

Engineering has reviewed the plans for the Independence Mall project submitted June 21, 2019 and have the following comments:

Stormwater Management Permit Application Form

1. II. Permit Information:
 - a. #1: This redevelopment project qualifies as a High Density project. Drainage Plan is incorrect.
 - b. #2: The project is currently covered by a City Stormwater Permit...2000007. Please add this to the application.
2. IV. Project Information:
 - a. #6, #7 & #8: Based on the Contextual Site Plan and the delineated project limits, all existing impervious surface is not being demolished as listed in the application. Please verify.
 - b. #13: Complete Total Newly Constructed Impervious Surface (#9 + #12).

Narrative and Calculations

3. The Stormdrain System pipe calculations do not appear to include all of the new structures. The Inlet Table appears to list all of the structures, but the Pipe Table does not. Please verify.
4. Minor discrepancy with structure 115, is it a MH or a DI?
5. Pipe MH-115/MH-116 (Label CO-9) is listed as a 28" pipe.
6. Rims and Inverts in the Pipe Table are not consistent with the same information listed in the plans.

Permit Drawings

7. Some existing pipes that are part of the redevelopment project do not have labels for pipe size or material.
8. Provide an inlet drainage area map(s) at a more legible scale. It is difficult to differentiate the individual drainage areas from one another. Drainage areas need to be labelled, delineated and listed on the plan sheet.
9. It is difficult to see a few of the proposed drainage structures, DI (71) for example on sheet 14.

Please submit one complete set of plans, stormwater narrative, application, and all other supporting documentation to Engineering for additional review. Please call or email if there are any questions. Thank you.