Functional Servicing Memo
Front Road Fire Hall Substation - 2200 Front Road

December 7th, 2022

Introduction

This servicing memo was prepared to provide the necessary information to confirm adequate servicing is available for the construction of a new Fire Hall Substation located at 2200 Front Rd.

Storm Servicing

There is an existing 600mm storm sewer running along Old Front Rd, that outlets directly into the Detroit River. The storm sewer is currently sized to accept the storm flows from the site at a release rate that was in place for the previous use of the site.

The previous site was comprised of the arena building, old office building, and paved parking lot. The new site will be comprised of a similar amount of hard surfaces. Any additional storm water management quantity control can be obtained through on site storage.

Quality control will be handled through an appropriately sized Oil-Grit Separator (OGS) as part of the civil site design.

Sanitary Servicing

The property is currently serviced with a 150mm sanitary connection that connects to a 200mm sanitary sewer on Old Front Rd. This existing connection will adequately service the proposed site.

Watermain

The 200mm watermain that runs along the west side of Front Rd will be used to service the new site. A new 50mm service will be run from the road to the new building. The size of the service will be verified through detailed mechanical design. Existing services to the site for the previous arena building will be abandoned.

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Traffic

The main access for the site for both emergency vehicles and staff vehicles is on Old Front Rd. The egress for emergency vehicles is onto Front Rd, which allows those vehicles to directly access an arterial road on an emergency call. The egress for staff vehicles is back onto Old Front. Those vehicles can use the intersection at Front Rd, or the signalized intersection at Wahneta to exit the local street.

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