

JERSEY CITY MUNICIPAL UTILITIES AUTHORITY

SUBMISSION OF RECORD DRAWINGS FOR EXTENSION OF WATER / SEWER MAINS AND OTHER WATER / WASTEWATER FACILITIES

Record Drawings for Water and Sewer Systems, signed and sealed by a New Jersey licensed Professional Engineer or Land Surveyor shall be submitted for review and acceptance by the JCMUA. To make the drawing readable, it may be necessary to put water and sewer information on separate sheets and/or use a table to show coordinate information. If multiple sheets are submitted, each sheet shall be signed and sealed. Drawings must be to scale and no smaller than 1" = 30 ft unless another scale is more appropriate for representing the information and is approved by the JCMUA.

Each sheet shall include the Engineer's or Surveyor's name, license number, business name, address and telephone number and fax number. It shall also include the following statement: "I certify that these record drawings have been reviewed by me or by individual (s) under my direct supervision. To the best of my knowledge and belief these record drawings reflect the water and sewer facilities as constructed."

The minimum record drawing contents are as follows:

1. Indicate street curb lines, driveways, sidewalks, building outlines, lot lines, and street names so that location of water and sewer facilities with respect to other facilities is clear.
2. Show all easement locations for water and sewer facilities and indicate the name of party to whom the easement is granted. The dimensions and bearings must be shown on the record drawings.
3. Indicate material, length, size and slope of sewer pipe between manholes and catch basins.
4. Indicate material, length and size of water pipe between valves or at least every 300 ft.
5. Show all non-pipe facilities including manholes, valves, catch basins, reducers and hydrants. Indicate the distance from any reducer to the nearest valve.
6. Show all abandoned in place facilities including the extent and method of abandonment.
7. Indicate distance from face of curb to centerline of water and/or sewer main.
8. Provide elevations to the nearest 1/10 ft for the following: invert of main force at all air valve and manhole locations; top of valve operating nut for water mains
9. Provide elevations to the nearest 1/100 ft for the following: manhole rims, catch basin grates, and all pipe inverts at manholes and catch basins.
10. Provide horizontal coordinates, accurate to 1/10 ft for three control points that are located as far apart as possible and not all on the same side of

- the site. A control point can be a center of manhole, valve operating nut, or top of hydrant. The manhole, valve and hydrant can be new or existing one.
11. For all stormwater management facilities: indicate material of construction, all dimensions, manhole rim and invert elevations, pipe slope, the size and location of orifices, weirs and other flow control structures.
 12. For lift / pump stations: indicate all materials of construction, all dimensions, and details on pumps, valves, and controls used. Include elevations, accurate to 1/100 ft for top of slab, grade, bottom of wet well, influent and discharge pipe inverts. Two signed and sealed copies of the O&M manual must also be provided along with the record drawings.

The horizontal positions must be supplied in the New Jersey State Plane Coordinate System, based on the North American Datum of 1983 (NAD 83), in the U.S. survey feet. The vertical elevations must be supplied in U.S. survey feet based on the North American Vertical Datum of 1988 (NAVD 88).

Initially two paper record drawings, 24" x 36" in size, must be submitted. If the drawings do not meet the above standards, the JCMUA will provide comments either on the drawings themselves or on a separate letter. Once record drawings are accepted by the Authority Engineer, the applicant shall submit two 24" x 36" paper drawings and a CD-ROM with AutoCAD (DWG format) or ESRI (version 8.0 or higher) for the Authority's records.

6/8/07

JERSEY CITY MUNICIPAL UTILITIES AUTHORITY

SUBMISSION OF RECORD DRAWINGS FOR WATER SERVICE LINES AND SEWER LATERALS

Record Drawings for water service lines and sewer laterals, signed and sealed by a New Jersey licensed Professional Engineer or Land Surveyor or Architect shall be submitted for review and acceptance by the JCMUA for all buildings with a water service line over 2 inches in diameter. Drawings should be no smaller than 1" = 10 ft scale.

Each sheet shall include the Professional's name, license number, business name, address and telephone number. It shall also include the following statement: "I certify that these record drawings have been reviewed by me or by individual (s) under my direct supervision. To the best of my knowledge and belief these record drawings reflect the water service and sewer lateral(s) as constructed."

The minimum record drawing contents for water service lines and sewer laterals as follows:

1. Indicate street curb lines, driveways, sidewalks, building outlines, lot lines, and street names so that location of water service line and sewer laterals with respect to other facilities is clear.
2. Provide distances in feet, accurate to 1/10 ft, from two control points to tapping valve. Control point can be a center of manhole, top of hydrant, or center of valve box cover. The type and location of the control point should also be shown on the drawing.
3. Show sanitary and storm sewer cleanouts and curb valve and tapping valve on drawing.
4. Indicate distance from curb line to centerline of water and/or sewer main to which connection was made.
5. Indicate material, length, size and slope of sewer lateral(s) between connection point to main, cleanout and exterior building wall.
6. Indicate size of water service pipe and its length between tapping valve, curb valve and exterior building wall.
7. Show all abandoned in place water service and sewer laterals including the extent and method of abandonment.

Initially two paper record drawings, 24" x 36" in size, must be submitted. If the drawings do not meet the above standards, the JCMUA will provide comments either on the drawings themselves or on a separate letter. Once record drawings are accepted by the Authority Engineer, the applicant shall submit two 24" x 36" paper drawings and a CD-ROM with AutoCAD (DWG format) or ESRI (version 8.0 or higher) for the Authority's records.