

Kokopelli Subdivision and Hampton Arroyo

Public Meeting



February 25, 2016

AECOM

Introductions



- City of Aztec
- AECOM
 - Jim DeAngelo
 - Marc McIntosh
 - Sherrick Campbell
- AECOM is a world wide Engineering Firm
- Local offices in Albuquerque, Phoenix and Denver
- Experience in all aspects of Flood Hazard Mitigation, Design and Planning

Why are we here?

- Re-occurring Flooding, Erosion and Sediment issues
- Impact to public Safety, Property, and Quality of Life
- City recognizes a need to reduce flood risks, and includes mitigation in the 2015- 2019 Infrastructure Capital Improvement Plan
- AECOM responded to an RFP issued by the City to provide Engineering services and entered into a contract with the City



Project Goals

- Reduce Risks and Impacts to Life
 - Understand the Existing Drainage Characteristics for the Hampton Arroyo and Kokopelli Subdivision
 - Explore Potential Mitigation Actions
 - Create Public Awareness and Understanding of the Problem and Potential Solutions
 - Create Conceptual Drawings, and Costs for Mitigation

Scope

The Hampton Arroyo and the Kokopelli Subdivision projects are related and will generally be completed together.

Public Outreach is an important part of the project and will be ongoing to collect and disseminate information



Phase 1 –Data Collection (Kokopelli & Hampton)

Phase 2 – Hydrology & Hydraulics (Kokopelli & Hampton)

Phase 3 – Alternatives Analysis (Kokopelli)

Phase 1: Data Collection

Review Existing Information

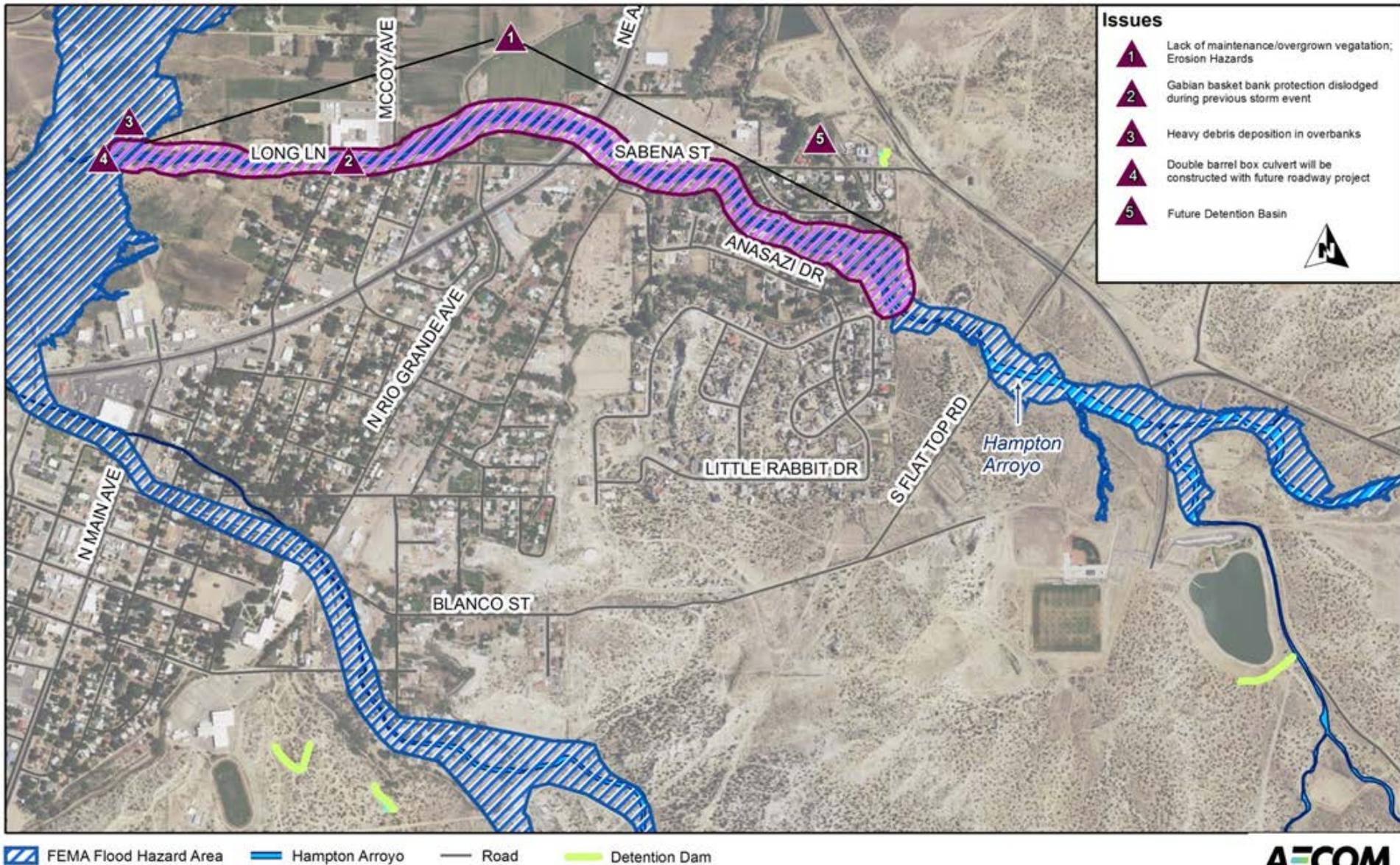
- Survey
- Topography
- Engineering Data

Field Investigation

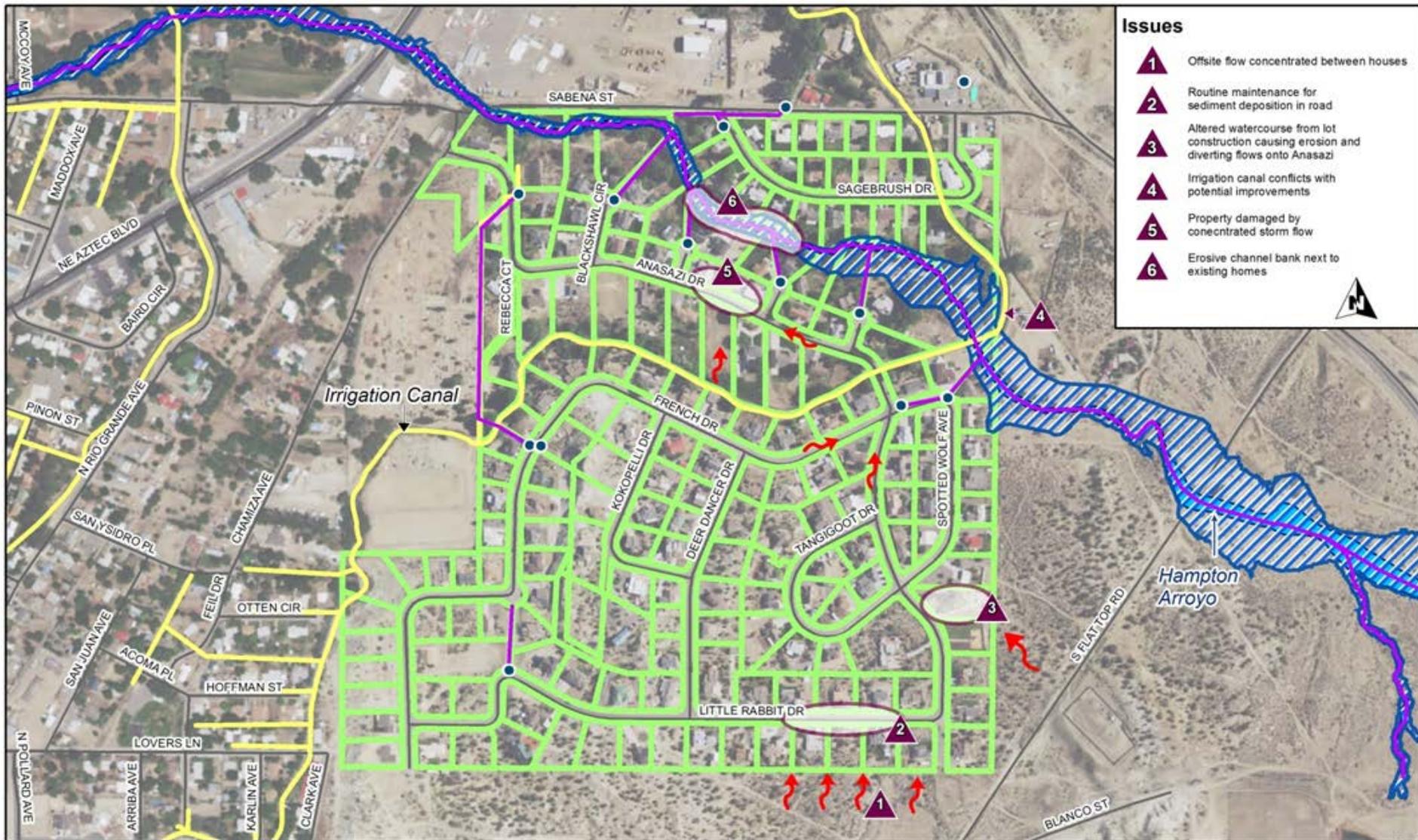
Information From Stake Holders



Preliminary Work is already Underway



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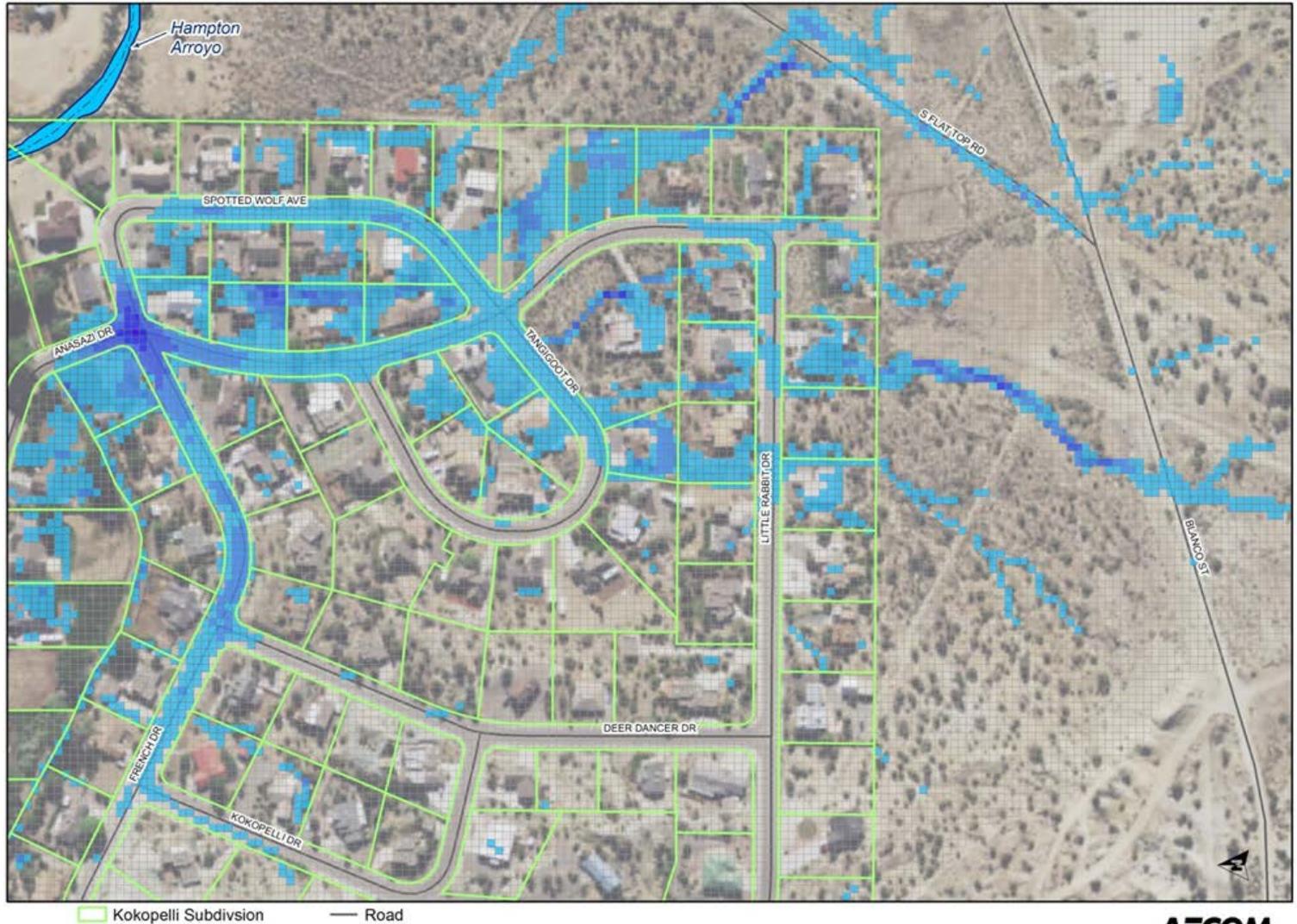
- Issues**
- 1 Offsite flow concentrated between houses
 - 2 Routine maintenance for sediment deposition in road
 - 3 Altered watercourse from lot construction causing erosion and diverting flows onto Anasazi
 - 4 Irrigation canal conflicts with potential improvements
 - 5 Property damaged by concentrated storm flow
 - 6 Erosive channel bank next to existing homes



- FEMA Flood Hazard Area
- Catch Basin
- Storm Lines
- Detention Pond
- Irrigation Ditches
- Road
- Parcel
- Hampton Arroyo
- Flow Paths

Phase 2: Hydrology and Hydraulics

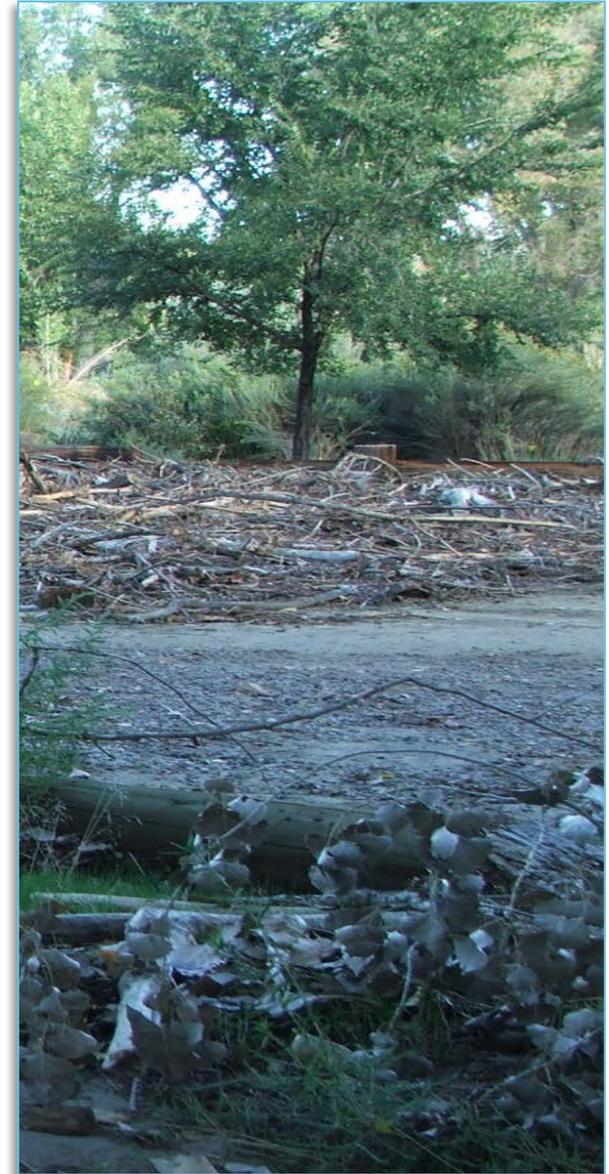
How Much Water, Where it will Go, What it might Do



Phase 3: Alternatives Analysis

Use Information from Phase 1 and 2 to identify potential Mitigation Actions

- Prioritize Problematic Areas
- Identify Flood Mitigation concepts for the 25 year event
- Create a Mitigation Map



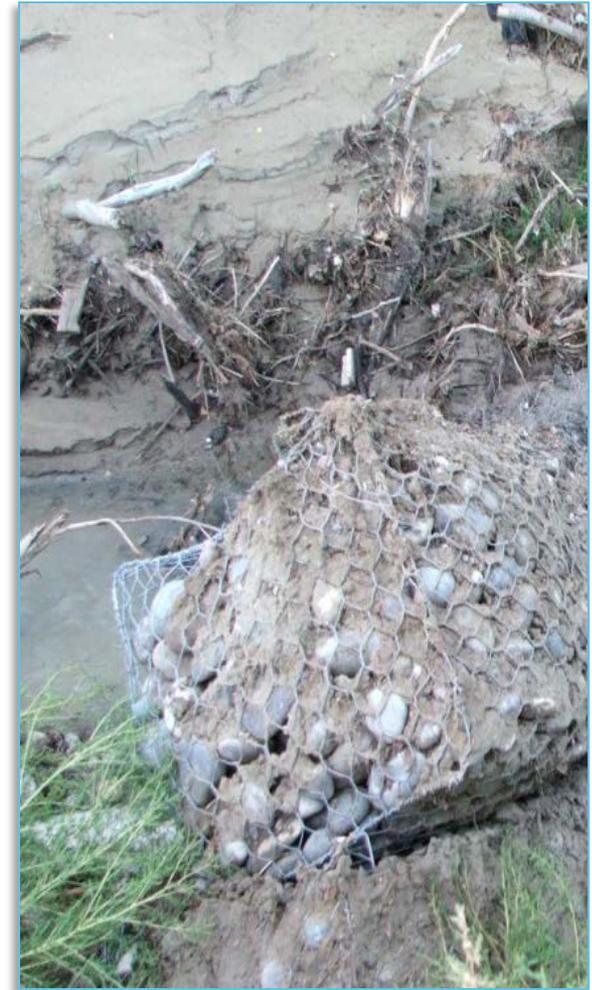
Project Schedule

Task	Date
Data Collection (Field)	2.26.16
Data Collection (Surveys)	3.8.16
Hydrology and Hydraulics	3.18.16
Public Meeting	4.7.16 *
Alternative Analysis	5.23.16
Public Meeting	5.26.16 *
Final Delivery	6.27.16

* Tentative

Next Steps

- Finish Field Data Collection
- Complete Review of Existing materials
- Capture Stake Holder Input
- Begin Hydrology and Hydraulics



Stake Holder Survey



- Complete and hand in Before you leave
- If more time needed complete by 3.18.16 and submit to Bill Watson
- Additional information may also be given to Bill Watson (Digital Pictures, Narratives, etc.)



?? Questions ??



Thank You

Jim DeAngelo.com

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