



Across

- 2 The flushing water pressure in a water-lubricated wastewater pump should be _____ PSI more than the pump discharge pressure. (4)
- 5 A sewer _____ to a water line, must have a minimum of 10 feet of separation. (8)
- 8 5,280 feet (4)
- 9 A _____ prevents water from flowing back into the pump. (10)
- 11 Hydrogen sulfide gas smells like _____. (10)
- 17 A PH of 6.0 is (6)
- 19 Who must review plans for final approval before a new sewer can be constructed? (3)

20 amps x volts (5)

- 21 Closing the discharge valve on a centrifugal pump would cause motor the amperage to _____ (8)
- 22 A PH of 7 is _____ (7)
- 23 What must be done before any work is to be done on a piece of equipment? (4)

Down

- 1 746 watts = 1 _____. (8)
- 2 Shoring is required for any trench over _____ feet deep. (4)
- 3 The impeller housing of a centrifugal pump (6)
- 4 On floors where water or chemicals are commonly spilled, cover the floors with _____ (8)

- 5 A ball forced through a sewer line. (3)
- 6 Spacer ring in a pump packing gland to improve seal water distribution is a _____ ring. (7)
- 7 Emergency stoppages in pipelines may be cleared safely by use of (6)
- 8 cfs/1.55 (3)
- 10 Enclosed, open and semi-closed are terms used for the designation and selection of _____ (9)
- 12 A Parshall flume is a type of _____ (7)
- 13 What is the minimum distance from the edge of the spoils to the edge of the trench (7)

- 14 Shoring must protude _____ inches above the top of the excavation. (8)
- 15 To sample for pH, you should collect a _____ sample. (4)
- 16 A device used to test the percent deflection in a sewer pipe between manholes is known as what? (7)
- 18 26,928 gallons per hour of flow is equal to 1 _____. (3)