



# C-400 Complex Stratigraphy

**DRAFT WORKING COPY – FOR DISCUSSION ONLY 6/5/18**

## Stratigraphy at C-400

- HU1 consists of shallow soils including loess, fill material, and reworked soils: 15 to 20 ft thick
- HU2A and HU2B intervals are present as horizons of common occurrences of sand and gravel lenses: ~ 22 ft thick
- HU3 is an underlying thick silty interval: commonly 12 to 23 ft thick
  - Contains some sand and gravel lenses
  - The contact of HU3 and HU4 is gradational
    - Hard to recognize in the field
- HU4 is a fine sand: commonly 3 to 7 ft thick
- HU5 is a 25-to-35 ft thick sequence of gravelly sand to sandy gravel
- Base of Lower Continental Deposits/HU5 is an erosional unconformity
  - Plio/Pleistocene gravel unit(s) overlying Cretaceous marine sediments (McNairy Formation)
- McNairy Formation consists of interbedded sand, silt, and clay lenses
  - The McNairy Formation is ~ 300 ft thick beneath C-400
  - Overlies Mississippian limestone



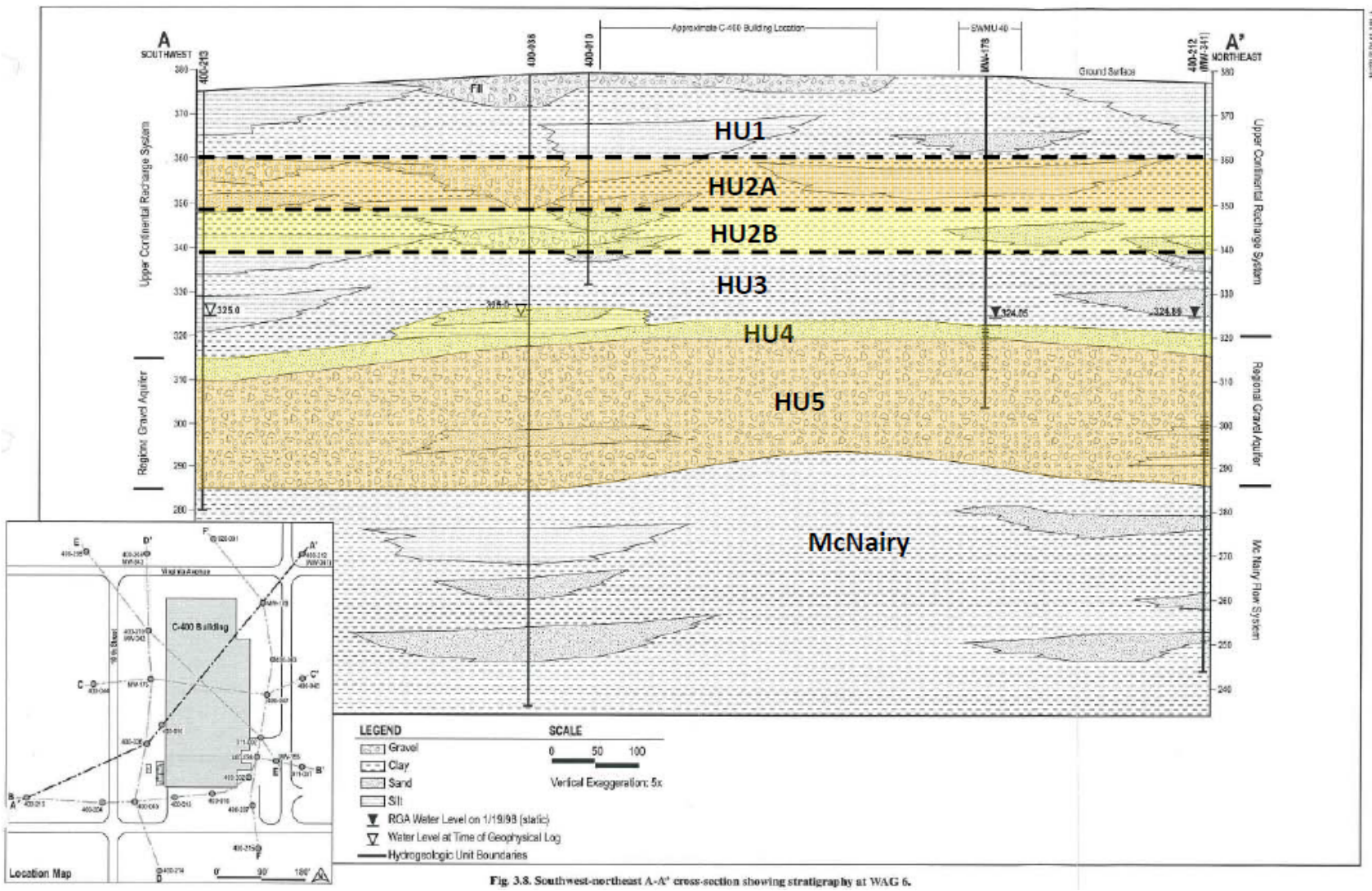


Fig. 3.8. Southwest-northeast A-A' cross-section showing stratigraphy at WAG 6.



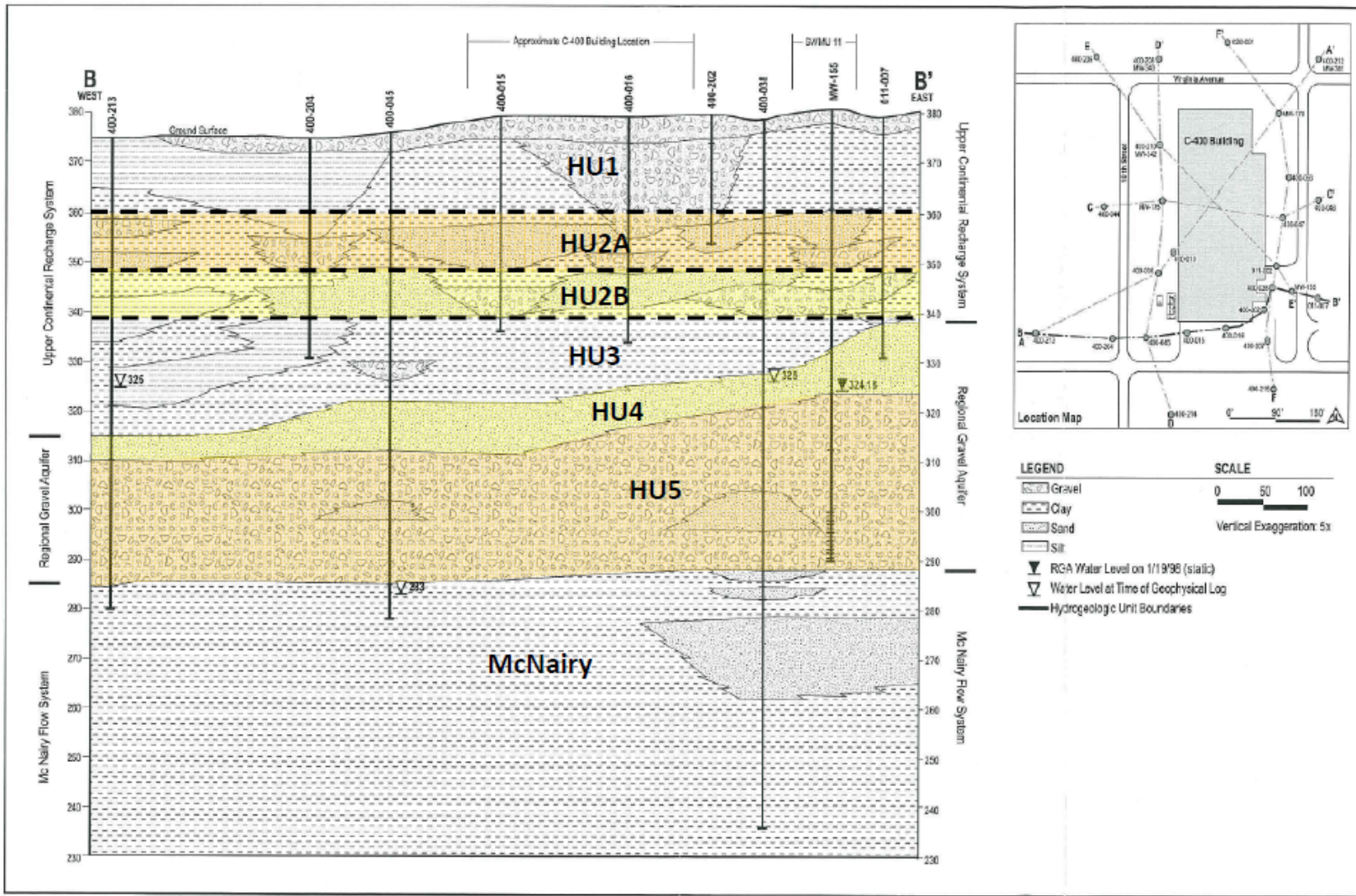


Fig. 3.9. East-west B-B' cross-section showing stratigraphy at WAG 6.



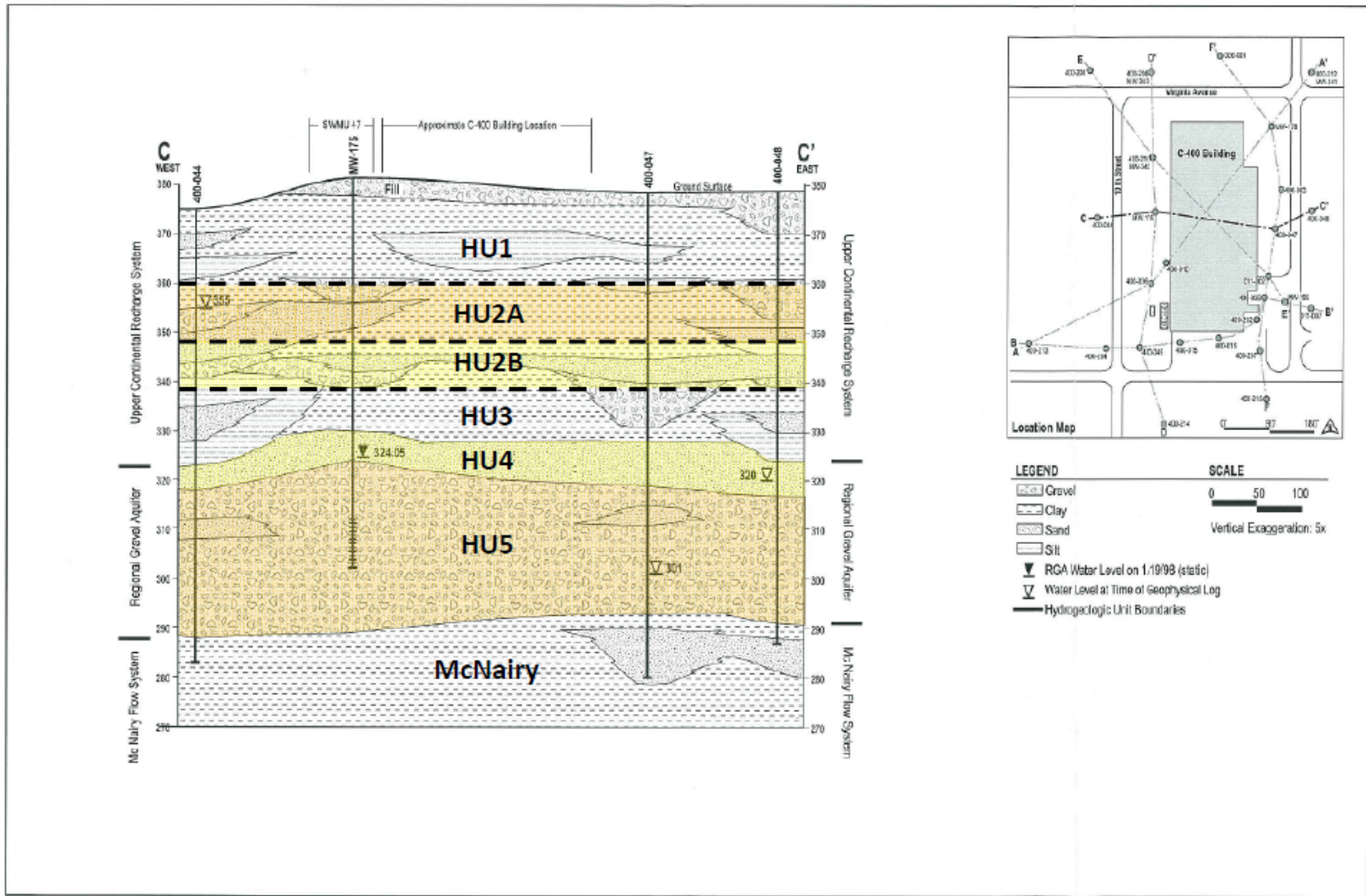


Fig. 3.10. East-west C-C' cross-section showing stratigraphy at WAG 6.



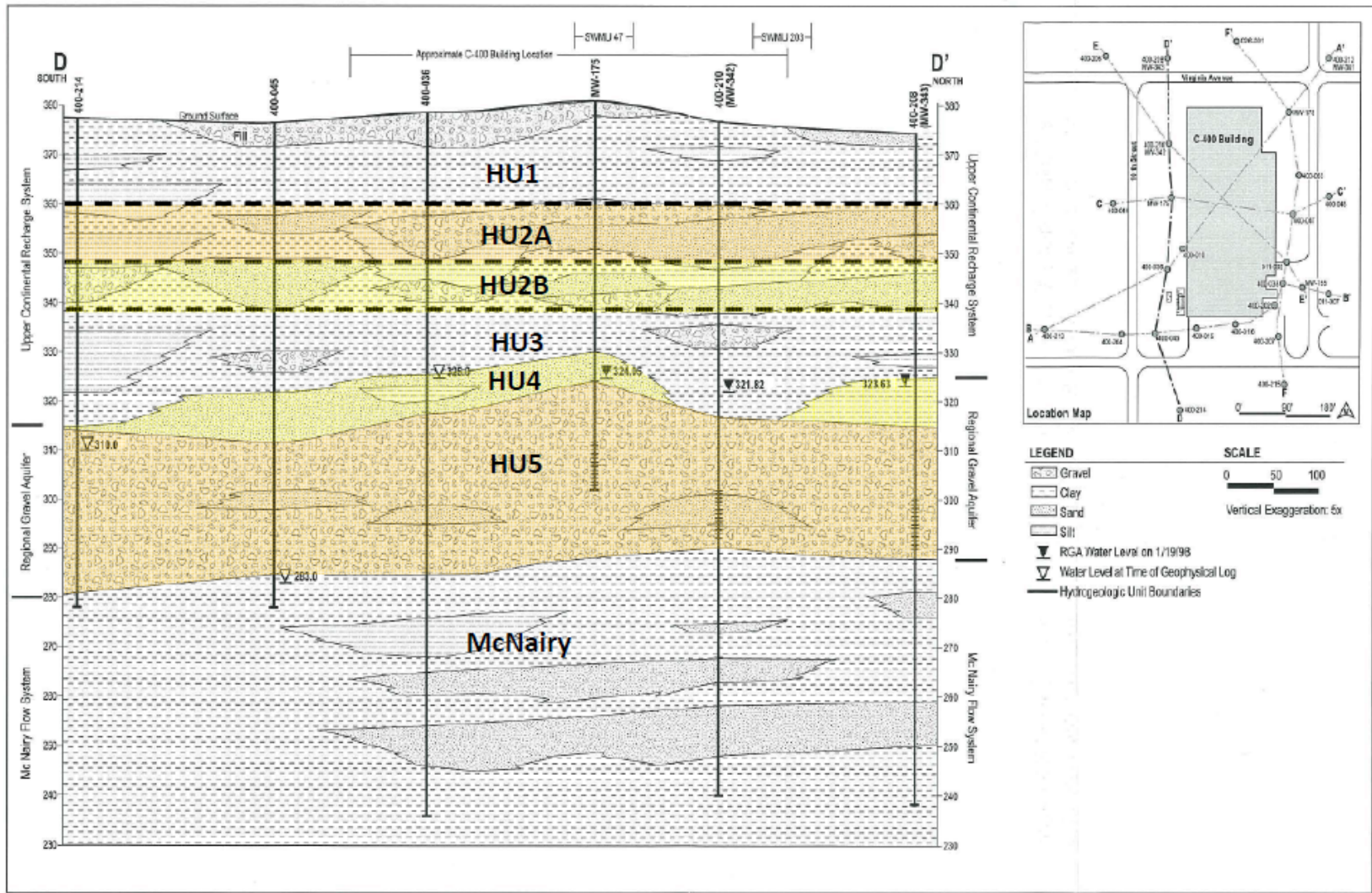


Fig. 3.11. North-south D-D' cross-section showing stratigraphy at WAG 6.



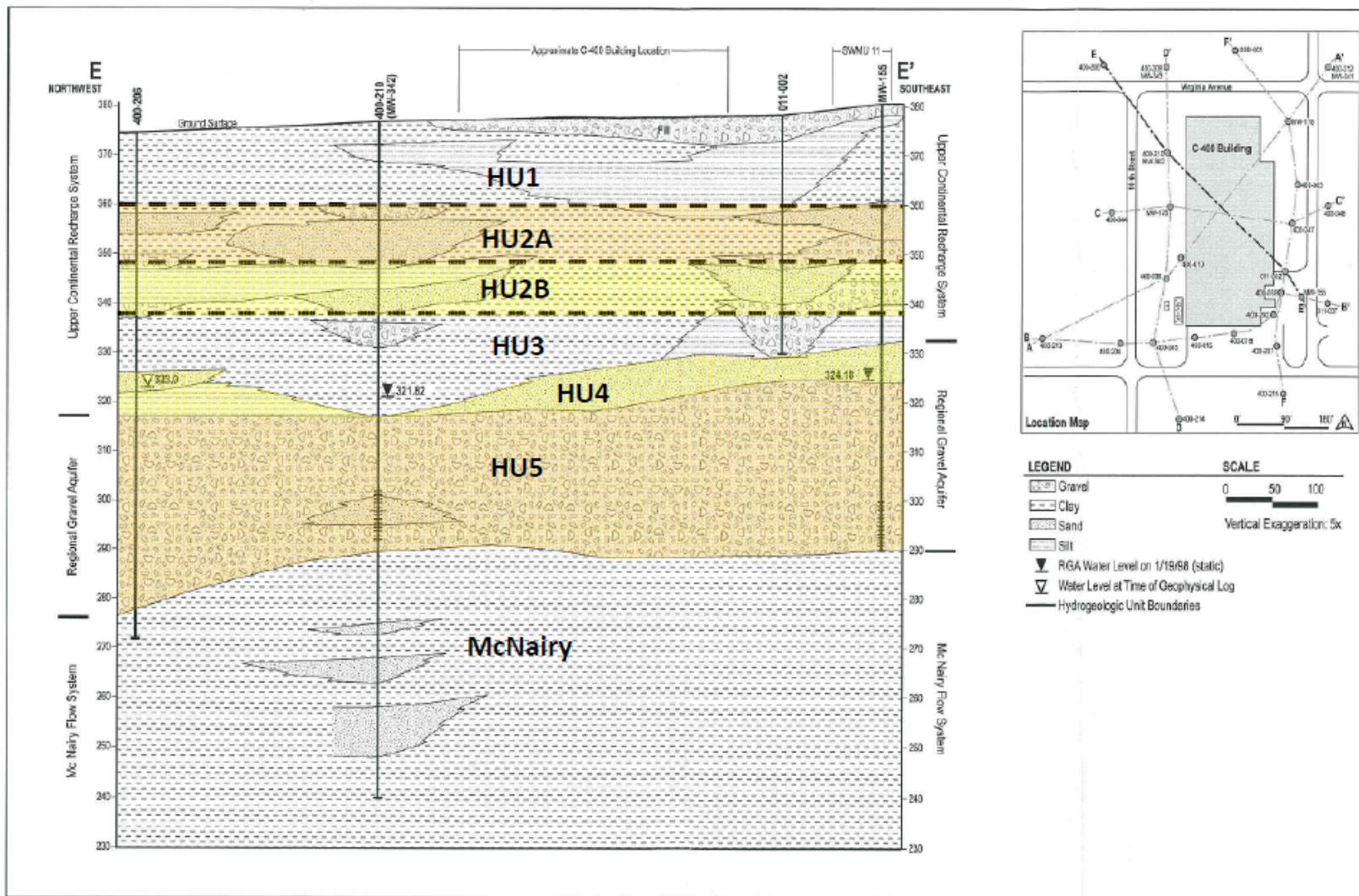


Fig. 3.12. Northwest-southeast E-E' cross-section showing stratigraphy at WAG 6.



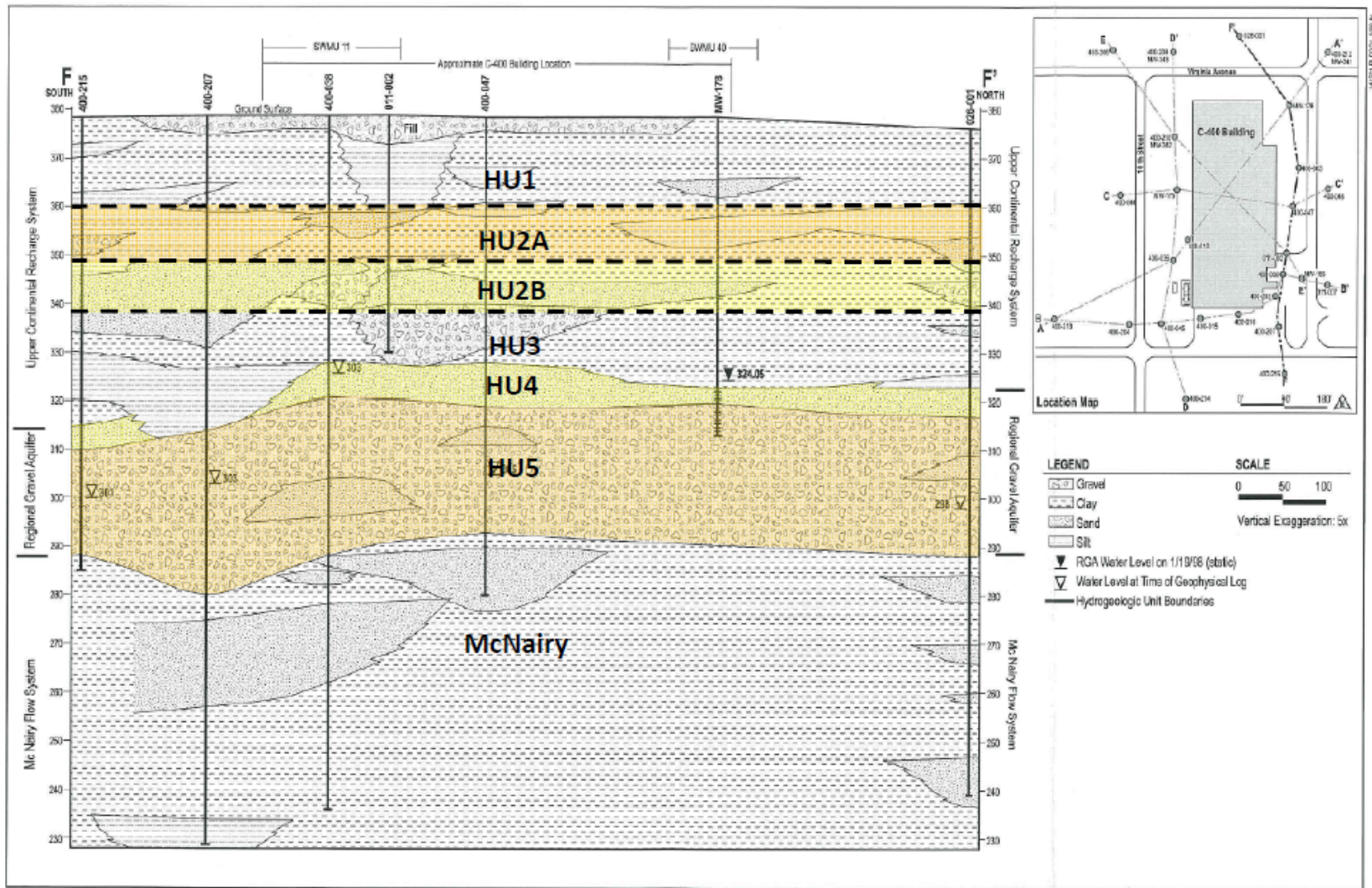


Fig. 3.13. North-south F-F' cross-section showing stratigraphy at WAG 6.

