

231.020

December 15, 1981

Mr. Gasper Aluzzo, P.E.
Consentini Associates
Consulting Engineers
2 Pennsylvania Plaza
New York, NY 10121

RE: Proposed Sewer Relocation
in Conjunction with New
Subway Connection at 3rd
Avenue and 60th Street,
Borough of Manhattan

Dear Mr. Aluzzo:

This is in reference to your submission of preliminary plans with a letter dated September 29, 1981 for the above referenced project.

As you have been advised through a previous telephone conversation, in order for this department to perform a complete review, three (3) complete sets of revised plans should be submitted, giving full details of all proposed drainage work and their relationship to existing structures, sewers and drainage facilities in the contract area. Your revised submission should include the following items:

- 1) Complete hydraulic analysis verifying the adequacy of the proposed replacement pipe to accommodate the existing upstream flow with no adverse effects on the downstream system. Said analysis must include plan and longitudinal profile views of the new piping and a comparison of the hydraulic grade lines for the existing and new piping.
- 2) A section view of the new subway interconnection in a NE/SW direction.
- 3) A means of accommodating the street drainage at 60th Street and 3rd Avenue.
- 4) A modification to the new sewer alignment such that the pipe does not traverse private property at the northeast corner of 3rd Avenue and 60th Street. Please note that if this realignment is not physically possible due to the elevations of the new substructure, a permanent sewer easement must be established about the portion of pipe in private property.

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- 5) A plan and profile for the proposed sewer drawn to scale and should include the following information:
- a) A north arrow.
 - b) Names of Streets.
 - c) Property lines, building lines and block and lot numbers.
 - d) Width of Streets, pavements and sidewalks.
 - e) Legal and existing Street grades.
 - f) Sizes, types and location of all existing and proposed sewers with their offset distances from property lines,
 - g) Stationing of new sewer at manholes (0 + 00 to be at downstream end of sewer profile).
 - h) Type of manholes and their rim and invert elevations.
- 6) A legend on the plan showing symbols for existing and proposed sewers, manholes, catch basins and other utilities.
- 7) All proposed drainage work should be done in conformance with the latest standards of the Department of Environmental Protection. A copy of the Sewer Design Standards is enclosed herewith for your reference. Any deviations from these standards should be submitted with complete details, including any required computations, for review by this department.

Encl.

Very truly yours,

cc: DiMartino
Novotny
Farag
Lau
Uriko
Yee
Lanzano ✓
Suspense

REL:GY:lp

FREDERICK NOVOTNY, P.E., CHIEF
Div. of Sewer Regulation &
Control

