



Ontario County Public Works

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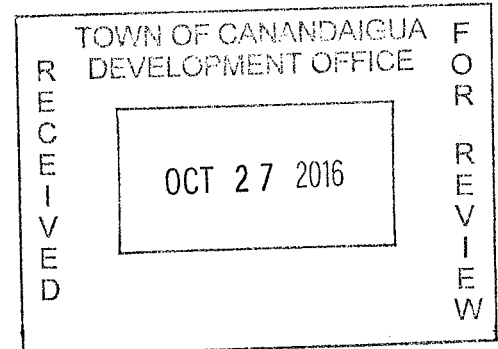
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HIGHWAYS ~ ENGINEERING ~ WASTEWATER SYSTEMS & SEWERS ~ BUILDINGS & GROUNDS ~ PARKS ~ PUBLIC WORKS FINANCE

October 24, 2016

Richard Tiede
Marathon Engineering
39 Cascade Drive
Rochester, New York 14614

Re: Lakewood Meadows – Section 9B



Dear Mr. Tiede:

We have received plans for the above referenced project, dated July 15, 2016, having a latest revision date of July 22, 2016, received in this office on August 15, 2016 and offer the following comments. As this is our first review of the application and plans, our comments should be considered preliminary and by no means final.

UTILITY PLAN – SHEET 1

1. The grades listed in the Sanitary Structure Table do not match the pipe notations shown on the plan.

UTILITY PLAN – SHEET 2

2. Verify that the existing inverts of the two existing tie-in manholes (SA-EX2.1 & SA-EX5) are actual as-built elevations and not the original design invert elevations.
3. Realign the sewer or add a manhole between SA-2.3 & SA-2.4 so that the distance between manholes does not exceed 300 feet.
4. Provide a Storm & Sanitary Structure Table.
5. Provided the sewer main-to-face of building distance is not more than 90', the only cleanout necessary is one adjacent to the outside face of the structure (the lateral for Lot 926 will require a second cleanout upstream of the bend).
6. The invert elevation of the cleanout for Lot 933 is approximately six inches low.
7. Fix the typos in note numbers 4 & 5.

PROFILE – ST. JAMES PARKWAY

8. Based on the rim and invert elevations shown, manholes SA-6, SA-12 & SA-12.1 are all over fourteen feet in depth, and are therefore required to be 5' in diameter.

PROFILE – WOODVINE RISE

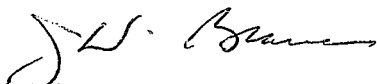
9. Revise the designation of the existing/tie-in manhole to be SA-EX2.1 to match the Plan.
10. Based on the rim and invert elevations shown, manholes SA-2.1, SA-2.2, SA-2.3 & SA-2.5 are all over fourteen feet in depth, and are therefore required to be 5' in diameter.
11. Consider designing the sanitary sewer with a minimum grade of 0.6% as opposed to 0.4%. Doing so would allow easier installation (and correction if necessary), provide better flows, and eliminate the need for the manholes to be 5' diameter.

CONSTRUCTION DETAILS

12. Replace the Sanitary Sewer Manhole Detail and Notes with the recently revised detail and notes provided.
13. Based on the approximate cleanout invert elevations shown on the Plan, it appears that lateral risers are not being installed – please remove the Sanitary Sewer Lateral Riser Detail.
14. Remove the New Lateral Connection To Existing Sewer Main detail, as it only applies to cutting in new laterals to an existing sewer main.

Please make the revisions as noted and resubmit to our office. If you have any questions or concerns, please contact me at (585) 396-4049.

Sincerely,


John D. Braun
Junior Engineer, CLCSD

Enc.

cc: John E. Berry, P.E., Deputy Commissioner of Public Works (w/o enc.)
Doug Finch, Director of Development, Town of Canandaigua (w/o enc.)