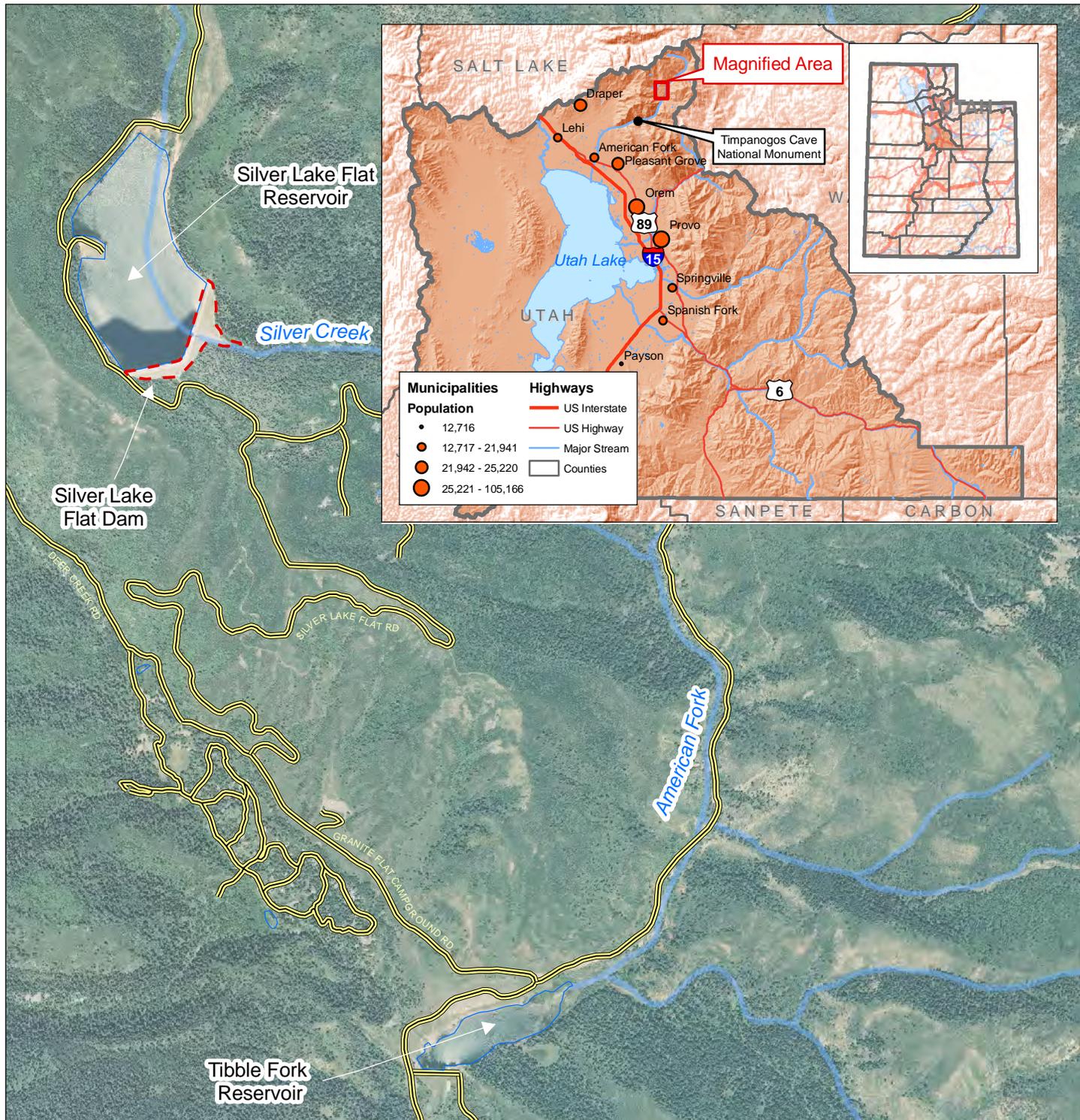


## **APPENDIX B**

### **PROJECT MAPS**

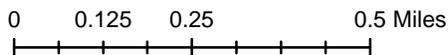
- Figure 1: Vicinity Map
- Figure 2: Watershed Map
- Figure 3: Project Map
- Figure 4: Project Dam Area Map
- Figure 5: Dam Decommissioning Alt. Map
- Figure 6: Dam Rehabilitation Map
- Figure 7: Seepage Monitoring Option
- Figure 8: Water Storage Increase Map
- Figure 9: Spillway Replacement Alternatives
- Figure 10: Rehab Dam – Replace Spillway Section



**Legend**

- Silver Lake Flat Dam
- Lakes and Reservoirs
- Roads
- Streams

**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 USFS, UDOT, and USGS.



**Figure 1: Vicinity Map**

NRCS Silver Lake Flat Dam Rehabilitation  
 Draft Supplemental Watershed Plan No.9 and  
 Environmental Assessment



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Approximately  
4.3 square miles

Silver Glance  
Lake

Silver Lake

Silver Creek

Silver Lake Flat  
Reservoir

Silver Lake  
Flat Dam

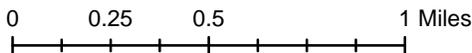
Silver Creek

American Fork

**Legend**

- Silver Lake Flat Dam
- Lakes and Reservoirs
- Approximate Watershed Boundary
- Streams

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 USFS, UDOT, and USGS. Watershed boundary approximated using HEC-GeoHMS extension for ArcMap with a 90-m DEM, then smoothed and manually edited.



**Figure 2: Watershed Map**

NRCS Silver Lake Flat Dam Rehabilitation  
Draft Supplemental Watershed Plan No.9 and  
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UINTA-WASATCH  
CACHE NATIONAL  
FOREST



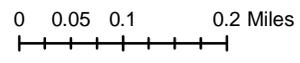
Figure 4: Project Dam Area map



**Legend**

-  Proposed Staging Areas
-  Proposed Borrow Area
-  Wilderness
-  Work Area
-  Gravel Access Road
-  Streams

NOTE:  
Aerial photo from 2009 NAIP  
1-m orthophoto.



**Figure 3: Project Map**

NRCS Silver Lake Flat Dam Rehabilitation  
Draft Supplemental Watershed Plan No.9 and  
Environmental Assessment

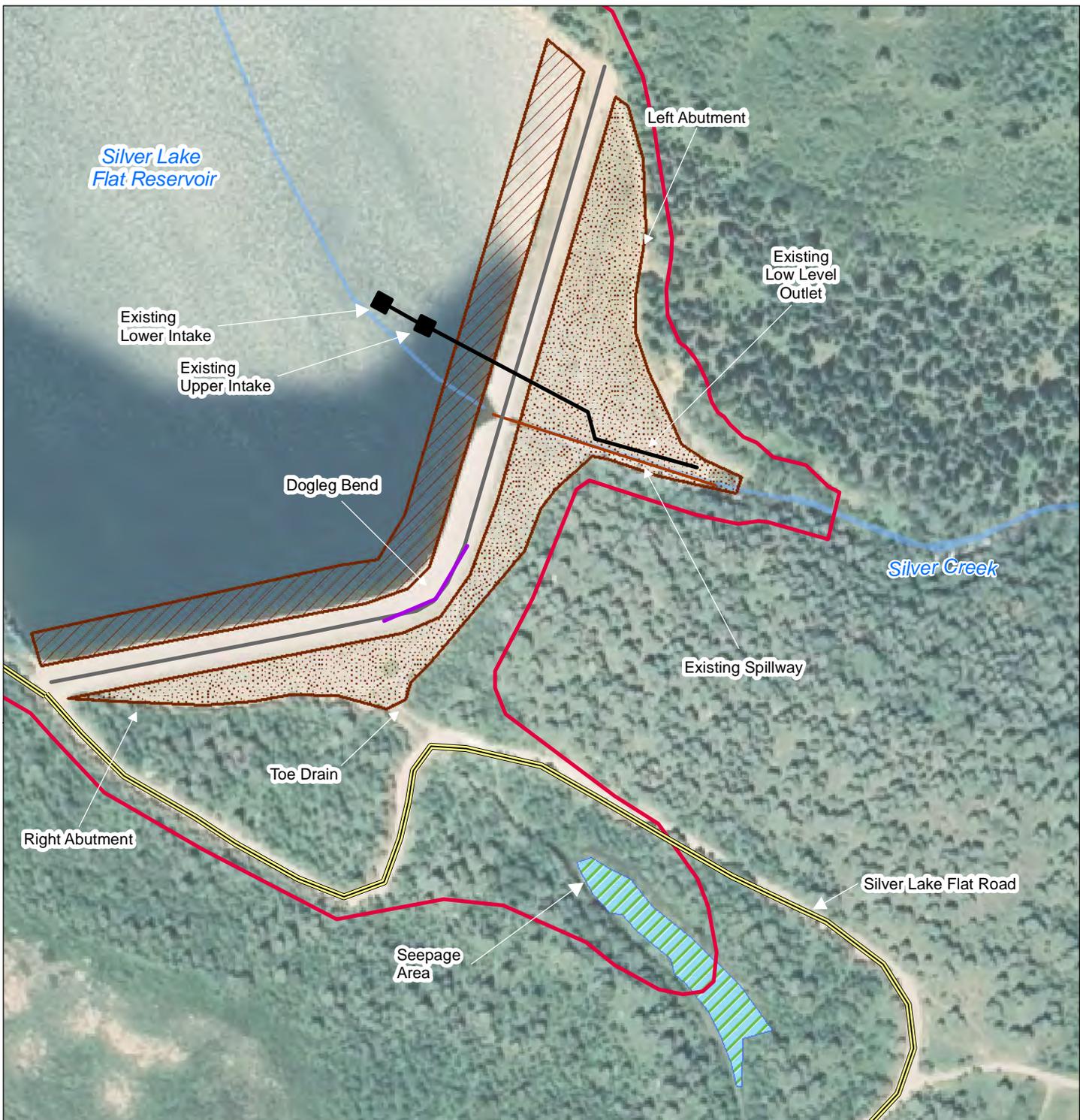


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**Legend**

- Streams
- Toe Drain
- Dogleg Bend
- Dam Crest
- Spillway
- Proposed Low Level Outlet
- Access Road
- Work Area
- Downstream Embankment
- Delineated Wetland
- Upstream Embankment



0 110 220 440 Feet

NOTE:  
Aerial photo from  
2009 NAIP  
1-m orthophoto.

**Figure 4: Project Dam Area Map**

NRCS Silver Lake Flat Dam Rehabilitation  
Draft Supplemental Watershed Plan No.9 and  
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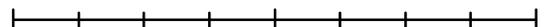
**Legend**

- Reservoir Restoration Area
- New River Channel
- Dam Breach
- Gravel Access Road Improvements
- Streams selection

NOTES:  
 Aerial photo from 2009 NAIP  
 1-m orthophoto. Design obtained  
 from Utah Division of Water  
 Resources.



0      245      490      980 Feet



**Figure 5: Dam Decommissioning Map**

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 Draft Supplemental Watershed Plan No.9 and  
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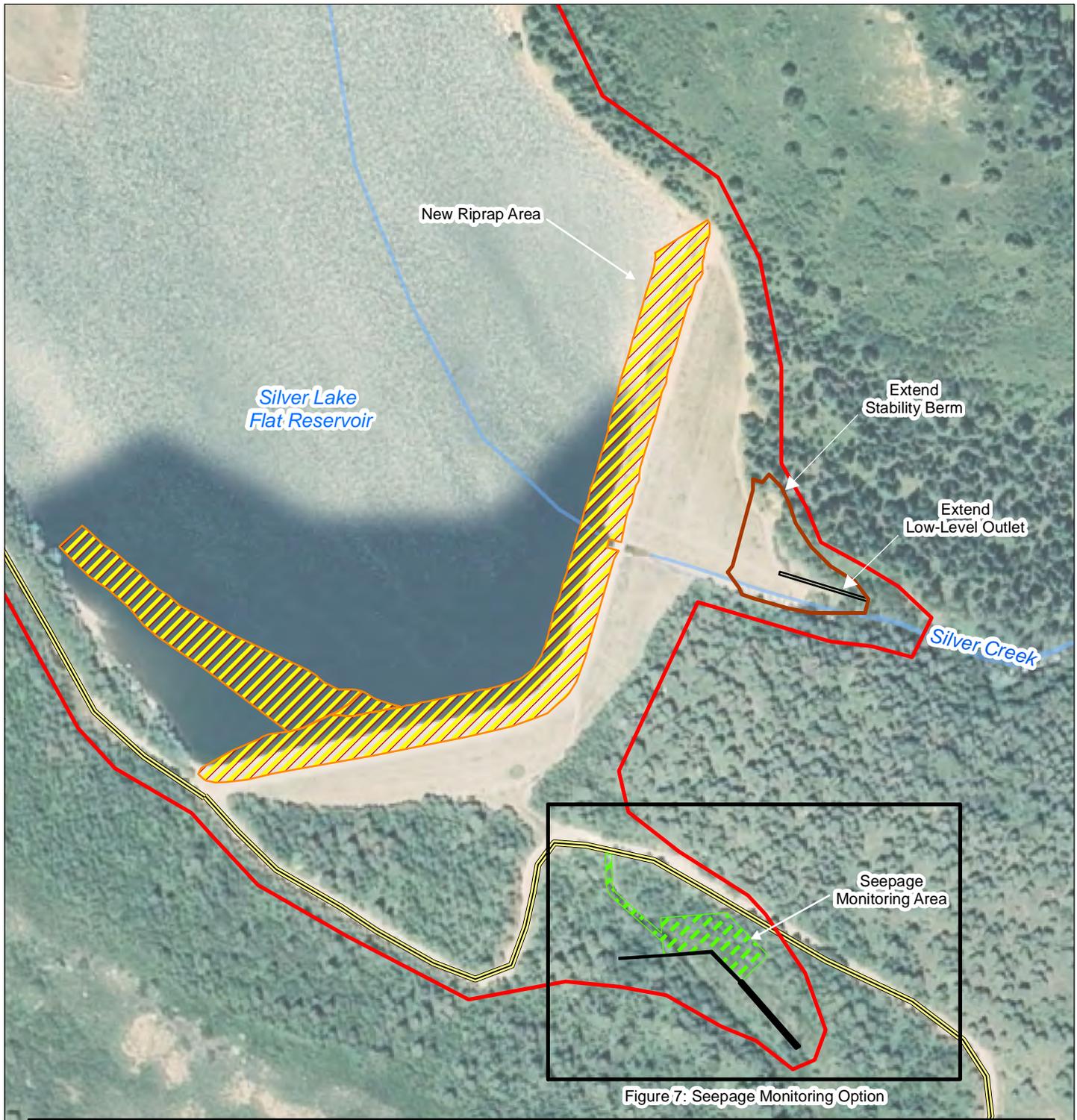


Figure 7: Seepage Monitoring Option

**Legend**

- Stability Berm
- Drain Pipe
- Streams
- Collection Trench
- Low-Level Outlet
- Work Area
- Seepage Monitoring Area
- Riprap Area
- Gravel Access Road Improvements

**NOTES:**  
 Aerial photo from 2009 NAIP 1-m orthophoto.  
 Design obtained from Utah Division of Water Resources.

0      175      350      700 Feet

**Figure 6: Dam Rehabilitation Map**

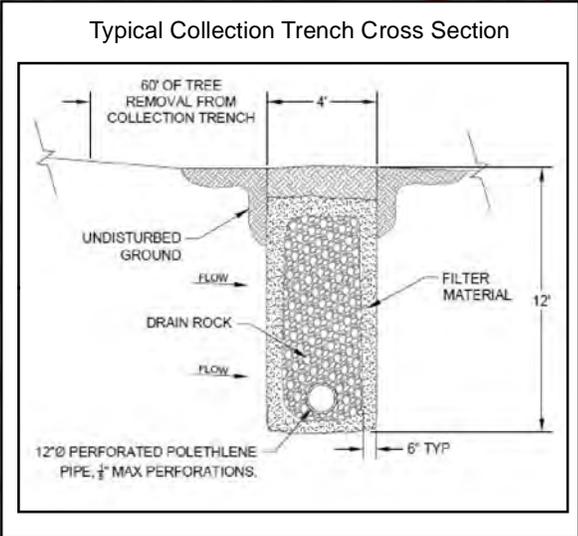
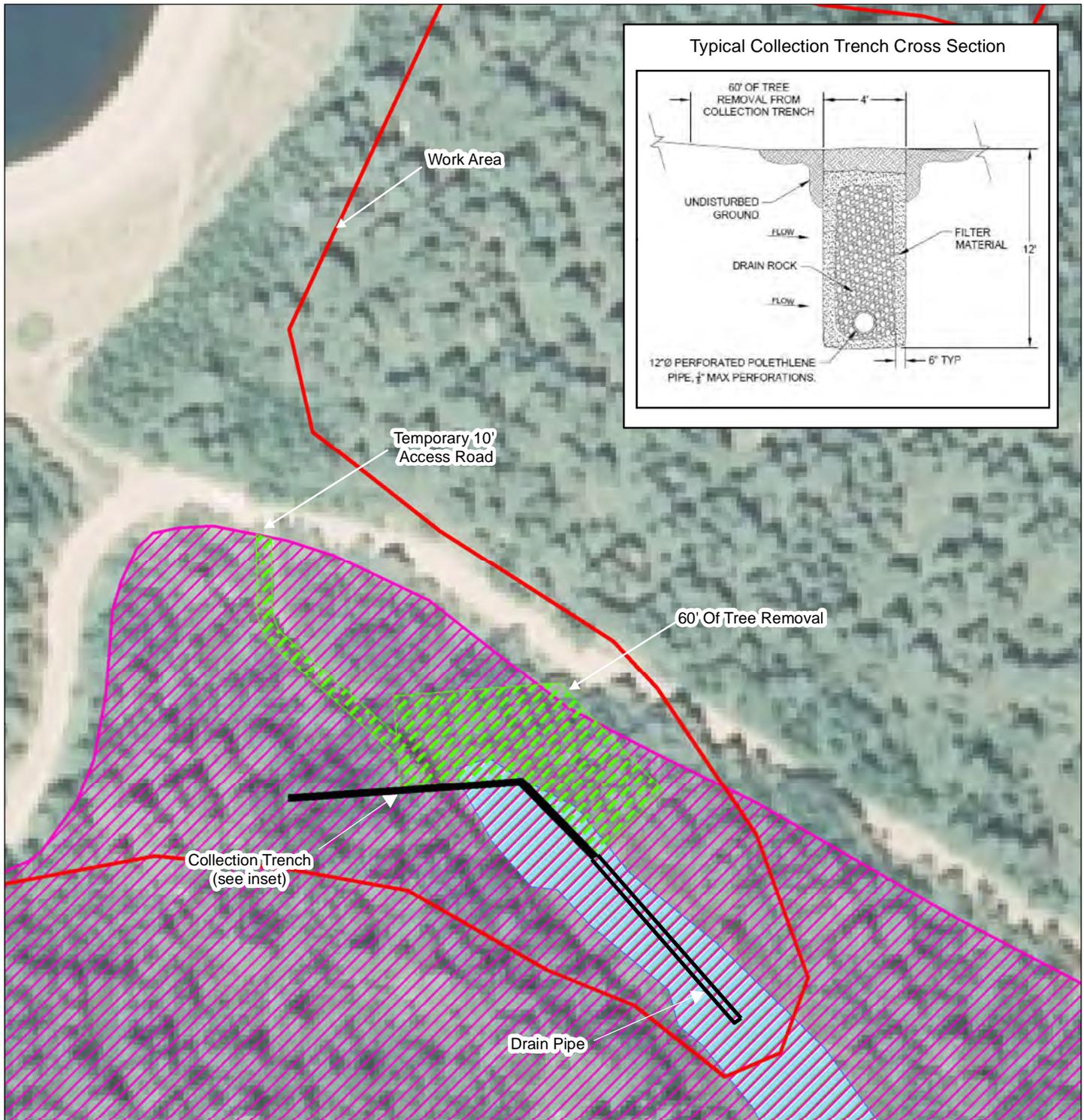
NRCS Silver Lake Flat Dam Rehabilitation  
 Draft Supplemental Watershed Plan No.9 and  
 Environmental Assessment

W      N      E  
          S

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**Legend**

- Drain Pipe
- Streams
- Work\_Area
- Collection Trench
- Seepage Monitoring Area
- USFS Roadless Area
- Delineated Wetland

0 35 70 140 Feet



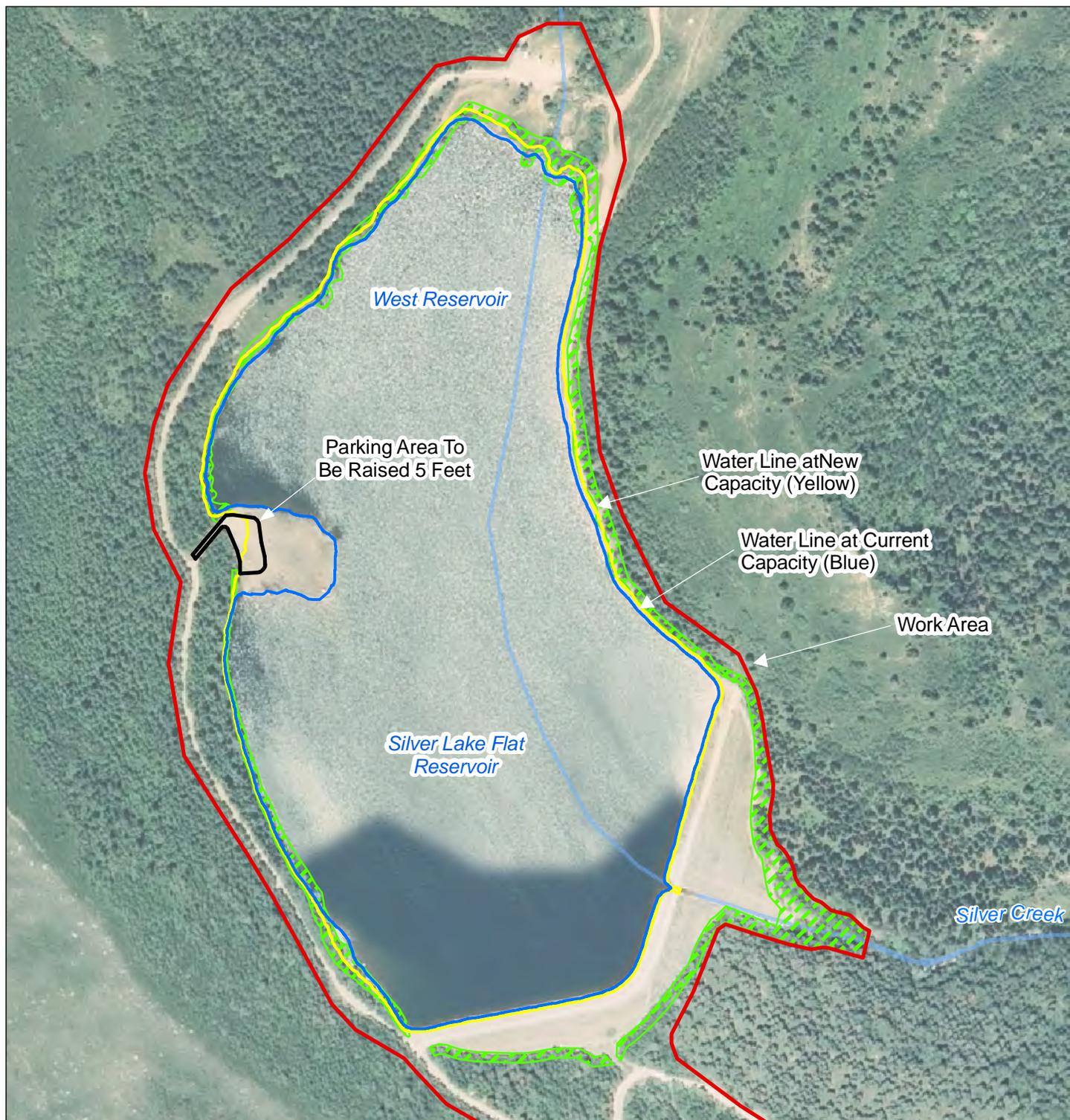
NOTES:  
 Aerial photo from 2009  
 NAIP 1-m orthophoto.  
 Design obtained from  
 Utah Division of Water

**Figure 7: Seepage Monitoring Option**

NRCS Silver Lake Flat Dam Rehabilitation  
 Draft Supplemental Watershed Plan No.9 and  
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**Legend**

- Current Water Extent
- Work Area
- New Water Extent
- Vegetation Clearing
- Parking Area
- Streams

**Dam and Reservoir Information**

Current Spillway Crest = 7,525.5 ft  
 New Spillway Crest = 7,528 ft  
 Current Storage = 1,011 ac-ft  
 New Storage = 1,120 ac-ft

NOTE:  
 Aerial photo from 2009 NAIP  
 1-m orthophoto. Data obtained  
 from Utah Division of Water  
 Resources.

0      0.045      0.09      0.18 Miles

**Figure 8: Water Storage Increase Map**

NRCS Silver Lake Flat Dam Rehabilitation  
 Draft Supplemental Watershed Plan No.9 and  
 Environmental Assessment



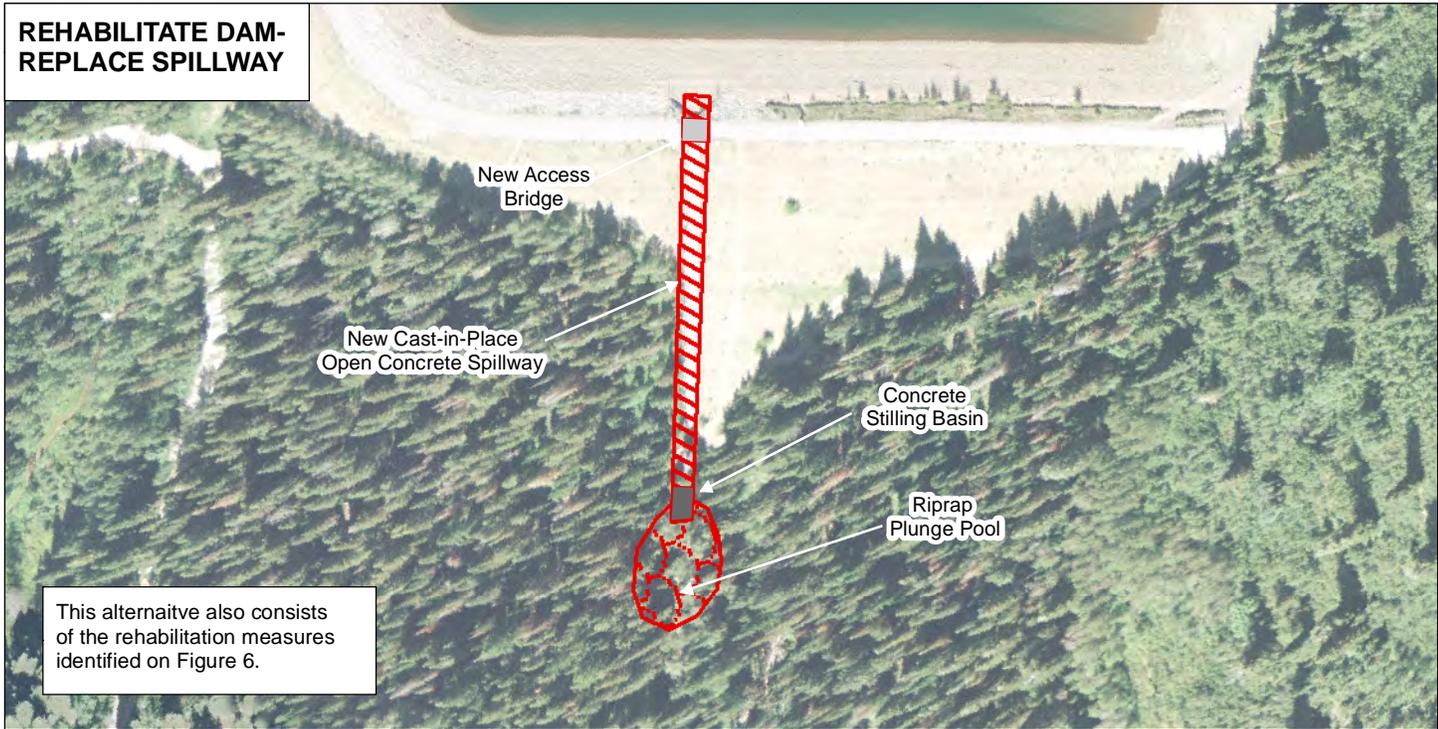
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**REHABILITATE DAM-  
REPLACE SPILLWAY**



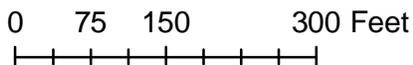
**REHABILITATE DAM-  
LEFT ABUTMENT  
CLOSED SPILLWAY**



**Legend**

-  New Access Bridge
-  Concrete Stilling Basin
-  Riprap Plunge Pool
-  Cast-in-Place Box Culvert
-  Cast-in-Place Concrete Spillway

NOTE:  
Aerial photo from 2009 NAIP  
1-m orthophoto. Design obtained  
from Utah Division of Water  
Resources.



**Figure 9: Spillway Replacement  
Alternatives**

NRCS Silver Lake Flat Dam Rehabilitation  
Draft Supplemental Watershed Plan No.9 and  
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## Figure 10: Rehab Dam—Replace Spillway Section

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Draft Supplemental Watershed Plan No.9 and  
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NOTE: Design obtained from Utah Division of Water Resources.

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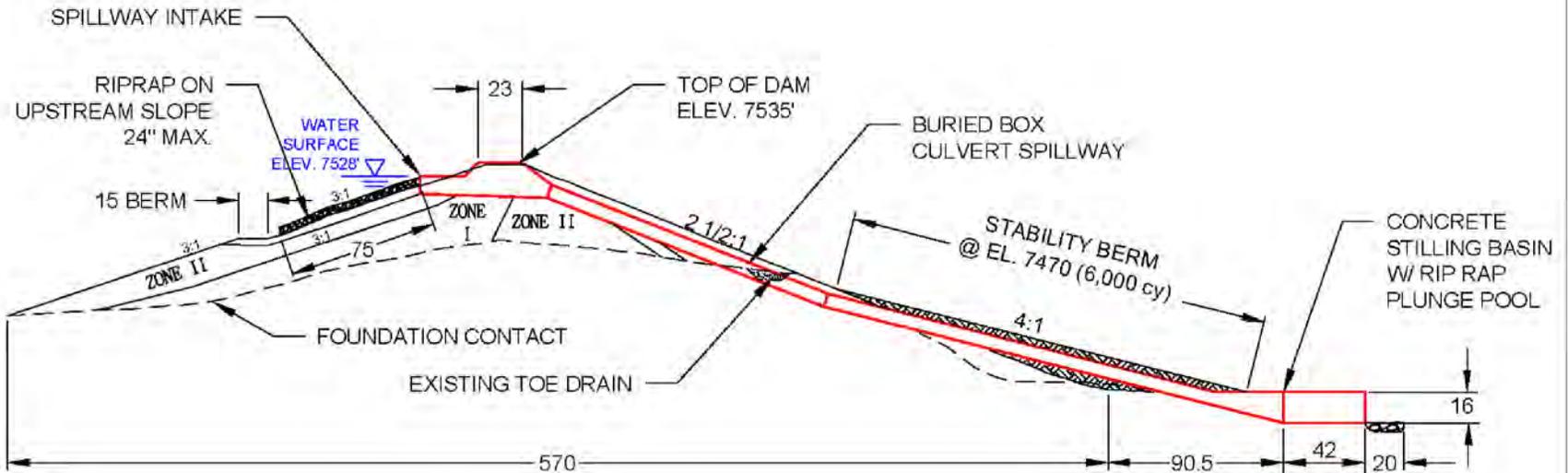


Figure not to scale.