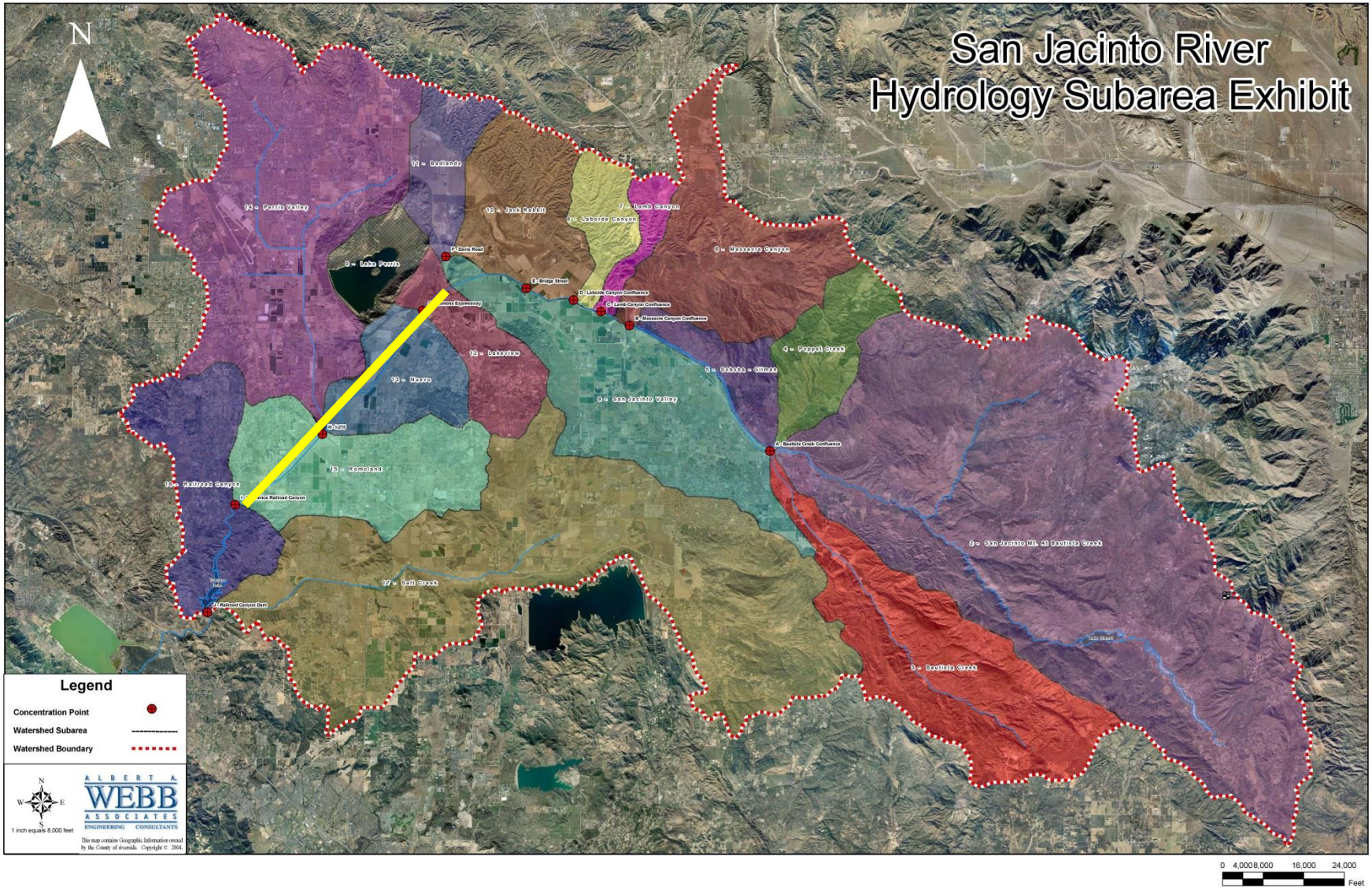
San Jacinto River/Perris Valley Storm Drain

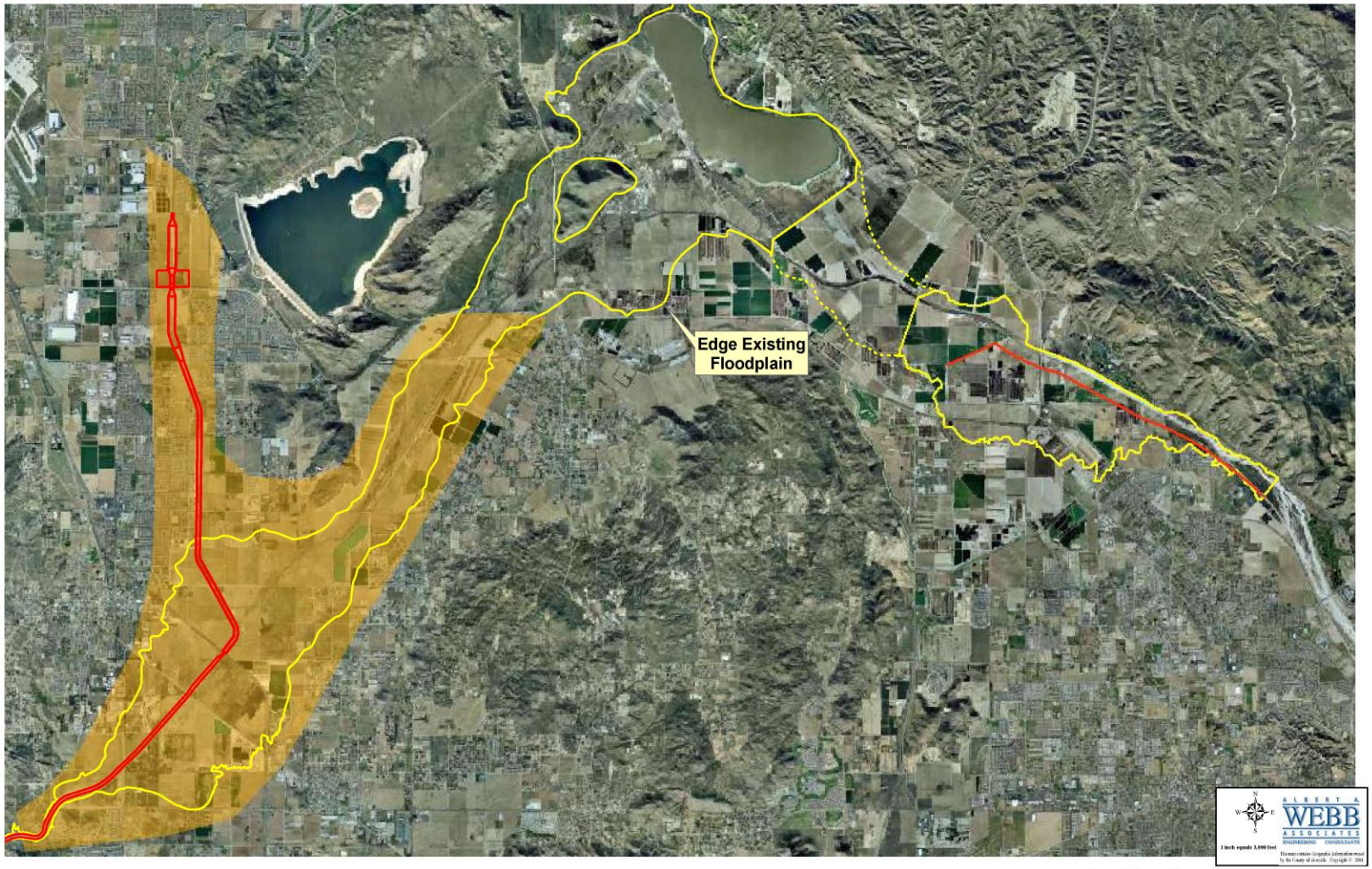
Stage III

Historical Background Update

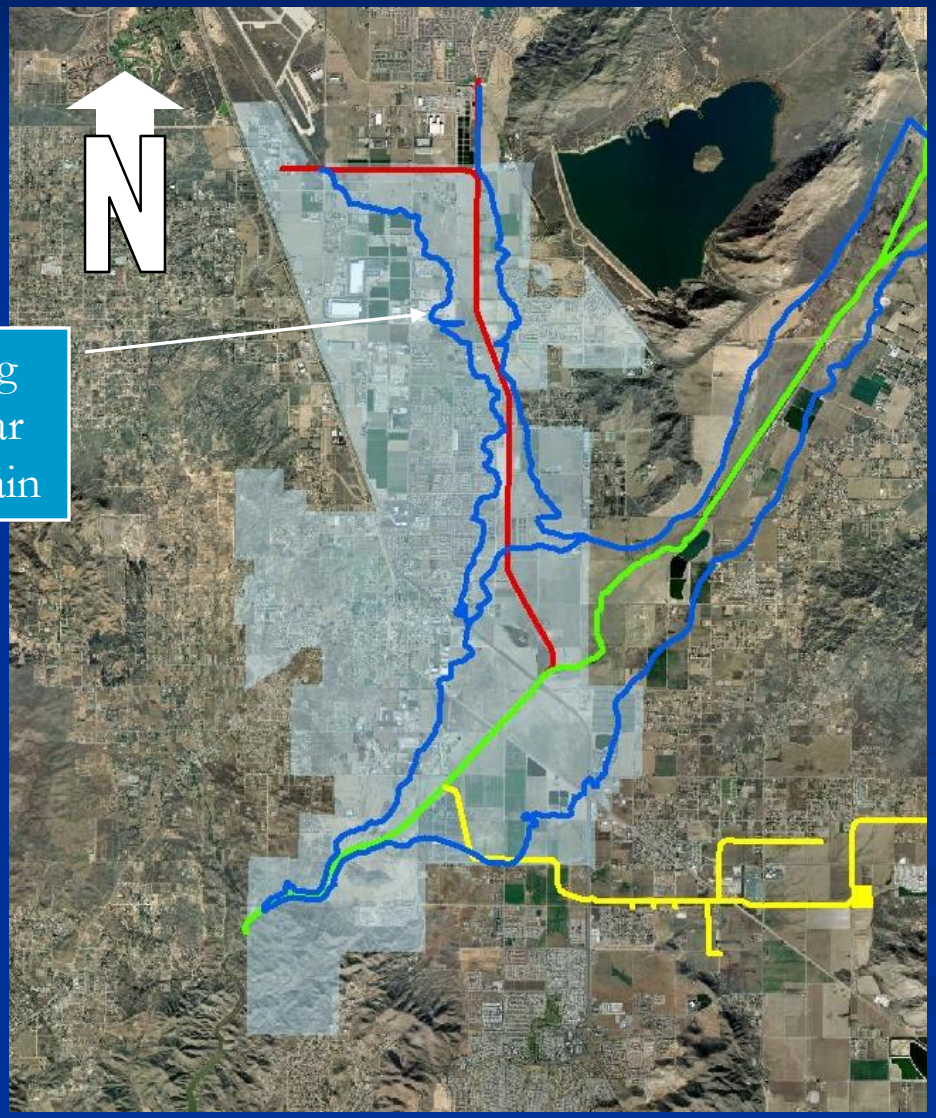
Lower San Jacinto River Advisory Committee

April 6, 2016


San Jacinto River
Hydrology Subarea Exhibit
N
11 - Badlands
14 - Perris Valley
10 - Bark Rabbit
7 - Lamb Canyon
2 - Laborde Canyon
6 - Massacre Canyon
8 - Lake Perris
F- Davis Road
E- Bridge Street
D- Laborde Canyon Confluence
C- Lamb Canyon Confluence
B- Massacre Canyon Confluence
12 - Lakeview
4 - Poppet Creek
13 - Nuevo
5 - Gobles - Gilman
9 - San Jacinto Valley
H- b215
A- Bautista Creek Confluence
15 - Romoland
16 - Railroad Canyon
2 - San Jacinto Mt. At Bautista Creek
17 - Salt Creek
J- Railroad Canyon Dam
1 - Bautista Creek
Legend
Concentration Point
Watershed Subarea
Watershed Boundary
1 inch equals 8,000 feet
ALBERT A WEBB ASSOCIATES
ENGINEERING CONSULTANTS
This map contains Geographic Information owned by the County of riverside. Copyright © 2004.
0 4,000 8,000 16,000 24,000
Feet


Edge Existing
Floodplain
ALBERT A
WEBB
ASSOCIATES
ENGINEERING CONSULTANTS
1 inch equals 3,000 feet

Flooding Impact



Existing 100-Year Floodplain

Historical Flooding

Historical Flooding -1969

Historical Flooding -1993

Chronology

- 1974 SJR Master Plan prepared
- 1987 ID 4-2 created
- 1987 Perris Valley Master Plan Prepared
- 1988 $2.62 Million in bonds issued
- 1996 Ad Hoc Property Owners Committee formed
- 2000 USFWS sets forth biological evaluation criteria
- 2000 Biological Assessment and Conservation Plan completed.
- 2001 Proposed jeopardy finding by USFWS
- 2001 MSHCP/SJR alternatives proposed

Chronology

- 2002 Property Owners counter with new plan
- 2002 Hydrology Work Group Coalition
- 2003 San Jacinto River Coalition
- 2004 MOU + MSHCP
- 2005 Develop San Jacinto River Stage III Alternatives
- 2005 Approval of Interim Development Criteria by County and City of Perris
- 2009 New Modelling and Mapping for the San Jacinto River Submitted to FEMA
- 2010 New Modelling and Mapping for the Perris Valley Storm Drain Submitted to FEMA
- 2011 All Modelling Approved by FEMA
- 2011 New Mapping (PMR) Initiated by FEMA
- 2014 New FEMA Maps Become Effective
- 2015 Supervisor Ashley Hosts San Jacinto River Landowners Meeting

Key Players of the San Jacinto River Coalition

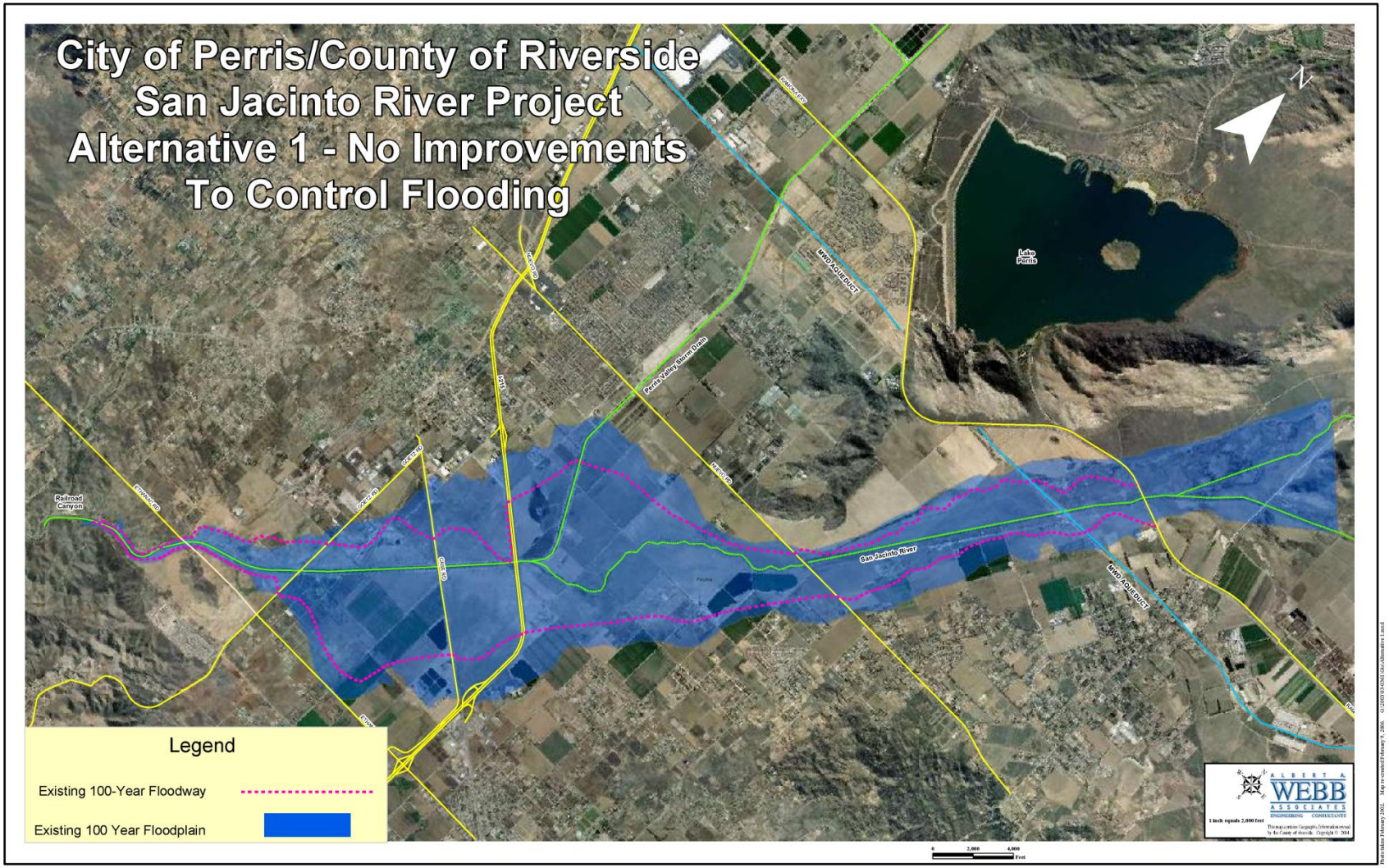
- Property Owners Group
- Riverside County Flood Control and Water Conservation District
- County of Riverside
- City of Perris

Objectives of the San Jacinto River Coalition

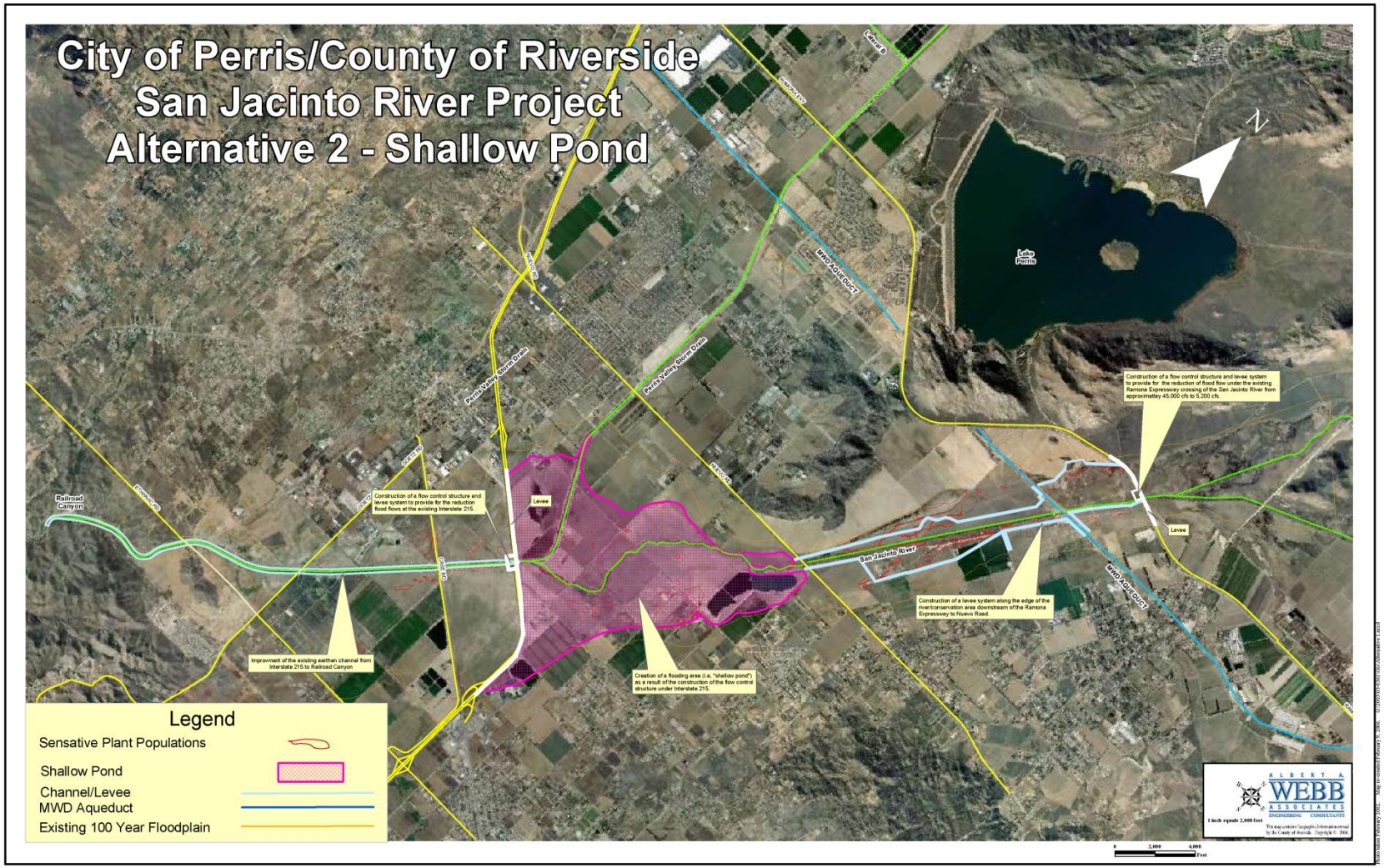
- Develop Jurisdictional Delineation (JD) - Completed
- Establish Interim Development Criteria - Completed
- Develop Alternatives Analysis – Substantially Complete
- Develop Environmental Impact Report (EIR)
- Obtain Necessary Permits
- Establish Funding Mechanism

Overview of the San Jacinto River Original Alternatives Analysis

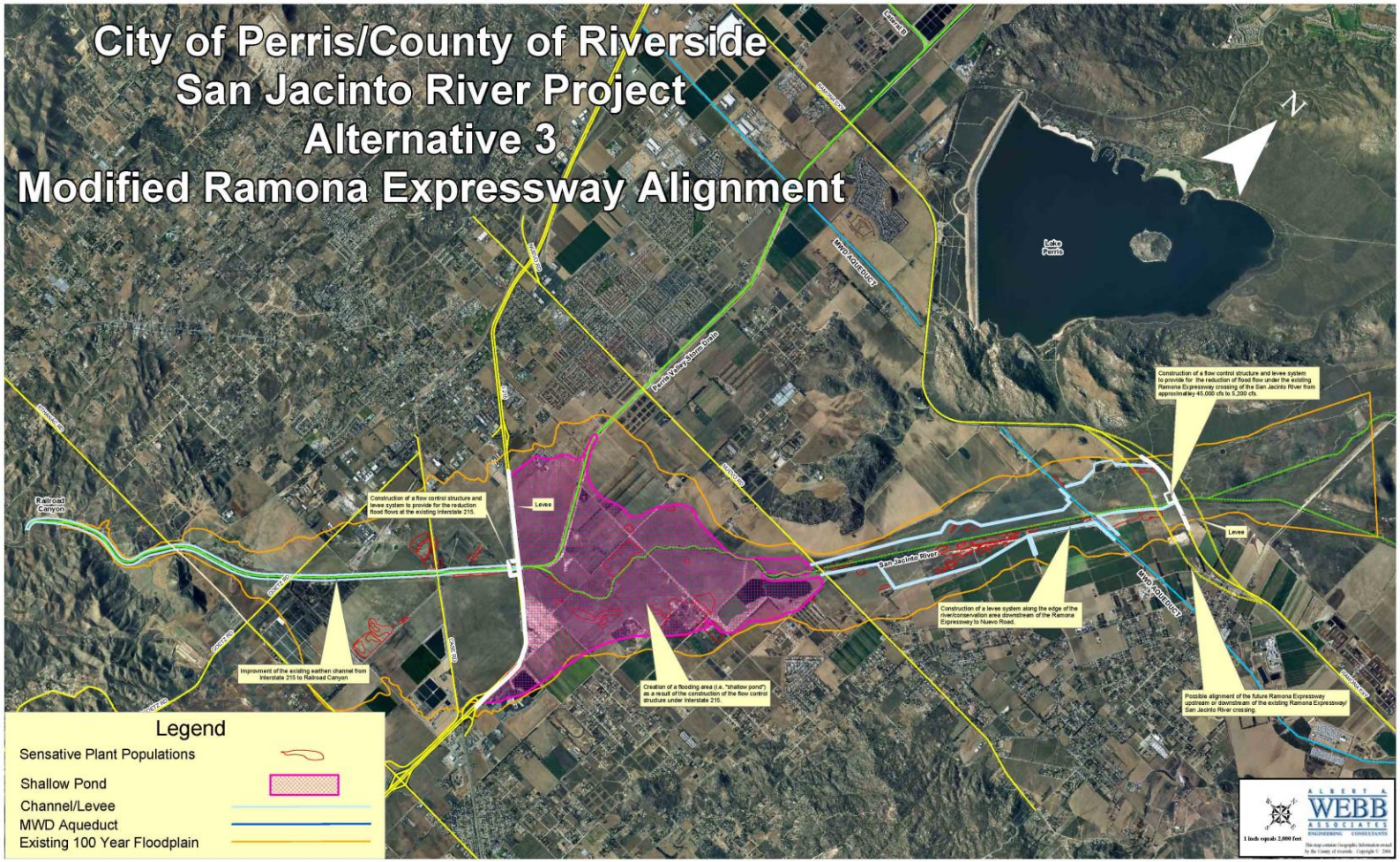
Alternative 1



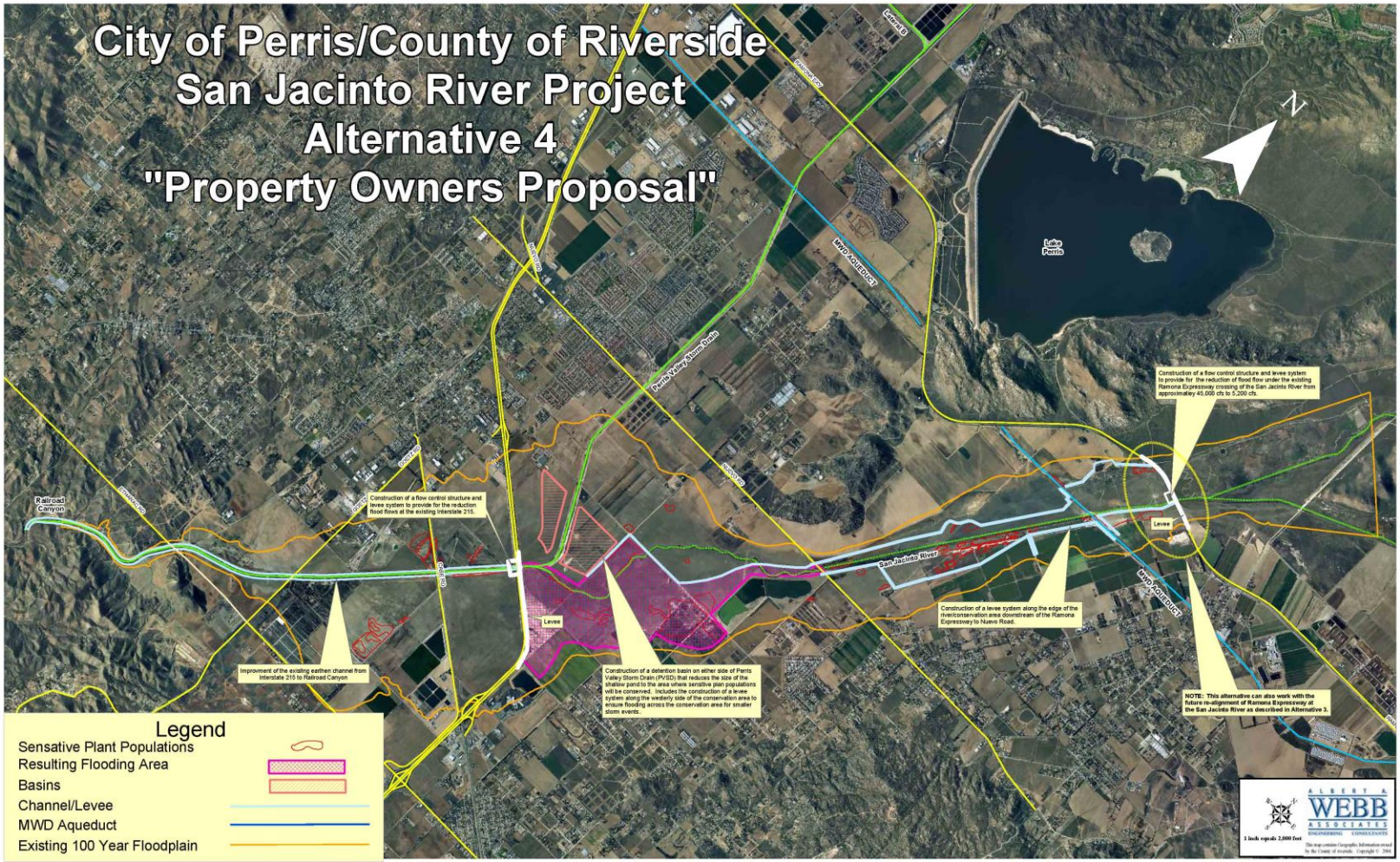
Alternative 2



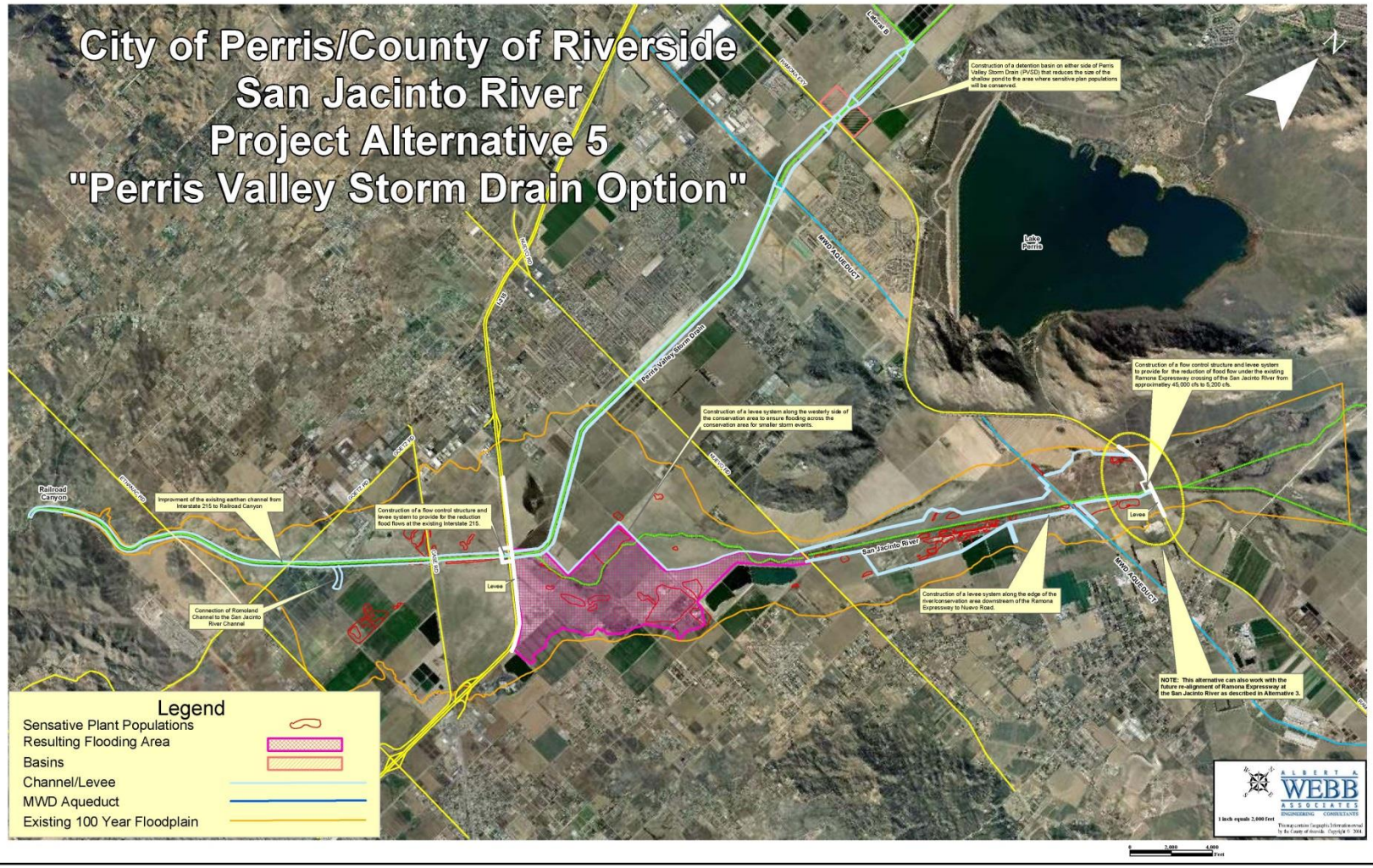
Alternative 3



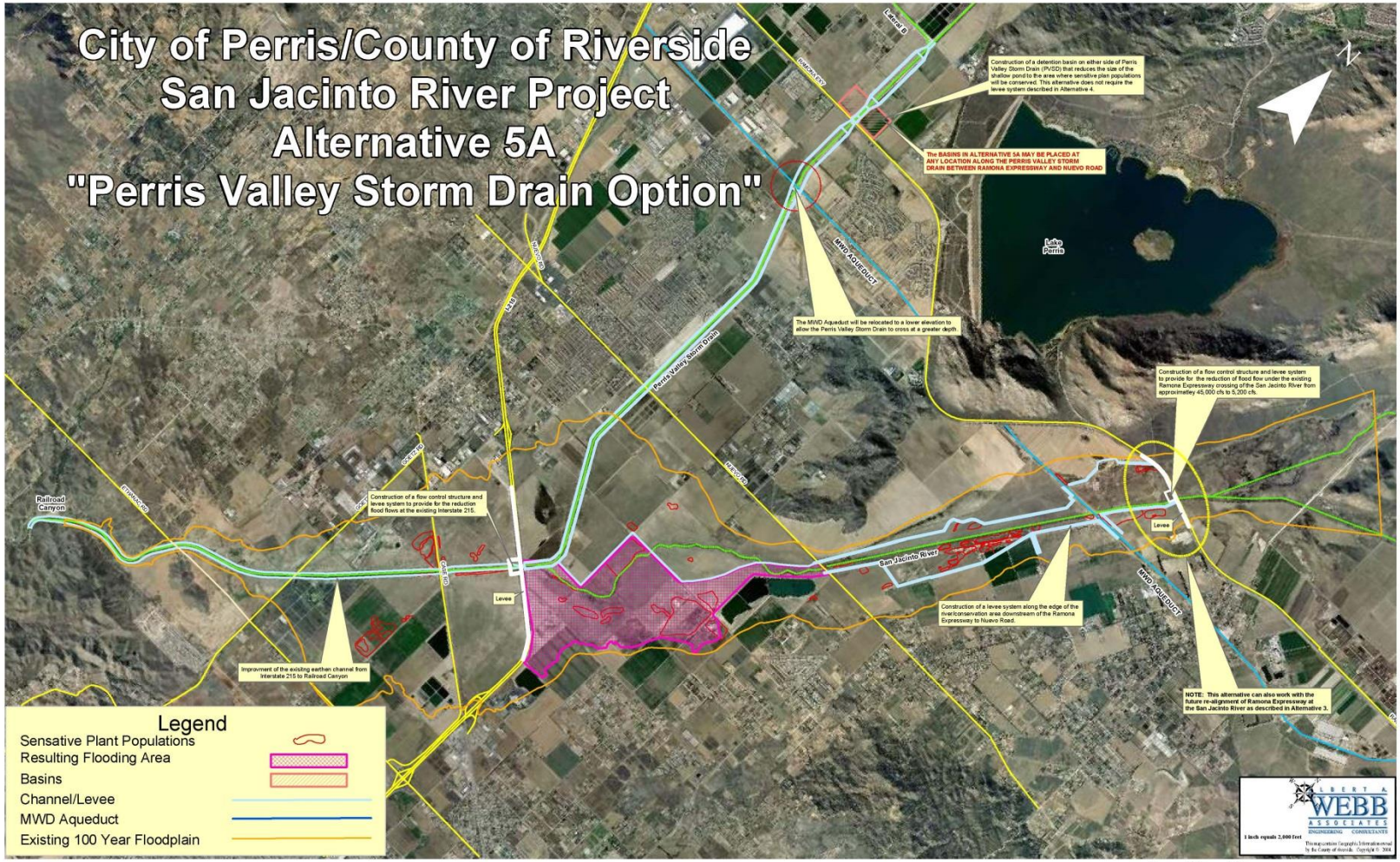
Alternative 4



Alternative 5



Alternative 5A



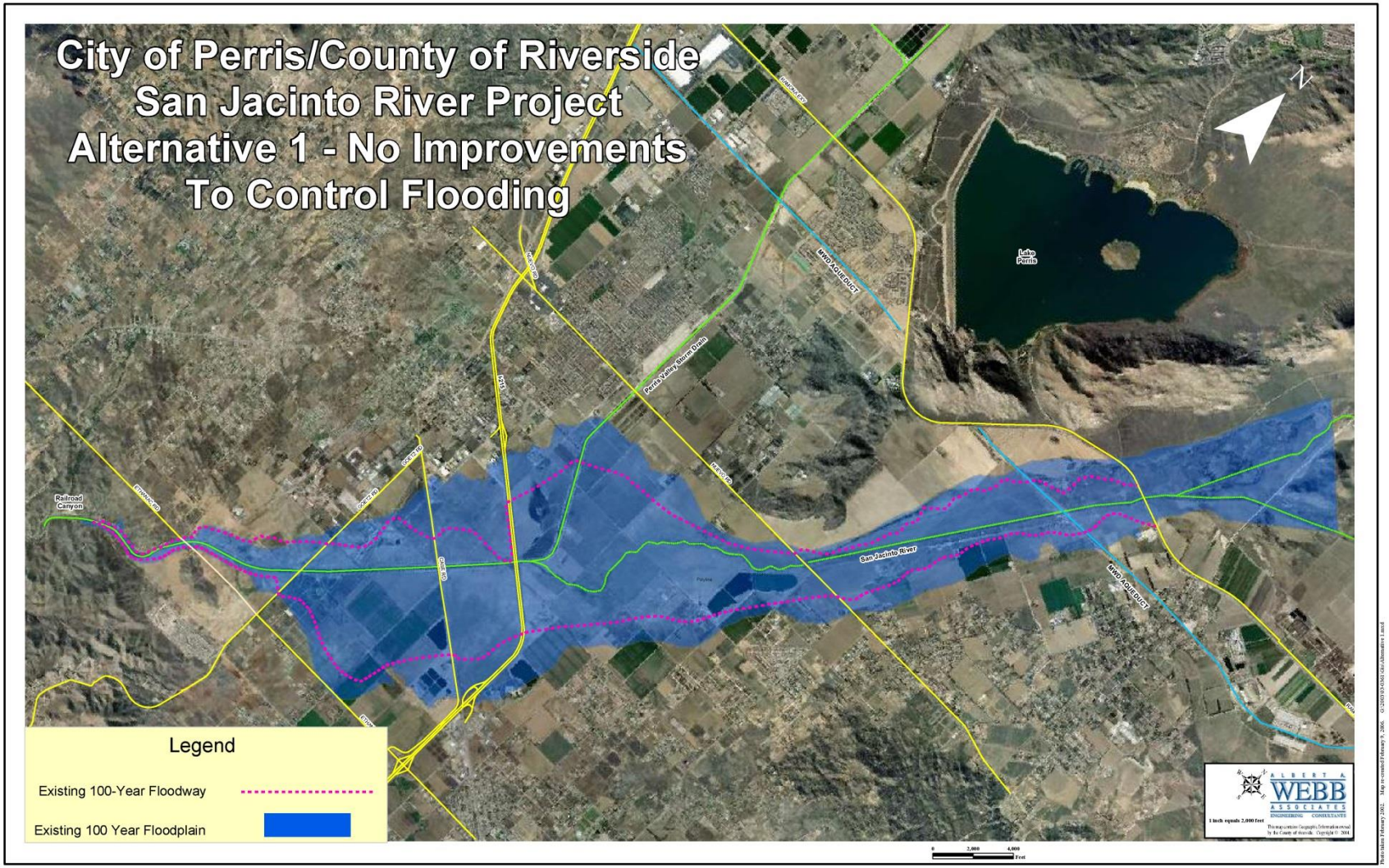
Detailed Discussion of Each Alternative with County Staff & Modifications

Meetings between January 11, 2007 to February 23, 2007

Alternative 1

- "Do Nothing" Alternative that provides for no protection of the major transportation corridors.
- Provide no mitigation for the MSHCP – land will continue to be farmed unless acquired by other means.
- Will only allow encroachment into the 100-Year Floodplain up to the Regulatory Floodway.

Alternative 1



Alternative 2

- Provides for protection of the major transportation corridors through the construction of a series of "flow-control" structures.
- Provides mitigation for the MSHCP through the various reaches.
- Uses levees and a "shallow pond" to provide hydrology for the sensitive plant populations.
- Does not allow for the complete implementation of the Perris Area Master Drainage Plan by providing an outlet for the Perris Valley Storm Drain without lowering the MWD Aqueduct.
- Does not account for the implementation of the MCP.

Alternative 3

- Provides for protection of the major transportation corridors through the construction of a series of "flow-control" structures.
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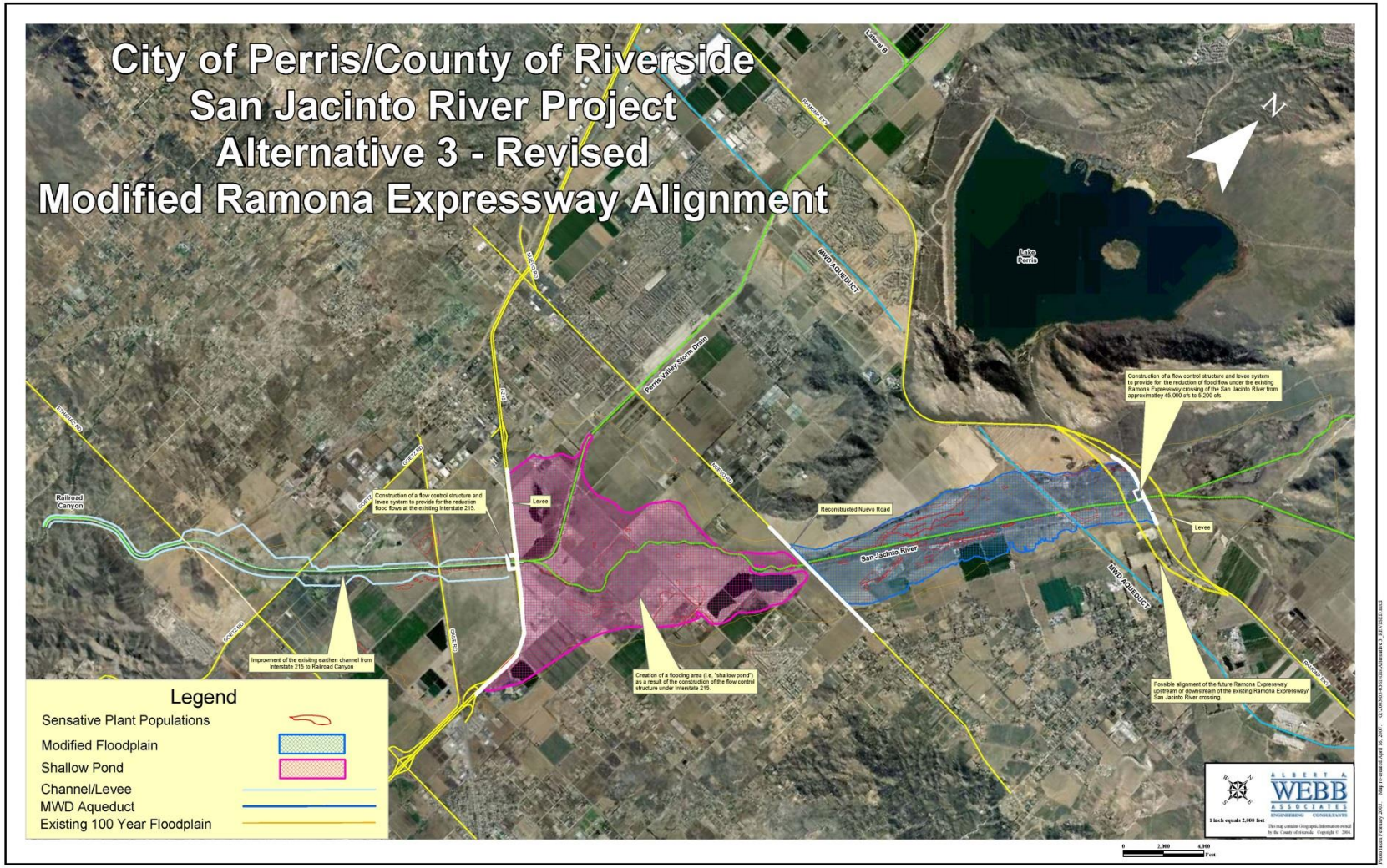
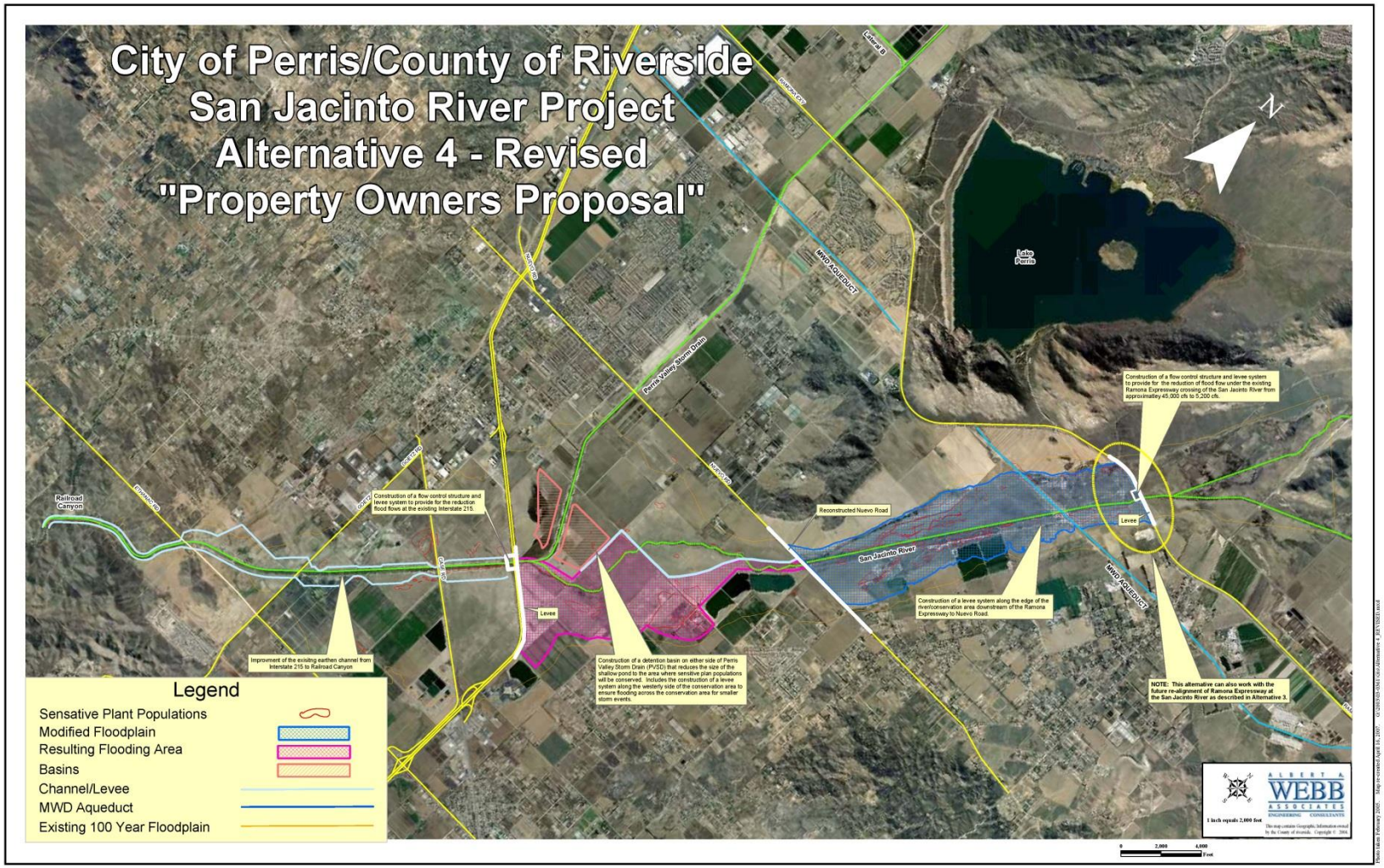


Alternative 4

- Provides for protection of the major transportation corridors through the construction of a series of "flow-control" structures.
- Provides mitigation for the MSHCP through the various reaches.
- Uses levees and a "modified shallow pond" to provide hydrology for the sensitive plant populations.
- Shallow pond is modified by the inclusion of "Scalping Basins" to hold the peak runoff from severe storm events.
- Does not allow for the complete implementation of the Perris Area Master Drainage Plan by providing an outlet for the Perris Valley Storm Drain without lowering the MWD Aqueduct.
- Accounts for the implementation of the MCP.

Alternative 4



Alternative 5

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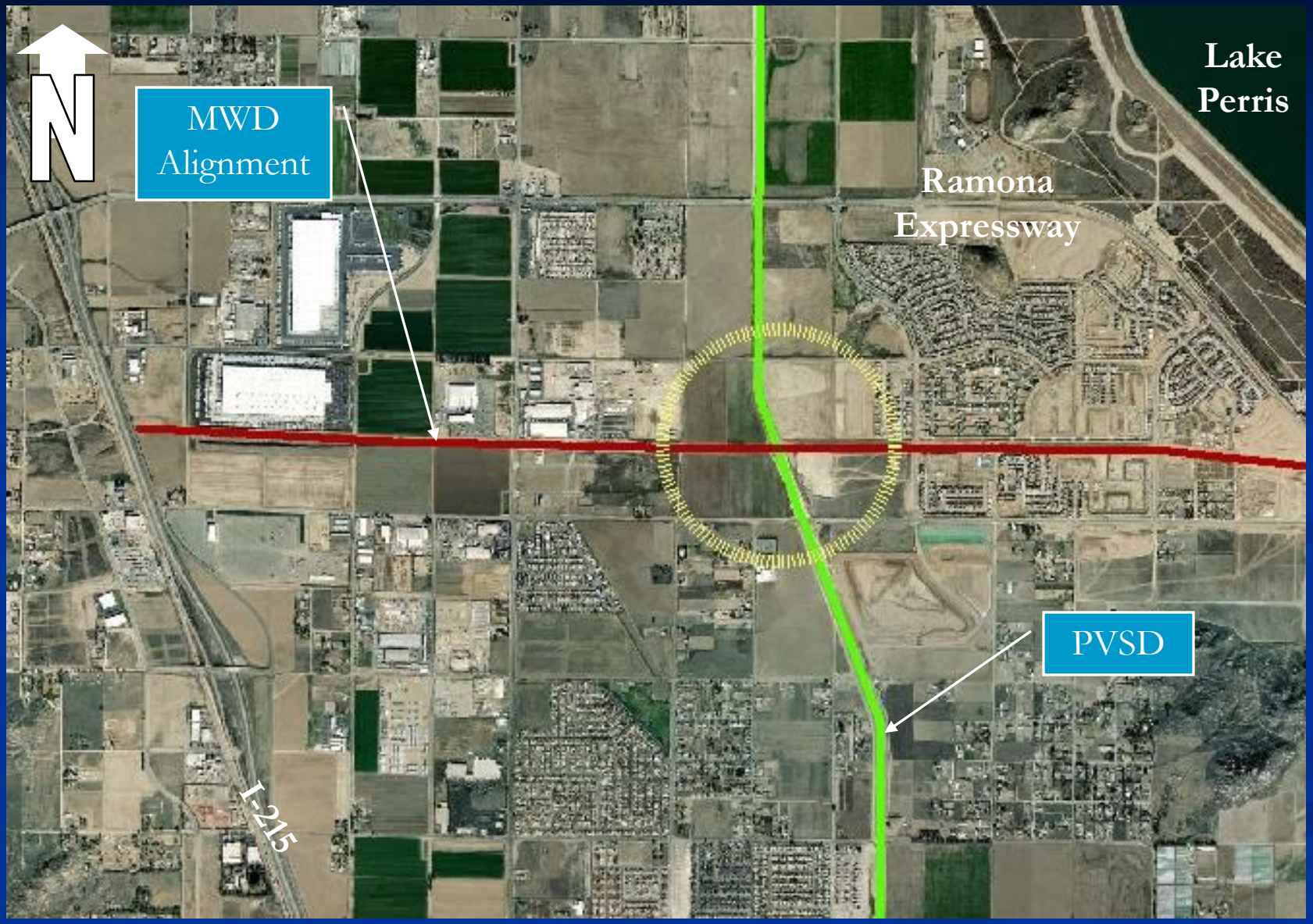
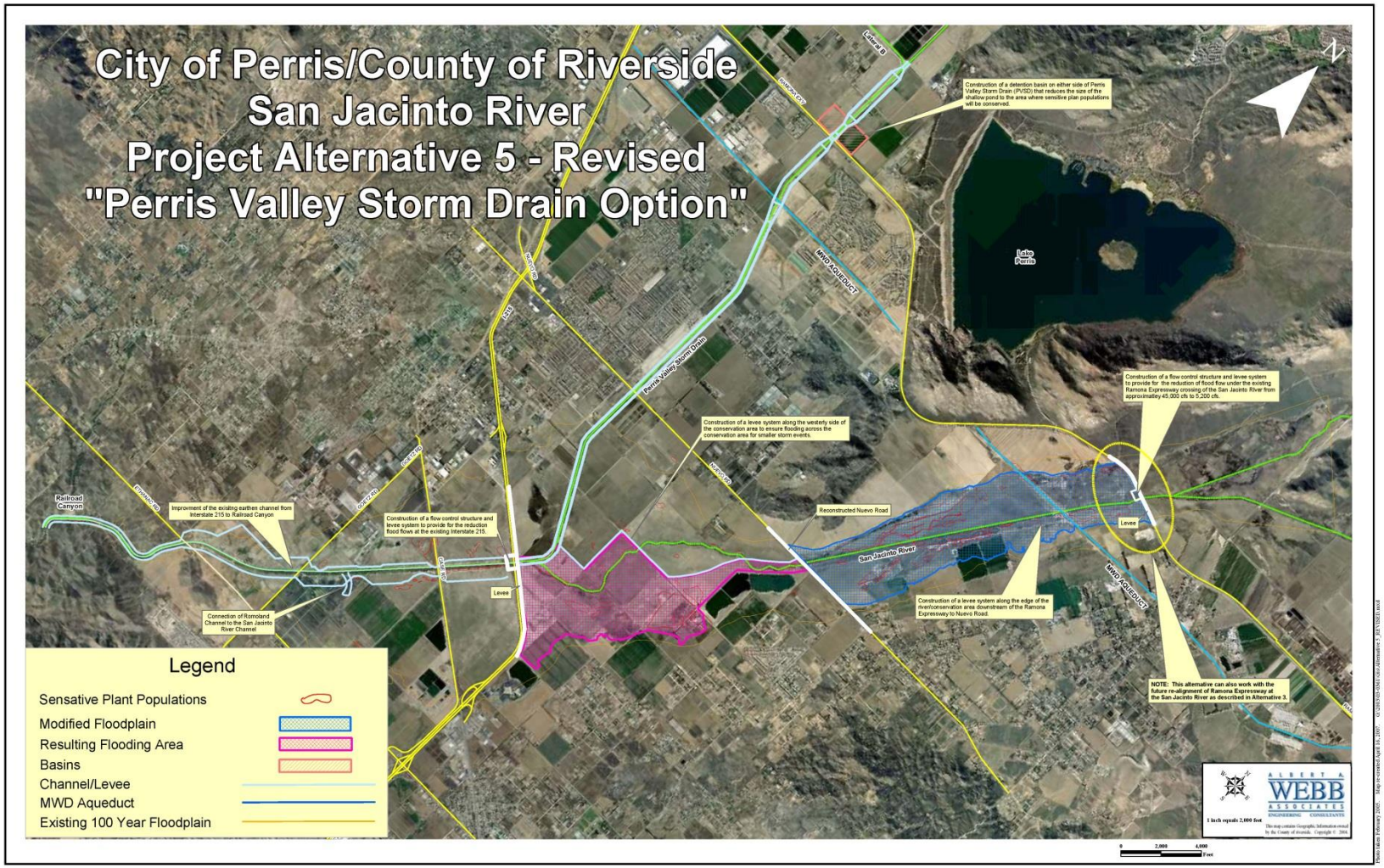
- Allows for the complete implementation of the Perris Area Master Drainage Plan by providing an outlet for the Perris Valley Storm Drain without lowering the MWD Aqueduct.
- Accounts for the implementation of the MCP.

MWD CROSSING ISSUES

- Two 13.5’ Diameter Colorado River Aqueduct Lines That Cross PVSD
- Conflict With Original Master Plan Design Of PVSD
- $25 -$30 Million+ To Relocate Lines
- 5 MDP Laterals Above The MWD Crossing


N
MWD
Alignment
Lake
Perris
Ramona
Expressway
PVSD
I-215

Alternative 5



Alternative 5A

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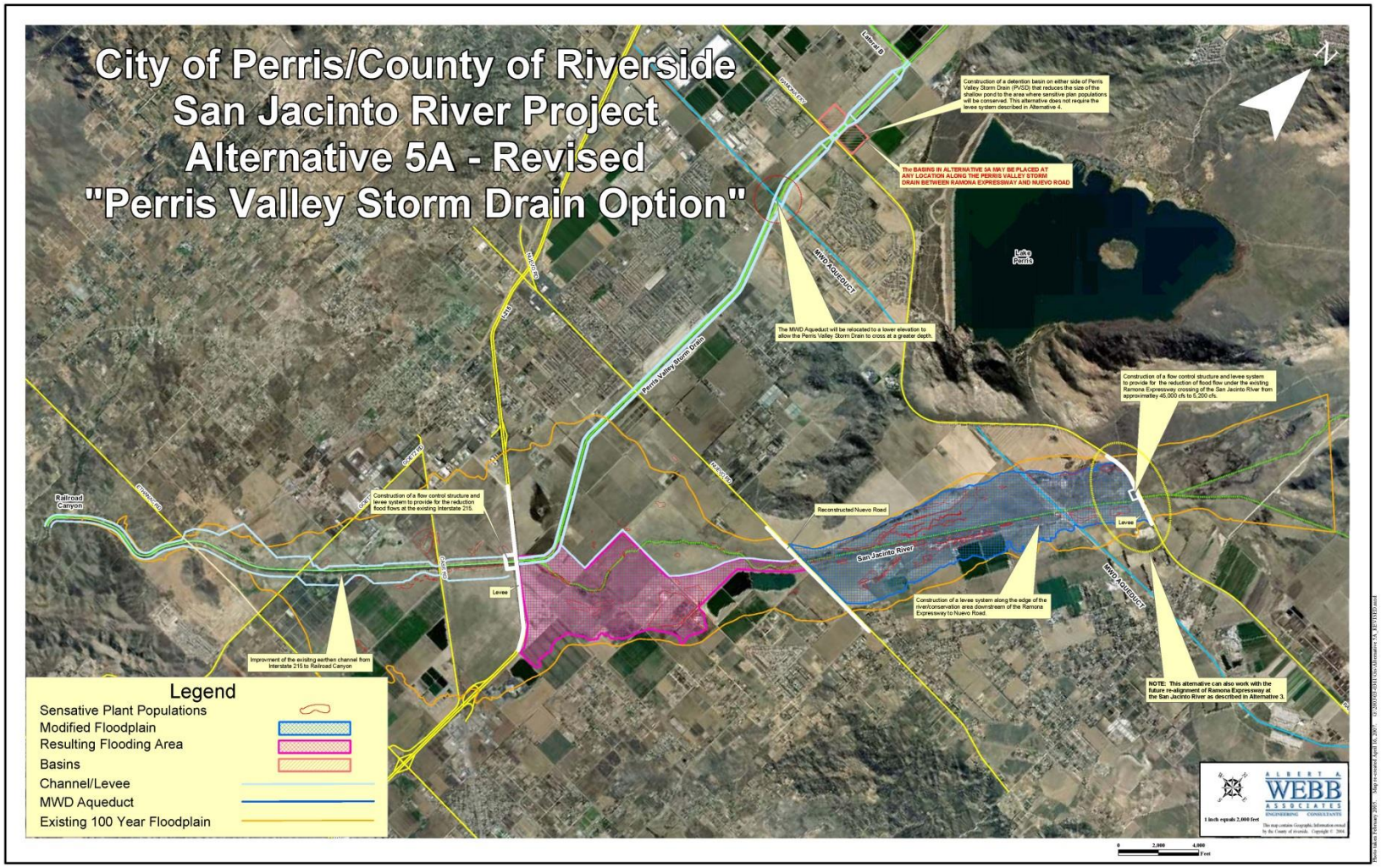
Alternative 5A



QUESTIONS ?