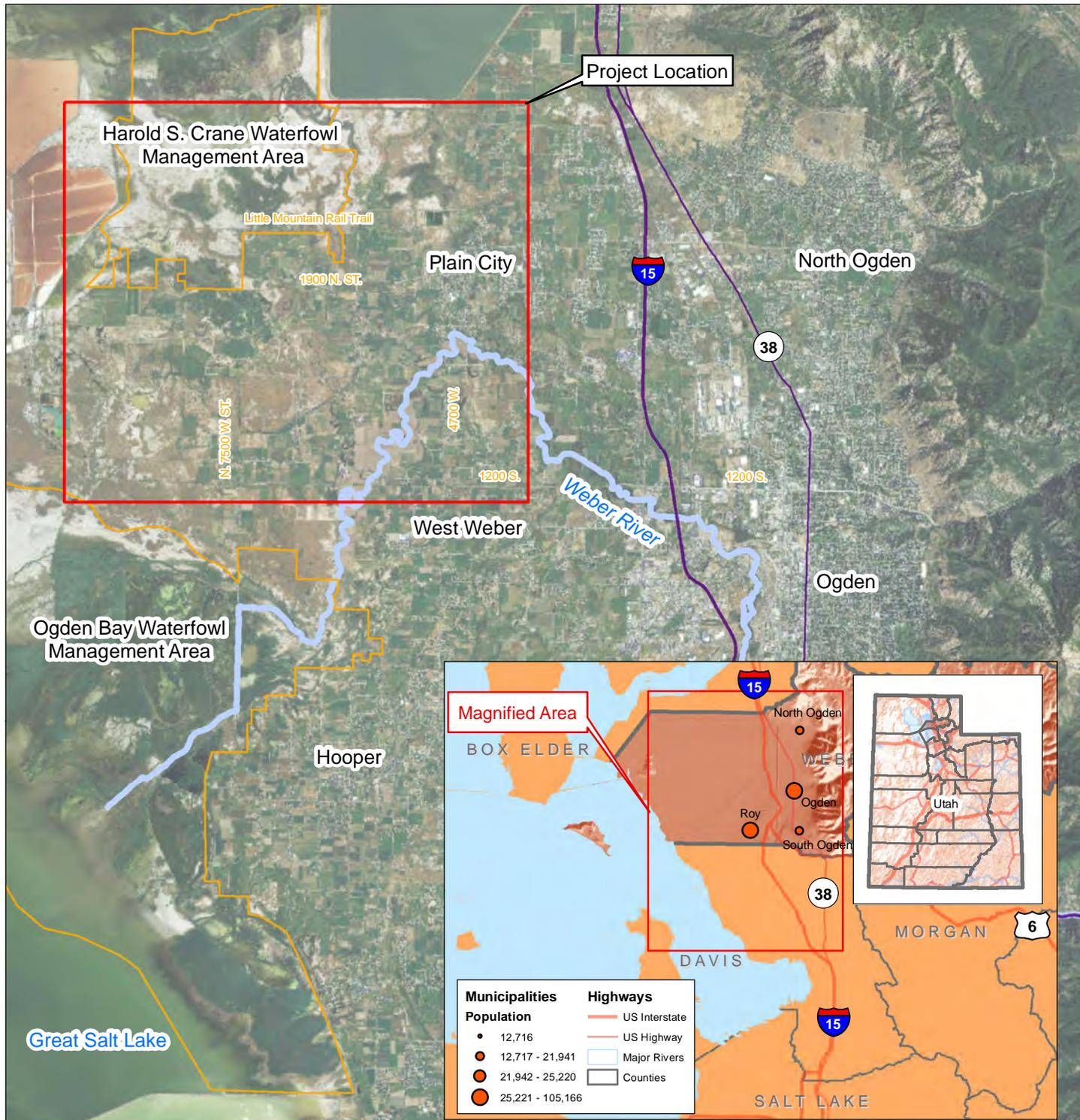


APPENDIX B

PROJECT MAPS

- Figure 1: Vicinity Map
- Figure 2: Watershed Map
- Figure 3: 2011 Flood and Breach Map
- Figure 4: Cutoff Channel North Diversion Alternative
- Figure 5: Cutoff Channel South Diversion Alternative
- Figure 6: Cutoff Channel Details 1
- Figure 7: Cutoff Channel Details 2
- Figure 8: Cutoff Channel Details 3
- Figure 9: Levee Alternative
- Figure 10: Levee Details
- Figure 11: Floodplain Easement Alternative
- Figure 12: River Gages



Project Location

Harold S. Crane Waterfowl Management Area

Little Mountain Rail Trail

Plain City

North Ogden

1900 N. ST.

N. 7500 W. ST.

4700 W.

1200 S.

1200 S.

West Weber

Weber River

Ogden

Ogden Bay Waterfowl Management Area

Hooper

Great Salt Lake

Magnified Area

BOX ELDER

North Ogden

W.E.B.

Roy

Ogden

South Ogden

38

DAVIS

MORGAN

SALT LAKE

Municipalities	Highways
Population	US Interstate
● 12,716	US Highway
● 12,717 - 21,941	Major Rivers
● 21,942 - 25,220	Counties
● 25,221 - 105,166	

Legend

- Project Location
- Weber River
- US Interstate
- US Highway
- Waterfowl Management Area

0 0.5 1 2 Miles

NOTES:
 Aerial photo from 2009 NAIP 1-m orthophoto. Shaded reliefs derived from 10- and 90-m USGS DEMs. Points, lines and polygons supplied by various state and federal sources, including UDOT, and USGS.

Figure 1: Vicinity Map

NRCS Little Weber River Cutoff Channel Environmental Assessment

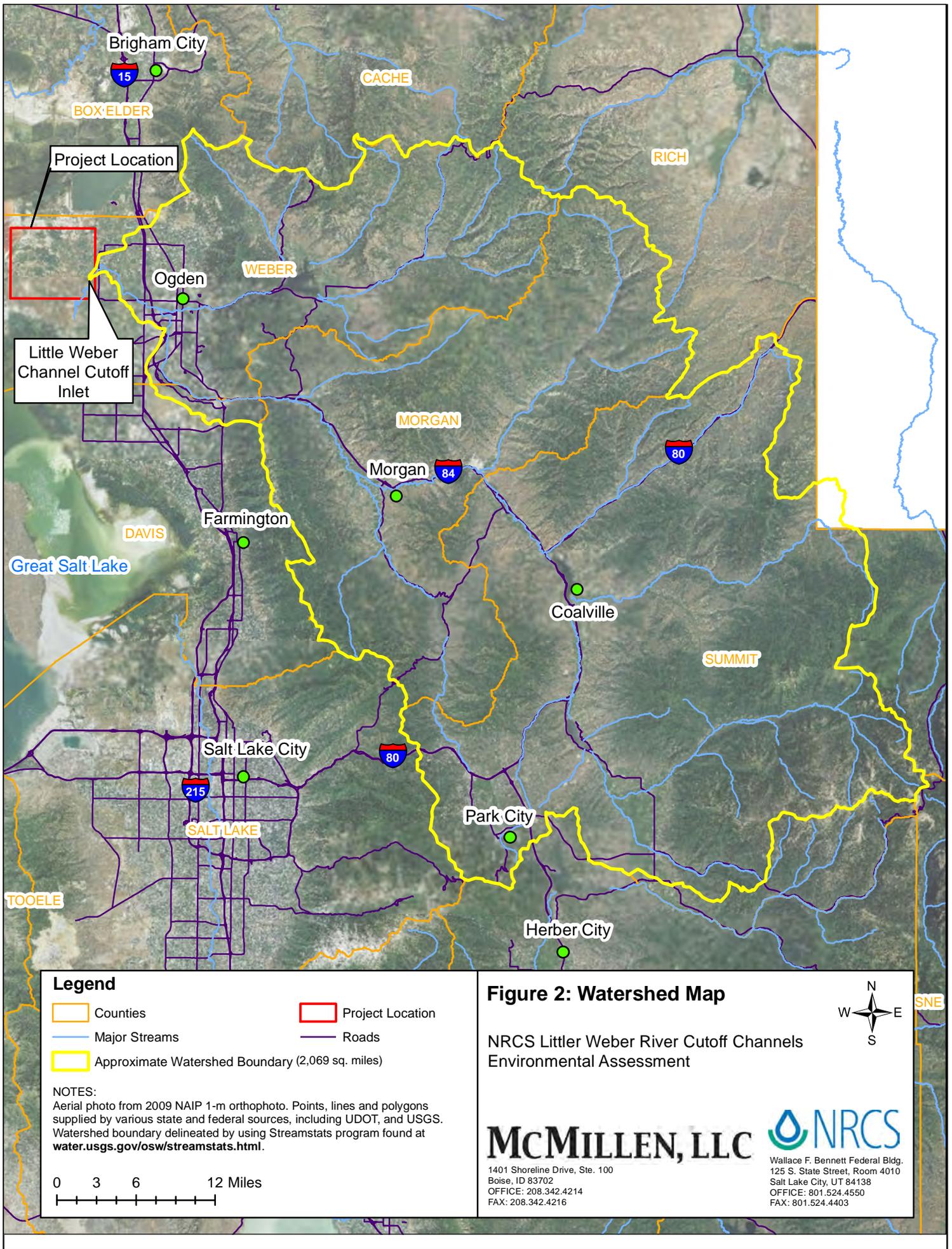


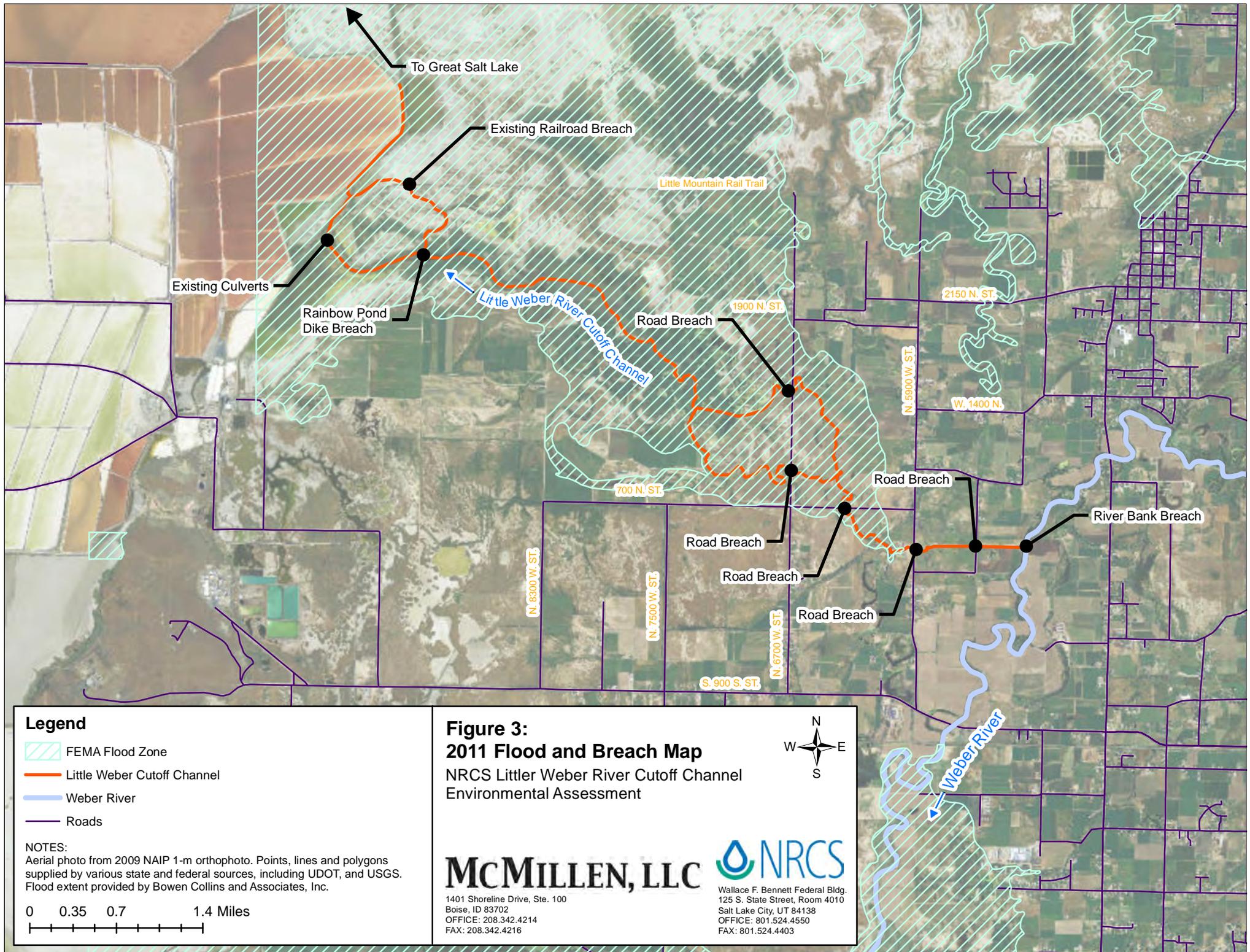
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- Legend**
- FEMA Flood Zone
 - Little Weber Cutoff Channel
 - Weber River
 - Roads

NOTES:
 Aerial photo from 2009 NAIP 1-m orthophoto. Points, lines and polygons supplied by various state and federal sources, including UDOT, and USGS. Flood extent provided by Bowen Collins and Associates, Inc.

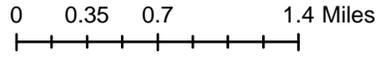


Figure 3:
2011 Flood and Breach Map
 NRCS Little Weber River Cutoff Channel
 Environmental Assessment



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Legend

- Constructed Channel
- North Diversion Cutoff Channel
- Weber River
- Roads

NOTES:

Aerial photo from 2009 NAIP 1-m orthophoto. Stream centerlines were digitized manually based on the 2009 NAIP 1-m orthophoto. Design provided by Bowen Collins and Associates, Inc.

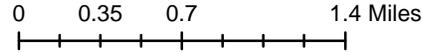


Figure 4: Cutoff Channel North Diversion Alternative

NRCS Littler Weber River Cutoff Channel
Environmental Assessment



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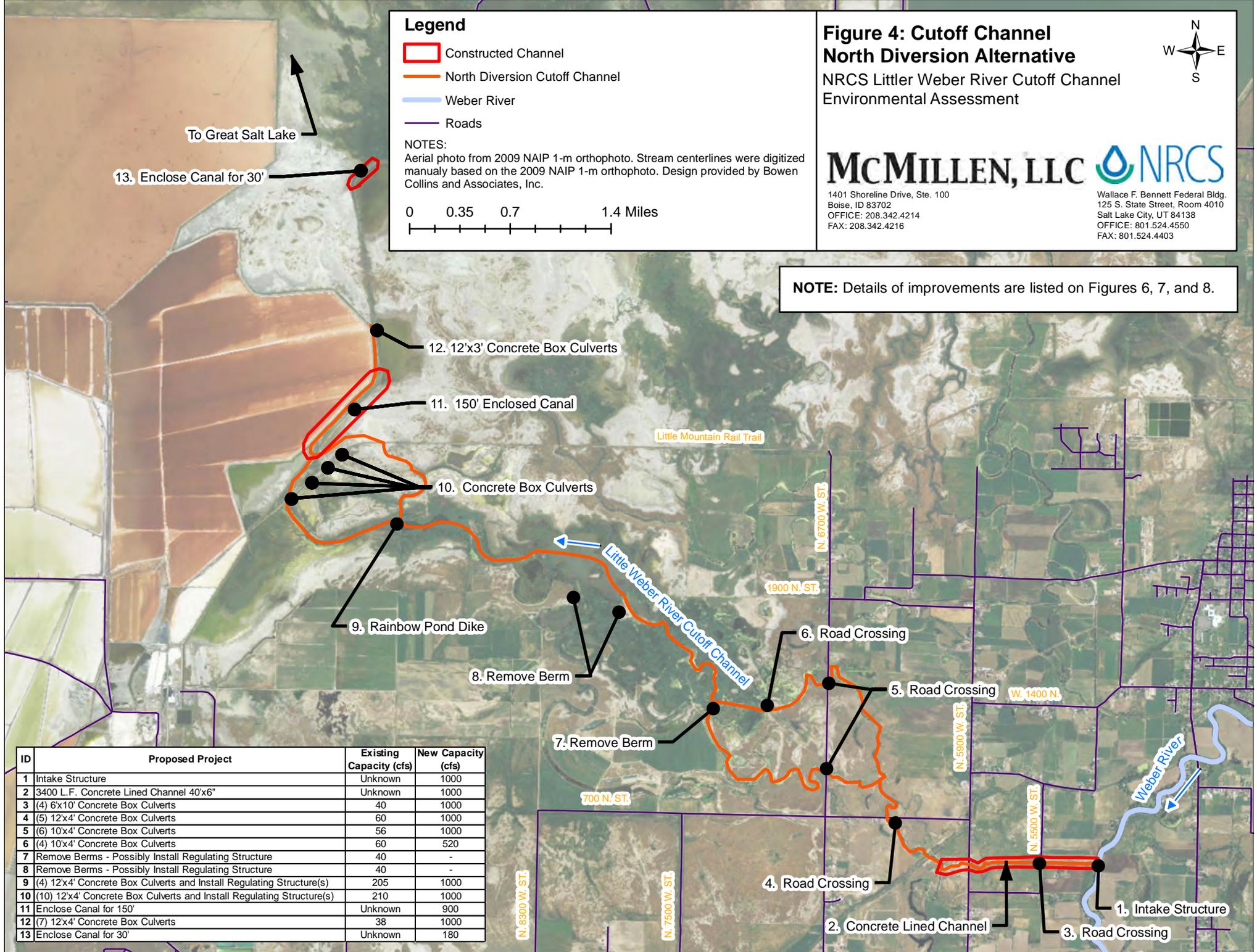


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To Great Salt Lake

13. Enclose Canal for 30'

NOTE: Details of improvements are listed on Figures 6, 7, and 8.



ID	Proposed Project	Existing Capacity (cfs)	New Capacity (cfs)
1	Intake Structure	Unknown	1000
2	3400 L.F. Concrete Lined Channel 40'x6"	Unknown	1000
3	(4) 6'x10' Concrete Box Culverts	40	1000
4	(5) 12'x4' Concrete Box Culverts	60	1000
5	(6) 10'x4' Concrete Box Culverts	56	1000
6	(4) 10'x4' Concrete Box Culverts	60	520
7	Remove Berms - Possibly Install Regulating Structure	40	-
8	Remove Berms - Possibly Install Regulating Structure	40	-
9	(4) 12'x4' Concrete Box Culverts and Install Regulating Structure(s)	205	1000
10	(10) 12'x4' Concrete Box Culverts and Install Regulating Structure(s)	210	1000
11	Enclose Canal for 150'	Unknown	900
12	(7) 12'x4' Concrete Box Culverts	38	1000
13	Enclose Canal for 30'	Unknown	180

To Great Salt Lake
 13. Enclose Canal

12. Concrete Box Culverts

11. 150' Enclosed Canal

10. Concrete Box Culverts

9. Rainbow Pond Dike

8. Remove Berms

7. Remove Berms

6. Private Road Crossing

5. Road Crossing

4. Road Crossing

3. Private Road Crossing

Road Crossing

1. Intake Structure

2. Concrete Lined Channel

Legend

- Constructed Channel
- South Diversion Cutoff Channel
- Weber River
- Roads

NOTES:

Aerial photo from 2009 NAIP 1-m orthophoto. Stream centerlines were digitized manually based on the 2009 NAIP 1-m orthophoto. Design provided by Bowen Collins and Associates, Inc.

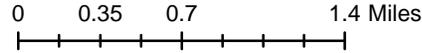


Figure 5: Cutoff Channel South Diversion Alternative

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NOTE: Details of improvements are listed on Figures 6, 7, and 8.

ID	Proposed Project	Existing Capacity (cfs)	New Capacity (cfs)
1	Intake Structure	Unknown	1000
2	900 L.F. Concrete Lined Channel 40"x6"	Unknown	1000
3	Seven (5) 12"x4' Concrete Box Culverts	Unknown	1000
4	(5) 12"x4' Concrete Box Culverts	60	1000
5	(6) 10"x4' Concrete Box Culverts	56	1000
6	(4) 10"x4' Concrete Box Culverts	60	520
7	Remove Berms - Possibly Install Regulating Structure	40	-
8	Remove Berms - Possibly Install Regulating Structure	40	-
9	(4) 12"x4' Concrete Box Culverts and Install Regulating Structure(s)	205	1000
10	(10) 12"x4' Concrete Box Culverts and Install Regulating Structure(s)	210	1000
11	Enclose Canal for 150'	Unknown	900
12	(7) 12"x4' Concrete Box Culverts	38	1000
13	Enclose Canal for 30'	Unknown	180

Little Mountain Rail Trail

Little Weber River Cutoff Channel

Weber River

N. 6700 W. ST.

1900 N. ST.

W. 1400 N.

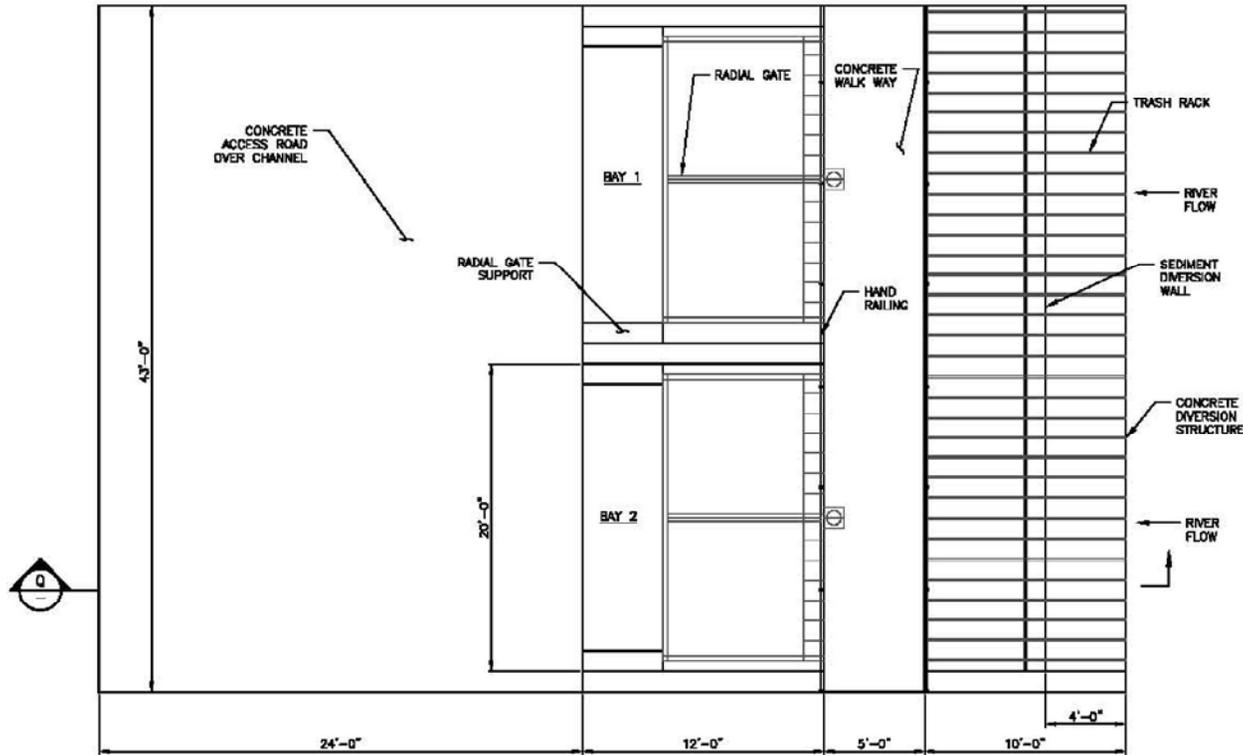
N. 5900 W. ST.

700 N. ST.

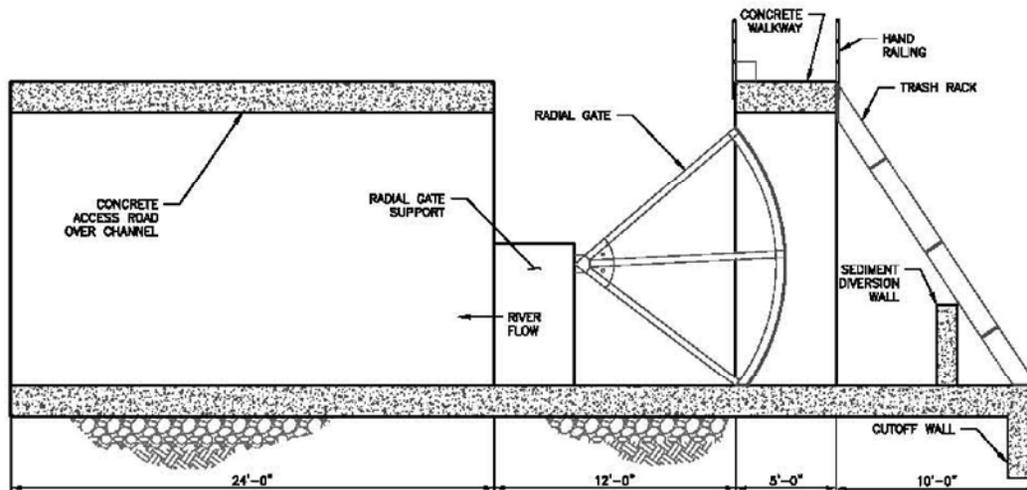
S. 900 S. ST.

N. 8300 W. ST.

N. 7500 W. ST.



Intake Structure



Intake Structure Section Q

Figure 6:
Cutoff Channel Details 1

NRCS Littler Weber River Cutoff Channel
Environmental Assessment

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**Figure 7:
Cutoff Channel Details 2**

NRCS Littler Weber River Cutoff Channel
Environmental Assessment

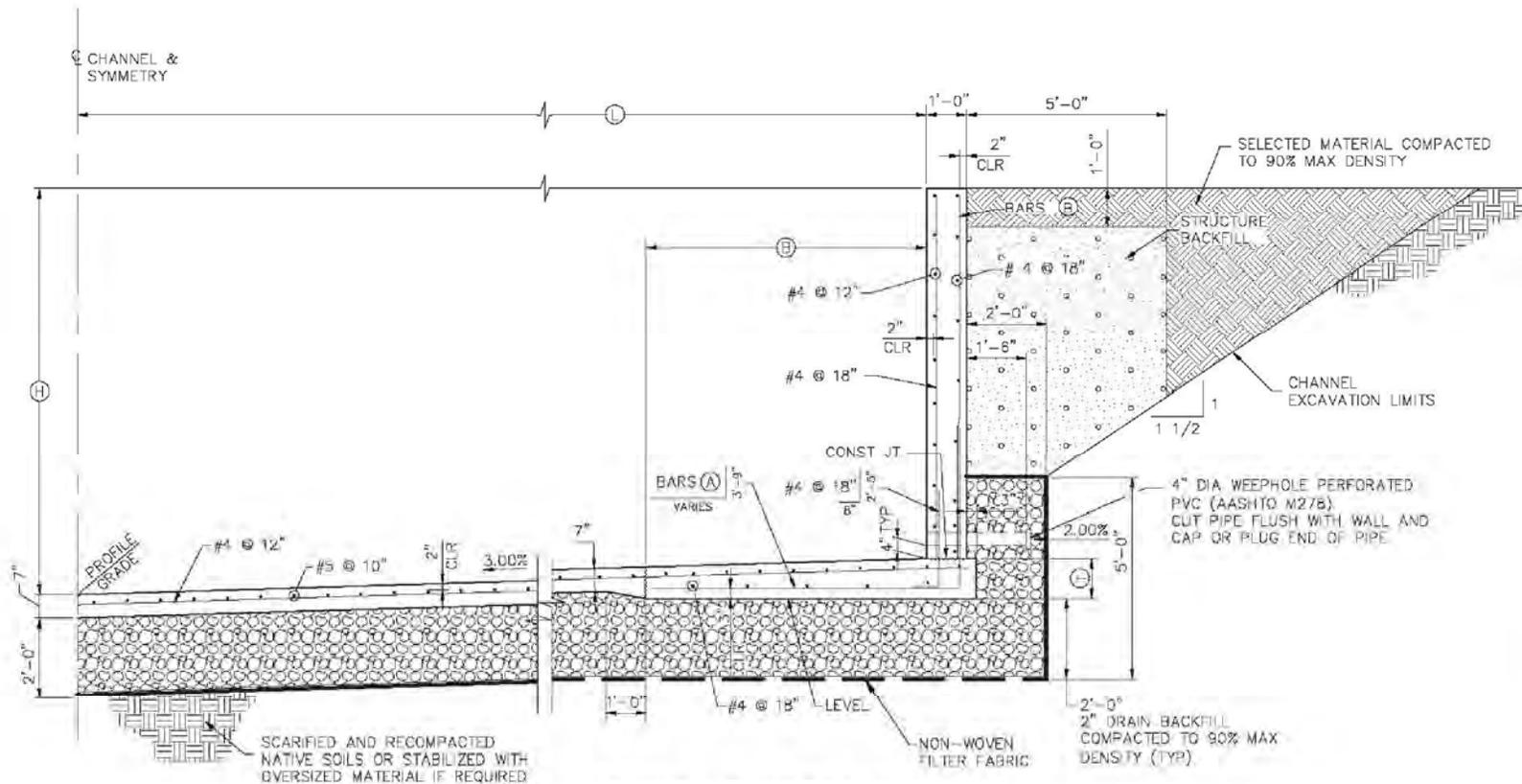
Design provided by Bowen Collins and
Associates, Inc.

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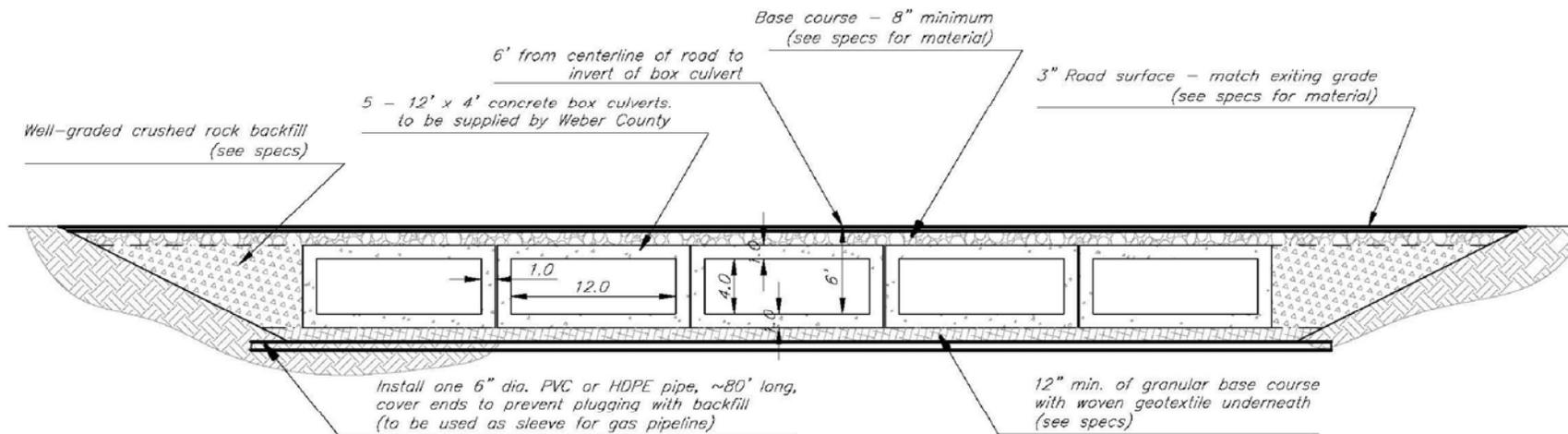
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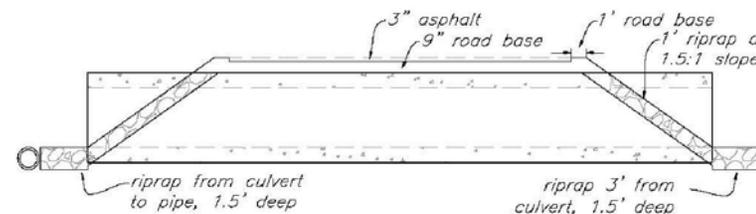
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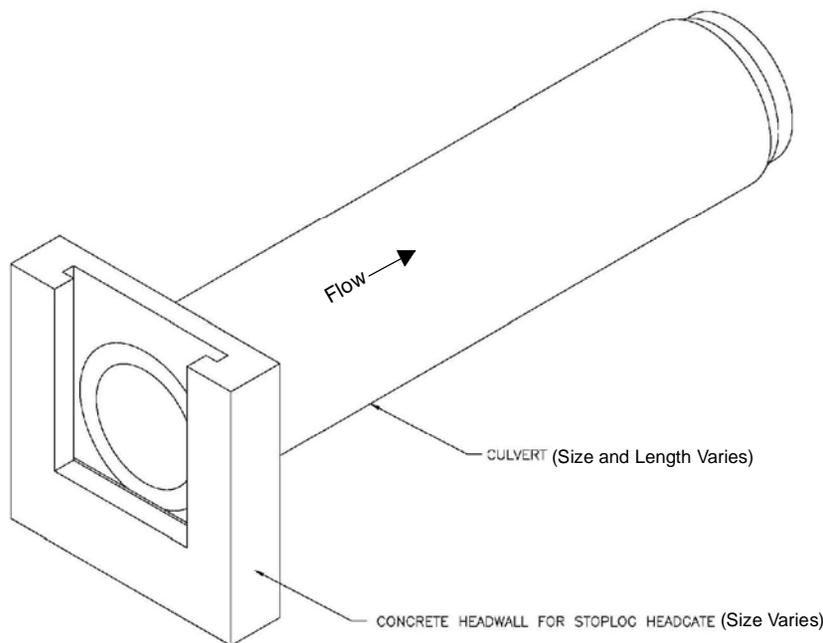
Typical Concrete Lined Channel



Typical Concrete Box Structure



Typical Concrete Box Structure Section



Typical Regulating Structure

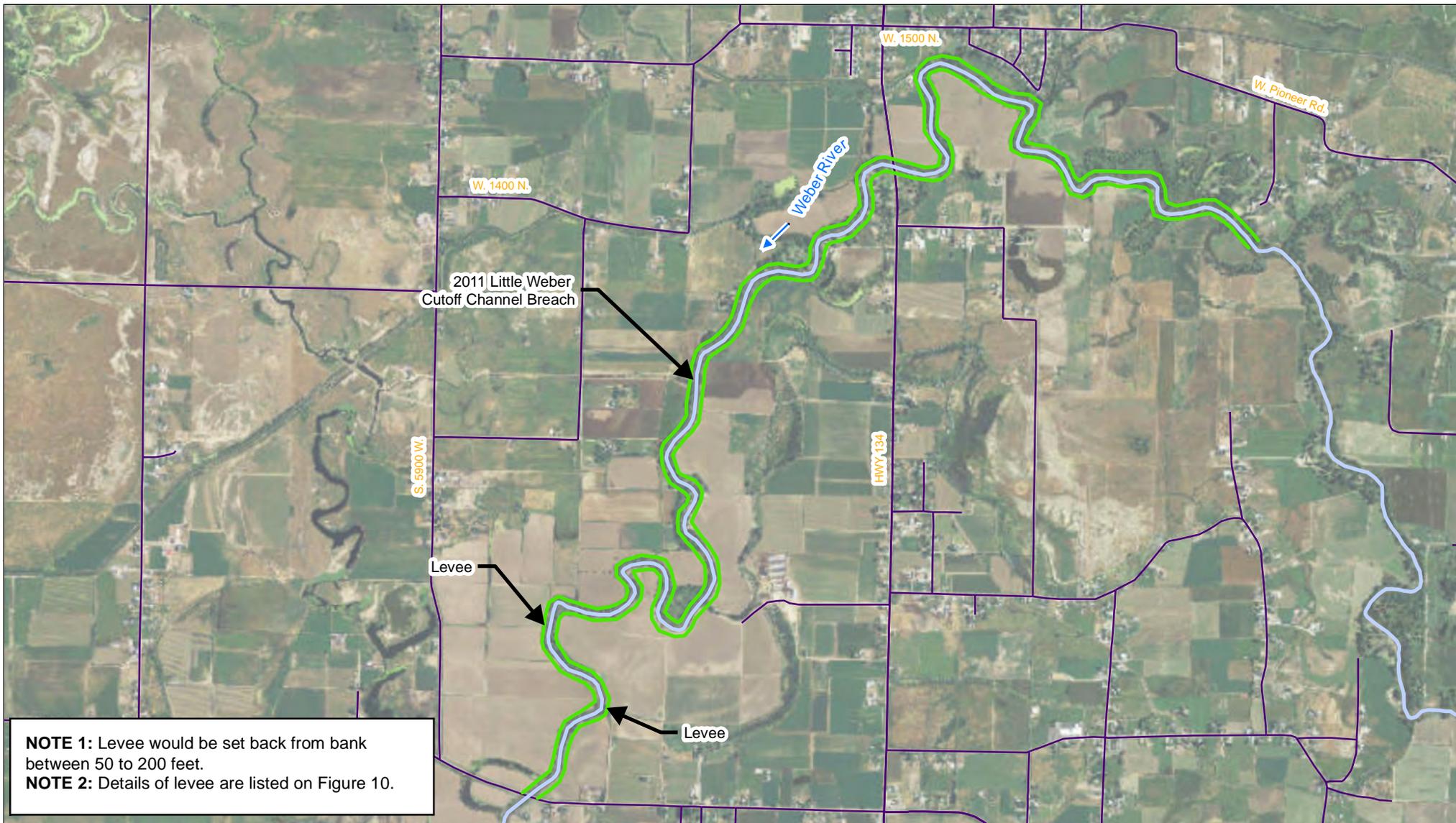
Figure 8:
Cutoff Channel Details 3
NRCS Littler Weber River Cutoff Channel
Environmental Assessment
Design provided by Bowen Collins and Associates, Inc.

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NOTE 1: Levee would be set back from bank between 50 to 200 feet.
NOTE 2: Details of levee are listed on Figure 10.

Legend

- Levee Alignment
- Weber River
- Roads

NOTES:
 Aerial photo from 2009 NAIP 1-m orthophoto. Stream centerlines were digitized manually based on the 2009 NAIP 1-m orthophoto. Design provided by McMillen, LLC.

0 0.15 0.3 0.6 Miles

Figure 9:
Levee Alternative
 NRCS Littler Weber River Cutoff Channel
 Environmental Assessment

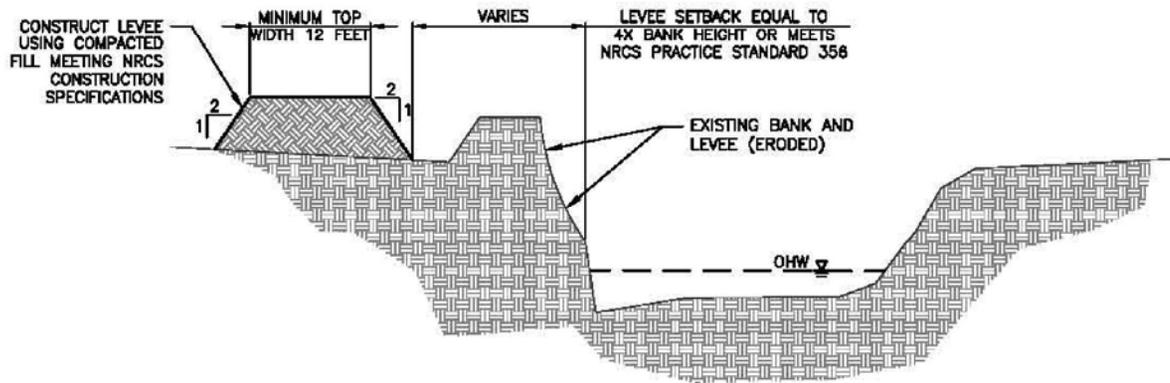
N
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 S

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LEVEE

SCALE: NTS

Figure 10: Levee Details

NRCS Littler Weber River Cutoff Channel
Environmental Assessment

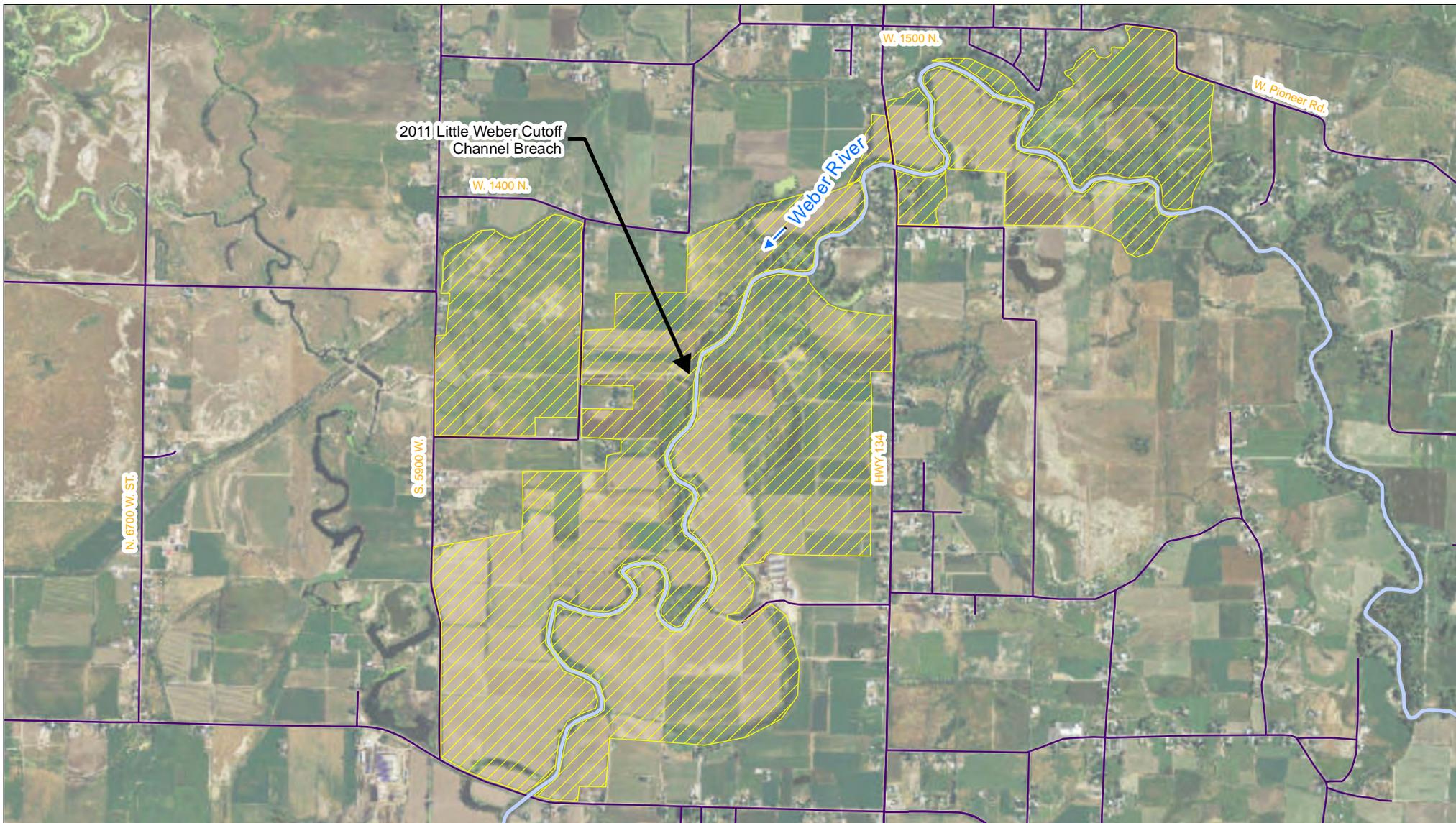
Design provided by McMillen, LLC

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Legend

-  Floodplain Easement
-  Weber River
-  Roads

NOTES:
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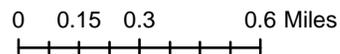


Figure 11:
Floodplain Easement Alternative
 NRCS Littler Weber River Cutoff Channel
 Environmental Assessment

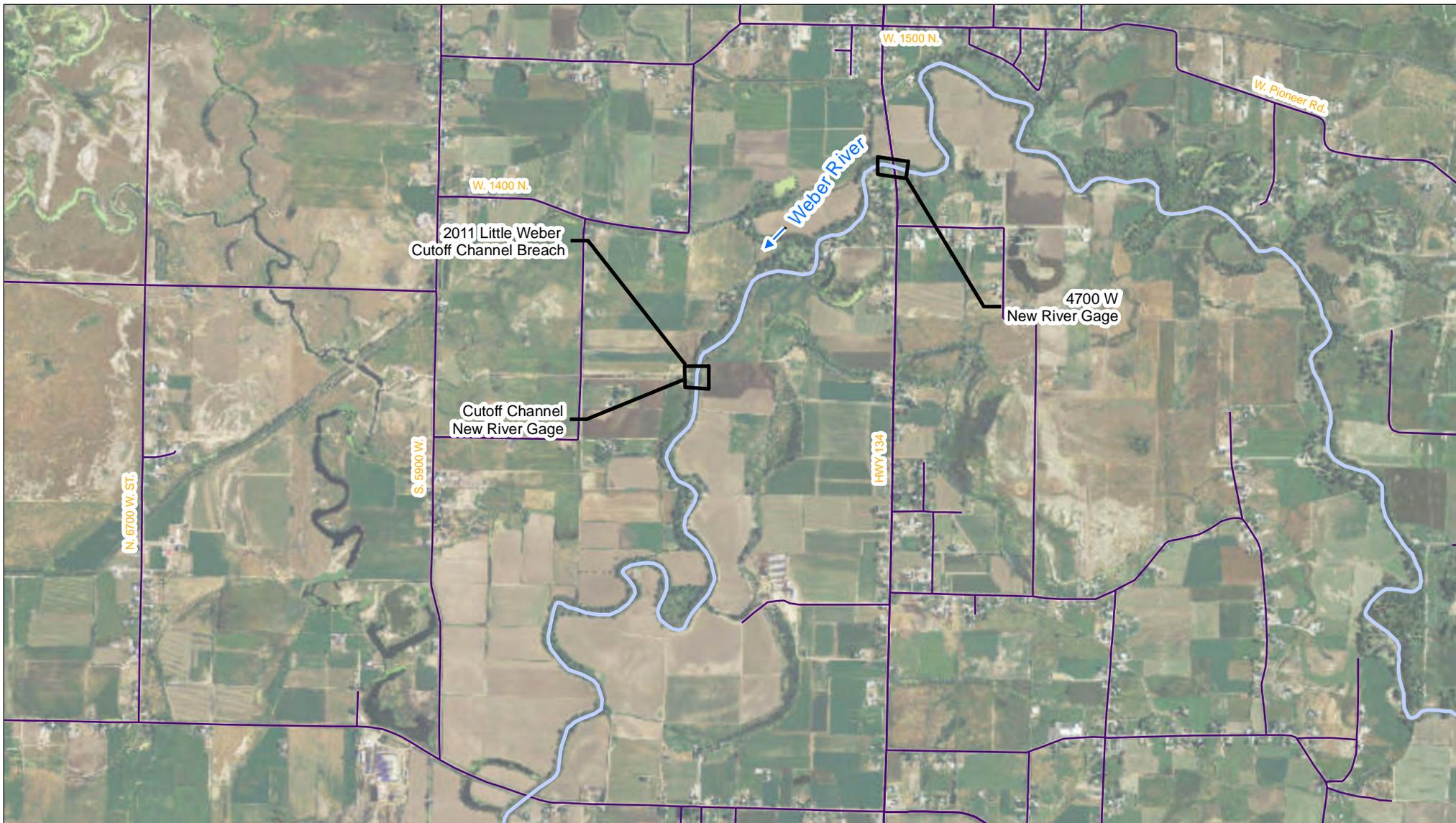


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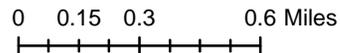
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Legend

- Weber River
- Roads

NOTES:
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**Figure 12:
 River Gages**
 NRCS Littler Weber River Cutoff Channel
 Environmental Assessment



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