



Rainbow Valley Area Drainage Master Plan - Proposed Alternatives

ALTERNATIVE 5 - PROTECT MAJOR WASH CORRIDORS

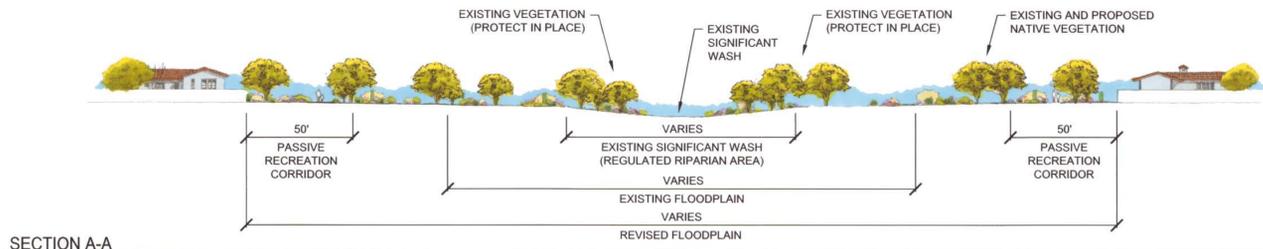
Description: This alternative recognizes that development will occur in the Rainbow Valley area and seeks to establish opportunities to include the preservation of open spaces and the beneficial functions served by floodplains with development planning. Flood protection is provided through the identification of major drainage corridors (Q>500 cfs) that would be

protected and give more flexibility to developers for impacting smaller washes. This would likely require that flows be diverted to the identified corridors which could result in higher flows resulting in larger flooding area within these drainages. The need to increase the floodplain in these major washes may be offset by reductions in current floodplains using the NOAA 14

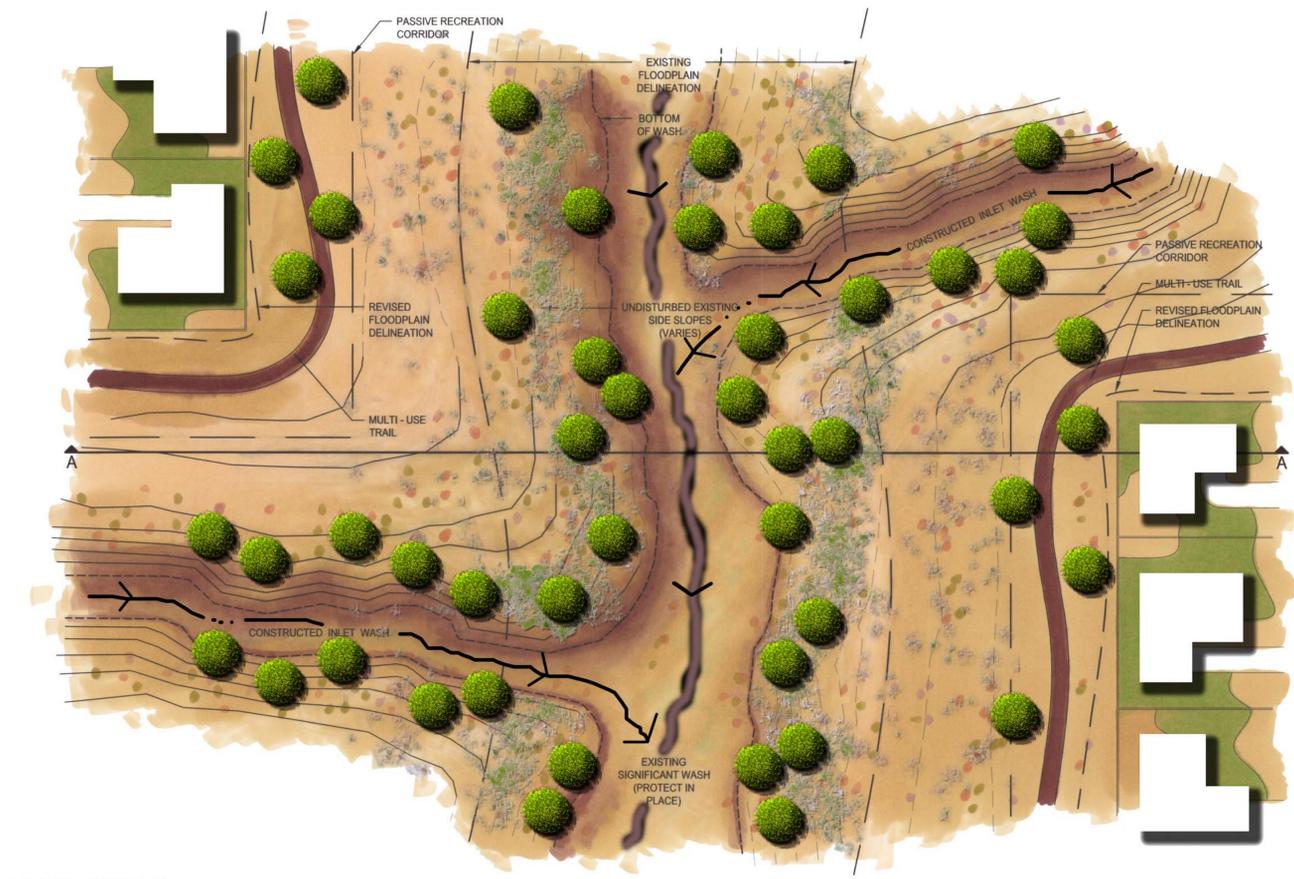
precipitation predictions and the creation of drainage districts. Waterman Wash would be managed in accordance with the *Waterman Wash City of Goodyear Conceptual Corridor Study*.

Proposed Flood Protection Method:
Non-Structural, Soft-Structural, Semi-Soft Structural

Compatible Landscape Design Themes:
Natural Sonoran Desert Upland Riparian
Natural Lower Sonoran Desert Riparian



SECTION A-A



TYPICAL PLAN VIEW



Waterman Wash to be managed under updated City of Goodyear Guidelines

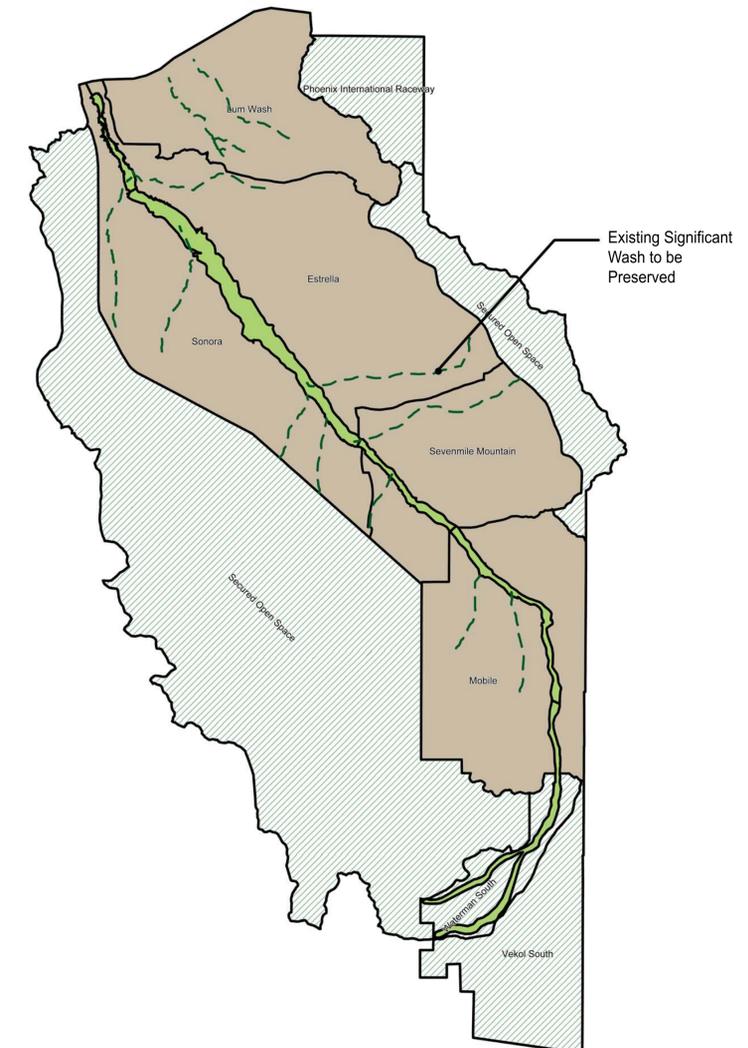


Existing Significant Wash in PIR Planning Unit with Adjacent Development - example of Wash Preservation



Existing Wash with Indistinct Vegetation and Topographic Character - to be enhanced through increased flows

KEY MAP



- Planning Unit where Flood Hazard Mitigation is achieved through New Regulations to protect Significant Washes (Q>500 cfs)
- Planning Unit where Flood Hazard Mitigation is achieved through Land Use Management or Existing Regulations
- Flood Hazard Mitigation achieved through implementation of updated Waterman Wash Guidelines