

MEETING AGENDA

Lower Cottonwood Creek Outfall Systems Planning Study

Meeting Date: June 2, 2008

Meeting Location: SEMSWA

1. Objectives for Meeting

- a. To present draft Baseline Hydrology Report, discuss potential problems in the watershed, review formulation and evaluation of alternatives, and seek input on engineer's recommended alternative.

2. Draft Baseline Hydrology Report

- a. Section 1.0 – Introduction
 - Authorization
 - Purpose and Scope
 - Mapping
 - Data Collection
 - Acknowledgements
- b. Section 2.0 – Description of Study Area
 - Topography and Physiography
 - Jurisdiction, Major Land Holders, and Land Use
 - Major Drainageways
- c. Section 3.0 – Hydrologic Analysis
 - Overview
 - Design Rainfall
 - Subwatershed Characteristics
 - Stream and Pipe Conveyance
 - Existing Detention Facilities
 - Results of Analysis

3. Potential Problems in Watershed

- a. Effects of future imperviousness, especially in upper half of watershed
- b. Stream degradation
- c. Stormwater quality
- d. Conveyance capacity

4. Formulation of Detention Alternatives

- a. Alternative A – Planned EURV Detention and Existing Facilities
- b. Alternative B – Planned and Retrofitted EURV Detention
- c. Alternative C – Planned, Retrofitted, and New EURV Detention.

5. Stream Improvement Alternatives

- a. Level of improvements and estimated costs are based on existing drainageway conditions, potential future degradation, and relative flow rates.
- b. General approach: restore degraded inverts, incorporate grade control, preserve existing riparian vegetation where possible. Channel enlargement is proposed where capacity is limited (Inverness Drive East Medical Building).

6. Evaluation of Alternatives

- a. Detention summary table
- b. Actual detention vs. recommended watershed detention
- c. Detention performance table
- d. Peak flows for alternative plans
- e. Alternative cost summary
- f. Detailed detention costs
- g. Detailed stream costs

7. Engineer's Recommended Alternative

8. Next Steps

- a. Submit draft Baseline Hydrology Report
- b. Prepare draft Alternatives Evaluation Report for submittal