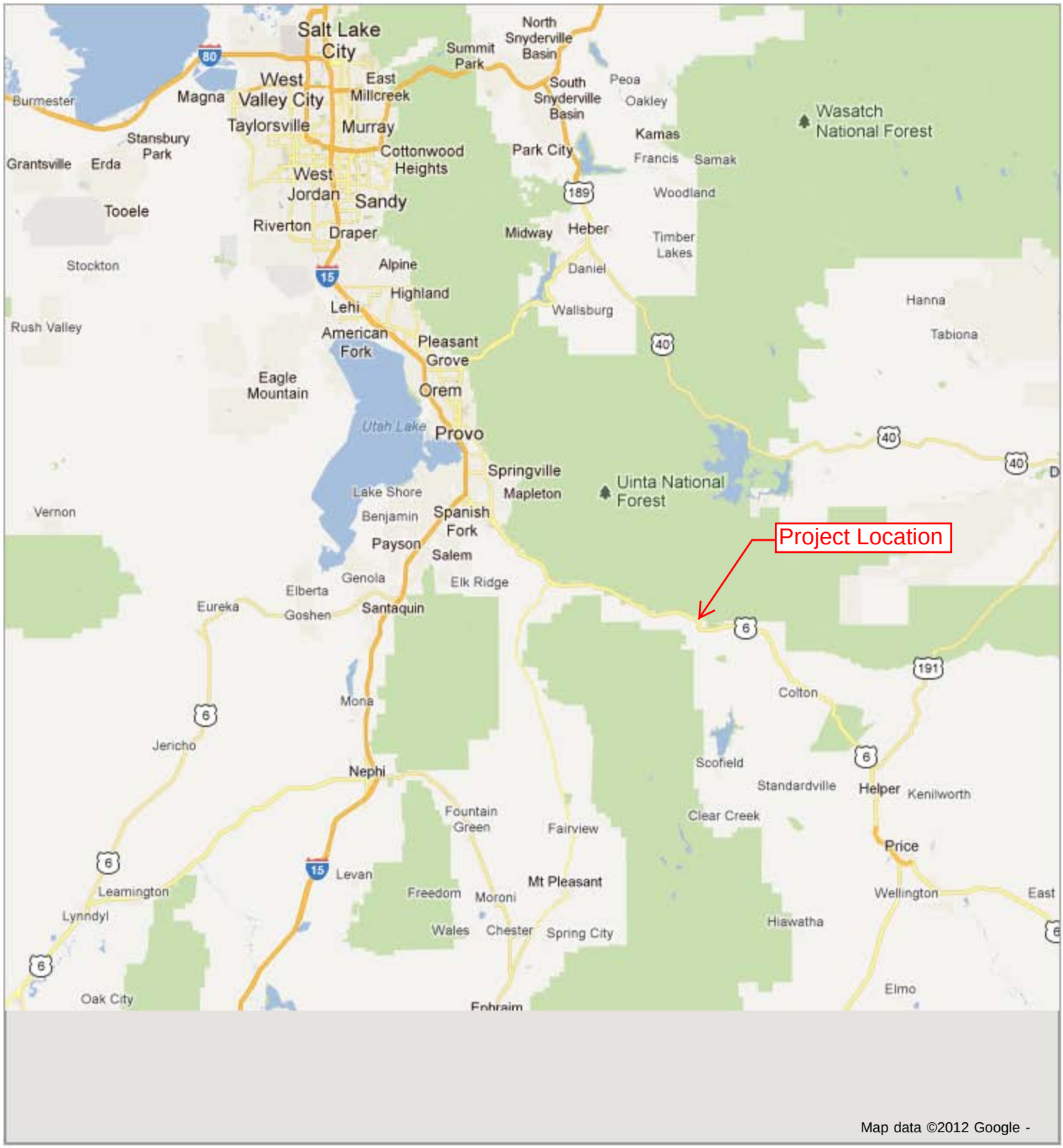
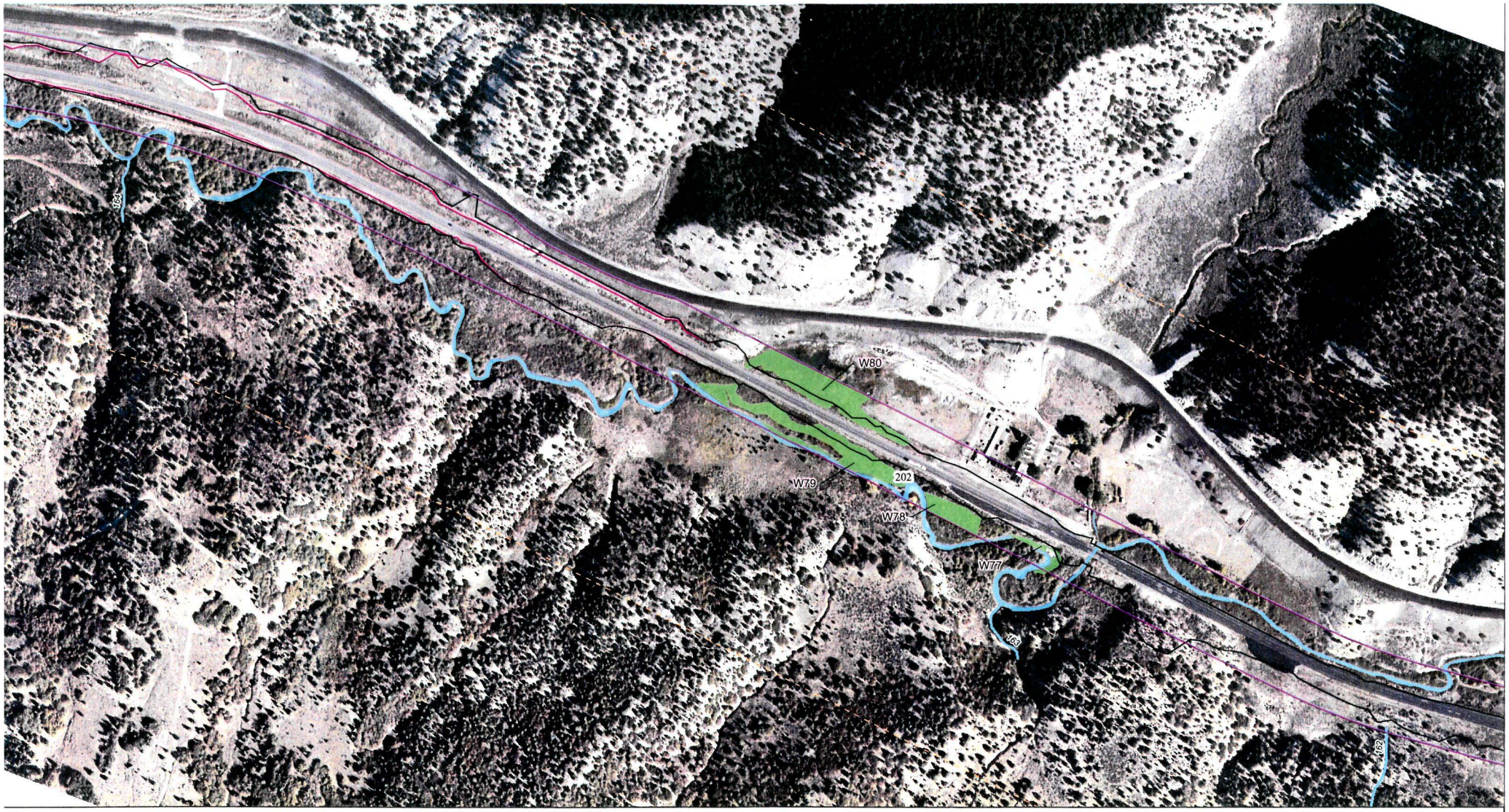



Figure 1- Project Location Map




SWCA

1:4,800

0 200 400 800 Feet

**Data Point**
- Culvert
- Observation Point
- Upland
- Wetland

**Wetland Area**
- Intermittent Stream
- Open Water
- PEM1
- PSS1

**Wetland Line**
- Canal
- Ditch
- Drain
- Ephemeral Wash

- Milepost
- 4 Lane
- Passing Lane
- SWCA Delineation Boundary
- Wetland Resources Delineation Boundary
- 2000 ft. Assessment Corridor

# US 6 EIS Wetlands Delineation

Map 016 of 104

Printed: 9:48 am 11/10/2004
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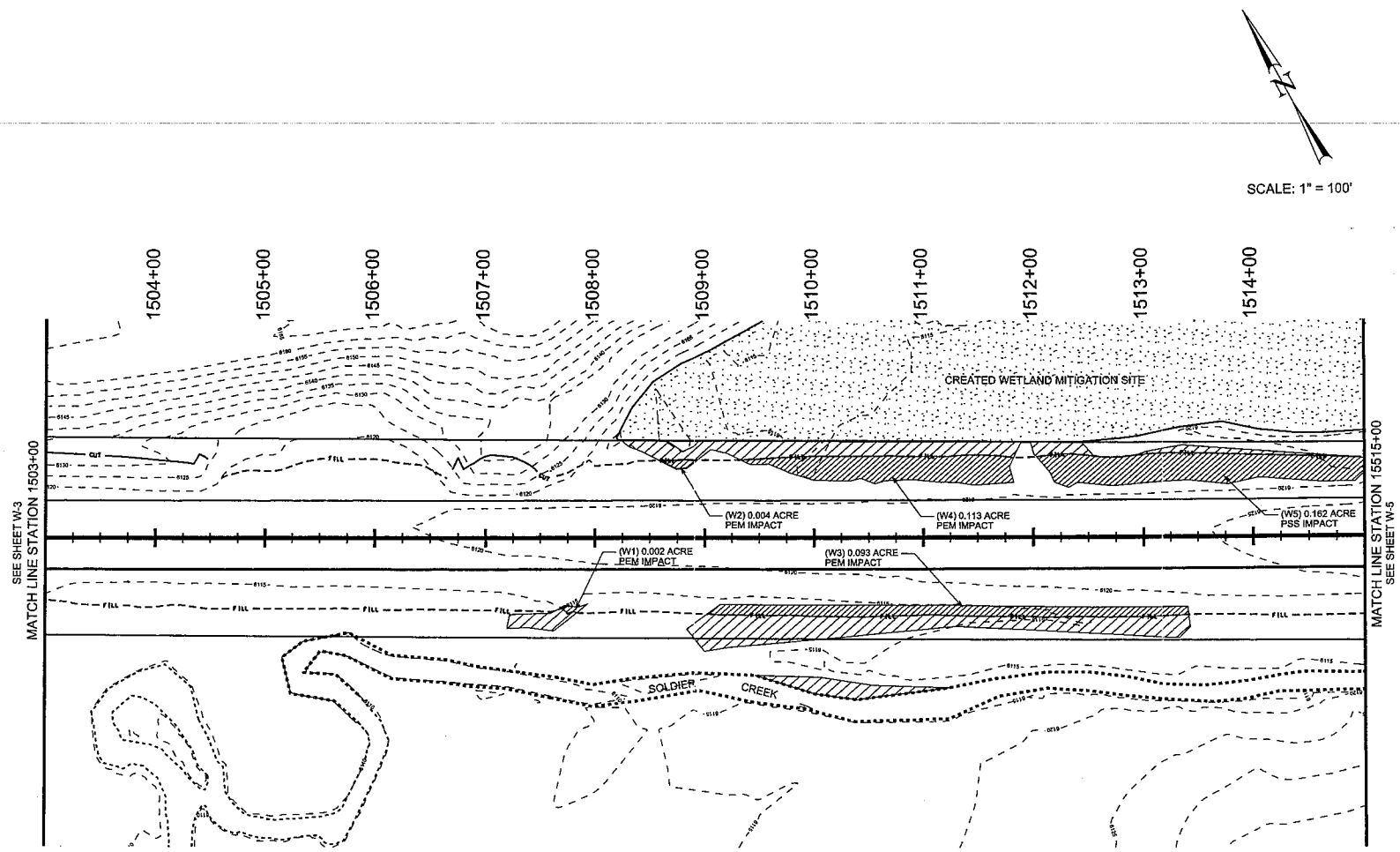



## WATERS OF THE U.S. LEGEND

- WETLAND
- WETLAND IMPACT AREA
- PERENNIAL STREAM OHWM
- STREAM IMPACT AREA
- EXISTING WETLAND MITIGATION

| WOUS IMPACTS THIS SHEET | | |
|---|---|---|
| NO. | ACRE IMPACT | TYPE |
| W1 | 0.002 | PEM |
| W2 | 0.004 | PEM |
| W3 | 0.093 | PEM |
| W4 | 0.113 | PEM |
| W5 | 0.162 | PSS |

NO STREAM IMPACTS ON THIS SHEET

REVISIONS

| NO. | DATE | APPROVED BY | REMARKS |
|---|---|---|---|

UTAH DEPARTMENT OF TRANSPORTATION

DRAWN BY

QC CHECKED BY

APPROVED

MM/DD/YY

DATE

LANDSCAPE ARCHITECT

PROJECT: US-6; MP 201 TO 203; SKYVIEW TO TUCKER

PROJECT NUMBER: F-0006(126)201

PIN: 8086

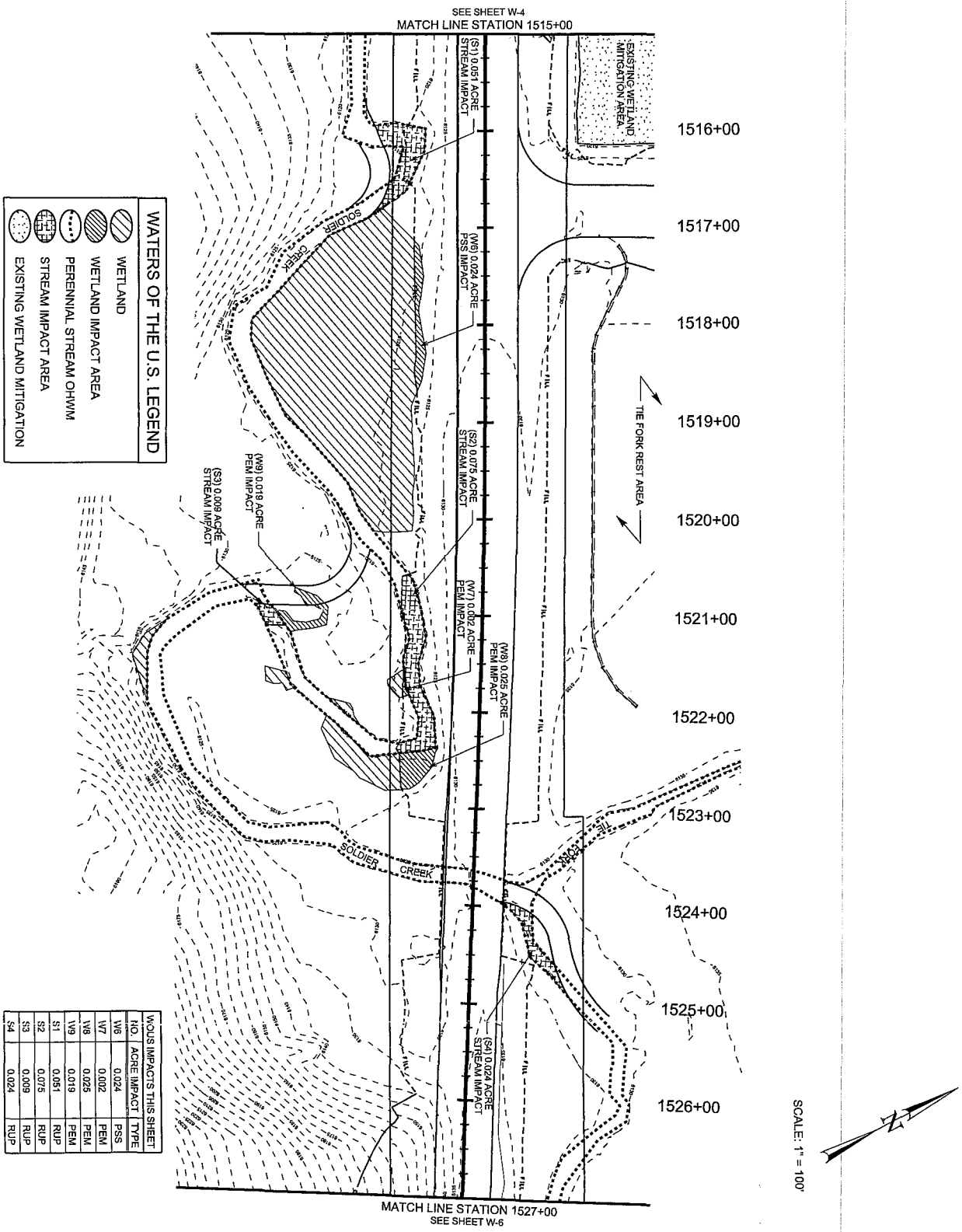
WETLAND AND STREAM IMPACTS

SHEET NO. W-4

DGN File: IP_PWPsdms4\9389\8086_WET4.dgn

11-APR-2012

11-APR-2012 DGN File: IP_PWP:dms49380\8086_WET5.dgn




| WOUS IMPACTS THIS SHEET | | |
|---|---|---|
| NO. | ACRE IMPACT | TYPE |
| W6 | 0.024 | PSS |
| W7 | 0.002 | PEM |
| W8 | 0.025 | PEM |
| W9 | 0.019 | PEM |
| S1 | 0.051 | RUP |
| S2 | 0.075 | RUP |
| S3 | 0.009 | RUP |
| S4 | 0.024 | RUP |

| | | | |
|---|---|---|---|
| SHEET NO. W-5 | PROJECT | US-6; MP 201 TO 203; SKYVIEW TO TUCKER | UTAH DEPARTMENT OF TRANSPORTATION |
| | PROJECT NUMBER | F-0006(126)201 PIN 8086 | APPROVED |
| | | WETLAND AND STREAM IMPACTS | LANDSCAPE ARCHITECT — MM/DD/YY DATE |

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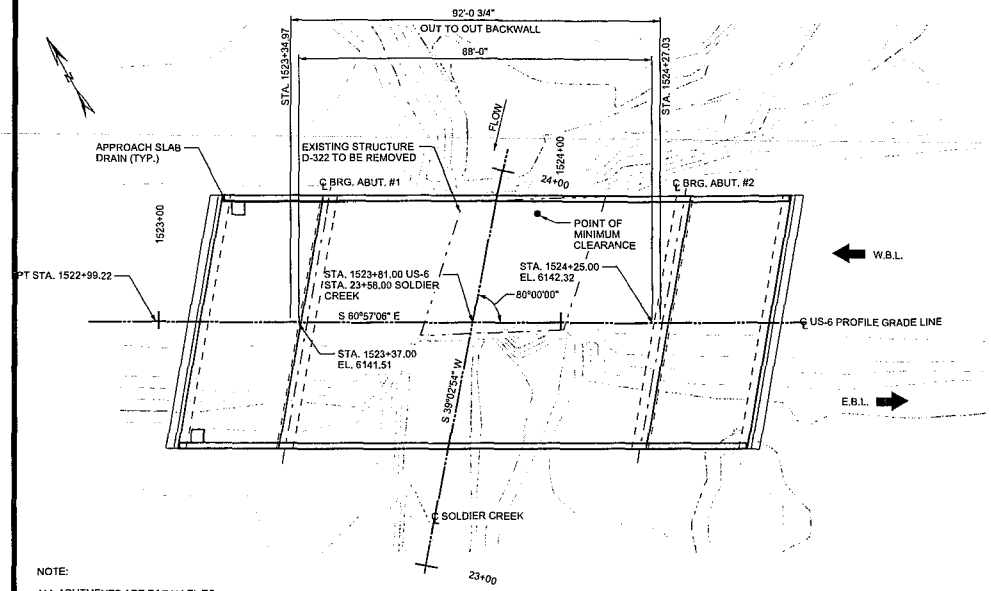
QC CHECKED BY

REVISIONS

| NO. | DATE | APPROVED BY | REMARKS |
|---|---|---|---|



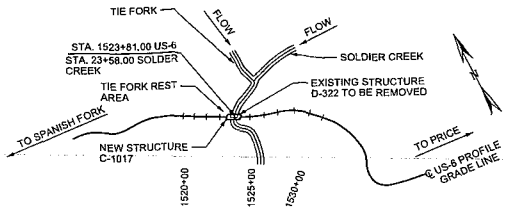

NOTE:

ALL ABUTMENTS ARE PARALLEL TO BRG. N 39°02'54" E

## PLAN

## US-6 CURVE DATA

| | |
|---|---|
| Δ = | 2°32'12.58" RIGHT |
| R = | 10000.00' |
| T = | 221.42' |
| L = | 442.76' |
| PI = | 1520+77.87 |
| N = | 7153352.73 |
| E = | 1720230.01 |




## LOCATION PLAN

## GENERAL NOTES

1. USE COATED DEFORMED-CARBON REINFORCING STEEL BARS CONFORMING TO AASHTO M 284 OR M 111 AND M 31 GRADE 60 RESPECTIVELY.
2. USE STRUCTURAL STEEL CONFORMING TO AASHTO M 270 GRADE 70 EXCEPT WHERE NOTED OTHERWISE.
3. CHAMFER ALL EXPOSED CONCRETE CORNERS 3/4" EXCEPT WHERE NOTED OTHERWISE.
4. PROVIDE 2" CONCRETE COVER TO REINFORCING STEEL EXCEPT WHERE NOTED OTHERWISE.
5. USE CLASS AA(AE) CAST-IN-PLACE CONCRETE EXCEPT WHERE SPECIFIED OTHERWISE.

## BRIDGE LOAD RATING

| | HL-93 | |
|---|---|---|
| | RATING | LOCATION |
| INV. | ? | ? |
| OPER. | ? | ? |

F DENOTES RATING CONTROLLED BY FLEXURE
S DENOTES RATING CONTROLLED BY SHEAR
Mr AT ?' = ? k-ft
Vr AT ?' = ? k

## DESIGN DATA

HL-93 IN ACCORDANCE WITH CURRENT AASHTO LRFD BRIDGE DESIGN SPECIFICATIONS AND INTERIM SPECIFICATIONS. SEISMIC DESIGN IN ACCORDANCE WITH AASHTO GUIDE SPECIFICATION FOR LRFD SEISMIC DESIGN FIRST EDITION.

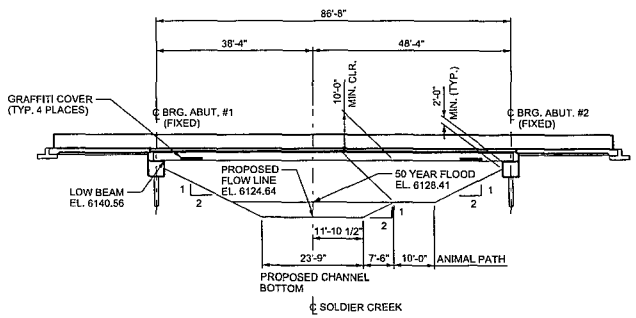
CAST-IN-PLACE CONCRETE: $f'c$ = 4000 PSI; $f_y$ (REINF.) = 60,000 PSI;
CLASS AA (AE) $n$ = 8

STRUCTURAL STEEL: $f_y$ = 50,000 PSI

WEARING SURFACE: 1/2" CONCRETE; 40 PSF (FUTURE)

DESIGN SPEED: 65 M.P.H.

SEISMIC: SEISMIC DESIGN PARAMETERS
(1000 YEAR RETURN PERIOD, 7% PE IN 75 YR.)
PGA = ? g
Ss = MAX. CONSIDERED EQ GROUND MOTION AT 0.2s = ?g
S1 = MAX. CONSIDERED EQ GROUND MOTION AT 1.0S = ?g
SITE CLASS D, SDC ?.




## ELEVATION AT UPSTREAM FACE

NORMAL TO PROPOSED SOLDER CREEK

## INDEX OF SHEETS


1. SITUATION AND LAYOUT I
2. SITUATION AND LAYOUT II


## QUANTITIES

| ITEM | | UNIT | AS CONST. |
|---|---|---|---|
| GRANULAR BACKFILL BORROW (PLAN QUANTITY) | ? | CU. YDS. | |
| REMOVE BRIDGE | 1 | LUMP | |
| TEMPARARY RETAINING WALLS | 1 | LUMP | |
| PILE DRIVING EQUIPMENT | 1 | LUMP | |
| DRIVEN PILES HP 14 x 103 | ? | FEET | |
| REINFORCING STEEL - COATED (PLAN QUANTITY) | ? | LBS | |
| STRUCTURAL CONCRETE (EST. LUMP QTY: ? CU. YDS.) | 1 | LUMP | |
| STRUCTURAL STEEL (EST. LUMP QTY: ? LBS.) | 1 | LUMP | |
| ELECTRICAL WORK BRIDGES | 1 | LUMP | |

| NO. | DATE | BY | REVISION REMARKS |
|---|---|---|---|
| | | | |

DESIGN MAD 2/12 CHECK
DRAWN MPP 2/12 CHECK
QUANT. CHECK

APPROVAL RECOMM. DATE SENIOR DESIGN ENGINEER
APPROVED FOR USE BY UDOT DATE UDOT DESIGN MANAGER

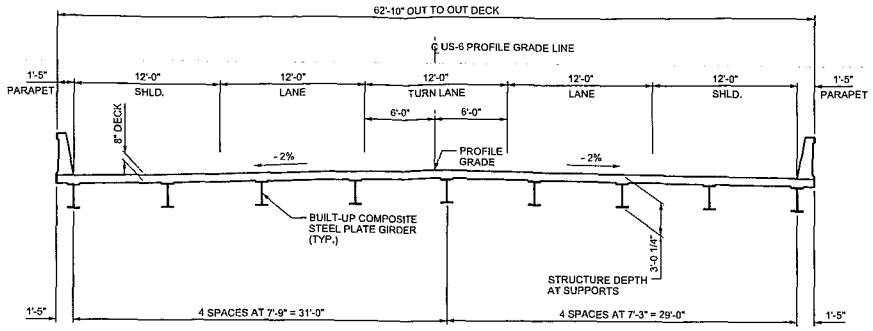
UTAH DEPARTMENT OF TRANSPORTATION

US-6; MP 201 TO 203; SKYVIEW TO TUCKER
US-6 OVER SOLDIER CREEK
SITUATION AND LAYOUT I

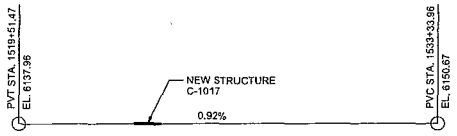
PIN 8086
PROJECT NUMBER F-0006(126)201

UTAH
COUNTY
C-1017
DRG. NO.
SHT. 1 OF

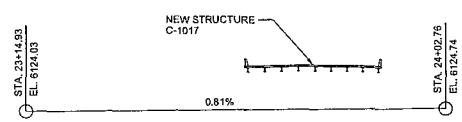
DGN File: P:\Proj\0808\8086_C-1017-S1.dgn
14-FEB-2012




TYPICAL SECTION THROUGH STRUCTURE




US-6 PROFILE




SOLDER CREEK PROFILE

| NO. | DATE | BY | REVISION REMARKS |
|---|---|---|---|
| | | | |

APPROVAL RECOMM. DATE SENIOR DESIGN ENGINEER
APPROVED FOR USE BY UDOT DATE UDOT DESIGN MANAGER

DESIGN MAD 2/12 CHECK
DRAWN MPP 2/12 CHECK
QUANT. CHECK

UTAH DEPARTMENT OF TRANSPORTATION

US-6; MP 201 TO 203; SKYVIEW TO TUCKER

US-6 OVER SOLDIER CREEK

SITUATION AND LAYOUT II

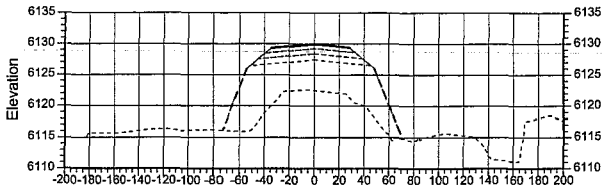
PROJECT NUMBER F-0006(126)201 PIN 8086

UTAH COUNTY

C-1017 DRG. NO.

SHT. 2 OF

14-FEB-2012 DGN File: IP_Pwp\d0101589\8086_C-1017-02_Sht2.dgn

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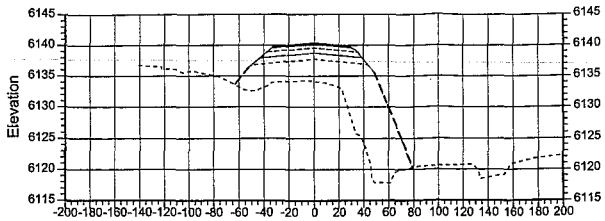


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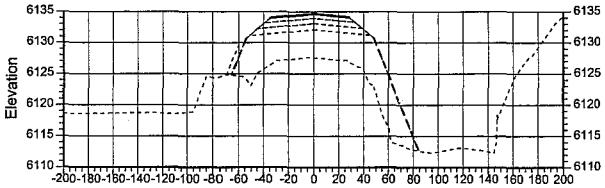


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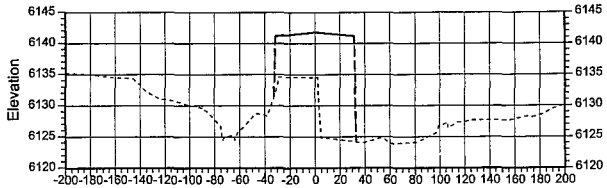


1523+70

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APPROVED

MM/DD/YY

DATE

LANDSCAPE ARCHITECT

PROJECT: US-6; MP 201 TO 203; SKYVIEW TO TUCKER

PROJECT NUMBER: F-0006(126)201

PIN: 8086

SELECTED CROSS SECTIONS

SHEET NO. CS-1

DGN File: IP_PWPxdns49380\8086_CROSS_SECTIONS.dgn

11-APR-2012