



STAFF REPORT
1/27/2021

TO: Honorable Mayor and City Council Members

FROM: Andrew Simmons, P.E., City Engineer

SUBJECT: Resolution No. 2021-03 Adopting the City of Coachella 2021 Storm Water Master Plan (SWMP)

STAFF RECOMMENDATION:

Staff recommends that the City Council adopt the attached Resolution No. 2021-03 adopting the City's 2021 Storm Water Master Plan (SWMP).

BACKGROUND:

In February of 2018, the City applied for and received a Local Assistance Grant under proposition 1 with the State of California for the development of an SWMP. The grant is administered by the Coachella Valley Mountains Conservancy. In March of 2019, The City entered into a contract with Q3 Consulting for completion of the SWMP in accordance with the grant. The Coachella Valley Water District (CVWD), the regional flood authority, is working with Coachella as a local sponsor on this project.

This Storm Water Master plan is a culmination of years' worth of public outreach, planning and studies performed by multiple organizations to provide a framework for potential future Storm Water infrastructure projects within the City of Coachella. A precursor study to the SMP was completed in 2006 by Dudek. This "Storm Drain Needs Analysis Report" documented the City's existing infrastructure and was a resource for the current study. Potential regional flooding from the Coachella Valley Storm Water Channel (CVSC) was assessed in studies for CVWD performed by NHC (2012, 2013). CVWD also commissioned the Eastern Coachella Valley Storm water Master Plan (ECVSMP), (WEBB,2015), which looked at regional flooding in the valley and includes the south western extents of the City. Regional flooding from the Mecca Hills/Little San Bernardino Mountains was assessed in a study of the East Side Dike (NHC, 2017) performed for CVWD. Lastly, the City of Coachella has worked with the City of Indio, which is also in the process of finalizing their own SWMP to address flooding concerns within their City boundaries, including Avenue 48.

DISCUSSION/ANALYSIS:

The main objective of this SWMP development project is to provide a framework for addressing the City's chronic storm water flooding issues. Development of the SMP includes the following tasks:

1. Summary of the existing storm water management system
2. Modeling of storm water runoff and routing to identify existing system deficiencies
3. Development of alternatives to correct system deficiencies
4. Identification of preferred alternative(s) based on cost and non-economic factors
5. Preparation of capital and life cycle cost estimates for the preferred alternative(s)
6. Preparation of a schedule for the various implementation phases of the preferred alternative(s)
7. Summary of potential funding sources for implementation of the preferred alternative(s).

NHC was retained to complete tasks 1 and 2, which generally included the research and evaluation of the City's existing infrastructure. Q3 provided work for tasks 3 through 7, which included developing proposed flood control improvements, developing cost estimates, and identifying a project priority ranking for various phases and implementation strategies. The completed Final Storm Water Master Plan is attached hereto for further information.

ALTERNATIVES:

1. Revise Storm Water Master Plan, per City Council and community comments and feedback

FISCAL IMPACT:

None.

RECOMMENDED ALTERNATIVE(S):

Staff recommends that the City Council adopt the attached Resolution No. 2021-XX adopting the City of Coachella 2021 Storm Water Master Plan (SWMP)

Attachments: Resolution No. 2020-03 – Adopting the City of Coachella 2021 SWMP
2021 Storm Water Master Plan (SWMP).