

SURVEY 4-940516-4-0517

11-28-1999

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Reg. to: ENGER SURVEYING & ENGINEERING CO.

File Name: F:\33\889\33T\33-889.DAT

Job: SECTION 1 W.O. T2N R2E
SECTION 36 LEROY T2N R2E
INGHAM CO MI BKS W03 & LE2

By: DLC 9 APRIL 99

Point	Direction	Distance	Northing	Easting	Elevation
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List

1	W03-18 RP SET 1/2" BAR		95210.1658	78898.1024	
2	W03-18 FD 1/2" BAR		94855.8295	78818.6264	
3	W03-18 FD 1/2" BAR K-3		94880.3729	78026.0163	
4	W03-18 FD 1/2" BAR L-3		94802.8750	80701.1786	
5	W03-19 RP SET 1/2" B&C		94780.2382	81502.2159	
6	W03-20 M-3 FD MON		94646.1081	83368.9703	
7	W03-21 RP SET 8" SPK		97614.0984	83232.6684	
8	W03-22 A-2 IOSCO TWP FD 1/2"		97194.6656	83254.4906	
9	W03-22 RP SET MAG NAIL		100804.4480	83090.0117	
10	W03-23 RP SET MAG NAIL		100835.4351	79160.2789	
11	W03-23 M-1 WO FD 1/2" PIPE		100785.3128	83087.9130	
12	W03-23 M-12? LEROY FD 1/2"BC		103413.4875	82916.5521	
13	LE2-03 M11 FD BUGGY AXLA		106053.6462	82837.2292	
14	LE2-03 A-12 HANDY? FD 1/2"BC		103372.4072	82919.2678	
15	LE2-04 L-11 FD 3/4" B&C		106156.9779	80193.4014	
16	LE2-04 A-11 BHANDY? FD 1/2"B		105963.9774	82847.3666	
17	LE2-05 RP SET 1/2" B&C		103542.0338	78968.6789	
18	LE2-05 K-11 LEROY RR RAIL		106227.0123	77547.1280	
19	LE2-06 RP SET 1/2" B&C		100898.0824	77807.1562	
20	LE2-06 L-12 FD 1/2" B&C		103522.0582	80293.5883	
21	LE2-06 1/8 COR FD 1-1/4" PIP		103584.9630	76356.2116	
22	LE2-06 POSS. K-2		103562.2711	77672.1777	
23	LE2-08 K-1WO? MAG NAIL		100879.6981	77855.5947	
24	LE2-08 K-13 CONC MON		100880.8523	77806.5718	
25	W03-24 RP SET 1/2" B&C		100815.7063	80437.0765	
26	W03-24 RP SET 1/2" B&C		99496.1646	79210.0553	
27	W03-25 L-13 LEROY FD MON		100832.4900	80437.8167	
28	W03-25 L-1 WO? PK		100832.2810	80469.7532	
29	W03-26 RP SET 1/2" B&C		98649.1980	79249.2559	
30	W03-27 RP SET 1/2" B&C		98018.8961	79112.3404	
31	W03-28 RP SET 1/2" B&C		96991.4183	79154.0480	
32	W03-28 K-2 FD 1/2" BAR		97538.7237	77951.6957	

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Job: SECTION 1 W.O. T2N R2E

SECTION 36 LEROY T2N R2E

INGHAM CO MI BKS W03 & LE2

By: DLC 9 APRIL 99

Point	Direction	Distance	Northing	Easting	Elevation
33	W03-29 RP SET 1/2" B&C		96236.3535	79124.7641	
34	W03-30 RP SET 1/2" B&C		95829.0626	78991.8805	
35	W03-33 L-2 3/4" B&C		97419.6430	80588.0626	
36	W03-21 PT ON 1/8 LINE FENCE		98615.4478	83187.8930	
37	LE2-10 POL SET 8" SPK		103465.4641	82914.9905	
38	LE2-10 POL SET 20D AT 1/8 LIN		104744.3570	82876.5665	
39	LE2-10 RP SET 8" SPK		103240.2756	82056.0177	
40	LE2-11 FEN POST @ 1/8 COR?		103480.0088	81623.5954	
41	LE2-11 FEN POST		103452.3717	82134.5840	
42	LE2-12 SET 3/4" B&C K-12		103554.0748	77676.4850	
43	LE2-13 M-12 SET 3/4" B&C		103430.9504	82915.4135	
44	W03-35 K-1 SET 3/4" B&C		100879.8949	77858.6630	
45	W03-35-205 L-1 SET 3/4" B&C		100831.9214	80469.7517	
46	W03-35-202 M-2 SET 3/4" B&C		97281.3482	83250.5969	
48	W01-76 L-11 3/4" B&C		73537.2775	81478.3923	
51	3348-58-31 K-3		94880.3013	78026.1339	
52	3348-51-05 L-3		94802.8742	80701.2062	
53	3348-55-18 L-3		94646.1080	83368.9703	
54	3348-52-07 L-4		92114.4977	80821.8952	
55	3348-59-100 M-4		91988.9858	83489.5988	
56	3348-53-09 L-5		89467.1611	80945.0097	
57	3348-52-08 B&C		89480.6690	80494.0520	
58	3348-53-10 RP 1/2" B&C		89383.2510	82656.7657	
59	3348-54-13 M-5		89355.1863	83609.1686	
60	W03-10 RP SET 1/2" B&C		77630.5918	84058.5043	
64	W03-11 M-9 STAND B&C		78759.4152	84025.1649	
67	W03-14 M-10 STD B&C		76098.1140	84075.7396	
68	W03-14 A-10 5/8" B&C		75994.1107	84077.6969	
69	W03-16 M-11 STD B&C		73456.1783	84125.9785	
70	W03-45 RP SET 1/2" B&C		80376.3281	83968.1113	
71	W03-45 RP SET 1/2" B&C		81192.1033	83985.0492	
72	W03-46 RP SET 1/2" B&C		82193.3612	83957.4800	

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SECTION 36 LEROY T2N R2E
INGHAM CO MI BKS W03 & LE2

By: DLC 9 APRIL 99

Point	Direction	Distance	Northing	Easting	Elevation
73	W03-46 M-8 STD B&C		81395.6573	83979.4860	
74	W03-46 A-8 FD 1/2" B&C		81297.6532	83981.2002	
75	W03-46 M-7 STD B&C		84049.8096	83862.1369	
76	W03-47 RP SET 1/2" B&C		84115.4246	82682.3702	
77	W03-47 M-6 STD MON &C		86703.6398	83733.9431	
78	W03-48 RP SET 1/2" B&C		87357.8525	83693.0258	
79	W03-49 M-5 CONC MON & STD CA		89355.0832	83609.0863	
80	W03-50(3348-53-10)1/2" B&C		89383.2510	82656.7657	
81	W03-50 A-5 FD 1/2" PIPE		89240.3172	83615.0341	
82	W03-51(3348-52-08)1/2" B&C		89480.6667	80494.2237	
83	W03-52 RP SET 1/2" B&C		89558.8686	79080.2839	
84	W03-52 L-5 STD B&C		89467.2107	80945.0730	
85	W03-53 K-5 1" BAR		89569.9976	78281.6689	
86	W03-54 RP SET 1/2" B&C		87833.7073	78302.1414	
87	W03-54 RP SET 1/2" B&C		89606.5542	76951.1310	
88	W03-55 K-6 STD B&C		86903.8425	78333.1544	
89	W03-56 K-7 1" REBAR		84236.3669	78399.6179	
90	W03-56 1/8 COR 5/8" B&C		85570.1164	78366.3858	
91	W03-57 RP SET 1/2" B&C		84218.5420	79760.4618	
92	W03-57 RP SET 1/2" B&C		82825.9655	78477.2997	
93	W03-58 K-8 STD B&C		81573.5421	78513.4811	
94	W03-59 RP SET 1/2" B&C		81043.0697	78995.1041	
95	W03-60 RP SET 1/2" B&C		79881.4864	79667.6338	
96	W03-61 RP SET 1/2" B&C		78886.3999	80211.7008	
97	W03-62 RP SET 1/2" B&C		78465.3046	80206.7253	
98	W03-62 K-9 STD B&C		78936.4756	78627.0718	
99	W03-63 RP SET 1/2" B&C		77784.4562	79914.3321	
100	W03-64 RP SET 1/2" B&C		76234.3305	79319.3830	
101	W03-65 RP SET 1/2" B&C		76105.7906	78760.1941	
102	W03-66 RP SET 1/2" B&C		74996.2991	78796.4647	
103	W03-66 K-10 STD MON & CAP		76274.9160	78736.6962	
104	W01-56-19 RP RECOV 1/2" B&C		71992.5222	78864.9449	

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Job: SECTION 1 W.O. T2N R2E
SECTION 36 LEROY T2N R2E
INGHAM CO MI BKS W03 & LE2

By: DLC 9 APRIL 99

Point	Direction	Distance	Northing	Easting	Elevation
105	W01-54 K-12 STAND. B&C		70960.3614	78915.7423	
106	W03-68 FD 1/2" B&C		94949.5693	76690.8081	
107	W03-69 RP SET MAG NAIL		91851.3647	76847.2143	
108	W03-70 K-4 STD B&C		92224.2077	78153.5178	
109	W03-72 L-7 STD B&C		84171.6966	81120.3059	
110	W01-71 -08 L-11		73618.4737	78823.0931	
111	W05-01 POL LINE 109-76 MAG		84170.9722	81140.4129	
112	W05-01 RP SET 10" SPK		85726.1541	81382.6217	
113	W05-02 RP SET 10" SPK		86713.2405	80942.2351	
114	W05-02 K-6 STD B&C		86806.1795	81032.0277	
115	wo5-03 pol set mag nail		78495.8225	80207.0859	
116	wo5-03 RP SET 10" SPK		78734.8802	81277.8854	
117	wo5-03 L-9 STD B&C		78868.8650	81316.9017	
118	W05-04 POL SET 10" SPK		79229.3627	84008.5826	
119	W05-04 L-8 FD 1/2" PIPE		81487.9777	81223.3443	
120	W05-05 RP SET 10" SPK		76161.5250	83054.2463	
121	W05-05 RP SET 10" SPK		76196.6085	81443.4584	
122	W05-06 FENCE COR		76175.4481	81427.5057	
123	W05-06 L-10 5/8" B&C		76175.9945	81409.5063	
124	W05-06 N&T SW SIDE 14" ASH		76164.6792	81424.7037	
125	W05-06 N&T SE SIDE 15" WAL		76179.7088	81425.5683	
126	W05-06 N&T SE SIDE 15" WAL		76241.3247	81423.4709	
127	W05-06 N&T N. SIDE RR TIE FP		76177.0735	81437.2429	
128	W05-06 L-10 NEW 10/28/99		76176.3741	81396.5119	
200			92579.5955	95144.1037	
201			101204.8366	94469.9056	
202	EAST 1/4 CORNER SEC. 1 WO		92561.5280	95147.7664	
203	INT 1/4 LINES SEC 1 WO		92608.1532	92495.5643	
204	nw cor sec 1 wo		95991.4681	89647.0392	
205	n 1/4 cor sec 1 wo		96024.3319	92258.3618	
206	INTERSECTION 1/4 LINES SEC 1		92608.1532	92495.5643	
207	M-12 BY COMP TO A-12 HANDY		98689.9777	94613.8464	
208	INTERSECTION 1/4 LINES SEC13		86803.7537	81033.2090	

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Job: SECTION 1 W.O. T2N R2E
SECTION 36 LEROY T2N R2E
INGHAM CO MI BKS W03 & LE2

By: DLC 9 APRIL 99

Point	Direction	Distance	Northing	Easting	Elevation
209	INTERSEC 1/4 LINES SEC 13		86803.7537	81033.2090	
210	INT 1/4 LINES SEC 25		76186.7825	81398.1404	
211	INT. 1/4 LINES SEC 24		81485.4650	81219.8946	
212	LE2-13 M-12 SET 3/4"B&C		98697.8100	94622.4109	
213	INTER 1/4 LINES SEC 36		98678.4168	92022.0843	

File: 33-889.DAT

Session terminated at 10:52 PM on 11-28-1999

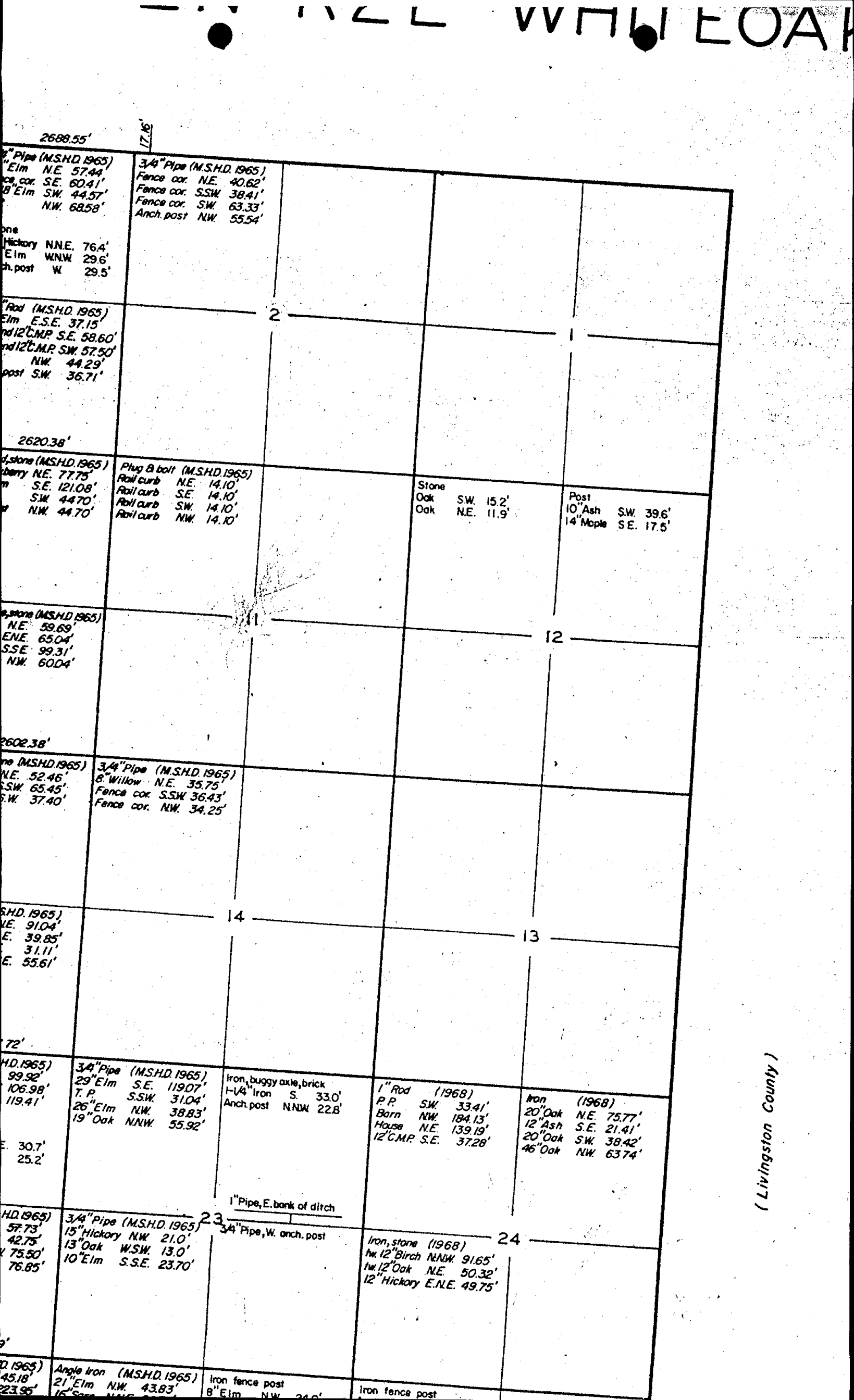
517-55
258-415
09/1
1260
7-2-17
Scb

INTERSECT. 1/4 Lines
to N, 8, 2.6 W of



5EC. 36

The figure is a detailed map of a land survey area, showing a grid of sections numbered 1 through 13. The map includes various bearings and distances, such as "N 101° 35' 42" W" and "S 87° 35' 21" E". It also features several circled numbers (1, 12, 24, 25, 30, 36) and handwritten notes like "Brown" and "Brown". The map is oriented with North at the top.



2688.55'
17.16'
1" Pipe (M.S.H.D. 1965)
Elm N.E. 57.44'
Fence cor. S.E. 60.41'
8" Elm S.W. 44.57'
N.W. 68.58'
Hickory N.N.E. 76.4'
Elm W.N.W. 29.6'
ch. post W 29.5'

3/4" Pipe (M.S.H.D. 1965)
Fence cor. N.E. 40.62'
Fence cor. S.S.W. 38.41'
Fence cor. S.W. 63.33'
Anch. post N.W. 55.54'

1" Rod (M.S.H.D. 1965)
Elm E.S.E. 37.15'
12" C.M.P. S.E. 58.60'
12" C.M.P. S.W. 57.50'
N.W. 44.29'
post S.W. 36.71'

2620.38'
stone (M.S.H.D. 1965)
berry N.E. 77.75'
S.E. 121.08'
S.W. 44.70'
N.W. 44.70'

Plug & bolt (M.S.H.D. 1965)
Rail curb N.E. 14.10'
Rail curb S.E. 14.10'
Rail curb S.W. 14.10'
Rail curb N.W. 14.10'

Stone
Oak S.W. 15.2'
Oak N.E. 11.9'

Post
10" Ash S.W. 39.6'
14" Maple S.E. 17.5'

stone (M.S.H.D. 1965)
N.E. 59.69'
E.N.E. 65.04'
S.S.E. 99.31'
N.W. 60.04'

2602.38'
stone (M.S.H.D. 1965)
N.E. 52.46'
S.W. 65.45'
S.W. 37.40'

3/4" Pipe (M.S.H.D. 1965)
8" Willow N.E. 35.75'
Fence cor. S.S.W. 36.43'
Fence cor. N.W. 34.25'

stone (M.S.H.D. 1965)
N.E. 91.04'
S.E. 39.85'
S.W. 31.11'
S.W. 55.61'

stone (M.S.H.D. 1965)
N.E. 99.92'
106.98'
119.41'

3/4" Pipe (M.S.H.D. 1965)
29" Elm S.E. 119.07'
T.P. S.S.W. 31.04'
26" Elm N.W. 38.83'
19" Oak N.N.W. 55.92'

Iron, buggy axle, brick
1/4" Iron S. 33.0'
Anch. post N.N.W. 22.8'

1" Rod (1968)
P.P. S.W. 33.41'
Barn N.W. 184.13'
House N.E. 139.19'
12" C.M.P. S.E. 37.28'

Iron (1968)
20" Oak N.E. 75.77'
12" Ash S.E. 21.41'
20" Oak S.W. 38.42'
46" Oak N.W. 63.74'

stone (M.S.H.D. 1965)
57.73'
42.75'
75.50'
76.85'

3/4" Pipe (M.S.H.D. 1965)
15" Hickory N.W. 21.0'
13" Oak W.S.W. 13.0'
10" Elm S.S.E. 23.70'

1" Pipe, E. bank of ditch
3/4" Pipe, W. anch. post

Iron, stone (1968)
tw. 12" Birch N.N.W. 91.65'
tw. 12" Oak N.E. 50.32'
12" Hickory E.N.E. 49.75'

stone (M.S.H.D. 1965)
45.18'
223.95'

Angle iron (M.S.H.D. 1965)
21" Elm N.W. 43.83'
15" Oak N.N.E. 22.22'

Iron fence post
8" Elm N.W. 24.0'

Iron fence post

(Livingston County)

SOURCE: ING. Co. ROAD Comm. #15

TRANSCRIBED from ORIGINAL
DUPLICATE on file at Remon. Office

L-3

Post

10" ASH S.W. 39.6'

14" MAPLE S.E. 17.5'

SOURCE: Ing. Co. DRAIN Comm. # B48 "I" & "L" DRAIN

TRANSCRIBED from ORIGINAL on file at Remon. OFFICE
DUPLICATE

White Oak Twp Secs. 1-12 B48

SURVEY OF THE 'I' AND 'L' DRAIN.

Survey of the 'I' and 'L' Drain, located on sections 6 and 7, Town 2 North Range 3 East, Meridian of Michigan, Iosco Township, Livingston County, Michigan, and on sections 1 and 12, Town 2 North Range 2 East, Meridian of Michigan, White Oak Township, Iosco County, Michigan, the centerline thereof being described as follows:

MAIN DRAIN

Commencing at the lower terminus thereof, in the McMath Drain, 1110 feet S of the center of said section 1, T 2 N R 2 E, White Oak Township, thence over and across the SE $\frac{1}{4}$ of the SE $\frac{1}{4}$ of said section 1, Thomas E. McGuire and Lucy E. McGuire, husband and wife, owners, as follows: Commencing at station 0 + 00, at the point above described, thence S 89° 12' E 322 feet, thence S 75° 47' E 526 feet, thence S 83° 02' E 342 feet, thence S 35° 32' E 377 feet, thence S 0° 40' W 323 feet, thence S 39° 35' E 220 feet, thence E 39 feet to station 32 + 49 in the E line of said lands 548 feet N of the SE corner of said section 1. Total length of said Main Drain on said lands is 3249 feet.

Thence over and across the S 49.73 acres of the NW $\frac{1}{4}$ of section 6, T 2 N R 3 E, Iosco Township, Livingston County, Emil Finkler, owner, as follows: Commencing at station 32 + 49, in the W line of said lands, 642 feet N of the SE corner of said section 6, thence E 298 feet to station 35 + 45, at the upper terminus of the Main Drain, 535 feet E and 633 feet N of the SE corner of said section 6. Total length of the Main Drain on said lands is 836 feet.

The total length of the Main Drain is 3545 feet.

BRANCH DRAIN NO. 1

A branch to the Main Drain, known and designated as Branch Drain No. 1, is located as follows: Commencing at station 31 + 14 of the Main Drain, 602 feet N and 73 feet W of the SE corner of section 1, T 2 N R 2 E, thence over and across the SE $\frac{1}{4}$ of the SE $\frac{1}{4}$ of said section 1, Thomas E. McGuire and Lucy E. McGuire, husband and wife, owners, as follows: Commencing at the lower terminus as above described, thence S 0° 35' W 125 feet, thence S 25° 25' W 210 feet, thence S 43° 35' W 339 feet, thence S 4° 15' E 12 feet to station 6 + 64 in the S line of said lands, 420 feet W of the SE corner of said section 1. Total length of said branch drain on said lands is 694 feet.

Thence over and across the NE $\frac{1}{4}$ of the NE $\frac{1}{4}$ of section 12, T 2 N R 2 E, except commencing at the SE corner thereof, thence N 23 rods, thence 7 23 rods, thence S 26 rods, thence E 23 rods to beginning, Charice M. Strobel and Ora A. Strobel, husband and wife, owners, as follows: Commencing at station 6 + 64, in the N line of said lands, 420 feet W of the NE corner of said section 12, thence S 4° 15' E 650 feet to station 15 + 54, in the S line of said lands at a point 23 rods N and 236 feet W of the E 1/3 post of the NE $\frac{1}{4}$ of said section 12. Total length of said branch drain on said lands is 920 feet.

Thence over and across the following description: Commencing at the E 1/3 post of the NE $\frac{1}{4}$ of section 12, T 2 N R 2 E, thence N 23 rods, thence W 29 rods, thence S 23 rods, thence E 29 rods to beginning, John A. Jays and Muriel E. Jays, husband and wife, owners, as follows: Commencing at station 15 + 54, in the N line of said lands, 300 feet W of the NE corner thereof, thence S 4° 15' E 40 feet to station 16 + 02, the upper terminus, at a point 414 feet N and 368 feet W of the E 1/3 post of the NE $\frac{1}{4}$ of said section 12. Total length of said branch drain on said lands is 48 feet.

The total length of Branch Drain No. 1 is 1602 feet.

(1)

SOURCE: DRAIN COMMISSION

File # 264

TRANSCRIBED from ORIGINAL on file at REMON. OFFICE
DUPLICATE

SURVEY OF THE MC. MAHON DRAIN

Sec 1, George

Survey of the Mc. Mahon Drain located in the Sec 36 Township
3 N Range 2 E, Leroy Township, and in Sections 1, 11, 12, 14, 23, and 26
Township 2N Range 2E, Whiteoak Township. The center line thereof
being described as follows:

Commencing at a point, on the west bank of the West Cedar Drain,
3.75 chs W of the E $\frac{1}{4}$ post of Sec 36 T3N R2E, thence upon the N $\frac{1}{2}$
of the SE $\frac{1}{4}$ of said Sec 36, John Mulvaney, owner, W 7.32 chs, thence
S46°W 11.94 chs, thence S65°W 13.03 chs, thence S26°W 1.60 chs to the
S line of the said lands at a point 9.54 chs E of the SW corner of
the said lands. Total length of said drain ^{upon} said lands is
33.88 chs.

Thence upon the SW $\frac{1}{4}$ of the SE $\frac{1}{4}$ of said Sec 36, James Mulvaney,
owner, S26°W 8.75 chs, thence S5°E 11.94 chs, thence S5°W .28 chs to
at a point
the S line of the said lands in the center of the highway 6.55 chs
E of the SW corner of the said lands. Total length of said drain
upon said lands is 20.97 chs.

Thence upon the N Frac $\frac{1}{2}$ of the NE Frac $\frac{1}{4}$ of Sec 1 T2N R2E,
John Mulvaney, owner, S5°W 10.85 chs, thence S 20.90 chs to the S
line of the said lands at a point 5.30 chs E of the SW corner of the
said lands. Total length of drain upon said lands is 31.75 chs.

Thence upon the S $\frac{1}{4}$ of the NE Frac $\frac{1}{4}$ of said Sec 1, James Mul-
vaney, owner, S 20.18 chs to the S line of the said lands at a point
5.14 chs E of the SW corner of the said lands. Total length of said
drain upon said lands is 20.18 chs.

-2- Thence upon the N $\frac{1}{2}$ of the SE $\frac{1}{4}$ of said Sec 1, Hugh A. Laughlin
owner, S .22 chs, thence W 5.10 chs to the W line of the said lands
at a point .30 chs S of the center of said Sec 1. Total length of
said drain upon said lands is 5.32 chs.

Thence upon the E 60 Acres of the N $\frac{1}{2}$ of the SW $\frac{1}{4}$ of said Sec 1,
John W. Norris, owner, W .30 chs, S 19.96 chs to the S line of the said
lands at a point .30 chs W of SE corner of the said lands. Total
length of said drain upon said lands is 20.16 chs.