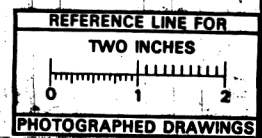
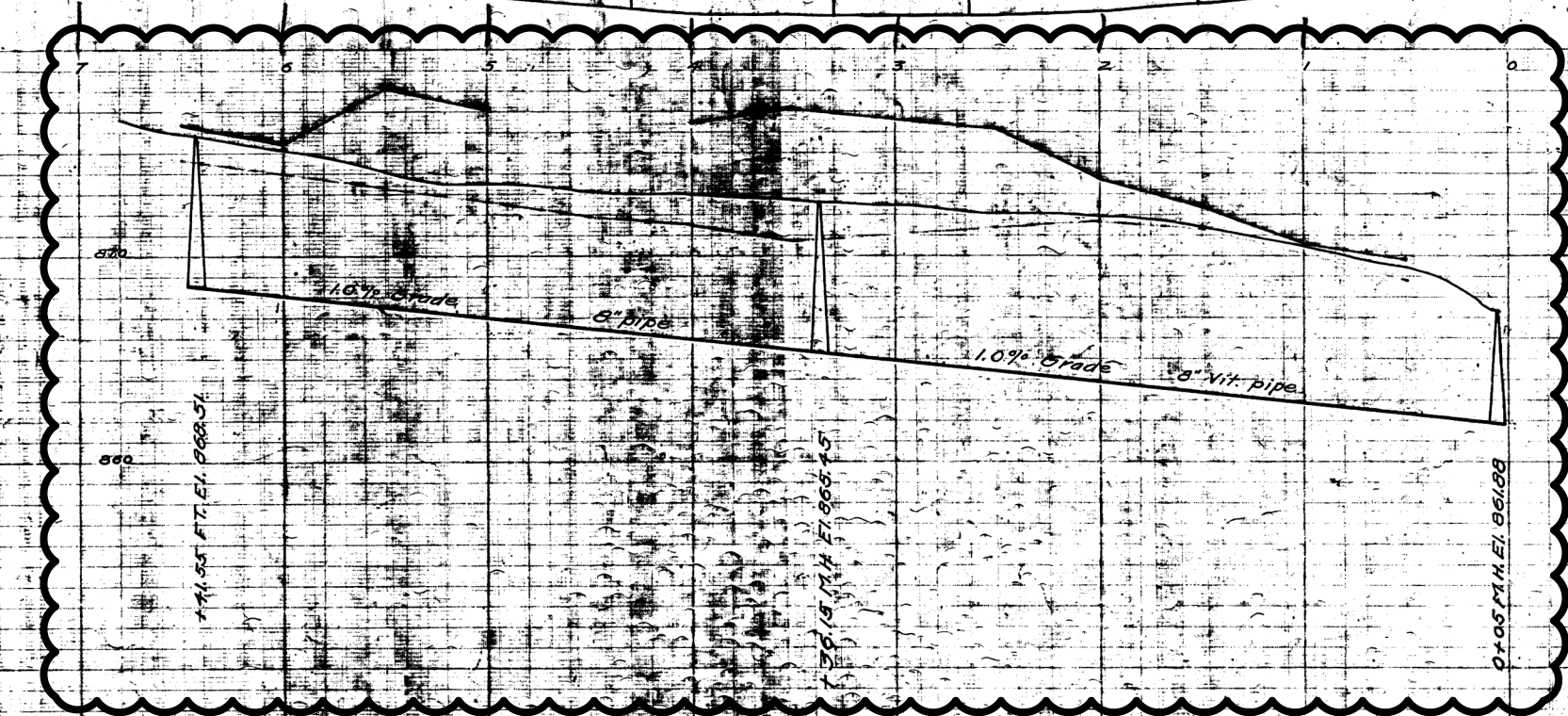
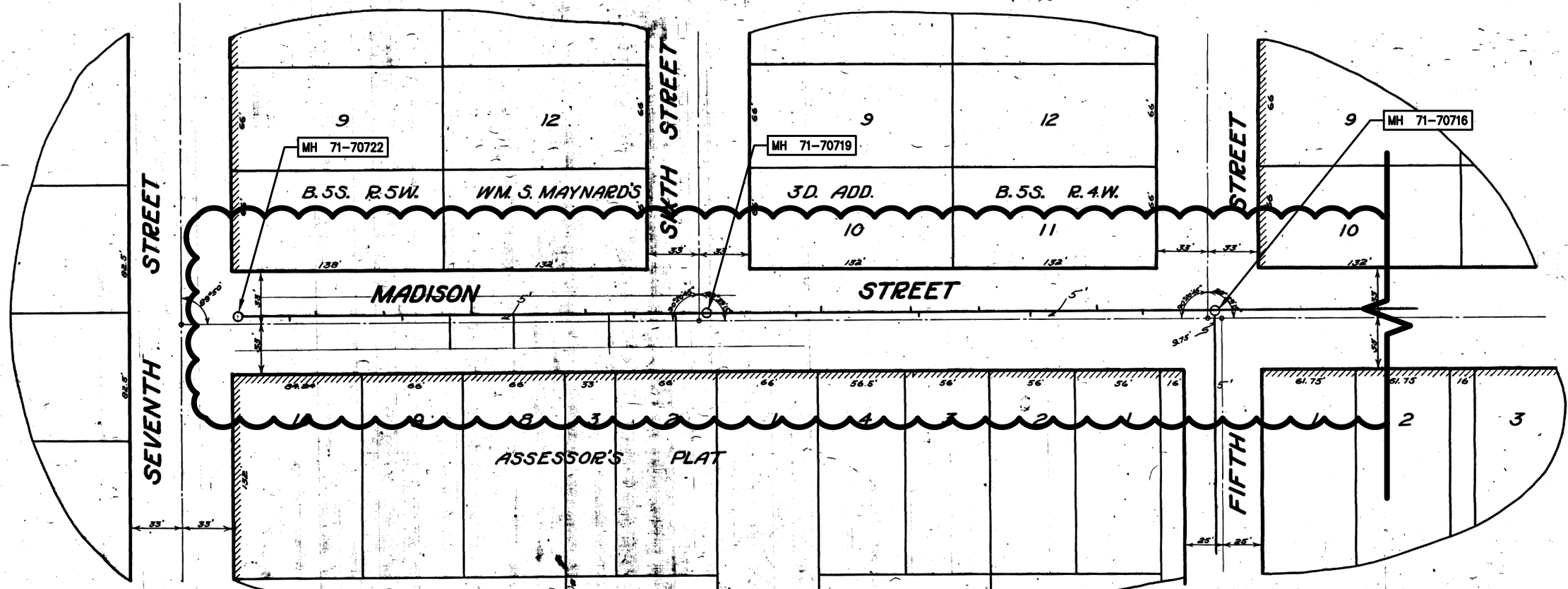


REV.	DATE	DRAWN	CHECKED

S:\Project Management\Design\2013019 2014 Sewer Lining Project\Plan Production\Primary\201301952.dwg Dwg Created: 5-Feb-14 - _o2 standard bw.stb - Plot Date: 29-Apr-14



MEASUREMENTS TO HOUSE CONNECTIONS

Fifth to Sixth	
0+00 - M.H. at 5th	
NORTH Y'S ONLY SOUTH	
77.7	45.8
156.2	120.0
198.8	193.0
257.0	273.0
Sixth to Seventh	
0+00 - M.H. at 6th	
75.2	205
154.0	126.0 - 167.5
211.0	153.0
253.7	272.0
275.3 L.H.	
280.3 FT.	

Digital Status
Scanned On: 3-31-04
By: DGM
Despatched: YN
Vectors:
O.C.R.:

<p>SHEET No. 20A INDEX No. 073 SHELF No. 0 SIZE C SUB No. 257</p> <p>Drawn by Traced by Person Checked by JH</p>	<p>CITY ENGINEER'S OFFICE ANN ARBOR, MICH. PLAN AND PROFILE OF SANITARY SEWER MADISON ST. SEVENTH ST TO FIFTH ST. Manley Osgood, City Engineer 1917 Scales - Plan 1" = 40' Profile Horizontal 1" = 4'</p>
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811
Know what's below.
Call Before you dig.

REV.	DESCRIPTION	DATE	DRAWN	CHECKED

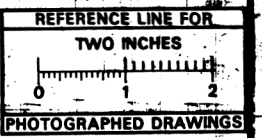
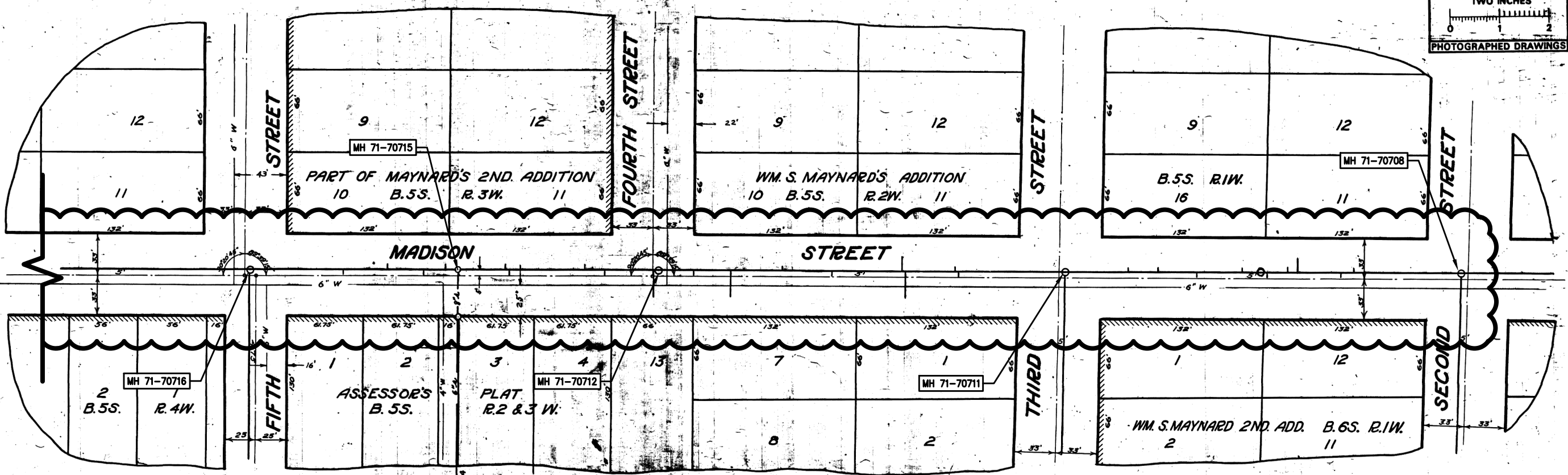
CITY OF ANN ARBOR
PUBLIC SERVICE
301 EAST HURON STREET
ANN ARBOR, MI 48102-3847
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CITY OF ANN ARBOR
WEST MADISON STREET PROJECT
1544 WEST MADISON STREET
ANN ARBOR, MI 48102-3847

PROJECT MANAGEMENT - PUBLIC SERVICES - CITY OF ANN ARBOR
2014 SEWER LINING PROJECT
WEST MADISON STREET
SANITARY SEWER

SCALE: NTS
DRAWING No. 2013019-21
SHEET No. 21 OF 51

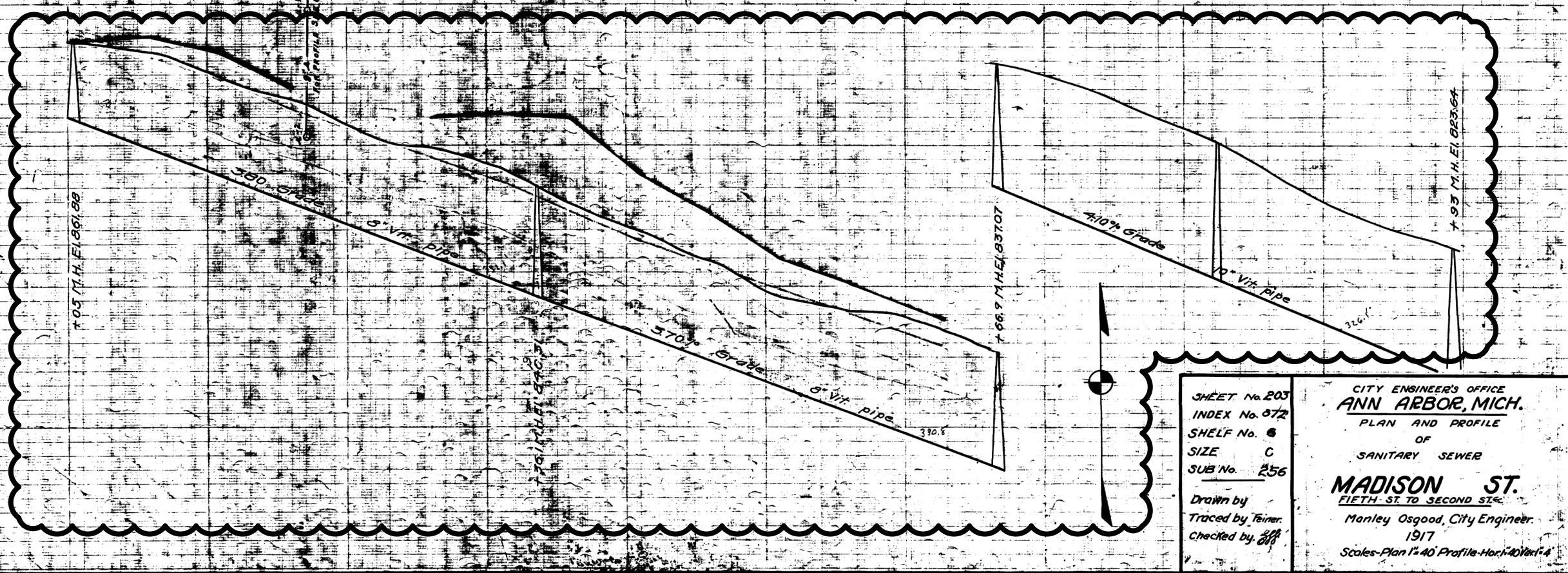
S:\Project Management\Design\2013019 2014 Sewer Lining Project\Plan Production\Primary\201301952.dwg Dwg Created: 5-Feb-14 - _o2 standard bw.stb - Plot Date: 29-Apr-14



MEASUREMENTS

HOUSE CONNECTIONS

Sta. 0 M.H. @ 2nd St.	350.0
140.7	350.0
133.25	157
177	162.5 M.H.
245	214
270	
321.8 M.H. @ 3rd St.	
Sta. 0 M.H. @ 3rd St.	37
89	128.5
132.5	199.5
220.5	252.0
	301.3
330.6 M.H. @ 4th St.	
Sta. 0 M.H. @ 4th St.	312.0
60	457
194.0	1228
173.4	1613
220.2	256.2
331.7 M.H. @ 5th St.	



SHEET No. 203
 INDEX No. 072
 SHELF No. 6
 SIZE C
 SUB No. 256

Drawn by
 Traced by Feiner
 Checked by *[Signature]*

CITY ENGINEER'S OFFICE
ANN ARBOR, MICH.
 PLAN AND PROFILE
 OF
 SANITARY SEWER
MADISON ST.
 FIFTH ST. TO SECOND ST.
 Manley Osgood, City Engineer.
 1917
 Scales - Plan 1" = 40' Profile - Horizontal 1" = 4'

Digital Status
 Scanned On: 8-31-04
 By: DSGK
 Despatched: Ym
 Vector:
 O.C.R.:

811 Know what's below. Call before you dig.

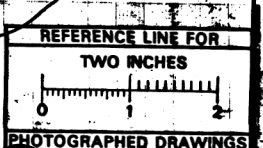
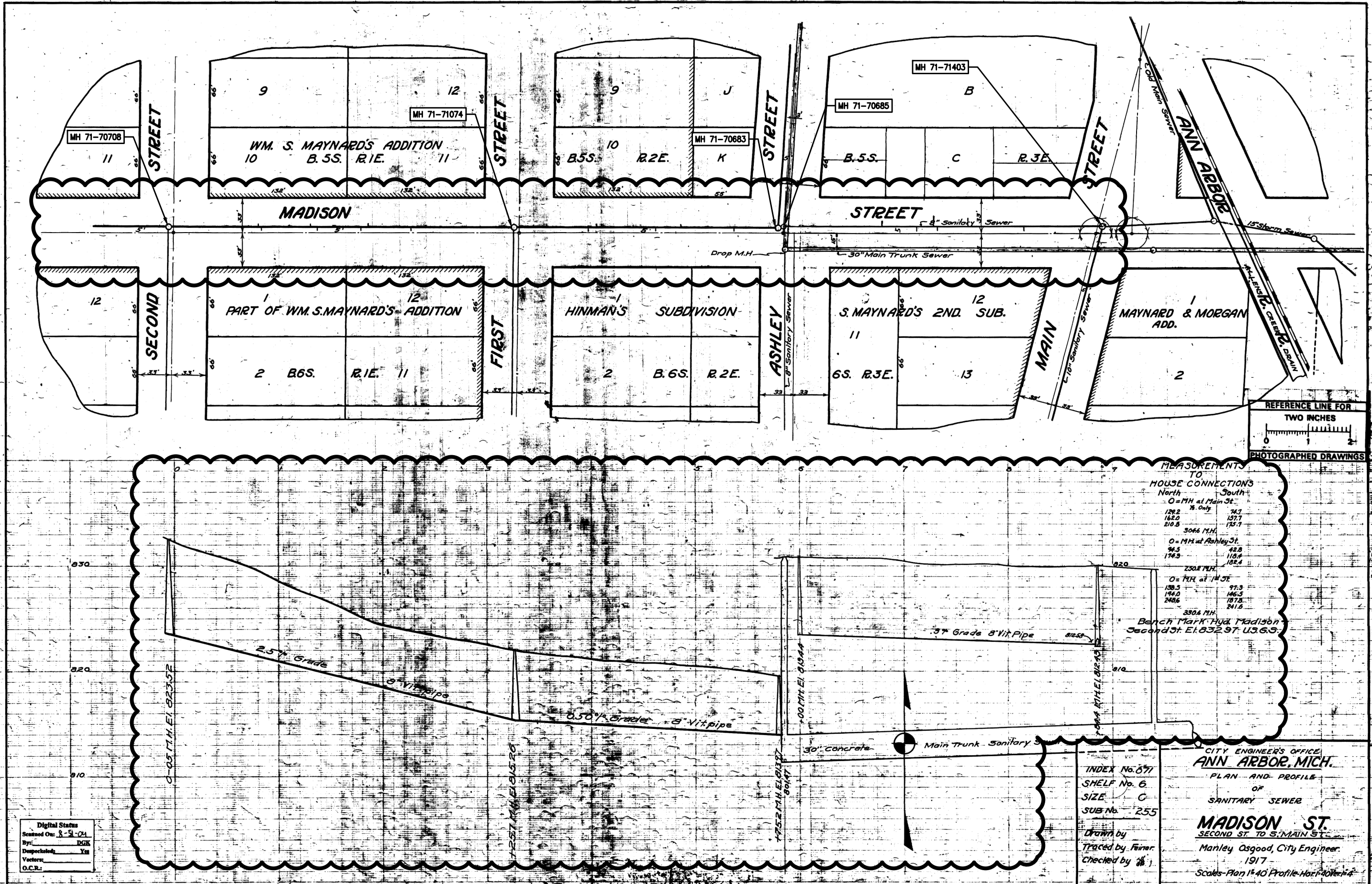
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 2014 SEWER LINING PROJECT
 WEST MADISON STREET
 SANITARY SEWER

SCALE: HORIZONTAL 1" = 40' VERTICAL 1" = 4'
 DRAWING No. 2013019-22
 SHEET No. 22 OF 51

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MEASUREMENTS TO HOUSE CONNECTIONS

North	South
129.2	34.7
162.0	137.7
210.5	135.7
3066 M.H.	
0 = MH at Ashley St.	
94.5	42.8
174.3	110.4
	132.4
2502 M.H.	
0 = MH at 1st St.	
130.5	97.3
194.0	146.5
248.6	187.5
	241.5
3506 M.H.	
Bench Mark Hyd. Madison Second St. El. 832.97 U.S.G.S.	

Digital Status
 Scanned On: 8-5-04
 By: DGE
 Despatched: Yes
 Vectors:
 O.C.R.:

INDEX No. 671
 SHELF No. 6
 SIZE C
 SUB No. 255
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 Checked by

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ANN ARBOR, MICH.
 PLAN AND PROFILE
 OF
 SANITARY SEWER
MADISON ST.
 SECOND ST. TO S. MAIN ST.
 Manley Osgood, City Engineer.
 1917
 Scales - Plan 1"=40' Profile Horizontal 1"=4'

811 Know what's below. Call before you dig.

REV.	DESCRIPTION	DATE	DRAWN	CHECKED

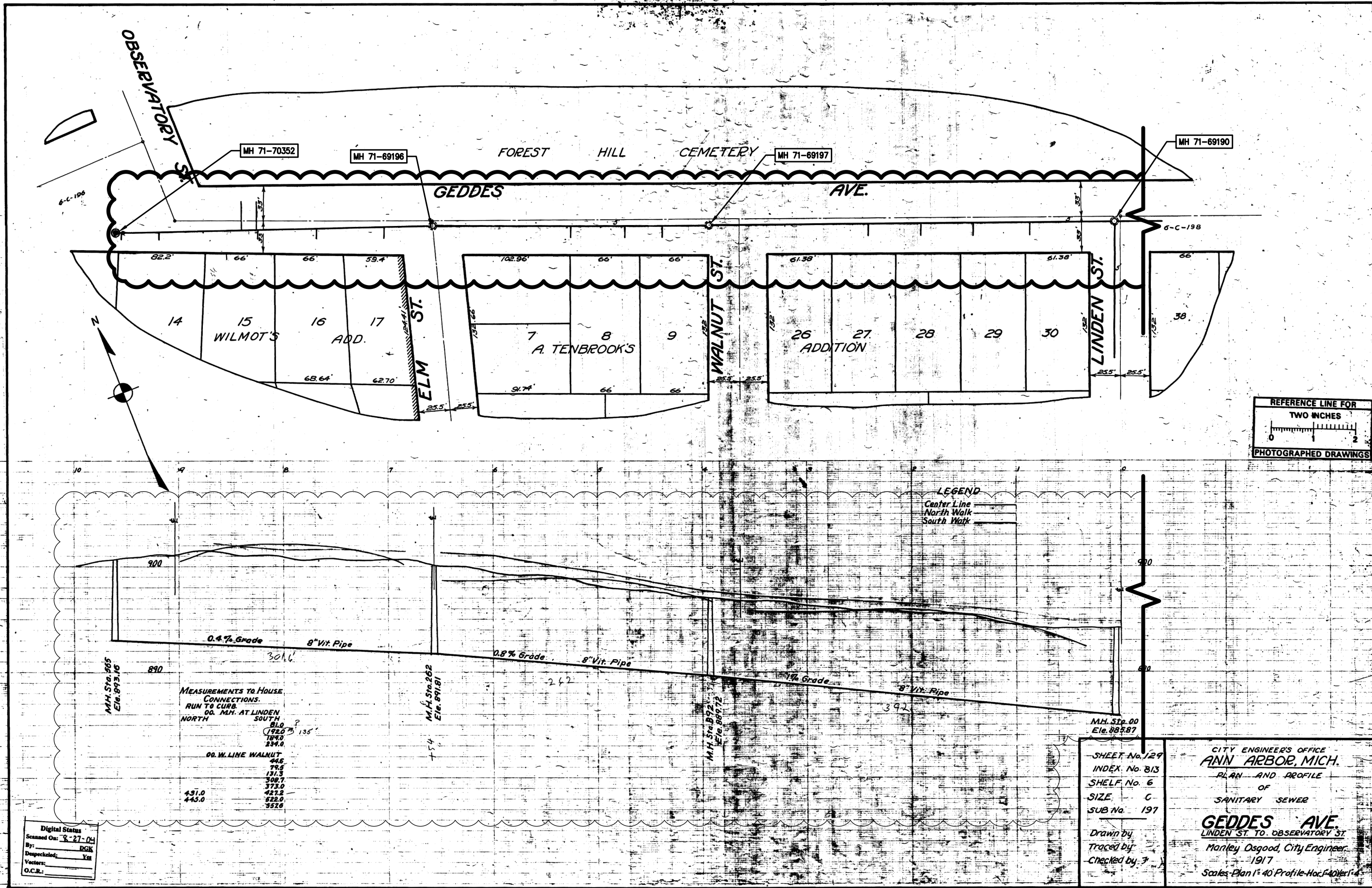
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 ANN ARBOR, MI 48102-3687
 WWW.A2gov.org

ANN ARBOR MICH

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 2014 SEWER LINING PROJECT
 WEST MADISON STREET
 SANITARY SEWER

SCALE: NTS
 DRAWING No. 2013019-23
 SHEET No. 23 OF 51

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MEASUREMENTS TO HOUSE CONNECTIONS RUN TO CURB OO. MH. AT LINDEN

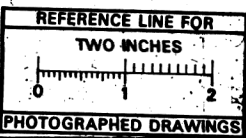
NORTH	81.0	135'
	184.0	
	234.0	
OO. W. LINE WALNUT	44.5	
	79.5	
	131.3	
	190.7	
	273.0	
	427.2	
431.0	622.0	
445.0	852.0	

SHEET No. 129
 INDEX No. 813
 SHELF No. 6
 SIZE C
 SUB No. 197

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 Checked by 3

CITY ENGINEERS OFFICE
ANN ARBOR, MICH.
 PLAN AND PROFILE
 OF
 SANITARY SEWER
GEDDES AVE.
 LINDEN ST. TO OBSERVATORY ST.
 Marley Dsgood, City Engineer
 1917
 Scales Plan 1" = 40' Profile Hor. 1" = 40' Vert. 1" = 4'

Digital Status
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 By: DGK
 Despeckled: Yes
 Vectors: Yes
 O.C.R.:



LEGEND
 Center Line
 North Walk
 South Walk

811
 Know what's below. Call before you dig.

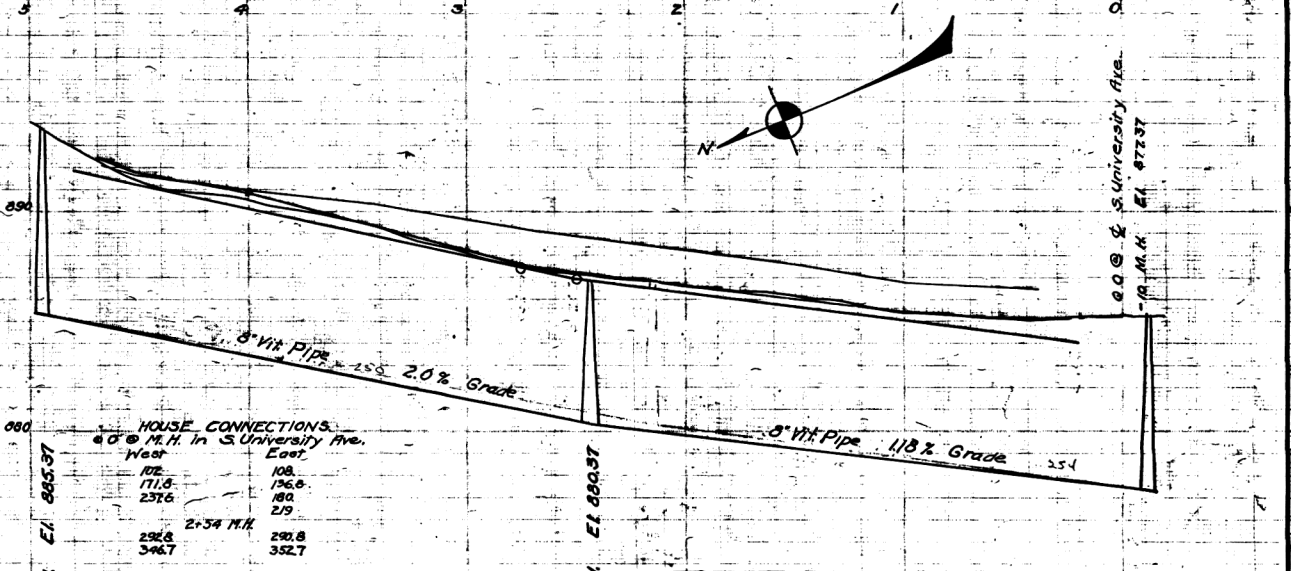
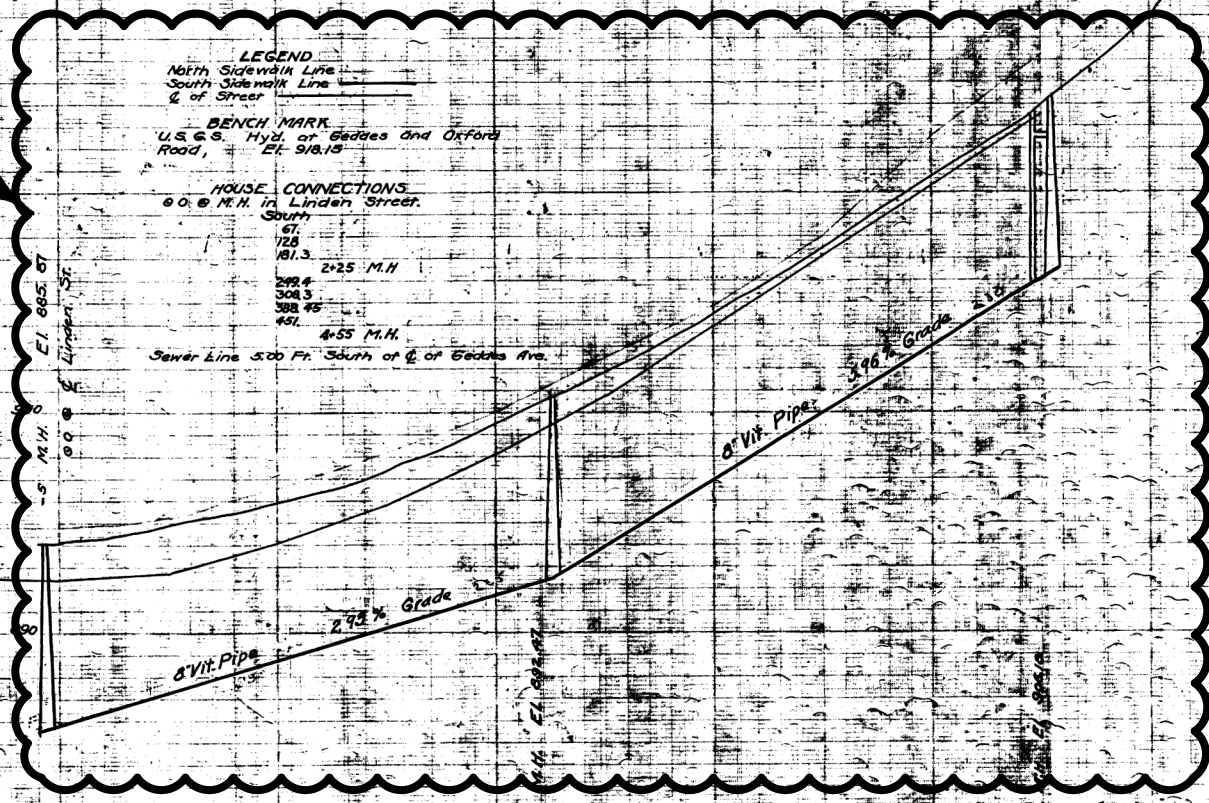
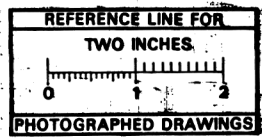
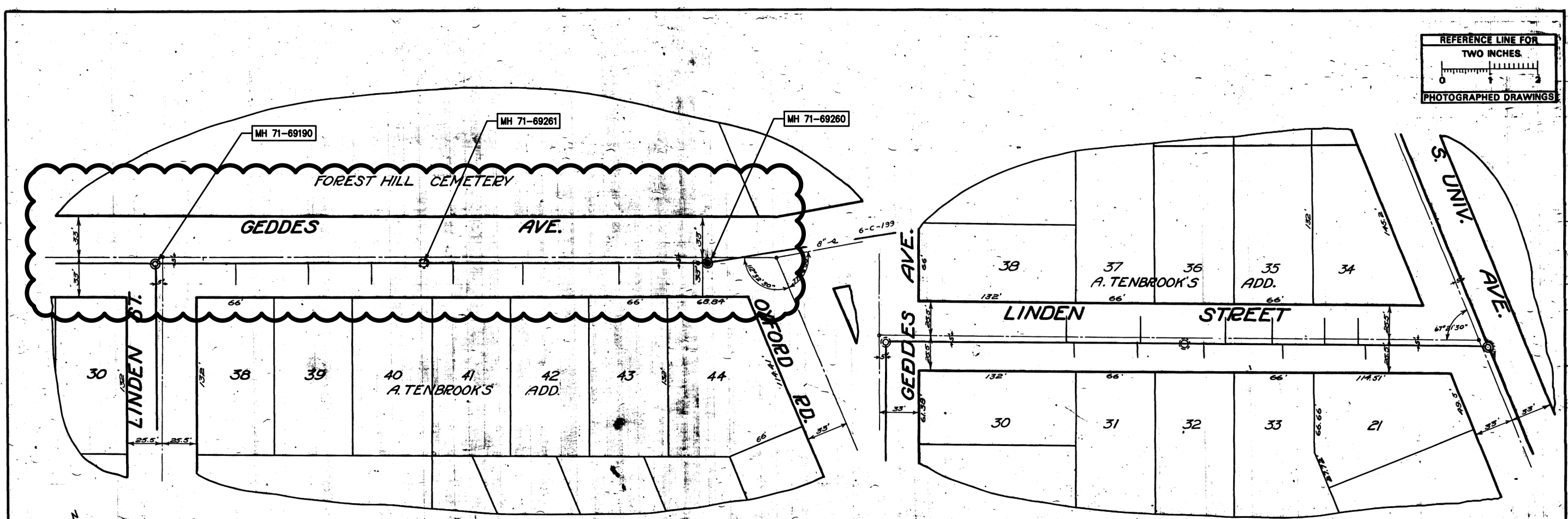
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 2014 SEWER LINING PROJECT
 GEDDES AVENUE
 SANITARY SEWER

SCALE: NTS
 DRAWING No. 2013019-24
 SHEET No. 24 OF 51

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SHEET No. 130
 INDEX No. 814
 SHELF No. 6
 SIZE C
 SUB No. 19B

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 PLAN AND PROFILE
 OF
SANITARY SEWERS
GEDDES AVE.
 LINDEN ST. TO OXFORD RD.
LINDEN ST.
 GEDDES AVE. TO S. UNIV. AVE.
 Manley Osgood, City Engineer
 1917
 Scales: Plan 1"=40' Profile Horizontal 1"=10'

PROJECT MANAGEMENT - PUBLIC SERVICES - CITY OF ANN ARBOR
 2014 SEWER LINING PROJECT
 GEDDES AVENUE
 SANITARY SEWER

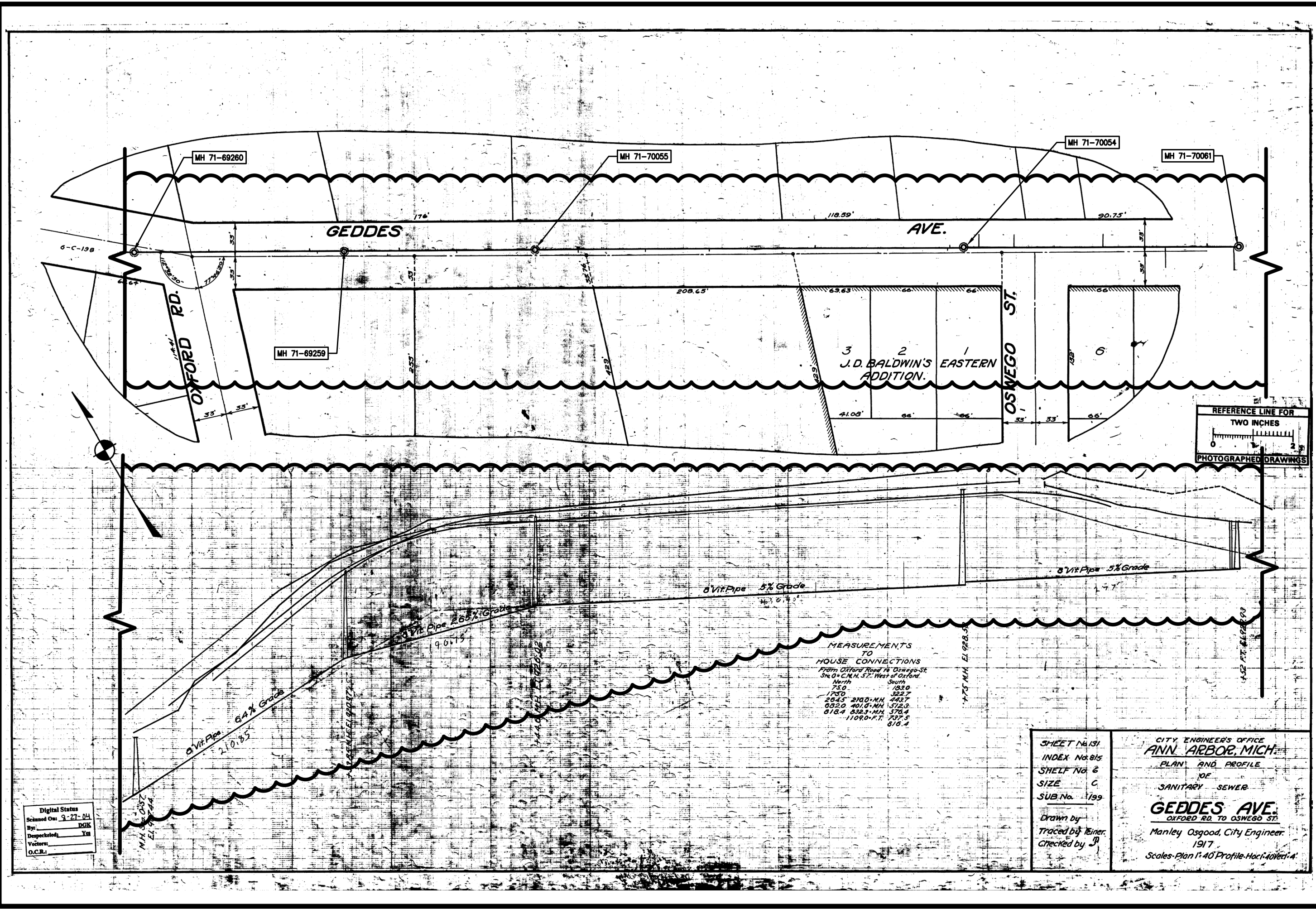
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 DRAWING No.
 2013019-25

REV.	DESCRIPTION	DATE	DRAWN	CHECKED

SHEET No.
 25 OF 51

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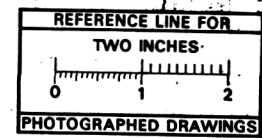
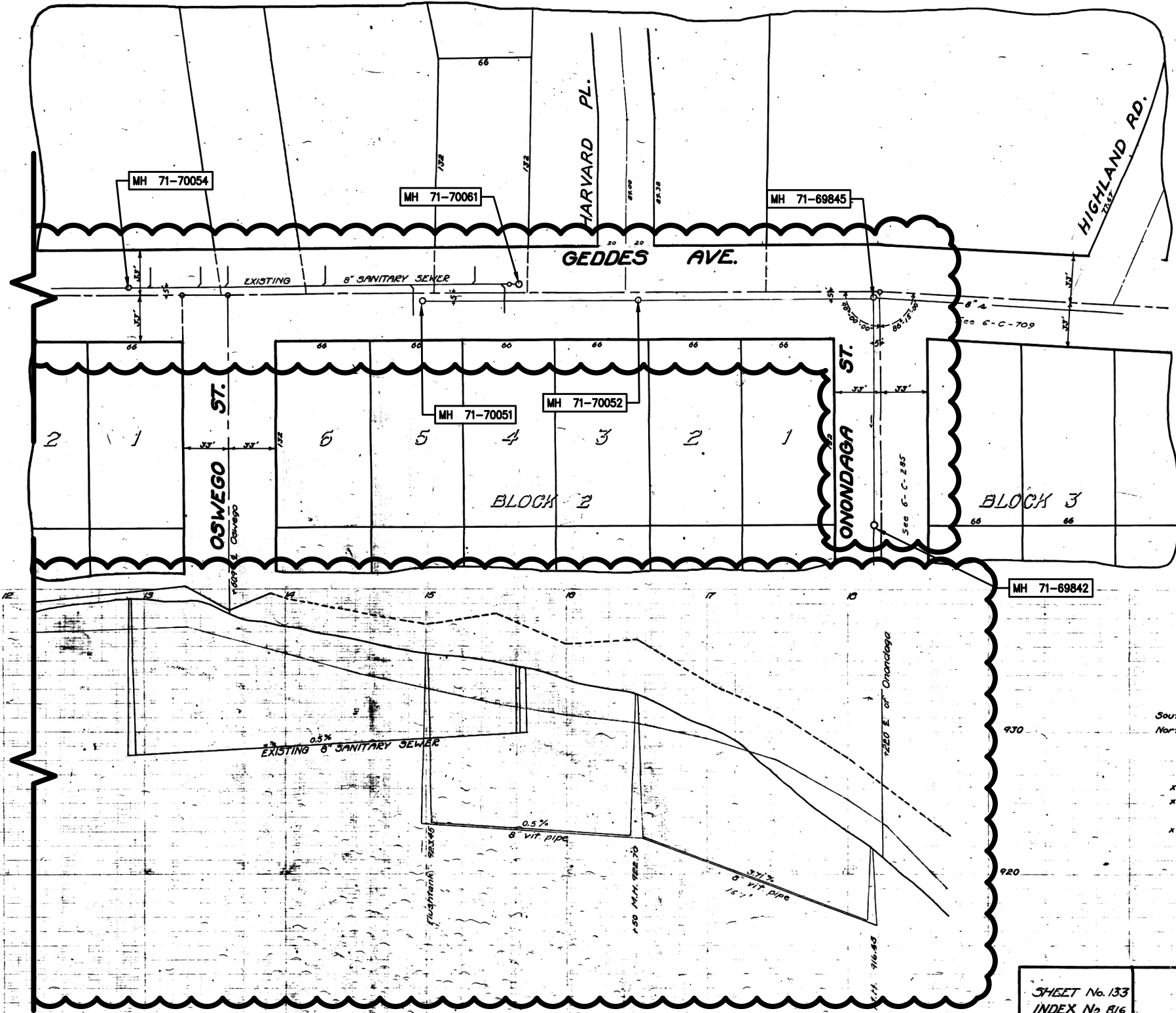


Digital Status
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 By: DGK
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 Vectors:
 O.C.R.:

SHEET No. 131 INDEX No. 815 SHELF No. 6 SIZE C SUB. No. 199 Drawn by Traced by: J.Einer. Checked by: J	CITY ENGINEER'S OFFICE ANN ARBOR, MICH. PLAN AND PROFILE OF SANITARY SEWER GEDDES AVE. OXFORD RD. TO OSWEGO ST. Manley Osgood, City Engineer. 1917 Scales-Plan 1"=40' Profile-Horiz. 40' Vert. 4"
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	SHEET No. 26 OF 51 DRAWING No. 2013019-26

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- LEGEND**
- South Walk
 - North Walk
- Bench Marks (U.S.G.S.)**
- x of Geddes and Walnut Hyd. 897.88
 - x of " " Oxford " 918.15
 - x of " at Millen's House " 938.31
 - x of " and Oswego " 940.66
 - x of " W. of Onondaga " 930.16


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Scanned On: 8-27-04
By: DGK
Despeckled: Yes
Vectors:
O.C.R.:

SHEET No. 133
INDEX No. 816
SHELF No. 6
SIZE C
SUB No. 200

CITY ENGINEER'S OFFICE
ANN ARBOR, MICH.
PLAN AND PROFILE
OF
SANITARY SEWER
DISTRICT No. 75
GEDDES AVENUE
FROM ONONDAGA ST. TO OSWEGO ST.
Manley Osgood, City Engineer.

Drawn by
Traced by W.B.R.
Checked by

Scale: Plan 1"=40', Profile 1"=20', Vert. 1"=4'
Three Sheets Sheet No. 3



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2014 SEWER LINING PROJECT
GEDDES AVENUE
SANITARY SEWER

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DRAWING No. 2013019-27
SHEET No. 27 OF 51




PROJECT MANAGEMENT - PUBLIC SERVICES - CITY OF ANN ARBOR

2014 SEWER LINING PROJECT
PEPPER PIKE ROAD CROSS LOTS
(GREEN ROAD - NORTH BRANCH)
SANITARY SEWER

SCALE: NTS

DRAWING No. 2013019-28A


SHEET No. 28A OF 51



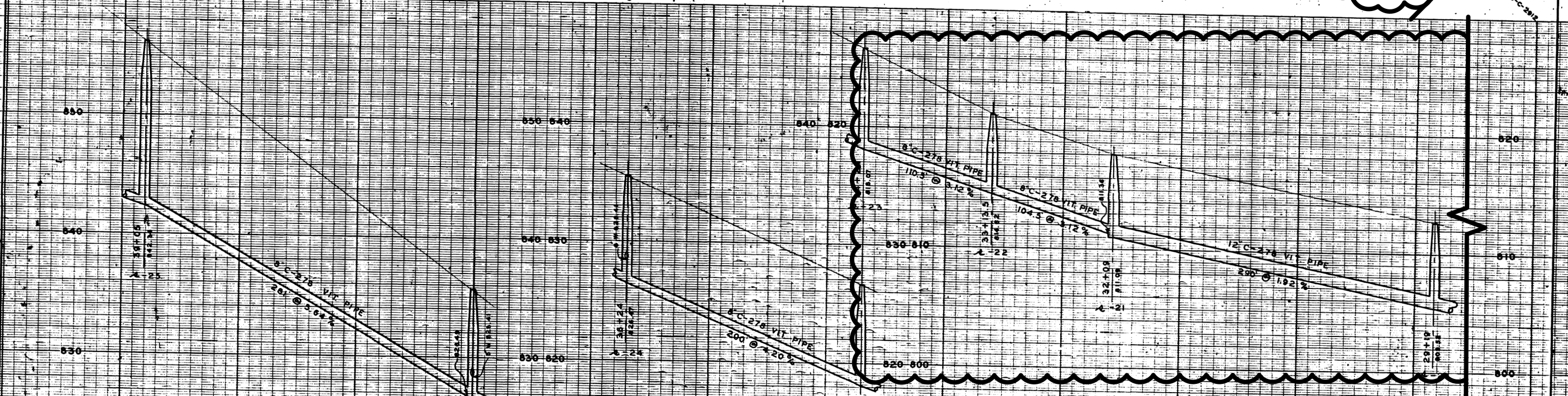
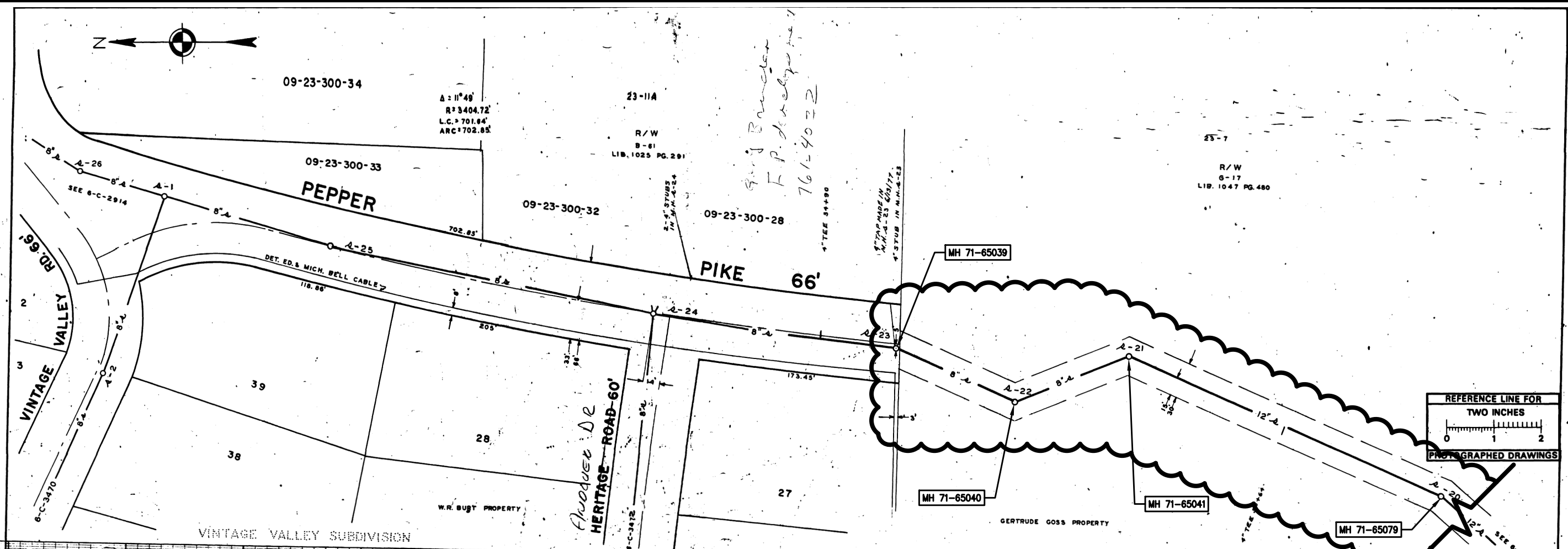
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LEGEND: UNDERGROUND UTILITIES PROFILES EXISTING SANITARY PROPOSED SANITARY EXISTING STORM PROPOSED STORM EXISTING GAS EXISTING WATER CENTER LINE LEFT PROPERTY LINE RIGHT PROPERTY LINE		REFERENCES: BENCH MARK CITY NO. 76-891.38 DRAWINGS 6-C-2993 PROFILES BY BK. 367 PG. 20 & 50 M.P.S. FIELD BOOK BK. 829 PG. 40, 54, 58 CITY		DATE SHEET NO. 8/83 INDEX NO. 4956 TR. BY SHELF NO. CHRY. C.J.W. 8/83 REVISIONS AS BUILT L.F.S. 8/84 C.F.S. - 85 SCALE: HORIZONTAL 1" = 40' VERTICAL 1" = 4' M.D.H. PERMIT NO. 23447 9/13/83		SANITARY SEWER GREEN ROAD NORTH BRANCH PUBLIC WORKS DEPARTMENT - ANN ARBOR, MICHIGAN SUPERINTENDENT OF PUBLIC WORKS JOB 2968 DIST. 369 SANITARY JOB DIST. JOB DIST. PREPARED BY M'NAMEE, PORTER AND SEECEY APPROVED BY	
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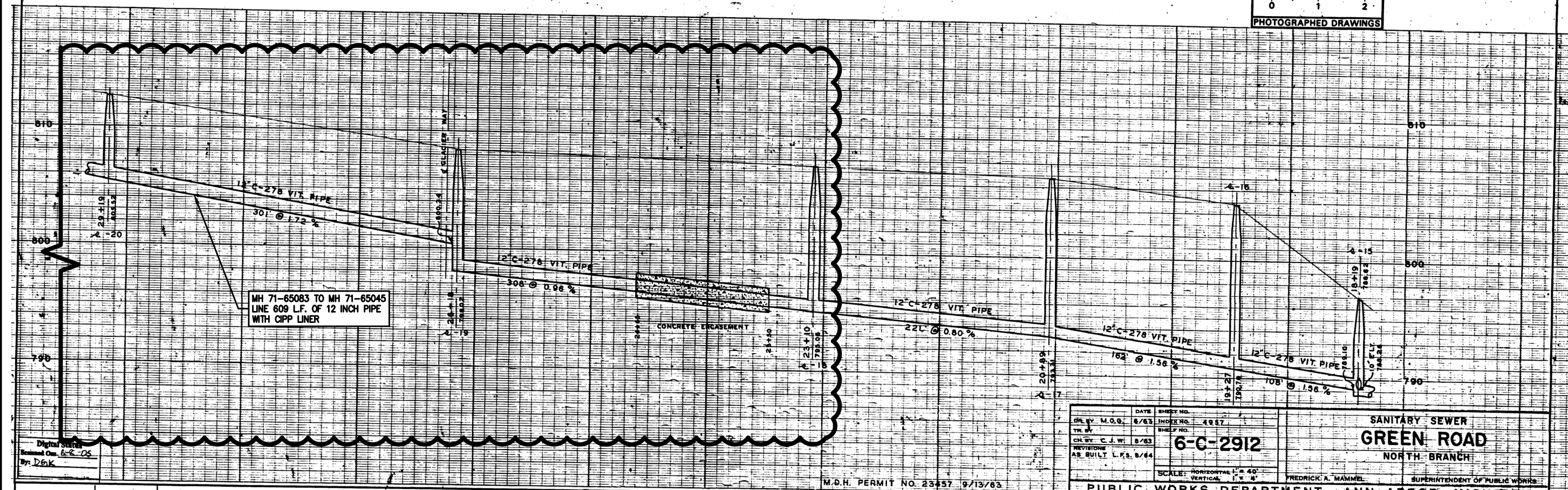
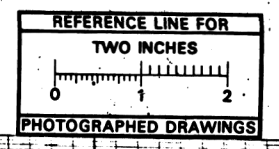
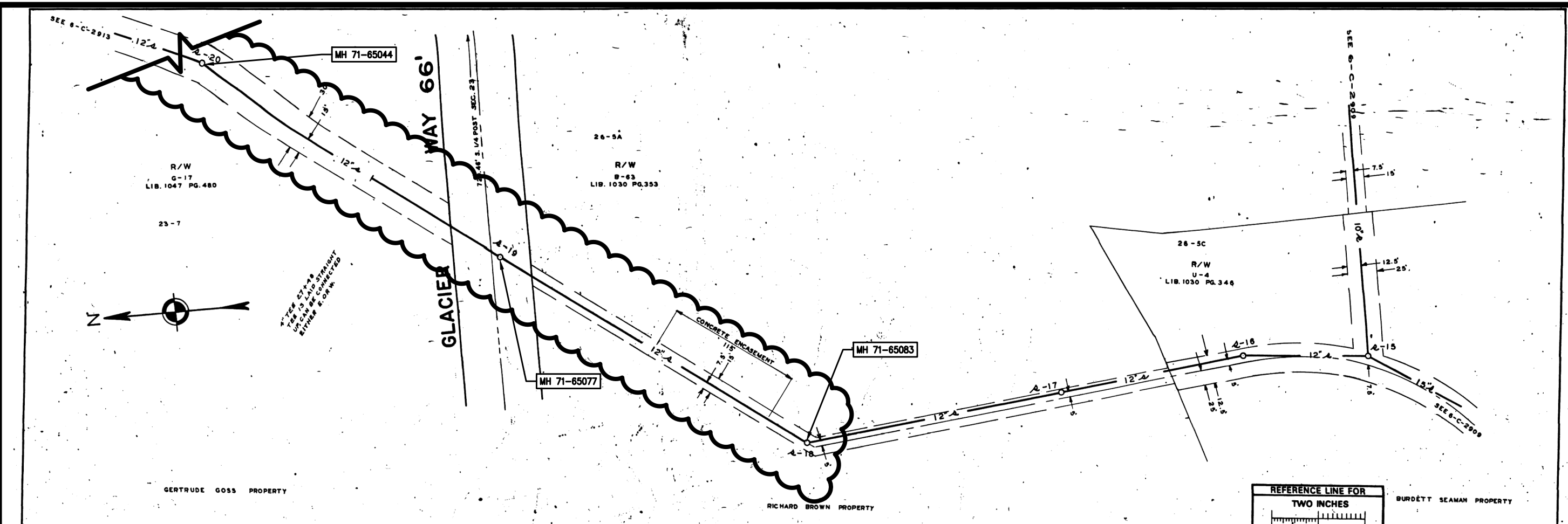
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PROJECT MANAGEMENT - PUBLIC SERVICES - CITY OF ANN ARBOR
 2014 SEWER LINING PROJECT
 PEPPER PIKE ROAD CROSS LOTS
 SANITARY SEWER

SCALE: HORIZONTAL 1" = 40'
 VERTICAL 1" = 4'

DRAWING NO. 2013019-28
 SHEET NO. 28 OF 51

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Digital Station
 Stationed On: 6-C-292
 By: Dmk

M.D.H. PERMIT NO. 23457 9/13/63

DATE	6/63	SHEET NO.	4957
DR. BY	M.O.G.	INDEX NO.	
TR. BY	C.J.W.	SHEET NO.	
CH. BY	C.J.W.	8/63	
REVISIONS	AS BUILT L.F.S. 8/64		
SCALE: HORIZONTAL 1" = 40'		FREDRICK A. MÄMMEL SUPERINTENDENT OF PUBLIC WORKS	
SCALE: VERTICAL 1" = 4'			
6-C-2912			
SANITARY SEWER GREEN ROAD NORTH BRANCH			
PUBLIC WORKS DEPARTMENT - ANN ARBOR, MICHIGAN			
JOB	2968	DIST.	369
JOB		DIST.	
JOB		DIST.	
JOB		DIST.	
PREPARED BY NAMEE, PORTER AND SEELEY			
APPROVED BY			

LEGEND:	
UNDERSGROUND UTILITIES	EXISTING SANITARY
PROFILES	PROPOSED SANITARY
	EXISTING STORM
	PROPOSED STORM
	EXISTING GAS
	EXISTING WATER
	CENTER LINE
	RIGHT PROPERTY LINE
	LEFT PROPERTY LINE

REFERENCES:	
BENCH MARK	CITY NO. 76-891.38
PROFILES BY	BK. 367 PG. 19 M.P.A.S.
DRAWINGS	FIELD BOOK BK. 829 PG. 38. 40 CITY

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 2014 SEWER LINING PROJECT
 PEPPER PIKE ROAD CROSS LOTS
 SANITARY SEWER

SCALE: HORIZONTAL 1" = 40'
 VERTICAL 1" = 4'

DRAWING NO. 2013019-51

SHEET NO. 29 OF 51