

# ATTACHMENT B

July 16, 2019

City of Cupertino DRAFT GSI Plan

Staff will present Cupertino's State-mandated draft Green Stormwater Infrastructure Plan to City Council with a request for approval on August 20, 2019.

## EXECUTIVE SUMMARY

Development of this Green Stormwater Infrastructure (GSI) Plan is required by the City's Municipal Regional Stormwater National Pollutant Discharge Elimination System (NPDES) Permit. Urban development has traditionally involved replacing natural landscapes with solid pavements and buildings, using underground metal-pipe storm drainage systems to carry increased amounts of stormwater runoff and pollutants directly into local creeks, which empty into San Francisco Bay. To reduce the impact of urban development on waterways, Bay Area municipalities are required to begin augmenting traditional stormwater drainage systems with Green Stormwater Infrastructure (GSI) treatments.

GSI features mimic nature, and use plants, soils, and/or pervious surfaces to collect stormwater, allowing it to soak into the ground and be filtered by the soil. This reduces the quantity of water and pollutants flowing directly into local creeks. The City began the process of incorporating GSI into public projects in 2014, with the completion of the 18-acre Stevens Creek Corridor Park and Restoration.

The City of Cupertino has prepared this GSI Plan, specifically in accordance with its MRP requirements, to guide the siting, implementation, tracking, and reporting of GSI projects on City-owned land, including the public right of way, over the next several decades (2020 – 2040).

Cupertino's GSI Plan describes the City's approach to identifying and prioritizing potential areas for implementing GSI, and estimating targets for the City's area that could be addressed by GSI through 2040. The Plan lays out the City's GSI implementation strategy and includes maps of the City's prioritized areas and potential project opportunities. Key elements of the strategy include: coordination with State-mandated GSI requirements for private development and opportunities in adjacent public rights-of-way; identification of GSI opportunities in capital projects; and aligning GSI goals and policies with other City planning documents to achieve multiple benefits and provide safer, sustainable, and attractive public streetscapes. The Plan contains guidance and standards for GSI project design and construction, and describes how the City will track and map constructed GSI projects and make the information available to the public. Lastly, it explains existing legal mechanisms to implement the GSI Plan, and identifies potential sources of funding for the design, construction, and maintenance of GSI projects.