

Memorandum

To: City of Madison Engineering
From: Kevin Yeska, JSD Professional Services, Inc.
Re: Madison Yards Block 1 – Stormwater Management Technical Memo
JSD Project #: 19-9366
Date: February 3, 2020
cc: Matt Haase (JSD), Matt Saunders (JSD)

This memorandum shall serve as a supplement to the Madison Yards Block 1 Land Use – UDC submittal to clarify proposed stormwater improvements for Madison Yards Block 1 and confirm our understanding for the overall Madison Yards Block 6 improvements. JSD understands the Madison Yards Block 1, 2, 4 and 5 improvements are required to meet the Chapter 37 “redevelopment” standards adopted into ordinance on June 2, 2020. We further recognize that Block 3 and 6 were approved prior to the adoption of the new ordinance and defer back to previous standards.

The Block 1 stormwater management improvements contains five (5) watersheds divided by roof areas and surface parking. Stormwater across the upper level of the parking deck and surface parking will be directed to oil and grease filters and ultimately discharged to storm sewer improvements proposed within Madison Yards Way (Refer to Block 6 plan set). Storm sewer within Madison Yards Way will be routed west to the existing underground StormTrap chamber where it will be treated for total suspended solids and runoff rate control.

The remaining watershed areas of Block 1, along with areas from Block 4 and Block 5 will be directed to an infiltration chamber beneath the Central Green. The infiltration chamber will be located south of the existing underground StormTrap system. Areas discharging to this infiltration area will be from rooftops of these Blocks to maximize clean water infiltration. The underground infiltration system will be designed to satisfy Chapter 37 redevelopment stormwater requirements for Blocks 1, 2, 4 & 5. Most of Block 2 roof areas will be discharged directly offsite however the system will be designed to over-compensate for volume reduction and infiltration volume requirements. The specific redevelopment standards the underground infiltration chamber will be meeting for Blocks 1, 2, 4 & 5 are holding the first ½ inch of rain over the total site impervious area and reducing the 10-year runoff volume by 5-percent. Please see the attached Madison Yards watershed exhibit for more information on the anticipated storm water routing.

