

GARVEY
DRAINAGE
DITCH

K&E
MINING TRANSIT BOOK
82-0028

LEVEL BOOK #2
GARVEY DRAIN

INDEX

(June 10, 1966)

#0 July 8, 1966

Circuit I	15.5-17	
Return Circuit II	12.5-13	(anno)
Circuit II	8.5-10	
Return Circuit II	10.5-12 + pp	32.5 (anno)
B.M. Circuit Descri.	17.5-18	
Circuit #III	33.5-42	(o.k.)
(Circuit #III was run simultaneously with Return Circuit II. Circuit #III also contains revisions taken from Circuit II + Return Circuit II)		
Ditch Circuit	18.5-32	
TOPOS STAKE ELEV	42.5-47	
(also in Ditch Circuit)		
AVAILABLE EARTH FOR ARM FILL	47.5-50	
cont of ARM "A" CROSS SECTIONS	50.5-51	
ARM "A" Side ditch	51.5-52	
F.L. Readings (August 17, 1966)		
Street Flow Chart for Hornaday Hto.	55.0-	

(G) II		(B)	June 16 (F)		ELEV
		+	Δ	-	
B.M. #1	6.78	106.78			(100.00)
TP #1			5.33		101.45
—	3.50	104.95			
TP #2			5.47		99.48
—	5.14	104.62			
B.M. #3			6.54		(98.08)
TP #3			5.14		99.48
—	5.49	104.97			
TP #4			3.65		101.32
—	5.77	107.09			
TP #5			5.48		101.61
—	2.54	104.15			
B.M. #2			6.84		(97.30)
TP #6			6.32		97.83
—	5.52	103.35			
TP #7			4.95		98.40
—	9.67	103.07			
B.M. #4			6.47		(96.60)
TP #8			5.80		97.27
—	5.72	102.99			
TP #9			3.78		99.21
—	1.23	100.44			
TP #10			4.45		95.99
—	7.10	103.09			
TP #11			5.27		97.82
—	3.84	101.66			

(C#)	(D)	(E)	ELEV.
BM#5		11.05	90.61
TP#12		3.84	97.82
—	5.70	103.52	
TP#13		8.80	94.72
—	3.52	98.24	
TP#14		4.40	93.84
—	1.45	95.29	
BM#6		7.10	88.19
TP#15		4.89	90.40
—	6.95	97.35	
TP#16		5.96	91.39
—	4.97	96.36	
TP#17		7.25	89.11
—	5.30	94.41	
TP#18		3.07	91.34
—	3.84	95.18	
TP#19		5.44	89.74
—	0.52	90.26	
TP#20		5.43	84.83
—	6.30	91.13	
TP#21		9.20	81.93
—	0.06	81.99	
BM#7		7.03	74.96

R.C. #	P +	T ↑	(E)	ELEV
BM#7			7.03	(74.90)
TP#1				
—	7.03	81.99		
TP#2			0.06	81.93
—	9.30	91.23		
TP#3			6.23	85.00
—	4.99	89.99		
TP#4			0.25	89.74
—	6.85	96.59		
TP#5			8.50	88.09
—	7.98	96.07		
TP#6			5.12	90.95
—	4.17	95.12		
TP#7			3.49	91.63
—	2.52	94.15		
BM#6			6.03	(88.12) (88.19)
TP#8			3.99	90.16
—	8.73	98.89		
TP#9			5.58	93.31
—	4.40	97.71		
TP#10			3.52	94.19
—	9.02	103.21		
TP#11			5.83	97.38
—	4.00	101.38		
BM#5			10.85	(90.53) (90.51)
BM#5	11.57	102.18		90.61

June 16 & 17

11

(RC II) +	+	+	-	ELEV
TP#12			4.61	92.57
—	4.83	102.40		
TP#13			4.68	97.72
—	5.38	103.10		
TP#14			4.98	98.12
—	5.03	103.15		
TP#15			4.52	98.63
—	3.24	101.87		
TP#16			6.89	94.98
—	5.00	99.98		
TP#17			3.45	96.53
—	3.87	100.40		
TP#18			6.73	93.67
—	5.88	99.55		
TP#19			3.72	95.83
—	8.08	103.91		
TP#20			6.56	97.35
—	3.15	100.50		
TP#21			3.30	97.20
—	6.44	103.64		
BM#4			7.05	(96.59) (96.5)
BM#4	7.04	103.63		96.59
BM#2			6.59	(97.04) (97.3)
BM#2	6.89	104.20		97.31
TP#22			4.54	99.66
—	7.15	106.81		

This is within error boundary of earlier
 elevation evaluated at this BM (#2)
 (Corrections Made in Circuit 10)

R.C.
I

(B)

+

π

(T)

ELEV.

June 15

13

B.M.#7 13.60 89.03

75.43

T.P.#1 3.36 90.09 2.30 86.73

TP#2 8.45 95.66 2.88 87.21

TP#3 4.12 96.04 3.74 91.92

TP#4 4.88 97.46 3.46 92.58

BM#6 8.66 88.80

TP#5 8.70 99.72 6.44 91.02

TP#6 6.63 100.56 5.79 93.93

TP#7 2.79 101.92 1.43 99.13

T.P.#8 4.47 102.31 4.08 97.84

BM#5 11.06 91.25

TP#9 4.63 102.45 4.49 92.82

TP#10 3.16 102.16 3.45 99.00

TP#11 10.48 104.54 8.10 94.06

TP#12 8.63 104.53 8.64 95.90

BM#4 6.02 98.51

BM#2 6.59 97.94

TP#13 7.09 105.54 6.08 98.45

BM#1 4.83 100.71

TP#14 6.39 107.84 4.09 101.45

TP#15 4.70 105.22 7.32 100.52

	(R) + (B)	(F)	ELEV.
BM#3		6.30	98.92
TP#16	7.03 / 07.55	4.70	100.50
TP#17	4.63 / 05.90	6.28	101.27
BM#2		7.39	98.51

(C) I	(B) +	(D) -	ELEV.
----------	----------	----------	-------

BM #1	4.88	104.88	100.00
-------	------	--------	--------

BM #2		7.46	97.42
-------	--	------	-------

T.P. #1	5.35	107.50	2.73	102.15
---------	------	--------	------	--------

T.P. #2	4.69	104.61	7.58	99.92
---------	------	--------	------	-------

BM #3		6.38	98.23
-------	--	------	-------

T.P. #3	7.32	107.19	4.74	99.87
---------	------	--------	------	-------

T.P. #4	4.82	104.05	7.96	99.23
---------	------	--------	------	-------

BM #4		7.10	96.95
-------	--	------	-------

T.P. #5	5.77	103.76	6.06	97.99
---------	------	--------	------	-------

T.P. #6	7.20	101.34	9.62	94.14
---------	------	--------	------	-------

T.P. #7	3.83	103.18	1.99	99.35
---------	------	--------	------	-------

June 14

16

End of concrete alignment west side of Rd 800 E

West end of CMP on Arm A at Rd 800 E

South end of 18" concrete pipe at North end of arm A

at Rd 400 N on N side of rd. west of ditch. ~~At spike in corner fence post~~
Top of CMP

(B) + π - (F) ELEV.

103.18

BM#5			11.80	91.36
TP#8	0.00	99.35	3.83	99.35
TP#9	2.50	96.57	5.28	94.07

BM#6			7.74	98.83
TP#10	4.10	96.58	4.09	92.48
TP#11	2.27	94.03	4.82	91.76
TP#12	3.86	95.07	2.82	91.21
TP#13	4.18	90.51	8.74	86.33
TP#14	0.50	85.55	5.46	85.05

BM#7			10.12	75.43
------	--	--	-------	-------

17

Center of
South end of Tile under R.R.

NE corner of culvert at county rd 30N

SE corner of Bridge at 267

BM#1 Nonthend of concrete abutment
(0+00) on West side of 800 E. ELEV. 100

BM#2 On top of West end of C.M.P.
(3+12.5) West side of 800 E. ELEV. 92
on Arm A

BM#3 On top of South end of 18" C.M.P.
(29+10) at North end of Arm A. ELEV. 91

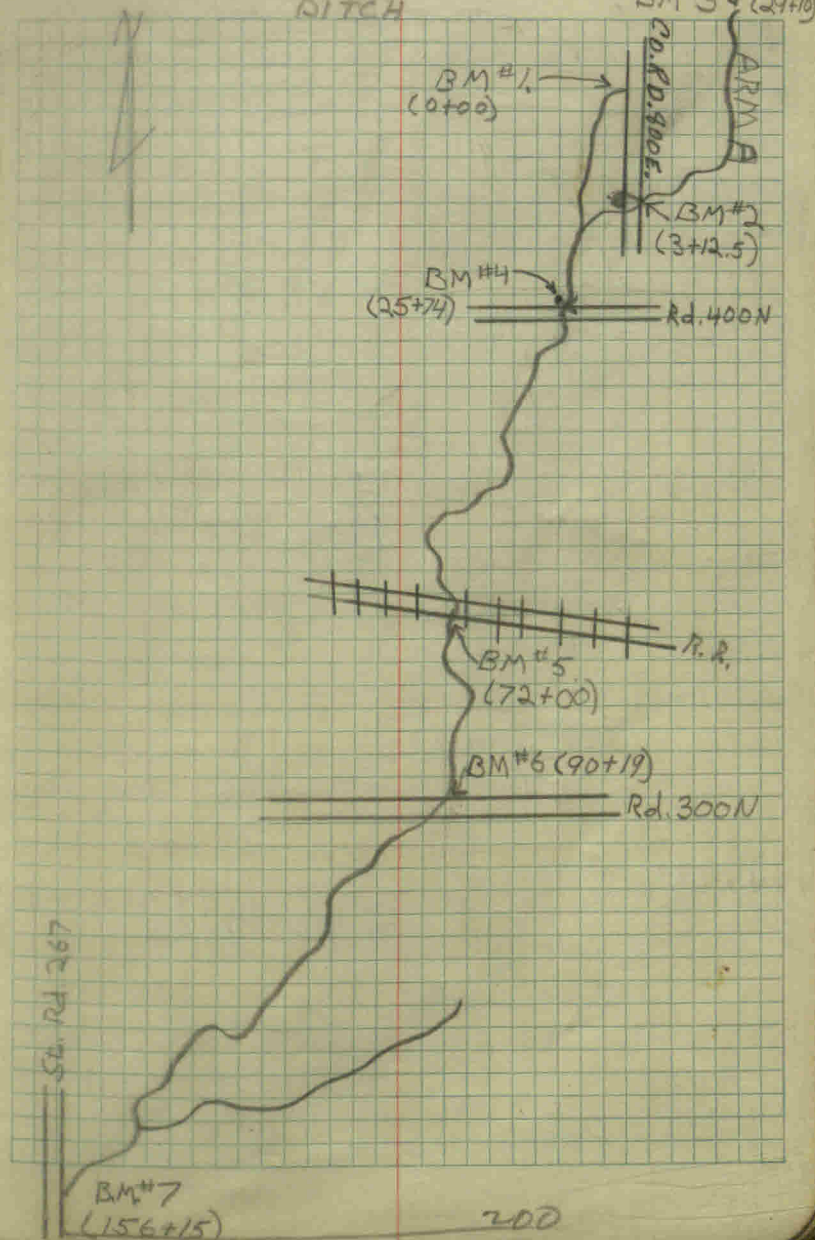
BM#4 At Rd. 400N on West side of ditch
(25+74) on North side of Rd. R.R. ELEV. 88
corner fence post.
Top of C.M.P.

BM#5 on top of South end of Metal tie
(72+00) under R.R. ELEV. 91.30

BM#6 On top of N.E. corner of abutment
(90+19) Rd. 300N. ELEV. 88

BM#7 on top of N.E. corner of guard
(156+15) rail at State Rd. 267; ELEV. 78

18
PROFILE OF GARVEY
DITCH



Stakes on RT.

B+

A

June 1966

F-

Elev.

BM #1 4.42 104.42 100.00
 CMP Bottom
 (2.5') 2.72 96.70

0+00
 BM #1 4.72 104.72 100.00
 TP 3.90 5.22 99.50
 — 3.73 103.40

4+00
 4+00 (N) 7.71 95.49
 (S) 7.41 95.99
 TP 4.66 98.74
 — 4.77 103.51

8+00
 TP 5.22 78.29
 — 5.93 104.22

12+00
 TP 3.38 100.86
 — 2.49 103.35

16+00
 (Private Bridge) 99.86

Left

4

Right 19

Concrete wall

(10' 3' 0' 5' 10' 15' 20')
 4.26 4.66 8.10 6.50 5.30 4.65 4.78
 100.16 99.76 96.32 97.92 97.12 97.77 99.64

CMP at Head. Bot. ELEV = 96.70

(15' 10' 5' 0' 5' 15' 10')
 4.02 4.58 5.82 7.01 6.06 4.79 4.83
 99.38 98.82 97.58 96.39 97.34 98.61 98.57

2+50 tile

4+90 Faxon Bridge; Bot. ELEV North 96.49
South 95.79

(20' 15' 10' 5' 0' 5' 10' 15' 20')
 5.37 5.50 7.35 7.74 5.86 4.34 4.72 5.08
 98.16 98.14 98.01 96.16 95.77 97.65 97.17 98.79 98.43

9+00 tile

10+00 tile 10+50 fence
11+00 tile

(20' 15' 10' 5' 0' 5' 10' 15' 20')
 5.60 5.22 5.30 7.82 8.70 6.59 5.56 5.84 5.86
 98.62 99.00 98.92 96.40 95.52 97.63 98.66 98.38 98.36

9.37 (S) Bridge 93.91

9.24 (N) (approach) 94.11

(25' 15' 6' 4' 0' 6' 15' 25')
 4.43 4.58 5.36 8.68 1.09 8.66 5.02 4.65
 98.27 97.77 97.99 94.67 94.26 94.49 98.33 98.70

B
+ T P ELEV

BM^{#2} 6.12 97.23 ✓

TP 448 103.34 349 79.84

16+34
(Arm-N)

16+50

16+47
(Arm-S)

(Field Eye)

TP 447 101.44 6.37 96.97

ARM (Start at 16+34 as 0+00)

3+12.5 (W side)

3+32 (E side)

0+00 4.70 103.31

BM^{#2} 6.08 97.23

0+00 3.95 102.56

0+00 3.74 102.35

4+00 5.14 101.01 6.48 (95.87)

5+00 5.23 (95.78)

6+00 5.20 (95.81) (45)

Left Right

20

(Or Center Arm A)

8.96

97.38

25' 15' 6' 0' 3' 9' 20'

4.99 8.96 7.04 9.07 5.26 4.97

4.70 7.04 8.96 9.07 5.26 4.97

7+00 fence 1/2 Ditch

17+50 25' field ditch

25' 14' 1' 0' 1' 12' 15' 25'

4.99 8.96 7.04 9.07 5.26 4.97

3+12 CMP W side (Rd 5002) 380' ELEV approx 93.23

3+32 " " " "

26' 16' 0' 14' 25'

4.99 7.72 4.98 4.23

4.55 7.73 9.63 97.37 98.12

5+25 15' 0' 12' 17' 25'

4.21 6.53 3.98 3.74 3.52

5+20 Post 96.80 94.48 97.03 97.27 97.49

25' 15' 6' 0' 2.5' 6.5' 15' 25'

4.26 5.47 6.44 9.47 9.78 95.73 96.84 97.30

7.14 7.75 8.54 9.57

to fence running along R.

7+00 6.00 ^{101.74} ~~75.54~~ 5.28 95.74

7+88
(side ditch)

8+00 5.95 95.79 (4.00)

8+84 (tile)

9+00 6.02 95.72 (5.00)

10+00 5.94 101.65 6.03 95.71 (4.00)

11+00 4.42 97.23 (8.50)

June 2nd
 10' 5' 20' 25'
 4.13 4.93 5.90 6.57 4.03 5.53 8.50
 97.01 96.83 96.03 95.11 94.42 96.98 97.48 97.47

12' 3' 0' 10' 20' 25'
 4.40 4.86 6.86 7.13 4.77 4.16 2.82
 97.22 97.25 97.18 94.88 94.61 96.97 97.58 98.92

25' 20' 10' 0' 10' 20' 25'
 4.26 4.52 4.92 7.41 4.66 3.03 2.40
 97.48 97.42 96.82 94.33 97.08 98.71 99.34

25' 20' 11' 0' 11' 10' 25'
 4.14 4.23 4.74 7.27 4.57 4.43 2.52
 97.55 97.51 97.00 94.47 97.17 97.31 99.22

25' 22' 12' 4' 0' 4' 14' 21'
 3.95 4.03 4.47 6.83 7.03 6.82 4.60 4.03
 97.70 97.62 97.18 94.82 94.62 94.83 97.05 97.60

12+00
Fence
arm?

4.58 97.07 (6.0)

13+00

4.9⁵ 96.70 (7.00)

14+00 5.28 102.14 4.79 96.86 (8.00)

15+00

4.9¹ 97.23 (8.5)

16+00 6.22 103.06 5.30 96.84 (7.01)

20' 12' 0' 10' 20' 25'
2.28 2.96 4.04 7.00 4.66 3.73 3.63
97.77 97.70 97.61 94.65 96.99 97.92 98.02

25' 20' 14' 4' 0' 10' 14' 20'
2.98 6.97 6.78 4.66 4.03 (10.0)
97.66 97.59 97.67 94.68 94.87 96.99 97.62

25' 20' 10' 0' 10' 18' 25'
4.44 4.32 4.61 6.97 4.86 4.36 (10.0)
97.21 97.28 97.04 94.68 96.79 97.29

25' 20' 10' 0' 10' 20' 25'
2.37 4.23 5.07 7.80 5.29 4.44 3.66
99.77 97.91 97.07 94.34 96.85 97.70 98.48

25' 20' 13' 10' 0' 12' 20' 25'
3.63 3.70 4.02 4.72 5.40 4.72 3.80 1.86
98.54 98.44 98.12 97.42 94.34 97.42 98.34 100.28

+ 1 - ELEV

17+00

6.20 96.86 6.8

18+00

5.65 97.41 6.00

19+00 9.27 106.65

5.6⁸ 97.38 6.00

19+19

(Fence)

20+00

9.11 97.54

21+00

9.25 97.40 4.5

Left & Right

23

25	20'	10'	4'	0'	36'	12.5'	25
5.27	5.27	5.85	7.78	8.46	8.05	5.27	30.0
97.76	97.77	97.21	95.9	94.60	95.01	97.77	100.06

fence 100m

25	20'	12'	2'	0'	3'	15'	25
3.24	4.76	4.87	7.89	8.10	7.89	4.61	4.25
97.82	98.30	98.19	95.17	94.76	95.17	98.45	98.81

25	15.5	3.5	0'	3'	15'	25
2.33	4.38	7.90	8.96	7.92	4.01	3.60
100.73	98.68	95.16	94.60	95.14	99.05	99.46

19+20 Fence

25	15'	3'	0'	4.5'	16.5'
4.67	7.58	11.18	11.59	11.35	6.90
101.98	99.07	95.47	95.06	95.30	99.75

26.5	16.5	4.5	0'	3'	15
3.20	5.53	8.16	10.78	10.37	5.35
103.45	101.12	96.89	95.75	96.28	101.30

+ A - ELEV.

11.44

Left

Right

24

22+00

8.41 107.24

7.82

(98.83) (6.00)

24'	23'	3'	0'	3'	15'
3.92	4.15	10.38	10.86	10.66	6.15
103.23	102.50	96.27	95.79	95.99	100.60

23+00

8.27 (98.97) (8.00)

25'	23'	3'	0'	3'	15'
4.28	4.39	10.90	11.17	10.89	5.93
102.96	102.85	96.34	96.07	96.35	101.31

24+00

8.20 (99.04) (6.00)

25'	22'	2'	0'	3'	15'
4.08	4.40	10.68	11.10	10.90	6.3
102.36	102.84	96.56	96.14	96.34	100.93

25+00

7.01 106.04

8.2 (99.03) (6.00)

24'	2'	0'	3'	15'
4.16	10.64	10.89	10.42	6.51
103.08	96.55	96.35	96.82	100.73

26+00

7.72 (98.32) (6.00)

25'	22'	3'	0'	3'	15'	25'
4.12	3.89	9.33	9.68	9.35	5.29	5.49
102.15	96.71	96.36	96.69	100.75	100.55	

27+00

7.16 98.88 16.00

28+00

6.37 104.91 7.60 98.44 (6.00)

28+16

(6" tile)

29+00

(31+11 to catch basin) 5.72 99.09 (6.00)

29+10

(B.M. 3)

(48" tile)

106.04 7.98 98.06 ✓

ARM ENDS

(off Arm)

(101.44)

20+00

2.96 98.48

5.20 103.68

24+00

5.22 98.46 (11.5)

25+74 (road 4.00N)

(tile)

BM 4

8.64 95.04 ✓

Left

Right

25

25'	0'	3'	0'	3'	15'	25'
7.46	4.20	9.20	7.49	9.18	5.57	5.59
97.28	96.84	96.84	96.55	96.86	100.53	100.95

25'	15'	2'	0'	2'	15'	25'
5.55	8.48	9.48	9.16	5.24	5.42	
100.25	100.49	97.16	96.56	96.88	100.80	100.62

25'	15'	0'	2'	12'	25'	25'
7.52	4.32	4.83	7.55	7.66	3.50	4.05
97.28	100.45	99.98	96.96	97.15	101.31	100.76

tile End to Drain 8.44 97.37

31+01 to Drain 8.16 96.65

25'	20'	11'	4'	0'	4.3'	10'	15'	25'
7.85	3.45	3.59	7.52	7.65	7.32	3.41	4.82	4.79
97.59	97.79	97.85	93.02	93.79	94.12	97.53	98.62	96.67

road

25'	13'	4'	0'	3.5'	11'	15'	25'
6.43	6.06	10.28	10.52	10.11	6.40	6.35	5.90
96.75	97.62	93.40	93.16	93.57	97.28	97.38	97.70

+ A

EL 50

25+98 (road-Neige)

26+17 (road-Sedag)

BM 4 4.80 99.84

28+00

4.04 (95.80) (9.5)

30+00

(Bridge)

32+00

4.52 (100.83)

3.53 (96.31)

(10.5)

36+00

4.30 (99.30)

5.85 (95.00) (11)

39+50

(tile)?

40+00 4.89

99.70

4.50 (94.80) (10.0)

41+10 (fence)

43+86

(tile?)

44+00

4.34 98.68

5.36 (94.34) (8.6)

Left

E

Pt

26

Water Pipe Pst. (8.6) 88.04

Pst. (8.6) 88.09

1.5	2.0	2.5	3.0	3.5	4.0	4.5	5.0	5.5	6.0	6.5	7.0	7.5	8.0	8.5	9.0	9.5	10.0	10.5	11.0	11.5	12.0	12.5	13.0	13.5	14.0	14.5	15.0	15.5	16.0	16.5	17.0	17.5	18.0	18.5	19.0	19.5	20.0	20.5	21.0	21.5	22.0	22.5	23.0	23.5	24.0	24.5	25.0	25.5	26.0	26.5	27.0	27.5	28.0	28.5	29.0	29.5	30.0	30.5	31.0	31.5	32.0	32.5	33.0	33.5	34.0	34.5	35.0	35.5	36.0	36.5	37.0	37.5	38.0	38.5	39.0	39.5	40.0	40.5	41.0	41.5	42.0	42.5	43.0	43.5	44.0	44.5	45.0	45.5	46.0	46.5	47.0	47.5	48.0	48.5	49.0	49.5	50.0	50.5	51.0	51.5	52.0	52.5	53.0	53.5	54.0	54.5	55.0	55.5	56.0	56.5	57.0	57.5	58.0	58.5	59.0	59.5	60.0	60.5	61.0	61.5	62.0	62.5	63.0	63.5	64.0	64.5	65.0	65.5	66.0	66.5	67.0	67.5	68.0	68.5	69.0	69.5	70.0	70.5	71.0	71.5	72.0	72.5	73.0	73.5	74.0	74.5	75.0	75.5	76.0	76.5	77.0	77.5	78.0	78.5	79.0	79.5	80.0	80.5	81.0	81.5	82.0	82.5	83.0	83.5	84.0	84.5	85.0	85.5	86.0	86.5	87.0	87.5	88.0	88.5	89.0	89.5	90.0	90.5	91.0	91.5	92.0	92.5	93.0	93.5	94.0	94.5	95.0	95.5	96.0	96.5	97.0	97.5	98.0	98.5	99.0	99.5	100.0
-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	-------

8.58 → 91.26

8.15 → 91.69

15'	15'	8'	8'	5'	13'	20'	25'
5.32	5.52	8.63	8.73	8.60	4.15	4.07	3.60
95.31	95.31	92.20	91.90	92.23	96.68	96.76	97.21
35.70	35.70	35.70	35.70	35.70	35.70	35.70	35.70

25'	20'	9'	4'	0'	6'	14'	25'
6.57	6.50	6.88	8.87	9.10	8.50	6.10	5.93
94.26	94.23	93.96	91.96	91.73	92.53	94.73	94.70

20'	11'	4'	0'	5'	15'	25'
4.50	5.59	7.83	8.13	7.94	4.74	4.70
94.37	93.71	91.47	91.17	91.36	94.36	94.60

25'	15'	12'	4'	0'	7'	11'	15'	25'
5.06	5.31	5.18	7.28	9.45	7.01	5.22	5.53	5.60
94.69	94.39	94.52	90.42	90.25	90.69	94.48	94.17	94.10

+ ^ - ELEV. 27
 47+20 (Farm Bridge)
 48+00 3.56 (93.12) (9.00)
 — 3.64 (98.76)

51+00-50 (2 Field tile)
 52+00 4.05 (94.7) (11)
 — 3.96 98.67

56+00 4.31 77.76 5.22 (93.45) (10)
 56+16 (Farm Bridge)
 56+34 (Field tile)
 59+60+70 (Cancer Bridge)

60+00 3.43 (94.34) (4)
 — 3.12 97.46

64+00 3.80 (95.63) (15)
 — 3.62 97.28

66+18 (Field tile)
 68+00 3.84 4.06 (93.22) (18)
 — 77.04 97.04

L abt 27
 25' 15' 11.5' 4' 3' 4' 12' 15' 25'
 4.92 4.04 8.63 7.04 8.64 3.90 4.28 4.08
 92.94 92.44 92.65 89.59 90.04 91.78 91.40 91.60

25' 15' 10.5' 4' 0' 4' 13' 15' 25'
 4.92 4.04 8.63 7.04 8.64 3.90 4.28 4.08
 92.94 92.44 92.65 89.59 90.04 91.78 91.40 91.60

25' 15' 10' 5' 0' 4' 15' 15' 25'
 4.92 4.04 8.63 7.04 8.64 3.90 4.28 4.08
 92.94 92.44 92.65 89.59 90.04 91.78 91.40 91.60

25' 15' 10' 5' 0' 4' 17' 25'
 4.92 4.04 8.63 7.04 8.64 3.90 4.28 4.08
 92.94 92.44 92.65 89.59 90.04 91.78 91.40 91.60

25' 15' 10' 5' 0' 5' 15' 12' 25'
 4.92 4.04 8.63 7.04 8.64 3.90 4.28 4.08
 92.94 92.44 92.65 89.59 90.04 91.78 91.40 91.60

25' 20' 11' 4' 0' 4' 14' 15'
 4.92 4.04 8.63 7.04 8.64 3.90 4.28 4.08
 92.94 92.44 92.65 89.59 90.04 91.78 91.40 91.60

	+	-	ELEV
TP		1.30	95.74

6.27 102.61

BM #5 11.04 90.97

BM #5 4.75 75.72 90.97

72+00

74+55 (fence)

TP 4.50 75.47 4.75 90.97

76+00 4.05 (91.42) (11)

TP 4.96 95.62 4.81 90.66

80+00 4.86 (90.76) (11)

80+37 (fence)

TP 4.74 75.00 5.36 90.26

84+00 (fence) 3.79 (91.21) (15)

85+00 (fence)

TP 4.88 93.81 6.07 88.93

88+00 5.22 (88.60) (11)

BM #6

90+19 to rd. 500 N

5.41 88.37

Left E RA 29

BM #5 91.2 86.60

BM #5 86.87

N 86.87

11' 11' 0' 4' 25'

41.5 87.24 87.00 91.30

11.08 91.27 87.49 87.48 87.64 91.42

25' 18' 6' 0' 6' 14' 25'

4.38 87.79 91.57 87.26 91.27 90.54

91.02 11.09 86.73 85.90 87.21 91.27 90.54

23' 22' 7' 0' 5' 15' 25'

4.47 9.21 10.18 9.01 5.40 5.64

90.72 90.72 86.41 86.61 90.13 89.98

85.41

25' 16' 5' 0' 6' 16' 25'

5.37 5.25 9.01 9.49 8.88 4.76 5.33

87.63 89.72 85.99 85.56 86.12 90.24 89.67

25' 16' 5' 0' 6' 18' 25'

5.24 5.20 8.13 8.71 8.23 4.40 4.52

88.57 88.61 85.68 85.11 85.58 89.41 89.29

	+	π	-	ELBN
BM #6	5.01	93.41		8840

92+00	4.21	89.20 (P)
TP	4.64	88.77

-	4.05	72.82
---	------	-------

76+00	3.84	88.98	115
TP	5.04	87.78	

414 9194

$$\begin{array}{r} 10000 \\ \hline 10 \end{array} \quad - \quad \begin{array}{r} 4.12 \quad (87.82) \quad (12) \\ 3.35 \quad (5.39) \end{array}$$

4.39 90.98

1044010	4.21	86.77	(11)
JP	4.68	86.30	

—	3,32	89,62
---	------	-------

108100 4.09 85.53 (14)

10877 - (fence)

T ①			4.31	85.31
-----	--	--	------	-------

4.33 89.64

L45t £ Rt 29

	15'	30'	45'	60'	75'	90'	105'
500	8.62	8.88	8.62	8.26	5.36		
525	8.28	8.53	8.28	7.92	7.56		
550	7.92	8.17	7.92	7.56	7.20		
575	7.56	7.81	7.56	7.20	6.84		
600	7.20	7.45	7.20	6.84	6.48		
625	6.84	7.09	6.84	6.48	6.12		
650	6.48	6.73	6.48	6.12	5.76		
675	6.12	6.37	6.12	5.76	5.40		
700	5.76	6.01	5.76	5.40	5.04		
725	5.40	5.65	5.40	5.04	4.68		
750	5.04	5.29	5.04	4.68	4.32		
775	4.68	4.93	4.68	4.32	3.96		
800	4.32	4.57	4.32	3.96	3.60		
825	3.96	4.21	3.96	3.60	3.24		
850	3.60	3.85	3.60	3.24	2.88		
875	3.24	3.49	3.24	2.88	2.52		
900	2.88	3.13	2.88	2.52	2.16		
925	2.52	2.77	2.52	2.16	1.80		
950	2.16	2.41	2.16	1.80	1.44		
975	1.80	2.05	1.80	1.44	1.08		
1000	1.44	1.69	1.44	1.08	0.72		

	15'	8'	0'	8'	15'	25'
26	586	8.07	8.98	7.99	4.91	4.74
28772	84.96	84.75	83.84	84.83	87.91	88.08

	25'	17	91	0'	5'	15'	25'
5.80	5.57	82.48	82.58	82.10	82.90	82.59	
86.14	86.32	82.70	82.86	82.84	82.94	82.95	

25'	15'	5'	0'	4'	13'	23'
7.73	5.70	8.29	8.09	7.87	5.10	7.69
86.05	85.28	82.69	82.29	83.11	85.88	86.35

	25'	17	C'	8'	5'	14'	25'
	4.16	4.119	248	7.92	7.415	4.65	4.32
	85.44	85.13	82.14	81.68	82.17	84.97	85.30

106747 - 106748

112+00
TP

3.73 (85.91) 15
5.71 83.93

4.65 88.58

116+00
TP

4.58 (84.00) (13)
6.30 83.28

4.31 87.59

120+00
TP

4.08 (83.56) (11)
4.97 82.62

3.44 86.06

124+00
TP

4.36 (82.70) (9)
5.01 81.05

4.26 85.31

128+00

3.93 (81.38) (8)

130+50 fewer
concrete erosion wall

TP

3.28 82.03

5.18 87.21

132+00

4.83 (82.38) (16)

2048

4 Rt

30

25' 12' 5' 0' 6' 13' 25'
5.30 4.97 8.40 7.05 7.98 4.83 4.71
79.05 82.84 80.59 81.66 84.81 84.93

25' 12' 4' 0' 5' 13' 25'
5.97 4.80 8.62 8.70 8.71 4.91 4.65
82.61 83.75 79.96 79.88 79.87 83.67 83.93

25' 14' 5' 0' 4' 12' 25'
4.49 3.96 8.08 8.76 8.51 5.16 4.92
83.10 83.63 79.51 78.83 79.08 82.43 82.67

25' 14' 4' 0' 4' 14' 25'
4.35 2.25 8.97 8.81 8.65 4.11 4.06
81.71 82.21 77.09 77.25 77.41 81.95 82.00

25' 12' 5' 0' 5' 12' 25'
5.66 4.48 9.50 9.56 9.10 4.85 4.88
79.65 80.83 75.81 75.75 76.15 80.46 80.43

25' 15' 4' 0' 4' 18' 25'
7.60 7.42 12.37 12.50 72.10 5.28 5.73
79.61 79.79 74.84 74.71 75.11 81.93 81.48

	+	π	-	LEV
132+00	1.08	23.46		82.38

136+00			3.89	(79.57) (12)
TP			5.52	77.94
	4.82	82.76		

140+00			5.09	(77.67) (12)
142+96 Fence				

TP	3.97	84.48	2.25	80.51
----	------	-------	------	-------

144+00	4.06	79.72	8.82	(75.60) (13)
TP	6.40	81.68	4.44	75.28

TP	3.70	78.29	7.29	74.39
----	------	-------	------	-------

148+00			4.02	74.27 (14)
--------	--	--	------	------------

148+00	3.46	77.73		74.27
--------	------	-------	--	-------

TP	3.52	76.76	7.49	73.24
----	------	-------	------	-------

152+00			3.17	73.59
--------	--	--	------	-------

TP	6.52	78.46	4.82	71.94
----	------	-------	------	-------

156+00

156+15 (BM*)			3.27	75.19
--------------	--	--	------	-------

Left Right 31

137+00 Bridge
138+00 Bridge
139+00 Bridge
140+00 Bridge
141+00 Bridge
142+00 Bridge
143+00 Bridge
144+00 Bridge
145+00 Bridge
146+00 Bridge
147+00 Bridge
148+00 Bridge
149+00 Bridge
150+00 Bridge
151+00 Bridge
152+00 Bridge
153+00 Bridge
154+00 Bridge
155+00 Bridge
156+00 Bridge
157+00 Bridge
158+00 Bridge
159+00 Bridge
160+00 Bridge
161+00 Bridge
162+00 Bridge
163+00 Bridge
164+00 Bridge
165+00 Bridge
166+00 Bridge
167+00 Bridge
168+00 Bridge
169+00 Bridge
170+00 Bridge
171+00 Bridge
172+00 Bridge
173+00 Bridge
174+00 Bridge
175+00 Bridge
176+00 Bridge
177+00 Bridge
178+00 Bridge
179+00 Bridge
180+00 Bridge
181+00 Bridge
182+00 Bridge
183+00 Bridge
184+00 Bridge
185+00 Bridge
186+00 Bridge
187+00 Bridge
188+00 Bridge
189+00 Bridge
190+00 Bridge
191+00 Bridge
192+00 Bridge
193+00 Bridge
194+00 Bridge
195+00 Bridge
196+00 Bridge
197+00 Bridge
198+00 Bridge
199+00 Bridge
200+00 Bridge

137+00 Bridge	2.71	76.9	9.40	9.41	4.67	6.05
138+00 Bridge	28.24	78.75	73.77	73.56	74.05	78.79
139+00 Bridge						
140+00 Bridge						
141+00 Bridge						
142+00 Bridge						
143+00 Bridge						
144+00 Bridge						
145+00 Bridge						
146+00 Bridge						
147+00 Bridge						
148+00 Bridge						
149+00 Bridge						
150+00 Bridge						
151+00 Bridge						
152+00 Bridge						
153+00 Bridge						
154+00 Bridge						
155+00 Bridge						
156+00 Bridge						
157+00 Bridge						
158+00 Bridge						
159+00 Bridge						
160+00 Bridge						
161+00 Bridge						
162+00 Bridge						
163+00 Bridge						
164+00 Bridge						
165+00 Bridge						
166+00 Bridge						
167+00 Bridge						
168+00 Bridge						
169+00 Bridge						
170+00 Bridge						
171+00 Bridge						
172+00 Bridge						
173+00 Bridge						
174+00 Bridge						
175+00 Bridge						
176+00 Bridge						
177+00 Bridge						
178+00 Bridge						
179+00 Bridge						
180+00 Bridge						
181+00 Bridge						
182+00 Bridge						
183+00 Bridge						
184+00 Bridge						
185+00 Bridge						
186+00 Bridge						
187+00 Bridge						
188+00 Bridge						
189+00 Bridge						
190+00 Bridge						
191+00 Bridge						
192+00 Bridge						
193+00 Bridge						
194+00 Bridge						
195+00 Bridge						
196+00 Bridge						
197+00 Bridge						
198+00 Bridge						
199+00 Bridge						
200+00 Bridge						

137+00 Bridge	2.4'	11'	3'	0'	3'	15'	25'
138+00 Bridge	5.72	6.55	10.94	11.55	10.73	5.70	6.35
139+00 Bridge	76.84	76.21	71.82	71.21	72.03	72.06	76.41

140+00 Bridge	2.5	15'	3'	0'	3'	15'	25'
141+00 Bridge	6.21	6.3	10.30	8.60	8.60	5.00	4.86
142+00 Bridge	73.41	71.34	70.72	71.22	74.72	74.87	74.87
143+00 Bridge							
144+00 Bridge							
145+00 Bridge							
146+00 Bridge							
147+00 Bridge							
148+00 Bridge							
149+00 Bridge							
150+00 Bridge							
151+00 Bridge							
152+00 Bridge							
153+00 Bridge							
154+00 Bridge							
155+00 Bridge							
156+00 Bridge							
157+00 Bridge							
158+00 Bridge							
159+00 Bridge							
160+00 Bridge							
161+00 Bridge							
162+00 Bridge							
163+00 Bridge							
164+00 Bridge							
165+00 Bridge							
166+00 Bridge							
167+00 Bridge							
168+00 Bridge							
169+00 Bridge							
170+00 Bridge							
171+00 Bridge							
172+00 Bridge							
173+00 Bridge							
174+00 Bridge							
175+00 Bridge							
176+00 Bridge							
177+00 Bridge							
178+00 Bridge							
179+00 Bridge							
180+00 Bridge							
181+00 Bridge							
182+00 Bridge							
183+00 Bridge							
184+00 Bridge							
185+00 Bridge							
186+00 Bridge							
187+00 Bridge							
188+00 Bridge							
189+00 Bridge							
190+00 Bridge							
191+00 Bridge							
192+00 Bridge							
193+00 Bridge							
194+00 Bridge							
195+00 Bridge							
196+00 Bridge							
197+00 Bridge							
198+00 Bridge							
199+00 Bridge							
200+00 Bridge							

140+00 Bridge	2.5	12'	4'	0'	4'	14'	25'
141+00 Bridge	4.98	6.47	9.45	9.90	9.43	4.80	4.83
142+00 Bridge	73.31	71.82	68.24	68.37	68.86	73.49	73.46

0'

0'

RC
II

+

π

-

ELEV.

BM #1

(B)
(cont)

6.85 99.96 (100.00)

TP #23

5.23 101.58

—

3.39 104.97

TP #24

5.45 99.52

—

5.20 104.72

BM #3

6.60 98.12 (98.00)

June 20

C. III	B	+	T	—	ELEV
BM#1	7.18	102.18			100.00
TP#1			5.37		101.81
—	3.30	105.11			
TP#2			5.62		99.49
—	6.11	105.60			
BM#3			7.57		98.03
TP#4			6.11		99.49
—	5.69	105.18			
TP#5			3.40		101.78
—	5.19	106.97			
BM#1			6.97		100.00
TP#6			6.21		100.76
—	3.77	104.53			
TP#7			5.59		98.94
—	6.22	104.16			
BM#2			6.89		97.27
TP#8			6.89		97.27
—	5.50	102.77			
TP#9			3.71		99.04
—	1.86	100.90			
BM#4			5.75		95.10
TP#10			1.86		99.04
—	3.63	102.67			
TP#11			5.39		97.28
—	4.09	101.37			

CTP	GT	T	F	ELEV
TP#12			3.36	98.01
	2.01	105.02		
TP#13			8.70	96.32
	4.84	104.16		
TP#14			7.26	93.90
	6.55	100.45		
TP#14			3.72	96.73
	3.75	100.48		
TP#15			1.32	99.16
	3.63	102.79		
TP#16			4.76	98.09
	5.40	103.49		
TP#17			5.24	98.25
	3.28	101.53		
BM#5			10.39	(91.14) 91.08
TP#18			10.39	91.14
	11.17	102.31		
P.P. (S)			15.32	86.99
" (N)			15.70	86.61
M. Dr. (top)			0.13	102.18
TP#19			4.81	97.50
	4.66	102.16		
TP#20			3.87	98.29
	4.30	102.59		
TP#21			4.16	98.43
	5.61	104.04		

CH	B	T	P	ELEV
TP #2			7.90	96.14
BM #2	5.94	103.21		97.27
TP			4.24	98.97
	5.64	104.61		
TP			5.14	99.47
	7.02	106.49		
STEEP			3.08	103.41
BM #1			6.50	99.99
BM #4	5.67	100.80		95.13 95.07
TP			2.95	97.85
	5.86	103.71		
TP			5.87	97.84
	4.48	102.32		
BM #2			5.00	97.32 97.26
BM #2	5.00	102.27		97.27
TP			7.28	97.99
	4.99	102.98		
TP			5.78	97.20
	3.63	100.83		
BM #4	7.94	108.08	5.76	95.07
BM #5	11.38	102.52		91.14
TP			10.50	95.58
	4.44	96.02		91.
TP			4.51	95.51
	5.62	97.13		

<u>C.M.</u>	+	<u>T</u>	—	ELEV
TP			142	95.74
—	6.79	102.50		92
TP			10.22	85.28
—	6.94	93.22		94
TP			5.04	88.18
—	5.20	9		
—	4.9	95.18		
TP			7.62	94.56
—	5.48	100.04		
TP			5.55	94.49
—	7.38	101.87		
TP			6.27	95.60
—	4.57	100.17		
BM ²⁴			4.82	96.35
BM ²⁴	5.86	100.93		(95.07)
TP			3.15	97.78
—	4.56	102.34		
TP			5.15	97.19
—	3.05	100.24		
TP			3.21	97.03
—	5.48	102.51		
TP			3.50	99.01
—	4.56	103.57		
TP			7.01	96.56
—	4.56	101.12		
TP			5.50	95.62
—	3.39	99.01		

(CIII)

+

7

-

E152

TP (99.00) 4.85 94.16

- 5.67 99.83

TP 3.51 96.32

- 5.30 101.62

TP 6.26 95.36

- 5.06 100.42

TP- 1.37 99.03

- 3.90 102.95

TP 4.28 98.67

- 3.71 102.38

TP - 4.20 98.18

- 4.04 102.22

TP 9 4.20 98.02

- 3.98 102.00

BM's 11.04 90.97

TP 3.99 98.02

- 4.27 102.29

TP 4.10 98.19

- 4.52 102.71

TP 4.02 98.69

- 4.68 103.37

TP 1 4.27 99.10

- 1.56 100.66

TP 4.22 95.94

- 3.07 99.01

38

<u>CN</u>	+	π	-	ELEV
TP			5.47	93.54
	4.80	98.34		
TP			4.95	93.39
	5.06	98.45		
TP			5.64	92.81
	3.23	96.04		
BM #6			2.46	88.58
BM #6	2.46	96.04		88.58
TP			3.21	92.83
	6.18	99.01		
TP			5.58	93.43
	4.92	98.35		
TP			4.56	93.79
	5.70	99.49		
			.25	99.24

BM #4	5.67	100.74		(95.07)
TP			2.95	92.79
	5.86	103.65		
TP			5.87	97.78
	4.48	102.26		
BM #2			5.00	(97.26)
BM #5	11.04	102.01		(90.97)
TP			3.99	98.02
	4.20	102.22		

CTH	+	T	-	ELEV.
TP			4.04	98.18
-	4.20	102.38		
TP			3.71	98.67
-	4.28	102.95		
TP			3.90	99.05
-	1.37	100.42		
TP			5.06	95.36
-	6.26	101.62		
TP			5.30	96.32
-	3.51	99.83		
TP			5.57	94.16
-	4.85	99.01		
TP			3.39	95.62
-	5.50	101.12		
TP			4.56	96.56
-	2.01	103.57		
TP			4.56	99.01
-	3.50	102.51		
TP			5.48	97.03
-	3.21	100.24		
TP			3.05	97.19
-	5.15	102.34		
TP			4.56	97.78
-	3.15	100.93		
BM #4			5.86	95.07

C.M.	+	T	-	ELEV.
BM #5	11.15	102.12		(909.7)
TP			3.84	98.28
—	5.70	103.98		
TP			8.80	95.18
—	3.52	98.70		
TP			4.40	94.30
—	1.45	95.75		
BM #6			7.35	(88.40)
BM #6	6.28	91.68		(88.40)
TP			3.99	90.69
—	8.73	99.42		
TP			5.58	93.84
—	4.40	98.24		
TP			3.52	94.72
—	9.02	103.74		
TP			5.83	97.91
—	4.00	101.91		
BM #5			10.74	(90.97)
BM #6	7.35	95.75		(88.40)
TP			4.89	90.86
—	6.95	97.81		
TP			5.46	91.85
—	4.97	96.82		
TP			7.25	89.57
—	5.30	94.87		

(CIII)	+	7	-	ELEV.
TP			3.07	91.80
—	3.84	95.64		
TP			5.44	90.20
—	0.52	90.72		
TP			5.43	85.29
—	6.30	91.59		
TP			9.20	82.39
—	0.06	82.45		
BM # 7			7.28	(75.17)
BM # 7	7.28	82.45		(75.17)
TP			0.06	82.39
—	9.30	91.69		
TP			6.23	85.46
—	4.99	90.45		
TP			0.25	90.20
—	6.85	97.05		
TP			8.50	88.55
—	7.98	96.53		
TP			5.12	91.41
—	4.17	95.58		
TP			3.49	92.09
—	2.52	94.61		
BM # 6			6.21	(88.40)

Top of STAKE ELEVATIONS

D.S.E.

43

	+	-	ELEV
BM #1	4.24	104.24	100.00
0+00	4.50	99.24	
TP	4.77	99.47	
-	3.91	103.38	
4+00	4.34	99.04	
TP	4.34	99.04	
-	4.68	103.72	
8+00	4.02	99.70	
TP	4.02	99.70	
-	3.50	103.20	
12+00	3.93	99.27	
TD	3.93	99.27	
-	5.54	104.81	
TP	4.06	100.75	
-	2.60	103.35	
16+00	3.49	99.86	
16+34	4.74	98.61	
TP	3.49	99.86	
-	3.48	103.34	
TP	6.37	96.97	
-	4.47	101.44	
20+00	3.04	98.43	
ARM "A"			
0+00	3.74	102.38	98.61
4+00	6.48	95.87	300'
-	5.14	101.01	

	T	A	—	F.15	M.44
5+00			5.23	(95.78)	(4.00)
6+00			5.20	(95.81)	(4.9)
7+00			5.27	(95.74)	(4.00)
—	6.00	101.74			
8+00			5.95	(95.79)	(4.00)
9+00			6.02	(95.72)	(5.00)
10+00			6.03	(95.71)	(4.00)
—	5.94	101.65			
11+00			4.42	(97.23)	(8.50)
12+00			4.58	(97.07)	(6.00)
13+00			4.95	(96.70)	(7.00)
14+00			4.79	(96.86)	(8.00)
—	5.28	102.14			
15+00			4.91	(97.23)	(8.50)
16+00			5.30	(96.84)	(7.00)
—	6.22	103.06			
17+00			6.20	(96.86)	(6.50)
18+00			5.65	(97.41)	(6.00)
19+00			5.68	(97.38)	(7.00)
—	9.27	106.65			
20+00			9.11	(97.54)	
21+00			7.25	(97.40)	(4.50)
22+00			7.82	(98.83)	(8.00)
—	8.41	107.24			
23+00			8.27	(98.97)	(8.00)

	T	A	-	ELV	HC
24+00			8.20	(99.04)	(6.00)
25+00			8.21	(99.03)	(6.00)
—	7.01	106.04			
26+00			2.52	(98.32)	(5.00)
27+00			7.16	(98.88)	(6.00)
28+00			2.60	(98.44)	(5.00)
—	6.37	104.81			
29+00			5.72	(99.09)	(6.00)

END ARM "A"

16+00	3.53	103.89		(99.86)	
BM #2			6.16	97.23	
20+00			4.91	(98.48)	
—	5.30	103.78			
24+00			5.33	(98.45)	
BM #4			8.74	95.04	(95.0)
—	4.80	99.84			
28+00			4.04	(95.80)	(9.5)
32+00			3.53	(96.31)	(10.5)
—	4.52	100.83			
36+00			5.83	(95.00)	(11)
—	4.30	99.30			
40+00			4.49	(94.81)	(10)

	+	Δ	-	ELEV
BM #4	5.416	100.53		95.07
28+00			4.70	(95.83)
TP	5.58		5.57	94.96
-	6.38	101.34		
32+00			5.03	(96.31)
TP			5.09	96.25
-	2.95	99.20		
36+00			4.21	(94.99)
TP			3.75	95.45
-	4.43	99.88		
40+00			5.09	(94.79)
TP			5.21	94.67
-	4.08	98.75		
44+00			4.43	(94.32)
TP			4.44	94.31
-	5.35	99.66		
48+00			4.56	(95.10)
TP			5.01	94.65
-	3.46	98.11		
52+00			3.41	(94.76)
TP			4.44	93.67
-	4.23	97.90		
56+00			4.44	(93.46)
TP			4.90	93.00
-	4.68	97.68		
60+00			3.36	(94.32)

	+	+	-	ELEV
TP			5.32	92.36
-	5.28	97.64		
64+00			3.97	(93.67)
TP			5.53	92.11
-	5.16	97.27		
68+00			4.02	(93.25)
TP			4.62	91.25
-	3.82	97.07		
TP			1.27	95.80
-	5.85	101.65		
P.M. 5			10.68	96.97
-	4.62	95.59		
TP			4.48	91.11
-	4.36	95.47		
72+00				
76+00			4.05	(91.42)
TP			4.49	90.98
-	4.60	95.58		
80+00			4.80	(90.78)
TP			5.50	90.08
-	3.41	93.49		
84+00			2.28	(91.20)
TP			3.76	89.73
-	4.31	94.04		
88+00			4.41	(89.63)
BM #6			5.64	88.40

47

REST OF STAKE TOP
ELEVATIONS WITH
CROSS SECTIONS

	+	-	ELEV.
6+00	8.25	104.06	95.81
7+25			
10+00			
10+25			
11+00	10.00	107.23	97.23
11+75 ditch		12.58	94.65
Ditch +25		12.69	94.59
12+00		10.17	97.06
15+00	9.36	106.59	97.23
17+00	9.85	106.71	96.86
17+50	end of hill		
17+70	} hill		
to 18+00			

48

94.52 9.54

9.59 30' 414'

94.47 5.03 6.84

9903 97.22

9.60

94.46

9.64 2.8' 40'

94.42 4.50 6.44

97.56 97.62

27' 39'

12.60 5.95 9.05

94.63 101.28 97.68

12.60 31' 42'

94.61 1.85 8.56

102.38 98.73

29' 30'

12.13 4.27 8.90

94.46 101.72 97.69

28' 39'

12.5 9.61 2.00

94.21 102.10 99.71

94.6 102.50 100.16

	+	Δ	-	ELEV.
17+00	12.70	109.56		96.86

18+00			12.17	97.39
-------	--	--	-------	-------

18+50
19+00 hill

18+70

19+50
20+00 in corn field

17+00	11.68	108.54		96.56
-------	-------	--------	--	-------

21+00			11.10	97.49
-------	--	--	-------	-------

B.M.	7.39	108.45		98.06
------	------	--------	--	-------

2662750 in lake 27+50

27+50

RA 49

32'	14.44
6.65	95.12
102.91	

33'	
5.48	14.89
104.08	94.67

10' 50'	30'	12.75
7.04	6.65	4.80
101.50	101.89	103.64
		95.79

41'	41'	21'	8.78
3.01	3.38	3.34	
102.81	102.97	102.11	96.67

	+	-	ELEV.
BM #3	6.28	104.39	98.00

29+20

30+00

LEFT

+

RIGHT

51

(29+00) BM #3 on		PIRE	SIZE OF PIRE:	
25'	15'	10'	0'	10'
15'	10'	0'	10'	15'
10'	0'	10'	15'	25'
3.88	4.50	4.60	5.53	3.12
100.34	99.74	98.81	101.22	101.39
100.46				100.78
25'	15'	10'	0'	10'
15'	10'	0'	10'	15'
10'	0'	10'	15'	25'
3.74	3.62	4.79	3.16	3.00
100.60	100.72	99.55	101.18	101.34
				100.91

MEASURE

ON ON 400 N, DISTANCE etc
Gravimetry below 1200

	+	Δ	-	ELEV
BM #2	5.24	102.51		97.27

11+00	4.79	102.02		97.23
-------	------	--------	--	-------

7+00	5.23	100.97		95.74
------	------	--------	--	-------

52

C.L. at 3+60

7.25 ⇒ 94.66

F.L. 120' N of Road C/L

6.27 ⇒ 96.24

11+90

C.L. 7.31 ⇒ 94.71

100' North F.L. of

Side ditch

7.38 ⇒ 94.64

200' North F.L. of

Side ditch

7.13 ⇒ 94.89

7+90 to C.L. of Ditch

6.34 ⇒ 94.63

50' North in F.L. of ditch

6.18 ⇒ 94.79

85' North

F.L. of road dikes:

36" CMP F.L. 7.40 ⇒ 93.57

12" CMP F.L. 6.03 ⇒ 94.94

R
+ T - ELEV.

BM #1			100.00'
—	6.44	106.41	
—	6.47	106.47	
TP #1		3.98	102.49
—	4.11	106.60	
TP #2		4.76	101.84
—	4.39	106.23	
TP #3		4.05	102.18
—	11.32	113.50	
Sta #0+00		5.32	102.18 LOCAL
Sta #0+50		6.00	107.50
Sta #1+00		6.39	107.11
Sta #1+50		6.84	106.66
Sta #2+00		7.08	106.42
TP		7.08	106.42
—	4.56	110.98	
Sta 3+00		5.30	105.68
Sta 3+50 (E of Logans Moore)		5.58	
Man Hole, No inlet		105.11	

June 1967

55

North end of Concrete Abutment
on West side of 800 E. of Highway
to road
Spring No. 2000 toward
Hornaday Hts.

	2000, 100	
Station of 50' interval		
Sta. 0+00 at H. Logans Moore St.		
Sta. 0+50		
North Gutter		South G
6.19	6.00	6.18
107.31	107.50	107.32
6.52	Sta 1+00	
106.98	6.39	107.11
	6.54	
	Sta 1+50	106.96
7.08	6.84	106.66
106.42	7.08	106.38
7.28	7.08	7.30
106.22	106.42	106.20
	Sta 2+00	
7.68	5.30	5.70
105.30	105.68	105.38

Sta	T	A	-	ELEV
		110.98	±	Log
4+00		5.94		105.04
5+00		6.82		104.66
6+00		6.68		104.30
(0+00 on Moore's St + 51 on Logan) Moore				
0+00		110.98	5.58	105.40
1+00		6.06		104.92
2+00		6.83		104.15
3+00		7.07		103.97
3+44	4 of White + Moore 7.47 = 103.51 3 summer water			
6+00		110.98	6.36	104.30
TP			6.68	104.30
✓		4.46	108.76	108.76
7+00		4.97		103.79
8+00		5.41		103.35
8+55	± 8 Logan ave			
		5.50		103.26

56.0		
S.S.	4+00	W.G.
6.21	5.94	6.19
104.77	105.04	104.79
6.56	6+00	6.60
104.42	6.32	104.46
6.97	6+00	104.38
104.01	6.36	6.68
	104.30	104.30
East on		
± Moore St	1+00	W. G. Allen
6.36	6+00	6.36
104.62	104.92	104.63
7.06	2+00	7.07
103.92	6.83	103.91
7.68	3+00	7.36
103.30	7.01	103.62
	103.97	
Back on Logan St		
S.S.	7+00	N.G.
5.18	4.97	5.25
103.58	103.79	103.51
5.62	8+00	5.70
103.14	5.41	103.06
	103.35	

+	↑	-	ELEV
	108.76		
9700		5.99	102.77
10700		6.29	102.47
11700		6.63	102.13
11747		6.74	102.02
LOHLE AVE			
8+460 on Logan	0700 on White		
0700	108.76	5.50	103.26
1700		5.10	103.66
2700		4.77	103.77
3700		4.40	104.36
—	5700	109.36	
4700		5.02	104.33
5700		5.29	104.07
6700		5.74	103.62
7700		5.90	103.46
7720		5.85	103.51
7720 on White is 7740 on			

+	↑	-	ELEV
	57.0		
9700	N. G.		
5.90	6.16		
102.77	102.60		
10700	6.54		
11700	102.47	102.22	
6.63	6.82		
102.13	101.94		
White Ave			
8+460 on Logan	0700 on White		
0700	108.76	5.50	103.26
1700		5.10	103.66
2700		4.77	103.77
3700		4.40	104.36
—	5700	109.36	
4700		5.02	104.33
5700		5.29	104.07
6700		5.74	103.62
7700		5.90	103.46
7720		5.85	103.51
7720 on White is 7740 on			

+ T - ELEV

(109.56)

3+44

103.51

- 6.42 109.93

4+00

6.28 103.65

5+00

5.84 104.09

6+00

6.17 103.76

7+00

6.50 103.43

8
7+22

More 6.48 103.45

4 of 100 ft. Harris

0500 of Harris ind. Harris

+ Hornaday Rd.

TP

103.45

- 5.40 108.85

0+00

2.79 106.06

1+00

3.90 104.95

2+00

4.50 104.35

3+00

4.93 103.92

58.0

E

Elev

(4+00)

6.28

6.55

103.65

103.38

(5+00)

5.84

5.98

104.09

103.95

(6+00)

6.17

6.37

103.76

103.56

(7+00)

6.50

6.84

103.43

103.09

(8+00)

6.48

6.48

103.45

103.45

(9+00)

6.48

6.48

103.45

103.45

(10+00)

2.79

2.79

106.06

106.06

(1+00)

3.90

4.12

104.95

104.73

(2+00)

4.50

4.92

104.35

103.93

(3+00)

4.93

5.31

103.92

103.54

(4+00)

5.39

5.39

103.46

103.46

(5+00)

4.93

4.93

103.92

103.92

Station	Distance	Angle	Bearing
4+00	108.85	5.23	103.62
4+58.5		5.40	103.45
5+00		5.36	103.49
6+00		4.84	104.01
7+00	79	4.40	104.45
	4.96	109.24	
8+00		4.58	104.66
9+00		5.04	104.20
10+00		5.36	103.88
E of Harris & Thorne			
10+65		5.42	103.82
	5.46	109.28	
O+00 of Thorne is E of Thorne & edged pavement M.S. 136			
0+00		2.90	106.38
1+00		3.60	105.68

North	Center	South
5.64 103.21	5.28 103.62	5.64 103.21
5.67 103.18	5.36 103.49	5.70 103.15
5.2 103.63	4.84 104.01	5.22 103.63
4.68 104.17	4.40 104.45	4.68 104.17
4.96 104.34	4.58 104.66	4.94 104.30
5.0 103.93	5.04 104.20	5.33 103.91
5.64 103.60	5.36 103.88	5.63 103.61
W. 15. S. 6.	2	East 15. N.
3.96 105.32	3.60 105.68	4.02 105.26

	+	Δ	-	ELEV
2+00		109.28	4.50	104.78 Th
3+00				
3+00			5.19	104.09
3+96			5.46	103.82
4+00			5.46	103.82
5+00			5.79	103.49
6+00			6.18	103.10
7+00			6.46	102.82
8+00		109.28	6.81	102.47
9+00		5.32	107.79	
9+38			5.56	102.23
9+38			5.76	102.03
10+00			5.47	102.32

	6.0	6.0
2+00	4.50	4.90
3+00	4.52	104.38
4+00	5.19	5.46
5+00	5.79	103.82
6+00	6.18	6.34
7+00	6.46	6.60
8+00	6.81	7.02
9+00	5.56	5.86
10+00	5.47	5.80

+ $\nearrow$ - ELEV
 107.79
 11+00 5.07 102.72
 11+82 4.78 103.01
 0+00 on H'day Rd to 408
 14' day + 20' again
 0+00 108.18
 - 2.12 110.30
 1+00 - 1.92 108.38
 2+00 2.07 108.32
 3+00 3.10 107.20
 4+00 5.0 105.29
 5+00 5.62 104.68
 5+89 inlet (base) 2.85 102.45
 6+00 5.74 104.56

Thurs. W. 0.5

5.57
 102.42

Heavy 4.96
 102.83

4 Nov 15

(11+00)

5.07
 102.72

(11+82)

4.78
 103.01

5.31
 102.48

4.96
 102.83

East Ditch

(1+00)

1.92
 108.38

(2+00)

2.07
 108.32

(3+00)

3.10
 107.20

(4+00)

5.0
 105.29

(5+00)

5.62
 104.68

(6+00)

5.74
 104.56

2.82
 107.48

3.40
 106.90

4.86
 105.44

6.12
 104.18

7.05
 103.27

7.30
 103.00

+ 1 - BLEV
2+00 (110.30) 5.44 104.86

8+00 4.80 105.50

607 H'day Harris
8+42 4.49 105.81

(.25 less
than prev
was 106.06)

(7+55)
5.44
104.86
(8+00)
4.80
105.50

62.0
East side
6.90
103.40

5.20
105.10