

# El Paso AgriLife Research Center Update

Far West Texas Watershed

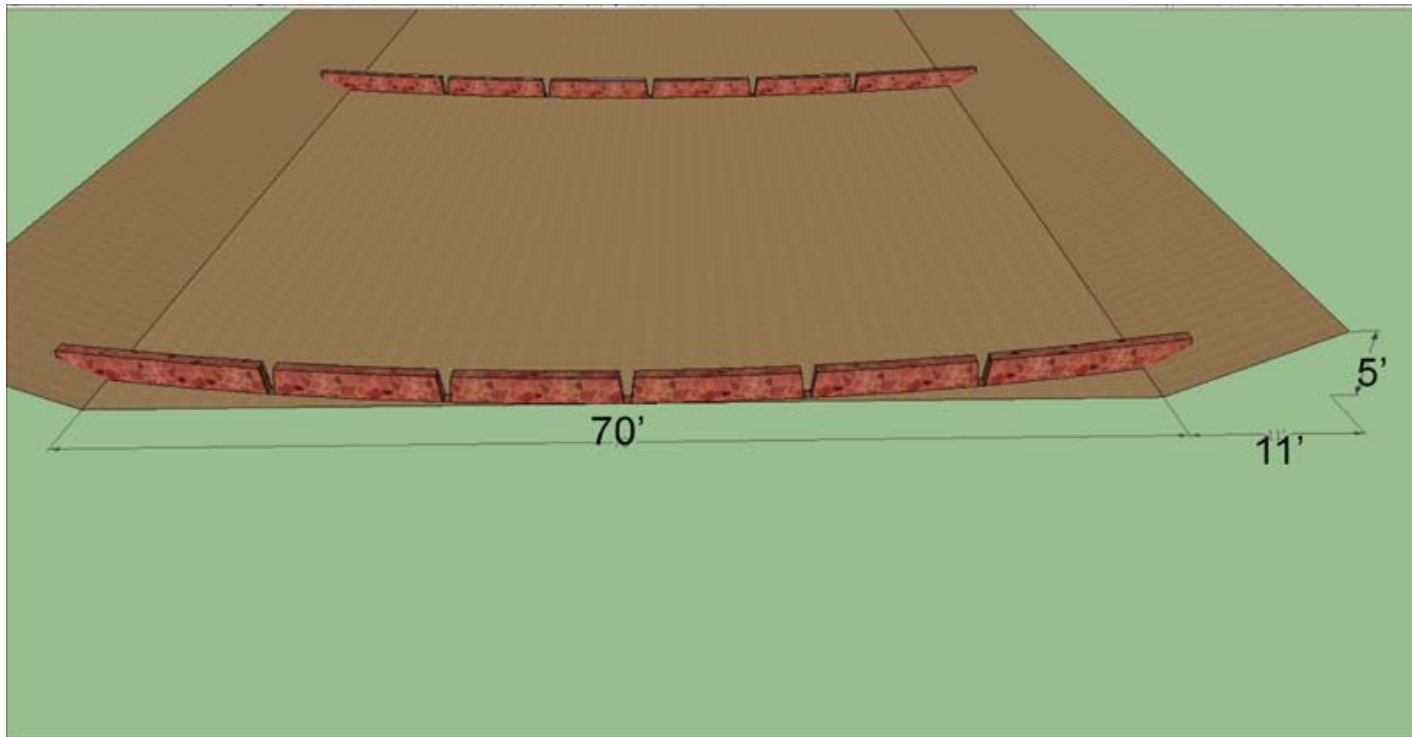
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**AGRI**LIFE  
RESEARCH

# Idea

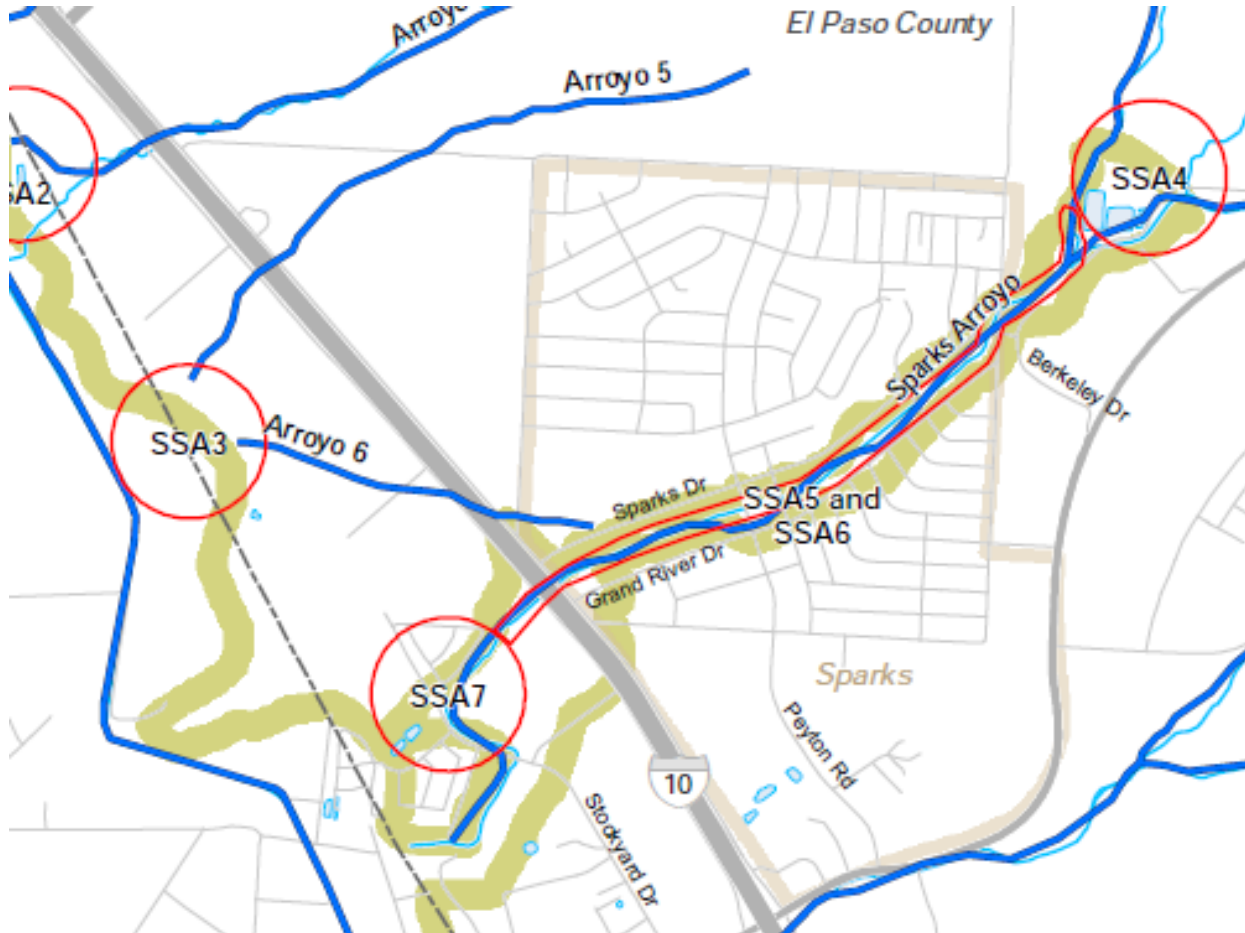
- ⦿ Developed white paper on alternate approach to handling flood waters in arroyos
  - ⦿ Used 2010 Stormwater Master Plan as a starting point to find target areas
    - ⦿ Sparks region became initial target
      - ⦿ None of the Stormwater Master Plan projects have been implemented in this region due to high expense
      - ⦿ Home development permitted in designated drainage retention areas
  - ⦿ Used a technical report authored by R.S. Marmolejo, Z. Sheng and J. Walton to demonstrate an alternate approach to concrete lined arroyos
    - ⦿ Slow down the water flow, beautify arroyos, replenish aquifer

# Technical Report AMRC10

Install check dams, plants, etc to slow water down. Modeling determines proper design



# Target Areas – SSA5 and SSA7



# Approach

- ⊙ Met with local elected officials to propose ideas and explain possible funding opportunities
  - ⊙ County Commissioner Vincent Perez
    - ⊙ Also met with Jose Landeros, Planning Department Director
  - ⊙ County Judge Richard Samaniego
    - ⊙ Also met with Nicole Ruiz, Executive Administrative Coordinator
- ⊙ Spoke with Water District Managers
  - ⊙ Fabens
  - ⊙ Tornillo
- ⊙ Meeting with Paso del Norte Health Foundation April 17<sup>th</sup>

# Results of meetings

- ⦿ Everyone is very excited about our interest and ideas for flood water management!
- ⦿ We are presenting an alternate approach to stormwater management at a good time
  - ⦿ County is working on a new Stormwater Plan
- ⦿ Recommended that we look at two main areas in Fabens and Tornillo
  - ⦿ Sparks is important but land responsibility is a bit confusing
- ⦿ Paso del Norte Health Foundation is working on the Paso del Norte Trail and the two efforts can work together

# New Target Area – FAB2

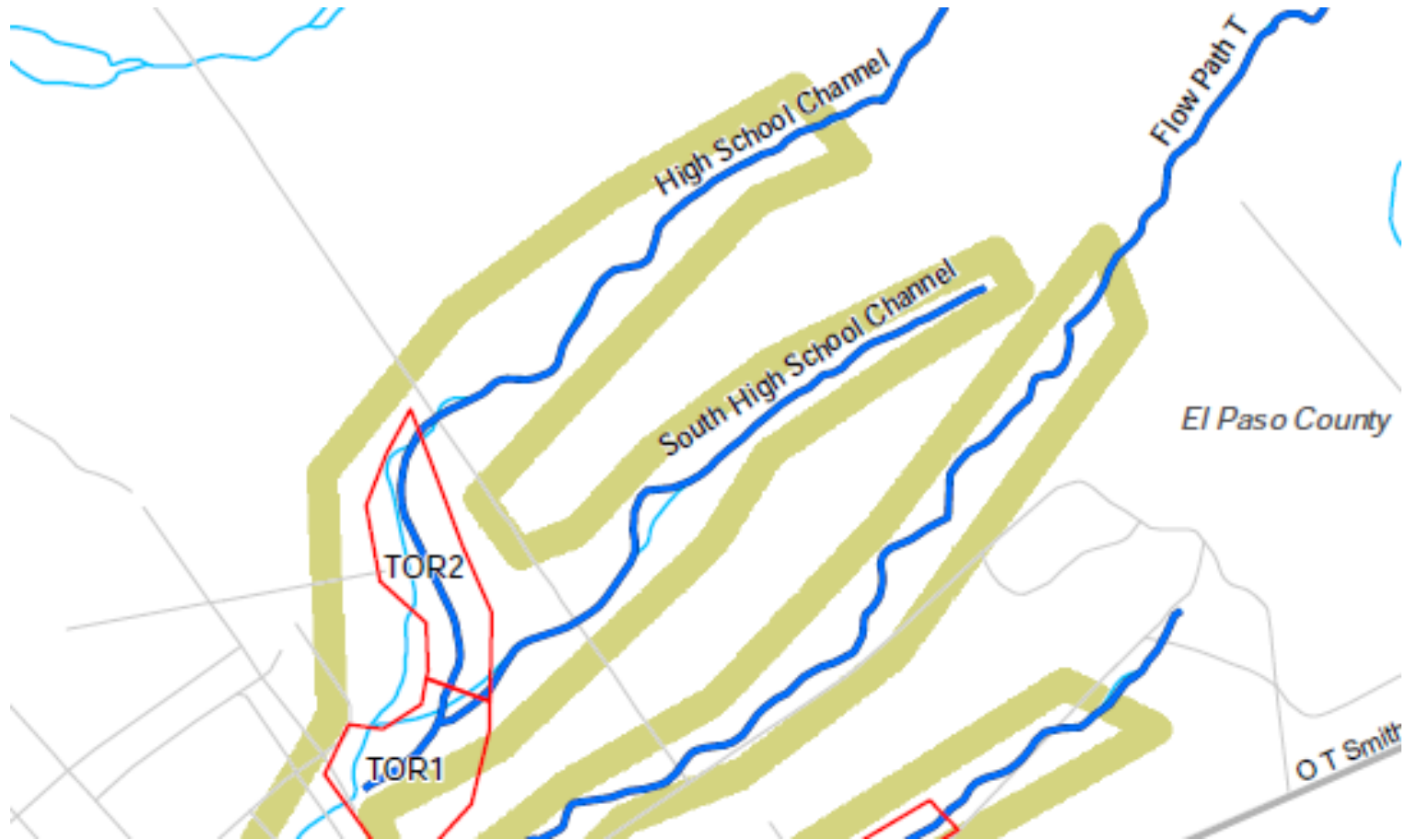


# FAB2





# New Target Areas – TOR2



# TOR<sub>2</sub>



# What happens next?

- ⦿ Continue to develop stakeholder interest
- ⦿ Potentially have an initial meeting to determine common goals
  - ⦿ Relationship to Paso del Norte Watershed Council
  - ⦿ Types of grants to target
  - ⦿ Other money available to implement stormwater research and projects
- ⦿ Apply for grants – BR Phase I grant coming out soon