

ARMSTRONG DITCH
WILLS + WATSON DITCH

153

MINING
TRANSIT BOOK
363 A

310 feet from Road ^T
at start of ditch to the
ditch

3+71 Bakers West line
Englishes East line

17+16 Bakers East line
Road + then J. Lones W.
line

300 feet from stone

SE of 21 + SW of 22

17+45 Lones W line

tile 31 + 70

38+6.8 Lones South line

J. Hale North line 573 feet
from West line of Hales

40 a.

58+40 Hale South line 135 feet from West line

76 + 36 South line
of youngs + North line
of Right of Way

77 + 57 South line of
Right of Way + North of Parmours

86 + 30 Fence on South of Ditch
turns W. along Parmours line
Lit Swain's line 600 feet to

91 + 30 Fence line + Ditch
turns South.

104 + 88 End of ditch
keeps along the fence
which is on the East of
the ditch after the last
turn.

STK DITCH

| | | |
|------|-------|-------|
| 0+0 | 94.56 | 87.00 |
| 1+0 | 95.11 | 87.60 |
| 2+0 | 95.11 | 88.09 |
| 3+0 | 95.52 | 88.74 |
| 4+0 | 96.26 | 89.04 |
| 5+0 | 95.66 | 88.81 |
| 6+0 | 96.76 | 89.24 |
| 7+0 | 95.76 | 89.62 |
| 8+0 | 96.50 | 89.66 |
| 9+0 | 95.68 | 90.00 |
| 10+0 | 97.23 | 90.50 |
| 11+0 | 96.39 | 90.02 |
| 12+0 | 96.92 | 90.11 |
| 13+0 | 97.47 | 90.75 |
| 14+0 | 97.81 | 90.44 |
| 15+0 | 97.64 | 90.47 |
| 16+0 | 97.22 | 91.40 |
| 17+0 | 96.75 | 91.14 |
| 18+0 | 98.06 | 91.28 |
| 19+0 | 98.21 | 91.60 |
| 20+0 | 97.25 | 91.39 |
| 21+0 | 97.81 | 91.93 |
| 22+0 | 97.47 | 91.73 |
| 23+0 | 98.34 | 92.00 |
| 24+0 | 98.35 | 92.20 |

B.M. on
concrete post at
road. EL 100.00

⊙ 94.22

⊙ 98.34

4+40 - 4" tile
from S. 91.67
F.L. 92.21

7+20 - 6" tile
from N.
Top - 92.38
F.L. 91.96

12+50

Tile from S.

Top of Tile 91.45

F.L. 90.68

B.M. EL. 99.98
SW RAIL
Bridge Sta
17+40

Send Wraile

- 8" Tile from S
92.65 Top T. 19+0
92.00 FL

8" FROM N 22+98
TT 9290
FL 9230
10" TILE from N
FL - 91.65 2410
TT 9250

| | STK | FL DITCH |
|------|--------|-------------|
| 25+0 | 98.47 | 92.28 |
| 26+0 | 98.13 | 93.12 |
| 27+0 | 99.00 | 92.81 |
| 28+0 | 99.15 | 92.65 |
| 29+0 | 98.78 | 92.93 |
| 30+0 | 99.14 | 92.04 |
| 31+0 | 98.31 | 93.35 |
| 32+0 | 98.64 | 93.66 |
| 33+0 | 99.38 | 93.31 |
| 34+0 | 99.64 | 93.38 |
| 35+0 | 99.33 | 92.23 |
| 36+0 | 98.81 | 93.21 |
| 37+0 | 97.91 | 94.19 |
| 38+0 | 99.07 | 94.18 |
| 39+0 | 99.53 | 94.22 |
| 40+0 | 100.27 | 94.56 |
| 41+0 | 100.56 | 94.70 |
| 42+0 | 100.62 | 94.49 |
| 43+0 | 99.50 | 94.51 |
| 44+0 | 99.49 | 94.81 |
| 45+0 | 99.80 | 95.16 |
| 46+0 | 100.86 | 95.28 |
| 47+0 | 101.11 | 95.42 |
| 48+0 | 101.71 | 95.59 |
| 49+0 | 101.73 | 95.87 |
| 50+0 | 102.31 | 96.13 |

31+70-
12" tile from E
FL. 93.40

36+90
8" tile from W
FL 95.96

43+10
12" tile
Joh 94.81
FL 93.92

7
 O Elev. 98.04
 O 96.68
 O 102.64
 O 99.50
 O 101.76

S TK Ditch

| | | |
|----|--------|-------|
| 51 | 102.55 | 96.12 |
| 52 | 101.11 | 95.94 |
| 53 | 103.82 | 96.09 |
| 54 | 102.81 | 96.08 |
| 55 | 103.61 | 96.38 |
| 56 | 103.81 | 96.01 |
| 57 | 102.07 | 96.61 |
| 58 | 104.36 | 96.90 |
| 59 | 104.29 | 97.26 |
| 60 | 105.35 | 97.01 |
| 61 | 105.93 | 96.91 |
| 62 | 106.05 | 97.25 |
| 63 | 106.88 | 97.65 |
| 64 | 105.84 | 97.74 |
| 65 | 105.85 | 98.23 |
| 66 | 106.30 | 98.36 |
| 67 | 104.79 | 98.52 |
| 68 | 104.51 | 99.06 |
| 69 | 104.78 | 99.00 |
| 70 | 105.28 | 98.91 |
| 71 | 105.06 | 99.15 |
| 72 | 104.81 | 99.08 |
| 73 | 104.61 | 99.23 |
| 74 | 104.66 | 99.34 |
| 75 | 104.72 | 99.38 |

tile

sta 6674
10051 TOP
10001 Flowline W

010381

010381

0102.00

0105.85

 tile at 672

Flowline 99.48

Top. 100.00

~~Flowline 99.48~~
~~Flowline 99.48~~

sta 68452

Flowline 99.65

From W. 6"

 72497 tile from
E.

Flowline 98.94

10

| | Stk | Ditch |
|-----|--------|--------|
| 76 | 104.75 | 99.52 |
| 77 | 104.64 | 99.17 |
| 78 | 104.53 | 99.45 |
| 79 | 103.54 | 100.05 |
| 80 | 103.90 | 99.98 |
| 81 | 104.31 | 99.74 |
| 82 | 104.02 | 100.02 |
| 83 | 103.21 | 99.88 |
| 84 | 104.16 | 99.93 |
| 85 | 104.53 | 99.78 |
| 86 | 104.45 | 100.08 |
| 87 | 104.30 | 99.47 |
| 88 | 104.25 | 99.97 |
| 89 | 104.38 | 99.79 |
| 90 | 103.90 | 99.85 |
| 91 | 104.10 | 100.33 |
| 92 | 104.39 | 100.05 |
| 93 | 104.75 | 100.39 |
| 94 | 104.57 | 100.28 |
| 95 | 104.16 | 100.17 |
| 96 | 103.61 | 100.59 |
| 97 | 103.75 | 100.60 |
| 98 | 103.74 | 100.43 |
| 99 | 103.00 | 100.87 |
| 100 | 104.23 | 101.15 |

10710 tile from
E flow line 98.94

tile 81 + 50

From W.
Flow line 99.41

tile 83 + 82
from W.

100.93 flow line

93 + 27 tile
From W.

Flow line
101.00

96 + 90

tile from W.

Flow line 100.79

11
B.M.
on N.W. Cor
of rail of
Cul. under
H I + E tracks
El. 104.16

~~Flow line~~

101 10421/01.14
 102 10420/01.18
 103 10433/01.48
 104 10410/01.97
 104188 10421/01.81

← J.L.

2

| | 70% | Slk | Slk | 5 | 10 |
|----------------|-------|----------------------|-------|-------|-------|
| 0+0 | 9975 | 100.03 | 9995 | 10011 | 10024 |
| 0+10 | 10014 | | 10035 | | 10060 |
| 0+50 | 10279 | 10452 | 10437 | 10512 | 10615 |
| 1+0 | 10942 | 10926 ⁰¹³ | 11047 | 11097 | 11122 |
| 1+30 | 11122 | | 11165 | | 11190 |
| 2+0 | | | | | |
| 2+0 | 11023 | 11032 ¹³ | 11065 | | 11094 |
| 3+0 | 10920 | 10941 | | | 10953 |
| 4 | 10895 | 10880 | | | 10864 |
| 5 | 10883 | 10871 | | | 10853 |
| 6 | 10984 | 10961 | | | 10917 |
| 7 | 11581 | 11546 | | | 11482 |

| 10 | 2 | 15 | 10 | 5 | 5 | Slk | 103 |
|-------|-------|-------|---------------------|-------|-------|-------|-----|
| 10041 | 10052 | 10070 | 10075 | 10141 | 10160 | 10185 | |
| | 10090 | 10215 | 10470 ¹² | | 10687 | 10866 | |
| 10697 | 10813 | 10841 | 10967 | 11025 | 11079 | 11150 | |
| 11135 | 11166 | 11212 | 11229 | 11235 | 11227 | 11227 | |
| | 11210 | | 11206 | | 11192 | 11200 | |
| | 11133 | | 11139 | | 11128 | 11129 | |
| | 10976 | | 11017 | | 11035 | 11068 | |
| | 10889 | | 10925 | | 10910 | 10935 | |
| | 10871 | | 10897 | | 10854 | 10857 | |
| | 10937 | | 10915 | | 10900 | 10896 | |
| | 11423 | | 11360 | | 11314 | 11256 | |

113580

16

B.M. No 1.

B.M., top of curb at G. line
 Sta. Sta. 0+0. El. 100.08

B.M. No 2.

B.M. on N.W. Cor. Base of
 second brick post from
 N. El. 115.54
 Sta 7+05

17

17

9962 over Window
 95.37

9962

450

9512

9512

92.21

2.91

- 1723 W. of CEN. N. OF CEN. SEC 18 -
 0+00 N $88^{\circ}30' E$.
 3+42 DEF E. $-43^{\circ}26'$
 5+29 DEF E. $-49^{\circ}10'$
 12+11 DEF E. $-12^{\circ}46'$
 15+21 DEF. L $-78^{\circ}28'$
 18+84 DEF E $-68^{\circ}15'$
 19+33 E. & W. fence between W.C.
 and R.L. Dillon.
 19+33 -1039' E. to the Cen. of Sec 18.
 22+17 Def E. $-28^{\circ}39'$
 25+48 Def L $-36^{\circ}52'$ ✓
 28+90 Def. L $-36^{\circ}03'$ ✓
 33+10 DEF. L $-17^{\circ}36'$ ✓
 37+28 Def E $-8^{\circ}14'$ ← 8°
 42+77 Def L $-18^{\circ}04'$
 44+20 Def L $-17^{\circ}04'$
 44+75 Fence along W side
 of N + S Rd.
 44+94 E of N + S Rd.
 780' - South to S² mile
 stone of Sec. 18. -
 16' x 48" arched.
 45+10 E. Fence line of N + S
 Road and West line of Ohio
 Suburban

- 46+14 Def L. $21^{\circ}22'$
 47+53 Def L. $30^{\circ}49'$
 50+12 DEF R. $38^{\circ}55'$
 52+38 DEF L. $25^{\circ}47'$
 52+43 Surber E. line and
 Thompson W. line.
 53+67 Def R. $-36^{\circ}57'$
 59+31 Thompson E. line and
 Dugan's W. line.
 1048^N S. to Cen S. of Cen 58°
 of Sec 18.
 59+35 Def L. $7^{\circ}02'$
 66+29 Def L. $46^{\circ}13'$
 69+45 Def R. $9^{\circ}20'$
 75+01 N & S Fence. P. L. into
 77+34 arm No 1, culptier
 into main
 77+34 Def R. $-29^{\circ}41'$ Hill
 82+22 DEF R. $-5^{\circ}07'$
 83+34.5 DEF L. $-4^{\circ}15'$
 86+01.5 DEF R. $-28^{\circ}41'$ ✓
 88+20 DEF R. $-17^{\circ}20'$
 89+40 DEF R. $-52^{\circ}41'$
 ARM # 2 ENTERS MAIN Ditch

- 92+64 DEF L - 9°36'
- 95+0 DEF L - 37°01'
- 96+22 DEF R - 39°53'
- 99+0 DEF R - 13°35'
- 103+40 DEF L - 32°51'
- 106+48 DEF R - 10°50'
- 108+41 STATE PROP Co. S. line
and N. line of E. & W Road
- 108+57 E Road at Rosebaum
Bridge
- 108+68 DEF R - 4°12'
- 108+74 S. Fence of E. & W Road
and Rosebaum's N. Fence line
- 1010' - EAST TO 5TH MILE STONE
OF SEC. 17.
- 116+34 DEF L - 39°30'
- 117+65 DEF L - 47°00'
- 120+99 DEF R - 41°35'
- 121+57 DEF R 23°33'
- 122+72 DEF L 20°51'
- 124+09 DEF R 33°46'
- 125+12 DEF L 29°04'
- 127+0 Rosebaum E line and
W. line of Kuro Rd.
- 127+30 E Kuro Rd.

ROSEBAUM BRIDGE
CONCRETE FLAT TOP
14' SPAN
6' RISE

- 127+43 DEF R 28° 06'
 127+56 E line of Kears Rd
 and W line of Martin
 Johnson
 127+30 - 1248' N. to the N² mile
 stone of Sec 20.
 128+76 DEF R - 27° 13'
 131+14 DEF R - 28° 09'
 131+46 Martin Johnson's W line
 and E line of Kears Rd.
 131+76 E Rd.
 132+05 W line of Rd. and E.
 line of Rosebaum.
 132+32 Def L 26° 44'
 134+45 Def R 21° 45'
 136+13 Def R 19° 26'
 137+94 Def L 31° 07'
 139+04 DEF R 70° 40' ✓
 140+08 DEF L 28° 12'
 141+56 DEF L 42° 37'
 142+80 DEF R 32° 43'
 144+13 Rosebaum S line and
 Kears N. line
 approx 46' N of Kears N. line.

BRIDGE on Kears Rd.
 STA 127+30 - Concrete Flat Top.
 5' Rise - 14' Span.

2nd Bridge on Kears Rd.
 Sta 131+76 - Concrete Flat Top.
 5' Rise - 14' Span.

144+87 DEF R 17°12'
~~146+74 State Prop. S. line and
 Kans N. line~~

147+25 Def L 49°30'
 148+51 DEF R 32°26'
 152+26 DEF R - 25°04'
 155+02 DEF L - 27°09'
 158+18 DEF L - 15°12'
 160+51 DEF R - 15°52'
 163+03 DEF L - 15°31'
 165+01 DEF R - 50°33'
 166+51 DEF L - 25°00'
 169+08 DEF L - 28°46'
 170+41 Dodd N. line and

Kans S line Ditch
 goes into Dodd at Dodds
 N. E. corner.

170+86 DEF R 43°50'
 173+56 DEF L 50°28'
 178+40 DEF L 43°26'
 180+51 DEF L 40°30'
 182+55 DEF R 22°49'
 185+96 DEF R 15°16' ✓

186+91 Dodd S. line and
 Dinsmore N. line but
 ditch is about on Dodds E.
 line and Dinsmore W. line

173.56

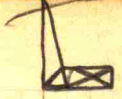
17.586

270

1213' from Dodd N. line
 to acton N. line.

1312' W from acton
 W line and Dodd E line
 to Rd.

- 186+79 DEF R 21° 28'
- 186+91 S.W. corner of Sec 20
is 25' E. of ditch
- 191+43 DEF R 10° 24'
- 94+18 DEF L 27° 04'
- 196+94 Cross Denison W
line and Odd E line
- 197+60 DEF R 10° 41'
- 199+11 DEF L 21° 09'
- 202+83 DEF R 21° 40'
- 04+15.5 DEF R 27° 47'
- 209+40 Chet Parker's E. line and
Denison's W line
- 209+78 DEF R - 4° 36'
- 210+83 DEF R - 30° 42'
- 213+07 DEF L - 44° 19'
- 15+75 N. line of E+W. Road +
Chet Parker's S. line.
- 215+91 E Rd.
- 15+99 DEF L 13° 18'
- 331' E. to the E² mile stone
of Sec 30. Thence North
490' to ditch at which point
ditch crosses Parker's E. line



85' E to ditch from Chet
Parker's N.E. corner approx
Sta 200+50
N.E. corner N. to ditch
is 300'

350
39307
4537

216+06 S. line of E. + W. Rd
and Waters N. line

224+63 DEF R $40^{\circ}25'$

227+45 DEF L $20^{\circ}42'$

231+26 Waters S. line + Wells
N. line.

237+54 DEF R $22^{\circ}00'$

238+76 DEF R $55^{\circ}26'$

41+40 DEF L - $13^{\circ}08'$

243+0 DEF R - $94^{\circ}27'$

245+22 DEF R - $54^{\circ}54'$ ✓

249+16 DEF L - $14^{\circ}37'$

251+36 Wells S. line and

Waddle + Warrick N. line
872' W. to S^r mile stone

Sec 30.

251+86 DEF L - $34^{\circ}06'$

253+31 DEF L - $1^{\circ}32'$

255+99 DEF L - $9^{\circ}18'$

260+18 DEF R - $32^{\circ}49'$

262+27 DEF R - $36^{\circ}39'$

264+29 DEF R - $19^{\circ}49'$

267+05 Thompson + Shultz entry

550' N. from Sta 267+05
where Thompson + Shultz enters
N. to 1st sec. line (E. + W.)

267+30 DEF L - 79°00'
 272+25 DEF L - 15°31'
 276+90 DEF L - 30°22'
 280+31 DEF L - 45°06'
 283+02 DEF R - 82°41'
 285+61 END OF DITCH - NORTH

EDGE OF BRIDGE

1156' W - FROM DITCH TO THE
 CEN. OF SEC. 31

30

LEVELS

Flow LINE OF TILE
FROM WEST, 102.83
FL. TILE FROM NORTH.

| STA | TOP OF STK. | ℄ | STA | TOP OF STAKE | ℄ |
|-------|----------------|--------|-------|-----------------|--------|
| 0+00 | 106.31 | 103.17 | 16+0 | 105.18 | 99.72 |
| 1+0 | 107.55 | 102.78 | 17+0 | 104.41 | 99.74 |
| 2+0 | 107.63 | 103.05 | 18+0 | 104.10 | 100.05 |
| 3+0 | 107.16 | 102.62 | 18+84 | 105.18 | 105.05 |
| 3+42 | 107.43 | 102.65 | 19+0 | 105.03 | 104.36 |
| 4+0 | 106.36 | 105.90 | 20+0 | 103.10 | 102.60 |
| 5+0 | 106.05 | 105.48 | 21+0 | 102.58 | 102.19 |
| 5+29 | 105.88 | 105.53 | 22+0 | 102.64 | 99.13 |
| 6+0 | 106.51 | 106.07 | 22+17 | 102.90 | 99.07 |
| 7+0 | 105.98 | 105.57 | 23+0 | 102.29 | 97.95 |
| 8+0 | 105.85 | 101.24 | 24+0 | 102.19 | 97.67 |
| 9+0 | 105.30 | 101.25 | 25+0 | 102.18 | 97.33 |
| 10+0 | 105.00 | 100.73 | 25+48 | 101.60 | 97.25 |
| 11+0 | 105.20 | 100.71 | 26+0 | 101.00 | 97.04 |
| 12+0 | 104.50 | 100.78 | 27+0 | 100.65 | 96.81 |
| 12+11 | 105.38 | 100.80 | 28+0 | 100.35 | 96.10 |
| 13+0 | 106.63 | 104.60 | 28+90 | 100.47 | 95.82 |
| 14+0 | 102.23 | 104.59 | 29+0 | 100.90 | 95.77 |
| 15+0 | 103.94 | 100.71 | 30+0 | 100.35 | 95.80 |
| 15+21 | 103.77 | 100.50 | 31+0 | 97.19 | 95.47 |

B.M. on E.
corner post of gate
300' W. of Sta 19+33
EL. 112.06

610606
ON APR 15 1937

~~104.52~~
105.40

10102.60

10100.34

10700

| 38 | TOP OF STAKE | £ | STA | TOP STAKE | £ |
|-------|--------------|-------|-------|-----------|-------|
| 32+0 | | 95.35 | 50+10 | 94.63 | 91.74 |
| 33+0 | 99.66 | 95.30 | 51+0 | 95.64 | 91.47 |
| 33+10 | 99.92 | 94.68 | 52+0 | 95.10 | 91.58 |
| 34+0 | 99.40 | 95.04 | 52+38 | 94.87 | 91.08 |
| 35+0 | 98.85 | 94.00 | 53+0 | 94.76 | 91.67 |
| 36+0 | 97.86 | 93.60 | 53+67 | 94.52 | 91.35 |
| 37+0 | 98.14 | 93.70 | 54+0 | 94.30 | 91.32 |
| 37+28 | 97.86 | 93.60 | 55+0 | 94.80 | 91.00 |
| 38+0 | 97.49 | 93.86 | 56+0 | 94.77 | 90.83 |
| 39+0 | 96.82 | 93.55 | 57+0 | 93.92 | 90.64 |
| 40+0 | 96.45 | 93.30 | 58+0 | 94.40 | 90.61 |
| 41+0 | 96.32 | 92.97 | 59+0 | 94.41 | 90.34 |
| 42+0 | 95.53 | 92.81 | 59+35 | 93.42 | 90.22 |
| 42+77 | 95.50 | 92.14 | 60+0 | 93.42 | 89.76 |
| 43+0 | 95.66 | 92.22 | 61+0 | 92.88 | 89.71 |
| 44+0 | 95.45 | 92.50 | 62+0 | 92.70 | 89.82 |
| 44+20 | 95.58 | 92.60 | 63+0 | 91.85 | 90.20 |
| 45+0 | 95.93 | 91.44 | 64+0 | 91.69 | 89.71 |
| 46+0 | 95.22 | 92.25 | 65+0 | 91.73 | 89.59 |
| 46+14 | 95.15 | 92.43 | 66+29 | 91.27 | 88.94 |
| 47+0 | 94.36 | 92.14 | 67+0 | 91.63 | 88.90 |
| 47+53 | 95.27 | 92.35 | 68+0 | 91.33 | 89.20 |
| 48+0 | 94.83 | 92.23 | 69+0 | 91.80 | 91.57 |
| 49+0 | 94.45 | 91.60 | 69+45 | 91.84 | 91.47 |
| 50+0 | 94.69 | 91.55 | 70+0 | 91.95 | 91.40 |

| | | 39 |
|-------|--------------|-----------------|
| 31+50 | - 6" tile EL | 96.85 |
| 32+90 | - 6" " " " | 96.38 |
| 35+50 | 6" " " " | 95.38 |
| 38+60 | - " " " | 93.00 |
| 43+50 | - " " " | 91.53 - Top |
| | | <u>92.90</u> |
| | | <u>95.93</u> |
| | | <u>94.49</u> |
| | | 4.40 |

B. 17. on SW corner of lower
concrete step on So. side of this
Surber's house EL. 101.75

47+20 - Tile 92.70 - Top
53+95 - Tile 91.75 - Top
54+80 - Tile 91.08 - Fl.

66+0 - ^{sik} 91.49 - [£] 88.80

91.96

| Top STA | STK | £ |
|------------|-------|-------|
| 71+0 | 91.03 | 90.95 |
| 72+0 | 91.87 | 88.93 |
| 73+0 | 91.74 | 88.20 |
| 74+0 | 91.16 | 88.60 |
| 75+0 | 9 | 88.29 |
| 76+0 | 91.21 | 88.80 |
| 77+0 | 91.18 | 88.12 |
| 77+34 | 92.42 | 87.81 |

| Grade | STK | BANK | EDGE DITCH | EDGE DITCH | BANK |
|-------|-------------------|--------------------|--------------------|--------------------|--------------------|
| 77+34 | 91.93 | 91.10 ⁴ | 8818 ⁸ | 8814 ¹² | 9080 ¹³ |
| 80+0 | 91.09 | 9013 ³ | 8813 ⁸ | 8804 ¹² | 9210 ¹³ |
| 82+22 | 9065 ⁴ | 9070 ⁴ | 8783 ⁸ | 8791 ¹⁴ | 9068 ¹³ |
| 83+34 | 9254 | 9255 ³ | 8810 ⁸ | 8739 ¹⁴ | 9318 ¹³ |
| 86+0 | 9145 | 9145 ⁸ | 8725 ¹¹ | 8776 ¹² | 9047 ¹³ |
| 88+20 | 91.68 | 9200 ⁴ | 8705 ¹¹ | 8730 ¹⁶ | 9137 ²⁰ |
| 89+40 | | | | | |
| 92+4 | | | | | |
| 95+0 | | | | | |
| 96+22 | | | | | |
| 99+0 | | | | | |
| 01+0 | | | | | |
| 03+40 | | | | | |
| 06+48 | | | | | |
| 08+66 | | | | | |

50k-77+34-EL. 92.42

BTA on Concrete in general
75' S. of sta 75+01
on. Highest part EL. 92.37

| OUTSIDE BANK | top of DITCH |
|---------------------|-----------------|
| 91.20 ²⁴ | 9242 |
| 91.32 ²³ | 9145 |
| 9010 ²⁴ | 9100 |
| 9226 ²⁴ | 9275 |
| 9081 ³³ | 9182 |
| 91.11 ²⁵ | 9206 |
| | 9122 |

9140

9122

| STA | TOP STK | GROUND STK | BANK | BOTTOM BANK | £ | BOTTOM BANK | BANK | GROUND | Notes |
|-------|------------|---------------|------|----------------|------|----------------|-----------|--------|--|
| 39+40 | 9135 | 9099 | 9061 | 8836 | 8673 | 9748 | 7060 (24) | 9047 | tile from E. sta. 9568 |
| 42+64 | 9090 | 9045 | 9027 | 8726 | 8621 | 8733 | 9060 | 9040 | Cl. 85.90 7L |
| 45+00 | 9022 | 8984 | 8990 | 8700 | 8642 | 8765 | 9107 | 9042 | rise 6" |
| 46+22 | 9103 | 9063 | 9005 | 8713 | 8613 | 8759 | 8981 | 8990 | tile from E. sta. 9895 |
| 49+0 | 9087 | 8995 | 8917 | 8669 | 8576 | 8703 | 8881 | 8905 | Cl. 8591 top |
| 51+0 | | 9004 | 8976 | 8652 | 8537 | 8613 | 8952 | 8953 | 0 9038 |
| 53+40 | 8957 | 8900 | 8812 | 8625 | 8536 | 8647 | 9032 | 8998 | 8' tile from W. sta. 104600 |
| 56+48 | 8985 | 8948 | 8876 | 8607 | 8491 | 8620 | 8960 | 8961 | Cl. 8597 top |
| 58+68 | 9116 | 9080 | 9070 | 8511 | 8471 | 8573 | 9003 | 8997 | 08985 |
| 10+0 | | 8904 | 8997 | 8685 | 8495 | 8605 | 8985 | 8966 | tile from W. 14" |
| 14+0 | | 8885 | | | 8880 | | | 8990 | 108+70 sta |
| 16+34 | 8893 | 8862 | 8923 | 8603 | 8475 | 8608 | 8936 | 8896 | Cl. 10576 7L. some water |
| 17+65 | 8900 | 8860 | 8760 | 8550 | 8480 | 8674 | 8904 | 8876 | B.M. on top of wall at West end of hand rail |
| 20+99 | 8920 | 8876 | 8864 | 8520 | 8411 | 8515 | 8785 | 8793 | Cl. 91.67 |
| 21+57 | 8930 | 8886 | 8872 | 8482 | 8436 | 8536 | 8769 | 8792 | Road barrier bridge 108+68 |
| 22+72 | 8917 | 8882 | 8863 | 8473 | 8384 | 8572 | 8822 | 8817 | tile from E. sta. 110+25 |
| 24+09 | 8880 | 8840 | 8806 | 8463 | 8355 | 8486 | 8746 | 8787 | Cl. 8689 7L |
| 25+12 | 8855 | 8840 | 8857 | 8457 | 8364 | 8490 | 8806 | 8806 | 10" tile from W. 117+30 |
| 27+43 | 8824 | 8888 | 8830 | 8876 | 8317 | 8394 | 8674 | 8726 | Cl. 85.02 top |
| 28+76 | 8850 | 8809 | 8655 | 8402 | 8387 | 8445 | 8710 | 8701 | |
| 31+14 | 8812 | 8780 | 8731 | 8423 | 8300 | 8453 | 8706 | 8730 | |
| 32+32 | 8744 | 8709 | 8904 | 8408 | 8303 | 8448 | 8876 | 8717 | |
| 34+45 | 8704 | 8665 | 8642 | 8426 | 8215 | 8316 | 8697 | 8735 | |
| 36+13 | 8695 | 8660 | 8624 | 8406 | 8268 | 8300 | 8692 | | |

0 89.50

~~91.35~~

tile from E. sta. 9568

Cl. 85.90 7L

rise 6"

tile from E. sta. 9895

Cl. 8591 top

0 9038

8' tile from W. sta. 104600

Cl. 8597 top

08985

tile from W. 14"

108+70 sta

Cl. 10576 7L. some water

B.M. on top of wall at West end of hand rail

Cl. 91.67

Road barrier bridge 108+68

tile from E. sta. 110+25

Cl. 8689 7L

10" tile from W. 117+30

Cl. 85.02 top

| STA | TOP STK | GROUND AT STK | BANK | BOTTOM BANK | £ | BOTTOM BANK | BANK | GROUND |
|--------|---------|---------------|-------------------|--------------------|--------------------|--------------------|--------------------|--------------------|
| 137+94 | 8705 | 8660 | 8592 ³ | 8528 ⁷ | 8720 ¹¹ | 8365 ¹⁵ | 8645 ²⁰ | 8680 ²⁷ |
| 139+04 | 8766 | 8735 | 8670 ⁴ | 8605 ⁸ | 8713 ¹⁵ | 8248 ¹⁹ | 8600 ²⁵ | 8685 ³⁰ |
| 140+08 | 8645 | 8598 | 8493 ³ | 8280 ⁸ | 8227 ¹⁴ | 8330 ¹⁸ | 8590 ²³ | 8642 ³⁰ |
| 141+56 | 8835 | 8796 | 8696 ² | 8350 ¹⁰ | 8179 ¹⁶ | 8330 ²⁰ | 8608 ²⁶ | 8640 ³¹ |
| 142+80 | 8780 | 8698 | 8590 ³ | 8257 ⁷ | 8145 ¹¹ | 8257 ¹⁸ | 8619 ²⁵ | 8625 ²⁹ |
| 144+87 | 8688 | 8636 | 8540 ³ | 8302 ⁸ | 8185 ¹⁵ | 8309 ²² | 8607 ²⁷ | 8566 ³³ |
| 147+25 | 8650 | 8611 | 8614 ⁴ | 8206 ⁴ | 8095 ¹⁴ | 8206 ¹⁰ | 8690 ²⁵ | 8677 ³² |
| 148+51 | 8719 | 8685 | 8604 ⁵ | 8209 ⁴ | 8124 ¹⁴ | 8244 ¹⁵ | 8726 ²⁵ | 8586 ³⁴ |
| 152+26 | 8620 | 8571 | 8574 | 8195 ⁸ | 8065 ¹³ | 8170 ¹⁸ | 8571 ²⁵ | 8690 ³⁰ |
| 155+02 | 8582 | 8530 | | 8082 ⁶ | 7990 ¹⁰ | 8108 ¹⁴ | 8600 ²⁴ | 8603 ³¹ |
| 158+18 | 8558 | 8505 | 8478 | 8091 ¹² | 7935 ¹⁴ | 8116 ¹⁸ | 8560 ²⁴ | 8590 ³⁰ |
| 160+51 | 8443 | 8397 | 8275 | 7998 ¹² | 7946 ¹⁶ | 7980 ¹⁸ | 8531 ²⁵ | 8563 ³³ |
| 163+03 | 8536 | 8493 | 8194 | 7922 ¹³ | 7835 ¹⁶ | 7990 ²¹ | 8233 ²⁵ | 8465 ³³ |
| 165+01 | 8572 | 8476 | 8433 ² | 7932 ¹⁴ | 7837 ¹⁴ | 7945 ⁴⁸ | 8306 ⁴⁸ | 8467 ⁵⁴ |
| 166+51 | 8463 | 8221 | 8137 | 7936 ⁸ | 7832 ¹² | 7981 ¹⁵ | 8194 ²⁴ | 8424 ³¹ |
| 169+08 | 8446 | 8406 | 8384 | 7952 ²⁰ | 7895 ²⁰ | 7950 ³¹ | 8107 ³⁸ | 8311 ⁴³ |
| 170+86 | 8476 | 8430 | 8352 ⁴ | 8006 ⁶ | 7906 ¹⁵ | 7943 ²⁴ | 8403 ³¹ | 8342 ³⁵ |
| 173+56 | 8481 | 8444 | 8460 ⁵ | 7942 ¹⁰ | 7835 ¹⁷ | 7938 ²² | 8113 ²⁷ | 8426 ³² |
| 174+50 | | 8413 | 8438 ⁵ | 8460 ¹⁰ | 8293 ¹⁷ | 8005 ²³ | 7830 ²⁸ | |
| 177+0 | 8407 | 8366 | | 8314 ¹⁵ | | | 8128 ³⁰ | 8250 ⁴⁵ |
| 178+10 | 8375 | 8342 | 8364 ⁵ | 7831 ¹⁵ | 7769 ¹⁴ | 7994 ²⁰ | 8074 ²⁸ | 8343 ³³ |
| 180+51 | 8502 | 8460 | 8391 ⁵ | 7890 ¹⁸ | 7765 ¹⁶ | 8079 ²⁸ | 8035 ³⁵ | 8321 ³² |
| 182+55 | 8379 | 8308 | 8210 ⁵ | 7888 ²⁰ | 7777 ¹⁴ | 7976 ³⁰ | 8240 ³⁵ | 8219 ⁴⁰ |
| 185+96 | 8377 | 8345 | 8313 ³ | 7835 ¹⁰ | 7695 ¹⁰ | 7762 ²⁵ | 8142 ³³ | 8147 ³⁶ |
| 186+79 | 8250 | 8219 | 8221 ³ | 7747 ¹² | 7691 ¹⁶ | 7806 ²⁶ | 8180 ³⁵ | 8236 ³⁸ |

6" fill
from West
Sta 24185
el. 844074

13A on
top of 8 E wing
next to hand
rail
el. 8875

tile from E
128+10
el. 847574

B.M. on Bend
east Rail of
Bridge Sta
131+65
el. 9103

tile from
6" fill
el. 841674
sta 13015

6" fill from
West Sta 38+10
768410

tile from E 15825
8346 34

tile from W 6"
140+95
el. 8447

tile from
Sta 145+35
el. 8215

| STA 46 | TOP OF STK | GROUND AT STK | BANK | BOTTOM OF BANK | ↓ | BOTTOM OF BANK | BANK | BANK | GROUND | tile from W 67 |
|----------|------------|---------------|------|----------------|------|----------------|------|------|--------|-----------------|
| 189+0 | | 8220 | 8233 | 7757 | 7653 | 7734 | 7815 | 32 | 829040 | Sta 16890 |
| 191+43 | 8171 | 8135 | 8201 | 7730 | 7629 | 7761 | 8096 | 30 | 813635 | Fl. 8125 |
| 194+18 | 8072 | 8036 | 8040 | 7675 | 7556 | 7656 | 8094 | 30 | | 12' tile from W |
| 197+60 | 8177 | 8140 | 8052 | 7661 | 7479 | 7590 | 7764 | 20 | 823632 | Sta 18185 |
| 199+11 | 8140 | 8103 | 8068 | 7497 | 7470 | 7581 | 7702 | 22 | 814727 | tile from E |
| 202+83 | 8075 | 8070 | 7965 | 7560 | 7410 | 7494 | 7695 | 23 | 808732 | Sta 188180 |
| 204+15.5 | 8104 | 8072 | 7964 | 7490 | 7420 | 7452 | 7680 | 24 | 802430 | Fl. 7716 |
| 207+0 | | 7995 | 7973 | 7585 | 7362 | 7463 | 7995 | 29 | 791035 | tile from E |
| 209+78 | 7968 | 7929 | 7840 | 7476 | 7442 | 7470 | 7911 | 36 | | Sta 206+75 |
| 210+83 | 8011 | 7977 | 8001 | 7536 | 7485 | 7455 | 7913 | 30 | | Fl. 7027 |
| 213+07 | 7900 | 7887 | 7829 | 7531 | 7365 | 7485 | 7880 | 31 | 798337 | tile from W 81 |
| 215+99 | 8053 | 8023 | 7976 | 7359 | 7374 | 7370 | 8000 | 22 | 800125 | Sta 214+50 |
| 219+0 | 7805 | 7786 | 7692 | | 7281 | 7392 | 7751 | 20 | 776035 | Fl. 74649L |
| 222+0 | | 7783 | 7708 | 7371 | 7245 | 7367 | 7805 | 30 | 777935 | tile from W 41 |
| 224+63 | 7810 | 7760 | 7645 | 7314 | 7231 | 7400 | 7733 | 31 | 770434 | Sta 215+50 |
| 227+45 | 7830 | 7788 | 7635 | 9920 | 7181 | 7330 | 7683 | 30 | 769035 | Fl. 7472.7L |
| 231+0 | | 7600 | 7586 | 7200 | 7108 | 7234 | 7570 | 35 | 769035 | B.M. on |
| 234+0 | | 7636 | 7624 | 7010 | 7091 | 7217 | 7582 | 34 | 752140 | Top of SW |
| 237+54 | 7611 | 7566 | 7520 | 7128 | 7097 | 7087 | 7441 | 31 | 758138 | at Bottom |
| 238+76 | 7581 | 7552 | 7671 | 7170 | 7072 | 7060 | 7690 | 30 | 783138 | of Handrail |
| 241+40 | 7606 | 7553 | 7587 | 7101 | 7006 | 7203 | 7507 | 25 | 749732 | Sta 215+99 |
| 243+0 | 7465 | 7414 | 7430 | 7097 | 6908 | 7063 | 7488 | 38 | 746243 | Fl. 80.78 |
| 245+22 | 7404 | 7363 | 7238 | 6971 | 6943 | 7031 | 7556 | 30 | 800040 | tile from E. 6" |
| 247+0 | | 7426 | | 6923 | 6885 | 7031 | 7305 | 28 | 737240 | Sta 218+25 |
| 249+16 | 7386 | 7347 | 7172 | 6916 | 6882 | 6928 | 7211 | 30 | 728035 | Fl. 74.20 |

| STA | TOP STK | GROUND AT STK | BANK | BOTTOM OF BANK | ± | BOTTOM OF BANK | BANK | GROUND | |
|--------|-------------------|---------------------|--------------------|----------------------|--------------------|----------------------|---------------------------------------|--------------------|--|
| 251+86 | 7358 ⁰ | 7331 | 7210 ⁹ | 6945 ⁸ | 6263 ²¹ | 6917 ²³ | 7206 ³² | 7227 ³² | 7346 ⁰ 6907 ⁰ |
| 253+31 | 7305 | 7252 | 7161 ⁹ | 6785 ⁷ | 6756 ² | 6821 ²⁰ | 7222 ²² | 7340 ³⁰ | 6692 ⁰ |
| 255+99 | 7257 | 7209 | 7119 ⁵ | 6871 ¹³ | 6747 ¹¹ | 6860 ²² | 710 ²⁷ | 7263 ³⁸ | |
| 258+0 | | 7279 | 7282 ⁰ | 7240 ¹⁰ | 7222 ²¹ | 7209 ³⁰ | 7306 ⁴⁰ | | 7293 50 |
| 260+18 | 7130 | 7094 | 7068 ⁴ | 6850 ⁸ | 6726 ³ | 6808 ²⁵ | 7068 ²⁸ | 7130 ³² | 7343 |
| 262+27 | 7164 | 7127 | 7095 ³ | 6808 ⁶ | 6710 ¹⁴ | 6784 ²⁰ | 6930 ²⁶ 7253 ²⁹ | 7355 ⁴⁰ | 6831 ⁰ |
| 264+29 | 7120 | 7080 | 7067 ⁵ | 6740 ⁸ | 6661 ¹⁶ | 6735 ²¹ | 7070 ²⁷ | 7150 ³⁵ | 7200 ⁰ |
| 267+30 | 7053 | 707 | 7000 ¹⁰ | 6685 ²¹ | 6575 ¹¹ | 6720 ³⁴ | 7065 ⁴⁵ | 7023 ⁵⁰ | |
| 270+0 | | 7110 | 7021 ⁵ | 6697 ⁷ | 6570 ²² | 6728 ³⁴ | 6917 ³⁶ | 6996 ⁴⁰ | |
| 272+25 | 7284 | 7246 | 7036 ¹ | 6592 ¹⁷ | 6542 ²² | 6692 ³¹ | 7131 ³⁵ | 7187 ⁴⁵ | |
| 275+0 | 7152 ⁰ | 6878 | 6817 ² | 6618 ⁸ | 6548 ²² | 6565 ²⁰ | 6860 ³⁵ | 6857 ⁴⁵ | |
| 276+90 | 7743 ³ | 7373 | 7293 ⁵ | 6604 ¹⁷ | 6753 ¹¹ | 6629 ³³ | 6735 ³⁶ | 6806 ⁴⁰ | |
| 280+31 | 6937 | 6901 | 6815 ⁷ | 6426 ²⁰ | 6320 ¹⁰ | 6442 ³⁰ | 6645 ³³ | 6770 ⁴⁰ | |
| 283+02 | 6747 | 6707 | 6618 ⁵ | 6362 ¹¹ | 6275 ¹⁰ | 6419 ²⁵ | 6550 ²⁸ | 6770 ³⁶ | 6680 ⁴¹ |
| 285+61 | | | 6875 ¹ | 6403 ⁸ | 6243 ¹⁰ | 6413 ³⁶ | | 661340 | |

cross section north of Thompson Valley Drain

6630

Sta 285+61
B.M. on N. end of W. about
NE corner at bottom of
mud wall.

EL. 73.16

Check Bench Marks

B.M. - Sta 285461 - EL. 73.16

- 0 83.50
- 0 88.88
- 0 93.45
- 0 91.38
- 0 90.96
- 0 87.00
- 0 80.09
- 0 79.02
- 0 80.08
- 0 83.28
- 0 84.47
- 0 8071
- 0 8406
- 0 8343
- 0 8080
- 0 8535
- 0 87.65
- 0 8210
- 0 80.24
- 0 85.07
- 0 90.56
- 0 89.77
- 0 89.25
- 0 89.20

SW. cor. Patton St

SE cor. C. and S. rail

check of B.M. at Chet Parkers B.M. 21549

Noon.

9103
9105

9103 B.M.
9110 check

check

0 91.10
 0 88.82
 0 94.27
 0 91.71
 0 91.13
 0 96.49
 0 92.59
 0 92.10
 0 94.64
 0 95.75
 0 90.74
 0 92.35
 0 91.57
 0 91.83
 0 92.61
 0 94.34
 0 100.42
 0 105.57
 0 108.67
 0 105.12
 0 104.38
 0 102.07
 0 101.72

BM
 91.03
 88.75 } along
 road
 1200 ft

BM
 91.67 } Roadway
 Bridge

BM
 96.43 } at outlet
 of arm #1

BM
 95.75 } Head of
 arm #2

BM on con. slope
 at outlet of
 92.37 arm #1

BM
 108.65 } at head of
 arm #1

BM
 112.06 } at head of
 Main
 101.75 } arm
 101.75 }

56

| Sta | Sh. of Stk | Bank | Bank | Bank | Bank |
|------|------------|--------|-------|-------|-------|
| 0+0 | 10600 | 10530 | 10591 | 10496 | 10617 |
| 3+0 | 10667 | 10617 | 10319 | 10312 | 10611 |
| 6+0 | 106.01 | | 10572 | | 10527 |
| 9+0 | 104.72 | 10495 | 10180 | 10130 | 10460 |
| 12+0 | 104.21 | 105.00 | 10090 | 10095 | 1056 |
| 15+0 | 103.70 | 104.66 | 10070 | 10080 | 10477 |
| 18+0 | 10371 | 10330 | 10022 | 9995 | 10379 |
| 21+0 | 10185 | | 10120 | | 10195 |
| 24+0 | 10178 | 10123 | 9845 | 9812 | 10129 |
| 27+0 | 9997 | 10081 | 9772 | 9733 | 9982 |
| 30+0 | 10046 | 9992 | 9617 | 9585 | 9992 |
| 33+0 | 9920 | 9867 | 9536 | 9537 | 9813 |
| 36+0 | 9750 | 9711 | 9423 | 9467 | 9755 |
| 39+0 | 9640 | 9590 | 9385 | 9396 | 9657 |
| 42+0 | 9543 | 9486 | 9315 | 9319 | 9490 |
| 45+0 | 9580 | 9534 | 9335 | 9342 | 9510 |
| 48+0 | 9445 | 9394 | 9266 | 9267 | 9476 |
| 51+0 | 9538 | 9455 | 9234 | 9225 | 9415 |
| 54+0 | 9388 | 9368 | 9197 | 9190 | 9850 |
| 57+0 | 9371 | 9338 | 9163 | 9095 | 9367 |
| 60+0 | 9320 | 9280 | 9050 | 9085 | 9351 |
| 63+0 | 9170 | 9225 | 9073 | 9001 | 9260 |
| 66+0 | 9126 | 9115 | 8967 | 8974 | 9129 |
| 69+0 | 9150 | 9144 | 9170 | 9192 | 9207 |
| 72+0 | 9091 | 9100 | 9116 | 9137 | |
| 75+0 | 9075 | 9001 | 8875 | 8863 | 9004 |

Back of Bank

10666⁶
10668¹⁶10472²³
10477¹⁷10470²⁰
10408²⁰10330¹⁹10208²⁶9964¹⁸9998²⁰9853²⁰9705²²9645¹⁵9468²¹7547¹⁸7515¹⁸7425²²9376²²9340²²9290²⁴
9184²⁵
9127²⁴
9197²⁵
9220²⁶
9040²¹

105.13

~~102.84~~~~104.91~~~~99.70~~~~97.71~~~~96.6~~~~94.5~~~~91.63~~

92.36 check

Bm Cl. Sta 75+0

Bm Cl 92.37

2 Q of lower end

2 of W+W From Near Bridge on,

- 13 6237
- 26 6230
- 39 6100
- 12 5931
- 15 6025
- 18 6968
- 21 5686
- 24 5619
- 27 5510
- 30 5555
- 33 5540
- 36 5564
- 39 5440
- 42 5501
- 45 5377
- 48 5426
- 51 5345
- ~~54~~
- 57 5233
- 60 5145
- 63 5138
- 66 50.31
- 69
- 72
- 75

From ditch
6065

6243
50.31

12.12

B.M. EL. 67.16
on Warwick Bridge
on S. Wabut. on Secor
where wing turns
S.W.

{ worn } 56265
{ on Rocks } 53997

~~5525~~
~~557.18~~
056.42

5345
~~6243~~
~~5345~~
71.03

8.

55.75
50.07

B.M. EL. 59.14
on W Wabut wall.
where wing breaks from
abutment

check arm #2

0+0
0+50
1+0
1+50
2+0
2+50
3+0
3+50
4+0
4+50
5+0

| Sta | 72 El. | Size | From | Top |
|-------|--------|------|------|-------|
| 29+65 | 97.97 | | | 88.05 |
| 19+90 | 9051 | 5" | W | 90.85 |
| 4+72 | 9163 | 6" | N | |

Below arm #1

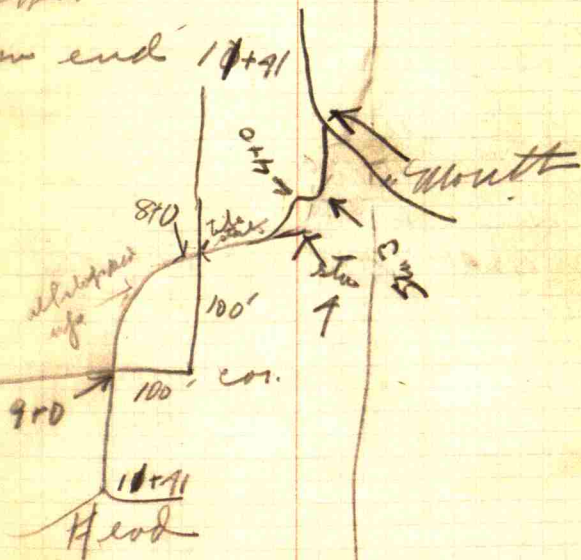
| Sta | El | Size | From | top. |
|-------|------|------|------|------|
| 28+86 | 9215 | 6" | N | |
| 24+72 | 9383 | 6" | S | |

D. Main

| | | | | |
|-----|-------|----|--|--|
| 5+0 | 10240 | 6" | | |
| 5+0 | 10292 | 7" | | |
| 5+0 | 10210 | 4" | | |

8" tile empty
 Arm of
 arm of Arm N1
 turns East at Sta 3
 to Sta 4 then back
 north.

Arm end 10+91



88.05
 87.40
 65
 88.05
 38
 77

Arm of Arm #1
♀

| | |
|--------------|------|
| 0 | |
| 1 | 8981 |
| 2 | 9031 |
| 3 | 9018 |
| 4 | 9069 |
| 5 | 9091 |
| 6 | 9116 |
| 7 | 9148 |
| 8 | 9173 |
| 9 | 9271 |
| 10 | 9298 |
| 11 | 9295 |
| 11491 | 9299 |

9145 Flight 8" tile

tile

9151

285+61 DEF L - $32^{\circ}36'$ - sk 30' 78

286+50 Leave old channel

289+0

289+80 Intersects old channel 289+80

292+0

294+79 Def L $29^{\circ}03'$
Crosses old channel

296+0

297+0 crosses old channel.

298+0 Pittsboro Ditch crosses in

298+57 Def L $65^{\circ}33'$

300+0

301+0 Def L $30^{\circ}45'$

302+0 Def. L $18^{\circ}-18'$

304+0 Def. L $8^{\circ}-48'$ crosses old channel

305+0 leaves old channel.

306+0

307+63 Def R $11^{\circ}-50'$ reverts old channel

1103 Feet from Weaver Bridge to
Warwick Bridge

(309+75) Def. R 15°-57'

310+50 Crosses old channel, 4th

(312+0) Def. R

312+50 Crosses old channel.

(313+0) Def. R. 42°-42'

(314+85)

(318+0)

319+42 Def. R. 8°-51'

319+72 Crosses old channel.

(322+0)

324+78 Crosses old channel (B)

(326+0)

328+83 Crosses old channel.

(330+28) Def. L 30°-10'

(332+10) Crosses old channel.

(335+0)

338+0

339+0 Def R, $56^{\circ}26'$

341+0

into old channel.

343+66

345+0

347+30 center of bridge

348+06 Def L $61^{\circ}00'$

351+70

354+75 Def R $17^{\circ}20'$

356+54 Def R. $32^{\circ}18'$

360+53 Def R. $50^{\circ}41'$ ✓

362+58

364+76 Def R. $28^{\circ}04'$

368+22 Def R. $26^{\circ}58'$

371+0

372+0 ditch near old channel

823 feet from S end of
main Road to Bridge at
N. + N.

81

82
373+0

374+75 Ditch 1/2 old channel

375+34 Def. R. $5^{\circ}-23'$

377+63 Def. L $17^{\circ}-06'$

379+51 Def. L $28^{\circ}-18'$

382+85 Def. L $37^{\circ}-21'$

386+0

390+0

392+35 Def. L $2^{\circ}-55'$

394+09 Ditch leaves old channel

395+40 Def. R $13^{\circ}-30'$

397+39 Def. R $69^{\circ}-07'$

400+75

403+13 Def. L $23^{\circ}-00'$

407+0

83
480 feet from Ditch to
on stone at Sparks cemetery

789

51

540

410+0

412+43 Def. L $25^{\circ}-45'$

413+0 Ditch leaves old channel

416+21 Def. R $26^{\circ}-47'$

418+13 Def. R. $39^{\circ}-25'$

421+47 Def. R $23^{\circ}-24'$

422+20 Hits old channel

422+47 leaves old "

423+20 Hits old channel.

~~423+37 leaves "~~

425+34 Def. R $32^{\circ}-40'$

428+57 Def. R $4^{\circ}-54'$

429+95 Ditch, leaves old channel.

431+0

432+97 Def. L $54^{\circ}-28'$

437+0 End of drain

429+34

85

2273 feet from Cor. Stone
at Sparks Cem. S to Surber
Arch.

88

TJK
skkGround
at
skk

Bank

Bottom
Bank

E

Bottom
Bank

Bank

Ground.

| | | | | | |
|---------|-------|-------|-------|----------------------|--|
| 286+50 | 64.74 | 64.10 | 67.30 | 62.80 | |
| x 287+0 | | | | 67.25 | |
| 288+0 | 68.35 | 67.49 | 66.43 | | |
| x 289+0 | | | | 66.10 | |
| 289+80 | | | | 65.95 | |
| +90 | | | | 62.05 | |
| +96 | | | | 62.40 | |
| 290+10 | | | | 68.95 | |
| 291+0 | | | | 67.75 | |
| 291+75 | | | | 66.65 | |
| 291+80 | | | | 64.50 | |
| 292+0 | 65.58 | 65.00 | 64.40 | Level | |
| 293+0 | | | | 66.00 | |
| 294+0 | | | | 67.25 | |
| 294+10 | | | | 65.45 | |
| 294+19 | 64.00 | 63.71 | | Bot. stream 60.40 | |
| 294+85 | | | | 60.40 | |
| 294+95 | | | | 60.60 | |
| 295+0 | | | | 64.30 | |
| 295+25 | | | | 66.90 | |
| 296+0 | 65.20 | 64.55 | Level | 65.30 | |
| 296+60 | | | | 62.45 | |
| +70 | | | | 61.20 | |
| +80 | | | | 63.65 | |
| +90 | | | | 63.80 | |

64.74

89

B.M.
285+61
17' end of W.
about. NE
Cor. of bottom
of mud wall
73.16

65.25

Top
shGround
sh

E

| | | | | | |
|--------|-----------------------------------|-------|------------------------------------|---------------------|---------------------|
| 297+0 | | | | | 6045 |
| 297+20 | | | | | 5972 |
| 297+25 | | | | | 6310 |
| 297+95 | | | | | 6260 |
| 298+0 | | | | | 5985 |
| 298+57 | 65.12 | 64.61 | 60.10 | | 60.50 ²⁰ |
| 299+0 | 73.75 ¹⁵ | | | | 60.69 |
| 300+0 | 63.78 | | 63.45 ⁸ | 60.40 ¹⁵ | 60.30 ²⁰ |
| 301+0 | | | | | 6012 |
| 302+0 | 62.80 ⁰ | | | | 5945 |
| 303+0 | | | | | 5930 |
| 304+0 | 74.08 ^E 64.10 | 63.38 | 59.90 ¹⁴ | | 5910 |
| 305+0 | red surface 59.20 ⁰ | | | | 5860 |
| 306+0 | 60.25 | 59.72 | 61.71 ²⁰ | 62.00 ⁴⁰ | |
| 307+60 | 61 | 61.25 | 58.23 ¹⁰ | | 5657 |
| 308+0 | | | | | 5627 |
| 309+0 | | | | | 5645 |
| 309+75 | 61.45 | 60.87 | 59.00 ²⁶ | 56.58 ³⁰ | 5844 ⁴⁰ |
| 310+0 | | | | | 5815 |
| 310+30 | | | | | 5706 |
| 311+0 | | | | | 5677 |
| 312+10 | 5911 | 5820 | red surface 56.95 ²⁰ | 60.62 ⁴⁰ | |
| 312+25 | | | | | 5789 |
| 312+30 | | | | | 5687 |
| 312+95 | | | | | 5794 |
| 312+90 | | | | | 6157 |

| | | |
|---------------------|----|---------------------|
| | 30 | 40' |
| 61.15 | | 63.70 |
| | | |
| 60.50 ³⁰ | | 63.05 ⁴⁰ |
| | | |
| 59.25 ²⁵ | | 61.70 ³⁵ |
| | | |
| 58.58 ⁰ | | 59.58 ⁴⁰ |
| | | |
| 58.44 ⁴⁰ | | 61.55 ⁵⁰ |
| | | |
| | | 60.63 ⁴⁰ |

| | | Druid: | 20' | 25' | Q | 30 | 40 | 93 |
|----|---------|-------------|-------|--------------------|--------------------|--------------------|--------------------|--------------------|
| | | at sth | | | | | | 5817 0 |
| 92 | 313+0 | 2th 6252 | 62.00 | 5987 | 5645 | 0531 | 5891 | 6043 |
| | 314+0 | | | | 6017 | | | |
| | 314+0 | 5820 | 5750 | 5769 | 5624 ²⁰ | 5590 ³⁰ | 5788 ⁴⁰ | |
| | 315+0 | | | | 5670 | | | |
| | 315+5 | | | | 5600 | | | |
| | 315+85 | | | | 6090 | | | |
| | 316+0 | | | | 6074 | | | |
| | 317+0 | | | | 5917 | | | |
| | 318+0 | 6180 | 6090 | 5687 ¹⁰ | 5550 | 5696 ³⁰ | 5879 ⁴⁰ | |
| | 319+0 ✓ | | | | 5941 | | | |
| | 319+72 | | | | 5874 | | | |
| | 319+77 | | | | 5563 | | | |
| | 319+95 | | | | 5596 | | | |
| | 320+0 | | | | 5805 | | | |
| | 321+0 | | | | 5983 | | | |
| | 322+0 | 6030 | 5960 | | 5894 | | | |
| | 323+0 | | | | 5996 | | | |
| | 323+30 | | | | 5941 | | | |
| | 323+65 | | | | 5703 | | | |
| | 324+0 | | | | 5887 | | | |
| | 324+78 | | | | 5748 | | | |
| | 324+88 | | | | 5560 | | | |
| | 324+98 | | | | 5539 | | | |
| | 325+0 | | | | 5780 | | | |
| | 326+0 | 5827 | 5757 | 5550 ¹⁰ | 5359 ²⁰ | 5575 ³⁰ | 5856 ⁴⁰ | 5900 ⁴⁰ |
| | 327+0 | | | | 5377 | | | |
| | 328+0 | | | | 5470 | | | |

| | Lat | Long | at note |
|--------|------|------|-------------------------------------|
| 329+83 | | | |
| 329+0 | | | |
| 330+28 | 5931 | 5836 | |
| 331+0 | | | |
| 332+0 | | | |
| 332+50 | | | |
| 333+0 | 5715 | 5649 | 5640 ²⁵ |
| 333+03 | | | |
| 333+10 | | | |
| 333+20 | | | |
| 333+25 | | | |
| 335+0 | 5846 | 5802 | |
| 336+0 | | | |
| 337+0 | | | |
| 337+10 | | | |
| 337+15 | | | |
| 338+0 | 5406 | 5330 | 5250 ⁵ |
| 339+0 | | | |
| 340+0 | | | |
| 341+0 | 5365 | 5310 | 5225 ⁵ 5090 ⁸ |
| 342+0 | | | |
| 343+0 | | | |
| 343+66 | 5463 | 5420 | 5221 ¹⁵ |
| 344+0 | | | |
| 344+10 | | | |
| 344+20 | | | |
| 345+0 | 5597 | 5530 | |

2

5387

5887

5788

5752

5345

5443

5263

5395

5772

5750

5753

5526

5318

5770

5661

5610

5280⁸

5125

5130

5090

5041

5447

5025

5327²⁵

5475³⁵

5385⁴⁰

5317³⁰

5785⁴⁵

5846 (1)

5460 0

95

96

Site

ad. site
Fund

E

346+0

5090

347+0

5091¹⁵

348+06

6174

6138

5432¹⁵5145¹⁷

5025

349+0

5060

350+0

5019

351+0

4992

351+70

5292

5224

4995³4055³⁰

353+0

4980

354+0

4990

354+75

5357

5293

5703¹⁰4955³⁸

356+0

4864

356+54

5324

5215

5047⁶4835³⁰

358+0

4840

359+0

4779

360+53

5338

5213

4815¹⁰

4727

362+0

4680

363+0

4647

364+0

4650

364+76

5154

5056⁶478¹⁰4715¹⁰

366+0

4682

368+22

5140

5092

4810¹⁰

4695

369+0

4694

~~370+0~~

371+0

4885⁰

4840

4641¹⁰4573¹⁰

372+0

4523

372+05

4895

97

57.20

BM. 21 5914

5165³⁸5344⁴²5142⁰5300⁰5250³⁰5224⁷⁰4970³⁸5024³³5450⁴⁰4895³⁰5049⁴⁰5345⁴⁷4776³⁷4976⁴⁰4772⁴⁰5205⁵⁰4746³⁰5343⁴⁰4658³⁵5042³⁰

stk
Bound
at
stk

| | | | | | |
|--------|------|-------------------|--------------------|--------------------|--------------------|
| 373+0 | 5065 | | | | 5006 |
| 374+0 | | | | | 4799 |
| 374+75 | | | | | 4380 |
| 375+34 | 5046 | 4920 ⁴ | 4390 ⁸ | | 4375 |
| 377+63 | 4923 | 4866 | 4453 ⁸ | | 4365 |
| 379+51 | | 5964 | 4864 | 4332 ¹⁴ | 4321 |
| 381+0 | | | | | 4231 |
| 382+85 | 4670 | 4620 | | 4319 ¹⁰ | 4331 ⁴ |
| 384+0 | | | | | 4195 |
| 386+0 | 4595 | 4542 | 4342 ⁶ | | 4126 |
| 388+0 | | | | | 4231 |
| 390+0 | 4630 | 4509 | 4240 ⁴ | | 4192 ²⁰ |
| 392+55 | 4770 | 4704 | 4230 ¹² | | 4175 ²⁴ |
| 394+09 | | | | | 4063 |
| 394+15 | | | | | 4467 |
| 394+90 | | | | | 4445 |
| 395+0 | | | | | 4158 |
| 395+20 | | | | | 4193 |
| 395+40 | 4947 | 4845 | 4571 ¹⁴ | 4415 ²⁰ | |
| 399+34 | 4576 | 4515 | | | 4365 ³⁰ |
| 399+0 | | | | | 4265 |
| 400+75 | 4197 | 4114 | 4014 ³ | | 4000 |
| 402+0 | | | | | 3780 |
| 403+13 | 4255 | | 4201 | | |
| 405+0 | | | | | 4116 |
| 407+0 | 4625 | 4164 | 3812 ¹⁰ | | 3723 |

~~46150~~
46450

| | | |
|--------------------|--------------------|----|
| | 36 | 40 |
| 4423 | 4935 | |
| 4482 ³⁵ | 4684 ⁴⁰ | |
| 4463 ²⁵ | 4725 ⁴⁰ | |
| | 35 | 40 |
| 4417 | 4657 | |
| | 28 | 40 |
| 4389 | 4630 | |
| | 23 | 40 |
| 4244 | 4600 | |
| | 35 | 39 |
| 4182 | 4395 | |

BM on
S.E. Cor. of
Concrete Box
at S.E. Cor. of
Sparks Cem. Co.
Q. 4855

4151

4338⁴⁰

3950²⁵

3881²⁵ 3940³³ 4030⁴⁰

F 100

| Hand | Hand | Hand | Hand | Hand |
|--------|-------|-------|-------|------|
| 40850 | | | | |
| 410+0 | 4090 | 4025 | 3841 | |
| 411+0 | | | | |
| 412+43 | 4067 | 4015 | 3844 | 3765 |
| 413+0 | | | | |
| 413+20 | | | | |
| 414+0 | | | 3925 | |
| 415+0 | | | | |
| 416+21 | 3912 | 3838 | 3695 | 3840 |
| 418+13 | 3757 | 3701 | 3670 | |
| 419+50 | | | | |
| 421+47 | 3590 | 3523 | 3377 | 3351 |
| 422+20 | | | | |
| 422+25 | | | | |
| 422+47 | | | | |
| 422+52 | | | | |
| 423+22 | | | | |
| 423+32 | | | | |
| 425+35 | 3467 | 3410 | 2980 | |
| 426+50 | | | | |
| 428+51 | 3434 | 3376 | 3312 | 2995 |
| 429+95 | | | | |
| 430+10 | | | | |
| 431+10 | 3435 | 3380 | | |
| 432+00 | | | | |
| 432+70 | | | | |
| 432+97 | | | | |
| | 31.50 | 28.12 | 27.20 | |

| Hand | Hand | Hand |
|-------|------|------|
| 37.50 | | |
| 3750 | 3820 | 4195 |
| 3690 | | |
| 3691 | 3730 | 3865 |
| 3605 | | |
| 3950 | | |
| 3956 | 3900 | |
| 3980 | | |
| 3620 | 4037 | |
| 3440 | 3525 | 3938 |
| 3480 | | |
| 3410 | 3662 | 3660 |
| 3353 | | |
| 3247 | | |
| 3037 | | |
| 3563 | | |
| 3443 | | |
| 2960 | | |
| 2910 | 3089 | 0450 |
| 2916 | | |
| | 2908 | 3510 |
| 2840 | | |
| 3525 | | |
| | | |
| 3144 | | |
| 2710 | | |
| 2700 | 2765 | 2870 |

T 101

BNA
 on top SE
 Wing of Surber
 Arch,
 El. 3742

032.95

102

Tok
stk

Drawn
at
stk

£

43570

43770

30.71

30.14

⁵
28.24

¹⁸
27.50

26.67

26.27

³⁵
26.90

⁴⁰
31.52

103

Sub-arm No 1.

| Sta | 6d.5th | New Rd | Cut | 6d.5th | Cut. |
|------|--------|--------|------|--------|------|
| 0+00 | 91.25 | 86.01 | 5.24 | 91.31 | 5.30 |
| 1+0 | 90.95 | 86.36 | 4.59 | 91.00 | 4.64 |
| 2+00 | 91.65 | 86.71 | 4.94 | 91.80 | 5.09 |
| 3+0 | 91.41 | 87.06 | 4.35 | 92.75 | 5.69 |
| 4+0 | 92.26 | 87.41 | 4.85 | 93.00 | 5.59 |
| 5+00 | 93.04 | 87.76 | 5.28 | 93.45 | 5.69 |
| 6+0 | 93.90 | 88.11 | 5.79 | 94.00 | 5.89 |
| 7+0 | 93.75 | 88.46 | 5.29 | 94.60 | 6.14 |
| 8+0 | 93.85 | 88.81 | 5.04 | 94.06 | 5.25 |
| 9+0 | 94.28 | 89.16 | 5.12 | 94.29 | 5.13 |
| 10+0 | 94.41 | 89.51 | 4.90 | 94.55 | 5.04 |
| 11+0 | 94.51 | 89.86 | 4.87 | 94.72 | 4.86 |

Tile check

| | | | |
|------|-------|-------|-------|
| 0+0 | 87.41 | 6+0 | 89.24 |
| 0+50 | 87.55 | 6+50 | 89.39 |
| 1+0 | 87.58 | 7+0 | 89.74 |
| 1+50 | 87.69 | 7+50 | 89.78 |
| 2+0 | 87.82 | 8+0 | 89.91 |
| 2+50 | 87.95 | 8+50 | 89.93 |
| 3+0 | 88.15 | 9+0 | 90.12 |
| 3+50 | 88.34 | 9+50 | 90.36 |
| 4+0 | 88.44 | 10+0 | 90.46 |
| 4+50 | 88.52 | 10+50 | 90.64 |
| 5+0 | 88.67 | 11+0 | |
| 5+50 | 88.91 | | |

91.31
86.01
5.30
90.95
86.36
4.59

92.26 91.41
87.41 87.06
4.85 4.35

93.90
88.11
5.79

93.85
88.81
5.04

94.71
89.86
4.85

91.31
86.01
5.30

93.45
87.76
5.69

94.06 88.46
88.81 6.14

91.75

93.04
87.76
5.28

93.75
88.46
5.29

94.29
13

94.41
89.51
4.90

89.16
132

90.48 91.00
86.36 5.04
4.64

91.80
86.71
5.09

93.00
87.41
5.59

94.00
88.11
5.89

107

9339
B.M.

1.

92.75
87.06

5.69

94.55
89.51

5.04

WILLS & WATSON

6" Tile from West
 10" Vit. Tile under N.S.
 Road - Tile badly broken.
 10" tile from N. of Sta.
 0+8 and East side, Ditch
 672' North to the N.
 mile stone Sec 18 from 0+00

0+00 N 89 $\frac{1}{2}$ ° E.0+12 Collins W. line and
E line of Road.

1+56 Def. R. 140° 36'

4+67 Def. R. 27° 59'

7+15 Def. R. 26° 48'

8+35 Def. R. 52° 33'

9+99 Def. L. 22° 0'

11+61 Collins S line and
Ditzgenburger N. line
E + W. Fence.

11+81 Def. R. - 13° 47'

12+48 Def. L. - 39° 13'

13+65 DEF. L. - 27° 00'

15+23 DEF. R. - 42° 14'

17+93 Def. L. - 91° 02'

21+24 Def. R. - 9° 37'

- 22+35 DEF L - $14^{\circ}54'$
 24+48 Def L - $14^{\circ}02'$
 28+65 DEF R - $19^{\circ}46'$
 31+42 Def R - $61^{\circ}20'$
 34+30 DEF L - $58^{\circ}38'$
 37+01 DEF R - $8^{\circ}26'$
 39+35 Ditzgenburg's E. line and
 Mullins W. line. - N + S. Fence
 39+47 Def R - $1014'$
 Approx. 20' N. of Ditzgenburg's
 S. line and Braups N. line
 43+43 DEF R - $69^{\circ}53'$
 45+64 DEF R - $22^{\circ}48'$
 48+43 E + W Fence
 57+90 DEF L - $13^{\circ}04'$
 58+30 END OF ARM #1
 Def Left onto main ditch
 Angle $96^{\circ}28'$

ARM #2

Starts 20' West of Roadman
and Schenk corner and
10' South of Tom Conroy
Ditch in Dillon.

6" tile from East and
10" tile from North and some
tile from South -

0+00 N 90° W

9+90 DEF L 86° 49'

18+93 DEF R 86° 42'

21+64 DEF L 90°

29+85 Dillon's S line and
State Prop Co. N. line

33+88 End of Arm #2

534' from Ditch East to
West line of Dillon line

AREA # 1 - LEVELS

118

FL TILE FROM NW. 100.39-6"
 FL. TILE FROM W- 100.44-4"
 FL. TILE FROM N- 100.21-8"

| STA. | STK | E | STA. | STK | E |
|-------|-----------------------|--------|-------|----------------------|-------|
| 10+0 | 104.47 | 101.54 | 14+0 | 100.25 | 97.17 |
| 1+0 | 102.86 | 100.35 | 15+0 | 100.28 | 96.30 |
| 1+56 | 104.83 | 100.22 | 15+23 | 99.75 | 96.35 |
| 2+0 | 104.85 ^{out} | 100.10 | 16+0 | 100.00 | 96.30 |
| 3+0 | 101.90 ^{out} | 100.27 | 17+0 | 99.80 | 95.95 |
| 4+0 | 101.42 ^{out} | 100.30 | 17+93 | 100.40 | 97.53 |
| 4+67 | 101.68 | 100.20 | 18+0 | 99.80 | 98.48 |
| 5+0 | 102.50 | 100.11 | 19+0 | 99.05 | 94.65 |
| 6+0 | 101.70 | 100.00 | 20+0 | 98.58 | 94.50 |
| 7+0 | 102.45 | 99.80 | 21+0 | 98.20 | 94.73 |
| 7+15 | 103.22 | 99.40 | 21+24 | 98.27 | 94.35 |
| 8+0 | 102.65 | 99.08 | 22+0 | 98.02 | 94.07 |
| 8+35 | 101.68 ^{out} | 99.36 | 22+35 | 97.76 | 94.25 |
| 9+0 | 100.06 | 99.04 | 23+0 | 97.58 | 93.75 |
| 9+99 | 101.79 | 98.73 | 24+0 | 96.95 | 93.61 |
| 11+0 | 102.20 | 97.64 | 24+48 | 96.99 | 93.34 |
| 11+81 | 102.50 | 97.68 | 25+0 | 96.65 | 92.81 |
| 12+0 | 102.50 | 97.90 | 26+0 | 96.45 | 92.95 |
| 12+48 | 101.89 | 98.80 | 27+0 | 96.44 | 92.60 |
| 13+0 | 101.11 | 97.70 | 28+0 | 95.92 | 92.34 |
| 13+65 | 100.10 | 97.06 | 28+65 | 95.10 ^{out} | 92.35 |

46.470

119

B.M. on
 Corner Post 25'
 N. of 0+15.
 EL. 108.65
 near Hugh McCurdy

096.44
 098.27
 0102.50
 0104.95

27+50-5" tile 92.50 FL. from road
 11+25-6" " 98.09 " " W.
 8+40- " 99.65 top " E

~~97.56~~ 0103.33
~~100.65~~
 0100.08
~~0102.7~~
~~0103.27~~

120

| STA | TOP STK ✓ | ℄ | STA | STR ✓ | ℄ |
|-------|--------------|-------|-------|-------|-------|
| 29+0 | 96.01 | 92.45 | 49+0 | 92.02 | 89.25 |
| 30+0 | 95.05 | 92.06 | 50+0 | 91.48 | 88.02 |
| 31+0 | 94.49 | 91.95 | 51+0 | 91.11 | 88.50 |
| 31+42 | 94.35 | 91.55 | 52+0 | 91.18 | 88.79 |
| 32+0 | 94.72 | 90.96 | 53+0 | 91.95 | 88.92 |
| 33+0 | 94.18 | 90.85 | 54+0 | 91.80 | 88.82 |
| 34+0 | 93.22 | 93.45 | 55+0 | 91.43 | 88.64 |
| 34+30 | 94.33 | 90.61 | 56+0 | 91.38 | 88.43 |
| 35+0 | 94.21 | 90.53 | 57+0 | 91.74 | 88.07 |
| 36+0 | 93.78 | 90.49 | 57+90 | 91.85 | 88.44 |
| 37+01 | 93.35 | 90.35 | | | 91.85 |
| 38+0 | 93.79 | 89.70 | 58+30 | | 88.55 |
| 39+0 | 93.23 | 90.30 | | | Tiled |
| 39+47 | 92.62 | 90.72 | 58+0 | 92.38 | 84.60 |
| 40+0 | 93.54 | 92.65 | | | |
| 41+0 | 92.70 | 92.05 | | | |
| 42+0 | 92.73 | 90.00 | | | |
| 43+0 | 91.35 | 89.88 | | | |
| 43+93 | 91.25 | 89.84 | | | |
| 44+0 | 9 | - | | | |
| 45+0 | 91.47 | 90.51 | | | |
| 45+64 | 91.85 | 89.10 | | | |
| 46+0 | 91.94 | 89.22 | | | |
| 47+0 | 92.91 | 89.22 | | | |
| 48+0 | 92.53 | 89.24 | | | |

094.35

121

BM. Set Set Sept
25th
on brace post lower
end 150. No of sta
31+42 EL. 95.97

~~091.38~~
~~092.03~~
~~091.86~~
~~091.55~~
093.78

Tide 36+50 - EL - 90.68, top.

Tide 31+38 - EL - 92.15

B.M. set
Aug 14 - 1928
60' W. of sta.
45+0 -
High point on
stump
E.L. 93.39

091.35

90.57

91.55 4400

91.95 4600

90.92 3200

91.75

9238
8460
7.78

F 122

 AREA #2
 LEVELS

| STA | STK | ℄ | STA | STK | ℄ |
|---------------------|-------|-------|-------|-------|-------|
| 0+0 | 93.82 | 92.31 | 21+64 | 92.83 | 89.25 |
| 1+0 | 95.94 | 92.09 | 22+0 | 92.13 | 88.83 |
| 2+0 | 96.24 | 91.66 | 23+0 | 93.73 | 88.22 |
| 3+0 | 95.06 | 91.61 | 24+0 | 93.70 | 88.85 |
| 4+0 | 94.90 | 91.40 | 25+0 | 92.00 | 88.62 |
| 5+0 | 94.17 | 91.35 | 26+0 | 91.70 | 88.90 |
| ① 6+0 | 94.48 | 91.58 | 27+0 | 91.78 | 88.30 |
| 7+0 | 93.44 | 91.45 | 28+0 | 92.53 | 88.34 |
| 8+0 ^{out} | 93.17 | 91.30 | 29+0 | 92.29 | 88.42 |
| 9+0 ^{out} | 93.25 | 90.61 | 30+0 | 91.50 | 88.60 |
| 9+90 ^{out} | 94.35 | 91.15 | 31+0 | 91.37 | 88.30 |
| 10+0 ^{out} | 93.76 | 91.15 | 32+0 | 91.71 | 88.10 |
| 11+0 ^{out} | 93.05 | 90.85 | 33+0 | 91.26 | 87.70 |
| 12+0 | 92.29 | 90.80 | 33+88 | 90.82 | 86.98 |
| ① 13+0 | 92.84 | 90.32 | | | |
| 14+0 | 93.10 | 90.30 | | | |
| 15+0 | 92.78 | 90.10 | | | |
| 16+0 | 93.00 | 89.62 | | | |
| 17+0 | 92.89 | 89.65 | | | |
| 18+0 | 92.36 | 89.65 | | | |
| 18+93 | 92.10 | 89.90 | | | |
| 19+0 | 92.20 | 89.90 | | | |
| 20+0 | 92.03 | 89.62 | | | |
| 21+0 | 91.74 | 88.80 | | | |

$$\begin{array}{r} 216 \\ 1893 \\ \hline 771 \end{array}$$

0 91.22

123

B.M. on Top of wood
corner post 40' West of
Ditch at Sta 29+85 - EL. 96.43

① 92.85

0 95.05

~~0 91.00~~

8" Tile from E. at Sta 29+65
FL. - 87.63

18+27 - 6" tile FL. 90.43 from E. ~~0 91.10~~

16+50 - 4" tile F.L. 90.75 from E

12+0 - 2" tile 91.10 from E

B.M. on heart of 36" stump
75' S. of Sta. 10-10
EL. 95.75

TILE AT. BEGIN OF ARM#2

APPROX

| | | |
|-----|--------------|------------|
| 6" | TILE FROM E, | TOP. 91.77 |
| 10" | " " N.E. | TOP. 92.75 |
| " " | " S. | TOP. |

| Sta | Check | sth | date | sth |
|-------|-------|-------|-------|-------|
| | | | 45+50 | 87.60 |
| 57+90 | 86.89 | 92.37 | 45+0 | 87.67 |
| 57+0 | 86.92 | 91.85 | 44+50 | 87.89 |
| 56+50 | 86.83 | | 44+0 | 88.00 |
| 56+0 | 86.50 | | 43+50 | 87.65 |
| 55+50 | 86.68 | | 43+0 | 87.70 |
| 55+0 | 86.81 | | 42+50 | 88.04 |
| 54+50 | 86.80 | | 42+0 | 88.12 |
| 54+0 | 87.03 | 91.93 | 41+50 | 88.27 |
| 53+50 | 87.16 | | 41+0 | 88.32 |
| 53+0 | 87.15 | | 40+50 | 88.55 |
| 52+50 | 87.05 | | 40+0 | 88.77 |
| 52+0 | 87.20 | 91.25 | 39+50 | 88.75 |
| 51+50 | 87.08 | | 39+0 | 88.94 |
| 51+0 | 87.20 | | 38+50 | 89.06 |
| 50+50 | 87.17 | | 38+0 | 89.50 |
| 50+0 | 87.32 | | 37+50 | 89.52 |
| 49+50 | 87.41 | | 37+0 | 89.56 |
| 49+0 | 87.46 | | 36+50 | 89.69 |
| 48+50 | 87.40 | | 36+0 | 89.91 |
| 48+0 | 87.33 | | 35+50 | 89.91 |
| 47+50 | 87.39 | | 35+0 | 90.07 |
| 47+0 | 87.45 | | 34+50 | 90.33 |
| 46+50 | 87.44 | | 34+0 | 90.47 |
| 46+0 | 87.69 | | 33+50 | 90.69 |

92.50

87.890

93.42
BM

92.37

93.640

131

| | | | | |
|-------|-------|--------|-------|-------|
| 33+0 | 90.82 | | 20+50 | 93.80 |
| 32+50 | 91.02 | | 20+0 | 93.81 |
| 32+0 | 91.22 | 94.88 | 19+50 | 93.90 |
| 31+50 | 91.36 | 94.550 | 19+0 | 94.17 |
| 31+0 | 91.60 | | 18+50 | 94.20 |
| 30+50 | 91.57 | | 18+0 | 94.31 |
| 30+0 | 91.48 | 95.19 | 17+50 | 94.95 |
| 29+50 | 91.51 | | 17+0 | 95.28 |
| 29+0 | 91.50 | | 16+50 | 95.18 |
| 28+50 | 91.53 | | 16+0 | 95.12 |
| 28+0 | 91.91 | | 15+50 | 95.27 |
| 27+50 | 92.21 | | 15+0 | 95.35 |
| 27+0 | 92.13 | | 14+50 | 95.31 |
| 26+50 | 92.20 | | 14+0 | 95.64 |
| 26+0 | 92.27 | | 13+50 | 95.92 |
| 25+50 | 92.73 | | 13+0 | 96.11 |
| 25+0 | 92.55 | | 12+50 | 96.31 |
| 24+50 | 92.67 | | 12+0 | |
| 24+0 | 92.77 | | 11+50 | 96.36 |
| 23+50 | 92.81 | | 11+0 | 96.48 |
| 23+0 | 92.92 | | 10+50 | 96.65 |
| 22+50 | 92.91 | | 10+0 | 96.89 |
| 22+0 | 93.12 | | 9+50 | 97.04 |
| 21+50 | 93.28 | | 9+0 | 97.14 |
| 21+0 | 93.40 | | 8+50 | 97.40 |

92.73

| | | |
|------|---|--------|
| 8+0 | - | 97.68 |
| 7+50 | - | 97.79 |
| 7+0 | - | 97.84 |
| 6+50 | - | 97.88 |
| 6+0 | - | 98.12 |
| 5+50 | - | 98.04 |
| 5+0 | - | 98.17 |
| 4+50 | - | 98.35 |
| 4+0 | - | 98.60 |
| 3+50 | - | 98.94 |
| 3+0 | - | 98.94 |
| 2+50 | - | 99.16 |
| 2+0 | - | 99.13 |
| 1+50 | - | 99.25 |
| 1+0 | - | 99.36 |
| 0+50 | - | 99.80 |
| 0+0 | - | 100.17 |

104.78

Check

| | | | | |
|-------|-------|-------|-------|-------|
| 0+0 | 91.30 | | 12+50 | 89.10 |
| 0+50 | 91.10 | | 13+0 | 88.90 |
| 1+0 | 91.08 | 96.00 | 13+50 | 88.76 |
| 1+50 | 90.95 | | 14+0 | 88.69 |
| 2+0 | 90.60 | | 14+50 | 88.63 |
| 2+50 | 90.45 | | 15+0 | 88.85 |
| 3+0 | 90.33 | | 14+50 | 88.53 |
| 3+50 | 90.45 | | 15+0 | 88.45 |
| 4+0 | 90.42 | | 15+50 | 88.36 |
| 4+50 | 90.39 | | 16+0 | 88.40 |
| 5+0 | 90.22 | | 16+50 | 88.15 |
| 5+50 | 90.09 | | 17+0 | 88.06 |
| 6+0 | 90.03 | | 17+50 | 87.97 |
| 6+50 | 90.02 | | 18+93 | 87.88 |
| 7+0 | 89.90 | 93.50 | 19+50 | 87.70 |
| 7+50 | 89.79 | | 20+0 | 87.70 |
| 8+0 | 89.90 | | 20+50 | 87.52 |
| 8+50 | 89.88 | | 21+0 | 87.35 |
| 9+0 | 89.80 | | 21+50 | 87.30 |
| 9+50 | 89.85 | | 22+0 | 87.18 |
| 10+0 | 89.80 | | 22+50 | 87.32 |
| 10+50 | 89.61 | | 23+0 | 87.30 |
| 11+0 | 89.53 | | 23+50 | 87.20 |
| 11+50 | 89.39 | | 24+0 | 87.08 |
| 12+0 | 89.29 | | 24+50 | 87.10 |

Ann # 2
check

93.50

⊙ 92.16

| | |
|-------|-------|
| 25+0 | 86.89 |
| 25+50 | 86.88 |
| 26+0 | 86.88 |
| 26+50 | 86.72 |
| 27+0 | 86.61 |
| 27+50 | 86.49 |
| 28+0 | 86.45 |
| 28+50 | 86.34 |
| 29+0 | 86.09 |
| 29+50 | 86.08 |
| 30+0 | 86.05 |
| 30+50 | 86.00 |
| 31+0 | 85.60 |
| 31+50 | 85.64 |
| 32+0 | 85.65 |
| 32+50 | 85.62 |
| 33+0 | 85.58 |
| 33+50 | 85.20 |
| 33+88 | |

91.72

138

ARM #2

0+0

↑ average
of 24"

↓

9+0 24"

9+75 18"

10+50 30"

12+0 30"

15+0 30"

20+0 36"

23+0 32"

139

Arm #1

from lower end to Mullin
line not complete 48+43

to 48+43 to 43+93

average 33"

39+0 - 35"

152

Mausoleum

SW. 7.00 8.37

SE 2.64

NE 3.62

NW 5.27

5.80 4.25

7

2

3

5

17

2

BLDG. —

Foundation ^{7.00} ^{1.90} — 5.90

N.W. 5.90 6.76

SW 5.90 8.48 2.58-

S.E. 5.90 4.01

N.E. 5.90 5.20

1.89

.70

153

6.76
5.90
.868.48
5.90
2.585.90
4.01
1.892.19
101-9

E 154

80.28

88.69

92.50

90.90 ^{SW cor} in Slipat Crossroads just

70 P ~~Station~~

89.01

85.65

77.62

80.10

157