

DISTANCES FROM SIDE STAKES FOR CROSS-SECTIONING
SLOPE 1 TO 1, ROADWAY OF ANY WIDTH

| | 0 | .1 | .2 | .3 | .4 | .5 | .6 | .7 | .8 | .9 | |
|----|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|----|
| 0 | 0.00 | 0.10 | 0.20 | 0.30 | 0.40 | 0.50 | 0.60 | 0.70 | 0.80 | 0.90 | 0 |
| 1 | 1.00 | 1.10 | 1.20 | 1.30 | 1.40 | 1.50 | 1.60 | 1.70 | 1.80 | 1.90 | 1 |
| 2 | 2.00 | 2.10 | 2.20 | 2.30 | 2.40 | 2.50 | 2.60 | 2.70 | 2.80 | 2.90 | 2 |
| 3 | 3.00 | 3.10 | 3.20 | 3.30 | 3.40 | 3.50 | 3.60 | 3.70 | 3.80 | 3.90 | 3 |
| 4 | 4.00 | 4.10 | 4.20 | 4.30 | 4.40 | 4.50 | 4.60 | 4.70 | 4.80 | 4.90 | 4 |
| 5 | 5.00 | 5.10 | 5.20 | 5.30 | 5.40 | 5.50 | 5.60 | 5.70 | 5.80 | 5.90 | 5 |
| 6 | 6.00 | 6.10 | 6.20 | 6.30 | 6.40 | 6.50 | 6.60 | 6.70 | 6.80 | 6.90 | 6 |
| 7 | 7.00 | 7.10 | 7.20 | 7.30 | 7.40 | 7.50 | 7.60 | 7.70 | 7.80 | 7.90 | 7 |
| 8 | 8.00 | 8.10 | 8.20 | 8.30 | 8.40 | 8.50 | 8.60 | 8.70 | 8.80 | 8.90 | 8 |
| 9 | 9.00 | 9.10 | 9.20 | 9.30 | 9.40 | 9.50 | 9.60 | 9.70 | 9.80 | 9.90 | 9 |
| 10 | 10.00 | 10.10 | 10.20 | 10.30 | 10.40 | 10.50 | 10.60 | 10.70 | 10.80 | 10.90 | 10 |
| 11 | 11.00 | 11.10 | 11.20 | 11.30 | 11.40 | 11.50 | 11.60 | 11.70 | 11.80 | 11.90 | 11 |
| 12 | 12.00 | 12.10 | 12.20 | 12.30 | 12.40 | 12.50 | 12.60 | 12.70 | 12.80 | 12.90 | 12 |
| 13 | 13.00 | 13.10 | 13.20 | 13.30 | 13.40 | 13.50 | 13.60 | 13.70 | 13.80 | 13.90 | 13 |
| 14 | 14.00 | 14.10 | 14.20 | 14.30 | 14.40 | 14.50 | 14.60 | 14.70 | 14.80 | 14.90 | 14 |
| 15 | 15.00 | 15.10 | 15.20 | 15.30 | 15.40 | 15.50 | 15.60 | 15.70 | 15.80 | 15.90 | 15 |
| 16 | 16.00 | 16.10 | 16.20 | 16.30 | 16.40 | 16.50 | 16.60 | 16.70 | 16.80 | 16.90 | 16 |
| 17 | 17.00 | 17.10 | 17.20 | 17.30 | 17.40 | 17.50 | 17.60 | 17.70 | 17.80 | 17.90 | 17 |
| 18 | 18.00 | 18.10 | 18.20 | 18.30 | 18.40 | 18.50 | 18.60 | 18.70 | 18.80 | 18.90 | 18 |
| 19 | 19.00 | 19.10 | 19.20 | 19.30 | 19.40 | 19.50 | 19.60 | 19.70 | 19.80 | 19.90 | 19 |
| 20 | 20.00 | 20.10 | 20.20 | 20.30 | 20.40 | 20.50 | 20.60 | 20.70 | 20.80 | 20.90 | 20 |
| 21 | 21.00 | 21.10 | 21.20 | 21.30 | 21.40 | 21.50 | 21.60 | 21.70 | 21.80 | 21.90 | 21 |
| 22 | 22.00 | 22.10 | 22.20 | 22.30 | 22.40 | 22.50 | 22.60 | 22.70 | 22.80 | 22.90 | 22 |
| 23 | 23.00 | 23.10 | 23.20 | 23.30 | 23.40 | 23.50 | 23.60 | 23.70 | 23.80 | 23.90 | 23 |
| 24 | 24.00 | 24.10 | 24.20 | 24.30 | 24.40 | 24.50 | 24.60 | 24.70 | 24.80 | 24.90 | 24 |
| 25 | 25.00 | 25.10 | 25.20 | 25.30 | 25.40 | 25.50 | 25.60 | 25.70 | 25.80 | 25.90 | 25 |
| 26 | 26.00 | 26.10 | 26.20 | 26.30 | 26.40 | 26.50 | 26.60 | 26.70 | 26.80 | 26.90 | 26 |
| 27 | 27.00 | 27.10 | 27.20 | 27.30 | 27.40 | 27.50 | 27.60 | 27.70 | 27.80 | 27.90 | 27 |
| 28 | 28.00 | 28.10 | 28.20 | 28.30 | 28.40 | 28.50 | 28.60 | 28.70 | 28.80 | 28.90 | 28 |
| 29 | 29.00 | 29.10 | 29.20 | 29.30 | 29.40 | 29.50 | 29.60 | 29.70 | 29.80 | 29.90 | 29 |
| 30 | 30.00 | 30.10 | 30.20 | 30.30 | 30.40 | 30.50 | 30.60 | 30.70 | 30.80 | 30.90 | 30 |
| 31 | 31.00 | 31.10 | 31.20 | 31.30 | 31.40 | 31.50 | 31.60 | 31.70 | 31.80 | 31.90 | 31 |
| 32 | 32.00 | 32.10 | 32.20 | 32.30 | 32.40 | 32.50 | 32.60 | 32.70 | 32.80 | 32.90 | 32 |
| 33 | 33.00 | 33.10 | 33.20 | 33.30 | 33.40 | 33.50 | 33.60 | 33.70 | 33.80 | 33.90 | 33 |
| 34 | 34.00 | 34.10 | 34.20 | 34.30 | 34.40 | 34.50 | 34.60 | 34.70 | 34.80 | 34.90 | 34 |
| 35 | 35.00 | 35.10 | 35.20 | 35.30 | 35.40 | 35.50 | 35.60 | 35.70 | 35.80 | 35.90 | 35 |
| 36 | 36.00 | 36.10 | 36.20 | 36.30 | 36.40 | 36.50 | 36.60 | 36.70 | 36.80 | 36.90 | 36 |
| 37 | 37.00 | 37.10 | 37.20 | 37.30 | 37.40 | 37.50 | 37.60 | 37.70 | 37.80 | 37.90 | 37 |
| 38 | 38.00 | 38.10 | 38.20 | 38.30 | 38.40 | 38.50 | 38.60 | 38.70 | 38.80 | 38.90 | 38 |
| 39 | 39.00 | 39.10 | 39.20 | 39.30 | 39.40 | 39.50 | 39.60 | 39.70 | 39.80 | 39.90 | 39 |
| 40 | 40.00 | 40.10 | 40.20 | 40.30 | 40.40 | 40.50 | 40.60 | 40.70 | 40.80 | 40.90 | 40 |
| 41 | 41.00 | 41.10 | 41.20 | 41.30 | 41.40 | 41.50 | 41.60 | 41.70 | 41.80 | 41.90 | 41 |
| 42 | 42.00 | 42.10 | 42.20 | 42.30 | 42.40 | 42.50 | 42.60 | 42.70 | 42.80 | 42.90 | 42 |
| 43 | 43.00 | 43.10 | 43.20 | 43.30 | 43.40 | 43.50 | 43.60 | 43.70 | 43.80 | 43.90 | 43 |
| 44 | 44.00 | 44.10 | 44.20 | 44.30 | 44.40 | 44.50 | 44.60 | 44.70 | 44.80 | 44.90 | 44 |
| 45 | 45.00 | 45.10 | 45.20 | 45.30 | 45.40 | 45.50 | 45.60 | 45.70 | 45.80 | 45.90 | 45 |
| 46 | 46.00 | 46.10 | 46.20 | 46.30 | 46.40 | 46.50 | 46.60 | 46.70 | 46.80 | 46.90 | 46 |
| 47 | 47.00 | 47.10 | 47.20 | 47.30 | 47.40 | 47.50 | 47.60 | 47.70 | 47.80 | 47.90 | 47 |
| 48 | 48.00 | 48.10 | 48.20 | 48.30 | 48.40 | 48.50 | 48.60 | 48.70 | 48.80 | 48.90 | 48 |
| 49 | 49.00 | 49.10 | 49.20 | 49.30 | 49.40 | 49.50 | 49.60 | 49.70 | 49.80 | 49.90 | 49 |
| 50 | 50.00 | 50.10 | 50.20 | 50.30 | 50.40 | 50.50 | 50.60 | 50.70 | 50.80 | 50.90 | 50 |

Distance of slope stake from side or shoulder stake for any width roadway, slope 1 to 1. If ground is nearly level, the cut or fill at side stake is located by the double entry method in left column and top row. The number in body of table in same row and column gives distance from side stake to slope stake. If ground is not level estimate the difference in elevation between the side stake and slope stake, lower target by this amount if cut, elevate if fill. Add this amount to cut or fill and find distance in table. Set up rod at this point, and line of sight should cut target. If it does not make the slight adjustment necessary.

4.83
8.65

5.54 W. T.

12.54 13.54
1.0 2.00
14.54 16.54

4.36
2
8.72

1.86
2

3.72

5.19
10.38

3.56
2

2.57
2

7.12

5.10

3.84
2

7.68

3.05
2

4.26
2

8.50

11.05

4.05
2

4.61
2

9.22

5.00

4.76
2

9.52

1.

INDEX

RANGE

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010-09

6-7

763 ~~no. 1.~~ (2 books) 1.
#763.

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RANGE

PAGE

2.

RANGE 07-08

4 2.

| STA. | B.S. | H.I. | F.S. | ELEV. | |
|-------------------|-------|---------|-------|---------|-------------------|
| R-08 | | | | 3060.37 | TOP OF PIPE |
| 0+00 | -.10 | 3060.27 | — | 3059.5 | GROUND @ PIPE |
| 0+15 | | | 6.9 | 3053.4 | |
| 0+20 | | | 13.0 | 3047.3 | |
| T.P. ₁ | 0.41 | 3048.58 | 12.10 | 3048.17 | |
| 0+40 | | | 2.9 | 3045.7 | |
| 0+50 | | | 7.1 | 3041.5 | |
| T.P. ₂ | .63 | 3036.86 | 12.35 | 3036.23 | |
| T.P. ₃ | .53 | 3025.35 | 12.04 | 3024.82 | |
| 1+50 | | | 11.4 | 3014.0 | |
| T.P. ₄ | .80 | 3016.03 | 10.12 | 3015.23 | |
| 1+65 | | | 5.0 | 3011.0 | |
| 1+75 | | | 7.0 | 3009.0 | |
| 1+85 | | | 8.8 | 3007.2 | |
| 1+95 | | | 9.6 | 3006.4 | |
| 2+05 | | | 11.7 | 3004.3 | |
| 2+39 | | | 11.7 | 3004.3 | |
| T.P. ₅ | 10.14 | 3024.28 | 1.89 | 3014.14 | |
| 2+85 | | | 7.9 | 3016.4 | |

JULY 12, 1948

BRIGHT SUN

F. B. FINNEY X

R. GRANSTEDT

D. ELLIOTT

P. SMITH

RANGE 07-08 CONT.

| STA. | B.S. | H.I. | F.S. | ELEV. |
|-------------------|-------|---------|------|---------|
| T.P. ₆ | 11.45 | 3034.06 | 1.67 | 3022.61 |
| T.P. ₇ | 12.22 | 3045.54 | 0.74 | 3033.32 |
| 3+30 | | | 6.3 | 3039.2 |
| T.P. ₇ | 7.05 | 3051.91 | 0.68 | 3044.86 |
| 3+45 | | | 6.2 | 3045.7 |
| 3+55 [±] | | | 1.0 | 3050.9 |
| R-07 | | | 0.04 | 3051.87 |

4.

RANGE 04-06

| STA | B.S. | H.I. | F.S. | ELEV. | |
|-----------------|-------|---------|-------|---------|-------------------|
| R-04 | 1.03 | 3048.02 | | 3046.99 | TOP OF PIPE |
| 0+00 | | | 2.6 | 3045.4 | GROUND @ PIPE |
| 0+80 | | | 12.3 | 3035.7 | |
| TP ₁ | 0.26 | 3036.42 | 11.86 | 3036.16 | |
| TP ₂ | 1.53 | 3025.11 | 12.84 | 3023.58 | |
| 1+55 | | | 2.3 | 3022.8 | |
| TP ₃ | 0.45 | 3014.29 | 11.27 | 3013.84 | |
| 3+00 | | | 2.6 | 3022.5 | |
| 3+50 | | | 5.5 | 3019.6 | |
| TP ₄ | 1.82 | 3003.51 | 12.60 | 3001.69 | |
| 5+00 | | | 4.2 | 2999.3 | |
| 6+00 | | | 7.1 | 2996.4 | |
| TP ₅ | 1.89 | 2994.71 | 10.69 | 2992.82 | |
| 7+00 | | | 3.0 | 2991.7 | |
| 7+40 | | | 5.1 | 2989.6 | |
| 8+35 | | | 5.9 | 2988.8 | |
| 8+50 | | | 4.7 | 2990.0 | |
| 9+00 | | | 2.3 | 2992.4 | |
| TP ₆ | 11.33 | 3004.71 | 1.33 | 2993.38 | |

JULY 13, 1948

BRIGHT SUN

F. B. FINNEY T

R. GRANSTEDT

D. ELLIOTT

P. SMITH

4

4

| STA. | B.S. | H.I. | F.S. | ELEV. | |
|------------------|-------|---------|-----------------|---------|-------------------|
| 10+50 | | | 0.6 | 3004.1 | |
| TP ₇ | 12.68 | 3017.24 | 0.15 | 3004.56 | |
| TP ₈ | 12.57 | 3029.68 | 0.13 | 3017.11 | |
| 12+00 | | | 10.6 | 3019.1 | |
| TP ₉ | 12.24 | 3040.14 | 1.78 | 3027.90 | |
| 12+50 | | | 10.2 | 3029.9 | |
| 12+80 | | | 7.1 | 3037.0 | |
| 13+45 | | | 12.2 | 3027.9 | |
| 14+00 | | | 5.3 | 3034.8 | |
| TP ₁₀ | 12.82 | 3051.05 | 1.91 | 3038.23 | |
| 14+28 | | | 10.8 | 3040.3 | |
| 14+51.9 | | | 0.17 | 3050.88 | GROUND @ PIPE |
| R-06 | | | $\frac{+}{.92}$ | 3051.80 | TOP OF PIPE |

6

RANGE 010-09

| STA. | B.S. | H.I. | FS. | ELEV. | |
|-----------------|-------|---------|-------|---------|------------------|
| R-010 | 0.22 | 3059.26 | | 3059.04 | TOP OF PIPE |
| 0+00 | | | 1.0 | 3058.26 | GROUND @ PIPE |
| 0+53 | | | 4.3 | 3055.0 | |
| TP ₁ | 1.77 | 3049.28 | 11.75 | 3047.51 | |
| TP ₂ | 1.46 | 3038.23 | 12.51 | 3036.77 | |
| 1+03 | | | 6.0 | 3032.2 | |
| 1+49 | | | 11.5 | 3026.7 | |
| TP ₃ | 0.22 | 3027.36 | 11.09 | 3027.14 | |
| 2+05 | | | 10.4 | 3017.0 | |
| 2+16 | | | 15.0 | 3012.4 | |
| 2+28 | | | 10.5 | 3016.9 | |
| 3+40 | | | 6.3 | 3021.1 | |
| 5+30 | | | 8.7 | 3018.7 | |
| TP ₄ | 3.85 | 3022.51 | 8.70 | 3018.86 | |
| 6+00 | | | 10.4 | 3012.1 | |
| 6+75 | | | 7.8 | 3014.7 | |
| 7+50 | | | 14.1 | 3008.4 | |
| 8+00 | | | 9.7 | 3012.8 | |
| TP ₅ | 12.03 | 3029.34 | 5.20 | 3017.31 | |

JULY 13, 1948

BRIGHT SUN

F. B. FINNEY T

R. GRANSTEDT

D. ELLIOTT

P. SMITH

6

| STA. | B.S. | HI | FS | ELEV. | |
|-----------------|-------|---------|------|---------|------------------|
| 10+00 | | | 5.3 | 3024.0 | |
| 10+75 | | | 4.4 | 3024.9 | |
| TP ₆ | 12.26 | 3041.11 | 0.49 | 3028.85 | |
| 11+65 | | | 1.7 | 3039.4 | |
| TP ₇ | 11.89 | 3052.73 | 0.27 | 3040.84 | |
| 12+54' | | | 2.8 | 3049.9 | GROUND @ PIPE |
| R-09 | | | 1.50 | 3051.23 | TOP OF PIPE |

| SHOT # | DEPTH OR VERT. Z | INT. | HOR. DIST. | VERT. DIST. | STA. | ELEV. | REMARKS |
|--------|---------------------|------|---------------|----------------|-------------------|---------|---------------------------------------|
| +1 | +9° 15' | 3.89 | 383.94 | 62.63 | R-03 | 3048.86 | TOP OF PIPE |
| | | | | | 0+00 | 3048.1 | PIPE IS .8' ABOVE GROUND |
| +2 | +8° 15' | 3.33 | 329.57 | 47.62 | 0+54 ¹ | 3033.85 | |
| +3 | +9° 00' | 2.57 | 256.38 | 17.99 | 1+27 ⁵ | 3004.22 | |
| +4 | 0° 00' | 2.36 | 236.0 | 0.00 | 1+47 ⁹ | 2986.23 | SILT EDGE |
| +5 | -1° 30' | 2.20 | 219.93 | -5.72 | 1+64 ⁹ | 2980.51 | |
| -1 | 9.8 | 2.05 | 205.0 | | 1+79 | 2956.4 | WATER SHOTS (MINUS SHOTS) |
| -2 | 21.0 | 1.75 | 175.0 | | 2+09 | 2955.2 | 10.0' + DEPTH = V. DIST. BELOW GUN |
| -3 | 23.9 | 1.37 | 137.0 | | 2+47 | 2952.3 | |
| -4 | 23.6 | 1.10 | 110.0 | | 2+74 | 2952.6 | |
| -5 | 19.2 | .93 | 93.0 | | 2+91 | 2957.0 | |
| -6 | 11.0 | .70 | 70.0 | | 3+14 | 2968.2 | |
| +6 | -8° 45' | 0.74 | 33.61 | -5.17 | 3+50 ³ | 2981.06 | SHORE LINE |
| +7 | +7° 30' | 0.52 | 51.55 | 6.81 | 4+35 ⁵ | 2993.04 | ← PLUNGED GUN |
| +8 | +5° 15' | 1.03 | 102.57 | 9.48 | 4+86 ⁵ | 2995.71 | |
| +9 | +10° 30' | 1.52 | 149.46 | 27.66 | 5+33 ⁴ | 3013.89 | |
| +10 | +12° 45' | 2.00 | 195.06 | 44.20 | 5+79 ⁹ | 3030.43 | |
| +11 | +13° 00' | 2.35 | 228.98 | 52.88 | 6+12 ⁹ | 3039.11 | |
| +12 | +13° 00' | 2.66 | 259.19 | 59.85 | 6+43 ¹ | 3046.08 | EDGE OF ROAD |

7-14-47

GUN ELEV. IS.

2986.23



RANGE 03-05 CONT.

| SHOT # | VERT. L | INT. | HOR. DIST | VERT. DIST. | STA | ELEV. | REMARKS |
|--------|----------|------|-----------|-------------|-------------------|---------|--|
| +13 | | | | | 6+43 ³ | 3046.08 | EDGE OF ROAD SAME ELEV. - +21' DIST |
| +14 | +13° 00' | 3.30 | 321.55 | 74.25 | 7+05 ⁵ | 3060.48 | |
| +15 | +13° 00' | 3.44 | 335.19 | 77.40 | R-05 | 3063.63 | TOP OF PIPE |
| | | | | | 7+19 ¹ | 3062.5 | TOP IS 1.11 ABOVE GR |

| SHOT # | VERT. \angle | INT. | HOR. DIST. | VERT. DIST. | STA | ELEV. | REMARKS |
|--------|----------------|------|------------|-------------|-------|---------|-------------------------|
| +1 | +14° 30' | 2.45 | | | R-015 | 3056.66 | TOP OF PIPE |
| | | | | | 0+00 | | TOP IS .9 ABOVE GROUND |
| +2 | +14° 15' | 1.72 | | | | | |
| +3 | +9° 45' | 0.63 | | | | | |
| +4 | +14° 30' | 0.21 | | | | | |
| +5 | -15° 00' | 0.46 | | | | | SHORE LINE |
| -1 | -10° 30' | 0.79 | | | | | WATER SHOT DEPTH - 4.5' |
| +6 | -7° 30' | 0.98 | | | | | SHORE LINE |
| +7 | +4° 15' | 2.11 | | | | | |
| +8 | +6° 30' | 2.43 | | | | | |
| +9 | +7° 30' | 2.79 | | | | | |
| +10 | +8° 00' | 3.00 | | | | | |
| +11 | +8° 15' | 3.56 | | | | | |
| +12 | +8° 45' | 3.61 | | | R-016 | | TOP OF PIPE |
| | | | | | | | TOP IS .8 ABOVE GROUND |

7-14-48

| STA | + B.S. | H.I. | - F.S. | ELEV. | DEPTH |
|-------------------|-----------|---------|-----------|---------|-------|
| R-03 | 1.29 | 3050.15 | | 3048.86 | |
| 0+00 | | | | 3048.1 | |
| 0+30 | | | 9.4 | | |
| TP ₁ | 0.07 | 3037.59 | 12.63 | 3037.52 | |
| 0+52 | | | 7.9 | | |
| TP ₂ | 0.33 | 3026.63 | 11.29 | 3026.30 | |
| TP ₃ | 0.95 | 3014.90 | 12.68 | 3013.95 | |
| 1+11 | | | 1.4 | | |
| TP ₄ | 0.42 | 3002.74 | 12.58 | 3002.32 | |
| TP ₅ | 1.23 | 2992.97 | 11.00 | 2991.74 | |
| 1+52 ² | 13.10 | | 10.5 | 2982.47 | |
| -1 | | | | | |
| -2 | | | | | |
| -3 | | | | | |
| -4 | | | | | |
| -5 | | | | | |
| -6 | | | | | |
| 3+38 | | | 10.5 | 2982.47 | |
| TP ₆ | 13.10 | 3005.47 | 0.60 | 2992.37 | |

7-15-48

REMARKS

TOP OF
PIPE

GROUND @ PIPE

SHORE
LINESHORE
LINE

3005.47

| STA | B.S. | HI | FS | ELEV. |
|------------------|-------|---------|------|--|
| 4+25 | | | 10.4 | |
| 4+72 | | | 7.8 | |
| TP ₇ | 12.76 | 3019.16 | 1.67 | 3004.40 |
| 5+17 | 0.50 | | 2.2 | |
| TP ₈ | 12.30 | 3028.90 | 0.86 | 3016.50 |
| 5+45 | | | 5.1 | |
| TP ₉ | 12.66 | 3039.65 | 1.91 | 3026.99 |
| TP ₁₀ | 12.09 | 3051.09 | 0.65 | 3039.00 |
| 6+00 | | | 11.3 | |
| 6+25 | | | 3.8 | EDGE OF ROAD |
| 6+50 | | | 3.3 | |
| TP ₁₁ | 4.49 | 3053.36 | 2.22 | 3048.87 |
| TP ₁₂ | 17.25 | 3062.53 | 3.08 | 3050.28 |
| TP ₁₃ | 5.70 | 3069.11 | 1.12 | 3061.41 |
| E.O.R | | | 0.98 | 3066.13 TOP OF PIPE 4.15 ft. |
| 6+79 | | | 7.6 | |

| SHOT # | VERT. \angle | INT. | HOR. DIST. | VERT. DIST. | STA. | ELEV. | REMARKS |
|--------|----------------|------|------------|-------------|-------------------|---------|---|
| + 1 | 9°21' | 3.82 | 371.92 | 61.23 | R-05 | 3048.86 | TOP OF PIPE |
| | | | | | 0+00 | 3048.1 | PIPE IS .8' ABOVE GROUND |
| + 2 | 8°48.5' | 3.50 | 331.81 | 52.92 | 0+40 ⁻ | 3040.5 | |
| + 3 | 7°30' | 3.27 | 321.40 | 42.31 | 0+50 ^E | 3029.9 | |
| + 4 | 4°18' | 2.56 | 254.56 | 19.15 | 1+17 ^g | 3006.8 | |
| + 5 | -1°15' | 2.21 | 219.90 | -4.81 | 1+52 | 2982.8 | SHORE LINE |
| | | | | | | | GUN IS @ 2987.63 |
| + 6 | -8°11' | 0.35 | 34.06 | -4.97 | 3+37 ² | 2982.6 | SHORE LINE PLUNGED GUN |
| + 7 | 7°55' | 0.58 | 56.90 | 7.89 | 4+28 ² | 2995.5 | |
| + 8 | 5°22' | 1.01 | 100.12 | 9.40 | 4+72 ² | 2997.0 | |
| + 9 | 10°25' | 1.48 | 143.16 | 26.31 | 5+15 ⁻ | 3013.9 | |
| + 10 | 11°37' | 1.80 | 172.69 | 35.50 | 5+44 ^E | 3023.1 | |
| + 11 | 12°54' | 2.03 | 192.89 | 44.17 | 5+64 ⁸ | 3031.8 | |
| + 12 | 12°41' | 2.42 | 230.34 | 51.84 | 6+02 ³ | 3039.5 | |
| + 13 | 12°54' | 2.72 | 258.45 | 51.19 | 6+30 ⁴ | 3038.8 | EDGE OF ROAD |
| + 14 | 13°01' | 3.22 | 305.67 | 70.65 | 6+77 ⁶ | 3058.3 | OTHER EDGE OF ROAD 25 FT. H.D. SAME ELEV. |
| + 15 | 13°10' | 3.52 | 333.73 | 78.07 | 7+05 ² | 3065.70 | |

4
7-1448

| SHOT | VERT. L | INT. | HOR. DIS. | VERT. DIST. | STA | ELEV. | REMARKS | 7-15-48 |
|------|-------------------|------|-----------|-------------|-------------------|---------|------------------------------------|----------------------|
| +1 | +14°52' | 2.22 | 207.40 | 55.06 | R-015 | 3056.66 | TOP OF PIPE | |
| | | | | | OF00 | 3055.8 | TOP IS .9 ABOVE GROUND | |
| +2 | +14°58' | 1.47 | 137.2 | 36.68 | 0470 ² | 3038.3 | | |
| +3 | +14°34' | 1.03 | 96.5 | 25.07 | 1410 ² | 3026.7 | | TARGET Ø 5.00' |
| +4 | +13°36' | 0.67 | 63.3 | 15.31 | 1444 ¹ | 3016.9 | | |
| +5 | +7°55' | 0.35 | 34.3 | 4.77 | 1473 ¹ | 3006.4 | | GUN IS AT 3001.60 |
| +6 | 0 | 0 | 0 | 0 | 2407 ⁴ | 3001.6 | PLUNGE GUN BREAK AT ZERO | |
| +7 | -13°09' | 0.50 | 47.4 | -11.08 | 2454 ⁸ | 2990.5 | | |
| +8 | -15°01' | 0.72 | 67.15 | -18.04 | 2474 ⁹ | 2983.6 | SHORE LINE | |
| +9 | -8°37' -13°28' | 1.22 | 119.26 | -18.08 | 3426 ⁷ | 2983.5 | WATER SHOT +30 -4.5' SHORE LINE | |
| +10 | -4°14' | 1.55 | 154.16 | -11.41 | 3461 ⁶ | 2990.2 | | |
| +11 | +2°40' | 2.30 | 229.49 | 10.70 | 4436 ² | 3012.3 | | |
| +12 | +4°52' | 2.77 | 275.01 | 23.41 | 4482 ⁴ | 3025.0 | | |
| +13 | +6°33' | 3.20 | 315.84 | 36.26 | 5423 ² | 3037.9 | | |
| +14 | +7°26' | 3.79 | 372.67 | 48.63 | 5480 ¹ | 3050.23 | TOP OF PIPE | |
| | | | | | | | TOP TO B.O.P. =.8 | |

RANGE 07-08

15

| SHOT | VERT. L | INT. | HOR. Dis | VERT. Dis | STA | ELEV. | REMARKS |
|------|---------|------|----------|-----------|------|-------|--------------------------|
| + 1 | 19°38' | 1.49 | 132.18 | 47.16 | R-07 | | TOP OF PIPE |
| + 2 | 17°53' | 1.08 | 97.8 | 31.6 | | | |
| + 3 | 7°21' | 0.52 | 51.2 | 66.0 | | | |
| + 4 | 0°49' | 0.17 | 17.0 | 0.243 | | | SILT EDGE PLUNGED GUN |
| + 5 | -0°07' | 0.13 | 7 | .026 | | | SILT EDGE |
| + 6 | 7°57' | 0.90 | 88.3 | 12.32 | | | |
| + 7 | 13°01' | 1.92 | 182.2 | 42.2 | | | ROAD EDGE |
| + 8 | 12°08' | 2.10 | 201 | 43.1 | | | OTHER ROAD EDGE |
| + 9 | 13°34' | 2.19 | 207 | 49.9 | | | |
| + 10 | 14°18' | 2.35 | 220.67 | 56.24 | R-08 | | TOP OF PIPE |

7-16-48

RANGE 024-025

18

| STA | D.S. | H.I. | F.S. | ELEV. | |
|-----------------|------|---------|-------|---------|----------------|
| R024 | 1.98 | 3067.54 | | 3065.56 | T.O.P. |
| | | | 2.7 | 3064.8 | P. TO G. .7 |
| 0+50 | | | 10.2 | 3057.3 | |
| TP ₁ | 0.67 | 3057.10 | 11.11 | 3056.43 | |
| 1+00 | | | 11.9 | 3045.2 | |
| TP ₂ | 1.74 | 3047.73 | 11.11 | 3045.99 | |
| 2+00 | | | 8.5 | 3039.2 | |
| TP ₃ | 0.57 | 3039.56 | 8.74 | 3038.99 | |
| 3+00 | | | 1.4 | 3038.2 | |
| TP ₄ | 0.81 | 3029.98 | 10.39 | 3029.17 | |
| 4+25 | | | 5.2 | 3024.8 | |
| 5+00 | | | 10.0 | 3030.98 | |
| 5+76 | | | 6.6 | 3023.4 | |
| TP ₅ | 1.43 | 3019.22 | 12.19 | 3017.79 | |
| 7+00 | | | 10.8 | 3008.4 | |
| TP ₆ | 1.36 | 3007.78 | 12.80 | 3006.42 | |
| 8+00 | | | 4.5 | 3003.3 | |
| 9+00 | | | 8.8 | 2999.0 | |
| 10+00 | | | 11.6 | 2996.2 | |

7-18-48

(GIVEN ELEV. OF #25²⁴ IS INCORRECT)

CORRECT ELEV. OF #25 IS 3064.35

" " " #24 IS 3064.38

| | B.S. | 3002.78 | F.S. | |
|------------------|-------|---------|-------|---------|
| TP ₇ | 1.83 | 2997.95 | 11.66 | 2996.12 |
| 11+00 | | | 2.7 | 2995.7 |
| 12+00 | | | 5.8 | 2992.1 |
| 13+00 | | | 5.9 | 2992.0 |
| 14+00 | | | 4.0 | 2993.9 |
| TP ₈ | 7.23 | 3002.75 | 2.43 | 2995.52 |
| 15+00 | | | 8.00 | 2994.7 |
| 16+00 | | | 7.2 | 2995.5 |
| 17+00 | | | 6.4 | 2996.3 |
| 18+00 | | | 5.3 | 2997.4 |
| 19+00 | | | 5.1 | 2997.6 |
| 20+00 | | | 2.4 | 3000.3 |
| TP ₉ | 12.96 | 3012.76 | 2.95 | 2999.80 |
| 21+00 | | | 7.3 | 3005.5 |
| 22+00 | | | 0.0 | 3012.8 |
| TP ₁₀ | 12.40 | 3024.86 | 0.30 | 3012.46 |
| 23+00 | | | 5.3 | 3019.6 |
| TP ₁₁ | 12.35 | 3036.77 | 0.44 | 3024.42 |
| 24+00 | | | 7.1 | 3029.7 |

| STA | B.S. | H.I. | F.S. | |
|--------------------|-------|---------|-------|---------|
| 24+52 | | 3036.77 | 3.8 | 3032.9 |
| 24+77 | | | 5.7 | 3031.1 |
| 25+15 | | | 1.3 | 3035.5 |
| 25+40 | | | 1.9 | 3034.8 |
| 27+00 | | | 11.0 | 3025.8 |
| T.P. ₂ | 6.97 | 3031.52 | 12.22 | 3024.55 |
| 28+00 | | | 8.1 | 3023.4 |
| 29+48 | | | 8.2 | 3023.3 |
| 31+00 | | | 17.9 | 3013.6 |
| 32+00 | | | 17.0 | 3014.5 |
| 33+50 | | | 14.0 | 3017.5 |
| 34+23 | | | 5.5 | 3026.0 |
| T.P. ₁₃ | 13.06 | 3043.80 | 0.78 | 3030.74 |
| 35+75 | | | 5.8 | 3038.0 |
| 36+00 | | | 3.3 | 3040.5 |
| 37+00 | | | 2.5 | 3041.3 |
| T.P. ₁₄ | 7.86 | 3049.99 | 1.67 | 3042.13 |
| 38+00 | | | 4.3 | 3045.7 |
| 39+00 | | | 7.2 | 3042.9 |

BOOTED
ROD

BOOTED
ROD

44+36²

| | | | |
|------------|------------|------|------|
| 12.1 | 16.4 | 12.4 | 11.2 |
| <u>3.4</u> | | | |
| 15.5 | <u>3.0</u> | | 3.5 |
| | 14.9 | | |

| STA. | B.S. | H.I. | F.S. | ELEV. |
|--------------------|-------|---------|-----------------|---------|
| 40+00 | | 3049.99 | 10.3 | 3039.6 |
| 41+00 | | | 15.5 | |
| T.P. 15 | 11.49 | 3050.29 | 11.19 | 3038.80 |
| 40+85 | | | 14.9 | 3035.4 |
| 41+00 | | | 15.9 | 3034.4 |
| 41+15 | | | 14.7 | 3035.6 |
| 42+00 | | | 12.2 | 3038.1 |
| 43+00 | | | 8.3 | 3042.0 |
| T.P. 16 | 11.18 | 3060.49 | 0.98 | 3049.31 |
| 43+58 | | | 12.7 | 3047.8 |
| T.P. 17 | 6.92 | 3066.23 | 1.18 | 3059.31 |
| 44+36 ² | | | 1.5 | 3064.7 |
| R-025 | | | 0.70 | 3065.53 |

RANGE 38 - 25

| STA | B.S. | H.I. | F.S. | ELEV. |
|-----------------|------|---------|-------|---------|
| R-38 | 1.03 | 3050.56 | | 3049.53 |
| 0+00 | | | 2.1 | 3048.5 |
| TP ₁ | 4.27 | 3042.58 | 12.25 | 3038.31 |
| 0+42 | | | 5.7 | 3036.9 |
| 1+00 | | | 9.7 | 3032.9 |
| 1+20 | | | 5.4 | 3037.2 |
| 1+42 | | | 6.7 | 3035.9 |
| 2+00 | | | 13.2 | 3029.4 |
| TP ₂ | 0.17 | 3030.24 | 12.51 | 3030.07 |
| 2+70 | | | 5.0 | 3025.2 |
| 3+00 | | | 3.3 | 3026.9 |
| 3+30 | | | 3.8 | 3026.4 |
| 3+60 | | | 7.5 | 3022.7 |
| 4+40 | | | 6.3 | 3023.9 |
| 5+00 | | | 9.3 | 3020.9 |
| TP ₃ | 0.83 | 3019.37 | 11.70 | 3018.54 |
| 5+71 | | | 2.8 | 3016.6 |
| 6+20 | | | 4.4 | 3015.0 |
| 7+08 | | | 14.0 | 3005.4 |

7-20-48

10.0

11.7
25
38

| STA | B.S. | #1 | FS | ELEV. |
|--------------------|-------|---------|----------------|---------|
| TP ₆ | 12.59 | 3023.22 | 0.16 | 3010.63 |
| 22+00 | | | 15.2 | 3008.0 |
| 23+00 | | | 11.9 | 3011.3 |
| 24+00 | | | 8.3 | 3014.9 |
| 25+00 | | | 5.7 | 3017.5 |
| 25+85 | | | 0.2 | 3023.0 |
| 26+00 | | | 0.9 | 3022.3 |
| TP ₇ | 11.22 | 3034.21 | 0.23 | 3022.99 |
| 27+00 | | | 10.0 | 3024.2 |
| 28+00 | | | 5.7 | 3028.5 |
| TP ₈ | 12.80 | 3046.65 | 0.36 | 3033.95 |
| 29+00 | | | 11.3 | 3035.4 |
| TP ₉ | 10.45 | 3056.64 | 0.46 | 3046.19 |
| 30+00 | | | 8.5 | 3048.1 |
| 31+00 | | | 2.0 | |
| TP ₁₀ | 11.11 | 3066.59 | 1.16 | 3055.48 |
| 31+05 [±] | | | 2.9 | 3063.6 |
| R-025 | | | 2.15 | 3064.44 |

3.0 49.53
1.03
12.25-
4.27
12.51-
.17
11.70-
.83
12.06-
4.01
3.36-
2.83
.16-
12.59
.23-
11.22
.36-
12.80
.46-
10.45
1.16-
11.11
2.15-

3.0 64.44*
*

RANGE 21-23

K

| STA. | + | | - | |
|-----------------|------|---------|-------|---------|
| | B.S. | HI | FS | EL. |
| R-021 | 2.25 | 3056.36 | | 3054.11 |
| 0+00 | | | 3.0 | 3053.3 |
| 0+42 | | | 7.3 | 3049.1 |
| 0+65 | | | 11.4 | 3045.0 |
| TP ₁ | 1.76 | 3046.61 | 11.51 | 3044.85 |
| TP ₂ | 1.25 | 3035.83 | 12.03 | 3034.58 |
| 2+00 | | | 5.9 | 3029.9 |
| 3+00 | | | 11.7 | 3024.1 |
| TP ₃ | 1.99 | 3026.62 | 11.20 | 3024.63 |
| 3+45 | | | 3.6 | 3023.0 |
| 4+75 | | | 7.9 | 3018.6 |
| 5+20 | | | 3.5 | |
| 5+40 | | | 6.2 | |
| TP ₄ | 0.37 | 3014.91 | 12.08 | 3014.54 |
| 5+75 | | | 5.0 | |
| TP ₅ | 0.67 | 3002.72 | 12.86 | 3002.05 |
| 6+30 | | | 3.2 | |
| 7+00 | | | 9.6 | |
| TP ₆ | 1.77 | 2992.75 | 11.74 | 2990.98 |

7-21-48

1.55
2.10

STA B.S. HI. FS. EL.

8+00 6.9
9+08 10.6 2982.1
T.P. 7 3.75 2990.47 6.03 2986.72

SHORE
LINE

SHOT # INT. DEPTH DIST. EL.

GUN @
8435

1 1.95 3.2
2 2.50 4.6
3 3.10 5.0
4 3.90 4.8
5 4.60 4.8
6 5.70 4.8
7 6.00 4.9
8 6.60 5.1
9 7.50? 5.7
10 8.30 5.8
11 9.20 6.0
12 10.20 6.1
13 12.60 6.1

T.P. 8 3.12 2988.86 4.73 2985.74

22+95 7.1 2981.7

SHORE
LINE

7.8 4.7 8 35
7.8 2.0 15 80
15.60 2.3 23 95

15.60

8.1 7.15
3.0 2.00
5.1 4.15

10.2

11.58 1.95 4.05 7.3
2.00 2.90 7.85 2.0
5.70 7.3

2.01 4.6
2.02 2.2

2.03 1/2 9.30
2.05 7.0
6.3
72.6

2.09

2.10 1/2

2.12

2.14 1/2

2.16

-100 = DEPTH - 1'

| STA. | B.S. | I.I. | F.S. | EL. | | |
|------------------|-------|---------|------|---------|--|----------------------|
| 24+00 | | | 2.5 | | | 11.8 3.4 15.2 |
| TP ₉ | 12.04 | 2999.55 | 1.35 | 2987.51 | | 12.1 3.4 15.5 |
| 24+75 | | | 10.7 | | | |
| 25+00 | | | 3.4 | | | |
| TP ₁₀ | 5.84 | 3004.79 | 0.60 | 2998.95 | | |
| 26+00 | | | 2.0 | | | |
| 26+80 | | | 1.0 | | | |
| 27+00 | | | 2.5 | | | |
| 27+35 | | | 7.5 | | | |
| TP ₁₁ | 9.31 | 3004.31 | 9.79 | 2995.00 | | 12.5 12.3 15.7 |
| 27+60 | | | 10.5 | | | |
| 28+00 | | | 13.2 | | | |
| 28+35 | | | 15.2 | | | |
| 28+65 | | | 15.5 | | | |
| 29+00 | | | 16.6 | | | |
| 30+45 | | | 17.5 | | | |
| 30+55 | | | 15.7 | | | |
| 32+00 | | | 13.7 | | | |
| 32+85 | | | 9.9 | | | |

| STA | BS | HI | FS | EL |
|------------------|-------|---------|------|---------|
| 33+00 | | | 7.1 | |
| 33+15 | | | 2.7 | |
| TP ₁₂ | 12.25 | 3016.55 | 0.01 | 3004.30 |
| 34+00 | | | 6.9 | |
| 34+66 | | | 0.3 | |
| TP ₁₃ | 12.93 | 3028.97 | 0.51 | 3016.04 |
| 35+60 | | | 1.8 | |
| TP ₁₄ | 12.99 | 3041.67 | 0.29 | 3028.68 |
| 36+67 | | | 7.2 | |
| TP ₁₅ | 11.85 | 3051.76 | 1.76 | 3039.91 |
| 37+02.4 | | | 4.6 | |
| R-023 | | | 3.43 | 3048.33 |

3.0 54.11

2.25

11.51-

1.76

12.03-

1.25

11.20-

1.99

12.08-

.37

12.86-

.67

11.74-

1.77

6.03-

3.75

4.73-

3.12

1.35-

12.04

.60-

5.84

9.79-

9.31

1-

12.25

.51-

12.93

.29-

12.99

1.76

1.76-

1.76-

11.85

3.43-

3.0 48.33*

*

RANGE 040-039

✓

7-22-48

| STA | B.S. | H.I. | F.S. | EL. |
|-----------------|------|---------|-------|---------|
| R-040 | 2.13 | 3056.04 | | 3053.91 |
| 0+00 | | | 3.9 | |
| 0+22 | | | 12.1 | |
| TP ₁ | 0.42 | 3044.70 | 11.76 | 3044.28 |
| 0+90 | | | 10.1 | |
| TP ₂ | 0.60 | 3033.16 | 12.14 | 3032.56 |
| 1+25 | | | 3.5 | |
| 2+00 | | | 8.8 | |
| TP ₃ | 1.86 | 3022.30 | 12.72 | 3020.44 |
| 3+00 | | | 2.6 | |
| 4+00 | | | 4.7 | |
| 5+00 | | | 3.5 | |
| 5+40 | | | 3.2 | |
| 6+00 | | | 5.3 | |
| 7+00 | | | 6.9 | |
| 8+00 | | | 7.1 | |
| 9+00 | | | 6.5 | |
| TP ₄ | 0.05 | 3016.15 | 6.20 | 3016.10 |
| 9+40 | | | 1.0 | |

73.2
8.8
24.9

| STP. | B.S. | H.I. | F.S. | EL. |
|-------|------|---------|------|---------|
| 10+00 | | | 2.1 | |
| 10+85 | | | 5.1 | |
| 10+90 | | | 6.6 | |
| 12+15 | | | 8.0 | |
| 12+25 | | | 6.7 | |
| 13+00 | | | 5.8 | |
| 14+00 | | | 5.6 | |
| 15+00 | | | 5.3 | |
| 16+00 | | | 4.4 | |
| TP5 | 3.26 | 3015.18 | 4.23 | 3012.92 |
| 17+00 | | | 3.4 | |
| 17+60 | | | 3.9 | |
| 18+15 | | | 5.3 | |
| 18+20 | | | 7.7 | |
| 19+00 | | | 7.5 | |
| 20+00 | | | 8.1 | |
| 21+00 | | | 7.9 | |
| 21+85 | | | 8.3 | |
| 22+20 | | | 9.1 | |

3016.2

| STA | BS. | HI | FS | |
|-----------------|-------|---------|------|---------|
| 23+00 | | | 8.7 | |
| 24+00 | | | 7.0 | |
| 25+00 | | | 2.8 | |
| TP ₆ | 11.28 | 3024.84 | 1.62 | 3013.56 |
| 26+12 | | | 6.8 | |
| TP ₇ | 11.85 | 3036.28 | 0.41 | 3024.93 |
| TP ₈ | 12.45 | 3048.04 | 0.69 | 3035.59 |
| TP ₉ | 8.87 | 3056.28 | 0.63 | 3047.41 |
| R-039 | | | 5.47 | 3052.81 |
| 26+89.2 | | | 6.4 | |

A.81

3048.63

3054.39

3054.39

3051.29

3048.63

3.10

5.76

2.38

H.I.

2.38

8.14

3.1

5.48

4.81

3.0 53.91
2.13
11.76-
.42
12.14-
.60
12.72-
1.86
6.20-
5
4.23-
3.26
1.62-
11.28
.41-
11.85
.69-
12.45
.63-
8.87
5.47-

3.0 50.81 *
*

RANGE 0A2-0A3

4

7-22-48

| STA. | B.S. | HI | FS | EL. |
|-----------------|------|---------|-------|---------|
| ROA2 | 0.13 | 3055.40 | | 3055.27 |
| 0+00 | | | 1.5 | |
| 0+17 | | | 9.7 | |
| 7P ₁ | 0.59 | 3043.84 | 12.15 | 3043.25 |
| 0+60 | | | 10.7 | |
| TP ₂ | 0.82 | 3032.31 | 12.35 | 3031.49 |
| 1+00 | | | 6.2 | |
| 2+00 | | | 6.1 | |
| 3+00 | | | 4.8 | |
| 3+47 | | | 5.8 | |
| 3+60 | | | 10.8 | |
| 4+00 | | | 11.8 | |
| 5+00 | | | 12.3 | |
| 6+00 | | | 12.6 | |
| TP ₃ | 6.61 | 3026.53 | 12.39 | 3019.92 |
| 7+00 | | | 7.3 | |
| 8+00 | | | 7.9 | |
| 9+00 | | | 8.6 | |
| 10+00 | | | 9.2 | |

| STA | BS | HI | FS | EL |
|--------------------|-------|---------|------|---------|
| 10+85 | | | 10.3 | |
| 11+43 | | | 10.3 | |
| 11+59 | | | 7.0 | |
| 11+91 | | | 7.4 | |
| 12+00 | | | 8.9 | |
| 12+35 | | | 9.7 | |
| 12+46 | | | 5.1 | |
| 13+00 | | | 3.5 | |
| 14+00 | | | 0.4 | |
| TP ₄ | 12.82 | 3038.71 | 0.64 | 3025.89 |
| 15+00 | | | 9.4 | |
| 15+48 | | | 4.0 | |
| TP ₅ | 9.88 | 3048.01 | 0.58 | 3038.13 |
| 15+80 | | | 5.1 | |
| 16+00 ² | | | 2.3 | |
| R 043 | | | 0.97 | 3047.04 |

305

A.81

3026.5

3.0 55.27
 .13
 12.15-
 .59
 12.35-
 .82
 12.39
 12.39-
 12.39-
 6.61
 .64-
 12.82
 .58-
 9.88
 .97-

3.0 47.0 4*

RANGE 048-049

| STA. | B.S. | H.I. | F.S. | E.L. |
|-----------------|------|---------|-------|---------|
| RO48 | 0.64 | 3050.01 | | 3049.37 |
| 0+00 | | | 2.6 | 305 |
| TP ₁ | 0.32 | 3039.20 | 11.13 | 3038.88 |
| 0+35 | | | 4.5 | |
| 0+58 | | | 6.2 | |
| 0+66 | | | 8.5 | |
| 1+00 | | | 8.3 | |
| 2+00 | | | 8.7 | |
| 3+00 | | | 7.1 | |
| 4+00 | | | 5.9 | |
| TP ₂ | 7.62 | 3041.16 | 5.66 | 3033.54 |
| 4+33 | | | 7.4 | |
| 4+45 | | | 8.5 | |
| 4+51 | | | 7.4 | |
| 5+00 | | | 6.8 | |
| 5+25 | | | 8.4 | |
| 5+85 | | | 8.5 | |
| 6+00 | | | 5.8 | |
| 7+00 | | | 5.4 | |

7-27-48

7-23-48

| STA | B.S. | H.I. | F.S. | EL. |
|--------------------|------|---------|------|---------|
| 8+00 | | | 5.7 | |
| 9+00 | | | 5.9 | |
| 10+00 | | 44.02 | 5.7 | |
| TP ₃ | 4.50 | 3040.27 | 5.39 | 3035.77 |
| 11+00 | | | 4.8 | |
| 12+00 | | | 4.6 | |
| 13+00 | | | 4.5 | |
| 14+00 | | | 4.5 | |
| 15+00 | | | 3.1 | |
| 16+00 | | | 1.0 | |
| TP ₄ | 9.75 | 3049.59 | 0.43 | 3039.84 |
| 17+00 | | | 8.5 | |
| 18+00 | | | 7.4 | |
| 18+60 | | | 6.4 | |
| 19+00 | | | 3.4 | |
| 19+26 ⁹ | | | 1.3 | |
| R-049 | | | 0.27 | 3049.32 |

3.0 49.37

.64

11.13-

.32

5.66-

7.62

5.39-

4.50

.43-

9.75

.27-

3.0 49.32*

RANGE 53-52

| STA. | B.S. | H.I. | F.S. | EL. |
|-------------------|------|-------------------------------|------|-------------------------------|
| R-053 | 4.30 | 3050.06 3052.65 | | 3045.76 3048.25 |
| 0+00 | | | 4.9 | |
| 0+16 | | | 5.4 | |
| 0+20 | | | 4.7 | |
| 1+00 | | | 4.8 | |
| 1+05 | | | 5.4 | |
| 1+50 | | | 4.8 | |
| 1+95 | | | 4.5 | |
| 2+12 | | | 5.6 | |
| 2+25 | | | 4.7 | |
| 3+00 | | | 4.5 | |
| 3+85 ³ | | | 4.5 | |
| R-052 | | | 3.57 | 3046.49 3048.98 |

4

7-27-48

-

*

*

3.0 45.76

4.30

3.57-

3.0 46.49 *

RANGE 50-51

4

7-23-48

| STA. | B.S. | H.I. | F.S. |
|------|------|-------------------------------|---------------------------------------|
| R-50 | 0.93 | 3044.82 3047.32 | 3043.89 3046.39 |
| 0+00 | | | 2.3 |
| 0+23 | | | 5.9 |
| 0+54 | | | 8.6 |
| 0+65 | | | 9.9 |
| 0+75 | | | 10.3 |
| 0+85 | | | 10.3 |
| 0+90 | | | 6.2 |
| 2+00 | | | 4.6 |
| 2+50 | | | 4.7 |
| 3+00 | | | 5.0 |
| 3+50 | | | 5.0 |
| 4+00 | | | 4.7 |
| 4+50 | | | 4.3 |
| 5+00 | | | 3.7 |
| 5+50 | | | 3.5 |
| 6+00 | | | 3.3 |
| TP. | 4.23 | 3045.95 3048.45 | 3.10 3041.72 3044.22 |
| 6+24 | | | 5.1 |

| STA | B.S. | HI. | FS. | EL. |
|-------------------|------|-----|------|--------------------|
| 6434 | | | 5.7 | |
| 6445 | | | 5.0 | |
| 7400 | | | 4.9 | |
| 7450 | | | 5.3 | |
| 8400 | | | 5.1 | |
| 8450 | | | 4.3 | |
| 8496 ^e | | | 1.5 | |
| R-051 | | | 0.70 | 3045.25 3047.75 |

3.0 43.89
93

3.10-

4.23

.70-

3.0 45.25*
*

RANGE 14-45

7-26-48

| STA | B.S. | I.I. | F.S. | EL. |
|-----------------|-------|-------------------------------|-------|-------------------------------|
| R-044 | 1.62 | 3047.61 3050.09 | | 3045.99 3048.47 |
| 0+00 | | | 2.6 | |
| 0+50 | | | 9.3 | |
| TP ₁ | 0.54 | 3036.32 3038.00 | 11.83 | 3035.78 3038.26 |
| 1+15 | | | 5.6 | |
| 2+00 | | | 10.5 | |
| TP ₂ | 0.15 | 3024.10 3026.58 | 12.37 | 3023.95 3026.43 |
| 3+00 | | | 0.6 | |
| 4+00 | | | 3.2 | |
| 5+00 | | | 5.7 | |
| 6+00 | | | 8.1 | |
| 7+00 | | | 8.4 | |
| 8+00 | | | 6.9 | |
| TP ₃ | 9.57 | 3028.54 3031.02 | 5.13 | 3018.97 3021.45 |
| 9+00 | | | 10.2 | |
| 10+00 | | | 7.8 | |
| 11+00 | | | 4.6 | |
| 12+00 | | | 2.1 | |
| TP ₄ | 12.32 | 3040.39 3042.07 | 0.47 | 3028.07 3030.55 |

RANGE 044-045

| STA | B.S. | HI | FS | EL |
|--------------------|------|--|------|--|
| 13+00 | | | 11.7 | |
| 13+05 | | | 9.0 | |
| 14+00 | | | 6.8 | |
| 14+75 | | | 1.3 | |
| TP- | 8.43 | ^{3047.74} 3050.22 | 1.08 | ^{3039.31} 3041.79 |
| 15+30 ^L | | | 3.6 | |
| R-045 | | | 2.87 | ^{3044.87} 3047.35 |

RANGE 42-A1

| STA | B.S. | H.I. | F.S. | EL. |
|-----------------|------|-------------------------------|-------|-------------------------------|
| RO42 | 1.32 | 3056.59 3059.26 | | 3055.27 3057.94 |
| 0+00 | | | 2.6 | |
| TP ₁ | 1.83 | 3045.70 3048.27 | 12.72 | 3043.87 3046.54 |
| 0+55 | | | 1.7 | |
| 1+00 | | | 9.7 | |
| 1+22 | | | 11.7 | |
| TP ₂ | 0.86 | 3034.58 37.25 | 11.98 | 3033.72 36.39 |
| 1+40 | | | 3.1 | |
| 2+00 | | | 7.1 | |
| 2+60 | | | 8.5 | |
| 2+80 | | | 7.2 | |
| 3+00 | | | 8.4 | |
| 3+22 | | | 7.9 | |
| 3+50 | | | 10.6 | |
| 4+00 | | | 12.6 | |
| TP ₃ | 0.50 | 3022.25 24.92 | 12.83 | 3021.75 24.42 |
| 5+00 | | | 4.4 | |
| 6+00 | | | 8.5 | |
| 6+50 | | | 10.1 | |

7-27-48

| STA. | B.S. | I.L. | FS. | EL. |
|-----------------|-------|--|-------|--|
| 7+00 | | | 12.1 | |
| TP ₄ | 1.94 | ^{3011.45} 3014.12 | 12.74 | ^{3009.51} 3012.18 |
| 8+00 | | | 3.4 | |
| 9+00 | | | 4.3 | |
| 10+00 | | | 4.3 | |
| 11+00 | | | 4.5 | |
| 12+00 | | | 4.7 | |
| 13+00 | | | 4.8 | |
| 14+00 | | | 4.6 | |
| TP ₅ | 12.52 | ^{3023.24} 3025.91 | .73 | ^{3010.72} 3013.39 |
| 15+00 | | | 12.7 | |
| 16+00 | | | 9.7 | |
| 17+00 | | | 6.7 | |
| TP ₆ | 13.01 | ^{3036.07} 3028.74 | 0.18 | ^{3023.06} 3025.73 |
| 18+00 | | | 13.2 | |
| 18+25 | | | 9.8 | |
| 18+38 | | | 7.0 | |
| 18+56 | | | 5.2 | |
| 18+90 | | | 0.7 | |

104
25

| STA | 8.5 | H.I. | F.S. | EL. |
|-----------------|-------|-------------------------------|------|-------------------------------|
| TP ₇ | 1.79 | 3040.00 3037.33 | 0.53 | 3028.21 3035.54 |
| 19+00 | | | 1.8 | |
| 19+30 | | | 2.1 | ? |
| 19+60 | | | 6.9 | |
| 20+00 | | | 9.8 | |
| 21+00 | | | 13.9 | |
| 22+00 | | | 10.9 | |
| 23+00 | | | 4.2 | |
| TP ₈ | 11.07 | 3050.02 3047.35 | 1.05 | 3038.96 3036.28 |
| 24+00 | | | 4.7 | |
| 24+17± | | | 1.5 | |
| R-041 | | | 0.61 | 3049.44 3046.74 |

3.0 55.27
1.32
12.72-
1.83
11.98-
.86
12.83-
.50
12.74-
1.94
.73-
12.52
.18-
13.01
.53-
1.79
1.05-
11.07
.61-

3.0 46.74*

RANGE 46-47

| STA. | B.S. | M.I. | F.S. | EL. |
|-------------------|------|--------------------|------|--------------------|
| R-046 | 1.30 | 3097.24 3049.72 | | 3095.94 3048.42 |
| 0+00 | | | 2.3 | |
| 0+50 | | | 5.5 | |
| 1+00 | | | 6.5 | |
| 1+50 | | | 5.9 | |
| 2+00 | | | 4.9 | |
| 2+50 | | | 3.4 | |
| 3+01 ^L | | | 2.2 | |
| R-047 | | | 1.48 | 3045.76 3048.24 |

7-28-48

3.0 45.94

1.30

1.48-

3.0 45.76*

RANGE 33-32

7-27-48

| STA | B.S. | H.I. | F.S. | EL. |
|-----------------|------|---------|-------|---------|
| R-033 | 1.71 | 3049.29 | 3049 | 3047.58 |
| 0+00 | | | 2.3 | |
| 1+00 | | | 5.8 | |
| 2+00 | | | 6.6 | |
| 2+67 | | | 7.6 | |
| 3+25 | | | 8.8 | |
| TP ₁ | 0.44 | 3041.15 | 8.58 | 3040.71 |
| 4+00 | | | 2.4 | |
| 5+00 | | | 5.3 | |
| 6+00 | | | 7.3 | |
| 7+00 | | | 9.3 | |
| TP ₂ | 2.86 | 3033.66 | 10.35 | 3030.80 |
| 8+00 | | | 2.7 | |
| 9+00 | | | 4.6 | |
| 10+00 | | | 5.9 | |
| 11+00 | | | 7.3 | |
| 12+00 | | | 6.9 | |
| TP ₃ | 3.54 | 3030.45 | 6.75 | 3026.91 |
| 13+00 | | | 3.8 | |

| STA | B.S. | HI | FS | EL. |
|-----------------|-------|---------|------|---------|
| 14+00 | | | 4.00 | |
| 15+00 | | | 3.1 | |
| 15+60 | | | 5.2 | |
| 15+65 | | | 7.4 | |
| 15+80 | | | 8.0 | |
| 15+94 | | | 5.7 | |
| 16+00 | | | 4.9 | |
| 17+00 | | | 4.8 | |
| 18+00 | | | 1.7 | |
| 19+00 | | | 0.0 | |
| TP ₄ | 2.14 | 3032.08 | 0.51 | 3029.94 |
| 20+00 | | | 0.6 | |
| 21+00 | | | 0.3 | |
| 21+23 | | | 1.0 | |
| 22+00 | | | 8.1 | |
| 23+00 | | | 8.8 | |
| 24+00 | | | 6.5 | |
| 25+00 | | | 3.2 | |
| TP ₅ | 11.21 | 3041.69 | 1.60 | 3030.48 |

| STA. | B.S. | H.I. | F.S. | EL. |
|--------------------|-------|---------|------|---------|
| 26+00 | | | 9.7 | |
| 27+00 | | | 6.5 | |
| 28+00 | | | 2.1 | |
| TP ₆ | 11.05 | 3052.53 | 0.21 | 3041.48 |
| 29+00 | | | 9.1 | |
| 29+25 ^e | | | 3.9 | |
| R-032 | | | 3.21 | 3049.32 |

3.0 47.58

1.71

8.58-

.44

10.35-

2.86

6.75-

3.54

.51-

2.14

1.60-

11.21

.21-

11.05

3.21-

3.0 49.32*

0+34.2

| STA. | D.S | H.I. | F.S | |
|-----------------|------|---------|------|---------|
| 6+42 | | | 7.6 | |
| 6+50 | | | 5.7 | |
| 7+00 | | | 4.5 | |
| 8+00 | | | 2.4 | |
| TP ₂ | 6.06 | 3050.41 | 1.15 | 3044.35 |
| 9+00 | | | 3.8 | |
| 9+34.2 | | | 2.7 | |
| R-036 | | | 1.95 | 3048.46 |

3.0 50.66
1.57
12.14-
5.41
1.15-
6.06
1.95-

3.0 48.46*

RANGE 35-34

| STA | B.S. | H.I. | F.S. | EL. |
|-----------------|------|---------|-------|---------|
| R-035 | 1.02 | 3052.74 | | 3051.72 |
| 0+00 | | | 1.6 | |
| 0+20 | | | 6.9 | |
| TP ₁ | 0.39 | 3041.01 | 12.12 | 3040.62 |
| 0+55 | | | 8.4 | |
| 1+00 | | | 10.1 | |
| 1+20 | | | 9.9 | |
| 1+30 | | | 8.4 | |
| 1+70 | | | 7.9 | |
| 1+83 | | | 9.0 | |
| 2+00 | | | 9.4 | |
| 2+65 | | | 7.8 | |
| 3+00 | | | 7.7 | |
| TP ₂ | 9.13 | 3042.35 | 7.79 | 3033.22 |
| 4+00 | | | 9.9 | |
| 4+12 | | | 9.8 | |
| 4+25 | | | 9.2 | |
| 4+65 | | | 9.9 | |
| 5+00 | | | 10.8 | |

7-28-48

| STA | B.S. | H.I. | F.S. | EL. |
|-------------------|------|---------|------|---------|
| 6+00 | | | 6.9 | |
| 7+00 | | | 1.8 | |
| TP ₃ | 9.65 | 3051.19 | 0.81 | 3041.54 |
| 7+65 | | | 7.2 | |
| 7+84 ² | | | 2.5 | |
| R-034 | | | 1.89 | 3049.30 |

7842

7-28-48

RANGE 30-31

| STA. | B.S. | H.I. | F.S. | EL. |
|-----------------|------|---------|-------|---------|
| R-030 | 1.44 | 3050.72 | | 3049.28 |
| 0+00 | | | 2.1 | |
| 1+00 | | | 8.3 | |
| 2+00 | | | 12.2 | |
| TP ₁ | 1.21 | 3039.16 | 12.77 | 3037.95 |
| 3+00 | | | 5.2 | |
| 4+00 | | | 8.5 | |
| 5+00 | | | 10.5 | |
| TP ₂ | 0.36 | 3028.44 | 11.08 | 3028.08 |
| 6+00 | | | 2.7 | |
| 7+00 | | | 5.2 | |
| 8+00 | | | 8.0 | |
| 9+00 | | | 10.7 | |
| 10+00 | | | 12.4 | |
| TP ₃ | 0.82 | 3016.61 | 12.65 | 3015.79 |
| 11+00 | | | 1.5 | |
| 12+00 | | | 3.1 | |
| 13+00 | | | 3.6 | |
| 14+00 | | | 4.4 | |

| STA. | D.S. | H.I. | F.S. | EL. |
|-----------------|-------|---------|------|---------|
| 14+75 | | | 6.1 | |
| 14+85 | | | 11.9 | |
| 15+30 | | | 9.5 | |
| 15+60 | | | 7.7 | |
| 16+00 | | | 9.7 | |
| 16+25 | | | 9.7 | |
| 16+35 | | | 6.7 | |
| 17+00 | | | 6.4 | |
| 18+00 | | | 5.8 | |
| TP ₄ | 8.17 | 3019.06 | 5.72 | 3010.89 |
| 19+00 | | | 8.1 | |
| 20+00 | | | 7.6 | |
| 21+00 | | | 8.0 | |
| 21+20 | | | 8.0 | |
| 22+00 | | | 5.4 | |
| TP ₅ | 12.85 | 3031.00 | 0.91 | 3018.15 |
| 24+00 | | | 5.2 | |
| 25+00 | | | 0.9 | |
| TP ₆ | 13.02 | 3043.42 | 0.60 | 3030.40 |

| STA. | B.S. | H.I. | F.S. | ELEV. | |
|------------------|-------|---------|-------|---------|---------------------|
| 26+00 | | | 7.6 | | 32736 |
| TP ₇ | 6.04 | 3049.02 | 0.44 | 3042.98 | 38+11 |
| 27+00 | | | 5.3 | | |
| 27+25 | | | 3.3 | | TOP OF SADDLE |
| 28+00 | | | 5.1 | | |
| 28+50 | | | 11.0 | | |
| TP ₈ | 1.35 | 3038.20 | 12.17 | 3036.85 | |
| 29+00 | | | 3.3 | | |
| 30+00 | | | 9.4 | | |
| TP ₉ | 0.95 | 3025.85 | 12.80 | 3025.40 | |
| 31+00 | | | 3.5 | | |
| 32+00 | | | 8.4 | | |
| TP ₁₀ | 9.00 | 3021.94 | 12.91 | 3012.94 | |
| 33+00 | | | 10.00 | | |
| 34+00 | | | 14.5 | | |
| 35+00 | | | 11.4 | | |
| 36+00 | | | 2.8 | | |
| TP ₁₁ | 12.88 | 3034.05 | 0.77 | 3021.17 | |
| 36+25 | | | 10.4 | | ? |

| STA. | B.S. | H.I. | F.S. | EL. |
|------------------|-------|---------|------|---------|
| TP ₁₂ | 12.91 | 3046.86 | 0.10 | 3038.95 |
| 37+00 | | | 8.6 | |
| 37+36 | | | 3.5 | |
| TP ₁₃ | 9.13 | 3055.34 | 0.65 | 3046.21 |
| 38+11 | | | 6.9 | |
| R-031 | | | 6.79 | 3048.55 |

3.0 49.28
1.44
12.77-
1.21
11.08-
.36
12.65-
.82
5.72-
8.17
.91-
12.85
.60-
13.02
.44-
6.04
12.17-
1.35
12.80-
.45
12.91-
9.00
.77-
12.88
.10-
12.91
.65-
9.13
6.79-
3.0 48.55*

RANGE 028-029

| STA. | B.S. | H.I. | F.S. | EL. |
|-----------------|------|---------|-------|---------|
| R-028 | 0.33 | 3053.03 | | 3052.70 |
| 0+00 | | | 1.1 | 3051.9 |
| 0+20 | | | 8.3 | 3044.7 |
| TP ₁ | 2.84 | 3047.03 | 8.84 | 3044.19 |
| 1+00 | | | 11.9 | 3035.1 |
| TP ₂ | 0.61 | 3034.78 | 12.86 | 3034.17 |
| 2+00 | | | 7.2 | 3027.6 |
| TP ₃ | 0.12 | 3022.31 | 12.59 | 3022.19 |
| 3+00 | | | 4.1 | 3018.2 |
| 4+00 | | | 9.3 | 3013.0 |
| 5+00 | | | 7.5 | 3014.8 |
| 6+00 | | | 13.2 | 3009.1 |
| TP ₄ | 0.61 | 3009.92 | 13.00 | 3009.31 |
| 6+95 | | | 5.8 | 3004.1 |
| 7+05 | | | 6.5 | 3003.4 |
| 7+15 | | | 7.6 | 3002.3 |
| 7+20 | | | 5.0 | 3004.9 |
| 8+00 | | | 5.4 | 3004.5 |
| 9+00 | | | 6.2 | 3003.7 |

| STA. | B.S. | H.I. | F.S. | EL. |
|-----------------|------|---------|------|---------|
| 10+00 | | | 7.8 | 3002.1 |
| 11+00 | | | 9.0 | 3000.9 |
| TP ₅ | 2.42 | 3003.28 | 9.06 | 3000.86 |
| 12+00 | | | 3.6 | 2999.7 |
| 13+00 | | | 4.5 | 2998.8 |
| 14+00 | | | 4.4 | 2998.9 |
| 15+00 | | | 5.0 | 2998.3 |
| 16+00 | | | 5.1 | 2998.2 |
| 17+00 | | | 5.6 | 2997.7 |
| 18+00 | | | 6.1 | 2997.1 |
| TP ₆ | 2.74 | 2999.81 | 6.21 | 2997.07 |
| 19+00 | | | 3.5 | 2996.3 |
| 20+00 | | | 3.6 | 2996.2 |
| 21+00 | | | 4.3 | 2995.5 |
| 22+00 | | | 5.1 | 2994.7 |
| 23+00 | | | 4.2 | 2995.6 |
| 23+30 | | | 5.9 | 2993.9 |
| 24+00 | | | 5.9 | 2993.9 |
| TP ₇ | 8.22 | 3002.05 | 5.98 | 2993.83 |

29+26⁸

$$\begin{array}{r} 19.2 \\ 17.7 \\ \hline 10.9 \\ 3.5 \\ \hline 14.4 \end{array}$$

| STA. | B.S. | HI | I.S. | Elev. |
|------------------|-------|---------|------|---------|
| 24+15 | | 3002.05 | 11.4 | 2990.7 |
| 24+40 | | | 13.2 | 2988.8 |
| 24+74 | | | 13.7 | 2988.3 |
| 24+75 | | | 14.4 | 2987.6 |
| 24+90 | | | 14.4 | 2987.6 |
| 24+93 | | | 9.6 | 2992.4 |
| 25+00 | | | 7.6 | 2994.4 |
| 25+50 | | | 0.5 | 3001.5 |
| TP ₈ | 12.41 | 3012.99 | 0.47 | 3001.58 |
| 26+00 | | | 9.4 | 3004.5 |
| 27+00 | | | 3.7 | 3010.2 |
| TP ₉ | 12.84 | 3026.81 | 0.02 | 3013.97 |
| 27+30 | | | 12.8 | 3014.0 |
| 28+00 | | | 8.8 | 3016.0 |
| 28+44 | | | 3.2 | 3023.6 |
| TP ₁₀ | 12.32 | 3038.57 | 0.56 | 3026.25 |
| 28+86 | | | 2.6 | 3036.0 |
| TP ₁₁ | 12.84 | 3050.92 | 0.49 | 3038.08 |
| 29+00 | | | 10.4 | 3040.5 |

| STP. | D.S. | H.I. | F.S. | EL. | |
|--------------------|------|---------|------|---------|--------------------|
| 29+20 | | 3050.92 | 2.9 | 3048.0 | |
| 29+26 ^B | | | 0.37 | 3050.5 | |
| R-029 | | | | 3052.05 | + 1.50 FR. BASE |

3.0 52.70
.33
8.84 -
2.84
12.86 -
.61
12.59 -
.12
13.00 -
.61
9.06 -
2.42
6.21 -
2.74
5.98 -
8.22
.47 -
12.41
2 -
12.84
.56 -
12.32
.49 -
12.84
.37 -
1.50

3.0 52.0 5 *

RANGE 021-022

| SHOT # | VERT. L | INT. | HOR. DIST | VERT. DIST. | DEPTH | STA. | ELEV. | H.I. 5' |
|-----------|---------|-------------------------|-----------|-------------|-------|--------|---------|--|
| R0-21 | 5°37' | 4.36 | 431.8 | 42.5 | | R0-21 | 3054.11 | T.O.P. |
| | | 4.08 | | | | | 3053.41 | .7 LESS T.O.P. B.O.P. |
| + 2 | 5°40' | 4.08 | 404 | 40.1 | | 00+27 | 3051.8 | 170 |
| + 3 | 5°30' | 3.63 | 360 | 34.62 | | 00+72 | 3046.2 | 433 |
| + 4 | 5°18' | 3.21 | 318 | 29.53 | | 01+14 | 3041.1 | 630 230 |
| + 5 | 4°44' | 2.79 | 277 | 22.92 | | 01+45 | 3034.5 | 1463 |
| + 6 | 4°18' | 1.83 | 182 | 13.70 | | 02+40 | 3025.3 | |
| + 7 | 3°44' | 1.72 | 171 | 11.18 | | 02+61 | 3022.8 | |
| + 8 | 3°04' | 1.18 | 118 | 6.30 | | 03+14 | 3017.9 | |
| + 9 | 0°08' | 0.10 | 10 | 0.3 | | 04+22 | 3013.9 | |
| + 10 | 0°00' | . | | | | 04+27 | 3004.11 | PLUNGED GUN 7.5 below Gun + 5' FROM GUN |
| + 11 | -20°12' | 0.34 | 29.96 | 11.03 | | 04+62 | 3000.3 | |
| + 12 | -19°10' | 0.62 | 55.3 | 19.22 | | 04+87 | 2992.4 | |
| + 13 | -14°04' | 1.16 | 109.1 | 27.32 | | 05+41 | 2984.3 | |
| + 14 | -11°40' | 1.48 | 142. | 29.42 | | 05+74 | 2982.2 | |
| + 15 | -9°50' | 1.65 | 160.1 | 27.79 | | 05+92 | 2983.8 | |
| + 16 | -8°14' | 2.12 | 207.6 | 30.0 | | 06+40 | 2981.6 | SHORE LINE |
| T.P. I | -7°52' | 1.76 | — | 23.85 | | T.P. I | 2987.76 | |
| B.S. T.P. | -0°10' | 6.65 6.64 | — | 181.93 | | | 2989.69 | BACK SIGHT ON T.P. I |

| SHOT | VERT. L | STA. INT. | HOR. DIST. | VERT. DIST. | DEPTH | STA. | ELEV. | |
|--------|---------------------------|-------------------------|------------|-------------|---------------|-------|--------|--|
| + 16 A | -0.44 -0.44 | 6.30 6.23 | 630 | 8.06 | | 12+69 | | SHOT 16 FROM OTHER SIDE |
| 17 | 0 | 6.2 | | | 5.0 | 06+49 | 2976.6 | 11.35 40 |
| 18 | 0 | 4.9 5.8 | | | 8.0 | 06+89 | 2973.6 | 11.39 20 12.0 |
| 19 | 0 | 5.5 | | | 15.0 | 07+19 | 2966.4 | 11.41 0 9.5 4.5 |
| 20 | 0 | 5.15 | | | 18.0 | 07+54 | 2963.6 | 11.42 0 6.15 3.0 3.15 |
| 21 | 0 | 4.8 | | | 22.0 | 07+89 | 2959.6 | 7.8 11.44 30 3.0 4.8 11.55 |
| 22 | 0 | 4.55 | | | 25.0 | 08+14 | 2956.6 | 11.46 15 7.0 4.55 |
| 23 | 0 | 3.3 | | | 28 | 09+89 | 2953.6 | 11.48 20 11.7 |
| 24 | | 2.50 | | | 31 | 10+19 | 2950.6 | 11.50 0 7.25 4.01 |
| 25 | -3.5° | 1.6 | | | 24 | | | 11.57 4.6 9.75 10 |
| 26 25 | -3.5° | 1.5 | | | 17. | 11+19 | 2964.6 | 11.54 0 8.5 85 5.6 100 |
| 27 26 | -3.5° | 1.6 | | | 20 | 11+09 | 2961.6 | |
| 28 29 | -3° | 1.7 | | | 24 | 10+99 | 2957.6 | 12 |
| 28 | | .80 | | | 12 | 11+89 | 2969.6 | 12.01 |
| 29 | -15°40' | 0.29 | 26.91 | 7.54 | | 12+40 | 2982.2 | water level shore |
| 30 | +5°14' | 0.51 | 50.5 | 4.63 | | 13+19 | 2994.3 | PLUNGE GUN .6 + ELEV. OF GROUND AT GUN H.I. - 44 = ELEV. |
| 31 | +10°26' | 0.84 | 8.12 | 14.98 | | 13+50 | 3004.7 | |
| 32 | +9°58' | 1.00 | 97.0 | 17.05 | | 13+54 | 3006.7 | |
| 33 | +10°30' | 1.03 | 99.5 | 18.48 | | 13+69 | 3008.2 | |

| SHOT | VERT. L | STA. INT | | | STA | |
|------|---------|-------------------------|-------|-------|--------|---------|
| 34 | +10°36' | 1.26 | 121.7 | 22.76 | 13491 | 3012.5 |
| 35 | +14°12' | 1.61 | 151.3 | 38.30 | 14+20 | 3028.0 |
| 36 | +14°24' | 1.72 | 161.5 | 41.4 | 14+31 | 3031.1 |
| 37 | +13°38' | 1.90 | 179.4 | 43.5 | 14+48 | 3033.2 |
| 38 | +14°00' | 1.99 | 187.3 | 46.75 | 14+56 | 3036.4 |
| 39 | | | | | 14+84 | 3050.55 |
| 40 | +16°04' | 2.34 2.33 | 215 | 61.9 | R-6+22 | 3051.59 |

BoP 1.04- Top of Pipe

Top of Pipe

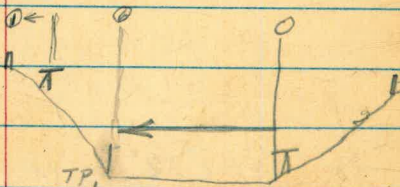
RANGE 20-19

8-3-46

| SHOT # | VERT. L | INT. | HOR. DIST. | VERT. DIST. | DEPTH | STH. | ELIV. |
|-----------------|---------|-----------------|----------------|-------------------------------|-----------------|------|------------|
| 1 | 0° | 1.34 | 34.0 | 1.21 (B.S.) (DIRECT LEVEL) | | | 3045.31 |
| 2 | 0° | 1.11 | 11.0 | 4.35 (F.S.) (D.L.) | | | |
| 3 | -29°46' | .23 | 17.32 | 99.0 | | | |
| 4 | -28°30' | .52 | 40.2 | 21.8 | | | |
| 5 | -21°30' | .81 | 70.1 | 27.6 | | | |
| TP ₁ | -13°36' | 1.06 | 100.2 | 24.24 | | | 3018.28 |
| 6 back | +2°44' | 6.87 | 675 | 32.2 | | | 2986.08 |
| 7 | +1°52' | 6.79 | 678 | 22.15 | | | |
| 8 | -0°18' | 6.33 | 633 | 32.9 | | | Smoke Line |
| 9 | | 5.99 | 599 | | 32.3 | | 47:20 |
| 10 | | 5.60 | 560 | | 38.1 | | 49:50 |
| 11 | | 5.50 | 550 | | 38.8 | | 52:30 |
| 12 | | 5.02 | 502 | | 38.9 | | 54:15 |
| 13 | | 5.05 | 505 | | 38.1 | | 59:35 |
| 14 | | 4.95 | 4.95 | | 38.5 | | 01:30 |
| 15 | | 4.00 | 4.00 | | 35.0 | | 03:15 |
| 16 | | 3.60 | 3.60 | | 30.2 | | 04:50 |
| 17 | | 3.00 | 3.00 | | 26.3 | | 06:25 |
| 18 | | 2.40 | 2.40 | | 20.4 | | 08:35 |

REMARKS

B.O.P. -.75



target set @ 4.0'

$\frac{25}{70}$ $\frac{45}{59}$ $\frac{45}{246}$ $\frac{45}{280}$
 $\frac{400}{99}$ $\frac{346}{53}$ $\frac{28}{10}$

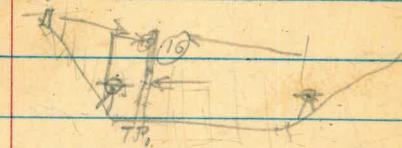
| SHOT | L | INT | H. DIST | V. DIST | DEPTH | STA. | EL. | |
|------|--------|------|---------|---------|-------|---------|-------------|--------------|
| 19 | | 1.90 | 190 | | 14.8 | | | 10:30 |
| 20 | | 1.55 | 155 | | 3.0 | | | 12:20 |
| 21 | | 1.81 | 181 | | 12.7 | | | 15:50 |
| 22 | -1°33' | 1.14 | 114 | 3.07 | | | | SHORE LINE |
| 23 | -3°46' | .51 | 51 | 3.35 | | | | |
| 24 | -9°32' | .18 | 17.5 | 2.94 | | | | ← plunged in |
| 25 | +2°42' | .54 | 54 | 2.54 | | | | |
| 26 | 0°50' | 1.43 | 143 | 2.07 | | | | |
| 27 | 6°25' | 3.40 | 336 | 32.75 | | | | |
| 28 | 7°18' | 3.66 | 360 | 46.1 | | | | |
| 29 | 8°21' | 4.39 | 430 | 63.1 | | 3049.18 | T.O.P. | 4.79 |
| 30 | | | | | | | B.O.P -1.40 | |

X

RANGE 026-027

14.85 0°00'

8-A-48

| SHOT | VERT L | INT. | H. DIST | V. DIST | DEPTH | STA | ELEV | | |
|------|-----------------------------|-------|---------|---------|-------|-------|---------|--------------------------------|---|
| 1 | 8° 51' | 4.66 | 455 | 70.83 | | R026 | 3051.01 | T.O.P. 026 | REESTABLISHED 026 |
| 2 | T.O.P. - .5' | | | | | 0400 | 3051.5 | B.O.P. |  |
| 3 | 7° 11' | 4.16 | 409 | 51.6 | | 0446 | 3031.8 | L READ @ 6.0 | |
| 4 | 7° 12' | 3.60 | 354 | 44.7 | | 1401 | 3018.9 | L READ @ 12.0 | |
| 5 | 7° 12' | 3.33 | 328 | 41.4 | | 1427 | 3014.1 | L READ @ 13.5 | (target @ 5.0') |
| 6 | 7° 02' | 2.97 | 293 | 36.1 | | 1462 | 3016.3 | L READ @ 6.0 | unless noted |
| 7 | 6° 55' | 2.80 | 276 | 33.4 | | 1479 | 3014.6 | | 7.6 3.0 4.6 |
| 8 | 5° 43' | 2.37 | 235 | 23.5 | | 2420 | 3004.7 | | 7.50 2 0.0 |
| 9 | 5° 23' | 2.34 | 232 | 21.9 | | 2423 | 3003.1 | | 6.52 2 |
| 10 | 5° 14' | 2.13 | 211 | 19.3 | | 2444 | 2998.5 | L READ @ 7.0 | 13.25 5 13.04 |
| 11 | 5° 00' | 1.70 | 169 | 14.8 | | 2486 | 2996.0 | | 2.18 GUN ELEV. = 2981.18 |
| 12 | 5° 45' | 1.29 | 127 | 15.1 | | 3428 | 2996.3 | | 7.65 2.6 |
| 13 | 6° 06' | 0.71 | 70 | 7.5 | | 3485 | 2988.7 | | |
| 14 | READ 8.16 BY (F.S.) D.L. | | | | 0 | 4476 | 2977.7 | PLUNGED GUN 6.5 STA. + 21 = | SHORE LINE |
| 15 | -6° 18' | .12 | 12 | -1.31 | | 4467 | 2979.87 | TP. | |
| 16 | -0° 06' | 15.35 | 1535 | 2.61 | | 20402 | 2982.48 | B.S. on TP | CHECK - GUN ELEV., E. SHORE |
| 17 | READ 2.87 (B.S.) BY D.L. | | | | | | | | |
| 18 | | 15.00 | 1500 | | 4.5 | 5402 | 2973.2 | 19:20 | |
| 19 | | 13.04 | 1304 | | 0.8 | 6498 | 2976.9 | 22:25 | |

4

| STAY | VERT. \angle | INT. | H. DIST. | V. DIST. | DEPTH | STA | ELEV |
|------|------------------|-------|----------|----------|-------|-------|--------------|
| 20 | | 10.66 | 1066 | | 1.5 | 9+36 | 2976.2 27:00 |
| 21 | | 8.66 | 866 | | 10.4 | 11+36 | 2967.3 30:30 |
| 22 | | 9.28 | 928 | | 10.0 | 10+74 | 2967.7 35:15 |
| 23 | | 9.80 | 980 | | 2.0 | 10+22 | 2975.7 37:00 |
| 24 | | 9.10 | 910 | | 10.3 | 10+92 | 2967.4 38:40 |
| 25 | | 8.00 | 800 | | 10.2 | 12+02 | 2967.5 40:05 |
| 26 | | 6.75 | 675 | | 10.1 | 13+27 | 2967.6 41:35 |
| 27 | | 5.94 | 594 | | 10.2 | 14+08 | 2967.5 42:30 |
| 28 | | 4.61 | 461 | | 7.1 | 15+41 | 2970.6 44:50 |
| 29 | | 3.81 | 381 | | 6.4 | 16+21 | 2971.3 45:00 |
| 30 | | 3.05 | 305 | | 9.1 | 16+97 | 2968.6 |
| 31 | | 2.57 | 257 | | 5.4 | 17+45 | 2972.3 |
| 32 | | 2.06 | 206 | | 6.8 | 17+96 | 2970.9 |
| 33 | | 1.83 | 183 | | 3.2 | 18+19 | 2974.5 |
| 34 | | 1.62 | 162 | | 2.4 | 18+40 | 2975.3 |
| 35 | $-1^{\circ} 52'$ | 1.45 | 145 | 4.7 | 0 | 18+57 | 2977.74 |
| 36 | $1^{\circ} 56'$ | 2.00 | 2.00 | 6.7 | | 22+02 | 2989.1 |
| 37 | $1^{\circ} 35'$ | 4.04 | 404 | 11.2 | | 24+06 | 2993.6 |
| 38 | $1^{\circ} 54'$ | 6.21 | 620 | 20.6 | | 26+22 | 3003.0 |

5.33

10.66
4.33

6.6

4.64

9.28

4.90

8.0

4.55

1.0

SHORE LINE
PLUNGED SW

x

| SHOT | VERT \angle | INT | H DIST | V DIST | Depth | STA | ELEV |
|------|---------------|------|-----------|--------------------------|-------|-------|---------|
| 39 | 2°05' | 6.76 | 675 | 24.5 | | 26+77 | 3006.9 |
| 40 | 2°30' | 7.28 | 727 | 31.7 | | 27+29 | 3014.1 |
| 41 | 2°47' | 7.54 | 752 | 36.6 | | 27+54 | 3019.0 |
| 42 | 2°53' | 7.98 | 796 | 40.1 | | 27+98 | 3022.5 |
| 43 | 3°20' | 8.42 | 839 | 48.8 | | 28+41 | 3031.2 |
| 44 | 3°24' | 8.48 | 845 | 50.2 | | 28+47 | 3032.6 |
| 45 | 3°27' | 8.61 | 858 | 51.7 | | 28+60 | 3034.1 |
| 46 | 3°36' | 8.74 | 871 | 54.8 | | 28+73 | 3037.2 |
| 47 | 3°45' | 8.85 | 881 | 57.8 | | 28+83 | 3040.2 |
| 48 | 4°12' | 9.20 | 915 | ^{67.16} 67.2 | | R027 | 3049.64 |
| 49 | | | | | | 29+17 | 3048.4 |

918
1535
13
464
2927

TAP

R027

B.O.P.

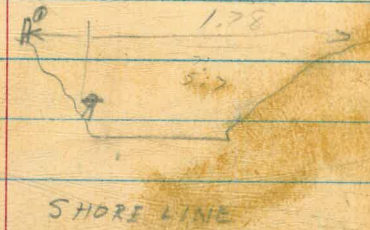
-1.2

4

RANGE 01-02

8-4-48

| SHOT | VERT \angle | INT. | H DIST | V DIST | DEPTH | STA | ELEV | |
|------|---------------|----------------------------|-----------|-----------|-------|--------------|---------|---------------------|
| 1 | 23°09' | 1.78 | 150.55 | 64.35 | | 0+00 R-01 | 3054.04 | T.O.P. R-01 |
| 2 | | | | | | 0+00 | 3053.1 | TOP -1.9-BOP |
| 3 | 23°13' | 1.60 | 135.14 | 57.97 | | 0+15 | 3047.7 | TARGET @ 5.00' |
| 4 | 23°10' | 1.33 | 112.41 | 48.11 | | 0+38 | 3037.8 | GUN @ 2989.69 |
| 5 | 21°49' | 0.80 | 68.95 | 27.60 | | 0+81 | 3017.3 | 2.48 5.0 1.78 |
| 6 | 9°30' | 0.16 | 15.56 | 2.60 | | 1+35 | 2992.3 | |
| 7 | | READ 3.50 (FS.) BY D.L. | 6.0 | | | 1+45 | 2991.2 | |
| 8 | | READ 11.55 (FS) BY D.L. | 12.0 | | 0 | 1+63 | 2983.1 | PLUNGED GUN |
| 9 | -10°37' | 0.35 | 33.81 | | 14.1 | 1+84 | 2969.0 | |
| 10 | -5°05' | 0.70 | 69.45 | | 21.9 | 2+20 | 2961.2 | |
| 11 | -4°35' | 0.90 | 89.42 | | 29.2 | 2+40 | 2953.9 | |
| 12 | -4°32' | 0.95 | 94.41 | | 30.3 | 2+45 | 2952.8 | |
| 13 | -3°12' | 1.14 | 113.65 | | 34.4 | 2+64 | 2948.7 | |
| 14 | -3°10' | 1.30 | 129.60 | | 33.0 | 2+80 | 2950.1 | |
| 15 | -2°48' | 1.50 | 149.64 | | 43.4 | 3+00 | 2939.7 | |
| 16 | -2°20' | 1.75 | 174.70 | | 45.4 | 3+25 | 2937.7 | |
| 17 | -1°53' | 2.10 | 209.77 | | 45.7 | 3+60 | 2937.4 | |
| 18 | -1°35' | 2.40 | 239.81 | | 52.8 | 3+90 | 2936.5 | |
| 19 | -1°25' | 2.95 | 294.82 | | 52.8 | 4+45 | 2936.5 | SHORE LINE |



USING NEW WGT
-6.2 (CHAIN BROKE)

4

| SHOT | VERT ^K | INT | H DIST | U DIST | DEPTH | STA | ELEV. | |
|------|-------------------|------|-----------|-----------|-------|------|---------|-------------------------|
| 20 | -1°13' | 3.40 | 339.83 | | 52.5 | 4+90 | 2936.8 | |
| 21 | -1°08' | 3.75 | 374.85 | | 52.1 | 5+25 | 2937.2 | |
| 22 | -1°03' | 4.20 | 419.87 | | 50.6 | 5+70 | 2938.7 | |
| 23 | 0°46' | 4.30 | 429.91 | | 50.8 | 5+80 | 2938.5 | |
| 24 | 0°40' | 4.50 | 449.96 | | 48.7 | 6+00 | 2940.6 | |
| 25 | 0 | 4.75 | 475 | | 41.5 | 6+25 | 2947.8 | |
| 26 | 0 | 4.90 | 490 | | 30.0 | 6+40 | 2959.3 | |
| 27 | 0 | 5.00 | 500 | | 23.0 | 6+50 | 2966.3 | |
| 28 | 0 | 5.05 | 505 | | 18.9 | 6+55 | 2970.4 | |
| 29 | 0 | 5.15 | 515 | | 17.6 | 6+65 | 2971.7 | |
| 30 | -0°42' | 5.32 | 531.95 | -6.49 | 0 | 6+82 | 2983.2 | shore |
| 31 | +4°12' | 6.65 | 661.41 | 48.55 | | 8+12 | 3038.3 | |
| 32 | +4°39' | 7.05 | 700.35 | 56.96 | | 8+51 | 3046.7 | |
| | +5°38' | 7.36 | 728.9 | 71.91 | | R.02 | 3061.60 | BOP. 0.6 TOP of PIPE |
| | | | | | | 8+79 | 3061.0 | |

4

R04-03

8-4-48

| SHOT | VERT. SIGHT 20 | INT. | H. DIST. | V. DIST. | DEPTH | STA | ELEV. | |
|------|----------------|------|----------|----------|-------|--------------|---------|---------------------------|
| 1 | +7°39' | 4.60 | 451.86 | 60.70 | | R-04 0+00 | 3046.99 | TOP OF PIPE R-04 |
| 2 | | | | -1.70 | | 0+00 | 3045.3 | GROUND AT PIPE |
| 3 | +7°48' | 3.97 | 389.7 | 53.4 | | 0+62 | 3039.7 | |
| 4 | +6°42' | 3.55 | 350.2 | 41.1 | | 1+02 | 3027.4 | (GOMIS@ |
| 5 | +6°54' | 2.85 | 280.9 | 34.0 | | 1+71 | 3020.3 | 2986.29 + 4452) |
| 6 | +2°51' | 2.05 | 204.5 | 10.2 | | 2+48 | 2996.5 | |
| 7 | +3°05' | 1.49 | 148.6 | 7.8 | | 3+03 | 2999.1 | |
| 8 | +2°12' | 1.12 | 111.8 | 4.3 | | 3+40 | 2990.6 | |
| 9 | +9°46' | 0.25 | 24.3 | 4.2 | | 4+28 | 2990.5 | |
| 10 | -6°06' | 0.41 | 40.5 | -4.3 | 0 | 4+93 | 2982.0 | PLUNGED SUN SHORE LINE |
| 11 | -3°06' | 1.00 | 99.7 | | 16.1 | 5+52 | 2972.1 | |
| 12 | -1°46' | 1.80 | 179.8 | | 36.4 | 6+32 | 2951.8 | uncalibrated |
| 13 | -2°48' | 1.10 | 110 | | 19.4 | 5+62 | 2968.8 | chain K=-6.2 |
| 14 | -1°46' | 1.81 | 181 | | 37.2 | 6+33 | 2951.0 | |
| 15 | -1°00' | 2.80 | 280 | | 48.1 | 7+32 | 2940.1 | |
| 16 | -50' | 3.72 | 372 | | 50.4 | 8+24 | 2937.8 | 8.25 |
| 17 | -46' | 4.12 | 412 | | 51.1 | 8+64 | 2937.1 | 10.25 |
| 18 | -38' | 5.10 | 510 | | 51.2 | 9+62 | 2937.0 | 12.10 |
| 19 | -32' | 6.10 | 610 | | 51.5 | 10+62 | 2936.7 | 14.05 |

LX

X

| | VERT \angle | INT | H DIST. | V DIST | DEPTH | STA | ELEV. | |
|----|-----------------|-------|------------|-----------|-------|-------|---------|---------------|
| 20 | -28' | 7.12 | 712 | | 48.0 | 11+64 | 2940.2 | 15:25 |
| 21 | -24' | 8.50 | 850 | | | | | 18:30 No Good |
| 22 | -26' | 7.68 | 768 | | 49.4 | 12+20 | 2938.8 | 23:25 |
| 23 | -24' | 8.10 | 810 | | 45.0 | 12+62 | 2943.2 | 26:40 |
| 24 | -22' | 8.72 | 872 | | 32.9 | 13+24 | 2955.9 | 29:00 |
| 25 | -20' | 9.22 | 922 | | 26.2 | 13+74 | 2962.0 | 31:00 |
| 26 | -19' | 9.52 | 952 | | 13.1 | 14+04 | 2975.1 | 32:30 |
| 27 | -18' | 9.66 | 966 | -5.0 | 0 | 14+18 | 2982.0 | SHORE LINE |
| 28 | +1°14' | 10.38 | 1037.5 | 22.3 | | 14+90 | 3008.6 | |
| 29 | +3°06' | 11.55 | 1151.7 | 62.37 | | R04 | 3048.66 | TOP OF PIPE |
| | | | | | | 16+04 | 3047.8 | -1.8 B.O.P. |

X

RANGE 011-012

8-5-48

| SHOT | VERT \angle | INT | H DIST | V DIST | DEPTH | STA | ELEV. | T.O.P. |
|------|---------------|-------|-----------|-----------|-------|-------|---------|----------------------|
| 1 | 2°35' | 14.90 | 1486.9 | 67.12 | | R-011 | 3050.27 | |
| 2 | | | | | | | 3049.4 | B.O.P. -.90 |
| 3 | 2°06' | 14.50 | 1448.1 | 53.1 | | 0+39 | 3036.3 | target @ 5.0' |
| 4 | 1°17' | 13.80 | 1379.3 | 30.9 | | 1+08 | 3014.1 | |
| 5 | +0°20' | 13.45 | 1345.0 | 7.8 | | 1+42 | 2991.0 | |
| 6 | -0°08' | 13.15 | 1315.0 | -3.0 | 0 | 1+72 | 2980.2 | shore |
| 7 | 0 | 12.70 | 1270 | | 18.3 | 2+17 | 2968.5 | uncalibrated chain |
| 8 | 0 | 12.45 | 1245 | | 30.1 | 2+42 | 2956.7 | (K = -6.2) |
| 9 | 0 | 11.90 | 1190 | | 46.7 | 2+97 | 2940.0 | |
| 10 | 0 | 11.05 | 1105 | | 48.9 | 3+82 | 2937.9 | 1485 3.98 1883 |
| 11 | 0 | 10.55 | 1055 | | 49.0 | 4+32 | 2937.8 | |
| 12 | 0 | 10.00 | 1000 | | 48.7 | 4+87 | 2938.1 | GUN IS @ 2983.15 |
| 13 | 0 | 9.14 | 914 | | 48.2 | 5+73 | 2938.6 | + 19+86 ² |
| 14 | 0 | 8.14 | 814 | | 25.6 | 6+73 | 2961.2 | |
| 15 | 0 | 7.55 | 755 | | 17.2 | 7+32 | 2969.6 | |
| 16 | 0 | 5.95 | 595 | | 44.2 | 8+92 | 2992.6 | |
| 17 | 0 | 6.90 | 690 | | 25.3 | 7+97 | 2961.5 | |
| 18 | 0 | 5.56 | 556 | | 45.2 | 9+31 | 2941.6 | |
| 19 | 0 | 4.45 | 445 | | 35.2 | 10+42 | 2951.6 | |

X

| SHOT | VERT S | INT | H DIST. | V DIST. | DEPTH | STA | ELEV. | |
|------|--------|------|------------|------------|-------|-------|---------|---------------------------|
| 20 | -0°34' | 3.64 | 364 | | 28.0 | 11+23 | 2958.8 | |
| 21 | -0°41' | 3.00 | 300 | | 22.0 | 11+87 | 2964.8 | |
| 22 | -1°02' | 2.30 | 230 | | 17.2 | 12+57 | 2969.6 | |
| 23 | -1°35' | 1.34 | 134 | | 14.1 | 13+53 | 2972.7 | |
| 24 | -3°41' | .40 | 40 | -2.6 | 0 | 14+97 | 2980.6 | SHORE LINE PLUNGED GUN |
| 25 | 4°06' | .98 | 97.5 | 7.0 | | 15+85 | 2990.2 | |
| 26 | 5°35' | 2.18 | 215.9 | 21.1 | | 17+03 | 3002.3 | read target @ 7.00' |
| 27 | 6°20' | 3.06 | 302.3 | 33.5 | | 17+89 | 3016.7 | |
| 28 | 7°40' | 3.66 | 359.5 | 48.4 | | 18+47 | 3031.6 | |
| 29 | 9°45' | 4.05 | 393.4 | 67.60 | | R-012 | 3050.74 | T.O.P |
| 30 | | | | | | 18+80 | 3050.0 | -17' B.O.P |

RANGE 013-014

| SHOT | VERT. \angle | INT. | H. DIST. | V. DIST. | DEPTH | STA. | ELEV. | |
|------|----------------|------|----------|----------|-------|------|---------|------------------------|
| | | | | | | R013 | 3060.37 | T.O.P. |
| 1 | 15°35' | 2.93 | 271.9 | 75.81 | | 0+00 | 3059.6 | B.O.P. |
| | | | | | | 0+36 | 3041.8 | -1.8 |
| 2 | 13°37' | 2.50 | 236.1 | 57.2 | | 0+58 | 3036.5 | target @ 5.0' |
| 3 | 13°37' | 2.27 | 214.4 | 51.9 | | 0+95 | 3022.1 | read @ 7.00' |
| 4 | 12°33' | 1.86 | 177.2 | 39.5 | | 1+67 | 2997.7 | read @ 6.00' |
| 5 | 7°37' | 1.07 | 105.1 | 14.1 | | 2+22 | 2998.2 | |
| 6 | 15°11' | 0.54 | 50.3 | 13.6 | | 2+72 | 2985.1 | -4.5-H.T. PLUNGED GUN |
| 7 | 0 | 00 | 0 | +0.50 | | 2+90 | 2981.3 | SHORE LINE |
| 8 | -10°14' | 0.19 | 18.4 | -3.3 | 0 | 3+57 | 2970.1 | |
| 9 | -4°00' | 0.85 | 84.6 | | 17.4 | 3+97 | 2969.4 | 09:20 GUN @ 2984.56 |
| 10 | -2°20' | 1.25 | 125 | | 18.1 | 4+77 | 2964.9 | 10:50 & 2+72 |
| | -1°19' | 2.05 | 205 | | 22.6 | 4+05 | 2951.1 | 12:30 |
| | 0°43' | 3.32 | 332 | | 36.4 | 5+92 | 2952.6 | 14:15 (CHAIN K = -6.2) |
| | -0°50' | 3.20 | 320 | | 34.9 | 5+92 | 2952.5 | 16:30 |
| | -0°48' | 3.20 | 320 | | 35.0 | 5+57 | 2955.3 | 18:00 |
| | -0°51' | 2.85 | 285 | | 32.2 | 5+06 | 2961.3 | 19:50 |
| | -1°07' | 2.34 | 234 | | 26.2 | 6+77 | 2952.1 | 21:55 |
| | -0°30' | 4.05 | 405 | | 35.4 | 7+63 | 2949.6 | 23:05 |
| | -0°30' | 4.91 | 491 | | 37.9 | 8+66 | 2943.2 | 24:50 |
| | -0°22' | 5.94 | 594 | | 44.3 | | | |

X #36 0.50 - 26°49' ^{tan@} 0.75

| SHOT | VERT. L | INT. | H. DIST. | V. DIST. | DEPTH | STA. | ELEV |
|------|---------|-------|----------|----------|-------|--------------------------------|--------------|
| 20 | 0 | 6.76 | 676 | | 45.9 | 9+48 | 2941.6 26:10 |
| 21 | 0 | 7.56 | 756 | | 41.4 | 10+28 | 2946.1 27:30 |
| 22 | 0 | 8.44 | 844 | | 40.6 | 11+16 | 2946.9 28:55 |
| 23 | 0 | 9.36 | 936 | | 40.7 | 12+08 | 2946.8 30:45 |
| 24 | 0 | 9.87 | 987 | | 41.1 | 12+59 | 2946.4 32:35 |
| 25 | 0 | 11.05 | 1105 | | 43.0 | 13+77 | 2944.5 35:50 |
| 26 | 0 | 12.10 | 1210 | | 46.1 | 14+82 | 2941.4 37:25 |
| 27 | 0 | 12.57 | 1257 | | 45.8 | 15+29 | 2941.7 39:00 |
| 28 | 0 | 13.13 | 1313 | | 45.0 | 15+85 | 2942.5 41:10 |
| 29 | 0 | 13.85 | 1385 | | 42.9 | 16+57 | 2944.6 42:40 |
| 30 | 0 | 14.60 | 1460 | | 33.2 | 17+32 | 2954.3 44:35 |
| 31 | 0 | 15.10 | 1510 | | 20.2 | 17+82 | 2967.3 46:00 |
| 32 | 0°0' | 15.30 | 1530 | | 16.1 | 18+02 | 2971.4 49:30 |
| 33 | 0°41' | 17.10 | 1710 | 20.35 | | ¹⁹⁺⁸² TP, (F.S.) | 3004.91 |
| 34 | -21°55' | 0.48 | 41.3 | -16.62 | | TP, (B.S.) | 3021.53 |
| 35 | -15°04' | 1.57 | 146.4 | -32.4 | 0 | 18+77 | 3081.5 |
| 36 | -20°39' | 0.75 | 65.7 | -24.8 | | 19+57 | 2996.7 |
| 37 | -18°12' | 0.21 | 19.0 | -6.2 | | 20+42 | 3015.3 |
| 38 | -6°07' | 0.42 | 41.5 | -4.5 | | 20+65 | 3017.0 |



8:55

17 ²/₁₀

8:60

17:20

SHORE LINE

← PLUNGED GUN

GUN @ 3021.53

+ 20+23

| SHOT | VERT. \angle | INT. | H. DIST. | V. DIST. | DEPTH | STA. | ELEV. | |
|------|-----------------|------|----------|----------|-------|-------|---------|--------------------------------|
| 39 | $-5^{\circ}38'$ | 0.61 | 60.4 | -6.0 | | 20+83 | 3015.5 | 280 |
| 40 | $3^{\circ}15'$ | 1.76 | 175.4 | 10.0 | | 21+98 | 3031.5 | 1710 43 |
| 41 | $2^{\circ}30'$ | 2.31 | 230.6 | 10.1 | | 22+54 | 3028.6 | lead @ 8.00' 340 2373 |
| 42 | $2^{\circ}35'$ | 2.95 | 294.4 | 13.3 | | 23+17 | 3034.8 | |
| 43 | $1^{\circ}08'$ | 3.26 | 325.8 | 6.5 | | 23+99 | 3028.0 | |
| 44 | $4^{\circ}31'$ | 3.44 | 341.9 | 27.00 | | R-014 | 3048.53 | T.O.P. |
| | | | | | | 23+65 | 3047.8 | B.O.P. 0.7 |

RANGE 01-02 (REPEAT)

| SHOT | VERT. L | INT. |
|------|-----------------|------|
| 1 | 24° 56' | 1.80 |
| 3 | 23° 18' | 1.54 |
| 4 | 23° 13' | 1.34 |
| 5 | 23° 51' | 1.17 |
| 6 | 22° 10' | 1.00 |
| 7 | 21° 54' | .60 |
| 8 | 10° 02' | .12 |
| | read by (D.) | 1.50 |

Target @ 9.00
@ 5.00

RANGE 017-018

| SHOT | TARGET @ S.O. VERT. L. | INT. | H. DIST. | V. DIST. | DEPTH | STA | ELEV. | |
|------|---------------------------|------|----------|----------|-------|---------------|-------|---|
| 1. | +0°18' | 4.73 | | | | 0+00 R 017 | | TOP OF PIPE |
| | | < | | -1.7 | | | | B.O.P., -1.7 |
| 2 | 0°04' | 4.55 | | | | | | EDGE OF ROAD |
| 3 | -3°00' | 4.05 | | | | | | |
| 4 | -8°10' | 2.48 | | | | | | |
| 5 | -9°45' | 2.30 | | | | | | |
| 6 | -10°45' | 2.00 | | | | | | |
| 7 | -14°11' | 1.74 | | | | | | |
| 8 | -15°17' | 1.53 | | | | | | |
| 9 | -17°22' | 1.24 | | | | | | |
| 10 | -19°27' | 0.72 | | | | | | |
| 11 | -26°15' | 0.14 | | | | | | |
| 12 | | | | | | R 018 | | 3.52 BELOW Gun TOP OF PIPE R 018 |
| | | | | +0.05 | | | | H1 4.95 BOP TOP OF PIPE 1.43 above GROUND |

RANGE 017-018

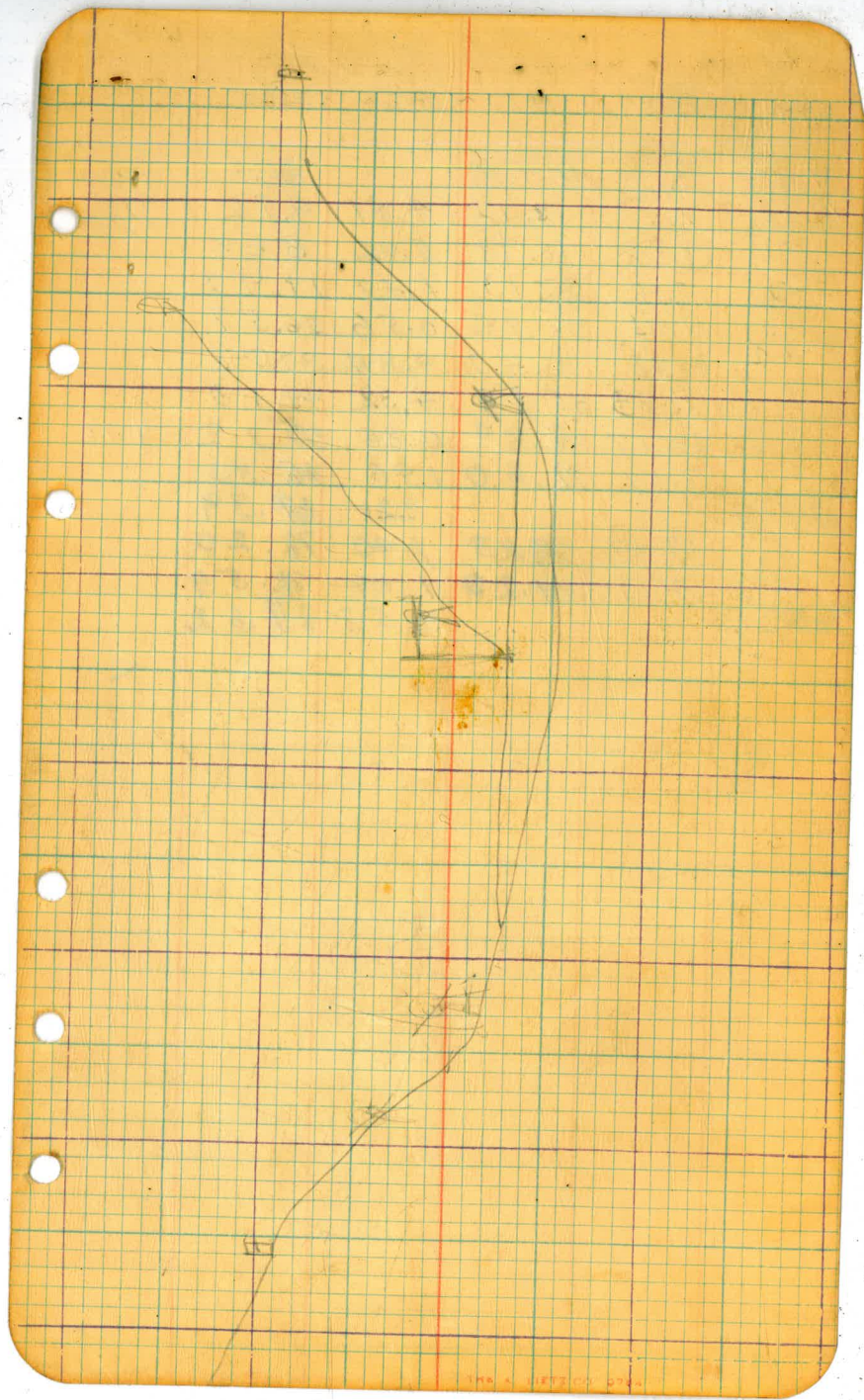
| SHOT | TARGET @ 5' | INT. | H. DIST. | V. DIST | DEPTH | sta | Elev | | |
|------|----------------|------|-------------|------------|-------|-------|---------|------|--|
| | VERT \angle | | | | | | | | |
| 1 | | | | +2.75 | 30 | R017 | 3055.49 | R017 | 2.25 Below ^{scope} TOP OF PIPE |
| | | | | | | 0+00 | 3054.0 | | BOP. - 1.5 to ground |
| 2 | -22°32' | 0.14 | 11.9 | -5.06 | | 0+12 | 3047.7 | | |
| 3 | -9°29' | 0.47 | 45.7 | -7.7 | | 0+46 | 3045.0 | | |
| 4 | -13°15' | 0.83 | 78.6 | -18.5 | | 0+79 | 3032.2 | | SHOT AT 7:00 |
| 5 | -13°09' | 1.21 | 114.7' | -26.8 | | 1+15 | 3022.9 | | SHOT AT 8:00 |
| 6 | -12°11' | 1.75 | 167.2 | -36.1 | | 1+67 | 3016.6 | | |
| 7 | -11°10' | 2.00 | 192.5 | -38.0 | | 1+93 | 3014.7 | | |
| 8 | -11°16' | 2.10 | 202.0 | -40.2 | | 2+02 | 3012.5 | | GUN @ 3052.74 |
| 9 | -10°15' | 2.20 | 213.0 | -38.5 | | 2+13 | 3014.2 | | |
| 10 | -9°43' | 2.38 | 231.2 | -39.6 | | 2+31 | 3013.1 | | |
| 11 | -8°05' | 3.16 | 309.7 | -44.0 | | 3+10 | 3008.7 | | |
| 12 | -7°10' | 3.36 | 330.8 | -41.6 | | 3+31 | 3011.1 | | |
| 13 | -7°53' | 3.49 | 342.4 | -47.4 | | 3+42 | 3005.3 | | |
| 14 | -6°39' | 3.75 | 370.0 | -43.1 | | 3+70 | 3009.6 | | |
| 15 | -3°28' | 4.35 | 433.4 | -26.3 | | 4+33 | 3026.4 | | |
| 16 | -1°52' | 4.71 | 470.5 | -15.4 | | 4+71 | 3037.3 | | |
| 17 | -0°22' | 4.90 | 490 | -3.14 | | R-018 | 3049.60 | R018 | Top Of Pipe Pipe 1.8 ABOVE GROUND |
| | | | | | | 4+90 | 3047.8 | | |

| Sta | BS | HI | FS | Flt |
|-----------------|-------|---------------|------------------|-------|
| BM #2 | 6.85 | 71.24 | 12.09 | 64.39 |
| TP | 3.97 | 63.12 | 4.10 | 59.15 |
| TP | 7.80 | 66.82 | 7.10 | 59.02 |
| BM ₃ | | | 12.33 | 54.49 |
| TP | 10.76 | 77.14 | 0.74 | 68.38 |
| R-040 | | | 2.96 | 74.18 |
| BM ₃ | 2.21 | 56.70 | | 54.49 |
| TP | 11.73 | 60.62 | 7.81 | 48.89 |
| BM ₄ | | | 5.22 | 56.40 |
| TP | 8.40 | 68.42 | 0.60 | 60.02 |
| R043 | | | 1.11 | 68.31 |
| BM ₄ | 6.96 | 62.36 | | 56.40 |
| TP | 4.10 | 60.11 | 6.35 | 56.01 |
| BM ₅ | | | 3.23 | 56.88 |
| TP | 11.91 | 72.91 | 0.61 | 59.50 |
| R049 | | | 1.86 | 69.55 |
| BM ₅ | 6.00 | 62.88 | | 56.88 |
| TP | 5.37 | 67.42 | 0.83 | 62.05 |
| TP | 5.74 | 60.25 | 6.91 | 60.51 |
| R051 | | ⁶⁶ | 0.74 | 65.51 |
| TP | 5.76 | 68.55 | 3.46 | 62.19 |
| TP | 4.77 | 70.14 | 3.18 | 65.37 |
| R053 | | | 4.11 | 60.03 |
| R052 | | | 3.39 | 66.75 |
| TP | 3.46 | 68.18 | 5.42 | 65.72 |
| TP | 4.74 | 65.04 | 7.88 | 60.30 |
| R-050 | | | 0.88 | 64.16 |
| TP | 5.90 | 61.72 | 9.22 | 55.82 |
| TP | 9.48 | 64.95 | 6.25 | 55.47 |
| TP | 10.17 | 71.92 | 3.20 | 61.75 |
| R-048 | | | 2.28 | 69.64 |
| TP | 7.24 | 73.68 | 5.48 | 66.44 |

| ST | B.S | HI | FS | EL |
|------|-----------------|-------|-------|-------|
| | | 73.68 | | |
| TP | 13.04 | 76.59 | 10.13 | 63.55 |
| ROAD | | | 1.05 | 75.54 |
| TP | 3.59 | 67.85 | 12.33 | 64.26 |
| TP | 5.35 | 61.64 | 11.56 | 56.29 |
| TP | 10.59 | 67.59 | 4.64 | 57.00 |
| ROAD | | | 2.45 | 65.14 |
| TP | 1.99 | | 12.52 | |
| TP | 3.93 | | 12.63 | |

| STA | BS | HI | FS | ELEV |
|-------|-------|--------|------|-------|
| Water | 9.06 | 009.06 | | 000 |
| BM | 7.57 | 12.12 | 4.51 | 4.55 |
| #1 | 9.78 | 16.44 | 5.46 | 6.66 |
| #2 | 12.16 | 27.13 | 1.47 | 14.97 |
| #3 | 11.33 | 37.90 | 0.56 | 26.57 |
| #4 | 11.41 | 48.47 | 0.84 | 37.06 |
| #5 | 11.49 | 55.58 | 4.32 | 44.13 |
| #6 | 12.17 | 66.89 | 0.86 | 55.72 |
| #7 | 7.17 | 72.60 | 1.46 | 66.43 |
| BM#2 | | | 8.21 | 67.39 |
| #8 | 12.03 | 83.23 | 1.40 | 71.20 |
| #9 | 5.61 | 87.20 | 1.69 | 81.59 |
| TOP#5 | | | 2.58 | 84.62 |

84.62
73.67
10.95



DATA TO WATER

| Sta | BS | HI | FS | Ele | |
|------------|------|--------|-------|-----------------------------------|-----------|
| BM 6575 | 4.07 | 104.07 | | 100.00 | V.S. CGS. |
| TPI | | | 3.74 | | |
| TP #1 | 1.46 | 80.74 | 24.79 | 79.28 | 9.28 |
| TP #2 | 0.77 | 68.81 | 12.70 | 68.04 | |
| #3 | 3.00 | 59.53 | 12.27 | 56.53 | |
| #4 | 2.91 | 50.03 | 12.41 | 47.12 | |
| #5 | 0.44 | 38.62 | 11.85 | 38.18 | |
| B.M. #1 | | | 9.32 | 30.30 ^{29.30} | |
| B.M. #2 | | | 10.20 | 28.42 | |
| Water lev | | | 10.87 | 27.75 | |
| Step (TP) | | | 7.52 | 31.10 | |
| " | 7.58 | 38.68 | | | |
| WATER LEV. | | | 12.35 | 26.33 | |

24.79 79.28 100.00
 38.68
 61.32
 2970.5
 7.58 66.40 100.00
 2978.08 26

100.00
 26.33
 73.67

3048.40
 73.67
 3049.9 2974.73
 3048.4
 67.9
 2976.5

3053.4
 73.7
 2949.7
 84.6
 2934.3

3057.77

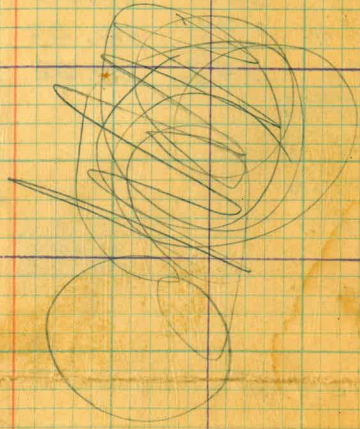
101.66

62.85

1.66

~~64.17~~

61.32



2974.73

87.62

3059.35



3.0 51.72
1.02
12.12-
.39
7.79-
9.13
.81-
9.65
1.89-

3.0 49.30 *

| | VERT L | INT. | |
|------------------|-------------------|-----------------|------------------|
| R-017 | +7°05' | 3.94 | 48.21 |
| R-015 | +6°04' | 5.26 | 55.28 |

1.298
 $16 \overline{) 20.780}$
 16
 47
 32
 158
 144
 140

129.8
 $130.$

Sta

BM #

TP

R053

TP

TP

R053

R052

TP

TP

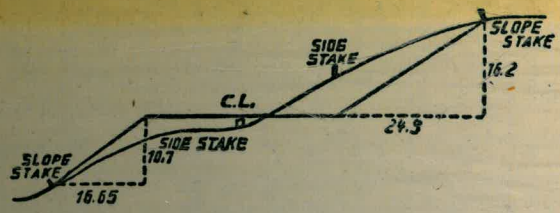
R-050

TP

TP

R-048

TP



DISTANCES FROM SIDE STAKES FOR CROSS-SECTIONING.
 SLOPE 1 1/2 TO 1. ROADWAY OF ANY WIDTH.

| | 0 | .1 | .2 | .3 | .4 | .5 | .6 | .7 | .8 | .9 | |
|----|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|----|
| 0 | 0.00 | 0.15 | 0.30 | 0.45 | 0.60 | 0.75 | 0.90 | 1.05 | 1.20 | 1.35 | 0 |
| 1 | 1.50 | 1.65 | 1.80 | 1.95 | 2.10 | 2.25 | 2.40 | 2.55 | 2.70 | 2.85 | 1 |
| 2 | 3.00 | 3.15 | 3.30 | 3.45 | 3.60 | 3.75 | 3.90 | 4.05 | 4.20 | 4.35 | 2 |
| 3 | 4.50 | 4.65 | 4.80 | 4.95 | 5.10 | 5.25 | 5.40 | 5.55 | 5.70 | 5.85 | 3 |
| 4 | 6.00 | 6.15 | 6.30 | 6.45 | 6.60 | 6.75 | 6.90 | 7.05 | 7.20 | 7.35 | 4 |
| 5 | 7.50 | 7.65 | 7.80 | 7.95 | 8.10 | 8.25 | 8.40 | 8.55 | 8.70 | 8.85 | 5 |
| 6 | 9.00 | 9.15 | 9.30 | 9.45 | 9.60 | 9.75 | 9.90 | 10.05 | 10.20 | 10.35 | 6 |
| 7 | 10.50 | 10.65 | 10.80 | 10.95 | 11.10 | 11.25 | 11.40 | 11.55 | 11.70 | 11.85 | 7 |
| 8 | 12.00 | 12.15 | 12.30 | 12.45 | 12.60 | 12.75 | 12.90 | 13.05 | 13.20 | 13.35 | 8 |
| 9 | 13.50 | 13.65 | 13.80 | 13.95 | 14.10 | 14.25 | 14.40 | 14.55 | 14.70 | 14.85 | 9 |
| 10 | 15.00 | 15.15 | 15.30 | 15.45 | 15.60 | 15.75 | 15.90 | 16.05 | 16.20 | 16.35 | 10 |
| 11 | 16.50 | 16.65 | 16.80 | 16.95 | 17.10 | 17.25 | 17.40 | 17.55 | 17.70 | 17.85 | 11 |
| 12 | 18.00 | 18.15 | 18.30 | 18.45 | 18.60 | 18.75 | 18.90 | 19.05 | 19.20 | 19.35 | 12 |
| 13 | 19.50 | 19.65 | 19.80 | 19.95 | 20.10 | 20.25 | 20.40 | 20.55 | 20.70 | 20.85 | 13 |
| 14 | 21.00 | 21.15 | 21.30 | 21.45 | 21.60 | 21.75 | 21.90 | 22.05 | 22.20 | 22.35 | 14 |
| 15 | 22.50 | 22.65 | 22.80 | 22.95 | 23.10 | 23.25 | 23.40 | 23.55 | 23.70 | 23.85 | 15 |
| 16 | 24.00 | 24.15 | 24.30 | 24.45 | 24.60 | 24.75 | 24.90 | 25.05 | 25.20 | 25.35 | 16 |
| 17 | 25.50 | 25.65 | 25.80 | 25.95 | 26.10 | 26.25 | 26.40 | 26.55 | 26.70 | 26.85 | 17 |
| 18 | 27.00 | 27.15 | 27.30 | 27.45 | 27.60 | 27.75 | 27.90 | 28.05 | 28.20 | 28.35 | 18 |
| 19 | 28.50 | 28.65 | 28.80 | 28.95 | 29.10 | 29.25 | 29.40 | 29.55 | 29.70 | 29.85 | 19 |
| 20 | 30.00 | 30.15 | 30.30 | 30.45 | 30.60 | 30.75 | 30.90 | 31.05 | 31.20 | 31.35 | 20 |
| 21 | 31.50 | 31.65 | 31.80 | 31.95 | 32.10 | 32.25 | 32.40 | 32.55 | 32.70 | 32.85 | 21 |
| 22 | 33.00 | 33.15 | 33.30 | 33.45 | 33.60 | 33.75 | 33.90 | 34.05 | 34.20 | 34.35 | 22 |
| 23 | 34.50 | 34.65 | 34.80 | 34.95 | 35.10 | 35.25 | 35.40 | 35.55 | 35.70 | 35.85 | 23 |
| 24 | 36.00 | 36.15 | 36.30 | 36.45 | 36.60 | 36.75 | 36.90 | 37.05 | 37.20 | 37.35 | 24 |
| 25 | 37.50 | 37.65 | 37.80 | 37.95 | 38.10 | 38.25 | 38.40 | 38.55 | 38.70 | 38.85 | 25 |
| 26 | 39.00 | 39.15 | 39.30 | 39.45 | 39.60 | 39.75 | 39.90 | 40.05 | 40.20 | 40.35 | 26 |
| 27 | 40.50 | 40.65 | 40.80 | 40.95 | 41.10 | 41.25 | 41.40 | 41.55 | 41.70 | 41.85 | 27 |
| 28 | 42.00 | 42.15 | 42.30 | 42.45 | 42.60 | 42.75 | 42.90 | 43.05 | 43.20 | 43.35 | 28 |
| 29 | 43.50 | 43.65 | 43.80 | 43.95 | 44.10 | 44.25 | 44.40 | 44.55 | 44.70 | 44.85 | 29 |
| 30 | 45.00 | 45.15 | 45.30 | 45.45 | 45.60 | 45.75 | 45.90 | 46.05 | 46.20 | 46.35 | 30 |
| 31 | 46.50 | 46.65 | 46.80 | 46.95 | 47.10 | 47.25 | 47.40 | 47.55 | 47.70 | 47.85 | 31 |
| 32 | 48.00 | 48.15 | 48.30 | 48.45 | 48.60 | 48.75 | 48.90 | 49.05 | 49.20 | 49.35 | 32 |
| 33 | 49.50 | 49.65 | 49.80 | 49.95 | 50.10 | 50.25 | 50.40 | 50.55 | 50.70 | 50.85 | 33 |
| 34 | 51.00 | 51.15 | 51.30 | 51.45 | 51.60 | 51.75 | 51.90 | 52.05 | 52.20 | 52.35 | 34 |
| 35 | 52.50 | 52.65 | 52.80 | 52.95 | 53.10 | 53.25 | 53.40 | 53.55 | 53.70 | 53.85 | 35 |
| 36 | 54.00 | 54.15 | 54.30 | 54.45 | 54.60 | 54.75 | 54.90 | 55.05 | 55.20 | 55.35 | 36 |
| 37 | 55.50 | 55.65 | 55.80 | 55.95 | 56.10 | 56.25 | 56.40 | 56.55 | 56.70 | 56.85 | 37 |
| 38 | 57.00 | 57.15 | 57.30 | 57.45 | 57.60 | 57.75 | 57.90 | 58.05 | 58.20 | 58.35 | 38 |
| 39 | 58.50 | 58.65 | 58.80 | 58.95 | 59.10 | 59.25 | 59.40 | 59.55 | 59.70 | 59.85 | 39 |
| 40 | 60.00 | 60.15 | 60.30 | 60.45 | 60.60 | 60.75 | 60.90 | 61.05 | 61.20 | 61.35 | 40 |
| 41 | 61.50 | 61.65 | 61.80 | 61.95 | 62.10 | 62.25 | 62.40 | 62.55 | 62.70 | 62.85 | 41 |
| 42 | 63.00 | 63.15 | 63.30 | 63.45 | 63.60 | 63.75 | 63.90 | 64.05 | 64.20 | 64.35 | 42 |
| 43 | 64.50 | 64.65 | 64.80 | 64.95 | 65.10 | 65.25 | 65.40 | 65.55 | 65.70 | 65.85 | 43 |
| 44 | 66.00 | 66.15 | 66.30 | 66.45 | 66.60 | 66.75 | 66.90 | 67.05 | 67.20 | 67.35 | 44 |
| 45 | 67.50 | 67.65 | 67.80 | 67.95 | 68.10 | 68.25 | 68.40 | 68.55 | 68.70 | 68.85 | 45 |
| 46 | 69.00 | 69.15 | 69.30 | 69.45 | 69.60 | 69.75 | 69.90 | 70.05 | 70.20 | 70.35 | 46 |
| 47 | 70.50 | 70.65 | 70.80 | 70.95 | 71.10 | 71.25 | 71.40 | 71.55 | 71.70 | 71.85 | 47 |
| 48 | 72.00 | 72.15 | 72.30 | 72.45 | 72.60 | 72.75 | 72.90 | 73.05 | 73.20 | 73.35 | 48 |
| 49 | 73.50 | 73.65 | 73.80 | 73.95 | 74.10 | 74.25 | 74.40 | 74.55 | 74.70 | 74.85 | 49 |
| 50 | 75.00 | 75.15 | 75.30 | 75.45 | 75.60 | 75.75 | 75.90 | 76.05 | 76.20 | 76.35 | 50 |

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