

SIZING MANHOLES MULTIPLE HOLES AT THE SAME ELEVATION

FORMULA:

$M \times \text{ANGLE} = Y$

M = CIRCUMFERENCE/360 DEGREES (SEE TABLE TO RIGHT)
Y = ARC DISTANCE BETWEEN THE CENTER LINE OF PIPES

$A = Y - ((\text{PIPE \#1 ARC SIZE}) / 2) - ((\text{PIPE \#2 ARC SIZE}) / 2)$

A = DISTANCE BETWEEN OPENINGS

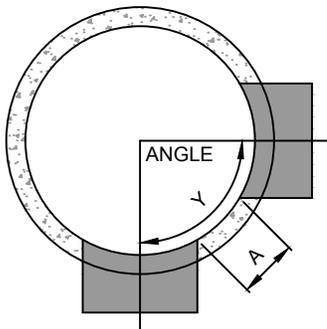
SUGGESTED "A" DISTANCE IS 6" OR GREATER FOR 48" THROUGH 72" DIAMETER MANHOLES.
FOR GREATER THAN 72" DIAMETER MANHOLES SUGGESTED "A" IS 8" OR GREATER.

**MANHOLE
DIAMETER**

**M
IN/DEG**

| | |
|--------|-------|
| 48 IN. | 0.419 |
| 60 IN. | 0.524 |
| 72 IN. | 0.628 |
| 84 IN. | 0.733 |
| 96 IN. | 0.838 |

| PIPE DIAM. (IN.) | PIPE OD (IN.)* | CORE HOLE (IN.) | 48" DIAM. | 60" DIAM. | 72" DIAM. | 84" DIAM. | 96" DIAM. |
|------------------------|----------------------|-----------------------|-----------|-----------|-----------|-----------|-----------|
| | | | 12 | 16.5 | 20.5 | 21.2 | 20.9 |
| 15 | 19.8 | 23.8 | 24.8 | 24.4 | 24.2 | 24.1 | 24.0 |
| 18 | 23.0 | 27.0 | 28.7 | 28.0 | 27.7 | 27.5 | 27.4 |
| 21 | 27.0 | 31.0 | 33.7 | 32.6 | 32.0 | 31.8 | 31.6 |
| 24 | 30.0 | 34.0 | 37.8 | 36.1 | 35.4 | 35.0 | 34.8 |
| 27 | 35.0 | 39.0 | | 42.5 | 41.2 | 40.6 | 40.2 |
| 30 | 38.3 | 42.3 | | 46.9 | 45.2 | 44.3 | 43.8 |
| 36 | 45.9 | 49.9 | | | 55.1 | 53.4 | 52.5 |
| 42 | 52.2 | 56.2 | | | 64.5 | 61.6 | 60.1 |
| 48 | 59.4 | 63.4 | | | 77.6 | 71.9 | 69.3 |
| 54 | 65.0 | 69.0 | | | | 81.0 | 77.0 |
| 60 | 72.0 | 76.0 | | | | | 87.7 |



* PIPE OD IS FOR "B" WALL PIPE. OTHER PIPE OD'S CAN NOT USE THIS TABLE.
THE TABLE ASSUMES THAT FOR PIPE SIZES UP TO 30" IN DIAMETER A "BOOT" WILL BE INSTALLED

NOTES:

1. THESE DIMENSIONS ARE FURNISHED FOR INFORMATION ONLY. ALL DIMENSIONS SHOWN ARE SHEET SPECIFIC. USE OF THESE DIMENSIONS OR EXAMPLE CALCULATIONS MUST BE CHECKED BY THE USER'S ENGINEER ENSURING ADEQUACY FOR THE INTENDED USE.
2. REVISIONS OR ADDITIONS TO THE ABOVE MAY BE ISSUED PERIODICALLY AND IT SHALL BE THE RESPONSIBILITY OF THE RECEIVER OF THESE FILES TO KEEP THEM CURRENT WITH ANY UPDATES.



SPANISH FORK CITY
40 SOUTH MAIN STREET
SPANISH FORK, UT 84660
(801) 804-4550

STANDARD DRAWING

MANHOLE SIZING

DRAWN: JLR
DESIGN: CJP
CHECK: CMT
DATE: 6/22/16

SCALE:
NONE
STANDARD
26