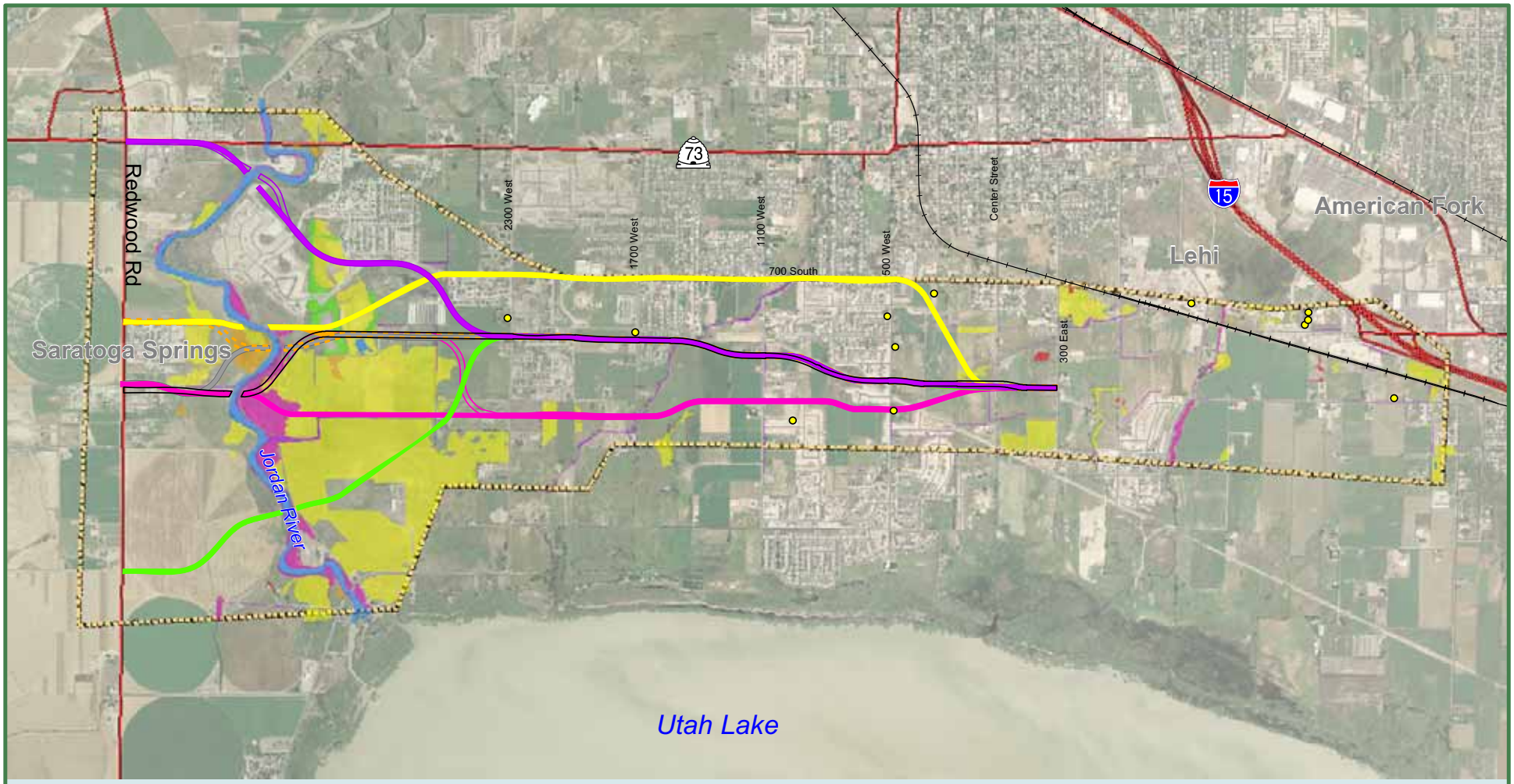

Legend

- Eligible Historic Structure
- Major Road
- Local Road
- Project Study Area

Wetland Type

- Ditch
- Open Water
- PEM
- PFO
- PSS
- Riparian
- Spring

N
W E
S

0 0.5 1 Miles

Alternative Alignments Considered
for the East-West Connector
Exhibit 1

EAST-WEST CONNECTOR
American Fork • Lehi • Saratoga Springs

Wednesday, October 31, 2007 9:49:59 AM
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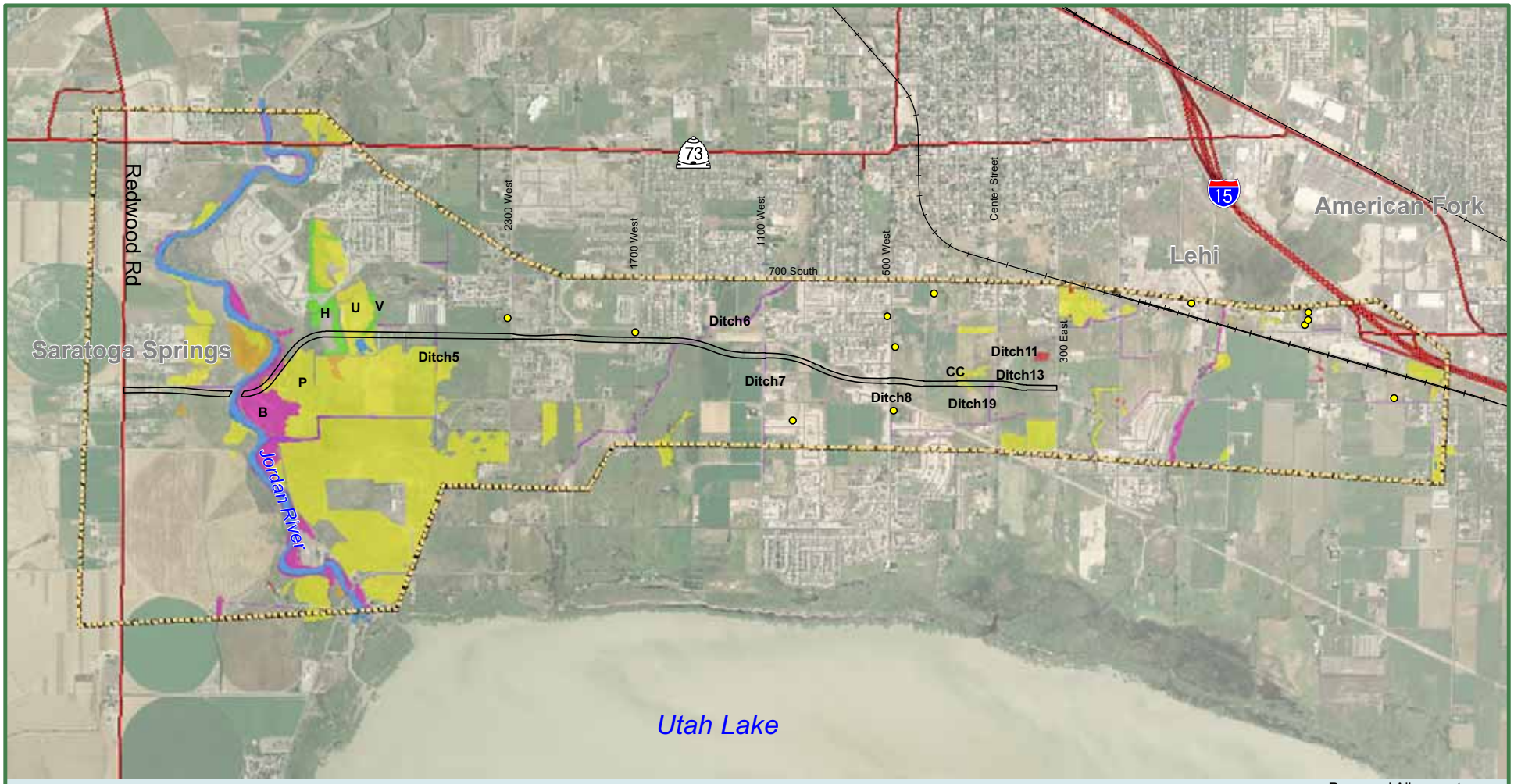

Legend

- Eligible Historic Structure
- Major Road
- Local Road
- Proposed Alignment
- Project Study Area

Wetland Type

- Ditch
- Open Water
- PEM
- PFO
- PSS
- Riparian
- Spring

N
W E
S

0 0.5 1 Miles

Proposed Alignment
for the East-West Connector
Exhibit 2

EAST-WEST CONNECTOR
American Fork • Lehi • Saratoga Springs

Wednesday, October 31, 2007 10:13:16 AM
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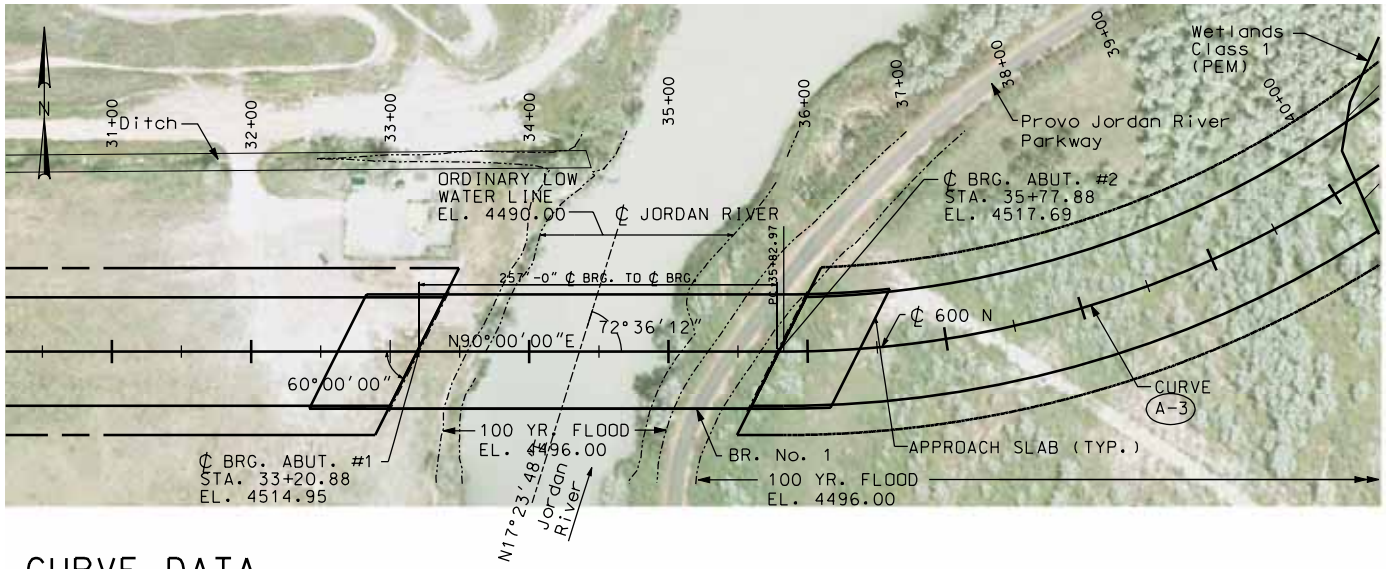


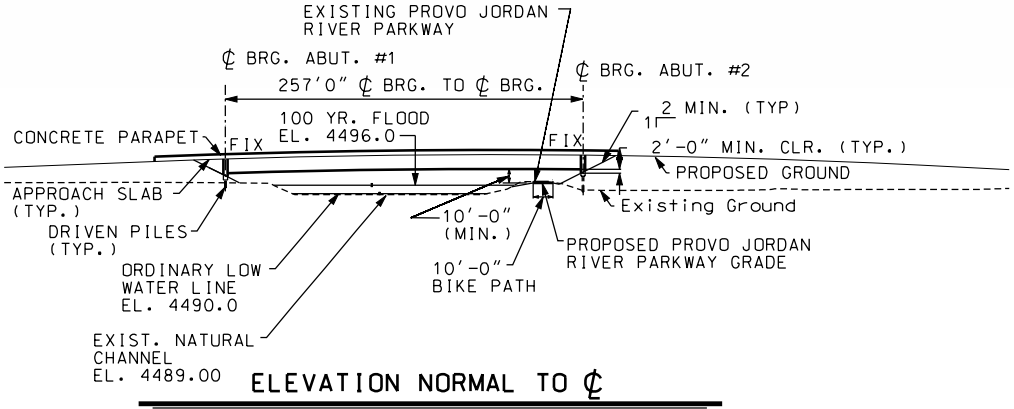
CURVE DATA

A-3

△ = 52°42'16"
Dc = 7°38'22"
R = 750.00'
L = 689.90'
T = 371.52'
PI = 39+54.50
PC = 35+82.97
PT = 42+72.87

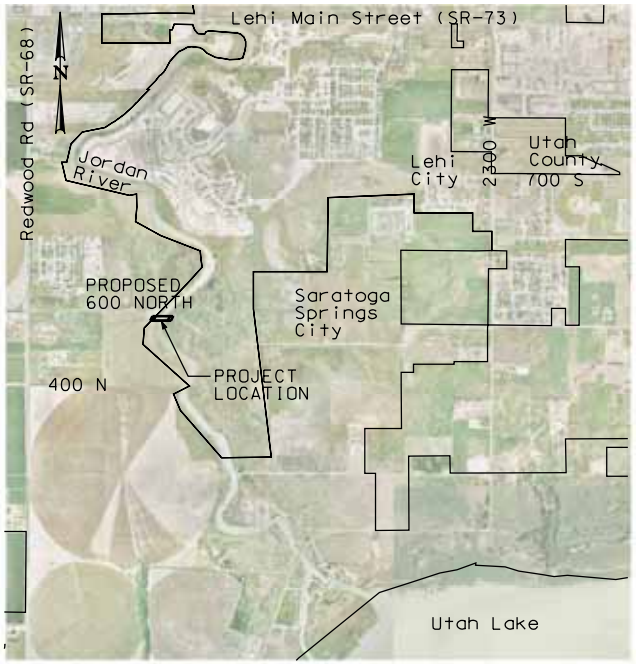
PLAN

Feet 0 50 100



ELEVATION NORMAL TO ℄

Feet 0 50 100



VICINITY MAP

FEET 0 2000 4000

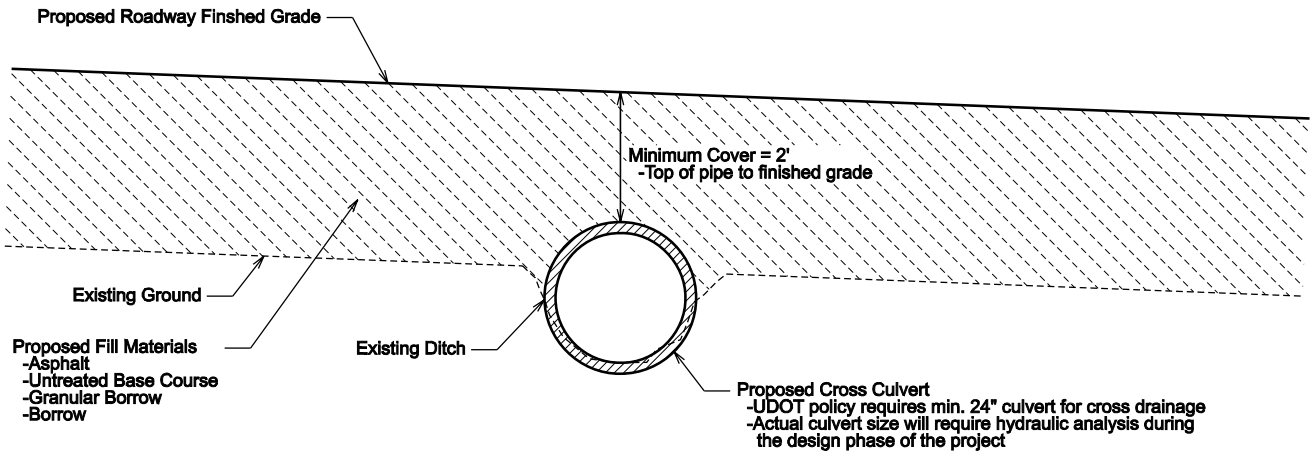
PROPOSED CROSSING OF JORDAN RIVER
LEHI CITY, UTAH COUNTY, UTAH STATE

SHEET 1 OF 1

10/3/07

EAST-WEST CONNECTOR
American Fork • Lehi • Saratoga Springs

P:\project\22763 East-West Connector\5992.07\Sheet_Files\Structures\600 North\Permit_600.dgn
10/18/2007



Typical Cross Culvert Cross Section

Notes:

1. Some pipe manufacturers have a minimum cover requirement of less than two feet. However, UDOT policy requires two feet of cover, and construction convenience would require that the pipe not project into the granular borrow layer of the pavement section. This could make a higer minimum cover desirable.

2. Due to minimum cover requirements, grading will be required behind sidewalks. If it is assumed that the back of walk will be three feet above existing ground to accomodate pipe cover, and that a grading rate of 4:1 is used, it would take an additional 12' on both sides of the roadway to grade out the culvert. This would result in a minimum culvert length of 130' (106' for the Roadway and 24' of grading).

3. 24" Pipe culverts should be adequate for most of the culvert crossings along the corridor, however pipes will not be sized until hydraulic analysis has been completed.

PROPOSED TYPICAL DITCH CROSSINGS

SHEET 1 OF 1

10/3/07

EAST-WEST CONNECTOR
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10/3/2007