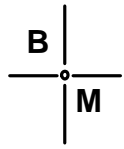


23 Appendix 23.0 As-Builts & Layout Surveys



Benchmark

B.S.

Backsight

F.S.

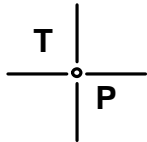
Foresight

H.I.

Height of Instrument



Instrument Set-up Location



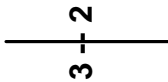
Turning Point

(3 - 2)

Existing (Natural) Elevation



Pressure/Gravity Pipe



Top of Pipe



Spot Grade Rod Reading*

*Spot grades are to be used with the following prefixes and suffixes to indicate item being surveyed.

Prefixes:

EX - Existing
PL - Planned
AB - As-Built

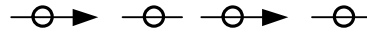
Suffixes:

D.B. - Ditch Bottom (Ditch Invert)
T.G. - Top of Gravel
T.S. - Top of Sand
F.L. - Flow Line(Pipe Invert)
T.T. - Top of Tank
T.R. - Top of Riser
T.P. - Top of Pipe

Example:



Interpretation: As-Built Spot Elevation
Shot for Top of Tank ; Grade Rod
Reading of 3 ft - 2 in.



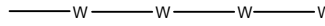
Gradient Drain



Gradient Drain Sump Basin or Pump Basin



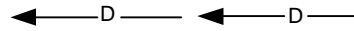
Buried Electric Service



Buried Water Service



Structure (Building)



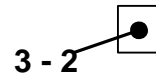
Diversion Ditch



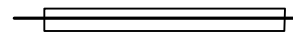
Control Panel



Electrical Disconnect



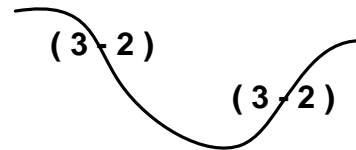
Top of Drop Box



Cased Pipe



Tank



Contour

HAMILTON COUNTY GENERAL HEALTH DISTRICT
Division of Water Quality

Symbols for "Layout Surveys" and "As-Builts"



Title: Symbols for "Layout Surveys" and "As-Builts"

Drawn By: CMG

Date: 2/2/05

Revision #: 3,0

