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VIA ELECTRONIC MAIL

April 26, 2024

Commonwealth of Pennsylvania
Pennsylvania Public Utility Commission
Commonwealth Keystone Building
400 North Street
Harrisburg, PA 17120

RE: File: A-2024-3047184
PAWC – N. 11th Avenue Amtrak Bridge
Caln Township
ARRO No.: 11243.66

To Whom it May Concern:

On behalf of Caln Township, ARRO has completed a review of the Permit Plan for the Pennsylvania Water Company water main installation at the N. 11th Avenue Amtrak Bridge. The Plan proposes installation of a new underground 16-inch ductile iron water main within North 11th Street, beneath the overhead Amtrak bridge.

I. SUBMISSION

The following information was received by ARRO:

- N. 11th Avenue / Amtrak Bridge No. 37/54 Water Main Installation Permit Plan, consisting of four (4) sheets, dated December 21, 2023, last revised March 28, 2024, and prepared by Hydraterra Professionals LLC (Plan).

II. REVIEW COMMENTS

ARRO offers the following comments for consideration:

1. The proposed trench will undermine a relatively long section of existing storm pipe (more than 40 ft in length). The Applicant shall provide detailed notes specifying the protection and/or restoration of the storm drainage system. Note 14 on sheet 3 requires hand excavation beneath the existing RCP storm pipe. Due to the angle and length of the proposed crossing, it appears that the proposed excavation will dislodge the existing RCP pipe which is expected to be in sections much shorter than the excavation. Placing workers within the trench near the existing pipe may be unsafe.

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2. Concrete encasement shown on the profile is shown to be significantly shorter than the affected section of storm sewer, which appears to be inconsistent with the detail on sheet 4.
3. The Plan is inconsistent as to the spacing between the proposed water main and the existing storm sewer. The profile on sheet 2 specifies a minimum of 18 inches of separation, but elevations on the plan and section A-A show only about 12 inches of separation between the pipes.
4. A road opening permit must be obtained for all work within Caln Township street(s) as required by the streets and sidewalks ordinance. The proposed mill and overlay area shown on the plan and the pavement restoration section are both inconsistent with Caln Township requirements for restoration. The Applicant shall review and conform to requirements of Caln Township Streets and Sidewalks Ordinance, Chapter 134, Article II, Street Excavations. Additional requirements may be included in the permit.
5. Additional comments may be provided as additional information is provided by the applicant.

Please do not hesitate to contact me via email at lowell.leaman@arroconsulting.com or by phone at our West Chester office with any questions.

Sincerely,



Lowell Leaman, P.E.
ARRO Consulting, Inc. – Township Engineer

LBL:law

c: Raymond Stackhouse – Director of Building and Life Safety
Kristin Camp, Esquire – Township Solicitor
Elizabeth Nagy – Planning Commission Secretary
Pennsylvania American Water (kelly.kowalski@amwater.com)
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Karl Schmit – ARRO