



WATER USAGE NARRATIVE FOR WESTTOWN SCHOOL – OAK LANE PROJECT

September 27, 2023

The Westtown School is proposing to construct two (2) new synthetic turf athletic fields, one of which is proposed to be lighted, along Oak Lane - a location within the school campus where existing athletic fields and facilities presently exist. A new support building having team rooms, four (4) family/unisex restrooms, an elevator, and storage space is proposed as well as a new 93-space off-street parking facility. The proposed support building will be served by the campus water system (private) and public sewer. Based on recent discussions between the project's architectural team and code officials, we understand that a fire suppression system will not be required to be installed within the Support Building.

Potable water for the new restroom facilities within the Support Building will be extended from an existing private 4" water main located to the south of the adjacent athletic fields. This water main presently serves the nearby farm, farmhouse, and other school facilities located on the west side of the campus. Given that the anticipated water usage is quite low for the new Support Building, a 1-inch lateral will be extended from the existing main to the building.

Because the Westtown School is a boarding school, student athletes who will predominantly use the new restroom facilities are already residents of the campus, and therefore we do not expect there will be additional usage/consumption. The School presently rents portable toilets for large events and tournaments and expects to continue to do so given that the Support Building was not designed nor intended to serve as a comfort facility for large events.

A below-grade yard hydrant is proposed between the two new synthetic turf athletic fields and will be used for routine maintenance of the synthetic turf. An above grade hydrant is proposed at the new Softball Field backstop/dugout area, which is intended to be used to fill the teams' water jugs and occasionally for field maintenance.

None of the above-described water usage is new or expanded usage. The student body is not expanding, and the Westtown School's student athletes are presently using the existing Oak Lane fields, which periodically require water for maintenance activities. Based on the foregoing, it is our opinion that the Westtown School's existing well and potable water system are sufficient to serve the proposed Oak Lane athletic fields and facilities.

1091-001 Oak Lane Project\Project Files\Project Documents\Civil\Wastewater\2023-09-27 Water Narrative.docx

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