



Department of Health

ANDREW M. CUOMO
Governor

HOWARD A. ZUCKER, M.D., J.D.
Commissioner

SALLY DRESLIN, M.S., R.N.
Executive Deputy Commissioner

March 22, 2018

Jason A. Ballard, P.E.
Barton & Loguidice, D.P.C.
10 Airline Drive, Suite 200
Albany, New York 12205

Re: DOH Logbook #19673; DEC WWA #12,337
Approval of Plans
Phase III Backup Water Supply – Plains Road
Contract Nos. 2A, 2B, 2C and 3
PWS ID #5503379 & 5515690
(V)/(T) New Paltz, Ulster County

Dear Mr. Ballard:

We have, this day, approved the Basis of Design Report (revised February 2018), and plans and specifications (revised February 2018) for the above-referenced project. Application for this project was duly made by you and was received by the New York State Department of Health (DOH) on June 2, 2017. The latest revision was received on March 16, 2018. The project involves the construction of the Plains Road Well House and installation of approximately 12,500 LF of water main to serve new Water District #5, which consists of 86 homes currently served by private wells. The project also includes a connection to the existing Village of New Paltz water system to allow up to 400 gpm of water to be provided to the Village system during the Catskill Aqueduct shutdown.

We call your attention to **Standard Conditions a through e** and **Special Conditions f and g** of the enclosed DOH form 1017, "Approval of Plans for Public Water Supply Improvement".

A set of approved plans and specifications is being retained in our files, a second set is being sent to the Ulster County DOH, and a third set is being returned to you.

Sincerely,

Brock Rogers, P.E.
Professional Engineer 1
Bureau of Water Supply Protection
Room 1135

Enclosure

cc: S. Mertens, Ulster County DOH (w/encl.)
ecc: M. Pan, NYSDOH MARO (w/o encl.)
J. Petronella, NYSDEC Region 3
N. Bettez, Supervisor - Town of New Paltz (w/o encl.)

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Approval of Plans for Public Water Supply Improvement

This approval is issued under the provisions of 10 NYCRR, Part 5:

| | | | |
|---|--|----------------------------|--|
| 1. Applicant New Paltz (T) | 2. Location of Works (C, V, T) New Paltz (T) | 3. County Ulster | 4. Water District (Specific Area Served) Water District #5 |
| 5. Type of Project | | | |
| <input checked="" type="checkbox"/> 1 Source <input checked="" type="checkbox"/> 3 Pumping units <input type="checkbox"/> 5 Fluoridation <input checked="" type="checkbox"/> 7 Distribution | | | |
| <input checked="" type="checkbox"/> 2 Transmission <input checked="" type="checkbox"/> 4 Chlorination <input type="checkbox"/> 6 Other Treatment <input type="checkbox"/> 8 Storage | | | |
| <input type="checkbox"/> 9 Other | | | |
| Remarks: Log 19673 – Connection of Well PW-1 and construction of new Well PW-1A (both at Plains Road); construction of wellhouse with clearwell storage for CT, pumping and disinfection; installation of approx. 12,500 LF of 8" and 6" water main. | | | |

By initiating improvement of the approved supply, the applicant accepts and agrees to abide by and conform with the following:

Standard Conditions:

- THAT the proposed works be constructed in complete conformity with the plans and specifications approved this day or approved amendments thereto.
- THAT the proposed works be constructed in accordance with all applicable Federal, State and local regulations.
- THAT the proposed works not be placed into operation until such time as the engineer of record certify that construction has been completed in accordance with the approved plans and specifications and an Approval of Completed Works is issued in accordance with Part 5 of the New York State Sanitary Code.
- THAT the engineer of record shall provide manuals and parts lists for installed equipment and shall also provide a set of as-built drawings (with equipment manufactures and model numbers noted) to the system owner; and that the water system owner shall then maintain and update these documents as needed.
- THAT water systems that have, or are required to have an Emergency Response Plan shall if necessary update this plan (including vulnerability assessment) within thirty (30) days of the date of Approval of Completed Works to reflect the improvements proposed in the enclosed plans and specifications.

Special Conditions: *****SEE ATTACHED*****

ISSUED FOR THE STATE COMMISSIONER OF HEALTH

March 22, 2018

Date



P.E.

Designated Representative
Michael J. Montysko, PE
Chief, Design Section,
Bureau of Water Supply Protection

Approval of Plans for Public Water Supply Improvement

General

| | | | | | |
|--|--|------------------------------|---|-------------------|--|
| 6. Type of Ownership <input checked="" type="checkbox"/> Municipal <input type="checkbox"/> Commercial <input type="checkbox"/> Private – Institutional <input type="checkbox"/> 19 Federal <input type="checkbox"/> 40 International <input type="checkbox"/> Industrial <input type="checkbox"/> 9 Water Works Corp. <input type="checkbox"/> 26 Board of Education <input type="checkbox"/> 20 State <input type="checkbox"/> 18 Indian reservation | | | <input type="checkbox"/> 68 Private – Other <input type="checkbox"/> 1 Authority <input type="checkbox"/> 30 Interstate | | |
| 7. Estimated Total Cost \$ 7,475,000 | | 8. Population Served ≈258 | | 9. Drainage Basin | |
| 10. Federal Aid Involved? <input type="checkbox"/> 1 Yes <input checked="" type="checkbox"/> 2 No | | | 11. WWA Project? <input checked="" type="checkbox"/> 1 Yes <input type="checkbox"/> 2 No WWA #12,337 | | |

Source

| | | | |
|---|--|--|--|
| 12. <input type="checkbox"/> Surface Name: _____ Class: _____ <input checked="" type="checkbox"/> Ground Name: Plains Rd wells 1 and 1A Class: _____ | | 13. Est. Source Development Cost | |
| 14. Safe Yield: Well 1 – 400 GPM Well 1A – 400 GPM | | 15. Description: Well 1: Dia. = 8"; Depth = 175 ft bg; casing depth = 155 ft bg; pump intake = 155 ft bg Well 1A: Dia. = 8; Depth = 175 ft bg; casing depth = 155 ft bg; pump intake = 155 ft bg | |

Treatment

| | | | |
|---|--|---------------------------------------|------------------------|
| 16. Type of Treatment <input type="checkbox"/> 1 Aeration <input type="checkbox"/> 4 Sedimentation <input type="checkbox"/> 7 Iron Removal <input type="checkbox"/> 10 Softening <input type="checkbox"/> 2 Microstrainers <input type="checkbox"/> 5 Clarifiers <input checked="" type="checkbox"/> 8 Chlorination <input type="checkbox"/> 11 Corrosion Control <input type="checkbox"/> 3 Mixing <input type="checkbox"/> 6 Filtration <input type="checkbox"/> 9 Fluoridation <input type="checkbox"/> 12 Other | | | |
| 17. Name of Treatment Works Plains Rd Well House | 18. Max. Treatment Capacity 400 GPM | 19. Grade of Plant Operator Req. C | 20. Est. Cost Included |
| 21. Description: Disinfection via sodium hypochlorite. CT obtained in baffled clear well. | | | |

Distribution

| | | | |
|--|--|--|--|
| 22. Type of Project <input type="checkbox"/> 1 Cross Connection <input checked="" type="checkbox"/> 2 Interconnection <input checked="" type="checkbox"/> 3 Transmission <input type="checkbox"/> 4 Fire Pump Cl ₂ <input checked="" type="checkbox"/> 5 Distribution Mains <input type="checkbox"/> 6 Other | | 23. Type of Storage Elevated _____ gallons Underground <u>10,700</u> gallons *Underground storage is the clear well. WD#5 is utilizing Village storage for fire flow and high demand purposes | 24. Est. Distribution Cost \$ |
| 25. Anticipated Distribution System Demand: <u>0.0345</u> MGD Avg. <u>0.0689</u> MGD Max. | | | 26. Designed for fire flow? <input checked="" type="checkbox"/> 1 Yes <input type="checkbox"/> 2 No |
| 27. Description: Installation of approx. 12,500 LF of 8" and 6" water main. Installation of Town distribution pumping system (3 pumps at 50 gpm each) to provide Water District #5 with ADD of approx. 24 GPM, and Village distribution pumping system (2 pumps at 400 GPM each) to provide up to 400 GPM during Catskill Aqueduct shutdown. | | | |

Approval of Plans for Public Water Supply Improvement

SPECIAL CONDITIONS FOR LOG NO. 19673

New Paltz (T), Ulster County Contracts 2A, 2B, 2C, and 3 Plains Road Well Field and Well House

- f. THAT the water system shall not be placed into service until a Water Withdrawal Permit for the Plains Road wells and Water District No. 5 is issued by the New York State Department of Environmental Conservation.
- g. THAT plans and specifications for control components including PLC, controls, sensors and SCADA improvements, which will be completed under a separate contract, shall be submitted to NYS DOH and Ulster County DOH for review and approval.