

From: [Phan, Johnny](#)
To: [Downtown West Project](#)
Subject: FW: IP Page
Date: Tuesday, May 18, 2021 11:40:50 AM
Attachments: [Downtown West 5 InfrastructurePlan \(1\) \(002\)-c.pdf](#)
[redline Downtown West 5 InfrastructurePlan \(1\) \(002\)-c.pdf](#)

From: Straka, Stephanie <SStraka@coblentzlaw.com>
Sent: Thursday, May 13, 2021 2:31 PM
To: Phan, Johnny <Johnny.Phan@sanjoseca.gov>
Subject: IP Page

[External Email]

Johnny, see attached page, clean and redline.

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anticipated that the Phase VII Interceptor Project will be completed by the City prior to the completion of the last phase of Downtown West Development to provide the necessary area wide capacity. City will confirm the schedule for this work at a future date.

Water Reuse Facility(s) Scenario

The City of San José modeled three water reuse facility scenarios to determine the Project's Projected impacts to the sanitary sewer system:

1. Scenario 1, One or Two WRFs: Discharge via a pipeline to the West San Fernando Bridge, with one point of connection to the sanitary sewer along Almaden Boulevard.
2. Scenario 2, One WRF: Discharge into the sewer main in Park Avenue, with one point of connection to the sanitary sewer.
3. Scenario 3, Two WRFs: Discharge into sewer mains in Park Avenue and West Julian Street, with two points of connection to the sanitary sewer.

Model results for the three water reuse facility scenarios were provided by the City of San José to the Project team on March 20, 2020; as shown in Figures 7.3, 7.4 and 7.5. The City also provided a *Sanitary Sewer Level of Service Council Policy* (dated June 15, 1982), which defines any pipe having a level of service (LOS) lower than "D" or flowing full at peak flow as deficient and therefore requiring improvement. The 1982 LOS policy (Council Policy 8-7) is "currently under review to ensure it is in alignment with recent regulatory changes and the planned growth identified in the 2040 General Plan" as documented in the October 16, 2019 City Council meeting minutes. In addition to the LOS policy, the City has capacity management and condition assessment programs that help the City comply with the Statewide General Waste Discharge Requirements (GWDR) to prevent sanitary sewer overflows (SSOs). The City also has an Exfiltration Abatement Program to minimize the risk of wastewater leaching from the sanitary system as required by the 2016 Baykeeper Consent Decree (City Council meeting minutes, February 16, 2010).

Model results for the water reuse facility scenarios with the Phase VII upgrades

Under Scenario #1 (Figure 7.3), where wastewater would enter the City's sanitary sewer system at Almaden Boulevard, the City's model analysis indicates that no upgrades will be needed to the existing infrastructure in order to accommodate these flows. Under Scenario #2 (Figure 7.4), where wastewater would enter at Park Avenue, the model results indicate "surcharge due to capacity limitations" from the connection point to Guadalupe Parkway plus "surcharge due to backwater" just upstream of the connection point. Under Scenario #3 (Figure 7.5), where the wastewater would be split between Park Avenue and West Julian Street, the model results indicate that the discharge from the southern WRF would result in "surcharge due to capacity limitations" along portions of Park Avenue and Barack Obama Boulevard (formerly South Autumn Street) and along West St. John Street from North Autumn Street to Guadalupe Parkway. The discharge from the northern WRF to West Julian Street resulted in "surcharge due to backwater" along West Julian Street. Under Scenario #2 and Scenario #3, the section of the sanitary sewer between the water reuse facility and the siphons would be upsized to 42-inches. See Table 7.8 below for the sanitary sewer pipe upgrades that would be required under each scenario. The WRF(s) connection(s) and anticipated discharges are discussed in more detail in Section 9.2 District Wastewater Collection System.

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