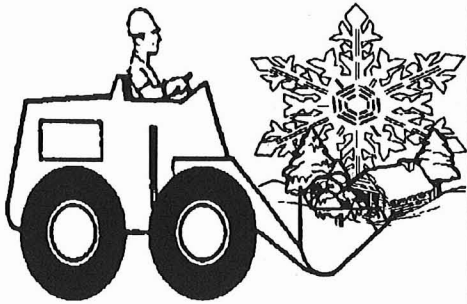


Recommended Guidelines for Snow Disposal



- Disposed snow should be stored near flowing surface waters, but at least 25 feet from the high water mark of the surface water;
- A silt fence or equivalent barrier should be securely placed between the snow storage area and the high water mark;
- The snow storage area should be at least 75 feet from any private water supply wells, at least 200 feet from any community water supply wells, and at least 400 feet from any municipal wells (note: snow storage areas are prohibited in wellhead protection areas [class GAA ground-water]);
- All debris in the snow storage area should be cleared from the site prior to snow storage; and
- All debris in the snow storage area should be cleared from the site and properly disposed of no later than May 15 of each year that the area is used for snow storage. ■

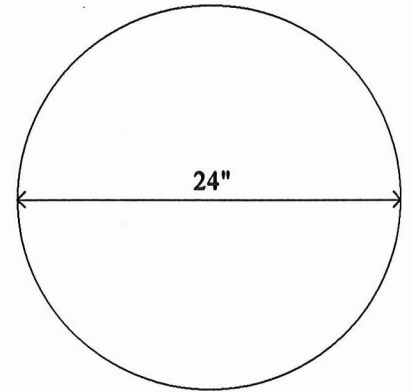
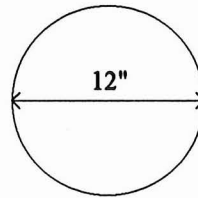
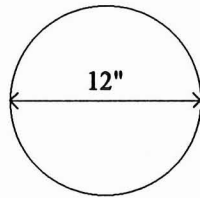
Culvert Tips

Reprinted from Maine Local Roads News, Summer & Spring 1992

Which culvert(s) carry the most volume of water?

Two 12-inch pipes or one 24-inch pipe?
(assume water velocity is identical)

$$\text{Area of pipe} = \frac{3.14 D^2}{4}$$



$$\text{Area(1pipe)} = \frac{3.14 \times 1\text{ft.} \times 1\text{ft.}}{4}$$

For 2 pipes,
Area = 2 x 0.785 = 1.57sq.ft.

$$\text{Area} = \frac{3.14 \times 2\text{ft.} \times 2\text{ft.}}{4}$$

$$\text{Area} = 3.14\text{sq.ft.}$$

Compare

One 24-inch pipe has twice the capacity as two 12-inch pipes!

Your town needs to replace a 40 foot culvert across a road. You want to set it at a 1% grade. Using a hand (or "pop") level, what should be the difference in elevation from one end to the other?

$$\text{Grade} = 1\% = 1/100 = .01$$

Therefore,

$$H = .01 \times 40\text{ft.} = 0.4\text{ft.} = 4.8\text{inches}$$

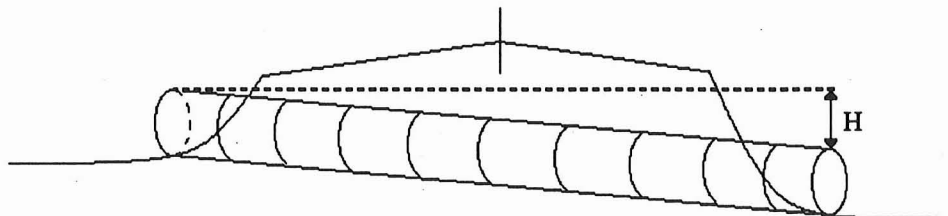


Figure not drawn to scale