

Form A – Seasonal High Groundwater Determination Report

Fill soils were encountered on site. The horizon directly below the fill soils is native topsoil that has been compacted, presumably during the placing of the fill material. Mottling was not observed in the horizons above or below the compacted native topsoil, but was seen in the compacted topsoil. It is the interpretation of Butler Engineering that the compacted soils retain water for a long enough period of time to result in mottling, but the mottling seen is not indicative of seasonal high groundwater. Our interpretation sets the seasonal high groundwater mark at 96.7' and the resulting bottom of basement height at 97.7'. To attain this bottom of basement height an engineered plan would be required.

The soil series observed in the soil evaluation match the Official Soil Series Description of the Hochheim Loam.

The Hochheim series is classified as a well drained soil. The definition of a well drained soil is: Water is removed from the soil readily, but not rapidly. Internal free water occurrence commonly is deep to very deep; annual duration is not specified. Water is available to plants throughout most of the growing season in humid regions. Wetness does not inhibit growth of roots for significant periods during most growing seasons. The soils are mainly free of the deep redoximorphic features that are related to wetness.

The evaluated soils were not hydric and are not listed within the Waukesha County hydric soils list.