

Riverside Street and Forest Avenue and a storm water detention pond. The building development will occur in the western portion of the project site. The currently envisioned site development plan is shown on Figure 2, Site and Exploration Location Plan.

Proposed site grading (see Figure 2) ranges from El. 80 near Riverside Street and Forest Avenue to El. 65 on the Forest Avenue access road; the proposed finish floor grade in the store is El. 75. As indicated on Figure 2 a significant portion of the food store will be located within the pit limits where the ground surface generally ranges from about El. 50 to El. 60. Therefore, fill material will be required to raise the grade within the general limits of the building and for the access road behind the building. A new access road extending from the eastern end of the food store through the gravel pit to Forest Avenue is proposed. The access road alignment will be built over and parallel to steep cut slopes for most of its length.

General site grading will require cuts and significant fills in the parking areas and access roads. Cuts up to 8 ft. deep are anticipated in the parking area in front of the store and on the north side of the store. Fills of up to 19 ft. are anticipated for portions of the parking areas in front of the food store (western side). Cuts of up to 15 ft. and fills of up to 30 ft. are anticipated for the Forest Avenue access road. A detention pond is proposed behind the store. The lowest elevation of the detention pond is about El. 52.

The proposed building will require fill over most of its proposed plan area. Fill thicknesses will range from 1 to 30 ft. A small cut area (about 35 ft. by 85 ft. in plan area) will be needed on the north side/northwestern corner of the building, where the maximum anticipated depth of cut will be about 5 ft.

Elevations in this report are in feet and are referenced to NGVD.

SUBSURFACE EXPLORATIONS

Subsurface explorations for this geotechnical investigation consisted of seventeen test borings (B101 through B116, and B105A) and seven test pits (TP101 through TP107) to evaluate general soil and groundwater conditions at the site. In addition, monitoring wells were installed in B101, B110, B111 and B117 during the exploration program.

Test borings were drilled by Maine Test Borings, Inc., of Brewer, Maine during the period 18 through 27 February and 4 March 2003. A Haley & Aldrich geologist was present to monitor the test borings and prepare boring logs. The boring logs are included in Appendix A.

The borings were drilled using a track-mounted drill rig and 2.5-in. or 4.25-in. I.D. hollow stem augers. Soil samples were typically obtained at 5-ft. intervals by driving a 1 3/8-in. I.D. split-spoon sampler with a 140-lb. weight dropped 30 in. Samples were taken continuously through fill materials so that the thickness of the fill could be determined. The borings were