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April 11, 2023

Revised September 26, 2023

Ms. Kristie Dickert, Administrative Officer
Zoning Board of Adjustment
Neptune Township
P.O. Box 1125
Neptune, NJ 07754-1125

Re: **NJ American Water Company (ZB#22/21)**
625 Old Corlies Avenue
Block 3001, Lot 12
Preliminary and Final Major Site Plan
Conditional Use Variance
Planning Review #2
Our File: NTBA 22-06

Dear Board Members:

Our office received and reviewed materials that were submitted in support of an application for preliminary and final major site plan and conditional use variance approval for the above referenced project. We have provided *new comments in bold and italicized text* and ~~struck-out~~ comments that are no longer relevant. The following documents were reviewed:

1. **Documents Reviewed:**

- A. Preliminary and Final Major Site Plan consisting of 20 sheets, prepared by Joseph N. Bongiovanni, PE of Jacobs Engineering Group Inc., dated October 22, 2022.
- B. *Sheets C-001, CD101, and CS101 of the Preliminary and Final Major Site Plan prepared by Joseph N. Bongiovanni, PE of Jacobs Engineering Group Inc., dated October 24, 2022, last revised September 7, 2023.*
- C. *Jumping Brook Chlorine Conversion Project – Architectural Exterior Elevations consisting of one (1) sheet, prepared by Joseph N. Bongiovanni, PE of Jacobs Engineering Group Inc., dated August 22, 2023.*
- D. *Submittal Letter prepared by Niall J. O'Brien, Esq., dated September 13, 2023.*

- E. *Applicant's Response Letter to our Review Letter, prepared by Archer & Greiner, P.C., undated.*
- F. Partial Topographic & Utility Survey consisting of one (1) sheet, prepared by Jeffrey D. Bunce, PLS of Colliers Engineering & Design, dated last revised February 16, 2022.
- G. Wall Mounted Lighting Cut Sheets.
- H. Architectural Plans consisting of three (3) sheets, prepared by Joseph N. Bongiovanni, PE, of Jacobs Engineering Group Inc., dated March 4, 2022.
- I. Neptune Zoning Denial dated September 16, 2022.
- J. Prior Zoning Board Resolution of Memorialization granting conditional use variance and minor site plan approval for the subject property, Resolution Number ZBA#15/27, memorialized December 2, 2015.
- K. "Stormwater Management Report" prepared by Joseph N. Bongiovanni, P.E., of Jacobs Engineering Group, Inc., dated December 2022.
- L. "Geotechnical Report" prepared by Jacobs Engineering Group, Inc., dated December 2, 2022.
- M. "Application Addendum" describing the nature of application and reliefs required.
- N. "Application Addendum II" explaining waivers on Environmental Impact Statement, Circulation Impact Study and Community Impact Statement.

2. **Site Analysis and Project Description**

The subject property consists of Block 3001, Lot 12, a 17.2-acre site located west of Route 18 between Route 33 and Old Corlies Ave in the LI Light Industrial Zoning District. The site is currently developed with a New Jersey American Water Company – Jumping Brook Water Treatment Plant with associated buildings, structures, and holding/treatment tanks. The site is accessible via an asphalt driveway to Old Corlies Ave. The remainder of the site is wooded and undeveloped, and the northwestern portion of the property contains areas of wetlands, as the Jumping Brook runs along the western portion of the site. Residential uses are located to the east in the R-2 Zoning District, and public land is located to the north, west, and south in the LI Zoning District.

The Applicant was previously before the Zoning Board in 2015 (Application No. ZB#15/12) and was granted conditional use variance and minor site plan approval to install a new backup or emergency power generation system, including

associated switchgear and other equipment, to serve an existing Public Utility Facility known as the Jumping Brook Water Treatment Plant.

The Applicant is now seeking preliminary and final major site plan and conditional use variance approval to construct a new 14,000 sq. ft. (11,000 sq. ft. building footprint) Water Treatment Building and Clearwell south of the existing filter building and clearwell and control building, a 125 sq. ft. addition to the existing Residuals Building located along the northern property line, five (5) additional parking spaces, and a grass paver access drive. *Additionally, the applicant is proposing to construct a 265 sq. ft. building addition to the existing Treatment Building with an overhead roll-up door new rooftop mechanical equipment, a temporary meter pump shed, and a temporary storage tank and storage tank enclosure. The applicant is also proposing an 8 ft. high chain link fence to the east and west of the proposed Water Treatment Building, as well as a 20 ft. wide, 8 ft. high, double swing gate to the west of the proposed Water Treatment Building.* Associated site improvements include sidewalks, curbing, stormwater management, fencing, and improvements to the existing asphalt pavement and grass areas.

3. **Consistency with the Zone Plan**

The subject property is located in the LI Light Industrial Zone District. The purpose of the LI Zone District is to provide for light industrial uses, as well as office uses.

The existing Public Utility Facility is a conditionally permitted use in the LI Zone District, upon which all of the conditions associated with the use have not been met. The Applicant previously received d(3) conditional use variance approval in 2015 (ZB#15/12) to continue to permit the existing conditional use upon which all conditions have not been met.

The proposed 14,000 sq. ft. Water Treatment Building and Clearwell, and the 125 sq. ft. addition to the existing Residuals Building constitute an expansion of a **conditionally permitted use upon which all of the conditions associated with the use have not been met, requiring d(3) variance relief.**

4. **Public Utility Facilities Conditional Use Requirements**

- A. Site plans, specifications and a statement setting forth the need and purpose of the installation are filed with the board of jurisdiction. **The Applicant meets this requirement.**
- B. Proof is furnished that the proposed installation in a specific location is necessary and convenient for the efficiency of the public or private utility system or the satisfactory and convenient provision of service by the utility to the neighborhood or area in which the particular use is located.

Testimony should be provided regarding compliance with this condition.

- C. The design of any building utilized in connection with such facility conforms to the general character of the area and shall in no way adversely affect the adjacent properties. No building may exceed twenty (20) feet in height. **The existing and proposed buildings exceed 20 feet in height. The proposed building is 24 ft. in height, which is greater than 10% of the maximum permitted height, requiring a d(6) variance.**
- D. A continuous six (6') foot high board-on-board fence shall be provided to screen the public utility facility from public view and to ensure security. Other fence types which provide 50% visibility may be used, provided adequate, continuous landscaping is provided at the fence perimeter. Said plantings shall be evergreen, and shall be six (6) feet high at the time of planting. **A continuous 6-foot high board-on-board fence is not provided around the existing or proposed buildings, requiring a d(3) variance. Additionally, no landscaping plan has been provided to determine if landscaping around the fence perimeter is existing or proposed.**
- E. A structure associated with a public utility facility in a non-residential zone district may not be located closer than fifty (50) feet to residential property line. **The existing water treatment tanks along the eastern property line are located closer than 50 feet to the residential property line. This is an existing non-conformity.**
- F. Building or mounted lighting fixtures may be utilized, provided shielding is provided to reduce glare to adjacent properties. Motion-sensitive lighting is encouraged. **The Applicant meets this requirement.**
- G. Appropriate safety devices shall be provided at the public utility facility to ensure public safety. **Testimony should be provided regarding compliance with this condition.**

5. **Bulk and Zoning Requirements**

- A. The minimum required side yard setback is 25 feet, whereas the existing side yard setback is 11.81 feet. **This is an existing non-conformity.**
- B. As per §510B, conservation easements for wetlands, wetlands transition buffer, flood plain or flood plain buffer shall remain in their natural, undisturbed state within which no regrading or clearing shall be permitted, excepting the removal of minor underbrush or dead trees that are hazardous to people or buildings, whereas the Applicant is proposing development

within the existing conservation easement area along the southwestern portion of the site. **A waiver is needed.**

- C. As per §514B(5), surface painted aisle, stall and directional striping and directional and traffic safety signs shall be provided throughout the parking, loading and circulation areas, whereas no directional striping is proposed along the drive aisle between the new building and existing building. **A waiver is needed.**
- D. As per §502B(1)(a), except for buildings in planned commercial development, no building shall be permitted to have a total measurement greater than 150 feet in length along any wall, roof or footprint plane. Building wall offsets, including both projections and recesses, shall be provided along any building wall measuring greater than fifty (50) feet in length in order to provide architectural interest and variety to the massing of a building and relieve the negative visual effect of a single, long wall. The total measurement of such offsets shall equal a minimum of ten (10) percent of the building wall length. The maximum spacing between such offsets shall be forty (40) feet. The minimum projection or depth of any individual offset shall not be less than two feet. Roofline offsets shall be provided along any roof measuring longer than seventy-five (75) feet in length in order to provide architectural interest and variety to the massing of a building and relieve the negative visual effect of a single, long roof. **The Applicant has not provided floor plans for the proposed buildings to indicate the total length of each roof. The Applicant should revise the plans to better meet these requirements.**
- E. As per §502B(4), a flat roof may be permitted on a building of a minimum of two stories in height, provided that all visibly exposed walls shall have an articulated cornice that projects out horizontally from the vertical building wall plane. A mansard roof may be permitted, but only if such is located on the third story of a building, completely and integrally enclosing such story. Flat or mansard roofs shall be prohibited on all one-story buildings. **The Applicant is proposing a flat roof for a one-story building. The Applicant should revise the plans to better meet these requirements.**
- F. As per §509H, the base of all sides of a building shall be planted with foundation plantings consisting of evergreen and/or semi-evergreen shrubs and trees, whereas no landscaping is proposed around the proposed water treatment building. **A waiver is needed.**
- G. *As per §412.07.B.1(b)(ii), when such fences and walls are located more than fifteen (15) feet from a street line they shall not exceed six (6) feet in height, as measured from the ground level. Fence posts, corners,*

gateways, and wall piers and entryways shall not exceed seven (7) feet in height. The proposed chain link fence is 8 ft. in height. A variance is needed.

6. **Required Proofs for Variance Relief**

- A. ***D(3) Conditional Use Variance.*** The application requires a d(3) use variance for the approval of a use where the conditions upon which the permitted use is predicated have not been met. To meet the positive criteria for a d(3) variance, the Applicant should prove the particular suitability of the site in accommodating the use, despite its failure to meet the conditions set forth in the ordinance

The negative criteria should focus on the impact of the deviation, not the impact of the use. The Applicant must present evidence that the negative impacts of non-compliance with the conditions can be mitigated to the extent that the use will not cause a substantial detriment to the public good and will not substantially impair the intent and purpose of the zone plan and zoning ordinance.

- B. ***D(6) Height Variance.*** The application requires a d(6) use variance to permit a height of a principal structure which exceeds by 10 ft. or 10% the maximum height permitted in the district for a principal structure.

- 1) To meet the positive criteria for a d(6) variance, the Applicant should prove the particular suitability of the site in accommodating the use, despite the increase in height by over 10% of what is permitted in the zone district.
- 2) The negative criteria should focus on the impact of the deviation. The Applicant must present evidence that the negative impacts of non-compliance with the permitted height can be mitigated to the extent that the use will not cause a substantial detriment to the public good and will not substantially impair the intent and purpose of the zone plan and zoning ordinance.

- C. ***C Variances***

A number of “c” variances are required. There are two types of c variances with different required proofs.

- 1) Boards may grant a c(1) variance upon proof that a particular property faces hardship due to the shape, topography, or extraordinary and exceptional situation uniquely affecting the specific property.

- 2) Boards may grant a c(2) variance based upon findings that the purposes of zoning enumerated in the MLUL are advanced by the deviation from the ordinance, with the benefits of departing from the standards in the ordinance substantially outweighing any detriment to the public good. The Supreme Court's ruling in Kaufmann v. Planning Board for Warren Township provides additional guidance on c(2) variances, stating that "the grant of approval must actually benefit the community in that it represents a better zoning alternative for the property. The focus of the c(2) case, then, will be...the characteristics of the land that present an opportunity for improved zoning and planning that will benefit the community."
 - 3) C variances must also show consistency with the negative criteria as well.
- D. *A number of design waivers are required.* The Board has the power to grant design waivers as "exceptions" from the requirements of the Borough's Land Use Ordinance as part of site plan review under N.J.S.A. 40:55D-51(b), so long as the exceptions are reasonable and within the general purpose and intent of the provisions for site plan review and approval, if the literal enforcement of one or more provisions is impracticable or will exact undue hardship because of peculiar conditions pertaining to the land in question.

7. Site Plan Review Comments

- A. Plans show a delineation of a "Wetlands" and "50' buffer" lines. The LOI number and approval dates should be on the plans. New approvals may be required.
- B. The Applicant should address encroachments into Wetlands buffer areas and/or Conservation Easement.
- C. The Applicant should indicate the total area of the existing buildings on the site plans.
- D. The Applicant should provide testimony regarding compliance with all prior conditions of approval contained within any previous resolutions associated with the site and use.
- E. The Applicant should provide testimony regarding the existing and proposed uses on the site, including the hours of operation, the total number of employees and the number per shift, the anticipated traffic mix, on-site pedestrian and vehicular circulation, any overnight storage of vehicles, any outdoor storage, the frequency, time and types of deliveries to be made to

the site, and the type of refuse to be generated on site and how it will be disposed of.

- F. The Applicant should clarify the total area of the proposed addition to the existing Residuals Building. The application description indicates the addition will be 125 sq. ft., whereas keynote #25 on the site plans indicates the addition will be 280 sq. ft. (14' x 20').
- G. The Applicant indicates five (5) new parking spaces are proposed, whereas only four (4) new spaces are depicted in the plan. The Applicant should clarify the total number of parking spaces proposed.
- H. The Applicant should indicate if any new monument or wall signage is proposed and provide details of such.
- I. The Zoning Table in the Site Plan should be updated to include any bulk requirements particular to the conditional use.
- J. *The total area of the building addition to the existing Treatment Building should be confirmed. The Response Letter dated September 13, 2023 indicates the proposed building addition will be 365 sq. ft., Note #39 on Sheet CS101 of the revised Site Plan indicates it will be 265 sq. ft., and the total area on the plans appears to be approximately 752.5 ft. (21.5 ft. x 35 ft.).*
- K. *The applicant should provide testimony as to the purpose of the additional 8 ft. high fence and gate and provide construction details of such.*

8. **Grading and Drainage**

- A. The project disturbance is over one (1) acre of land disturbance and increases the amount of impervious coverage by more than 0.25 acres, therefore, the project must comply with NJDEP Best Management Practices with regard to green infrastructure, TSS Removal, groundwater recharge and stormwater quantity reduction.
- B. The Applicant is proposing grass paver and underground detention basin to address the increase in impervious coverage as follows.
 - 1) “Green Infrastructure” has been addressed.
 - 2) “Groundwater Recharge” requires calculation as per Ordinance 21-07 Section IV.P.2.i.

- 3) "TSS Removal" has been addressed.
- 4) "Stormwater Runoff Quantity Standards" design requires a "Waiver" for 2-year storm event, where maximum of 0.56 CFS is permitted, and 0.98 is proposed.

We recommend expanding the detention system to eliminate this waiver.

- C. Ordinance 21-07, Section IX, Part A, (1) requires whenever an Applicant seeks Municipal approval of a development subject to this ordinance, the Applicant shall submit all of the required components of the checklist for Site Development Stormwater Plan at Section IX.C below as part of the submission of the application for approval. The Applicant shall submit a compliance checklist as required.
- D. The Applicant shall provide a stormwater maintenance manual in accordance with the NJDEP BMP standards. Within the manual, the following maps (11" x 17") shall be provided:
 - 1) Grading Plan
 - 2) Drainage and Utility Plan
 - 3) Landscape Plan and Details
 - 4) Soil Erosion Seeding Notes
- E. The following notes shall be added to the Grading and Drainage Plan:
 - 1) Stormwater management facilities shall be regularly maintained to ensure they function at design capacity and to prevent health hazards associated with debris buildup and stagnant water.
 - 2) Responsibility for operation and maintenance of the stormwater facilities, including periodic removal and disposal of accumulated particulate material and debris, shall remain with the owners or owners of the property. Maintenance shall follow the operations maintenance manual approved by the Neptune Township Planning Board.
 - 3) In the event that the facility becomes a danger to public safety or public health, or if it is in need of maintenance. The owner shall affect such maintenance and repair of the facility in a manner that is approved by the Township Engineer.
- F. As outlined under Ordinance 21-07, Section IV, Part M – Any stormwater Management Measure authorized under the Municipal Stormwater Management

Plan or Ordinance shall be reflected in a deed notice recorded in the Office of the Clerk of the County of Monmouth. The Township will require quarterly reports of drainage maintenance as compliance of this approval and Maintenance Manual.

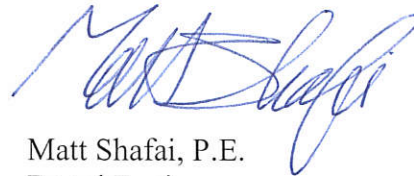
9. **Conditions of Approvals**

- A. NJDEP Wetlands and Permits
- B. Freehold Soil Conservation District
- C. Monmouth County Planning Board
- D. Posting of the Performance Bonds and Inspection Fees
- E. Developer's Agreement
- F. Tree Removal Permit

Please be advised that additional comments may follow upon completion of testimony and/or submission of further revisions by the Applicant. Should you have any questions regarding this matter, please do not hesitate to contact our office.

Very truly yours,

LEON S. AVAKIAN, INC.



Matt Shafai, P.E.
Board Engineer



Jennifer C. Beahm, P.P.
Board Planner

MS:clb:icr/mcs
cc: Monica Kowalski, Esq., Board Attorney
NJ American Water Company, Inc., Applicant
Joseph N. Bongiovanni, PE, Applicant's Engineer
Niall J. O'Brien, Esq., Applicant's Attorney
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