

DUANE AVE N.W. San Sewer
FROM EAST END of ST. To 23rd

D. H.

	North	South	M.H. Depth	
	OUT OF M.H. LOT NO.		8' IN 8' OUT	X
0+0			16°	
0-13		Lat S.	23'	
0+27 ³		" "	17 ⁵	
0+29 ³	Lat N.		14 ³	
+73 ¹	Lat N.		16 ²	
+90 ²		Lat S.	17°	Conn.
1+20	Lat N.		17°	"
+61 ²	" "		17°	"
+79 ⁵		Lat So.	17°	
2+07	Lat N.		14 ⁴	
+08 ⁴		Lat So.	15 ⁵	
+61 ⁵		Lat So.	15°	
+78 ⁶	Lat N.		16 ⁵	
3+02	" "		15 ⁴	
3+08 ⁵		" "	15 ⁶	
+29	M.H. #1		13.5	
+46 ⁸		Lat So.	16°	
+53 ⁵	Lat No.	"	14°	
+94 ³		" "	12°	
+96 ⁸	" "		14 ⁵	
4+39 ⁶		" "	16 ⁵	
+43 ⁶	" "		16°	
+85		" "	16°	
+89	" "		15 ⁵	

Page 2

Doc

806

M.H. 1

DUANE AVE N.W.
Contd.

	Depth	X
5+66.8		
6+64		
Let N.		
Inlet N. 45.	15.2	15.5
Outlet E.	15.2	15.5

MH #3 of 23rd

23rd ST. N.W. San Sewer
From Duane Northerly 673°

	West	East	X	Depth
0+0				15°
0+02	"	✓		15°
+35	"	✓		15°
+81	"	✓		16°
+84 ⁶		"		18°
1+28 ²	"	✓		15°
+30 ²		"		16°
+82	M.H.	✓		13°
+94		"		15°
2+01	"	✓		14°
+47		"		14°
+63	"	✓		16°
3+0		"		14°
+14	"	✓		16°
+614		"		14°
+68	"	✓		17°
4+09 ⁵		"		14°
+16	"	✓		16°
+24 ⁵	M.H.	✓		11°
+61		"		14°
+79 ⁷	"	✓		16°
5+08		"		16°
+32 ⁵				
+39				

Page 4

Harry Lahr Died 9-12-49
Sat. Sept. 10th - 1949

Doe
Bob
Myron

M.H. at Duane E. From 23rd
out of M.H. 0+0

Nowye Pole

N. end culvert

E. " "

23rd ST. N.W. San. Sewer
From Duane Ave Northerly.
Contd.

	West	East	X	Depth
5+51	" ✓		15 ⁵	
+65 ⁵		"	14 ⁵	
6+09 ⁵	" ✓		17 ⁰	
+21		"	15 ⁰	
+70	" ✓		16 ⁰	
+73 ²	MH ✓	stop 100	9 ⁵	Conn.
+79		"	15 ⁵	

Fair

9-12-49

Doc.
BOD.
Myron

4

No wye Pole

Lat. out of rxH.

23RD N.W. San. Sewer
South From Duane 933 Ft.

9-17-49

#-Bob.
M.F. 5

	East	West	L	Depth	
0+0					
0+49		Lat. W.	16°		
0+75 ⁵	Lat E		16°		
0+99	M.H.			in 9.9 out 13.0	conn.
1+06	Lat E.		16°		
1+35 ⁵		"	16°		
1+40	"		16°		
1+83		"	16°		
1+89	"		16°		
2+43		"	16°		
+61 ⁵	"		16°		conn
+81 ⁵	"		16°		conn
+95		"	16°		
3+54 ⁵				9.30	
3+78		"	14°		
3+99	"		15°		
4+23 ⁵		"	15°		
4+41 ⁶	"		16°		
4+78		"	15°		
4+83	"		17°		
5+22 ³		"	16°		
5+46	"		15°		
5+74		"	17°		

See Page 6

M.H. at Duane E. off 23rd

D.E. 7² Deep
Stub-W. Lat. E. in 10.65 out 10.85 Lat. 10°
9.20 in 9.30
Clearmont stub E. out 9.30
Duane W. stub W. in 9.9 out 13.0
Lat E.

M.H. at Clearmont

23RD ST. contd.

	East	West	X	Depth
5+95	Lat. E		16°	
6+28 ⁵				in. 10.65 out 10.85 stub w
6+33 ²	"		17°	
6+48		"	14°	
6+96		"	18°	
7+39 ⁴	"		17°	
7+51		"	17°	
7+96 ²	"		16°	
8+08 ⁶		"	16°	
8+50		"	16°	
8+57 ²	"		15°	
9+02 ⁴		"	16°	
9+03 ⁷	"		12°	
9+33 ⁸				7°
10+49 ³				

For 23rd St. Trunk See Pg. 9

6

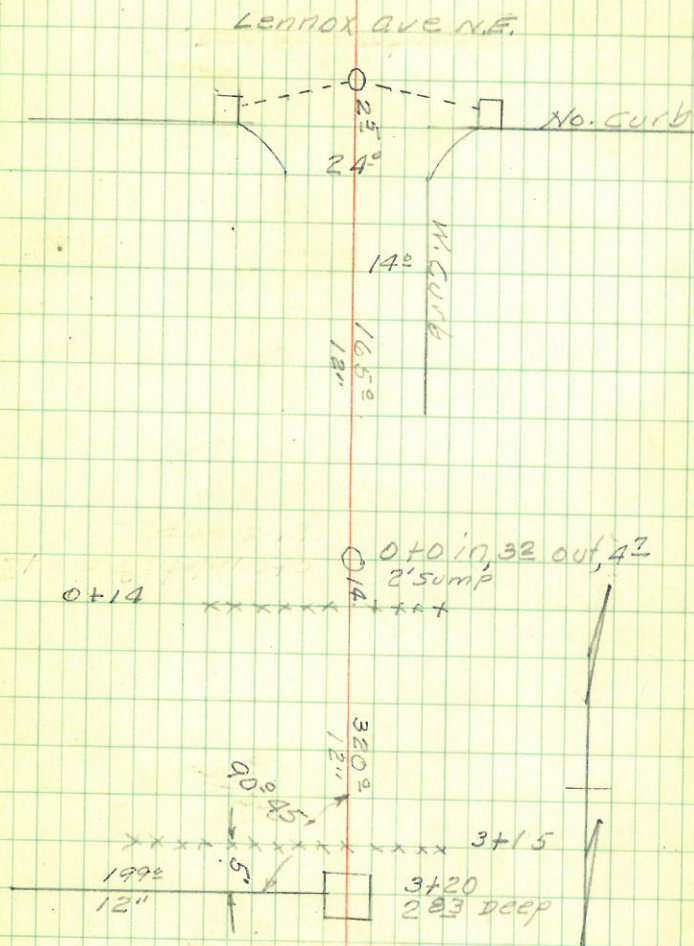
M.H. at Chauncy
out of M.H.

M.H. at Dead end.
To Ex. M.H. at Allen Ave

COVENTRY RD. N.E. + BURD
RD. N.E. storm sewer via O.L. 364

9-14-49

7



OHIO AVE. N.W. From North
End TRUNK Easterly 149 ft.

OTO	MM N. end Trunk	X	OUT 72 IN 66
-----	--------------------	---	-----------------

0156	Lat 5.	12	8 th Deep	Conn.
------	--------	----	----------------------	-------

0 + 53	" 14	12.	8 ²	"
--------	------	-----	----------------	---

0 + 93	" IV.	12	7° Deep Conn.
--------	-------	----	---------------

[illegible]

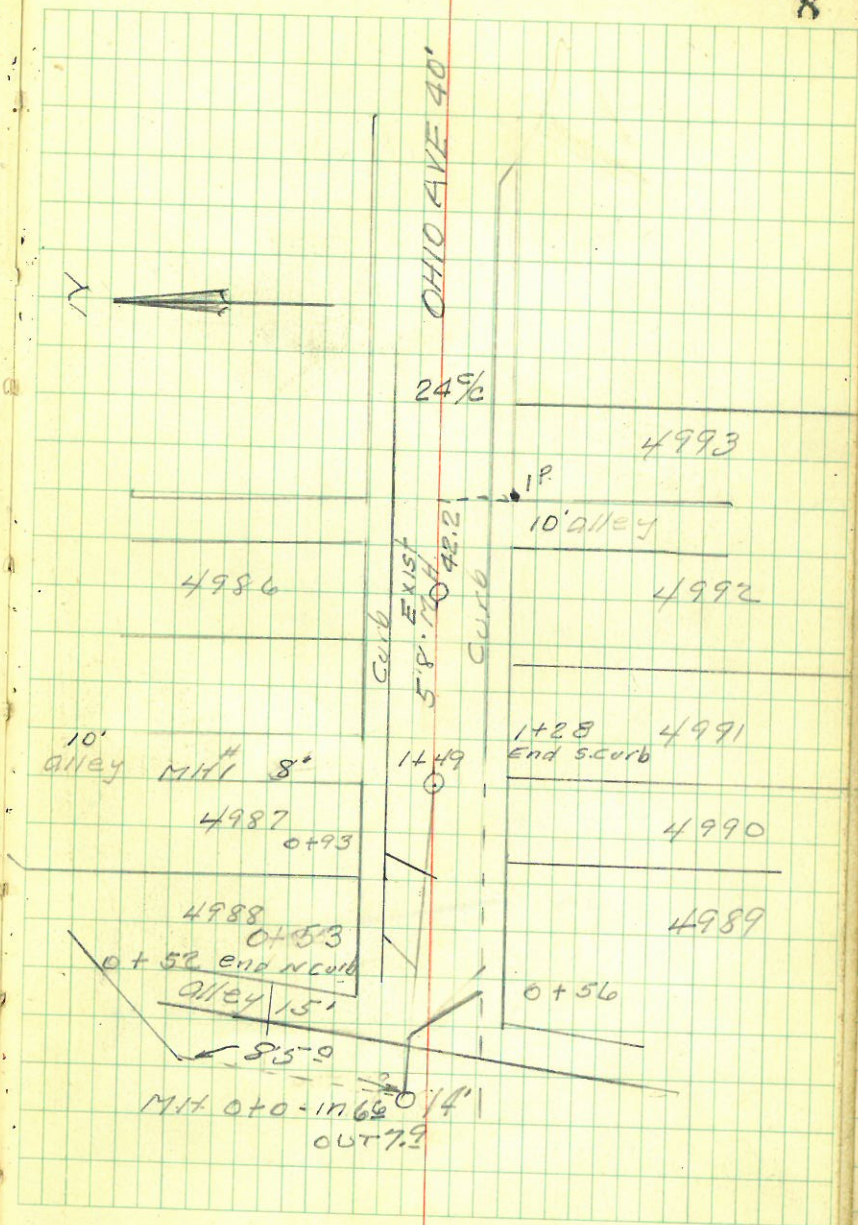
2407 EX. MH.

2+49 To I.P. south side Ohio S.E. corner alley.

Tapped in North End Trunk 85°
North of Manhole at end of Ohio
ave for Schraders Shop on Rear
of Lot # 4988

9-14-49

~~Bob~~
Bob
M.F. 8



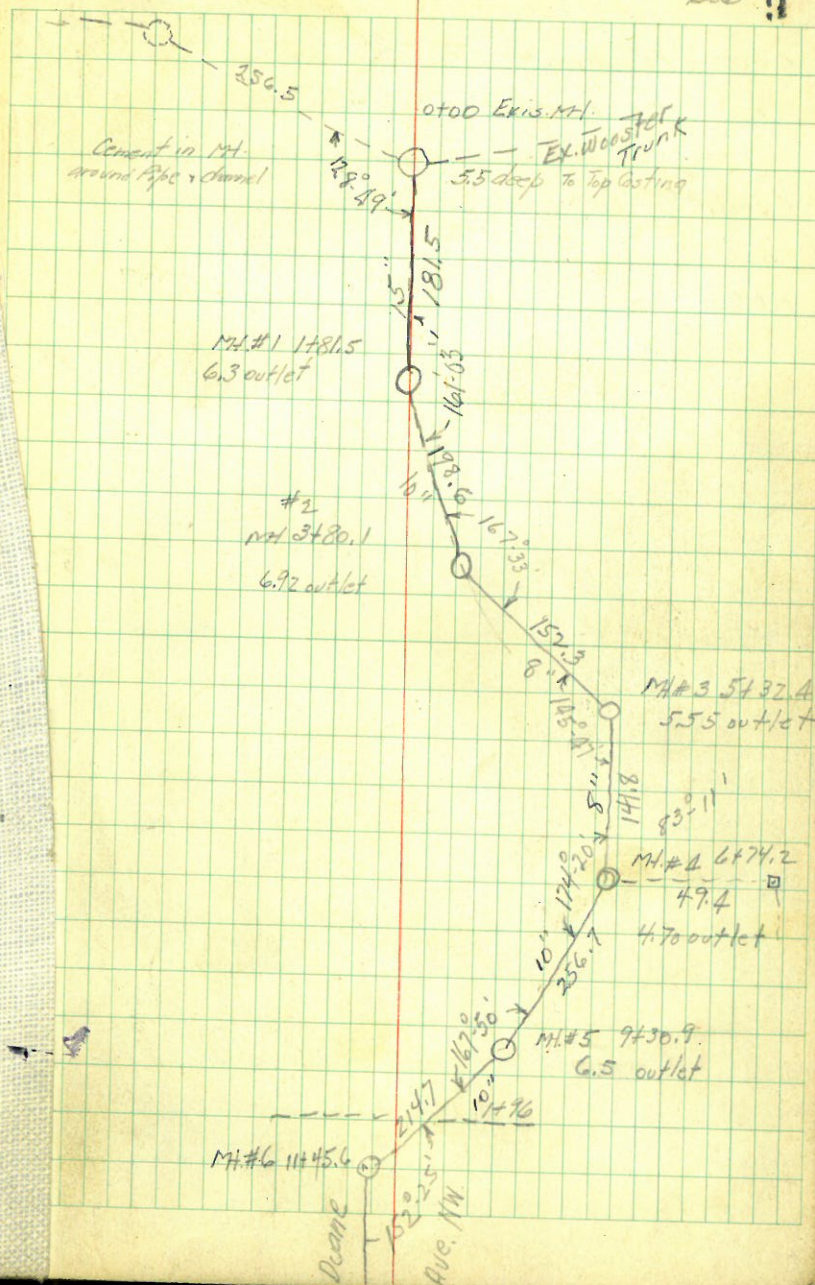
23RD ST. N.W. Trunk Sewer Finals

Wooster Trunk To Duane Ave. N.W.

181.5
 198.6
 380.1
 152.3
 532.4
 141.8
 674.2
 256.7
 930.9
 214.7
 1145.6

9-22-49

Piper
 Ficker
 Bob !!



2ND ST. S.W.
SIDEWALK & CURB

STRAIGHT CURB	CIRCLE CURB	4' WIDE 4" THICK WALK	4' WIDE 6" THICK WALK
563.5'	123.3	566.95'	45'

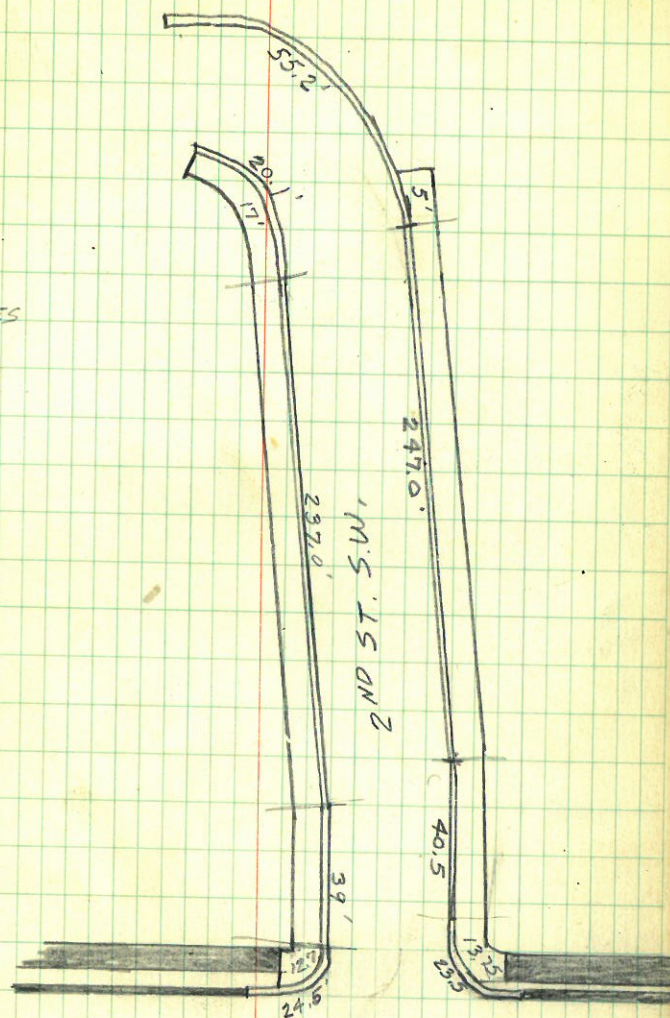
9-29-49

FRICKER
BoB

11

6" DRIVES

17'-0
14'-0
14'-0



SOUTH AVE. S.W.

WARREN + OVERLOOK AVE.
S.W. 5th. Sewer via 15' alley W.

11-4-49

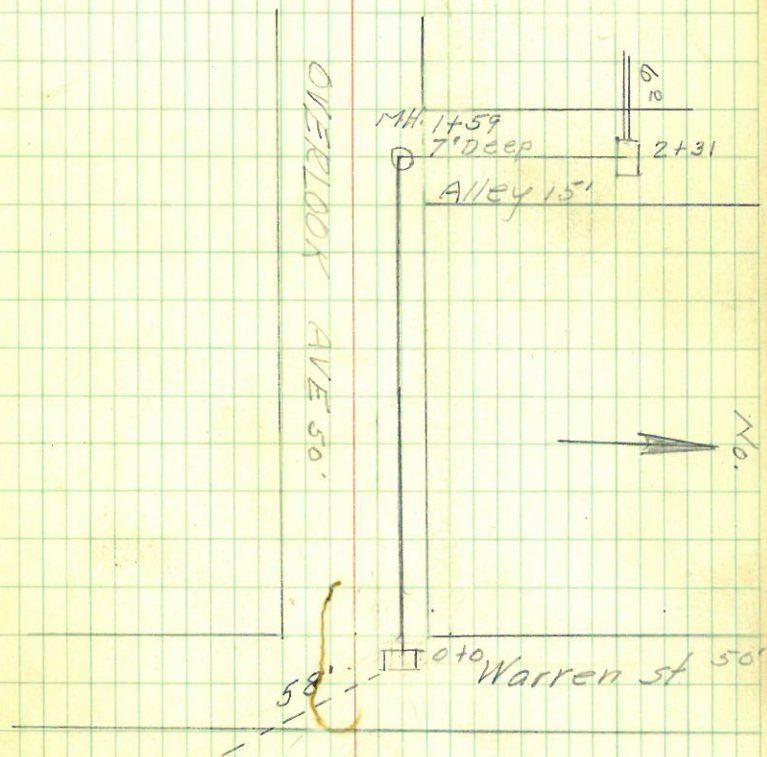
M.F.
B.W.
Dec. 12

	Top	Depth	Sump	
0+0	Casting	17 3.3	4 5	
1+59	"	6.5	7 ^e	3 steps
2+31	"	2 ^e	3 ^e	

A. J. Diana - Contractor

237	lin ft. 12" U.S.P. @ 1.25	296.75
7	x ft. Manhole @ 14.00	98.00
2	No. Catch Basins @ 40.00	80.00
	Total	\$474.75

C.B. on Warren
M.H. at O'look + alley
C.B. in alley 6' Pipe W.



14TH ST. N.W. Stm. Sewer
between Main & L.W.N.W.

B.M. 5.70 148.44 142.74

0+0 11.32
0+78⁵ 12.22

11-20-29

PIPER

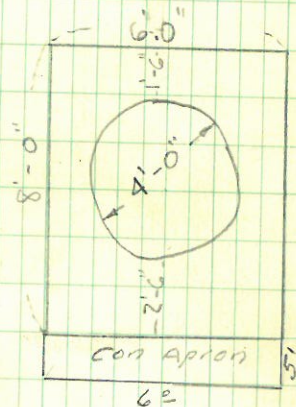
13

Top San. MH at Culvert

inlet Top Hd wall Elev 5³⁵ Lower 5³⁵
outlet Top Hd wall Elev 5⁴ Lower 5⁶

1182
4
1222

inlet { 1' x 5⁶ x 5³⁵
out { 1' x 6⁰ x 5⁴
Apron 5' x 6⁰



78⁵
48' cond. pipe

ANDREW AVE. N.E.

0+32 Curb starts

1+70 Walk starts

2+65.6 R. starts 29' R.

2+86 End of Walk
2 Driveways

0+32

2+47.5 End. St. Curb

22.5 Road

7.5 St.

{ 1+22 Walk starts

{ 1+37

{ 1+42

{ 2+60.5

9.7 x 3.5

2.5 x 1.25

11-22-49

PIPER
FRICKER

14

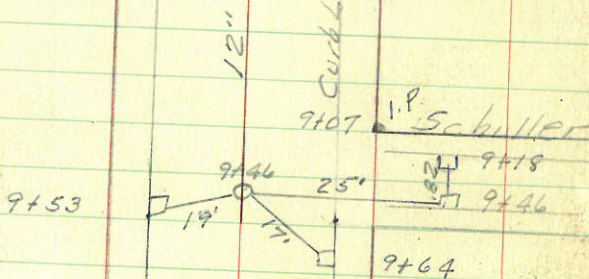
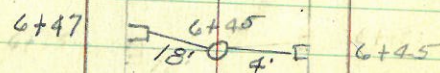
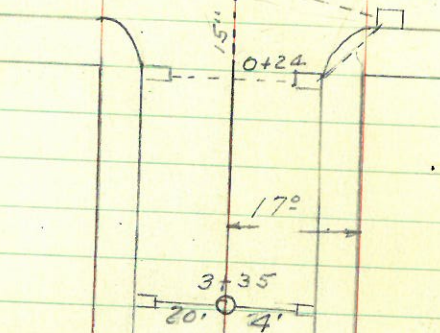
27TH ST. N.W. STM. SEWER

11-28-49

Doc
M.F.
Bob

15

Lincoln way N.W.



Plotted

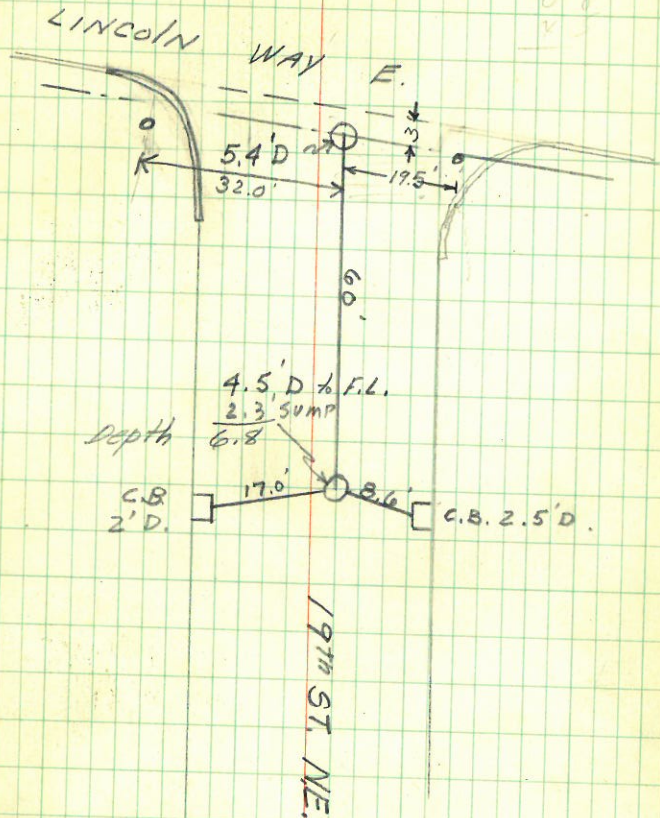
19th ST. N.E. STORM SEWER
AT. LINCOLN W.E.
Final Measurement

86	Lin. ft.	- 12" U.S.P. @ 1.25	= 107.50
12	V. Feet	- Manhole @ 15.00	= 180.00
2	No. C. Basins	@ 40.00	= 80.00
			<u>\$ 367.50</u>

12-29-49

FRICKER
BOB

146



OBERLIN RD. & 9TH ST. S.W.
8TH ST. TO 9TH TO WEBB AVE. S.W.

4-3-50

MYRON
BOB

17

EAST WEST X DEPTH

0+00
12.6 INLET
12.75 OUTLET

0+33.3

1+26

2+47

2+61

2+78.8 2+79 #1

12.0 INLET

12.15 OUTLET

5+57.3 5+57.8 #2

11.35 INLET

11.35 OUTLET

6+14

8+36.5 8+38.4 #3

9.20 INLET

9.45 OUTLET

6" STUB WEST
LAT. OUT MH

9.10

9.45

10+33.5 - LAT. W. 16.5' ✓

10+82.5 - LAT W 15' ✓

10+83.2 7.9 INLET

7.9 OUTLET

11+90 - LAT. W 16' ✓

13+28 13+35 8.4 INLET

8.4 OUTLET

7.9

MH - 8TH & OBERLIN RD. S.W.

← PLUGGED - NEEDS CLEANING OUT
12" STM. SEWER ACROSS OBERLIN RD. - HD. WALL
GOOD CONDITION - CAN SEE THRU 12" V
BRICK HD WALL & END STM SEWER - 3' WIDE - 2' HIGH

STONE " " & BEGINNING " "

WATER VALVE BOX & HYD.

MH

MH

VALVE BOX & HYD

MH - COR. 9TH & OBERLIN RD. S.W. - 12" STUB - SOUTH

12" STUB SOUTH

(NOT CONNECTED)

(NOT CONNECTED)

MH

(NOT CONNECTED)

MH -

6" STUB WEST

1375
24
1353

CONT

	EAST	WEST	X	DEPTH
15+60.2				
15+72.5	15+78			9.95 INLET
				9.95 OUTLET
	- LAT. ^{W.} OUT MH			9.35
				9.25
16+15	- LAT. W			
16+57.5	LAT. E	15.5		
17+72	- LAT. W	16		
18+17.3				8.25 INLET
				8.25 OUTLET
18+36	- LAT. W	16		
18+89.5	- LAT. W.	16.5		
19+88.4				8.15 INLET
				8.15 OUTLET
				7.4
20+81.3	20+87			7.5 OUTLET
				7.5
0+00	MH			10.1 INLET
				10.2 OUTLET
				9.8 INLET
0+27.4	LAT. W	13'		
+91	LAT. W	15.5		

18

E CULVERT

MH

6" LAT (CONNECTED)

6" STUB EAST

No WYE POLE (CONNECTED)
(NOT CONN.)

No WYE POLE (NOT CONN.)

MH

(NOT CONN.)

(NOT CONN.)

MH

(19+94 ACCORDING TO OUR CONST STAKES)
9TH ST & BERNARD AVE. SW

8" STUB WEST

MH DEAD END (20+87 CONST STAKES)
8" STUB NORTH

-(FROM NORTH)

MH WEBB & 9TH S.W

FLOWS EAST

FROM SOUTH

(NOT CONN.)

(NOT CONN.)

-CON'T-

	EAST	WEST	X	DEPTH	
1+70	MH			8.45	OUTLET
				8.40	
1+75		LATW	17		

8400
840-1

19

MH
8" STUB SOUTH
(NOT CONN)
130.7' BET. MH'S NOT SEWERED

32nd ST. N.W. San Sewer
North From Lincoln Way.

EAST WEST X Depth

0+0			10.9 in	
			12.8 out	
			11.8 so.	
2+09.5	Lat	11'	8'	
2+49			78 in	
			72 out	
2+49	STUB			
	Lat E	73		0
3+06.5	Lat E	16'	8'	
3+49	Lat E			
4+61	Lat E			
4+97.5			72	
6+59.5	Lat E			
7+20	Lat W	13'		
7+47			9 35	
7+90	Lat W	15'	8'	
8+13	Lat E	16'	8'	
8+43	Lat W	14'	8'	
9+06	Lat W	12	8'	
+69	" "	12'	8'	
9+98.5			9 95	
10+91	" "	12	8'	
12+51			72	
12+90	" "	12	8'	
13+67	" "	12	8'	
14+75.5	" "	12	75	
14+95			76	

4-17-42

M.F.
B.O.B. 20

EX. M.H. COLLIM. IN. # 32nd ST. N.W.

M.H. # 1

out of M.H. 1

M.H. # 2

M.H. # 3

M.H. # 4

M.H. # 5

M.H. # 6

Each Y has 2' of pipe Extra E side only
Meas. taken to top of casting

OAK AVE S.E.
ST'M. SEWER FINALS

CONSTRUCTED BY RAYMOND REMLEY
SEWER CO.

(Diefenbacher Bros.)

CONC. WALKS.

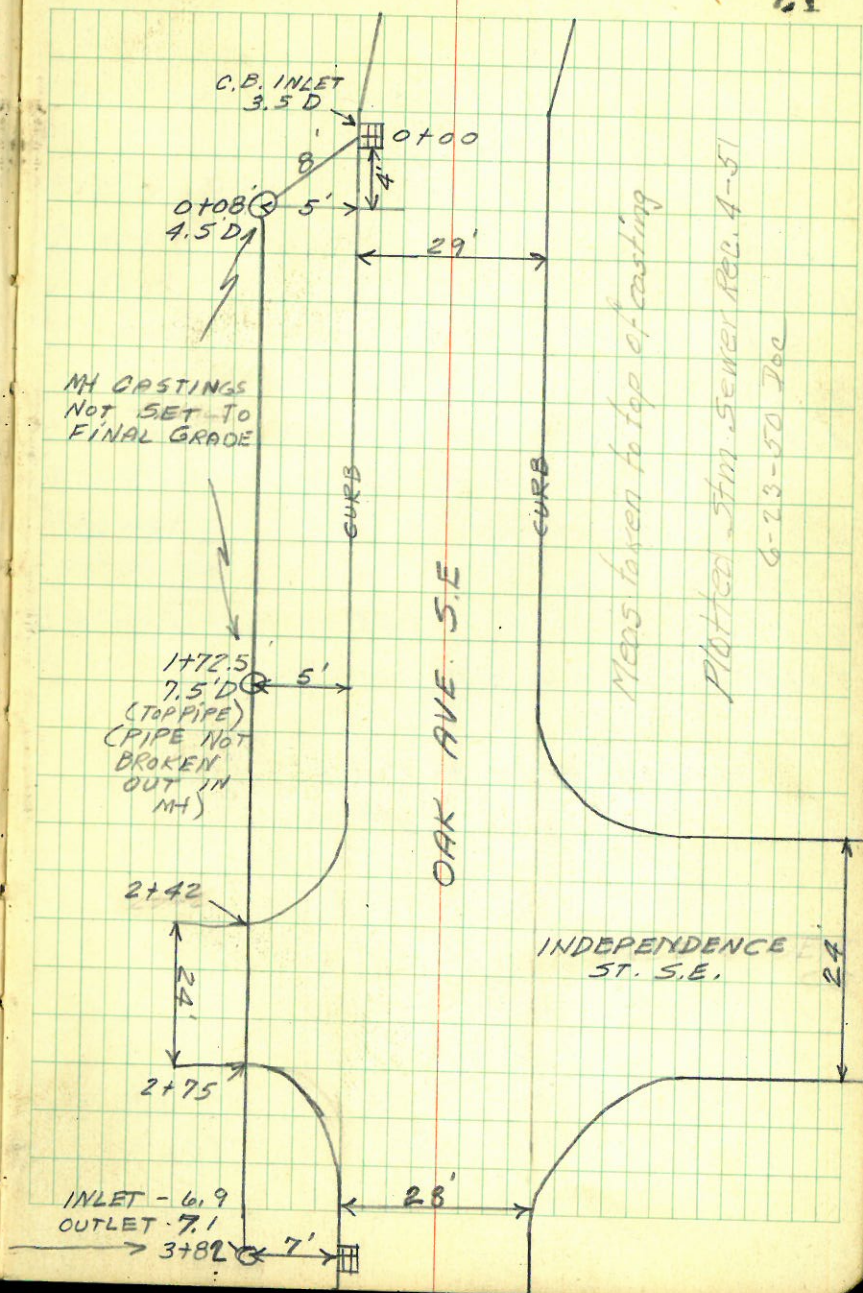
$$134' \times 4' = 538 \text{ sq. ft.}$$

OLD OUTLET
PLUGGED

6-19-50

Doc
7F

21



30th ST. N.W.
SAN. SEWER FINALS
LINCOLN WAY WEST-NORTH

		IN	Depth
-0+75			10.1
0+00	M.H. #1	OUT	10.75
+30			
+33			
1+01.5			
+04			
1+99	M.H. #2		9.0
4+03			
+05			
4+77			
4+79			
5+00	M.H. #3		8.65 Lat. out of M.H. W.
7+14			No. curb. L.W. NW.

238' FROM N. CURB To ^{FIRST} I.P.
EAST SIDE 30th ST. NW.

6-20-50

7F
DOC

22

FENCE LINE

		#1	
		⊙	0+0
Y-EAST		↘	0+30
Y-WEST	0+32	↗	
Y-EAST	1+02	↘	1+04
Y-WEST	1+76	↗	1+78
MH		#2	M.H. 1+99
		⊙	
Y-EAST	2+55	↘	2+57
Y-WEST	3+29	↗	
Y-EAST		↘	3+31
Y-WEST	4+02	↗	4+04
MH	4+77	↘	
		#3	
		⊙	4+79
			M.H. 5+0

Copied from sketch given me by
John Ehmer, 8-28-1950. Doc.

Brookfield
30th ST.
117.30

TUSC. RIVER CHANNEL

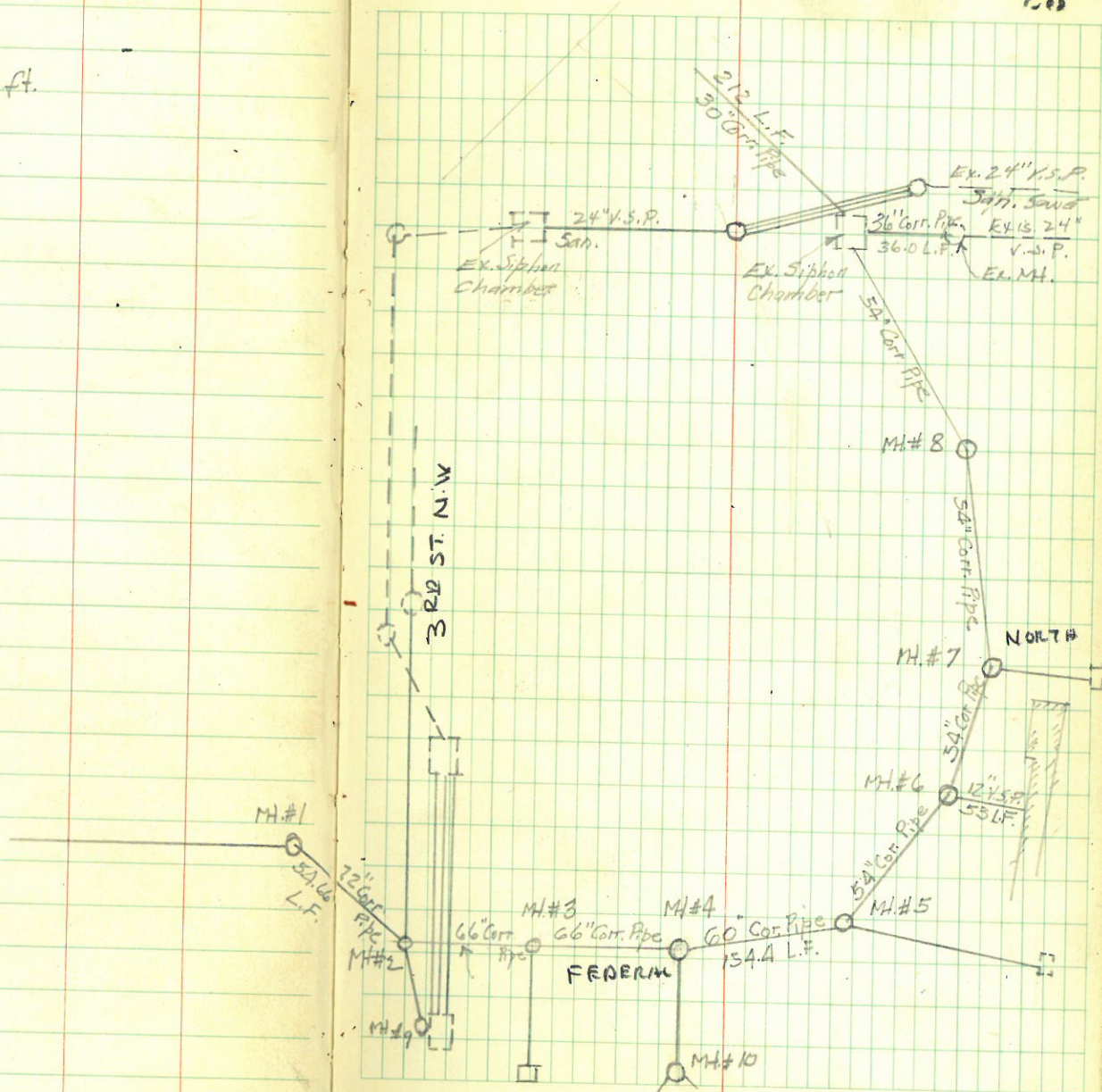
MH # 1

54.66 lin ft.

M.H. # 2

M.H. 3

23



LEWIS PL. N.E.
Sanitary Sewer relay
North Ave. Northern
19.5%

Old line relaid to secure depth
of lateral at Sta. 1425
Ordered changed and relaid under
supervision of R. Snyder.

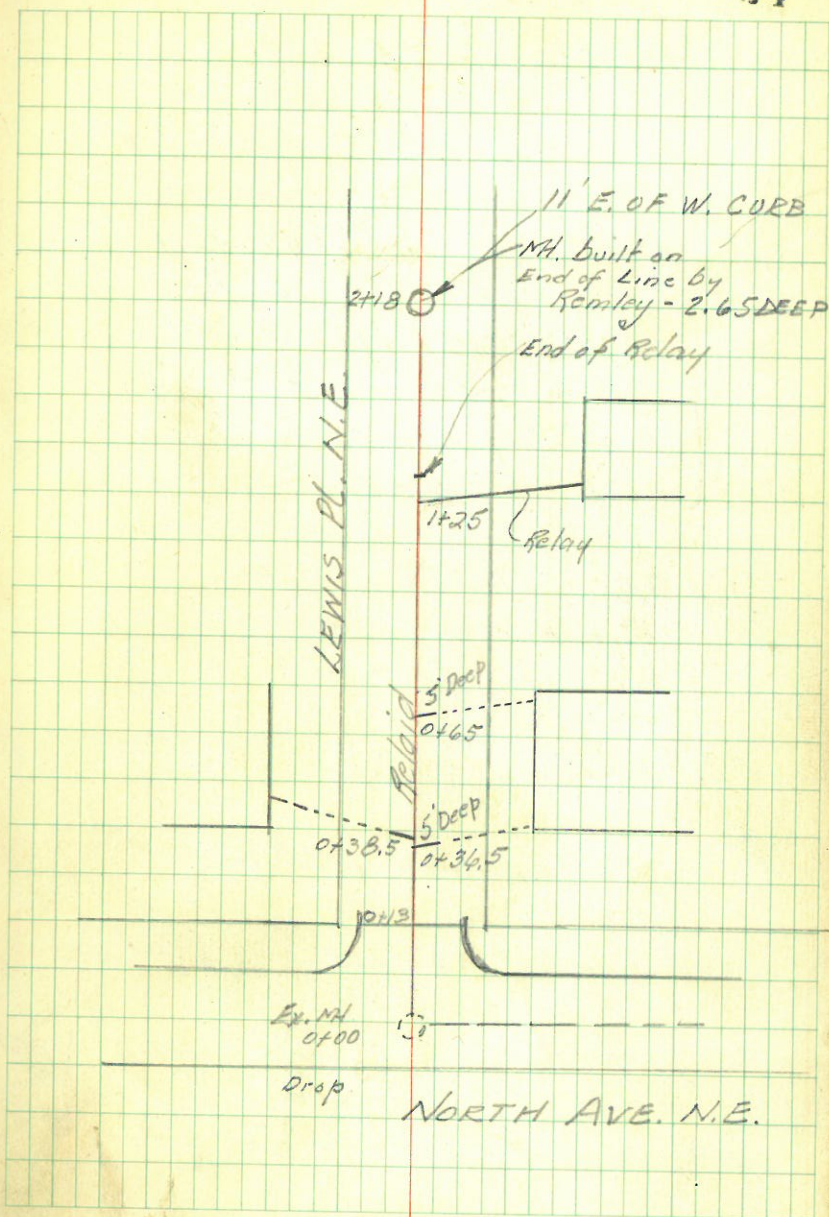
See N.B. 177-P 28 for Construction
Levels

PAVEMENT CUT 2'X13' = 3.5'X13'

C. Seifert Pmt # 5562
Lot # 1369 Relay
125' From MHA at North

Sept. 1950

Piper 24



19TH ST. N.E. Curb, Walks
& Gutter FINALS

E. side Circle Curb 43.5 lin. ft.

" " " walk 29.0 " "

" " Curb walk 10.0 x 5 sq. ft.

W. " Circle curb 66.0 " "

" " " walk 44.0 lin. ft.

" " Curb " 12.0 x 5.0 sq. ft.

{ str curb 314 lin. ft.

" walk 329 " " x 5 = sq. ft.

1 driveway - 10 lin. ft.

32 lin. ft. circle curb

32.5 lin. ft. circle curb

29.0 " " " "

377.5 str. curb

413 lin. ft. walk

4 drives

25.5 lin. ft. circle curb

16.0 " " walk

1 drive 147 lin. ft. str. curb

E side

979 lin. ft. str. walk

988 " " " curb

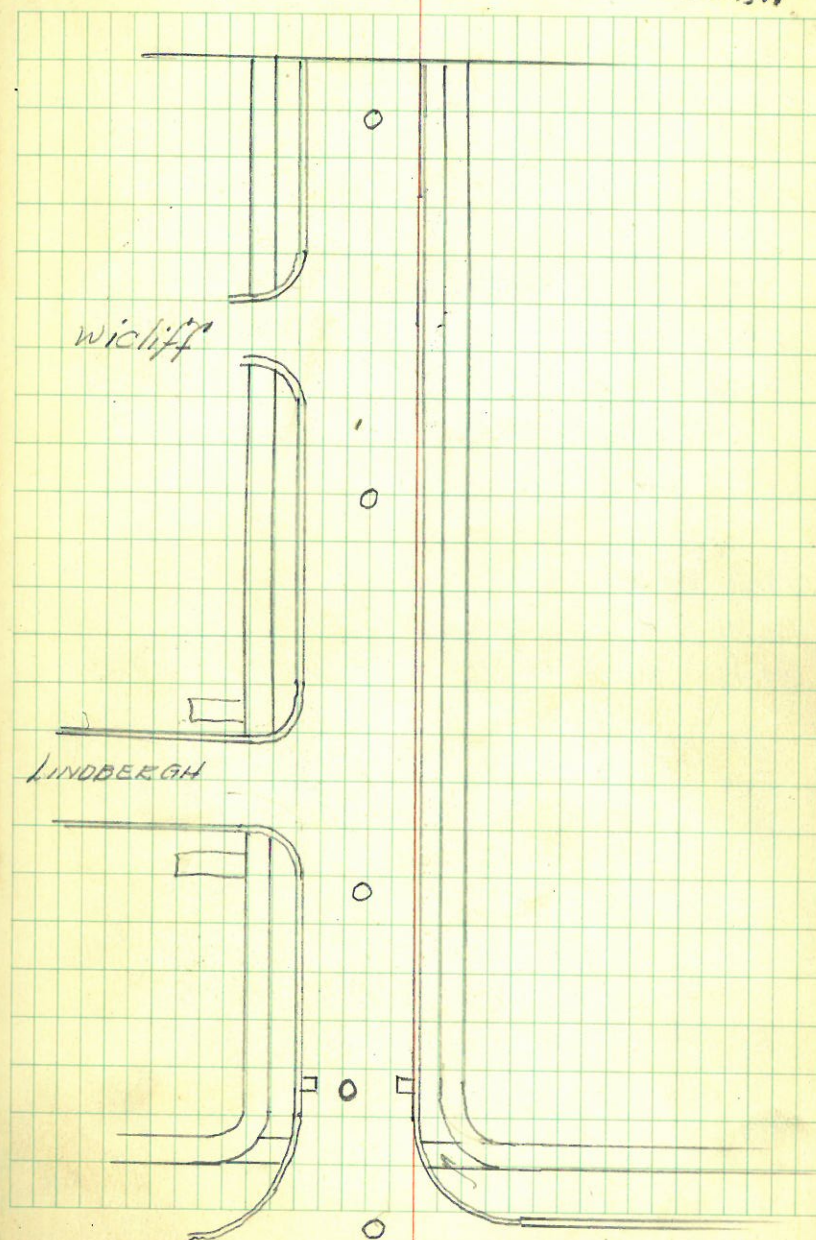
Reader 2 1/2" walk

mehl 15' 6" "

50' 6" "

11-14-50

H. P.
17. F.
Dec 25



LINCOLN WAY E.

NOBLE PL. N.W. San sewer
Finals

MH#1

6+00 mt. 13.6 deep

MH#2 1+34 11.5 deep

#3 2+22 9.5 deep

2+70 Lat E

3+75 Lat E

#4 4+50 4.1 deep

2+28 Lat E 12'

4+04 Lat W.

4+46 " E Blind wye

4+48 " W. " "

1-13-51

H.P.

Doc 26

54.5' W of Ex. mt.

Dwight EDWIN AVE S.E.

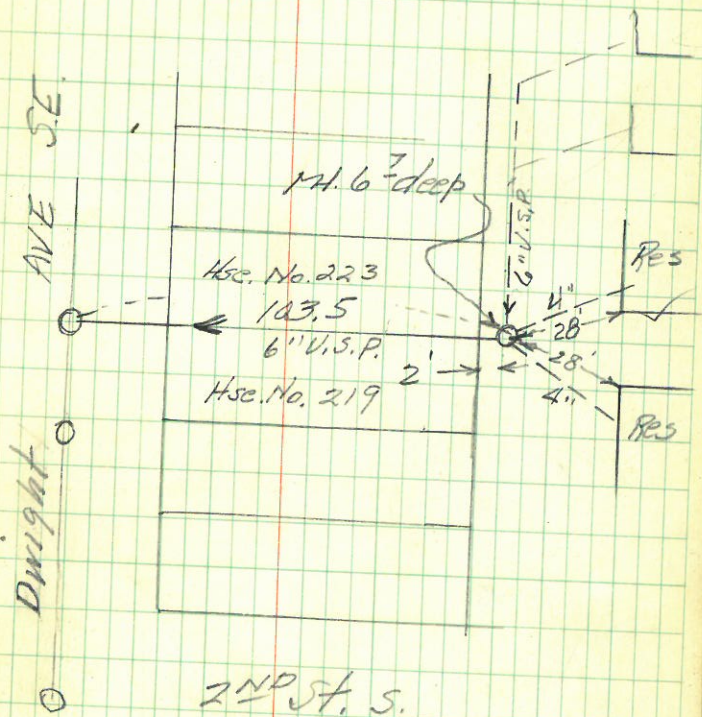
San. Sewer M¹ Location

Rear of Hse. Nos. 223-219

Clear
Cold

1-13-51

Piper
27
Doc



CHERRY RD. N.W.
FINALS

San Sewer

Sta.	side	Lat Depth	X	M.H.
0+0				6.80
+85	W.		15'	
1+15	W.			
+62	W.			Conn
2+32	W			
+74	W			
+83	MH #1			Top cast 8.07
3+25 ⁵	W		16	
+30	E			Conn
+79	E			
+80	W		16	
4+32 ⁵	W		16	
+35	E			
4+83	W		16	
5+0	E			
+33	W		16	
+50	MH #2			Top cast 9.22
+76	W		16	
6+30	W		16	
+82	W		16	
7+29	W		16	
+83	W		16	
8+29	W		16	
+75	W		16	
+72 ⁵	MH #3			Top cast 9.37

4-26-51

Doc
DICK 28

EXIST M.H.

#3 Bot cast.
M.H. 7.9 Top PIPE
#2 7.75
#1 6.6
Top cast
0+0 6.80

775	660	790
75	75	75
73	72	73
923	807	937
		922
		807
		26.66

See Page 30-31

ERIE ST. No. San Sewer
 FROM EXIST. M.H. ON WARWICK
 TO ERIE Thence Northerly 64'

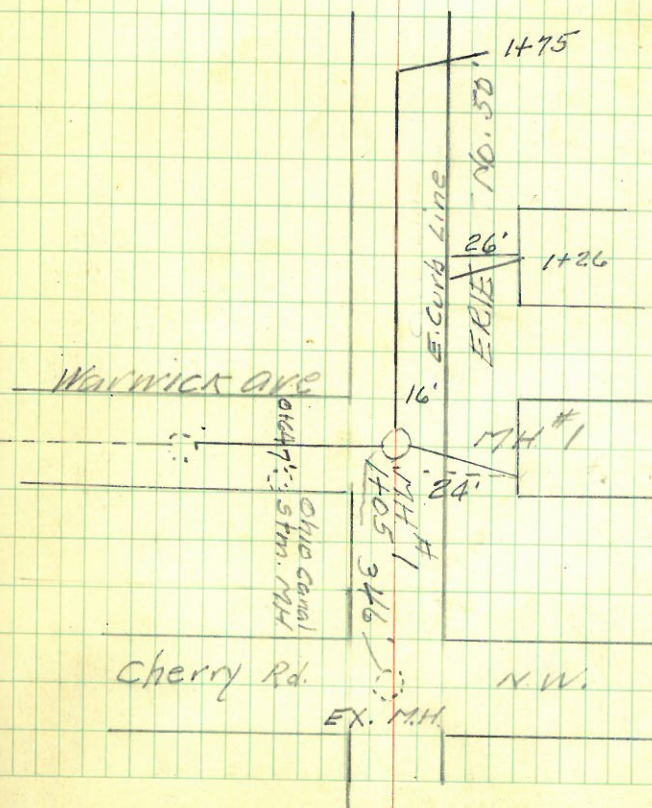
0+0		6.5	out	1
		2.8	in	
0+64				
1+05	M.H. #1	7.35	out	
1+26	Lat E	7.15	in	26'
1+69	End			
1+75	Lat E			17'

7-23-51

Doc
 Dick
 29

Start M.H. 7' S. of sewer line

16' off curb



CHERRY Rd. N.W.

San. Sewer Rechen on Laterals

7-23-51

Doc
Dick 30

0+0 6.8'

EXIST M.H.

0+33 E 2

+66 E 4

0+86 W 1

1+14 W 3

1+27 E 6

1+62 W 5

Conn.

1+2+30 W 7

+34 E 8

+75 W 9

+80 E 10

2+83 MH 1

8.07

3+25 W 11

+31 E 12

Conn.

+79 W 13

+83⁵ E 14

4+31⁵ W 15

+36 E 16

+82⁵ W 17

5+01 E 18

6+33⁵ W 19

+50 MH 2

9.22

+64 E 20

+75 W 21

See also Page 28-31

6+18 E 22
 +32 W 23
 +80⁵ E 24
 +83 W 25
 7+29⁵ W 27
 +36 E 26
 +85 W 29
 +99 E 28
 8+30⁵ W 31
 +57⁵ E 30
 +73 MH "3
 +15 W 33

9.37

cont.

M.H. Meas. To top of casting

See also Page 28-30

STANTON AVE San Sewer
 From EXIST. M.H. 195' west of 23rd
 100' westerly

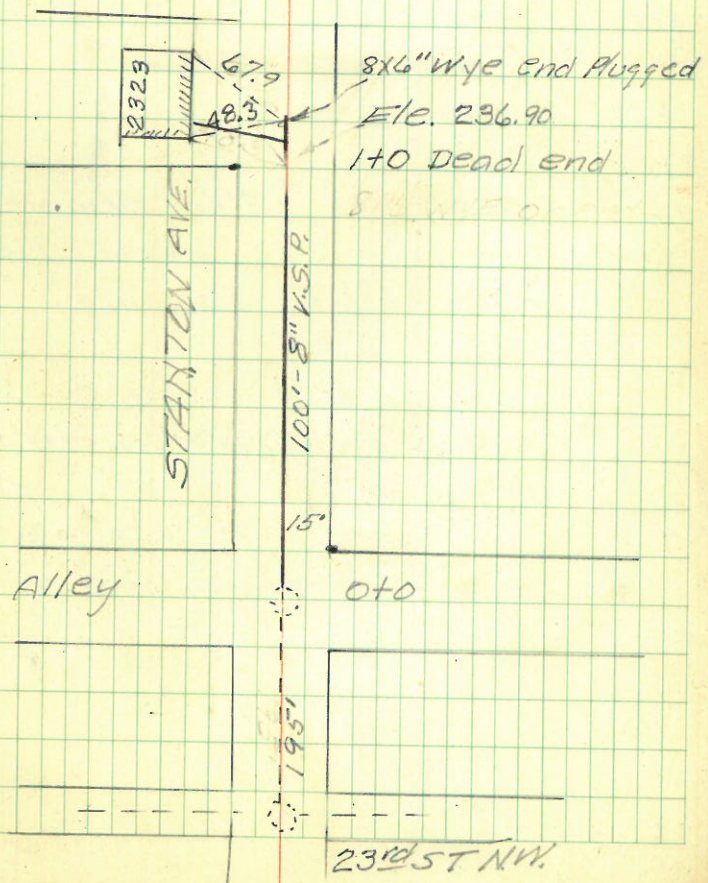
0+0	EX. M.H.	14.35	out
0+0	" "	9.45	in.
1+00			

7-28-1951

Doc.
 Dick
 32

4.90 Drop in EXIST. M.H.

Dead end of sewer 8x6" wye on End with Cap, Plugged



14TH ST. N.W. No. of Main Ave
San. Sewer Finals

		in	out.
0+0	Drop 17.4 X	7.80	13.50
0+93	M.H. #1	8.35	
1+27	Y-No.		
1+30	"-So.	8.	Conn.
1+67	"-No.		
2+18	"-No.		
2+21	"-So.		
2+57	"-No.		
2+60	"-So.		
2+73	M.H. #2	8'00	clean out + Pipe

broken out in channel

M.H. Meas. to top of casting

Pmt. For Grabbills Hse No. 5731

37' E. of M.H. #1

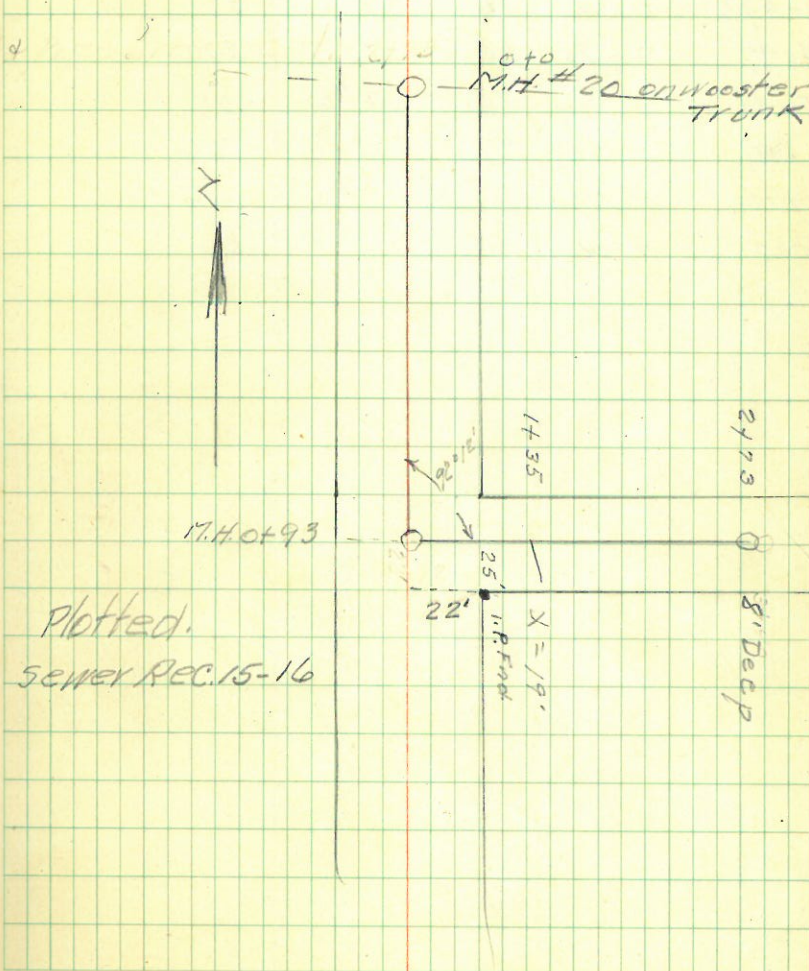
Copied from John Ehlers Notes

10-22-57

Doc
Dick.

33

Pipe to be broken out



Plotted.

SEWER REC. 15-16

BRADFORD AVE NE.

San. Sewer= Finals

12-1-51

34

		X	Depth.	No. Ft. Pipe
0+0	EX. M.H.			
1+93	Lat. S.	28'	8'	27
3+56 ⁵	" "	23.7	10'	27
3+89.5	" No.	24'	7'	27
4+97	" So.	26	13.5	27
5+44	" No.	26	6 1/2.	29
6+49	" So.	27	13.5	26
6+91	" No.	25'	6.0	26
8+05	" So.	27'		26

M.H. on center line.

6' x 5'

Curb So. 0+00 - 4+86

" No. 0+03 - 4+86

Sidewalk 0+00 N+5

" 4+92 N+5

BRADFORD RD. N.E. STORM SEWER FINALS

		Sump	outlet	inlet	Steps
2+25	M.H.#1	8.2	6.0	5.8	2
3+75	M.H.#2	6.5	4.5	-	1

Intersection Bradford & Lennox

C.B. N. side	5.8	3.8	3.4
C.B. S. side	3.35	1.05	-

Clear
Cool

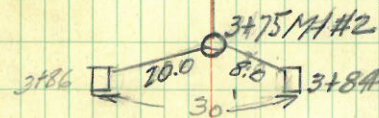
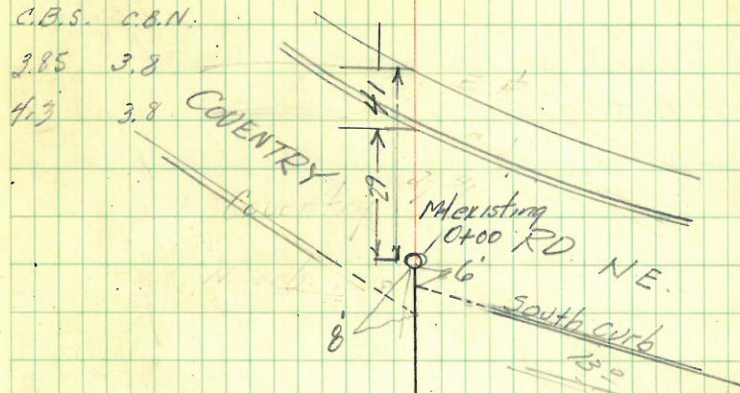
12-3-51

Piper
Doc
Dik 36

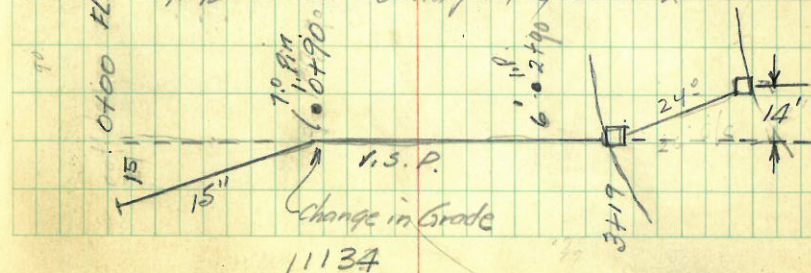
C.B.S. C.B.N.

2.85 3.8

4.3 3.8



Intersection Bradford & Lennox

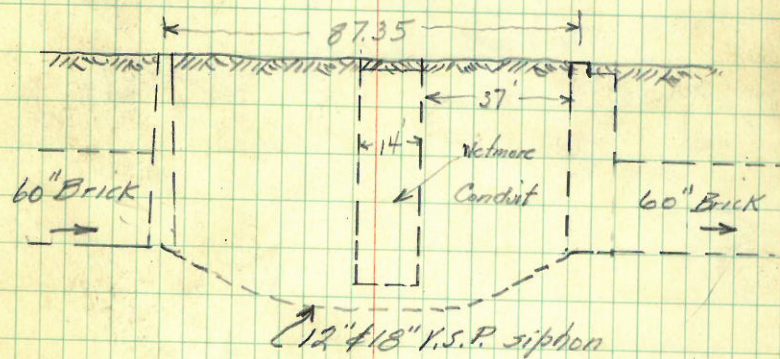
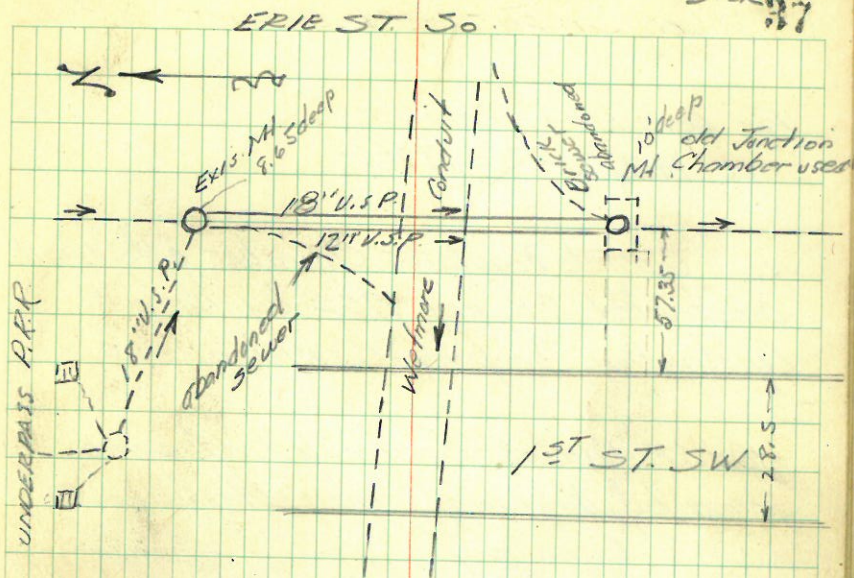


STORM SEWER SIPHON
 UNDER WETMORE CONDUIT -
 Between ERIE ST. S. and 1ST ST. S.W.

Siphon Built in February 1952 by
 A. J. Diana.

3-14-52

Piper
 Dick 37



NORTH SIPPO PARK
Regulator Chamber
on SIPPO TRUNK SEWER

For Detail of Chamber

see M372 - Acc. 1776

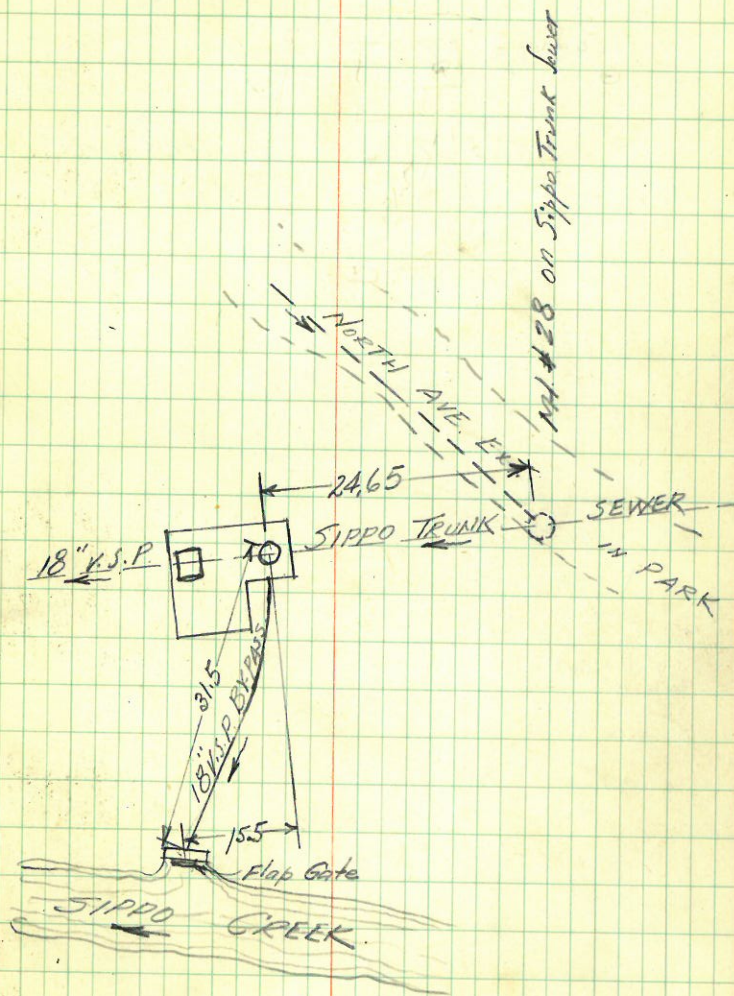
M 372 - Acc. 1776

Concrete Regulator Chamber & Headwall
Constructed February 1952 by Brown
Construction Company - Massillon, Ohio

18" V.S.P. - By-Pass - Constructed at same
time by Raymond Remley - Massillon, O.

3-14-52

Piper
Dick 38



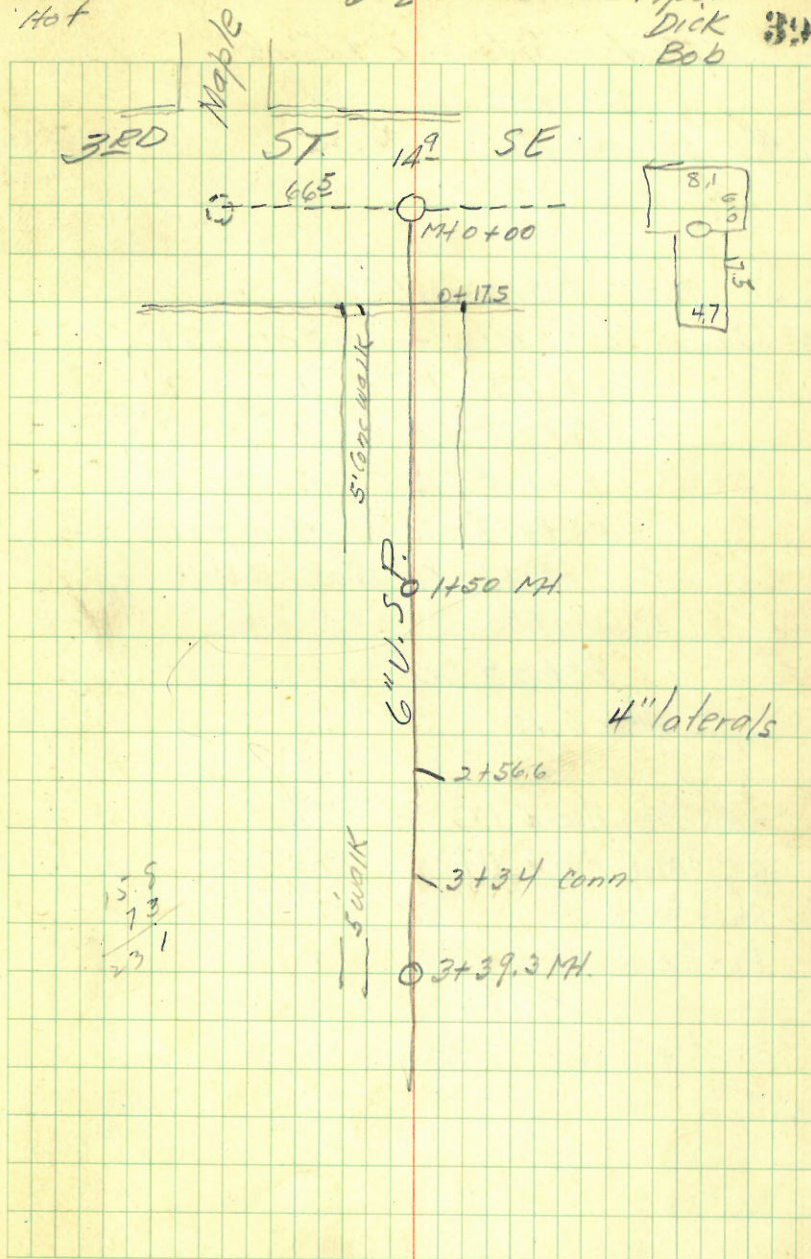
HALL CT. SE. Sanitary Sewer Final

MH	outlet Depth	Inlet depth	
0+00	1	6.9	
1+50	8.0	5.65	
3+39.3	7.8		Dead end

Clear
Hot

6-22-52

Piper
Dick
Bob 39



Lake Ave. N.E

Finis - Sidewalk & Curb

South Side

4" straight thru = 830.75

straight curb = 842.0

12' Drive Hsc #181 - 12' - 2 dts 14'

" # 175 - 10 1 " 7'

Hsc #171 - 10 1 " 7'

Hsc #165 - 12.5 2 - 14'

Hsc #159 - 12.5 2 - 14'

" #147 - 20' Drive - 12' Walk

Alley 19.5

Hsc #123 12'

Alley 15

w of 2nd Alley Hsc #133 - 7' dt

w of 1st Alley Hsc #117 7' "

Stone Grill 7' "

Apt. Hsc N.E. Corner 7' "

40

N. Side

curb 0x03

walk 1453

140' straight curb

24' Rad. curb w side Healy

30' Rad " " "

-12

Hsc #134 - 17' drive 2.0

Hsc #150 - 12' " 2.0 7' dt.

walk 4+16.5

straight curb = 890'

Radius Janice 10. side 25.0

" " E. side 28'

10.5

Hsc #178 - 13' 2.0 1 dt = 7'

36.4 #184 13' " 2.8 1 dt = 8'

47.6 #188 - 14' " 3.4 1 dt = 9'

54.0 #192 15' " 3.6 2 dts = 18'

#200 - 13' " 4.0 2 dts = 18'

52.0 " 206 - 13' - 4.0 1 dt = 9'

#210 - 16.5 - 4.0 2 dts = 9'

#214 - 13 - 4.0 1 dt = 9'

#222 - 11 - 4.0 2 dts = 18'

#246 - 10.5 - 4.0 2 dts = 18'

Lot Vacant 13.0 4.0 dt 9'

" " 11.5 4.0 dt 9'

Hsc. N.W. corner dt 9'

406.0

Janice St. 4' walk
Combined Curb and Gutter

E. side 154 x 4
Curb 145'

W. side
208 x 4

-51 Curb 150.5

Drain Tile

Hsc NE corner Janice 20 ft.

" lot W. side N. of Corner 10' dt.

Straight 4" walk 794'

" curb 771.5'

Rad. W. side Keyper 22.0

" E. " " 28.5

-18' Chet Keyper 2 d.t.s @ 14' = 28'

102.0 Hsc # 338 - Brick - 12 x 8.5 1 dt = 14'

102.0 " " 342 12 x 8.5 2 d.t.s = 28'

4" walk Straight 554'

Curb " 531'

Chet Keyper 3 d.t.s @ 14' each

549
12

BERNARD ST. S.W.
Walk & Curb Finals

4" Sidewalk

3+5

5⁵ x 5

532⁵ E side 4'

608⁷ W side "

Total 4609.5 Sq' 4" walk

6" sidewalk

Sq' 6" walk

E. 965 Walnut 14⁵

68 Sq'

E. 718⁴ Bernard 10'

40 "

E. 724⁴ " 11'

44 "

W 823⁴ " 9'

36 "

W 815⁴ Urban 10'

40 "

W " " 12'

48 "

W 807⁴ " 12'

48 "

W 729⁴ " 11'

44 "

Total Sq' 6" walk 368

8-18-52

Dick
Bob 42

Circle Curb & Gutter

Walnut Rd. W. 24⁵

" " E 25

Overlook E. 25⁵

" W. 25

Straight Curb & Gutter

642⁵ E

641⁵ W

29TH ST. N.W.

Stm Sewer & San Sewer
Finals

8-22-52

Dick
Bob 48

Finals - Federal - Weirich - 2nd NW.

Curb and walk measurements

Federal Ave.

N. side

25.3 Circle

485.5 Straight to R@Weirich

40.5 Circle

230.5 straight

20.0 Circle @ North Ave S. side

34.0 " @ " " " N. "

774.0 Straight To 3rd St. NW.

N. Side Weirich - 3rd St. South

863.0 To Rad N. side N.

15.0 Circle

88.0 Straight to Rad @ 1st N. side North

21.0 Circle

Conc. Walk N. side North

9 x 6

8" Conc. Header 43.0 x 8.0

8 x 5

91.0 x 5

South side North Ave. NW.

Conc. walk

8.0 x 6.5

7.5 x 5.0

5.0 x 6.5

10-16-52

Piper
Bob 44

walk 48.0 x 5 and 9 x 5.0

25.0 Circle - So. side North @ 1st NW.

48.0 straight curb

27.5 Circle E. side Weirich @ North-S. side

231.0 straight curb to Rad. @ Federal

30.0 Circle N. side Fed @ Weirich

29.5 straight " "

19.0 Circle on 1st Federal N. side

Conc. walk N. side Fed.

15.0 x 9.0

46.0 x 8.0

step 1 x 3.5 x 0.7

Conc. Header 41.5 x 12.0 + 21 x 1.75

South side Federal

29.0 straight curb W. side 1st NW.

walk 36.0 x 5.70 + 13.0 x 6.0

19.5 Circle S. side Federal @ 1st NW.

18.5 straight curb

50.0 Circle Curb

112.5 straight "

25.0 Circle curb

42.5 straight "

20.0 Circle "

47.0 x 6.0 - walk 4 x 2.0 - 28 x 6 - 18 x 6

6' walk 48.0 x 6 - 12 x 6 - 14 x 6.0 - 13.0 x 6

52.5 x 6

17.5 x 6

2nd St. N.W. W. side

21.0 Circle 2nd & Alley

39.0 Straight Curb.

25.0 Circle

41 x 6.0 4" Conc. Walk

18 x 6.0 6" " "

S. side Federal 1. 2nd to 3rd

328.0 lin ft. Straight Curb

25.0 Circle SE. Cor. Fed + 3rd

E. side 3rd

40.0 Straight Curb

20.5 Circle 3rd & Alley N. side

2nd St. N.W. - West side

23.5 lin ft. Circle Combined C. & G.

33.0 x 6.0 - 4" Conc. Walk

12.0 x 6.0 - 6" " "

11.0 x 11.0 - 4" Conc. Walk

8.0 x 6.0 - 6" " "

17.0 x 5.0 - 6" " "

4.0 x 5.0 - 4" " " 6.0 x 5.0 - 4" Walk

34.0 x 11.0 - 4"

7.5 x 6 - 4"

Minus 3 x 3.5

29.5 x 11.0 - 4"

133.5 lin ft Combined Curb & Gutter.

5.5 x 5.6 x 5.0 x 2.45 high Conc. Step. ^{well} 12.0 x 1.5 x 0.75

2nd St. N.W. - E side

Lincoln Way North to Alley

2.5 x 1.5 - 4"

34.0 x 7.7 - 4"

15.5 x 6.0 - 4"

Steps.

0.8 x 1.0 x 3.0 x 6.2

wall - 1.0 x 4.3 x 0.8

79.0 x 12.5 - 4" Walk

20. x 12 - 6" Walk

2.3 x 8 - 4" "

20.0 Circle Curb Comb C & G.

140.0 Straight Curb & Gutter

Minus 9.6 x 4.6 - 4" Walk

Steps

5.0 x 5.0 x 3.0

3.0 + 0.5 x 5.0

7

Excav.

18.0 x 80.0 x 0.75 Alley = 40 C.Y.

300.0 x 5.0 x 0.75 Sid. = 42 C.Y.

19.0 x 6.0 x 1.0 3rd S Side 43 C.Y.

Fed - between 2 nd & 3 rd	30'	1 C.B.
Weirich - at Swamp	10'	Twin C.B.
" - Fidelity Bus 19 ⁵	14 ⁵	1 C.B.
" (12)	7'	1 C.B.
" (37)	32	1 C.B.
" (32)	27	1 C.B.
Federal E. of 2 nd	32.5	2 C.B.
" " " (40)	36	

12TH ST. S.W.

Finale - Curb-Gutter & Walk Construction

West side

Curb Rad. Conc Comb 27.0

4" walk 5x5.5 661'-4"

642' Straight Curb

Curb Rad. 25.0

St sewer 16' vitrified

24' Trench

Curb Rad. E 25.5

26.5

curb 0+13

662'-4" x 4' wide $9 \times 5.0 = 45 \text{ sq ft}$ 4" walk

643'- straight curb

E

4x#710

11x4.5

10x12

conc Drive

719

12.5x4.5

11.5x13.5

"

"

MARCEL

723

11.0x4.5

9.5x12

2 Drain Tiles 9x2

733

11.0x4.5

10x12

2 " " 9x2

800

15.5x4.5

17x14

1 " " 9x1

812

11.0x4.5

10x12.5

1 " " 9x1

813+819

16.5x4.5

15.5x17.5

2 " " 9 each

823

11x4.5

10x12

1 " " 9x1

846

10.5x4.5

9.5x11.5

2 " " 9x2

849

1 " " 9x1

11-15-54

Piper
Bob 47

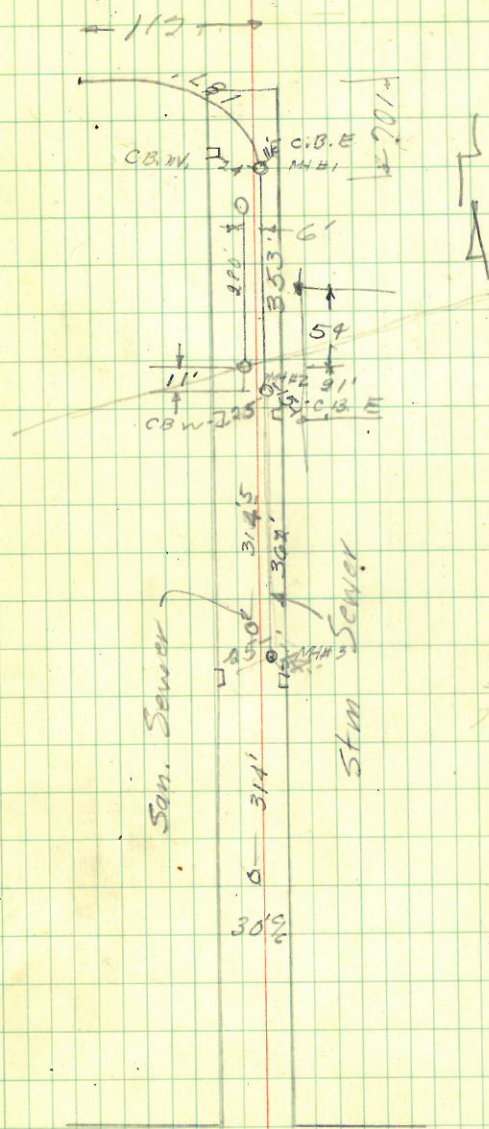
29TH ST. N.W. (HEMLOCK)
 Stm. & San. Finals

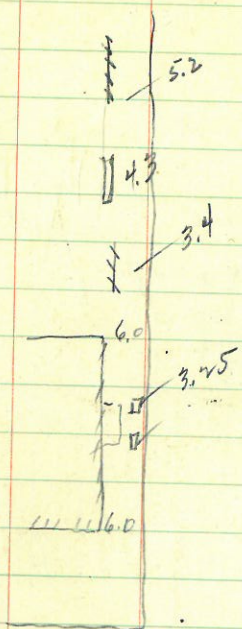
HEMLOCK ST. N.W.

	Stm.	
0+00	MH#1	4.3 deep
3+53	MH#2	4.25 deep
7+15	MH#3	4.8 deep
	San	
-2+10	MH#1	4.0 deep
0+00	MH#2	6.65 inlet No. 6.75 inlet So. 7.35 outlet E
3+14 ⁵	MH#3	6.84
6+28 ⁵	MH#4	7.4

12-26-52

Bob
 Donny 48





CLAREMONT AVE N.W.

Finals - Sanitary Sewer

		Inlet	Outlet	
Mt #1				
Mt 0+00	0+00	7.25	7.8	Conc. BIK

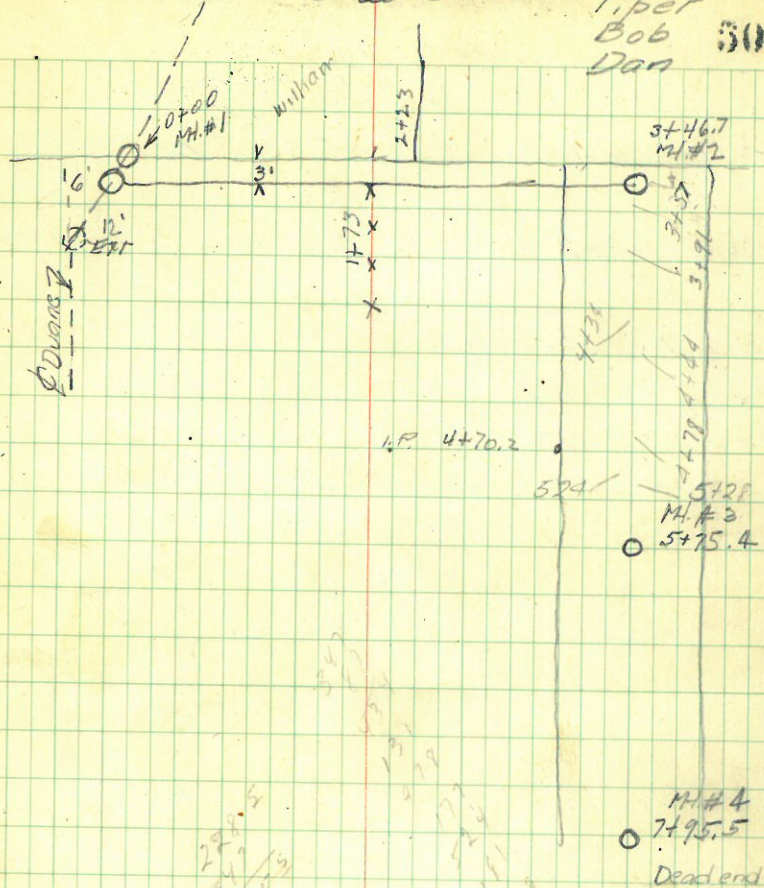
MI#2	3746.7	9.2	9.3	"	"
------	--------	-----	-----	---	---

M. # 3	5+75.4	9.5	9.5	" "
--------	--------	-----	-----	-----

PH. # 4 7195.5 - 10.15

12-30-52

Piper
Bob 50
Dan



MAYFLOWER ALLOT.

Stm. Sewer

0+00 MH#1 Inlet 5.55 Outlet 5.80

0+51 MH#2 " 5.45 "

2+50 MH#3 6.6 Deep

4+80^s MH#4 Inlet Cor. 11.2 " Outlet 11.43
Inlet Stand. 9.3

MH# 5 6+63 8.3 Deep

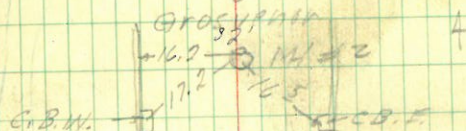
conc Pg 34

2 - 53

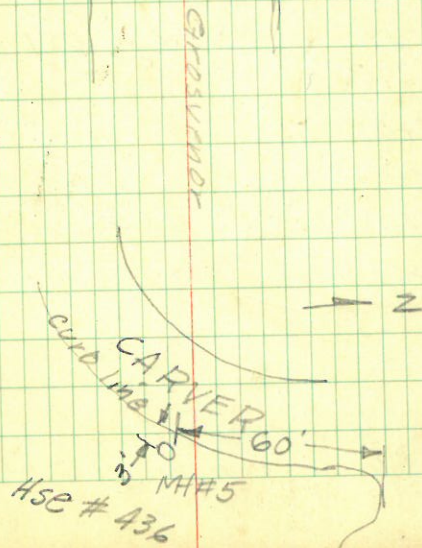
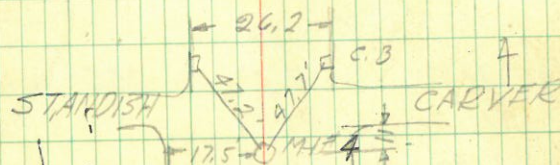
51

Grosvenor & Lincoln Way

1st N. of Lincoln Way on Gros.



@ Grosvenor & Carver & Standish



4TH ST. N.W.
San Sewer Finals

Depths to top Castings

MH#1 outlet 14.5' inlet 14.4'

MH#2 outlet 7.9' " 7.6'

MH#3 4.7'

MH#4 4.5'

MH#1 1+29

Lot 2+39 HSC No. 605 16' W.

MH#2 2+50

lot 2+88 HSC No. 611 16' W.

lot 3+61 " " 617 "

lot 4+09 " " 621 "

" 4+74 " "

MH#3 5+05

lot 5+40

" 6+01 14' W

MH#4 7+43

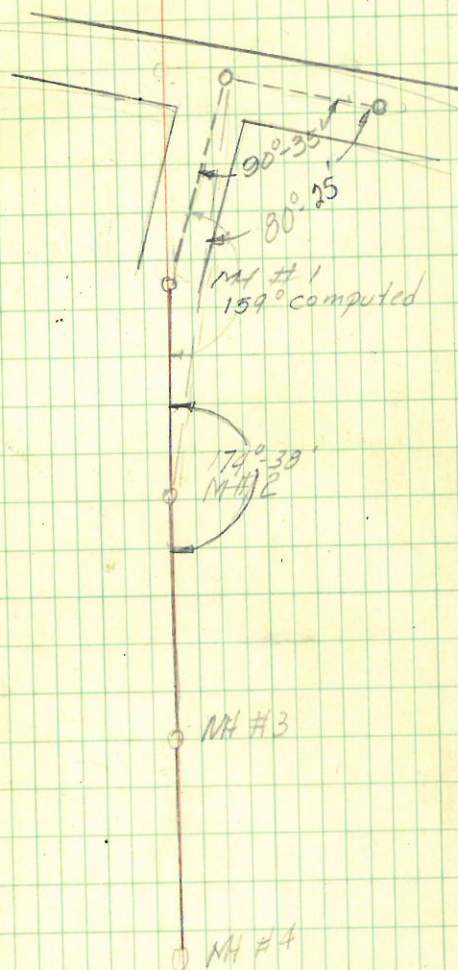
R 7+11 7+3

R 6+49 14

6+7

3-12-53

Don
Bob 52



16TH ST. S.E.

San Sewer Finals

Ex MH 11.3 outlet 10.4 inlet.

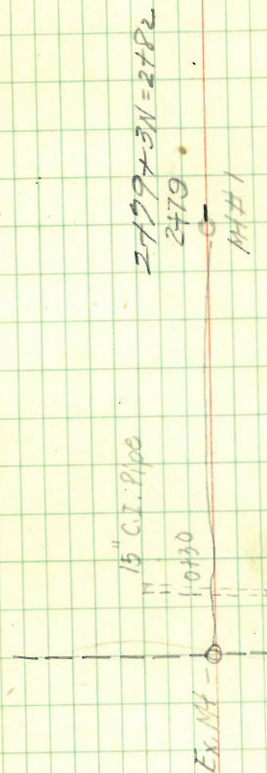
0+30 15" C.I. Pipe

2+79 MH #1 10.6 outlet

2+92

3-21-53

DAN
Bob 53



MAYFLOWER ALLOT.
Stm Sewer

MH#6-8+60 3.6' Deep

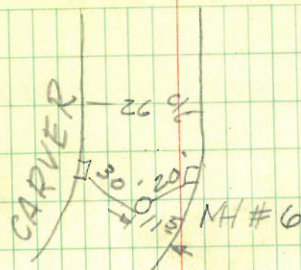
MH#7- 1+845 5.9' Deep
Distance from MH#4

MH#8 3+79 2.45' Deep

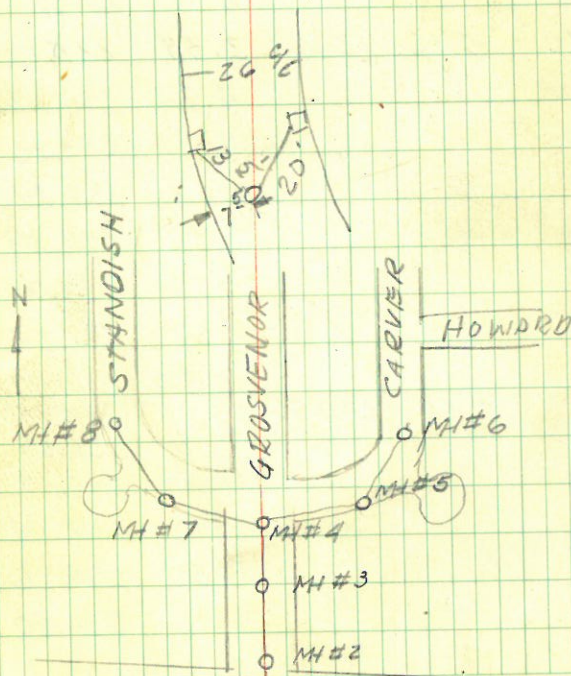
Hot

6-15-53

Bob
Don 54



on Standish 3.5 back of curb
@ Hsc # 437



LINCOLN

MH#1
WAY N.W.

PROFILE OVER
STM SEWER
MAY FLOWER ALLOT.

Cloudy
Warm

6-17-53

π Bob

φ Dan 55

B.M.	2.23	231.21		228.98
			6.98	224.23
			7.10	224.11
			6.66	224.55
1+50			6.1	225.1
T.P.	10.98	239.14	3.05	228.16
3+50			7.6	231.5
4+50			4.4	234.7
T.P. 4+80 ^s	5.16	240.91	3.39	235.75
4+96			4.94	235.97
5+35			5.01	235.90
6+50			6.42	234.49
6+63			7.32	233.59
6+71			6.88	234.03
7+43			9.67	231.24
8+60			10.34	232.57
T.P. 0+00	4.81	240.56		235.75
0+19			4.91	235.65
0+63			5.08	235.48
1+70			5.72	234.84
1+85			5.80	234.76
1+93			5.76	234.80
2+93			6.9	233.7
3+79			7.43	233.13

Hyd. 22ND St. NW & Lincoln Way

Ex. MH#1

Gutter Lincoln Way N.

MH#2

1+50

MH#3

MH#4

on curb-line under curb

on curb

MH#5

on curb

Gutter

MH#6

curb-

curb-

"

MH#7

curb

MH#8

CARVER

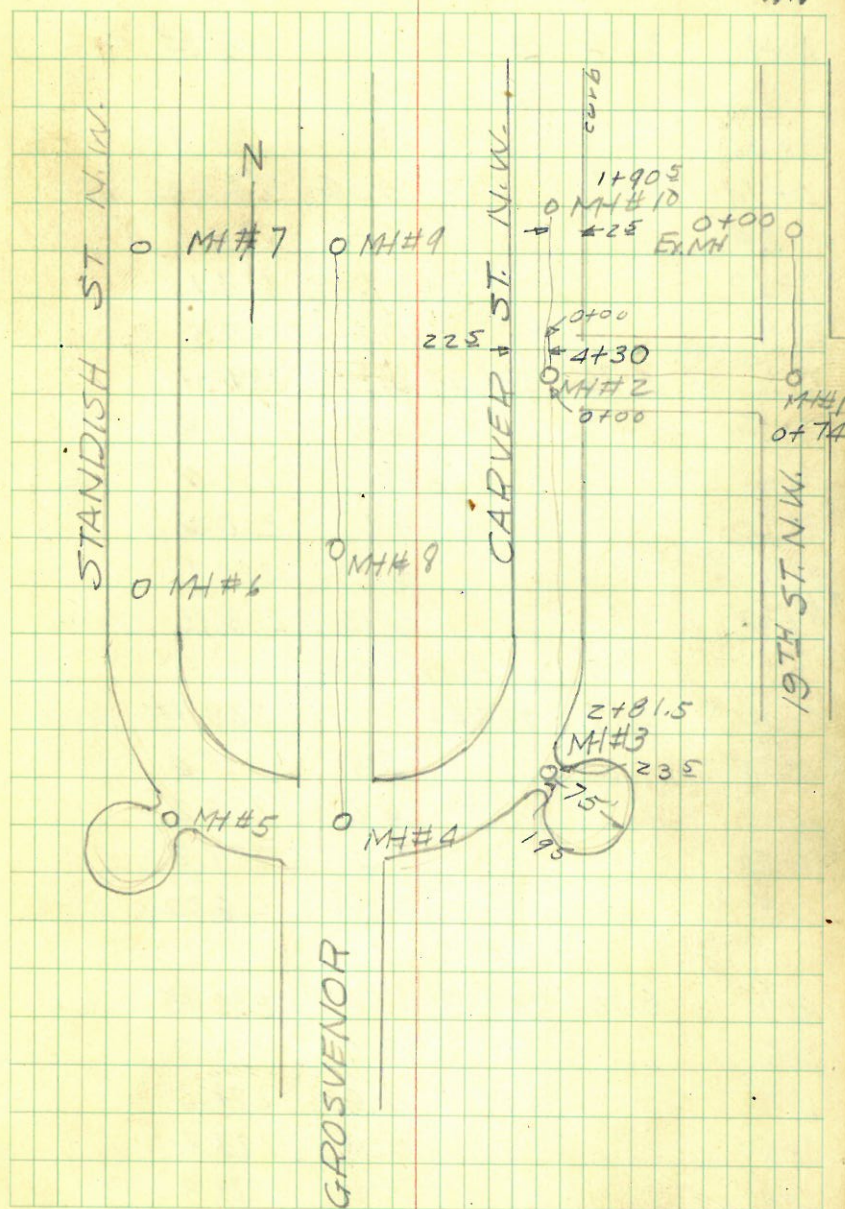
0+00 MH#4

STANDISH

MAYFLOWER ALLOT.
Sanitary Sewer

0+00	Drop EX MH - 19 th St.	6.15 inlet 14.15 Deep outlet
0+74	MH#1	6.95 outlet
4+33	MH#2	8.00 Deep
	MH#3	8.15 Deep
	MH#4 Drop	7.4 inlet N. 9.4 outlet E. 9.35 inlet W.
	MH#5	5.6
	MH#6	3.85
	MH#7	4.6
	MH#8	6.2
	MH#9	3.2
	MH#10	3.6

56



MAYFLOWER ALLOT.
Profile over San. Sewer

B.M. 3.86 230.10 226.24

HOWARD

0+00 8.3 221.8

0+74 6.36 223.74

1+24 4.5 225.6

1+50 3.0 227.1

2+0 0.8 229.3

T.P. 5.76 235.07 0.79 229.31

2+50 4.7 230.4

3+0 4.1 231.0

3+50 4.5 230.6

4+0 5.7 229.4

T.P. 4+30 6.12 228.95

CARVER

0+00 5.49 234.44 228.95

+50 5.8 228.6

1+0 6.2 228.2

1+50 7.2 227.2

1+90 E 8.44 226.00

0+0 8.20 237.15 228.95

0+5 8.5 228.7

1+0 8.6 228.6

1+5 8.4 228.8

2+0 7.9 229.3

Hyd 19th & Howard

-6.15 = 215.65

Ex. MH on 19th No. of Howard

-6.95 = 216.79

MH#1 Howard & 19th ST.

-8.0 = 220.95 Fl. MH.

MH#2 Howard & Carver St.

MH#2 " "

-3.6 = 222.4 Fl. MH.

MH#10 End of Carver

MH#2

Mayflower (Cont)

237.15

2+5	7.2	230.0
2+815	6.07	231.08
3+0	6.1	231.1
3+5	5.1	232.1
4+0	4.2	233.0
4+5	3.5	233.7
5+0	2.9	234.3
5+42	2.89	234.26

GROSVENOR Dr. N.W.

0+00	6.86	241.12	6.8	234.26
0+50			7.12	234.00
1+0			6.8	234.4
1+5			6.4	234.8
2+0			6.1	235.1
2+40			5.8	235.4
2+5			5.61	235.51
3+0			5.6	235.6
3+5			5.4	235.8
4+0			5.5	235.7
4+5			5.8	235.4
4+825			6.0	235.2
			6.32	234.80

58

-8.15 = 222.93 Fl. of Pipe
MH #3

-9.4 = 224.86 Fl.
MH #4

San MH #4 Grosvenor & Carver & Standish
Stm MH " " "

-6.2 = 229.3
MH #8 on Grosvenor

-3.2 = 231.6
MH #9 on Grosvenor

May flower (conc.)

STANDISH ST. N.W.

B.M.		2.06	
B.M.	4.65	238.91	234.26
0+50		4.83	234.08
1+0		5.37	233.54
1+5		5.64	233.27
2+0		6.15	232.76
2+10		5.94	232.97
2+33		5.95	232.96
2+57		6.52	232.39
3+0		6.92	231.99
3+50		7.14	231.77
T.P.	5.58	239.54	4.95 233.96
4+0		8.3	231.24
4+53		7.39	232.15
5+0		7.2	232.34
5+5		6.5	233.04
6+0		6.1	233.44
6+5		5.3	234.24
7+0		4.8	234.74
7+45		4.4	235.14
		0.56	238.98
7+50 ⁵			

Rain
Mud

12-22-53

Bob
Dan

7.0

Hyd Grosvenor & Carver

MH. " " #4

9.35 = 224.96

MH at turnaround #5

5.6 = 226.79

MH #6 3.85 228.30

MH #7 4.6 = 230.54

Hyd End Standish

Lot Line - N. line 11017

CITY PARKING LOT

Concrete Finals

Federal

$$4" \text{ walk} - 5.35 \times 4.6 = 24.61$$

$$4" \text{ " } 337 \times 5.0 = 1685$$

$$\text{Curb} - 5.35 + 337.05 = 342.40 \quad 689.10 \text{ Total}$$

$$342.40 \quad 346.70 \quad \text{Curb}$$

3rd St

$$4" \quad \frac{7.8 + 3.5}{2} \times 4.5 = 25.65$$

$$4" \quad \frac{7.0 + 4.0}{2} \times 5.0 = 25.0$$

$$4" \quad 3.0 \times 4.5 = 13.5$$

$$4" \quad 18.5 \times 6.0 = 111.0$$

$$4" \quad 14.5 \times 6.0 = 87.0$$

$$6" \quad 18.0 \times 6.0 = 108.0$$

$$6" \quad \frac{2.6 + 4.0}{2} \times 5 = 16.5$$

$$6" \quad 7.3 \times 4.0 = 29.2$$

1 Twin C.B.

1 Mt adj.

1 Single C.B.

47 Meter standards

Clear
Cool

8-19-53

Piper
Bob Bill

4" walk

24.61

1685.00

25.65

25.00

13.50

111.00

75.00

1868.00

@ 0.33 = 616.44

* 1 Twin C. Basin @ 150.0 = 150.00

1 Mt. Adjusted @ 10.0 10.00

* 1 Single C. Basin @ 90.0 90.00

47 Meter Standards @ 0.50 23.50

6 yd Ashes @ 3.00 18.00

613.80

66.22

999.05

150.00

10.00

90.00

23.50

18.00

6" walk

108.0

16.5

29.2

148.0

@ 0.43

= 63.64

Curb

342.40

346.70

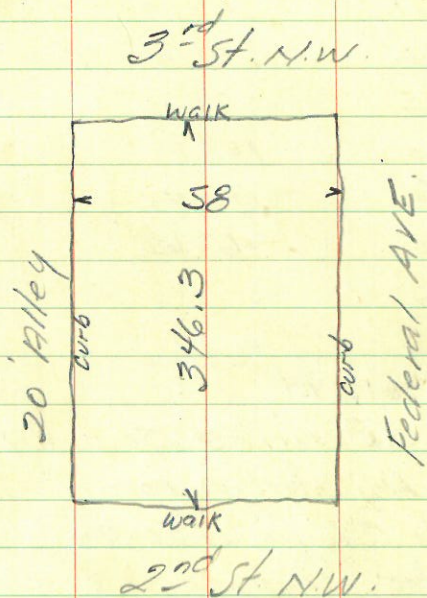
689.10

@ 1.45

= 999.05

CITY PARKING LOT

Black Top - Final Measurements



$$39.4 \text{ yds. } 346.3 \times 58 = \frac{20085.4}{9}$$

$$= \underline{2231.71} \text{ 39.4 yds.}$$

1.0-3.53

Bob
Don 61

SAN. SEWER
Betw. Dexter & Amherst
So. of Oxford Ave. N.E.

0+0 MH#1 6.15 inlet
6.22 outlet

0+27.5 I.P. N.E. corner Lot #
0+98 I.P.

2+58 MH#2 5.10 Deep

4+21 MH#3 4.85

4+28 I.P.

2+49 5th MH 10.8 ± W. of San.

10-10-53

Bob
Dan 62

10686

CONNECTICUT
AVE. S.E.
sidewalk, curb & gutter

Total Walk

5' x 3.3'

2.5' x 3.0'

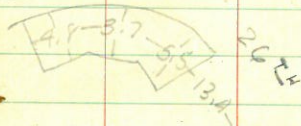
366.5 316.5' x 4'

2.5' x 2.5'

363.5 313.5' x 4'

5.5' x 4.8' x 3.7' x 13.4' see below

CONN.



curb & gutter

348.6

298.5' st. curb

31.5' circle at S.E. corner 27TH

26.5' circle at S.W. " 26TH

28.3' circle at N.W. " 27TH

343

299' st curb

19.8' circle curb at N.E. " 26TH

Cold
rain

Oct. - 24, 1953

Bob
Dan 68

Alley

Down spouts

2 Hsc N.E. corner Conn. 26TH

1 Hsc # 2620

1 Hsc # 2633

25TH ST. S.E. - Lincoln Way to
Curb & walk. Rhode Island
Finals for Estimate No. 1

Cloudy
muddy

11-21-53

Piper 164
Bob
Dan

12' Drive Corner

12' " Hse # 119 Dorchester & 125

10' " " # 129

12' " " # 133

12' " " # 141

10' " " # 147

15' " # 155 Grafton

12' " # 161

22' " Henry Shriber

10' " # 221 Jones

127

Total length 1161 Feet west side

10' Drive Hse # 206 Kaffenstein

264' Rhode Island to Connecticut

Curb Rad So. side Conn 28.0

" " N " " 25.0

" " N " Rhode 25.0

10' Drive Hse # 184 (Spangler)

12' " " # 174

12' " " # 164

332 to So Line axis walk

5' Drive Hse # 130

5' " " # 124 Ries

10' " " on Corner

Total 3325

Curb Rad = 21.7

72 x 5.8

4" walk

1161

264

332

332

2089 lin ft 4" wide

191 " " 6" "

1898 Total 4" x 4" wide = 7592 sq. ft.

7.7 x 5.8

45
7637 sq. ft. 4"

191 x 4 =

28 + 25 + 25 + 22

764 sq. ft. 6"

100 lin ft circle curb

Exis curb (circle) Removal

18 Lin ft.

LAWTON ST. S.E.
 Finals - Conc. curb gutter & walk

11-28-53

Piper
 Bublin
 Dan

0+00 walk Drive $\frac{20+22.5}{2} \times 5$ Cor. Hse
 0+03 curb 105 sq ft.
 2 drains

walk 4+86.5 Drive #770 Mapp.
 curb 6+30.5 $\frac{10.3+12.7}{2} \times 5$ 58 sq ft.

Drive walk only 12' Hse #760

West side

0+00 curb
 0+59 walk 1+08 Post

Drive #771 10'
 " #762 40'

6+27.5 walk
 6+25.5

$\frac{22+24}{2} \times 5$ #773 115 sq ft.

$\frac{11.0+13.2}{2} \times 5$ #783 58 sq ft.

$\frac{13.0+15.6}{2} \times 5$ Cor. Hse 70 sq ft.

Drains

1534 Walnut 2 drains

780 1

776 1

770 2

OLD RIVER CHANNEL
STM. SEWER
WEIRICH BLVD. - FEDERAL AVE. N.W.

B.M.	3.02	938.94		935.92	Hyd. e. Ohio Drilling
0+00			12.50	926.44	Top Pipe
0+50			6.6	932.3	
1+64 MH#1			4.63	934.31	920.66 FL
1+90			4.4	934.5	
MH in Walk near alley			4.15	934.79	
A0+25			4.9	934.0	
A1+25			5.3	933.6	
A2+25 Ex MH 3 RD			5.53	933.41	

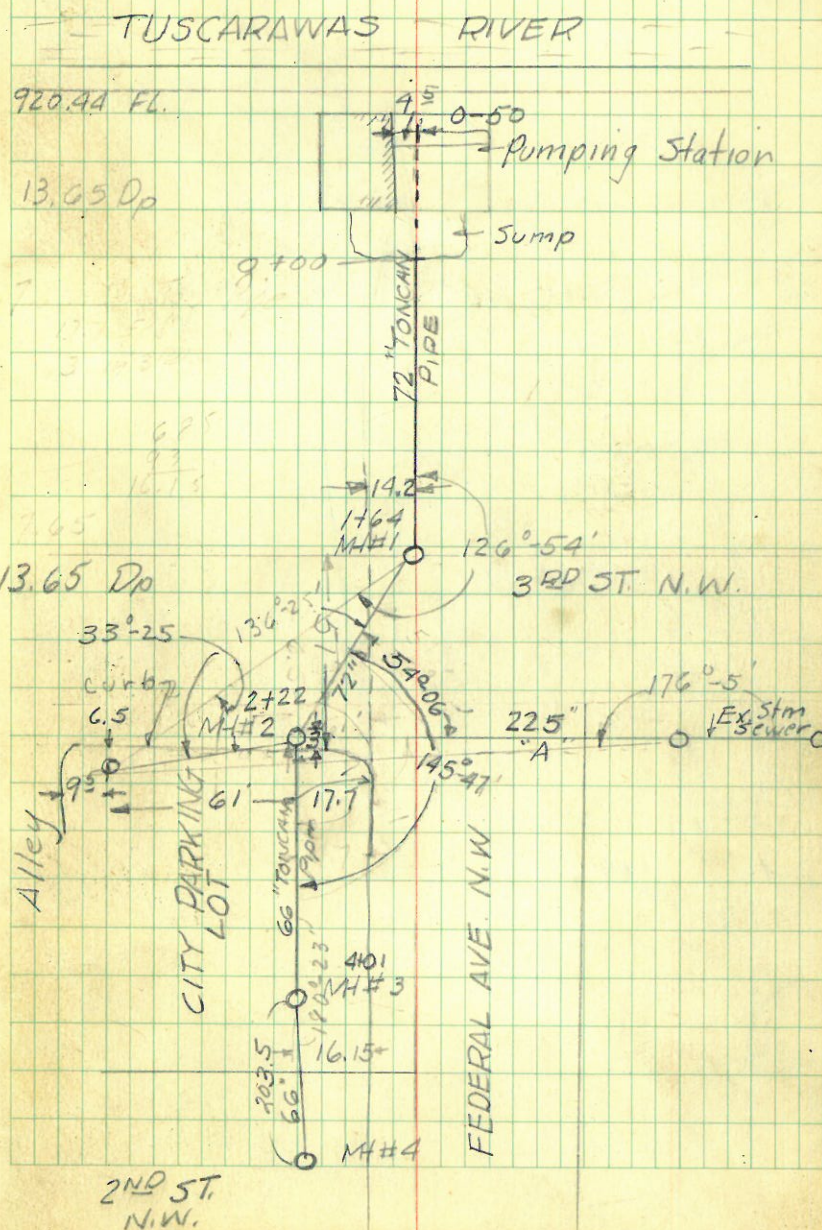
T.P.	3.36	938.15		934.79	
2+22 MH#2			4.01	934.14	920.49
2+72			5.1	933.0	
3+22			6.6	931.5	
8+72			7.5	930.6	
4+01 MH#3			7.93	930.32	

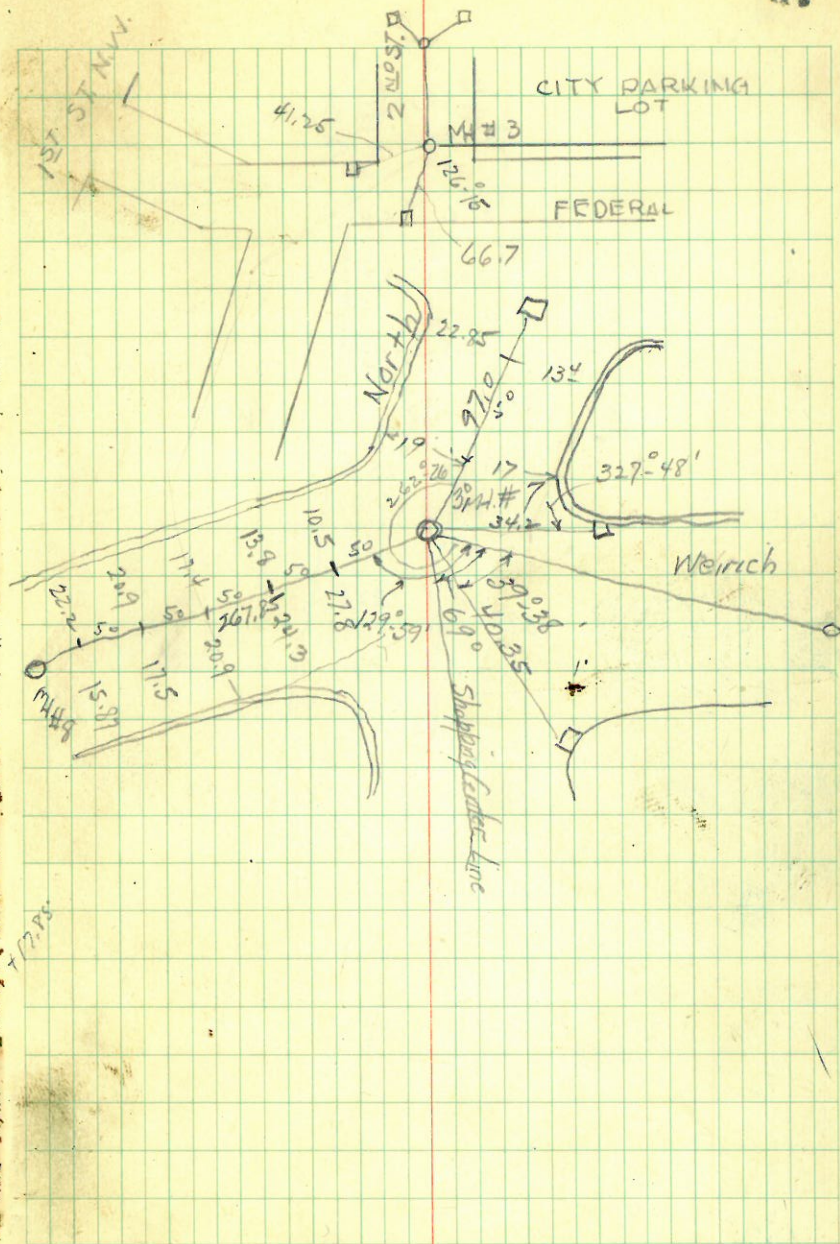
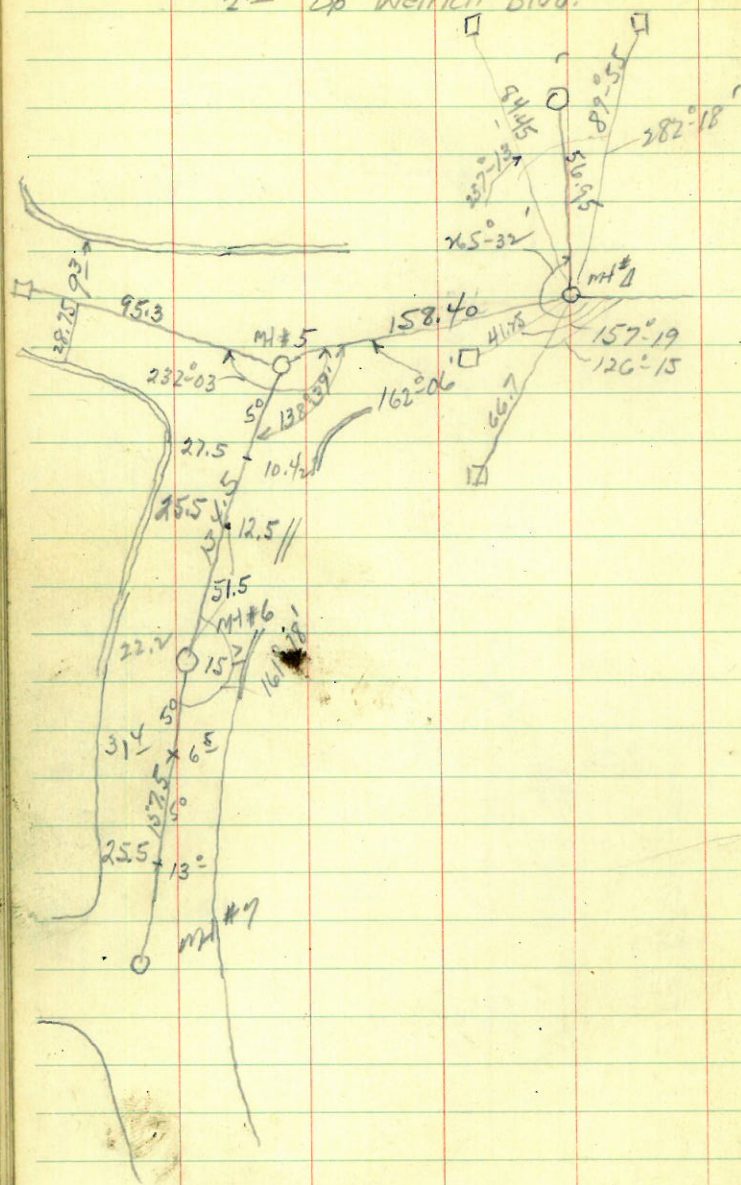
MH#4 6+04.5

Sunny
45°F.

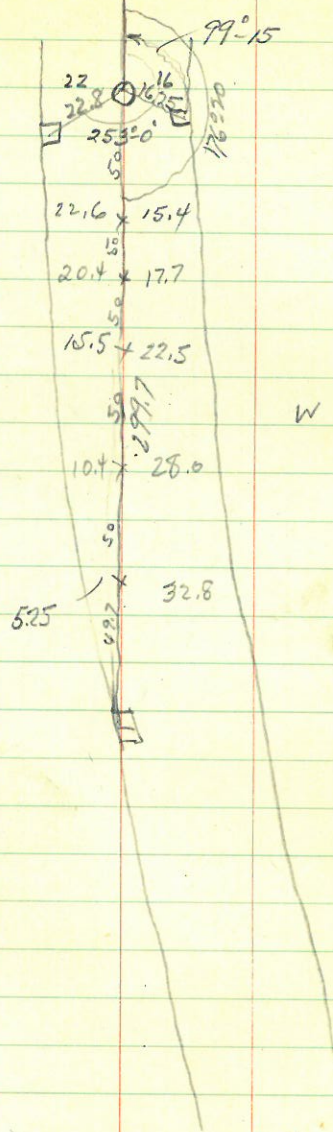
12-29-53

66
Dan
Bob





MH#8



68

25TH ST. S.E.
 Finals - Concrete Curb

West side

Radius	10.6	
End Rad.	0+06	
0+31	Drain	
0+68	Drain	
0+95	Drive	16 x 13.5 x 2.5
1+28	Drain	Hsc # 119
1+48	"	" "
1+76	Drive (2 Part)	(16 x 14 x 2.5) #125 & #119
2+64	Drive	13 x 10.5 x 2.5 Hsc # 129
2+85	Drive	15 x 13 x 2.5 Hsc # 133
3+87	Drain	
3+96	Drive	15 x 13 x 2.5 } Hsc
4+12	Drain	Hsc # 147
4+58	Drive	15 x 11 x 2.5 "
4+73	Drain	" 155 Grafton
5+26	"	" "
6+37	Drive	20 x 17 x 2.5 "
6+62	Drive	18 x 15 x 2.5 " 161
7+73	Drain	" 161
8+90	"	" 161
8+86	Drive	17 x 15 x 2.5 Cracked Striber
8+10	Drive	15 x 13 x 2.5 "
8+62	Drive	13 x 11 x 2.5 Jones
10+45	Drive	14 x 11 x 2.5 "
11+58	End of Curb	

6- -54

69

East Side

Radius	22.0	
End Rad.	0+10	
1+35	Drive	16 x 13 x 2.5 Corner Lot
2+40	Drive	13 x 11 x 2.5 Hsc # 130
4+49	Drain	"
3+33	End of Curb	
5+23	Start of Curb	
6+75	Drive	15 x 13 x 2.5 Hsc # 164
6+84	Drain	Hsc # 174
7+30	Drive	17 x 15 x 2.5 " # 174
8+49	Drain	
8+33	Drive	12 x 10 x 2.5 # 184
4+92	End Str. Curb	
Radius	25.2	
"	28.0	
9+54	Start of Straight Curb	
10+27	Drive	13 x 11 x 2.5 Hsc # 206
10+40	Drain	" "
11+22	"	" " 222
11+45	End R.	
24	Radius Rhode Island	

25TH ST. S.E.Finals Marsh to Wilson
W. side - Conc Curb & Walk

0+00 I.P. @ Fence N.E. Corner of Clements

0+24 Sidewalk begins

+35⁵ Curb begins

1+92 Drive & 15x2.5

2+63⁷ Drive & Hsc # 359 18.5x2.5{ +86⁹ " & " # 365 15x2.5

{ +96 Downspout " 365

+76 " # 359

2+21 " # 359

3+33 " Hsc # 365

4+52.7 N. end Curb Return @ Harold

4+63.8 End of walk

Rad. = 24.6

5+03 Beg. of Walk S. side Harold

5+13 Start of Curb " " "

Rad. = 25.0

5+30.7 Downspout Hsc # 505

5+41 " " # 505

5+74 & Drive " # 511 14x2.5

6+14 Downspout " # 511

6+26 & Drive " # 517 15.5x2.5

6+68 Downspout " " 517

6+91 & Drive " # 523 14x2.5

7+45 & " " # 529 16x2.5

7+91 Downspout " # 529

8+05 & Drive " # Corner $\frac{13.4 + 14.6}{2} = 14.5$

+59 End Curb

8+70 End of walk
26' Rad

7-13-54

Piper
Earl 70

East side

1+00 Start of walk

1+11 23' Rad. Curb

+45 Downspout Hsc # 346

2+27 " Hsc # 358

+68 & Drive " # 358 10.3x2.5

+75 Downspout " # 358

+90 & Drive " # 364 11.4x2.5

3+26 Downspout " # 364

+40 " " # 370

+79 " " # 370

+86 & Drive " # 370 11.3x2.5

4+49 End of Curb

4+60 " " Walk

26.5 Rad N.

4+99 Start of Walk

5+09.5 " " Curb

R 24.5 S. side

5+77 Downspout Hsc No. 510

6+10 & Drive " " 510 12x2.5

+18 Downspout " " 510

6+33 & Drive " " 520 11.3x2.5

+40 Downspout " " 520 } Perry

7+26 & Drive " " 524 11.0x2.5

+55 & Drive Corner 20.7x2.5

8+57 End Curb

+67 " Walk 25' Radius

27TH ST. N.W.
 Final San. Sewer
 North of Lincoln Way N.W.

0+00 Ex. MH on Brookfield Trunk

2+50^S MH #1 8.4 Op.

2+74 Lat E. 14' E. = x

2+92 " W. 13.5 W. = x

2+85 lot line west

3+46 Lat E. 15' E. Connected

3+60^S " W.

3+45 Lot line west 15' W = x

3+93 " " East

4+04 Lat. E. 15' E = x

4+06 Lot line W.

4+19 Lat. W. 19' W = x

4+51^S Lat. E. 15^S E = x

4+44 I.P.E.

4+72 Lat W. 21' W = x

4+99 MH #2 7.45 Op

5+07 Lat E. 15^S E = x

5+40 " W. 18' = x

5+72 " E. 16' = x

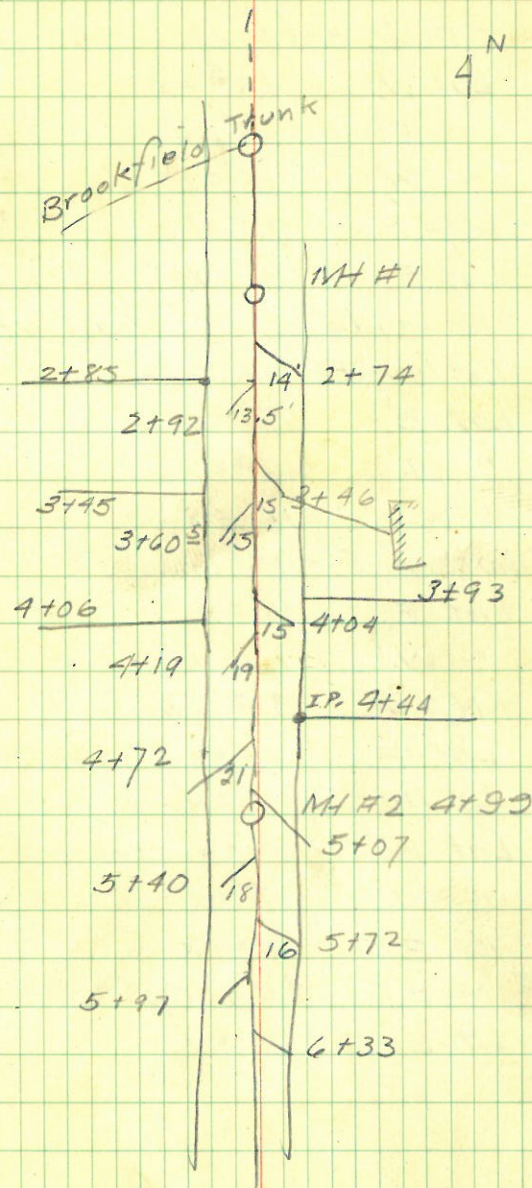
5+97 " W. 15' = x

6+33 " E. 16^S = x

Clear
 Hot 95°F

7-13-54

Rper
 Bob 71
 Encl



27th ST. N.W. (Cont.)
San Sewer

72

6+47	I.P. W end 60' Lots start 90' Lots
6+53	Lat. W. 13 ⁵ = x
6+88	" E. 17' = x
7+14	" W. 15' = x
7+24 ⁵	MH#3 7.8 Dp.
7+54	Lat E. 18' = x
7+63	No. side of 50' Road W.
8+01	Lot line E.
8+07	Lat. E. 15' = x
8+14	" W. 12 ⁵ = x
8+78	" W. 15' = x
8+92	Lot line E. - McCormick No line
9+06	Lat. E. 15' = x
9+35	" W. 16' = x
9+76 ⁵	MH#4 8.8' Dp.
10+10 ⁵	Lat. E. 13' = x Sabasco
9+94	No. line of Sabasco
10+49	Lat. W. 13' = x Connected-William
11+16	" W. 18' = x
11+43 ⁵	" E. 15' = x
12+50 ⁵	MH#5 7.95' Dp. Dead End MH
12+51	Lat. E. 4' = x

VIRGINIA ST. S.E.

Finals - Sanitary Sewer - Harsh North

7-22-54

Per
Bb 7:5
Earl

0+00 Exist. MH on Harsh

1+70 Lateral West

1+67 " East

2+28 " West

+ 88.5 " "

3+46

3+51 MH#1 8.55 deep to Flareline

3+89.5 1. Pin - S. Line Harold

6+13 Lateral E Connected

6+10 " W Connected

6+75.7 Dead End MH. 8.5 deep

6+82 Lateral W

+94.5 Lateral E Connected

650
37
613

STONER RD. N.E.
 Finals - Sidewalk Curb & gutter
 17th ST. EAST 700'

S. side

- 0+20 Sidewalk begins ^{Circle} Curb removed 16.0
 0+38⁵ Curb begins " Constr. 25.1
 1+13 Drive (House on corner) 15 x 17 x 4.5
 2+45 " " #1723 10.8 x 12.8 x 4.5
 1 Drain "
 3+02 Drive (Hsc #1727) ^{1 Drain} 9.9 x 11.0 x 4.5
 " (Hsc #1733) 11.5 x 12.7 x 4.5
 1 Drain
 3+95 Drive (Hsc #1743) 21 x 23 x 4.5
 3 Drains
 4+60 Drive (Hsc #1747) 11 x 13 x 4.5
 2 Drains
 5+35 Drive (Vacant Lot) 12 x 14 x 4.5
 1 Drain
 6+15 Drive (Hsc #1819) 12.8 x 14.8 x 4.5
 2 Drains
 7+05 End of Walk + curb

Cloudy
 warm

10-13-54

Piper 4
 Earl

Walks 1' off
 property line



N. side



Circle Curb Removed 4.0
 " " Const. 10.0
 Walk 6 x 4 x 2.0

- 0+25 walk begins
 0+11 straight curb begins
 1+60 Drive (Hsc #1716) 13.5 x 4.5
 2 Drains
 2+27 Drive (Hsc #1724) 13 x 4.5
 2 Drains
 3+45 Drive (Hsc #1730) 14 x 4.5
 1 Drain
 4+27 Drive (Hsc #1740) 13 x 4.5
 1 Drain
 4+82 Drive (Hsc #1744) 14 x 4.5
 1 Drain
 5+50 Drive (Hsc #1804) 13 x 4.5
 1 Drain
 6+10 Drive (Hsc #1812) 13 x 4.5
 1 Drain
 6+85 Drive (Hsc #1818) 14 x 4.5
 2 Drains

6+98 End of Curb + Walk

FRANKLIN RD. NE
Finale - Sidewalk, Curb & Gutter
Stoner Rd to Jefferson

West side

40.0 new curb Radius

0+19 Start of walk

0+37 " " Curb

1+75 Drive (Hsc # 818) 13 x 5.5

1 Drain

2+60 Drive (Hsc # 822) 13 x 5.5

2+75 Drive (Hsc # 828) 13 x 5.5

2 drains

3+85 Drive (Hsc # 836) 13 x 5.5

2 drains

4+60 Drive (Hsc # 842) 13 x 5.5

2 drains

5+25 Drive (Hsc # 848) 19 x 5.5

2 drains

6+54 End Straight Curb

6+70 " walk

Curb Rad. 47.6

curb Radius 47.6

Cloudy

Warm

10-13-54

Pipery
Earl 75

East side

Circle Curb Removed 14.0

" " Construct. 25.1

conc. block new 7 x 4

0+40 new curb begins

1+00 (corner House) 20 x 5.5

1 Drain

1+45 walk begins

1+65 Drive (Hsc # 819 Rch) 15 x 5.5

3 drains

2+60 Drive (Hsc # 827) 14 x 5.5

2 drains

3+15 Drive (Hsc # 833) 13 x 5.5

3 drains

4+05 Drive (Hsc # 837) 8 x 5.5

2 drains

4+10 Drive (Hsc # 843) 8 x 5.5

1 Drain

4+65 Drive (Hsc # 849) 11.5 x 5.5

2 drains

5+75 Drive (Hsc # 853) 13.5 x 5.5

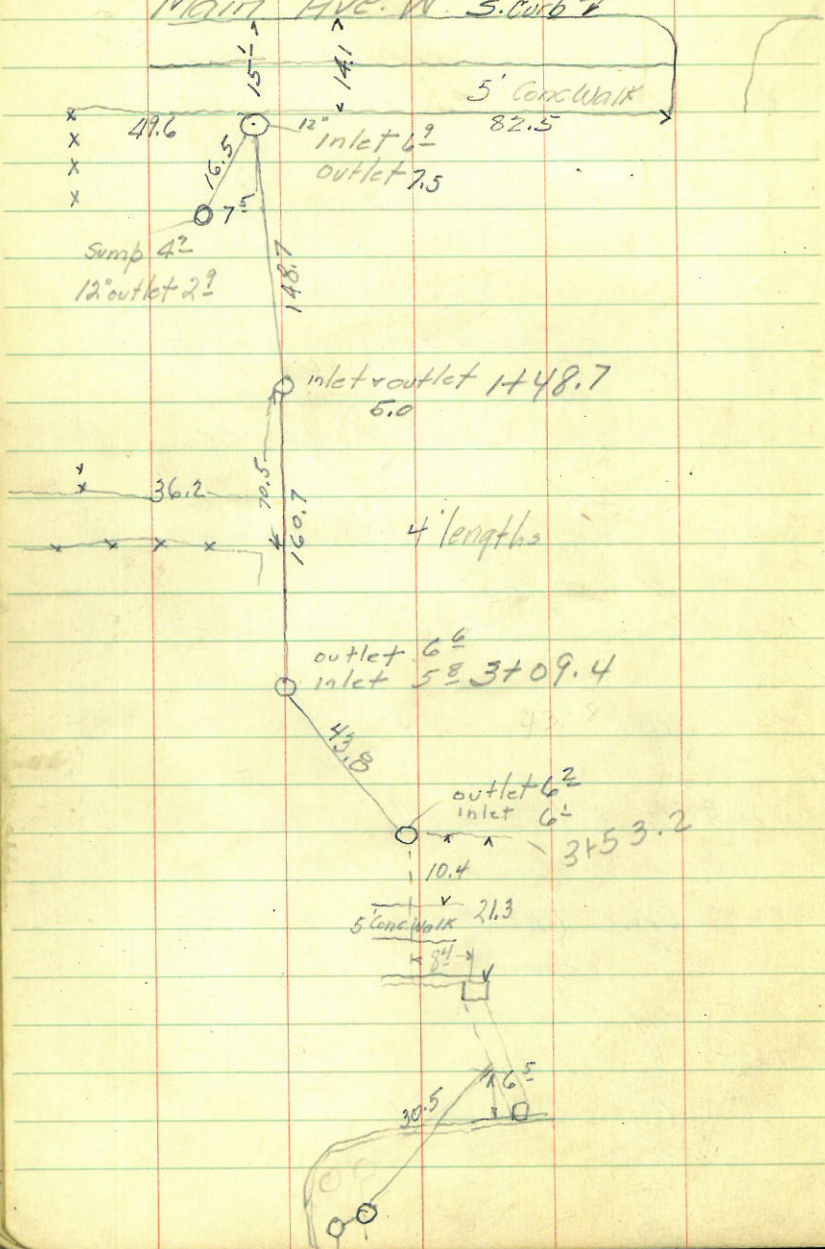
2 drains

7+15 end Straight curb

7+35 " walk

Circle curb 28.0

17th & WALNUT RD. SW.
Finals - Storm Sewer
Main Ave. W. S. curb &

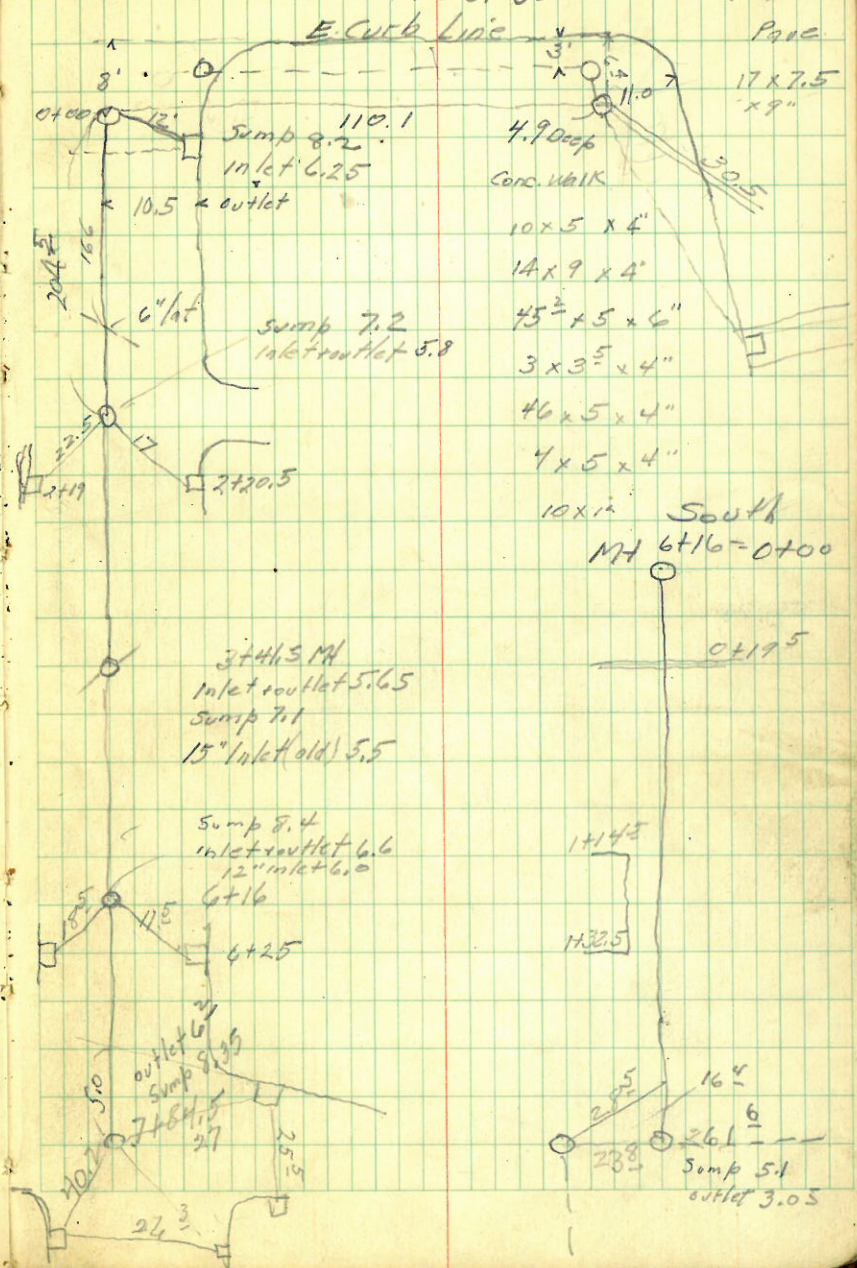


2-8-55

Piper 76

Dick
Miller (Inspector)

Pave. 10x15x9" 17th St. SW



10-13-54 Franklin Rd. N.E. Walk Finals 75 ✓

2-8-55 17th & Walnut Rd. S.W. Stm

Sewer Finals

76 ✓

11-15-52 12TH St. S.W. Curb/Gutter-Walk 47
 12-26-52 (29TH St. N.W.) Stm-San. Sewer 48
 HEMLOCK ST. N.W.
 12-30-52 Claremont Ave. N.W. San Sewer 50
 3-12-53 4TH St. N.W. San. Sewer 52
 3-21-53 16TH St. S.E. San. Sewer 53
 2- -53 MAYFLOWER ALLOT. Carver
 6-15-53 Standish-Grosvenor-Stm
 Sewer Finals & Profile 51-54-55
 6-17-53 MAYFLOWER ALLOT. Carver,
 Standish, Grosvenor-San
 Sewer Finals & Profile 56 to 59
 8-19-53 City Parking Lot Conc. Finals 60
 10-3-53 City Parking Lot Blacktop Finals 61
 10-10-53 Betw. Dexter & Amherst, So. of
 Oxford Ave. N.E. San Sewer Final 62
 10-24-53 Connecticut Ave. S.E. walk Curb 63
 11-21-53 25TH St. S.E. 1 in.-R.I. curbwalk 64-69
 11-28-53 Lawton St. S.E. -Curb + walk 65
 12-29-53 Old River Channel Stm. Sewer 66-68
 7-13-54 25TH St. S.E. Harsh-Wilson-Walk 70
 7-13-54 27TH St. N.W. San. Sewer Brook.
 field Trunk So. 71-72
 7-22-54 Virginia St. S.E. San. Sewer 73
 10-13-54 Stoner Rd. N.E. Sidewalk Finals 74

79
 6-19-50 OAK AVE SE. ^{and sidewalks} Stm. Sewer 21
 6-20-50 30TH ST. N.W. San. Sewer 22
 TUSC. RIVER CHANNEL 23
 9-19-50 LEWIS PL. N.E. San. Sewer Relay 24
 11-14-50 19TH ST. N.E. Curb, Gutter, Walks 25
 1-13-51 NOBLE PL. N.W. San. Sewer Finals 26
 1-13-51 ^{Dwight} EDWIN AVE S.E. Location San.
 M.H. Rear Hse Nos. 219-223 Finals 27
 4-26-51 Cherry Rd N.W. San Sewer Finals 28-30
 7-23-51 Erie St. No. San sewer ^{Finals} Via WARWICK 29
 7-26-51 STANTON AVE. N.W. San Sewer From
 Exist MH 195' W. of 23rd to 100' westerly 32
 10-22-51 14TH ST. N.W. North of Main Ave W
 San. Sewer Finals 33
 12-1-51 Bradford Ave. N.E. San Sewer 34
 12-3-51 Bradford Ave. N.E. St. Sewer 36
 3-14-52 Wetmore Conduit-St. Sewer Siphon
 bet Erie St S. & 1st St. S.W. 37
 3-14-52 North Sippo Park-Reg. Chamber 38
 6-23-52 Hall Ct. S.E. San. Sewer Finals 39
 7- -52 Lake Ave. N.E. Sidwalk & Curb Finals 40
 7- -52 Janice St. N.E. Curb & Gutter 41
 8-18-52 Bernard St. S.W. Walk & Curb 42
 10-16-52 Federal-Weirich-2ND St. N.W.
 Curb & Walk 44-46

Date	INDEX	Page
9-9-49	DUANE AVE N.W. From East end of St. To 23 rd St. N.W.	1-2 ✓
9-12-49	23 rd ST. N.W. From Duane Ave Northerly 673°	3-4 ✓
9-17-49	23 rd ST. N.W. From Duane Southerly 933°	5-6 ✓
9-14-49	COVENTRY + BURD RD. N.E. storm sewer via O.L. 364	7 ✓
9-14-49	OHIO AVE. N.E. San Sewer From North End Trunk 150° E.	8 ✓
9-22-49	23 rd ST. N.W. Trunk Sewer Finals	9 ✓
9-22-49	WOODRUFF AVE. N.W. Trunk Sewer	10 ✓
9-29-49	2 nd ST. S.W. Sidewalk & Curb	11 ✓
11-4-49	WARREN & OVERLOOK S.W. - STM. WATER SEWER	12 ✓
11-20-49	14 th ST. N.W. - STM. SEWER	13 ✓
11-22-49	ANDREW AVE. N.E. - FINALS ON CURB & SIDEWALK	14 ✓
11-28-49	27 th ST. N.W. - FINALS ON STM. SEWER	15 ✓
12-29-49	19 th ST. N.E. STM. Sewer at Lincoln Way N.E.	16 ✓
4-3-50	QBERLIN AVE + 9 th ST. S.W. San. Sewer	17-18-19 ✓
4-17-49	32 nd ST. N.W. San Sewer No. OF Lincoln Way N.W.	20 ✓

Depth 2.83 519° 12"
 Cor. 24° 96 90° 45°
 M.H. 0+0 = 14655 14° To Fence
 3.2 in 5° OFF " at Burd
 4.7 out 6° off
 2° Sump

IMPROVED TABLES AND INFORMATION