

## **The City of Union City's Framework for Green Infrastructure Plan Development**

This Framework for Green Infrastructure Plan Development is organized as follows.

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### **1. Purpose**

The purpose of the Green Infrastructure Plan is to guide the identification, implementation, tracking, and reporting of green infrastructure projects. “Green infrastructure” refers to a sustainable system that slows runoff by dispersing it to vegetated areas, harvests and uses runoff, promotes infiltration and evapotranspiration, and uses bioretention and other low impact development practices to clean stormwater runoff. The Green Infrastructure Plan will be developed in accordance with Green Infrastructure Plan requirements in Provision C.3.j of the Municipal Regional Stormwater Permit (Regional Water Quality Control Board Order No. R2-2015-0049, adopted on November 19, 2015), which states in part:

....the [Green Infrastructure] Plan is intended to describe how Permittees will shift their impervious surfaces and storm drain infrastructure from gray, or traditional, storm drain infrastructure where runoff flows directly into the storm drain and then to the receiving water, to green—that is, to a more resilient, sustainable system that slows runoff by dispersing it to vegetated areas, harvests and uses runoff, promotes infiltration and evapotranspiration, and uses bioretention and other green infrastructure practices to clean stormwater runoff.... The Plan is intended to serve as an implementation guide and reporting tool... to set goals for reducing, over the long term, the adverse water quality impacts of urbanization and urban runoff on receiving waters.

### **2. Municipal Stormwater Permit Deadlines**

Provision C.3.j.2.(1) of the Municipal Regional Stormwater Permit requires the City of Union City to approve a framework or workplan to develop a Green Infrastructure Plan by June 30, 2017. The complete Green Infrastructure Plan must be submitted to the Regional Water Quality Control Board by September 30, 2019.

### **3. Specific Tasks for Plan Development**

Preparation of the Green Infrastructure Plan will require the following specific tasks.

#### **Identify Green Infrastructure Projects**

Future green infrastructure projects will be identified for inclusion in the Green Infrastructure Plan. This will include documentation of existing plans for private and public development projects that would be subject to MRP Provision C.3 requirements for development projects to include stormwater treatment facilities. The Green Infrastructure Plan will also document the continuing implementation and results of the City of Union City's process, initiated in Fiscal Year 2015-16, to review planned capital improvement projects that are not subject to Provision C.3 stormwater treatment requirements, to identify the potential for incorporating green infrastructure. Additionally, a tool developed by the Alameda Countywide Clean Water Program will be used to identify, map, and prioritize potential green infrastructure projects that may be included in the Green Infrastructure Plan.

#### **Develop Tracking Procedures**

Guidance provided by the Clean Water Program will be used to develop procedures for estimating the pollutant load reduction benefits of green infrastructure projects, and for tracking and reporting on completed projects. The procedures will be described in the Green Infrastructure Plan.

#### **Incorporate Guidelines and Typical Designs**

The Green Infrastructure Plan will incorporate guidelines for streetscape and green infrastructure project design and construction, and green infrastructure typical design drawings and specifications. This will be based on example guidelines, typical design drawings, and specifications provided by the Clean Water Program. The City of Union City will evaluate the materials provided by the Clean Water Program for consistency with local standards, and will revise existing guidelines, standard specifications, design details, and procedures as needed.

#### **Update Planning Documents**

Planning documents, including those listed below, will be reviewed, and relevant sections of these documents will be modified, as needed, for implementing green infrastructure in public and private development projects to support the implementation of the Green Infrastructure Plan. This will include the following planning documents:

- General Plan, specific plans, and area plans
- Complete streets plan, active transportation plan
- Storm drain system master plan
- Pavement rehabilitation work plan

- Master park plan
- Urban forestry plan
- Other plans that may affect the future alignment, configuration, or design of roadways, parking lots, buildings, and other impervious surfaces.

### **Evaluate Funding Sources**

An evaluation of funding sources for potential future public green infrastructure projects will be included in the Green Infrastructure Plan. Guidance provided by the Clean Water Program may be used to develop an in-lieu fee for private development projects that are constrained from fully meeting stormwater treatment measures onsite, as a potential funding source for future public green infrastructure projects.

### **Training and Outreach**

Staff will receive training on green infrastructure planning, implementation, design, and maintenance at inter-departmental meetings by attending training sessions provided by the Clean Water Program. Updates and opportunities for input on the preparation of the Green Infrastructure Plan will be provided to the City Council and Planning Commission. Outreach to the general public and development community will be conducted in coordination with the Clean Water Program.

### **Compile Green Infrastructure Plan**

Documentation of the tasks described above will be compiled into the Green Infrastructure Plan for review by the City Council for the City of Union City

### **Implement the Green Infrastructure Plan**

A resolution, policy, or other legal mechanism will be adopted to begin implementing the Green Infrastructure Plan.

### **Submit Plan to the Water Board**

The Plan, and applicable policies or other legal mechanisms for Plan implementation, will be submitted to the Regional Water Quality Control Board (Water Board) with the City of Union City's 2019 Annual Report of Stormwater Program Implementation.

## **4. Timeframe for Plan Development**

The schedule for conducting specific tasks is presented below. Adoption of the Green Infrastructure Plan is scheduled for June 30, 2019. The Plan, and applicable policies or other legal mechanism for Plan implementation, must be submitted to the Regional Water Board by September 30, 2019.

### Schedule of Specific Tasks

Task	FY 2016-17		FY 2017-18				FY 2018-19				FY 2019-20	
	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2
Identify Projects												
Develop Tracking Procedures												
Incorporate Guidelines												
Update Planning Documents												
Evaluate Funding Sources												
Training and Outreach												
Compile Plan												
Adopt Plan												
Submit Plan to Water Board												

### 5. Staffing Assignments

The City Engineer will direct the preparation of the Green Infrastructure Plan.

### 6. Budget

Development of the Green Infrastructure Plan will require 0.08 fulltime equivalent staff and \$15,000 for consultant assistance.