Bk. 66 Dr. 16

OFFICE OF COUNTY ENGINEER
RAMSEY CO. MINN.

Drainage Survey

Co. Rd "I"

From Lex. Ave To Hodgson Rd.

Road Acc't. No. 60

Date Filed 6-11-41 File

Use this
52+75:5:Plan
(1935)

52+76:37 = 1941
survey

PLAN SURVEY
COUNTY ROAD "I"
Lexington to Hodgson

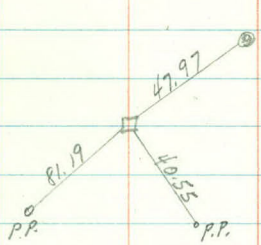
Completed - 6/5/40

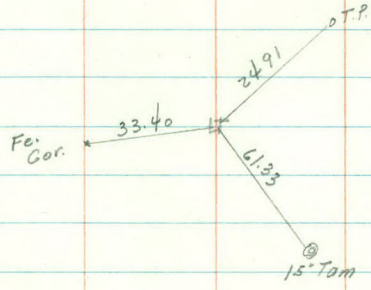
Party:
R.P.
A.M.
L.G.
C.F.

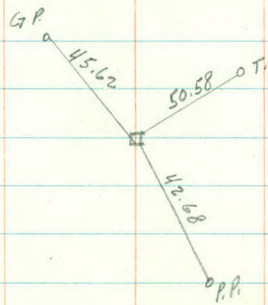
Plan Completed
11/9/40

See Back of Book for
Culvert Levels, Co. Rd. "I"
11-30-54

Sta.	Pt.	Angle Lt.	Rt.
79+12.05	P.O.T.	Hodgson Rd.	
52+76.37	P.I.		0°0'15" Rt.
26+41.25	P.O.T.	Lexington	


B.E.
47.97
81.19
40.55
P.P.
P.P.
Mon.
N.E. Cor Sec 11


T.P.
24.91
33.40
Fe. Cor.
61.33
15" Tam
Mon
N¼ Sec. 11


G.P.
45.62
50.58
T.P.
42.68
P.P.
Mon.
N.W. Cor 11 M.V.

Co. Rd. I

Lexington

to

Hodgson Rd

Ditch 29 15 15 Ditch 29

31 Ditch 29 15 15 Ditch 29

30 Ditch 29·67 15 15 Ditch 29

29 Ditch 29·67 15 15 Ditch 29

28 Ditch 29·68 15 Ditch 60

+30 Ditch 67

27 15 15

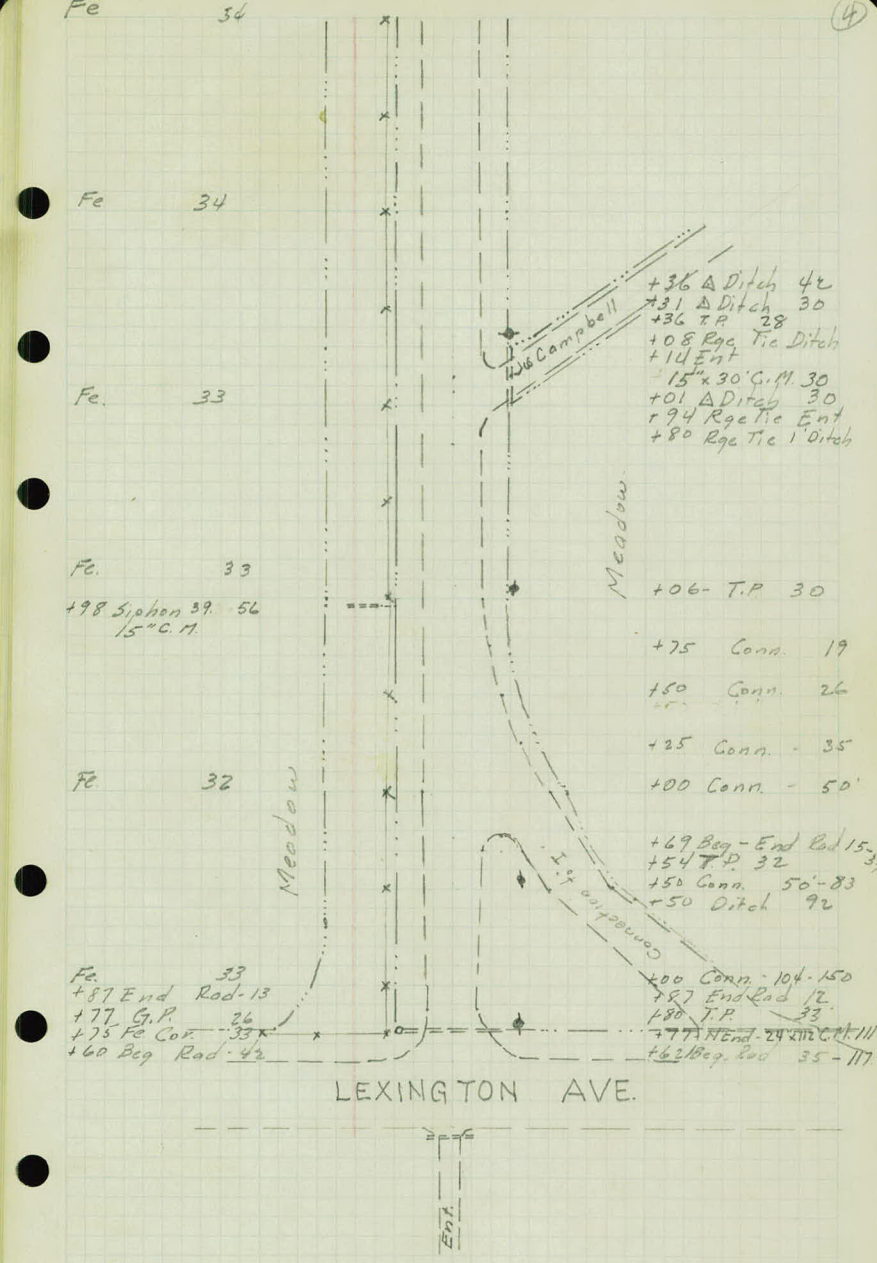
+77 Ditch - 29· 92
27'

+77·24° x 3"2' C.M. 25'

+41.25 ℄ Lexington
+25 Shldr x5 ℄
+20 - 12" x 20· C.I.P

11' 9'

26


Fe 34
Fe 34
Fe. 33
Fe. 33
+98 Siphon 39.56
15" C.M.
Fe 32
Fe. 33
+87 End Rod-13
+77 G.P. 26
+75 Fe Cor. 33
+60 Beg Rod-42
+36 Δ Ditch 42
+31 Δ Ditch 30
+36 T.P. 28
+08 Rge. Tie Ditch
+14 Ent
15" x 30' C.M. 30
+01 Δ Ditch 30
r94 Rge Tie Ent
+80 Rge Tie 1' Ditch
H.W. Campbell
Meadow
+06- T.P 30
+75 Conn. 19
+50 Conn. 26
+25 Conn. 35
+00 Conn. - 50'
+69 Beg - End Rod 15-3
+54 T.P. 32
+50 Conn. 50'-83
r50 Ditch 92
Meadow
Connection to Ent.
+00 Conn. 104-150
+87 End Rod 12
+80 T.P. 33
+77 REnd-24" cm C.M. 111
+62 Beg. Rod 35-117
LEXINGTON AVE.
Ent.

39

+76 Ent.
15"x 20' C.M. 30
+69 Rye tic Ent.
+92 Pop 38 +65 " 38
+87 " 49 +60 " 41
+56 " 40
+46 " 39
+32 " 39
+31 " 42

38 Ditch 30-59 Ditch 29

+95 Pop. 36
+93 " 44
+88 " 43
+82 Twin 46
+78 41

37 Ditch 30-59 +00 Ditch 30

36 Ditch 30-59 Ditch 29

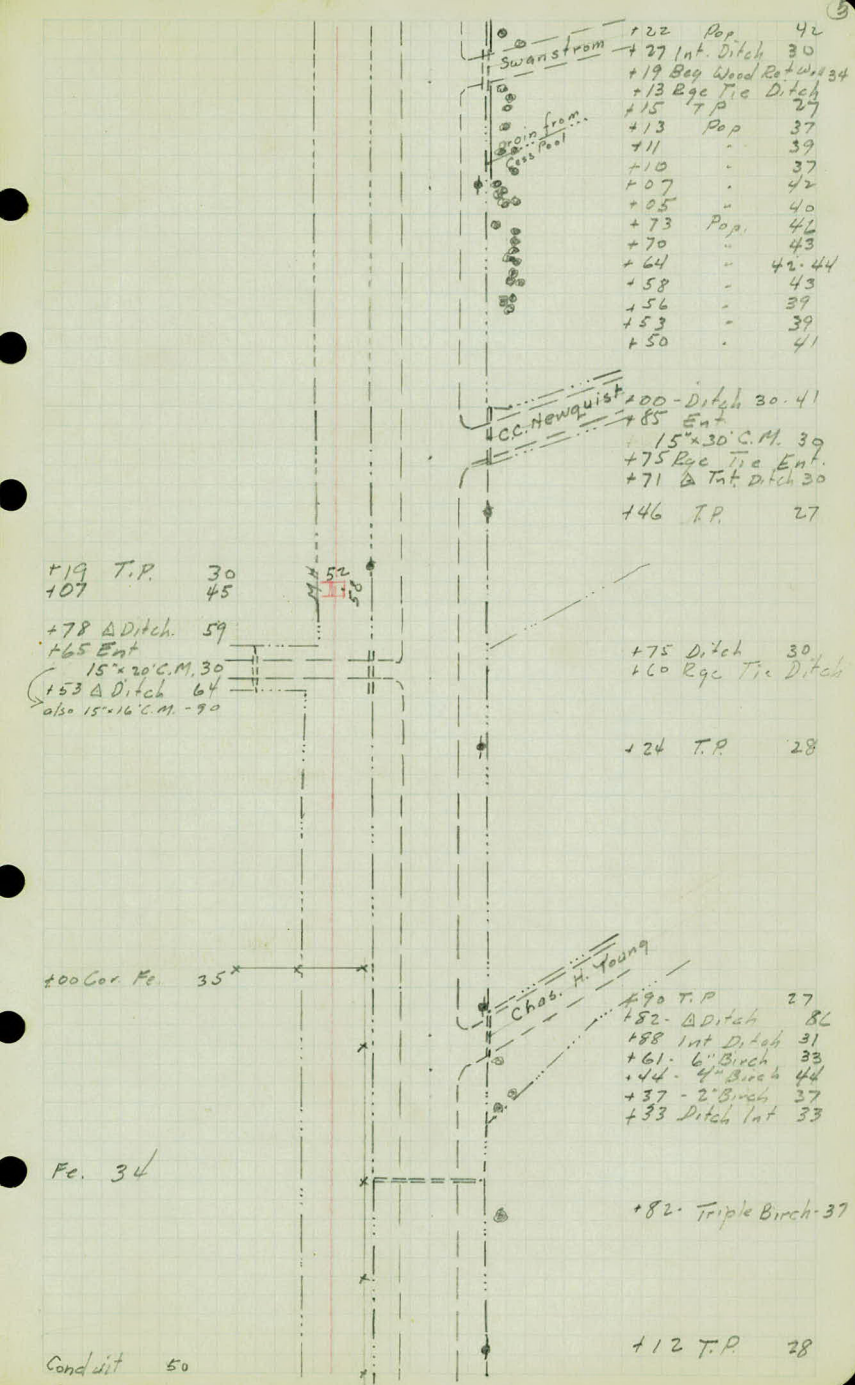
35 Ditch 29 15' 15' Ditch 29

34 Ditch 29-66

+75 Ent
15"x 20' C.M. - 30
+57 Rye Tic Ent

33 29 +00-24"x 52' C.M. 23

32


Swanstrom
Drain from Cess Pool
+22 Pop. 42
+27 Int. Ditch 30
+19 Beg Wood Retg. 34
+13 Rge Tie Ditch
+15 T.P. 27
+13 Pop 37
+11 " 39
+10 " 37
+07 " 42
+05 " 40
+73 Pop. 42
+70 " 43
+64 " 42-44
+58 " 43
+56 " 39
+53 " 39
+50 " 41
C.C. Hewquist
+00 - Ditch 30-41
+85 Ent.
15"x30" C.M. 30
+75 Rge Tie Ent.
+71 Δ Int. Ditch 30
+46 T.P. 27
+19 T.P. 30
+07 45
+52
+78 Δ Ditch 59
+65 Ent.
15"x20" C.M. 30
+53 Δ Ditch 64
also 15"x16" C.M. - 90
+75 Ditch 30
+60 Rge Tie Ditch
+24 T.P. 28
+00 Cor. Fe. 35
Chas. H. Young
+90 T.P. 27
+82 - Δ Ditch 86
+88 Int Ditch 31
+61 - 6" Birch 33
+44 - 4" Birch 44
+37 - 2" Birch 37
+33 Ditch Int 33
Fe. 34
+82 - Triple Birch - 37
+12 T.P. 28
Conduit 50

46 Ditch 29 Ditch 22

45 Ditch 29 15 15 Ditch 21

+98 Cor Shed - 37
+90 Cor Shed 39
+82 Cor Gar 36
+64 Cor Gar 40
+49 Cor Gar - 36
+36 Cor Gar 37
+23 - Cor Bldg 34

44 Ditch 29 Ditch 22

43 Ditch 29 Ditch 30

42 Ditch Ditch 30

41

+98 Ent
+86 Ent

40 Ditch 29 15 15 Ditch 29
+68 T. P 27
+66 Beg. Fc 33
+57 Ent 30
+50 Fc. 33
+49 Rge Lie Ent
+44 Prop 35 - 39
+42 Rge Lie Fc.
+41 Pop 38
+38 " 35
Ditch 30 23

39 29 +00 - 24" x 52' C.M.

Fc. 33

Fc 33

Fc. 33

Fc. 33

+82 G.P 30

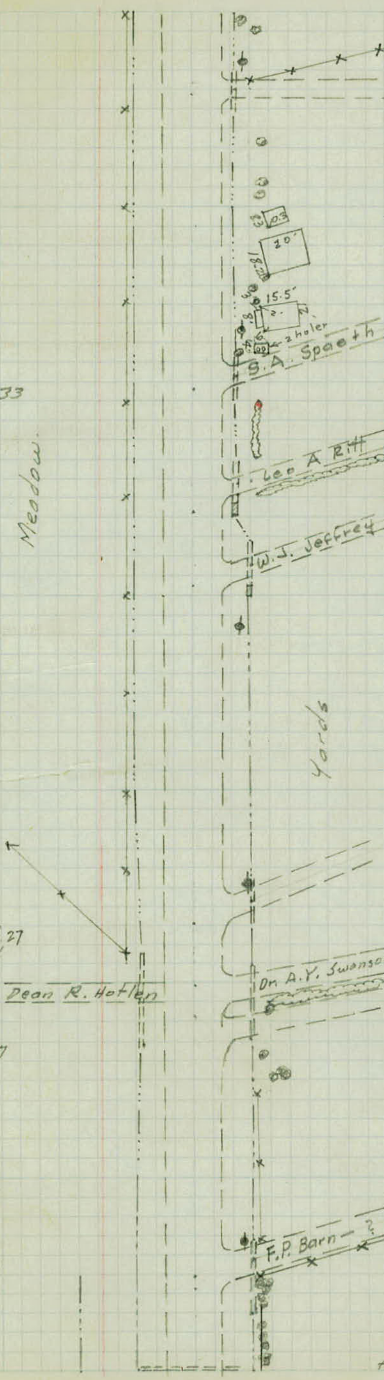
Fc 33

+15 End 30"x33' V.T. 27
+15 Fc. Cor. 34

+95 Ent.
+98 Rge Tie Fc.

+69 End 30"x13' C.M. 27

+66 X Fc. 33
+50 End Ditch 59



+96 Oak 26
+90 Oak 31
+73 T.P. 24
+63 X Fc 33
+58 Rge Tie Fc
+60 Ent
15"x20' C.M. - 22
+32 Maple 37
+11 Spruce 38
+06 " 37
+57 Oak 38
+48 B.E. 33
+41 B.E. 31
+40 " " 31
+36 - T.P 24
+24 - Pop. - 24
+12 Ent.
15"x20' C.M. 21
+07 Rge Tie Ent.
+00 End Hedge - 34
+98 Lot Iron - 32.6
+71 Beg. Hedge 34
+59 Ent.
12"x20' C.M. 3' Conc. 15" 34
+51 Hedge 32
+42 Rge Tie Hedge
+14 Ent.
15"x20' C.M. - 3' Conc 30
+05 Rge Tie Ent.

+83 T.P. 25

+51 T.P. 26
+42 Ent.
15"x20' C.M 30
+31 Rge Tie Ent.

+09 End 15" C.M. - 29
+90 Hedge 39
+82 Rge Tie Hedge
+82 Tree 40
+71 End 15" C.M. - 29
+61 Pop 37
+56 " 45
+54 " 47
+51 " 42
+44 End Fc 33

+68 End 15" C.M. 29
+30 End 15" C.M. 29
+35 End Ret Wall - 32
+35 Pop 35
+23 " 35
+19 " 36
+14 " 36
+08 " 37
+05 " 37
+00 8"x8" Tile 32 - 36

53 Ditch 29-65

Ditch 31

27 +45- 24"x54' C.M. 27

52 Ditch 29-66

Ditch 29

+99 Tam. 40-41
+92 Stump 34
+83 Tam. 37
+70 T.P. 24
+70 Stump 37
Ditch 29

Ditch 30-66 (Begin)

51

+92 Tam. 37
+88 - B.E. - 37
+77 Pop 43
+70 Tamarack 35
+68 - Pop 37-41
+65 " 38-40
+52 T.P. 25
+51 Pop 36

50 Ditch 29 15 15 Ditch 26

+96 Pop 38
+92 " 30

49 Ditch 31

+90 Cor Gon 36
+69 Cor. Gon 36

28 +20 - 24"x 52' C.M. 24

48 Ditch 31

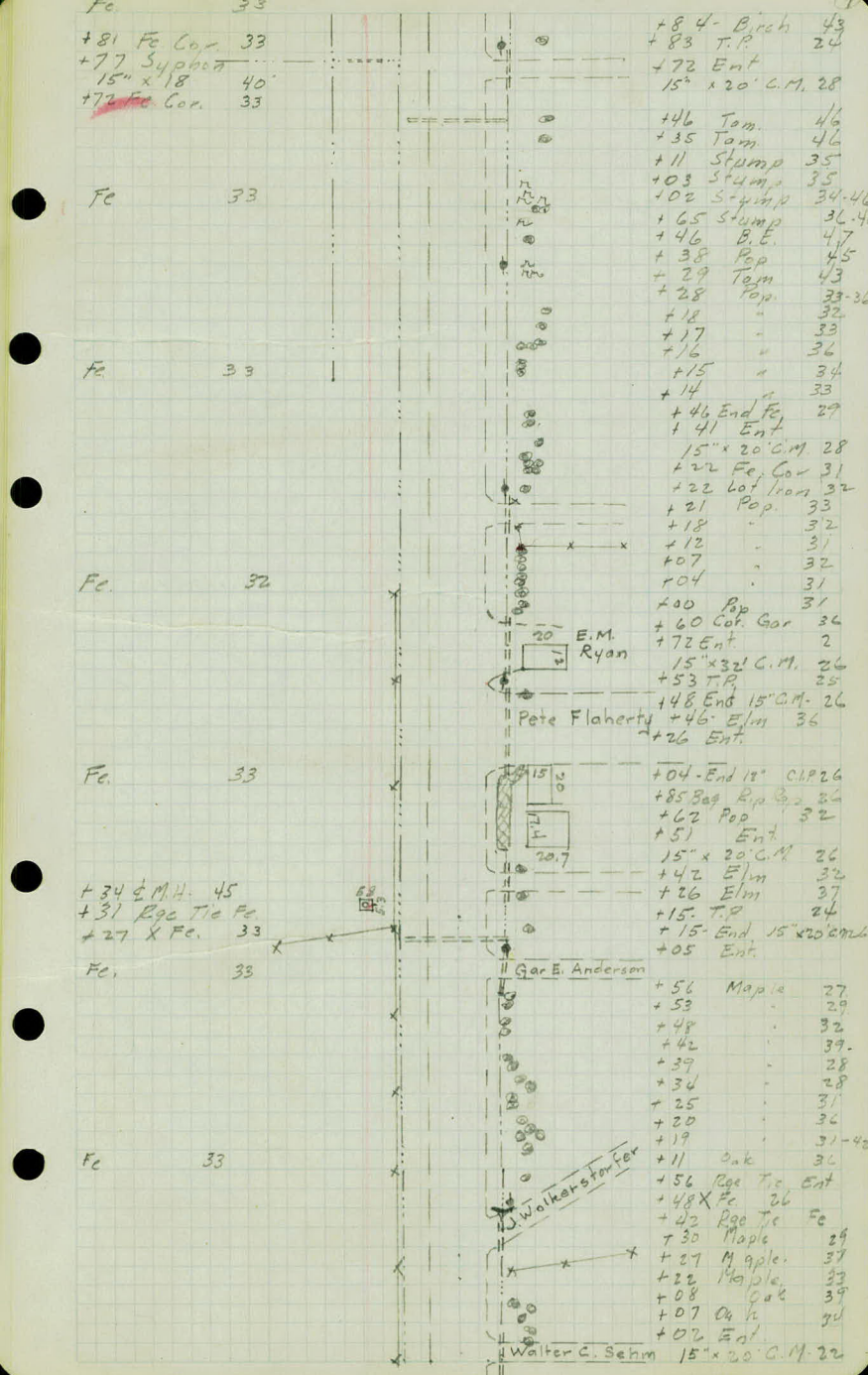
+91 End - 15°23' Vit 22

+90 Birch 24
+85 " 25
+77 " 25
+71 " 25

47 Ditch 30 Ditch 22

+96 Oak 36
+81 - TP 25
+79 Headwall 17-25
+69 End
15"x20' C.M. 22

46


+81 Fe Cor. 33
+77 Syphon
15" x 18" 40
+72 Fe Cor. 33
Fe 33
Fe 33
Fe. 32
Fe. 33
+34 ℄ M.H. 45
+31 Pge Tie Fe
+27 X Fe. 33
Fe. 33
Fe 33
+84 Birch 43
+83 T.P. 24
+72 Ent
15" x 20' C.M. 28
+46 Tom. 46
+35 Tom. 46
+11 Stump 35
+03 Stump 35
+02 Stump 34-46
+65 Stump 34-46
+46 B.E. 47
+38 Pop 45
+29 Tom 43
+28 Pop. 33-36
+18 " 32
+17 " 33
+16 " 36
+15 " 34
+14 " 33
+46 End Fe 29
+41 Ent
15" x 20' C.M. 28
+22 Fe Cor 31
+22 Lot Iron 32
+21 Pop. 33
+18 " 32
+12 " 31
+07 " 32
+04 " 31
+00 Pop 31
+60 Cor. Cor 36
+72 Ent 2
15" x 32' C.M. 26
+53 T.P. 25
+48 End 15" C.M. 26
+46 Elm 36
+26 Ent.
20
E.M. Ryan
Pete Flaherty
+04 End 18" C.M. 26
+85 Bag Rip Rap 26
+62 Pop 32
+51 Ent
15" x 20' C.M. 26
+42 Elm 32
+26 Elm 37
+15 T.P. 24
+15 End 15" x 20' C.M. 26
+05 Ent.
Gar E. Anderson
+56 Maple 27
+53 " 29
+48 " 32
+42 " 39
+39 " 28
+34 " 28
+25 " 31
+20 " 36
+19 " 31-46
+11 Oak 36
+56 Pge Tie Ent
+48 X Fe 26
+02 Pge Tie Fe
+30 Maple 29
+27 Maple 37
+22 Maple 33
+08 Oak 39
+07 Oak 31
+02 Ent
J. Walker & Forfer
Walter C. Sehm
15" x 20' C.M. 22

60 Ditch 29 - 63 15 15 Ditch 38
23 +99- 24"x 44' C.M. 21

59 Ditch 29-64 Ditch 38

58 Ditch 29 Ditch 38

57 Ditch 30 - 63 Ditch 37

56 Ditch 29 Ditch 38

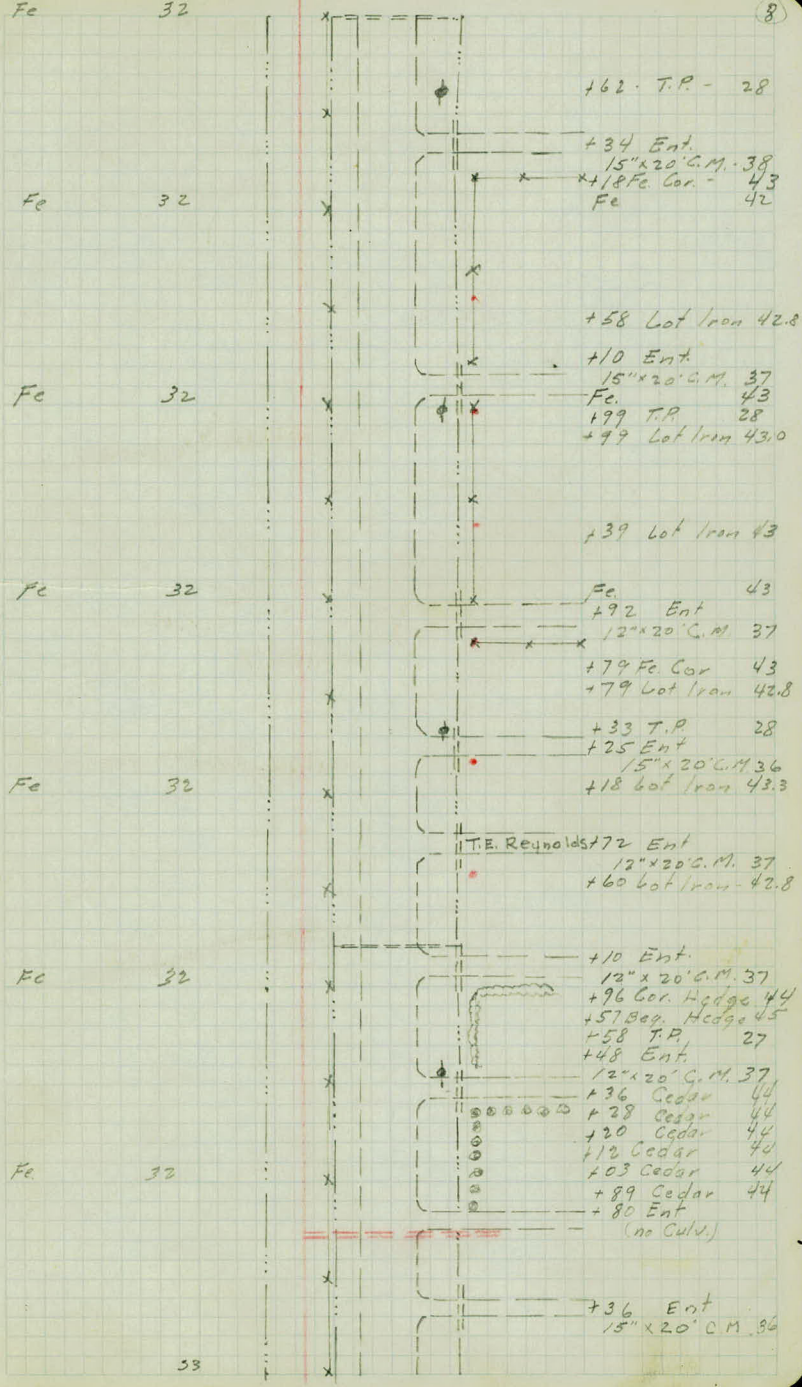
23 +21 - 24"x 48'C.M. 25

55 Ditch 30-65 15 15 Ditch
+98 Cat Iron #3.5

54 Ditch 30-65 Ditch 38
+96 Cedar 4"

+75 - 12" W.I.P. x 5 ±
(Lake Inlp)

53 29-65


Fe 32
+62 T.P. 28
+34 Ent.
15"x20' C.M. 38
+18 Fe. Cor. 43
Fe 42
Fe 32
+58 Lot Iron 42.8
+10 Ent.
15"x20' C.M. 37
Fe. 43
+99 T.P 28
+99 Lot Iron 43.0
Fe 32
+39 Lot Iron 43
Fe. 43
+92 Ent
12"x20' C.M. 37
+79 Fe Cor 43
+79 Lot Iron 42.8
+33 T.P 28
+25 Ent
15"x20' C.M 36
Fe 32
+18 Lot Iron 43.3
T.E. Reynolds +72 Ent
12"x20' C.M. 37
+60 Lot Iron 42.8
+10 Ent.
Fe 32
12"x20' C.M. 37
+96 Cor. Hedge 44
+57 Beg. Hedge 45
+58 T.P. 27
+48 Ent.
12"x20' C.M. 37
+36 Cedar 44
+28 Cedar 44
+20 Cedar 44
+12 Cedar 44
Fe 32
+03 Cedar 44
+89 Cedar 44
+80 Ent
(no Culv.)
+36 Ent
15"x20' C.M. 36

67

66

20
65 Ditch 28 15 +06 24"x 40' C.M. 15 20

64 Ditch 29

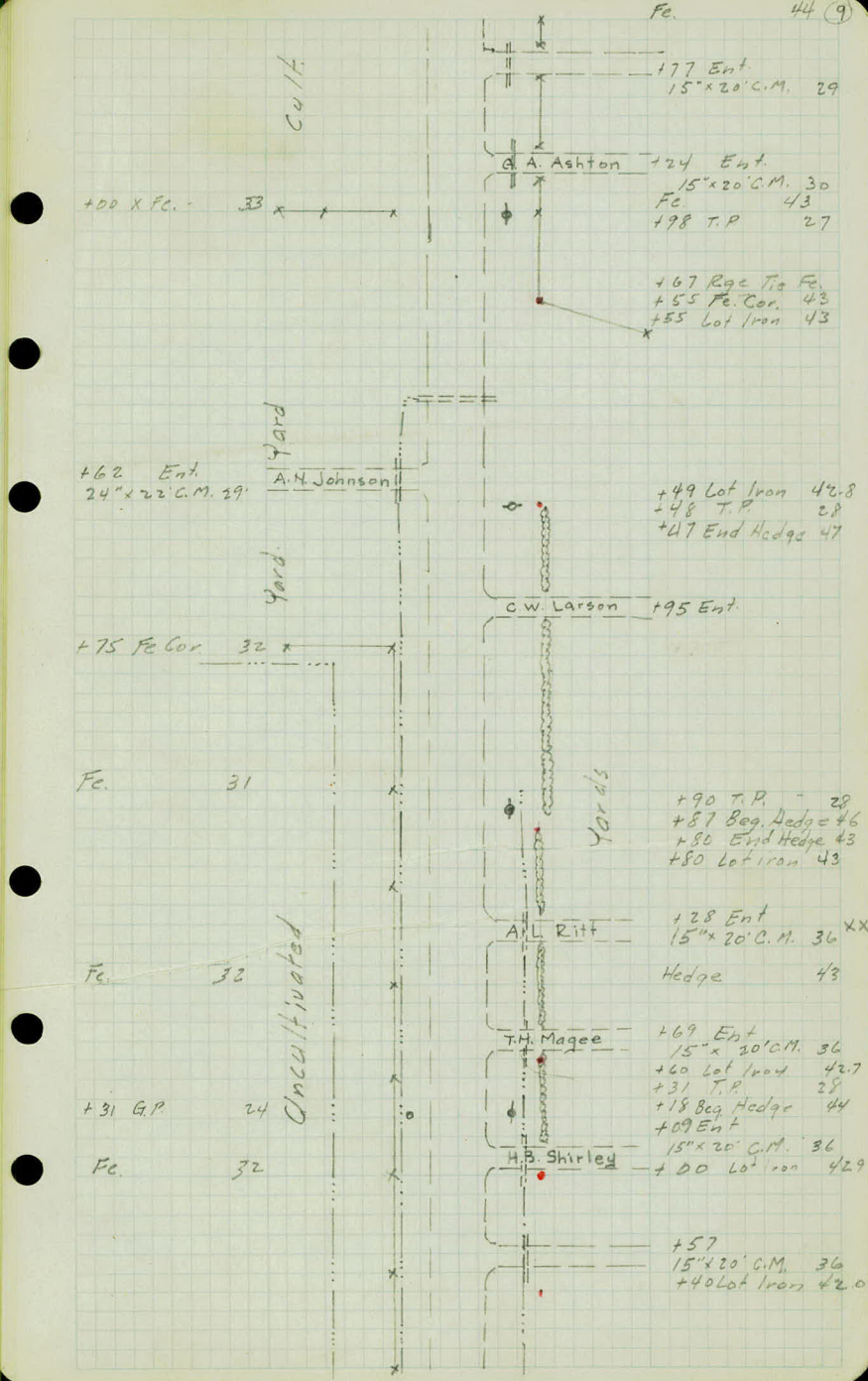
+66 Ditch Con. 65

63 Ditch 29 End Ditch 35

62 Ditch 29. 64 Ditch 37

61 Ditch 29 Ditch 36

60


Cu Lt.
+77 Ent.
15"x20' C.M. 29
G. A. Ashton
+24 Ent.
15"x20' C.M. 30
Fe. 43
+98 T.P. 27
+00 X Fe. 33
+67 Rge Tie Fe.
+55 Fe. Cor. 43
+55 Lot Iron 43
Yard
+62 Ent.
24"x22' C.M. 29
A. H. Johnson
+49 Lot Iron 42.8
+48 T.P. 28
+47 End Hedge 47
Yard
C. W. Larson
+95 Ent.
+75 Fe Cor 32
Fe. 31
+90 T.P. 28
+87 Beg. Hedge 46
+80 End Hedge 43
+80 Lot Iron 43
Yard
+28 Ent
15"x20' C.M. 36
A. L. Ritt
Fe. 32
Hedge 43
Cultivated
+69 Ent
15"x20' C.M. 36
T. H. Magee
+60 Lot Iron 42.7
+31 T.P. 28
+31 G.P. 24
+18 Beg Hedge 44
+09 Ent
15"x20' C.M. 36
Fe. 32
H. B. Shirley
+00 Lot Iron 42.9
+57
15"x20' C.M. 36
+40 Lot Iron 42.0

74

73

72

71

70

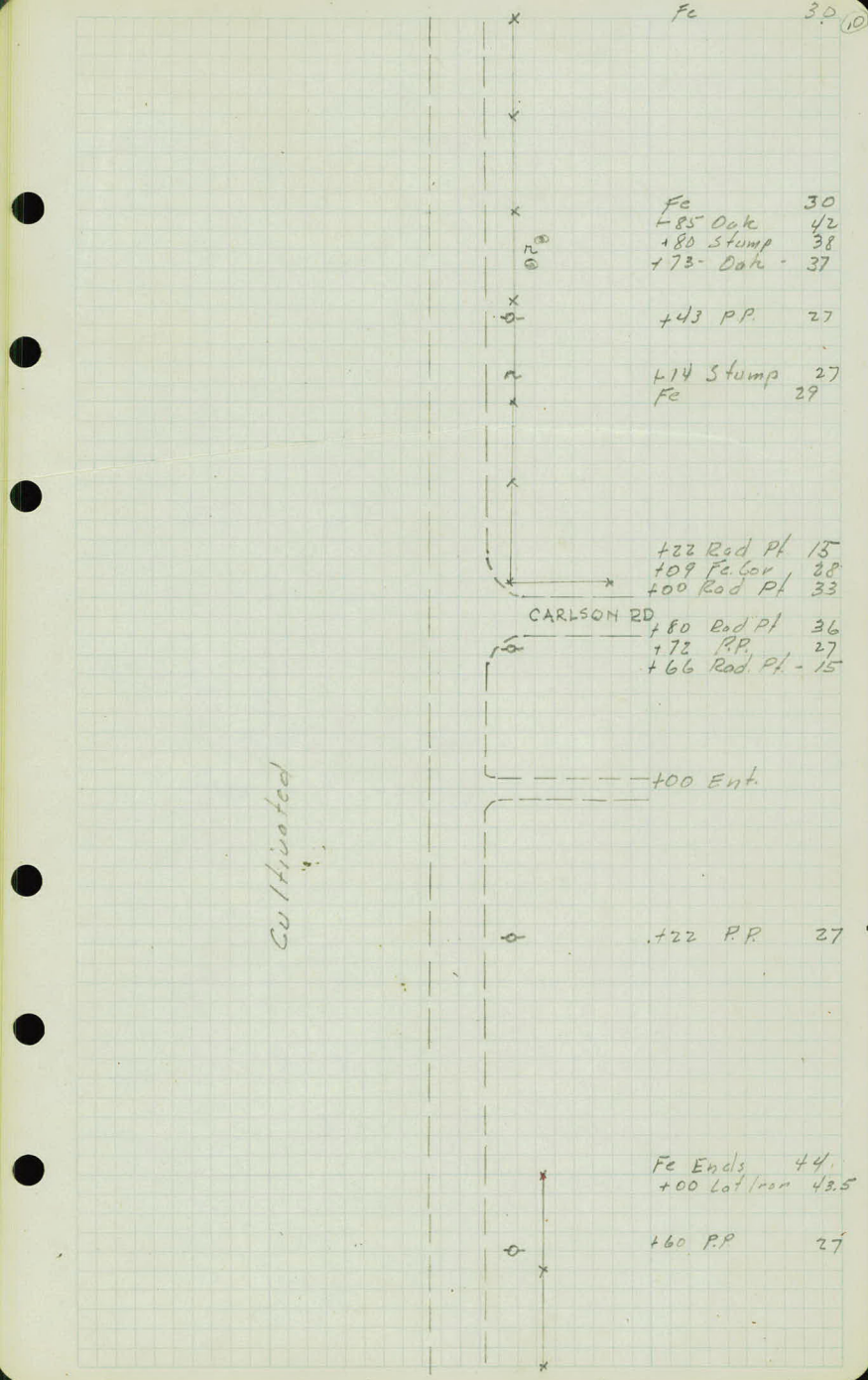
15

15

69

68

67


Fe 3.P. (10)
Fe 30
-85 Oak 42
+80 Stump 38
+73 Oak 37
+43 P.P. 27
-14 Stump 27
Fe 29
+22 Rod Pt 15
+09 Fe. Cor 28
+00 Rod Pt 33
CARLSON RD
+80 Rod Pt 36
+72 P.P. 27
+66 Rod Pt. 15
+00 Ent.
Cultivated
+22 P.P. 27
Fe Ends 44
+00 Lot Iron 43.5
+60 P.P 27

81

80

79

78

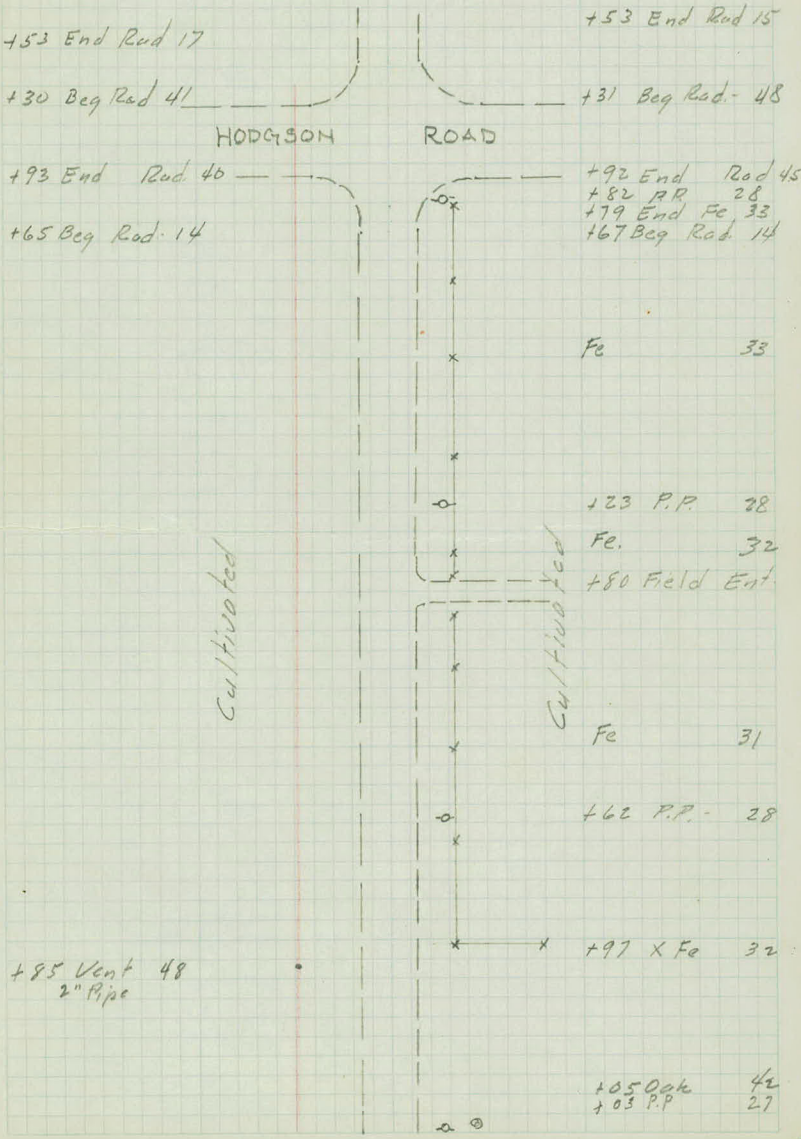
77

76

15 15

75

74


+53 End Rod 17
+30 Beg Rod 41
HODGSON
ROAD
+53 End Rod 15
+31 Beg Rod 48
+93 End Rod 40
+65 Beg Rod 14
+92 End Rod 45
+82 P.P. 28
+79 End Fe. 33
+67 Beg Rod 14
Fe 33
+23 P.P. 28
Fe. 32
+80 Field Ent.
Cultivated
Cultivated
Fe 31
+62 P.P. 28
+97 X Fe 32
+85 Vent 48
2" Pipe
+05 Oak 42
+03 P.P 27

Bench Levels
Co. Rd "I"

Sta.	+	⊼	−	Elev
B.M.	2.30	895.08		892.78
T.P.	6.13	896.32	4.89	890.19
B.M.			3.74	892.58
B.M.	4.73	897.51		892.78
T.P.	4.06	898.07	3.50	894.01
B.M.	3.74	897.54	4.27	893.80
T.P.	5.18	897.67	5.05	892.49
T.P.	5.69	898.14	5.22	892.45
B.M.	7.36	904.26	1.24	896.90
T.P.	8.31	911.84	0.73	903.53
B.M.			1.32	910.52

Top S.E. Cor. Conc. Slab MH. Lt. 36+06

Top Mon Lex. and Co. Rd "I"
Top S.E. Cor. Conc. Slab M.H Lt 36+06

Top S.E. Cor Conc. Slab M.H Lt. 48+34

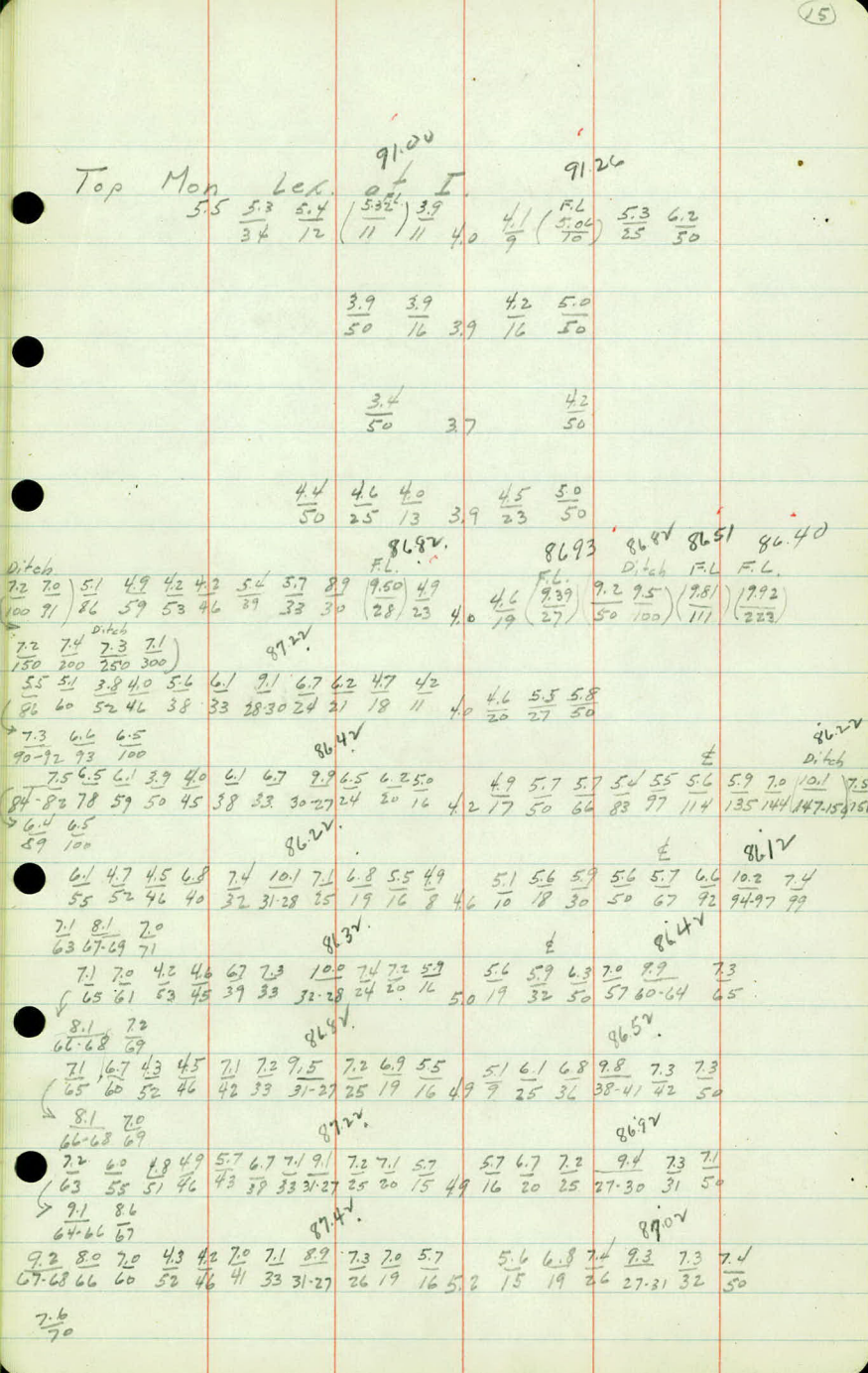
Spike P.P. 27' Rt. 67+60

Top Mon Hodgson Rd and I

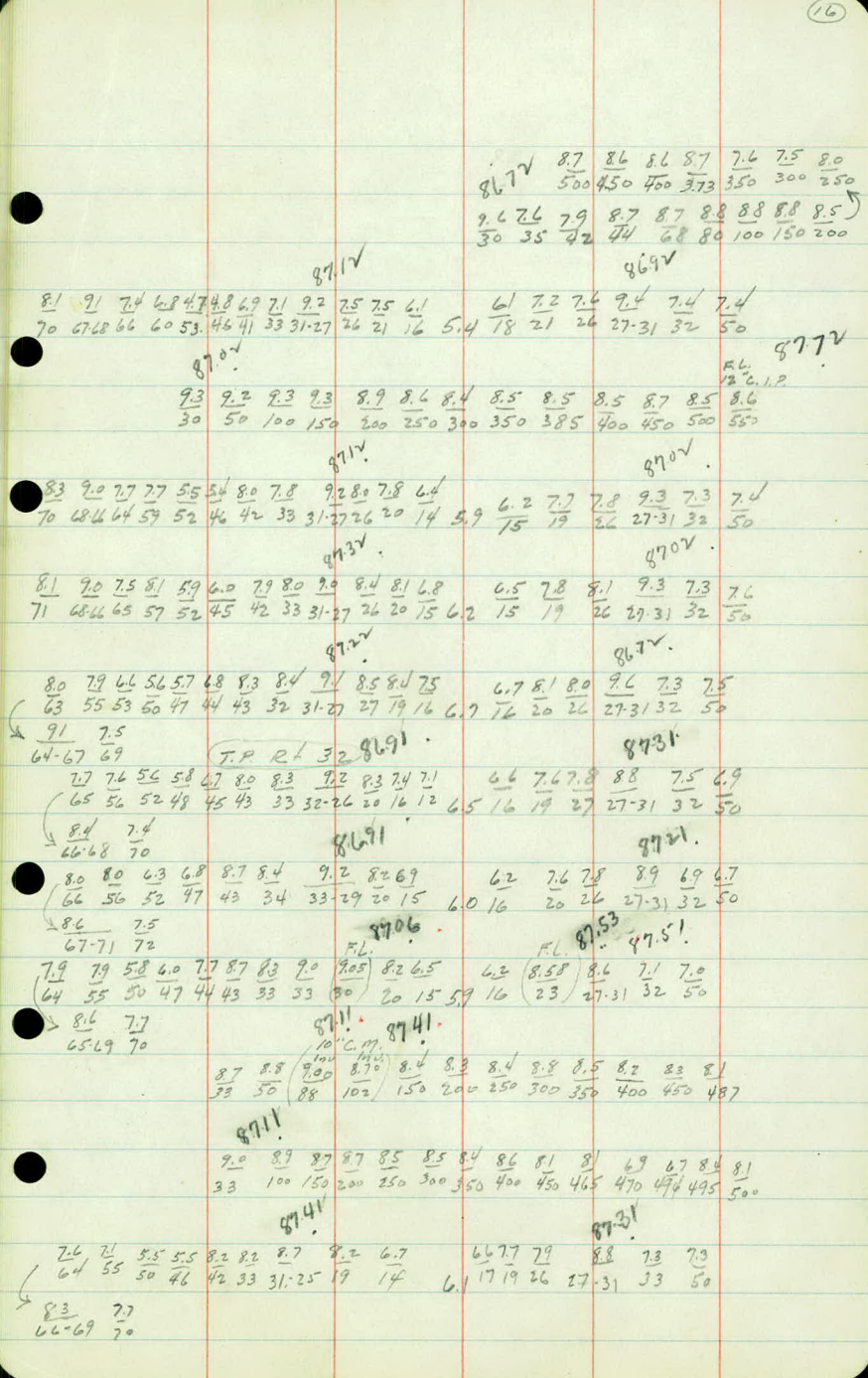
Cross Sections
Co. Rd. I
Lex. to Hodgson.

Sta.	+	℄	−	Elev.
B.M.	3.74	896 .32		8.92.58
26+20	Sec. thru 12°W.P.		4.0	92.3
+26	Shldr Lex		3.9	92.4
+41.25	℄ Lex		3.7	92.6
+69	Shldr Lex		3.9	92.4
+77	Sec. thru 24°C.M.		4.0	92.3
+81			4.0	92.3
27			4.2	92.1
+50			4.6	91.7
28			5.0	91.3
+50			4.9	91.4
29			4.9	91.4
+50			5.2	91.1

Top Mon Lek. 91.00 91.26



Sta	+	H	−	Elev
		896.32		
30	+01	Profile Ditch Rt		
30			5.4	90.9
	+31	Profile Ditch Rt		
	+50		5.9	90.4
31			6.2	90.1
	+50		6.7	89.6
T.P.		5.64 896.11	5.85	890.47
32			6.5	89.6
	+50		6.0	90.1
33		See thru 24 C.M.	5.9	90.2
	+33	Profile Ditch Rt		
	+87	Profile Ditch Rt.		
	+50		6.1	90.0


86.7V
8.7 8.6 8.6 8.7 7.6 7.5 8.0
500 450 400 373 350 300 250
9.6 7.6 7.9 8.7 8.7 8.8 8.8 8.8 8.5
30 35 42 44 68 80 100 150 200
87.1V
8.1 9.1 7.4 6.8 4.7 4.8 6.9 7.1 9.2 7.5 7.5 6.1
70 67 68 66 60 53 46 41 33 31-27 26 21 16 5.4
86.9V
6.1 7.2 7.4 9.4 7.4 7.4
18 21 26 27-31 32 50
87.0V
9.3 9.2 9.3 9.3 8.9 8.6 8.4 8.5 8.5 8.5 8.7 8.5 8.6
30 50 100 150 200 250 300 350 385 400 450 500 550
87.7V
F.L. 12 C. 1.2
87.1V
8.3 9.0 7.7 7.7 5.5 5.4 8.0 7.8 9.2 8.0 7.8 6.4
70 68 66 64 59 52 46 42 33 31-27 26 20 14 5.9
87.0V
6.2 7.7 7.8 9.3 7.3 7.4
15 19 26 27-31 32 50
87.3V
8.1 9.0 7.5 8.1 5.9 6.0 7.9 8.0 9.0 8.4 8.1 6.8
71 68 66 65 57 52 45 42 33 31-27 26 20 15 6.2
87.0V
6.5 7.8 8.1 9.3 7.3 7.6
15 19 26 27-31 32 50
87.2V
8.0 7.9 6.6 5.6 5.7 6.8 8.3 8.4 9.1 8.5 8.0 7.5
63 55 53 50 47 44 43 32 31-27 27 19 16 6.7
91 7.5
64-67 69
87.7V
6.7 8.1 8.0 9.6 7.3 7.5
16 20 26 27-31 32 50
F.P. R.L. 32
87.9!
87.3!
7.7 7.6 5.6 5.8 6.7 8.0 8.3 9.2 8.3 7.4 7.1
65 56 52 48 45 43 33 32-26 20 16 12
6.5
6.6 7.6 7.8 8.8 7.5 6.9
16 19 27 27-31 32 50
8.4 7.4
66-68 70
87.9!
87.2!
8.0 8.0 6.3 6.8 8.7 8.4 9.2 8.2 6.9
66 56 52 47 43 34 33-29 20 15
6.0
6.2 7.6 7.8 8.9 6.9 6.7
16 20 26 27-31 32 50
8.6 7.5
67-71 72
87.0G.
F.L.
87.53
87.5!
7.9 7.9 5.8 6.0 7.7 8.7 8.3 9.0 (9.05) 8.2 6.5
64 55 50 47 44 43 33 33 (30) 20 15 5.9
6.2
(8.58) 8.6 7.1 7.0
16 23 27-31 32 50
8.6 7.7
65-69 70
87.1!
87.4!
10" C.M.
8.7 8.8 (9.00) (8.70) 8.4 8.3 8.4 8.8 8.5 8.2 8.3 8.1
33 50 88 102 150 200 250 300 350 400 450 487
87.1!
9.0 8.9 8.7 8.7 8.5 8.5 8.4 8.6 8.1 8.1 6.9 6.7 8.4 8.1
33 100 150 200 250 300 350 400 450 465 470 474 495 500
87.4!
87.3!
7.6 7.1 5.5 5.5 8.2 8.2 8.7 8.2 6.7
64 55 50 46 42 33 31-25 19 14
6.1
6.6 7.7 7.9 8.8 7.3 7.9
17 19 26 27-31 33 50
8.3 7.7
66-69 70

Sta	+	±	−	Elev.	
		896.11			
34			5.6	90.5	
+50			4.9	91.2	
35			4.6	91.5	
+50			4.6	91.5	
+53	Profile	Ditch Lt			
+78	Profile	Ditch Lt			
+75	Profile	Ditch Rt			
36				91.0	
B.M.	3.34	896.12	3.32	892.79	(892.78)
+50		2	5.2	90.9	
+71	Profile	Ditch	Rt.		
37	Profile	Ditch	Rt		
37			4.9	91.2	

87.51

7.6 8.1 7.1 7.1 7.8 7.4 7.6 8.6 8.2 7.7 6.2
72 67-63 62 56 50-46 40 32 31-27 26 20 15 5.6

87.91

7.4 8.4 7.0 6.9 7.6 7.4 7.5 8.2 7.9 7.3 5.4
67 66-64 62 57 50-46 39 32 31-27 25 21 15 4.9

87.91

7.3 8.3 6.5 6.1 7.6 6.9 7.0 8.2 7.4 7.1 5.2
68 66-63 61 57 52-46 38 32 31-27 26 22 16 4.6

88.00

6.5 6.4 7.6 7.7 6.4 6.5 8.1 7.0 6.5 5.5 4.8
67 52 50 46 38 32 31-27 25 20 18 10 4.6

8.3 7.1
62-64 65

87.44

6.3 7.5 7.5 8.7 7.2 7.0
16 20 26 27-31 32 50

87.24

5.7 6.8 6.8 8.9 7.3 7.0
16 19 26 27-31 33 50

87.24

5.1 5.5 6.6 6.8 8.9 7.1 7.1
11 16 19 26 27-31 32 50

87.5

5.1 5.4 6.4 6.6 8.6 6.8 6.9
12 17 19 26 28-32 33 50

88.08

F.L. 15'(.m) x 16'

7.0 7.3 7.8 8.0 (8.03 8.2 8.1)
250 200 150 100 90 90 64

88.29

F.L.

7.1 7.2 7.6 7.9 (7.82 8.1 7.7)
250 200 150 100 90 90 59

97.61

8.5 8.6 8.8 8.8 9.0 8.8 8.6 8.3
30 50 100 150 200 250 300 331

88.31

6.5 7.5 7.1 4.9 6.3 7.0 7.8 7.4 6.9 5.4
62 61-57 56 50-46 41 33 32-29 27 20 16 5.1

88.42

S.E. Cor. Conc Slab M.H. Lt. 36+06

6.1 7.6 6.8 5.0 6.5 7.0 7.7 7.7 7.2 5.6
63 62-59 55 49-46 42 34 32 28 21 15 5.2

88.07

8.1 8.1 8.1 8.2 7.7 7.5 7.3
30 50 100 150 200 250 300

88.24

7.9 8.0 7.9 8.0 7.7 7.2 6.7
30 41 100 150 200 250 275

88.47

6.9 7.6 7.1 5.1 7.1 7.3 7.7 7.4 7.0 5.2
62 61-56 55-53 50-46 42 32 31-27 26 20 16 4.9

97.61

5.7 6.8 7.2 8.5 6.8 7.0
16 20 26 27-31 32 50

88.07

5.8 6.9 7.2 8.1 7.0 7.2
16 20 27 28-32 33 50

88.07

5.4 6.4 7.2 8.1 6.5 7.2
16 20 27 28-33 34 50

Sta.	+	⊼	−	Elev.
		896.12		
37+50			4.4	91.7
38			4.1	92.0
+50			3.7	92.4
39			3.2	92.9
+50			3.1	93.0
40			2.8	93.3
+50			2.5	93.6
41			2.4	93.7
T.P.	5.92	898.32	3.72	892.40
+50			4.6	93.7
42			4.9	93.4
+50			4.9	93.4
43			4.9	93.4

6.8
60

883✓.

7.6 7.2 4.8 7.3 7.2 7.8 7.0 6.6 5.0 5.1 6.3 7.0 7.8 6.8 6.8
58 55 54 50 47 43 33 32 27 26 21 16 4.4 16 20 27 28-32 32 60

883✓.

88.8✓.

6.5 7.5 6.9 6.1 4.8 4.2 6.6 6.8 7.3 6.6 6.0 4.5 4.7 6.0 6.5 7.5 6.6 6.6
61 60 57 56 53 50 48 41 32 31 27 26 19 15 4.1 15 20 27 28-32 33 50

88.6✓.

888✓.

6.4 7.3 6.8 4.0 5.7 6.3 7.3 5.9 5.3 4.0 4.4 5.6 6.1 7.5 6.3 5.5 6.4 6.5
61 60 58 57 56 47 41 33 32 28 27 19 15 3.7 15 19 27 28 32 32 33 38 50

88.6✓.

888✓ 886
FL. 24" X Cu Lb.

89.7✓
FL. 24" C.M. 89.2✓

6.6 7.2 6.8 3.6 6.0 6.2 7.3 7.49 5.5 5.0 3.5 4.0 4.5 4.8 7.3 6 5.8 6.9 5.0 5.9 6.1
61 60 57 55 50 45 40 33 32 28 29 25 20 15 32 17 18 22 23 26 28-32 33 36 37 50

End Ditch

890✓.

5.3 5.6 5.1 3.5 5.8 5.9 7.1 5.2 4.8 3.5 3.8 4.6 5.0 6.9 5.8 4.7
60 58 57 56 50 46 39 32 31 27 25 19 16 3.1 16 19 27 28-32 33 50

897✓.

897✓.

3.3 4.1 3.9 6.3 5.2 4.8 3.2 3.5 4.5 5.1 7.0 5.7 4.7 3.8
50 41 33 31 27 24 20 16 2.8 15 20 27 28-32 33 41 50

89.1✓.

90.1✓.

2.1 2.3 6.0 4.9 4.5 2.9 3.0 4.4 4.8 6.5 4.8 5.0
50 33 30-26 23 20 15 2.5 15 20 26 27-31 33 50

89.6✓.

894✓.

2.1 2.7 5.5 4.7 5.7 4.2 2.5 3.0 3.8 6.5 4.5 4.2
50 34 30 29-26 25 20 17 2.4 15 26 27-31 33 50

89.2✓.

899✓.

9.0 6.0 8.2 7.7 7.2 8.4 6.9 6.5 5.0 5.5 6.4 7.0 8.0 8.6 7.6 8.4 8.0
56 50 47 41 34 32 31 27 25 20 16 4.6 17 20 26 28 29-32 34-39 41 50

897✓.

887✓ 900✓

898✓.

8.8 7.3 8.2 8.6 9.6 8.8 8.3 8.2 7.6 7.4 5.5 5.6 7.1 7.2 8.1 8.5 7.4 7.9 8.6 9.1
56 53 48 46 43 42 39 33 31 27 25 20 17 4.9 16 20 25 27 28 32 34 38 40 50

897✓.

897✓.

9.0 7.0 9.5 8.9 8.0 8.4 7.5 6.9 5.5 5.3 7.1 7.9 8.6 7.7 8.5 8.1
56 52 47 43 35 34 33 32 28 27 20 17 4.9 14 20 27 28-32 34-37 38 50

897✓.

904✓.

7.1 6.9 8.6 8.6 8.3 8.2 7.2 7.0 5.3 5.3 6.9 7.6 7.9 6.6 6.9 6.2
56 52 48 42 38 33 28 26 20 16 4.9 15 20 27 28-32 33-36 37 50

Sta.	+	℄	−	Elev.	
		898.32.			
43+50			4.6	93.7	
44			4.6	93.7	
B.M.	4.24	898.04	4.50	893.82	893.80
+50			4.3	93.7	
45			4.4	93.6	
+50			4.5	93.5	
46			4.5	93.5	
+50			4.4	93.6	
47			4.5	93.5	
+50			4.5	93.5	
48			4.5	93.5	
+20	Sec. thru	24"x52" CMP	4.6	93.4	
+50			4.6	93.4	

90.3

6.6	5.6	7.1	6.5	8.0	6.8	6.5	5.0		4.9	4.7	7.8		4.6	2.5
54	50-48	41	32	31-27	25	20	16	4.6	17	19	23-26		29	50

90.5

4.9	4.7	7.8		4.6	2.5									
17	19	23-26		29	50									

90.6

41	7.1	6.1	7.8	6.8	6.5	4.9								
50-47	36-34	33-32	31-27	24	20	16	4.6							

91.1

4.6	7.2	4.2	+4.0	+0.7										
17	21-24	28	34	50										

90.44

Top S.E. Cor. Conc. Slab

3.9	4.1	7.0	5.7	7.4	6.4	6.1	4.8							
50	42	37-35	34-32	31-27	25	19	16	4.3						

91.64

M.H. Ct. 48+34

4.6	6.5	+3.0	+3.0											
12	19	23	33	50										

90.64

4.2	4.8	7.0	6.4	7.4	6.6	6.1	4.9							
50	43	36-34	33-32	31-28	25	19	16	4.4						

91.94

4.8	6.1	+2.0	+2.0											
16	20-24	34	50											

90.54

4.0	3.9	6.7	7.5	6.8	6.4	4.8								
50	47	33	32-28	27	20	16	4.5							

91.74

4.6	6.3	1.2	0.4											
18	21-24	31	50											

90.84

5.6	4.2	6.7	6.8	7.7	6.8	6.3	4.9							
58	50	36	33	32-28	27	20	16	4.5						

91.14

4.7	6.9		3.6	2.3										
17	20-23		29	50										

90.14

7.0	4.6	6.1	7.2	7.4	7.9	6.7	6.4	5.2						
63	50-47	41	35	33	32-28	26	21	16	4.4					

91.44

4.9	6.6	5.0	5.0											
16	20-25	29	50											

89.24

7.5	5.4	8.6	8.8	8.3	8.0	6.9	6.5	5.0						
59	52-48	39	34	33	28	26	20	15	4.5					

90.54

4.9	7.5		5.0	4.6										
15	20-25		29	50										

89.54

7.7	5.4	7.5	7.5	8.5	6.9	6.6	5.0							
55	50-47	40	33	32-29	26	21	15	4.5						

90.74

5.1	7.3		5.0	5.1										
15	20-25		27	50										

89.64

8.7	6.4	8.7	8.5	8.2	8.4	7.1	6.7	5.1						
56	51-48	41	34	33-32	31-28	27	22	15	4.5					

90.0

5.2	8.0		6.5		5.9									
16	20-24		25		50									

89.20

89.54

89.74

89.72

F.L.

6.1	9.0	8.84	8.9	8.0	8.5	6.8	6.3	4.9						
51-47	42	28	35	34-33	32-28	27	20	15	4.6					

F.L.

5.3	6.8	8.3	8.32	6.9	6.8									
15	22	24-27	24	30	50									

8.7
61

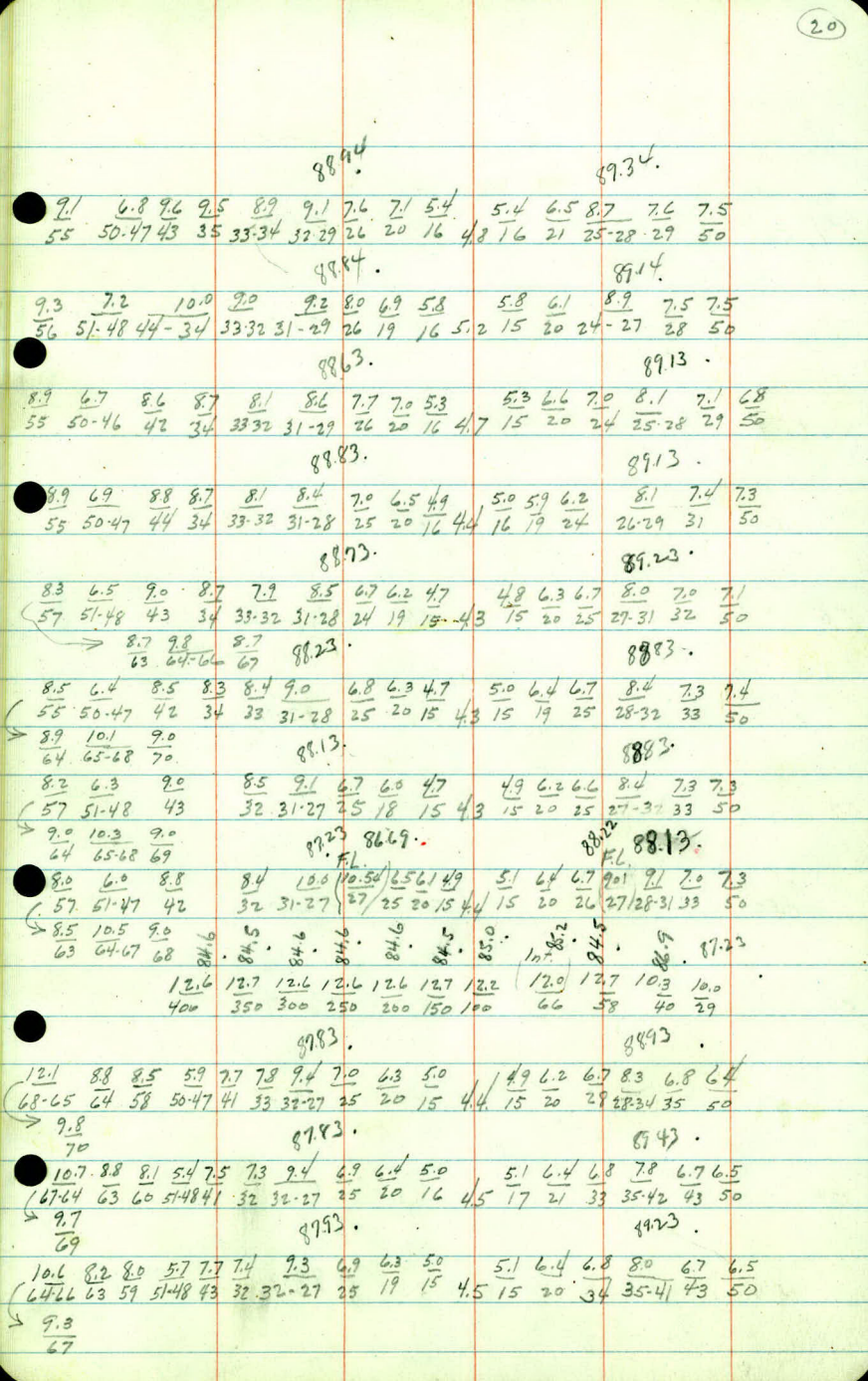
89.24

89.74

8.8	6.3	9.3	9.4	8.7	8.8	7.3	6.5	5.0						
59	51-47	41	34	33-32	31-29	27	20	14	4.6					

5.2	5.5		8.3		7.5	7.1								
15	20		25-28		30	50								

Sta.	+	⊼	−	Elev.
		898.04		
49			4.8	93.2
+50			5.2	92.8
T.P.	3.43	897.23	4.24	893.80
50			4.7	92.5
+50			4.4	92.8
51			4.3	92.9
+50			4.3	92.9
52			4.3	92.9
+45	Sec. thru 24"x54" C.M.		4.4	92.8
+77	Profile Ditch Lt.			
	Water Level 5/27/40		5.80	91.43
53			4.4	92.8
+50			4.5	92.7
54			4.5	92.7


88.94
89.34
88.84
89.14
88.63
89.13
88.83
89.13
88.73
89.23
88.23
8883
88.13
8883
88.23
86.69
88.22
88.13
87.23
97.83
8943
87.83
8943
87.93
89.23

Sta.	+	℄	−	Elev.
		897.23		
54+50			4.5	92.7
55			4.6	92.6
+21	Sec. thru.	24"×48" C.M.	4.7	92.5
+50			4.6	92.6
56			4.6	92.6
T.P.	5.99	898.14	5.08	892.15
+50			5.7	92.4
57			5.9	92.2
+50			5.7	92.4
58			5.2	92.9
+50			4.9	93.2
59			4.8	93.3
+50			5.0	93.1

8.6 / 66

88.23.

10.6 8.1 8.0 5.5 7.5 7.6 9.0 6.8 6.3 4.9
65-62 62 58 50-47 41 33 32-27 26 19 16 4.5

8893.

5.0 6.3 6.9 8.3 7.1 6.8
16 19 33 35-41 42 50

8783.

8.1 10.3 8.4 8.0 5.8 8.2 7.7 9.4 6.8 6.4 5.0
69 67-64 63 57 51-48 42 33 33-27 25 20 16 4.6

8843.

5.1 6.7 7.3 8.8 7.4 7.2
16 20 33 35-42 43 50

F.L. 8799

88.03

8.1 9.7 8.3 8.2 5.8 8.0 7.7 9.2 9.24 6.6 6.1 5.8 5.2
67 65-62 61 58 50-47 42 33 33-27 26 25 22 18 16 4.7

F.L. 8796 88.13.

5.2 6.1 9.28 9.1 8.7 7.4 7.4
15 22 23 34 42 43 50

88.33.

9.6 9.5 8.0 7.7 5.8 8.2 7.6 9.0 6.9 6.6 5.2
67 65-62 61 55 50-47 42 33 32-27 26 20 17 4.6

88.53.

5.2 6.7 7.1 8.7 7.7 7.9
16 20 33 35-42 43 50

88.33.

8.2 9.2 8.3 8.2 5.8 7.7 7.6 8.9 7.0 6.3 5.1
65 64-62 61 56 50-47 43 33 32-28 26 20 16 4.6

88.43.

5.0 6.3 7.2 8.8 7.3 7.4
15 19 33 35-42 43 50

Spike T.P. R.F. 56

8864.

9.2 9.2 9.1 8.7 7.3 7.0 9.4 9.0 8.5 8.0 7.5 6.2
68 67-62 61 55 51 47 44 33 32-28 26 20 16 5.7

8884.

6.4 7.4 8.3 9.3 8.3 8.0
15 20 33 34-42 44 50

8844.

9.5 9.9 9.3 9.0 7.3 7.2 9.3 9.0 9.7 9.0 7.8 6.4
65 64-59 58 55 51 47 42 32 31-28 27 19 16 5.9

8874.

6.5 7.8 8.3 9.4 8.2 8.3
17 20 34 35-42 43 50

8884.

9.1 10.0 9.0 9.1 7.4 7.1 9.1 8.9 9.3 8.1 7.9 6.2
67 66-61 60 55 51 46 42 32 31-27 25 20 15 5.7

8894.

6.3 7.6 7.9 9.2 8.3 8.2
16 19 34 36-42 43 50

88.74.

9.1 9.9 9.1 9.0 6.4 6.3 8.2 8.0 9.4 7.4 7.2 5.7
69 68-64 63 59 53 48 42 32 31-28 26 20 16 5.2

8914.

5.6 7.1 7.5 9.0 7.7 7.2
16 19 34 36-42 43 50

8854.

88.24.

9.1 9.9 8.5 8.3 5.6 5.5 7.5 8.0 9.2 7.1 6.6 5.3
70 69-65 64 61 52 46 42 32 31-28 26 19 16 4.9

5.5 7.0 7.3 8.9 7.4 7.5
16 19 34 36-42 43 50

8814.

8897.

8.6 9.6 8.6 8.2 5.6 5.6 7.7 7.7 9.0 6.9 6.5 5.2
69 68-64 63 59 51 46 42 32 31-28 25 19 15 4.8

5.6 6.9 7.4 9.2 7.9 7.9
16 20 34 37-41 42 50

8814.

8897.

8.8 9.4 8.6 8.7 5.8 5.7 7.9 7.9 9.0 7.5 7.2 5.5
68 67-63 62 59 51 46 42 32 31-28 26 21 17 5.0

5.8 6.9 7.6 9.2 7.9 8.0
16 19 34 35-42 43 50

Sta.	+	℄	−	Elev.
		898.14.		
60	24" × 44' C.M.		5.4	92.7
T.P.	7.30	898.41	7.03	891.11
+50			5.9	92.5
61			5.9	92.5
+50			5.8	92.6
62			5.5	92.9
+50			5.4	93.0
63			5.2	93.2
+50			5.2	93.2
64			5.0	93.4
T.P.	11.04	902.59	6.86	891.55
+50			9.0	93.6
65			8.9	93.7
+06	24" × 40' C.M.		8.9	93.7

9.1 8.3
68-62 69

89.24

89.01.

F.L.
8.3 8.4 5.7 5.7 8.0 7.9 8.9 7.7 (9.13) 7.1 6.0
61 58 51 46 41 32 31-27 26 (23) 21 17 5.4

S 89.44.

6.0 6.9 8.0 8.7 7.3 8.0 8.0
16 21 33 34-42 43 47 50

88.97
F.L.
(9.22)
21

89.41.

Top 24' C.M. 23 Ll. 60

8.6 9.0 8.7 7.4 5.9 6.0 9.2 8.3 9.0 8.2 7.8 6.3
67 66-62 60 56 51 47 42 33 32-28 27 20 17 5.9

89.31.

6.6 7.8 8.2 9.1 8.0 8.3
17 20 33 34-41 42 50

89.24

8.5 9.2 8.6 8.1 5.5 8.2 8.2 9.2 8.2 7.9 6.1
68 67-63 62 59 52 42 32 31-28 27 19 16 5.9

89.61.

6.6 7.6 8.1 8.8 7.8 8.0
17 20 34 35-42 43 50

89.51.

8.6 9.1 8.4 5.9 5.4 8.3 8.3 8.9 7.8 7.7 7.1 6.0
66 64-60 59 53 48 42 33 32-28 26 21 19 16 5.8

8961.

6.5 7.6 8.0 8.8 8.1 8.2
17 20 33 34-42 43 50

89.21.

8.5 9.1 8.7 7.0 5.6 5.5 7.6 8.0 9.2 7.7 7.4 5.8
67 65-61 60 57 51 48 43 32 31-28 26 19 16 5.5

89.81.

6.2 7.3 8.0 8.6 8.3 7.8
16 19 33 34-36 37 50

89.41.

8.6 9.1 8.0 7.4 4.7 4.8 7.0 7.4 9.0 7.2 7.1 5.6
69 67-63 62 60 52 47 42 32 31-28 25 21 16 5.4

89.91.

6.0 7.0 8.5 7.9 7.7
15 29 35-36 37 50

89.41.

8.3 8.8 8.3 7.1 5.2 5.5 7.4 8.1 9.0 ~~7.5~~ 7.2 5.6
69 68-64 63 59 52 46 42 32 31-27 25 19 16 5.2

90.71

6.1 6.9 7.7 7.4 7.2 7.1
16 20 32 41 42 50

89.51.

8.3 8.8 7.8 6.2 4.9 5.1 7.2 8.1 8.9 7.3 6.8 5.8
69 67-63 61 56 51 46 41-32 31-27 26 19 16 5.2

91.61.

5.7 6.8 6.8 5.2 4.8
16 22 38 43 50

89.81.

5.8 5.8 8.6 5.3
50 38 -31-27 17 5.0

92.71.

5.2 5.6 5.7 5.3 4.6 4.1
9 20 33 41 44 50

Top 24" C.M. LL. 65+10 < 90.39.

9.7 9.6 12.0 12.2 9.7
50 39 32 30-27 19 9.0

91.59.

9.6 10.4 10.6 10.0 8.8
16 25 31 43 50

90.59.

9.0 9.5 12.0 9.6
50 38 30-26 18 8.9

91.19

9.7 11.4 10.1 8.6 8.6
17 31 42 48 50

89.48.

F.L.
9.0 9.4 12.3 (13.11) 12.3 9.3
50 37 26 (20) 21 16 8.9

89.79.

F.L.
9.7 12.5 (12.80) 11.2 9.9 8.7
16 20 (20) 32 44 50

Sta.	+	H	−	Elev.
		902.59 ·		
65 +50			8.6	94.0 ·
66			7.9	94.7 ·
+50			7.2	95.4 ·
67			6.5	96.2 ·
+50			5.6	97.0 ·
B.M.	11.06	907.96.	5.70	896.89 · (89699 ·
68			10.2	97.8 ·
+50			9.4	98.6 ·
69			8.8	99.2 ·
+50			8.3	99.7 ·
70			7.8	00.2 ·
+50			7.3	00.7 ·
+90 Profile of CARLSON RD.				
71			6.8	01.2 ·

92.49

8.4 8.6 10.0 10.1 8.9
50 36 29 24 15 8.6

92.99

7.9 7.9 9.6 9.4 8.2
50 33 27 21 15 7.9

93.29

6.0 6.6 9.3 9.2 7.4
50 33 27 20 16 7.2

94.19

5.9 6.0 8.4 8.4 6.5
50 33 28 21 16 6.4

94.79

5.6 6.1 7.8 7.7 6.0
50 32 27 20 16 5.6

Spike P.P. 27' Lt. 67+60 96.66

9.0 10.7 10.8 12.3 12.0 10.8
50 42 32 29 19 16 10.2

96.16

7.1 9.3 9.4 11.1 11.8 11.6 9.9
50 41 33 29 26 21 16 9.4

96.96

6.2 8.1 8.8 10.9 11.0 9.3
50 40 32 27 21 16 8.8

97.46

6.2 6.7 8.2 8.6 10.4 10.5 8.8
50 45 40 32 28 20 16 8.3

99.26

6.1 6.3 7.6 7.9 9.7 9.6 8.6
50 43 38 32 28 19 17 7.8

98.76

5.6 5.6 7.0 7.3 9.2 9.2 7.6
50 45 38 33 29 20 16 7.3

6.8 7.4 8.5 8.7 8.6 8.7 8.9 9.3 9.6
0 21 46 75 100 128 150 180 200

5.4 5.4 6.7 6.6 9.0 8.8 7.0 7.0 9.0 9.4 10.0
50 44 37 33 28 20 15 6.8 14 21 28 50

98.96

97.19

9.1 10.4 10.4 9.8 8.5
17 28 32 42 50

93.09

8.2 9.5 9.6 8.4 8.4
15 24 35 43 50

93.99

7.6 8.4 8.5 6.1 4.6
16 20 37 43 50

94.49

6.9 8.1 7.7 3.2 2.7
16 20 34 43 50

95.19

5.8 7.3 7.4 1.3 0.7
16 21 32 43 50

96.06

10.3 11.6 11.9 4.2 3.7
16 20 27 43 50

96.66

9.5 11.3 11.1 3.8 3.4
16 20 28 42 50

97.06

8.9 10.9 10.7 3.3 3.1
15 21 30 43 50

97.96

8.4 9.9 10.0 3.8 3.8
15 20 31 43 50

98.96

7.8 9.9 9.8 5.3 5.1
15 20 30 41 50

99.26

7.4 8.4 8.7 8.5 7.3 7.5
17 20 31 40 43 50

99.56

Sta.	+	⏊	−	Elev.	
		907.96.			
71+50			6.1	01.9 ·	
72			5.4	02.6 ·	
+50			4.7	03.3 ·	
T.P.	12.25	916.25 ·	3.96	90400 ·	
73			12.3	04.0 ·	
+50			11.6	04.7 ·	X
74			10.9	05.4 ·	
+50			10.2	06.1 ·	
75			9.6	06.7 ·	
+50			9.2	07.1 ·	
76			9.0	07.3 ·	
+50			8.6	07.7 ·	
77			8.1	08.2 ·	

99.6L

5.2 4.4 4.3 5.7 6.2 8.3 6.7
50 48 43 37 33 27-19 15 6.1

6.6
16

98.7L

9.2 9.9 10.0
23 29 50

97.9L

00.5L

3.8 3.5 4.6 5.0 7.4 7.2 5.8
50 43 37 33 28 20 16 5.4

00.1L

5.9 7.7 7.8 8.6 9.2
16 22 29 32 50

98.7L

00.9L

2.8 2.8 4.2 4.7 7.0 6.9 5.0
50 44 40 34 28 21 16 4.7

00.7L

5.2 7.2 7.2 6.2 7.2
16 21 27 30 50

01.6S

10.6 10.8 12.0 12.4 13.6 14.6 14.0 12.7
50 45 39 34 29 23 18 15 12.3

01.6S

12.6 14.3 14.6 14.0 12.0 12.1
12 24 30 34 42 50

02.5S

9.2 10.0 11.5 11.8 13.7 13.7 12.1
50 43 37 33 29 19 14 11.6

02.3S

12.0 13.9 13.9 13.6 10.0 10.0
15 21 24 37 42 50

03.4S

7.7 8.2 8.4 10.5 12.8 12.8 11.4
50 48 45 33 27 20 14 10.9

02.9S

11.5 13.1 13.3 11.9 7.8 7.7
15 21 30 36 45 50

04.5S

6.2 7.7 9.9 11.8 11.7 10.7
50 42 32 27 18 14 10.2

03.6S

10.6 11.9 12.6 12.0 11.5 5.7 5.7
16 19 25 28 33 46 50

04.9S

5.0 7.6 9.0 11.3 10.9 10.2
50 41 33 24 18 13 9.6

04.7S

9.8 11.5 11.5 11.2 10.1 4.2 4.3
16 22 27 31 35 45 50

05.2S

6.4 8.9 9.1 10.9 11.0 9.6
50 37 33 28 22 14 9.2

05.2S

9.8 10.8 11.0 10.0 6.6 6.8
16 20 29 33 43 50

05.4S

6.7 8.4 9.2 10.8 10.5 9.4
50 42 33 27 18 14 9.0

05.5S

9.3 10.4 10.7 9.8 7.7 8.1
16 20 30 32 40 50

05.7S

6.9 8.1 8.8 10.5 10.5 8.9
50 39 32 27 21 15 8.6

05.8S

8.6 10.3 10.4 9.2 9.0
16 22 31 36 50

06.1S

8.3 8.2 8.2 10.1 10.1 8.2
50 42 31 26 21 15 8.1

05.7S

8.6 10.0 10.5 10.9 10.8
16 20 31 36 50

Sta.	+	℄	−	Elev.
		916 25.		
77+50			7.9	08.4
78			7.5	08.8
+50			6.8	09.5
+80			6.2	10.10
+86	Ditch		6.1	10.2
+92	Ditch		6.0	10.3
+96	Shoulder		5.9	10.4
79+12.05	℄ Hodgson		5.7	10.6
B.M.			5.72	910.53 – 910.52

06.10'

9.6	9.1	10.2	10.0	8.1		
50	32	29	22	16	7.9	

04.05'

8.2	12.2	12.0	10.7	10.8
15	24	28	32	50

06.65'

9.6	8.9	9.6	9.4	8.1		
50	31	28	21	15	7.5	

04.65'

8.0	11.1	11.6	10.0	10.4
14	23	30	33	50

07.65'

7.9	7.2	6.8	8.3	8.6	7.2	
50	43	31	28	21	16	6.8

05.3'

7.1	10.8	11.0	9.8	10.0
16	25	29	33	50

09.55'

6.5	6.3	7.6	7.7	6.6	6.5	
50	33	29	24	21	11	6.2

07.35'

7.0	8.4	8.9	8.6	8.0
17	24	40	43	50

08.55'

8.3	7.7	6.9	6.4		
50	29	23	11	6.1	

07.65'

8.6	8.2	8.6	8.4
9	25	28	50

08.55'

8.1	7.7	6.9	6.3		
50	37	29	12	6.0	

07.60'

8.6	8.2	8.6	8.4
9	27	32	50

6.8	6.6	6.2		
50	32	16	5.9	

6.2	6.8	6.4
14	31	50

6.0		
50	5.7	

5.7
50

Top Mon. Hodgson Rd and I

Inverts on Ent. Culvs.
also Syphon Invs.

Co. Rd. I
Lexington to
Hodgson Rd.

Sta.	+	π	-	Elev.
B.M.	2.06	894.84		892.78
28+98 — 15" Syphon Lt				
30+00 } 15" C.M Rt.				
+30 }				
33+65 } 15" C.M. Rt.				
+85 }				
35+55 } 15" C.M Lt.				
+75 }				
T.P.	5.36	898.14.	2.06	892.78.
36+70 } 15" C.M. Rt				
37+00 }				
38+66 } 15" C.M. Rt.				
38+96 }				
39+30 } 15" C.M. Rt				
+68 }				
40 +71 } 15" C.M. Rt				
41 +09 }				
40+69 } 30" C.M Lt				
41+15 } 30" V.P				

Lt. ℄ Rt.

Top S.E. Cor Conc. Slab M.H. Lt. 36+06

7.50 87.34 (56) 7.66 87.18 (39)

7.76 87.08

7.77 87.07

7.44 87.40

7.21 87.63

7.15 87.69

6.89 87.95

10.07 88.07

9.96 88.18

9.36 88.78

9.36 88.78

9.12 89.02

9.26 88.88

8.74 89.40

8.79 89.35

9.13 89.01

8.82 89.32

Sta.	+	⊼	-	Elev.
		898.14.		
41+32 to +52	15" C.M. Rt.			
43+01 to +24	15" Conc. / 15" C.M.	Rt.		
43+46 to +69	15" Conc. / 12" C.M	Rt.		
44+02 to +22	15" C.M. Rt.			
B.M.	3.61	897.41.	4.34	893.80.
45+50 to +70	15" C.M. Rt.			
45+92 to +12	15" C.M Rt.			
46+59 to +79	15" C.M. Rt.			
47+95 to 48+15	15" C.M. Rt			
48+41 to 48+61	15" x 20' C.M. Rt			

Lt.	℄	Rt
		8.39 89.75
		8.99 89.15
		7.96 90.18
		8.12 90.02
		8.30 89.84
		7.65 90.49
		7.85 90.29
		7.35 90.79
		5.84 91.57
		6.06 91.35
		6.26 91.15
		6.24 91.17
		6.09 91.32
		6.81 90.60
		7.35 90.06
		7.76 89.65
		7.84 90.03
		7.79 90.35

Sta.	+	H	-	Elev.
		897.41.		
49+04		12" C.I.P. Rt.		
+48		15" C.M.		
49+56		15" C.M. Rt.		
+88				
50+31		15" C.M. Rt.		
+51				
52+62		15" C.M. Rt.		
+82				
52+77		Syphon Lt 15" C.M.		
T.P.	4.62	897.38.	4.65	892.76.
53+26		15" C.M. Rt.		
+46				
54+38		12" C.M. Rt.		
+58				
55+00		12" C.M. Rt.		
+20				
55+62		12" C.M. Rt.		
+82				

L	E	Rf.
		8.06 89.35
		8.18 89.23
		8.35 89.06
		8.25 89.16
		8.15 89.26
		8.45 88.96
		8.78 88.63
		8.83 88.58
86.69	87.57	
10.72	9.84	
58	40	
		8.12 89.26
		8.31 89.07
		8.45 88.93
		8.51 88.87
		8.92 88.46
		9.36 88.02
		9.06 88.32
		9.08 88.30

Sta.	+	℄	−	Elev.
		897.38.		
56 + 15 } 15" C.M. Rt. + 35				
56 + 82 } 12" C.M. Rt. 57 + 02				
58 + 00 } 15" C.M. Rt. + 20				
59 + 24 } 15" C.M. Rt. + 44				
60 + 47 } 15" C.M. Rt. + 67				
T.P.	7.81	900.06	5.13	892.25
60 + 99 } 15" C.M. Rt. 61 + 19				
61 + 59 } 15" C.M. Rt. + 79				
62 + 18 } 15" C.M. Rt. + 38				

Lt.	E	Rt.
		9.06 88.32
		9.01 88.37
		8.94 88.44
		8.79 88.59
		8.56 88.82
		8.56 88.82
		8.31 89.07
		8.30 89.08
		8.07 89.31
		8.01 89.37
		10.65 89.41
		10.52 89.54
		10.76 89.30
		10.79 89.27
		10.52 89.54
		10.41 89.65

900.06

64+51 } 24" x 22' C.M. Lt.
+73 }

66+14 } 15" x 20' C.M. Rt.
+34 }

66+67 } 15" x 20' C.M. Rt.
+87 }

B.M. 3.09 896.97 (896.90)

Lt.	℄	Rt.
10.64 89.47		
10.50 89.52		
		7.24 92.82
		6.72 93.34
		6.19 93.87
		5.61 94.45

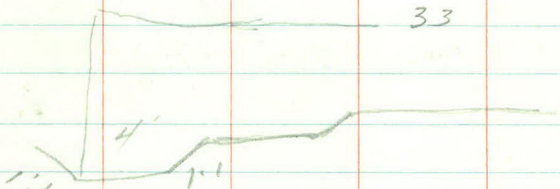
Spike P.R. 27' Rt 67+60

Slope Stakes

Co Rd "I"

From Sta 37+00 To 63+00

Typical Section



41+12 to 63+00 Lt

B.T. To Grade

43+20 to 48+00 Rt

Sta	+	±	−	Elev	Ditch Grade W
BM.	3.70	896.48		892.78	
37				88.3	
+50				88.45	
38				88.6	
+50				88.75	
39				88.9	
+50				89.05	
40				89.2	
+50				89.35	
	4.82	898.65	2.65	893.83	
41+17				89.5	+17 89.46
+50				89.65	89.3
42				89.8	89.1
+50				89.95	88.9

	Lt.	℄	Rt
Gr Rod			
Top S.E Cor Conc. M.H. Slab 45' Lt Sta 36+06			
8.18			B.T.
8.03			B.T
7.88			B.T
7.73			BT
7.58			B.T
7.43			BT
7.28			B.T
7.13			B.T
Rt. 9.15 Lt 9.75		C 4.1 5.2 / 37.1	B.T
9.00 9.35	88 C 0.6 / 3 84	9.1 C 1.3 / 3 43	8.0 C 1.0 / B.T.
8.85 9.55	8.6 C 1.0 / 280	9.2 C 0.4 / 334	7.85 C 1.2 / B.T.
8.70 9.75	9.1 C 0.7 / 337	8.8 C 1.2 / 280	7.70 C 1.2 / B.T

Sta	+	⏊	−	Elev	Ditch Grade
		898.65		DG. R +	
43				901	888
+50				92.4	88.5
44				925	88.4
+50				926	88.3
45				92.7	88.1
T.P	447	888.27	484	893.81	893.80
+50				926	879
46				925	877
+50				924	875
47				92.3	87.4
+50				922	87.2
48				900	87.1
B.M				893.80	
+20					87.0
+50					86.9

	Lt. 33	Lt 29	Rt
Lt Rt			
9.85 8.55	8.75 C 1.1 / 34.1	8.35 C 1.5 / 27.5	7.55 C 1.4 / B.T.
10.05 6.25	7.05 C 3.0 / 36.0	8.3 C 1.8 / 27.2	4.25 C 2.0 / B.T.
10.25 6.15	7.05 C 3.2 / 36.2	7.8 C 2.5 / 26.5	4.15 C 2.0 / B.T.
10.35 6.05	7.4 C 3.4 / 36.0	7.05 C 3.3 / 25.7	6.05 B.T.
10.55 5.95	7.25 C 3.3 / 36.3	7.35 C 3.3 / 25.8	5.95 B.T.
Top SE. Cor M.H. Slab Sta 48+x			
10.140 5.7	5.6 C 4.8 / 37.8	6.9 C 3.5 / 25.5	4.7 C 1.0 / B.T.
10.60	6.6 C 4.8 / 37.0	6.9 C 3.7 / 25.3	
10.70	6.9 C 3.8 / 36.8	6.9 C 3.8 / 25.2	
10.9	7.9 C 2.9 / 35.0	7.0 C 3.9 / 25.1	
11.1	8.0 C 3.1 / 36.1	7.1 C 4.0 / 25.0	
11.2	8.8 C 2.4 / 35.4	7.4 C 3.8 / 25.2	
S.E. Cor M.H. Slab 45 Lt Sta 48+34			
11.3			
11.4	9.7 C 1.7 / 34.7	7.4 C 4.0 / 25.0	

Stg	+	⊼ 898.27	−	Elev DG. Rt.	Ditch Grade 4
49					86.7
+50					86.6
50					86.4
+50					86.2
T.P.	449	897.34	5.37	892.90	
51					86.0
+50					85.9
52					85.7
+45					85.5
53					85.5
+50					85.7
54					85.9
+50					86.1

	L7	Z	R7
11.6	9.9 C1.7/34.7	7.2 C4.4/24.6	
11.7	10.1 C1.5/34.6	7.7 C4.0/25.0	
11.9	9.5 C2.4/35.4	8.4 C3.5/25.5	
12.1	9.7 C2.4/35.4	8.2 C3.2/26.1	
11.4	8.7 C2.7/35.7	7.0 C4.4/24.6	
11.5	8.3 C3.2/36.2	7.0 C4.5/24.5	
11.7	9.0 C2.7/35.7	6.9 C4.8/24.2	
11.9	8.2 C3.4/36.4	6.8 C5.1/23.9	
11.9	7.9 C4.0/37.0	6.7 C5.2/23.8	
11.7	7.7 C4.0/37.0	7.0 C4.7/24.3	
11.5	7.7 C3.8/36.8	7.1 C4.4/24.6	
11.3	7.8 C3.5/36.5	6.9 C4.4/24.6	

Sta	+	⊼	−	Elev
		897.39		Ditch Grade Lt
55				86.3
				0 +
+50				86.5
56				86.7
T.P.	5.42	897.73	5.08	892.31
+50				86.9
57				87.1
+50				87.2
58				87.4
+50				87.6
59				87.8
+50				88.0
60				88.2
+50				88.2

	27.	2	R4
11.1	7.9 C3.2 / 36.2	6.9 C4.3 / 24.8	
10.9	8.0 C2.9 / 35.9	7.2 C3.7 / 25.3	
10.7	8.0 C2.7 / 35.7	7.0 C3.7 / 25.3	
10.8	8.7 C2.1 / 35.1	7.8 C3.2 / 26.0	
10.6	8.7 C1.7 / 34.9	8.6 C2.9 / 27.0	
10.5	8.7 C1.8 / 34.8	8.0 C2.5 / 26.5	
10.3	7.9 C2.4 / 35.4	7.0 C3.3 / 25.7	
10.1	7.7 C2.3 / 35.9	6.7 C3.4 / 25.6	
9.9	7.7 C2.7 / 35.7	6.6 C3.3 / 25.7	
9.7	7.4 C2.3 / 35.3	8.3 C1.4 / 27.6	
9.5	7.7 C1.8 / 34.8	8.4 C1.1 / 27.9	
9.5	7.7 C1.8 / 34.8	8.2 C1.3 / 27.7	

Stg	+	℄	−	Elev
		897.73	D. G	Lt
61				88.6
+50				88.8
62				89.0
+50				89.2
63				89.4
B.M				~~876.90~~
	4.72	897.35	5.10	892.63
			3.58	883.77

	24	&	R4
9.1	7.7 Cl. 4/344	8.4 Co. 1/28.3	
8.9	7.7 Cl. 2/342	8.4 Co. 3/28.5	
8.7	6.9 Cl. 8/348	8.2 Co. 3/28.5	
8.5	6.6 Cl. 9/349	8.2 Co. 3/28.7	
8.3	6.7 Cl. 5/346	8.2 Co. 1/28.9	

~~Spk. PP 24 & 24 Sta 67+60~~

11-30-54

Co. Rd. "I"

Culvert Levels

Sta. 55+ to 58+

2 Pages

Sta	+	⊼	−	Elev.
B.M.	4.65	896.80		892.15
55+21	24"X48' C.M.			
+69	Ent. 12"X20'C.M.			
56+24	Ent. 15"X20' C.M.			
56+92	Ent. 12"X20' C.M.			
58+10	Ent. 15"X20'C.M.			
58+54	X Drain ?			
53+00				

L C E

Spk. in P.P. el. 56+

87.84 87.55 87.61 87.91
8.96 9.25 9.19 8.89
W.S. F.L. F.L. W.S.

9.00 = 87.8
Ground

8.77 = 88.03
F.L. W. End

8.55 = 88.25
FL. E. End

8.30 = 88.50 8.60 = 88.20
W.S. Ground

8.53 = 88.27
F.L. W. End

8.56 = 88.24
FL E. End

8.21 = 88.59
W.S.

8.65 = 88.15
Ground

74+ 8.58 = 88.22
F.L. W. End

74+ 8.40 = 88.40
F.L. E. End

88.67 88.50
8.13 8.3
W.S. Ground

88.67
8.13
F.L. W. End

87.9 88.30
8.9 8.50
Ground W.S.

88.80
8.00
F.L. E. End

86.0 86.19
10.8 10.61
Ground W.S.