

CITY OF NEWTON
Department of Public Works
ENGINEERING DIVISION

MEMORANDUM

To: Council Rick Lipof, Land Use Committee Chairman

From: John Daghlian, Associate City Engineer

Re: Special Permit – Riverside

Date: June 15, 2020

CC: Barney Heath, Director of Planning
Jennifer Caira, Deputy Director
Lou Taverna, PE City Engineer
Jini Fairly, ADA Coordinator
Nadia Khan, Committee Clerk
Neil Cronin, Chief Planner
Michael Gleba, Sr. Planner
Katie Whewell, Sr. Planner

In reference to the above site, I have the following comments for a plan entitled:

Preliminary Construction Management Plan (CMP)

Prepared by:

Updated: 5/8/20

Executive Summary:

The various figures in the report do not have a north arrow, this should be added to each figure for clarification; for reference in this memo north is towards the right of each figure, Grove Street runs in a north south direction.

The proposed temporary construction entrance/exit (fig. 2) is very close to the MBTA bridge and at the curvature of Grove Street, sight distance is an issue especially for motorist traveling south on Grove Street, even with a Police Detail at this location, safety of motorist and

construction vehicles is a concern; the proposed entrance/egress should be shifted further southerly to provide better sight distance.

ADA needs and access during construction is needed along with proper temporary lighting of pathways to the bus & trolley throughout construction as is access for 911 vehicles.

During these phases access to fire hydrants on site need to be provided and identified on a plan and submitted to the Fire Department. Hydrants on site should have clear access and delineators (high visibility posts) for easy identification.

During the offsite improvements when sidewalks within the public right of way are being constructed when undergrounding of overhead utilities occur, temporary protected walkways and proper lighting & signage will be needed, a separate pedestrian circulation and access plan must be developed and submitted for review.

As a large volume of cement concrete will be consumed for the project, I am recommending that the applicant consider having a concrete batch plant on site in lieu of offsite trucking of ready-mix cement concrete deliveries.

Figure 5 construction fencing with a shroud along the perimeter of the site along Grove Street will be needed to provide safe passage of pedestrians and reduction of dust migration.

Page 6 (fig. 6) indicates “a secondary construction vehicle access will be created for building #7 via Grove Street, however this is not shown where it is planned.

The plan indicates that “limited ledge removal will be required during the site work phase of the project”; however, it does not indicate if *on-site rock crushing operation* is planned. Rock crushing is a very loud and dusty process that needs to be addressed. The blasting contractor must be made aware of the active MWRA water transmission main that traverses the site, during blasting the MWRA will require a representative to be on site and monitor the activities to safeguard this main. Additionally, there are several small water line that crisscross the site and need to be monitored.

Emergency Evacuation System:

The Riverside MBTA Station is part of the Federal & State Emergency Evacuation System, it is imperative to note that the Station access must never be hindered during construction process. The applicant and all contactors shall coordinate construction activity with the City’s Emergency Response Teams.

Utility Relocation:

DPW will require a separate utility abandonment plan to clearly identify existing utilities that will be abandoned (removed from the site) or relocated. A large-scale plan will be needed to clearly identify these utilities the 1:40 scale plans are convoluted and need clarification.

General:

1. Stabilized driveway construction entrance(s) will be required for the duration of the construction which will provide a truck wash to prevent tracking of mud and silt onto City streets.
2. Catch basins within and downstream of the construction zone will be required to have siltation control installed for the duration of the project and must be identified on the site plan.
3. As the site disturbance will be greater than 1 -acre a Stormwater Pollution Prevention Plan (SWPPP) will be required prior to any construction, in addition to a NPDES Construction General Permit.
4. All trench excavation shall comply with Massachusetts General Law Chapter 82A, Trench Excavation Safety Requirements, and OSHA Standards to protect the general public from unauthorized access to unattended trenches or excavations. Trench Excavation Permit is required prior to any construction. This applies to all trenches on public and private property. *This note shall be incorporated onto the final plans.*
5. The contractor of record is responsible for contacting the Engineering Division and scheduling an appointment 48-hours prior to the date when the utilities will be made available for an inspection of water services, sewer services and drainage system installation. The utility in question shall be fully exposed for the Inspector to view, backfilling shall only take place when the City Engineer's Inspector has given their approval. *This note shall be incorporated onto the final plans.*
6. All site work including trench restoration, sidewalk, curb ,apron and loam border (where applicable) shall be completed before a Certificate of Occupancy is issued. *This note shall be incorporated onto the final plans.*

7. The contractor of record shall contact the Newton Police Department 48-hours in advanced and arrange for Police Detail to help residents and commuters navigate around the construction zone.
8. If any changes from the final approved design plan that are required due to unforeseen site conditions, the contractor of record shall contact the design engineer of record and submit revised design and stamped full scale plans for review and approval prior to continuing with construction.

Note: If the plans are updated it is the responsibility of the applicant to provide all City Departments [ISD, Conservation Commission, Planning and Engineering] involved in the permitting and approval process with complete and consistent plans.

If you have any questions or concerns, please feel free to contact me at 617-796-1023.