

CITY OF NEWTON  
Department of Public Works  
ENGINEERING DIVISION

Memorandum

To: Councilor Alison Leary, Facilities Committee Chair.  
From: John Daghlian, Associate City Engineer  
Re: 2Life -Opus 667 Winchester Street  
Date: March 18, 2022  
CC: Jim Mcgonagle, Commissioner  
Shawna Sullivan, Chief of Staff  
Lou Taverna, PE City Engineer  
Thomas Fitzgerald, Director of Utilities  
Doug Valovcin, Deputy Director  
Cassidy Flynn, Associate City Clerk

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In reference to the above location, the following are my comments for a plan entitled:

*2Life – Opus  
Sanitary Main Plan  
667 Winchester Street  
Prepared by: Stantec  
Dated: 3-1-2022*

Executive Summary:

As part of the Special Permit that was granted for this site a sanitary sewer main extension is needed to provide service for the development. The plan indicates a main extension beginning at the existing sanitary sewer manhole at the intersection of Winchester Street & Nahanton Street be extended northerly +/- 305 feet with 8-inch PVC pipe and 4 new manholes.

The applicant is funding 100% of the construction costs. Winchester Street is under a 5 -year moratorium, as such once the new sewer main is installed, tested, and approved by the City Engineer the road shall be milled and overlaid with Super Pavement the City's standard from

curb line to curb line for the entire limits of the construction. Due to the volume of traffic a minimum of two Police Officers will be required during construction.

Final construction plans need to be stamped by Massachusetts Professional Engineer and the following notes and details must be added to the plan. Prior to any construction a Traffic Management Plan will be required for review and approval by the Traffic Division & Police Department. A preconstruction meeting will be required with the DPW, Newton Police & Utilities and the contractor of record prior to commencement. Early construction ahead warning signs, variable message boards and neighborhood notifications shall be executed two weeks prior to the start of construction.

Conditions & Special Provisions:

1. Finalized utility connection plan reflecting these changes that meets the minimal design standards of the City of Newton must be submitted for approval.
2. The contractor of record shall apply for a Utility Connection, Street Opening & Trench Permits with the DPW prior to any construction with appropriate Bonds, Certificate of Insurance & Dig Safe clearance. The Utilities Division must be contacted for utility mark outs as the City is not a member of Dig Safe call 617-796-1640. *(This note shall be on the final construction plans).*
3. The proposed PVC pipe shall be replaced with 8” SDR-35 PVC pipe.
4. If any service connections or private utilities are disturbed by the contractor of record during construction, they shall be updated and replaced to the City’s current Construction Standards. *(This note shall be on the final construction plans).*
5. All downstream catch basins shall be retrofitted with an approved type of siltation control devices, details of this shall be submitted to the City Engineer for approval. The contractor of record shall maintain these catch basins throughout the construction process and ensure that street and property flooding does not occur during construction. *(This note shall be on the final construction plans).*
6. The proposed main and service connections shall be pressure tested in accordance with the City’s Construction Standards. A representative of the Engineering Division shall witness the testing, 48-hours prior notification shall be given to the inspection. *(This note shall be on the final construction plans).*
7. All sewer manholes shall be vacuum tested in accordance with the City’s Construction Standards & Specifications. *(This note shall be on the final construction plans).*

8. The sewer service connection to the building be pressure tested, manhole(s) vacuum tested, and video inspected prior to coming online and witnessed by the DPW. All testing **MUST** be witnessed by a representative of the Engineering Division. A Certificate of Occupancy will not be recommended until this test is completed and a written report is received by the City Engineer. *(This note shall be on the final construction plans).*
9. Pedestrian access around the construction zone shall be accommodated by the contractor for the duration of the construction in accordance with the DPW requirements. *(This note shall be on the final construction plans).*
10. The contractor shall prepare a dewater plan ahead of the preconstruction in anticipation of groundwater being encountered, submitted for approval. *(This note shall be on the final construction plans).*
11. The test results shall be submitted in type written report format to the City Engineer. *(This note shall be on the final construction plans).*
12. Details of precast concrete manhole are needed.
13. A detail of the manhole's invert table is needed.
14. Any existing clay stub at the existing sewer manhole shall be replaced with SDR35 PVC pipe.
15. Upon final installation & testing of the sewer system an As Built drawing [plan & profile] indicating rim, invert elevations, and slopes shall be submitted in digital and hard copy format to the City Engineer. *(This note shall be on the final construction plans).*

The Engineering Division makes no representations and assumes no responsibility for the design(s) in terms of suitability for the particular site conditions or of the functionality or performance of any items constructed in accordance with the design(s). The City of Newton assumes no liabilities for design assumption, error, or omissions by the Engineer of Record.

If you have any questions or concerns, please call me at 617-796-1023.