SALMON BEACH SLOPE LANDSCAPE MANAGEMENT PLAN

August 10, 2017

Tacoma Surface Water Solid Waste Wastewater Environmental Services Department
AGENDA

• Welcome
• Meeting objectives
• Salmon Beach slope: overview
• Review of existing conditions and site observations
• Vegetative management strategy
• Next steps and adjourn
MEETING OBJECTIVES

The audience will have:

• A greater understanding of:
  • Management Plans
  • Site Conditions
  • Regulatory Constraints

• An opportunity to ask questions
WHY IS ENVIRONMENTAL SERVICES AT THE TABLE?

• New managers (2014)

• Passive Open Space

• Stormwater Benefit
ENVIROMENTAL SERVICES’ ROLES

• Property Manager

• Regulator

• Public Servant
WHAT IS A LANDSCAPE MANAGEMENT PLAN?

• Science-based
• Captures existing conditions
• Establishes goals
• Defines responsible activities
• Minimizes risk
WHY DO WE NEED A MANAGEMENT PLAN?

Regulations

Public  City
EXISTING DOCUMENT REVIEW

- Parkside View Management Plan (1995)
- Tree Solutions – arborist memo (2017)
- TMC 9.20/13.11 (current)
- Wetland and Stream Report (2016)
- ANSI A300- Pruning
EXISTING CONDITIONS SUMMARY

- Steep slopes
- Limited access
- Geology: limited soil erosion
- No visible evidence of recent landslides
- Native and invasive vegetation
OBSERVATIONS:

• Upper slope drastically altered by tree topping
• Upper slope vegetation dominated by invasive species
• Vegetation in southwestern portion of site in relatively healthy condition
• Little evidence of surficial erosion
SLOPE STABILITY AND VEGETATION

Fill or disturbed native material from construction activities.

Colluvium loose native soil with organics; susceptible to shallow debris slide when saturated.

Glacial drift (glacial till near top of slope and more permeable outwash or drift mid-slope), very dense.

Olympia or pre-Olympia lacustrine soil, predominantly silt and clay with occasional interbeds of silty sand and sand, exposed in lower portion of slope, very hard.

No/limited canopy cover, understory dominated by invasive plants.

Healthy canopy cover, healthy understory comprised of native plants.

Perched water.
CATCH BASIN EROSION RESOLVED
EXISTING VEGETATION CONDITIONS:
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CANOPY MANAGEMENT AREAS

- C3 - No Canopy / Poor Canopy
- C2 - Moderate Canopy
- C1 - Healthy Native Canopy
UNDERSTORY MANAGEMENT AREAS

- U3 - Severe Invasives
- U2 - Moderate Invasives
- U1 - Healthy Understory

180 contour line
MANAGEMENT PLAN GOALS:

• Infrastructure Protection
• Public Safety
• Slope Stability
• Stormwater Benefit
• Wildlife Habitat Improvement
TARGET ECOSYSTEM:
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QUESTIONS FROM AUDIENCE
NEXT STEPS

• Continue to refine management units
• Post Draft LMP on-line
• Public Comments
• Next meeting – October
• Public Comment Period during permitting
ADDITIONAL INFORMATION

• Mason Gulch
  – www.cityoftacoma.org/mason

• Schuster Slope Landscape Management Plan
  – www.cityoftacoma.org/schuster

• To relay verbal or email comments:
  – Desiree Radice
  – dradice@cityoftacoma.org
  – 253.502.2126