



CITY OF CONCORD
New Hampshire's Main Street™
Community Development Department

David Cedarholm, PE
City Engineer

REPORT TO MAYOR AND THE CITY COUNCIL

FROM: David Cedarholm, PE, City Engineer
DATE: June 1, 2021
SUBJECT: Addendum to the City of Concord's 2020 Construction Standards & Details

Recommendation

Accept this report informing the Council of an addendum to correct and/or clarify ambiguous information in the City's current Construction Standards & Details.

Background

The City's Construction Standards & Details (Standards) were last updated and accepted by City Council in January 2020. Since then certain sections have been identified as needing correction and/or clarification of ambiguous information regarding water services and driveway culverts. An electronic version of the 2020 Standards is available on the Engineering Services Division's webpage.

The language in this report is to serve as an addendum to the Standards. The changes shall be formally incorporated in the Standards during a future update.

Discussion

The following proposed language is to become part of the Standards by addendum as revised/amended below:

1. Water Service and Main Pressure Testing:

- Amend Section 5 (Water Systems), subsection 03.D. by adding new sub-item 18 to read as follows: “New or replaced water services shall be constructed of all new components including tap at main, piping, valves, fittings, etc., from the water main to the water meter.”
- Amend Section 5 (Water Systems), subsection 05.C. by adding new sub-item 4 to read as follows: “The Contractor and Owner are financially responsible for the condition and performance of components used in any pressure test.”

2. Driveway Culverts:

- Amend Section 6 (Storm Drainage Systems), Subsection 02.B.3.a to read as follows: “Use of PP pipe shall only be used on private sites. Use of heavy-duty PP pipe may be allowed for individual driveway culverts within the City right-of-way upon written approval by the City Engineer, and must meet all the City’s current standards. Where a private drain line crosses the City right-of-way, reinforced concrete pipe is required and there shall not be a combination of two different products.”
- Amend Section 6 (Storm Drainage Systems), Subsection 02.B.4.a. to read as follows: “Use of HDPE pipe shall only be used on private sites. Use of heavy-duty HDPE pipe may be allowed for individual driveway culverts within the City right-of-way upon written approval by the City Engineer, and must meet all of the City’s current standards. Where a private drain line crosses the City right-of-way, reinforced concrete pipe is required and there shall not be a combination of two different products.”
- Amend Section 9 (Site Work), Subsection 01.A. by adding new subitem 8 to read as follows: “Driveway Culverts: Culverts shall be designed to manage any drainage flowing parallel to the City right-of-way based on an engineered drainage analysis. Any culvert located within the City right-of-way shall be constructed of reinforced concrete pipe (RCP) unless approved in writing by the City Engineer.”

- Amend Detail D-9 (Rural Residential Drive) by adding the following note:
“Culverts located within the City right-of-way shall be constructed of RCP or as approved by the City Engineer”.