OFFICE OF COUNTY ENGINEER
RAMSEY COUNTY, MINN.

PLAN Survey

RICE ST. @ T.H. 49

From _____ To _____

Road Acc't. No. _____

Date Filed _____ File _____

ML
MR
KR

MAY 19, 80
SUNNY 70°

PLAN SURVEY
RICE ST AT T.H. 49

INDEX

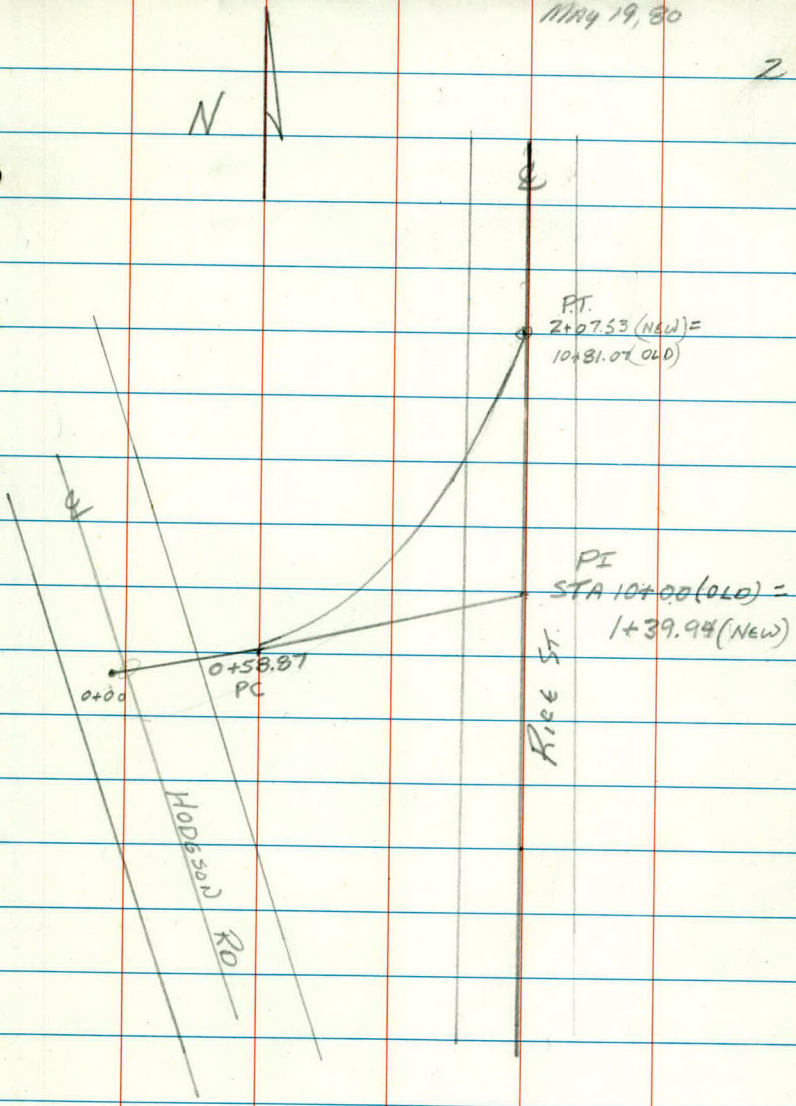
ML
BW
MR
KR

MAY 19, 80

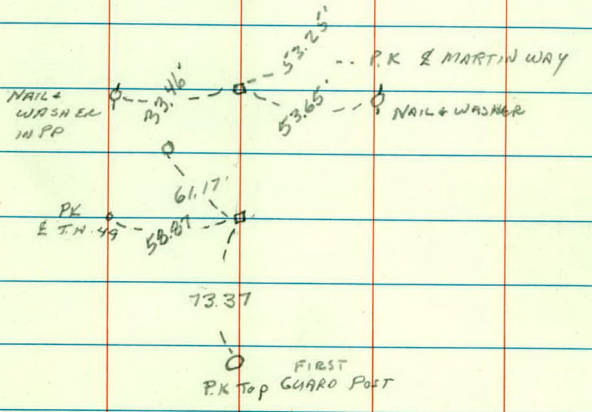
Sunny 70° 1

NEW ALIGNMENT

RICE ST AT T.H 49


N
℄
P.T.
2+07.53 (NEW) =
10+81.04 (OLD)
℄
PI
STA 10+00 (OLD) =
1+39.94 (NEW)
0+00
0+58.87
PC
HODGSON RD
RICE ST.

STA	POINT	Δ LT	DATA
			Δ = 56°46'57"
			D = 38°11'50"
+07.53		28°23'29"	R = 150'
2+00		26°57'14"	T = 81.07
+50		17°24'16"	L = 148.66
+39.94	P.T.		
1+00		7°51'19"	
0+58.87	P.C.	0°00'00"	
0+00	POT		


P.K & MARTIN WAY
NAIL & WASHER
NAIL & WASHER IN PP
53.46'
53.65'
61.17'
PK
E TH 49
58.87'
73.37'
FIRST
P.K Top GUARD POST

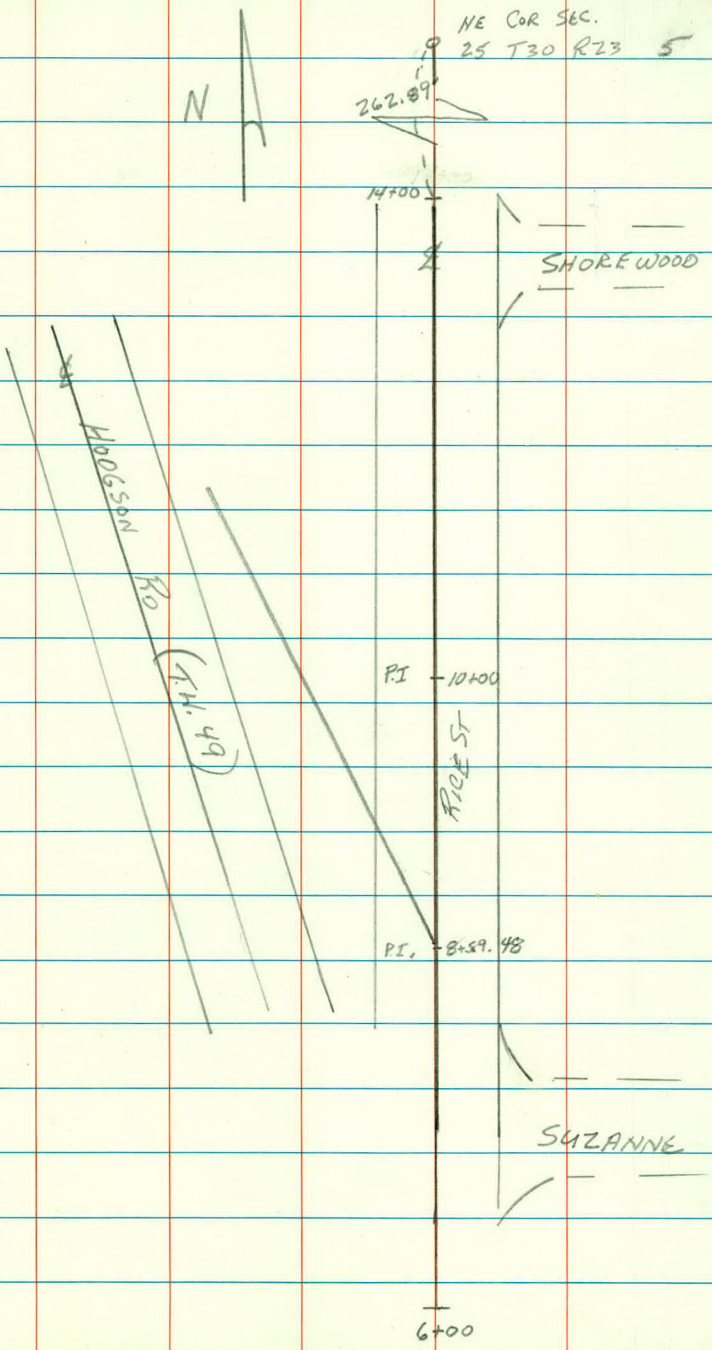
ML
BW
MR
KR

MAY 19, 80

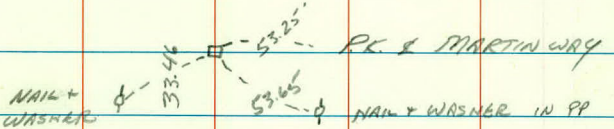
4

OLD ALINEMENT

RICE ST AT T.H. #49


NE COR SEC.
25 T30 R23 E
N
262.89'
14+00
SHOREWOOD
HODGSON RD
(T.H. 99)
P.I - 10+00
RICE ST
P.I. - 8+59.48
SUZANNE
6+00

STA	POINT
10+00	P.O.T.


PK & MARTIN WAY
NAIL + WASHER IN PP
NAIL + WASHER IN PP
33.41'
53.23'
53.65'

DL
DR
SB
KR

May 20, 80

Sunny 75° 7

BENCH MARKS

RICE ST FROM T.H. 49 TO

CO RD F

BM	+	IT	−	ELEV	
	1.96	928.92		926.96	
	6.75	926.38	9.29	919.63	
	4.83	927.11	4.10	922.28	
	3.82	927.35	3.58	923.53	
	4.41	926.69	5.07	922.28	
	8.44	928 07	7.06	919.63	
			1 10	926.97	(926.96)

Top Hyd SW Cor Rick St & Co Rd F

Spike in PP 13+15 Lt

Spike in PP 9

Top Hyd 7+70 Lt 75±

ML
MR
SB
KR

MAY 20, 80
SUNNY 75° 9

X SECTIONS
RICE ST AT T.H. #49

STA	+	⊼	−	ELE
	5.87	929.40		923.53
6+00				
+53	SOUTH GUTTER SUZANNE			
+69	E SUZANNE			
+69			7.19	922.21
+84	NORTH GUTTER SUZANNE			
7+00				

LT ℄ RT

B.M Top Hyd. 7+70 LT 75'±

23.95	924.0	23.9	23.8	24.0	24.2	24.3
5.45	5.40	5.5	5.6	5.4	5.2	5.1
5		12	21	32	50	66
℄						
T.N. 49						

23.8	923.84	23.8	22.6	22.3	22.1
5.60	5.56	5.6	6.8	7.1	7.3
11		12	35	45	75
℄					
T.N. 49					

23.75	923.81	23.7	22.4	22.2
5.65	5.59	5.7	7.0	7.2
℄ 14		12	42	70
T.N. 49				

M.H. Rt 70

23.65	923.79	23.6	22.2	22.1
5.75	5.61	5.8	7.2	7.3
17		12	42	70
℄				
T.N. 49				

23.51	23.71	923.79	23.6	23.1	23.0	23.2
5.89	5.69	5.61	5.8	6.3	6.4	6.2
20	7		12	22	33	58
℄	EAST EDGE					℄
T.N. 49	T.N. 49					B.T ENT

STA	+	HI	−	ELEV	
		929.46			
7+52					
8+00					
+50					
T.P	7.74	930.02	7.10	922.30	922.28
9+00					

LT ℄ RT 11

23.04	23.38	24.2	24.3	23.8	923.72	23.6	23.3	23.9	25.4	26.3
6.36	6.07	5.2	5.1	5.6	5.68	5.8	6.1	5.5	4.0	3.1
33	20	13	4	4		12	24	34	52	75
℄	E. EDGE	Top BIT CURB	Top BIT CURB	GUTTER						
49	49									

23.78	23.21	23.79	24.16	23.68	923.61	23.5	23.2	23.6	25.1	25.8
5.62	6.19	5.61	5.24	5.72	5.79	5.9	6.2	5.8	4.3	3.6
50	39	34	2	2		12	23	33	51	75
℄	E. EDGE	Top BIT CURB	Top BIT CURB	GUTTER						
49	49									

22.75	23.04	23.0	923.08	23.0	22.8	23.3	24.8	
6.65	6.36	6.4	6.32	6.4	6.6	6.1	4.6	
70	58	18		12	23	33	55	
℄	E EDGE							
T.N. 49	T.N. 49							

SPIKE P.P. 9+80 LT

23.06	22.32	22.32	922.66	22.22	22.42	25.72	28.62	28.82	
6.96	7.7	7.7	7.36	7.8	7.6	4.3	1.4	1.2	
87	54	27		16	24	41	69	80	
E EDGE								Ho	
T.N. 49									

STA	+	℄	-	ELEV
		930.02		
~~9+50~~				
+84	SOUTH GUTTER MARTIN WAY			
+84			8.76	921.26
10+00	℄ MARTIN WAY			
+16	NORTH GUTTER MARTIN WAY			
+16			9.08	920.94
+38				

LT ℄ RT 12

22.88	21.72	22.22	922.58	22.12	22.12	23.62	26.12	26.92
7.14	8.3	7.8	7.44	7.9	7.9	6.4	3.9	3.1
126	62	20		18	25	41	63	80

E EDGE
T. 4.49

22.68	21.62	21.62	22.32	922.51	22.02	21.52	21.82
7.34	8.4	8.4	7.7	7.51	8.0	8.5	8.2
146	96	50	16		18	38	100

C.B. RT 48'

22.44	21.52	21.32	21.62	22.22	922.48	22.32	21.82	21.52	21.72
7.58	8.5	8.7	8.4	7.8	7.54	7.7	8.2	8.5	8.3
154	135	100	50	15		12	22	53	100

E EDGE
T. N. 49

21.42	21.72	22.22	922.45	22.32	21.62	21.32	21.72
8.6	8.3	7.8	7.57	7.7	8.4	8.7	8.3
100	50	13		12	22	62	100

℄ EP ENT

C.B. RT 48'

STA	+	π	−	ELEV
		930.02		
10+50				
✓				
+84				
T.P.	9.65	931.82	7.84	912.18
11+00				

LT E RT 13

23.82	22.22	22.22	22.22	922.33	22.22	22.22	23.12	23.52	24.72
6.2	7.8	7.8	7.8	7.69	7.8	7.8	6.9	6.5	5.3
136	160	50	13		13	19	38	60	85
								E	
								BIT	
								ENT	

21.72	20.12	21.72	22.01
8.3	9.9	8.3	8.01
160	175	190	204
			E EDGE

23.17	23.52	22.22	22.02	922.22	22.12	22.22	23.62	24.22	25.92
6.85	6.5	7.8	8.0	7.80	7.9	7.8	6.4	5.8	4.1
80	50	32	13		13	20	41	59	81
CONC								E	
								BIT	
								ENT	

P.K. @ 11+00

23.43	25.93	22.43	21.83	22.03	922.18	22.03	22.23	23.83	25.73
8.4	5.9	9.4	10.6	9.8	9.65	9.8	9.6	8.0	6.1
70	55	32	23	12		13	19	48	83
									HU

STA	+	HI	−	ELEV
		931.83		
11+10			BIT ENT RT	
+50				
12+00	℄ BIT ENT			
T.P.	5.00	926.84	9.99	921.84
+43				
+43			5.85	920.99

LT ℄ RT 14

30.13	25.63	22.23	21.73	22.03	922.14	22.03	22.03	23.43	25.33
1.7	6.2	9.6	10.1	9.8	9.89	9.8	9.8	8.4	6.5
63	45	30	21	12		13	20	46	71
BLDG									

30.53	25.03	21.73	21.83	922.01	21.93	21.83	21.43	22.53	23.03
1.3	6.8	10.1	10.0	9.82	9.9	10.0	10.4	9.3	8.8
67	46	30	13		13	19	25	53	76
BLDG									C-L FE

21.93	22.03	21.33	21.63	921.83	21.63	21.53	21.63	22.33
9.9	9.8	10.5	10.2	10.00	10.2	10.3	10.2	9.5
86	54	19	12		13	20	50	77
								WOOD FE

℄ PK 12+00

18.54	18.94	19.84	20.94	21.54	921.74	21.54	21.24	20.94	21.64	22.44
85	79	7.0	5.9	5.3	5.10	5.3	5.6	5.9	5.2	4.4
75	50	40	18	12		13	19	27	47	82
										HO

M.H. LT 28' -

STA	+	℄	−	ELEV
		926.84		
12+62				
V				
13+14	SOUTH GUTTER LINE			SOUTHWOOD
+14			7.36	919.48
+27			17.56	909.28
+31	℄ SOUTHWOOD			

LT ℄ RT 15

11.74	15.94	19.24	20.94	21.54	921.77	21.54	21.34	20.94	21.74	23.14
15.1	10.9	7.6	5.9	5.3	5.07	5.3	5.5	5.9	5.1	3.7
	38	30	22	13		13	20	30	54	90

HO

909.84

17.0
100

07.04	10.14	20.74	21.34	21.74	921.89	21.54	19.84	20.04	20.54
19.8	16.7	6.1	5.5	5.1	4.95	5.3	7.0	6.8	6.3
100	41	25	20	13		13	34	63	100
								←	
								~~BT~~	
								ENT	

CB RT 49

24" RCP ARCH PIPE

06.74	07.54	11.24	21.34	21.84	921.97	21.64	20.44	20.24	20.64
20.1	19.3	15.6	5.5	5.0	4.87	5.2	6.4	6.6	6.2
100	78	39	20	13		13	32	55	100

STA	+	HI	−	ELEV
		926.84		
13+46				
13+46			7.19	919.65
14+00				
10+23			4.85	921.99
BM			7.20	919.64 (919.63)

Lt & Rt 16

07.04	07.54	10.54	21.34	22.14	922.15	21.84	20.14	20.26	20.64
19.8	19.3	16.3	5.5	4.7	4.69	5.0	6.7	6.58	6.2
100	78	43	22	13		13	33	58	100
								℄ Conc Ent	

C.B. Rt 50

07.34	08.04	14.44	21.94	22.54	922.88	22.64	22.24	21.64	23.11	24.74
19.5	18.8	12.4	4.9	4.3	3.96	4.2	4.6	5.2	3.73	2.1
100	80	37	22	13		13	20	27	53	92
									℄ Conc DR	40

M.H. Lt 18'

ML
MR
KR

MAY 21, 80
SUNNY 75°

17

TOPOGRAPHY

RICE ST AT T.H. 49

LT

℄

RT

+50

+47 BR MED 38-29

+42 NOSE (41) MED 46

+30 ER MED 9

+39 COR BLDG 76

+32 POR MED 6

+38 PP 29

+39 COR WOOD FE 30-76

(16 PINE)

+26 BR MED 2

+24 ER MED 21

+37 COR WOODS 34-43

+13 POR MED 33

+04 PP 28

+01 8" ASH 73

+00 ℄ HODGSON 51

+00 MED 2

8+00

+00 BR MED 33

RO RD 18

℄ 135

+80 NW COR HO 160

+50 WOODS 34-43

+51 ER MEDIAN 3-13

+50

RO +50 QUAD BIRCH 88

NOSE

+47 MEDIAN 8

+32 ℄ ENT (58 PINE)

+20 BEG WOODS 34-43

+20 SW COR HO 111

+00 ℄ HODGSON 21

7+00

+00 ER 19

+00 POR ENT 52-67

+91 POR 21

+96 14" ELM 84

+86 BR 37

+ ℄ BIR ENT 45-66

+70 ℄ SUZANNE

+70 M H 71

+50

+57 ER 40

+46 POR 21

+32 12" PINE 54

+32 12" PINE 68

+30 BR 19

+50 END FE 33

+21 12" PINE 56

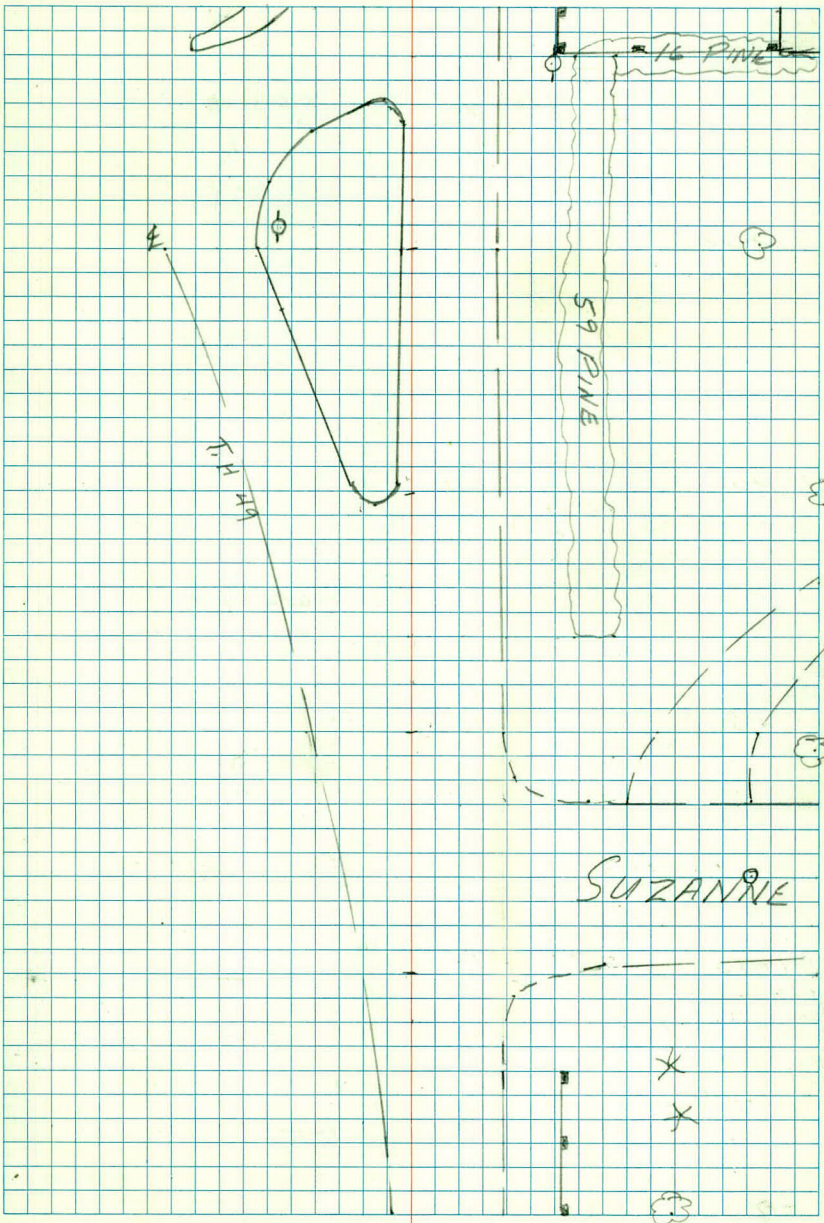
6+00

+00 ℄ HODGSON 4

RO +00 WOOD FE 32

+00 5" ASH 54

19


16 PINE
59 PINE
T.H 19
SUZANNE

LT

℄

RT

11+00

RD 13

RD 13

+85 SW 81-98

+85 BITENT 54+66

+85 BUSH 46

+92 10" R OLIVE 32

+83 BUSH 86

+83 4" LINDEN 134

+80 4" LINDEN 66

+79 8" R OLIVE 31

+76 4" LINDEN 160

+65 10" R OLIVE 31

+55 SW COR HO 106

+73 4" LINDEN 95

+66 4" LINDEN 116

+53 8" MAPLE 77

+51 LINDEN 4" 138

+59 4" LINDEN 82

+49 10" R. OLIVE 28

+50

+46 10" MAPLE 46

+34 10" PINE 72

+23 M.H. 17

+34 ER 13

+15 END TAPER 13

+20 POR 19

+27 12" QUAD MAPLE 47

+16 BR 31

+16 SB 48

+16 BITENT 55-67

+60 E MARTIN WAY

10+00

RD 15

+83 PP 30

+84 ER 34

+80 POR 24

+80 PP 51

+84 CB 49

+64 BEG FE 30

+72 BR 18

+73 COR FE 30-40

+61 16" ELM 66

+52 SCHRUB 46

+52 CEDAR 2" 48

+50

+39 10" PINE 85

+34 NO COR HO 104

+36 16" COTTONWOOD 62

+21 MOSS MED (4')

+37 ER RICE ST 23

+02 16" COTTONWOOD 62

9+00

RD 18

+00 ER MEDIAN 1

+00 ER MEDIAN 3

+84 ER RICE ST 77

+84 POR RICE ST 35

+87 SW COR HO 82

+77 POR MED

+69 POR RICE ST 56

+76 SCRUB 39

+76 6" CEDAR 41

+68 POR MED 3-14

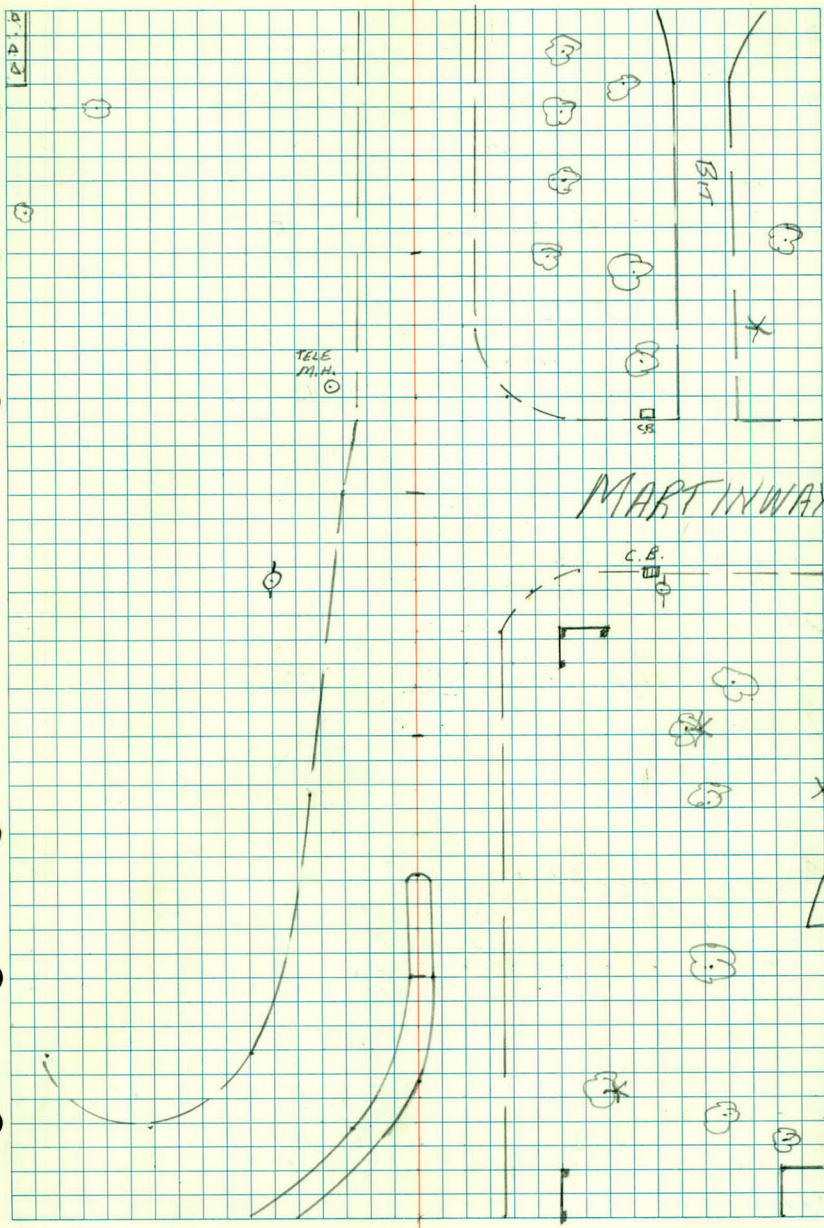
+72 14" ASH 64

+66 TWIN WILLOW 77

8+50

+60 END FE 29

+60 COR GAR. 76


TELE
M.H.
C.B.

LT

2

RT

+50

+18 NO COR BACKSTOP 75

+27 ARCH RCP 24" 39

+14 PP 30

+00 SE COR BACKSTOP 75

RD RD 13

13+00

+90 SO. EDGE BACKSTOP 85-100

+45 END C-L FE 51

+45 LILACS 41

+42 M.H. 28

+45 10" QUAD POPEL 40

+31 NE COR SLAB 59

+29 NW COR SLAB 68

+29 NE COR P.LOT 68

+19 LILACS 100

+19 FE (C-L) 100

+19 SE COR SLAB 57

+18 SW COR SLAB (CONC) 65

+12 SE COR P. LOT 63

+00 21' BIT ENT

12+00

RD RD 13 13

+67 PP 29

+56 NE COR BLDG 71

+50

+33 E COR BLDG 65

+00 SE COR BLDG 82

RD RD 13 13

11+00

+46 BR 34

+46 CB 49

+46 CONC ENT 49-63

+15 ER 38

+15 CB 49

+15 ENT BIT 52-72

+07 POR 20

+99 6" LINDEN 88

+98 BR 13

+78 BUSH 48

+78 POR BIT ENT 64-87

+68 YD LITE 66

+67 NW COR HO 105

+58 BUSH 58

+21 BUSH 55

+12 SW COR BLD 81

+12 END FE 81

+90 6" MAPLE 47

+65 END C-L FE 75

+65 BEG WOOD FR 75

+64 10" PINE 46

+64 10" PINE 53

+64 10" PINE 61

+51 10" R. OLIVE 31

+44 24" WILLOW 57

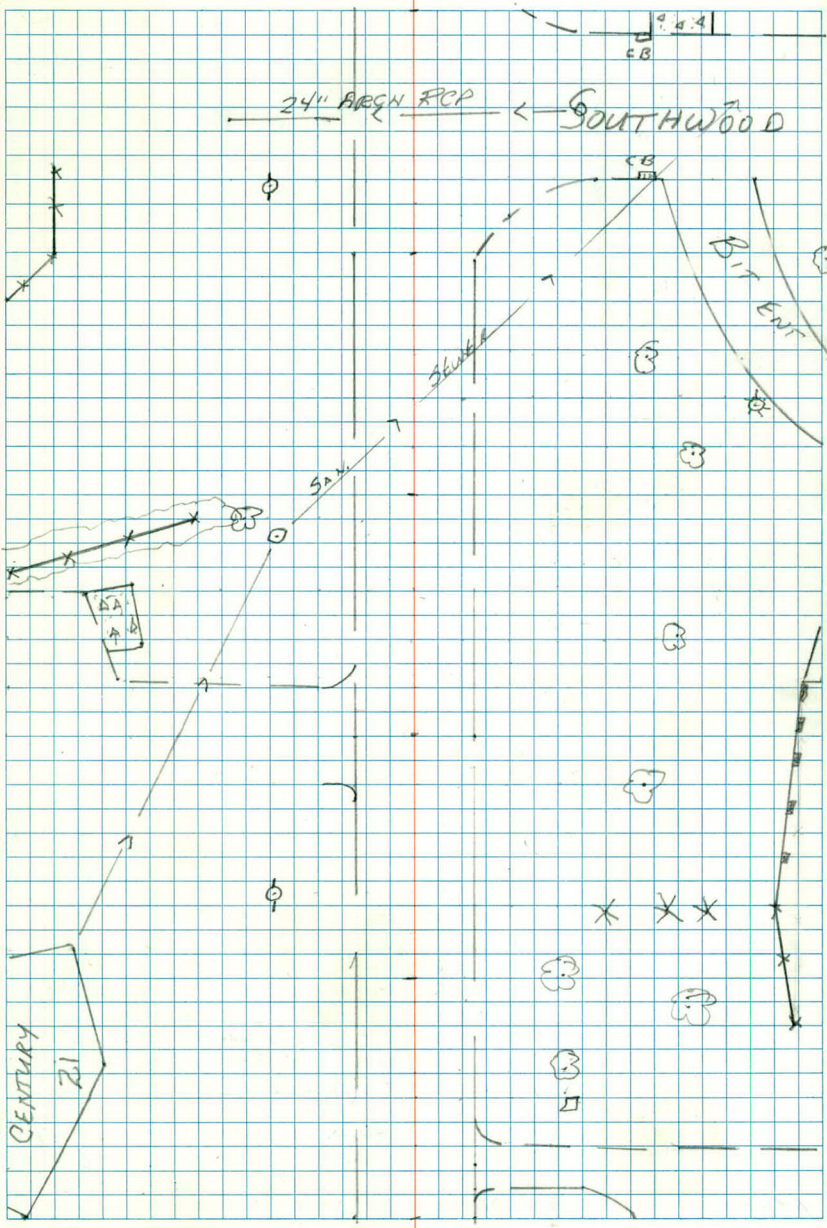
+40 FE (C-L) 79

+31 R. OLIVE 32

+25 STUMP 33

+11 NW COR HO 89

+11 ℄ BIT ENT (10')


LT
℄
RT
24" ARCH RCP
SOUTHWOOD
CB
CB
BIT ENT
SLOPE
SLOPE
CENTURY 21

RT

℄

LT

14+00

RD 12

RD 14

+00 CONC ENT
48-60

+91 4" PINE
37

+88 SW COR RD
108

+81 6" MAPLE
79

+75 2" PINE
37

+65 2" PINE
37

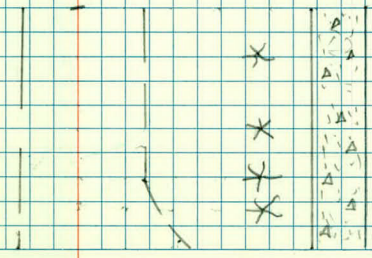
+64 ER
14

+59 8" ASH
84

+59 2" PINE
38

13+50

+52 POB
27



STRUCTURAL DATA

22

TYPE Southwood Dr

STORM	X	ELECTRIC		WATER	
SANITARY		TELEPHONE		OTHER	

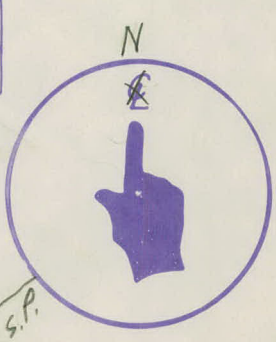
STATION	LEFT	RIGHT	SIZE	
13+46		X		9" INCH CASTING

TYPE OF CONST.		COMMENTS
BLOCK	X	
BRICK		
SECTIONAL		

ADJUSTING RINGS	TYPE	NO.	DEPTH	COMMENTS
BLOCK				
BRICK				
CONC. RINGS				

		ELEV.
DEPTH FROM BOTTOM OF M.H TO TOP OF CASTING	3.9'	915.75
DISTANCE FROM HIGHEST FLOW LINE TO TOP OF CASTING		
ETC.		
INV.		

SIZES OF ALL PIPES AND DIRECTION OF FLOW



DESIGN

ELEVATION – TOP	919.65
FINAL ELEVATION	
DIFFERENCES	

ADJUST

RECONSTRUCT

STRUCTURAL DATA

23

TYPE Southwood Dr

STORM	X	ELECTRIC		WATER	
SANITARY		TELEPHONE		OTHER	

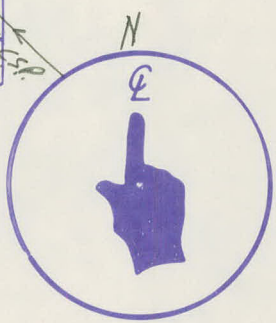
STATION	LEFT	RIGHT	SIZE	
13+15		X		9" INCH CASTING

TYPE OF CONST.		COMMENTS
BLOCK	X	
BRICK		
SECTIONAL		

ADJUSTING RINGS	TYPE	NO.	DEPTH	COMMENTS
BLOCK				
BRICK				
CONC. RINGS				

DEPTH FROM BOTTOM OF M.H TO TOP OF CASTING	3.9'	ELEV. 915.58
DISTANCE FROM HIGHEST FLOW LINE TO TOP OF CASTING		
ETC.		
INV.		

SIZES OF ALL PIPES AND DIRECTION OF FLOW



DESIGN

ELEVATION – TOP	919.48
FINAL ELEVATION	
DIFFERENCES	

ADJUST

RECONSTRUCT

STRUCTURAL DATA

24

TYPE

STORM		ELECTRIC		WATER	
SANITARY	X	TELEPHONE		OTHER	

STATION	LEFT	RIGHT	SIZE	
12+42	X			4" INCH CASTING

TYPE OF CONST.	
BLOCK	
BRICK	
SECTIONAL	X

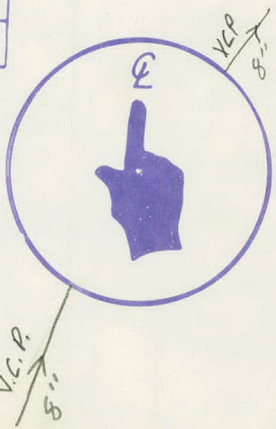
COMMENTS

ADJUSTING RINGS	TYPE	NO.	DEPTH
BLOCK			
BRICK			
CONC. RINGS			

COMMENTS

DEPTH FROM BOTTOM OF M.H TO TOP OF CASTING	4.7"	ELEV. 916.29
DISTANCE FROM HIGHEST FLOW LINE TO TOP OF CASTING		
ETC.		
INV.		

SIZES OF ALL PIPES AND DIRECTION OF FLOW



DESIGN

EVATION – TOP	920.99
FINAL ELEVATION	
DIFFERENCES	

ADJUST

RECONSTRUCT

STRUCTURAL DATA

TYPE Manhole Way 25

STORM	X	ELECTRIC		WATER	
SANITARY		TELEPHONE		OTHER	

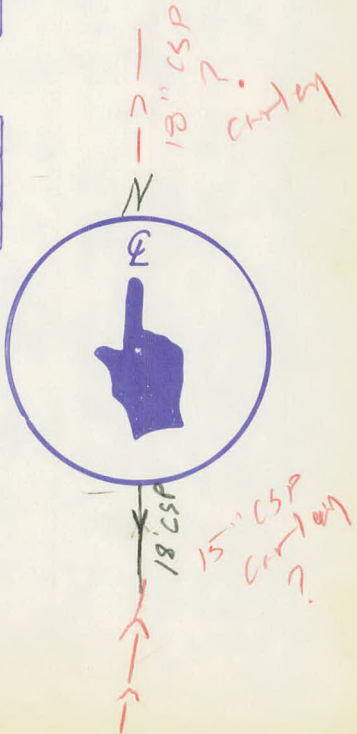
STATION	LEFT	RIGHT	SIZE	9" INCH CASTING
10+16		X		

TYPE OF CONST.		COMMENTS
BLOCK	X	
BRICK		
SECTIONAL		

ADJUSTING RINGS	TYPE	NO.	DEPTH	COMMENTS
BLOCK				
BRICK				
CONC. RINGS				

		ELEV.
DEPTH FROM BOTTOM OF M.H TO TOP OF CASTING	2.4	918.54
DISTANCE FROM HIGHEST FLOW LINE TO TOP OF CASTING		
ETC.		
INV.		

SIZES OF ALL PIPES AND DIRECTION OF FLOW



DESIGN

ELEVATION – TOP	920.94
FINAL ELEVATION	
DIFFERENCES	

ADJUST

RECONSTRUCT

STRUCTURAL DATA

TYPE Manhole Way 29

STORM	X	ELECTRIC		WATER		
SANITARY		TELEPHONE		OTHER		

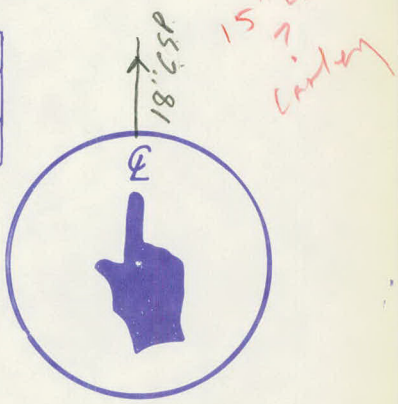
STATION	LEFT	RIGHT	SIZE	9" INCH CASTING
9+84		X		

TYPE OF CONST.		COMMENTS
BLOCK	X	
BRICK		
SECTIONAL		

ADJUSTING RINGS	TYPE	NO.	DEPTH	COMMENTS
BLOCK				
BRICK				
CONC. RINGS				

		ELEV.
DEPTH FROM BOTTOM OF M.H TO TOP OF CASTING	2.4	918.86
DISTANCE FROM HIGHEST FLOW LINE TO TOP OF CASTING		
ETC.		
INV.		

SIZES OF ALL PIPES AND DIRECTION OF FLOW



DESIGN

ELEVATION – TOP	921.26
FINAL ELEVATION	
DIFFERENCES	

ADJUST

RECONSTRUCT

STRUCTURAL DATA

27

TYPE

STORM		ELECTRIC		WATER	
SANITARY		TELEPHONE	X	OTHER	

STATION	LEFT	RIGHT	SIZE	
10+23	X			12" INCH CASTING

TYPE OF CONST.	
BLOCK	
BRICK	
SECTIONAL	

COMMENTS

ADJUSTING RINGS	TYPE	NO.	DEPTH	COMMENTS
BLOCK				
BRICK	X	3	1.1'	
CONC. RINGS				

		ELEV.
DEPTH FROM BOTTOM OF M.H TO TOP OF CASTING	7.5	[illegible]
DISTANCE FROM HIGHEST FLOW LINE TO TOP OF CASTING		
ETC.		
INV.		

SIZES OF ALL PIPES AND DIRECTION OF FLOW

DESIGN

ELEVATION – TOP	[illegible]
FINAL ELEVATION	
DIFFERENCES	

ADJUST

RECONSTRUCT

STRUCTURAL DATA

28

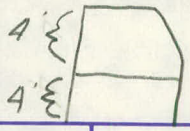
TYPE SUZIE-ANN

STORM		ELECTRIC		WATER	
SANITARY	X	TELEPHONE		OTHER	

STATION	LEFT	RIGHT	SIZE	
6+70		71		9" INCH CASTING

TYPE OF CONST.	
BLOCK	
BRICK	
SECTIONAL	X

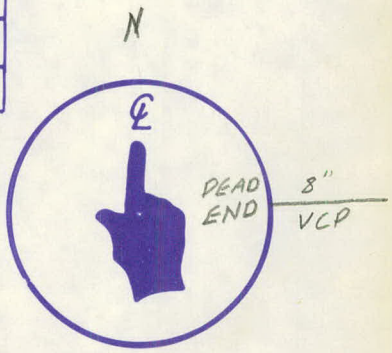
COMMENTS



ADJUSTING RINGS	TYPE	NO.	DEPTH	COMMENTS
BLOCK				
BRICK				
CONC. RINGS	X	3	8"	

		ELEV.
DEPTH FROM BOTTOM OF M.H TO TOP OF CASTING	10.2	912.01
DISTANCE FROM HIGHEST FLOW LINE TO TOP OF CASTING		
ETC.		
INV.		

SIZES OF ALL PIPES AND DIRECTION OF FLOW



DESIGN

ELEVATION – TOP	922.21
FINAL ELEVATION	
DIFFERENCES	

ADJUST

RECONSTRUCT

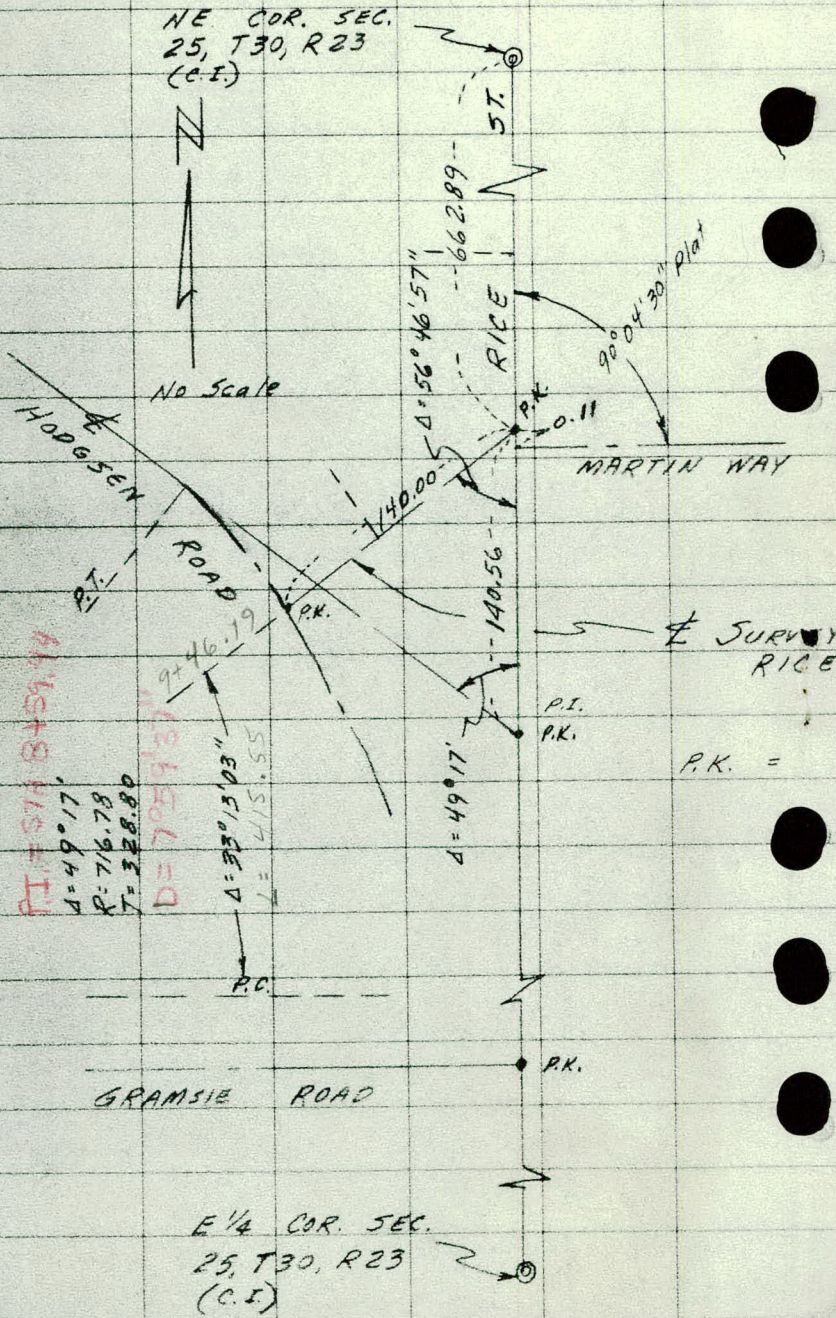
RICE ST.
RELOCATION
at
HODGSEN ROAD

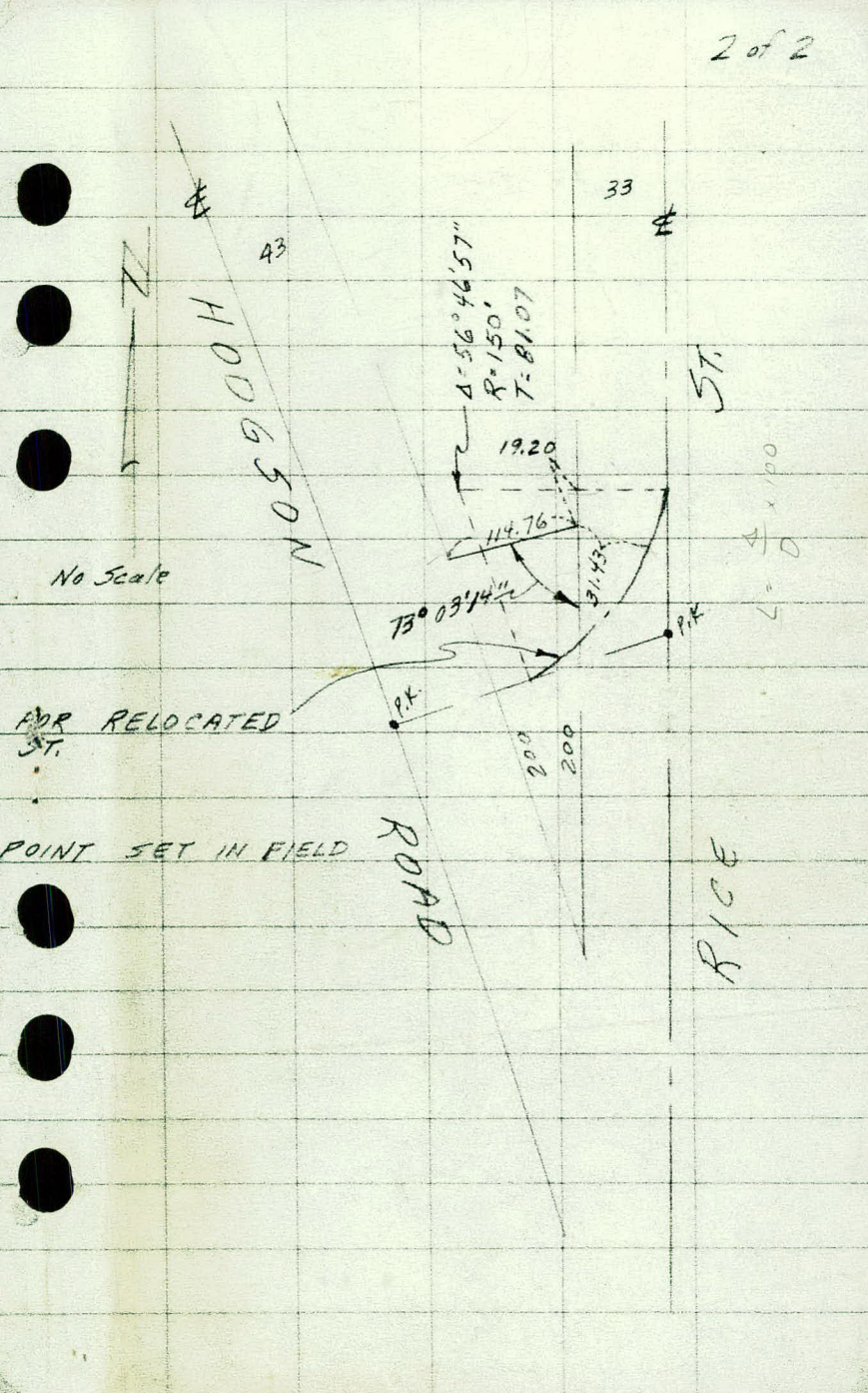
By

RAMSEY COUNTY PUBLIC WORKS DEPT.

CREW: R.M.
P.D.
P.K.

MAY 14, 1980
55°


NE COR. SEC.
25, T30, R23
(C.I.)
N
No Scale
5T.
662.89'
RICE
90°04'30" Plat
Δ=56°46'57"
P.K.
0.11
MARTIN WAY
℄ HODGSEN ROAD
140.00'
P.I.
P.K.
140.56'
℄ SURV
RICE
P.K. =
P.I.
P.K.
Δ=49°17'
9+46.19
Δ=33°51'03"
L=415.55
P.C.
P.K.
GRAMSIE ROAD
E 1/4 COR. SEC.
25, T30, R23
(C.I.)
PI = 5+18.64
D = 7°57'30"
Δ=49°17'
R=719.78
T=333.80


N
43
33
ROAD
RICE ST.
Δ = 56° 46' 57"
R = 150'
T = 81.07
19.20
114.76
31.43
73° 03' 14"
P.T.
P.T.
200
200
No Scale
FOR RELOCATED ST.
POINT SET IN FIELD

Sod

Top	hyd	7+70	Lt 75'
DITCH		7.09	921.54
DITCH		7.84	920.79
DITCH		8.27	920.36
GE		7.12	921.53
GE		6.92	921.71
"		5.21	23.42
"		5.21	23.42
"		6.42	22.21
"		6.89	21.74
"		6.09	22.54
"		5.3	23.33
"		5.2	23.43
DITCH		8.8	19.83
HYD		8.9	19.73
PP		7.3	21.33
DITCH		9.3	19.33

	ROD	
EOR	8.56	20.07
"	8.08	20,55
& "	7.25	21,38
"	6.87	21.76
ENT.	7.4	21,23
& ENT	7.25	21,38
ENT So.	7.22	21,41
15" CMP	9.67	18,96
"	10.55	18.08
& DR	7.46	21.17
CMP. LOT	6.50	22.13
"	6.95	21.68
DITCH	9.7	18.93
11 CMP	9.00	19.63
"	9.03	19.6
Bldg	4.68	23.95
Bldg	5.00	23.63
Bldg	5.20	23.43
Bldg	NO SHOT	

	ROD	
Eon	6.58	22.05
"	6.41	22.22
"	6.95	21.68
"	7.96	20.67
"	8.55	20.08
"	8.13	20.5
"	7.62	21.01
℄	6.47	22.16
"	5.83	22.8
"	5.90	22.73
SH/wh.	5.8	22.83
Eon	5.66	22.97
℄	6.12	22.51
Eon	7.22	21.41
"	7.56	21.07
"	7.01	21.62
"	6.87	21.76
℄	5.99	22.64
"	5.61	23.02

	ROD		5.45
Sidewalk	5.8	22.83	
M.H.	6.88	21.75	
Sidewalk	7.2	21.43	
Curb	6.90	21.73	
Curb	6.56	22.07	
℄	5.78	22.85	

TOPOGRAPHY OF

RICE ST. & HODGSEN RD. INTERSECTION

CREW: R.M.
R.K.
M.G.
R.K.

July 8, 1980

	+	H.I.	−	ELEV
Discription		AZM	Dist	
⊼ @	9+00	Shooting 0°00' south		
				922
	5.10	928.63		923.53
DITCH		33°16'	133	
DITCH		75°08'	120	
DITCH		92°30'	142	
GE		90°56	148	
GE		81°37'	178	
GE		73°29'	232	
GE		66°48'	216	
GE		74°23'	166	
GE		91°40'	222	
GE		85°51'	278	
GE		72°30'	264	
GE		59°37'	263	
DITCH		102°47'	168	
HYDRONT		114°07'	242	
PP		111°10'	240	
DITCH		118°46'	290	

Rod

Top hyd 7+70 Lt 75'±

7.09

7.84

8.27

7.10

6.92

5.21

5.21

6.42

6.89

6.09

5.3

5.2

8.8

8.9

7.3

9.3

DESCRIPT.	+	AZM	DIST	ELEV
EDGE OF ROAD (EOR)		121° 13'	297	
EOR		122° 03'	297	
EOR (?)		124° 09'	295	
EOR		126° 31'	295	
ENTRANCE NORTH SIDE		129° 41'	313	
CENTERLINE OF DRIVE		129° 53'	295	
ENTRANCE SOUTH SIDE		130° 01'	278	
15" CMP		131° 45'	272	
15" CMP.		131° 59'	313	
CENTERLINE OF DRIVE.		137° 37'	300	
CORNER OF PARKING LOT		141° 09'	280	
CORNER OF PARK. LOT		133° 42'	265	
DITCH		130° 32'	245	
CULVERT 15" CMP		130° 52'	225	
15" CMP SOUTH END		129° 25'	180	
CORNER OF BUILDING		143° 16'	246	
COR. OF BUILDING		154° 13'	233	
COR. OF BUILDING		157° 42'	215	
COR. OF BUILDING		164° 29'	240	

ROD
8.56
8.08
7.25
6.87
7.4
7.25
7.22
9.67
10.55
7.46
6.50
6.95
9.7
9.00
9.03
4.68
5.00
5.20
NO SHOT

DESCRIPT.	+	H.I. BEM	− DIST	ELEV
EOR		125°07'	216	
EOR		123°11'	218	
EOR		120°23	220	
EOR		117°40	225	
EOR		116°28	227	
EOR		108°11	170	
EOR		109°29	168	
℄		112°57	162	
EOR		116°31	156	
EOR		118°37	154	
EDGE OF SHOULDER		109°38	111	
EOR		104°31	112	
℄		99°31	119	
EOR		96°45	130	
EOR		95°30	133	
EOR		70°43	108	
EOR		71°07	104	
℄		72°11	93	
EOR		73°01	81	

ROD
6.58
6.41
6.95
7.96
8.55
8.13
7.62
6.47
5.83
5.90
5.8
5.66
6.12
7.22
7.56
7.01
6.87
5.99
5.61

DESCRIPT.	+	HI HZM	DIST	ELEV
EDGE CEOS OF SHOULDER		72°52	72	
MH		33°15	126	
BM				5.09
EOS		28°19	140	
EOR		26°46	135	
EOR		25°36	131	
℄		23°16	120	

ROD

5.8

6.88

7.2

6.90

6.56

5.78