

July 20, 2016

Aaron Breed, P.E.
Balzer and Associates, Inc.
15871 City View Drive, Suite 200
Midlothian, VA 23113

RE: Happy Boxes Staples Mill Road
8701 Staples Mill Road
File No. 5227; POD2016-00226

Dear Mr. Breed:

We have reviewed the construction plans submitted to the Department of Public Utilities on July 14, 2016.

Please address the following comments and **resubmit revised construction plans** for review. Water and Sewer Agreements that must be executed by the Owner and the County for water and sewer improvements **have not** been executed.

General:

1. Owner to submit executed Utility Agreements **prior to approval of building permits or prior to the utility pre-construction meeting and authorization to proceed with utility construction** by DPU.

C01 (Cover Sheet):

2. P.E. Seal with original signature and date is required on the Cover Sheet. A facsimile of seal, signature and date is acceptable on all other sheets.

C04 (Utility Plan):

3. Provide a field verified existing invert in elevation at manhole 261SE012. Coordinate with DPU Operations to access manhole if assistance is needed. Verify size of existing sanitary sewer lateral and indicate whether lateral connection opening will need to be cored to a larger diameter opening to accommodate the proposed 6" lateral.
4. Sanitary lateral should match crowns with the 8" sanitary sewer main invert out elevation.
5. Sanitary lateral within Janway Road shall be 2.08% slope up to the right of way line. The remaining portion to the building can be installed per Building Code.
6. Provide an extra arrow for the callout note "proposed cleanout (traffic rated)" to point to the proposed cleanout at the entrance 35' north of the existing manhole 261SE012.
7. Restrain 8" gate valve west of the 8 x 8 tee to the tee in Janway Road so that future extension of this line will not result in widespread service outage.
8. Show locations of any vertical waterline adjustments on the plan view and include standard vertical waterline adjustment detail (D-485) in the plans.

C08 (Profiles):

9. All 8" waterlines shall be profiled in accordance with VDH Waterworks Regulations. Show crossings with underground power line and gas line in addition to storm sewer crossings. Maintain waterline at a

that will allow the hydrant lead to cross under the large storm sewer without a vertical bend in the hydrant lead.

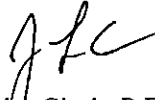
10. Revise size of sanitary lateral on storm sewer profile to be 6". Verify actual outer diameter separation between the lateral and storm sewer at point of crossing based on field verified invert information at manhole 261SE012.

C19 (Approval Letters):

11. Revise the block title to include "utility details" since the detail for the traffic rated cleanouts is included in this sheet.

If you have any questions concerning the above noted comments or the plans, please contact me at 501- 4501, or Ireini Botros at 501-4512.

Sincerely,



John Clark, P.E.
Utility Engineer

cc: Angela Reagan, Suburban Management Group, Inc.
bc: R. Claytor
I. Botros, A. Seal
M. Ward, Planning
INB/mab