

§23-APPENDIX A-8

REQUIREMENTS FOR THE PREPARATION OF THE BORING LOGS AND BORING REPORTS

All boring logs and boring reports submitted to the department in connection with drainage proposals and private sewer or private drain plans shall be prepared in accordance with the following requirements.

(1) Borings shall be taken in accordance with the latest provisions and requirements of the New York City Building Code. Borings shall be taken at 150 foot intervals in Queens, Brooklyn, and Staten Island, and at 50 foot intervals in the Bronx and Manhattan within the street limits where the private sewer or private drain is proposed. The average depth of borings, including depth at which dry samples and rock cores will be taken, will be approximately fifteen (15) feet below the proposed subgrade;

(2) in soil, casings 2½" or larger shall be sunk. In cases of rock, diamond drills shall be used, drilling to be done with 1⅜" cores;

(3) the casing shall always be driven with the same weight of hammer having the same height of fall. The weight of the sampler drop hammer shall be three hundred (300) pounds and the height of free fall shall be eighteen (18) inches. The number of blows required to drive the casing each foot into the soil shall be recorded on the driller's log for each boring. All drop hammers shall have their true weight marked and certified by the contractor;

(4) rock cuts shall be at least 1⅜" in diameter. The rock core borings shall be carried to a depth of ten (10) feet below top of rock, or as otherwise directed by the professional engineer or registered architect;

(5) dry samples shall be obtained with a split spoon sampler having a two (2) inch outside diameter (O.D.) and a 1⅜" inside diameter (I.D.) and a clear inside length at least twenty two (22) inches;

(6) dry samples shall be taken by the contractor of the materials penetrated at five (5) foot intervals, unless otherwise ordered, and also at every change of material or soil stratification as established from sampling, observation of the wash material and driving resistance during progress of the boring explorations;

(7) the sampler shall always be driven with the same weight of hammer having the same height of fall. The weight of the sampler drop hammer shall be one hundred and forty (140) pounds and the height of free fall shall be thirty (30) inches. The number of blows required to drive the sampler each consecutive six (6) inches for a total penetration of eighteen (18) inches into the soil shall be recorded on the driller's log for each boring. All drop hammers shall have their true weight clearly marked and certified by the contractor;

(8) the ground water levels will be determined by well point at a location where a boring is taken at a maximum spacing of 500 feet. The well point will be read during a 24 hour period;

(9) the contractor shall take undisturbed soil samples, in an approved manner or as ordered by the professional engineer or registered architect. Each sample shall be obtained with a thin, open type, brass "shelby" tube sampler, three (3) inch O.D. and thirty (30) inches long or as otherwise approved by the professional engineer or registered architect;

(10) continuous samples shall be taken when ordered by the engineer. The method of taking samples shall be subject to approval by the professional engineer or registered architect and shall be such as to permit laboratory tests to determine accurately the compactness, hardness, water content or other properties of each strata from which a sample is taken;

(11) the professional engineer or registered architect shall show soil classification data on the boring logs;

(12) general notes shall appear on the boring sheet as follows;

(i) borings in accordance with the latest City Building Code;

(ii) weight of hammer on _____ casing _____ lbs. with ____ drop;

(iii) weight of hammer on ____ spoon ____ lbs. with _____ drop;

(iv) boring elevations are approximate;

(v) spoon blows per 6" _____;

(vi) spoon blows per foot _____;

(vii) all field and laboratory work supervised by _____, P.E./R.A.; these borings were made and carried to the depth indicated and to the best of my knowledge, the description and classifications are a true presentation of the soils found at the depths and elevations shown;

(viii) elevations shown refer to the Borough of _____, sewer datum which is _____ ft. above mean sea level as established by the U.S. Coast and Geodetic survey at Sand Hook, NJ;

(13) the seal and signature of the professional engineer or registered architect who supervised the borings;

(14) a box showing the name and address of the company taking borings, client, job location, professional engineer or registered architect, and date borings were taken; and

(15) the boring location plan shall show the location of each boring along with the profile of each boring.

[RETURN TO MAIN DEP RULES, STANDARDS AND FEE SCHEDULE PAGE](#)