1986

INDEX TO F.B.

DATE	J.N.	DESCRIPTION	NOTES	PAGES
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"	"	" " "	X-secs.	29-46
"	"	" " Mulberry Dr. to P.E. Ry.	"	47-56
"	"	" " from South R/L Of P.E. R/Y. to Lembert St.	"	57-85
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Unofficial Vol. 96

Notes Ck'd by	Survey of Michigan Ave Pro Tit
Map No.	W. O. 6222.00 Tape No. 0164 St'd. 68 °F
Office Work	Surveyed by N. R. Smith
Checked	Notes H. E. Frank Date 3-7-55
Date	Indexed A. C. Johnson 4-15-55

F. B. 1986 PG. 7

CI #6222.00

MICHIGAN AVE. STORM DRAIN

LOCATION of IMPROVEMENTS
on
MICHIGAN AVE STORM DRAIN
between
Sorenson Ave drain & Oak Street

N. R. Smith
H. Frink
J. Bozen
L. Bankson

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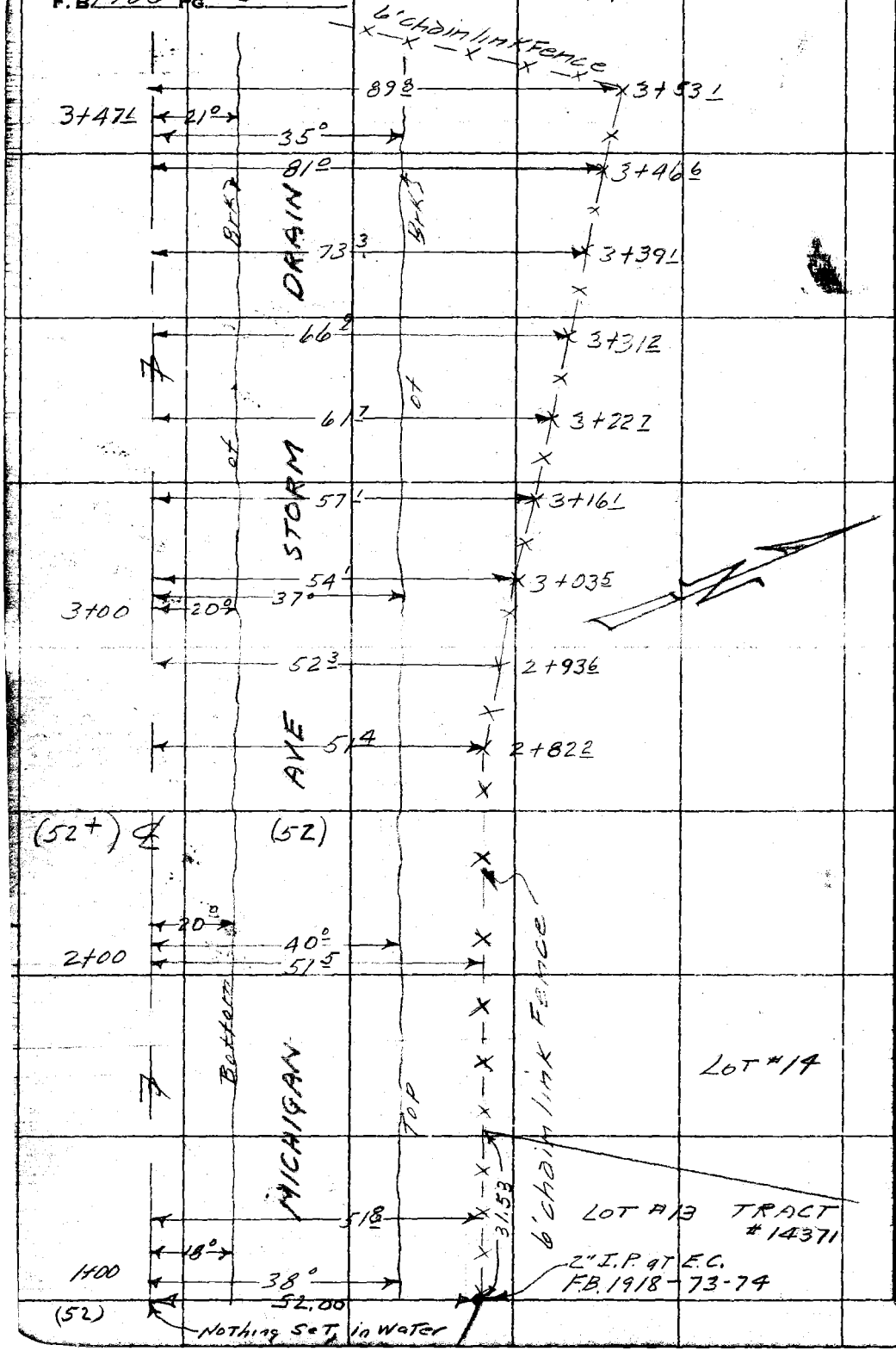
3095 247 4-53

F.B. 1986 PG. 8

see bot. pg 9



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Map No.	W. O. 6222.00 Tape No. 0164 St'd. 68 °F
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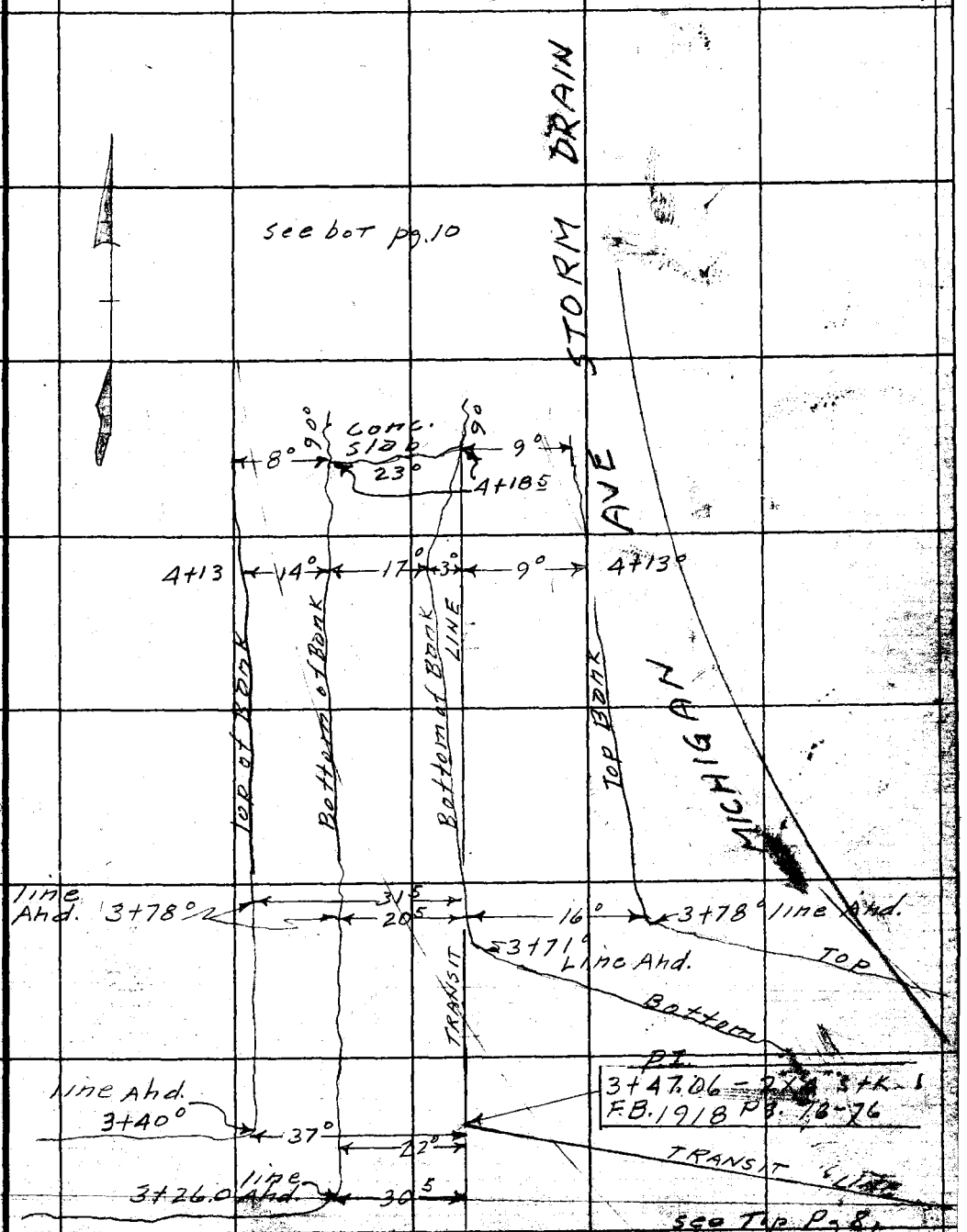
Checked	Notes H.E. Fronk Date 3-8-55
Date	Indexed C. Johnson



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76F3005 247 4-53

1986 - 10

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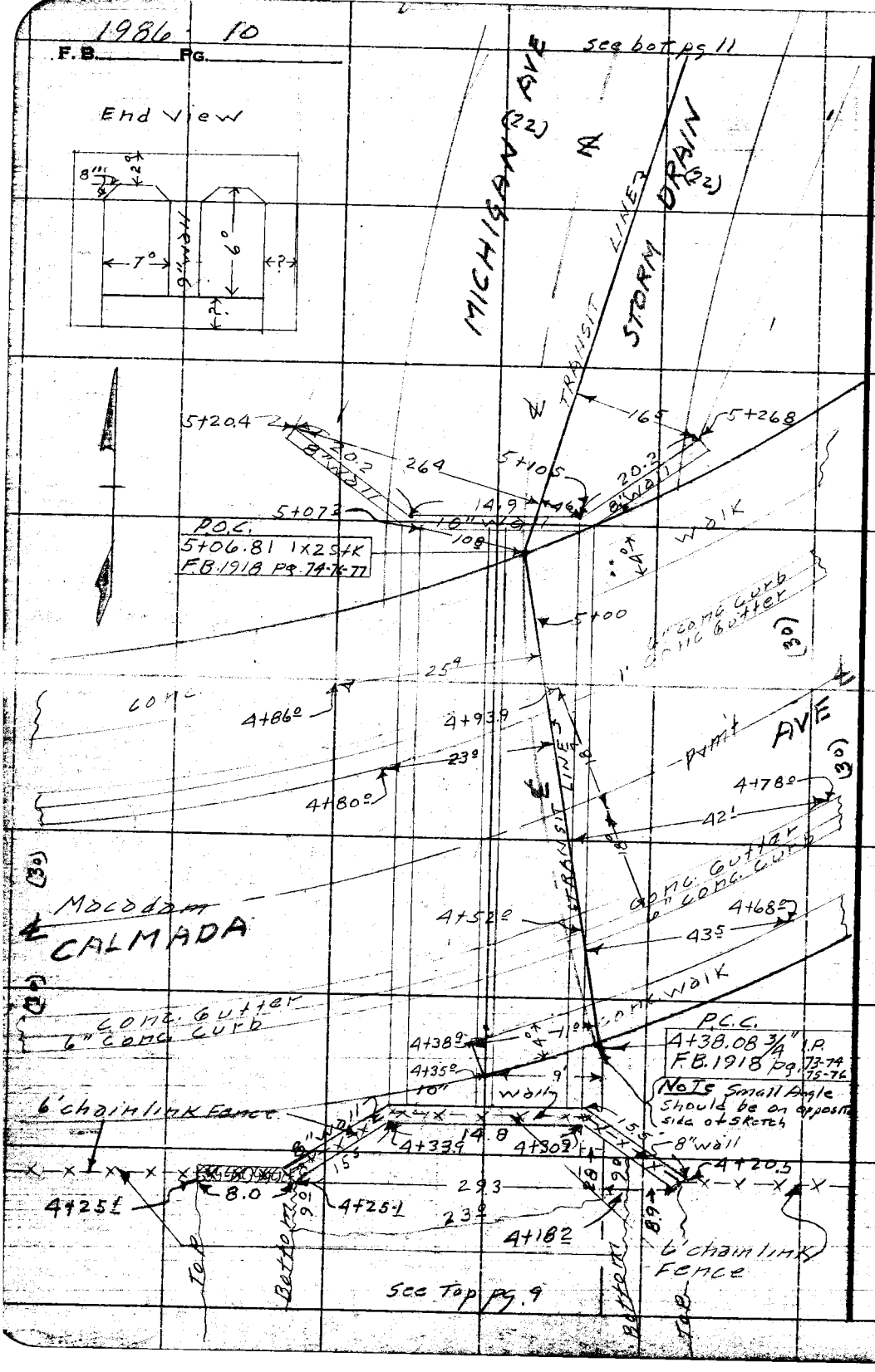

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Checked	Notes H.E. Fronk Date 3-8-55
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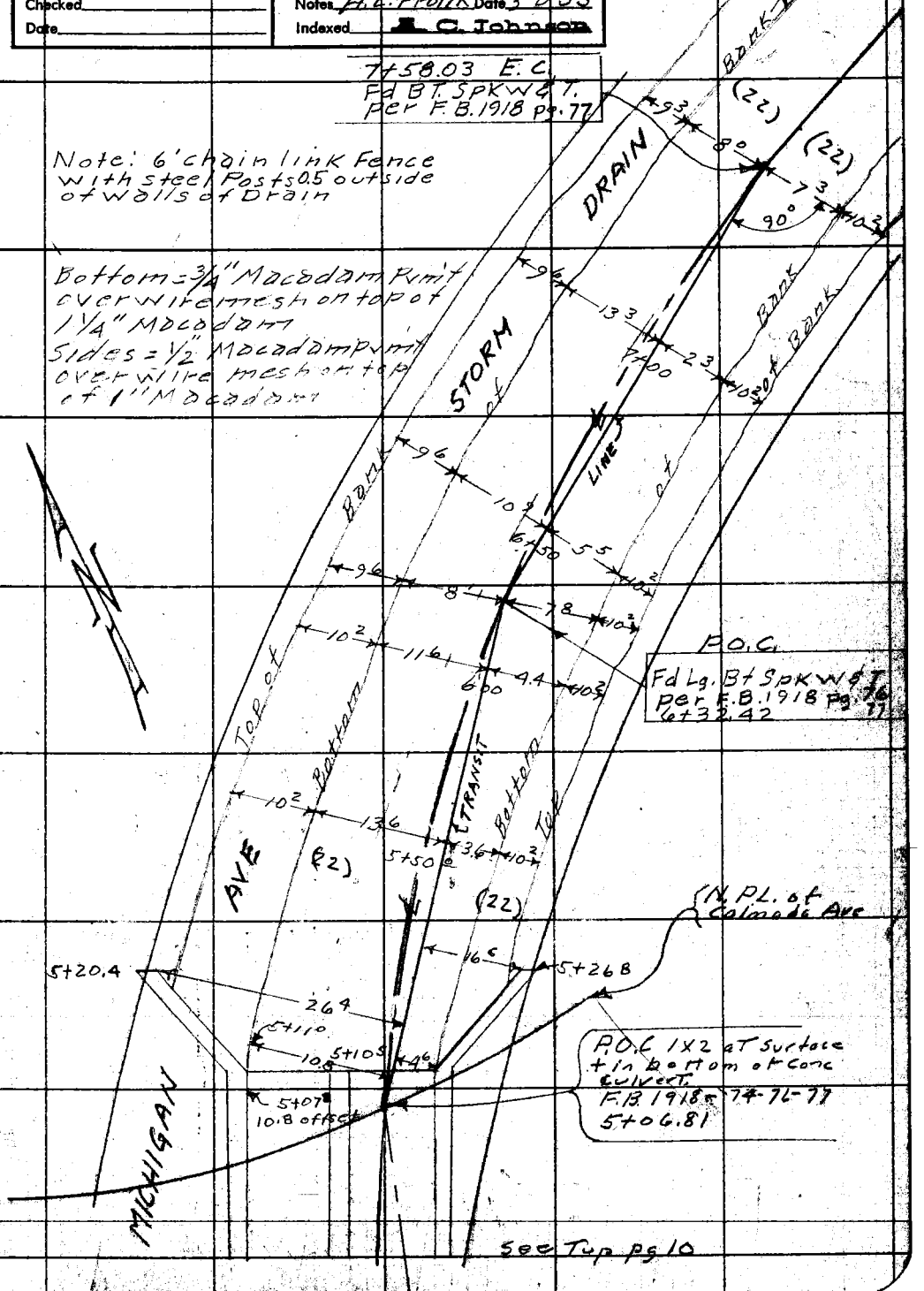
See Lot, Pg 12



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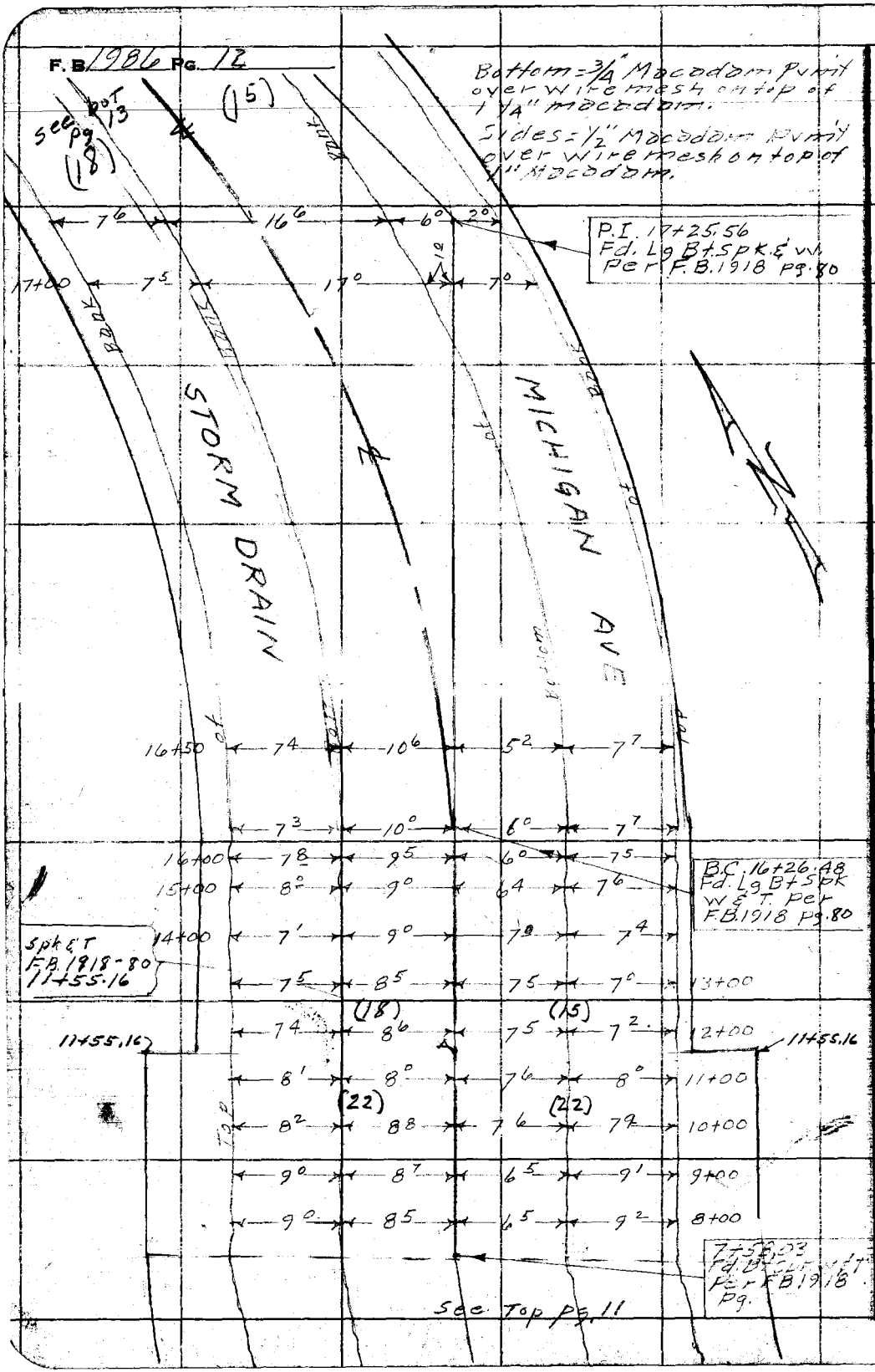
7-78C05 247 4-58



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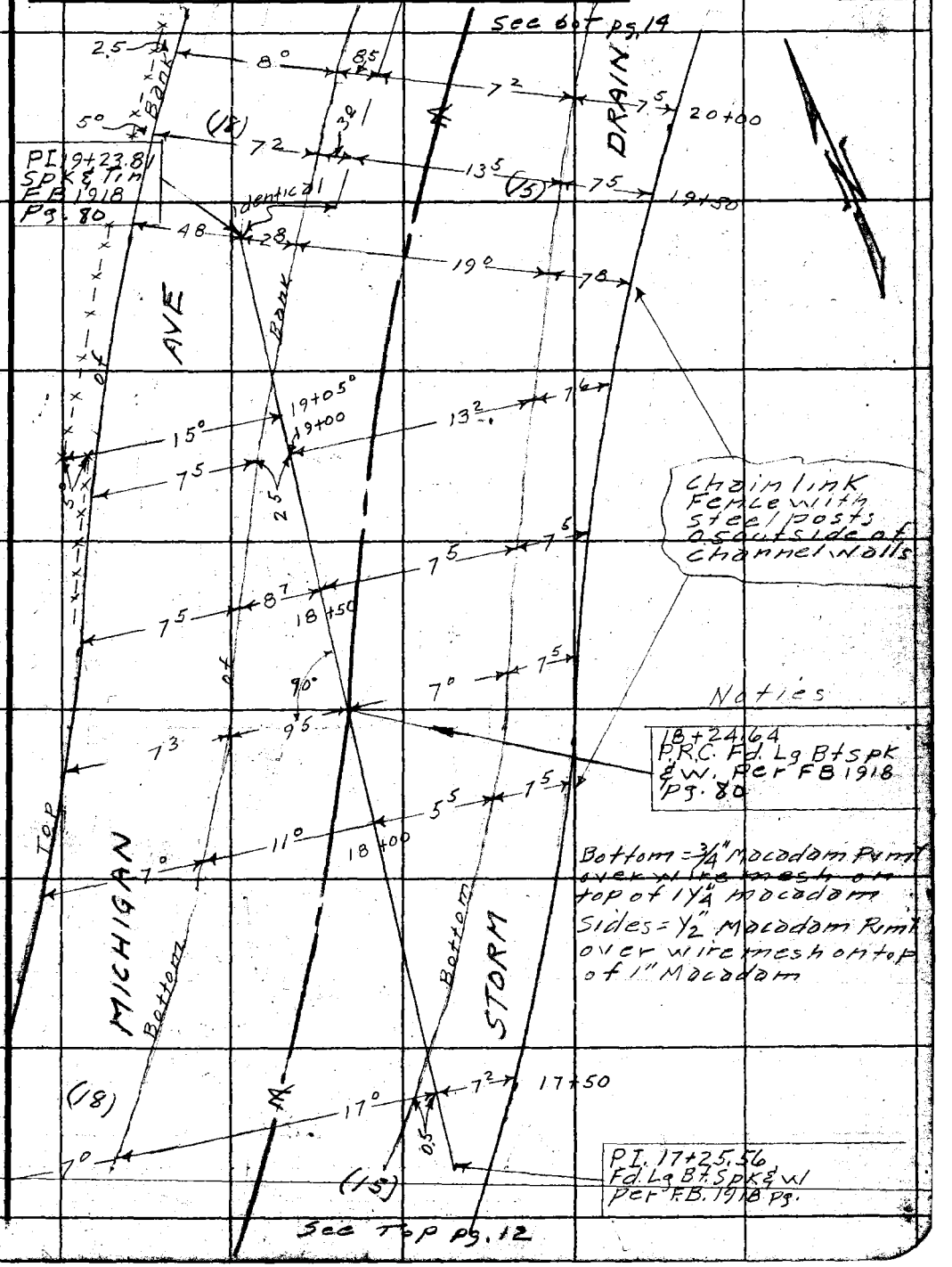
Date	Indexed C. Johnson

F. B. Pg.

Stations 19+23.81 19+50 & 20+00 taken from Front Tangent



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76F3095 247 4-53

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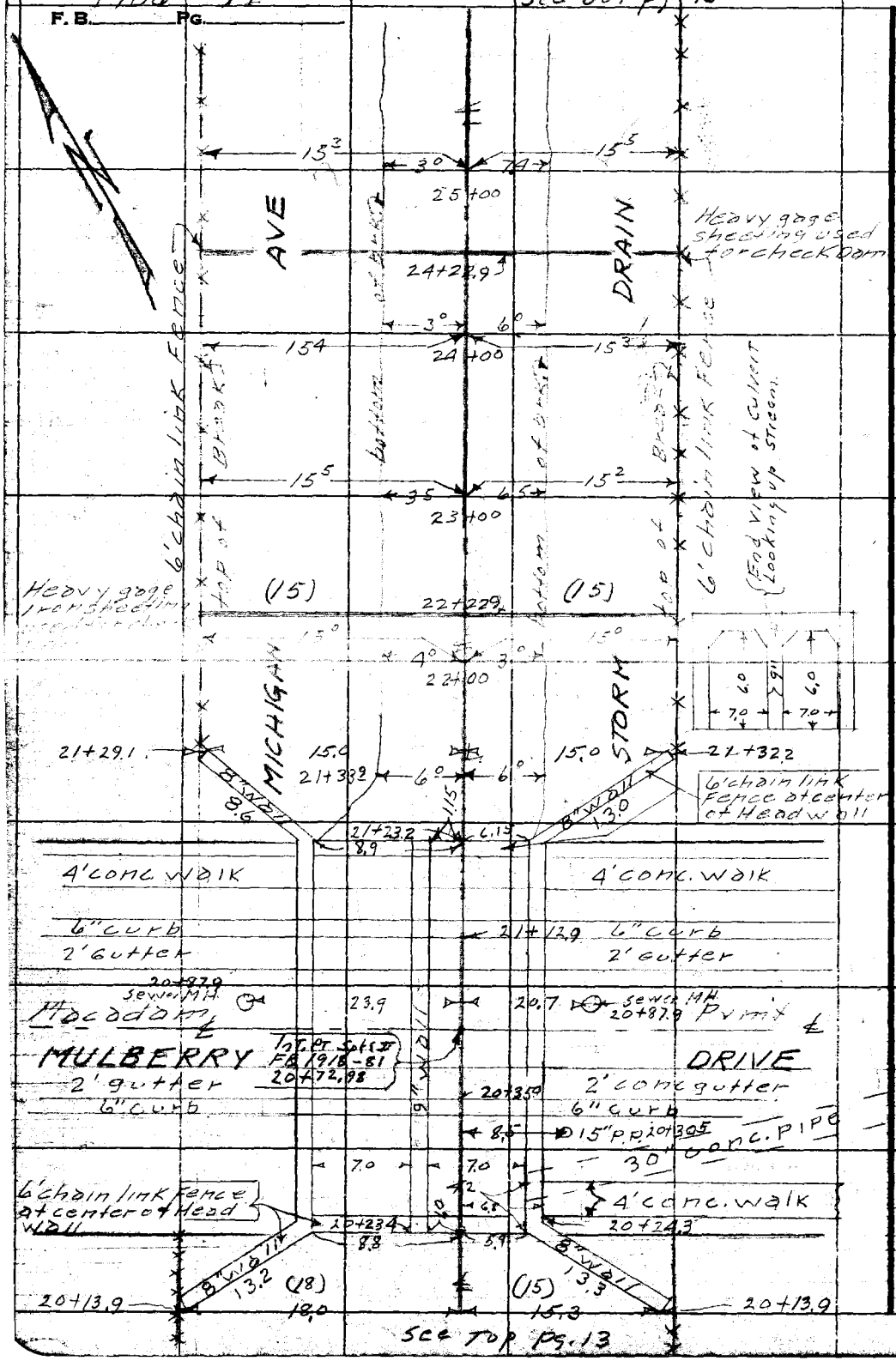

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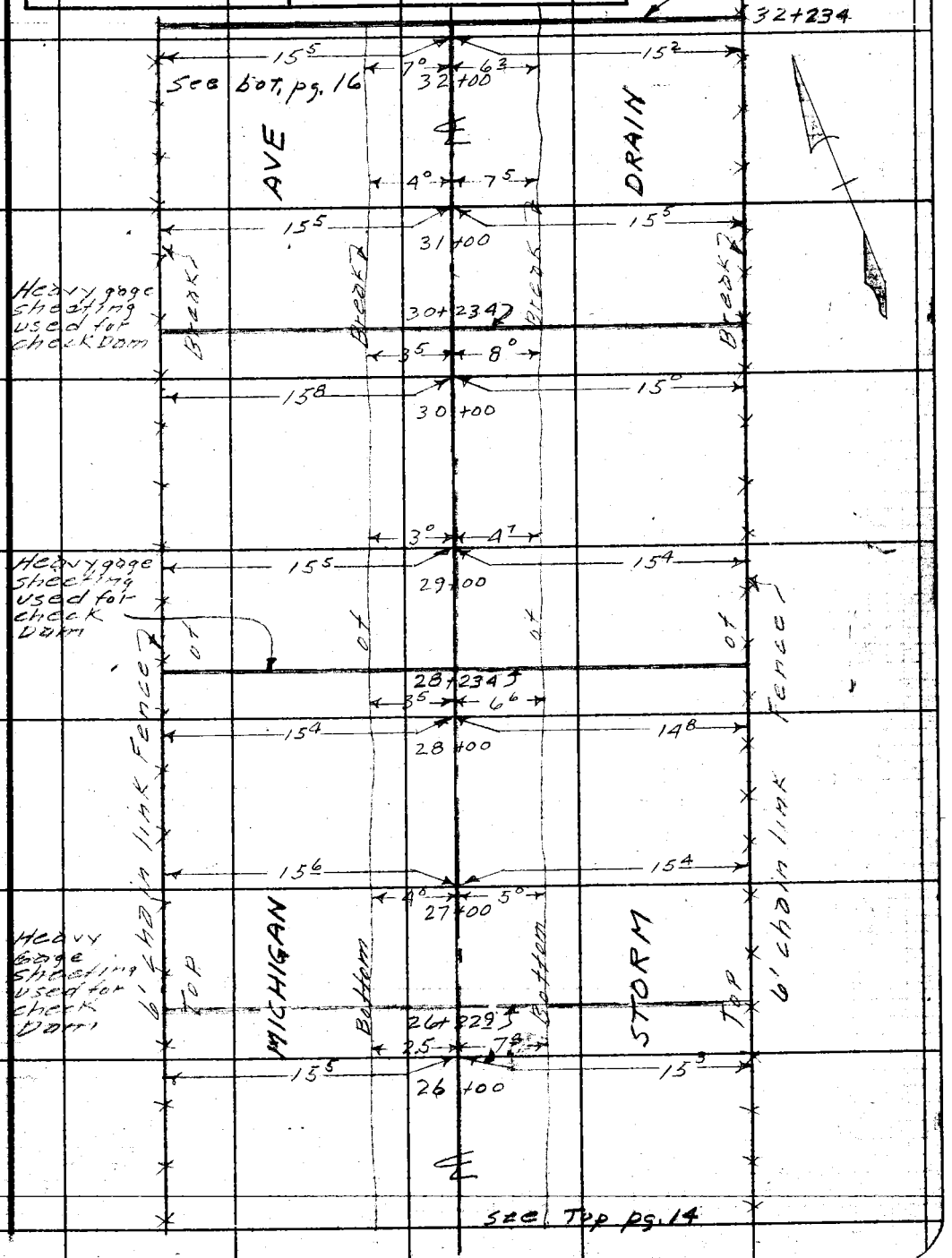
Office Work	Surveyed by N. R. Smith
Checked	Notes H. E. Frank Date 3-1-55
Date	Indexed [illegible] C. Johnson



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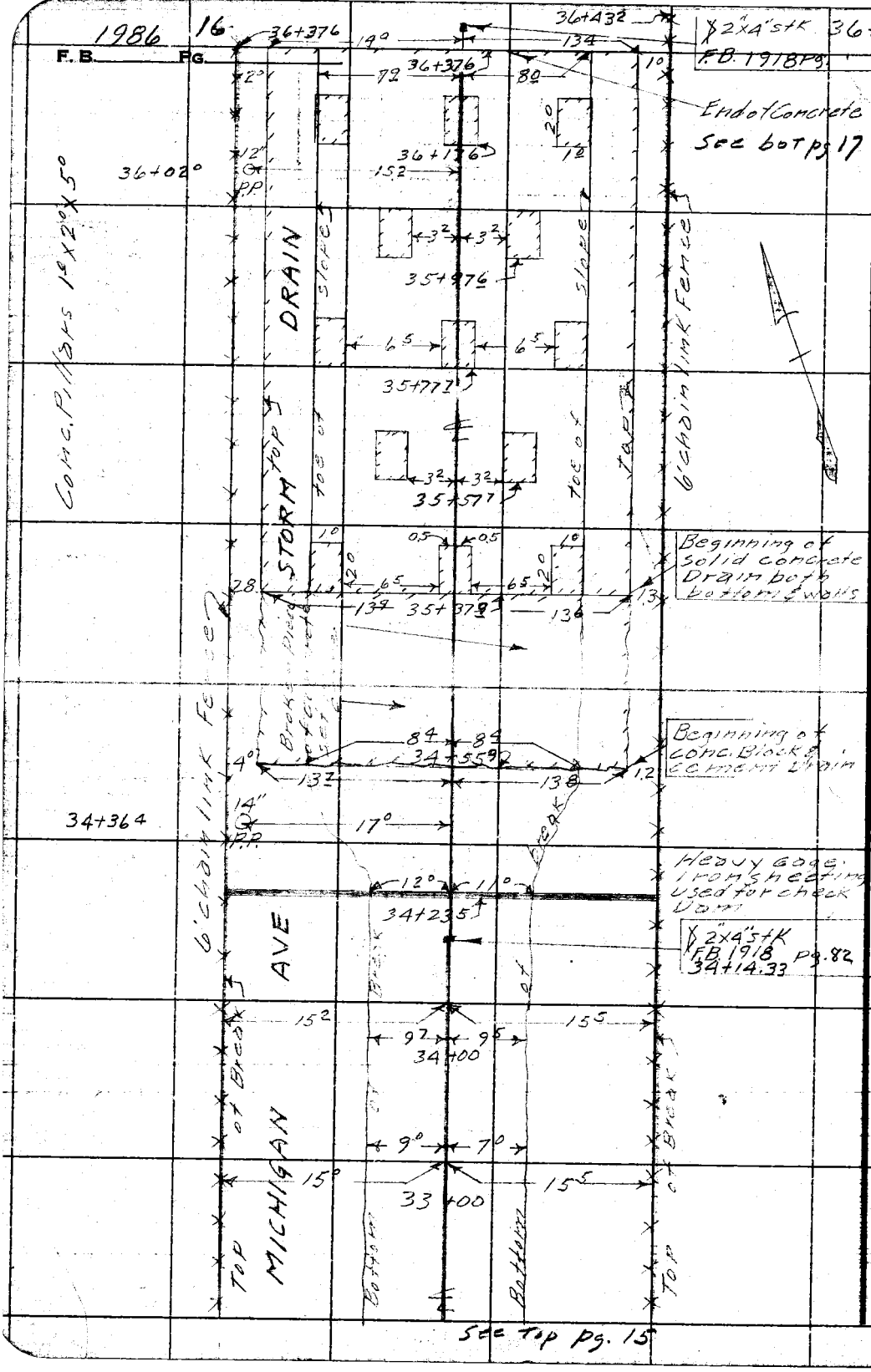

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Map No.	W. O. 222.00 Tape No. 0164 St'd. 68 °F
Office Work	Surveyed by N. R. Smith
Checked	Notes H. E. Fronk Date 3-2-55
Date	Indexed A. C. Johnson

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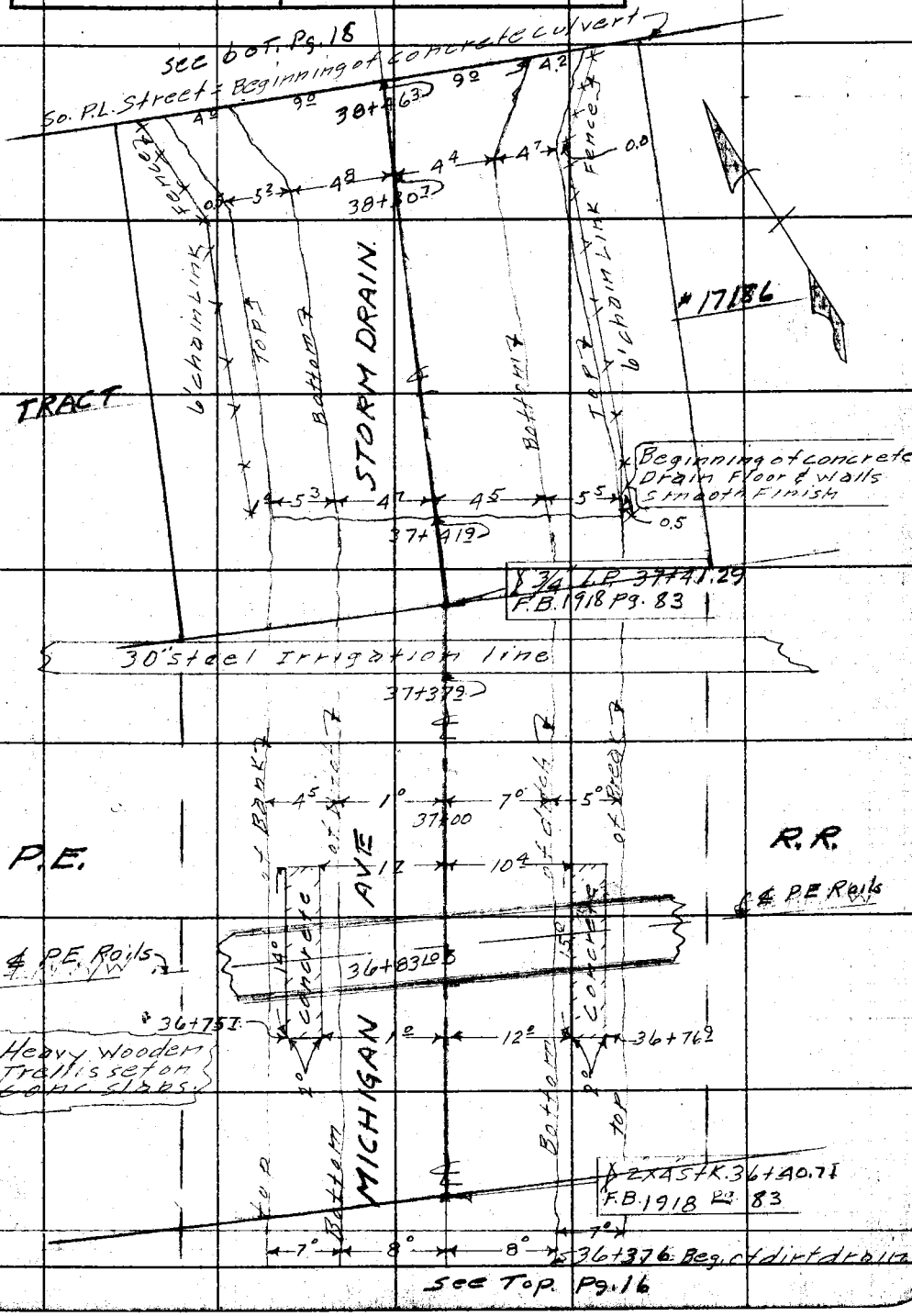

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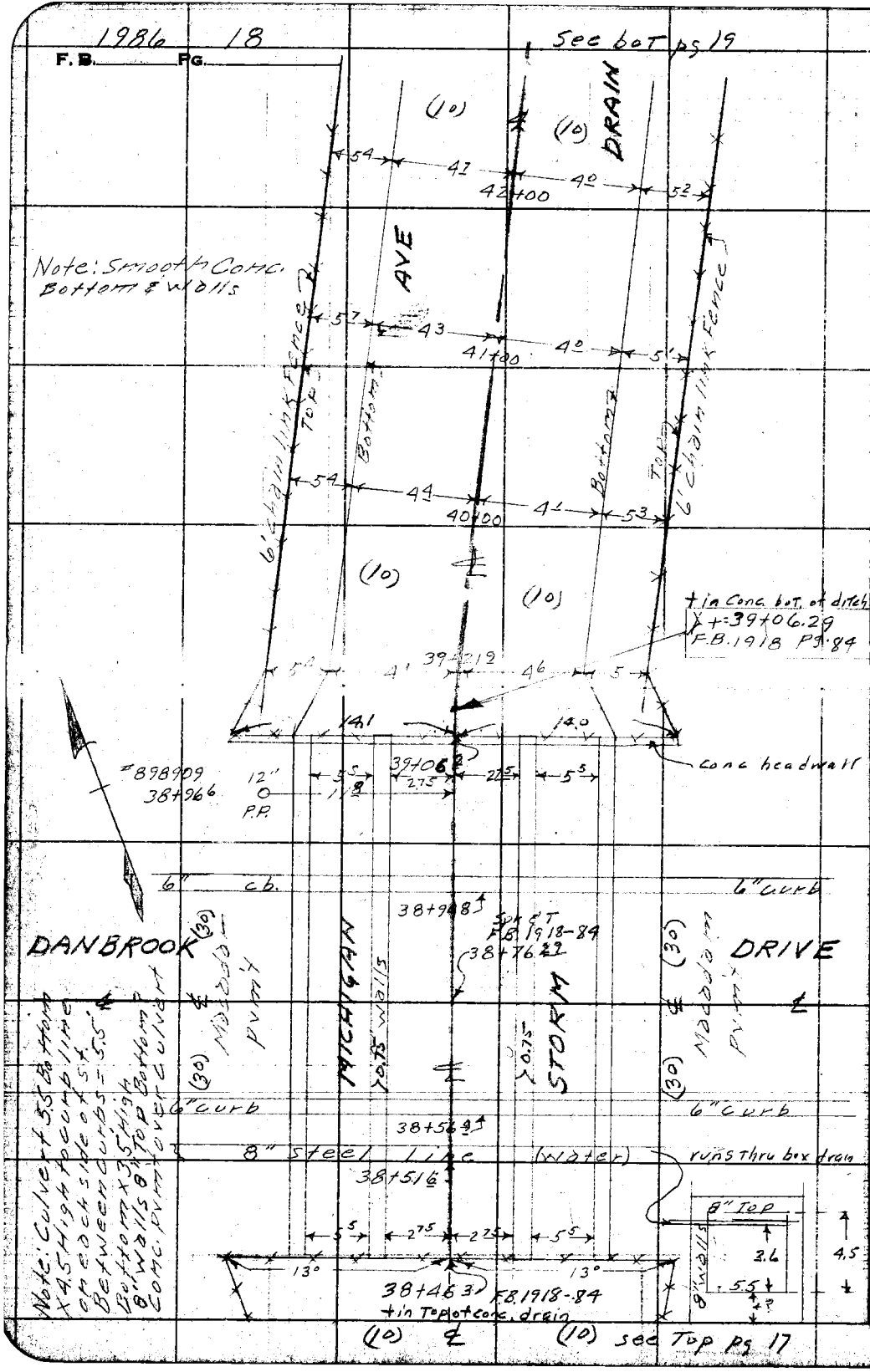
75F3C08 247 4-52



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Office Work	Surveyed by N.R. Smith
Checked	Notes H.E. Fronk Date 3-2-55
Date	Indexed C. Johnson

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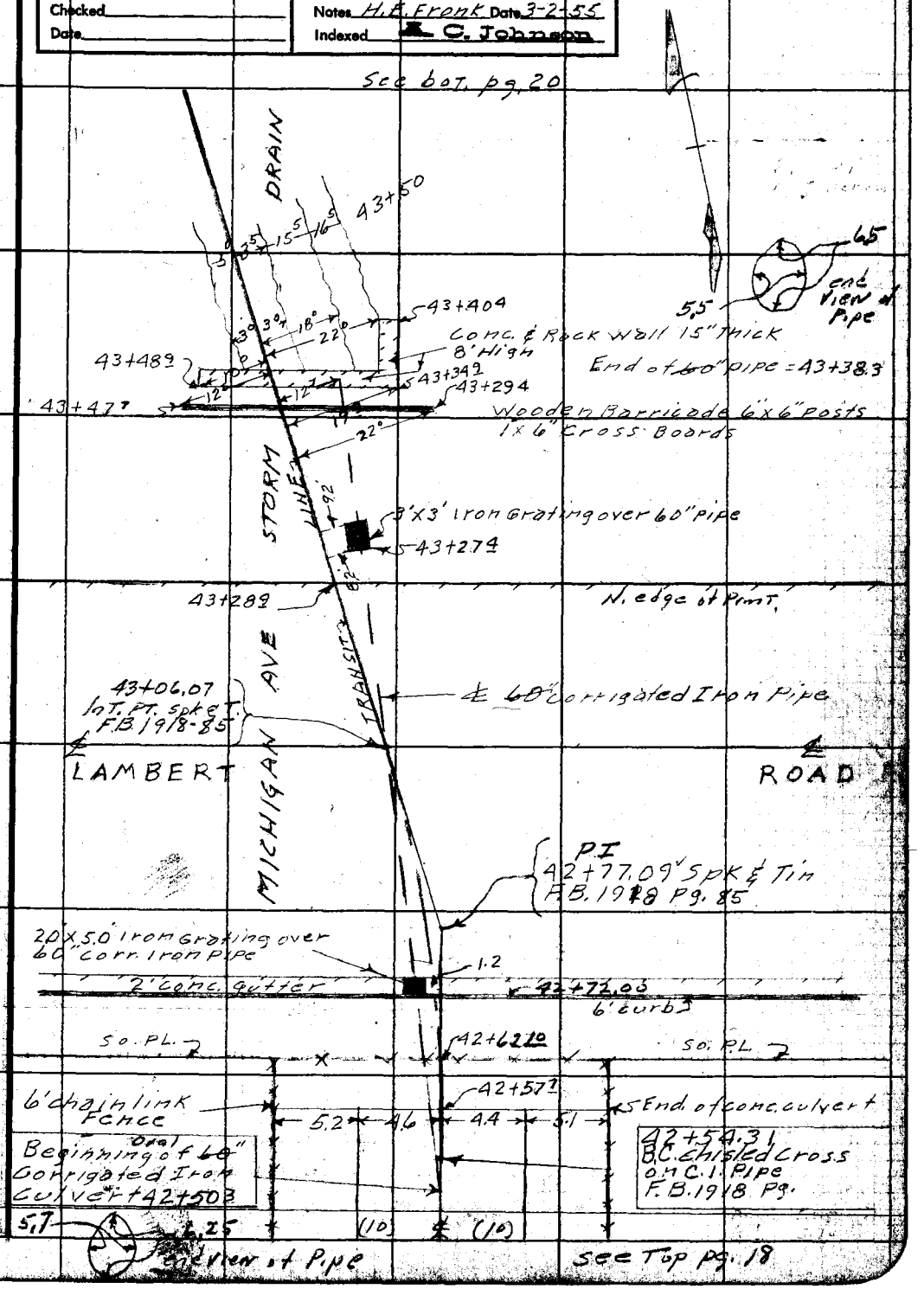

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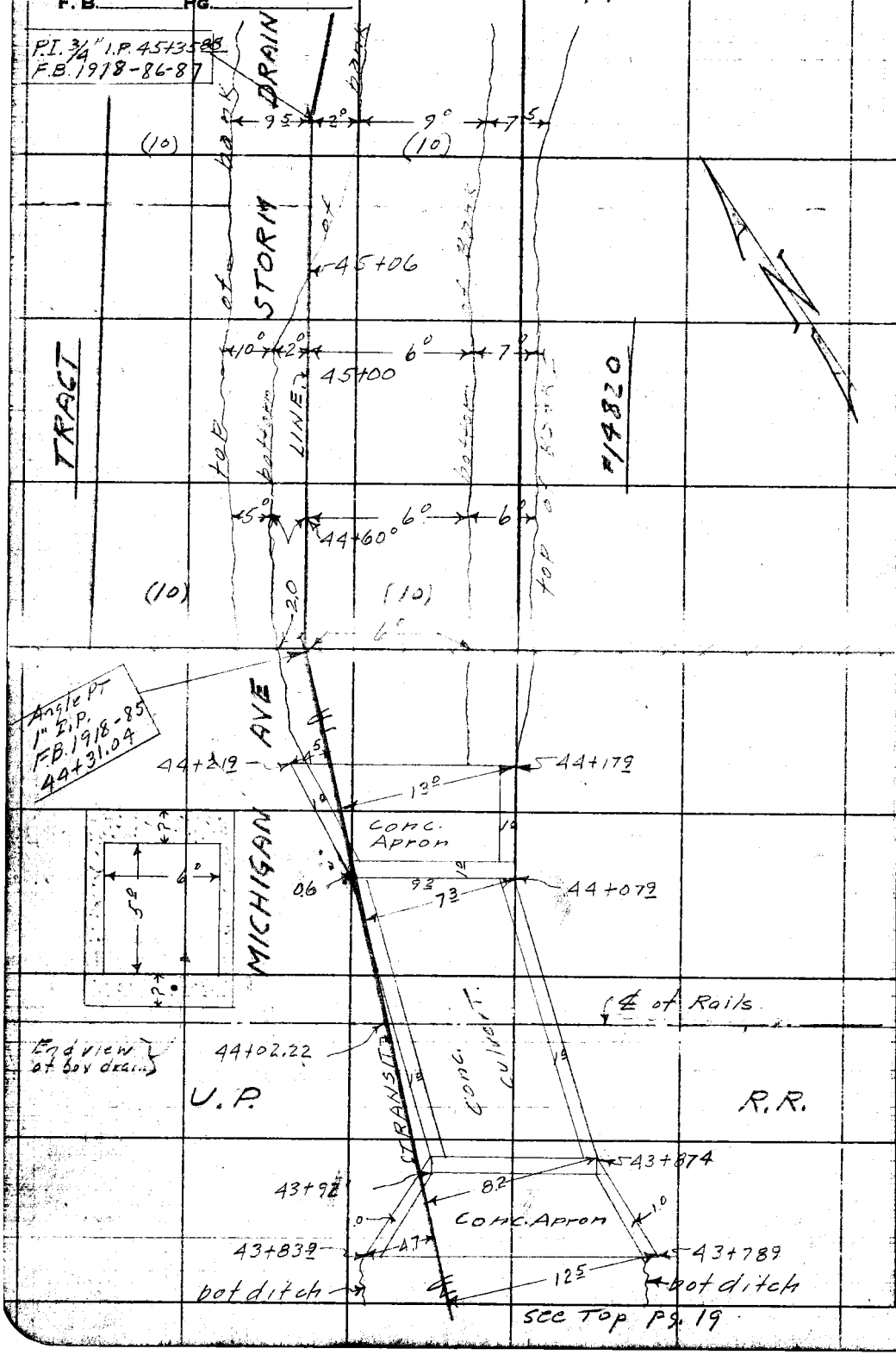

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Notes Ck'd by	Survey of Michigan Ave Proj 517
Map No.	W. O. 6222.00 Tape No. St'd. 68 °F
Office Work	Surveyed by N. R. Smith
Checked	Notes H. E. Fronk Date 3-15-55
Date	Indexed O. Johnson

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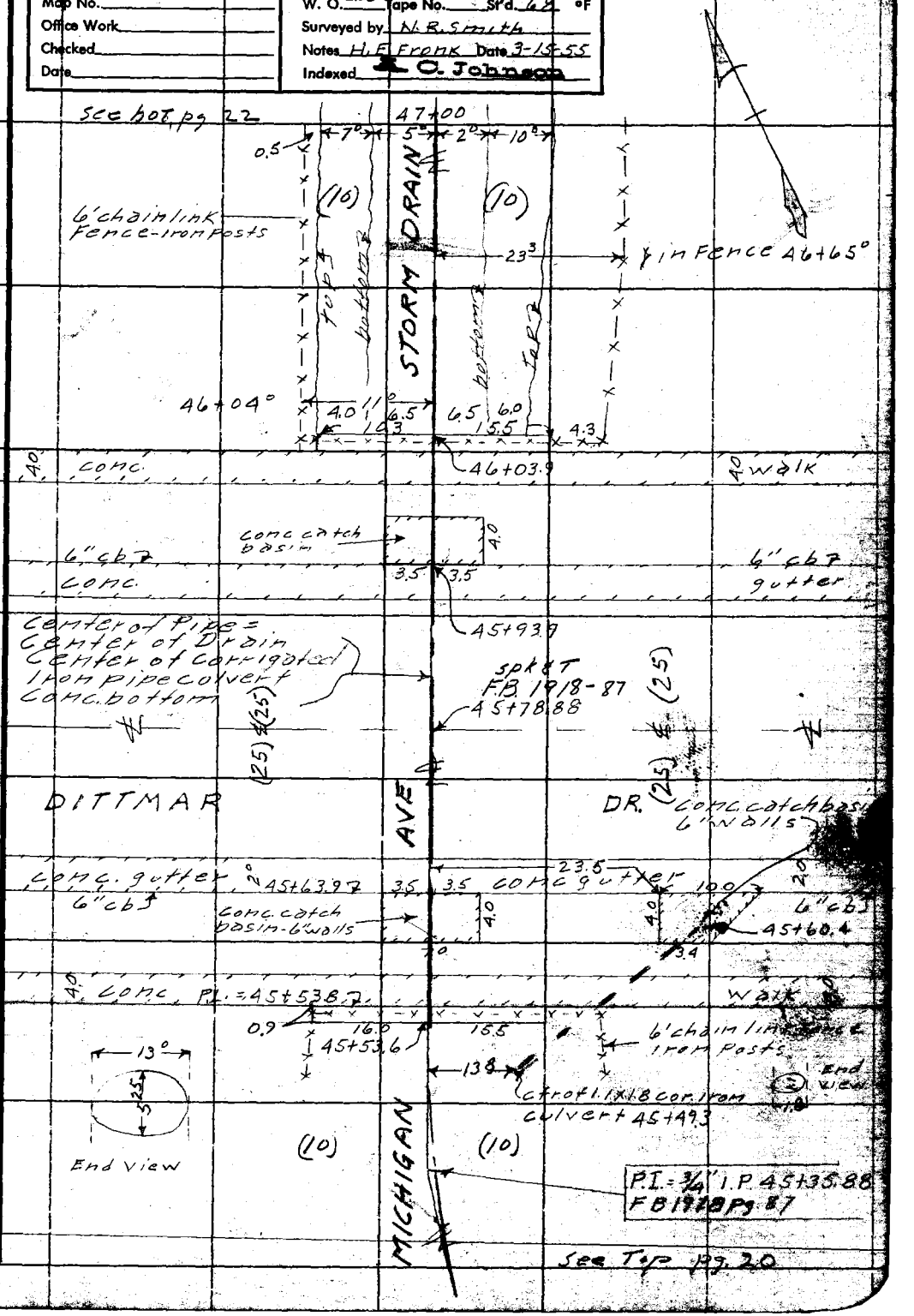

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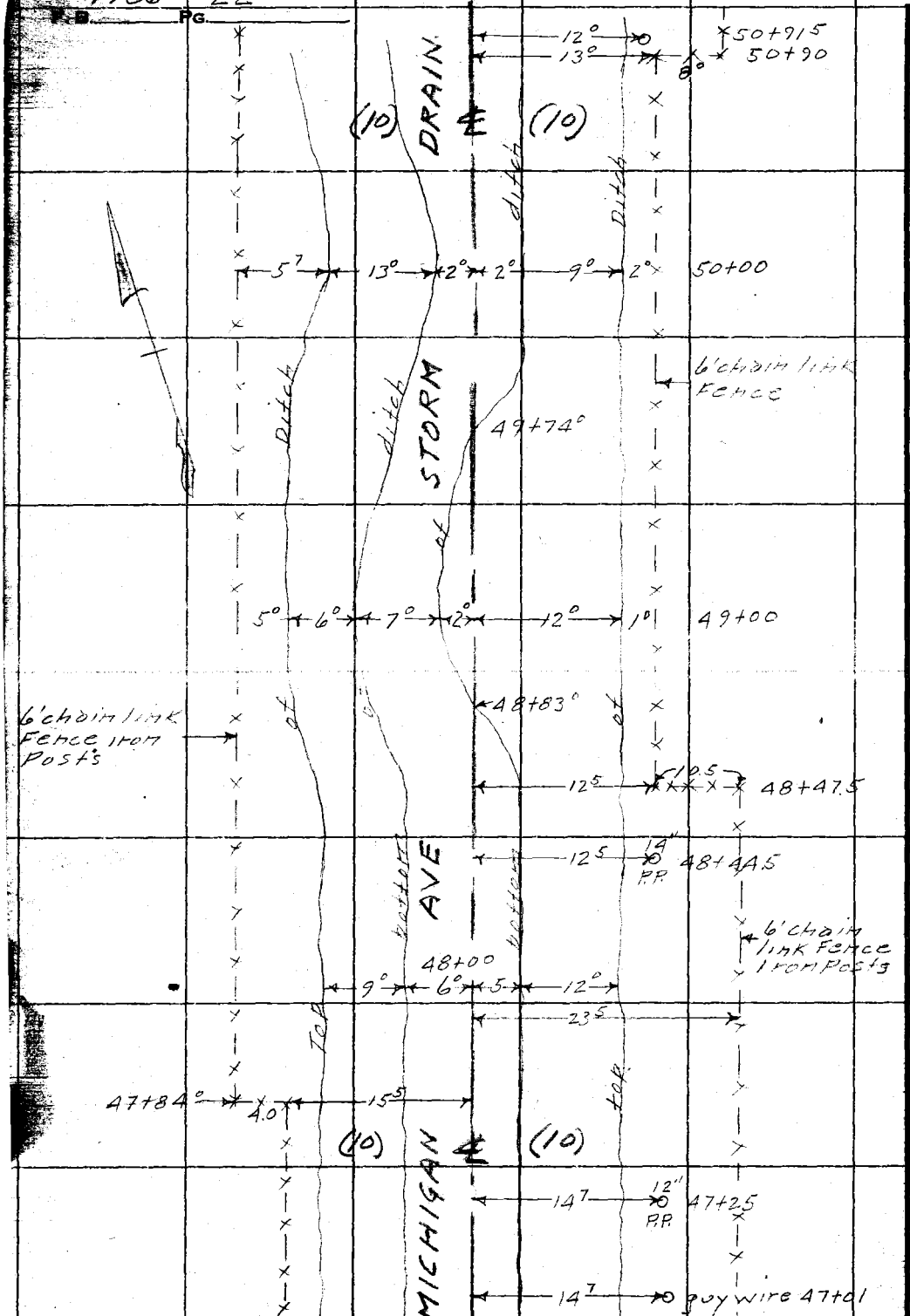
B. PG.



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Notes Ck'd by	Survey of Michigan Ave Proj #17
Map No.	W. O. 6220 Tape No. 0164 St'd. 68 °F
Office Work	Surveyed by N. R. Smith
Checked	Notes H. E. Frank Date 3-16-55
Date	Indexed C. Johnson

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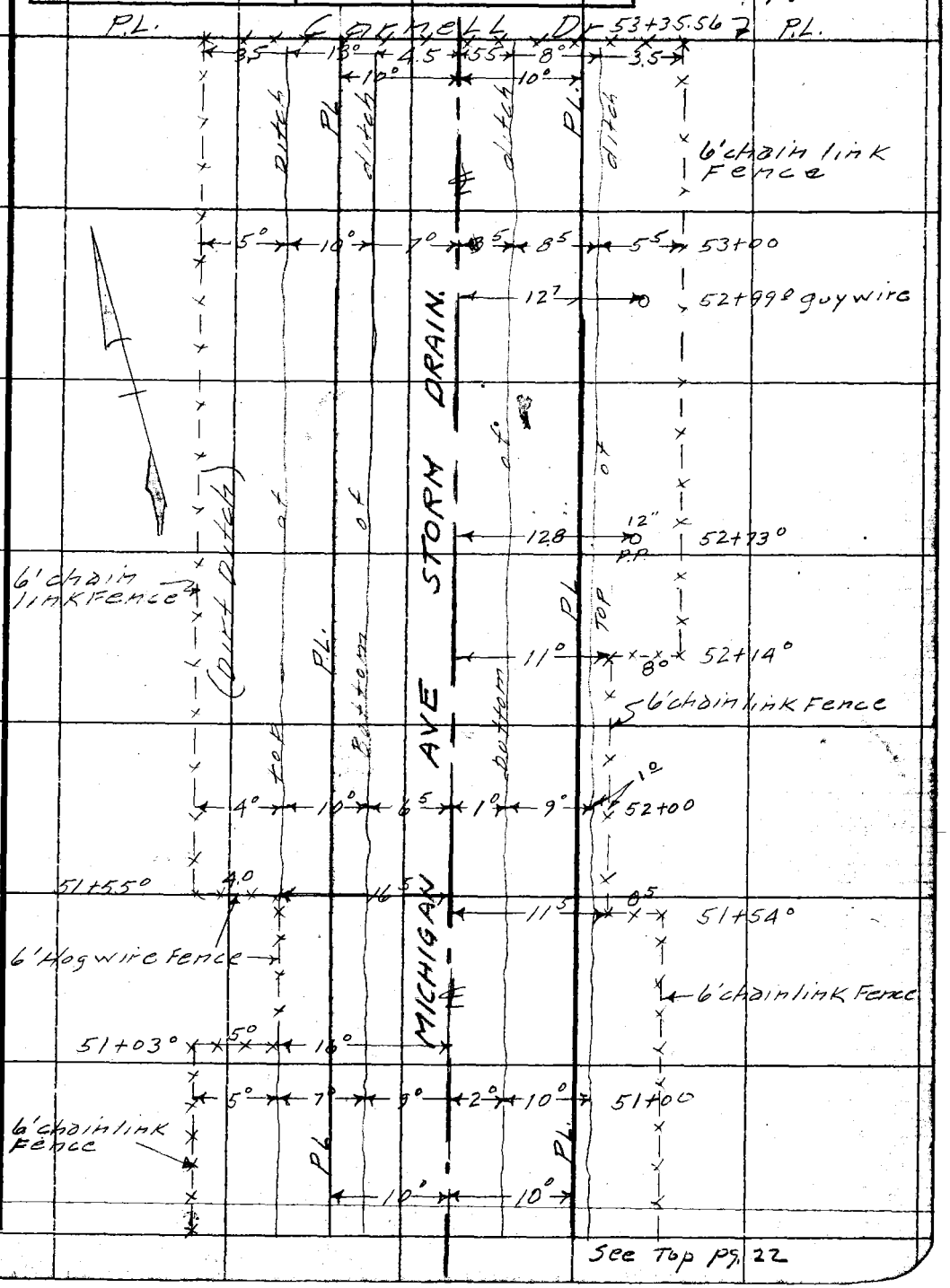

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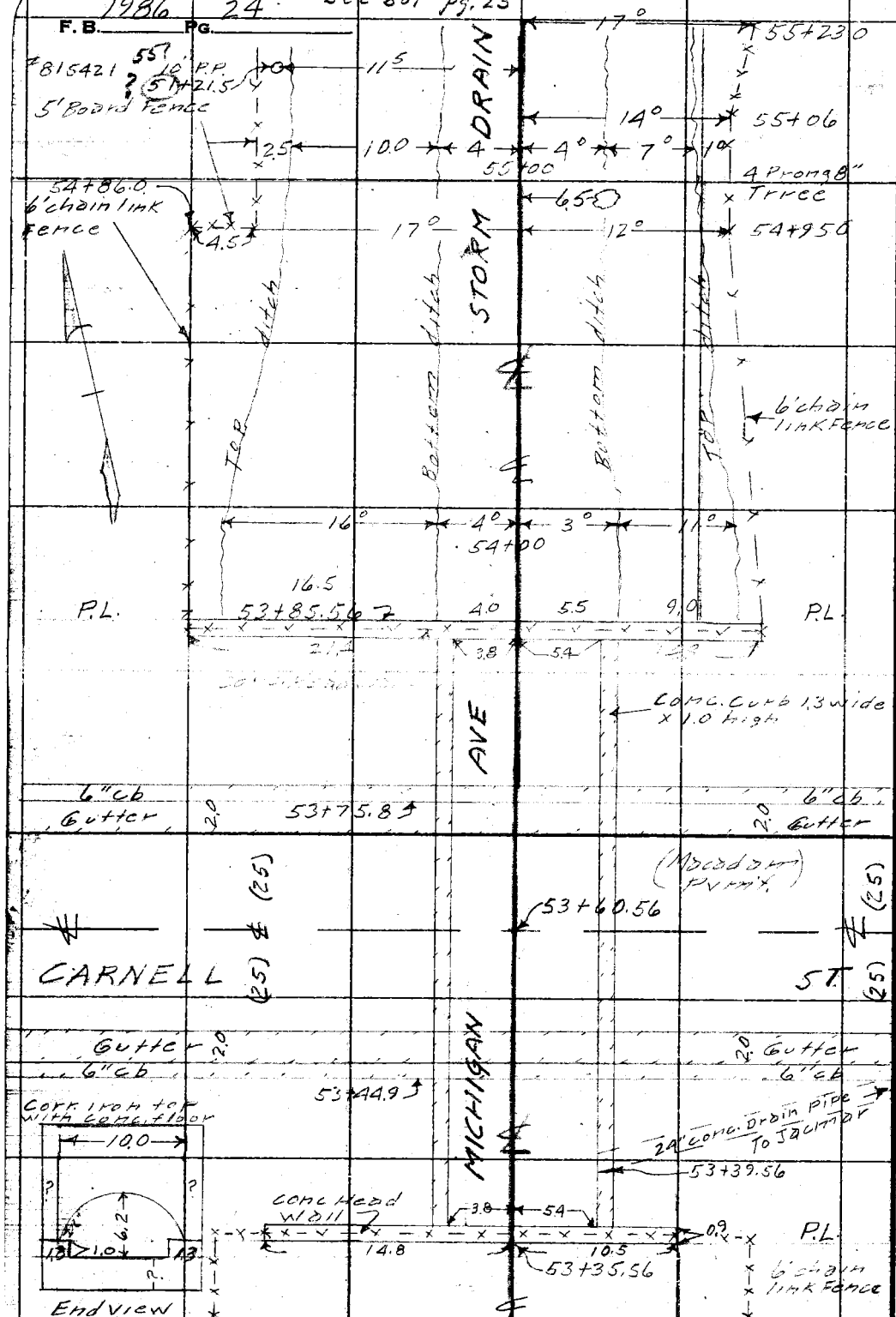

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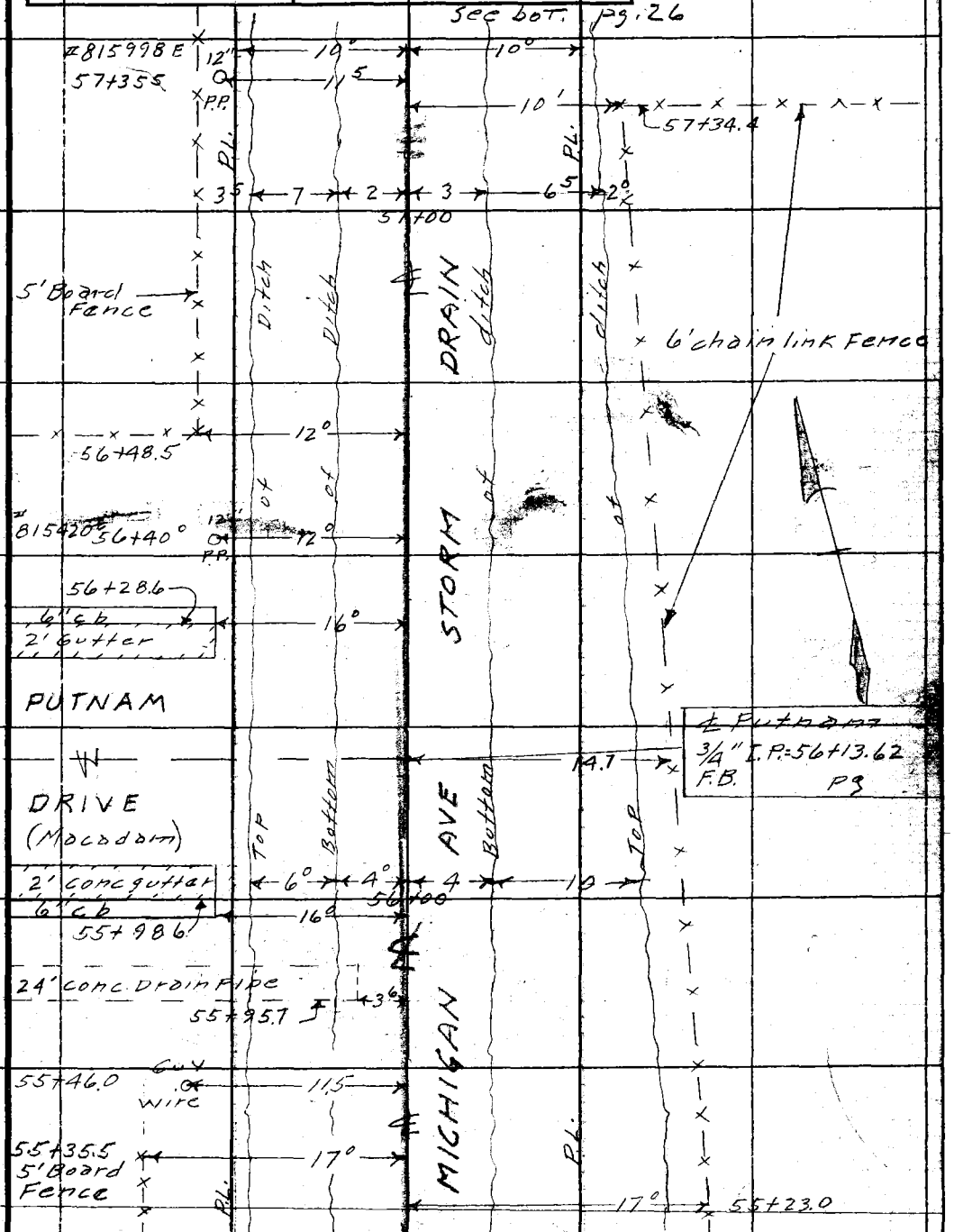
Notes Ck'd by	Survey of Michigan Ave Pms #17
Map No.	W. O. 6222.00 Tape No. 0164 St'd. 68 °F
Office Work	Surveyed by N.R. Smith
Checked	Notes H.E. Frank Date 3-17-55
Date	Indexed E. C. Johnson



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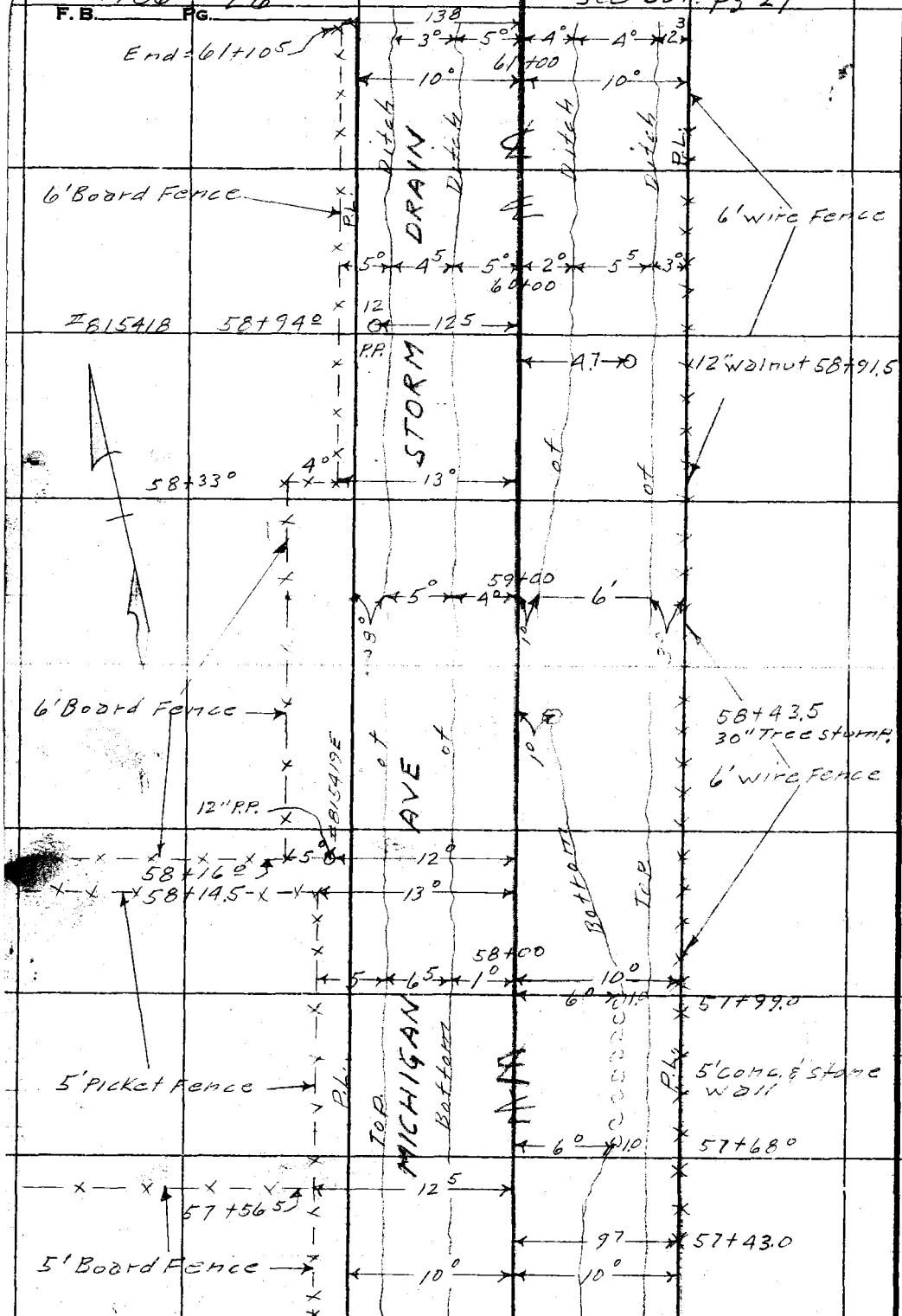

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Notes Ck'd by	Survey of Michigan Ave Proj 77
Map No.	W. O. 622200 Tape No. 0164 St'd. 68 °F
Office Work	Surveyed by N.R. Smith
Checked	Notes H.E. Frank Date 3-17-55
Date	Indexed L. C. Johnson

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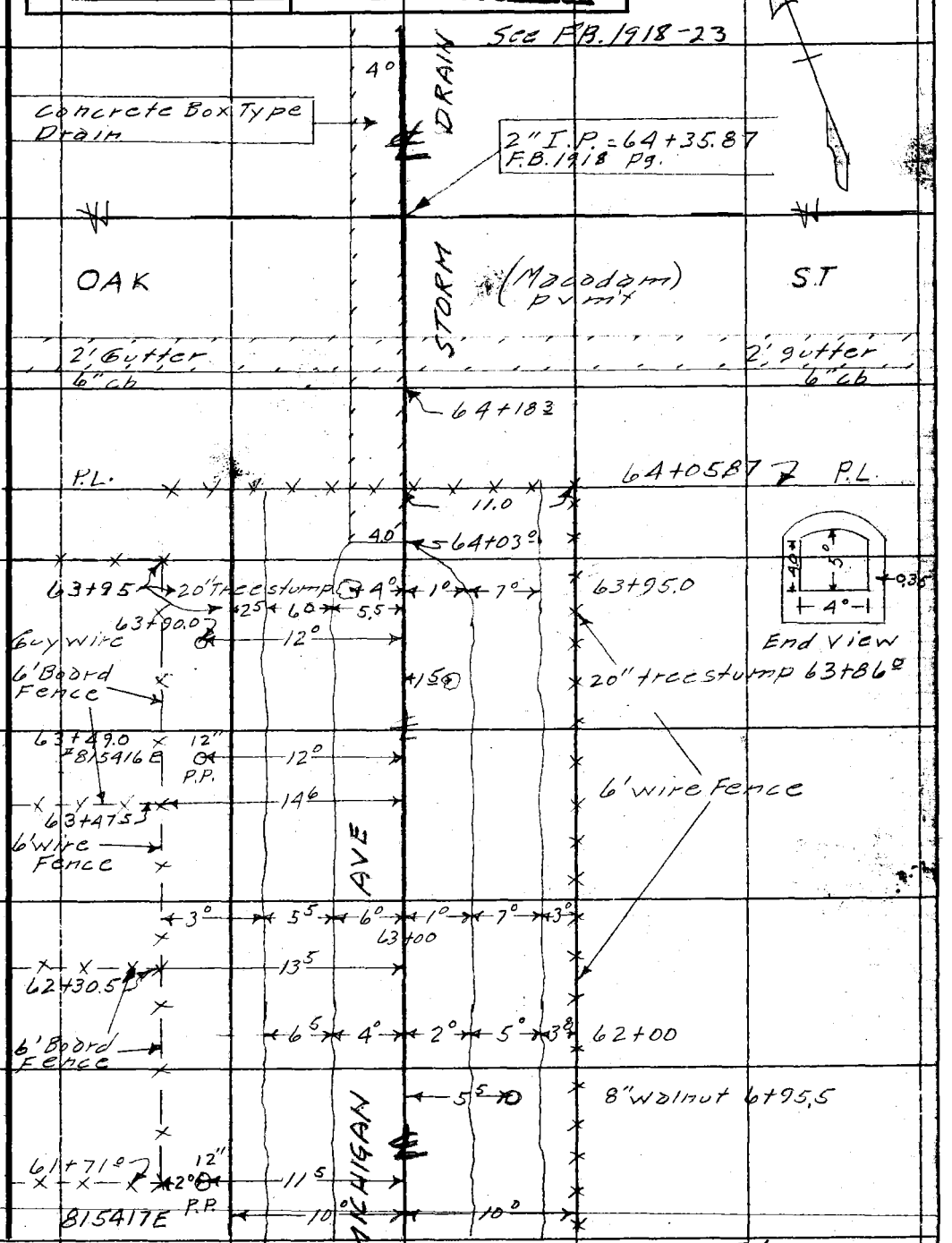

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1986 28

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Profile	Notes Red.	Plotted	Job No. 622200	Division No.	F. B. MAG 7	Pg. 19
No.	Date	Date	Survey of Michigan Ave Proj #17			
X-Sec.	Notes Chkd.	Checked	Survey by N.R. Smith	Notes H.E.F.	Date 3-9-55	
No.	Date	Date	Map No.	Indexed C. Johnson	Date 4-15-55	

C.I. 6222.00

MICHIGAN AVE PROJECT #17

CROSS SECTIONS
on
MICHIGAN AVE STORM DRAIN
between
Sorensen Ave Drain & Oak ST.

N.R. Smith
H. Frank
J. Bozen
L. Bankson

STATION	B. S.	H. I.	F. S.	ELEV.

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761.298 307 8-53

76L298 307 8-53

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F. B. 1986 Pg. 30 Job No. 6222.00 Division No. Notes Red. Plotted Profile No.
Survey of Michigan Ave Project #17 Date Date X-Sec. No.
Survey by N.P. Smith Notes H. Frank 3-9-55 Notes Chkd. Checked
Indexed A. C. Johnson Date Date

STATION	B. S.	H. I.	F. S.	ELEV.	Left	℄	Right
B.M. KW-84	123	145.88		144.65	B.M. KW-84. Elev. 144.654 F.B. 1971 pg. 40		
					Colmada Ave (E side) 250'± So. of ℄ Mystic St.		
					B.t. spk in angle Pt. of Storm Drain Head Wall		
1+00			155	130.38		℄	Drain
"			156	130.28			18' bottom bank
"			66	139.28			38' top Bank
"			52	140.68			51.8 Fence line
2+00			154	130.48		℄	Drain
"			155	130.28			20 bottom bank
"			56	140.18			40' top bank
"			45	141.38			51.5 Fence line
3+00			140	131.78		℄	Drain
"			139	131.78			20' bottom bank
"			55	140.38			37' top bank
"			34	140.78			54' Fence line
3+47.06 ✗			131	132.78		℄	✗
"			119	133.98			21' bottom bank
"			45	141.38			35' top bank
"			39	141.78			50' on flat.
T.P. line	8.88	145.30	9.46	136.42	T.P. 1X2 stk P.I.		
3+26 Ahead			11.7	133.6		℄	bottom Drain

76L298 307 8-53

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STATION	B. S.	H. I.	F. S.	ELEV.	Left	℄ Right
3+26 line Ahead		145 30	120	13330	30⁵ bottom of N.W. bank of drain inlet	
3+40 line Ahead			119	13340		℄ line Ahead
"			120	13330	22° bottom of Bank	
"			60	13930	37° top " "	
3+71			122	13310		℄ line Ahead
3+78			120	13330		℄ " "
			102	13510	1' break	
"			37	14160	16' top E. bank	
"			124	13290		20⁵ bottom W bank
"			40	14130		31⁵ top " "
4+13			79	13740		℄ E. side bank
"			121	13320	3' bottom E. bank	
"			122	13310	20" " W. "	
"			28	14250	34' top W bank	
"			27	14260		9' top E. bank
4+18⁵			89	13640		℄ S.E cor. of rough conc slab
"			89	13640	23' S.W. cor. of rough conc. slab.	
4+20⁵			90	13630		℄ rough conc. slab
"			068	14462		11⁷ top E. wing wall
4+25'			068	14462	29.3 top W. wing wall	
4+30 9±			881	13649	6.3' Flowline of East Barrel of Dr.	

Profile Notes Red. Plotted Job No. 622200 Division No. F. B. 1986 Pg. 3 31
No. Date Date Survey of Michigan Ave Proj #17
X-Sec. Notes Chkd. Checked Survey by N.R. Smith Notes H.E.F. Date 3-10-55
No. Date Date Map No. Indexed Date
A. C. Johnson

76L298 307 8-53

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STATION	B. S.	H. I.	F. S.	ELEV.	Left	℄ Right
4+339 ±		145 30	8 82	13648	14' Flowline of West Barrel	
4+30 9			066	14464	2.8 top of wingwall at Angle Pt.	
4+33 9			066	14464	17.5 " " "	
T.P.	4 00	148 61	069	14461	T.P.	
4+35			44	14421		℄
"			434	14427	9' S.W. Cor. of conc. walk	
4+40			426	14435		℄ conc. walk.
4+52°			459	14402		℄ conc. curb
"			505	14356		℄ " gutter
4+68°			500	14361		℄
"			450	14411		43⁵ N. edge walk
4+78°			497	14364		℄
"			536	14325		42' N. edge gutter
"			552	14309		43³ Flow line
"			489	14372		43³ top cb.
4+80			495	14366		℄
"			508	14353	23° S. edge gutter	
"			520	14341	24° Flowline "	
"			454	14407	24° top curb	
4+86			415	14446	25⁴ S. edge walk	
4+93 9			487	14374		℄ gutter N. curb

F. B. 1986 Pg. 4 32 Job No. 6222.00 Division No. Notes Red. Plotted Profile
Survey of Michigan Ave Proj #17 Date 3-10-55 Date No.
Survey by N.R. Smith Notes H.E. Frank Notes Chkd. Checked X-Sec.
Indexed A. C. Johnson Date Date No.

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STATION	B. S.	H. I.	F. S.	ELEV.	Left	℄ Right
4+93.9		148.61	435	144.26		North ℄ Top curb
More shots taken on			521	143.40		10' so. gutter meas on curve
gutter & top of curb			458	144.03		10' top cb. meas on curve
beginning 10' right			552	143.09		50' so. gutter meas on curve
from ℄ of Drain —			489	143.72		50' top cb. meas on curve
All measurments			747	141.14		150' so gutter meas on curve
taken on curve of			681	141.80		150' so. cb. meas on curve
street not at right			506	143.55	10' so gut. meas on curve	
angles to ℄ of Drain			461	144.00	10' " Top cb. " "	
			578	142.93	50' so gut. " "	
			517	143.44	50' " Top cb " "	
			760	141.01	150' so gut " "	
			700	141.61	150 " " " "	
			434	144.27		North 10' top cb meas on curve
			501	143.60		10' so gut. " " "
			460	144.01		50' N. top cb " " "
			525	143.36		50' " gut " " "
			694	141.67		150' N top cb " " "
			759	141.02		150 " gut " " "
			420	144.41	10' N. top cb. meas on curve	
			485	143.76	10' N gut meas on curve	

Profile Notes Red. ____ Plotted ____ Job No. 6222.00 Division No. ____ F. B. 1986 Pg. 5 33
No. ____ Date ____ Date ____ Survey of Michigan Ave Proj #17
X-Sec. Notes Chkd. ____ Checked ____ Survey by N.R. Smith Notes H.E.F. Date 3-10-55
No. ____ Date ____ Date ____ Map No. ____ Made by Johnson Date ____

76L298 307 8-53

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STATION	B. S.	H. I.	F. S.	ELEV.	Left	℄	Right
		148 61	501	14[illegible].0	50' N. top cb. median curve		
			566	14[illegible]95	50' N. gut. " " "		
			669	14[illegible]92	150' N top cb " " "		
			733	141[illegible]8	150' N. gut " " "		
5+00			384	14[illegible]17		℄	So. edge conc. walk
5+06.21 X			37	14[illegible]1		℄	Angle Pt. in wall
5+07.2			371	[illegible]	10.8 top wing wall & in wall		
5+09.6			1171	13[illegible]0			1' Flow line of E. Barrel of Drain
5+10.5			371	14[illegible]90			4.6 top of wing wall & in wall
			1171	13[illegible]0	Flow line of W. Barrel of Tunnel		
5+11			1158	137[illegible]03	10.8 Bottom W. bank		
5+20.4			371	14[illegible]90	26.4 Top of West wing wall		
5+26.8			1152	137[illegible]		℄	
"			1153	137[illegible]8			4.6 bottom E bank
"			372	14[illegible]9			16.6 Top E. wing wall
T.P.	11.21	148.82	1100	137[illegible]	T.P. 6+32.42 Bt SPK & W		
5+50			1159	137.13		℄	
"			1149	137.33	13.6 bot brk		
"			483	143.99	23.8 top brk		
"			43	144.52	33.8		
"			1151	137.31			3.6 bot brk

F. B. 1786 Pg. 34 | Job No. 622200 | Division No. | Notes Red. | Plotted | Profile
Survey of Michigan Ave Proj E17 | Date | Date | No.
Survey by N.R. Smith | Notes | Notes Chkd. | Checked | X-Sec.
Indexed A. C. Johnson | Date | Date | Date | No.

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STATION	B. S.	H. I.	F. S.	ELEV.	Left	℄ Right
5+50		148 82	461	14421		13.8 top brk
"			36	14522		23.8 Ground.
6+00			1136	13746		℄
"			1139	13743	11.6 bot brk	
"			490	14392	21.8 top brk	
"			50	14382	32' Ground	
"			1140	13742		4.4 bot brk
"			450	14432		14.6 top "
"			40	14482		15' Ground
6+32.42			1124	13758		℄
"			1117	13765	8' bot brk	
"			422	14460	17' top "	
"			42	14462	28' Ground.	
			1115	13767		7.8 bot brk
			459	14423		18° top "
"			46	14422		28' Ground.
6+50			1114	13768		℄
"			1101	13781	10.9 bot brk	
"			487	14395	20.5 top "	
"			49	14392	30' Ground	
"			1100	13782		5.5 bot brk

Profile Notes Red. ____ Plotted ____ Job No. 6222.00 Division No. ____ F. B. 1986 Pg. 735
No. ____ Date ____ Date ____ Survey of Michigan Ave Proj #17
X-Sec. Notes Chkd. ____ Checked ____ Survey by N.R. Smith Notes H.E.E. Date 3-10-55
No. ____ Date ____ Date ____ Map No. ____ Date ____

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STATION	B. S.	H. I.	F. S.	ELEV.	Left	℄ Right
6+50		148.82	4.70	144.12		15.7 top brk.
"			4.2	144.62		2.5 Ground
7+00			10.91	138.91		℄
"			10.73	138.09	13.3 bot brk	
"			4.51	144.31	22.9 top "	
"			4.5	144.32	33 Ground	
"			10.70	138.12		2.3 bot brk
"			4.30	144.32		12.5 top "
"			3.8	144.32		23' Ground
7+58.03 ✗			10.7	138.12		℄
"			10.6	138.22	8.0 bot brk	
"			4.5	144.32	17.3 top "	
"			4.5	144.32	27' Ground	
"			10.7	138.12		7.3 bot brk
"			4.5	144.32		17.5 top "
"			4.5	144.32		27' Ground
T.P.	7.58	145.77	10.63	138.9	T.P. 7+58.03	
8+00			7.4	138.37		℄
"			7.3	138.47	8.5 bot brk	
"			1.2	144.57	17.5 top "	
"			1.2	144.57	27' Ground	

F. B. 1986 Pg. 36 Job No. 6222.00 Division No. Notes Red. Plotted Profile
Survey of Michigan Ave Proj. #17 Date Date No.
Survey by N.R. Smith Notes H.E. Frank Notes Chkd. Checked X-Sec.
Indexed C. Johnson Date Date Date No.

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STATION	B. S.	H. I.	F. S.	ELEV.	Left	℄ Right
8+00		145 77	73	138 47		6.5 bot brk
"			17	144 07		15.7 Top brk
"			17	144 07		26' Ground
9+00			68	138 97		℄
"			68	138 97	8.7 bot brk	
"			08	144 97	17.7 Top "	
"			08	144 97	28.0 Ground	
"			68	138 97		65 bot brk
"			13	144 47		15.6 Top "
"			13	144 47		25.0 Ground
10+00			65	139 27		℄
"			65	139 27	8.8 bot brk	
"			09	144 87	17.0 Top "	
"			10	144 77	27.0 Ground	
"			65	139 27		76 bot brk
"			10	144 77		155 top "
"			10	144 77		25.0 ground
11+00			60	139 77		℄
"			60	139 77	8.0 bot brk	
"			08	144 97	16.1 Top "	
"			08	144 97	26.0 ground	

Profile No. ____ Notes Red. ____ Plotted ____ Job No. 622200 Division No. ____ F. B. 1986 Pg. 37
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Notes Chkd. ____ Checked ____ Survey by N.R. Smith Notes H.E.F. Date 3-10-55
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STATION	B. S.	H. I.	F. S.	ELEV.	Left	℄ Right
11+00		145 77	60	13[illegible]77		7.6 bot brk
"			09	144 87		15.6 top "
"			10	14[illegible]77		25.0
12+00			54	14[illegible]37		℄
"			54	14[illegible]37	8.6 bot brk	
"			06	14[illegible]7	16.0 top brk	
"			00	14[illegible]77	26.0 ground	
"			54	14[illegible]37		7.5 bot brk
"			08	14[illegible]7		14.7 top "
"			00	14[illegible]7		25.0 ground
T.P.	628	146 81	524	140 53	T.P. 12+35 ℄ (stone) ditch	
13+00			60	140 81		℄
"			60	140[illegible]1	8.5 bot brk	
"			10	14[illegible]1	16.0 top "	
"			05	14[illegible]1	26.0 ground	
"			59	14[illegible]1		7.5 bot brk
"			13	14[illegible]1		14.5 top "
"			03	14[illegible]1		25.0 ground
14+00			56	141[illegible]1		℄
"			56	141[illegible]	9.0 bot brk	
"			03	14[illegible]	16.0 top "	

F. B. 1986 PG. 38 Job No. 6222.00 Division No. Notes Red. Plotted Profile
Survey of Michigan Ave Proj #17 Date Date No. X-Sec.
Survey by N.R. Smith Notes H.E. Frank Notes Chkd. Checked
Indexed C. Johnson Date Date No.

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STATION	B. S.	H. I.	F. S.	ELEV.	Left	℄	Right
14+00		14681	03	14651	26.0 ground		
"			56	14121			7.0
"			06	14621			14.4
"			+04	14721			24.0
15+00			52	14161		℄	
"			50	14181	9.0 bot brk		
"			03	14651	17.0 top "		
"			+17	14851	27.0 ground		
"			52	14161			6.4 bot brk
"			02	14661			14.0 top "
"			+18	14861			24.0 ground
T.P.	641	14860	462	14219	T.P.		
16+00			64	14220		℄	
			64	14220	9.5 bot brk		
			12	14740	17.3 top "		
			02	14840	27.0 ground		
			65	14210			6.0 bot brk
			15	14710			13.5 top "
			+05	14910			24.0 ground
16+26.48	B.C.		63	14230		℄	
"			62	14240	10.0 bot brk		

Profile Notes Red ____ Plotted ____ Job No. 6222.00 Division No. ____ F. B. 1286 Pg. 39
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No. ____ Date ____ Date ____ Map No. ____ Date ____

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STATION	B. S.	H. I.	F. S.	ELEV.	Left	℄ Right
16+26 48 B.C.		148 60	13	14730	17.3 top brk	
"			00	14860	27.0 ground	
"			63	14230		6.0 bot brk
"			12	14740		13.7 top "
"			+08	14940		24.0 ground
16+50			62	14240		℄
"			62	14240	10.6 bot brk	
"			14	14720	17.0 top "	
"			+06	14920	27.0 ground	
"			62	14240		5.2 bot brk
"			13	14730		12.9 top "
"			+07	14930		23.0 ground
17+00			54	14330		℄ East side bank
"			60	14260	1.0 bot brk East bottom	
"			60	14260	18.0 " " West bottom	
"			11	14750	25.5 top brk	
"			00	14860	35.0 ground	
"			12	14740		7.0 top brk
"			+08	14940		17.0 ground
17+25.56 P.I.			20	14660		℄ East side bank
"			59	14270	6.0 East bottom	

F. B. 1986 Pg. 40 Job No. 6222.00 Division No. Notes Red. Plotted Profile
Survey of Michigan Ave Prot #17 Date 3-11-55 Date No.
Survey by N.R. Smith Notes H.E. Frank Notes Chkd. Checked X-Sec.
Indexed C. Johnson Date Date Date No.

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STATION	B. S.	H. I.	F. S.	ELEV.	Left	℄ Right
17+25.56 P.I.		148.60	59	142.7	22.6 West bottom brk	
"			08	147.8	29.8 " top "	
"			+02	148.8	40.0 ground	
"			10	147.6		2.0 East top brk
"			+10	149.6		12.0 ground
17+50			52	143.4		℄ East side bank
"			57	142.9	0.5 East bottom brk	
"			58	142.8	17.5 West " "	
"			09	147.7	25.0 top brk	
"			00	148.6	35.0 ground.	
"			09	147.7		7.2 East top brk
"			+16	150.2		17.0 ground
18+00			56	143.0		℄
"			55	143.1	11.0 bot brk	
"			04	148.2	18.0 top "	
"			+06	149.2	28.0 ground	
"			55	143.1		5.5 bot brk
			06	148.0		13.0 top "
			+14	150.0		23.0 ground
18+24.64 P.R.C.			54	143.2		℄
"			54	143.2	9.5 bot brk	

Profile Notes Red. ____ Plotted ____ Job No. 62222 Division No. ____ F. B. 1986 Pg. 13 41
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X-Sec. Notes Chkd. ____ Checked ____ Survey by N.R. Smith Notes H.E.F. Date 3-11-55
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STATION	B. S.	H. I.	F. S.	ELEV.	Left	℄ Right
18+24.64 P.R.C.		148 60	05	148 1	16.8 top brk	
"			+05	14[illegible] 1	27.0 ground	
"			54	14[illegible] 2		7.0 bot. brk
"			03	14[illegible] 3		14.5 top "
"			+17	150 30		25.0 ground
T.P.	549	149 29	480	14[illegible] 30	T.P. 19+23.81 Mid Ordinate	
18+50			60	143 3		℄
"			60	143 3	8.7 bot brk	
"			11	143 2	16.2 top "	
"			+10	15[illegible] 3	26 ground	
"			60	143 3		7.5 bot brk
"			06	14[illegible] 7		15.0 top "
"			+14	15[illegible] 7		25.0 ground
19+00			56	143 7		℄
"			56	143 7	2.5 bot brk	
"			08	148 5	10.0 top "	
"			+12	15[illegible] 5	20.0 ground	
"			57	14[illegible]		13.2 bot brk
"			11	14[illegible] 2		20.8 top "
"			05	14[illegible] 3		30.0 ground
19+23.81	P.I.		37	14[illegible]		℄ West side bank

F. B. 1986 Pg. 14 42 Job No. 622200 Division No. Notes Red. Plotted Profile
Survey of Michigan Ave Proj #17 Date 3-11-55 Date No.
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Indexed C. Johnson Date Date No.

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STATION	B. S.	H. I.	F. S.	ELEV.	Left	℄ Right
19+23.81 P.I.		149 29	07	148 6	4.8 top brk of Drain	
"			+26	151 9	10' brk ground	
"			+26	151 9	15' ground	
"			54	143 9		2.8 West bottom
"			55	143 8		21.8 East "
"			09	148 4		29.6 top brk
"			02	149 1		40 ground.
T.P.	10 52	154 32	549	143 80	T.P. 19+23.81 mid ordinate	
19 +50			104	143 9		℄
"			103	144 0	3.0 bot brk	
"			56	148 7	10.2 top drain brk	
"			36	150 7	15.0 top brk dirt	
"			35	150 8	20.0 ground.	
"			105	143 8		13.5 bot break
"			57	148 6		21.0 top "
"			32	151 1		31.0 ground.
20+00			103	144 0		℄
"			104	143 9	8.5 bot brk	
"			39	150 4	16.5 top drain-brk	
"			29	151 4	19.5 brk ground	
"			30	151 3	26.0 ground	

Profile Notes Red. ____ Plotted ____ Job No. 622200 Division No. ____ F. B. 1986 Pg. 15-43
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STATION	B. S.	H. I.	F. S.	ELEV.	Left	℄ Right
20+00		154 32	104	143 9		7.2 bot brk
"			42	15[illegible] 1		14.7 top "
"			22	[illegible] 1		25.0 ground
20+13.9			103	144 0		℄
"			102	144 1	8.8 bot brk	
"			34	15[illegible] 9	18.0 top brk Macadam	
"			222	15[illegible] 0	18.0 top S.W. wing wall	
"			103	144 0		5.9 bot brk
"			34	15[illegible] 9		15.3 top brk. Macadam
"			225	15[illegible] 07		15.3 top S.E. wing wall
20+23 4			1019	144 13	5.3 Flowline conc drain	
"			1015	144 17	8.8 bot break	
"			221	152 1	8.8. top conc. wing wall	
"			25	15[illegible] 3	18.0 ground	
"			25	15[illegible] 3	28.0 "	
"			1023	144 9		2.5 Flow line conc drain
"			1017	144 15		5.9 bot break
"			225	154 07		5.9 top conc wing wall
"			22	152 1		15.0 ground
"			22	152 1		25.0 "
20+32 6			883	145 [illegible]	Flowline of 30" conc. Pipe in E. Tunnel	

F. B. 1986 Pg. 44 16 Job No. 6222.00 Division No. Notes Red. Plotted Profile
Survey of Michigan Ave Proj #17 Date 3-11-55 Date No.
Survey by N.R. Smith Notes H.F. Frank Notes Chkd. Checked X-Sec.
Indexed E. C. Johnson Date Date Date No.

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STATION	B. S.	H. I.	F. S.	ELEV.	Left	℄ Right
		154 32				
T.P.	517	157.07	242	151.90	T.P. KW-93	
20+34.5			518	151.89		℄ top cb
"			582	151.25		℄ gutter
"			525	151.82		10' top cb
"			584	151.23		10' gutter
"			543	151.64		50' top cb
"			605	151.02		50' gutter
"			647	150.60		150' top cb
"			713	149.94		150 gutter
"			517	151.90	10' top cb.	
"			581	151.26	10' gutter	
"			528	151.79	50' top cb	
"			589	151.18	50' gutter	
"			612	150.95	150' top cb	
"			674	150.33	150 gutter	
20+72.98			504	152.03		℄ Mulberry Drive
21+12.9			476	152.31		℄ top cb
"			536	151.71		℄ gutter
"			485	152.22		10' top cb
"			544	151.63		10' gutter
"			499	152.08		50' top cb

Profile Notes Red. ____ Plotted ____ Job No. 622200 Division No. ____ F. B. 1986 Pg. 1775
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X-Sec. Notes Chkd. ____ Checked ____ Survey by N.R. Smith Notes H.E.F. Date 3-11-55
No. ____ Date ____ Date ____ Map No. ____ Indexed ____ Date ____

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STATION	B. S.	H. I.	F. S.	ELEV.	Left	℄ Right
21+12 9		157 07	566	151 41		50' gutter
"			570	151 37		150' top cb
"			635	150 72		150' gutter
"			477	152 30	10' top cb	
"			535	151 72	10' gutter	
"			482	152 25	50' top cb	
"			543	151 64	50' gutter	
"			527	151 80	112' top cb	
"			592	151 15	112' gutter	
21+23 2			464	152 43		℄ back of walk
"			401	153 06		6.15 top of wing wall
"			466	152 41		15.0 back of walk
"			407	153 00	8.9 top of wing wall	
"			462	152 45	15.0 back of walk	
"			1216	154 91		2.5 Flowline East Tunnel
"			1216	154 91	5.3 Flowline West Tunnel	
21+29 1			408	152 99	15.0 top. west wing wall	
"			40	153 07	25.0 ground.	
21+32 2			404	153 03		15.0 top East wing wall
			40	153 07		25.0 ground
BM-KW-93			517	151 90	BM KW-93 Elev. 151.901 F.B. 1925-225 Mulberry Dr. (S. Side) 155' E. of ℄ of Coachman Ave 25' W. of ℄ of Drain. Bt. spk in S. curb	

F. B. 1986 Pg. 1846 Job No. 6222.00 Division No. Notes Red. Plotted Profile
Survey of Michigan Ave Proj #17 Date 3-11-55 Date No.
Survey by N.R. Smith Notes H.E. Frank Notes Chkd. Checked X-Sec.
Indexed ~~R. C. Johnson~~ Date Date No.

Profile No.	Notes Red.	Plotted	Job No. 6222.00	Division No.	F. B. 1986 Pg. 147
	Date	Date	Survey of Michigan Ave Proj. # 17		
X-Sec. No.	Notes Chkd.	Checked	Survey by N. R. Smith	Notes H. Frank	Date 3-9-55
	Date	Date	Map No.	Ed Johnson	Date

CI # 6222.00

MICHIGAN AVE PROJECT #17

CROSS SECTIONS
on
STORM DRAIN
between
Mulberry Drive & P.E. Ry.

N. R. Smith
H. Frank
J. Bozen
L. Bankson

STATION	B. S.	H. I.	F. S.	ELEV.

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761298 307 8-53

76L298 307 8-53

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STATION	B. S.	H. I.	F. S.	ELEV.	Left	℄ Right
BM, KW-93	139	15329		151 90	BM, KW-93, Elev = 151.901, F.B. 1925 – 225 Mulberry Dr. (S. side) 155' E. of ℄ of Coachman Ave & 5' W. of ℄ of Michigan Ave Drain, BT. spk in S. Cb.	
21+23.2			86	144 7		℄
"			829	145 00		6° Bottom, Conc.
"			829	145 00	9° Bottom, conc	
21+29.1			86	144 7		℄
"			84	144 9	6° Bottom	
"			03	153 0	15° Top	
"			03	153 0	25'	
"			86	144 7		℄
"			85	144 8		6' Bottom
"			15	151 8		15' top Bank
			15	151 8		25'
22+00			87	144 6		℄
"			87	144 6		3° Bottom
"			67	146 6		3.5 brk
"			50	148 3		10' brk
"			05	153 8		15' Top
"			05	152 8		25'
"			87	144 6	4° bottom	
"			02	153 1	15' top	

F. B. 1986 Pg. 2 48 Job No. 6222.00 Division No. Notes Red. Plotted Profile
Survey of Michigan Ave Prot. #17 Date Date No.
Survey by N.R. Smith Notes H. Frank 3-4-55 Notes Chkd. Checked X-Sec.
Indexed A. C. Johnson Date Date Date No.

76L298 307 8-53

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STATION	B. S.	H. I.	F. S.	ELEV.	Left	℄ Right
22+00		153 29	0 2	153 1	25'	
23+00			7 5	145 8		℄
"			7 2	146 1		6.5 bottom
"			0 1	153 2		15' top
"			0 1	153 2		25
"			7 2	146 1	3.5 bottom	
"			0 2	153 1	15'	
"			+0 3	153 6	25	
T.P.	11 67	157 81	7 15	146 14	T.P.	
24+00			11 6	146 2		℄
"			11 6	146 2		6' bottom
"			3 7	154 1		15³ top
"			1 7	156 1		25
"			11 5	146 3	3° bottom	
"			3 9	153 9	15⁴ top	
"			3 9	153 9	25'	
25+00			10 8	147 0		℄
"			10 6	147 2		7.4 bottom
"			2 8	155 0		15.5
"			1 3	156 5		25'
"			10 9	146 9	3° bottom	

Profile Notes Red. ____ Plotted ____ Job No. 6222.00 Division No. ____ F. B. 1986 Pg. 3 49
No. ____ Date ____ Date ____ Survey of Michigan Ave Proj. #17
X-Sec. Notes Chkd. ____ Checked ____ Survey by N.R. Smith Notes H.E.E. Date 3-4-55
No. ____ Date ____ Date ____ Map No. ____ Made by Johnson Date ____

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F. B. 1986 Pg. 50 Job No. 622200 Division No. Notes Red. Plotted Profile
Survey of Michigan Ave Proj. #17 Date Date No.
Survey by N.R. Smith Notes H.E. Frank Notes Chkd. Checked X-Sec.
Indexed E. C. Johnson Date 3-4-55 Date Date No.

STATION	B. S.	H. I.	F. S.	ELEV.	Left	℄	Right
25+00		157 81	97	148 1	4° brk		
"			79	149 9	9° brk		
"			36	154 2	15³ top		
"			36	154 2	25'		
26+00			102	147 6		℄	
"			97	148 1			7° bottom
"			09	15[illegible] 9			15³ top
"			09	156 9			25'
"			97	148 1	2.5 bottom		
"			87	149 1	6' brk		
"			24	155 4	15⁵ top		
"			24	155 4	25'		
27+00			88	149 0		℄	
"			88	149 0			5° bottom
"			04	157 4			15⁴ top
"			05	157 3			25'
"			85	149 3	4° bottom		
"			16	156 2	15⁶ top		
"			00	157 8	25'		
T.P.	12 01	161 40	842	149 39	T.P.		
28+00			117	147 [illegible]		℄	

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STATION	B. S.	H. I.	F. S.	ELEV.	Left	℄ Right
28+00		161 40	121	149 3		6.6 bottom
"			25	158 9		14.8 top
"			25	158 9		25'
"			118	149 6	3.5 bottom	
"			100	151 4	6.0	
"			32	158 2	15.4	
"			30	158 4	25	
29+00			108	150 6		℄
"			109	150 5		4.7 bottom
"			16	159 8		15.4 top
"			15	159 9		25'
"			110	150 4	3.0 bottom	
"			27	158 7	15.5 top	
"			25	158 9	25	
30+00			100	151 4		℄
"			98	151 6		8° bottom
"			03	161 1		15° top
"			03	161 1		25'
"			102	151 2	3.5 bottom	
"			81	153 3	5.0 brk.	
"			17	159 7	15.8 top	

Profile Notes Red. ____ Plotted ____ Job No. 6222.00 Division No. ____ F. B. 1986 Pg. 5 51
No. ____ Date ____ Date ____ Survey of Michigan Ave Proj #17
X-Sec. Notes Chkd. ____ Checked ____ Survey by N.R. Smith Notes H.E.E. Date 3-4-55
No. ____ Date ____ Date ____ Map No. ____ Indexed C. Johnson Date ____

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F. B. 1986 Pg. 52 | Job No. 6222.00' | Division No. | Notes Red. | Plotted | No. | Profile
Survey of Michigan Ave Proj #17 | Date 2-4-55 | Date | No. | X-Sec.
Survey by N. B. Smith | Notes H. E. Frank | Notes Chkd. | Checked
Indexed K. C. Johnson | Date | Date | Date

STATION	B. S.	H. I.	F. S.	ELEV.	Left	℄	Right
30+00		161.40	17	15[illegible]7	25'		
31+00			86	152 8		℄	
"			87	152 7			7° bottom
"			04	16[illegible] 0			15' top
"			+06	16[illegible] 0			25'
"			86	152 8	4° bottom		
"			68	154 6	7° brk.		
"			07	16[illegible] 7	15° top		
"			07		25'		
T.P.	10.97	164.35	8.02	15[illegible]28	T.P.		
32+00			10.9	153 4		℄	
"			11.2	15[illegible] 1			6° bottom
"			06	16[illegible] 7			15°
"			06	163 7			25°
"			10.9	153 4	7° bottom		
"			18	16[illegible] 5	15° top		
"			20	162 3	25°		
33+00			9.5	15[illegible] 8		℄	
"			9.4	15[illegible] 7			7° bottom
"			10	152 3	163.3		15° top
"			+05	164 8			25'

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STATION	B. S.	H. I.	F. S.	ELEV.	Left	℄	Right
33+00		16435	95	1548	9° bottom		
"			15	1628	15° top		
"			15	1628	25°		
34+00			83	1560		℄	
"			87	1556			95
"			13	1630			155
"			+10	1653			25'
"			84	1559	9° bottom		
"			05	1638	15° top		
"			+15	1658	25°		
34+54 ±			79	1564		℄	
"			82	1561			85 bottom
"			04	1639			15° top
"			+16	1659			25°
"			60	1563	8.5 bottom		
"			03	1640	15' top		
"			+17	1660	25°		
34+55 ±			723	157.12		℄	
"			726	157.09			84 bottom conc. Drain
"			222	162.13			138 top " "
"			730	157.05	84 bottom conc. Drain		

Profile Notes Red. Plotted Job No. 6222.00 Division No. F. B. 1986 Pg. 53
No. Date Date Survey of Michigan Ave Proj. #17
X-Sec. Notes Chkd. Checked Survey by N. R. Smith Notes H.E.F. Date 3-4-55
No. Date Date Map No. Indexed Johnson Date

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F. B. 1986 Pg. 8-54 | Job No. 6222.00 | Division No. | Notes Red. | Plotted | Profile No.
Survey of Michigan Ave Proj #17 | Date 3-4-55 | Date | X-Sec. No.
Survey by N.R. Smith | Notes H.E. Fronk | Notes Chkd. | Checked
Indexed K.C. Johnson | Date | Date | Date

STATION	B. S.	H. I.	F. S.	ELEV.	Left	℄	Right
34+55 ?		16435	241	16194	13' top conc. Drain		
35+00			683	15752		℄	
"			682	15753			8.5 bottom conc Dr
"			161	16274			14° top Conc. Drain
"			00	16443			15' dirt bank
"			+20	16423			25'
"			685	15750	8.2 bottom conc. Drain		
"			190	16245	14° " " "		
"			+10	16553	15.5 top dirt bank		
"			+10	1653	25		
T.P.	990	16784	641	15794	T.P.		
35+37 ?			963	15821		℄	
"			956	15828			8.° bottom conc. Drain
"			460	16324			136 top " "
"			26	1652			15° Dirt bank
"			06	1672			25°
"			955	15829	8° bottom conc. Drain		
"			472	16312	13? top " "		
"			09	16279	16' " Dirt bank		
"			10	16278	25°		
36+00			522	16262		℄	

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STATION	B. S.	H. I.	F. S.	ELEV.	Left	℄ Right
36+00		167 84	513	162 71		8° bottom conc. Drain
"			040	167 44		13.4 top " "
"			+07	168 5		15 " Dirt bank
"			+07	168 5		25'
"			525	162 59	8° bottom conc Drain	
"			035	167 49	14° top " "	
"			+07	168 5	15 " Dirt bank	
"			+10	168 8	25'	
T.P.	908	173 25	367	164 17	T.P.	
36+37 6			809	165 16		℄ N. end concrete Drain
"			805	165 20		8.0 Bottom conc. Drain
"			328	169 97		13.4 top " "
"			33	169 9		15' " Dirt Bank
"			33	169 9		25'
"			810	165 15	8.0 Bottom conc. Drain	
"			329	169 96	14.0 top " "	
"			33	169 9	16.0 " Dirt Bank	
"			33	169 9	25'	
36+40 71 Angle Pt.			87	164 5		℄ So. P.L. of P.E. R/W line
"			88	164 4		8.0 Bottom dirt ditch
"			37	169 5		15° top " "

Profile Notes Red. ____ Plotted ____ Job No. 6222.00 Division No. ____ F.B. 1986 Pg. 9 55
No. ____ Date ____ Date ____ Survey of Michigan Ave. Proj #17
X-Sec. Notes Chkd. ____ Checked ____ Survey by H.E. Frank Notes H.E.F. Date 3-4-55
No. ____ Date ____ Date ____ Map No. ____ Indexed C. Johnson Date ____

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F. B. 1786 Pg. 56 | Job No. 622200 | Division No. | Notes Red. | Plotted | No. | Profile
Survey of Michigan Ave Proj #17 | Date 3-4-55 | Date | No. | X-Sec.
Survey by N. R. Smith | Notes H. E. Frank | Notes Chkd. | Checked
Indexed C. Johnson | Date | Date | Date | No.

STATION	B. S.	H. I.	F. S.	ELEV.	Left & Right
36+40 71		173 25	8 8	164 4	8' bottom dirt ditch
"			329	169 96	14' top conc. drain
"			33	169 9	16' top dirt bank
"			33	169 9	25'
B.M. KW-99			332	169 93	BM. KW-99 Elev 169.926 F.B. 1925-228 Michigan Ave Storm Drain & P.E. R/W S.W. Cor. Bt. spk 1' So. of N. end of W. wall of Drain.

Profile No.	Notes Red.	Plotted	Job No. 6222.00	Division No.	F. B. 1986 Pg. 157
	Date	Date	Survey of Michigan Ave Proj #17		
X-Sec. No.	Notes Chkd.	Checked	Survey by N.R. Smith	Notes H.E.F.	Date 3-4-55
	Date	Date	Map No.	~~Indexed~~ C. Johnson	Date

CI 6222.00

MICHIGAN AVE PROJECT #17

CROSS SECTIONS
on
STORM DRAIN
from
South P.L. of P.E. RY to Lambert Rd.

N.R. Smith
H. Fronk
J. Bazen
L. Bankson

STATION	B. S.	H. I.	F. S.	ELEV.

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STATION	B. S.	H. I.	F. S.	ELEV.	Left ℄	Right
B.M.KW-99	332	17325		169.93	B.M.KW-99 Elev.=169.93 F.B. 1925-228	
					Michigan Ave storm Drain & P.E.R/W, S.W. Cor.	
					Bt. SPK 1± So. of No. end of W. wall of Drain	
36+37.6			87	164.55	℄	
"			87	164.55		8.0 Bottom dirt ditch
"			37	169.55		15.0 top " "
"			37	169.55		25'
"			86	164.65	8.0 bottom dirt ditch	
"			332	169.93	14.0 top conc. drain	
"			33	169.95	16.0 " dirt	
"			33	169.95	25'	
36+75.7			85	164.75	℄	
"			85	164.75	0.5 bottom dirt ditch	
"			478	168.47	1.0 top conc. Bridge Base for	
"			31	170.15	5.0 top dirt bank	
36+76.9			87	164.55		11.5 bottom dirt ditch
"			439	168.86		12.0 top conc. Bridge Base for
"			25	170.75		15' top dirt bank
36+80.5			123	172.02	℄ Bottom of So. Rail	
"			0.85	172.40	℄ top of " "	
36+89.7			85	164.75	℄	

F. B. 1986 Pg. 2 58 Job No. 6222.00 Division No. Notes Red. Plotted Profile
Survey of Michigan Ave Proj #17 Date 3-4-55 Date No. X-Sec.
Survey by N.R. Smith Notes H.E. Frank Notes Chkd. Checked
Indexed C. Johnson Date Date No.

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STATION	B. S.	H. I.	F. S.	ELEV.	Left ℄	Right
36+89.7		173.25	8.7	164.5	1° bottom dirt ditch	
"			44.5	168.80	1.7 top conc. base for Bridge	
"			17	171.5	10' top dirt bank	
36+92.3			8.7	164.5		8° bottom ditch
"			44.7	168.78		10.4 top conc. base for bridge
"			17	171.5		15' top dirt bank
37+35.0			10.3	162.9		℄
"			9.4	163.8		4° bottom ditch
"			9.5	163.7	5° bottom ditch	
37+37.9			7.38	165.87		℄ top 30" steel irrigation line
37+41.9			7.02	166.23		℄
"			6.70	166.55		4.5 bottom conc. drain
"			2.71	170.54		9.0 top " "
"			2.7	170.5		10.0 top dirt bank
"			3.0	170.2		20'
"			6.77	166.48	4.7 bottom conc. ditch	
"			2.26	170.99	10.0 top " "	
"			2.3	170.9	11.0 " dirt bank	
"			2.3	170.9	20'	
38+00			6.46	166.79		℄
"			6.16	167.09		4.0 bottom conc. drain

Profile No. ____ X-Sec. No. ____
Notes Red. ____ Date ____ Notes Chkd. ____ Date ____
Plotted ____ Date ____ Checked ____ Date ____
Job No. 622200 Division No. ____
Survey of Michigan Ave Proj #17
Survey by M.R. Smith Notes HEF Date 3-4-55
Map No. ____ Indexed Johnson Date ____
F. B. 1986 Pg. 59

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F. B. 1986 Pg. 60 | Job No. 6222.00 | Division No. | Notes Red. | Plotted | No. | Profile
Survey of Michigan Ave Proj #17 | Date 3-4-55 | Date | No. | X-Sec.
Survey by NR Smith | Notes H.E. Evans | Notes Chkd. | Checked
Indexed C. Johnson | Date | Date

STATION	B. S.	H. I.	F. S.	ELEV.	Left	℄ Right
38+00		173 25	154	171 71		9.0 top conc. drain
"			15	17[illegible]7		10 ℄
"			15	17[illegible]7		20 ℄
"			615	167 10	4.3 bottom conc. ditch	
"			155	17[illegible]70	10' top conc. "	
"			15	171 7	20'	
38+30 7			613	16[illegible]12		℄
"			582	16[illegible]43		4.0 bottom conc ditch
"			120	17[illegible]5		9.0 top " "
"			01	173[illegible]		20
"			586	167[illegible]9	4.5 bottom conc. ditch	
			12	172[illegible]	10 top " "	
38+46 3			599	16[illegible]26	(All 3 Barrels = same elev)	℄ So. opening of Conc. Culvert
"			598	167 27		9.0 bottom conc. drain
"			092	172[illegible]3		13.2 top " "
"			597	16[illegible]8	9.0 bottom conc drain	
"			090	17[illegible]35	13.0 top " "	
"			10	172 2	20'	
38+51.6 ℄			166	171[illegible]	Top of 8" water line, runs	thru. box drain
T.P.	444	17679	090	17235	T.P.	
38+56 9			465	172[illegible]		℄ top curb
"			462	172[illegible]		10' top cb

76L298 307 8-53

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726 LOS ANGELES COUNTY ENGINEERING BLDG.

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Do not extend notes this side of this line.

STATION	B. S.	H. I.	F. S.	ELEV.	Left	℄ Right
38+56.9		176 79	452	17227		40' top cb
"			418	17261		100' " "
"			463	17216	10' top cb	
"			485	17194	40' " "	
"			498	17181	100' " "	
"			545	17134		℄ Gutter
"			529	17150		10' "
"			518	17161		40' "
"			484	17195		100' "
"			531	17148	10' Gutter	
"			551	17128	40' "	
"			559	17120	100 "	
38+76.33			462	17217		℄ Danbrook Drive
"			461	17218		10' ℄ " "
"			446	17233		40.0' " " "
"			413	17266		100.0' " " "
"			465	17214	10' ℄ Danbrook Dr	
"			478	17201	40 " " "	
"			495	17184	100'	
T.P.	496	177 13	462	17217	T.P. KW-100	
38+948			534	17179		℄ gutter at drain inlet

Profile Notes Red. ____ Plotted ____ Job No. 622200 Division No. ____ F. B. 1986 Pg. 5 61
No. ____ Date ____ Date ____ Survey of Michigan Ave Proj #17
X-Sec. Notes Chkd. ____ Checked ____ Survey by N.R. Smith Notes H.E.F. Date 3-4-55
No. ____ Date ____ Date ____ Map No. ____ Indexed E. Johnson Date ____

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STATION	B. S.	H. I.	F. S.	ELEV.		
		17713				
38+94.8			453	17260		℄
"			515	17198		10.0 gutter
"			448	17265		" Top Cb.
"			496	17217		40.0 gutter
"			430	17233		" Top Cb
"			472	17241		85.8 gutter at B.C.
"			406	17207		" Top Cb at B.C.
"			522	17191	10.0 gutter	
"			456	17257	" Top Cb.	
"			521	17192	40.0 gutter	
"			464	17249	" Top Cb.	
"			546	17167	100.0 gutter	
"			484	17229	" Top Cb.	
39+00			436	17277		℄ on walk over drain
+06.2			425	17288		℄ on Top of headwall
"			422	17291		14.0 " " "
"			431	17282	14.1 Top of Conc headwall	
"			933	16780		℄ on Conc. floor of Culvert
"			929	16784		9.0 " " " "
"			930	16783	9.0 on Conc. floor of Culvert	

F. B. 1986 Pg. 62 Job No. 6222.00 Division No. Notes Red. Plotted Profile
Survey of Michigan Ave Proj #17 Date 3-4-55 Date No. X-Sec.
Survey by N.B. Smith Notes H.E. Frank Notes Chkd. Checked
Indexed C. Johnson Date Date No.

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STATION	B. S.	H. I.	F. S.	ELEV.	Left	Right
		177 13				
39+21.9			932	167 81		℄ bottom of drain
"			901	168 12		4.6 " " "
"			439	172 74		9.6 Top of Conc. Wall of drain
"			906	168 07	4.1 bottom of drain	
"			441	172 72	9.5 Top of Conc. Wall of drain	
40+00			862	168 51		℄ bottom of drain
"			826	168 87		4.1 bottom of drain
"			376	173 37		9.4 Top of Conc. Wall of drain
"			320	173 93		20.0 ground
"			831	168 82	4.4 bot. of ditch.	
"			376	173 37	9.8 Top of Wall	
"			36	173 5	20.0 ground	
41+00			773	169 40		℄
"			750	169 63		4.0 bot. of drain
"			275	174 38		9.1 Top of Wall
"			17	175 4		20.0 ground
"			760	169 53	4.3 bot. of drain	
"			280	174 33	10.0 Top of Wall	
"			23	174 8	20.0 ground.	
T.P.	12 05	181 81	737	169 76		

Profile Notes Red. ____ Plotted ____ Job No. 622200 Division No. ____ F. B. 1986 Pg. 63
No. ____ Date ____ Date ____ Survey of Michigan Ave Prot #17
X-Sec. Notes Chkd. ____ Checked ____ Survey by N.R. Smith Notes N.R.S. Date 3-14-55
No. ____ Date ____ Date ____ Map No. ____ Indexed C. Johnson Date ____

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F. B. 1986 Pg. 64 | Job No. 6222.00 | Division No. | Notes Red. | Plotted | Profile No.
Survey of Michigan Ave Proj #17 | Date 3-14-55 | Date | X-Sec. No.
Survey by N.R. Smith | Notes N.R. Smith | Notes Chkd. | Checked
Indexed J. C. Johnson | Date | Date | Date | No.

STATION	B. S.	H. I.	F. S.	ELEV.	Left	Right
		181 81				
42+00			1155	17026		℄
"			1130	17051		4.0 bot of drain
"			663	17518		9.2 Top of Wall
"			46	1772		20.0 ground.
"			1134	17047	4.7 bot. drain	
"			668	17513	10.1 Top of Wall	
"			50	1768	20.0	
+50.3			1108	17073		℄ S. end of 60" Corrig Pipe Iron
"			1078	17103		4.9 bot. drain
"			618	17563		9.5 Top of Wall
"			47	171		20.0 ground
"			1078	171 3	4.6 bot. drain	
"			627	17564	9.8 Top of wall	
"			43	1775	20.0 ground	
"			480	17701		℄ on Top of Corrig Iron Pipe
				177 99		
T.P.	521	18320	384	~~177 97~~	on BM KW-101, Elev =	177.994
42+72.0			563	17757		℄ gutter
"			499	17821		℄ Top of Cb.
"			556	17764		10.0 gutter
"			491	17829		" Top of Cb

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STATION	B. S.	H. I.	F. S.	ELEV.	Left	Right
		183 20				
42+72.0			538	17782		50.0 gutter
"			474	17846		" top cb.
"			509	17811		150.0 gutter
"			445	17875		" cb.
"			558	17762	10.0 gutter	
"			499	17821	" cb.	
"			576	17744	50.0 gutter	
"			512	17808	" cb.	
"			596	17724	94.4 B.C. cb Ret	
"			532	17788	" B.C. cb Ret.	
42+74.0			549	17771		℄ N. edge conc gutter
"			541	17779		10.0 " " "
"			523	17797		50.0 " " "
"			496	17824		150.0 " " "
"			550	17770	10.0 N. edge Conc. gutter	
"			562	17758	50.0 " " " "	
"			584	17736	94.4 " " " " at	B.C. cb Ret.
+77.09=P.I.			528	17792		℄
42+88.50			486	17834		℄ = ½ dist ℄ St. To cb.
"			479	17841		10.0 " " "

Profile Notes Red. ____ Plotted ____ Job No. 6222.00 Division No. ____ F. B. 1986 Pg. 65
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X-Sec. Notes Chkd. ____ Checked ____ Survey by W.R. Smith Notes W.R.S. Date 3-14-55
No. ____ Date ____ Date ____ Map No. ____ Indexed Johnson Date ____

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STATION	B. S.	H. I.	F. S.	ELEV.		
		183 20				
42+88.5			465	17855		50.0 ½ dist. bet. ℄ st & Cb
"			427	17893		150.0 " " " "
"			490	17830	10.0 ½ dist. bet ℄ st & Cb.	
"			504	17816	50.0 " " "	
"			507	17813	94.4 " " " " opp	B.C.R.
43+00			460	17860		℄
+06.07			453	17867	= ℄ Int Lambert Rd &	Proposed drain
"			456	17864		10.0 ℄ Lambert Rd
"			427	17893		50.0 " " "
"			369	17951		150.0 " " "
"			456	17864	10.0 - ℄ Lambert Rd	
"			460	17860	50.0 " " "	
"			475	17845	150.0 " " "	
43+17.6			463	17857		℄ = ½ dist. from ℄ st. to N. edge prmt
"			456	17864		10.0 " " "
"			429	17891		50.0 " " "
"			379	17941		150.0 " " "
"			466	17854	10.0 ½ dist bet. ℄ st & N. edge prmt.	
"			465	17855	50.0 " "	" "
"			469	17851	150.0 " "	" "

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Survey of Michigan Ave Proj. #17 Date Date No. X-Sec.
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Indexed C. Johnson Date Date Date No.

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STATION	B. S.	H. I.	F. S.	ELEV.		
		183 20				
43+28.9			509	178 11		℄ = N. edge Pvmt.
"			506	178 14		10.0 " "
"			465	178 55		50.0 " "
"			407	179 13		150.0 " "
"			502	178 18	10.0 N. edge Pvmt.	
"			497	178 23	50.0 " "	
"			490	178 30	150.0 " "	
43 +27.4			543	177 77		8.2 Top of drain inlet.
43+38.3			39	179 3		℄ ground.
"			1185	171 35		12.7 Invert of drain pipe Corrg Iron
						5.5 5.5
43+40.4			32	180 0		℄ ground
"			411	179 09		22.0 Top of cobble stone wall
"			930	173 90		20.0 bot " " "
43+44.3			358	179 62		℄ Top of cobble stone wall
"			85	174 7		℄ bot. " " " "
+48.9			92	174 0		℄ ground
"			349	179 71		10.0 Top of cobble stone wall

Profile Notes Red. ____ Plotted ____ Job No. 6222.00 Division No. ____ F. B. 1986 Pg. 67
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No. ____ Date ____ Date ____ Map No. ____ Indexed C. Johnson Date ____

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STATION	B. S.	H. I.	F. S.	ELEV.	Left	Right
		183 20				
43+50			90	1742		℄ ground
"			111	1721		3.5 bot. ditch
"			108	1724		9.0 " "
"			70	1762		18.0 bot steep bank
"			24	18[illegible]8		19.0 Top " "
"			20	181[illegible]		30.0 ground
"			66	1766	5.0 break	
"			24	18[illegible]8	13.0 "	
"			34	17[illegible]8	23.0 ground	
+78.9			109	172[illegible]		℄ bot. ditch
"			109	172[illegible]		12.5 ground
"			856	174[illegible]4		" floor of Conc Apron of Culvert under RR
"			99	17[illegible]	7.0 ground, break	
"			24	180[illegible]8	11.0 " Top break	
"			25	180[illegible]	21.0 ground	
+81.5			107	17[illegible]		℄ ground
"			861	174[illegible]9		℄ floor of Conc Apron
+83.9			860	174[illegible]		℄ " " " "
"			869	174[illegible]	4.7 floor of Apron	
			146	181[illegible]4	Top of S. end of Culvert.	

F. B. 1986 PG. 68 12 Job No. 6222.00 Division No. Notes Red. Plotted Profile
Survey of Michigan Ave proj #17 Date Date No.
Survey by N.R. Smith Notes N.R.S. 3-14-55 Notes Chkd. Checked X-Sec.
Indexed C. Johnson Date Date Date No.

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STATION	B. S.	H. I.	F. S.	ELEV.	Left	Right
		18320				
43+99.5			047	18273		℄ bottom of S. Rail
"			004	18316		Top " " "
"			048	18272		10.0 bottom of rail
"			005	18315		" Top " "
"			046	18274		20.0, bottom of rail
"			003	18317		" Top of rail
"			048	18272	10.0 bot. of rail	
"			005	18315	" Top " "	
"			045	18275	20.0 bot of rail	
"			007	18313	" Top " "	
44+00			05	1827		℄
+02.22			05	1827		℄ = ℄ of rails
T.P.	453	186 28	145	181 75	on + on E. end headwall	
44+12.5			45[illegible]	18178		℄ Top of headwall
"			113[illegible]	17489		Invert of box drain
+20.3			112[illegible]	17500		℄ N. edge of conc Apron
"			1[illegible]0	1753		7.0 bot. of ditch
"			70	1793		9.0 break
"			52	1811		14.0 ground
"			113	1750	2.0 bot. drain	

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STATION	B. S.	H. I.	F. S.	ELEV.	Left	Right
		186 28				
44+20.3			70	1793	3,0 break	
"			56	1807	10,0 ground	
"			53	1810	15,0 "	
44+31.04			11 1	1752		℄ Angle pt.
"			10 8	1755		6,0 bot ditch
"			36	1827		12,0 break
"			30	1833		20,0 ground
"			10 8	1755	2,0 bot. ditch	
"			39	1824	6,5 break	
"			42	1821	10,0 ground	
"			43	1820	20,0 "	
44+60.0			10 7	1756		℄ bot. ditch
"			10 4	1759		5,5 " "
"			28	1835		13.0 break
"			33	1830		23.0 ground
"			10 1	1762	3.0 bot. ditch	
"			19	1844	11.5 brk top ditch	
"			19	1844	15,0 ground	
"			00	1863	25.0 "	
45+00			10 2	1761		℄ bot ditch

F. B. 1986 PG. 70 Job No. 6222.00 Division No. Notes Red. Plotted Profile
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Indexed C. Johnson Date Date Date No.

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STATION	B. S.	H. I.	F. S.	ELEV.		℄
45+00		186 28	102	176 08		6.0 bot ditch
"			17	184 58		13.5 top brk
"			24	183 88		16.5 ground
"			25	183 78		32.0 "
"			102	176 08	2.0 bot ditch	
"			16	184 68	11.0 top ditch	
"			20	184 28	16.0 ground	
"			10	185 28	26.0 "	
T.P.	460	187 82	306	183 22	T.P. K.W.-102 Elev. = 183.231	
45+35.88 PI			99	1779		℄ 90° to line back
"			109	1769		2° bot ditch W. side
"			110	1768		11° " " E. side
"			88	1790		11° brk.
"			28	1850		18.5 top brk
"			10	1868		28.0 ground
"			30	1848	9.5 top ditch	
"			41	1837	14.5 ground.	
45+49.3			824	179 58		1.1 x 1.8 corr. 13.8 Flowline iron drain
45+53.6			1182	176 00		℄ Flowline ctr of Drain
"			10.6	1772		6.5 bot ditch
"			108	1770	6.5 bot ditch	

Profile Notes Red. ____ Plotted ____ Job No. 6222.08 Division No. ____ F. B. 1986 Pg. 15 71
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STATION	B. S.	H. I.	F. S.	ELEV.	Left	℄ Right
45+53.8		[illegible]782	391	18391		℄ Top of Head wall.
"			382	18400		15.5 " " "
"			369	18413	16.0 top of Head wall	
45+54.5			435	18347		℄ side walk.
			435	18347		16 " "
			435	18347		26 " "
"			429	18353	16.0 side walk	
"			420	18362	26.0 " "	
45+60.4			710	18072		23.5 N. end of 1.1 X 1.8 corr. iron Drain
45+63.9			454	18328		℄ top curb
"			554	18228		℄ gutter
"			456	18326		10' top cb.
"			518	18264		10' gutter
"			460	18322		24.0 top cb
"			562	18220		24.0 gutter
"			428	18354		50' top cb
"			491	18291		50' gutter
"			399	18323		150' top cb
"			460	18322		150' gut.
"			451	18331	10' top cb	
"			510	18272	10' gut	

F. B. 1986 Pg. 16 72 Job No. 6222.00 Division No. Notes Red. Plotted Profile
Survey of Michigan Ave Project #17 Date 3-16-55 Date No.
Survey by N.R. Smith Notes H.E. Frank Notes Chkd. Checked X-Sec.
Indexed A. C. Johnson Date Date No.

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STATION	B. S.	H. I.	F. S.	ELEV.	Left	℄ Right
45+63.9		187 82	430	18352	50' top cb.	
"			491	18291	50' gut	
"			417	18365	150' top cb.	
"			480	18302	150 gut	
45+78.88			468	18314		℄ Dittmar Drive
45+93.9			455	18327		℄ top cb
"			536	18246		℄ gutter
"			450	18332		10' top cb
"			515	18267		10' gut
"			425	18357		50' top cb
"			493	18289		50' gut
"			414	18368		105' top cb.
"			470	18312		105' gut
"			446	18336	10' top cb.	
"			511	18271	10' gut.	
"			428	18354	50' top cb.	
"			491	18291	50' gut.	
"			421	18361	99' top	
"			483	18299	99' gut	
46+03.0			412	18370		℄
"			419	18363		20' back of walk

Profile Notes Red ____ Plotted ____ Job No. 622200 Division No. ____ F. B. 1986 Pg. 17 73
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No. ____ Date ____ Date ____ Map No. ____ Date ____

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STATION	B. S.	H. I.	F. S.	ELEV.	Left	℄ Right
46+03.0		187 82	415	18[illegible]67	20' back of walk.	
46+03.9			319	184[illegible]		℄ top head wall
"			310	18[illegible]72		15.5 " " "
"			320	18[illegible]62	10.3 top head wall	
"			1109	17[illegible]73		℄ Flowline N. end culvert
"			111	1767		6.5 bot ditch
"			32	18[illegible]6		12.5 top "
"			30	18[illegible]		19.0 ground.
"			111	17[illegible]	6.5 bot ditch	
"			32	18[illegible]6	10.5 top ditch	
"			30	184[illegible]	20.5 ground.	
T.P.	450	189 23	309	18[illegible]73	T.P. N.E. Cor of Head wall	
47+00			116	17[illegible]6		℄
"			115	17[illegible]		2' bot ditch
"			16	18[illegible]		12' top "
"			15	18[illegible]		22' ground
"			113	17[illegible]	5' bot ditch	
"			21	18[illegible]	12' top "	
"			20	18[illegible]	25' ground	
48+00			97	17[illegible]		℄
"			104	1781		5' bot ditch

F. B. 1986 PG. 74 18 Job No. 6222.00 Division No. Notes Red. Plotted Profile
Survey of Michigan Ave Proj #17 Date 3-16-55 Date No.
Survey by N.R. Smith Notes H.E. Frank Notes Chkd. Checked X-Sec.
Indexed K. C. Johnson Date Date No.

76L298 307 8-53

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STATION	B. S.	H. I.	F. S.	ELEV.	Left	℄ Right
48+00		189 23	36	1856		5' brk
"			+10	1902		17' top ditch
"			10	1882		25' ground
"			85	1807	6' bot ditch	
"			22	1870	15 top "	
"			+06	1898	20 ground	
T.P.	1180	193 32	771	18152	T.P.	
49+00			93	1840		℄ E. side bank
"			21	1912		12.0 top break
"			05	1928		25' ground
"			116	1817	2' bot E. side ditch	
"			114	1819	9' " W. " "	
"			07	1926	15' top ditch	
"			+13	1946	25 ground	
50+00			94	1839		℄
"			95	1838		2.0 bot ditch
"			06	1927		11' top "
"			10	1923		20' ground
"			91	1842	2' bot ditch	
"			+07	1940	15' top "	
"			15	1918	25' ground	

Profile Notes Red ____ Plotted ____ Job No. 6222.00 Division No. ____ F. B. 1986 Pg 75
No. ____ Date ____ Date ____ Survey of Michigan Ave Proj #17
X-Sec. Notes Chkd ____ Checked ____ Survey by D.R. Smith Notes H.E.E. Date 3-16-55
No. ____ Date ____ Date ____ Map No. ____ Inked Johnson Date ____

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STATION	B. S.	H. I.	F. S.	ELEV.	Left	℄ Right
		193 32				
T.P.	1178	19898	612	18[illegible]20	T.P.	
51+00			122	1868		℄
"			120	1870		2' bot ditch
"			43	1[illegible]41		12' top "
"			40	1[illegible]		25' ground
"			120	18[illegible]	9' bot ditch	
"			30	196[illegible]	16' top "	
"			10	19[illegible]	25' ground	
52+00			101	1889		℄
"			100	18[illegible]		1' bot ditch
"			32	1958		10' top "
"			30	19[illegible]		20' ground
"			102	1888	6.5 bot ditch	
"			12	1978	16.5 top "	
"			24	1966	25' ground	
53+00			75	1915		℄
"			74	1916		3.5 bot ditch
"			00	19[illegible]		12' top "
"			00	19[illegible]		25' ground
"			72	1918	7.0 bot ditch	
"			+12	2002	17.0 top "	

F. B. 1986 Pg. 2076 Job No. 622200 Division No. Notes Red. Plotted Profile
Survey of Michigan Ave Proj #17 Date 3-16-55 Date No.
Survey by N.R. Smith Notes H.E. Frank Notes Chkd. Checked X-Sec.
Indexed K. C. Johnson Date Date No.

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STATION	B. S.	H. I.	F. S.	ELEV.	Left	℄ Right
53+00		198.98	0.0	199.0	25' ground	
53+35.56			7.94	191.04		℄ Flowline Culvert so. end
"			7.1	191.9		5.5 bot ditch (dirt)
"			+1.0	200.0		13.0 top "
"			0.0	199.0		25.0 ground
"			+1.7	200.7	4.5 bot ditch	
"			1.5	198.5	17.0 top ditch	
T.P.	6.67	204.36	1.29	197.69	T.P. rock 1' so. of	W. end of wing wall
53+35.56			4.99	199.37		10.5' E. top of Head wall
"			4.95	199.41	14.8' W. Top of Head wall	
"			4.8	199.6	25' ground	
53+39.56			11.61	192.75		5.4 Flowline 24" conc. Drain Pipe
53+44.9			4.93	199.43		℄ top cb
"			5.58	198.78		℄ gutter
"			4.97	199.39		10' top cb.
"			5.59	198.77		10' gutter
"			5.09	199.27		50' top cb.
"			5.70	198.66		50' gutter
"			5.36	199.00		105' top cb.
"			5.94	198.42		105' gutter
"			5.01	199.35	10' top cb	
"			5.59	198.77	10' gutter	

Profile No. ____ Notes Red ____ Plotted ____ Job No. 62220 Division No. ____
X-Sec. No. ____ Date ____ Date ____ Survey of Nightingale Ave Proj #17 F. B. 1986 Pg. 77
Notes Chkd ____ Checked ____ Survey by N.R. Smith Notes HEE Date 3-16-55
Date ____ Date ____ Map No. ____ Indexed Job No. ____ Date ____

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STATION	B. S.	H. I.	F. S.	ELEV.	Left	℄ Right
53+44 9		20436	516	19920	50' top cb	
"			579	19857	50' gutter	
"			533	19903	99' top cb	
"			597	19839	99' gutter	
53+60 56			500	19936		℄ Carnell St
53+75 8			454	19982		℄ top cb
"			511	19925		℄ gutter
"			447	19989		10' top cb
"			510	19926		10' gut
"			469	19967		50 top cb
"			528	19908		50 gut
"			489	19947		105 top cb
"			544	19892		105 gutter
"			453	19983	10' top cb	
"			508	19928	10' gutter	
"			463	19973	50' top cb	
"			520	19916	50'	
"			503	19933	150'	
"			562	19874	150	
53+84 5			438	19998		℄ back of walk
"			436	2[illegible]00		20' " " "

F. B. 1986 Pg. 78 Job No. 622200 Division No. Notes Red. Plotted Date 3-16-55 No. Profile
Survey of Michigan Ave Proj #17 Date No. X-Sec.
Survey by N.R. Smith Notes H.E. Fronk Notes Chkd. Checked
Indexed A. C. Johnson Date Date No.

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STATION	B. S.	H. I.	F. S.	ELEV.	Left	℄	Right
53+84.5		20436	434	20002	20' back of walk		
53+85.56			402	20034			14.8 E. top of head wall
"			398	20038	21.4 W. top of Head wall		
"			1237	19199		℄	Flow line center of Drain
"			1217	19219			5.4' Flow line E. edge
"			1217	19219	3.8' Flow line W. edge		
T.P.	398	20338	496	19940	T.P.B.M. KW-104		
53+85.5			113	1921		℄	dirt ditch
"			112	1922			5.5 bot dirt ditch.
"			37	1997			14.5 top "
"			112	1922	4.0 bot dirt ditch		
"			31	2003	20.5 top " "		
54+00			116	1918		℄	
"			115	1919			3.0. bot ditch
"			32	2004			14 top "
"			30	2004			25.0 ground
"			114	1920	4.0 bot ditch		
"			30	2004	20.0 top "		
"			30	2004	25' ground		
55+00			93	1941		℄	
"			92	1942			4.0 bot ditch

Profile Notes Red. ____ Plotted ____ Job No. 422200 Division No. ____ F. B. 1986 Pg. 79
No. ____ Date ____ Date ____ Survey of Michigan Ave Proj #17
X-Sec. Notes Chkd. ____ Checked ____ Survey by H.E. Frank Notes H.E.F. Date 3-17-55
No. ____ Date ____ Date ____ Map No. ____ Indexed Jobnson Date ____

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STATION	B. S.	H. I.	F. S.	ELEV.	Left	℄ Right
55+00		20338	07	2027		11' top ditch.
"			10	2024		25' ground
"			91	1943	4' bot ditch	
"			10	2024	14' top "	
"			10	2024	25 ground.	
T.P.	1126	20819	645	19693	T.P. N. end of conc block	
55+96.7			990	19829	3 6 Flowline of 24" conc	Drain Pipe E. end
"			899	19920	101.5 " " " " "	" " W. end
55+98.6			104	1978		℄
"			104	1978		℄
"			105	1977		4.0 bot ditch
"			40	2042		14.0 top "
"			40	2042		20' ground.
"			105	1971	4.0 bot ditch	
"			46	2036	10.0 top "	
"			462	20357	16.0 top cb	
"			524	20295	16.0 gutter	
"			505	20314	50.0 top cb	
"			566	20253	50.0 gut	
"			548	20271	101.0 top cb	
"			608	20211	101.0 gut	

F. B. 1986 Pg. 80 Job No. 6222.00 Division No. Notes Red. Plotted No. Profile
Survey of Michigan Ave Prot #17 Date 3-17-55 Date No. X-Sec.
Survey by N.R. Smith Notes H.E. Fronk Notes Chkd. Checked
Indexed K. C. Johnson Date Date No.

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STATION	B. S.	H. I.	F. S.	ELEV.	Left	℄	Right
56+06		20819	468	20351	16' pvm't		
"			521	20298	50' "		
"			556	20263	103' "	brk	higher to west
56+13.62			433	20386	16' "	℄ Putnam	
"			485	20334	50' "	" "	
"			522	20297	103' "	" "	brk. higher to west
56+21			432	20387	16' pvm't		
"			477	20342	50' "		
"			520	20299	103' "	brk.	higher to west
56+28.6			400	20419	16.0 top cb		
"			460	20359	16.0 gut		
"			438	20381	50.0 top cb		
"			496	20323	50.0 gut		
"			485	20334	101.0 top cb		
"			561	20258	101.0 gutter		
57+00			75	2007		℄	
"			73	2009			3.0 bot ditch
"			26	2056			9.5 top "
"			25	2057			20.0 ground
"			73	2009	2.0 bot ditch		
"			18	2064	9.0 top "		

Profile Notes Red. ____ Plotted ____ Job No. 622200 Division No. ____ F. B. 1986 Pg. 81
No. ____ Date ____ Date ____ Survey of Michigan Ave Proj #17
X-Sec. Notes Chkd. ____ Checked ____ Survey by N.B. Smith Notes H.F.E. Date 3-18-55
No. ____ Date ____ Date ____ Map No. ____ Indexed Johnson Date ____

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F. B. 1986 Pg. 82 Job No. 622200 Division No. Notes Red. Plotted No.
Survey of Michigan Ave Proj #17 Date 3-18-55 Date Profile
Survey by N.R. Smith Notes H.E. Frank Notes Chkd. Checked X-Sec.
Indexed C. Johnson Date Date Date No.

STATION	B. S.	H. I.	F. S.	ELEV.	Left ℄	Right
57+00		20819	18	2064	20.0 ground	
T.P.	1165	21352	652	20167	T.P.	
58+00			114	2021	℄	
"			115	2020		6.0 bot ditch
"			59	2076		7.0 top "
"			48	2087		20.0 ground
"			115	2020	1.0 bot ditch	
"			46	2089	7.5 top "	
"			58	2077	20.0 ground	
59+00			98	2037	℄	bot ditch
"			100	2035		1.0 bot ditch
"			31	2104		7.0 top "
"			30	2105		20.0 ground
"			100	2035	4.0 bot ditch	
"			23	2112	9.0 top "	
"			40	2095	20.0 ground	
60+00			74	2061		2.0 bot ditch
"			77	2118		7.5 top "
"			75	2060	℄	
"			75	2060	5.0 bot ditch	
"			08	2127	9.5 bot "	

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STATION	B. S.	H. I.	F. S.	ELEV.	Left	℄ Right
60+00		213 52	13	2122	20.0 ground	
T.P.	1172	218 67	657	20695	T.P.	
61+00			107	2080		℄ bot ditch
"			105	2082		4.0 " "
"			43	2144		8.0 top "
"			43	2144		20.0 ground
"			106	2081	5.0 bot ditch	
"			57	2130	8.0 top "	
"			56	2131	20.0 ground	
62+00			95	2092		℄ bot ditch
"			94	2093		2.0 " "
"			26	2161		7.0 top "
"			25	2162		20.0 ground
"			95	2092	4.0 bot ditch	
"			28	2159	10.0 top "	
"			30	2157	20.0 ground	
63+00			77	2110		℄ bot ditch
"			78	2109		1.0 " "
"			00	2187		8.0 top "
"			01	2186		20.0 ground
"			76	2111	6.0 bot ditch	

Profile Notes Red. Plotted Job No. 622200 Division No. F. B. 1986 Pg. 83
No. Date Date Survey of Michigan Ave Proj #17
X-Sec. Notes Chkd. Checked Survey by N.R. Smith Notes H.E.F. Date 3-18-55
No. Date Date Map No. Date

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STATION	B.S.	H. I.	F. S.	ELEV.	Left	℄ Right
63+00		21867	02	2185	11.5 top ditch	
"			00	2187	20.0 ground	
T.P.	1144	22399	612	21[illegible]	T.P.	
63+95			100	2140		℄ bot ditch
"			100	2140		1.0 " "
"			35	2205		8.0 top "
"			99	2141	5.5 bot ditch	
"			30	2210	11.5 top "	
"			30	2210	20.0 ground	
64.03			966	21433	2.0 Ctr. Flowline of Conc. Box 4.0 culvert	
"			30	2210	11.5 top bank	
"			30	2210	20.0 ground	
"			32	2208		8.0 top bank
"			31	2209		20.0 ground.
T.P.	489	22577	311	22088	T.P. 2X2 stk	
64+18.3			486	22091		℄ top cb
"			529	22048		℄ gutter
"			487	22090		10' top cb
"			538	2203[illegible]		10' gut
"			518	220[illegible]9		50' top cb
"			584	21[illegible]3		50' gut

F. B. 1986 Pg. 84 Job No. 6222.00 Division No. Notes Red. Plotted No. Profile
Survey of Michigan Ave Proj #17 Date 3-18-55 Date X-Sec.
Survey by N.R. Smith Notes H.E. Frank Notes Chkd. Checked No.
Indexed C. Johnson Date Date Date

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STATION	B. S.	H. I.	F. S.	ELEV.	Left	℄ Right
64+18.3		225 77	545	22032		1[illegible].5 top cb
"			609	21968		102.5 gutter
"			491	22086	10.0 top cb	
"			536	22041	10.0 gutter	
"			539	22038	50.0 top cb	
"			582	21995	50.0 gutter	
"			596	21981	103.5 top cb	
"			639	21938	103.5 gutter	
BM-KW-106			545	22032	BMKW-106 Elev.=220.350 F.B. 1925-230 Jacmar Ave & Oak St. S.W. Cor. Bt. Spk in cb. 1'W. W. end C.R.	

Profile Notes Red. ____ Plotted ____ Job No. 622200 Division No. ____ F. B. 1986 Pg. 85
No. ____ Date ____ Date ____ Survey of Michigan Ave Proj #17
X-Sec. Notes Chkd. ____ Checked ____ Survey by N.R. Smith Notes H.E.E. Date 3-18-55
No. ____ Date ____ Date ____ Map No. ____ Indexed Johnson Date ____

F. B. 1986 Pg. 86 | Job No. 622200 | Division No. | Notes Red. | Plotted | Profile

Survey of Michigan Ave Proj #17 | Date 3-18-55 | Date | No.

Survey by N.R. Smith | Notes H.E. Frank | Notes Chkd. | Checked | X-Sec.

Indexed C. Johnson | Date | Date | Date | No.

STA.	B. S.	H. I.	F. S.	ELEV.

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1986 87

F. B. _____ Pg. _____

Notes Ck'd by _____	Survey of Michigan Ave Proj #17
Map No. _____	W. O. 6222.00 Tape No. 214 St'd. 68° °F
Office Work _____	Surveyed by N.R. Smith
Checked _____	Notes _____ Date 3-18-55
Date _____	Indexed R. C. Johnson 2-15-55

C.I. 6222.00

MICHIGAN AVE PROJECT #17

LOCATION of IMPROVEMENTS on MICHIGAN AVE STORM DRAIN between SECOND STREET & SIXTH STREET.

N.R. Smith
M. Frank
J. Bozen
L. Bonkson

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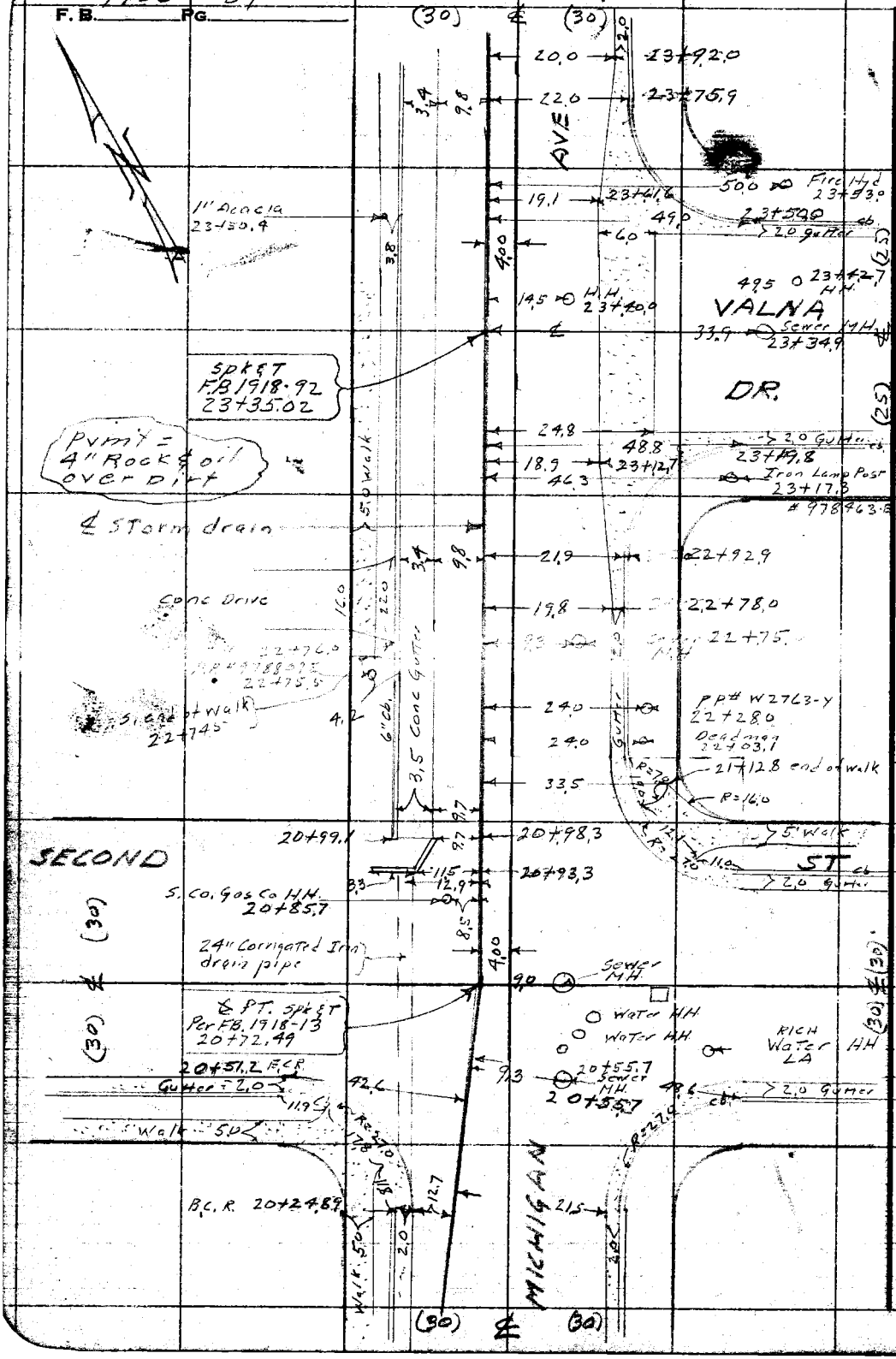
76F3095 247 4-53

1986 88

See bot Pg 89

F.B. _____ PG. _____



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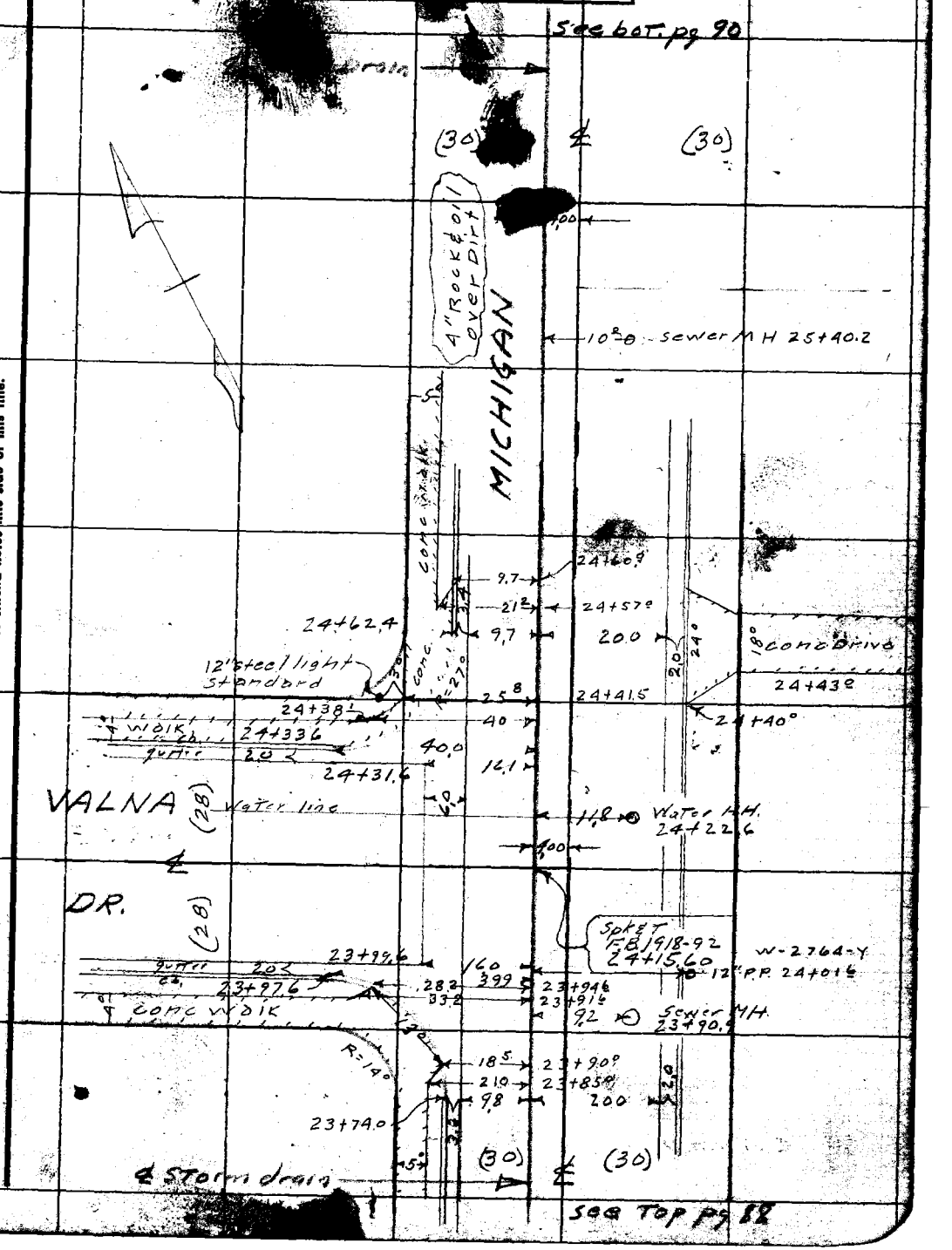
1986 F.B. 89 PG.

Notes Ck'd by
Map No.
Office Work
Checked
Date

Survey of Michigan Ave Proj #17
W. O. 6222.00 Tape No. 0164 St'd. 68 °F
Surveyed by N. R. Smith
Notes Date 3-21-55
Indexed C. Johnson



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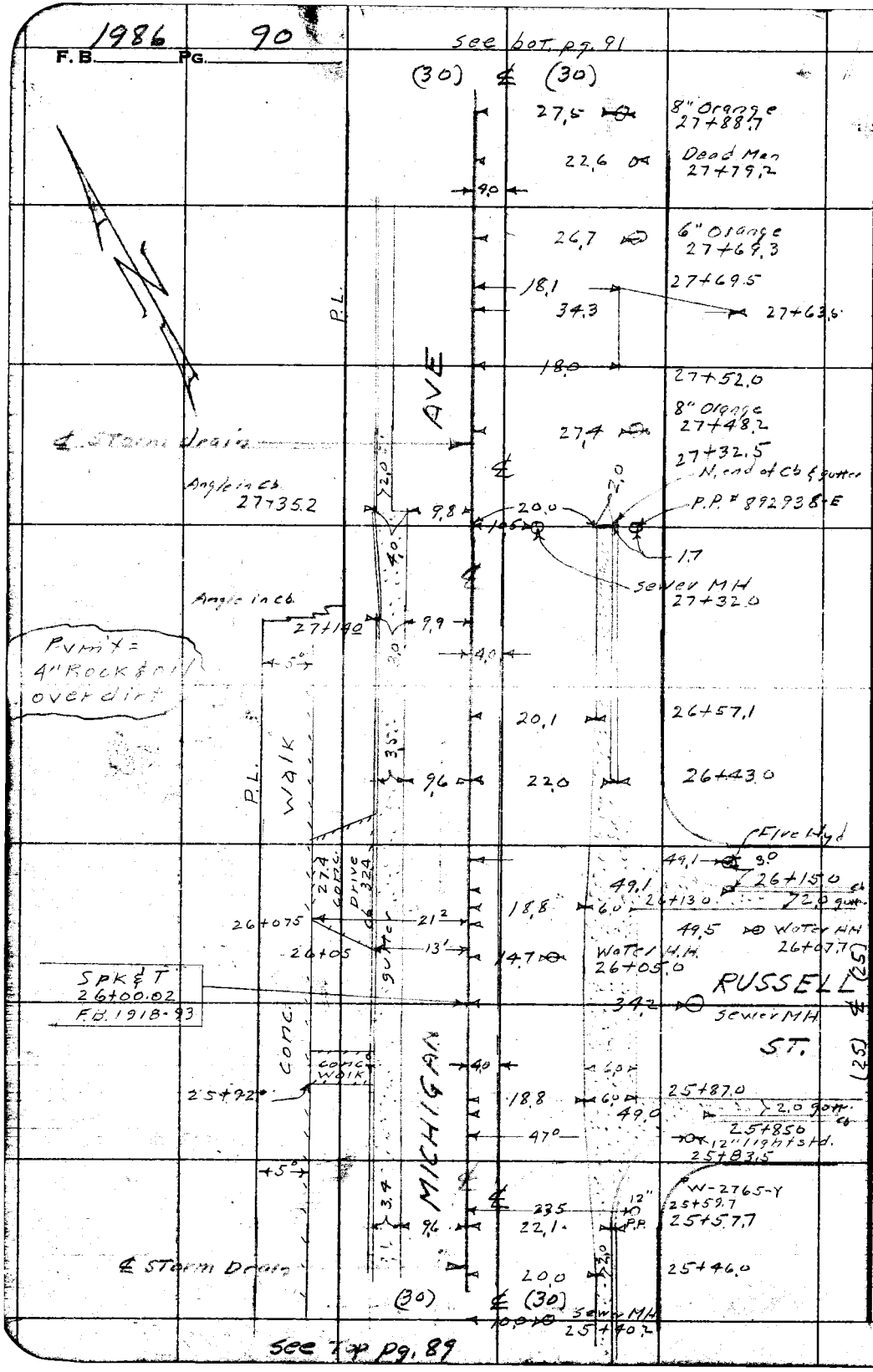
76F3098 247 4-58

1986 90

F.B. _____ PG. _____



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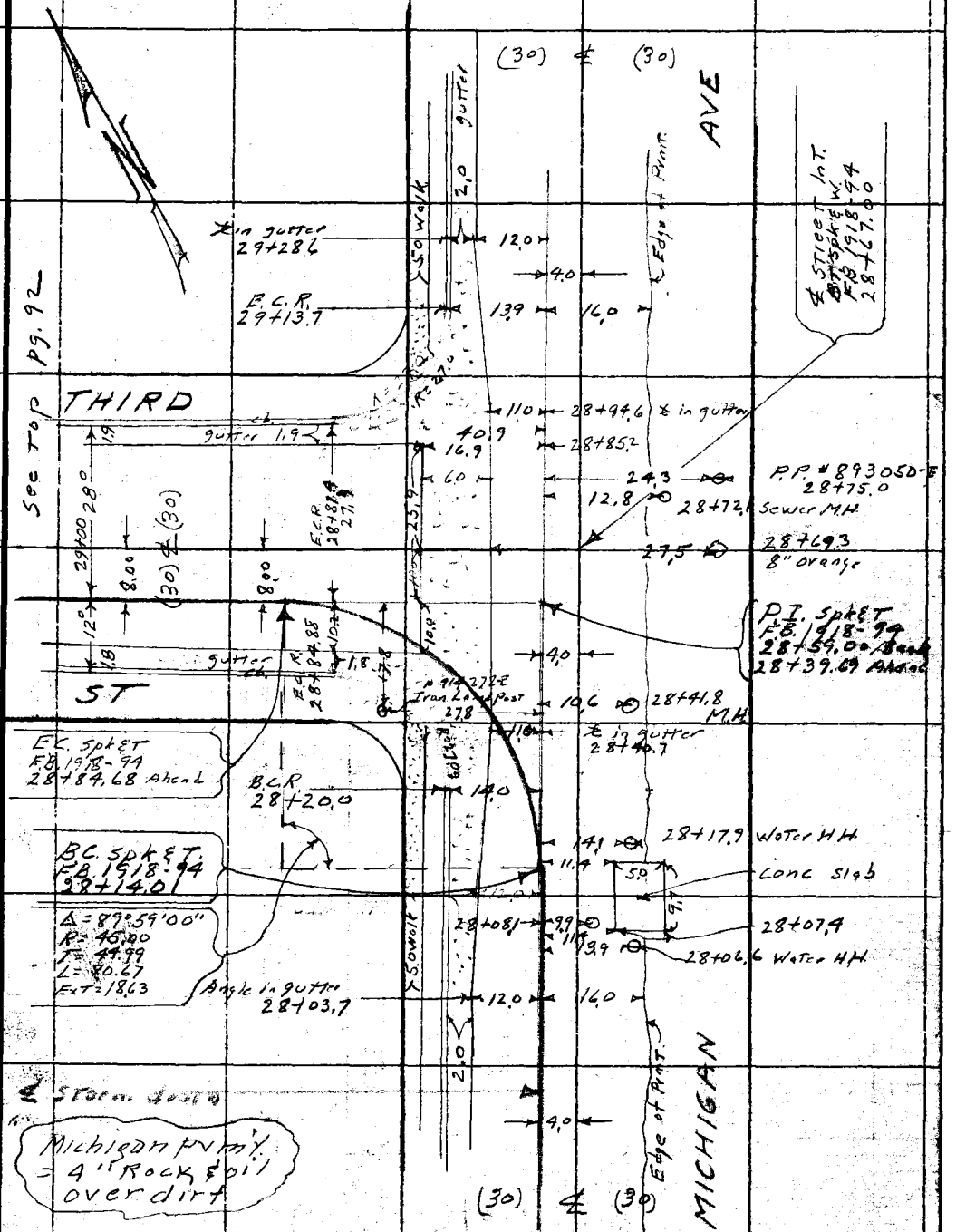
1986 91

F.B. _____ PG. _____

Notes Ck'd by _____	Survey of Michigan Ave Pkg #17
Map No. _____	W. O. 6222.00 Tape No. 0164 St'd. 68° °F
Office Work _____	Surveyed by N. R. Smith
Checked _____	Notes _____ Date 3-21-55
Date _____	Indexed C. Johnson



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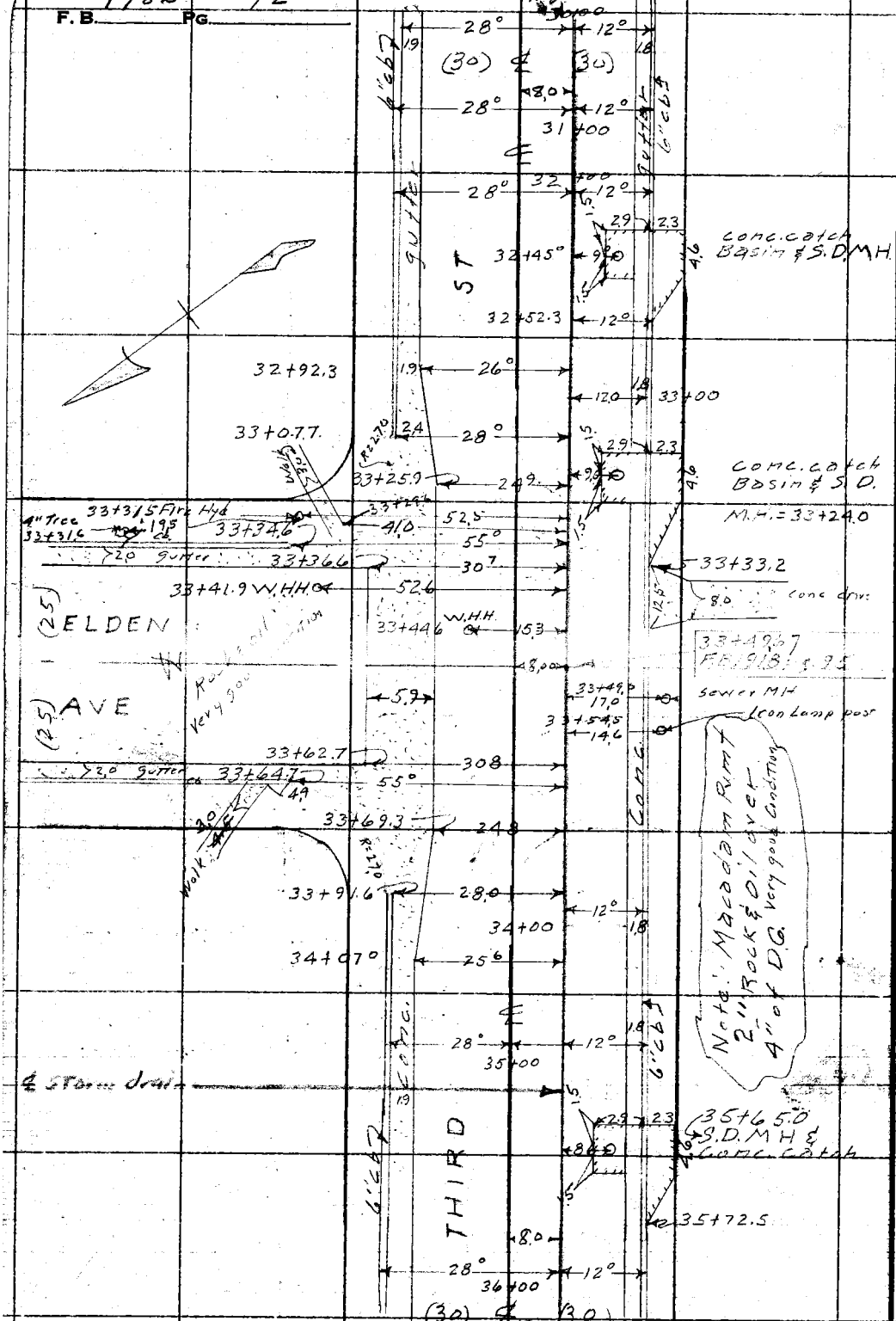
726 LOS ANGELES COUNTY
ENGINEERING BLDG.

76F2008 247 4-55

1986 92 See left Pg. 91

F.B. _____ Pg. _____



See Top Pg. 94

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1986 93

F. B. _____ Pg. _____

Notes Ck'd by _____	Survey of Michigan Ave Proj #17
Map No. _____	W. O. 6222.00 Tape No. 2164 St'd. 68 °F
Office Work _____	Surveyed by N.R. Smith
Checked _____	Notes N.R.S. Date 3-22-55
Date _____	Indexed R. C. Johnson

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726 LOS ANGELES COUNTY
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76F3098 247 4-55

1986 94

F. B. _____ PG. _____

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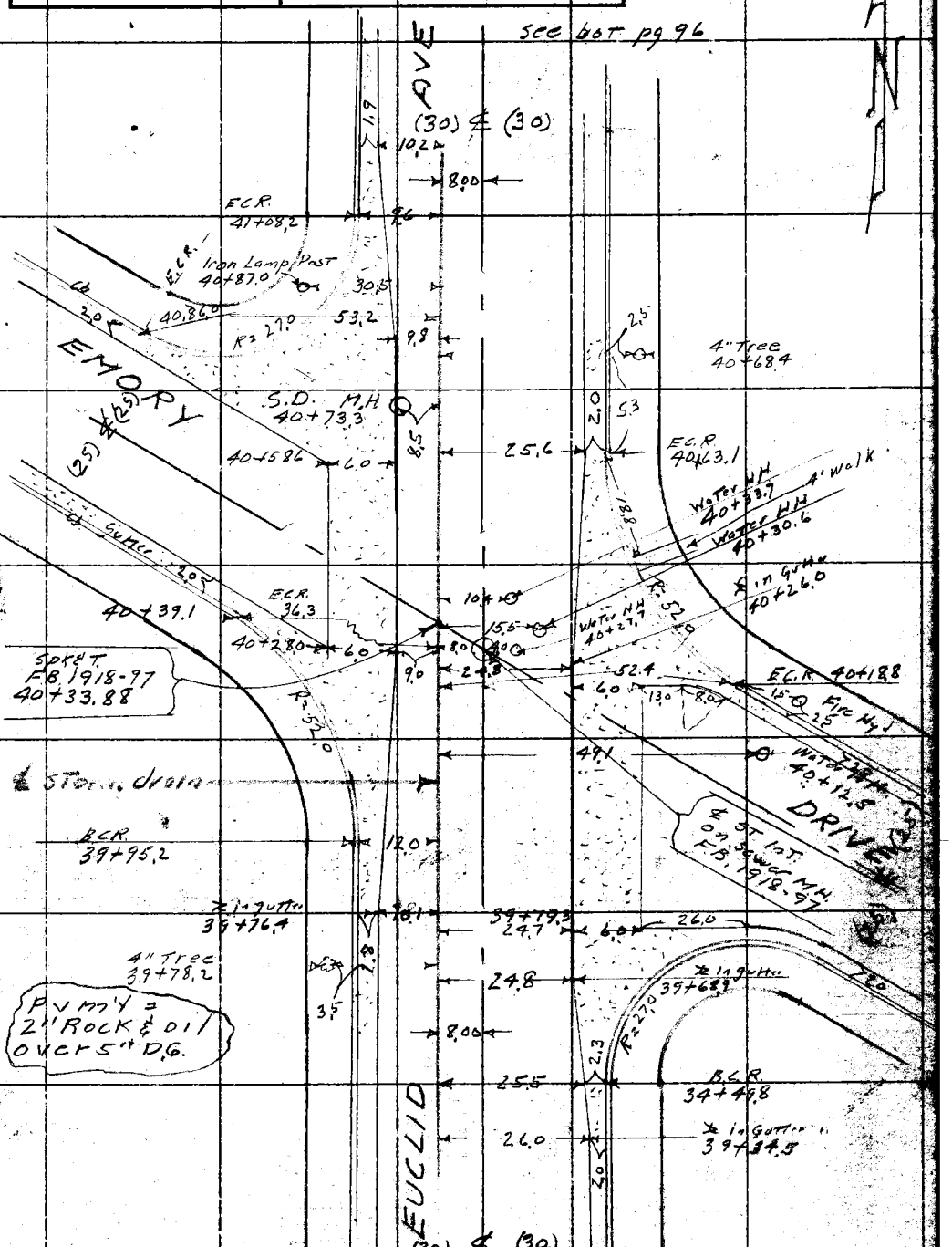
1986 95

F. B. _____ PG. _____

Notes Ck'd	Survey of Michigan Ave Proj #17
Map No.	W. O. 6222.00 Tape No. 0164 Std. 68 °F
Office Work	Surveyed by N. R. Smith
Checked	Notes " Date 3-22-55
Date	Indexed C. Johnson



Euclid & Emory

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RETURN TO
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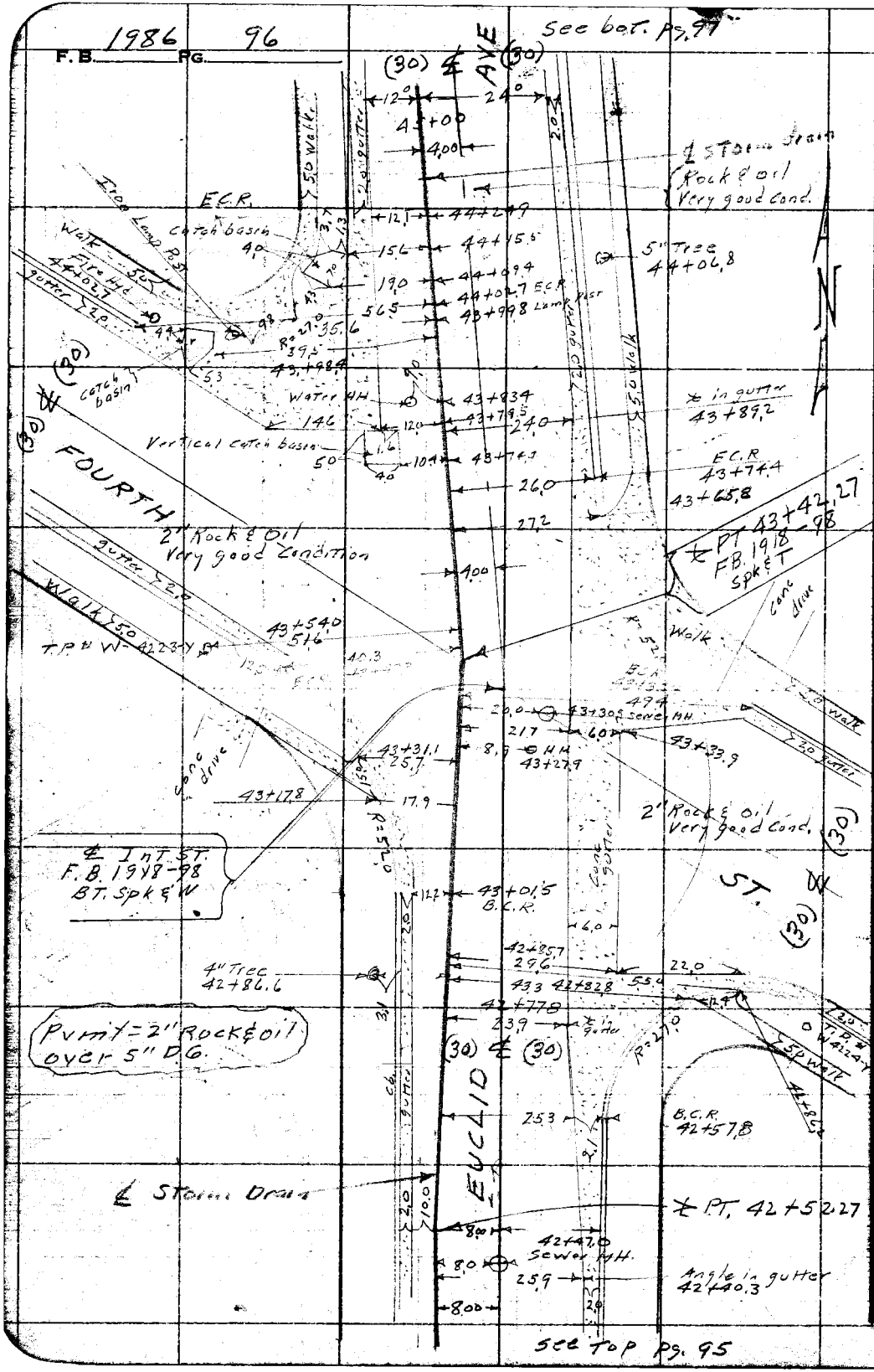
76F3095 247 4-53



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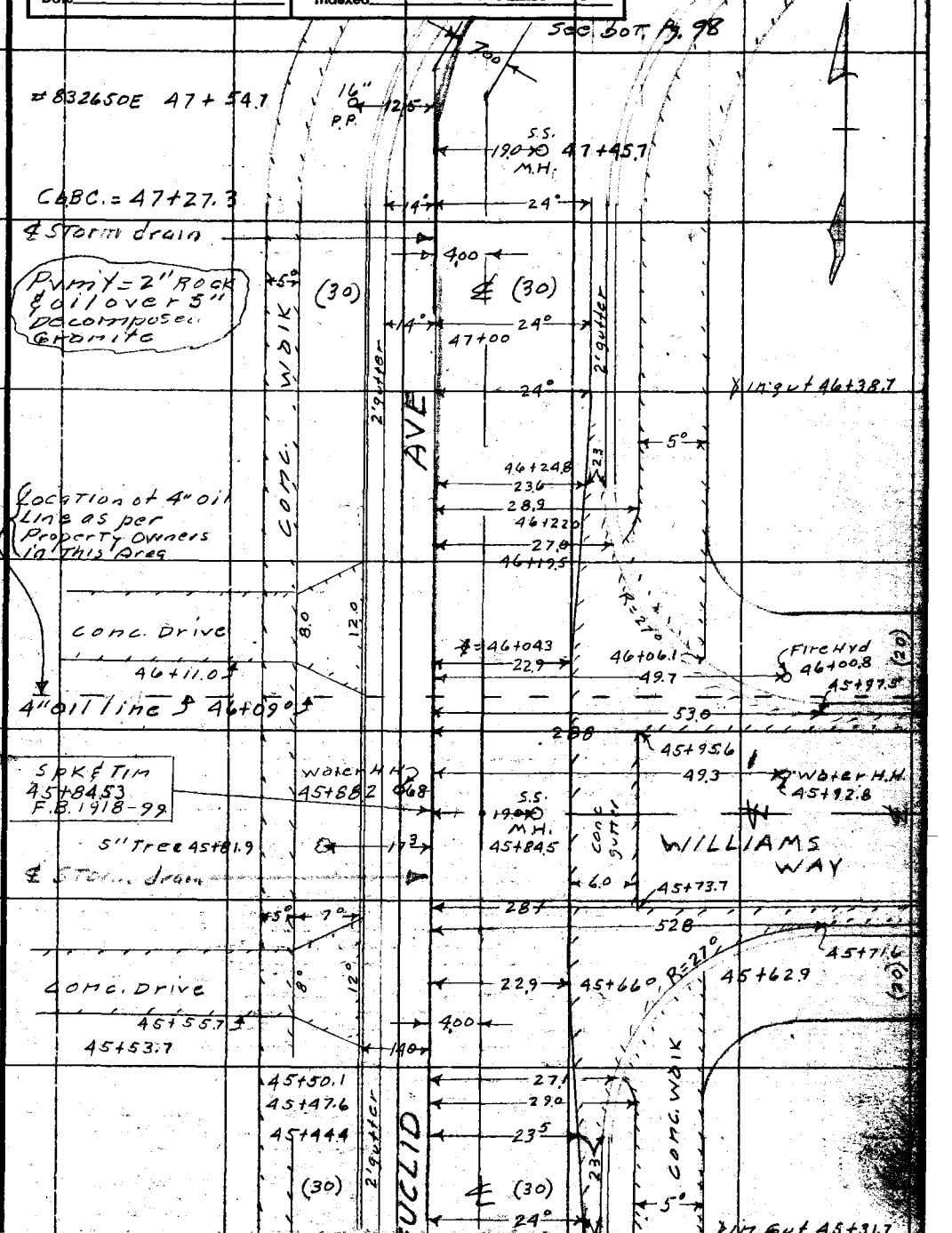
Notes Ck'd by	Survey of Michigan Ave Proj 547
Map No.	W. O. 6222.00 Tape No. 0164 St'd. 68 °F
Office Work	Surveyed by N. R. Smith
Checked	Notes H. E. Frank Date 3-24-55
Date	Indexed C. Johnson

F. B. 1986 PG. 97



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76F3096 247 4-53

F.B. 1986 PG. 98

LOS ANGELES COUNTY SURVEYOR
725 LOS ANGELES COUNTY
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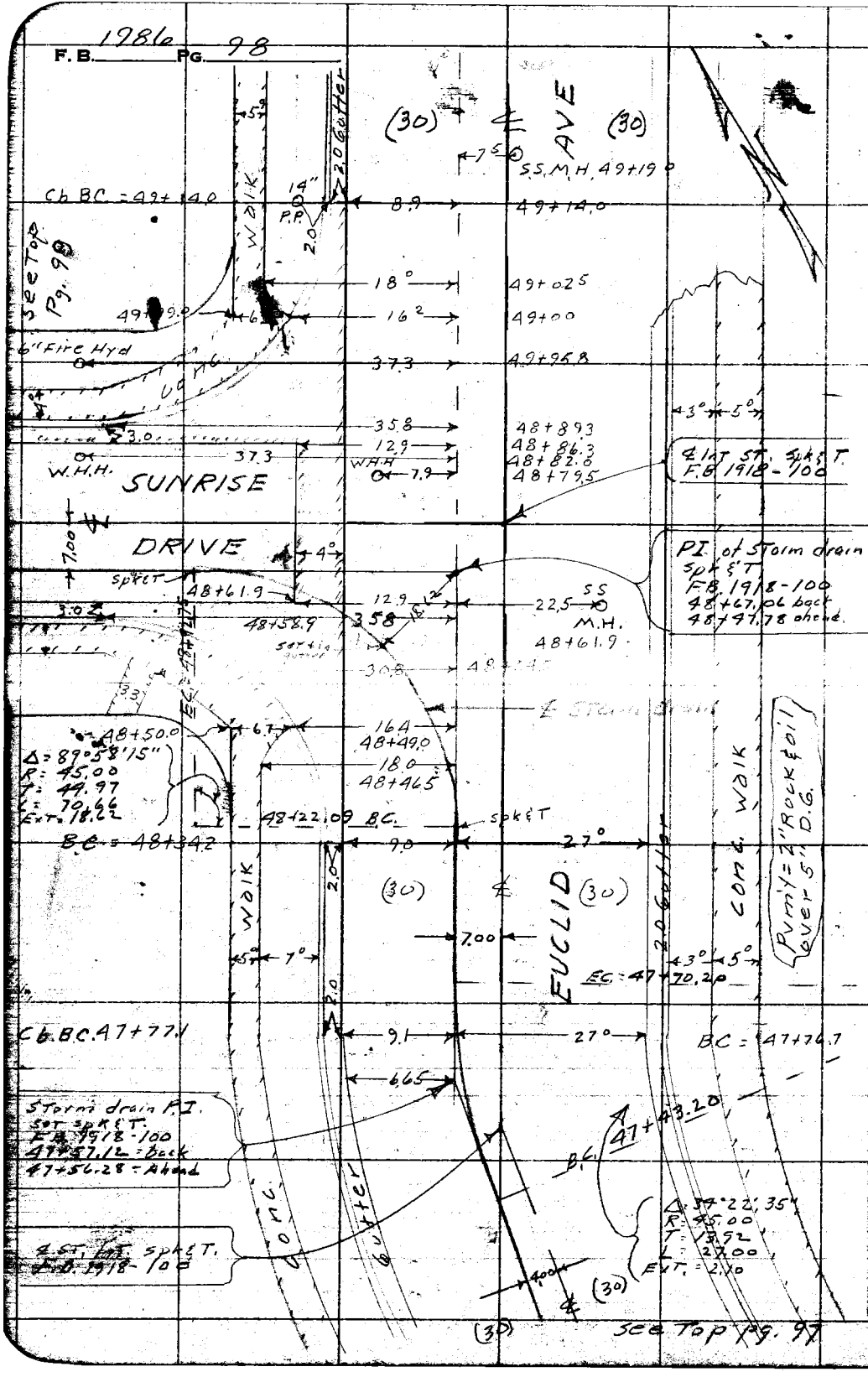
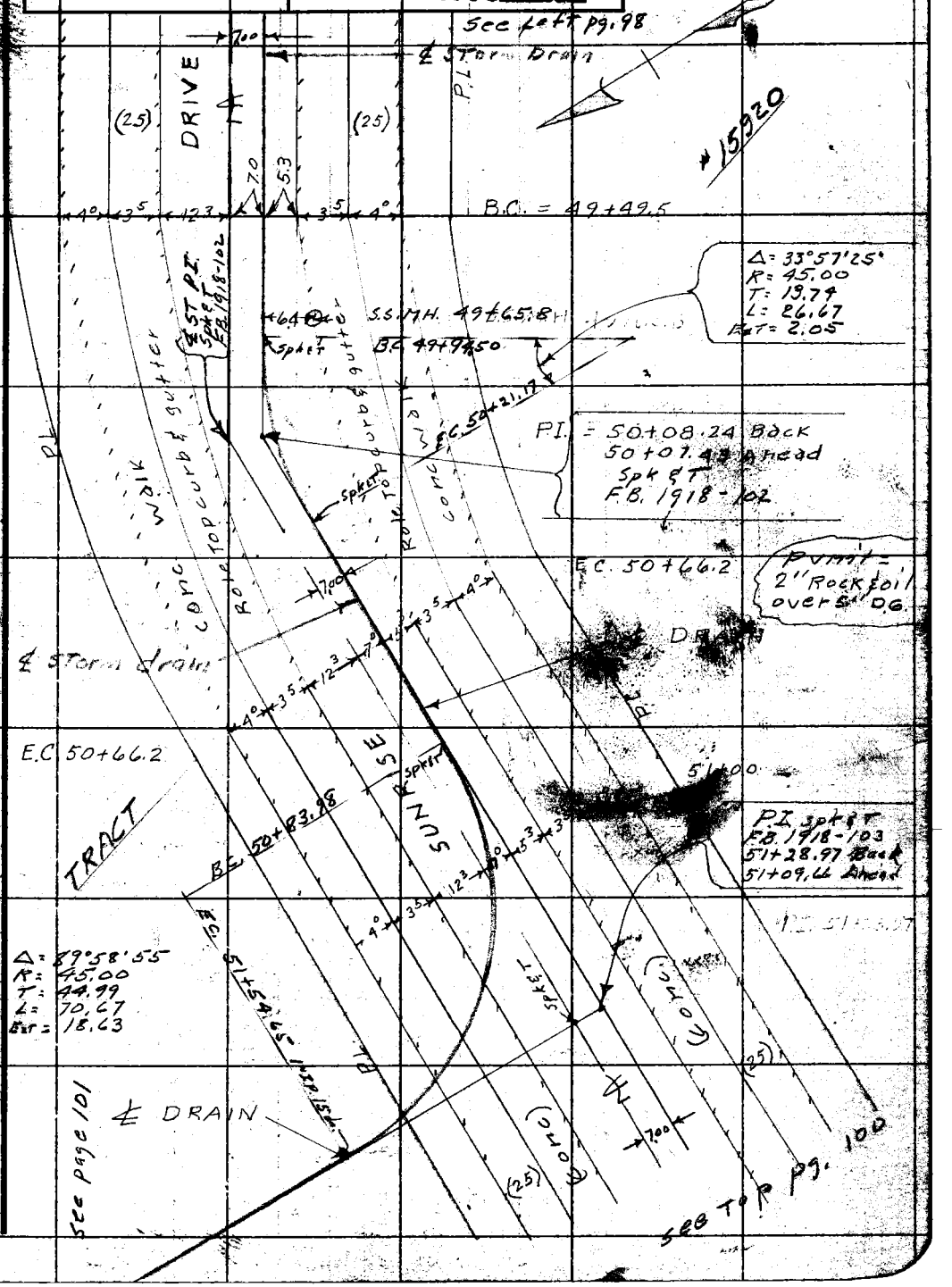


1986 99

F.B. PG.

Notes Ck'd by	Survey of Michigan Ave Proj 17
Map No.	W. O. 6222.00 Tape No. .0164 St'd. 68 °F
Office Work	Surveyed by N.R. Smith
Checked	Notes H.E. Frank Date 3-24-55
Date	Indexed E. C. Johnson



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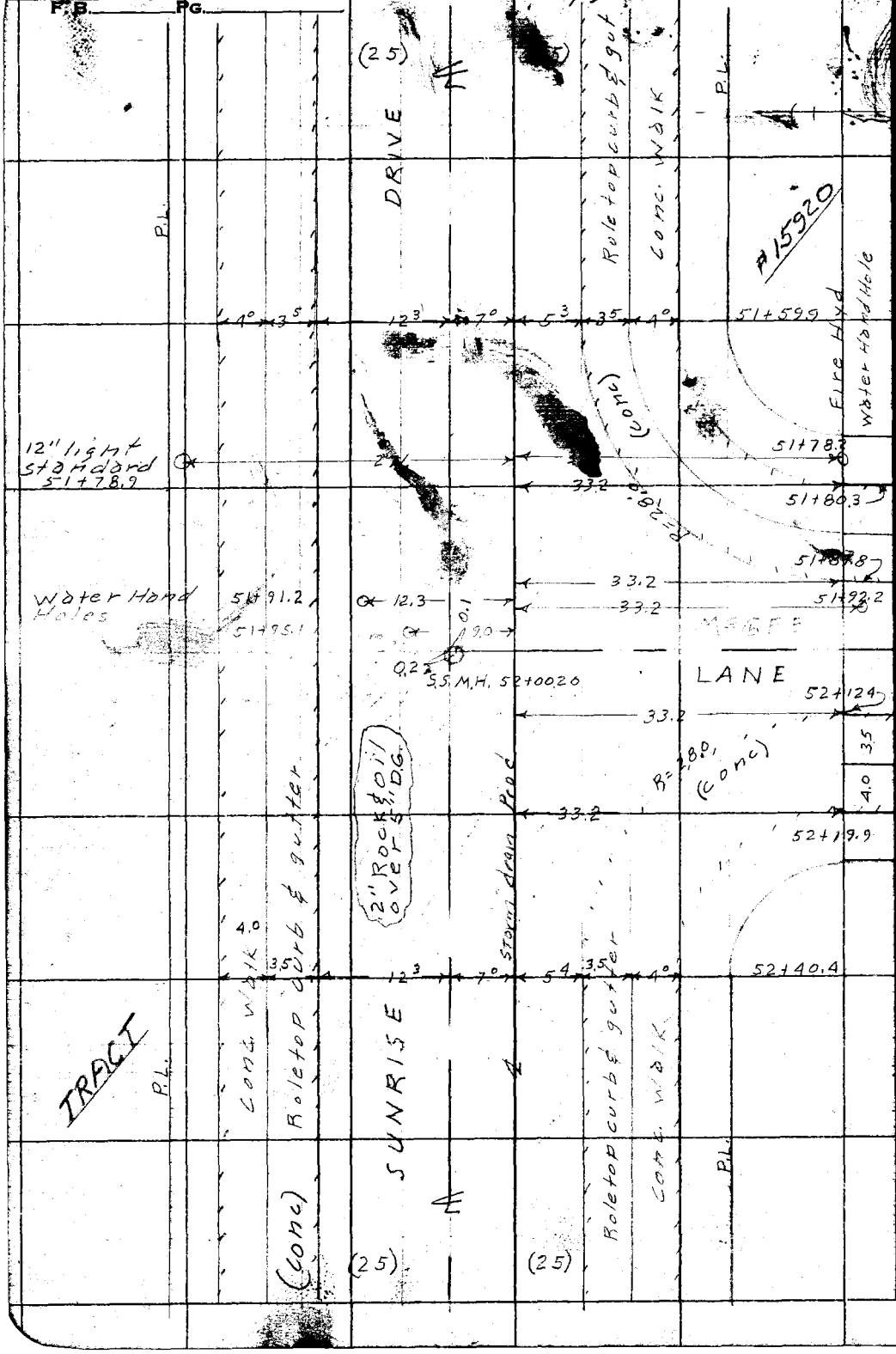
76F3098 247 4-53

1986 100 see bot pg 99

F.B. PG.



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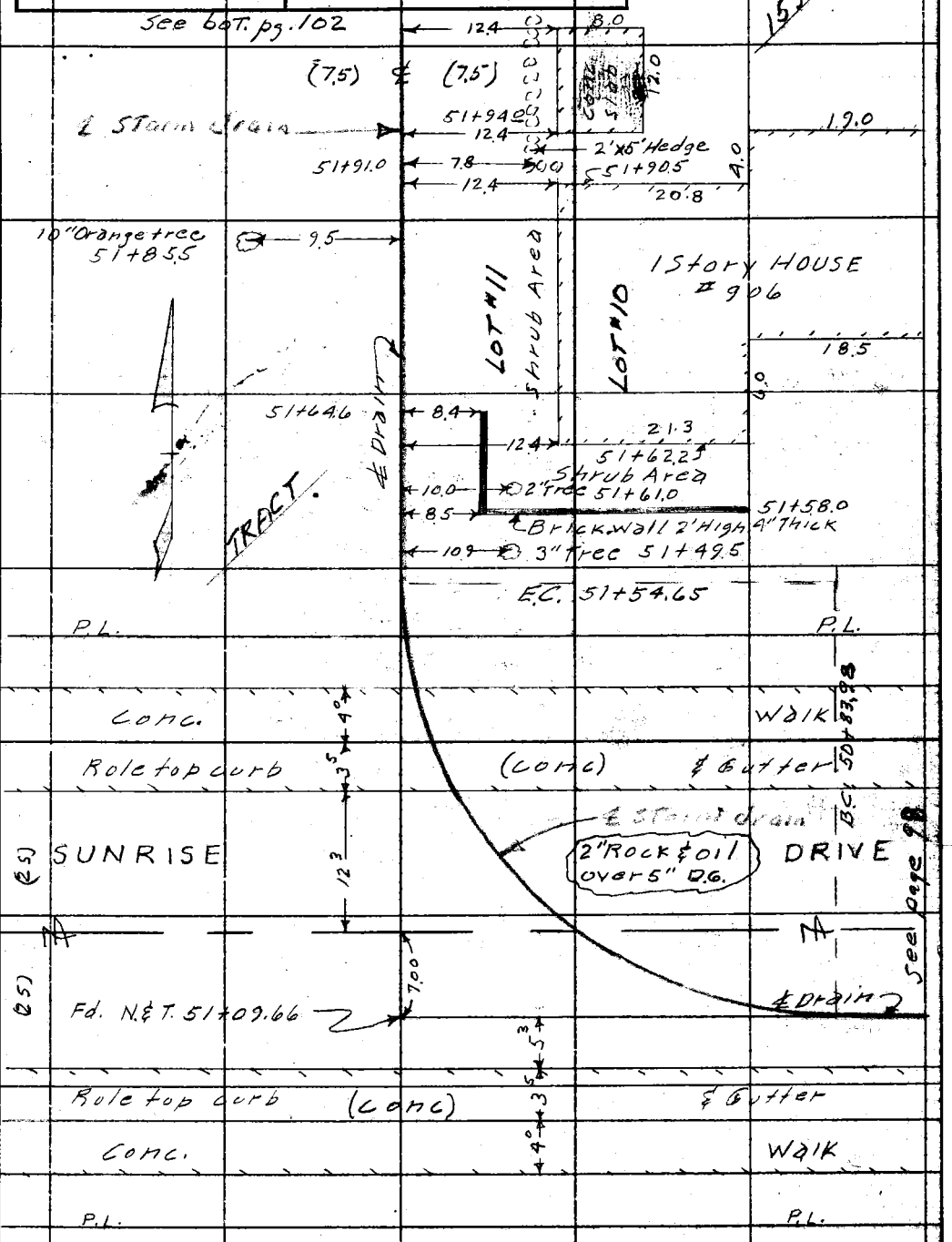
Notes Ck'd by	Survey of Michigan Ave Proj #17
Map No.	W. O. 6222.00 Tape No. .0164 St'd. 68 °F
Office Work	Surveyed by N. B. Smith
Checked	Notes H. E. Fronk Date 3-25-55
Date	Indexed C. Johnson

F.B. 1986 Pg. 101

15920



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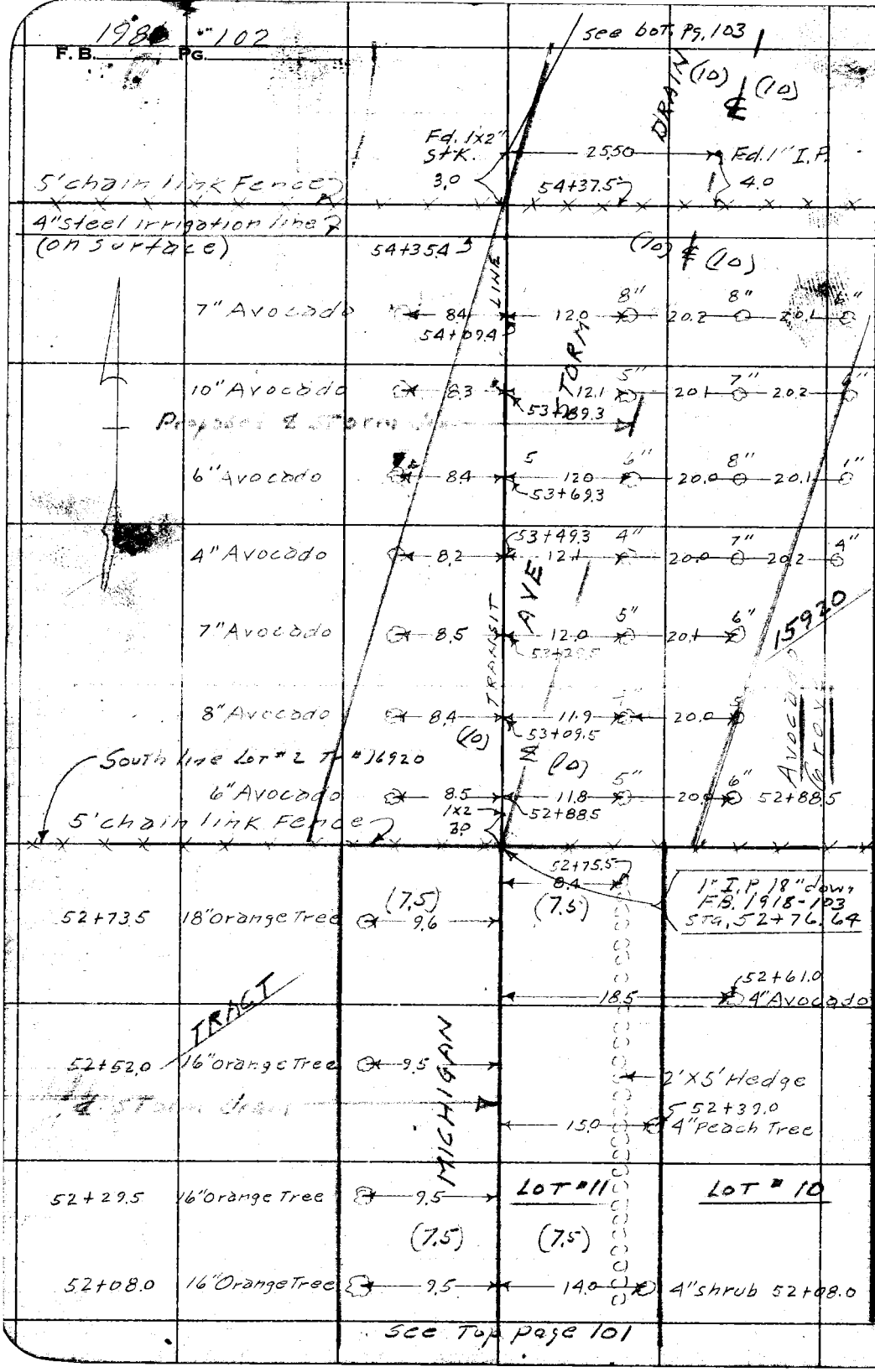
76F3095 247 4-53

1980 102

F.B. PG.



See Top page 101

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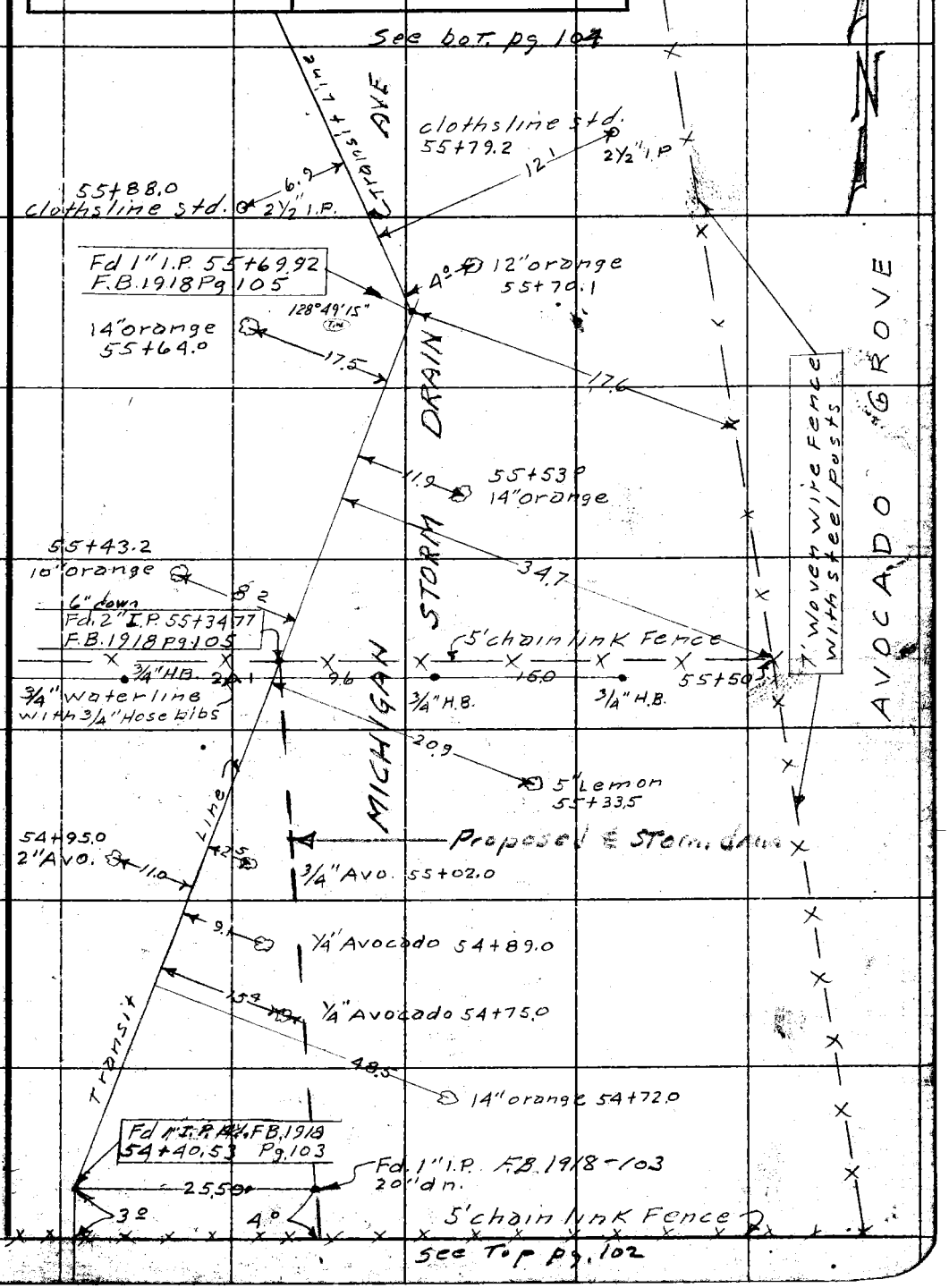
Notes Ck'd by	Survey of Michigan Ave Proj II/17
Map No.	W. O. 622200 Tape No. 0164 St'd. 68 °F
Office Work	Surveyed by N. R. Smith
Checked	Notes H. E. Fronk Date 4-5-55
Date	Indexed C. Johnson

F. B. 1986 Pg. 1[illegible]



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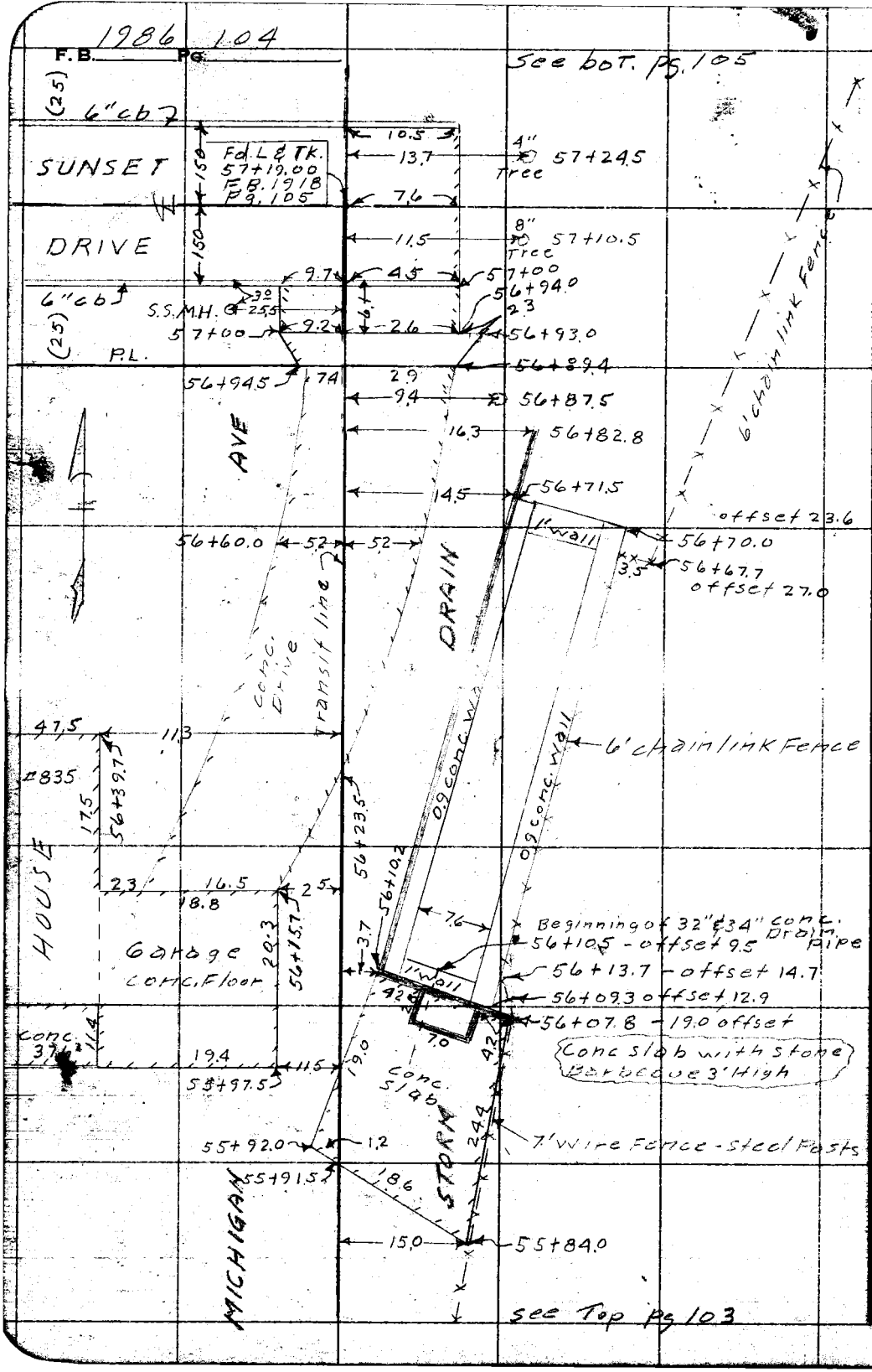
ENGINEERING BLDG.

76F3095 247 4-53



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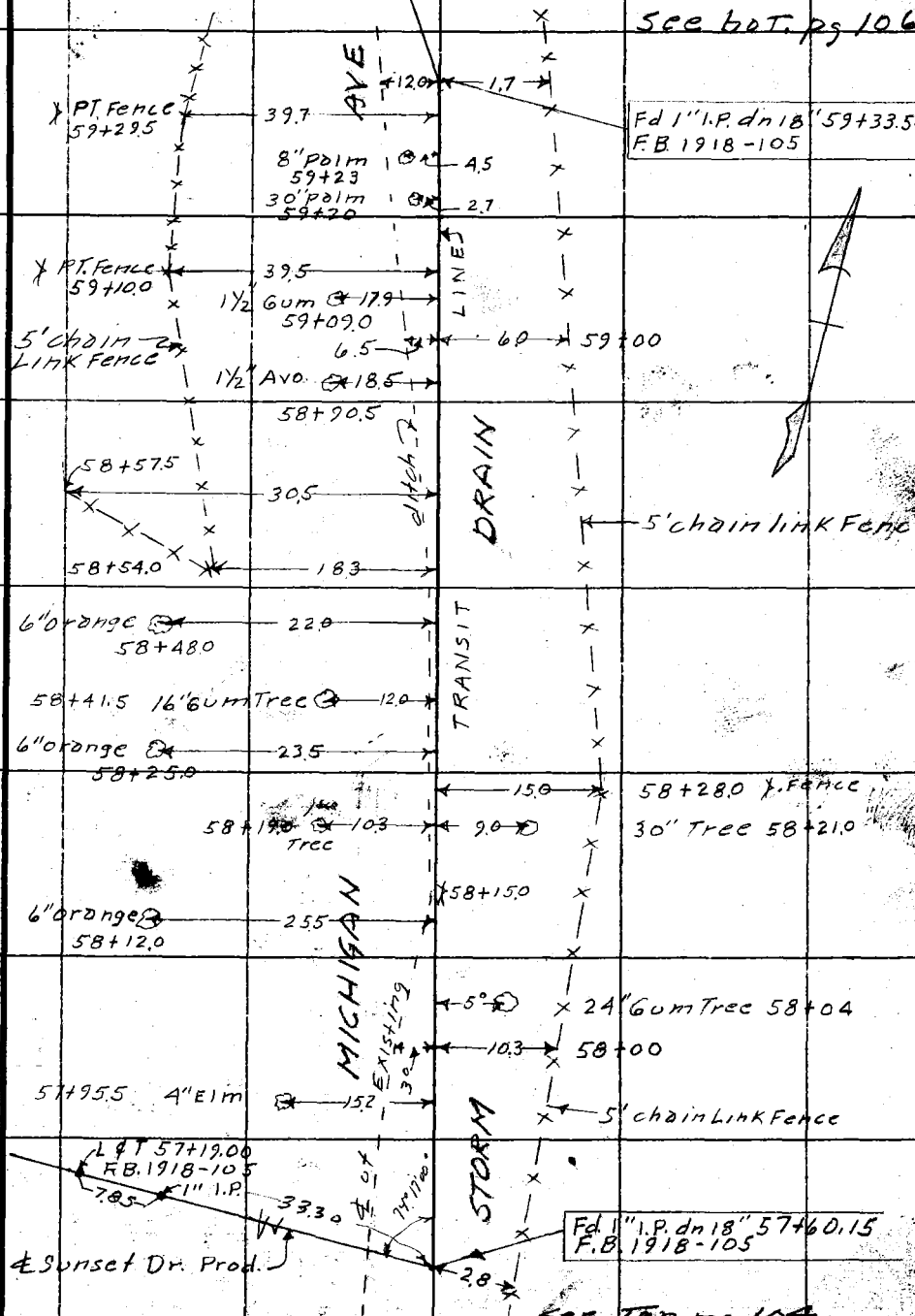
1986

F.B. _____ Pg. 105

Notes Ck'd by	Survey of Michigan Ave Proj #17
Map No.	W. O. 622200 Tape No. 10164 St'd. 68 °F
Office Work	Surveyed by N. R. Smith
Checked	Notes H. E. Fronk Date 4-7-55
Date	Indexed C. Johnson

See bot. pg 106



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RETURN TO
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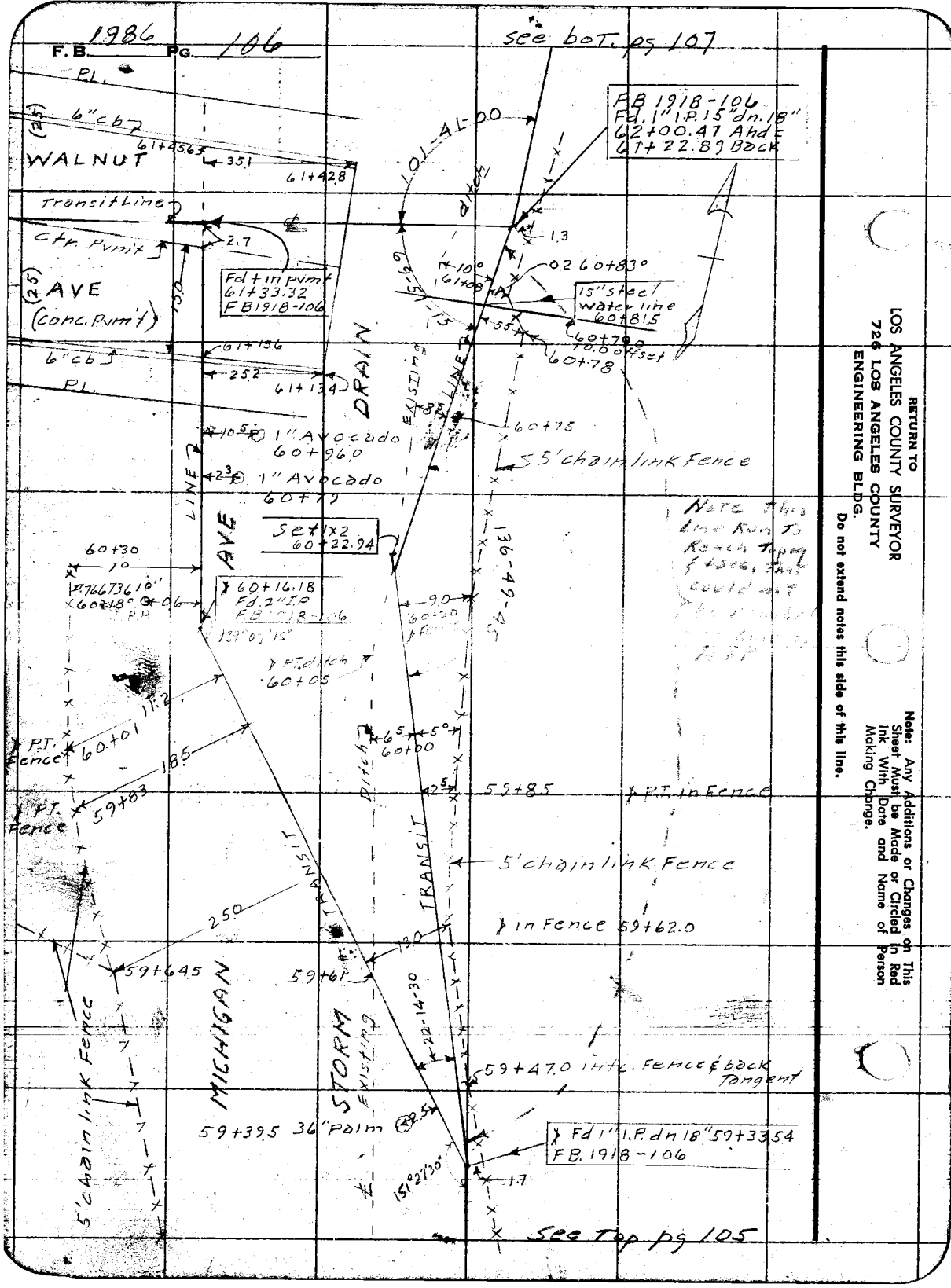
ENGINEERING BLDG.

76F3098 247 4-53



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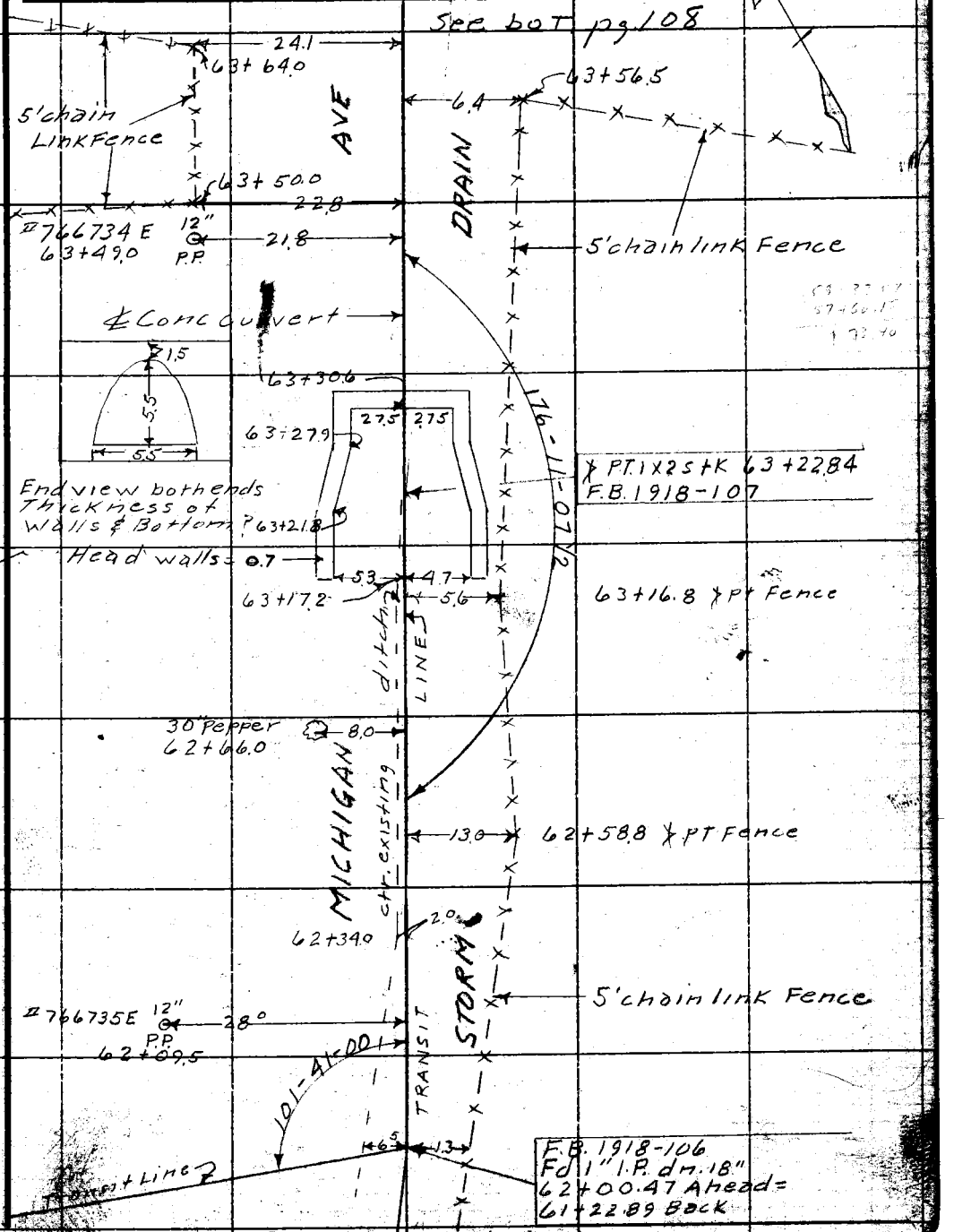
F.B. 1986 Pg. 107

Notes Ck'd by	Survey of Michigan Ave Proj #17
Map No.	W.O. 622200 Tape No. 0164 St'd. 68 °F
Office Work	Surveyed by N. R. Smith
Checked	Notes H. E. Fronk Date 4-11-55
Date	Indexed K. C. Johnson



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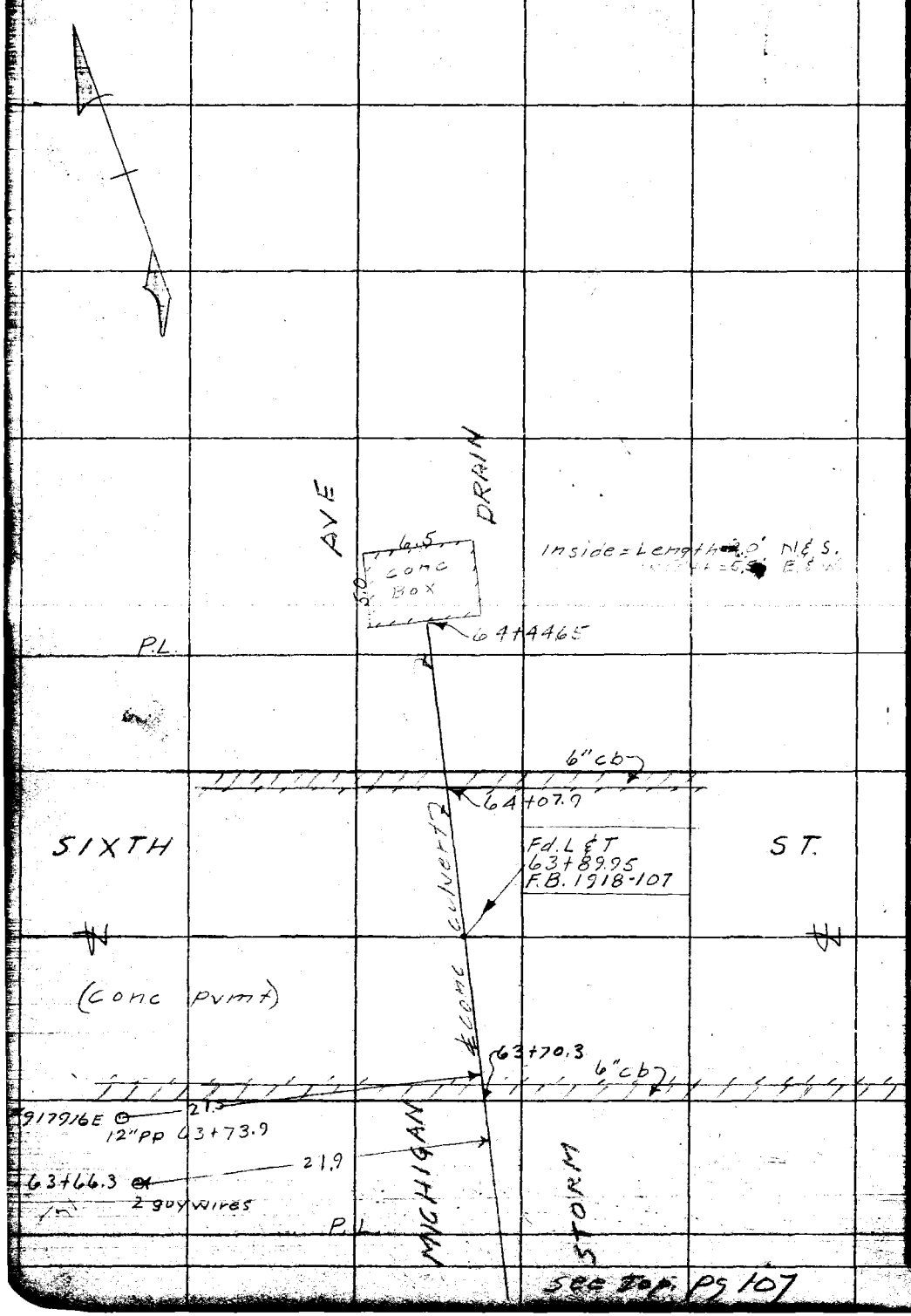
726 LOS ANGELES COUNTY
ENGINEERING BLDG.

76F3098 247 4-53

F.B. 1986 PG. 108



See Top Pg 107

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Profile No.	Notes Red.	Plotted	Job No. 6222.00	Division No.	F. B. 1986 - 7109
	Date	Date	Survey of Michigan Ave Project #17		
X-Sec. No.	Notes Chkd.	Checked	Survey by N.R. Smith	Notes N.R.S.	Date 3-28-56
	Date	Date	Map No.	Indexed Johnson	Date 4-15-56

J.N. 6222.00

MICHIGAN AVE PROJECT #17

CROSS SECTIONS
on
MICHIGAN AVE STORM DRAIN
from
SECOND ST. TO SIXTH ST.

N.R. Smith
N. Frank
J. Bazen
L. Bartson

1986

76L298 307 8-53

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STATION	B. S.	H. I.	F. S.	ELEV.		
B.M. KW-113	6 11	268 30		262 19	BM KW-113, Elev = 262.194 Michigan Ave & Second St. BT. spk. in Cb 17' E. of E. end C.R.	FB. 1925 - 231 S.E. Cor.
20+24.89			675	261 55		℄ storm drain
"			672	261 58		5.0 ℄ ST.
"			705	261 25		15.0 PrmT
"			757	260 73		21.5 gutter out
"			762	260 68		23.5 " in
"			701	261 29		" S. end C.R.
"			691	261 39	6.0 PrmT	
"			692	261 38	12.7 gutter out	
"			700	261 30	14.7 " in	
"			639	261 [illegible]	14.7 S. end C.R.	
20+51.2			569	262 61		℄ storm drain
"			583	262 47	7.0 PrmT	
"			644	261 86	42.6 gutter out	
"			650	261 80	" " in	
"			591	262 39	" N. end C.R.	
"			637	261 93	52.6 gutter out, along S. gutter line of 22d St	
"			643	261 87	" " in " " " "	
"			588	262 42	" Top of Cb. " " " "	

F. B. 1986 Pg. 110 Job No. 6222.00 Division No. Notes Red. Plotted No. Survey of Michigan Ave Proj. #17 Date 3-28-55 Date X-Sec. Survey by N.R. Smith Notes N.R.S. - 3-28-55 Notes Chkd. Checked Date Indexed E. C. Johnson Date Date No.

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STATION	B. S.	H. I.	F. S.	ELEV.			
20+51.2		268.30	6.17	262.13	92.6 gutter out Along	S. gutter & cb. line at 20' st.	
"			6.25	262.05	92.6 " in "	" "	
"			5.63	262.67	92.6 Top of Cb. "	" "	
"			5.18	263.12	192.6 gutter out "	" "	
"			5.26	263.04	" " in "	" "	
"			4.65	263.65	" Top of Cb. "	" "	
20+55.7			5.52	262.78		℄ storm drain	
"			5.75	262.55		S. Rim MH	5.75 7.04 12.79
"			12.79	255.51	Invert 10" outlet S.		
"			5.64	262.66		N. Rim MH	5.64 6.96 12.60
"			12.60	255.70	Invert 10" Inlet N.		
"			5.65	262.65		W. Rim M	5.65 6.68 12.33
"			12.33	255.97	Invert 6" Inlet W		
20+70.3			5.31	262.99		25.0 Surface at drain MH	5.31 3.49 8.75
"			8.75	259.55		25.0 Invert of drain at MH	
20+72.49			4.94	263.36	= Int. ℄ storm drain & ℄ 2nd ST.		
"			5.18	263.12		9.0 S. Rim M.H.	5.18 7.17 12.35
"			12.35	255.95	Invert of 10" outlet S.		
"			5.11	263.19		9.0 N. Rim MH	5.11 7.09 12.20
"			12.20	256.10	Invert of 10" Inlet N.		
20+93.3			4.60	263.70		℄ storm drain	

Profile Notes Red. ____ Plotted ____ Job No. 6222.00 Division No. ____ F. B. 1986 Pg. 111
No. ____ Date ____ Date ____ Survey of Michigan Ave Project #17
X-Sec. Notes Chkd. ____ Checked ____ Survey by N.R. Smith Notes N.R.S. Date 3-28-55
No. ____ Date ____ Date ____ Map No. ____ Date ____

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F. B. 1986 Pg. 112 Job No. 6222.00 Division No. Notes Red. Plotted Profile
Survey of Michigan Ave Prot. #17 Date Date No.
Survey by H.R. Smith Notes H.R.S. 3-28-55 Notes Chkd. Checked X-Sec.
Indexed C. Johnson Date Date Date No.

STATION	B. S.	H. I.	F. S.	ELEV.	Left	℄	Right
		268 30					
20+93.3			731	260 99	12.9 Invert of 24" culvert		
20+98.3			456	263 74		℄	storm drain
"			466	263 64			4.0 = ℄ Michigan Ave
"			513	263 17			12.0 Pvmt
"			600	262 30			20.0 Pvmt
20+99.1			490	262 40	8.0 break		
"			615	262 15	9.7 gutter out		
"			644	261 86	13.2 " in		
"			570	262 60	" s. end cb.		
"			49	263 41	26.0 P.L.		
21+00			455	263 75		℄	storm drain
T.P.	938	274 63	305	265 25			
22+00			864	265 99		℄	storm drain
"			860	266 03			4.0 ℄ Michigan Ave
"			908	265 55			13.0 pvmt
"			978	264 85			20.0 gutter out
"			994	264 69			22.0 " in
"			926	265 37			22.0 Top cb
"			87	265 7			34.0 P.L.
"			895	265 8	6.0 pvmt		

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STATION	B. S.	H. I.	F. S.	ELEV.	Left	℄ Right
22+00		27463	961	26502	9.7 gutter out	
"			991	26472	13.2 " in	
"			914	26549	13.2 top cb.	
"			85	2661	26.0 pL.	
22+75			674	26789		℄ storm drain
"			686	26777		9.3 S. Rim M.H. 589
"			1275	26188	Invert 10" outlet south	686 / 12.75
"			682	26781		9.3 N Rim M.H. 575
"			1257	26206	Invert 10" inlet North	682 / 125.7
"			685	26778		9.3 N.E. Rim M.H. 562
"			1247	26216	Invert 6" inlet N.E.	685 / 1247
22+92.9			629	26834		℄ storm drain
"			630	26833		4.0 ℄ Michigan Ave
"			657	26806		13.0 pvmt
"			724	26739		19.7 gutter out
"			738	26725		22.0 " "
"			670	26793		22.0 top cb
"			65	2681		34.0 P.L.
23+00			610	26853	℄ drain	
"			638	26825	6.0 pvmt	
"			680	26783	9.8 gut out	

Profile No. ____ Notes Red. ____ Plotted ____ Job No. 6222.00 Division No. ____ F. B. 1986 Pg. 113
X-Sec. No. ____ Date ____ Date ____ Survey of Michigan Ave Proj #17
Notes Chkd. ____ Checked ____ Survey by N.R. Smith Notes HEF Date 3-29-55
Date ____ Date ____ Map No. ____ Date ____

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STATION	B. S.	H. I.	F. S.	ELEV.	Left	℄ Right
23+00		27463	707	26[illegible]56	13.2 gutter in.	
"			6[illegible]	26[illegible]40	13.2 top cb	
"			62	2684	26.0 PL.	
23+342			513	26[illegible]50		℄ storm drain
			579	26[illegible]84		33.9 W. rim M.H. 641 579 12.20
			1220	26[illegible]43	6" outlet west	
			573	26[illegible]		33.9 E. rim M.H. 632 573 1205
			1205	24[illegible]58	6" inlet East	
23+35.2 = 0+00 East			510	26[illegible]53	℄ Inlet storm drain & ℄ Valna Dr.	
"			620	26[illegible]43		20' ℄ X gutter
0+48.8			547	26[illegible]16		℄ Valna Dr.
"			577	26[illegible]26		7.5 pvmt
"			614	26849		13.0 gutter out
"			631	26[illegible]2		15.0 " in
"			568	26[illegible]5		" top cb
"			59	26[illegible]		25.0 = P.L.
"			534	26[illegible]29	7.5 pvmt	
"			540	26[illegible]23	13.0 gutter out	
"			555	26[illegible]08	15.0 " in	
"			488	26[illegible]5	" top cb	
"			44	2702	25.0 PL.	

F. B. 1986 PG. 114 Job No. 622200 Division No. Notes Red. Plotted Profile
Survey of Michigan Ave Prot #17 Date 3-29-55 Date No.
Survey by N.R. Smith Notes H.E. Frolk Notes Chkd. Checked X-Sec.
Indexed [illegible] C. Johnson Date Date No.

76L298 307 8-53

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STATION	B. S.	H. I.	F. S.	ELEV.	Left ℄	Right
0+56.8		274.63	5.72	268.91		7.5 pvmt
"			6.12	268.51		13.0 gutter out
"			6.28	268.35		15.0 " "
"			5.63	269.00		15.0 top cb
"			5.8	268.8		25.0 P.L.
"			5.27	269.36	7.5 pvmt	
"			5.40	269.23	13.0 gutter out	
"			5.57	269.06	13.0 " in	
"			4.84	269.79	15.0 top cb	
"			4.2	270.4	25.0 P.L.	
0+93.8			5.20	269.43		℄ Valma
"			5.56	269.07		7.5 pvmt
"			5.96	268.67		13.0 gutter out
"			6.10	268.53		15.0 " in
"			5.46	269.17		15.0 top cb.
"			5.2	269.4		25.0 P.L.
"			5.11	269.52	7.5 pvmt	
"			5.24	269.39	13.0 gutter out	
"			5.43	269.20	15.0 " in	
"			4.70	269.93	15.0 top cb.	
"			4.4	270.2	25.0 P.L.	

Profile Notes Red. ____ Plotted ____ Job No. 622200 Division No. ____ F. B. 1986 Pg. 115
No. ____ Date ____ Date ____ Survey of Michigan Ave Proj #17
X-Sec. Notes Chkd. ____ Checked ____ Survey by N.R. Smith Notes H.E.E. Date 2-29-55
No. ____ Date ____ Date ____ Map No. ____ Indexed Johnson Date ____

76L298 307 8-53

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F. B. 1986 Pg. 116 Job No. 622200 Division No. Notes Red. Plotted
Survey of Michigan Ave Proj #17 Date 3-29-55 Date No.
Survey by N.R. Smith Notes H.E. Frank Notes Chkd. Checked X-Sec.
Indexed C. Johnson Date Date Date No.

STATION	B. S.	H. I.	F. S.	ELEV.	Left	℄ Right
1+78.8		274.63	4.97	269.66		℄
"			5.40	269.23		7.5 pvmt
"			5.70	268.93		13.0 gutter out
"			5.82	268.81		15.0 " in
"			5.17	269.46		15.0 top cb.
"			5.2	269.4		25.0 P.L.
"			4.77	269.86	7.5 pvmt	
"			4.98	269.65	13.0 gutter out	
"			5.08	269.55	15.0 " in	
"			4.37	270.24	15.0 top cb	
"			3.9	270.7	25.0 P.L.	
23+74.0			4.10	270.53		℄ stormdrain
"			4.26	270.37	6.0 pvmt	
"			4.36	270.07	9.8 gutter out	
"			4.89	269.54	12.0 " in	
"			4.06	270.37	15.0 top cb	
"			3.7	270.9	26.9 P.L.	
23+75.9			3.92	270.71		℄ stormdrain
"			4.17	270.46		4.0 ℄ st
"			4.33	270.30		13.0 pvmt
"			4.87	269.76		19.6 gutter out

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STATION	B. S.	H. I.	F. S.	ELEV.	Left	℄	Right
23+75.9		274.63	507	26956			22.0 gutter in
"			441	27022			22.0 top cb.
"			41	2705			24.0 p.l.
23+90.9			354	27109			℄ storm drain
"			385	27078			9.2 S. Rim M.H. 501 385 8.86
"			886	26577	Invert 10" outlet S.O.		
"			379	27084			9.3 N Rim M.H. 490 379 8.69
"			869	26594	Invert 10" inlet N.O.		
			380	27083			9.3 W Rim M.H. 502 380 8.82
			882	26581	Invert 6" inlet West		
24+15.6 =0+00 West			286	27177	℄ Intc. Storm Drain		℄ Valna Dr West.
"			325	27138	9.7		
"			363	27100	13.1 ℄ cross gutter		
0+40			218	27245			℄ Valna Dr
"			222	27241			9.0 pvmt
"			245	27218			16.0 gutter out
"			252	27211			15.0 " "
"			168	27295			18.0 top cb
"			21	2725			18.0 p.l.
"			253	27210			9.0 pvmt
"			296	27167			16.0 gutter out

Profile No. ____ Notes Red. ____ Plotted ____ Job No. 62-200 Division No. ____
X-Sec. No. ____ Date ____ Date ____ Survey of Michigan Dr. & Fra Tr #17
Notes Chkd. ____ Date ____ Checked ____ Date ____ Survey by N.R. Smith & H.E.E. Date 3-29-55
Map No. ____ Made by Johnson Date ____

F. B. 1986 PG. 117

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STATION	B. S.	H. I.	F. S.	ELEV.	Left	℄ Right
0+40		27463	306	27[illegible]57	18.0 gutter in	
"			222	27[illegible]41	18.0 top cb.	
"			21	27[illegible]	28.0 P.L.	
T.P.	497	27677	283	27[illegible]80	T.P. ℄ Intc. Michigan & Valna	
0+50			417	27[illegible]0		℄ Valna
"			422	27[illegible]5		9.0 pvmt
"			450	27[illegible]7		16.0 gutter out
"			460	27[illegible]7		18.0 "
"			377	27[illegible]00		18.0 top cb
"			43	27[illegible]		28.0 P.L.
"			454	27[illegible]3	9.0 pvmt	
"			508	27[illegible]	16.0 gutter out	
"			517	27[illegible]0	18.0 " in	
"			433	272[illegible]4	18.0 top cb.	
"			42	272[illegible]6	28.0 P.L.	
90+00			384	277[illegible]		℄
"			390	272[illegible]7		9.0 pvmt
"			421	272[illegible]		16.0 gutter out
"			433	272[illegible]4		18.0 " in
"			355	273[illegible]2		18.0 top cb
"			40	272[illegible]		28.0 P.L.

F. B. 1986 Pg. 118 Job No. 6222.00 Division No. Notes Red. Plotted No. Profile
Survey of Michigan Ave Proj #17 Date 2-29-55 Date X-Sec.
Survey by N.R. Smith Notes H.E. Frank Notes Chkd. Checked No.
Indexed C. Johnson Date Date

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STATION	B. S.	H. I.	F. S.	ELEV.	Left	℄ Right
90+00		276.77	425	27252	9.0 pvmt	
"			483	27194	16.0 gutter out	
"			491	27186	18.0 " in	
"			410	27267	18.0 top cb	
"			37	2729	28.0 P.L.	
1+90			320	27357		℄
"			333	27344		9.0 pvmt
"			355	27322		16.0 gutter out
"			363	27309		18.0 " in
"			290	27387		18.0 top cb
"			28	2740		28.0 P.L.
"			354	27323	9.0 pvmt	
"			413	27264	16.0 gutter out	
"			421	27256	18.0 " in	
"			338	27339	18.0 top cb	
"			33	2735	28.0 P.L.	
24+62.4			346	27331		℄ storm drain
"			348	27329		4.0 ℄ street
"			402	27275		13.0 pvmt
"			441	27236		20.0 gutter out
"			453	27224		22.0 " in

Profile Notes Red. ____ Plotted ____ Job No. 6222.00 Division No. ____ F. B. 1986 Pg. 119
No. ____ Date ____ Date ____ Survey of Michigan Ave Proj #17
X-Sec. Notes Chkd. ____ Checked ____ Survey by N.R. Smith Notes LEE Date 3-29-55
No. ____ Date ____ Date ____ Map No. ____ Indexed C. Johnson Date ____

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STATION	B. S.	H. I.	F. S.	ELEV.	Left	℄ Right
24+62.4		276 77	387	27290		22.0 top cb
"			37	2731		34.0 P.L.
"			365	27312	6.0 pvmt	
"			396	27281	9.7 gutter out	
"			421	27256	13.1 " in	
"			337	27340	13.1 top cb	
"			32	2736	26.0 P.L.	
25+00			227	27450		℄ Storm drain
"			233	27444		4.0 ℄ St
"			284	27393		13.0 pvmt
"			323	27354		20.0 gutter out
"			343	27334		22.0 " in
"			277	27400		22.0 top cb
"			23	2745		34.0 P.L.
"			247	27430	6.0 pvmt	
"			277	27400	9.7 gutter out	
"			306	27371	13.1 " in	
"			222	27455	13.1 top cb.	
"			20	2746	26.0 P.L.	
T.P.	828	28242	263	27414	T.P.	
25+40.2			651	27591		℄ storm drain

F. B. 1986 Pg. 120 Job No. 6222.00 Division No. Notes Red. Plotted Profile
Survey of Mississippi Ave Proj #17 Date 3-29-55 Date No.
Survey by N.R. Smith Notes H.E. Frank Notes Chkd. Checked X-Sec.
Indexed C. Johnson Date Date No.

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STATION	B. S.	H. I.	F. S.	ELEV.	Left	℄ Right
25+40.2		282.42	6.82	275.60		10.0 So. Rim M.H. 5.11 / 6.82 / 11.93
"			11.93	270.49	10" outlet South	
"			6.74	275.68		10.0 No. Rim M.H. 5.01 / 6.74 / 11.75
"			11.75	270.67	10" inlet North	
"			6.80	275.62		10.0 N.E. Rim M.H. 5.04 / 6.80 / 11.84
"			11.84	270.58	6" ~~inlet~~ North East.	
25+57.7			5.87	276.55		℄ stormdrain
"			5.90	276.52		4.0 ℄ street
"			6.40	276.02		13.0 pvmt
"			7.11	275.31		19.8 gutter out
"			7.31	275.11		22.1 " in
"			6.66	275.76		32.1 top cb
"			6.7	275.7		34.0 P.L.
26+00.02 = 0+00 East			4.43	277.99		℄ stormdrain
"			4.45	277.97		4.0 ℄ street
"			4.45	277.98		7.0 pvmt brk
"			5.83	276.59		22.0 cross gutter
"			5.33	277.09		34.2 W. Rim M.H.
"			11.78	270.64	6" outlet West Invert 6.45 / 5.33 / 11.78	
"			5.28	277.14		34.2 E. Rim M.H.
"			11.53	270.89	6" Inlet East Invert 6.25 / 5.28 / 11.53	
0+49			5.02	277.40		℄ Russell St

Profile Notes Red ____ Plotted ____ Job No. 6222.00 Division No. ____ F. B. 1986 Pg. 121
No. ____ Date ____ Date ____ Survey of Michigan Ave Project
X-Sec. Notes Chkd. ____ Checked ____ Survey by N.R. Smith Notes H.E.E. Date 3-29-55
No. ____ Date ____ Date ____ Map No. ____ Indexed C. Johnson Date ____

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STATION	B. S.	H. I.	F. S.	ELEV.	Left	℄ Right
0+49		282 42	551	27[illegible]91		7.5 pvmt
"			605	2[illegible]37		13.0 gutter out
"			623	2[illegible]9		15.0 " in
"			556	6[illegible]6		150 top cb.
"			54	2770		25.0 P.L.
"			488	27[illegible]54	7.5 pvmt	
"			497	27[illegible]45	13.0 gutter out	
"			513	27[illegible]29	15.0 " in	
"			4[illegible]	27[illegible]00	15.0 top cb	
"			39	27[illegible]5	25.0 P.L.	
0+59			493	27[illegible]9		℄ street
"			545	27[illegible]97		7.5 pvmt
"			599	27[illegible]43		13.0 gutter out
"			618	27[illegible]24		15.0 " in
"			553	27[illegible]89		15.0 top cb
"			53	2771		25.0 P.L.
"			480	27[illegible]62	7.5 pvmt	
"			493	27[illegible]49	13.0 gutter out	
"			511	27[illegible]31	15.0 " in	
"			439	27[illegible]03	15.0 top cb	
"			39	278 5	25.0 P.L.	

F. B. 1986 Pg. 122 Job No. 6222.00 Division No. Notes Red. Plotted Profile
Survey of Michigan Ave Proj #17 Date 3-29-55 Date No.
Survey by N.R. Smith Notes H.E. Fronk Notes Chkd. Checked X-Sec.
Indexed C. Johnson Date Date Date No.

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STATION	B. S.	H. I.	F. S.	ELEV.	Left	℄ Right
0+99		282.42	477	277.65		℄ Russell St
"			522	277.20		7.5 pvmt
"			565	276.77		13.0 gutter out
"			585	276.57		15.0 " in
"			519	277.23		15.0 top cb
"			51	277.3		25.0 P.L.
"			462	277.80	7.5 pvmt	
"			475	277.67	13.0 gutter out	
"			494	277.48	15.0 " in	
"			421	278.21	15.0 top cb	
"			38	278.6	25.0 P.L.	
1+81			435	278.07		℄ Russell St
"			465	277.57		7.5 pvmt
"			535	277.07		13.0 gutter out
"			541	277.01		15.0 " in
"			480	277.62		15.0 top cb
"			47	277.7		25.0 P.L.
"			424	278.18	7.5 pvmt	
"			439	278.03	13.0 gutter out	
"			456	277.86	15.0 " in	
"			384	278.58	15.0 top cb	

Profile Notes Red. ____ Plotted ____ Job No. 42220 Division No. ____ F. B. 1986 Pg. 123
No. ____ Date ____ Date ____ Survey of Michigan Ave Proj 517
X-Sec. Notes Chkd. ____ Checked ____ Survey by D.R. Smith Notes H.E.F. Date 3-29-55
No. ____ Date ____ Date ____ Map No. ____ Date ____

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F. B. 1986 Pg. 124 Job No. 622200 Division No. Notes Red. Plotted No. Profile
Survey of Michigan Ave Proj #17 Date 3-29-55 Date X-Sec.
Survey by N.R. Smith Notes H.E. Frank Notes Chkd. Checked No.
Indexed C. Johnson Date Date Date

STATION	B. S.	H. I.	F. S.	ELEV.	Left	℄ Right
17+81		282.42	3.2	279.2	25.0 P.L.	
26+00.02			4.64	27[illegible]78	6.0 pvmt	
"			5.06	277.36	9.6 gutter out	
"			5.38	277.04	13.1 " in	
"			4.55	277.27	13.1 top cb	
"			4.3	278.1	26.0 P.L.	
26+43			2.83	279.59		℄ storm drain
"			2.87	279.55		4.0 ℄ street
"			3.53	278.89		13.0 pvmt
"			4.18	277.24		19.8 gutter out
"			4.35	277.07		22.0 " in
"			3.66	278.76		22.0 top cb
"			3.4	279.0		34.0 P.L.
27+00			0.50	281.92		℄ storm drain
"			0.53	281.89		4.0 ℄ street
"			1.03	281.39		13.0 pvmt
"			1.70	280.72		20.0 gutter out
"			1.91	280.51		22.0 " in
"			1.18	281.24		22.0 top cb
"			1.0	281.4		34.0 P.L.
T.P.	11.13	293.06	0.49	281.93	T.P. 27+00	

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STATION	B. S.	H. I.	F. S.	ELEV.	Left	℄ Right
27+14.0		293.06	1083	28223	6.0 pvmt	
"			1115	28191	9.9 gutter out	
"			1144	28162	12.9 " in	
"			1068	28238	12.9 top cb	
"			101	2820	26.0 P.L.	
27+32.0			987	28319		℄ drain
"			1021	28285		10.5 So. Rim M.H. 10.21 / 6.34 / 16.55
"			1655	27651	10" outlet south	
"			1009	28297		10.5 No. Rim M.H. 10.09 / 6.20 / 16.29
"			1629	27677	10" inlet North	
27+32.5			992	28309		13.0 pvmt
"			1110	28186		20.0 gutter out
"			1120	28186		22.0 " in
"			1058	28248		22.0 Top cb
"			106	2825		34.0 P.L.
27+35.2			1005	28301	6.0 pvmt	
"			1056	28250	9.8 gutter out	
"			1063	28243	11.8 " "	
"			1070	28236	13.8 " in	
"			1013	28293	13.8 top cb	
"			96	2835	26.0 P.L.	

Profile No. ____ Notes Red ____ Plotted ____ Job No. 622200 Division No. ____ F. B. 1986 Pg. 125
X-Sec. No. ____ Date ____ Date ____ Survey of Michigan Ave. Proj #17
Notes Chkd. ____ Checked ____ Survey by N.R. Smith Notes H.E.E. Date 3-30-55
Date ____ Date ____ Map No. ____ Indexed Johnson Date ____

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STATION	B. S.	H. I.	F. S.	ELEV.	Left	Right
28+00		293 06	735	28571		℄ stormdrain
"			730	28576		4.0 ℄ street
"			760	28546		11.0 pvmt
"			783	28523		16.0 E. edge pvmt
"			87	284[illegible]		19.0 gutter (dirt)
"			72	2859		24.0 ark
"			65	28[illegible]		34.0 P.L.
"			767	28539	6.0 pvmt	
"			808	284[illegible]8	12.0 gutter out	
"			809	284[illegible]7	14.0 " in	
"			743	28563	14.0 top cb.	
"			71	2860	26.0 P.L.	
28+20.0			667	28639		℄ stormdrain
"			700	28[illegible]6	6.0 pvmt	
"			727	28[illegible]79	11.7 gutter out	
"			735	28[illegible]1	14.0 " in	
"			658	28[illegible]3	14.0 top cb	
"			63	28[illegible]	26.0 P.L.	
TP-BM	527	294 44	389	289 17	T.P. B.M. KW 116 = 289.171	
28+41.8			710	28734		℄ stormdrain
"			720	287[illegible]4		10.6 S. M H rim

7.20
5.90
1.10

F. B. 1986 Pg. 126 Job No. 6222.00 Division No. Notes Red. Plotted Profile
Survey of Michigan Ave Proj #17 Date 3-30-55 Date No.
Survey by N.R. Smith Notes H.E. Frank Notes Chkd. Checked X-Sec.
Indexed A. C. Johnson Date Date No.

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STATION	B. S.	H. I.	F. S.	ELEV.	Left	℄	Right
28+41.8		29444	1310	28134	invert 10" outlet south		
"			712	28732			10.6 N. M.H. Rim 5.80 712 12.92
"			1292	28152	invert 10" inlet North		
"			713	28731			10.6 W. M.H. Rim 5.87 713 13.00
"			1300	28144	invert 10" inlet west		
28+67.0			610	28834			4.0 ℄ street
"			622	28822			11.0 pvmt
"			642	28802			16.0 E. edge pvmt
"			74	2870			20.0 gutter (dirt)
"			66	2878			22.0 brk
"			54	2890			34.0 P.L.
29+13.7			423	29021	(on stormdrain prod)		℄ stormdrain
"			414	29030			4.0 Street
"			435	29009			11.0 pvmt
"			450	28994			16.0 E. edge pvmt
"			54	2890			19.0 gutter (dirt)
"			44	2900			24.0 brk
"			36	2908			34.0 P.L.
"			458	28986	6.0 pvmt		
"			497	28947	11.6 gutter out		
"			501	28943	13.9 " in		

Profile No. ____ Notes Rod. ____ Plotted ____ Job No. 6222.00 Division No. ____ F. B. 1986 Pg. 127
X-Sec. No. ____ Date ____ Date ____ Survey of Michigan Ave Project
Notes Chkd. ____ Checked ____ Survey by N.R. Smith Notes HEF Date 3-30-55
Date ____ Date ____ Map No. ____ Date ____

76L298 307 8-53

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F. B. 1286 Pg. 128 Profile
Survey of Michigan Ave Prot F/F Division No. 52200 Job No. Notes Red. Plotted
Survey by N. R. Smith Notes H. E. Franks Date 3-30-55 Date Date X-Sec. No.
Indexed C. Johnson Date Notes Chkd. Checked Date No.

STATION	B. S.	H. I.	F. S.	ELEV.	Left	℄	Right
29+13.7		294.44	433	29[illegible]11	13.9 top cb		(on storm drain prod)
"			41	29[illegible]3	26.0 P.L.		
29+23.7			380	290.64		℄	storm drain
"			416	29[illegible]38	6.0 pvmt		
"			454	28[illegible]	14.9 gutter out		
"			462	28[illegible]2	13.9 " "		
"			391	290.53	13.9 top cb		
29+63.7			209	29[illegible]5		℄	storm drain
"			240	29[illegible]4	6.0 pvmt		
"			295	29[illegible]9	12.0 gutter out		
"			297	29[illegible]7	13.9 " "		
"			228	29[illegible]	13.9 top cb		
30+10.7			008	294[illegible]		℄	storm drain
"			001	294.43			4.0 ℄ street
"			030	29[illegible]4			11.0 pvmt
"			049	29[illegible]5			16.0 E. edge pvmt
"			16	29[illegible]			21.0 gutter (dirt)
"			36	293.8			26.0 b.r.k
"			00	294.44			34.0 P.L.
"			041	294.03	6.0 pvmt		
"			089	293.55	12.0 gutter out		

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Do not extend notes this side of this line.

STATION	B. S.	H. I.	F. S.	ELEV.	Left	℄ Right
30+10.7		29444	093	29351	14.0 gutter in	
"			023	29421	14.0 top cb	
"			21	2943	26.0 P.L.	
28+53.6			716	28728		℄ third st x gutter
28+81.4			649	28795		℄ storm drain
"			617	28827		8.0 ℄ street (third)
"			600	28844		18.0 pvmt
"			593	28851		26.0 gutter out
"			603	28841		28.0 " in
"			534	28910		28.0 top cb
"			49	2895		38.0 P.L.
28+84.88			644	28800		℄ storm drain
"			701	28743	10.0 gutter out	
"			712	28732	12.0 " "	
"			643	28801	12.0 top cb	
			65	2879	22.0 P.L.	
29+00			633	28811		℄ storm drain
"			599	28845		8.0 ℄ Third St
"			589	28855		18.0 pvmt
"			593	28851		26.0 gutter out
"			610	28834		28.0 " in

Profile Notes Red. ____ Plotted ____ Job No. 622200 Division No. ____ F. B. 1986 Pg. 129
No. ____ Date ____ Date ____ Survey of Michigan Ave Proj #17
X-Sec. Notes Chkd. ____ Checked ____ Survey by N.R. Smith Notes HEF Date 3-30-55
No. ____ Date ____ Date ____ Map No. ____ Indexed G. Johnson Date ____

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STATION	B. S.	H. I.	F. S.	ELEV.	Left	℄ Right
29+00		29444	542	28902		28.0 top cb.
"			46	28[illegible]8		38.0 P.L.
"			693	28[illegible]51	10.0 gutter out	
"			701	28[illegible]43	12.0 " in	
"			634	28[illegible]	12.0 top cb.	
"			64	28[illegible]	22.0 P.L.	
T.P.	561	29411	594	28850	T.P. 30+00 ℄ storm drain	
30+00			564	28[illegible]		℄ storm drain
"			530	28881		8.0 ℄ street
"			508	28[illegible]		18.0 pvmt
"			534	28[illegible]7		26.0 gutter out
"			549	28862		28.0 " in
"			481	28[illegible]0		28.0 top cb.
"			45	28[illegible]6		38.0 P.L.
"			640	28[illegible]1	10.0 gutter out	
"			646	28[illegible]5	12.0 " in	
"			581	28[illegible]0	12.0 top cb.	
"			62	28[illegible]	22.0 P.L.	
31+00			548	28[illegible]		℄ storm drain
"			519	288[illegible]2		8.0 ℄ street
"			499	289[illegible]		18.0 pvmt

F. B. 1986 PG. 130 Job No. 6222.00 Division No. ____ Notes Red. ____ Plotted ____ Profile ____
Survey of Michigan Ave Proj #17 Date 3-30-55 Date ____ No. ____
Survey by N.R. Smith Notes H.E. Frank Notes Chkd. ____ Checked ____ X-Sec. ____
Indexed ~~K.~~ C. Johnson Date ____ Date ____ No. ____

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STATION	B. S.	H. I.	F. S.	ELEV.	Left	℄ Right
31+00		294.11	516	28895		26.0 gutter out
"			527	28884		28.0 " in
"			464	28947		28.0 top cb.
"			42	2899		38.0 P.L.
"			616	28795	10.0 gutter out	
"			626	28785	12.0 " in	
"			560	28851	12.0 top cb.	
"			59	2882	22.0 P.L.	
32+00			522	28889		℄ storm drain
"			495	28916		8.0 ℄ street
"			466	28945		18.0 pvmt
"			488	28923		26.0 gutter out
"			506	28905		28.0 " in
"			441	28970		28.0 top cb
"			42	2899		38.0 P.L.
"			595	28816	10.0 gutter out	
"			604	28707	12.0 " in	
"			540	28871	12.0 top cb.	
"			53	2888	22.0 P.L.	
32+45°			514	28897		℄ storm drain
"			575	28836	9.0 ctr. MH 2.26 575	
					8.01	

Profile Notes Red. ____ Plotted ____ Job No. 622200 Division No. ____ F. B. 1986 Pg. 131
No. ____ Date ____ Date ____ Survey of Michigan Ave Proj #17
X-Sec. Notes Chkd. ____ Checked ____ Survey by N.R. Smith Notes H.E.F. Date 3-30-55
No. ____ Date ____ Date ____ Map No. ____ Checked Johnson Date ____

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STATION	B. S.	H. I.	F. S.	ELEV.	Left	℄ Right
32+45°		294 11	801	[illegible]	Invert of 1.80 x 1.15 corr. iron drain pipe	
33+07.7			507	[illegible]		℄ storm drain
"			469	[illegible]		8.0 ℄ street
"			443	[illegible]		18.0 pvmt
"			470	[illegible]		25.6 gutter out
"			482	[illegible]		28.0 " in
"			416	[illegible]		28.0 top cb
"			40	[illegible]		38.0 P.L.
"			576	[illegible]	10.0 gutter out	
"			583	[illegible]	12.0 " in	
"			518	[illegible]	12.0 top cb	
"			54	[illegible]	22.0 P.L.	
T.P.	596	295 06	501	[illegible]	T.P. 33+00 ℄ Drain	
33+24.0			655	[illegible]	9.0 str. M.H. Rim 3.41 6.55 9.96	
"			996	[illegible]	Invert of 1.80 x 1.15 corr. iron drain pipe	
33+49.0			583	[illegible]		℄ storm drain
"			592	[illegible]		17.0 E. M.H. Rim 6.58 5.92 12.50
"			1250	[illegible]	Invert 10" outlet East	
"			589	[illegible]		17.0 W. M.H. Rim 6.65 5.89 12.54
"			1254	[illegible]	Invert 8" inlet East	
"			593	[illegible]		17.0 N. M.H. Rim 6.45 5.93

F. B. 1986 PG. 132 Job No. 622200 Division No. Notes Red. Plotted Profile
Survey of Michigan Ave Proj #17 Date 3-30-55 Date No.
Survey by N.R. Smith Notes H.E. Frank Notes Chkd. Checked X-Sec.
Indexed C. Johnson Date Date Date No.

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STATION	B. S.	H. I.	F. S.	ELEV.	Left	℄ Right
33+49.0		295 06	1238	28268	Invert 8" inlet North	
33+49.62=0+00N			550	28956	℄ Intc. stormdrain	& ℄ Elden Ave
0+08.0			534	28972		℄ street (Elden Ave)
0+28.0			566	28940		℄ cross gutter (Elden)
0+55.0			495	29011		℄ street (Elden Ave)
"			507	28999		7.5 pvmt
"			527	28979		13.0 gutter out
			539	28967		15.0 " in
			474	29032		15.0 top cb.
			45	2906		25.0 P.L.
			503	29003	7.5 pvmt	
"			529	28977	13.0 gutter out	
"			537	28969	15.0 " in	
"			473	29033	15.0 top cb.	
"			45	2906	25.0 P.L.	
T.P. KW-117	595	29502	599	28907	T.P. B.M. KW-117 Elev. = 289.076	
0+65.0			471	29031		℄ street Elden Ave
"			481	29021		7.5 pvmt
"			500	29002		13.0 gutter out
"			513	28989		15.0 " in
"			448	29054		15.0 top cb.

Profile Notes Red. ____ Plotted ____ Job No. 622200 Division No. ____ F. S. 1986 Pg. 133
No. ____ Date ____ Date ____ Survey of Michigan Ave Proj #17
X-Sec. Notes Chkd. ____ Checked ____ Survey by N.R. Smith Notes H.E.F. Date 3-30-55
No. ____ Date ____ Date ____ Map No. ____ Ended Johnson Date ____

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F.B. 1986 Pg. 134 Job No. 6222.00 Division No. Notes Red. Plotted Profile No.
Survey of Michigan Ave Proj #17 Date 3-30-55 Date X-Sec. No.
Survey by N.R. Smith Notes H.E. Fronk Notes Chkd. Checked
Indexed C. Johnson Date Date Date

STATION	B. S.	H. I.	F. S.	ELEV.	Left	℄ Right
0+65.0		295.02	43	29[illegible]7		25.0 P.L.
"			482	29[illegible].0	7.5 pvmt	
"			504	28[illegible]8	12.0' gutterout	
"			510	28[illegible]2	15.0 " "	
"			448	29[illegible]4	15.0 top ob	
"			43	29[illegible]	25.0 P.L.	
1+05.0			398	291[illegible]4		℄ street
"			401	29[illegible]		7.5 pvmt
"			420	29[illegible]2		13.0 gutter out
"			433	29[illegible]		15.0 " in
"			372	29[illegible]		15.0 top ob.
"			36.	291[illegible]		25.0 P.L.
"			408	290[illegible]4	7.5 pvmt	
"			429	290[illegible]3	13.0 gutter out	
"			442	29[illegible]	15.0 " in	
"			375	291[illegible]	15.0 Top ob.	
"			34	2916	25.0 P.L.	
2+05.0			199	293[illegible]		℄ street
"			234	292[illegible]		7.5 pvmt
"			222	29[illegible]		13.0 gutter out
"			233	292[illegible]		15.0 " in

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STATION	B. S.	H. I.	F. S.	ELEV.	Left	℄ Right
2+05.0		29502	176	29326		15.0 top cb.
"			15	2935		25.0 P.L.
"			209	29293	7.5 pvmt	
"			224	29278	13.0 gutter out	
"			235	29267	15.0 " "	
"			170	29332	15.0 top cb.	
"			14	2936	25.0 P.L.	
2+71.0			058	29444	8.85 / 058 / 9.43	Center M.H.
"			943	28559	Invert 8" outlet South	
"			058	29444	8.76 / 058 / 9.34	Center M.H.
"			934	28568	Invert 8" inlet North	
"			058	29444	8.63 / 058 / 9.21	Center M.H.
"			921	28581	Invert 8" inlet West	
33+91.6			570	28932		℄ storm drain
"			534	28968		8.0 ℄ street
"			529	28973		18.0 pvmt
"			543	28959		25.5 gutter out
"			550	28952		28.0 " "
"			486	29016		28.0 top cb
"			44	2906		38.0 P.L.
"			643	28859	10.0 gutter out	

Profile Notes Red. ____ Plotted ____ Job No. 622200 Division No. ____ F. B. 1986 Pg. 135
No. ____ Date ____ Date ____ Survey of Michigan Ave Proj #17
X-Sec. Notes Chkd. ____ Checked ____ Survey by N.R. Smith Notes H.E.F. Date 3-30-55
No. ____ Date ____ Date ____ Map No. ____ Indexed Johnson Date ____

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STATION	B. S.	H. I.	F. S.	ELEV.	Left	℄ Right
33+91.6		295.02	657	288.45	12.0 gutter in	
"			589	289.13	12.0 Top cb.	
"			58	289.6	22.0 P.L.	
35+00			560	289.42		℄ storm drain
"			525	289.77		8.0 ℄ street
"			511	289.91		18.0 [illegible]
"			524	289.78		26.0 gutter out
"			533	289.69		28.0 " in
"			468	290.34		28.0 Top cb
"			43	290.7		38.0 P.L.
"			631	288.71	10.0 gutter out	
"			633	288.69	12.0 " in	
"			570	289.32	12.0 Top cb.	
"			56	289.4	22.0 P.L.	
35+65.0			540	289.62		℄ storm drain
"			594	289.08	8.6 E. M.H. Rim 6.83 / 5.94 / 12.82	
"			1282	282.20	Invert of 1.80 x 1.15 corr. iron drain pipe	
"			595	289.07	8.6 W. M.H. Rim 7.00 / 5.95 / 12.95	
"			1295	282.07	Invert of 1.80 x 1.15 corr. iron drain pipe	
T.P.	742	29663	581	289.21	T.P.	
36+00			687	289.36		℄ storm drain

F. B. 1986 Pg. 136 Job No. 6222.00 Division No. Notes Red. Plotted Date 3-30-55 Date No. Profile
Survey of Michigan Ave. Proj #17 Date 3-30-55 Date No. X-Sec.
Survey by N.R. Smith Notes H. E. Frank Notes Chkd. Checked
Indexed C. Johnson Date Date Date No.

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STATION	B. S.	H. I.	F. S.	ELEV.	Left	℄ Right
36+00		293.63	657	29006		8.0 ℄ street
"			646	29017		18.0 pvmt
"			654	29009		26.0 gutter out
"			669	28994		28.0 " in
"			603	29060		28.0 Top cb.
"			55	2911		38.0 P.L.
"			761	28902	12.0 gutter out	
"			769	28894	12.0 " in	
"			708	28955	12.0 Top cb.	
"			69	2897	22.0 P.L.	
36+74.1			667	28996		℄ storm drain
"			634	29029		8.0 ℄ street
"			630	29033		18.0 pvmt
"			646	29017		26.0 gutter out
"			654	29009		28.0 " in
"			592	29071		28.0 Top cb.
"			52	2914		38.0 P.L.
"			754	28909	12.0 gutter out	
"			762	28901	12.0 " in	
"			701	28962	12.0 Top cb.	
"			66	2900	22.0 P.L.	

Profile Notes Red. ____ Plotted ____ Job No. 6222.00 Division No. ____ F. B. 1986 Pg. 137
No. ____ Date ____ Date ____ Survey of Michigan Ave Proj #17
X-Sec. Notes Chkd. ____ Checked ____ Survey by N.R. Smith Notes H.E.F. Date 3-30-55
No. ____ Date ____ Date ____ Map No. ____ Indexed Johnson Date ____

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STATION	B. S.	H. I.	F. S.	ELEV.	Left	℄ Right
36+97.8		296 63	657	2[illegible]		℄ Storm drain
"			666	281 97	17.1 E. M.H. Rim 6.03 / 6.66 / 12.69	
"			12 69	283 94	Invert 8" outlet East	
"			660	29 003	17.1 W. M.H. Rim 6.05 / 6.60 / 12.65	
"			12 65	28[illegible] 98	Invert 6" inlet West	
"			660	2[illegible] 03	17.1 W. M.H. Rim 2.89 / 6.60 / 9.49	
"			949	287 14	Invert 6" drop inlet W.	
"			665	28[illegible] 98	17.1 N. W. M.H. Rim 6.00 / [illegible] / 12.65	
"			12 65	283 98	Invert 6" inlet N.W.	
37+00			655	290 08		℄ Storm drain
"			742	28[illegible] 21	10.0 gutter out	
"			751	28[illegible] 12	12.0 " in	
"			688	28[illegible] 5	12.0 Top cb	
"			66	2[illegible]	22.0 P.L.	
37+18.27 BK=0+00W			606	290 57	℄ Intc. Third St. & Euclid Ave	
5+60.7			510	291 53		℄ Storm drain
"			482	291 [illegible]1		8.0 ℄ Third St
"			472	291 [illegible]1		18.0 pvmt
"			490	29[illegible] 3		25.9 gutter out
"			523	291 40		27.9 " in
"			434	29[illegible] 29		27.9 Top cb.

F. B. 1986 Pg. 138 Job No. 622200 Division No. Notes Red. Plotted No. Profile
Survey of Michigan Ave Pro T#17 Date 3-30-55 Date X-Sec.
Survey by N.R. Smith Notes H.F. Frank Notes Chkd. Checked
Indexed C. Johnson Date Date No.

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STATION	B. S.	H. I.	F. S.	ELEV.	Left ℄	Right
0+80.7		29663	434	29229		27.9 top E. edge catch Basin
"			745	28918	invert 12" inlet East	3.11
"			37	2929		38.0 P.L. 4.34 7.45
"			597	29066	10.0 gutter out	
"			599	29064	12.0 " in	
"			536	29127	22.0 Top cb.	
"			49	2917	32.0 P.L.	
37+58.4			493	29170		℄ storm drain
"			491	29172		8.0 ℄ Euclid Ave.
"			495	29168		18.0 pvmt
"			508	29155		26.0 gutter out
"			521	29142		28.0 " in
"			456	29207		28.0 Top cb
"			44	2922		38.0 P.L.
38+03			358	29305		℄ storm drain
"			356	29307		8.0 ℄ Euclid Ave
"			361	29302		18.0 pvmt
"			379	29284		26.0 gutter out
"			431	29232		28.0 " in
"			324	29339		28.0 Top cb
"			315	29348		28.0 Top catch Basin

Profile No. ____ Notes Red. ____ Plotted ____ Job No. 622200 Division No. ____ F. B. 1986 Pg. 139
X-Sec. No. ____ Date ____ Date ____ Survey of Michigan Ave Proj #17
Notes Chkd. ____ Checked ____ Survey by N.R. Smith Notes H.E.F. Date 3-31-55
Date ____ Date ____ Map No. ____ Made by Johnson Date ____

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STATION	B. S.	H. I.	F. S.	ELEV.	Left	℄ Right
38+03		296 63	6 71	28[illegible]92	Invert 12" outlet West	3.56 + 3.15 = 6.71
"			2 8	2[illegible]		38.0 P.L.
"			3 71	29[illegible]2	10.0 gutter out	
"			4 25	29[illegible]	12.0 " in	
"			3 15	29[illegible]8	12.0 Top cb	
"			3 12	29[illegible]51	12.0 Top catch Basin	3.94
"			~~10.06~~ 7.06	~~28[illegible]57~~ 28[illegible]57	Invert 12" outlet SE	3.12 10.06
"			3 8	29[illegible]	22.0 P.L.	7.[illegible]
T.P.	776	303 40	0 99	29[illegible]4	T.P. 39+00 ℄ Drain	
39+00			7 77	29[illegible]3		℄ storm drain
"			7 71	29[illegible]9		8.0 ℄ street
"			7 71	29[illegible]		18.0 pvmt
"			7 79	29[illegible]		26.0 gutter out
"			7 83	29557		28.0 " in
"			7 01	29[illegible]		28.0 Top cb
"			6 5	29[illegible]		38.0
"			7 86	295[illegible]4	10.0 gutter out	
"			7 91	295[illegible]9	12.0 " in	
"			7 11	296 29	12.0 Top cb	
"			7 1	29 63	22.0 P.L.	
T.P.	598	305 09	4 29	299[illegible]	T.P. BM KW-119	Elev. = 299.106

F. B. 1986 Pg. 140 Job No. 6222.00 Division No. Notes Red. Plotted Profile
Survey of Michigan Ave Proj 17 Date 3-31-55 Date No.
Survey by N. R. Smith Notes H. E. Frank Notes Chkd. Checked X-Sec.
Indexed K. C. Johnson Date Date Date No.

76L298 307 8-53

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Do not extend notes this side of this line.

STATION	B. S.	H. I.	F. S.	ELEV.	Left	℄ Right
39+49.8		305 09	796	297 13		℄ Storm drain
"			796	297 13		8.0 ℄ Street
"			795	297 14		18.0 pvmt
"			800	297 09		25.5 gutter out
"			800	297 09		27.8 " "
"			720	297 89		27.8 Top cb
"			70	298 1		38.0 P.L.
39+95.2			652	298 57		℄ Storm drain
"			667	298 42	9.8 gutter out	
"			670	298 39	12.0 " "	
"			586	299 23	12.0 Top cb	
"			58	299 3	22.0 P.L.	
40+31.4			555	299 54		℄ Storm drain
"			562	299 47		8.0 E. M.H. Rim 10.55 / 5.62 / 16.17
"			16 17	288 92	invert 6" outlet East	
"			556	299 53		8.0 N. M.H. Rim 10.40 / 5.56 / 15.96
"			15 96	289 13	invert 6" inlet North	
"			559	299 50		8.0 N.W. M.H. Rim 10.51 / 5.59 / 16.10
"			16 10	288 99	invert 6" inlet N.W.	
40+33.88 = 0+00 E.&W.			551	299 58	℄ Intc. Storm drain	& ℄ Emory Drive
0+14 (Going		west)	544	299 65		℄ Emory to W. cross gutter

Profile Notes Red. ____ Plotted ____ Job No. 6222.00 Division No. ____ F. B. 1986 Pg. 141
No. ____ Date ____ Date ____ Survey of Michigan Ave Proj #17
X-Sec. Notes Chkd. ____ Checked ____ Survey by N.R. Smith Notes H.E.F. Date 3-31-55
No. ____ Date ____ Date ____ Map No. ____ Indexed Johnson Date ____

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STATION	B. S.	H. I.	F. S.	ELEV.	Left	℄ Right
0+33.7		305 09	441	300 68		℄ Emory going west
"			446	300 63	7.5 pvmt	
"			454	300 55	13.0 gutter out	
"			462	300 47	15.0 " in	
"			401	301 08	15.0 Top cb	
"			41	3010	25.0 P.L.	
0+48.7			401	301 08		℄ Emory going west
"			406	301 03	7.5 pvmt	
"			429	300 80	13.0 gutter out	
"			438	300 71	15.0 " in	
"			370	301 39	15.0 Top cb.	
"			36	3015	25.0 P.L.	
0+72.5			347	301 62		℄ Emory going west
"			353	301 56		7.5 pvmt
"			372	301 37		13.0 gutter out
"			386	301 23		150 " "
"			319	301 90		150 Top cb.
"			28	3023		25.0 P.L.
0+83.7			320	301 89		℄ Emory going west
"			330	301 79		7.5 pvmt
"			356	301 53		13.0 gutter out

F. B. 1986 Pg. 142 Job No. 6222.00 Division No. Notes Red. Plotted No. Profile
Survey of Michigan Ave Proj #17 Date 3-31-55 Date X-Sec.
Survey by N.R. Smith Notes H. E. Frank Notes Chkd. Checked
Indexed C. Johnson Date Date No.

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STATION	B. S.	H. I.	F. S.	ELEV.	Left	℄	Right
0+83.7		30509	364	30145			15.0 gutter in
"			301	30208			15.0 Top cb.
"			25	3016			25.0 P.L.
"			335	30174	7.5 pvmt		
"			361	30148	13.0 gutter out		
"			369	30140	15.0 " in		
"			305	30204	15.0 Top cb		
"			32	3019	25.0 P.L.		
1+22.5			244	30265			℄ Emory going West
"			259	30250			7.5 pvmt
"			285	30224			13.0 gutter out
"			293	30216			15.0 " "
"			228	30281			15.0
"			17	3034			25.0
1+81.5			131	30378			E. M.H. Rim 9.43 / 1.31 / 10.74
"			1074	29435	invert 6" outlet East		
"			124	30385			W. M.H. Rim 9.08 / 1.14 / 10.22
"			1032	29477	invert 6" inlet West		
1+83.7			117	30391			℄ Emory
"			123	30386	7.5 pvmt		
"			146	30363	13.0 gutter out		

Profile No. ____ Date ____ Notes Red. ____ Date ____ Plotted ____ Date ____ Job No. 62220 Division No. ____
X-Sec. No. ____ Date ____ Notes Chkd. ____ Date ____ Checked ____ Date ____ Survey of Milestone Ave Proj Fil Survey by DR Smith Notes HEE Date 3-31-55 Map No. ____ Indexed Johnson Date ____
F. B. 1986 Pg. 143

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F. B. 1986 Pg. 44 Job No. 6222.02 Division No. Notes Red. Plotted Profile No.
Survey of Nichols Dr Ave Fro TE17 Date 3-31-55 Date X-Sec. No.
Survey by N.R. Smith Notes L.E. Eberle Notes Chkd. Checked
Indexed K. C. Johnson Date Date Date

STATION	B. S.	H. I.	F. S.	ELEV.	Left	℄	Right
1+83.7		305.09	1.60	303.49	15.0 gutter in		
"			0.91	304.18	15.0 Top cb		
"			1.1	304.0	25.0 P.L.		
2+225			0.28	304.81			℄ Emory going west
"			0.42	304.67			7.5 pvmt
"			0.73	304.36			13.0 gutter out
"			0.80	304.29			15.0 " in
"			0.16	304.93			15.0 Top cb
"			0.0	305.1			25.0 P.L.
0+33.0 (going East)			6.27	198.82			Cross gutter ℄ Emory going East
0+525 " "			5.58	199.51			℄ Emory
"			5.29	199.80	7.5 pvmt		
"			5.14	199.95	13.0 gutter out		
"			5.24	199.85	15.0 " in		
"			5.22	199.87	15.0 Top cb		
"			4.7	300.4	25.0 P.L.		
			5.41	199.68	℄ Emory going East		
0+62.5			5.26	199.83	7.5 pvmt		
"			5.36	199.73	13.0 gutter out		
"			5.48	199.61	15.0 " in		
"			5.33	199.76	15.0 Top cb.		
"			4.7	300.4	25.0 P.L.		

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STATION	B. S.	H. I.	F. S.	ELEV.	Left	℄ Right
0+92.0		305 09	570	299 39		℄ Emory going East
"			586	299 23		7.5 pvmt
"			613	298 96		13.0 gutter out
"			620	298 89		15.0 " in
"			557	299 52		15.0 Top cb
"			58	299 3		25.0 P.L.
1+05.0			584	299 25		℄ Emory going East
"			601	299 08		7.5 pvmt
"			629	298 80		13.0 gutter out
"			635	298 74		15.0 " in
"			571	299 38		150 Top cb.
"			58	299 3		25.0 P.L.
"			594	299 15	7.5 pvmt	
"			623	298 86	13.0 gutter out	
"			636	298 73	15.0 " in	
"			568	299 41	150 top cb.	
"			53	299 8	25.0 P.L.	
1+42.0			629	298 80		℄ Emory going East
"			642	298 67		7.5 pvmt
"			662	298 47		13.0 gutter out
"			670	298 39		15.0 " in

Profile No. ____ Date ____ Notes Red. ____ Plotted ____ Date ____ Job No. 622200 Division No. ____ F. B. 1986 Pg. 145

X-Sec. No. ____ Date ____ Notes Chkd. ____ Checked ____ Date ____ Survey of Michigan Ave Proj #17 Survey by N.R. Smith Notes H.E.F. Date 3-31-55 Map No. ____ Indexed Johnson Date ____

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STATION	B. S.	H. I.	F. S.	ELEV.	Left	℄ Right
1+42.0		305 09	606	29[illegible]03		15.0 Top cb
"			61	29[illegible]		25.0 P.L.
2+05.0			702	29[illegible]07		℄ Emory going East
"			707	29[illegible]2	7.5 pvmt	
"			732	29[illegible]77	13.0 gutter out	
"			742	29[illegible]	15.0 " in	
"			676	29[illegible]3	15.0 Top cb	
			64	2987	25.0 P.L.	
2+42.0			739	29[illegible]0		℄ Emory
"			745	29[illegible]4		7.5 pvmt
"			765	29[illegible]4		13.0 gutter out
"			781	29[illegible]8		15.0 " in
"			717	29[illegible]2		15.0 Top cb.
"			75	29[illegible]		25.0 P.L.
40+63.1 (Euclid Ave)			462	301[illegible]		℄ Storm drain
"			460	30[illegible]9		8.0 ℄ Street
"			475	30034		18.0 pvmt
"			484	30025		25.6 gutter out
"			491	30018		27.6 " in
"			413	30096		27.6 Top cb
"			36	3015		38.9 P.L.

F. B. 1986 PG. 146 Job No. 622200 Division No. Notes Red. Plotted Profile
Survey of Michigan Ave Proj. #17 Date 3-31-55 Date No.
Survey by N.R. Smith Notes H.E. Frank Notes Chkd. Checked X-Sec.
Indexed C. Johnson Date Date No.

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STATION	B. S.	H. I.	F. S.	ELEV.	Left ℄ Right	
40+73.3		30509	433	30076		℄ storm drain
"			441	30168	8.5 ctr. M.H. Rim	4.77
"			918	29591	invert of conc. arch top 3.70X30.5	High wide 4.41 / 9.18
41+08.2			330	30179		℄ storm drain
"			325	30184	9.6 gutter out	
"			337	30172	12.0 " in	
"			252	30257	12.0 Top cb	
"			22	3029	22.0 P.L.	
T.P.	928	31422	015	30494	T.P. 42+00 ℄ drain	
42+00			928	30494		℄ storm drain
"			932	30490		8.0 ℄ street
"			940	30482		18.0 pvmt
"			954	30468		26.0 gutter out
"			965	30457		28.0 " in
"			880	30542		28.0 top cb
"			88	3054		38.0 P.L.
"			932	30490	10.[illegible] gutter out	
"			940	30482	12[illegible] " in	
"			858	30564	12.0 [illegible] cb	
"			83	3059	22[illegible]	
42[illegible]+47.0			765	30657		℄ storm drain

Profile Notes Red. Plotted Job No. 6222.00 Division No. F. B. 1986 Pg. 147
No. Date Date Survey of Michigan Ave Proj #17
X-Sec. Notes Chkd. Checked Survey by N.R. Smith Notes H.E.F. Date 3-31-55
No. Date Date Map No. Indexed Johnson Date

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F. B. 1986 Pg. 148 Job No. 622200 Division No. Notes Red. Plotted
Survey of Michigan Ave Proj #17 Date 3-31-55 Date
Survey by N.R. Smith Notes H.E. Frank Notes Chkd. Checked
Indexed C. Johnson Date Date

STATION	B. S.	H. I.	F. S.	ELEV.	Left	℄	Right
42+47.0		314 22	766	30656			8.0 So. M.H. Rim 7.26 766 14.92
"			1492	29730	invert 6" outlet south		
"			759	30663			8.0 No. M.H. Rim 7.18 7.59 14.77
"			1477	29945	(Plugged) invert 6" inlet North		
42+52.27 ⊥ PT			748	30674		℄	storm drain
42+57.8			733	30689		℄	" "
"			731	30691			8.0 ℄ street
"			732	30690			18.0 pvmt
"			746	30676			25.3 gutter out
"			750	30672			27.4 gutter in
"			663	30759			27.4 Top c.b.
"			67	3075			38.0 P.L.
43+01.5			578	30844		℄	storm drain
"			593	30829	12.2 gutter out		
"			598	30824	14.2 " in		
"			515	30907	14.2 Top c.b.		
"			53	3069	22.0 P.L.		
43+30.5			477	30945		℄	storm drain
"			517	30905			20.0 E. Rim M.H. 12.77 = 517 + 760
"			1277	30145	invert 6" outlet east		
"			511	30911			20.0 W. Rim M.H. 744 5.11

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STATION	B. S.	H. I.	F. S.	ELEV.	Left	℄ Right
43+20.5		314.22	12.55	301.67	invert 6" inlet west	
"			5.10	309.12		20.0 N. Rim M. H. 742 510 12.52
"			12.52	301.70	invert 6" inlet North	
T.P.	320	316.44	0.98	313.24	T.P. BM WZ-120	Elev. = 313.242
43+42.27	℄ PT.		6.66	309.78	=0+00 E & W.	℄ storm drain
0+36.0			5.51	310.93		℄ Fourth St going west
"			5.79	310.65	9.0 pvmt	
"			6.33	310.11	16.0 gutter out	
"			6.41	310.03	18.0 " in	
"			5.82	310.62	18.0 Top cb	
"			5.6	310.8	30.0 P.L.	
0+51.0			4.97	311.47		℄ Fourth St going west
"			5.35	311.09	9.0 pvmt	
"			5.92	310.52	16.0 gutter out	
"			6.01	310.43	18.0 " in	
"			5.34	311.10	18.0 top cb.	
"			5.2	311.2	30.0 P.L.	
0+80.0			4.09	312.35		℄ Fourth St going west
"			3.94	312.50		9.0 pvmt
"			4.05	312.39		16.0 gutter out
"			4.22	312.22		18.0 " in

Profile No. ____ Date ____ Notes Red ____ Date ____ Plotted ____ Date ____ Job No. 622.00 Division No. ____
X-Sec. No. ____ Date ____ Notes Chkd. ____ Date ____ Checked ____ Date ____ Survey at Michigan Ave Proj #17 Survey by N.R. Smith Notes H.E.E. Date 3-31-55 Map No. ____ Indexed Johnson Date ____
F. B. 1986 Pg. 149

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STATION	B. S.	H. I.	F. S.	ELEV.	Left	℄ Right
0+80.0		316 44	353	312 91		18.0 top cb
"			32	31[illegible]2		30.0 P.L.
0+90.0			384	31[illegible]60		℄ Fourth St. going west
0+90.0			370	31[illegible]74		8.0 pvmt
"			378	31[illegible]66		16.0 gutter out
"			395	31[illegible]49		18.0 " in
"			333	31311		18.0 Top cb.
"			30	31[illegible]4		30.0 P.L.
"			426	31[illegible]18	9.0 pvmt	
"			483	311[illegible]61	16.0 gutter out	
"			491	31[illegible]53	18.0 " in	
"			429	31[illegible]15	18.0 Top cb.	
"			42	31[illegible]2	30.0 P.L.	
1+30.0			283	31[illegible]1		℄ Fourth St going west
"			270	31374		9.0 pvmt
"			283	31361		16.0 gutter out
"			295	31[illegible]49		18.0 " in
"			237	31[illegible]7		18.0 Top cb.
"			20	3144		30.0 P.L.
1+86.0			177	314[illegible]7	9.0 pvmt	
"			244	31400	16.0 gutter out	

F. B. 1986 Pg. 150 Job No. 622200 Division No. Notes Red. Plotted Profile
Survey of Michigan Ave Proj #17 Date 3-31-55 Date No.
Survey by N.R. Smith Notes H.E. Frank Notes Chkd. Checked X-Sec.
Indexed K. C. Johnson Date Date Date No.

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STATION	B. S.	H. I.	F. S.	ELEV.	Left	℄ Right
1+86.0		316 44	248	313 96	18.0 gutter in	
"			183	314 61	18.0 Top cb	
"			16	314 8	30.0 P.L.	
2+30.0			027	316 17		℄ Fourth St going west
"			018	316 26		9.0 pvmt
"			029	316 15		16.0 gutter out
"			041	316 03		18.0 " in
"			+030	316 74		18.0 Top cb.
"			+04	316 8		30.0 P.L.
2+37.0			007	316 37		℄ Fourth St = ℄ M.H.
"			009	316 3.5		E. M.H. Rim 7.23 / 0.09 / 7.32
"			732	309 12	Invert 6" outlet East	
"			005	316 39		W. M.H. Rim 7.12 / 0.05 / 7.17
"			717	309 27	Invert 6" inlet west	
0+28.2	going East		762	308 82		℄ Fourth St cross gutter
0+46.5	"	"	707	309 37		℄ Fourth St.
"			651	309 93	9.0 pvmt	
"			631	310 13	16. gutter out	
"			632	310 12	18. " in	
"			624	310 20	18. Top cb	
"			59	310 5	30 P.L.	

Profile Notes Red ____ Plotted ____ Job No. 6222.00 Division No. ____ F. B. 1986 Pg. 151
No. ____ Date ____ Date ____ Survey of Michigan Ave Proj #17
X-Sec. Notes Chkd ____ Checked ____ Survey by A.R. Smith Notes H.E.E. Date 3-31-55
No. ____ Date ____ Date ____ Map No. ____ Date ____

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STATION	B. S.	H. I.	F. S.	ELEV.	Left	℄ Right
0+56.5		316.44	692	309.52		℄ Fourth St.
"			669	309.75	9.0 pvmt	
"			666	309.78	16.0 gutter out	
"			668	309.76	18.0 " in	
"			644	310.00	18.0 top ab.	
"			61	310.3	30.0 P.L.	
0+89.0			759	308.85		℄ Fourth St
"			774	308.70		9.0 pvmt
"			794	308.50		16.0 gutter out
"			799	308.45		18.0 " in
"			793	308.51		18.0 Top ab
"			77	308.7		30.0 P.L.
0+96.5			781	308.63		℄ Fourth St
"			796	308.48		9.0 pvmt
"			833	308.11		16.0 gutter out
"			837	308.07		18.0 " in
"			815	308.29		18.0 Top ab.
"			79	308.[illegible]		30.0 P.L.
"			780	308.64	9.0 pvmt	
"			791	308.53	16.0 gutter out	
"			800	308.44	18.0 " in	

F. B. 1986 Pg. 152 Job No. 6222.00 Division No. Notes Red. Plotted Profile
Survey of Michigan Ave Proj #17 Date 3-31-55 Date No.
Survey by N.R. Smith Notes H.E. Frank Notes Chkd. Checked X-Sec.
Indexed C. Johnson Date Date Date No.

76L298 307 8-53

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726 LOS ANGELES COUNTY ENGINEERING BLDG.

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STATION	B. S.	H. I.	F. S.	ELEV.	Left	℄ Right
0+96.5		316 44	734	30910	18.0 Top cb	
"			70	3094	30.0 P.L.	
1+39.0			879	30765		℄ Fourth St (East)
"			902	30742		9.0 pvmt
"			938	30706		16.0 gutter out
"			946	30698		18.0 " in
"			940	30704		18.0 Top Depressed cb
"			87	3077		30.0 P.L.
1+96.5			978	30666		℄ Fourth St (East)
"			976	30668	9.0 pvmt	
"			992	30652	16.0 gutter out	
"			1007	30637	18.0 " in	
"			940	30704	18.0 Top cb.	
"			90	3074	30.0 P.L.	
2+39.0			1023	30621		℄ Fourth St. East
"			1039	30605		9.0 pvmt
"			1066	30578		16.0 gutter out
"			1071	30573		18.0 " in
"			1007	30637		18.0 Top cb.
"			97	3067		30.0 P.L.
43+74.5			567	31077		℄ Storm drain (Euclid)

Profile Notes Red. ____ Plotted ____ Job No. 622200 Division No. ____ F. B. 1986 Pg. 153
No. ____ Date ____ Date ____ Survey of Michigan Ave Proj #17
X-Sec. Notes Chkd. ____ Checked ____ Survey by N.R. Smith Notes H.E.E. Date 3-31-55
No. ____ Date ____ Date ____ Map No. ____ Date ____

76L298 307 8-53

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STATION	B. S.	H. I.	F. S.	ELEV.	Left	℄ Right
43+74.4		316 44	5 56	31[illegible]28	12.4 So. Top of vertical catch Basin	4.93 / 5.56 / 10.49
"			10 49	30[illegible]95	invert of 36" conc. Pipe	
"			5 67	31[illegible]77		4.0 ℄ Euclid Ave
"			5 79	31[illegible]65		15.0 p.v.m.t.
"			5 96	31[illegible]48		23.4 gutter out
"			5 94	31[illegible]50		26.0 " in
"			5 01	31[illegible]43		26.0 Top cb.
"			4 6	31[illegible]8		34.0 P.L.
43+98.4			4 96	31[illegible]48		℄ Storm drain
"			3 73	31[illegible]71	42.1 Top ctr of conc. catch Basin	2.59 / 3.73 / 6.32
"			6 32	31[illegible]	invert of 12" outlet N.E.	
44+09.4			4 54	31[illegible]0		℄ Storm drain
"			3 72	31[illegible]72	19.0 top of conc. catch basin	3.15 / 3.72 / 6.87
"			6 87	30[illegible]57	invert of 12" outlet East	
44+24.9			4 01	312 43		℄ Storm drain
"			3 91	312 53	12.1 gutter out	
"			4 02	312 42	14.0 " "	
"			3 42	313 02	14.0 Top cb.	
"			3 2	313[illegible]	20.0 P.L.	
T.P.	10 01	323 25	3 20	31[illegible]24	T.P. BM KW-120	
45+00			8 24	315 01		℄ Storm drain

F. B. 1986 Pg. 154 Job No. 622200 Division No. Notes Red. Plotted No. Profile
Survey of Michigan Ave Proj #17 Date 3-31-55 Date X-Sec.
Survey by N.R. Smith Notes H.E. Frank Notes Chkd. Checked No.
Indexed A. C. Johnson Date Date

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STATION	B. S.	H. I.	F. S.	ELEV.	Left	℄ Right
45+00		32325	827	31498		4.0 ℄ Euclid Ave
"			845	31480		15.0 pvm't
"			852	31473		24.0 gutterout
"			853	31472		26.0 " in
"			761	31564		26.0 top cb
"			72	3161		34.0 P.L.
"			820	31505	12.0 gutterout	
"			836	31489	14.0 " in	
"			779	31546	14.0 Top cb.	
"			74	3159	26.0 P.L.	
45+44.4			680	31645		℄ Storm drain
"			681	31644		4.0 ℄ Euclid Ave
"			684	31641		15.0 pvm't
"			693	31632		23.5 gutterout
"			701	31624		25.8 " in
"			601	31724		26.0 Top cb
"			58	3175		34.0 P.L.
45+84.53	=0+00 East		542	31783	℄ Intc storm drain	& Williams way
"			541	31784		4.0 ℄ Williams way
"			553	31772		15.0 pvm't
"			559	31766		19.0 Sur MH. Rim 919 559 14.78

Profile No. ____ Notes Red. ____ Date ____ Plotted ____ Date ____ Job No. 62220 Division No. ____ F. B. 1986 Pg. 155
X-Sec. No. ____ Notes Chkd. ____ Date ____ Checked ____ Date ____ Survey of Michigan Ave Proj #17 Survey by N.R. Smith Notes H.E.E. Date 4-1-55 Map No. ____ Indexed Johnson Date ____

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STATION	B. S.	H. I.	F. S.	ELEV.	Left	℄ Right
45+64.53		323 25	14 78	308 47	Invert 6" outlet South	
"			5 54	317 71		19.0 N. M.H. Rim 9.07 5.54 14.61
"			14 61	308 64	Invert 6" inlet North	
"			5 58	317 67		19.0 E. M.H. Rim 9.24 5.58 14.82
"			14 82	308 43	Invert 6" inlet East	
0+26 (going East)			5 67	317 58		℄ Williamsway cross gutter
0+52 " "			3 84	317 41		℄ " "
"			4 23	317 02		6.5 pvmt
"			4 59	318 66		11.0 gutter out
"			4 66	317 59		13.0 " in
"			4 03	317 22		13.0 Top cb
"			4 3	317 0		20.0 prop Line
"			3 77	317 48	6.5 pvmt	
"			3 74	319 51	11.0 gutter out	
"			3 84	317 41	13.0 " in	
"			3 22	320 03	13.0 Top cb	
"			3 1	320 2	20.0 P.L.	
0+62.0			3 49	319 76		℄ Williamsway
"			3 89	319 36		6.5 pvmt
"			4 34	318 91		11.0 gutter out
"			4 42	317 93		13.0 " in

F. B. 1986 Pg. 156 Job No. 622200 Division No. Notes Red. Plotted Profile
Survey of Michigan Ave Proj #17 Date 4-1-55 Date No.
Survey by N.R. Smith Notes H.E. Frank Notes Chkd. Checked X-Sec.
Indexed C. Johnson Date Date No.

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STATION	B. S.	H. I.	F. S.	ELEV.	Left	℄ Right
0+62.0		32325	375	31950		13.0 Top cb
"			41	3192		20.0 P.L.
"			353	31972	6.5 pvmt	
"			362	31963	11.0 gutter out	
"			373	31952	13.0 " in	
"			308	32017	13.0 Top cb	
"			30	3203	20.0 P.L.	
0+96.0			351	31974		℄ Williams way
"			377	31948		6.5 pvmt
"			409	31916		11.0 gutter out
"			419	31906		13.0 " in
"			351	31974		13.0 Top cb.
"			38	3195		20.0 Prop Line
"			354	31971	6.5 pvmt	
"			359	31966	11.0 gutter out	
"			365	31960	13.0 " in	
"			300	32025	13.0 Top cb.	
"			28	3205	20.0 P.L.	
1+26.0			388	31937		℄ Williams way
"			418	31907		6.5 pvmt
"			460	31865		11.0 gutter out

Profile Notes Red. ____ Plotted ____ Job No. 6222.09 Division No. ____ F. B. 1986 Pg. 157
No. ____ Date ____ Date ____ Survey of Michigan Ave Proj #17
X-Sec. Notes Chkd. ____ Checked ____ Survey by N. R. Smith Notes H.E.E. Date 4-1-55
No. ____ Date ____ Date ____ Map No. ____ Date ____

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F. B. 1986 Pg. 158 Job No. 622200 Division No. Notes Red. Plotted Profile No.
Survey of Michigan Ave Project Date 4-1-55 Date X-Sec. No.
Survey by N.R. Smith Notes H. E. Frank Notes Chkd. Checked
Indexed C. Johnson Date Date Date

STATION	B. S.	H. I.	F. S.	ELEV.	Left	℄ Right
1+26.0		323.25	4.75	318.50		13.0 gutter in
"			4.00	319.25		13.0 Top cb
"			4.3	319.0		20.0 P.L.
"			3.95	319.30	6.5 pvmt'y	
"			3.99	319.26	11.0 gutter out	
"			4.10	319.15	13.0 " in	
"			3.45	319.80	13.0 Top cb.	
"			3.4	319.9	20.0 P.L.	
46+24.8			3.98	319.27		℄ storm drain
"			3.96	319.29		4.0 ℄ Euclid Ave
"			4.08	319.17		15.0 pvmt'y
"			4.12	319.13		23.6 gutter out
"			4.18	319.07		25.9 " in
"			3.14	320.11		25.9 Top cb.
"			2.7	320.5		34.0 P.L.
"			3.95	319.30	12.0 gutter out	
"			4.05	319.25	14.0 " in	
"			3.46	319.79	14.0 Top cb.	
"			3.1	320.2	26.0 P.L.	
47+00			1.44	12.81		℄ storm drain
"			1.41	12.84		4.0 ℄ Euclid

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STATION	B. S.	H. I.	F. S.	ELEV.	Left	℄ Right
47+00		323 25	1 44	321 81		15.0 pvm'l
"			1 49	321 76		24.0 gutter out
"			1 53	321 72		26.0 " in
"			0 60	322 65		26.0 Top cb
"			0 5	322 8		34.0 P.L.
"			1 45	321 80	12.0 gutter out	
"			1 55	321 70	14.0 " in	
"			0 93	322 32	14.0 Top cb.	
"			0 4	322 9	26.0 P.L.	
TP	1121	333 01	1 45	321 80	T.P. 47+00 ℄ Storm drain	
47+27.3			1022	322 79		℄ storm drain
"			1023	322 78		7.0 ℄ Euclid Ave
"			1039	322 62		15.0 pvm'l
"			1035	322 66		24.0 gutter out
"			1037	322 64		26.0 " in
"			939	323 62		26.0 Top cb.
"			92	323 8		34.0 P.L.
47+45.7			940	323 61		℄ storm drain
"			958	323 43		19.0 So. rim M.H. 10.07 9.58 19.65
"			19 65	31 336	invert 6" outlet south	
"			948	323 53		19.0 No rim M.H. 9.90 9.48 19.38

Profile Notes Red. ____ Plotted ____ Job No. 622200 Division No. ____ F. B. 1986 Pg. 159
No. ____ Date ____ Date ____ Survey of Michigan Ave Proj #11
X-Sec. Notes Chkd. ____ Checked ____ Survey by N.R. Smith Notes H.E.F. Date 4-1-55
No. ____ Date ____ Date ____ Map No. ____ Date ____

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STATION	B. S.	H. I.	F. S.	ELEV.	Left	℄ Right
47+45.7		333 01	19 38	3[illegible]63	Invert 6" in et North	
47+57.12 back						
=47+56.28 ahead			9 16	32[illegible]85		℄ P.I. stormdrain
47+76.7			8 79	32[illegible]22		℄ stormdrain
"			8 79	32[illegible]22		7.0 ℄ Euclid Ave
"			8 94	32[illegible]07		18.0 pvmt
"			9 03	32[illegible]98		27.0 gutter out
"			9 05	32[illegible]96		29.0 " in
"			8 15	32[illegible]86		29.0 Top cb.
"			7 8	325 2		34.0 P.L.
47+77.1			8 68	32[illegible]33	9.1 gutter out	
"			8 80	32[illegible]21	11.1 " in	
"			8 21	32[illegible]80	11.1 Top cb	
"			7 9	325[illegible]	26.0 P.L.	
48+00			7 63	32[illegible]38		℄ stormdrain
"			7 67	325 34		7.0 ℄ Euclid
"			7 78	32[illegible]3		18.0 pvmt
"			7 90	32[illegible]		27.0 gutter out
"			7 91	32[illegible]		29.0 " in
"			6 97	32[illegible]04		29.0 Top cb.
"			6 7	32[illegible]3		34.0 P.L.
"			7 56	32[illegible]45	9.0 gutter out	

F. B. 1986 Pg. 160
Job No. 622200 Division No. Notes Red. Plotted
Survey of Michigan Ave Proj #17 Date 4-1-55 Date No.
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Indexed C. Johnson Date Date Date No.
Profile

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STATION	B. S.	H. I.	F. S.	ELEV.	Left	℄ Right
48+00		333 01	769	32532	11.0 gutter in	
"			707	32594	11.0 Top cb	
"			67	3263	26.0 P.L.	
48+34.2			655	32646		℄ stormdrain
"			659	32642		7.0 ℄ Euclid
"			670	32631		18.0 pvmt.
"			677	32624		27.0 gutter out
"			677	32624		29.0 " in
"			585	32716		29.0 Top cb.
"			57	3273		34.0 P.L.
"			645	32656	9.0 gutter out	
"			659	32642	11.0 in	
"			593	32708	11.0 Top cb	
"			55	3275	26.0 P.L.	
48+61.9			567	32734		℄ stormdrain
"			581	32720		22.5 So. Rim M.H. 7.55 / 581 / 13.36
"			1336	31965	invert 6" outlet south	
"			573	32728		22.5 No. Rim M.H. 7.35 / 573 / 1308
"			1308	31993	invert 6" inlet North (plugged)	
48+74.06			533	32768	℄ Intc stormdrain	℄ ℄ Sunrise Dr.
			527	32774		7.0 ℄ Euclid & Sunrise

Profile Notes Red. ____ Plotted ____ Job No. 6222.00 Division No. ____ F. B. 1986 Pg. 161
No. ____ Date ____ Date ____ Survey of Michigan Ave Proj #17
X-Sec. Notes Chkd. ____ Checked ____ Survey by N.R. Smith Notes H.E.F. Date 4-1-55
No. ____ Date ____ Date ____ Map No. ____ Indexed by S. Johnson Date ____

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STATION	B. S.	H. I.	F. S.	ELEV.	Left	℄ Right
48+74.06		333 01	524	32777		18.0 pvmt
"			535	32[illegible]66		27.0 gutter out
"			541	32[illegible]60		29.0 " in
"			446	32[illegible]55		29.0 Top cb.
"			44	328[illegible]		34.0 P.L.
T.P.	748	33442	607	32694	T.P.B.M.W.Z.-121 Elev = 326.942	
48+98.5			599	32843		℄ Euclid Drive
"			596	32846		7.0 ℄ Euclid Dr.
"			593	32[illegible]49		18.0 pvmt
"			589	32853		27.0 gutter out
"			596	32846		29.0 " in
"			497	329[illegible]5		29.0 Top cb
"			50	32[illegible]		34.0 P.L.
49+14.0			558	32[illegible]4		℄ Euclid Dr.
"			579	32[illegible]	9.0 gutter out	
"			585	32857	11.0 " in	
"			524	32[illegible]8	11.0 Top cb	
"			49	32[illegible]	26.0 P.L.	
49+19.0			543	32[illegible]9		℄ Euclid Ave
"			538	329[illegible]4		7.5 S.W.M.H.Rim 4.60 538
"			998	32444	Invert 8" outlet S.W.	9.98

F. B. 1986 Pg. 162 Job No. 6222.00 Division No. Notes Red. Plotted Profile
Survey of Michigan Ave Proj #17 Date 4-1-55 Date No.
Survey by N.R. Smith Notes H.E. Frank Notes Chkd. Checked X-Sec.
Indexed K. C. Johnson Date Date No.

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STATION	B. S.	H. I.	F. S.	ELEV.	Left	℄ Right
49+19.0		33442	534	32908		7.5 N. MH. Rim 4.30 534 9.64
"			964	32478	Invert 6" inlet North	
49+24.0			527	32915		℄ Euclid Ave
"			547	32895	9.0 gutter out	
"			559	32883	11.0 " in	
"			497	32945	11.0 Top cb.	
"			47	3297	26.0 P.L.	
49+64.0			435	33007		℄ Euclid Ave.
			438	33004	9.0 gutter out	
"			452	32990	11.0 " "	
"			391	33051	11.0 Top cb.	
"			36	3308	26.0 P.L.	
48+58.7			714	32728		on sunrise. cross ℄ stormdrain gutter
48+84.0	on Sunrise Dr		625	32817		℄ stormdrain
"			598	32844		7.0 ℄ Sunrise Dr
"			563	32879		19.3 gutter out
"			572	32870		22.0 " in
"			519	32923		22.0 Top cb
"			41	3303		32.0 P.L.
"			652	32790	53 gutter out	
"			666	32776	82 " in	

Profile No. ____ Notes Red. ____ Plotted ____ Job No. 622200 Division No. ____ F. B. 1986 Pg. 163
X-Sec. No. ____ Date ____ Date ____ Survey of Michigan Ave Proj #17
Notes Chkd. ____ Checked ____ Survey by N.R. Smith Notes HEE Date 4-1-55
Date ____ Date ____ Map No. ____ Indexed Johnson Date ____

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STATION	B. S.	H. I.	F. S.	ELEV.	Left	℄ Right
48+84.0		33442	621	32821	8.2 Top cb.	
"			616	32826	12.8 back walk	
"			60	3284	18.0 P.L.	
49+00			581	32861		℄ stormdrain
"			550	32892		7.0 ℄ Sunrise Dr
"			517	32925		19.3 gutter out
"			524	32918		21.3 " in
"			483	32959		22.8 top cb = Front walk
"			475	32967		26.8 back of walk
"			39	33[illegible]5		32.0. P.L.
"			612	32830	5.3 gutter out	
"			623	32819	7.3 " in	
"			577	32865	8.8 Top cb = Front walk	
"			574	32868	12.8 back of walk	
"			56	32[illegible]8	18.0 P.L.	
49+49.5			453	32989		℄ stormdrain
"			415	33027		7.0 ℄ Sunrise Dr.
"			389	33[illegible]3		19.3 gutter out
"			400	33[illegible]2		21.3 " in
"			359	33[illegible]3		22.8 top cb
"			351	33[illegible]1		26.8 back of walk

F. B. 1986 Pg. 164 Job No. 6222.00 Division No. Notes Red. Plotted Profile
Survey of Michigan Ave Proj #17 Date 4-1-55 Date No.
Survey by N.R. Smith Notes H.E. Frank Notes Chkd. Checked X-Sec.
Indexed C. Johnson Date Date Date No.

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STATION	B. S.	H. I.	F. S.	ELEV.	Left ℄	Right
49+99.5		33442	29	3315		32.0 back of walk
"			493	32949	5.3 gutter out	
"			502	32940	7.3 " in	
"			461	32981	8.8 top c&b front walk	
"			453	32989	12.8 back walk	
"			43	3301	18.0 P.L.	
49+65.8			413	33029		℄ storm drain
"			454	32988	6.4 E. rim M.H. 7.73 / 4.54 / 12.27	
"			1227	32215		invert 8" inlet East
"			454	32988	6.4 E. rim M.H. 5.20 / 4.54 / 9.74	
"			974	32468		invert 8" drop inlet East
"			451	32991	6.4 W. rim M.H. 8.08 / 4.51 / 12.59	
			1259	32183		invert 8" outlet west
50+00			301	33141		℄ storm drain
"						
"			271	33171		12.8 gutter out
"			280	33161		14.8 " in
"			236	33206		16.2 top c&b
"			228	33214		20.2 back of walk
"			16	3328		26.0 P.L.
"			373	33069	11.9 gutter out	

Profile No. ____ Notes Red. ____ Plotted ____ Job No. 622200 Division No. ____ F. B. 1986 Pg. 165
X-Sec. No. ____ Notes Date ____ Chkd. ____ Date ____ Checked ____ Date ____ Survey of Michigan Ave Tract 17 Survey by N.R. Smith Notes H.E.E. Date 4-1-55 Map No. ____ Made C. Johnson Date ____

76L298 307 8-53

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726 LOS ANGELES COUNTY ENGINEERING BLDG.

NOTE: ANY ADDITIONS OR CHANGES ON THIS SHEET MUST BE MADE OR CIRCLED IN RED INK, WITH DATE AND NAME OF PERSON MAKING CHANGE.

Do not extend notes this side of this line.

STATION	B. S.	H. I.	F. S.	ELEV.	Left	℄ Right
50+00		33442	383	33059	12.9 gutter in	
"			342	33100	15.3 top cb	
"			337	33105	19.4 back of walk	
"			32	33[illegible]2	24.0 P.L.	
50+07.43 And = 50+08.24 back			273	33169		P.I.
T.P.	645	33814	273	33169	T.P. on P.I.	
50+66.2			627	33187		℄ storm Drain
"			581	33233		7.0 ℄ street
"			564	33250		19.3 gutter out
"			570	332[illegible]4		21.3 " in
"			530	33284		22.8 top cb.
"			522	33[illegible]92		26.8 back of walk
"			44	3337		32.0 P.L.
"			664	33150	5.3 gutter out	
"			671	331[illegible]3	7.3 " in	
"			633	33181	8.8 top cb. Front walk	
"			628	331[illegible]6	12.8 Back walk	
"			61	33[illegible]	18.0 P.L.	
51+00			613	33[illegible]1		℄ storm drain (prod)
"			570	332[illegible]4		7.0 ℄ street
"			544	33270		19.3 gutter out

F. B. 1986 Pg. 166 Job No. 6222.00 Division No. Notes Red. Plotted No. Profile
Survey of Michigan Ave Proj #17 Date 4-1-55 Date X-Sec.
Survey by N.R. Smith Notes H.E. Frank Notes Chkd. Checked No.
Indexed C. Johnson Date Date Date

76L298 307 8-53

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STATION	B. S.	H. I.	F. S.	ELEV.	Left	℄ Right
51+00		338 14	555	33259		21.3 gutter in
"			514	33300		22.8 top cb. Front walk
"			501	33313		26.8 back of walk
"			42	3339		32.0 P.L.
"			648	33166	5.3 gutter out	
"			652	33162	7.3 " in	
"			616	33198	8.8 top cb Front walk	
"			612	33202	12.8 back walk	
"			59	3322	18.0 P.L.	
51+28.97	Back					
51+09.66	Ahead	P.I.	593	33221		℄ P.I. of Drain
51+59.9			567	33247		℄ storm drain (prod)
"			533	33281		7.0 ℄ street
"			513	33301		19.3 gutter out
"			524	33290		21.3 " in
"			481	33333		22.8 top cb. Front walk
"			474	33340		26.8 back walk
"			38	3343		32.0 P.L.
"			608	33206	5.3 gutter out	
"			619	33195	7.3 " in	
"			577	33237	8.8 top cb. Front walk	
"			568	33246	12.8 back walk	

Profile Notes Red. ____ Plotted ____ Job No. 6222.00 Division No. ____ F. B. 1986 Pg. 167
No. ____ Date ____ Date ____ Survey of Michigan Ave Proj #17
X-Sec. Notes Chkd. ____ Checked ____ Survey by NR Smith Notes H.E.F. Date 4-4-55
No. ____ Date ____ Date ____ Map No. ____ Indexed Johnson Date ____

DSL298 307 8-53

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STATION	B. S.	H. I.	F. S.	ELEV.	Left	℄ Right
51+59.9		338 14	57	332 4	18.0 P.L.	
51+80.3			511	333 03		℄ Sunrise Dr
51+80.3			594	332 20	33.2 E. side walk (McGee Lane)	
51+84.3			600	332 14	" Top cb	
51+85.8			642	331 72	" gutter in	
51+87.8			634	331 80	" " out	
52+00			509	333 05		℄ Sunrise Dr
"			496	333 18		19 3 gutter out
"			506	333 08		21 3 " in
"			467	333 47		22.8 top cb
"			458	333 56		26 8 back of walk
"			35	334 6		32 0 P.L.
"			614	332 00	33.2 ℄ McGee Lane	
52+00.20			510	333 04	Intc McGee Lane & Sunrise Dr W. M.H. rim	11.86 / 5.10 / 16.96
"			1696	32 18	invert 6" inlet west	
"			508	333 06	Intc. McGee Lane & Sunrise Dr E. M.H. Rim	12.05 / 5.08 / 17.13
"			17 13	321 01	invert 8" inlet East	
"			509	333 05	Intc McGee Lane & Sunrise Dr S. M.H. Rim	12.15 / 5.09 / 17.24
"			1724	320 90	invert 8" outlet south	
52+12 4			488	333 26		℄ Sunrise Dr
"			632	33 82	33.2 gutter out	

F. B. 1986 Pg. 168 Job No. 622200 Division No. Notes Red. Plotted No. Profile
Survey of Michigan Ave Proj #17 Date 4-4-55 Date X-Sec.
Survey by N.R. Smith Notes H.E. Frank Notes Chkd. Checked No.
Indexed R. C. Johnson Date Date

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STATION	B. S.	H. I.	F. S.	ELEV.	Left	℄ Right
52+14.4		338 14	637	33177	33.2 gutter in	
52+15.9			598	33216	32.2 Top cb	
52+19.9			589	33225	32.2 W. side of walk.	
52+26.0			58	3323	32.2 P.L.	
"			486	33328		19.3 gutter out
"			497	33317		21.3 " in
"			459	33355		22.8 Top cb.
"			451	33363		26.8 back of walk
"			35	3346		32.0 P.L.
B.M.KW-122	594	339 14	494	333 ~~18~~ 20	B.M. KW-122 Elev. = 333.203 F.B. 1925-33	
					Sunrise Dr. (N. side) 250± W. of Euclid Ave.	
					Bt. spk in walk.	
51+09.66	= P.I.		691	33223		P.I. storm drain
51+36.2			585	33329		℄ S. drain Back of walk
"			589	33325		7.5 ground " " "
"			581	33333	7.5 Back of walk	
51+58.0			33	3358		℄ storm drain
"			33	3358		7.5 ground top brk
"			32	3359		17.5 " " "
"			33	3358	7.5 ground top brk	
"			32	3359	17.5 " "	

Profile Notes Red. ____ Plotted ____ Job No. 6222.00 Division No. ____ F. B. 1986 Pg. 169
No. ____ Date ____ Date ____ Survey of Michigan Ave Proj #11
X-Sec. Notes Chkd. ____ Checked ____ Survey by N.R. Smith Notes H.E.F. Date 4-4-55
No. ____ Date ____ Date ____ Map No. ____ Indexed ____ Date ____

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STATION	B. S.	H. I.	F. S.	ELEV.	Left	℄ Right
51+62.2		339 14	33	3358		℄ drain
"			26	3365		12.4 = S.W cor. of House
51+90.5			22	33[illegible]		℄ storm drain
"			24	3[illegible]		12.4 = N W cor. of House
"			23	3368		33.0 N. edge of House
52+00			18	33[illegible]		℄ storm drain
"			21	33[illegible]		7.5 ground
"			20	33[illegible]		17.0 "
"			20	33[illegible]	7.5 ground	
"			19	33[illegible]	17.5	
"			196	33[illegible]18		16.4 ctr of conc. slab slab is level
T.P.	7 00	34 590	024	33890	T.P. approx 52+36	1x2 stk & nail
52+76.64			53	34[illegible]		℄ Storm drain
53+00			46	34[illegible]		10.0 ground
"			52	34[illegible]		30.0
"			47	3412	10.0	
"			46	34[illegible]	30.0	
T.P.	5 07	349 30	167	34423	T.P. 1x2 stk & nail	
54+00			48	3445		℄ storm drain
"			49	344[illegible]		10.0 ground
"			55	3438		30.0 "

F. B. 1986 Pg. 170 Job No. 622200 Division No. Notes Red. Plotted No. Profile
Survey of Michigan Ave Proj #17 Date 4-4-55 Date X-Sec.
Survey by N.B. Smith Notes H.E. Frank Notes Chkd. Checked
Indexed C. Johnson Date Date No.

76L298 307 8-53

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Do not extend notes this side of this line.

STATION	B. S.	H. I.	F. S.	ELEV.	Left Transit Line Right
54+00		34930	61	3432	50.0 ground
"			48	3445	10.0 ground
"			46	3447	30.0 "
"			48	3445	50.0 "
T.P.	601	35205	326	34604	T.P. Top of valve (screw) 4" steel Irrig. Line
54+40.53			64	3457	T.L.
55+00			51	3470	T.L. ground
"			55	3466	10.0 ground
"			56	3465	30.0 "
"			63	3458	50.0 "
"			48	3473	10.0 ground
"			44	3477	30.0 "
55+69.92			39	3482	T.L.
"			40	3481	10.0 ground
"			41	3480	17.6 ground Fence line
"			38	3483	10.0 ground
"			34	3487	30.0 "
55+88			37	3484	T.L. Break
55+91.5			213	34992	T.L. So. Edge conc slab
55+84.0			215	34990	15.0 So. " " "
55+97.5			21	3500	T.L.

Profile Notes Red. ____ Plotted ____ Job No. 622200 Division No. ____ F.B. 1986 Pg. 171
No. ____ Date ____ Date ____ Survey of Michigan Ave Proj #17
X-Sec. Notes Chkd. ____ Checked ____ Survey by N.R. Smith Notes H.E.F. Date 4-5-55
No. ____ Date ____ Date ____ Map No. ____ Indexed Johnson Date ____

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STATION	B. S.	H. I.	F. S.	ELEV.	Left Transit Line	Right
55+97.5		352 05	19	35[illegible]2	11.5 So. E Corner of Garage	
56+00			21	3500	T.L.	
"			200	35[illegible]5		10.0 conc. slab
"			21	35[illegible]	10.0 (dirt)	
56+07.8			193	35[illegible]12		19.9 N.E Cor of conc slab
56+10.2			192	35013		3.7 N.W. Cor of "
T.P.	765	357 55	215	34[illegible]90	T.P.	
56+10.5			74	3502	T.L.	
"			757	34[illegible]98	Bottom of Catch Basin	14.7 Top of side wall
"			245	33[illegible]1	full of Debre Dirt or	14.7 invert of 34"
"					conc.? can't get to it to	conc. pipe
"			162	34[illegible]4	clean it out - Bottom of	14.7 invert of 32"
56+15.7					Basin same as invert	conc. Pipe
"			71	35[illegible]	of 34" pipe.	T.L.
"			707	35[illegible]8	2.5 N.E Cor of Garage	
T.P.	505	358 23	437	35[illegible]18	T.P. BMKW-123 Elev = 353.202	
56+70.0			645	35[illegible]98		T.L. conc. drive
"			66	35[illegible]		10.0 dirt
"			233	334 9		20.0 Bottom of Drain
"			723	35[illegible]00		23.6 Top of wall Catch Basin
"			233	334[illegible]		" Bottom of Drain

F. B. 1986 Pg. 72 Job No. 6222.00 Division No. Notes Red. Plotted Profile
Survey of Michigan Ave Proj #17 Date 4-5-55 Date No.
Survey by N.R. Smith Notes H.E. Frank Notes Chkd. Checked X-Sec.
Indexed K. C. Johnson Date Date No.

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STATION	B. S.	H. I.	F. S.	ELEV.	Left Transit Line	Right
56+70.0		358 23	6.3	3519	10.0 dirt	
56+71.5			63	3519	20.0 "	
"			723	35100		14.5 Top of wall catch Basin
"			233	3349		14.5 Bottom of catch Basin
56+89.4			553	35270		TL.
"			552	35251		2.9 Back of walk
56+94.5			517	35306	7.4 Back of walk	
56+93.0			566	35257		4.9 Front of walk
57+00			520	35303	9.2 Front of walk	
57+19.00 = 1+00 west			508	35315		℄ Transit Line Intc. Sunset Drive
0+88.0 on sunset			612	35211	15.0 gutter on south	
"			569	35254	15.0 Top cb	
0+92.4			527	35296		℄ sunset Dr. E. edge pvmt
0+97.2			510	35313		15.0 gutter on North
"			444	35379		15.0 Top cb
1+10			484	35339		℄ sunset Drive
			476	35347		7.5 pvmt
"			416	35407		15.0 Top cb
"			486	35337		15.0 gutter
"			34	3548		25.0 P.L.
"			514	35309	7.5 pvmt	
			509	35314	15.0 Top cb	
"			558	35265	15.0 gutter	

Profile Notes Red. ____ Plotted ____ Job No. 6222.00 Division No. ____ F. B. 1986 Pg. 173
No. ____ Date ____ Date ____ Survey of Michigan Ave Proj #17
X-Sec. Notes Chkd. ____ Checked ____ Survey by N.R. Smith Notes H.E.F. Date 4-6-55
No. ____ Date ____ Date ____ Map No. ____ Indexed ____ Date ____

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STATION	B. S.	H. I.	F. S.	ELEV.	Left	℄ Right
1+10		358 23	50	353 2	25.0 P.L.	
1+16.7			466	353 57		℄ Sunset Drive
"			499	353 24	18.2 E. M.H. Rim 6.80 4.99 11.79	
"			11 79	346 44	Invert 6" Inlet East (Plugged)	
"			500	353 23	18.2 W. M.H. Rim 6.77 5.00 11.77	
"			11 77	346 46	Invert 6" outlet west	
1+50.0			409	354 14		℄ Sunset Drive
"			402	354 21		7.5 Pvmt
"			338	354 85		15.0 Top cb.
"			409	354 14		15.0 gutter
"			27	355 5		25.0 P.L.
"			446	353 77	7.5 Pvmt	
"			439	353 84	15.0 Top cb.	
"			490	353 33	15.0 gutter	
"			47	353 5	25.0 P.L.	
2+00			377	354 46		℄ Sunset Drive
"			368	354 55		7.5 Pvmt
"			305	355 18		15.0 Top cb
"			373	354 [illegible]		15.0 gutter
"			25	355 7		25.0 P.L.
"			414	354 09	7.5 Pvmt	
"			408	354 15	15.0 Top cb	
"			455	353 68	15.0 gutter	
"			43	355 1	25.0 P.L.	
2+50			417	354 06		℄ Sunset Drive

F. B. 1986 PG. 174 Job No. 622200 Division No. Notes Red. Plotted No. Profile
Survey of Michigan Ave Proj #17 Date 4-6-55 Date X-Sec.
Survey by N.R. Smith Notes H.E. Frank Notes Chkd. Checked
Indexed [illegible] C. Johnson Date Date No.

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STATION	B. S.	H. I.	F. S.	ELEV.	Left	℄ Right
2+50		358 23	410	354 13		7.5 pvmt
"			346	354 77		15.0 Top cb
"			416	354 07		15.0 gutter
"			30	355 2		25.0 P.L.
"			452	353 71	7.5 pvmt	
"			446	353 77	15.0 top cb	
"			496	353 27	15.0 gutter	
"			46	353 6	25.0 P.L.	
B.M. WZ-123	326	356 44	505	353 18	B.M. WZ-123 Elev. = 353.202 F.B. 1925-234	
					Sunset Drive & Michigan Ave Drain	
					Bt. spk in So. curb 16'± E. of W. P.L. of House # 835	
57+26.8			35	352 9		℄ Sunset Dr End of st.
57+40			40	352 4		" " " Brk
57+47			66	349 8		" " " "
57+49			80	348 4		" " " ctr ditch
57+55			90	347 4	34.5 ctr. ditch dirt	
57+55			938	347 06	35.0 Top Head wall concrete	
57+575			49	351 5		" Sunset Dr. top brk
57+60.15	⊻ Pt.		49	351 5		" Sunset Dr.
"			49	351 5		" 2.8' line Ahd = Fence

Profile Notes Red. ____ Plotted ____ Job No. 6222.00 Division No. ____ F. B. 1986 Pg. 175
No. ____ Date ____ Date ____ Survey of Michigan Ave Proj #17
X-Sec. Notes Chkd. ____ Checked ____ Survey by NR Smith Notes H.E.E. Date 4-7-55
No. ____ Date ____ Date ____ Map No. ____ Indexed Johnson Date ____

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Do not extend notes this side of this line.

STATION	B. S.	H. I.	F. S.	ELEV.	Left	Transit Line	Right
57+92		356 44	52	3512		T.L.	top E. bank of ditch
58+00			65	34[illegible]		T.L.	E. side " " "
"			50	35[illegible]4			2.0 top E. bank
"			41	3523			10.3 Fence line
"			88	3476	3.0 bottom 4' ditch		
"			48	35[illegible]	7.0 Top W. bank of ditch		
"			19	35[illegible]	19.0 Top		
58+15			86	34[illegible]		T.L.	℄ ditch
"			63	3501			2.0 E. bank ditch
"			41	3523			11.6 Top & Fence
"			50	3514	50 W. bank		
"			14	3550	19.0		
T.P.	964	358 95	713	34[illegible]1	T.P. 1X2 stk.		
59+00			55	3535		T.L.	
"			53	3537			6.0 Fence line
"			57	3533	2.0 E. bank of ditch		
"			96	3474	6.5 ctr 3' bottom ditch		
"			60	35[illegible]0	10.0 Top W. bank of ditch		
"			57	3533	29.0 brk		
"			20	3570	33.5 Top		
59+33.54	⊥PT.		36	355[illegible]		T.L.	

F. B. 1986 PG. 176 Job No. 622200 Division No. Notes Red. Plotted No. Profile
Survey of Michigan Ave Proj #17 Date 4-8-55 Date X-Sec.
Survey by N.R. Smith Notes H.E. Frank Notes Chkd. Checked
Indexed C. Johnson Date Date No.

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STATION	B. S.	H. I.	F. S.	ELEV.	Left	Transit Line	Right
59+55		358 95	49	353 1	using East Transit Line		T.L. E. bank of ditch
59+61			90	350 0			T.L. Bottom 3' ditch
"			39	355 1			13.0 Top Fence Line
59+65			50	354 0			T.L. W. bank of ditch
"			42	354 8	15.0 brk		
"			+10	360 0	25.0 Top		
					(using West Transit line)		
60+00			37	355 3			T.L.
"			10	358 0			5.0 Top Fence line
"			42	354 8	4.5 E. bank of ditch		
"			67	352 3	6.5 ctr of 3' bottom ditch		
"			43	354 7	10.0 W bank of ditch		
"			36	355 4	29.0 brk		
"			+20	361 0	35.0 Top		
60+22.94	⊻ pt.		61	352 9			T.L. = Bottom of 4' ditch
"			34	355 6			5.0 E. bank of ditch
"			10	358 0			9.3 Top = Fence
"			33	355 7	3.0 W. bank of ditch		
T.P.	971	362 95	571	353 24	T.P. 1x2 stk Bottom of ditch		
60+75			58	356 2			T.L.
"			55	356 5			5.5 Fence line

Profile No. ____ Notes Red. ____ Plotted ____ Job No. 6222.00 Division No. ____ F.B. 1986 Pg. 177
X-Sec. No. ____ Date ____ Date ____ Survey of Michigan Ave Proj #17
Notes Chkd. ____ Checked ____ Survey by N.R. Smith Notes H.E.E. Date 4-8-55
Date ____ Date ____ Map No. ____ Date ____

76L298 307 8-53

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F. B. 1986 Pg. 178 Job No. 622200 Division No. Notes Red. Plotted Profile No.
Survey of Michigan Ave Proj #17 Date 4-11-55 Date X-Sec. No.
Survey by N.R. Smith Notes H.E. Frank Notes Chkd. Checked
Indexed K. C. Johnson Date Date Date

STATION	B. S.	H. I.	F. S.	ELEV.	Left	Transit Line	Right
60+75		362 95	61	3569	6.5 Top E. bank ditch		
"			93	3537	6.5 bottom ditch		
"			92	3538	10.5 " "		
"			60	3570	12.0 top w bank ditch		
60+81.5			0 60	36235	Top of 15" steel water line		
61+22.89 Back = 62+00.47			51	3579		TL	
"			49	3581			1.3 Fence line
"			53	3577	2.5 Top E. bank of ditch		
"			77	3553	2.5 E. bottom " "		
"			78	3552	10.0 W. " " "		
"			46	3584	11.0 W. Top of ditch		
"	8 53	369 40	208	36287	T.P. 1x2" in path		
BMKW-124			510	36430	BM.KW-124 Elev. = 364.318 F.B. 1925-234		
					Walnut St. south side at Michigan Ave Drain		
					500'± E. of College Ave		
					Bt. spk in s. cb. 5'± E. of drive to ho. # 825		

76L298 307 8-53

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STATION	B. S.	H. I.	F. S.	ELEV.	Left Transit Line	Right
					See 1896 following page	
BMKW-124	510	369 42		36432	BMKW-124 Elev. 364.318 F.B. 1925-234	
					Walnut St. (s. side) at Michigan Ave Drain	
					500' E. of College Ave	
					Bt. SPK in s. cb. 5' ± E. of drive to ho. # 825	
61+22.89 Back = 62+00.47 Ahd.	= 0+00 going w. on Transit Line on Walnut					
0+30			41	3653		T.L. Top Brk E. end of walnut
0+32.8			371	36571		12.2 Top cb " "
"			440	36502		12.2 gutter "
"			28	3666		22. P.L.
0+36.1			441	36501	2.8 ℄ pvmt E. end of walnut	
1+41.1			469	36473	17.8 top cb. " " "	
"			525	36417	17.8 gutter " "	
"			46	3648	28.0. P.L.	
0+47.0			452	36490		2.7 Transit line
"			448	36494		4.8 pvmt
"			382	36560		12.3 top cb.
"			450	36492		12.3 gutter
"			29	3665		22.3 P.L.
"			489	36453	10.2 pvmt	
"			480	36462	17.7 top cb	

Profile Notes Red ____ Plotted ____ Job No. 6222.00 Division No. ____ F.B. 1986 Pg. 179
No. ____ Date ____ Date ____ Survey of Michigan Ave Proj # 17
X-Sec. Notes Chkd. ____ Checked ____ Survey by N.R. Smith Notes H.I.F.E. Date 4-11-55
No. ____ Date ____ Date ____ Map No. ____ Date ____

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STATION	B. S.	H. I.	F. S.	ELEV.	Left Transit Line	Right
0+47.0		369 42	536	36406	17.7 gutter	
"			46	3648	27.7 P.L.	
"			54	3640	50.0 W Bank of Drain	
0+56.0			67	3627	95.0 W " " "	
61+33.32 = 0+67.15			468	36474		4.8 pvmt
"			414	36528		12.2 Top cb
"			481	36461		12.2 gutter
"			36	3658		22.2 P.L.
"			472	36470	2.6 ctr pvmt	
"			513	36429	10.1 pvmt	
"			504	36438	17.6 Top cb	
"			561	36381	17.6 gutter	
"			50	3644	27.6 P.L.	
0+77			482	36460		5.2 pvmt
"			418	36524		12.6 top cb
"			488	36454		12.6 gutter
"			488	36454	2.4 ctr pvmt	
"			525	36417	9.8 pvmt	
"			515	36427	17.4 top cb	
"			571	36371	17.4 gutter	
			51	3643	27.4 P.L.	
0+94.1			556	36386	10.7 E. M.H. Rim 7.43 5.56 12.99	

F. B. 1986 PG. 180 Job No. 622200 Division No. Notes Red. Plotted No. X-Sec.
Survey of Michigan Ave Pro T#17 Date 4-11-55 Date No.
Survey by N.R. Smith Notes H.E. Frank Notes Chkd. Checked
Indexed C. Johnson Date Date Date No.

76L298 307 8-53

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STATION	B. S.	H. I.	F. S.	ELEV.	Left Transit Line	Right
0+94.1		369 42	129.9	356.43	Invert of 6" Plugged inlet East	
"			558	363.84	10.7 W. M.H. Rim 7.43 5.58 13.01	
"			13 01	356 41	Invert of 6" outlet west	
1+17.0			532	364 10		5.6 pvmt
"			464	364 78		13.1 Top cb
"			537	364 05		13.1 gutter
"			44	365 0		23.1 P.L.
"			539	364 03	1.8 ctr pvm't	
"			577	363 65	9.3 pvm't	
"			568	363 74	16.8 Top cb	
"			625	363 17	16.8 gutter	
"			55	363 9	26.8 P.L.	
2+17.0			640	363 02		6.5 pvm't
"			579	363 63		13.9 top cb
"			649	362 93		13.9 gutter
"			55	363 9		23.9 P.L.
"			645	362 97	1.0 ctr pvm't	
"			685	362 57	8.5 pvm't	
"			679	362 63	16.1 Top cb	
"			735	362 07	16.1 gutter	
"			68	362 6	26.1 P.L.	

Profile No. ____ Plotted ____ Job No. 6222.00 Division No. ____ F. B. 1986 Page 81
No. ____ Date ____ Date ____ Survey of Michigan Ave Pro T#17
X-Sec. Notes Chkd. ____ Checked ____ Survey by N.R. Smith Notes H.E.F. Date 4-11-55
No. ____ Date ____ Date ____ Map No. ____ Indexed Johnson Date ____

76L298 307 8-53

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STATION	B. S.	H. I.	F. S.	ELEV.	Left Transit Line	Right
BMKW-124		36942	510	36432	BMKW-124 Elev. 364.318 F.B. 1925-234	
					Walnut St. (s. side) at Michigan Ave	
					Drain 500'± E. of College Ave.	
					Bt. Spk in s. curb. 5'± E of Dr. to ho. # 825	
T.P.	636	37068	1083	35[illegible]85	T.P.	
T.P.	551	36536			T.P.	
62+00.47 Ahead= 61+22.89 Back			74	3580	T.L.	
"			72	3582		1.3' Fence
"			72	3582	2.5 top E. bank of ditch	
"			99	3555	2.5 E. bottom " "	
"			100	3554	9.0 W bottom " "	
"			69	3585	12.0 top W bank "	
"			47	3607	21.5 brk	
"			03	3651	27.0 Top.	
62+34.0			96	3558	T.L.	
"			94	3560		4.0 E. bottom ditch
"			68	3586		4.5 E top "
"			64	3590		8.0 Fence
"			94	3560	3.0 W. bottom ditch	
"			61	3593	3.5 " top "	
"			55	3597	9.5 brk	

F. B. 1986 Pg. 182 Job No. 6222.00 Division No. Notes Red. Plotted
Survey of Michigan Ave Proj #17 Date 4-12 55 Date
Survey by N.B. Smith Notes H.E. Frank Notes Chkd. Checked
Indexed C. Johnson Date Date Date
Profile No. X-Sec. No.

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STATION	B. S.	H. I.	F. S.	ELEV.	Left Transit Line	Right
62+34.0		36536	+20	3674	17.0 Top bank	
63+00			58	3596		T.L. E. bottom Ditch of
"			51	3603		1.0 Top E. bank Ditch
"			51	3603		8.0 Fence
"			60	3594	2.0 W. bottom ditch	
"			47	3607	4.0 W top of "	
"			43	3611	10.0 brk	
"			+34	368.8	20.0 Top.	
63 +17.2			733	35803		T.L. ctr conc. Apron
"			715	35821		4.7 E. Apron (conc)
"			329	36207		5.0 Top conc Head wall
"			715	35821	5.3 W. conc Apron	
"			314	36222	5.5 W. Top conc Head wall	
"			+37	3691	23.0 Top.	
63+21.8			329	36207		5.0 Top conc Head wall
"			314	36222	5.5 top conc Head wall	
T.P.	9 50	37174	312	36224	T.P. KW-125	
63+27.9			636	36538		2.75 E. top of Head wall
"			64	3653		5.0 Fence (dirt)
"			641	36533	2.75 W. top of Head wall	
"			56	3661	10.0 brk	

Profile Notes Red. ____ Plotted ____ Job No. 622200 Division No. ____ F. B. 1[illegible]6 Pg. 183
No. ____ Date ____ Date ____ Survey of Michigan Ave Pro[illegible]7
X-Sec. Notes Chkd. ____ Checked ____ Survey by N.R. Smith Notes H.E.F. [illegible]-55
No. ____ Date ____ Date ____ Map No. ____ Indexed [illegible] Johnson

76L298 307 8-53

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STATION	B. S.	H. I.	F. S.	ELEV.	Left	Transit Line	Right
63+27.9		37174	20	3697	24.0 Top.		
63+30.6			636	36538			2.75 E. top of Headwall
"			641	36533	2.75 W. top of Headwall		
"			1336	35838	ctr. Flow line of conc. culvert		
63+40			45	3672			T.L. bottom of brk
T.P.	1124	38291	007	37167	T.P.		
63+49			79	3750			T.L. slope
"			76	3753			6.4 Fence
"			108	3721	22.0 toe of slope		
T.P.	1023	38935	379	37912	T.P.		
63+70.3			516	38419			T.L. top S.cb 6th St.
63+89.95= 0+00 E&W			511	38424	℄ Sixth St & ℄ Transit Line Sixth Street		
0+00 going west			513	38422			10.0 brk in pvmt
"			553	38382			17.0 gutter
"			482	38453			17.0 Top N. cb.
"			45	3848			30.0 P.L.
"			543	38392	12.0 brk in pvmt		
"			589	38346	18.0 gutter		
"			526	38409	18.0 Top S. cb		

F. B. 1986 PG. 184 Job No. 6222.00 Division No. Notes Red. Plotted No. Profile
Survey of Michigan Ave Proj #17 Date 4-12-55 Date X-Sec.
Survey by N.R. Smith Notes H.E. Frank Notes Chkd. Checked No.
Indexed A. C. Johnson Date Date Date

76L298 307 8-53

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STATION	B. S.	H. I.	F. S.	ELEV.	Left	℄ Right
0+00 going west		38935	112	3781	30.0 PL.	
0+10 "			530	38405		℄ Sixth st
"			533	38402		10.0 brk in pvmt
"			573	38362		17.0 gutter
"			501	38434		17.0 top N. cb
"			51	3842		30.0 P.L.
"			568	38367	12.0 brk in pvmt	
"			608	38327	18.0 gutter	
"			544	38391	18.0 top S. cb.	
"			110	3783	30.0 P.L.	
0+50			614	38321		℄ Sixth Street
"			611	38324		10.0 brk in pvmt
"			642	38293		17.0 gutter
"			576	38359		17.0 top N. cb
"			56	3837		30.0 P.L.
"			649	38286	12.0 brk in pvmt	
"			687	38248	18.0 gutter	
"			625	38310	18.0 top S. cb	
"			134	3759	30.0 P.L.	
0+10	going East		494	38441		℄ Sixth Street
"			528	38307		12.0 brk in pvmt

Profile No. ____ Notes Red. ____ Plotted ____ Job No. 622200 Division No. ____ F. B. 11986 Pg. 185
X-Sec. No. ____ Date ____ Date ____ Survey of Michigan Ave Proj #17
Notes Chkd. ____ Checked ____ Survey by NR Smith Notes H.E.E. Date 4-12-55
Date ____ Date ____ Map No. ____ Date ____

76L298 307 8-53

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STATION	B. S.	H. I.	F. S.	ELEV.	Left	℄ Right
0+10 going East		38935	570	38365		18.0 gutter
"			506	38329		18.0 top S. cb.
"			112	37[illegible]1		30.0 P.L.
"			494	38441	10.0 brk in pvmt	
"			533	38402	17.0 gutter	
"			461	38474	17.0 top N. cb	
"			39	38[illegible]4	30.0 P.L.	
0+50			393	38[illegible]		℄ Sixth Street
"			433	385[illegible]2		12.0 brk in pvmt
"			484	38[illegible]		18.0 gutter
"			422	38513		18.0 top S. cb
"			53	38[illegible]		30.0 Brk PL
"			399	38[illegible]6	10.0 brk in pvmt	
"			459	38476	17.0 gutter	
"			373	38562	17.0 top N. cb.	
"			30	3863	30.0 P.L.	
0+76.2			316	38619		℄ Sixth Street
"			351	38[illegible]4		12.0 brk in pvmt
"			420	38515		18.0 gutter
"			365	38570		18.0 top cb End
"			37	3856		30.0 P.L.

F. B. 1986 Pg. 186 Job No. 622200 Division No. Notes Red. Plotted Profile
Survey of Michigan Ave Proj #17 Date 4-12-55 Date No.
Survey by N.R. Smith Notes H.E. Frank Notes Chkd. Checked X-Sec.
Indexed K. C. Johnson Date Date No.

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STATION	B. S.	H. I.	F. S.	ELEV.		
0+84.5		389 35	3 01	38634		℄ Sixth Street
"			3 03	38632	10.0 brk	
"			3 90	38545	17.0 gutter	
"			2 98	38637	17.0 top N. cb.	
"			1 8	387 5	30.0 P.L.	
0+92.7			2 77	386 58		℄ Sixth Street
"			2 78	38657	10.0 brk	
"			2 96	38639	17.0 gutter	
"			2 83	38652	17.0 Top N. cb	
"			1 9	387 4	30.0 P.L.	
T.P.	1 02	384 82	5 55	383 80	T.P.	
					On Transit line going North	
64+07.9			0 35	384 47		T.L. top N. cb. of Sixth St.
64+250			0 5	384 3		T.L. Top Brk. (Dirt)
64+44.65			9 45	375 37		T.L. So. ctr. top of catch Basin
64+49.65			9 59	375 23		T.L. No. ctr. top " " "
"			10 87	373 95		T.L. Flowline of Inlet Top
"			22 27	362 55		T.L. " " " of Bottom culvert
"			9 5	375 3		20.0 ground.
"			4 7	370 1	15.0 ground	

Profile Notes Red. ____ Plotted ____ Job No. 2200 Division No. ____ F.S. 1986 [illegible]
No. ____ Date ____ Date ____ Survey of Michigan Ave Proj #17
X-Sec. Notes Chkd. ____ Checked ____ Survey by N.R. Smith Notes H.E.E. Date 4-12-55
No. ____ Date ____ Date ____ Map No. ____ Indexed Johnson Date ____

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STATION	B. S.	H. I.	F. S.	ELEV.		
B.M.W.Z-		384.82	1.02	38[illegible]	B.M.W.Z-.126 Elev.=383.783 F.B.1925-235 Sixth St (s. side) 190'± E. of Franklin St. Bt. Spk in S. curb. 3' N. of P.P. ±197916 E. at Michigan Ave Drain	

F. B. 1986 PG. 188 Job No. 6222.00 Division No. Notes Red. Plotted No. Profile

Survey of Michigan Ave Post #17 Date 4-12-55 Date X-Sec.

Survey by M.R. Smith Notes H.E. Frank Notes Chkd. Checked No.

Indexed C. Johnson Date Date Date

Profile No.	Notes Red	Plotted	Job No 6222.00	Division No. 10	F. B. 1486	Pg. 189
	Date	Date	Survey of Michigan Ave. S.D.			
X-Sec. No.	Notes Chkd	Checked	Survey by Curtis	Notes ETM	Date May 56	
	Date	Date	Map No.	Indexed	Date	

JN 6222.00

MICHIGAN AVE. S.D.

INVERT ELEVATIONS

Curtis
Markey
Rodriguez
Martinez
Moore

STATION	B. S.	H. I.	F. S.	ELEV.

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761298 S & E #307 9-54

76L298 S & E #307 9-54

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STATION	B. S.	H. I.	F. S.	ELEV.			
BM. KW 102				18[illegible].23	BM KW 102 EL 183.231 FB 1925-229 Dittmar Dr. (S. side) 130' W. of Jacinar Ave Bt. Spk. in curb, 15' E of BM Mckinnon Ave. S.D.		
J.C. ±20' S. & Dittmar on ℄ prod. Common Ave							
Invert Elev. on		10" Inlet from	East	174.19	E. rim elev. 183.67' rim to inside top pipe 8.65' Pipe .83' Invert 174.19	N. rim 183.59' rim to pipe 8.54' pipe .50' 174.55	W. rim 183.67' to pipe 8.68 pipe .83 174.16
"	"	6" "	North	174.[illegible]			
"	"	10" Outlet to	West	174.16			
J.C. ± 20' S. & Dittmar on ℄ prod. Jacinar Ave.							
Invert Elev. on		6" Inlet from	East	174.73	E. rim Elev. 183.85' rim to pipe 8.62' pipe .50' Invert 174.73	N. rim 183.77' rim to pipe 8.40' pipe .50 174.80'	W. rim 183.85' rim to pipe 8.26' pipe .83' 174.66
"	"	6" "	North	174.80'			
"	"	10" Outlet to	West	174.66'			
TP				176.15'			
J.C. ± 12' S. & Dambrook Dr. on ℄ prod. of Common Ave.							
Invert Elev. on		8" Inlet from	East	164.73	E. rim Elev. 171.02' rim to pipe 5.62' pipe .67 164.73	N. rim 171.05' rim to pipe 5.50' pipe .67 164.88'	W. rim 171.02' rim to pipe 5.67' pipe .67' 164.68
"	"	8" "	North	164.88			
"	"	8" Outlet to	West	164.68			
TP				171.[illegible]2'			

F. B. 1986 Pg. 190 Job No. 62-22-PD Division No. 10 Notes Red. Plotted Profile No.
Survey of Nicholson Ave. S.D. Date Date X-Sec. No.
Survey by Curtis Notes Notes Chkd. Checked
Indexed Date Date Date

76L298 S & E #307 9-54

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STATION	B. S.	H. I.	F. S.	ELEV.			
J.C. ±12' S.E Danbrook Dr. on ℄ prod Milliken Ave.							
Invert elev on 8" inlet from East				166.11'	E rim elev 172.38' rim to pipe 5.60' pipe .67'	N rim 172.40' rim to pipe 5.58' pipe .67'	W rim 172.38' rim to pipe 5.72' pipe .67'
" " " 8" " " North				166.15'	166.11	166.15	165.99
" " " 8" outlet " West				165.99'			
BM KW 100				172.16	BM KW-100 EL 172.176 FB 1925-228 Danbrook Dr. (S. side) at Michigan Ave. SD. Bt. Spk. in curb 3' E. ℄ culvert		
Invert Elevs of J.C. at ℄ Int's Chesnut ST. & Jacmar Ave.							
BM KW 105				206.21	BM KW #105 Elev. 206.214 FB. 1925-229 Jacmar ave. (W side), 135' ± N. of Putnam ST. Bt. spk in Curb 5' S. of SPL. of Ho # 1229.		
Inlet Elev. 6" inlet from East				200.48	E. rim Elev 208.66 Rim to pipe 7.68 6" dia pipe 0.50	S. rim Elev 208.65 rim to pipe 7.79 8" dia pipe 0.67	N. rim Elev. 208.65 rim to pipe 7.79 8" dia pipe 0.67
Inlet Elev. 8" inlet from South				200.19			
Outlet Elev 8" outlet from North				200.19	Invert El. 200.48	Invert El. 200.19	Invert El. 200.19
T.P.				208.65	T.P.		
BM KW 105				206.21	BM # KW 105		

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Do not extend notes this side of this line.

STATION	B. S.	H. I.	F. S.	ELEV.		
Invert Elevs. of J.C. ± [illegible] S & ± 4.5 E of ℄ Ints. of Chestnut ST. & Michigan Ave.						
BM# KW105				20[illegible].21	BM# KW105 Elev. 206.214 F.B. 1925-229 Jacmar Ave. (W. Side), 135± No. of Putnam ST. - Bt. spk in Curb, 5' S. of S.P.L. of Ho. # 1229.	
T.P.				206.12		
Invert El. of 6" Inlet from East				198.45	Elev. East rim 208.30 rim to inside top pipe 9.35 dia 6" pipe 0.50	Elev. So. rim 208.30 Rim to pipe 9.14 dia 8" pipe 0.67
✓ El. of 8" Inlet from South				198.49		
✓ El. of 6" Inlet from North				198.50	Invert Elev. 198.45	Invert Elev. 198.49
✓ El. of 8" Outlet to West				198.42		
T.P.				208.30	Elev No. rim 208.30 Rim to pipe 9.30 dia. 6" pipe 0.50	Elev. W. rim 208.30 Rim to pipe 9.21 dia. 8" pipe 0.67
					Invert. Elev. 198.50	Invert. Elev. 198.42
BM# KW105				206.21	BM# KW105	

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Survey by Curtis Notes Curtis Notes Chkd. Checked
Indexed Date Date Date No.

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STATION	B. B.	H. I.	F. B.	ELEV.		
(Calling Calmada ST as North & South)						
Inverts of J.C. ± 10' So. & ± 10' E of ℄ Int's of Mystic ST and Calmada ST.						
BM # KW 95				143.04	BM # KW 95 Elev 143.036 FB 1925-226 Calmada ave (W. side) 250' ± No. of Mystic ST - BT Spk in Curb 2' S of N.P.L. of House # 9727	
Note - These Lines are running fast and Full - Did our best						
Invert Elev of 8" Inlet from South				128.06	Elev top South rim 140.79	Elev top East rim 140.81
✓ ✓ of 27" 30" outlet ✓ to East				126.87	Rim to top inside pipe 12.06	Rim to pipe 11.69
					dia 8" pipe 0.67	dia 27" pipe 2.25
✓ ✓ of ± 16" ✓ ✓ North				127.61	Invert Elev. 128.06	Invert Elev 126.87
✓ ✓ of ± 27" inlet from outlet to West				126.56		
?					Elev top No. rim 140.83	Elev top West rim 140.82
					rim to pipe 11.89	rim to pipe 12.01
					dia 16" pipe 1.33	dia 27" pipe 2.25
					Invert Elev 127.61	Invert Elev 126.56
T.P.				141.22	T.P.	
T.P.				142.07	TP	

(Cont on pg 194)

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Do not [illegible] line.

STATION	B. S.	H. I.	F. S.	ELEV.		
T.P.				142.07	T.P.	
Invert M.H. on Calmada ST South of Mystic ST and 1ST M.H. East of the Michigan ave S.D. Crossing						
					(inlet)	(outlet)
Invert 8" inlet from West				128.89	West rim M.H. 142.45	East rim M.H. 142.45
Invert 8" outlet to East				128.86	rim to pipe 12.89	rim to pipe 12.92
					8" dia pipe 0.67	8" dia pipe 0.67
					Invert Elev 128.89	Invert Elev 128.86
T.P.		141.62		139.52	T.P.	
T.P.				139.69	TP	
T.P.				140.31	T.P. M.H. rim @ Acapulco Dr. & Barker Ville ave	
Invert M.H. on Barkersville ave ±400' No of Acapulco Dr ±10' E.E ST & on No. P/L Prod. of House # 9620						
Invert 27" Inlet from West				127.11	Elev. West rim MH 141.62	Elev East rim MH 141.62
Invert 27" outlet to East				127.01	rim to pipe 12.26	12.36
					27" dia pipe 2.25	2.25
					Invert El. 127.11	Invert El. 127.01
T.P.				141.62	T.P.	
BM #KW 95				143.05	BM #KW 95 El. 143.036 pg. 193	

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