

Waterways Maintenance Plan 1st Public Workshop

July 13, 2016

Transportation & Storm Water
Department



Introduction

- Welcome
- City Officials
- Speakers and Team Members

Agenda

- Storm Water Runoff & System
- T&SW's Storm Water Management Strategy
- Proposed Waterways Maintenance Plan
- Public Input, Dialogue, & Results

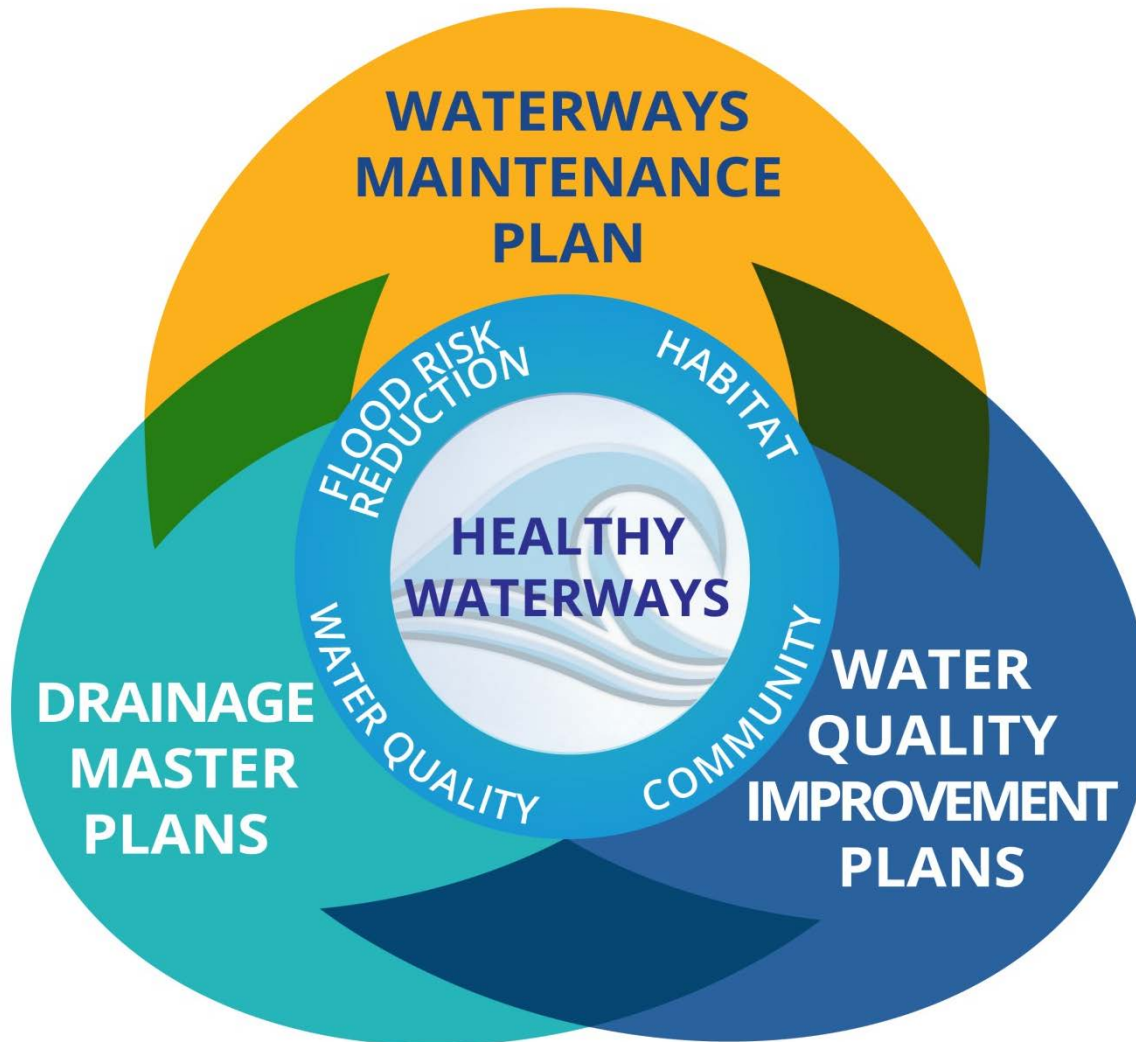


System Overview

- Storm Water Runoff
- System contains
 - ~50 miles of streams and channels
 - ~20 miles of brow ditches and box culverts
 - ~770 miles of storm drains
 - ~47,000 structures, including 5,000+ outlets



Holistic Storm Water Management Strategy



Waterways Maintenance Plan – Objectives

- Flood Risk Reduction
- Infrastructure Sustainability
- Resource Protection & Restoration
 - Water Quality
 - Habitat and Species



Regulatory Overview

- Numerous City, State and Federal Regulations Potentially Apply
 - City Development Services Department: Land Development Code
 - California Department of Fish and Wildlife: State Fish and Game Code
 - California Coastal Commission: Coastal Act
 - US Army Corps of Engineers/ San Diego Regional Water Quality Control Board: Federal Clean Water Act
 - US Fish and Wildlife Service: Federal Endangered Species Act

Regulatory Overview

- Programmatic City-wide approach Is Preferred by Regulatory Agencies
 - Accepted approach throughout California
 - Streamlined permit processing
 - Consistent permit conditions
 - Transparent and predictable



Existing – Master Storm Water System Maintenance Program

- 5-year Site Development Permit
 - 113 channel segments
 - 32 miles
- Substantial Conformance Review
- Annual Prioritization Process
- Since 2013
 - Completed planned maintenance at 5 channels (14 segments total)
 - Additional segments addressed under emergency procedures
 - 60 acres of mitigation completed, underway, or purchased



Proposed – Waterways Maintenance Plan

- Multi-year Plan
 - Currently evaluating all drainage facilities
 - Will identify areas that require maintenance
 - Will conduct a comprehensive technical evaluation
- Potential to Allow for Regular Renewal Cycles
- Goals
 - Integrated with overall holistic storm water management strategy
 - Standard mitigation measures
 - Streamlined maintenance approvals



Proposed – Waterways Maintenance Plan

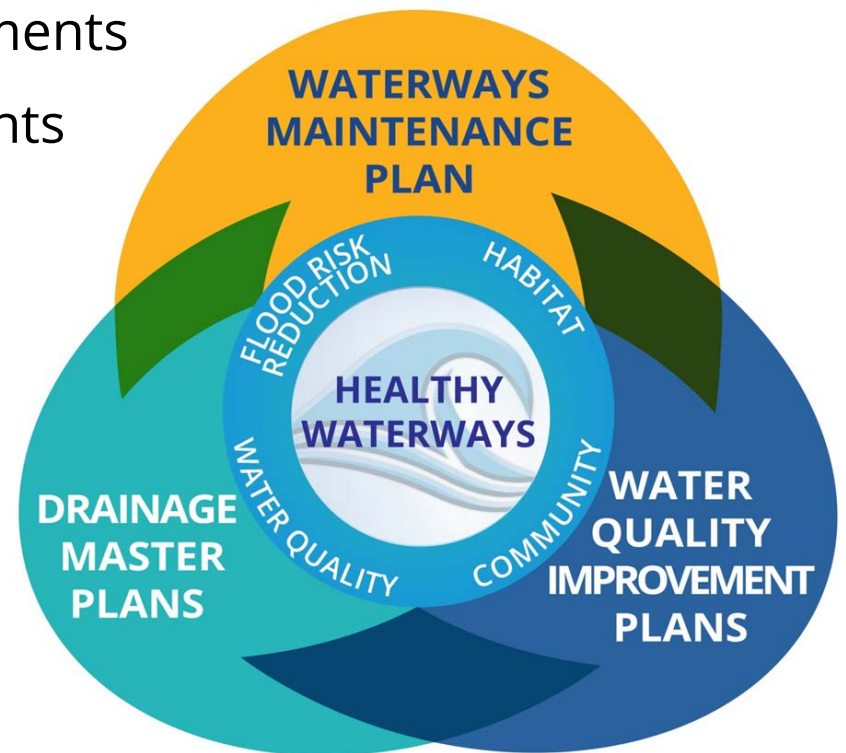
- Approximate Timeline
 - Plan Development – Summer/Fall 2016
 - CEQA & Regulatory Permit Applications– Fall 2016
 - Public Notices – Winter 2016
 - Technical Analyses – Fall/Winter 2016
 - Public Review– Summer 2017
 - Certification/Permit Issuance – Winter 2017
- Next Steps
 - Focused Public Workshops (Fall 2016, etc.)
 - CEQA Public Notices/Meetings (Present – Winter 2017)



Community Input

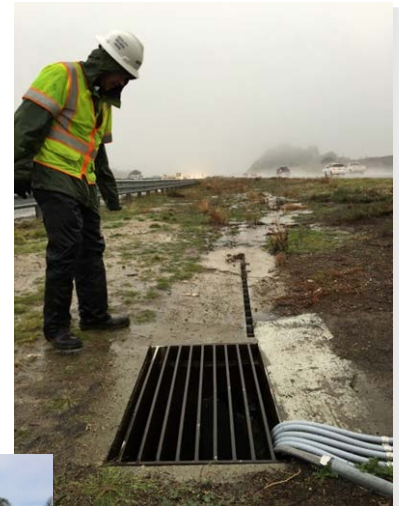
Focus Areas of Interest:

- Holistic Storm Water Management Strategy
 1. Watershed Water Quality Improvements
 2. Consider System-Wide Improvements
 - A. Stream Protection & Restoration
 - B. Infrastructure Improvements
 3. Plan System Maintenance



Watershed Water Quality Improvements

- Goal – Reduce Sediment Sources And Improve Storm Water Runoff Quality
 - Optimize pollution prevention efforts
 - Reduce waterway maintenance needs
 - Integrate green infrastructure
- Examples
 - Pollution prevention activities (street sweeping, drain cleaning, & water quality basins)
 - Green infrastructure (grass swales, curb cuts/planters, & constructed wetlands)



Stream Protection and Restoration

- Goal - **Improve Habitat Conditions**
 - Standardized approach
 - Community partnerships
 - Master planning for multiple benefits
- Examples
 - Modified maintenance methods
 - Channel expansion
 - Concrete removal/daylighting
 - Bank stabilization
 - Invasive species control
 - Property purchase



Infrastructure Improvements

- Goal - Improve the Transition from Engineered to Natural Systems
 - Master planning for multiple benefits
 - System reliability
 - Reduced maintenance
- Examples
 - Storm drain pipe replacement
 - Bank stabilization
 - Headwall/Dissipator construction



Flood Risk Maintenance

- Goal – Minimize Property and Life Safety Risk from Flooding
 - Prioritize locations based on consequence
 - Provide equal benefits & protection throughout the City
 - Streamline review/approval of individual flood reduction activities
- Examples
 - Channel/outlet maintenance & repair
 - Flood barriers (levees, berms, & sandbags)
 - Community outreach/education



Community Input

- Focus Areas of Interest
 - Watershed Water Quality Improvements
 - Genene Lehotsky, Bryn Evans
 - Stream Protection and Restoration
 - Christine Rothman
 - Infrastructure Improvements
 - Chris Gascon
 - Flood Risk Maintenance
 - Roger Wammack, Stephanie Bracci
- Comment Card
- Website: www.sandiego.gov/stormwater/services/wmp



Next Steps

- Additional Comments?
- Submit Comment Cards
- Website: www.sandiego.gov/stormwater/services/wmp
- Email list
- Next public workshops (Fall 2016, etc.)