

§23-APPENDIX A-2

REQUIREMENTS FOR THE PREPARATION AND SUBMISSION OF DRAINAGE PROPOSAL PLANS

All drainage proposal plans submitted to the department for review shall be filed in quadruplicate and shall contain the following information:

- (a) a description of the limits of the proposal including street names and borough locations;
- (b) a description of the type of proposed private sewer or private drain;
- (c) the name and address of the owner and, if different than the owner, the developer of the proposed development. If the owner or developer is not a natural person, then the drainage proposal shall indicate the name of the responsible officer of the corporation or other legal entity;
- (d) the name and address of the filing professional engineer or registered architect;
- (e) a description of the type of proposed development. If a homeowners' or condominium association is planned for the proposed development, then a draft copy of the owner's offering plan or an affidavit in lieu the draft prospectus shall be submitted;
- (f) a description of the limits of proposed development. All properties must be labeled either:
 - (1) owner's property under this application;
 - (2) owner's property not under this application; or
 - (3) property owned by others;
- (g) existing block and lot numbers of all properties shown on the drainage proposal. In cases where block and lot modifications are proposed, the tentative block and tentative lot numbers shall be shown;
- (h) identification of street status indicating the limits, record width, final map width, and statement of ownership or unknown ownership;
- (i) legal grade elevations as shown on a copy of the latest adopted final map or pending alteration map for streets shown on the drainage proposal;
- (j) a plan view that shows the street areas, widening lines, record lines, paved and unpaved areas, curb lines, street dimensions, existing or proposed street surface elevations, legal grade elevations, existing and proposed buildings and structures with tie-down distances to property lines (if available), existing and proposed catch basins and their connections, existing and proposed private sewers or private drains;
- (k) a plan and profile showing all the existing and proposed sewers or drains fixed by dimensions to street and sewer easement lines; the invert and rim elevations of manholes; the sizes, types, manhole stationing and gradients of all sewers or drains which receive flow from the contributory drainage areas; the reference datum and vertical and horizontal scales. The rim to invert distances at the manholes must be

shown on the profile view. All utilities, ditches, and watercourses are to be shown, labeled and dimensioned on both the plan and profile views;

(l) in cases where more than one private sewer or private drain is proposed for a street, a separate profile shall be provided with one private sewer or private drain indicated by solid lines and the others by dashed lines on each sheet;

(m) a schematic showing the outline of basement floors with elevations for both proposed and existing dwelling units, if available;

(n) the sewer datum note for the borough where the proposed private sewers or private drains are to be installed;

(o) the gradient of roadway ramps shall be shown in profile when cut or fill is involved at the end of a proposed private sewer or Private drain;

(p) cross-sectional views of any existing open watercourse with dimensions and side slopes at critical locations along with longitudinal profile with gradients, elevations, stationing, and liner material shall be shown. All computations pertaining to the flow quantity from the contributory drainage areas and the hydraulic characteristics of the watercourse shall be submitted;

(q) for proposed watercourse diversions not using a closed pipe system, a cross-sectional view of the relocated watercourse with dimensions and slopes, along with a longitudinal profile with gradients, elevations, stationing and liner material shall be shown. All hydraulic design computations shall be submitted;

(r) computations to substantiate the side slope stability of proposed open earth channels or cuts shall be submitted. In the event headwalls and/or retaining structures are required, the same shall be shown on the plan;

(s) identification of all existing water mains, gas mains, and other utility substructures as to size and location;

(t) all hydraulic computations necessary to review the proposed private sewers or private drains that receive flow from the contributory drainage areas.

(u) all existing sanitary, stormwater, and combined sewer outlets and computations demonstrating their adequacy to accept the proposed flow in addition to the existing flows;

(v) the tentative locations of all proposed site connections;

(w) indication as to whether the sanitary flow from the proposed development is tributary to city or to a private sewage treatment plant or private pumping station;

(x) a key or location plan showing the proposed development, all surrounding streets, existing and proposed sanitary, stormwater, or combined drainage facilities and stormwater surface Flow patterns, both existing and proposed;

(y) scale and north arrow; and

(z) a certification by the professional engineer or registered architect filing the drainage proposal attesting to the truth and accuracy of the information contained in the drainage proposal, further attesting that he or she prepared or supervised the preparation of the drainage proposal, and further attesting that no employee of the city

assisted in its preparation. The certification shall be signed and sealed by the filing professional engineer or registered architect.

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