

**SECTION 02 30 00
SUBSURFACE INVESTIGATION**

PART 1 GENERAL

1.01 REFERENCE STANDARDS

- A. ASTM D6432 - Standard Guide for Using the Surface Ground Penetration Radar Method for Subsurface Investigation; 2019.

1.02 SECTION INCLUDES

Requirements and procedures for subsurface investigations.

1.03 RELATED REQUIREMENTS

- A. Section 41 66 10 - Mobile Ground Penetrating Radar Equipment

1.04 REFERENCE STANDARDS

- A. ASTM D6432-11 - Standard Guide for Using the Surface Ground Penetrating Radar Method for Subsurface Investigation

1.05 SITE INVESTIGATION REPORT

- A. NYCHA will appoint a consultant and pay for a geotechnical investigation report for the project site.
- B. The investigation report is to identify subsurface (i.e. soil and groundwater) conditions and provide recommendations for site preparation including anticipating stripping depths, temporary excavation slopes, active soil level, foundation design, excavation, dewatering, pavement design, backfill material specifications, compaction requirements including the suitability of the site soils for re-use as structural fill, seismic, seepage and drainage considerations. The report should consider the seasonal variations of the soil as well.
- C. Recommendations for pavement design shall consider loading from heavy vehicular traffic.
- D. The report shall contain the recommendations for lateral earth pressures on below-grade foundation walls for construction of interior slabs-on-grade, perimeter foundation, under slab drainage and estimates of potential total and differential post-construction foundation settlement.
- E. The report will be obtained for NYCHA's use in design. The report and borehole and/or test pit logs or other subsurface data will be made available for the contractor's information as an appendix to the bid documents.
- F. The report by its nature cannot reveal all conditions that exist or can occur on the site and the contractor is assumed to be knowledgeable of the limitations of such reports. The report is provided for information only and no guarantee is made of the subsurface conditions other than at the exact borehole locations and to the depth of investigation at those locations.
- G. The Contractor is required to visit the site and acquaint themselves with all existing conditions as well as the geotechnical report, included in the contract documents.

PART 2 PRODUCTS - NOT USED

PART 3 EXECUTION - NOT USED

END OF SECTION 02 30 00