

How Soils Should Be Assessed; Credential Requirements & Reporting Forms

Alan Barrows
Waukesha County
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Soil Testing Procedures

Follow SPS 385 for qualifications, profile descriptions, methods and reporting (for storm water & basements)

Qualifications

Certified Soil Tester or Professional Soil Scientist

Profile Descriptions

Use the USDA classification system

Horizon depths

Soil color

Soil texture

Redox. features

Groundwater

Bedrock



Soil Testing Procedures

Methods

Use excavated pits or borings

Excavated pits are preferred by Waukesha County

No Power Augers

Light conditions need to permit accurate color determination

Gets more difficult as the sun is lower in the horizon



Monitoring Wells

At least three wells

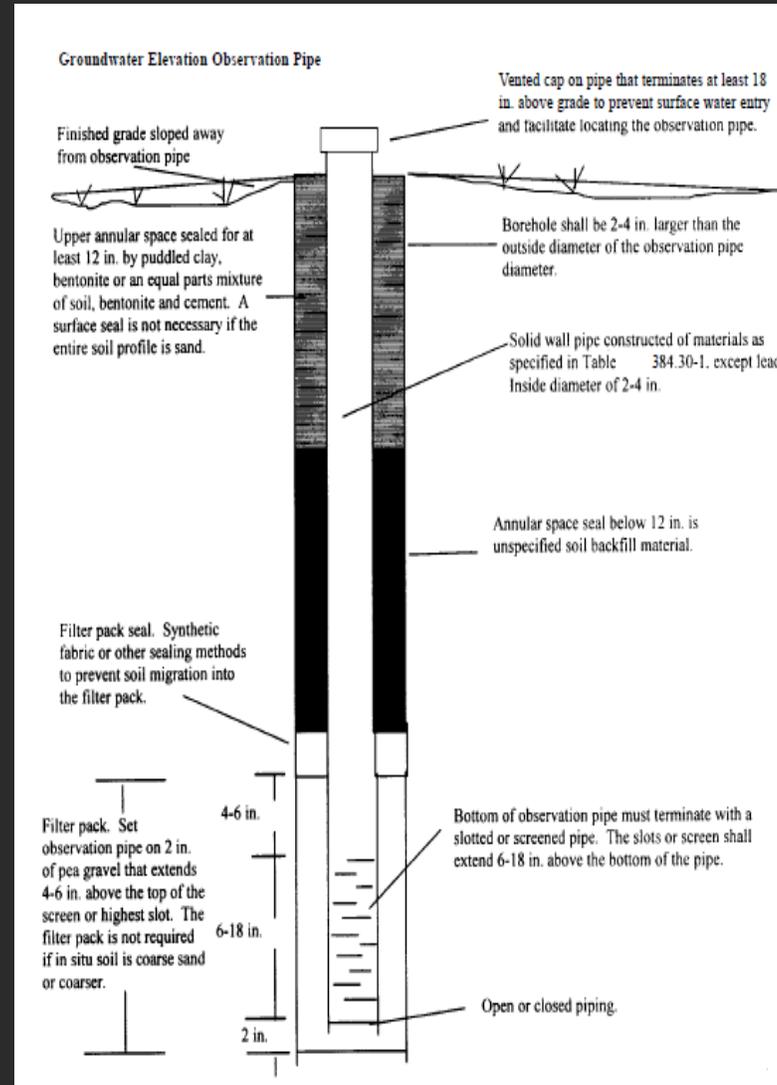
One well to 15 feet

Constructed per SPS 385.60-1

Take readings weekly during the dates of Feb. 15 through June 1

Normal precipitation (at least 8.5" from 9/1 – end of Feb or 7.6" from 3/1 – 5/31)

Submit results to the County



Submit Reports to the County

Soil Test Log

Scaled map showing test location

Form A (for basements only)

Summary of findings

Elevations to NVGD 29 (feet above mean sea level)

Depth to seasonal high water table

Proposed basement floor elevation



Where?

Septic soil test results go to Environmental Health Division

Basement soil tests as part of a storm water permit go to the Land Resources Division

Basement soil tests as part of a zoning permit go to the Planning and Zoning Division

Contact Us

If you have any questions or want County staff on-site to observe a soil test call:

(262) 896-8300

A 24-hour notice for test observation is appreciated