

June 30, 2023

Amelia Wehunt, PE
Timmons Group
1001 Boulder Parkway, Suite 300
Richmond, VA 23250

**RE: Richmond International Airport-Wash Building
1 Richard E Byrd Terminal Dr
POD2023-00147**

Dear Ms. Wehunt:

The Department of Public Utilities has completed a review of the water and sewer plans that are part of the plan of development submitted to the Planning Department on June 12, 2023.

Please address the following comments before submitting the construction plans for signature.

Cover Sheet:

1. Update the Water and Sewer Material Quantities per the plan comments.
2. Include "Utility Plan" in the construction plan title on the cover sheet.
3. The design basis on the Water and Sewer Calculation should be evaluated using 10GPD/vehicle per VDH as the source. Update the Water and Sewer Calculations and resubmit for review.

C5.0 (Utility Plan):

4. Per the comment letter response dated June 9, 2023, the water lines shown on the plan is designed to be private and the Airport will convert the private water lines in this area to be public with easements under a separate project, at a later date. Since the water line is private, DPU recommends removing all the bends in the water line, extend the 8" water line to terminate at the Private Paved Rd, and install the fire hydrant at the entrance to the Private Paved Rd.
5. Relocate the meter connection before the fire hydrant for adequate flushing of the water main.
6. Fire hydrants should be installed no more than 7' from the back of curb.
7. Is the distance labeled from the proposed water main from the face or back of curb? Clearly identify on the plans.
8. To minimize infiltration and inflow from rain and snowmelt into the carwash bay sanitary sewer drains, provide the following on the utility plan sheet:
 - a. A 2.5% slope in the parking lot grade away from the entrance and exit of the wash bay for at least 20 feet or provide a trench drain.

Sheet 5.12:

9. Provide detail D-525 on the construction plans.
10. Only the enclose structure needs to be evaluated on the Fire Flow Estimate form. Review and revise as necessary.

Sheet 5.30:

11. Update water profile per plan comments.
12. Provide a minimum of 3.5' of cover over the water line.

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If you have any questions concerning the above noted comments or the plans, please contact me at 501-4508 or John Yi 501-4511.

Sincerely,

A handwritten signature in blue ink, appearing to be 'ATP' or similar, representing Alice Thompson.

Alice Thompson
Utilities Engineer

cc: John Rutledge, Capital Regional Airport Commission

bc: Marchelle Sossong
Daniel Ivy

ANT/djm