

+61-12" Pine-27'

+54-15" Rod-20' +57-12" Pine-25'

+87-Cor. Conc. Rishes-21'

+32-12" Pine-24' PP-30'

+59-End W. den. sig.-10'-14'

+56.5-Ent. Rod-11'

+44-PP-32'

+33-8" Reg. 2" Rod-34'

+12-Cor. Valve-35'

+10-Cor. Valve-35'

+07-Cor. Valve-14'

+95-Spr. 23' Rod-34'

+01-Hydr. 46.5'

+94-Cor. Walk-23.8'

+89-Cor. Bulb-32.8'

+95-Reg. Rod-11'

+67-Cor. 28.8' Cor. Bulb 32.5'-36.5'

+59-Cor. 26.5'

+56-Cor. 29-37.5'

+59-Cor. Bulb-32.5'-37.5'

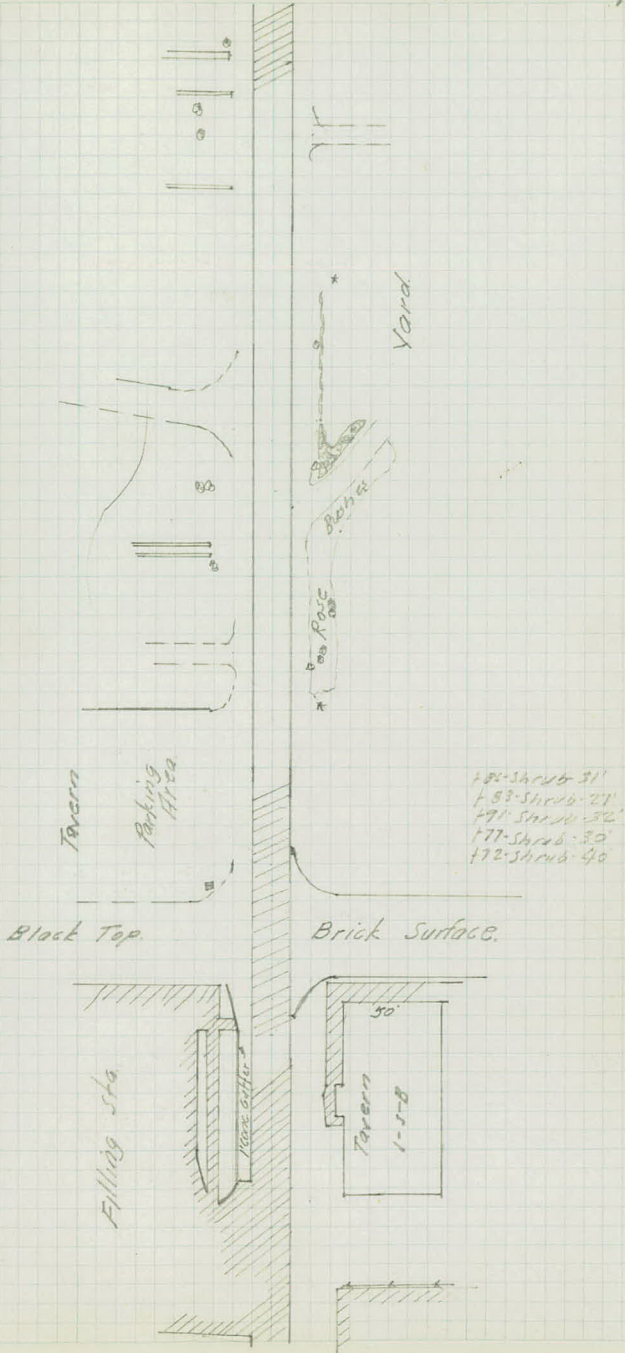
+38-Cor. Bulb 37.0'

+22-Ent.

+15-PP-32.5'

+02-4" Rod-37'

+19-Cor. Conc.-32.2'



771-PP-31'

24

+50-Ent 12" X 20' C.M. - 26'

+40-PP-32'

23 Nursery - 42'

Nursery - 36'

22

+13-PP-31'

21 Nursery - 44'

~~+12-PP-31'~~

Nursery - 37'

+92-PP-32

+44-X Drori 34" X 54.5' long. +48.5-Reg. Pav. 25.5' 29'

+59.7-End Pav.

End Rod. - End Culy.

+20-Rod-16'

+37-Reg. 5' Rod in Ditch - 34'

+16-End 12" C.M. - 30' 12" X 19'

20 +10-End 12" C.M. - 27' 12" X 19'

+94-Rod-43'

+71-Rod-43'

+35-13" O. 41'

+46-Rod-19'

+51-PP-32'

+35-15" O. 41'

+21-Fc. - 22'

+16-6" Pipe - 23'

19 +02-Pine Shrub - 23'

+94-Pine Shrub - 23'

+83-6" Pipe - 21'

+04-End Rod Ditch - 35' 10' Rod.

Masonry Ditch 2.5' Bot. Lem.

+94-Ditch Beg. End. - 45'

+54-PP-31.5'

+37-Hedge - 27'

+08-3' Walk - 23.8'

18 +03-Hedge - 24'

+101-Hyd. 40
+94-Gl. 2.5 X 2.5 Mason. Pillar - 34
Ent. - 12 X 38 G.M. - 22
+68- 2.5 X 2.5 Gl. Mason Pillar - 34
+62-End Shrubs - 10 - 28

+50-12"O-36- 24"O-49

31
+10-Beg. Shrubs - 39-40

+92-3-6 Birch - 44
+75-3-8 Birch - 46

+79-PP - 32

30 End Poor Pav.

+97-6"O-41' 10"O-44'
+95-Beg. Fe. 10"O-40'

+91-10"O-40'
+71-10"O-43'
+51-PP-32'
+29-12"O-41'
+05-12"O-39'

29
+86-12" Birch - 48
+66-12" Birch - 39
+60-10" Birch - 41
+65-End Shrubs - 28
+75-Beg. Poor Pav.

+35-Shrubs - 55 - 28
+30-Gl. 5 Wide Mason Steps - 41-30
+26-Shrubs - 46
+21-Shrubs - 30
28 Shrub - 37-42

+94-PP-32'
+25-Ent.
+17-End Fe. - 40'

27

Beg. Shrub
+74-Fe. - 36
+69-End 24" Cor. Cult. - 23
+54-Fe. - 44

+75-Fe. Cor. - 33'

+14-End 24" Cor. - 22-6
+103-Cor. Nursery - 42
+30-Fe. - 46
+10-Fe. - 13

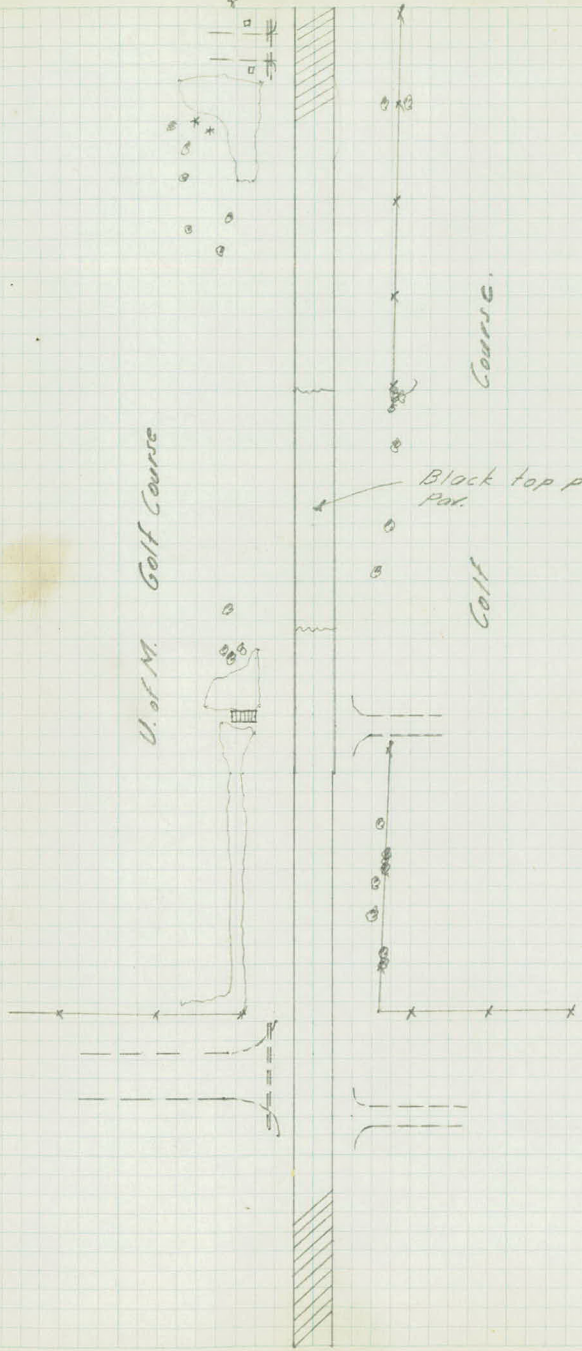
+20-Ent.
Cor. Nursery - 37'

26

+00-PP-32'

25

U. of M. Golf Course



Course.

Black top patches in par.

Golf

+88-15"O-39'

+45-Path-

+46-18"O-39'

+45-X Path-33'

39 FC-33

FC-36'

+89-PP-32'

37 FC-33'

FC-38'

+80-PP-32'

36 FC-33'

+87-8"O-43'

+87-15"O-31'

FC-40'

+65-Ent

+95-8"O-33'

+70-10"O-34'

+65-Ent

+55-PP-32'

35 FC-33'

+20-5"O-34'

+10-10"O-37'

FC-41'

+52-FC Cor-33'

+77-5"O-39'

+70-8"O-34'

+49-Range Tie

+38-PP-32'

+25-5"O-42'

34

+38-Ent

FC-43'

+95-15"O-51'

+74-15"O-49'

+48-10"O-37'

+21-PP-32'

33

+02-FC Cor-33'

FC-45'

+78-X Drive 15" X 53' Vit

28 30'

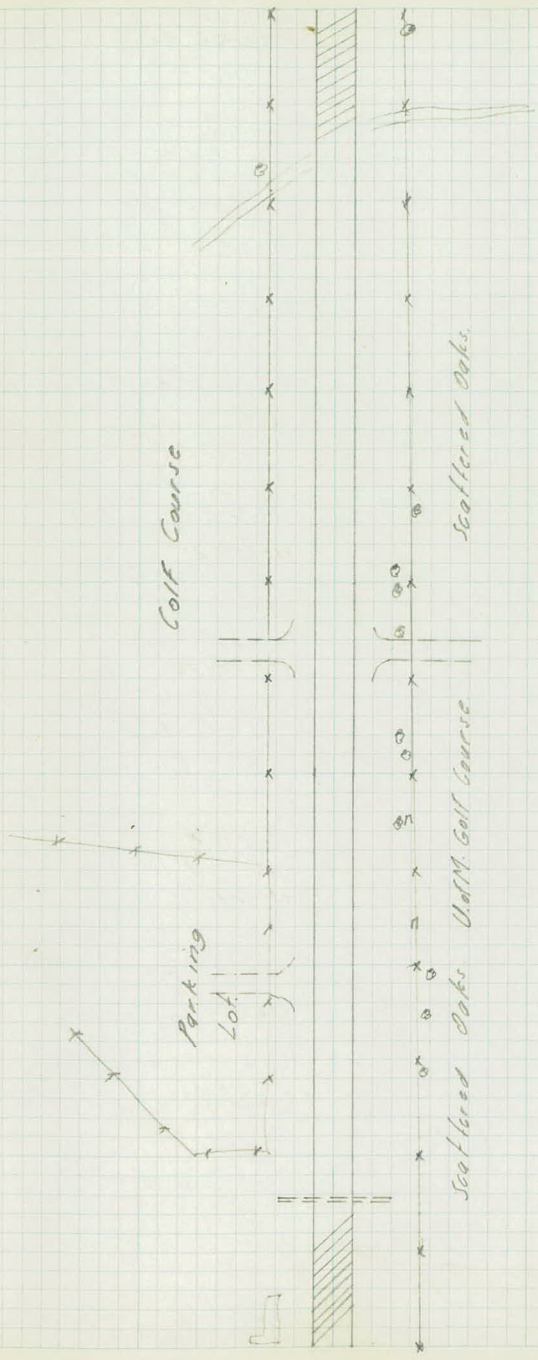
+26-Shrubs-29-28'

+02-Shrubs-40-29'

+04-PP-32'

FC-45

32



Golf Course

Parking Lot

Scattered Oaks

Udall M. Golf Course

Scattered Oaks

+70-FC-33'

+52-19"D-34'

+44-Ent 12"X20"Cor-26'

+31-54-31'

+21-54-31'

+09-3"D-31'

45

+95-54-30'

+93-8"D-33'

+91-54-32'

+71-6"BE-35'

44

43

+89-TP-32 FC-34'

42

+19-PP-23'

+06-54-33'

+74-Ent

+32-24"BE-34'

41

40

+108-X Dim 120"X 67"Cor-35'

+61-FC Cor-33'

39

+90-End Pav

+97-Lillies Hedge-40'

+12-15"D-36'

+35-Ent walk

+71-PP-32'

+62-Ent 12"X 22"Cor-28'

+59-15"D-33'

+27-10"BE-34'

+25-15"D-32'

+17-10"D-31'

+10-15"BE-33'

+94-15"BE-41'

+97-8"D-27'

+86-15"D-27'

+63-10"Tw BE-33'

+50-PP-32'

+37-12"BE-35'

+33-15"D-25'

+32-12"BE-35'

+57-PP-32'

+51-PP-32'

+34-Ent

+35-PP-32'

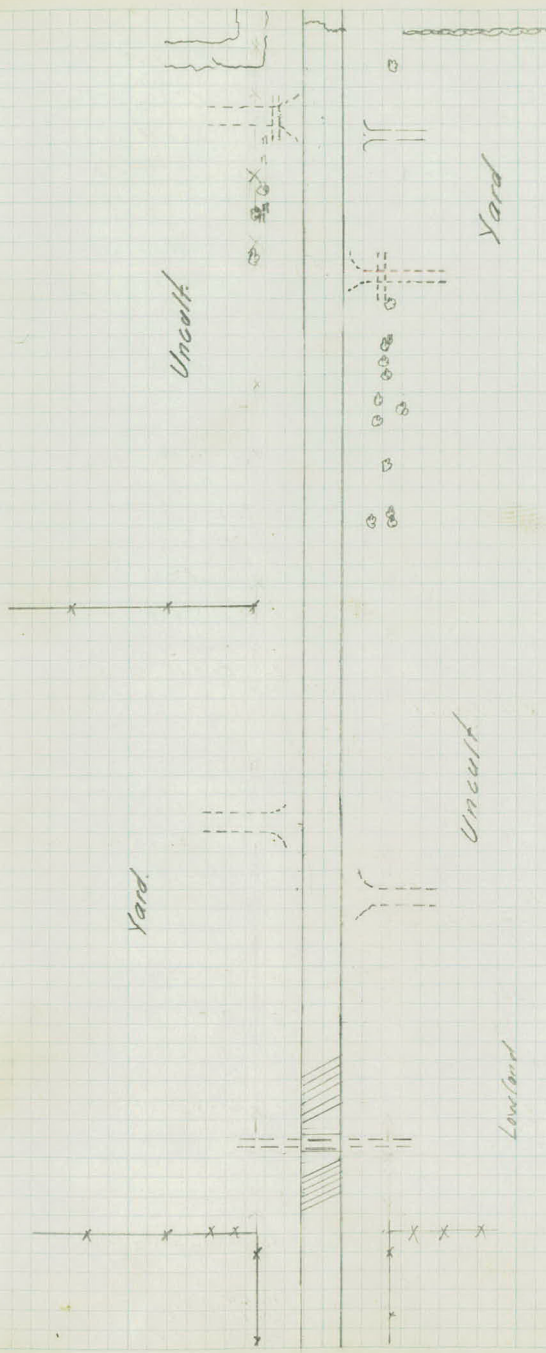
+11.5825 Pav

+30' 35'

+08-End Pav

+61-FC Cor-33'

+21-PP-32'



Yard

Uncult

Uncult

Yard

Lowland

150-Fc Cor-34

35

- ✓ 155-End C.M.-32'
- ✓ 151-Δ 10' Fe-42'
- ✓ 158-End 12' C.M.-29'
- ✓ 141-Δ 10' Fe-24'
- 130-Fc-10-11' 50'R.

End Floor --- 255' - 241'

✓ 109-Mono. C.M. 2.2'Hg 6' X 4' Wide

52 End Barrel --- 196' - 21' 106-R.P.-93'

- 186-Ent. 12' X 8' C.M.-28'

135-15' Elm-33'

51

117-Fc Cor-33.7'

- 171-12' BE-32'
- 182-PP-32'
- 162-12' BE-36'

150-8' Elm-34'

132-8' Elm-33'

50 Fc-33'

Fc-33'

193-8' Maple-34'

- 168-PP-32' 100' Fc.
- 157-Ent. 15' X 20' C.M.-29'

134-Ent.-6' X 15' Vlt-27'

49

- 199-PP-30' 147-Fc Cor-35'
- 177-Ent.-12' X 20' C.M.-27'
- 129-S.W.-34'
- 114-T.P.-31-Fc Cor-32'
- 103-Hg-24'

48 Ent.

190-End Shards-26' 34'

160-10' Elm-36'

143-PP-33'

191-T.P.-33'

177-Ent.

- 136-5' Pine-35'
- 131-5' Pine-33'
- 118-5' Maple-33'

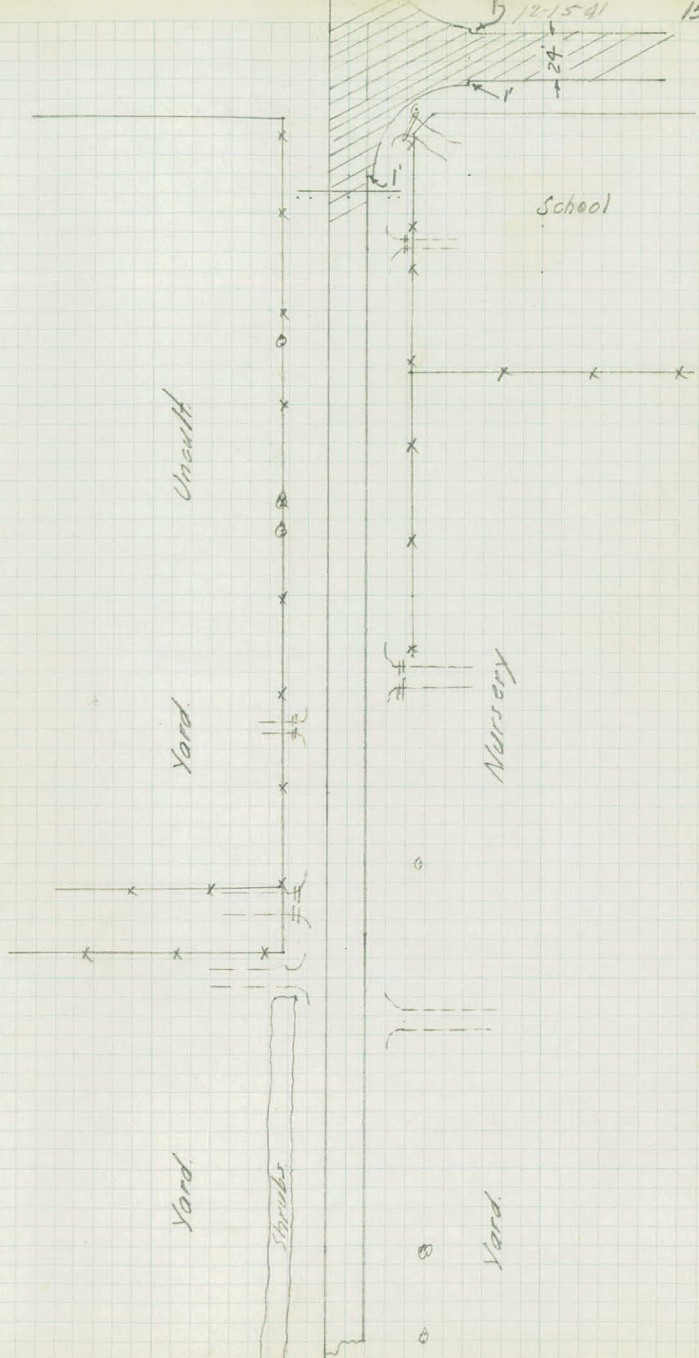
47 Shards-28'

187-PP-32'

158-Grp B-S Elm-40'

- 113-20' Maple-40'
- 108-PP-32'
- 110-Fc 9' Pox

46



School

Uncult

Yard

Nursery

Yard

Shrub

Yard

+94-Ent-12"X20"CM-27'

+95-Ent Fc-34'

End Floor--

24.5'

~~24.5~~ 25.4'

+52.5-Mono. Culv. - 2.2' High - 4' Wide

End Barrel - 20.6' - 20.7'

+32-PP-32'

59

+11-PP-32'

58

57

+90-PP-32'

56

+68-PP-32'

55

+46-PP-32'

54

+42.8-Par-10-11' 50' E.

+15-Par Cor-34'

+13-PP-44'

+15-PP-32' Fc. Cor-34'

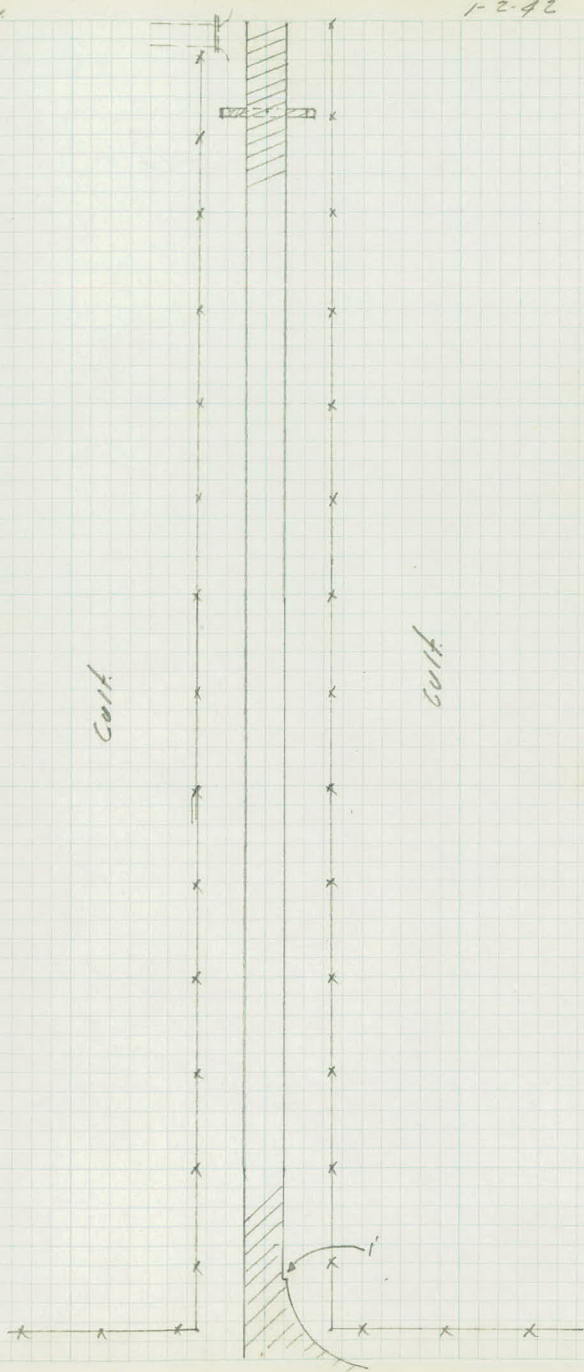
53

24' Par

30°/20°

1-2-42

16



Hermos Floral Co.

+58-PP-33'

+37-W Edge Ent + Parking Lot

+20-Ent.

66

+33-PP-

65

+60-Ent.

+14-PP-33'

FC-33

64

63

+92-PP-33'

+37-Ent. - 12'x20'CM-20'

FC-33'

62

+72-PP-33'

61

+52-PP-32'

60

1-28-92
R.H.
L.G.
C.F.

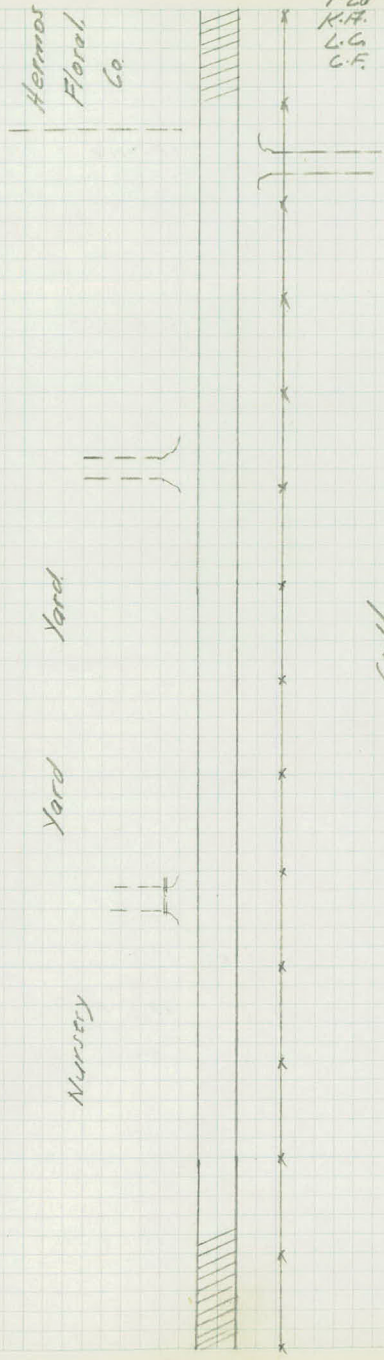
Hermas
Floral
Co.

Yard

Yard

Nursery

Colt



+83-PP-32'

+37-15"BE-41'

73

+95-Ent-12"X20'CM 28'
+88-24'Conc. Walk-35.4'
+73-15"BE-39'

+65-PP-

+50-12"ASH-40'

+33-6or Hedge-50'

+26-Ent-12"X20'CM
28'

72

+70-Beg. Hedge-50'

+97-End Hedge-50'

+42-PP

+20-Ctr-4'Wide Plank Xwalk-32'23'

71

+88-Beg. Hedge-50'

+62-Approx. to Torum St. 18"X37'Conc
23'

70

+16-PP-

FC-33'

+12-Ent-12"X20'CM
28'

69

+97-PP-

+49-Ent-

68

+60-E. Edge Ent.

+76-PP-33'

67

Gravel Top

cult

Yard

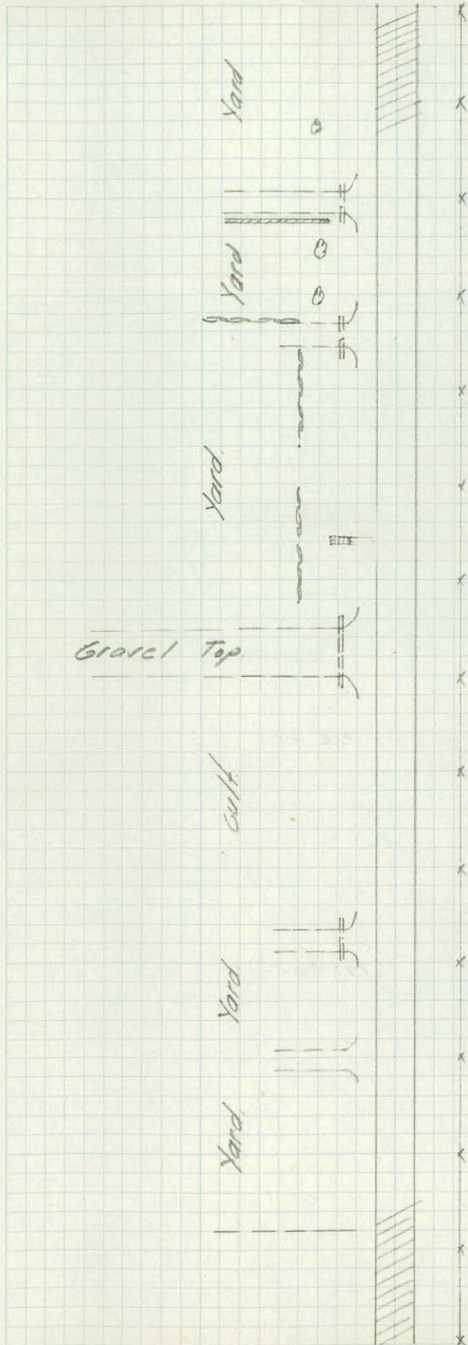
Yard

Yard

Yard

Yard

cult



80

+25 PP-32'
+21 Shrub-36'
+17 Shrub-36'

79

+52 Fe Cor-35'
+41 End 18" Conc Curb-30' +48 Rod-30'
+20 Rod-49' +33 N.W. Cor Ho-52'
+98 Rod-60' +21 Ent-15"X20"CM-28'
+75 End 18" Conc-30' +75 Rod-22' +08 Lilliac Hedge-36'
+98 PP-32' +96 Shrub-33'
+92 Shrub-33'
+74 Shrub-33'
+70 12" Ash-40'

78

+42 G.P-32' +43 Fe Cor-33'
+42 PP-

77

+12 End Trees-33'

+60 24" B.E-36'
+50 Ent-12"X20"CM
29'
+31 Shrubs-39'

+31 PP.

76

+97 Bag Row 5' B.E'-33'

+98 Ent-15"X20"CM
28'

+67 Ash-15"X20"CM
39'

+32 24" B.E-41'

75

+09 PP-32'
FC-33'

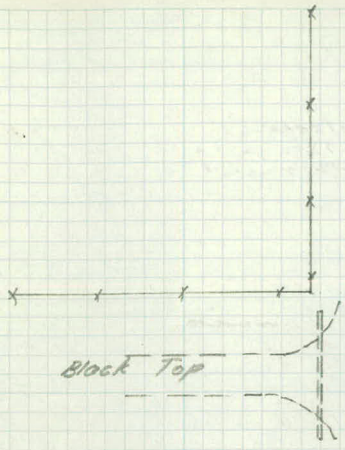
+40 18" B.E-40'

+18 18" B.E-36'

+04 Ent-12"X20"CM-29'

74

16 Trees
4" Dia.

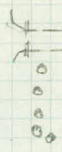
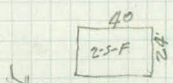
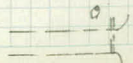


Block Top

Uncult.

Yard

Yard



Uncult.



Cult.

87

+36-PP-32'
 +29-Bow/2'E/m-46'
 - +17-Ent-15"X20'CM-28'
 +04-15' Ash-40

+77-12" Ash-39'

86

+97-PP-

- +39-Ent-15"X20'CM
 28'

85

Fe-34'

84

+55-PP
 +43-18" Elm-39
 - +14-Ent-15"X20'CM-28'
 +29-2' Wide Conc. Walk-33'
 +01-8" Elm-35'

83

+17-Beg. Pav. +12-PP-
 End Pav.

+01-Ent-

82

- +94-Ent-15"X20'CM-29'
 +70-PP-32'

- +36-Mono. Col. V. End Floor - 26' 26'
 End Barrel - 21' 21' 4' wide 15' Deep.

81

Black Top Patch

Cult.

Yard.

Cult.

Yard

Cult.

Cont. Next Page.

+90-6" Elm-35'

+31-6" Elm-35'

+29-PP-

+28-Masonry wall-22.5'

- End 15' C.M.-27'

90 FC-34'

+Bubble Wall-21'

- +76-End 15' Long. Cul.-28'

89

+96-PP-32'

- +57-Ent-15"X26' C.M.-28'

88

Cult.



Nursery



Yard

+79-36" Maple - 39'

+79-24" Maple -

+59-18" Maple -

+39-24" Maple -

+19-36" Maple -

97

+99-36" Maple - 40'

+06-PP - 32'

- +39-End 15" C.M. - 29'

- +09-End 15" C.M. - 37.6'

- +57-Mono. Culv.

- +43-End 15" C.M. - 28'

End Barrel - 25'

End Floor - 21'

96

+40-Fc. Cor - 34'

+37-PP -

95

+90-Stamp - 37'

+10-Ent.

+61-End 12" C.M. - 29'

+23-Ent.

+End Rubble Slope - 34' 31"

+End Hedge - 35'

+14-PP - 23'

94

+35-18" Linden - 37'

+74-18" Basswood - 37'

+59-Cor. Hedge - 35'

+54-Fc. Cor - 33' (39') Rubble Slope 31'

End Floor - 25'

End Barrel - 21'

+32-Mono. Culv. 4' wide

+34-Fc. Cor -

+67-PP -

25.4'

21'

+29-Fc. Cor -

93

+23-Fc. Cor - 35'

+22-PP -

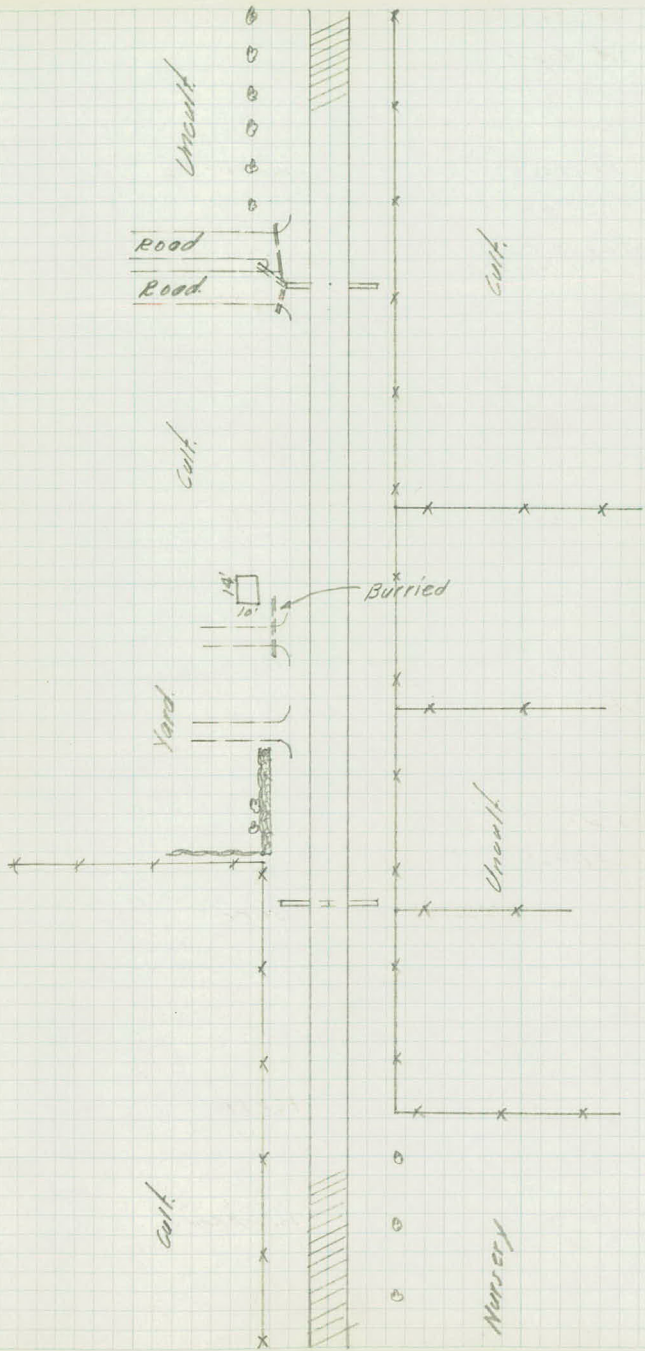
92

6" Elm - 36'

+65-6" Elm -

+28-6" Elm -

91



+75-50' Red-60'
+78-Edg & Ent
+81-5fp-36'

+21-15" Tree Dead - 36'
104

+70-Red Ent
+64-36" Maple-36'

103
+90-24" Maple-37'

+64-Ent
+58-30" Maple
+33-30" Maple-

102
+92-30" Maple-

+53-24" Maple-
+33-5fp-

101

+76-5fp-
+56-24" Maple-
+35-18" Maple-

+66-Approx E St. Marys St. 15x36" Eng 28"
100

+58-30" 5fp-
+38-30" Maple-
+18-18" Maple-

99
+99-30" Maple-39'

+58-30" Maple-
+49-Ent-15"X20" CM-29'
+38-24" Maple-
+18-18" Maple-

98

+79.7-Pav-10-11-35 Red-46'
+79-PP-31'
+71-15" Elm-52'

+43-Δ in Hedge-46'

+17-30" Elm-36
+66-Range Tie to Hedge.

+44-PP-

+5 Red Hedge
+17-Chr 3'X3" Pillar-47'
+02-Chr 3'X3" Pillar-47'

+90-Δ in Fc-39'
+36-PP-

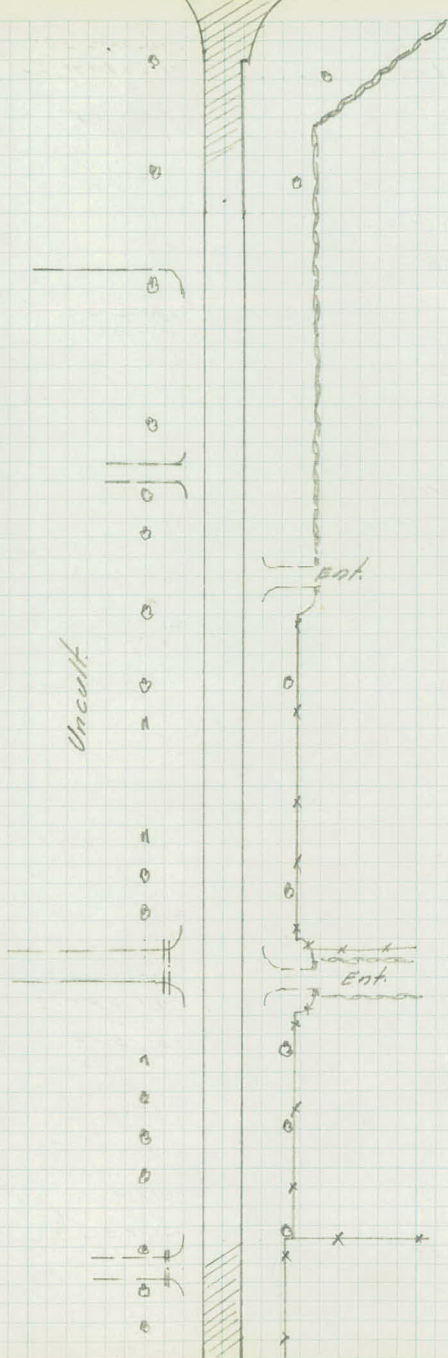
+57-30" Maple-35'

+45-30" Maple-35'
+31-PP-
+19-Δ in Fc-28'
+07-Chr 3'X3" Pillar-47'
+92-Chr 3'X3" Pillar-47'
+81-Δ in Fc-38'

+63-30" Maple-34'

+22-18" Maple-34'

+77-PP-28'
+67-24" Maple-34'
+63-Fc Cor-33-37'



+95-C.B.-94'
+81-Ornamental Light P.-52'
+72-M.H.-34.5' 4'X4' Conc Box.
+54-Cor Sd.-82'
+44-Ctr 3'X16' Conc Pump Base.-59'

+89-PP-32'
+72-Mono. Culv.-4' wide 22' deep.
End Box CI-21'
End Floor-26.8'

111

+88-Ent.-46' FC-52'
+82-End 24" C.M.-36'
+78-Ent.-22'

+89-PP-

110

+35-End Driveway
+89-End 15" C.M.-35'
+31-Cor Bldg.-59.5'
3 S.W.

+39-PP-

109

+15-PP-
+05-Ent.

108

+99-Cor Sw.-59.5' Store.-87.5'

+36-M.H.+S.D.-35'

+107 Beg. 15" Conc. Culv.-44'
+93-End 18" C.M.-46'
+91-G.P.-40'

+87-PP-32'

+53-End 18" C.M.-54' B.Tor.-42'

+60-Ent.

B.T. Top-26'

106 B.T. Top-9'

+89.2-Par 10' 11" 35' Rd.-46'

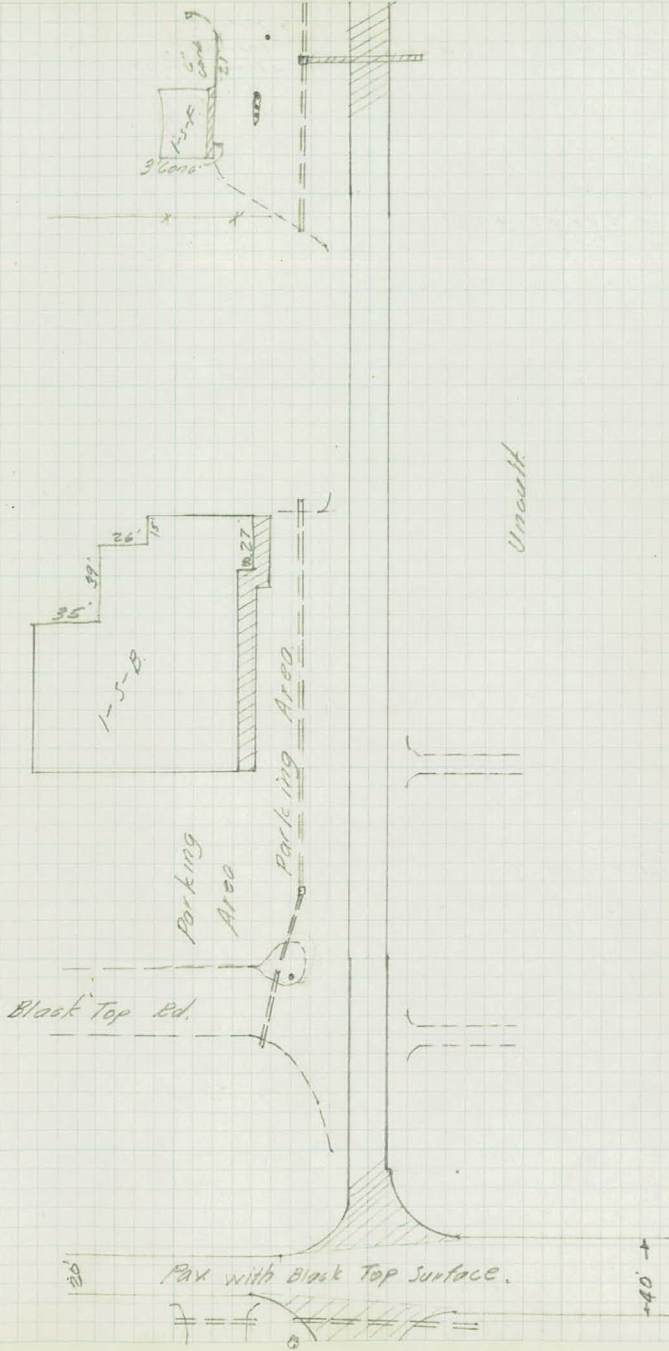
+67-PP-32'
+64-M.H.-28'

+72-35' Rd. Pt.-45'
+66-Gate Valve-35'
+62-PP-39'

+11-End 12" Conc.-38'
+105-42" Manhole-37'

+09-End 12" C.M.-56'

240.74.



+88-P.P.-32'
Approx. 22' Top
+62-Approx. & Porcal Ave. $\frac{16" \times 20' \text{ C.M.}}{35'}$ +67- & Porcal Ave So. $\frac{15' \text{ E.}}{15' \text{ E.}}$

+11-Walk- $\frac{12" \times 8' \text{ Conc.}}{34'}$
118

+91-Gate Valve-44'

+47-P.P.-

117

+66-P.P.-

116

115

+46-12" x 8' Conc. Culvert 4' Conc. Walk 49.6' +68-P.P.-
Rubble Walk 19.4'

+25-Gate Valve-44'

114

+29-P.P.-32'

113

+48-Hyd-22' Rod-20'
+36-For 24" C.M.-35'
122-Rod-50'

112

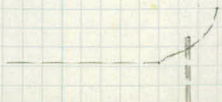
+10-Approx. & Arima Ave.

Yard



Uncont.

Yard



+97-24" Conc. Walk-50.5' $\frac{15" \times 6' \text{ Conc}}{25'}$
+67-Hyd.-23'
+61-End 18" Conc. Curb-35'
+60-G.P.-33' +59-PP-32'
+48-End 12" C.M.-55' 21' Top 15' Box
+31-Approach & Albert St. 18" x 30" C.M.-35'

+14-End 12" C.M.-54'
125

+67-Chr. 3' x 17" Conc. Pump Base-68' +59-31'
+61-End 18" Conc.-34'
+52-End 18" Conc.-34'

+11-End 18" Conc.-34'
124

+19-Ent.-15" x 32" C.M.
34'

123 +93-PP-

122
+98 Approach & Holton Ave
18" x 40" Conc
34'

+74-PP-

121

+30-PP-32'

120

119

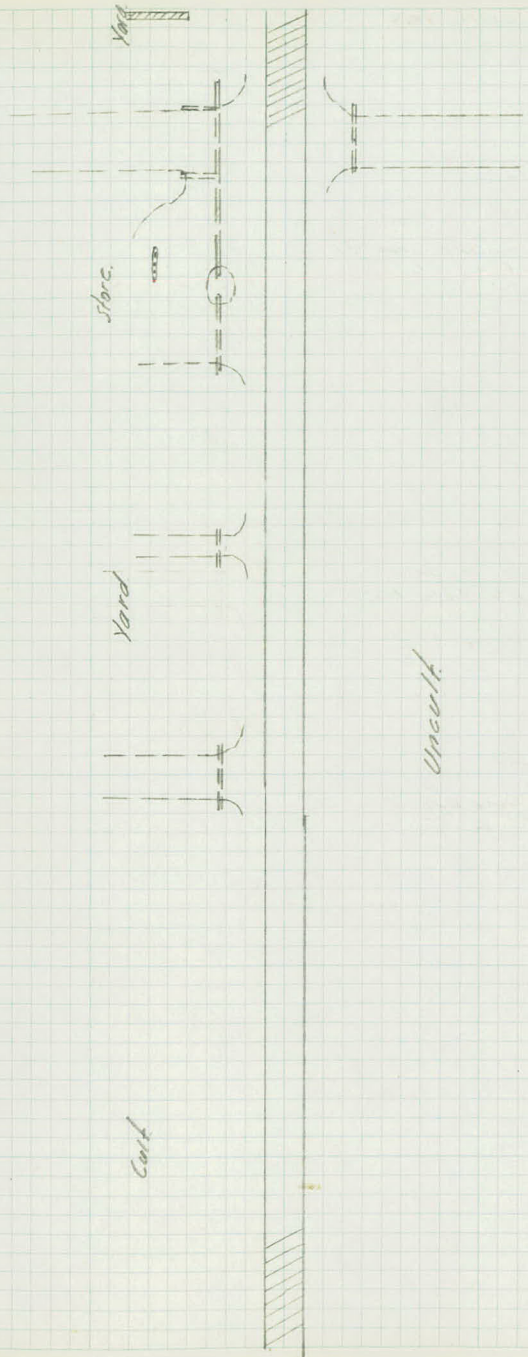
Yard

Store

Yard

Cart

Uncult.



192-Div Mason. Slope-38'

167-Cor Ho. 51-S.E. End Fe-39.5'
Wood Picket

+57-PP-23'

133 Top Mason. Slope-33'
+04-TP-32'

+074-End Curb-10.4'
Cor Bldg.-64'

+89-Cor Pop. Stand-38.9
+89-Masonry Box Slope-31'
+58-End 24" C.M.-25'
+38-Rod-34'

+96.3-Curb-15'
+36-Curb-20'
+70-Curb-37.5' Cor Bldg.-46.6'
+36.2-Curb-20'-44' +42-Curb-33'
+31-Curb-15'-46.5'
+34.5-Beg. Curb-10'
+14-Beg. Curb-39.5' +16-PP-30'

132
+92-47' 50'
+70-25' 32' +75-Hyd-39'

+58-End 24" C.M.-35' +58-PP-32'
+51-PP-32'

+14-PP-32' +35-BITOP-14'

+08-PP-32'
+30-PP-32' End 2 Conc Drives-45'
+97-18"X20' Conc Curb-35'

+10-PP-32'

+61-Hedge-48'
+51-2 Conc Drives-49'
+46-10"X20' Conc Curb-34'

129
+87-Ctr-7' Conc. Drive-49.5'
18"X20' Conc-35'
+90-Cor Hedge-50' End-60'

+53-PP-32'

+24-2 Conc Drives-50'
+19-22-End-18"X20' Conc-35'

128
+65-Beg. Hedge-49'
+65-End 18" Conc Curb-35'
+58-Ctr. 2 Conc. Drives-46.6'
+53-PP-32'

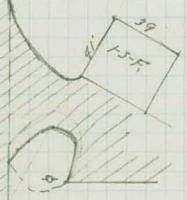
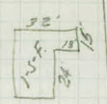
+05-End 18" Conc Curb-35'

PP-32'

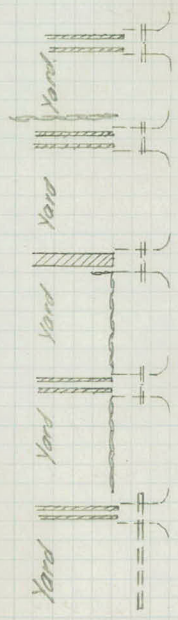
126
+116-Pine-52'

See Plans for inside
Edge of Gutter

1-28-46
K.H.
L.C.
C.F.



See Hamline Ave Survey
For Block Top Surface



Uncult

+82-X Drain-21" Vit 31' Burned

140 Fe.-45'

+59-P.R.-

139 Fe.-

Beg. Dump

138 Fe.-47'

H11-P.R.

137 Fe.-50'

+22-Shrub-30'

+90-Fe-61'

+66-P.R.-

136 +01-End Masonry Slope-28'

H13-Ent.

+97-Fe. Cor-61'

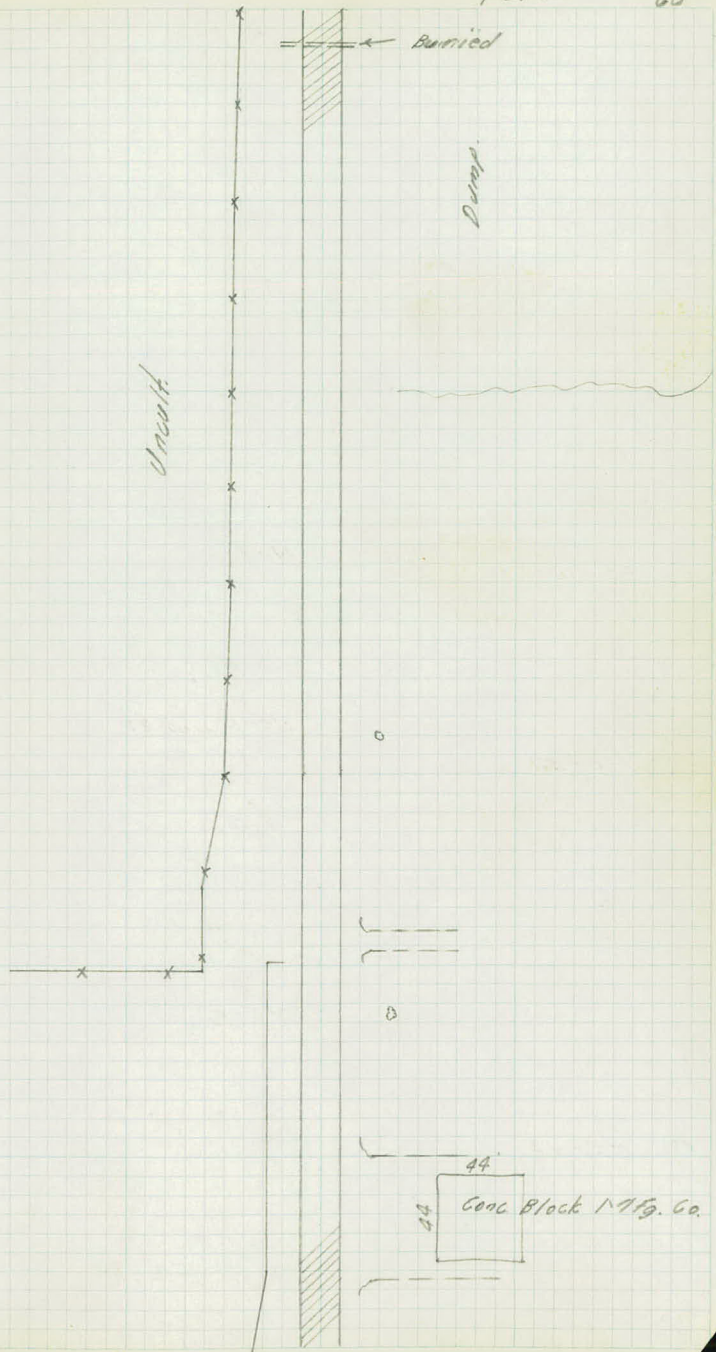
+75-Group 5-8 Willows-36'

135 Mason Slope-28'

H16-P.P.-28'
Edge Ent

+40-Δ in Mason Slope-29'

+45-Cor Plant-60'
+34-W. Edge Ent.



Uncult

Barred

Dune

44'

44'

Conc Block Mfg. Co.

147

+61-PP-28'

+59-PP-36'

+02-Ent. $\frac{18' \times 22' \text{ C.M.}}{27'}$
146

+86-End C.M.-21'
+71-6' S.W.-27'
+67-PP-28'
+59-End 15' C.M.-41'
+38-End 15' C.M.-41'
+28-End Curb-37' 10' E. = 34' + 18'
+27-Hyd-30' + 24' E/m-34'
+20-Cor S.W.-24.5'
+19-Cor S.W.-24.5-30.5-33' End Wall-33'
+04-End C.M.-30'

145 FC-Cor-37'

+99-6" E/m-27'

+61-12" E/m-27'

144 FC-37'

+35-12" E/m-27'
+18-9" E/m-27'
+04-End Curb Rod-24' 12' B.
+01-PP-28'
Beg. Stone Curbing
+93-Cor Mason Wall-33'
+94-Beg. Mason Curb-19'

143 FC-37'

Beg. End
+94-5' S.E.-34'
+79-Cor Shock-36'
+65-PP-28'

+35-Ent.

142 FC-42'

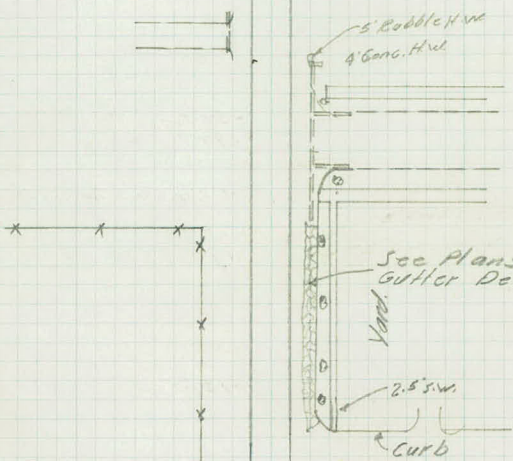
+50-FC-45'

+13-PP-28'

4 FC-42

Curb

Unbuilt



Unbuilt



Pump

Edge City Pump

154

+04-P.P. 28'

153

+51-Hyd-19'
+45-P.P. 28'

152

+05-Approx. E. Run/qq st. 15' too
short

151

+12-T.P.-

150

+31-End 24" Cond. Culv. 50' +92-19'

Oiled Surface. +17-52'

+98-End 24" Cond. Culv. 50' +98-50'

+75-19'

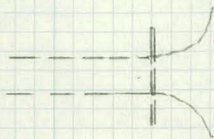
+74-P.P.-

149

+36-P.P. - 28'

148

Cult.



Cult.



Uncult.



Uncult.

+82-T.P.-23'

+20-End Fc.-38'

161

+77-Beg. Fc.-75'

160

+04-Light Post-22'

159

+98-Ch. Conc. Pump Base-47'
3' X 23'

+49.1-25'R.-36'

158

+12-Pav. 11'x10' 25' Rad.-36'

+68-24' BE-37'

+57-Div. Veg. Stand-53'

+38-Cor. Veg. Stand-42'

+33-Fc.-35'

+09-L.C. Conc. Walk-28'

157

+47-24' Maple-37'

+20-Ent.-12' X C.M.-28'
Curb Buried

156

+35-Ent.-

+19-Gate Valve-27'

+39-End Hodge-34'

+56-15'E/m-42'

+48-Ent.-

+2-Low-C.V. Wdg.-26'

+14-Fc. Cor. Hodge-34'

+05-End Ent.-

+58-C.P.-23'

+2-Cor. Conc-10' Cor. Sta.-60'

+99-Cor. Conc-10'

+94-Beg. R.-33' = 10'R.

+86-Ch. Conc. Pump Base-48' 3' X 16'

+72-Cor. Sta.-63'

+08-End Curb-153'-20'R.

+6-PA 26' +62-Hyd-24'

+37-End Curb-495'

+29.6-Curb-366'

+39-End Curb-25.2' 20'R.

+65-Island-16-22' +73-Beg. Curb-15.2'

+63-Ch. 2 No Conc. Pump Base-45' 450'

+49-1/4" W. Cor. Sphere-61'

+32-Div. Ent.-36' 4' BE-40'

+31-N.E. Cor. Ho-52'

+04-M.P.-28' +20-Ent.-23'

Cor. Ent.-23'

+79-Gate Valve-24'

+77-N.W. Cor. Sphere-60'

+76-Gate Valve-23'

+33-Cor. Ent.-26'

+01-Ch. 3' Sphere-23'

+91-N.W. Cor. Ho-52'

+59-T.P.-28'

155

+92-Gate Valve-26'

+75-15"O.-33'-6" E.-

+60-12"O.-34'-1" E.-

+45-Ent. +52-FC Cor-40'

+38-16"O.-40'

+26-18"O.-36'

+20-Gate Valve-24'

+15-4" Pipe-34'

+10-Cor. 2' Conc. Walk-30' $\frac{12" \times 8" C.M.}{28'}$

+77-RP-28'

+80-18"O.-35'

+13-4" Pipe-35'

+64-Underground Pump-38' $5' \times 5' Box$

+55-4" Pipe-36'

+28-T.P.-23'

168

+88-T.P.-23'

167

+90-Ent.-

+99-Gate Valve-11'

+74-T.P.-

166

+45-T.P.-

165

+58-Cor Parking Area-20'-59'

+49-Ent FC-59'

+16-T.P.-23'

163

+96-Cor-30' Ent.-

+85-Cor Ball Beer Stand-44'

+66-Cor-2' Walk-43'

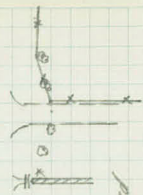
+42-Parking Area-26'-44'

+35-15" P.E.-40'

+22-Hedge-23'

162

Yard

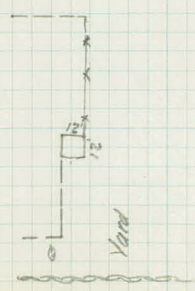


Yard



Yard

Cult.



Yard

+54-PP-29'

175

+35-PP-

174

+17-PP-

173

172

+78-T.P.-23' Cor Hedge-34'

+32-Approx. & 10' wide Rd.

+38-End 18' C.M.-21'

+05-End 12' Conc. Culv. 29'

60' Culv.

171

+70-T.P.-23'

+73-Gate Valve-432'

+66-PP-29'

+50-Ent. +58-Reg. Hedge-34'

+38-Cor. Hedge-35'

+16-Gate Valve-27'

170

+97- & 4' Conc. Walk-22.7'

+57- & 3' Conc. Walk-18.3'

+55-T.P.-23'

+62-TP-29'

+51-Reg. Hedge-31'

+44-Ent-

+34-15' O & F Co-36'

+29-Hyd-23'

+41-End 12' C.M.-23'

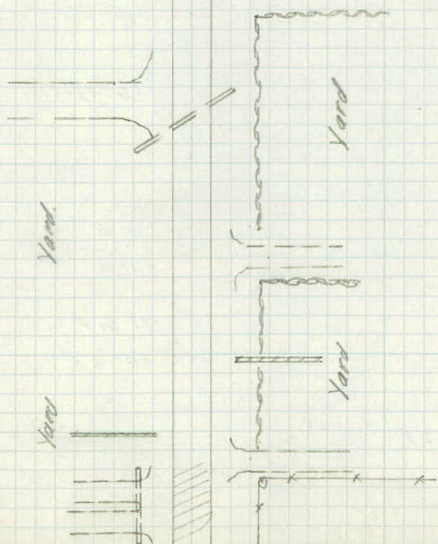
+29-Ent.

+12-Ent.

169 +01-End 12' C.M.-28'

Cult.

Cult.



4' wide 2.5' high End Floor - 24' 24' +34-PP-29'

+11-Mono. Colr. - End Barrel - 20 21'

181 Shrubs - 45'-35'

30" D - 34'

4' x 4' Conc Box pt End Culv.

+61-End 12" V. T - 20'

+52-T.P.-31'

+24-24" D - 33'

180 Shrubs - 46-36'

+96-End - 33' +91-M.H.-70'

+56-60-2 Voluc - 33'

+54-Bar-Mt +49-Hydr-39'

+48-PP-31'

+33-Cor - Curd - 34'

17' +25-Cor Green Ho. - 36'

12'

180

+98-PP-

+68-36" D - 31'

179 Shrubs - 46-36'

+36-PP-

+25-Cor Green Ho. - 36'

+12-End

178 Shrubs - 47'-36'

177

14'

+125-PP-

+95-End

+95-Cor Shrubs - 46'

+77-Cor Shrubs - 36'

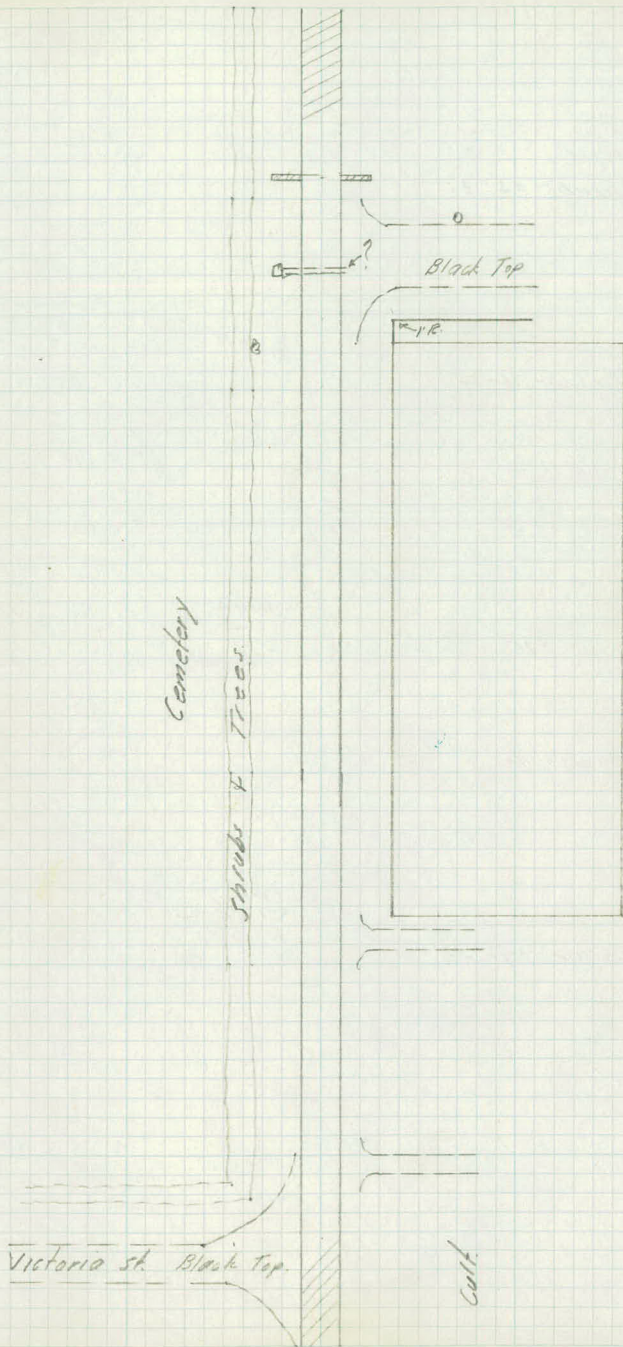
+74-PP-39'

+53-60

+32-49'

176

13'



+50-PP-

189 Shrubs-42-31'

+09-PP-

188 Shrubs-44-33'

+47-Ent 15'x20'-20'
Beg. Shrubs-44-31'
+22-Ch 2'x2' P/lor-34'
+28-Beg. Shrub-31' +40-End Shrub-28'
+04-Shrub-30'
+02-Cor Face Wall-33' 25R-

187 Shrub-31'

+19-Cor Walk-68' Face-Cor-60'
+14-End Corb-15.2
+01-Mth-20' +7-In 5' Walk
+4-Beg 20' Corb Road-33'
+34-End Corb-Fat-33.2' 20'R.
+30-Ch 2'x2' P/lor-28'
+20-Ch 2'x2' P/lor-28' 31-19'H-21'
+24-Beg. Corb-15.5 +27-End 6.5' W
186 H9-Cor Wall-68' Face-60'

+66-PP-

+10-Ent-15'x20'x19-28'

+96-Shrub-30'
+94-Cor Face Wall-33'
+91-Shrub-31'
+54-Beg Shrub-28' +57-End Shrub-30'
+54-Ch 2'x2' P/lor-33' Beg. 18' wall
+51.5-2.5' Walk-21'
+40-Ent 15'x20'-21' +48-Ch 2'x2' P/lor-34'
+35-Beg. Shrub-33' +40-End Shrub-28'
185 Shrubs-42-33'

+85-Hyd-24' +84-Gate Valve-11'
+80-2" Plank Ring-22-34'
+74-Gate Valve-30'
+65-M. w. Cor Ho.-74'
+58-Hodge-35'

+91-PP-29'

184 Shrubs-43-32'

PP-29'

183 Shrubs-44-34'

+64-PP-29'

182 Shrubs-43-35'

Shrubs & Trees

Cult.

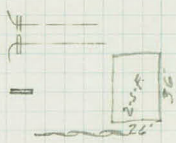
+85 Pav-10'-11'

+65 Ctr-25'x25' Pav-68' Black Top

End Cows-30'

+13 Pav-10'-11'

Cemetery



Cult.

+05- 24' Willow - 40'

+96- Gate Valve - 12'

+97-36" Willow - 37'
+60-6" Elm - 40'
+35-24" Willow - 37'
+33-18" Willow - 45'
+26-24" Willow - 44'
+22-Env Shrub - 27-36'

+58-PP-

196 Shrubs - 47'-36'

+21-PP-

195 Shrubs - 46'-36'

194 Shrubs - 44' - 36'

+31-PP-

+32-Ent- $\frac{12" \times 28'6" \times 27"}{27'}$

193 Shrubs - 46' - 33'

+79-Hedge - 33'

+20-G.P.

+33-Hyd - 21'
+21-PP - 29'
+04-Ent -

192 Shrubs - 46' - 34'

+34-24" Maple - 34'

+49-X Drain - 15" $\times 40'$ $\times 23'$ 4" x 3' Conc H.W.

10' 4" x 3' Conc H.W.

191 Shrubs - 48' - 32'

+92-PP-

190 Shrubs - 41' - 34'

Shrub + Tree



Cult.

Yard

Yard.

+80-Hyd-24'

+51-Ent-15'X20'X-33'

203

+13-Ent-
202

+21-Ent-15'X20'X-32'
+11'-6" Gate Valve-41'
+14'-2" Mason Walk-22'
+10'-2" Conc. Walk-40'

13' Block Top Surface-19'
+74-Ent-15'X20'X-33'

+52-Hedge-34'

+60-Gate Valve-41'

+01-Ent
201

+02-Rough Tie to S.W.

+94-pp

+45-Ent-15'X20'X-32'
+41-Gr-2' Conc Walk-49'
+28-Gate Valve-43'

200

+55-15' Apple Tr-35'

+70-Hedge-49'

+34-4" Apple " -34'

+44-pp

+20-15' Apple Tr-33'

+11-Ent

199

+75-15' Apple Tr-38'

K.Bow 5' pp
+80-Corr Hedge-50'

+33-4" Dirt Walk 7' wide
+29-Gate Valve-32'

198

+94-pp-29'

+98-Corr Hedge-50'
+96-Gate Valve-12'
+94-pp-29'
+66-26 Road-15'R

+86-Ent-12'X20'X-28'

+42-30' Top-42

+33-Hyd-21'

197

Curt.

Yard.

Yard

Yard

Yard

Yard

Yard

Yard

+79-Cor Sta - 58'
+86-Cor Sta - 31

+70-Cor Sta - 66
+51-Approx Int with X Drain

+21-Light Post - 38'

+25-End 15" C.M. - 30'

+84-Cor Sta - 73'

209

+89-Cor Veg Stand - 75'

+88-C.P. - 23

+96-End 15" C.M. - 30'

+50-Cor Veg Stand - 52'

+48-End 15" C.M. - 29

208

+05-End 15" C.M. - 30'

209

+12-Range Tie

+04-Hedge - 30' X

207

+01-End 15" X 20" C.M. - 29'

+89-Hedge - 31'

+43-24" B.E. - 42'

206

+16-End - $\frac{15" \times 20" \text{ C.M.}}{32'}$

Plank End on W. End.

+35-End - 15" X 20" C.M. - 27'

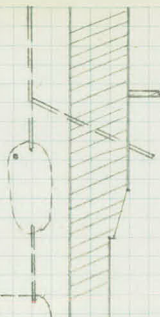
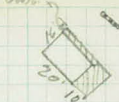
205

+46-End - 15" X 20" C.M. - 32'

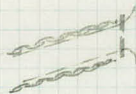
+35-End - 15" X 20" C.M. - 28'

204

8'6006



Uncult



Yard



Yard



+16-T.P.-27'

216

10 11'

+90-End Hedge-33' Beg. Hedge-46'

+58-Cor. Pump-140-37'

+57-6" Tr. Pip-23'

+43-Ext 12" X 24" C. 19-22' Walk only

+32-Cor. Hedge-32-34' End 43'

+28-10" Pip-23'

+10-402-Hedge 28-34'

215

11'

+99-Cor. Ho.-325' PP-29'

+76-Cor. Ho.-33'

+70-T.P.-26'

+34-15' B.E-20'

+19-30' Ash-20'

214

11'

+74-PP-30'

+72-Cor. Hedge-31'

+39-T.P.-27'

+82-5' Pipe-37'

+22-5' Pipe-35'

213

12'

10'

+51-X Drains 18" X 53' Conc. Culv. 33' 20'

+49-PP-30'

+06-T.P.-28'

212

11'

10'

+96-End Hedge-37'

+66-Face 2' X 2' Brick Pillar-34'

+37-13'

+43-Curb-38' +46-Curb-33'

+19-Curb-46'

+13-Curb-47'

+05-29'

+28'

+32-PP-29'

+20-Beg. Hedge-37'

+12-Fe-32'

+03-T.P.-28' +12-Rod-10'

211

+90-Raise Tie to Curb

+90-Cor. Pav-16'

+80-37'

+70-Range Tie to Curb in Cemetery

+59-Cor-56'

+45-Gate Valve-22'

+20-Island-44-22'

+32-M.H.-34'

+35-Rod-43'

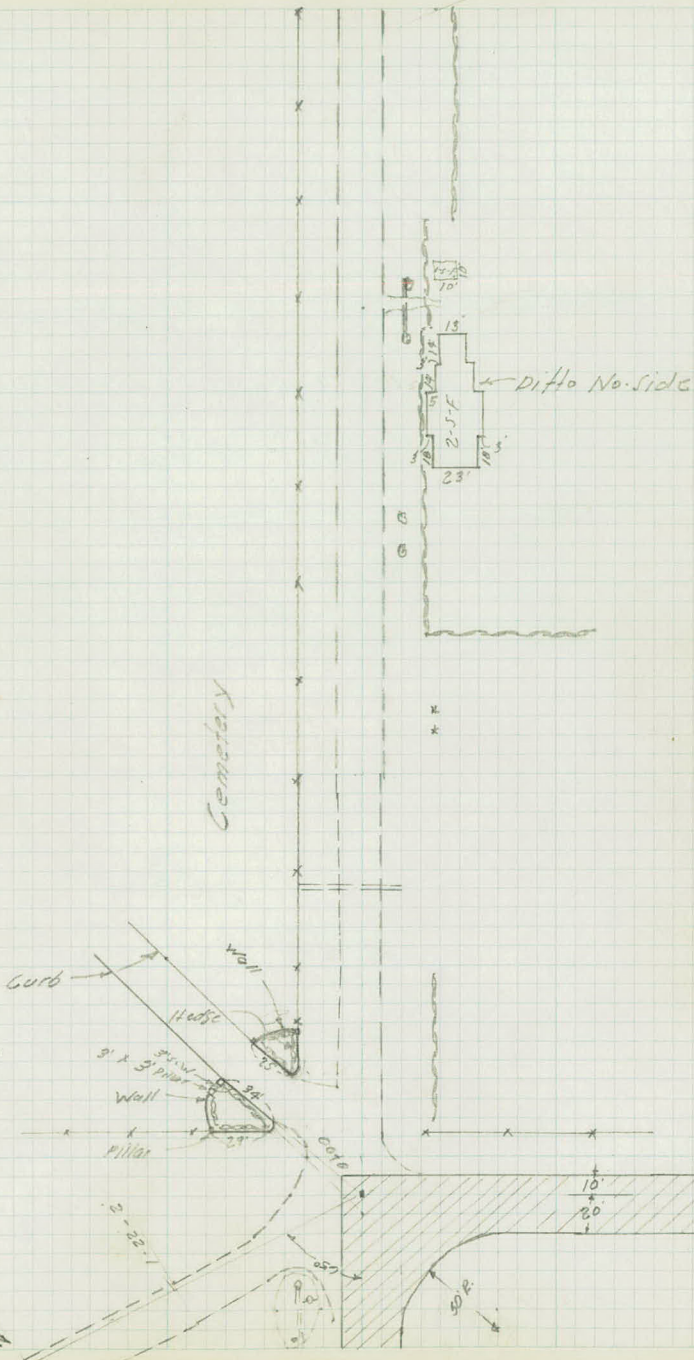
+25-R.P.-28' +15-81-Top-15'

+05-412-6t Post-35'

+55-Hyd-53'

+47-Gate Valve-13'

210



Sta. 19.4
L.L. B.H.

+95-T.P.-27'

+93-End Rd. 15' X 40' C.M. - 29'

+56-End FC-35'

223

10' 12'

+58-T.P.-27'

222

10' 13'

+29-T.P.-27'

221

11' 13'

+01-T.P.-27'

220

10' 12'

+01-T

219

11' 12'

+72-T.P.

213

11' 13' Bdg. Cult.
+95-End Hedge-48'

+72-Ent

+45-T.P.-27'

+39-30' O-39'

+38-End FC-32'

+16-Ent. 12' X 24' C.M.-24'

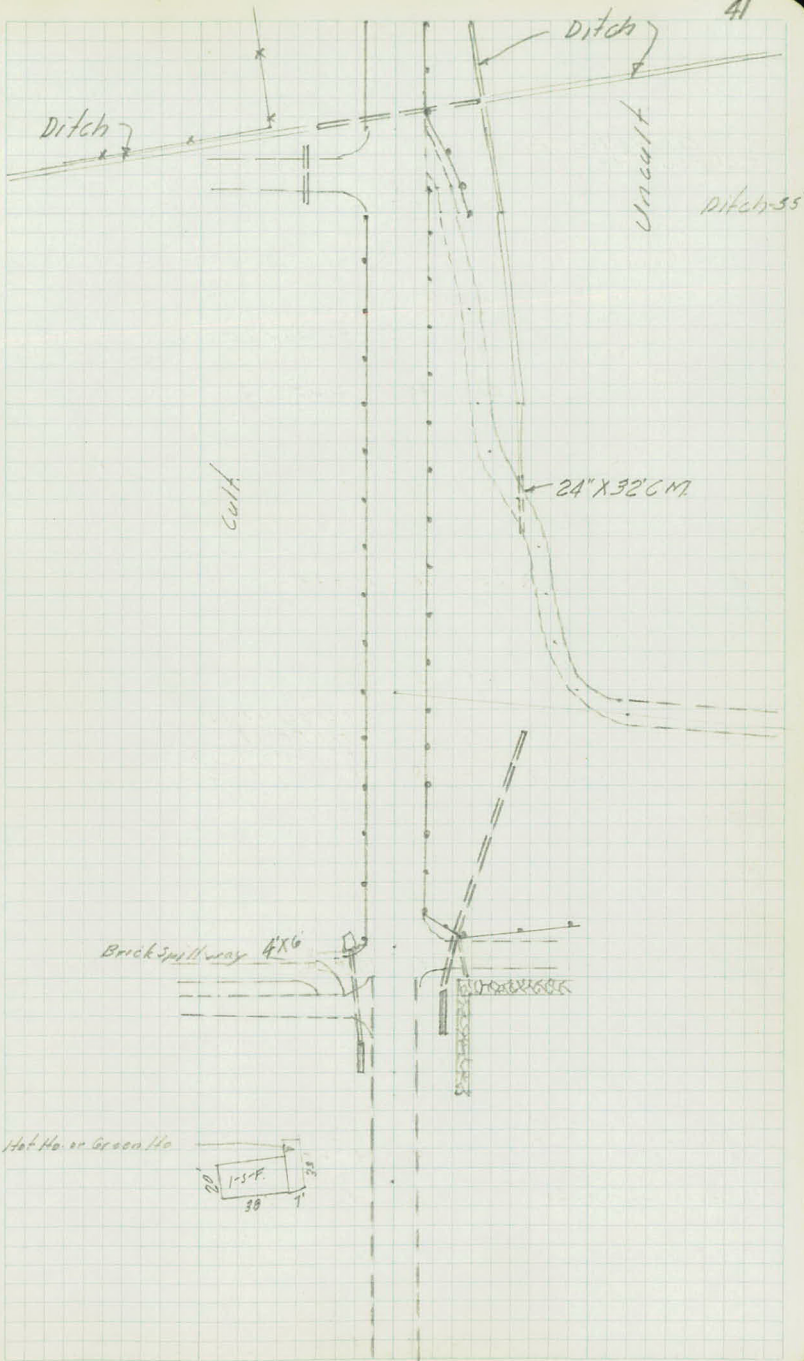
217

11'

Curt

Cult

- 1st. of ditches - 45'
 +58-End 30' C.M. - 41'
 +53-D in G.R. 16' + 63-G.R. 15'
- +44-End 30' C.M. - 40' Fe Cor. - 64'
 +35-End 30' C.M. - 44'
 +44-Beg. G.R.
 +23-End 32' C.M.
 230 +60-End 30' C.M. - 45'
 +97-End G.R. - 14'
- +13-Trail - 17'
 +13-End G.R. 17' G.R. 32' Trail 31-29'
 16 G.R. Trail - 24-34'
 +98-Beg. G.R. 31'
- G.R. - 13' 17' + G.R. + 50 & Trail - 33'
- 229 G.R. - 13' 17' + G.R. & Trail - 42' & Ditch - 34'
- +75 & Trail - 48'
 +61-End C.M. - 66' Culv. Buried
 G.R. + 13 17' + G.R. Beg. ditch
 +50-Trail & - 62'
 +25-Trail - 73'
- 228 G.R. + 13' 17' + G.R. Trail - 73'
- +75-Trail 81'
 +50 & Trail - 94'
 G.R. + 13' 17' + G.R. + 38 & Trail - 120'
 +49-Range Tie to Trail
 +29-End Metal Spillway - 66'
 +26-P.P. - 18'
 +25-M.P. - 75'
 227 G.R. - 13' 13' 16' G.R. - 16'
- Beg. Metal Spillway 1/2 Circle 1.5' dia.
 +31-G.R. 15' 1' Maroon H.W.
 +22-End 12' C.M. - 31' End 18' C.M. - 31'
 +20-D in G.R. 35' H.R. Range Tie
 +68-End
 226 10' 11' End 12' C.M. - 38'
 +99-Cor. Slope - 33'
 +90-Cor. Rubble Slope - 40'
 +98-End Cover - 26'
 +35-P.P. - 17'
 +70-Beg. Man. Cover - 25' 4' wide
 +83-Ent.
 +66-End Cover - 13'
 +50-Beg. Plank Cover in ditch - 17'
 4' wide
 +13-P.P. - 23'
- 225 10' 12'
- +94-Range Tie
 +97-Sw Cor. 40' - 54'
- 224 10' 13' +18-P.P. - 22'



Along Sec. Line
+ 21-Fe Cor-14'

237 GR + 14' 12'

+ 35' End G.R. - 14'

236 G.R. - + 145' + G.R. 13.5'

235 G.R. - + 14 13 + G.R.

234 Beg. G.R. - - 15' 13' + 25-82 G.R. 14'
+ 17-P.R. 17'
+ 27-Ent - 30" 133' 6" 29" ditch

+ 31-Ent. + 34-End G.R. - 14'

+ 65-End G.R. - 15'

233 G.R. + 15' 14 + G.R.

11' Mason Mouth - 13'-16'
+ 25-12" G.R. - 26'-16'
232 Fe - 94' G.R. + 16' 12' Mouth - 14'-16'
14' + G.R. 12' M. - 16'-29'
+ 80-X Drain 30" X 62' Conc. Culv. 33' 29'

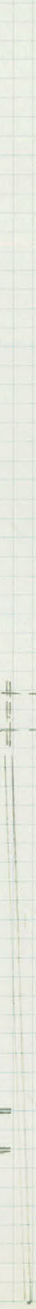
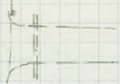
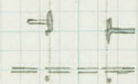
231 G.R. + 15' 15 + G.R. Ditch - 39'

Cult

Uncult

Uncult

Ditch - 34'



Pav - 4' +75 Curb - 25'
+50 - Curb - 30.0'

Pav - 1.2' +25 Curb - 38.8'

244
+97.5 - Bca. Curb - 15'
1.5' Cong. Gutter Inside of Curb.
+89 - End G.R. - 15'

Pav - 14' Curb - 49.8'
+93.2 - 2 R. Point - 26.5'
+90 - Pav - 47' Curb - 27 - 35.6' - 60.6'

G.R. + 14' +60 - Pav - 10.5' Curb - 34' - 48.3' - 76'
+50 - Pav - 13.6'

+25 - Pav = 26.2'

243 G.R. + 14'

+96.4 - Bca Curb - 24' 10' R.
1.5' Cong. Gutter Inside of Curb.

G.R. + 14' 20'

242 G.R. + 14' 17'

G.R. + 14' 16'

241 G.R. + 14' 17'

240 G.R. + 13' 14'

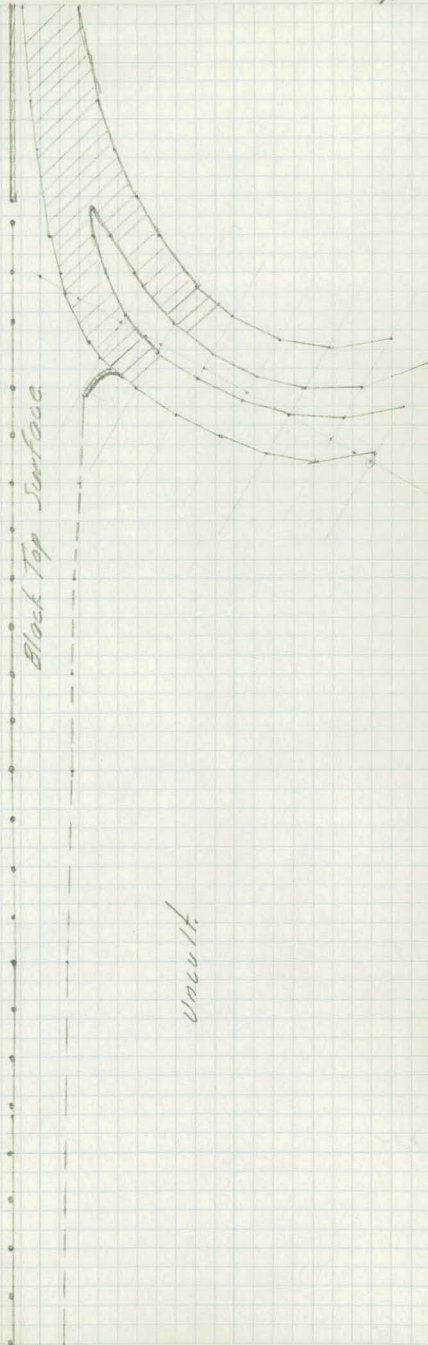
239 G.R. + 14' 13'

238 G.R. + 14' 12'

Pasture.

Black Top Surface

unbuilt



248

247

246

Curb-15.3'

+95.92 ~

Curb-15'

+15-Curb-14.8'

Curb-15.2'

+50-Curb-15.6'

+25-Curb-17'

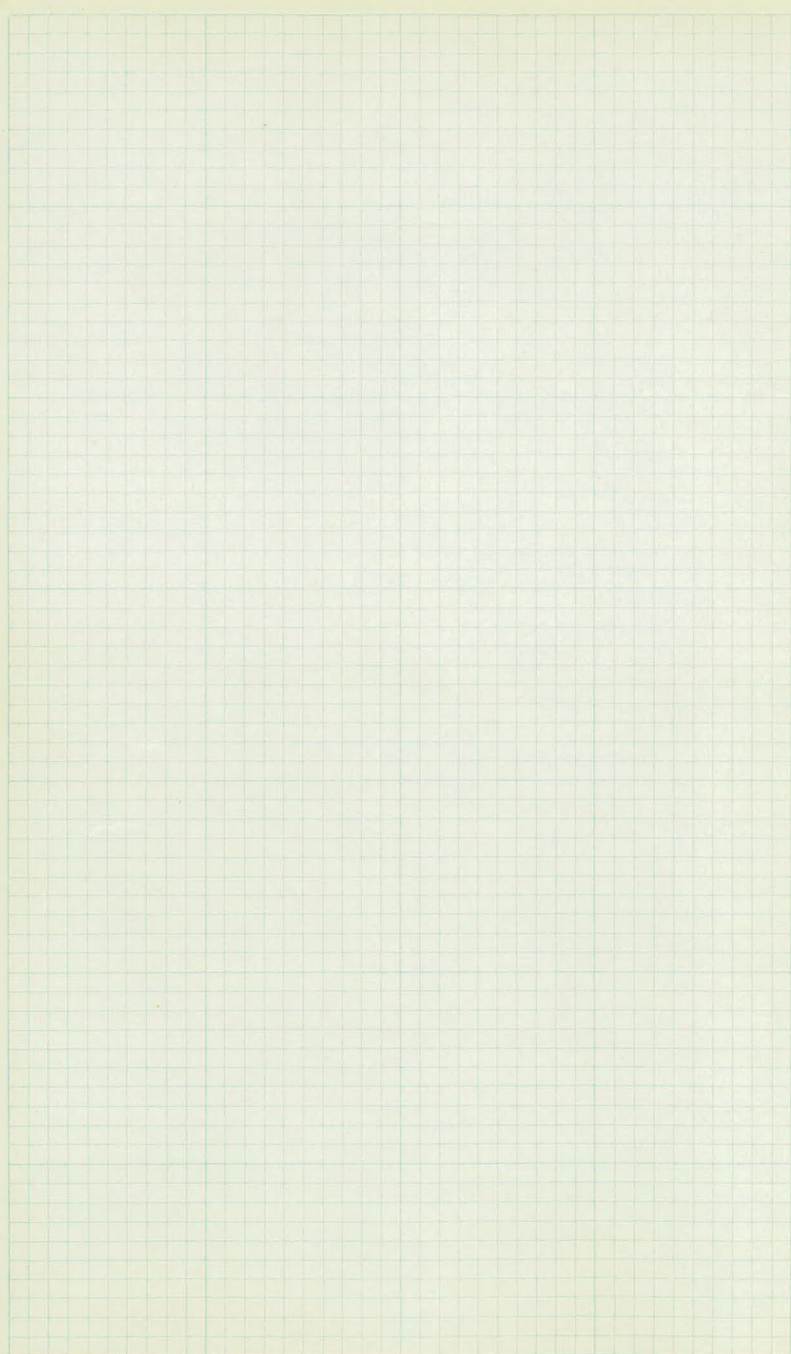
+15.3-Cor Pav. 13.7' - 11.4'

245 Curb-15.1'

Par. 9.8'

Curb-20'





Topography
"T" Line

2' Curb. - 112 - 60 - 35 - 5'

+75 Curb. 62.6 - 32 - 14 11.8'

+50 Curb. 41.4 - 17 - 0.7 22.4'

+25 Curb. 32 - 9' 6 - 29'

1 Curb. 29.6 - 7.4' 7.6 - 29.5'

1
+75 Curb. 34.7 - 11.9' 4.1 - 26.7'

+65 End Rod - 29.4' 10'R

+58 Cor. Par. 22'

20.6 - 4.7' ~~+50 Curb. 47 - 30.6'~~

0

Xsections

Sta	+	-	Elev.
B.M.	3.31	925.17	921.86

-1	+00	12.29
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-75	10.71
-----	-------

-50	9.57
-----	------

0	+00	924.17
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+27	25.63
-----	-------

+38	26.22
-----	-------

+71	28.27
-----	-------

1	30.01
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I.P.	12.32	936.77	0.72	929.45
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+37	32.16
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Lt. E Rt.

Top Iron Top S.W. Cor. step Ent to N.S. P.C.O. Build.

(in driveway)

677 745 725 716 719 77 78 111
60 30 10 10 25 33 60

(in driveway)

677 745 725 716 719 77 78 111
60 30 10 10 25 33 60

43 48 53 54 580 570
60 37 34 20 14

597 71 75 108 128
143 22 27 51 60

41 43 49 48 507 511 529 60 59 137 145
60 36 31 20 12 12 18 22 42 60

L.O. 36 37 323 32 316 306 313 35 102 126 144 105
50 37 37 30 10 10 21 36 41 41 60

2.9 2.9 16' 17. 138 132 140 16 0.8 0.3. L.O.
60 37.5 37.5 25 10 10 16 22 33

Top
Wall)

92 123 119 1090 114 107 1083 1077 1090 112 102 99 101
60 60 37 37 27 15 10 10 16 22 38 60

Sta.	+	π	-	Elev.
		936.77		
1	+75			34.40
2				36.09
	+50			39.03
3				41.79
	+13.3			42.45
T.P.	10.22		13.69	923.08
T.R.	10.22	943.94	3.05	933.72
	+29.8		6.70	
	+46		6.09	
	+63.6		5.64	

Lt

L

Rt

9.6 100 9.4
60 33 27

8.55 8.53 8.60 9.2 9.7
10 10 24 60

17.8 15.2 71 6.96 6.84 6.90 7.3 10 7.5 9.1
60 36 20 10 10 20 22 40 60

89 82 49 5.5 5.4 3.6 4.0 3.96 3.90 4.02 4.9 6.0 5.6 6.7
60 50 40 34 30 23 21 10 10 27 41 50 60

L.O. 12.0 0.3 1.04 1.14 1.14 1.19 1.25 1.0 3.1 5.3
43 28 16.3 10 10 17 26 48 60

L.O. 4.3 0.6 0.35 0.46 0.48 0.46 0.47 0.6 2.1 5.1
25.7 25.7 18.5 10 10 19.6 26.8 26.8 60

Spk. in end of rein wall.

Sta.	+	π	-	E/GK
		943.94		
3	+80		5.93	
	+97.7			43.94
4	+10			44.00
	+55			44.20
5				44.54
T.P.	9.91	946.12	7.73	936.21
	+50			45.03
6				45.73
	+27			46.33

Lt

L

Et

82	116	68	617	617	616	634	647	66	120	150	110	112
60	256	256	18.4	10		10	19.6	26.8	268	51	55	60

35	45	57	608	608	610	623	632	5.9	6.9	97	10.6
60	36	29	165	10		10	17.1	17.1	27	41	60

45	55	68	69	59	57	588	590	6.07		59	63	77	83	102
60	35	32	27	22	12	10		10		12	23	28	39	60

65	71	76	56	54	553	556	582	57	69	91	101	107
60	35	29	22	12	10		10	12	24	32	49	60

Nail in P.F. 21.56.54

93	97	85	85	74	727	725	751	79	89	135	153
60	29	25	24	21	10		10	18	23	40	60

86	86	71	72	63	655	655	675	70	8.0	136	170
60	31	26	25	23	10		10	19	24	40	60

69	73	59	62	602	595	628	65	92	128	150
60	31	24	13	110		10	18	27	42	60

sta.	+	π	-	E/cv
		946.12		

6	+44			46.79
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	+58			47.22
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	+75			47.68
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	+81			47.83
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7				48.29
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	+50			49.72
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8				51.15
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T.P.	11.28	955.58	1.32	944.80
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	+50			52.73
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Lt

E

Rt

43 54 53 550 549 576 60 87 120 140
60 37 10 10 10 19 28 41 60

37 43 48 505 506 543 56 71 108 129
60 38 12 10 10 19 25 38 60

39 45 44 463 460 493 49 52 55 75 108 124
60 37 10 10 10 12 18 21 28 39 60

46 60 48 43 449 445 473 52 58 118 113
60 38 30 11 10 10 18 23 44 60

30 33 40 409 400 416 49 69 113 117
60 40 18 10 10 20 26 43 60

1.7 23 265 256 275 31 58 102 106
60 36 10 10 19 29 43 60

20 09 42 120 113 132 16 18 46 71 73
60 33 10 10 19 22 33 42 60

Rt. sta 8100 Edge Pav.

101 105 100 1003 1001 1023 103 107 117 117 101 85
60 28 14 10 10 18 22 25 29 35 60

Sta.	+	π	-	Elev.
		956.38		
9				54.20
	+50			55.54
	+95			956.88
10	+155			57.41
	+64			58.88
11				59.99
	+27			60.64
T.P.	8.85	963.59	1.84	959.74
	+51			961.30

Lt.

R

Rt.

7.8 7.9 8.6
60 35 16

845 854 887 9.2 8.9 7.2 65
10 10 19 32 49 60

6.7 7.0 7.3 7.16 7.20 7.39
60 43 18 10 10

7.9 7.3 5.3
26 36 60

5.4 5.3 5.6
60 32 12

5.83 5.86 6.02 6.2 3.9
10 10 24 60

SW
5.19 5.38 5.9 5.9 5.21 5.33 5.41 5.3 5.7 4.0
60 28 26 24 10 10 12 20 60

SW
2.6 3.5 3.95 4.00 3.8 4.3 3.83 3.86 3.96 4.3 2.0 1.1
60 34 33 28 25 21 10 10 19 46 60

1.9 2.29 3.2 2.77 2.80 2.91 3.0 1.3 0.6
60 22 20 10 10 22 37 60

1.7 1.8 2.3
50 28 18

2.12 2.10 2.15 1.50 0.65
10 10 31 50

Long
7.7 8.0 8.6 8.43 8.45 8.57 8.6 7.70 7.0
50 34 18 10 10 18 31 50

Sta	+	T	-	Elev
		968.39		
11	+85			62.09
12				62.56
	+13			62.89
	+41			63.62
	+59			64.01
	+81			64.62
	+94			64.95
B.M.	288	963.63	2.88	960.71 (960-75)
13	+21.5			65.71

Lt

E

Bt.

6.7 10 7.8
 60 37 18

7.60 7.56 7.72 7.04 6.83
 10 10 33 50

conc

5.83 6.60 7.44 7.23 7.19 7.32 7.3 6.77 6.53
 50 27 18 10 10 20 35 50

conc

5.67 6.37 7.05
 50 27 18

6.85 6.86 6.97 6.65 6.54
 10 10 33 50

5.23 5.37 5.83 6.30 6.13 6.13 6.28 6.3 6.0
 33 27 18 18 10 10 20 35

4.86 5.03 5.33 5.90
 33 27 18 18

5.77 5.74 5.85 5.35 5.00
 10 10 26.7 32.6

4.27 5.78 5.38 5.12 5.13 4.27 4.96 4.78
 33 18 13 10 29 36.6

4.2 4.8
 50 23

4.79 4.80 4.89 5.5 5.00 4.89
 10 12 27 28.8 41

Top Hyd. S. & L. Cor. Corp. & Eustis

3.5 3.8 4.17 4.08 4.25 5.65 7.07
 50 29 10 10 33 60

Sta.	+	π	-	Elev.
		963.63		

13	+35			65.99
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	+55			66.44
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14				67.23
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	+35			67.84
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T.P.	6.53	968.27	1.89	961.74
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	+73			
--	-----	--	--	--

15				
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	+50			
--	-----	--	--	--

16				
----	--	--	--	--

Lt

R

Pt.

5.0)

3.6	4.40	3.6	2.76	3.30	2.95	5.3	7.7
60	333	19	12		10	30	60

2.6	2.9	3.7	2.42	3.35	3.60	3.7	3.8	3.6	4.6
60	37	22	10		10	17	25	46	60

2.6	3.0		2.53	2.56	2.72	2.8	3.7
37	25		10		10	21	31

0.6	0.8	1.8	2.5	1.98	1.95	2.10	2.4	4.7	8.5
60	38	27	22	10		10	20	36	50

4.7	5.0	5.6	6.2	6.09	6.09	6.50	6.9	13.6	15.1
50	38	34	19	10		10	20	35	60

4.9	5.3	6.1
50	37	28

5.77	5.78	6.09	6.7	13.0	13.6
10		10	20	33	50

5.0	5.6	5.4	5.18	5.14	5.23	5.6	5.8	5.8
50	29	25	10		10	20	42	60

6.1	5.9	4.6	4.47	4.49	4.62	4.8	5.5	5.1	5.1
40	44	21	10		10	20	24	31	60

Sta t π - Elev

968.27

16 +50

17

+38

+65

TP 6.42 972.65 204 966.23

18

+33

+76

+83

LT

R

RT

2.9 2.2 4.0 3.7 3.5 3.62 3.8 4.0 5.2 5.2 5.2
50 35 24 21 10 10 19 24 41 60

1.9 3.0
50 19

2.88 3.0 3.26 3.4 4.8 5.0 5.6
10 10 19 23 37 60

1.9 2.8 2.55 2.57 2.82 2.7 4.1 6.0
50 19 10 10 13 30 60

2.3 2.2
50 22

2.22 2.26 2.49 3.0 4.1 6.5
10 10 20 32 60

6.2 6.4 6.14 6.15 6.42 7.0 7.6 11.2 12.4
50 21 10 10 19 22 32 60

5.7 5.7 5.67 5.49 5.91 6.5 6.8 11.2 12.2
50 25 10 10 18 21 35 60

8.0 7.7 5.4 5.23 5.17 5.34 5.8 6.3 9.5 11.1
50 28 18 10 10 20 25 34 60

5.5 5.7 5.2
50 24 18

5.11 5.12 5.29 5.6 6.3 9.4 10.9
10 10 19 24 34 60

sta. + - Elev.

972.65

19

+50

+85

20

+21

+44

+74

T.P.

6.82

977.03

2.44

970.21

B.M.

2.15

974.88

(974.87)

L

L

R

53 52 49 482 490 5.09 53 6.0 8.8 11.0 11.0 9.4 90 105
50 21 19 10 19 23 32 34.4 36.7 29 41 60

47 31 44 446 442 460 46 51 84 9.7 9.7 84 19 10.0
50 29 21 10 10 19 22 33 33.6 35.4 37.8 41 60

3.0 34 3.86 3.88 4.02 45 45 76 87 8.7 75 70 8.8
50 23 10 10 23 31 33 34 36.7 37.7 40 60

2.9 31 34 360 362 3.83 3.9 4.3 6.0 8.3 8.2 7.2 7.0 8.7
50 30 12 10 10 19 22 20 33.6 36.5 38 40 60

2.1 24 5.4 5.4 3.1 3.21 3.24 3.47 3.9 3.6 6.6 7.8 7.7 6.7 6.4 8.6
60 34 28 25 21 10 10 22 29 32 33.7 36 38 40 60

FL)

FL)

1.8 2.5 5.5 5.6 5.9 2.92 2.90 3.15 3.3 3.7 7.25 7.25 6.0 8.3
60 34 28 25 22 10 10 21 29 29 33 36 60

0.8 1.7 4.5 4.5 2.9 2.65 2.54 2.69 3.5 4.6 5.7 8.1
60 35 30 25 21 10 10 22 26 37 60

Top Sec. Cor. Photo. Fulham & Carpenter Aves

Sta	+	-	Elev.	
B.M.	2.95	977.82		O.K. (974.87) Gr.

21			970.44	
----	--	--	--------	--

+50			971.04	
-----	--	--	--------	--

22			971.41	
----	--	--	--------	--

+50			971.78	
-----	--	--	--------	--

23			972.32	
----	--	--	--------	--

+50			972.66	
-----	--	--	--------	--

24			972.84	
----	--	--	--------	--

+30			973.07	
-----	--	--	--------	--

12-16-41
K.R.
L.C.
H.B.
C.F.

57

Lt

4

Rt

Top Sec. Cor. Plate Fulham + Larpentour Ave.

4.9 5.3 95 95 7.9 7.8 7.35 7.53 8.0 10.4 13.2
60 36 29 25 21 10 10 23 33 60

0.9 26 12 1.1 8.8 8.9 7.4 6.86 6.78 7.00 7.2 7.7 10.9 13.9
60 50 46 38 28 25 21 10 10 19 23 33 60

1.5 2.2 8.4 8.4 6.8 6.53 6.41 6.49 7.2 11.0 13.3
60 37 28 25 22 10 10 23 34 60

2.4 3.0 7.7 8.0 6.6 6.05 6.04 6.17 6.8 11.4 13.0
60 36 28 25 21 10 10 22 35 60

3.3 3.7 7.5 7.5 5.9 5.58 5.50 5.67 6.2 11.5 12.6
60 35 28 25 21 10 10 21 35 60

4.4 4.7 7.2 7.2 5.2 5.15 5.16 5.40 5.7 6.2 10.9 11.9
60 33 29 25 21 10 10 19 21 36 60

3.5 3.4 7.4 7.4 5.2 5.02 4.98 5.15 5.4 9.5 10.8
60 34 28 24 21 10 10 23 38 60

2.6 2.4 2.2 7.2 7.2 4.9 4.78 4.75 4.87 5.4 8.6 10.0
60 43 34 27 24 21 10 10 22 35 60

Sta	+	π	-	Elev
		977.82		
24	+50			972.33
25				972.64
	+30			973.85
	+40			874.21
B.M.	4.85	979.72	2.95	974.87
26				974.49
	+13			974.58
	+16			974.60
	+22			974.69

Lt

F

Rt

2.9 2.9 7.4 7.4 4.8 4.2 4.60 4.76 5.2 8.7 9.4
60 34 27 26 20 10 10 23 37 60

7.0 6.7 6.1 7.7 7.7 4.6 4.26 4.18 4.30 4.9 8.1 8.5
60 42 31 27 25 19 10 10 22 35 60

7.8 6.7 7.4 7.5 4.5 4.09 3.97 4.06 4.5 7.5 8.0
60 31 28 25 20 10 10 22 35 60

7.6 7.0 6.0 6.7 6.5 4.4 3.74 3.61 3.65 4.2 6.9 7.8 8.0
60 38 30 27 24 20 10 10 23 32 41 60

Top Sec. Cor. Plate Fulham & Larp. Ave.

7.4 6.9 5.4 7.2 7.2 5.6 5.39 5.23 5.30 5.7 9.5 10.1
60 45 34 29 25 21 10 10 22 36 60

5.7 4.7 7.0 7.2 5.5 5.25 5.14 5.22 5.6 6.5 7.7
60 45 31 23 20 10 10 25 42 60

6.4 6.8 6.9 5.4 5.20 5.12 5.21 Ditto + 13
60 43 32 24 10 10

6.4 6.5 5.0 5.0 5.16 5. 5.03 5.17 Ditto + 29
60 43 31 11 10 10

Sta	+	π	-	Elev.
		979.72		
26	+29			974.71 974.71
	+41.7			974.87 974.87
	+55			975.00 975.00
	+60			975.04 975.04
	+66			975.06 975.06
25	+72			975.15 975.15
27				975.27 975.27
	+50			975.67 975.67
B.M.	6.48	981.35	4.85	974.87

L1

E

R1

47 48 49 509501 512 60 64 72
60 44 12 10 10 23 40 60

42 43 48 492 485 498 54 60 97 116 128
60 33 11 10 10 19 21 32 40 60

46 46 47 483 472 482 55 102 130
60 40 11 10 10 22 34 60

60 59 50 48 484 443 477 Ditt + 55
60 44 36 21 10 10

60 61 60 49 475 462 469 Ditt + 72
60 45 30 24 10 10

32 33 59 61 48 470 457 462 55 104 120
60 35 27 24 21 10 10 22 34 60

94 L.O. 23 54 55 46 456 445 450 48 83 93 94
36 26 23 21 10 10 20 32 36 60

L.O. 14 46 51 45 420 405 413 44 90 94
36 26 24 21 10 10 19 34 60

Sta	+	π	-	Elev.	
		981.35			
28				975.95	9
	+50			976.22	9
29				976.17	9
	+50			976.32	9
30				976.31	9
	+50			975.97	9
31				976.08	9
F.P.	5.64	981.47	5.52	975.83	
/					
	+50			976.04	9

Lt

E

Rt

0.2 0.6 25 5.8 6.4 5.8 5.5 5.40 5.51 6.1 10.8 11.6
60 44 33 27 23 21 10 10 19 35 60

11.8 10 56 5.9 5.4 5.32 5.13 5.18 5.9 9.5 11.7
60 40 25 23 21 10 10 21 34 60

12.5 1.5 5.9 6.0 5.4 5.28 5.18 5.16 5.4 7.5 9.1 11.6
60 38 24 22 20 10 10 21 28 42 60

12.5 10.7 1.8 5.9 6.0 5.2 5.14 5.03 5.08 5.5 7.3 7.3 5.8 5.8 9.2
60 48 38 25 23 21 10 10 23 28 30 35 44 60

12.5 11.2 1.5 5.8 6.0 5.3 5.11 5.04 5.13 5.6 7.6 9.6 10.7
60 50 39 26 24 20 10 10 23 29 40 60

12.5 10.7 1.5 6.1 6.3 5.6 5.35 5.38 5.58 6.1 12.8 14.0
60 50 40 26 23 20 10 10 19 39 60

0.6 1.5 3.9 6.3 6.5 5.6 5.40 5.37 5.52 6.1 11.9 12.5 13.8
60 53 38 26 24 20 10 10 19 36 45 60

Top Hyd. 40' Lt Sta. 32 + 01 Edge for Rt Sta. 31

4.5 5.6 6.4 6.5 5.8 5.54 5.43 5.6 6.0 9.8 11 11.5 12.3
60 39 27 24 20 10 10 19 31 47 60

Sta	+	π	-	Elev
		981.47		
32				975.99
B.M.			275	978.12
	+50			975.75
33	+78			975.66
33				975.84
	+50			976.06
34				976.38
	+50			976.95
35				977.71

Lt

4

Rt

55 65 67 58 559 548 578 62 93 105 114
60 32 25 20 10 10 20 31 45 60

Top Hyd 40 Lt 32 101

70 72 84 60 578 572 605 64 99 108 108
60 53 30 21 10 10 19 31 44 60

Colr

Colr

1044 81 81 101 59 583 581 621 67 96 101 98 1165
28 60 54 33 20 10 10 20 32 44 60 30

87 88 95 60 567 563 602 63 97 97 88
60 53 32 20 10 10 20 32 43 60

89 87 83 59 542 541 573 63 85 85 75
60 36 28 21 10 10 20 30 44 60

86 80 73 54 519 509 533 58 71 76 62 64 54
60 54 27 21 10 10 22 25 32 37 44 60

82 79 75 49 462 452 470 52 69 68 61 59
50 43 29 21 10 10 20 29 32 39 60

55 47 59 59 41 394 376 383 41 44 63 64 60 50
60 33 30 28 22 10 10 12 19 27 31 37 60

Sta	+	π	-	Elev
		981.47		
35	+30			978.07
	+70			978.62
T.P.	5.91	984.79	2.64	978.83
36				978.93
	+50			979.46
37				979.65
	+50			979.85
38				979.79
	+50			979.75

12-16-41
K.H.
L.C.
M.B.
C.F.

62

Lt.

R

Rt.

✓
46 32 30 50 50 36 350 340 343 3.7 4.1 4.4 5.8 5.8 5.1 5.0
60 36 33 30 27 22 10 10 12 20 23 26 29 34 60

✓
43 37 47 46 32 295 285 291 31 31 40 57 76
60 33 31 26 22 10 10 12 22 31 41 60

Lt. side for sta 36

✓
62 62 58 76 78 66 61 583 581 591 61 70 90 111 118
60 38 33 30 27 23 18 10 10 23 25 33 49 60

✓
27 27 39 75 73 61 58 531 528 535 55 58 65 79 78 69 70
60 47 33 29 25 22 19 10 10 11 23 26 34 43 54 60

✓
40 36 32 72 70 57 53 510 509 510 53 53 87 90 80 75 43
60 53 35 27 25 22 18 10 10 18 24 34 37 39 46 60

✓
64 58 52 68 68 52 497 489 499 52 53 57 86 85 55
60 45 33 29 27 22 10 10 11 20 23 35 48 60

Drive Tee

✓
✓ L.O. 65 90 83 52 506 495 506 56 60 77 82 82
58 56 32 21 10 10 23 26 33 47 60

Drive Tee

✓
✓ L.O. 69 104 95 53 508 499 512 53 69 69 67 68
58 56 32 19 10 10 24 29 35 50 60

sta + π - Elev

984.74

39

979.60 9 60

+50

979.46

40

979.23 9 23

+07 XRein

979.23 9 23

+60

979.24 9 24

41

979.24 9 24

B.M.

5.80

984.74

5.80

978.94

+50

979.31 9 31

42

979.46 9 46

Lt

4

Rt

✓

109	102	65	5.5	523	514	527	55	5.8	81	85	9.5
60	33	23	19	10		10	11	23	21 33	60	
									31		

✓

102	9.8	6.0	5.6	5.38	5.28	5.97	5.9	6.9	10.5	11.7	
60	33	22	19	10		10	21	25	37	60	

✓

9.7	9.7	5.8	5.57	5.51	5.82		6.0	11.4	12.2	
60	35	23	10		10		27	38	60	

Culiv

1003

32.

✓

9.7	10.2	5.8		5.58	5.51	5.87	6.2	11.4	12.0	
60	35	23		10		10	28	37	60	

Culiv

11.27

34

✓

9.8	10.0	5.8	5.53	5.50	5.79	6.1	6.2	9.6	11.0	12.3
50	34	22	10		10	17	28	34	40	60

✓

7.8	8.2	8.9	6.0		5.62	5.50	5.67	6.4	11.1	12.4
60	48	30	22		10		10	29	38	60

Spike in P.P. 32 Lt. Sta. 41+51

✓

6.6	7.0	7.4	5.7	5.52	5.43	5.61	5.6	5.9	9.8	9.9
60	47	27	20	10		10	19	30	38	60

✓

8.3	7.6	7.5	5.8	5.5	5.36	5.28	5.45	5.6	5.8	8.0	9.0
60	41	29	21	12	10		10	23	29	34	60

Sta	+	π	-	Elev
		984.74		
42	+50			979.54
43				979.70
	+50			980.04
44				980.58
	+42			981.10
	+55			981.33
45				982.09
	+40			982.82
T.P	6.52	989.42	1.84	982.90

Lt

F

Rt

✓

9.2	9.4	8.0	5.8	5.27	5.20	5.43	5.7	5.4	8.0	8.78	6
60	34	30	20	10		10	21	30	37	46	60

✓

11.1	10.9	6.1	5.5	5.21	5.04	5.18	5.3	5.6	5.4	9.3	9.6
60	34	22	18	10		10	21	28	38	48	60

✓

9.7	10.1	9.3	5.4	4.9	4.89	4.70	4.73	5.0	5.5	8.6	10.0
60	42	34	22	15	10		10	18	27	34	60

✓

8.4	7.8	7.3	4.9	4.37	4.16	4.23	4.7	7.9	10.4		
60	33	30	22	10		10	26	34	60		

✓

9.9	9.8	4.6	3.90	3.4	3.66	4.0	4.8	7.3	8.1		
60	33	21	10		10	18	26	32	60		

✓

10.0	9.9	4.5	3.9	3.68	3.41	3.44	3.7	5.8	3.6	3.6	4.0
60	34	21	12	10		10	22	27	29	33	60

✓

8.4	7.9	7.5	3.4	2.97	2.65	2.64	2.7	3.0	4.6	4.5	3.3	2.5
60	46	35	21	10		10	18	21	25	31	33	60

✓

4.5	3.3	2.6	1.9	2.09	1.92	1.97	1.9	2.9	2.9	1.9	1.6
60	38	29	23	10		10	21	24	30	34	60

Sta	+	π	-	Elev
		989.42		
45	+60			983.03
	+65			983.09
46				983.46
	+90			983.66
	+75			983.92
47				984.21
	+50			984.50
48				984.45

H

E

Bh

✓
 6.7 6.2 6.1 7.6 7.6 6.6 6.52 6.39 6.41 6.5 7.3 7.3 6.5 5.3
 60 40 32 27 25 22 10 10 20 24 29 32 50

✓
 6.6 6.2 5.4 7.2 7.3 6.6 6.47 6.33 6.34 6.3 7.2 7.1 3.9 3.9
 60 40 33 28 24 21 10 10 20 24 27 34 60

✓
 4.9 3.7 3.4 6.1 6.8 6.2 6.16 5.96 5.97 5.9 6.6 6.6 0.7 +0.3
 60 46 33 28 23 21 10 10 19 23 24 35 60

✓
 4.8 4.0 3.6 5.8 6.9 6.9 6.1 5.85 5.76 5.83 5.8 6.6 6.6 0.0 +1.0
 60 42 33 29 25 23 21 10 10 20 23 25 34 60

✓
 3.6 2.9 2.9 5.7 6.5 6.5 5.7 5.59 5.50 5.56 5.5 6.2 6.3 1.0 1.3
 60 47 32 28 25 23 21 10 10 20 22 25 34 60

✓
 2.3 2.5 5.6 6.3 5.6 5.32 5.21 5.22 5.1 5.0 6.1 6.1 2.9 3.7
 60 34 27 24 20 10 10 11 21 24 26 34 60

✓
 2.2 2.7 5.4 6.1 5.2 5.01 4.92 4.92 5.0 6.8 4.8 6.2 4.9 5.5
 60 33 27 29 19 10 10 20 25 28 30 39 60

✓
 4.2 4.4 5.7 4.9 5.03 4.97 5.08 5.2 6.9 7.1 6.6 6.7 7.6 7.4
 60 27 23 20 10 10 22 28 32 35 40 45 60

Sta	+	π	-	Elev
		939.42		
48	+50			984.31
49				984.18
	+50			984.06
50				983.82
	+50			983.43
T.P.	2.09	985.40	6.11	983.31
51				982.91
	+50			982.31
52				981.80

44

2

Pf.

51 52 67 69 53 515 511 523 55 62 72 73 72 80 78
60 32 29 25 23 10 10 20 24 27 32 41 45 60

5.1 5.2 7.1 7.0 5.5 5.30 5.24 5.39 5.4 6.0 7.4 6.9 7.9
60 34 29 25 20 10 10 18 24 27 37 60

4.7	5.2	7.3	7.3	5.8	5.9	5.36	5.45	5.6	7.2	7.5	6.3	7.4
60	33	29	25	22	10		10	22	26	30	34	60

47 50 47 68 76 71 60 5.63 560 569 60 7.6 7.6 60 7.0 6.9
60 39 39 30 27 24 21 10 10 21 26 29 33 44 60

51	5.0	8.1	7.5	6.5	6.03	5.99	6.12	6.4	8.2	8.2	6.0	6.0	6.9	7.3
60	33	27	24	21	10		80	22	26	30	33	38	45	60

2.1	1.9	46	46	30	251	249	263	29	47	47	2.4	3.7
60	33	29	26	21	10		10	22	26	30	33	60

26	25	51	51	34	122	309	321	35	53	53	33	44
60	39	29	26	20	10	10	21	26	29	33	60	

[illegible]

Sta.	+	π	-	Elev.
		985.40		

52 + 09 X Drain Flow Line

+39

981.39

+56

981.14

+60

981.14

+66

981.04

+81.85

980.83

53

980.55

+16

980.25

Lt.

E

Rt.

$$\begin{array}{r} 6.62 \\ 25.5 \\ \hline \text{Culv.} \end{array}$$

$$\begin{array}{r} 7.06 \\ 2.27 \\ \hline \text{Culv. Top dirt} \end{array}$$

Culv.

✓

42	41	63	69	45	4.11	401	410	416	4.2	6.52	44	5.4
60	33	29	26	21	10		10	14.7	25	29	32	60

✓

4.2	4.3	4.9		4.31	4.26	4.28	4.62	4.7	6.78	4.9	5.4
60	33	28		10		10	26.5	39	42	46	60

✓

52	53	48	45	458	426	4.34	4.38	4.81	51	6.6	6.9
60	46	34	18	10		10	14.5	31	42	43	60

✓

4.2	4.5		4.45	4.36	4.48	4.67	5.16	5.5
60	35		10		10	21	46	60

✓

40	43	456	4.57		4.64	5.24
60	19	10			10	60

✓

4.4	4.6	4.8	4.95	4.85	4.92	4.84	5.1	5.5
60	27	11	10		10	17.7	37.4	60

✓

54	55	68	70	53	5.6	5.22	5.15	5.23	5.24	5.5	5.7	6.6
60	34	31	29	25	21	10		10	19.7	24	33	60

Sta.	+	π	-	Elev
		985.40		
53	+25			980.11
	+50			979.74
B.M.	1.39	982.22	4.57	980.83 (980.83)
54				979.11
	+50			978.67
55				978.19
	+50			977.77
56				977.54
	+50			977.35

Lt.

R

Rt.

✓

L.O.	58	61	72	70	53	538	529	541	543	56	65	65	L.O.
	37	23	30	25	20	10		10	148	23	25	37	60

✓

L.O.	68	19	80	60	57	568	566	585	60	63	77	76	L.O.
	37	32	24	21	18	10		10	18	23	27	37	

Top Mont. Cleveland & Carpenter Ave.

a. ✓

L.O.	46	52	50	34	315	311	318	35	41	52	86	L.O.
	36	32	25	21	10		10	18	22	26	36	

✓

L.O.	49	56	66	41	362	355	369	41	45	57	57	62	L.O.
	36	31	25	22	10		10	19	21	26	33	35	

✓

L.O.	53	60	60	47	43	406	403	416	45	50	61	63	L.O.
	36	32	25	23	19	10		10	18	23	26	35	

✓

L.O.	58	62	64	53	48	450	445	456	47	51	68	66	L.O.
	36	32	26	23	19	10		10	18	22	26	34	

✓ ✓

L.O.	61	66	65	53	49	476	468	482	50	52	70	64	67	L.O.
	36	33	26	23	20	10		10	18	21	27	31	36	

✓

L.O.	61	67	68	54	52	491	487	499	54	58	69	69	66	65	71	L.O.
	36	32	26	23	19	10		10	20	23	26	28	29	34	35	

Sta.	+	π	-	Elev.
		982.22		
57				977.26

	+50			977.23
--	-----	--	--	--------

58				977.19
----	--	--	--	--------

	+50			977.09
--	-----	--	--	--------

59				976.84
----	--	--	--	--------

T.P.	404	980.80	5.96	976.74
------	-----	--------	------	--------

	+50			976.48
--	-----	--	--	--------

+525 Flow Line Box Culv.

60				976.31
----	--	--	--	--------

Lt

K

Rt

L.O. 6.2 6.3 6.6 6.6 5.3 5.1 5.01 4.96 5.09 5.3 5.6 6.9 7.0 6.7 6.9 7.2 L.O.
 35 33 31 25 22 18 10 10 19 22 26 29 31 35 36

L.O. 6.2 6.4 7.0 7.0 5.5 5.3 5.01 4.99 5.15 5.3 5.4 6.9 7.1 6.7 6.6 7.1 L.O.
 36 33 32 25 21 19 10 10 19 22 29 30 32 33 34

L.O. 6.3 6.2 7.1 7.1 6.6 5.3
 36 34 32 25 21 18

5.08 5.03 5.15 5.6 7.0 6.9 6.4 6.9 L.O.
 10 10 21 25 31 33 34

L.O. 6.5 6.1 7.5 7.5 5.6 5.19 5.13 5.29 5.5 5.9 7.1 7.2 6.3 6.9 L.O.
 36 33 30 25 21 10 10 21 24 27 30 33 34

L.O. 6.7 6.5 7.9 7.7 5.7 5.43 5.38 5.53 5.8 6.3 7.3 7.6 7.2 7.9 L.O.
 37 34 30 25 21 10 10 19 22 25 29 33 35

L.O. 5.3 5.2 6.8 6.7 4.4 4.45 4.32 4.42 4.6 4.9 6.9 6.9 6.5 7.6 L.O.
 37 33 30 25 21 10 10 19 21 27 29 31 34

6.8 7.38
 Ground. Culv.

7.38 7.2 prains
 Culv. Ground in Culv.

4.7 4.8 4.6 6.8 4.6 4.54 4.49 4.58 4.7 5.2 6.5 6.5 7.7
 60 34 30 25 21 10 10 19 22 26 33 37

Sta.	+	x	-	Elev.
		980.80		
60	+50			976.14
61				976.02
	+50			975.99
62				976.07
	+50			976.19
63				976.19
	+50			976.30
64				976.50
T.P.	5.09	981.69	420	976.60

Lt

R

Rt

51 52 68 69 48
60 33 30 25 21

469
10

466 475 49 53 67 66 60 69 L 0
10 19 22 27 31 33 35

48 51 66 66 52 49 487 478
60 33 30 25 22 18 10

486 51 56 69 69 71 L 0
10 18 22 27 33 35

52 54 66 66 50 49 483
60 33 30 25 21 18 10

481 493 52 57 69 65 72 L 0
10 19 22 27 34 36

50 53 69 65 52 49 478 473
60 33 30 25 21 18 10

489 50 54 65 67 62 68 L 0
10 19 23 26 31 32 36

53 57 67 67 48
60 33 31 27 21

466
10

461 480 49 52 68 68 69 60 64 L 0
10 19 22 27 28 29 34 36

56 59 66 66 50 47 466 461
60 33 31 25 22 19 10

477
10

50 55 63 67 62 67
20 24 26 32 33 36 L

54 57 65 64 50 46
60 32 30 26 22 19

457 450
10

464 49 53 67 66 70 L 0
10 19 24 28 33 36

50 50 62 63 49 45 438 430
60 32 30 27 24 18 10

443 46 50 66 66 63 62 69 L 0
10 19 22 27 29 30 33 35

sta	+	π	-	Elev
		981.69		
64	+50			976.77
65				977.00
	+50			977.76
66				977.19
	+29			977.22
	+37			977.22
	+75			976.97
67				976.85
B.M.		2.84	978.85	

Lt

4

Rt

5.3 5.5 6.8 6.8 5.5 5.0 4.9 4.92 5.0 5.2 5.6 7.1 7.0 6.0 6.7
60 33 30 27 23 20 10 10 19 23 28 31 33 36

5.8 6.2 6.4 4.9 4.73 4.69 4.87 5.2 5.6 6.7 6.7 5.4 6.0
60 31 26 21 10 10 20 24 27 30 33 36

6.2 6.3 6.4 4.9 4.61 4.53 4.68 4.9 5.3 6.6 4.5 5.7 6.1
50 35 26 22 10 10 20 24 28 31 33 36

5.8 6.0 6.4 5.0 4.8 4.60 4.50 4.59 4.7 5.2 6.5 6.7 5.6 5.5
60 34 27 21 12 10 10 20 23 25 31 32 36

5.7 5.9 5.8 5.1 4.58 4.47 4.59 Diff 10 + 37
60 34 25 22 10 10

4.5 4.7 5.0 5.0 4.58 4.47 4.56 4.7 5.0 6.3 6.3 5.3 5.8
60 43 27 20 10 10 21 23 26 32 34 36

4.3 4.4 4.5 4.6 4.68 4.72 4.92 5.1 5.5 6.7 6.8 5.8 6.3
60 47 32 13 10 10 19 24 25 32 33 37

4.2 4.7 4.83 4.84 5.01 5.1 6.9 6.9 6.1 6.5
60 12 10 10 20 27 31 33 37

Top S.W. Cor. Lower Step Front of Office Lt. Sta. 67+00

Sta	+	π	-	Elev
		981.69		
67	+30			976.74
	+61			976.64
	+68			976.65
68				976.55
	+50			976.26
69				975.82
T.P.	3.65.	979.19	6.15	975.54
	+50			975.35
70				974.85

Lt

E

Et

4.5 4.6 4.8 4.91 4.95 5.13 5.3 6.9 6.9 6.8 6.8
60 22 11 10 10 20 26 32 33 37

4.9 5.0 5.0 5.0 5.05 5.23 5.4 6.0 7.0 7.0 6.4 6.9
60 42 25 10 10 20 24 27 31 33 37

4.7 5.3 6.2 6.1 5.1 4.98 5.04 5.20 5.4 6.2 7.2 7.2 6.8 6.8
60 34 29 26 21 10 10 20 24 26 30 33 37

4.6 4.8 5.3 6.2 6.2 5.2 5.05 5.14 5.27 5.4 7.1 7.1 6.3 6.9
60 37 33 28 26 19 10 10 21 26 31 33 37

5.3 5.6 7.1 7.0 5.9 5.47 5.43 5.60 5.8 6.4 7.3 7.5 6.3 6.8
60 35 29 26 21 10 10 20 24 26 30 33 38

5.6 5.9 7.1 7.0 5.9 5.89 5.87 6.09 6.1 5.7 5.8 7.8 7.8 6.6 7.1
60 32 29 26 21 10 10 17 19 21 26 31 33 38

4.2 4.4 5.5 4.2 3.84 3.84 4.02 4.2 5.8 6.0 4.7 5.2
60 42 26 22 10 10 21 26 31 33 37

5.1 5.2 6.0 6.1 4.6 4.36 4.34 4.54 9.9 6.4 6.4 5.3 5.9
60 40 29 25 22 10 10 21 26 31 33 37

Sta.	+	π	-	Elev
		979.19		
70	+37			974.45
	+61	Approx. E. Tatum St.		974.31
	+87			974.07
I.P.	3.13	976.99	533	973.86
71				974.03
	+50			973.81
72				973.55
	+50			973.33
73				972.97

Lt

E

Rt

55 56 62 6.5 50 470 474 488 51 56 67 67 58 63
60 41 30 26 23 10 10 19 23 26 31 33 37

49 486 488 509 52 57 68 69 60 65
60 10 10 18 24 26 31 33 37

52 54 68 68 50 510 512 527 54 58 71 71 62 67
60 34 30 26 23 10 10 18 23 27 31 33 38

Edge Pav. R1 sta. 71

2.8 3.3 4.8 47 30 297 296 313 31 36 50 50 41 44
60 33 30 26 22 10 10 19 23 27 31 33 37

36 39 53 52 3.8 34 34 319 318 338 35 39 52 51 44 49
60 34 29 26 22 20 12 10 10 18 22 27 31 33 36

41 41 57 55 38 346 344 366 38 43 54 55 47 51
60 33 30 26 20 10 10 19 22 26 31 33 36

41 42 59 58 39 370 366 385 40 45 57 58 48 53
60 34 29 27 22 10 10 20 22 26 31 33 36

45 50 59 59 43 407 402 415 45 49 61 61 50 56
60 38 30 27 22 10 10 19 22 25 31 33 36

Sta	+	π	-	Elev
		976.99		

73	+50			972.37
----	-----	--	--	--------

74				971.73
----	--	--	--	--------

	+50			971.17
--	-----	--	--	--------

75				970.77
----	--	--	--	--------

	+50			970.21
--	-----	--	--	--------

76				969.85
----	--	--	--	--------

T.P.	2.75	972.48	7.26	969.73
------	------	--------	------	--------

	+50			969.42
--	-----	--	--	--------

77				969.05
----	--	--	--	--------

Lt

Z

Rt

4.8 5.0 5.6 6.5 6.5 4.9 4.72 4.62 4.69 5.1 5.5 6.6 6.6 5.5 6.1
60 45 36 30 26 21 10 10 20 23 26 30 33 36

5.1 5.5 6.7 6.8 4.9 5.1 5.30 5.26 5.37 5.6 5.9 7.2 7.2 5.8 6.5
60 33 30 26 21 12 10 10 19 22 26 30 33 36

6.4 6.9 7.6 7.5 6.1 5.88 5.82 5.96 6.2 7.8 7.8 6.5 6.6 7.1
60 35 28 25 22 10 10 20 26 30 32 35 36

6.8 7.4 7.9 7.9 6.5 6.35 6.22 6.35 6.7 8.3 8.3 7.0 7.3
60 36 32 25 20 10 10 21 26 30 33 36

7.0 7.7 8.5 8.5 7.2 6.80 6.78 6.97 7.0 7.4 8.7 8.6 7.5 7.5
60 38 30 26 22 10 10 18 23 27 31 33 36

7.9 8.0 9.0 9.0 7.8 7.4 7.22 7.14 7.25 7.4 9.1 9.2 7.8 7.7
60 33 31 26 22 18 10 10 22 26 30 33 36

4.0 3.8 5.0 5.0 3.4 3.08 3.06 3.22 3.1 5.0 5.1 3.8 3.6
60 33 30 26 22 10 10 20 26 29 33 36

4.1 4.4 5.3 5.5 3.8 3.52 3.43 3.60 3.6 3.8 5.3 5.4 3.6 3.8
60 34 31 27 22 10 10 19 23 26 30 33 36

Sta + - Elev

972.48

77 +50

68.50

78 +75

67.90

+50

67.28

+75

66.93

+93

66.84

+90

66.72

79 +98.64 & New Brighton Rd.

66.49

80 +27

66.24

Lt.

E

Rt.

4.4 4.4 5.7 5.6 4.2
60 33 30 26 22

3.98
10

3.98 4.06 4.2 4.6 5.8 5.8 4.9 4.7
10 19 22 26 28 34 60

4.8 4.7 6.3 6.3 4.8 4.53 4.58 4.64 4.8 5.0 6.4 5.5 5.9 5.2
60 33 30 26 20 10 10 19 22 26 29 34 60

5.3 5.4 7.1 7.0 5.6
60 34 30 25 21

5.27
10

5.20 5.31 5.5 5.8 7.2 7.1 6.0 5.8 5.9
10 20 23 26 29 32 39 60

5.6 6.0 8.0 8.1 5.9 5.62 5.55 5.64 5.8 6.1 7.5 7.6 6.4 6.4 6.2
60 41 60 48 38 28 23 10 10 19 22 26 29 33 41 60

7.3 7.5 6.0 6.3
60 39 34 27

5.71
10

5.64 5.74 5.9 6.3 7.7 7.8 6.5 6.4 6.1
10 19 23 27 29 32 45 60

6.2 6.1 5.82 5.76 5.85 6.1 6.5 7.7 7.7 6.5 6.4 6.1
60 35 10 10 19 22 26 30 33 43 60

6.0 6.0 5.9 6.12 5.99 6.07 6.2 6.6 8.1 7.9 6.4 5.9
60 33 11 10 10 19 24 28 31 33 60

6.3 6.6 6.3 6.36 6.24 6.28 6.5 8.2 8.1 6.4 6.4
60 34 11 10 10 20 27 30 33 60

Sta	+	x	-	Elev
		972.48		
79	+54			65.80
80				65.29
B.M.	1.96	968.46	5.98	966.50
	+50			64.75
81				64.23
+37	Flow Line Box Culv.			
	+50			63.87
82				63.65
	+50			63.46

Lt

R

et

64 6.1 67.0 85 85 67 6.72 648 678 68 71 85 85 67 6.2
60 48 34 30 26 22 10 10 19 22 27 30 33 45

75 77 92 91 72 721 719 738 75 92 93 80 79
37 33 30 26 21 10 10 21 26 30 33 60

Top Sec. Cor. 1100 Int. New Brighton Rd. & Laipentour Ave.

43 5.8 58 57 381 371 390 39 42 62 62 54 5.5
33 31 26 20 10 10 19 22 27 29 34 60

50 63 62 45 42 426 423 442 44 68 68 64 58 6.1
34 31 27 22 19 10 10 21 27 28 30 39 60

7.24

Culv.

7.38

Culv.

7.2

Ground.

58 68 67 45 44 4.60 4.59 4.87
33 31 28 22 19 10 10

50 69 69 63 66
22 27 28 32 50

60 66 66 48
33 31 27 21

478 481 5.08 5.0 7.7 7.7 6.9 7.2
10 10 21 27 31 32 60

60 66 65 5.19 5.02 5.00 5.25 51 55 7.7 81 70 7.3
33 31 26 22 10 10 19 23 27 30 33 60

Sta.	+	π	-	Elev.
		968.46		
83				63.49
	+50			63.40
84				63.23
	+50			62.91
85				62.41
T.P.	3.67	965.98	615	962.31
	+50			61.96
86				61.68
	+50			61.61

Lt

R

Rt

5.9 6.9 6.8 5.5 5.2 5.04 4.97 5.20 5.2 5.6 8.0 7.3 7.3
 33 30 27 22 19 10 10 19 22 27 31 60

6.0 6.9 6.9 5.6 5.20 5.06 5.17 5.3 5.6 7.9 7.9 6.9 6.8
 33 29 28 22 10 10 19 24 27 29 33 60

6.1 7.4 7.3 5.9 5.40 5.23 5.35 5.4 8.2 8.2 6.5 6.2
 33 31 26 22 10 10 21 28 29 33 50

6.4 7.6 7.6 6.0 5.63 5.65 5.68 5.7 8.8 8.8 6.8 7.0
 33 31 27 22 10 10 20 27 29 34 60

7.1 8.2 8.1 6.8 6.3 6.10 6.05 6.18 6.3 6.5 8.9 9.3 8.4 8.7
 33 31 26 23 18 10 10 19 23 28 30 32 60

5.2 5.9 5.9 4.7 4.2 4.01 4.02 4.22 4.4 7.1 7.1 6.7 6.3 6.6
 33 31 26 23 18 10 10 21 27 28 30 33 60

5.5 6.0 6.2 5.1 4.5 4.25 4.30 4.55 4.8 7.2 6.6 6.7
 33 32 27 24 21 10 10 20 27 38 60

5.6 6.2 6.3 4.7 4.39 4.37 4.55 4.8 7.6 7.1 7.0
 33 31 26 21 10 10 20 27 33 60

Sta	+	π	-	Elev	
		965.98			
87	+00			61.47	61.47
	+50			61.26	
88				61.02	
	+50			60.72	
89				60.56	
	+40			60.33	
	+76			60.12	
	+76				

LH

L

RH

5.2 6.4 6.5 50 4.48 4.51 4.68 4.9 7.6 7.6 5.9 5.7
 33 31 27 23 10 10 20 27 29 33 60

5.2 6.4 6.5 54 5.0 5.03 4.82 4.72 4.85 5.0 7.8 7.8 6.7 6.4
 33 31 27 23 19 10 10 20 27 29 33 60

6.0 7.1 7.1 5.6 5.1 5.01 4.96 5.07 5.4 8.0 8.0 6.1 6.4
 33 31 26 22 18 10 10 20 28 29 34 60

6.8 7.4 7.2 5.6 5.2 5.31 5.26 5.36 5.4 8.3 8.3 6.3 6.7
 33 32 26 23 18 10 10 21 29 28 34 60

7.3 8.0 7.9 6.0 5.7 5.53 5.42 5.49 5.6 8.8 8.3 6.9 7.0
 33 31 27 20 17 10 10 20 27 29 34 60

7.8 8.4 8.2 6.0 5.77 5.65 5.68 5.8 8.6 8.6 7.2 7.2
 33 36 26 20 10 10 19 27 29 34 60

7.7 8.5 8.2 6.6 6.2 5.97 5.86 5.88 6.0 8.9 8.9 7.7 7.3
 33 31 26 21 19 10 10 21 27 29 32 60

6.0 6.3 6.3 7.3
 21 28 32 60

Sta.	+	π	-	Elev
		965.98		
90				60.02
	+28			
	+28			59.93
T.P.	4.46	964.23	6.21	959.77
	+56			59.86
91				59.75
	+50			59.62
92				59.54
B.M.			4.76-	959.47 959.47
	+50			59.38

Lt

2

Rt

76 83 83 67 62 608 596 598
33 30 26 23 18 10 10

58 65 66
23 39 60

66 63 60 59 59
22 27 31 46 60

77 33 31 67 63
33 32 26 21 17

612 605 616 66 92 92 93 87 87
10 10 22 26 23 31 46 60

60 66 66 52 47 442 437 451
33 31 27 23 18 10 10

51 73 75 79 71
20 27 29 32 60

61 65 63 50
33 32 26 22

456 449 459 50 75 76 68 70
10 10 21 27 29 32 60

60 66 64 49 466 461 472
33 32 27 23 10 10

52 76 76 62 68
23 27 29 33 60

60 65 64 52
33 32 26 22

475 469 481 50 76 71 61 65
10 10 22 27 30 32 60

Top Mark sta 921

59 67 67 52 493 485 494 53 79 79 52 49
33 32 26 23 10 10 21 26 27 31 35

Sta	+	π	-	Elev.	Grade
		964.23			

93				959.02	
----	--	--	--	--------	--

+32 Flow Line Box Culv.

+50				58.53	
-----	--	--	--	-------	--

94				57.87	
----	--	--	--	-------	--

+50				57.38	
-----	--	--	--	-------	--

95				56.81	
----	--	--	--	-------	--

T.P.	3.47	960.30	7.40	956.83	
------	------	--------	------	--------	--

+50				56.33	
-----	--	--	--	-------	--

96				55.90	
----	--	--	--	-------	--

LH

L

RH

57 70 69 53
33 30 26 22

✓
531 521 531 54 80 80 53 L.O.
10 10 22 26 27 31

82 871
Ground Culr

✓
894 84
Culr. Ground.

58 72 71 56
33 30 26 22

✓
577 570 577 60 84 84 58 45
10 10 22 26 27 32 35

✓
51 56 61 82 82 61 630 626 636 66 91 91 64 65
60 37 33 30 27 21 10 10 22 26 27 31 34

70 71 88 88 68
60 34 31 26 21

✓
690 685 693 70 68 99 99 75 71
10 10 17 21 26 28 32 34

✓
83 92 93 80 744 742 755 76 78 105 105 99 86
60 33 26 22 10 10 18 23 27 29 31 33

50 56 55 43
60 33 26 22

✓
399 397 414 43 72 72 58 59
10 10 20 27 29 31 33

✓
53 56 61 45 449 440 451 46 75 77 69 68
60 37 26 22 10 10 19 27 29 31 33

Sta.	+	π	-	Elev.
		960.30		
96	+43			55.70
	+49			55.69
	+58	Flow Line Box Culv.		
	+69	Flow Line Culv.		
	+87			55.33
	+89			55.53
97				55.32
	+50			55.35

Lt.

R

Rt.

Culv.

61 7.02 4.8 4.5 4.63 4.60 4.71 4.8 7.8 8.1 7.8
60 28 24 16 10 10 19 26 30 33

5.6 4.5 4.5 4.63 4.61 4.71 4.7 7.8 7.8
60 22 11 10 10 19 26 33

7.85 7.7
Culv. Ground.

6.90
38

5.7 5.5 4.6 4.7 4.83 4.77 4.85 9.9 5.9 8.1 8.1
60 38 21 11 10 10 19 21 26 33

Culv.

5.7 5.7 6.90 4.9 4.7 4.83 4.77 4.85 9.9 5.9 8.1 8.1
60 33 30-28 25 12 10 10 19 21 26 33

6.1 5.9 6.8 6.8 4.9 4.85 4.78 4.85 5.0 8.1 7.7 8.1
60 33 31 27 21 10 10 20 26 31 33

6.2 5.8 6.7 6.8 5.7 5.9 5.05 4.95 5.03 5.2 5.6 7.9 7.9 7.1
60 33 31 26 23 19 10 10 19 21 26 29 31

Sta.	+	π	-	Eick
		960.30		
98				55.32
T.P.	7.01	962.25	506	955.24
+50				55.32
99				55.53
+50				55.84
+88				56.31
+93				56.40
100 +19				56.72
+24				56.77

Lt

L

Rt

59 58 70 70 56 52 5.07 498 5.09 51 74 77 64
60 35 30 27 23 17 10 10 20 26 29 31

Lt side Br 56 98

6.9 7.4 8.7 8.8 6.9 7.06 6.93 6.92 7.0 8.9 9.2 7.9 8.0
60 33 31 25 21 10 10 20 25 29 31 33
25

6.4 6.9 8.7 8.9 7.2 6.89 6.72 6.71 6.9 7.3 8.8 8.9 7.5 8.3
60 33 30 26 22 10 10 21 23 27 30 32 60

56 64 83 83 7.0 6.58 6.41 6.41 6.5 7.0 8.4 8.3 7.0 7.8
60 33 29 26 22 10 10 19 22 26 31 33 60

Elev
Culv
5.3 5.9 7.5 8.0 6.3 6.02 5.94 5.99 60 7.8 7.7 6.9 7.3
60 33 30 26 22 10 10 22 25 31 33 60

56 60 5.92 5.85 5.94 6.0 7.3
60 30 10 10 22 47

5.2 5.8 5.41 5.53 5.62 6.0 7.4 7.6 6.6 7.2
60 25 10 10 21 25 31 33 60

Culv
4.9 5.3 6.9 7.4 6.0 5.7 5.58 5.48 5.56 5.9 7.7 7.5 6.5 7.0
60 33 30 27 24 21 10 10 20 27 31 33 60

Sta	+	-	Elev.
		962.25	

100	+50		57.07
-----	-----	--	-------

101			57.63
-----	--	--	-------

	+50		58.08
--	-----	--	-------

102			58.38
-----	--	--	-------

	+50		58.44
--	-----	--	-------

102	+57		58.40
-----	-----	--	-------

103			58.39
-----	--	--	-------

T.P.	3.42	961.69	3.98	958.27
------	------	--------	------	--------

	+50		58.28
--	-----	--	-------

Lt.

K

Rt.

✓

97	53	70	70	54	531	518	525	57	62	72	71	58	67
60	33	29	27	22	10		10	19	23	25	30	33	60

✓

40	46	62	61	51	467	462	481	51	55	65	66	51	58
60	33	29	25	22	10		10	20	23	25	30	33	60

✓

40	36	43	61	61	47	427	417	422	46	50	59	60	45	54
60	40	33	29	26	22	10		10	20	22	25	29	33	60

✓

42	43	58	57	45	399	387	398	42	60	60	45	52
60	33	30	27	23	10		10	22	26	30	33	60

✓

40	42	57	57	43	41	391	381	390	44	48	59	62	45	52
60	34	31	26	21	19	10		10	20	22	25	30	33	60

✓

46	45	392	385	397	411	6150
60	29	10		10		

✓

47	49	44	390	386	398	43	56	61	46	50
60	35	20	10		10	20	25	30	33	60

✓

41	40	346	341	352	39	53	52	41	43
60	28	10		10	20	26	30	33	60

Sta.	+	π	-	Elev
		961.69		
104				58.14
150				57.74
105				57.14
108				57.03
113				56.98
116				56.89
105 + 35.05				56.76
155				56.43

& Snelling Ave.

LT

K

RT

✓

41 39 359
60 26 10

3.55 366 3.9 5.2 5.4 4.0 4.9
10 20 25 30 33 60

✓

45 4.9 41 4.01 3.95 4.09 4.3 5.5 5.6 4.2 4.5
60 27 18 10 10 22 26 29 33 60

✓

43 41 34 5.2 5.2 4.78 4.55 5.19 5.5 6.2 6.4 5.2 5.5
60 30 12 60 31 14.8 117.8 25 28 30 33 60

Culv

Culv

706 5.2 5.1 6.2 7.1 5.1 4.94 4.79 4.66 4.94 5.53 5.9 7.0 7.80
38 60 48 58 38 32 20.3 10 10 25.8 36 47 60

✓

5.3 5.1 5.9 6.8 5.0 5.02 4.98 4.71 5.05 5.76 5.80
60 - 57 57 42 34 24.5 10 10 37.8 60

Top Bl. Tar 1" Thick

52 4.8 5.03 4.84 4.80 5.02 5.78
60 40 33 10 10 60

✓

4.68 4.75 4.93 5.27 5.55
60 25 25 60

✓

Top Bl. Tar 1" Thick

5.0 4.9 5.00 5.07 5.26 5.30 5.74 5.9
60 32 24 10 10 41 60

Sta	+	π	-	Elev
		961.69		
105	+76			56.20
B.M.	5.08	961.69	5.08	956.61 (956.61)
106				55.94
B.M.	0.16	958.58	3.27	958.42
+29				55.57
+50				55.30
+59				55.20
107				54.67
+50				54.10
108				53.82

Lt

R

Rt

✓

61	62	73	73	53	55	551	549	561	58	67	66	70
60	49	45	27	21	19	12		133	24	28	39	60

Top Mont. Snelling + Larp. Ave's.

✓

6.6	67	7.7	5.8	5.78	5.75	5.84	61	7.5	8.0
60	47	28	21	10		10	21	28	60

Top Hyd. S.E. Cor. Snelling + Larp. Ave's.

✓

37	37	46	34	31	205	301	314	30	33	46	5.5	5.6
60	44	34	28	16	10		10	14	19	25	27	60

✓

5.4	38	34	3.35	3.28	3.26	3.5	47	5.5	5.6
60	48	22	10		10	18	26	45	60

✓

38	3.8	3.44	3.38	3.47	33	41	51	5.6
60	43	10		10	12	24	32	60

✓

4.5	47	3.97	3.91	3.98	4.1	56	57	4.9	5.3
60	30	10		10	20	26	30	33	60

✓

45	46	453	448	456	50	63	63	5.4	6.2
60	35	10		10	22	25	31	33	60

S.W.)

✓

4.29	46	51	5.13	5.06	5.17	52	47	6.8	6.0	6.7
60	46	32	10		10	21	25	31	33	60

Sta	+	π	-	Elev
		958.58		
108	+50			5306
109				52.72
	+40			52.47
	+40			
110	+70			5230
110				52.18
T.P.	4.66	956.75	6.49	952.09
	+40			51.97
	+66			51.87

Lt

R

Et

S.W.

4.55 5.5 5.61 5.52 5.64 6.0 6.5 7.5 7.6 7.0 7.2
60 32 10 10 19 23 25 31 33 60

S.W.

4.61 5.8 5.93 5.86 6.00 6.3 7.9 8.0 7.1 7.4
52 37 10 10 21 26 32 34 60

5.5 5.5 6.0 6.1 6.16 6.11 6.19 6.5 8.1 8.2 7.5 7.7
60 46 39 30 10 10 21 26 31 34 60

Cult

5.5 6.0 8.31 6.1
46 39 35 30

7.2 7.3 8.0 8.2 4.4 6.37 6.28 6.36 6.6 8.2 8.4 7.7 7.8
60 48 45 27 23 10 10 21 26 31 34 60

7.9 7.1 7.8 8.2 6.5 6.51 6.40 6.98 6.8 7.2 8.5 8.4 7.7 8.1
60 48 45 26 21 10 10 20 23 26 32 33 60

5.8 5.4 6.5 6.5 4.9 4.87 4.78 4.86 5.1 5.4 6.7 6.7 6.1 6.8
60 48 44 28 23 10 10 20 23 27 31 33 60

6.1 6.1 7.1 6.7 4.9 4.92 4.88 4.92 5.2 6.3 6.5 7.2
60 29 40 27 21 10 10 21 25 34 60

Sta.	+	π	-	Elev.
		956.75		
110	+82			51.83
111				51.80
	+40			51.73
	+72	Flow Line Box Culv.		
	+76			51.71
112	+07			51.68
	+	End Culv. Lt.		
113	+43			51.68

Lt.

R

Rt.

CULV.

6.8 5.7 7.3 4.7 499 492 500
60 50 36 31 10 10

5.1 6.7 7.5
20 26 60

3.9 4.8 4.9
60 34 11

5.06 495 507 5.2 6.8 7.7
10 10 21 26 60

4.1 5.0 4.9 507 502 5.12
60 32 19 10 10

5.1 6.9 7.3 7.8
21 26 46 60

M.H.

7.49

7.56

CULV

4.9 5.0
60 32

5.11 504 5.15 5.2 7.0 7.4 7.7
10 10 21 28 45 60

5.1 4.9 5.11 507 5.16
60 25 10 10

5.5 5.7
36 60

7.49
F.L.

6.2 6.0 6.8 7.4 6.7 6.4 5.11 507 5.17 5.2 7.5 7.3 6.8 7.6
60 48 44 34 29 23 10 10 19 27 32 34 60

Sto.	+	π	-	E/cv.
		956.75		
113				51.61
	+50			51.61
114				51.55
	+50			51.52
115				51.47
B.M.	1.10	956.19	1.66	955.09
	+50			
116				
	+50			

Lt.

R

Rt.

✓
 56 57 70 71 56 519 514 5.21 75 72 72 64 7.1
 60 48 43 28 22 10 10 21 26 30 34 60

✓
 54 53 67 6.8 6.4 5.23 514 5.28 5.5 7.1 7.1 6.0 6.7
 60 48 43 26 21 10 10 21 26 31 34 60

✓
 57 5.5 6.9 6.8 5.6 5.23 5.20 5.31 5.4 5.8 7.0 7.0 5.9 6.4
 60 48 44 25 21 10 10 19 22 26 30 34 60

✓
 46 48 72 71 56 5.31 5.23 5.34 5.5 5.8 7.0 7.1 5.8 6.0
 60 50 45 28 19 10 10 20 23 26 31 33 60

55 54 74 73 57 5.34 5.29 5.38 5.5 7.1 7.0 5.8 5.4 5.8
 60 48 34 26 22 10 0 10 20 25 30 33 44 60

Top Hyd. N.E. Cor. Arena & Larpentour Ave

49 48 6.6 6.6 5.1 4.84 4.76 4.84 5.0 6.5 6.5 4.7 5.0
 60 49 44 26 22 10 10 23 26 30 33 60

49 48 6.6 6.7 6.6 5.2 4.90 4.83 4.90 5.0 6.6 6.6 5.0 5.2
 60 49 43 36 26 22 10 10 22 26 30 33 60

51 51 6.6 6.8 6.8 5.3 4.92 4.87 4.95 5.2 6.5 6.5 5.0 5.2
 60 48 42 36 27 22 10 10 22 25 30 33 60

sto + π - E/cv.

956.19

117

+50

118

+36

T.P. 4.58 955.71 5.06 951.13

+66

119

+50

120

LH

L

RH

5.2 5.3 6.6 6.7 6.7 5.5 501 490 500 5.3 7.0 7.0 5.8 5.8
60 48 43 36 26 24 10 10 21 25 30 34 60

5.1 5.3 6.2 6.7 6.7 5.4 504 493 5.10 5.5 7.1 7.1 5.9 6.2
60 48 45 36 26 22 10 10 21 26 31 33 60

4.7 5.3 6.6 6.9 5.3 505 5.00 5.14 5.4 7.1 7.3 5.9 6.5
60 47 43 27 22 10 10 21 26 33 35 60

5.0 5.2 6.5 6.7 6.0 5.3 512 505 5.19 5.6 7.2 7.4 6.1 6.6
60 48 45 32 30 21 10 10 21 26 36 39 60

St. Pex. Pascal + Lacapelle Ave.

5.0 5.2 4.9 467 458 4.75 5.3 5.7
60 46 32 10 10 27 60

6.1 5.8 6.3 6.4 6.3 4.8 4.65 4.54 4.75 5.2 6.6 6.9 6.4 5.8 6.0
60 44 42 35 27 22 10 10 21 26 37 45 48 60

5.6 5.4 6.4 6.6 6.4 5.1 4.78 4.67 4.86 4.9 6.8 7.0 6.9 5.7 5.7
60 45 43 35 27 22 10 10 21 25 35 44 48 60

5.7 4.9 6.7 6.8 6.7 5.3 4.78 4.70 4.84 5.1 6.7 6.9 6.7 4.4 4.6
60 45 42 34 28 22 10 10 22 26 35 41 49 60

Sta	+	π	-	Elev
		95571		

120 +50

121

+50

B.M.

2.71

953.00

952.98

+66

+96

122 +26

+60

123

Lt

L

Rt

56 46 65 67 66 50 492 483 492
60 45 42 35 28 22 10 10

48 64 66 33 34
23 26 37 48 60

55 48 67 70 70 59
60 44 41 34 27 21

509 500 504 50 68 70 63 27 29
10 10 22 26 33 38 49 60

58 55 76 76 57 528 523 534 54 72 74 68 29 29
60 44 41 29 22 10 10 22 27 32 38 49 60

Top Hyd. N.W. Cor. Holton & L'Angeleur Ave's.

60 59 77 73 57 539 535 596 54 74 74 68 31 31
60 43 40 27 22 10 10 22 26 33 38 49 60

57 55
60 31

561 556 564 56 75 77 74 37 36
10 10 22 26 32 38 48 60

59 60 83 84 62 597 591 598 61 81 80 43 44
60 48 43 26 21 10 10 21 26 37 48 60

61 62 81 83 88 65 628 622 633 64 82 82 74 52 50
60 28 43 38 35 26 21 10 10 21 26 34 40 48 60

61 62 83 85 90 88 68 679 672 675 67 86 86 53 55
60 48 42 39 35 26 21 10 10 21 27 38 49 60

Sta	+	π	-	Elev
-----	---	-------	---	------

		955.71		
--	--	--------	--	--

123	+50			
-----	-----	--	--	--

124				
-----	--	--	--	--

T.P.	4.69	951.65	8.75	946.96
------	------	--------	------	--------

	+50			
--	-----	--	--	--

	+65			
--	-----	--	--	--

125				
-----	--	--	--	--

	+31			
--	-----	--	--	--

	+61			
--	-----	--	--	--

126				
-----	--	--	--	--

Lt.

R

Rt.

81 76 83 90 87 69 732 720 728 73 90 91 88 64 63
60 43 39 37 27 20 10 10 21 26 34 39 48 60

86 87 101 95 80 773 765 775 78 94 97 94 73 73
60 42 37 27 22 10 10 22 25 33 41 48 60

Top End Curb. 124/110

45 49 68 68 60 56 44 408 400 411 41 58 59 58 46 45
60 42 36 33 32 26 21 10 10 21 26 36 42 47 60

47 48 49 44 421 411 420 43 60 60 49 50
60 38 23 20 10 10 21 26 43 49 60

55 53 440 430 438 46 62 62 54 55
60 22 10 10 21 26 45 49 60

55 49 453 440 456 50 53
60 39 10 10 37 60

52 54 65 65 48 464 449 469 51 63 64 65 50 51
60 49 38 33 23 10 10 21 26 35 47 50 60

50 51 67 67 58 51 480 470 489 52 66 67 68 56
60 51 38 34 29 23 10 10 22 27 39 53 56

Sta	+	π	-	Elev
		951.65		

126 +50

127

+11

+50

+20

128

+50

TP	516	950.63	618	945.97
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129

Lt

R

Rt

64 66 57 57 68 68 61 53 482 483 502 54 68 69 67 64
 60 52 49 45 43 33 25 20 10 10 22 26 38 47 60

60 59 66 67 70 66 52 509 493 511 55 70 73 73 67 57
 60 45 43 37 35 29 20 10 10 21 26 37 45 48 60

5.0 5.0 5.0
 60 35 20

507 496 513 56 71 73 73 66 67 57
 10 10 22 26 39 46 49 54 60

48 47 49 516 505 522 56 71 72 72 65 68 50
 60 41 20 10 10 22 26 37 45 49 55 60

49 53 70 71 69 50 520 512 527 56 71 71 71 65 56
 60 49 43 36 28 21 10 10 21 26 36 45 48 60

49 53 72 70 50 529 520 535 56 71 72 72 62 55
 60 47 43 29 20 10 10 21 26 37 45 49 60

50 54 68 72 71 56 540 528 538 54 71 72 71 60 51
 60 48 43 36 26 22 10 10 22 26 36 44 48 60

40 41 62 64 61 50 448 438 432 50 60 63 63 50 51
 60 50 44 35 26 22 10 10 14 26 36 43 48 60

Sta.	+	π	-	Elev.	
		950.63			
129	+50				
130					
	+50				
131					
	+50				
	+65				
	+87				
	+97.15				
B.M.	4.68	950.16	525	945.38	945.35

Lt

K

Et

5.0 5.3 6.5 6.7 6.6 4.9 4.61 4.50 4.69 5.3 6.4 6.6 6.4 5.2 5.0
60 49 44 33 27 21 10 10 22 26 36 43 48 60

5.6 5.6 6.8 6.8 6.4 4.9 4.80 4.69 4.86 5.2 6.7 6.8 6.8 5.9 6.0
60 48 44 36 26 21 10 10 22 26 38 45 48 60

5.7 5.9 6.8 6.9 6.9 5.4 5.1 4.93 4.85 5.03 5.3 5.9 6.7 7.2 7.0 6.3 6.4
60 48 45 37 29 23 18 10 10 21 24 27 37 45 48 60

5.9 5.9 6.7 6.8 6.9 5.5 5.3 5.07 4.98 5.16 5.4 7.0 7.1 7.0 6.2 6.3
60 49 45 36 26 22 20 10 10 22 26 36 45 49 60

5.8 5.7 6.8 7.4 6.9 5.7 5.4 5.21 5.15 5.23 4.5 7.1 7.2 7.1 6.0 6.0
60 49 45 36 27 21 17 10 10 22 28 37 46 49 60

4.8 5.0 5.0 5.4 5.24 5.18 5.22 5.7 5.8 6.9 6.9 5.2 5.0
60 44 26 23 10 10 28 38 42 44 47 60

5.1 5.2 5.23 5.24 5.30 5.3 5.4
60 35 10 10 36 60

5.2 5.3 5.41 5.30 5.48 5.6 5.5
60 35 10 10 27 60

Top Mont Hamline & Carpentier Aves.

Sta	+	π	-	Elev
		950.16		

132 H4

+24.5

+31

+36.2

+57

+61

+86

+96.3

Lt.

E

Pt.

4.7 5.4 5.5 5.45 5.28 5.49 5.6 5.2 4.68 5.11 5.03
 60 42 31 10 10 19 23 395 395 60

4.5 4.8 5.8
 60 48 28

5.39 5.59 5.31 5.3 4.45 4.92 4.79
 10 10 15 4.0 4.60 60

4.2 4.9 6.0 6.11 5.81 6.03 5.97 5.49 4.38 4.72 4.54
 60 44 25 10 10 15 15 4.5 4.65 60

4.0 4.5 6.2
 60 44 23

6.31 6.02 6.22 5.86 5.38 4.27 4.62 4.41
 10 10 20 20 4.4 4.4 60

2.1 3.0 3.4 6.2 6.6 7.2 7.34 7.08 7.29 6.96 6.60 5.65 5.08 4.27
 60 41 35 27 21 15 10 10 15 20 30 38 50

3.0 3.1 4.4 9.6 9.6 7.3
 60 36 31.7 26.3 25 18

7.55 7.28 7.52 6.65 5.72 5.00 4.31
 10 10 20 30 40 55

L.O. 2.5 10.2 9.6 8.7 8.80 8.58 8.79 8.06 7.60 6.2 4.4 4.0
 35 25 22 19 10 10 20 20 30 50 54

1.8 2.0 10.5 9.6 9.3 9.35 9.11 9.32 8.95 8.58 8.1 8.0 8.7 8.4 6.7 3.8
 45 35 25 21 19 10 10 15 20 17 21 27 30 33 60

Sta	+	π	-	Elev
		950.16		

133 +07.4

+25

+58

134

+50

135

+50

136

Lt

L

Rt

L.O. 1.5 109 104 99 992 970 991 991 968 94 97 113 111 70 45 40
 41 25 21 19 10 10 109 104 12 19 24 27 33 51 60

L.O. 1.3 117 116 109 1081 1054 1075 109 122 120 106 73 50 45
 37 25 22 20 10 10 20 23 26 29 33 48 60

1.0 0.9 135 132 125 1245 1226 1238 126 131 131 77 47 37
 50 39 25 22 20 10 10 18 21 24 33 47 60

0.2 0.6
 60 43

0.6 0.5
 60 47

1.2 1.4
 60 61

2.6 2.8
 60 49

L.O. 45 84 13.5
 55 48 40

Sta.	+	π	-	Elev.
		950.16		
136	+38			
T.P.	0.78	937.62	13.32	936.84
134				
	+50			
135				
	+50			
136				
	+30			
	+70			
T.P.	0.92	924.94	13.60	924.02

Lt

L

Rt.

L.O. 87
55

29 26 1.8 1.96 1.72 1.95 26 55 56 7.1 57
25 22 19 10 10 25 36 43 54 60

54 52 45 4.92 4.18 4.42 4.9 65 63
25 22 21 10 10 19 35 60

8.1 7.8 7.1 6.97 6.78 7.01
25 22 20 10 20

73 68 76 84
22 35 50 60

104 9.9 9.2 9.50 9.3 9.51 9.5 100 100 101
25 22 20 10 10 20 24 32 60

131 124 120 11.97 11.80 12.06 12.2 133 146 196
25 22 20 10 10 21 24 49 60

3.4 8 11.0
43 33

42 87 35 87
60 55 50 40

sta + π - Elev

924.94

136 +38

+70

137

+50

T.P. 0.94 916.83 8.95 915.99 (915.89)

+75

138

+40

+70

Lt.

E

Pt.

23 25 14	1.15	0.91	1.12	1.3	2.8	27	2.0	2.0
27 24 21	10		10	21	26	31	32	60

38 41 31	276	2.52	270	29	45	42	27	29	30
29 25 21	10		10	22	26	30	33	57	60

1.6 00 00 52 51 46 4	4.31	4.05	4.23	47	55	55	35	4.0	48
60 46 40 32 24 22	10		10	23	25	29	33	55	60

140 151 139 9.5 74 691 676 7.00 7.0	94	86	76	76		
60 50 36 29 23 10	10	22	26	30	33	60

Nail in P.P. #4 Cor. with bench levels

S.S. 2.9 1.4 1.2 07 0.14 10.02 0.26 0.3	25	25	04	0.0		
60 55 40 25 10	10	22	27	30	33	60

143 122 87 24 1.5	1.38	1.22	1.47	1.8	37	47	41	76
60 42 37 26 23	10		10	22	27	35	46	60

193 186 17.2 167	143	57	3.9	3.34	3.20	3.46	37	68	92	118	125
53 50 43	39	26	22	10		10	22	38	38	47	60

66 55 477 461 492 53	95	125	16.5		
25 22 10	10	22	29	38	60

Sta.	+	π	-	Elev.
		916.83		

139

+35

T.P.	1.91	909.06	9.68	907.15
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138 +70

139

+35

+75

140

+30

Lt.

2

Rt.

21 6.8 6.19 6.04 6.98 6.7 11.2 12.2 13.3 13.1 15.5 ss.
 24 21 10 10 21 30 37 42 50 60

9.3 8.3 7.93 7.74 8.05 8.2 8.9 12.5 19.7 s.s.
 22 20 10 10 20 27 37 60

12.8 12.2 9.1 9.7 7.5
 60 53 46 45 39

13.5 13.4 11.0 11.6 9.1
 60 52 47 45 36

16.5 13.0 11.9 12.4 11.4 9.8
 60 51 46 44 40 35

16.5 12.6 12.1 11.8 10.3 2.7 2.0 1.72 1.46 1.75 2.1 3.1 5.6 9.7 8.0
 60 51 45 38 34 22 19 10 10 26 30 39 55 60

13.7 13.8 11.5 11.3 12.5 7.1 3.5 2.8 2.62 2.34 2.53 2.6 2.8 4.6 6.6 5.8
 60 55 48 45 42 29 23 19 10 10 22 27 33 48 60

13.2 13.1 12.2 9.5 4.5 3.9 3.56 3.21 3.47 3.5 3.9 5.3 5.3 3.7 4.6
 60 52 44 32 23 19 10 10 21 23 27 30 34 60

Sta	+	π	-	Elev.
		909.06		

140 +70

+82 X Drain

141

+43

+85

142

+08

TP	907	916.03	210	906.96
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+55

LT

L

RT

12.4 120 120 112 52 46
60 46 39 33 22 18

434 404 442 46 6.1 6.2 42 5.0
10 10 22 26 29 33 60

6.1 V.
FL

12.0 121 132 137 140 115 55 5.0 450 424 464 48 63 63 44 51
60 39 35 31 31 31 23 19 10 10 23 26 30 33 60

9.5 10.0 9.2 11.4 11.6 10.5 5.3 4.82 4.58 4.84 5.7 6.6 6.6 5.0 6.1 6.2
60 55 47 43 37 32 22 10 10 23 26 30 33 48 60

3.0 3.7 4.5 7.4 9.8 5.5 5.37 5.04 5.30 5.4 5.5 6.8 7.0 6.0 6.2 6.6
60 50 46 39 33 22 10 10 17 21 26 31 33 53 60

1.4 2.4 8.4 7.8 5.6
60 43 32 23 22

5.30 5.06 5.37 5.4 7.1 7.4 5.8 6.2
10 10 21 26 31 33 60

1.6 2.7 8.0 8.0 5.4 5.24 4.94 5.44 6.1 6.8 6.8 5.4 5.3 6.1
60 41 33 28 22 10 23 27 31 33 41 60

1.8 2.8 7.9 7.9 7.4 5.6
60 41 33 30 26 22

5.22 4.92 5.21 5.2 4.8 5.1 5.9
10 10 17 22 36 60

11.1 12.0 14.7 12.3 11.9 11.80 11.58 11.80 11.6 11.7 12.0 12.3 12.4
60 40 34 30 22 16 10 10 11 25 37 39 60

Sta	+	π	-	Elev
		916.03		

143

+50

144

+50

145

B.M.

6.05

909.98

(909.93)

+04 FL Culv. Rt.

+14

+30

Lt

2

Rt

130 132 140 137 116 112 1116 1095 1112 112 108 113 115
60 44 38 30 24 18 10 10 15 23 41 60

125 134 134 106 101 994 980 1005 105 109 99 93
60 36 31 22 17 10 10 15 29 34 60

119 117 116 95 90
60 38 29 22 16

878 861 882 92 93 84 809 798 795
10 10 16 19 24 24 30.3 33

5.12

110 111 98 94 107 80 75 75 740735 742 73 662 652 640
60 49 37 33 30 23 20 15 10 10 24 24 30 327

5.12

70 64 64 79 79 62 63
60 37 33 30 28 23 17

634 617 624 63 66 65 58 518 483 479
10 10 15 16 22 23.7 23.7 30.3 33

5.12

Top Mark 2 slo 145 + 04.30

high point

6.33 = Top Culv.

20

59 60 78 60 601 580 592 58 54 457 368 206
60 32 28 24 10 10 16 24 24 37 60

5.12

Culv.
FL.

58 54 72 59 56
60 34 28 24 17

557 539 548 54 41 559 39 32
10 10 22 41 41 48 60

Sta	+	π	-	Elev
		916.03		

145 +44

+59

+74

+85 FL. C. N. RT

+87

146

T.P.	10.84	923.87	3.00	913.83
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+50

147

Lt

Z

Rt.

49 56 69 69 55 53 513 496 508
60 32 29 27 23 18 10 10

48 44 37 25
11 28 41 60

Culm
FL

51 57 67 67 52 50
60 32 29 27 22 18

472 455 480 46 43 47 60 37 30
10 10 11 23 42 42 49 60

S.W.

51 55 59 66 66
60 33 31 30 27

44 435 419 450 44 36 396 200
21 10 10 11 29 31 60

5.87 = Top Culm.

21

51 52 56 67 67 38 403 390 412 38 68 56 03 +24
60 40 31 29 27 21 10 10 21 22 26 36 60

30 33 63 63 32 362 349 384 34 56 56 111 +30
60 33 29 27 21 10 10 19 22 25 34 60

9.9 10.5 10.0 131 131 10.1 10.08 995 10.18 104 10.8 120 120 37 30
60 43 34 29 27 22 10 10 19 22 23 25 36 60

82 85 79 122 122 9.0
60 43 36 28 26 21

863 843 868 88 9.8 10.8 10.8 22 0.5
10 10 20 22 24 26 36 60

Sta	+	π	-	Elev.
		923.87		

147 +50

148

+50

149

+50

150 +85

+95

150 +08

Lt

L

Rt

7.0 75 6.6 11.3 11.3 7.9 7.58 7.40 7.55 7.6 8.2 9.3 9.3 2.2 2.1
60 43 36 30 27 21 10 10 16 22 23 25 33 60

6.7 6.4 6.7 10.7 10.7 6.8 6.88 6.68 6.88 6.7 6.7 8.5 8.5 2.4 2.6
60 43 36 30 27 21 10 10 11 20 23 25 33 60

7.2 7.8 6.6 10.1 10.1 6.2 5.98 5.80 5.99 5.7 6.0 6.4 7.8 7.8 3.4 3.2
60 44 36 31 28 21 10 10 12 19 21 25 27 33 60

7.8 8.4 7.0 9.7 9.7 5.3 4.92 4.71 4.93 5.0 5.3 6.9 6.9 4.0 3.7
60 43 35 31 28 22 10 10 20 22 26 29 34 60

8.4 8.4 6.9 9.2 9.2 8.0 4.5 3.83 3.62 3.90 3.7 4.2 5.9 5.9 3.7 3.5
60 40 37 33 30 28 22 10 10 14 22 26 30 34 60

8.4 8.5 3.5 3.20 2.96 3.21 3.1 3.4 4.9 4.9 3.5 3.4
60 38 25 10 10 14 20 25 30 33 60

3.8 3.8 3.1 2.90 2.67 2.94 2.7 3.1 4.7 4.7 3.7 3.3
60 47 27 10 10 13 21 26 32 34 60

3.5 2.9 2.5 2.61 2.36 2.55 2.7 4.1 4.4 4.4 3.8 3.2
60 31 11 11 10 21 25 26 31 33 60

Sta	+	π	-	Elev
		923.87		

150 +23

+37

+72

T.P	10.21	933.57	0.51	923.36
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151

+50

+88

152

+08

Lt.

E

Rt.

41	32	23	2.0	2.20	1.95	2.14	2.2	2.8	4.5	4.5	3.6	3.2
60	37	19	11	10		10	19	22	27	31	34	60

77	66	2.3
60	37	23

176	1.52	1.78	1.7	2.2	3.9	4.1	3.5	3.0
10		10	18	21	25	31	35	60

7.0	7.2	1.2	0.71	0.43	0.69	0.6	1.0	3.2	3.4	2.5	1.9
60	33	22	10		10	17	20	26	31	33	60

Nailin PP Rt.

16.8	16.6	16.6	9.9	9.48	9.2	9.42	9.7	11.8	11.9	10.6	10.5
60	39	33	21	10		10	21	26	31	34	60

147	139	142	140	135	8.1	7.84	7.55	7.80	7.9	9.7	9.7	5.9	6.2
60	42	40	37	35	22	10		10	21	25	27	33	60

11.0	10.0	7.8	8.2	8.0	6.6	6.64	6.33	6.48	6.4	7.3	7.4	3.2	2.7
60	46	32	30	26	21	10		10	21	23	27	33	60

10.1	8.7	7.0	7.8	7.7	6.2
60	46	32	31	26	22

6.21	5.89	6.08	5.9	5.3	4.8
10		10	12	35	60

9.3	8.2	6.1	7.3	7.3	4.1	5.46	5.59	5.81
60	52	32	30	26	22	10		10

5.7	5.1	4.6
12	27	60

Sta	+	π	-	Elev.	
		933.57			
152	+25				
	+33				
	+65				
B.M.	8.08	940.66	0.95	932.52	(932.58)

153

+50

154

+33

+65

Lt.

2

Rt.

74 48 41 66 66 55 517 492 517 52 56 58
60 44 32 29 25 22 10 10 24 40 60

69 38 31 65 65 52 482 457 490 47 61 59 51 53
60 44 33 28 25 22 10 10 21 23 30 33 60

32 69 07 53 53 42 383 360 390 38 56 55 45 34 130
60 41 34 27 24 21 10 10 20 24 31 32 47 60

Top Hyd. S.E. Cor. Dunlap & Carpentier Ave.

79 58 57 110 110 102 975 946 975 98 101 127 125 28 28
60 42 34 26 24 21 10 10 17 20 27 38 54 54

80 61 57 96 96 85 835 812 852 89 103 103 46 31
60 43 33 27 24 22 10 10 22 24 26 35 60

105 83 79 87 87 75 707 691 718 71 88 88 50 40
60 36 31 29 26 22 10 10 22 24 26 33 60

112 106 110 108 105 70 658 639 660 66 83 83 51 45
60 45 40 37 33 22 10 10 21 24 27 33 60

117 112 112 101 65 607 586 612 63 77 77 53 47
60 42 38 35 23 10 10 22 25 29 33 60

Sta	+	π	-	EICK
		940.66		

153

T.P.	9.47	946.36	3.77	936.89
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+50

156

+14

+50

157

+50

B.M.	450	946.32	4.55	941.81	(941.82)
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+73

LT

E

RT

115 110 108 99 5.9
60 43 38 34 23

538 517 539 57 7.1 7.2 50 42
10 10 23 26 29 34 60

152 149 138 107 102 990 970 100 100 102 111 111 85 75 73
60 50 33 24 21 10 10 18 22 25 28 34 39 60

125 120 92 89 860 840 867 87 92 92 64 5.9
60 34 29 23 10 10 20 23 28 32 50

99 89 84
60 37 22

822 804 832 83 8.3 6.3 6.0
10 10 22 29 33 60

L.O. 69 67 74 74 7.28 710 7.28 7.3 7.5 7.9 65 61
45 34 26 19 10 10 11 16 25 40 60

40 44 59 63 6.24 602 6.24 6.4 6.2 58 55
60 34 27 22 10 10 19 26 33 55

43 48 52 512 542 521 547 6.0 6.0 5.6
48 41 27 11 10 10 23 38 60

Top Sec. Cor. Pipe Lexington + Leconte Ave.

Top
Curb

49 49 50 516 516 502 533 54 4.94 47 56 57 56
60 35 21 11 10 10 13 15.2 25 27 41 60

Sta.	+	Σ	-	Elev	
		946.32			
157	+89				
	+971				
158	+10.64				
	+241				
	+286				
	+43				
	+70				
159					
B.M.	0.20	944.62	1.89	944.43	944.42

Lt.

R

Rt.

Top
Curb

50	51	499	499	470	498	517	53	56
60	29	175	10		10	29	41	60

462
25.2

Rod

510 5.08
60 36.2

490 461 468 497 512 530 5.36
10 10 30 30 50

478 471 467 450 4.56 4.81 4.90 50
60 28 10 10 30 30 60

502 495 476 4.59 471 522 5.35
60 36 10 10 30 60

48 49 476 476 461 475 5.27 5.40 5.59
60 36 22 10 10 24 36 60

41.47
Top
Curb

48 4.9 49 496 490 474 494 50 4.56 5.1 5.10
60 37 21 11 10 10 15.3 15.3 29 43.5

41.72

Cone.

47 48 50 517 501 525 5.2 5.10
60 38 23 10 10 25 38.2

Cone.

45 46 51 53 596 532 555 5.63 5.44 4.80
60 45 29 12 10 10 15.3 24 51

Cone

Sta	+	π	-	Elev
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		944.62		
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159	+50			
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160				
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	+15			
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	+63			
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	+92			
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	+97			
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161	+39			
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	+50			
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LH

R

RH

36	4.0	405	385	412	4.5	3.8
60	30	10		10	25	60

37	42	44	432	413	445	4.6	4.1	4.5
60	46	27	10		10	20	34	60

4.0	42	4.5	4.35	425	4.51	44	6.2	6.2	45	4.5
60	42	22	10		10	22	25	30	33	60

4.1	4.0	4.9	472	453	487	4.8	6.4	6.4	5.7	5.9
60	44	20	10		10	19	26	31	33	60

4.5	4.7	4.8	5.0	4.88	467	4.99	5.4	7.0	7.1	7.9
60	49	34	22	10		10	22	26	33	60

4.5	5.0	4.91	472	503	5.4	5.4	5.2
60	18	10		10	21	35	60

7.7	7.7	5.6	5.4	5.0	5.16	497	529	5.7	5.4	4.9
60	47	32	27	30	10		10	22	33	60

8.080	7.9	7.0	7.4	5.1	5.17	499	5.33	5.6	6.1	8.0	8.7	9.1	
60	49	43	37	27	22	10		10	18	22	28	42	60

Sta	+	T	-	Elev
		944.62		

162

+50

163

T.P.	8.28	949.56	4.34	940.28
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+50

+60

164

+50

165

Lt

L

Rt

7.0 77 7.5 5.4 5.33 5.09 5.38 5.6 6.0 7.0 7.5 7.7
60 39 28 2.2 10 10 19 23 26 44 60

7.6 6.8 6.4 5.7 5.4 5.13 5.42 5.6 5.9 6.4
60 35 26 23 10 10 22 38 60

6.1 5.9 5.4 5.1 5.92 5.16 5.42 5.8 5.9 6.0
60 46 30 20 10 10 22 38 50

10.0 10.4 10.3 9.5 9.1 9.12 8.93 9.27 9.7 9.3 9.5 10.6
60 40 27 24 19 10 10 26 34 55 60

10.0 10.5 10.3 9.4 9.1 9.09 8.90 9.22 9.3 10.7 10.8 10.7
60 40 27 23 19 10 10 20 26 40 60

9.2 10.0 10.1 9.0 8.8 8.79 8.43 8.93 9.0 9.5 10.7 10.7 10.7
60 40 27 23 19 10 10 18 22 26 46 60

8.0 8.4 9.2 9.5 8.2 8.1 8.20 8.07 8.36 8.5 8.9 10.0 9.6
60 46 38 27 23 18 10 10 18 23 27 60

7.6 7.7 8.3 7.8 7.6 7.50 7.35 7.62 7.6 7.9 8.8 8.0 7.9
60 41 27 22 19 10 10 18 20 24 39 60

Sta.	+	π	-	Elev.
		949.56		

165 +50

166

+50

167

+50

168

+50

169

B.M.	0.12	945.83	2.85	945.71	945.79
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Lt

E

Rt

6.8 6.9 7.5 6.6 6.5 6.52 6.34 6.59 6.8 7.2 7.8 7.0 7.1
60 37 27 22 19 10 10 19 22 24 42 60

5.2 5.3 6.5 5.7
60 47 27 21

5.60 5.37 5.63 5.9 6.1 6.8 6.1 6.0
10 10 19 22 25 40 60

4.6 4.5 5.0 5.7 4.9 4.8 4.60 4.96 5.1 5.7 5.5 5.3
60 47 35 25 18 10 10 19 23 40 60

4.2 4.5 5.1 4.5
60 42 25 24

4.57 4.38 4.65 4.8 6.0 5.1 4.7
10 10 19 25 40 60

4.2 4.3 5.5 4.8 4.67 4.53 4.76 5.0 6.3 5.7 5.1
60 46 26 21 10 10 19 25 33 60

4.4 5.0 5.7 5.1 5.07 4.82 5.15 5.3 6.9 6.9 4.7 4.5
60 41 26 22 10 10 20 26 29 33 60

4.5 5.1 6.1 5.4
60 44 27 21

5.46 5.30 5.57 5.6 7.5 7.5 4.8 4.7
10 10 21 26 29 33 60

5.1 5.1 4.5 6.6 6.0 5.9 5.71 5.95 6.3 7.8 7.8 5.3 4.0
60 49 33 25 21 10 10 22 26 29 33

Sta.	+	π	-	Elev.
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		945.83		
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169	+50			
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170				
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	+50			
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171				
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105	Fl. Culm Lt.			
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	+15			
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	+23			
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	+32			
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Lt

A

Pt

24	26	44	24	35	372	357	382	37	53	53	35	34	36
60	50	27	19	11	10		10	21	26	30	33	49	60

51	55	55	42	402	386	410	43	60	60	43	40	38
60	47	27	20	10		10	20	26	30	33	43	60

6.8	6.9	7.7	6.3	4.7
60	39	31	27	19

453	437	460	4.8	6.7	6.9	6.5
10		10	19	31	42	60

74	76	85	6.8	51	51	493	471	505	54	57	72	72	6.9
60	43	31	26	21	19	10		10	13	22	29	43	60

12" Conc.

8.55

-29

85	8.7	8.7	81	65	56
60	42	39	33	27	22

516	494	520	55	59	7.6	75	73
10		10	17	21	27	44	60

60	57	51	521	503	530	56	5.8	76	7.7	76
60	31	11	10		10	17	21	28	44	60

59	56	52	51	530	510	536	57	63	7.8	80	7.9
60	39	24	11	10		10	17	21	28	43	60

Sta	+	π	-	Elev
		945.83		

171 +38 FL. Goly Rt

+42

+50

172

+50

173

+50

174

T.P	1.39	939.50	7.72	938.11
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Lt

K

Rt

850 18°C.M.
21

61	59	59	53	540	515	543	58	65	81	83	85
60	49	29	11	10		10	17	21	27	42	60

83	84	83	62	58	544	520	548	59	65	81	87	86
60	44	31	25	16	10		10	16	22	29	43	60

74	75	78	65	62	597	578	603	63	66	78	79	73	81	81
60	42	27	21	17	10		10	20	23	25	30	33	43	60

67	72	80	69	64	637	621	657	67	70	84	84	67	71	72
60	37	26	23	17	10		10	19	23	26	30	34	52	60

69	69	76	86	86	75	69	686	671	699	72	86	86	64	69
60	44	31	28	25	22	19	10		10	23	26	29	34	60

65	66	80	86	86	77	74	738	718	737	76	92	92	64	68	68
60	45	39	27	25	21	15	10		10	21	26	29	34	45	60

64	67	71	91	91	81	78	772	753	772	79	82	95	95	65	68	68
60	43	34	27	24	21	17	10		10	11	22	25	28	33	44	60

Sta.	+	π	-	Elev.
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		939.50		
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BM.

174 +50

175

+50

176

BM.	4.70	939.49	4.71	934.19
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+15

+44

+27

177

Lt

E

Rt

1.3 1.5 21 34 34 29 20 1.93 1.72 1.80 21 25 38 38 02 05
60 40 32 27.25 21 17 10 10 18 22 26 29 34 60

3.3 3.2 3.6 41 41 31 25 2.29 211 2.92 2.52 31 41 41 11 1.4 1.2
60 41 30 29 27 23 19 10 10 11 19 22 25 28 34 48 60

4.3 4.4 37 31 3.92 2.72 3.01 3.2 4.8 4.8 35 41
60 26 23 16 10 10 21 25 30 34 60

5.4 5.3 5.3 4.5 4.2 3.87 3.69 3.98 4.1 4.2 4.6 5.9 5.8 4.7 4.6
60 38 27 23 20 10 10 11 19 22 25 30 33 60

Drill Hole for Pav. & Victoria & LaPorte Ave.

5.9 5.8 5.4 4.4 4.4 4.20 3.99 4.31 4.4 4.5 4.9 6.1 6.1 4.7 4.7
60 40 29 23 19 10 10 11 17 23 26 30 33 60

5.0 4.7 4.6
60 40 19

4.91 4.70 5.05 5.1 5.1 6.5 6.5 4.7 5.0 4.6
10 10 20 23 26 30 33 41 60

6.1 5.9 6.4 5.9 5.82 4.59 5.73 5.7 7.0 7.0 4.9 5.1
60 23 28 19 10 10 21 25 30 34 60

6.0 5.3 5.5 7.2 7.3 6.5 6.41 6.17 6.40 6.6 7.8 7.8 4.7 4.7
60 47 33 26 22 19 10 10 20 23 28 35 60

Sta.	+	π	-	Elev.
		939.49		

177 +50

+92

178

+50

T.P.	0.16	927.61	12.04	927.45
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179

+50

180

+25

Lt

R

Rf

L.O. 49 93 93 85 830 802 827 86 96 94 59 57 61
34 25 24 19 10 10 21 23 27 32 46 60

L.O. 61 94 105 101 99 988 962 989 99 107 107 73 73
34 27 21 20 14 10 10 20 23 28 33 60

L.O. 64 99 109 104 103 1023 996 1024 100 105 133
33 27 21 20 15 10 10 20 32 60

L.O. 73 121 132 124 121 1213 1186 1204 122 132 131 117 118
33 28 23 21 15 10 10 21 23 30 33 36

L.O. 105 25 29 23 21 207 182 198 21 31 30 10 10
35 26 22 20 15 10 10 21 23 30 33 36

L.O. 22 43 45 38 36 354 339 358 36 45 45 27 26
32 26 22 20 15 10 10 20 23 29 33 36

64 67 61 53 55 50 48 469 453 471 46 57 55 34 34
60 52 34 32 23 20 16 10 10 20 23 29 33 36

65 68 68 61 59 54 51 512 487 507 53 51 60 61 43 43
60 48 39 32 22 19 13 10 10 16 21 24 29 33 60

sta.	+	π	-	E/OK
		93761		

180 +40

+62 FL. Colv. Lt.

+70

181

+12 FL. X Drain

+14

+54

182

Lt.

R

Pt.

6.2 67 6.0 6.2 55 5.9 534 515 5.2 55 5.3 53
 60 44 35 22 20 15 10 11 22 25 60

1.1' Clearance 7.94
 from conc. to top. 20

51 59 6.0 6.4 57 5.6 555 541 568 53 6.2 5.7
 60 41 28 22 26 16 10 10 11 33 60

L.O. 37 65 65 58 56 575 552 577 56 60 6.0
 33 25 22 18 15 10 10 22 43 60

7.9 827
 Ground. F.L.

867 7.8
 FL. Ground

L.O. 22 59 6.6 59 57 581 558 577 57 7.9 8.1 7.4 8.3
 35 26 22 20 15 10 10 21 26 31 34 60

L.O. 01 5.6 6.6 6.1 6.0 598 575 597 58 5.9 8.3 8.6
 34 26 22 20 15 10 10 12 20 28 60

L.O. 1.2 61 68 6.3 6.0 593 573 6.08 59 6.2 8.7 8.3 8.7
 33 26 22 20 14 10 10 12 20 27 34 60

sto.	+	π	-	E/CY.
		927.61		

182 +50

183

T.P.	3.76	924.98	6.39	921.22
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+50

184

+50

185

+34

+45

LH

L

RH

L.O. 29 6.0 6.8 6.2 6.1 6.07 5.90 6.21 6.9 6.9 8.7 8.8 7.7 7.8
 33 27 22 20 15 10 10 18 23 28 31 33 60

L.O. 4.2 6.7 7.0 6.5 6.23 6.09 6.39 6.3 6.6 8.6 8.4 7.1 6.7 6.1
 32 25 22 20 10 10 12 21 27 31 34 42 60

L.O. 1.4 4.2 4.7 4.1 4.0 3.95 3.79 4.05 4.0 4.4 6.1 6.0 4.3 2.9
 33 25 22 20 15 10 10 15 22 26 31 33 60

1.4 5.0 5.4 4.8 4.5 4.52 4.37 4.66 4.7 5.2 6.5 6.5 4.9 5.2
 34 25 22 20 15 10 10 15 22 25 31 33 60

4.1 6.1 6.3 5.3 5.1 5.20 4.92 5.21 5.3 5.6 7.1 7.1 5.8 6.1 5.2
 31 25 22 19 15 10 10 14 21 25 30 34 41 60

5.4 7.1 7.1 6.0 5.7 5.72 5.55 5.85 6.0 6.4 7.6 7.7 7.1 7.7 7.3
 31 24 22 19 15 10 10 15 21 25 39 35 48 60

5.6 7.7 7.7 6.6 6.2 6.14 5.99 6.33 6.5 7.1 8.4 8.6 7.8 8.8 9.3
 31 25 22 19 14 10 10 10 22 26 29 32 38 60

Cdv.)

L.O. 6.1 8.70 6.3 6.29 6.12 6.43 6.6 7.0 8.8 8.8 7.8 9.4 9.7
 27 20 16 10 10 15 20 26 29 32 40 60

Sta.	+	π	-	Elev.
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92498

185 +51

+60

B.M.	0.10	921.44	3.63	921.35	921.34
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186

+25

+32 Surface Drain Lt.

+34

+64

+67 Surface Drain Lt.

Lt

R

Rt

Sw)

6.09 6.27 6.2 6.38 6.22 6.50 6.6 7.0 8.7 8.7 7.8 9.9 9.8
 35 26.2 11 10 10 16 21 26 29 32 47 60

5.9 6.1 6.5 6.3 6.52 6.34 6.62 6.6 7.0 8.7 8.7 7.0 6.6 6.3
 42 28 20 11 10 10 15 22 26 29 34 45 60

Top Hyd. Rt. sta 18.5+

2.6 2.6 3.2 3.48 3.26 3.50 3.4 3.7 4.9 5.4 3.8 2.8
 50 29 14 10 10 14 20 24 27 34 60

2.69 2.86 3.45 3.80 3.61 3.46 3.74 3.7 3.9 5.7 5.6 4.2 5.2
 60 28 16.8 16.8 10 10 16 23 26 31 33 60

3.98

Surface Drains

(Top Curb)

2.57 3.05 3.40 3.74 3.98 3.65 3.54 3.82 3.9 4.0 5.5 5.7 4.6 5.4
 60 33 60 33 62 10 10 17 23 26 30 33 60

(Top Curb)

2.90 3.20 3.40 3.78 4.14 3.99 3.88 4.23 4.2 4.4 6.2 6.2 6.0 6.1 6.4
 60 33 60 33 24 10 10 15 22 26 32 34 43 60

4.23

Surface Drains

Sta.	+	π	-	Elev.
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		921.44		
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186	+72			
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187				
-----	--	--	--	--

	+44			
--	-----	--	--	--

	+47			
--	-----	--	--	--

	+63			
--	-----	--	--	--

188				
-----	--	--	--	--

T.P.	549	921.11	5.82	915.62
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	+50			
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189				
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Lt.

R

Pt.

2.81 3.27 3.80 4.21 4.23 4.03 4.35 4.3 4.6 6.3 6.1 6.5
60 33 15.6 15.6 10 10 15 22 26 34 60

2.8 3.3 3.9 4.61 4.46 4.75 4.7 5.0 7.7 7.1 7.3
50 30 18 10 10 15 22 30 43 60

3.2 3.9 4.7 4.8 5.1 5.12 4.96 5.30
34 30 22 15 13 10 10

Dillo + 47

FL.
CUR.

7.26 34 36 55 6.1 5.1 5.0 5.2 5.15 4.99 5.32 5.2 5.6 9.5 9.1 9.6
20 40 52 24 20 17 14 12 10 10 15 21 33 37 60

4.2 4.7 5.8 6.2 5.2 5.3 5.24 5.16 5.50 5.4 5.7 9.9 9.7 10.1
35 31 26 21 18 12 10 10 14 21 34 43 60

5.6 6.2 6.5 5.3 5.3 5.47 5.32 5.69 5.7 5.9 9.3 10.7 11.3
35 25 22 18 14 10 10 14 21 30 41 60

L.O 5.8 6.4 5.4 5.2 5.46 5.32 5.60 5.6 5.9 9.3 9.2 9.5
39 22 19 13 10 10 14 21 33 38 60

5.5 6.3 6.4 5.5 5.4
34 27 22 19 14

5.41 5.43 5.68 5.7 6.1 8.2 8.2 7.9 7.6
10 10 16 21 28 30 33 60

Sta.	+	π	-	Elev
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		92.11		
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189	+50			
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190				
-----	--	--	--	--

	+50			
--	-----	--	--	--

191				
-----	--	--	--	--

	+50			
--	-----	--	--	--

192				
-----	--	--	--	--

BM	5.19	925.13	1.15	919.96	(919.99)
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	+50			
--	-----	--	--	--

193				
-----	--	--	--	--

50° Above

1-24-42
K.F.
L.C.
C.F.

118

Lt.

K

Rt.

40 68 68 56 567 544 545 56 58 78 76 58 60 66
35 26 24 20 10 10 14 21 26 29 33 44 60

36 30 31 64 64 56 561 542 562 56 58 80 80 47 47 50
60 42 39 25 21 19 10 10 14 22 26 28 33 46 60

77 64 69 55 544 523 542 55 76 76 40 39 91
60 37 25 20 10 10 20 25 28 33 42 60

78 75 76 53 520 499 521 52 69 69 44 34
60 40 27 22 10 10 21 26 29 33 50

76 76 71 55 507 483 510 51 71 71 50 40
50 33 26 21 10 10 20 26 28 33 60

48 59 62 70 70 51 485 463 484 49 66 66 53 48
60 48 34 31 24 21 10 10 20 26 29 33 60

Top Hyd Rt. Sta. 1924.

96 91 103 105 88 838 816 847 85 102 102 87 75
60 33 31 26 22 10 10 20 24 31 34 60

L.O. 82 97 97 81 777 759 791 61 93 93 73 64
34 31 26 21 10 10 21 25 30 33 60

sta + π - Elev

925.19

193 +50

194

+50

195

+50

196

+50

197

B.M.

2.05

926.42

0.77

924.36

924.37

lt.

2

et

8.1 7.7 9.0 9.0 7.4 6.99 6.81 7.10 7.3 8.7 8.7 6.2 5.8
60 32 30 26 21 10 10 21 25 29 33 60

6.6 5.8 5.9 8.3 8.3 6.6 6.44 6.19 6.41 6.4 8.1 8.1 5.4 5.4
60 50 33 29 26 21 10 10 21 25 29 34 60

5.4 5.0 4.8 7.3 7.3 5.8 5.67 5.39 5.63 6.0 7.0 7.2 5.1 5.3
60 53 33 29 26 21 10 10 22 25 29 34 60

4.5 4.4 6.7 6.7 5.0 4.87 4.59 4.78 4.9 6.3 6.5 4.9 5.2
60 33 29 25 22 10 10 22 26 30 33 60

4.6 4.1 6.2 6.2 4.5 4.90 4.13 4.46 4.5 5.8 6.2 5.1 5.8
60 33 29 26 21 10 10 21 25 31 33 60

3.8 3.3 4.0 5.6 5.7 4.5 4.0 3.92 3.68 4.00 4.2 5.4 5.7 5.4 5.5
60 50 33 31 26 22 18 10 10 22 25 31 35 60

3.8 3.2 3.6 5.5 5.5 4.3 3.9 2.63 3.37 3.63 4.1 5.0 5.3 5.0 5.1
60 51 33 30 26 23 18 10 10 22 27 32 35 60

3.3 2.5 2.7 5.5 5.5 3.7 3.48 3.27 3.52 3.6 3.0 5.2 4.5 4.6
60 46 33 29 27 23 10 10 21 25 31 33 60

Top Hyd. S. Ave. Grotto. & Lapp colour Ave

Sta. + π - E/cv.

92642

197 +33

+36

+66

+96

198

+50

199

+50

Lt

L

Rt

43 43 36 40 67 67 49 467 445 472 45 47 58 59 52 58
 60 57 48 34 29 27 22 10 10 18 22 25 31 33 60

Ditto + 33

466 444 469 46 45 47 L.O.
 10 10 17 26 40

38 38 57 61 45 461 438 462 44 48 52
 60 34 30 26 19 10 10 13 33 60

Ditto sta. 198

459 430 458 46 44 47
 10 10 20 29 60

3.8 39 6.0 6.0 46 4.55 4.28 4.59 45 5.9 6.0 57
 60 34 29 25 21 10 10 21 24 37 60

37 39 61 61 48 453 431 467 48 62 63 62 57 L.O.
 60 34 29 26 21 10 10 21 26 35 47 49

3.2 36 40 63 6.8 47 475 451 4.83 5.1 6.4 6.4 6.0 6.4
 60 45 33 30 25 21 10 10 21 25 46 48 60

40 46 6.4 6.6 52 4.85 4.67 5.06 5.3 6.7 6.8 6.4 6.8
 60 33 30 25 21 10 10 22 25 46 48 60

Sta	+	π	-	Elev
		926.42		

200

+50

201

+50

202

T.P.	4.93	924.94	6.41	920.01
------	------	--------	------	--------

+50

203

+50

Lt

K

Rt

49 52 64 65 53 507485 517 54 59 70 70 65 66 62
60 34 30 25 21 10 10 19 21 28 31 33 46 60

58 57 69 69 55 517 497531 57 64 69 71 68 71
60 33 30 25 22 10 10 22 25 31 47 49 60

48 52 57 67 67 56 535 517 550 578 70 71 65 70
60 46 33 31 25 21 10 10 22 26 38 42 60

47 47 68 69 68 659 536 563 56 69 69 63 63
60 34 30 25 22 10 10 22 26 37 40 60

53 49 69 73 59 570 543 571 60 74 73 64 64
60 33 30 25 21 10 10 22 26 37 39 60

51 47 63 63 48 426 408 444 47 61 62 62 58 59
60 33 30 27 23 10 10 21 25 37 47 50 60

51 51 58 54 60 60 48 442 425 459 49 62 63 64 58 61
60 43 39 32 31 25 22 10 10 21 25 36 45 48 60

44 55 49 61 60 49 459 441 474 47 62 62 54 51
60 39 33 31 26 22 10 10 22 27 33 36 60

sta.	+	π	-	Elev.
------	---	-------	---	-------

92494

204

+50

205

+50

206

+50

207

+50

Lt

A

Et

51 53 49 63 63 52 477 453 484 50 6.5 6.5 57 5.5
60 35 33 31 26 23 10 10 20 25 33 34 60

⁵⁰
54 52 6.6 6.5 5.1 499 4.77 505 52 6.6 6.8 6.8 47 4.8
60 34 30 26 22 10 10 22 25 35 42 48 60

55 49 67 67 50 505 489 519 5.3 6.8 7.0 68 44 4.2
60 33 31 26 22 10 10 21 25 33 42 48 60

51 50 66 66 52 521 503 524 5.3 6.5 7.1 68 51 48
60 33 30 25 22 10 10 21 25 32 38 43 60

56 56 7.1 7.1 5.5 534 517 540 55 6.6 7.0 6.8 5.1 4.9
60 33 30 25 22 10 10 21 26 30 34 40 60

52 55 7.0 7.0 56 498 527 553 59 7.0 7.1 7.0 53 54
60 34 31 25 21 10 10 22 26 35 44 48 60

55 58 7.2 7.2 5.8 559 541 570 5.8 7.2 7.3 7.1 4.2 6.5
60 32 29 26 22 10 10 21 26 36 46 49 60

55 62 7.4 7.4 64 559 569 550 583 62 6.7 7.4 7.4 7.4
60 35 31 26 24 20 10 10 19 23 26 34 60

Sta.	+	π	-	Elev.
		924.94		

208				
T.P.	6.13	924.29	6.78	918.16

+50

209

+25

+30

+70

210

+33

Lf

R

Rf

6.9 7.4 7.2 7.8 7.8 6.8 6.2 5.88 5.69 5.95 6.8 6.7 7.8 7.9 7.9
60 40 33 31 26 24 17 10 10 17 22 25 40 60

6.5 7.2 6.8 5.9 5.7 5.4 5.22 5.56 5.8 6.2 7.2 7.6 7.3
60 33 26 24 16 10 10 17 21 25 41 60

4.4 5.1 7.2 7.3 6.1 5.62 5.40 5.70 5.93 5.7 5.8 7.4 7.6 7.1 7.0
60 37 32 25 21 10 10 18.4 18.4 24 29 47 50 60

4.4 5.3 7.4 6.0 6.1 5.65 5.45 5.72 6.03 5.8 5.8 7.4 7.4 6.5 6.5
60 39 29 23 18 10 10 20 20 27 32 46 49 60

4.6 5.1 5.8 6.0
60 45 29 17

5.66 5.46 5.75 6.06 5.8 6.1 7.3 7.4 6.5 6.4
10 10 20 20 27 31 46 49 60

5.5 5.6 5.5 5.69 5.45 5.73 5.93 5.5 7.3 7.2 6.0 5.9
60 35 15 10 10 20 26 32 46 49 60

5.4 5.5 5.5 5.5 5.59 5.36 5.62 5.84 5.7 7.3 7.4 5.9 5.8
60 43 26 13 10 10 20 27 32 44 48 60

(Fl. 60/16
M.H.)

5.0 5.77 5.3 5.24 5.32 5.14 5.36 5.72 5.6 7.3 7.4 5.7 5.5
60 34 28 12 10 10 26.8 34 38 43 48 60

Sta.	+	π	-	Elev.
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		924.29		
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210	+41			
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B.M.	2.50	924.33	2.50	921.79
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				921.83
--	--	--	--	--------

+60

+802

+902

+902

211

+13

+50

Lt.

C.

Rt.

4.8 5.0 5.0 5.26 5.07 5.25 5.49 5.6 5.2 5.0
 60 36 20 10 10 32.6 39 55 60

Top Hyd. Sw. Cor. Dale St. + Carpentier Ave.

5.1 5.0 5.1 5.30 5.24 5.25 5.42 5.67
 60 22 14 10 10 29 60

5.8 5.1 5.1 5.2 5.0 5.32 5.28 5.29 5.28 5.36
 60 48 40 26 11 10 10 31 60

6.0 5.2 5.2 4.9 5.23 5.28
 60 36 26 10 10

5.37 5.52
 31 60

P. 1/10

4.9 5.1
 10

5.37 5.52
 31 60

5.8 5.3 5.1 5.2 4.9 5.0 5.1 5.4 5.3 5.5
 50 44 34 20 11 9 15 28 50

Corb.)

6.0 5.2 5.2 4.9 4.9 5.0 4.7 6.0 6.0 5.2 5.2
 50 31 18 13 10 15 21 24 26 50

Top
 Corb.)

6.5 6.6 6.2 5.5 5.0 5.2 4.9 4.6 5.1 4.9 4.6 6.7 5.7 6.0
 60 4.06 4.86 32.6 24 21 12 10 15 21 24 28 60

Sta.	+	π	-	Elev.
		924.33		

212

+50

213

T.P.	4.72	924.70	4.35	919.98
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+50

214

+27

+34

215

Lt

K

Pt

54 48 50 46 51 50 76 74 69 73
32 13 11 11 14 20 25 28 50

FL. Gully

8.0 6.4 5.6 5.0 5.0 5.1 4.8 5.1 5.1 8.4 8.1 7.1 7.1
32 32 31 19 13 11 10 14 20 32 37 50

FL. Gully

9.10
20

54 52 51 48 52 52 87 73 73
32 19 12 10 15 22 37 50

Nail in T. P. Lt 213+

56 56 55 50 54 54 87 8.0 7.8 7.8
32 20 12 11 17 21 31 40 50

54 51 5.4
32 27 12

5.0 5.5 5.5 6.7 8.3 8.3 7.4 7.7
11 15 19 22 27 29 50

5.6 5.3 5.5 5.3 5.0 5.5 5.4 5.9 6.3 7.5 7.5 6.4 6.5
32 28 18 11 11 15 18 21 23 26 29 50

56 51 5.4
32 28 20

5.3 49 5.4 5.4 6.9 6.9 5.5 5.4
11 11 14 21 24 28 50

5.5 5.0 5.2 5.3 49 5.4 6.8 6.8 5.6 5.3
32 27 18 11 14 18 23 28 37

Sta	+	π	-	Elev.
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		92470		
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215	+50			
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216				
-----	--	--	--	--

	+50			
--	-----	--	--	--

217				
-----	--	--	--	--

	+50			
--	-----	--	--	--

218				
-----	--	--	--	--

T.P.	10.55	931.34	3.91	920.79
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	+33			
--	-----	--	--	--

	+66			
--	-----	--	--	--

Lt

L

Rt

56 53 52 54 55 50 54 58 68 68 49 40
32 28 24 19 11 12 16 17 23 27 50

56 51 51 52
32 27 12 10

49 54 53 66 66 50 49
11 14 19 24 26 50

55 46 47 48 45 48 70 70 48 45 45
32 27 17 10 12 20 29 28 40 50

56 47 47 46
32 27 18 12

42 46 47 64 65 45 44
12 13 21 25 29 50

16 17 50 50 48 44 45 40 45 46 60 60 33 36 36
50 40 32 26 24 17 11 12 16 21 26 30 43 50

07 05 46 49 43
50 37 28 22 20

44
11

39 91 51 58 58 17 18
15 19 23 27 32 50

6.5 to 21.8

66 64 122 122 113 110 105 110 119 121 60 74
50 36 28 23 20 13 15 21 26 34 50

60 55 116 125 125 115 112 107 112 121 112 61 70
50 37 28 24 22 20 12 15 23 27 34 50

Sta	+	π	-	Elev.
-----	---	-------	---	-------

		991.34		
--	--	--------	--	--

219				
-----	--	--	--	--

	+50			
--	-----	--	--	--

220				
-----	--	--	--	--

	+50			
--	-----	--	--	--

221				
-----	--	--	--	--

	+33			
--	-----	--	--	--

	+66			
--	-----	--	--	--

222				
-----	--	--	--	--

Lt.

L

Rt.

58 50 120 126 126 114 114 110
50 37 27 25 23 20 11

116 123 115 70 77
15 23 27 34 50

65 60 125 125 117 118 114 120 131 131 75 90
50 35 25 22 19 11 15 21 24 32 50

61 50 124 130 130 126 125 120 126 136 131 74 87
50 36 25 23 21 19 11 14 19 25 33 50

52 44 133 142 134 132 128 134 146 146 68 86
50 39 25 23 19 11 15 20 23 35 50

56 53 43
75 50 39

122 65 82 97
26 36 50 100

80 72 60 59 49 93 120
100 80 83 46 39 17 28

124 112 61 74 91
29 33 39 52 100

93 92 77 74 60
100 85 55 46 40

129 103 52 59 76
30 36 43 54 100

Cont. page 129

81 90 93 90 75
100 76 57 50 40

46 54 66
45 55 100

Sta.	+	π	-	Elev.
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		931.34		
--	--	--------	--	--

222	+93			
-----	-----	--	--	--

	+66			
--	-----	--	--	--

223				
-----	--	--	--	--

	+14			
--	-----	--	--	--

	+37			
--	-----	--	--	--

	+74			
--	-----	--	--	--

	+84			
--	-----	--	--	--

	+91			
--	-----	--	--	--

Lt

E

Rt

59 77 77 75
100 68 50 41

Page 129

5.2 6.3 7.4
46 56 100

6.7 7.4 5.6 10.2
100 77 51 42

page 129

95 7.6 8.5 9.0
43 46 60 100

8.2 7.8 7.0 4.2
100 83 73 51

Page 129

12.2 7.8 8.2 9.9
56 57 60 100

7.8 7.2 5.8 3.6
100 82 67 51

page 130

12.5 6.8 8.6
58 59 100

6.5 6.4 4.6 3.2 10.0
100 82 63 51 45

page 130

12.8 7.8 8.2 9.9
56 57 60 100

4.5 3.8 2.4 1.6 4.9
100 84 64 55 53

page 130

page 130

3.8 2.2 1.2 5.0 8.1
100 71 57 56 50

5.5 4.0 2.7 3.9 11.5
100 84 66 57 44

page 130

Sta	+	π	-	Elev	
		931.34			
224 +16					
B.M.	0.25	920.09	11.50	919.84	919.83
221					
+33					
+66					
222					
+33					
+66					
223					

Lt

E

Rt

10.0 9.5 8.4 8.6 12.4

100 83 77 55 44

page 120

Spk in T.P. 27 Lt 54 22 Lt 29

N. side of Pole

1.0 3.2 3.0 3.2 2.7 3.2 4.8 4.8
3.0 2.1 1.9 1.1 1.5 1.9 2.24.2 4.4 4.1
2.2 1.6 1.03.7 4.2 5.5 5.5
1.5 1.9 2.35.2 6.3 5.6 5.4 4.8 5.5 6.6 6.6 5.9
2.4 1.9 1.5 1.1 1.5 1.9 2.2 2.56.0 7.3 7.5 7.0 6.8 6.2 6.6 8.1 8.1 7.3 1.7
2.5 2.1 1.6 1.3 1.0 1.5 2.0 2.3 2.6 3.39.4 9.2 8.5 8.3 7.8 8.1 10.0 10.0 7.7
2.3 1.5 1.3 1.0 1.6 2.1 2.3 2.810.9 11.2 10.1 10.0
2.2 1.5 1.3 1.09.4 9.8 10.8 10.3 2.7
1.4 2.0 3.0 4.010.1 12.9 12.9 11.8 11.3 11.8 12.6 12.0 10.8
2.6 1.9 1.5 1.3 1.5 2.1 2.9 3.6

Sta + π - Elev.

920.09

223 +14

+37

224 +57

+66

T.P. 1.65 908.25 13.49 906.60

223 +74

+84

+91

224 +10

Lt

L

Et

11.7 13.7 13.7 12.6
25 19 15 12

12.0 12.4 12.8 12.4 9.1
13 18 31 44

8.2 13.6 14.5 13.8 13.8 13.3 13.2 13.6 14.7 14.7 14.0 13.7
31 19 14 12 8 5 15 20 27 31 50

page 131 9.5 4.4 5.4
38 46 35

page 131 10.7 8.2 5.9 6.5
38 50 57 75

3.0 4.2 4.0 3.4 3.3 3.5 5.7 4.1 3.6
20 14 10 7 16 29 43 50

3.4 4.6 4.5 3.8 3.7 3.8 5.0 4.3 4.0
19 14 10 7 14 31 40 50

4.1 5.0 4.9
19 16 9

4.4 4.2 4.2 3.6
6 11 50

3.3

4.5 7.0 6.7 6.5 5.9 5.8 6.0 6.2 7.5 7.4 4.7 3.8
22 15 13 10 6 11 18 23 33 41 50

Sta.	+	π	-	Elev.
		900.25		

224 +57

+66

225

+26

I.P.	1.67	898.65	11.27	896.98
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+40

+50

+70

+90

B.M.			7.23	891.42
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891.41

Lt

E

Lt

85 9.8 9.8 9.2 9.2
24 20 14 11 7

87 86 9.0 10.4 10.6 9.1 49 40
7 16 20 24 29 36 50

9.3 10.2 9.8 9.3
24 18 8

9.3 9.7 11.1 10.5 8.9 3.9 3.5
7 17 20 25 30 38 50

0.3 0.7 10.2 12.5 12.7 12.0 11.9 11.3 11.3 11.8 13.2 13.0 11.1 4.0 4.0
48 40 25 20 14 12 8 6 15 19 26 31 40 50

0.9 16 14.1 14.4 13.4 12.8 12.8 13.3 15.4 15.2 5.7 5.8
50 43 21 15 12 6 16 21 25 39 50

R sta 225

47.2 37 43 56 6.9 4.8 4.5
50 29 22 18 16 14 9

41.4 2 5.0 6.9 7.0 4.5 0.3 10.2
5 17 21 25 30 38 50

45.7 43 48 5.8 7.8 7.8 5.8 5.5 4.9 5.0 3.5 7.9 7.5 3.4 4.9 0.5 0.0
59 37 22 19 19 15 15 10 7 17 21 24 29 31 38 50

4.7 6.4 7.5 6.9 6.3 4.4 7.3 7.7 9.0 9.0 7.7 6.2 12 0.7
50 26 19 10 7 16 24 24 27 27 31 39 50

6.0 7.7 8.3
50 32 10

7.9 8.0
16

8.6 8.6 6.8 2.3 2.0
14 28 32 39 50

Spk in P.R. R1 sta 25+

Sta	+	π	-	Elev
		99865		

226

+13

+21

+34

T.P.	0.02	995.54	13.13	995.52
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+67

227

+10.7

+40

Lt

E

St.

56 9.2 9.0 88 89 9.4 8.8 8.3
50 16 10 6 20 22 50

8.7 8.2 10.4 9.8 10.1 9.9 9.8 10.3 9.7 8.7 8.4
50 33 25 17 8 4 14 20 35 50

131 128 127 133 100 100 10.8 10.6 11.1 10.6 10.1 8.4
50 39 27 24 17 14 12 14 16 26 50

Sailway

131 16.4 11.7 11.5 12.1 11.7 12.2 11.7 11.7 14.5 16.0 17.5 16.0 16.3
50 23 16 13 12 14 15 19 26 33 34.5 36 50

Sailway

152 12.3 2.0 1.6 2.2 1.7 2.2 1.9 2.0 11.6 12.8 14.5 13.1 12.2 11.4
70 32 16 13 12 14 15 18 33 45 46.5 48 53 70

page 133

47 46 49 47 53 50 5.4 11.4
16 14 12 14 15 21 29

page 133

page 133

9.9 5.5 5.5 5.9 5.6 6.2 5.8 6.0 8.2
22 15 13 12 16 17 21 25

page 133

page 134

158 8.1 7.9 8.4 8.0 8.5 8.1 8.5
28 15 13 12 15 17 20

page 133

139

Sta + T - Elev

88554

227 +70

228

T.P. 0.03 972.51 13.06 972.98

227 0.00

410.7

+40

228 +30

228 +58

+61

44

三

27.

p-134 11.0 106 11.2 106 11.5 11.0 11.5 p-134
16 14 12 16 17 22

p-134 137 135 139 134 140 138 139 p-134
15 14 13 16 17 22

143	116	95	88	70	97	114	100	90	71
100	75	50	38	44	57	58.5	60	65	100

sp/throw

167	157	137	124	113	97
100	92	70	57	45	40

88	117	120	147	139	120	110
45	51	61	625	64	68	100

Spitzhörn,

p-134

100	134	150	p. 134
43	49	59	

p-134. 75 93 30 93 29 35 36 33 37 71 p-134
20 15 13 12 12 17 18 19 25

p-134 78 52 54 51 59 56 60 p-134
17 13 12 16 17 20

p-135 86 5.3 5.7 5.3 6.2 5.9 6.4 p-135
18 13 12 16 18 20

Sta.	+	π	-	Elev
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		372.51		
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229

+35

+70

T.R	0.02	859.81	13.72	858.79
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227 +40

+70

228

+30

+58

Lt.

E

Rt.

p-135

110 89 88 83 80 88 87 119
19 14 13 12 16 17 22

p-135

p-135

100 104 101 106 113 110
14 12 9 16 17

p-135

p-135

122 123 129 137 135
14 8 16 17

p-135

80 47 42 13
100 65 55 45

63 63 58
65 83 100

99 87 70 76 76 54 40
100 670 63 60 55 51 42

12 35 87 89 74 81 95 100
47 57 65 70 74 78 90 100

110 106 91 101 101 60 41
100 80 65 61 57 51 40

45 68 103 103 96 99 107 112
47 60 65 71 73 83 91 100

118 100 114 114 78 61
100 65 61 57 52 40

58 78 90 109 109 107 121 121
43 50 62 65 70 80 91 100

119 112 103 122 122 86 70
100 75 65 60 54 51 39

74 95 98 105 120 125
42 47 57 68 83 100

Sta	+	π	-	Elev
-----	---	-------	---	------

		858.81		
--	--	--------	--	--

228	+61			
-----	-----	--	--	--

I.P.	-0.01	858.78	0.02	858.79
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229				
-----	--	--	--	--

	+95			
--	-----	--	--	--

	+70			
--	-----	--	--	--

230				
-----	--	--	--	--

419 Profile of cut 46

Lt

K

Pt

Ditto + 58

7.9 9.5 10.0 12.2 12.2 10.7 12.0 12.5
42 47 61 65 68 73 83 100

129 127 11.8 135 135 121 104 92
100 83 67 60 57 53 50 39

89 95 136 136 114 121 128
38 58 63 66 70 73 100

135 127 129 13.8 13.8 123 97
100 70 59 56 52 49 33

84 87 94 11.0 134 134 113 122 131
35 44 46 57 60 63 68 70 100

136 133 125 114 134 134 107 84
100 78 56 53 49 45 40 27

7.8 82 93 99 135 135 118 125 132
30 40 43 49 65 60 62 69 100

97 136 136 107 85 76 86 88 03 12 1.2 63 70 100 105 138 138 120 132
52 48 49 41 35 23 15 14 13 17 24 36 42 48 54 57 59 100

120 125 125
58 79 100

128 117 98 63 1.8 2.0 1.5
100 70 55 39 15 14 8

1.3 1.8 2.2 3.5 4.2 5.0 6.7 10.4 10.6
11 15 19 26 30 32 39 46

133 123 116 142 142
100 62 57 53 50

Sta.	+	π	-	Elev.
------	---	-------	---	-------

		85878		
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230 +43				
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T.P.	0.66	858.07	1.37	857.41
------	------	--------	------	--------

+50				
-----	--	--	--	--

+51 Profile of ditch only

+73.62

25° Above
Snow.

110
23

2-9-42

136

Lt

£

£t

142

12.5 14.2 11.9 8.6 27 30 22
61 53 42 39 25 15 13

29 32 30 54 39 100
11 15 17 22 30 40

12.2 12.9
70 100

134 126 123 111 142 142
100 78 63 53 50 46

Top G.R. Pair R1 230+

127 127 106 21 23 24 17 29 27 26 26 7.7 87 134 134
40 38 30 16 14 11 7 13 14 16 27 35 44 43

101 106 124 125
44 60 67 100

125 117 101
100 70 53

FL-Guly

FL-Guly

140 146 82 21 23 25 18 20 27 26 7.4 9.5 141 139
40 40 25 15 14 10 6 13 17 26 38 42 50

140 142 146 146
50 100 130 200

135 135 136
200 150 100

128 126 110 110 121 117 30 32 26 30 36 33 7.2 9.1 10.1 134
75 60 53 40 39 28 15 13 7 14 15 23 30 35 40

114 107 134
75 48 44

Sta	+	π	-	Elev.
		858.07		

231

+40

+80

232

LT

Z

RT

130 129 115 103 36 38 40 38 40 47 46 5.0 101 112 132
75 60 40 26 16 11 10 5 13 14 16 26 34 38

123 119 110 132
75 55 46 41

133 122 121 127 123 47 47 48 46 48 5.4 55 111 113 135 135
75 53 40 36 26 16 12 11 5 11 15 25 31 36 38

126 120 117
75 50 41

FLGulv

FLGulv

125 14.0 114 48 5.0 5.0 4.7 5.1 5.3 5.9 9.8 11.4 13.6 12.8
33 33 27 16 15 11 10 13 16 23 28 29 29

124 11.3 12.0 12.6
38 41 45 75

126 125 120 129
75 58 37 35

124 119 11.1 9.4 5.6 4.9 4.8 4.4 4.8 5.3 5.8 9.7 12.8 12.8 12.2
75 50 29 24 17 16 15 10 14 16 23 32 35 37

124 125 118
75 50 39

Sto	t	π	-	E/EK
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858.07

232 + 50

233

450

+97

T.P.	9.03	867.90	0.00	858.07
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487

B.M.	5.61	962.29	(862.30)
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234 Profile cont. et

426

469

Lt.

Z

Pt.

10.5 11.0 10.7 8.3 3.7 3.7 3.5 4.0 4.4 5.2 8.8 11.8 11.9 10.9 11.6 11.8 11.5
 75 53 34 21 15 10 9 14 17 23 30 35 38 45 63 75

9.0 8.8 9.2 9.1 7.4 2.1 1.7 2.0 2.2 7.4 10.3 10.6 9.7 10.6 10.6
 75 50 44 33 23 15 10 14 22 29 34 38 44 75

8.2 7.4 7.4 7.9 6.9 0.2 10.1 0.4 0.8 4.9 9.1 9.1 7.1 8.4 9.5
 75 53 36 31 25 15 10 14 20 30 32 36 43 75

2.8 7.4 7.4 4.2 7.8 8.2 7.4
 21 29 32 37 48 66 75

16.5 18.0 17.8 16.8 15.8 8.6 8.84
 75 59 46 39 26 16 13
 R.R. Spk. in P.R. Rt. Stg 234+

16.5 18.0 17.8 16.8 15.8 8.3 8.1 7.6 7.7 7.9 8.2 10.4 12.5
 75 59 46 39 26 16 11 7 14 25 50 75

17.1 18.4 17.9 15.9 7.0 6.8 6.4 6.7 7.0 11.0 15.3 15.3 12.5 13.4 14.0
 75 58 42 29 15 11 9 14 19 28 32 35 50 75

19.1 18.5 15.3 4.5 4.1 4.1 4.4 4.7 10.2 12.6 12.6 11.0 10.3 9.0 7.9 6.0
 75 42 32 15 14 10 14 22 27 29 32 44 53 58 75

Sta. + π - E/CK

867.90

235

+35

+6.5

236

+50

237

T.P. 13.71 831.45 0.16 867.74

235 +35

+6.5

Lt

L

Lt

18.7 17.8 14.5 31 30 32 26 28 30 99 99 6.3 38 12 11.0
 75 57 34 17 15 14 10 14 24 27 32 48 63 75

18.6 16.7 12.1 1.6 1.1 1.5 1.0 0.7 1.2 1.8 57 59 07 p-139
 75 55 35 18 15 14 8 13 15 21 24 32

18.0 16.8 13.6 9.4 p-139
 75 59 45 31

18.0 16.6 9.5 6.3 p-140
 75 61 41 29

16.5 13.9 4.7 2.1 p-140
 75 56 36 26

14.8 12.5 4.4 10.3 p-140
 75 63 43 33

11.0 7.8
 50 75

13.2 13.0 13.3 12.5 12.9 13.2 16.8 16.8 11.8 9.2 7.2 4.2
 17 15 14 13 15 22 25 30 43 58 75

Sta + π - Elev

881.45

236

+50

237

+38

+65

238

T.P. 12.80 894.12 0.13 891.32

237

+38

Lt

E

Et

110 114 107 107 108 111 115 143 143 105 84 67 49 1.5
15 14 5 11 13 16 21 24 28 36 48 56 75

85 87 81 80 82 86 103 105 51 23 110 129
16 14 6 12 14 18 26 34 48 63 75

97 68 59 61 58 54 56 58 75 77 51 p-140
21 17 15 14 10 12 14 19 24 34

220 15.8 110 82 59 41 39 36 38 41 56 56 p-140
75 53 39 23 17 15 9 13 16 19 25

112 55 42 39 24 26 26 22 26 29 39 39 1.6 p-141
50 27 23 17 14 13 11 18 15 18 23 31

87 40 21 16 05 08 07 03 05 08 2.9 2.2 0.0 p-141
50 28 23 18 14 13 10 13 15 17 21 29

105 80 62
43 59 75

92 79 65 38
40 41 52 75

Sta + π - E/cv.

89412

237 +65

238

+50

239

+50

240

+50

+85

Lt

E

Et.

79 61 44 08
42 43 55 75

41 22 09 +3.0
45 46 55 75

204 147 115 109 106 109 102 105 107 120 122 118 86 p-142
50 29 18 16 15 13 11 14 16 20 24 32

135 143 113 87 80 83 80 76 79 80 89 91 60 p-142
50 33 22 16 15 13 10 10 13 17 22 32

108 104 78 57 58 52 56 58 66 67 35 p-142
50 27 18 14 13 11 14 18 22 33

145 64 49 31 33 30 37 40 45 45 26 p-142
50 23 17 14 12 12 16 18 22 30

125 68 31 11 10 12 06 11 17 22 24 07 p-142
50 30 17 15 14 13 10 17 20 26 32

106 44 14
50 26 18

p-142

Sta	+	π	-	Elev
		894.12		

241

T.P.	12.55	906.63	0.04	894.08
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238 +50

239

+50

240

+50

+85

241

Lt

E

Et

10.2 7.1 2.7
50 40 22

p-142

109 59
50 75

77 6.1 3.6 2.2
50 51 63 75

4.8 1.6 0.0
51 65 75

3.7 1.5 1.5
52 63 75

4.6 3.0 1.0 1.3 1
47 48 56 75

11.7 11.6
15 13

11.4 12.0 12.4 13.4 13.2 11.5
9 18 20 25 32

3.8 2.3 1.0 1.3 9
46 47 59 75

12.9 10.8 11.0 10.6 11.3 11.6 12.8 12.5 9.7
17 14 13 10 18 22 28 37

1.0 1.3 1.3 9
50 60 75

Sta	+	π	-	Elev
		906.63		

241 +50

242

242

-55

+25

-50

+50

+75

+96.4

243 +25

Lt

L

Pt

21.0 15.8 13.7 10.5 8.1 8.3 8.1 8.6 9.1 10.5 10.5 8.8 9.2 8.3 7.0
 30 31 22 17 14 13 10 18 21 24 28 36 45 50

17.7 10.9 8.1 5.6 5.9 5.9 6.5 7.1 7.9 7.7 5.4 5.1
 50 24 17 14 13 10 18 21 24 29 50

16.2 9.6 7.6 6.4 4.8 5.1 5.2 6.5 7.1 7.1 4.2 3.7
 50 29 21 17 14 13 20 21 23 30 50

14.8 9.5 7.7 6.2 4.1 4.4 4.5 5.6 5.8 6.2 6.2 3.9 2.5 1.5
 50 33 24 18 14 13 18 21 23 26 33 45 50

14.9 11.9 7.8 7.0 4.2 4.4 4.2 4.4 4.9 5.4 1.6 1.0
 50 39 22 19 14 13 10 21 27 38 50

Curb

Curb

14.8 12.1 8.5 7.7 6.8 4.6 4.7 4.3 4.8 4.8 4.3 7.2 2.7 2.0 8
 50 39 24 19 17 14 13 10 24 24 31 48

Pax

16.0 11.8 8.5 6.5 5.3 5.5 5.0 4.9 4.6 0
 50 38 22 16 14 13 10 26

Sta	+	π	-	Elev	
		906.63			
243	+50				
	+80				
B.M.	0.87	899.23	8.24	898.39	898.36
	+97.5				
244	+25				
	+50				
	+75		5.56		
245			7.03		
	+25		8.40		
	+50		9.80		
	+45.92		12.08		
B.M.			12.08	887.15	887.17

Lt

E

Rt

162 111 80 60 64 60 593
 50 34 22 14 13 139

Par

180 108 77 73 78 7.5 7.61
 50 30 19 15 14 4.7

Par

Top Beg Curb 15' Lt sta 243+97.5

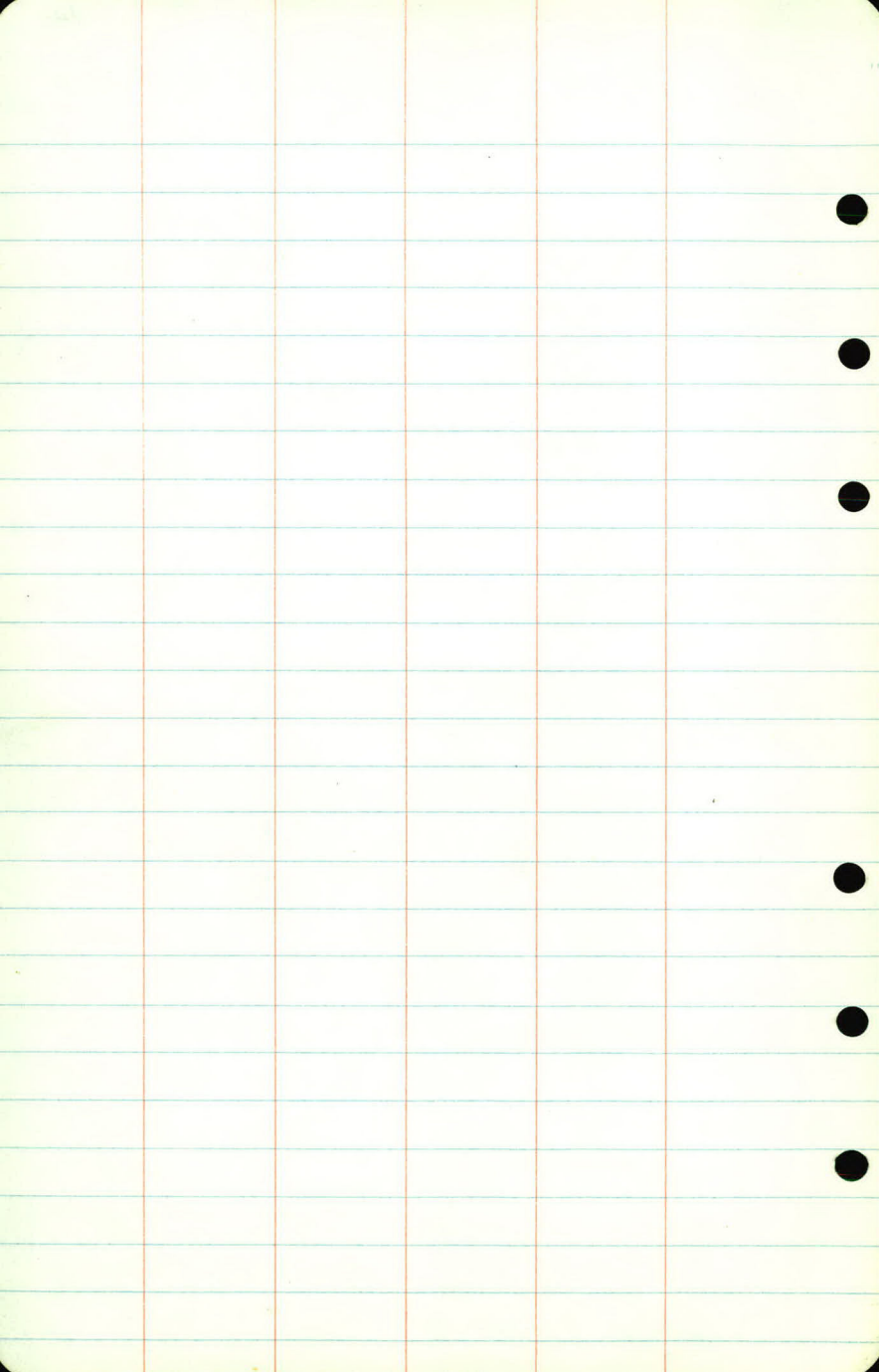
117 74 67 0.9 0.87 140 1.1 114
 50 40 36 27 15 15 15

Par

14.2 34 23 19 4.51 3.02 2.80 2.80
 50 36 33 26 15 15 1.2

39 33 3.85 4.40 4.30 4.22
 37 26 15 15 4

Drill Hole in Pav. E 245+95.92



Bench Levels.

Sta	+	X	-	Elev	
B.M.	0.64	945.99			(945.35)
T.P.	0.81	933.35	13.45	922.54	
T.P.	0.07	921.01	12.41	920.94	
T.P.	0.60	909.05	12.56	908.45	
T.P.	11.27	917.92	2.40	916.65	
B.M.	0		7.97	909.95	
T.P.	10.89	927.97	0.84	917.08	
T.P.	13.21	940.31	0.87	927.10	
B.M.			7.73	932.58	
T.P.	7.62	946.26	1.67	938.64	
B.M.			4.44	941.82	
B.M.	0.10	949.52	1.84	944.42	
T.P.	9.38	949.12	4.83	939.74	
B.M.	0.04	945.85	3.31	945.81	
T.P.	1.21	939.42	7.64	938.21	
B.M.			4.53	934.89	933.69
T.P.	1.32	927.08	13.71	925.71	
B.M.			5.59	921.44	(921.34)
B.M.			6.89	920.14	
B.M.	1.64	922.93		921.34	
B.M.	4.85	924.79	3.04	919.94	
B.M.	2.01	926.38	0.42	924.37	
B.M.	1.36	924.53	3.21	923.17	
B.M.			5.47	919.06	
B.M.			2.70	921.83	

Lower 0.1

Description

Top Mont. Hamling Ave + Larpenleur Ave

$$\begin{array}{r}
 T.P. = 920.94 \\
 \underline{2.52} \\
 923.46 \\
 \underline{7.57} \\
 915.89
 \end{array}$$

Top Mont. & sta 145+043

Top Hyd S.E. Cor. Dunlap + Larpenleur Ave.

(952.21)

Top Sec. Cor Pipe Lexington + Larpenleur Ave.

Top Hyd S.E. Cor. Lexington + Larpenleur Ave.

(944.05)

Top Hyd Rt. 169+

(945.92)

Drill Hole in Pav. & Victoria + Larpenleur Ave.

Top Hyd Rt sta 183+

Top Mont. & sta 184+

(919.67)

Top Hyd Rt sta 192+

Top Hyd Rt sta 197+

" " " "

Top Mont. Int. Dale + Larpenleur Ave.

Top Hyd S.W. Cor. Dale St + Larpenleur Ave.

Sta	+	π	-	Elev.	
B.M.	2.96	924.79			(921.83)
T.P.	6.06	925.85	5.00	919.79	
B.M.	-0.01	919.82	6.02	919.83	
T.P.	0.16	906.60	13.58	906.24	
T.P.	0.22	898.42	13.20	893.20	
B.M.			2.01	891.41	
T.P.	0.65	880.60	13.47	879.95	
T.P.	0.79	868.32	13.07	867.53	
T.P.	8.61	863.14	13.79	854.53	
B.M.	13.79	876.09	0.84	862.30	
T.P.	12.52	888.54	0.07	876.02	
T.P.	13.15	901.43	0.26	898.28	
T.P.	5.37	906.03	0.77	900.66	
B.M.	1.62	899.98	7.67	898.36	
B.M.	0.43	897.60	12.92	887.17	
T.P.	0.13	875.96	11.77	875.83	
T.P.	0.16	862.76	13.36	862.60	
T.P.	2.09	854.91	9.94	852.82	
T.P.	12.84	863.87	3.88	862.03	
T.P.	10.03	873.70	0.20	863.67	
B.M.			0.56	874.74	
				873.14	
				37	
				872.77	

Description

Top Hyd. S.W. Cor Dale St. & Carpenter Ave.

Spk. in TP 27' Lt. sta. 221+29

Spk. in P.P. 19' Rt. sta. 225+83

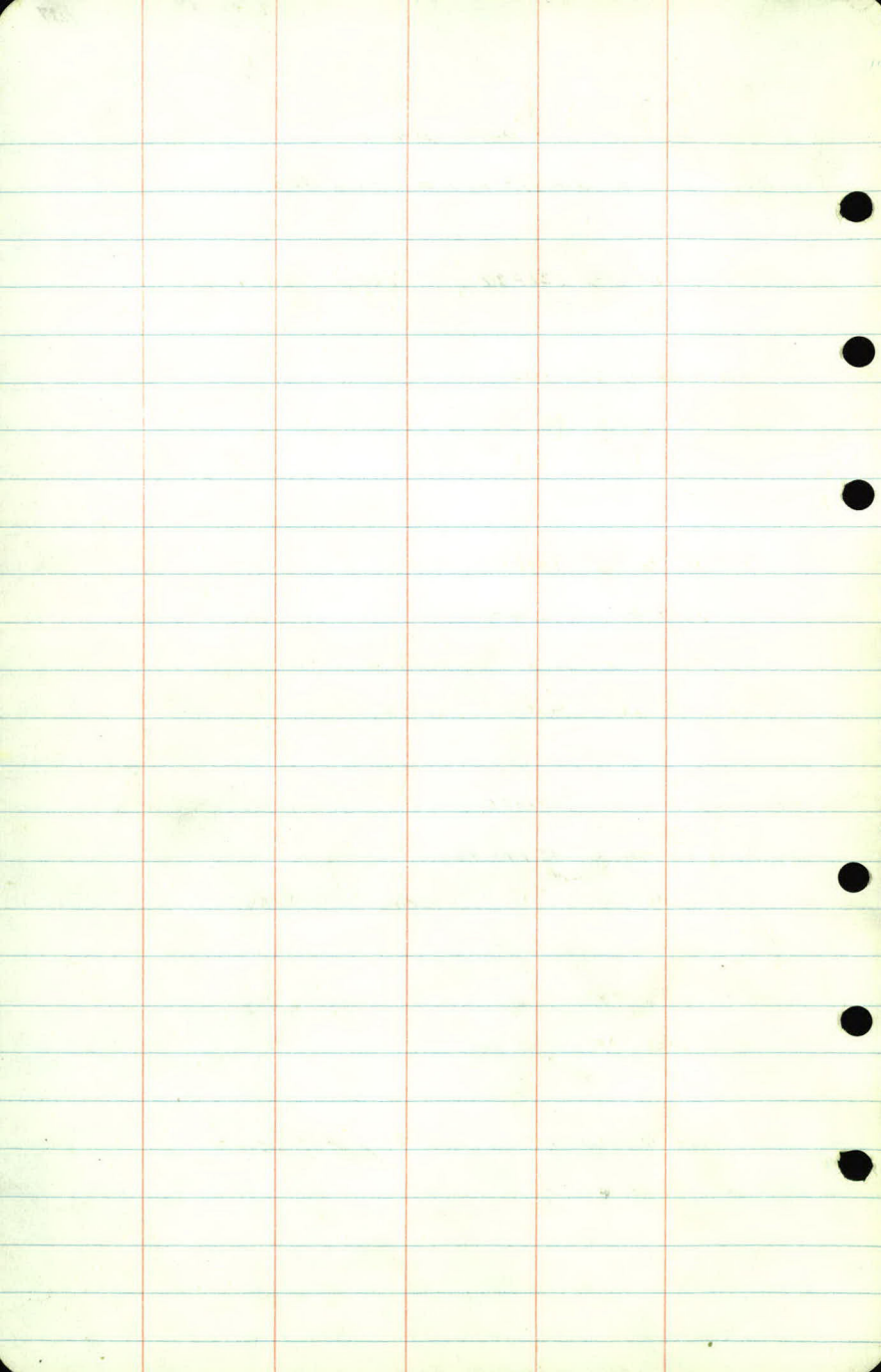
R.R. spike in P.P. 17' Rt. sta. 234+17

Top Beg. Curb 15' Lt. sta. 243+97.5

Drill Hole in Pav. & 245+95.92

Top Hyd.

U.S.G.S. Mont. NE Cor Wheelock Hwy. & Rice St.



TOPOGRAPHY

LARPEL TEUR AVE

North side

STA 14+00 TO STA 20+00

ORIGINAL ALIGN.

PROJ 26-54

7-7-42

HAW

AM

L.C

20

G.R. Rd.
15 13

+68 N End 36" x Drain 41' +50
+35 1/2 Ent.

15 13'

19 Ditch 46-49

15 13

+50 Ditch 56-58

15' 13'

19 Ditch 59-63

15.5 14'

+50 Ditch 60-64 End Berm 71'

15.5- 14'

+25 End Sand Wash in Garden 71'-120'

17 Ditch 60-62 No Edge Berm 71'
+00 No Edge Sand in Garden 75'-75'

15 14

+80 Beg Sand in Garden 75'-85'

+50

14 13'

+57 Beg Ditch 58-62 No Edge Berm 70'

16 +00 Check Dam 42'-44.5'

14' 13'

+95 Beg Spillway 43.6'

+94 Beg Spillway 40.6'

+46 End Spillway 26.5'-29.2'

+41 Beg Spillway 23.6'

+40 Beg Spillway 26.6'

+40 Basin 26.6'

Note Conc Spillway
Bet 44.6 & 49.4 G-108

15'

13'

14

- +72 Rye tie Ditch
- +68 Ditch 46'
- +57 End 30" CM 44'
- +54 Beg G.R. 15'
- +29 Beg 30" CM 46'
- +17 End G.R. 15'

+75 S. End 36"
CM 41

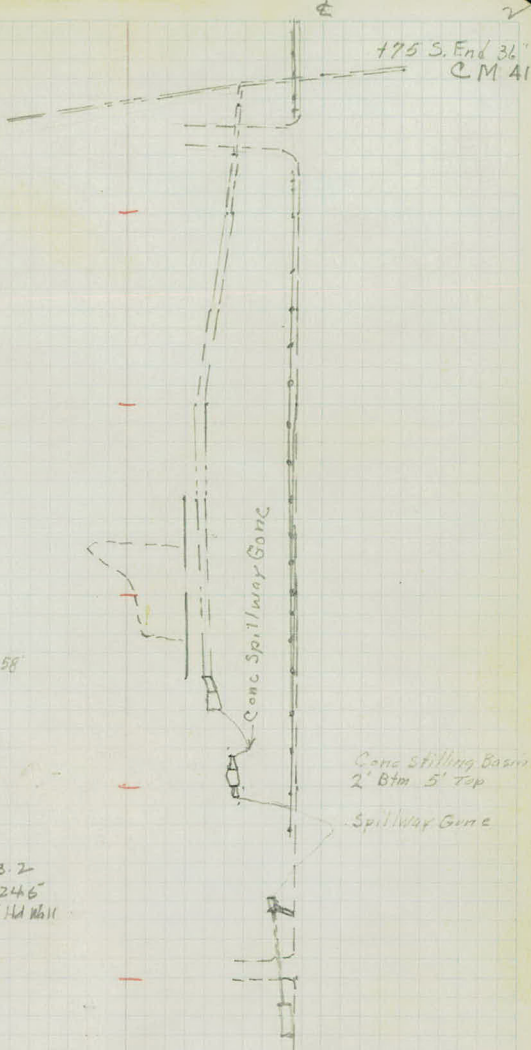
- +57 End Wood Spillway 58-62
- +48 Beg Wood Stilling Basin 55-58
- +48 End Conc Spillway 58-58
- +40 Beg Spillway 58-59.5
- +16 End Spillway 45-47

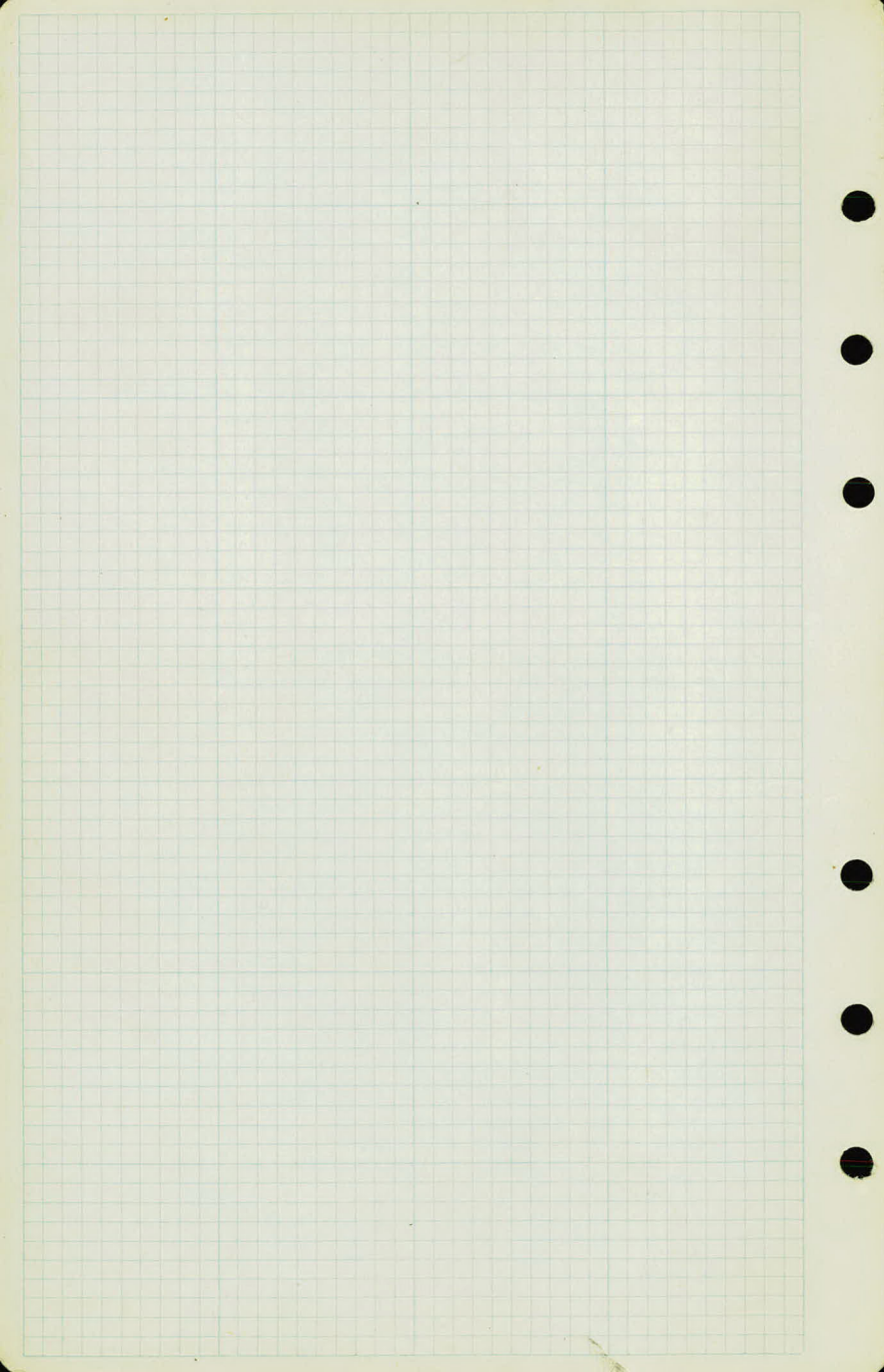
+10 End Basin + Beg Spillway 43-48

- +51 G.R. 14'
- +41 End Basin 23.6'
- +40 G. Pail 15'
- +40 End Spillway 22.5'
- +25 Beg 1' Conc Spillway 13.2
- +37 Beg Stilling Basin 22.4-24.6
- +36 End 15" C.M. 23.5-1'-4" H. Wall
- +31 Beg G.R. 26'

+05 Ent

- +86 End Plank Culv 17'-21'
- +86 Beg 15" CM 19'
- +70 Beg Plank Culv 16'-20'





Levels
Lamp Aveset Dalest.

Sta	+	π	-	Elev.
-----	---	-------	---	-------

		105.94		
--	--	--------	--	--

197				
-----	--	--	--	--

198				
-----	--	--	--	--

199				
-----	--	--	--	--

200				
-----	--	--	--	--

201				
-----	--	--	--	--

202				
-----	--	--	--	--

203				
-----	--	--	--	--

204				
-----	--	--	--	--

Lt.

\$

Rt.

308

281

306

340

374

40

432

463

Sta	+	X	-	Elev
		105.94		

205

206

T.P	405	104.35	564	100.30
-----	-----	--------	-----	--------

207

208

209

+17

209+43

+17

210 +28

B.M.		4.35	100.00
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Lt

E

Rt

490

521

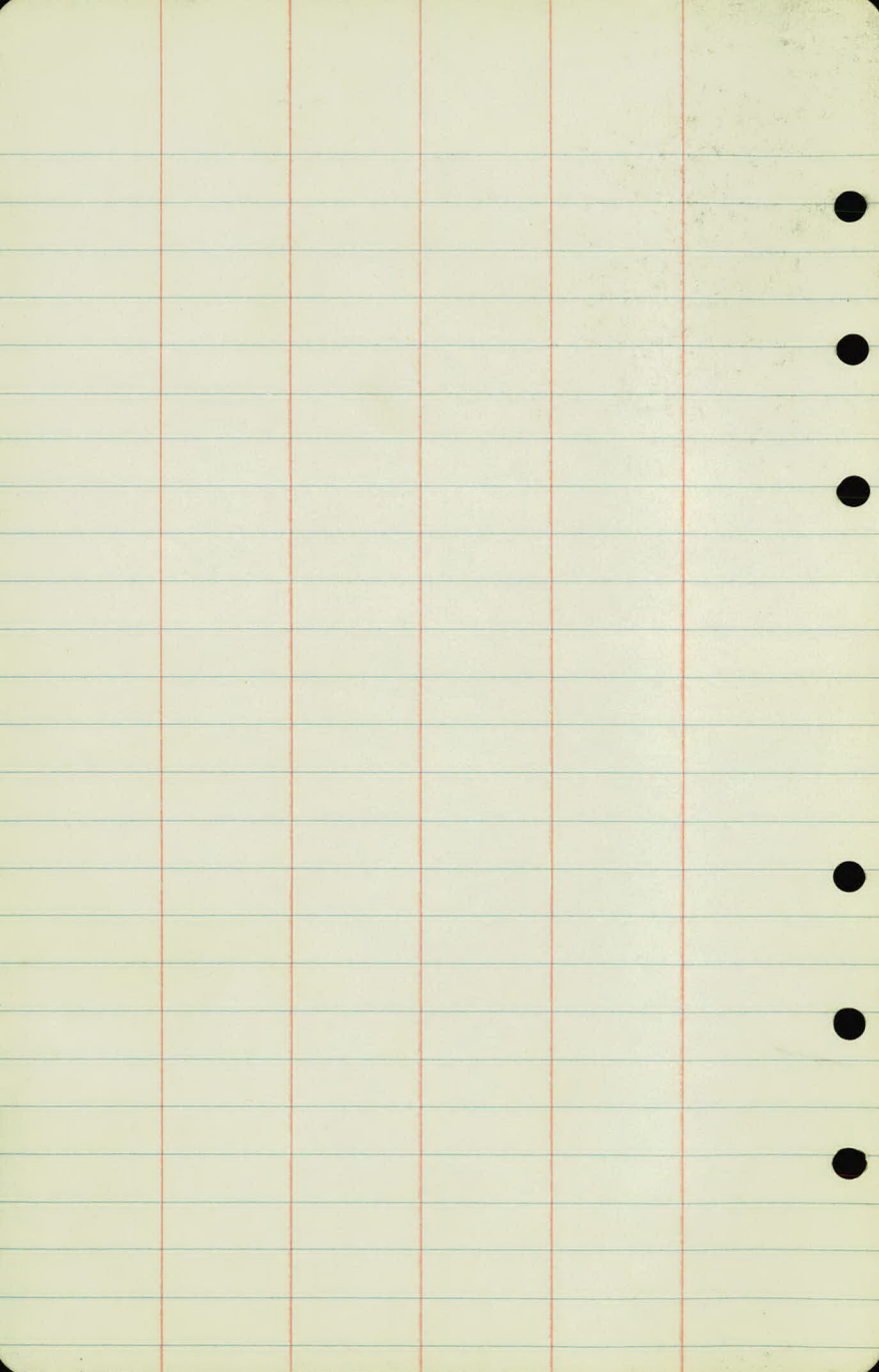
39

4176.73
Ditch965
1045680 N. End 15' E. 17.

82.8

N End 15' E. 17. 684
17'W End Vit. 6.28
14Nankole 7.22
24'

Top Mant Dole + f.o.p.



TOPOGRAPHY

203

202

201

200

199

198

11- - - - -
11- - - - -
11- - - - -
+85 Ent 15' X 20' C.M. 32'

+22 T.P. 28'

+109 Ent.
+94 T.P. 28'

+68 Ent. 15' X 20' C.M. 33'

+78 Ent.

+66 Ent.

175.75 = 6 Dolo St

210

209

208

207

206

205

204

+46 Bl Top Line 13'
 +28 Bl End 34'
 +28 R.P. 28'
 +26 Bl Top 64'
 +17 W End 15' V.H. C.M. 24'
 +23 T.P. 17'
 +10 E End clunk
 C.M. 19'

+96 Bgd druck C.M. 19'
 +43 Al End 15' C.M. 17'
 +26 W. Edgc Ent.
 +29 B.C. New R.P.C

+84 T.P. 28'

+51 T.P. 28'

+90 Ent.

+09 T.P. 28'

+77 T.P. 28'

+595 End 15' C.M. 425

+175 End 15' C.M. 425

clunk



Staking Notes

Date * Larp.

Sta	+	π	-	Grade
B.M.	4.40	104.40		100.00
1+03 209+25				97.13
0+80 +48				97.35
0+60 +68				97.25
0+40 +88				97.15
0+20 210 +08				97.05
0+00 +28				96.95

97.08 = Elev Flow Line of Manhole.

Gr. Rod.

Lt.

$\frac{1}{2}$

Rt

Top Mont Date & App

6.67

7.05

7.15

7.25

7.35

7.45

