

# Fort Ward Park

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## Drainage Complaint Issues Potential Solutions

**T&ES**

**May 25, 2010**



# Meeting Objective

## 1. Meeting Objective

- Discuss drainage problems in and around Ft. Ward Park

# Issues:

- Erosion/Flooding/Drainage – Oakland Baptist Church Cemetery
- Flooding / Drainage – Marlboro Estates

# Ft. Ward Park Aerial

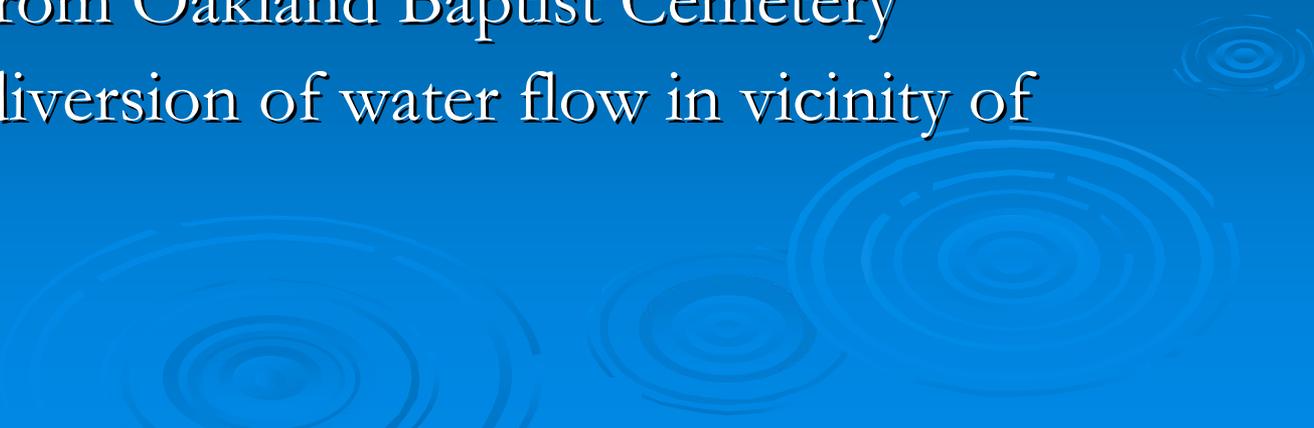


# What has been done

- Debris removal from the drainage paths within Ft. Ward Park after rain events
  - “No Mow” designated areas within the park (natural habitat restoration)
  - Application of ground cover to reduce erosion and velocity
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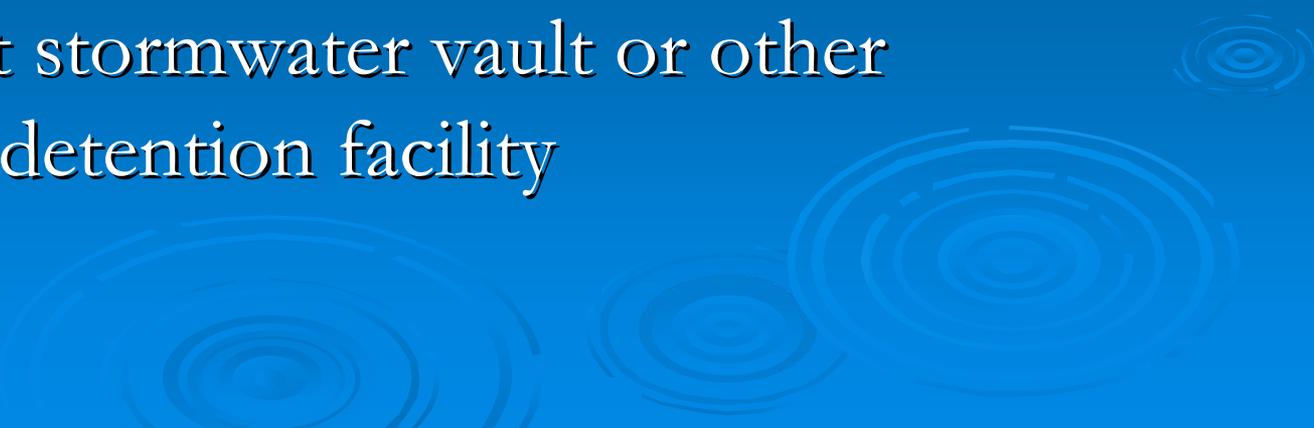
# Potential Solutions

## Short Term:

1. Extensive Debris Cleanup Activities within stream channel, ditch areas, and inlet structures
  2. Application of ground cover to reduce C-factor and runoff velocity
  3. Construction of temporary dyke or swale to channel runoff away from Oakland Baptist Cemetery
  4. Perimeter diversion of water flow in vicinity of cemetery
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# Potential Solutions

## Long Term:

1. Increase capacity of ditch and revegetate to mitigate erosion
  2. Install additional drainage structures for stormwater relief
  3. Construct stormwater vault or other stormwater detention facility
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# Suggestions For Private Property Owners

1. Property owners need to connect down spouts and sump pumps to adjacent storm sewers
  2. Remove obstructions, blockages, and debris from natural drainage course
  3. Re-examine existing topographic grading on private parcels
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# Suggestions For Private Property Owners - cont.

4. Revegetate with plants that are conducive to wet environments and/or improve the soil
5. Consult with a Professional Engineer or Landscaping Consultant to develop an inclusive stormwater management plan

# Next Steps

1. Coordinate a site visit with City and Community Stakeholders – Post Masterplan
2. Propose a collective Best Management Practice Plan to address both short and long term potential solutions - Comprehensive
3. Coordinate with Office of Historic Alexandria (OHA) given the high probability of shallow graves in the vicinity
4. Consult with a floodplain and hydrologic consultant to begin an overall stormwater management study for Ft. Ward Park watershed and adjacent drainage area

THANK YOU!

