



# City of Methuen, Massachusetts

## Department of Public Works

### Engineering Division

The Searles Building, 41 Pleasant Street, Room 206  
Methuen, Massachusetts 01844  
Telephone (978) 983-8550 Fax (978) 983-8978

Neil Perry  
*Mayor*

May 9, 2022

To: Community Development  
City of Methuen  
*SJD*

From: Stephen J. Gagnon, PWM  
Engineering Department Administrator

Subject: Raising Cane's Chicken Fingers  
90 Pleasant Valley Street  
Site Plan Review

As requested, I have reviewed the plan set, undated, Drainage Report, dated April 5, 2022, and Traffic Memo, dated April 15, 2022, all prepared by Bohler. Based on my review of the above I have the following comments to offer:

#### General

1. Construction of the proposed drive thru will block access to the west side of the Margarita's site. Arrangements should be made, prior to construction, to relocate or provide access to the features on the west side of Margarita's.
2. It is not clear if an HP ramp is provided at the south end of the crosswalk of the east side of the site.

#### Water

1. The plan set depicts the existing water main approximately 22' from the building footprint. Should the actual water main location be 10' or less from the building footprint, relocation of the water main will be necessary to provide adequate offset.
2. The proposed water connection at the existing main should be depicted with an 8" X 6" tap sleeve and gate.
3. Curb stops should be provided near the building for the 2" domestic and 6" fire connection.

## Sewer

1. Grease trap sizing calculations should be provided. These calculations should reflect 2005 of the kitchen design flow of 15 gallons per seat.
2. The plan depicts the proposed sewer service connection entering the sewer main with a proposed sewer manhole. Typically, the service connection would enter the main with a tee/wye connection. I understand some corporations require sanitary sewer connections to enter manhole. If this is the case no revision is required, otherwise provide a tee/wye connection.

## Drain

1. According to the Drainage Report the inlet to the infiltration system will be submerged in all storm events. City standards do not allow submerged drainpipes.
2. Test pits will be required in accordance with the DEP Stormwater Manual to confirm the in-situ infiltration rates are as anticipated.
3. The site plan depicts several 10" diameter roof drains entering a single 8" diameter drain. The required capacity of the 8" pipe should be confirmed.
4. The site plan depicts re-routing a portion of the existing drainage system. An analysis of the proposed drain should be provided to confirm it has equal or greater capacity.
5. The drainage system O & M schedule does not include the water quality units. The schedule should be adjusted accordingly.

The Project Engineer should address these issues in writing.