

**MEMORANDUM**

Date: January 15, 2020
To: Mike Mrosla, Community Development Manager/City Planner
From: David Swearingen, Senior Engineering Technician
Todd Blomstrom, Interim Public Works Director/City Engineer
Subject: Boston Scientific Bldg. 10 RTC Dock Addition - Engineering Plan Review

This memorandum summarizes engineering review comments for the “City Submittal” copy of construction plans for Boston Scientific Bldg 10 – RTC Dock Addition prepared by RSP Architects dated December 16, 2019.

GENERAL LAYOUT COMMENTS

1. A Grading and Erosion Control Permit from the City of Arden Hills will be required due to land disturbance exceeding 2,500 square feet.
2. A Right of Way Permit is required before any modifications to the existing curb.
3. A Sewer Permit is required before modification to the existing sanitary structure.
4. Please provide a thorough description of trucking operations including the estimated number of trucks per day, vehicle types, turning movements, and staging. Overnight on-street parking along Innovation Way is not allowed by City Code 800.03.
5. Provide wetland delineation documentation for “Wetland 12” as depicted on Sheet C1. Add grading details at storm sewer outfall location.
6. Show right of way boundary lines for Innovation Way on Sheet C1.
7. Show dimensions of driveway opening at the street curb line for Innovation Way and adjust driveway opening width in conformance with City Code 1325.06, Subd 3.
8. Install a concrete apron across the proposed driveway opening, connecting existing curb to the north and south of the driveway. Repair all street pavement and curb damaged during construction.
9. Label detail plate codes on Sheet C1.
10. Provide design details and specify materials for proposed block retaining wall.

GRADING AND EROSION CONTROL

1. Provide method of final soil stabilization and turf establishment.
2. City inspector may request additional or modifications to BMPs as needed.

UTILITIES

1. Verify minimum cover of 7.5-feet over the existing 16-inch diameter watermain along Innovation Way within the proposed project area.
 - a. There shall be no excessive loading or excavation greater than 12-inches over the 16-inch watermain without prior written consent from the City Engineer.
2. Verify location of gate valve for the 8-inch diameter water service crossing the proposed project area. Due to the critical importance of the existing 16-inch diameter water main, a fully functioning isolation valve is required on the existing 8-inch diameter water service east of the proposed project area prior to the start of construction.
3. A riser section must be installed if adjustment rings exceed 12-inches on sewer structures. Verify number of existing adjustment rings on manholes within project area.
4. Existing 6-inch diameter sanitary service must be temporarily plugged with bypass pumping during sanitary sewer construction.
5. Verify sufficient grade for new sanitary sewer alignment during construction.

Provide invert elevations on as-built drawings submitted to the City.
6. Existing catch basin located in the south boundary of the proposed street connection is not located in proposed curb line. Narrow driveway opening to match existing curb line in Innovation Way to the north of this catch basin or provide detail for reconstruction of catch basin.
7. Show new location of light pole denoted as “relocate light pole”.
8. Add Insulation detail provided by the City of Arden Hills.
9. Add Sanitary structure detail provided by the City of Arden Hills.

HARD SURFACE

1. Label type of curb, proposed and existing.
2. Driveway apron and depressed curb to be constructed of concrete.
 - a. Provide detail plate.
 - b. Draw on Sheet C1.

The applicant should respond in writing as to how the above comments will be addressed.