



Waukesha Water Utility

SERVING WAUKESHA SINCE 1886

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MEMORANDUM

DATE: April 11, 2017

TO: Dan Duchniak, P.E.

FROM: Chris Walter, P.E.

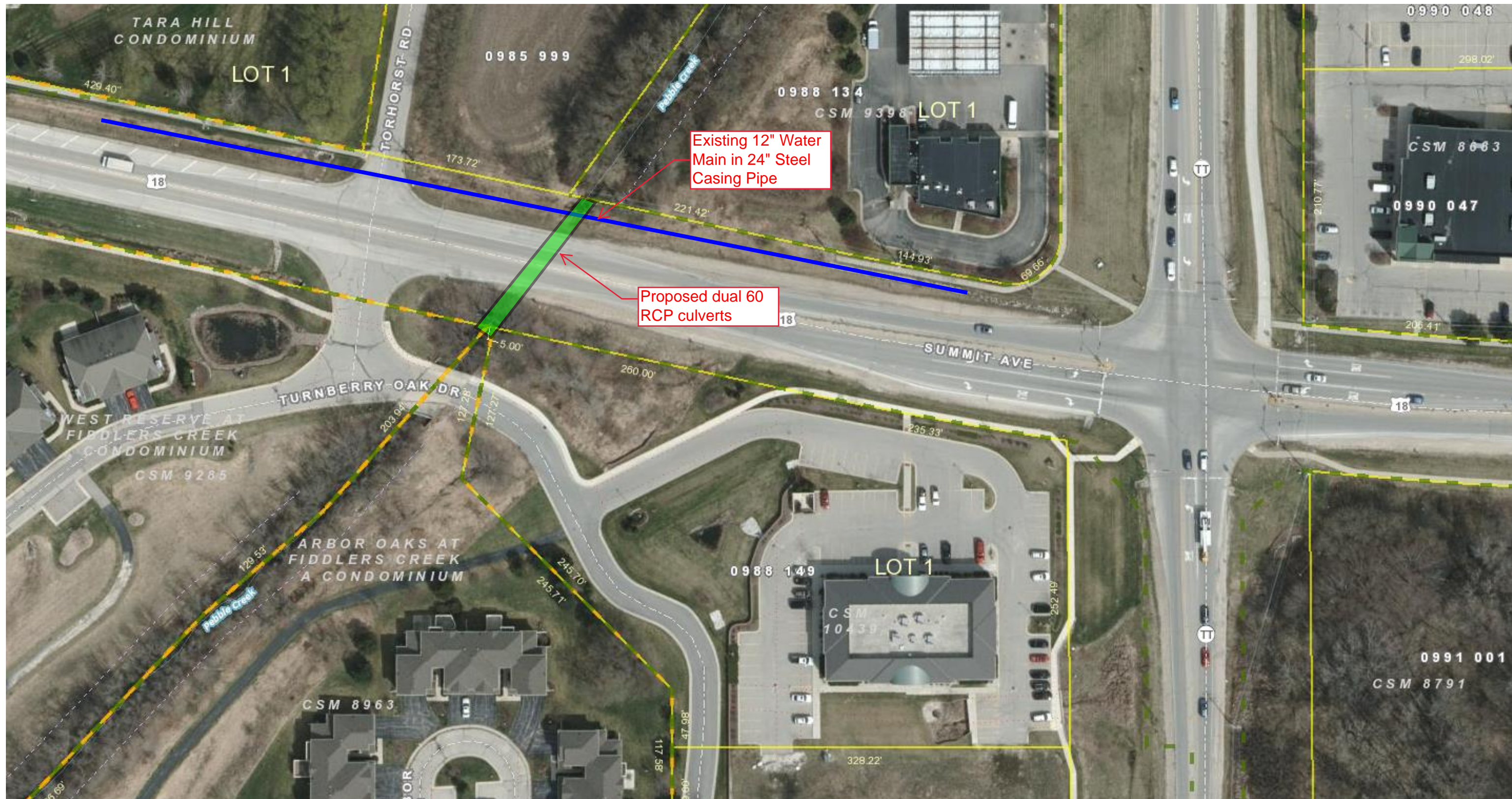
RE: West Bypass (M00500) Summit & Torhorst Boring Work

Wisconsin DOT is requiring Waukesha Water Utility to offset (lower) the existing 12-inch water main in the Summit Ave (STH 18) right of way, just east of Torhorst Road. As part of the West Bypass project, they are installing two new 60-inch concrete culverts at the road crossing of Pebble Creek, which will be in conflict with our water main.

We worked with the design engineer for DOT to try to resolve this situation by other means; however, no solution beyond us relocating the water main was acceptable to them. To meet the timing of their upcoming construction, we have requested proposals from a few contractors we have worked with in the past for this work.

Due to fact that two different contractors are needed for this work; one to do the boring work, and another to dig the two pits and make the water main re-connections, we are bringing this before the Commission under two separate action items. This memo is to request approval of the underground boring (directionally drilling) of our new water main. The total length of new pipe to be installed is approximately 60 feet.

Recommended Motion: Move to approve the proposal from Underground Specialists, Inc., in the amount of \$11,400 to install new water main by means of directional drilling at Summit and Torhorst.



Existing 12" Water Main in 24" Steel Casing Pipe

Proposed dual 60 RCP culverts