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To: Bunker, Bruce
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The City of Bloomington 2018-905 Penn-American Linear Stormwater Storage Project is located within the Penn American District; roughly in the SW quad of I-494 and I-35W. The Penn American District is redeveloping consistent with the vision set forth in the City's Penn American District Plan for a higher density, pedestrian friendly, transit oriented development. Current development activity includes the BRT Orange Line and the Penn American Phase III development.

The issue of concern is frequent, short duration flooding primarily within rights-of-way; however more significant storm events have potential to impact surrounding private properties. The focus of the project is to significantly reduce the magnitude, frequency, and duration of temporary flooding at the low point along Knox Avenue between American Boulevard and 81st Street, and the low point along American Boulevard between Knox and Irving Avenue.

Over the past 10 years, City Staff have been studying various possible solutions to flooding in the area of Knox Avenue and American Boulevard including parallel pipe systems and various versions of stormwater storage type projects. The current proposal is to establish a large diameter, linear stormwater storage project capable of storing 12 ac-ft of water.

The proposed project includes conveyance infrastructure upgrades in Knox Avenue, establishing approximately stormwater storage under the future 80% Street ROW between Morgan Circle and Knox Avenue, and a large diameter pipe from Morgan Circle and connecting to the Penn Avenue trunk storm sewer line at 82nd St (Figure 11). In total the system proposes to establish 12 ac-ft. of stormwater storage. When this storage volume is combined with the future development requirements that sites retain the first inch of precipitation; the total volume mitigated is 16 ac-ft; thereby establishing a 10-yr level of service for the area

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