

Appendix A

Variability in 100-year Water Surface Profiles

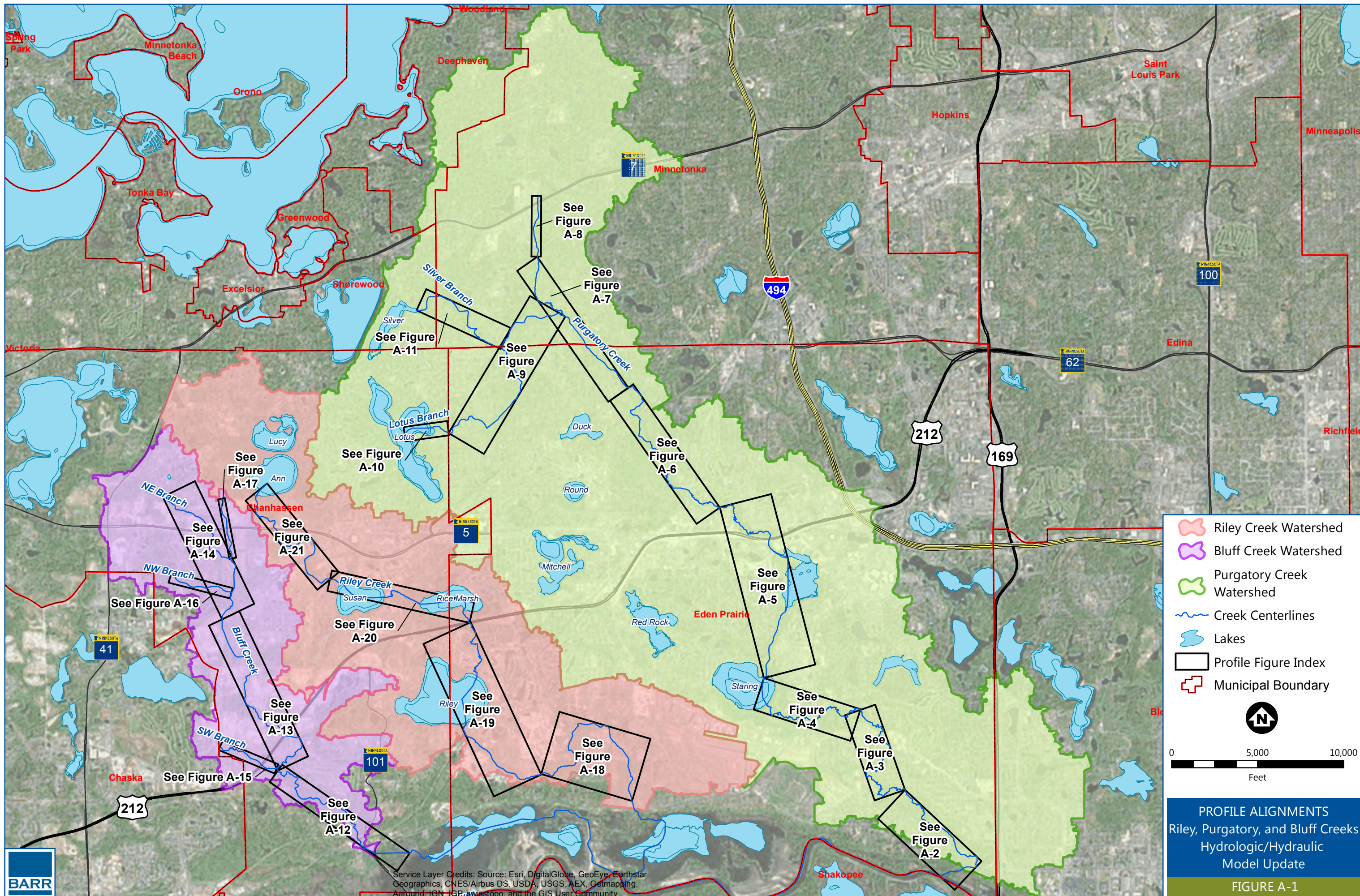
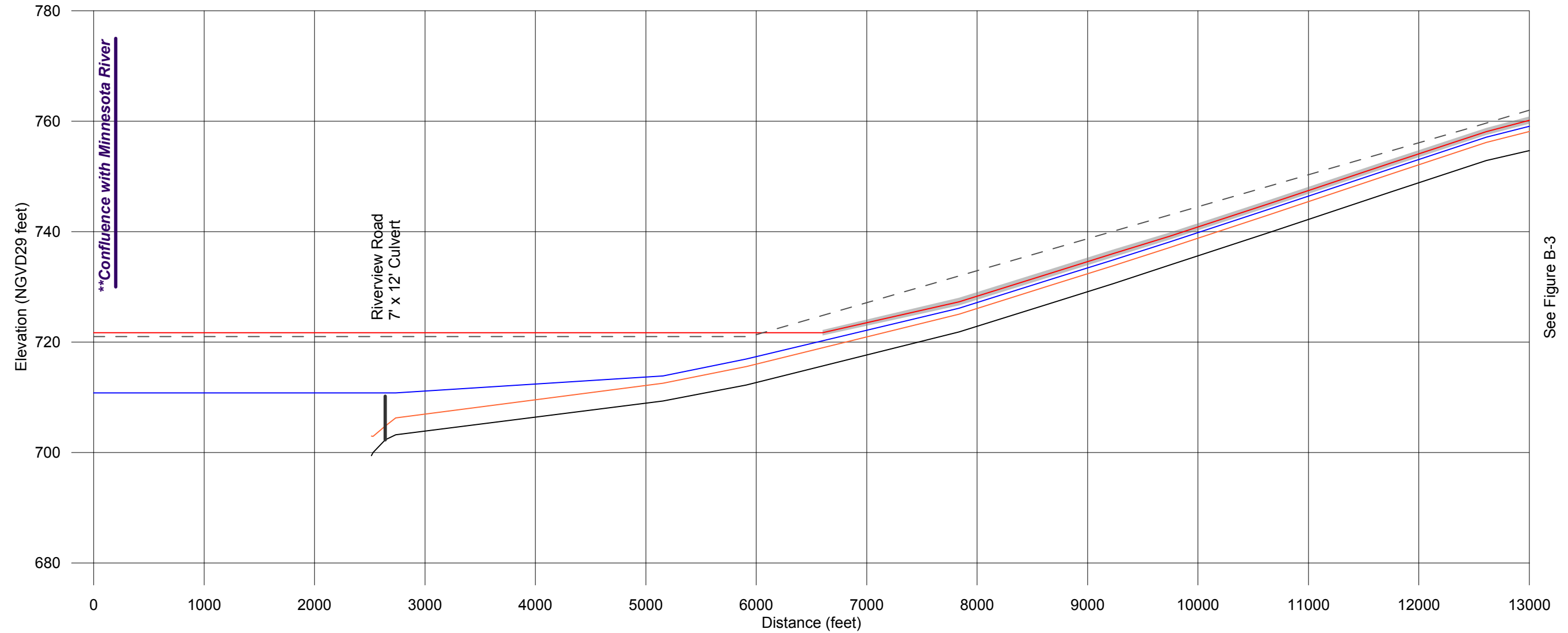


Figure A-2. Purgatory Creek: Minnesota River to Trail Crossing near Gristmill Ridge



See Figure B-3

*Dimensions for box and arch pipes are listed as height x span

**100-year and 10-year water surface elevations on the Minnesota River are from the 1978 Scott County Effective Flood Insurance Study

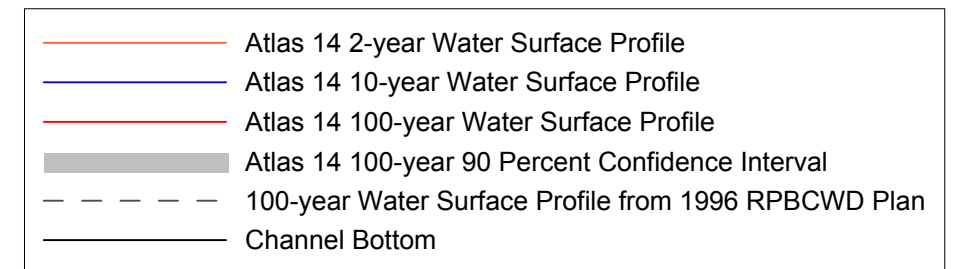


Figure A-3. Purgatory Creek: Trail Crossing near Gristmill Ridge to Homeward Hills Road

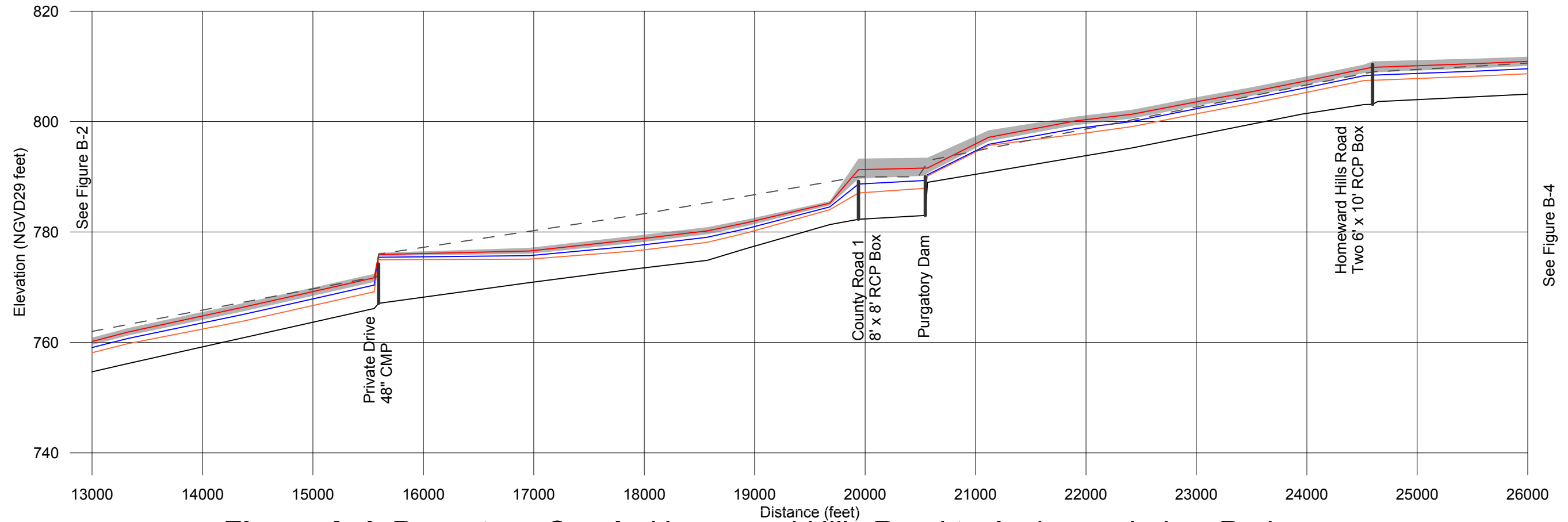


Figure A-4. Purgatory Creek: Homeward Hills Road to Anderson Lakes Parkway

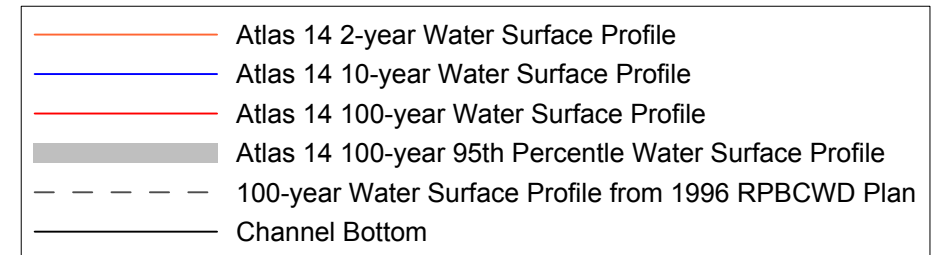
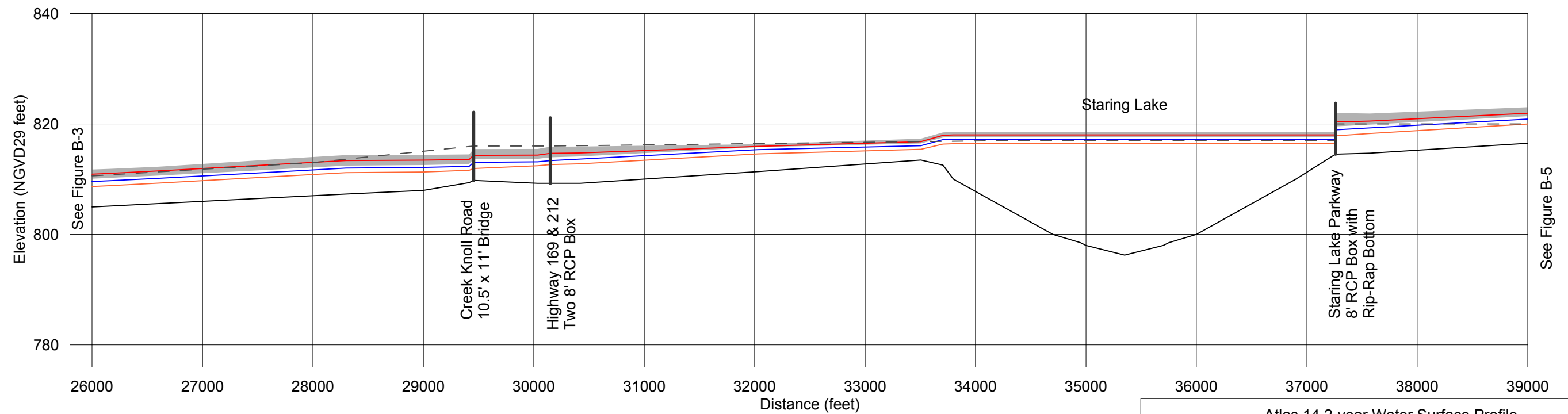


Figure A-5. Purgatory Creek: Anderson Lakes Parkway to Mitchell Road

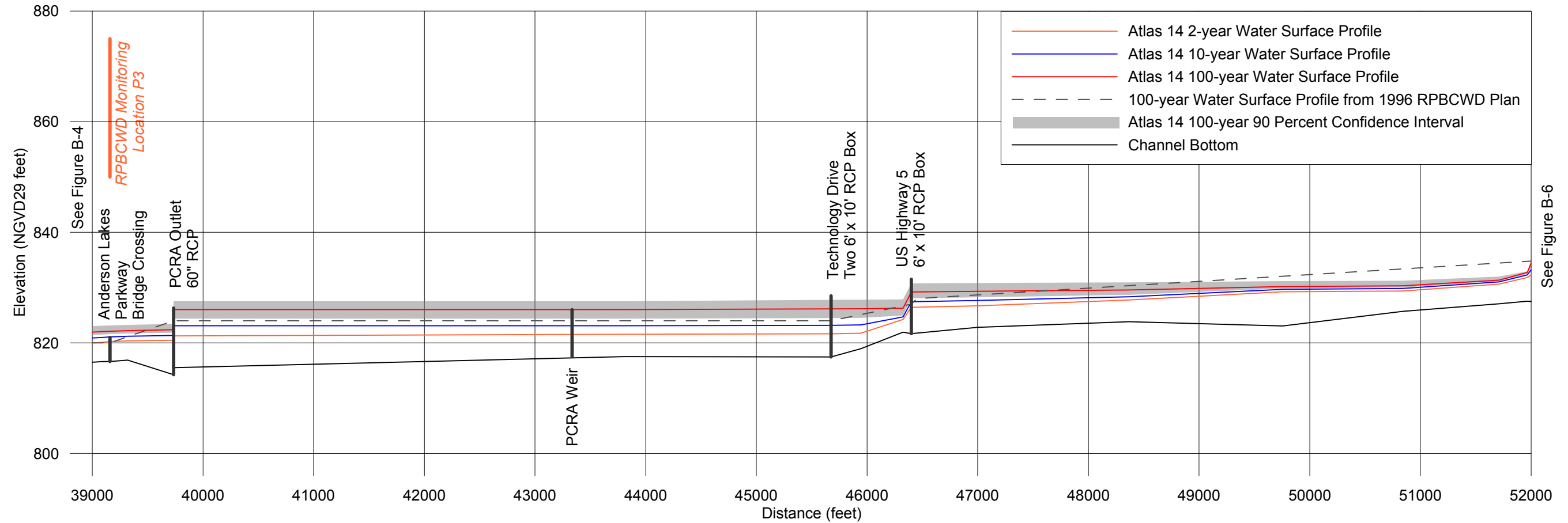
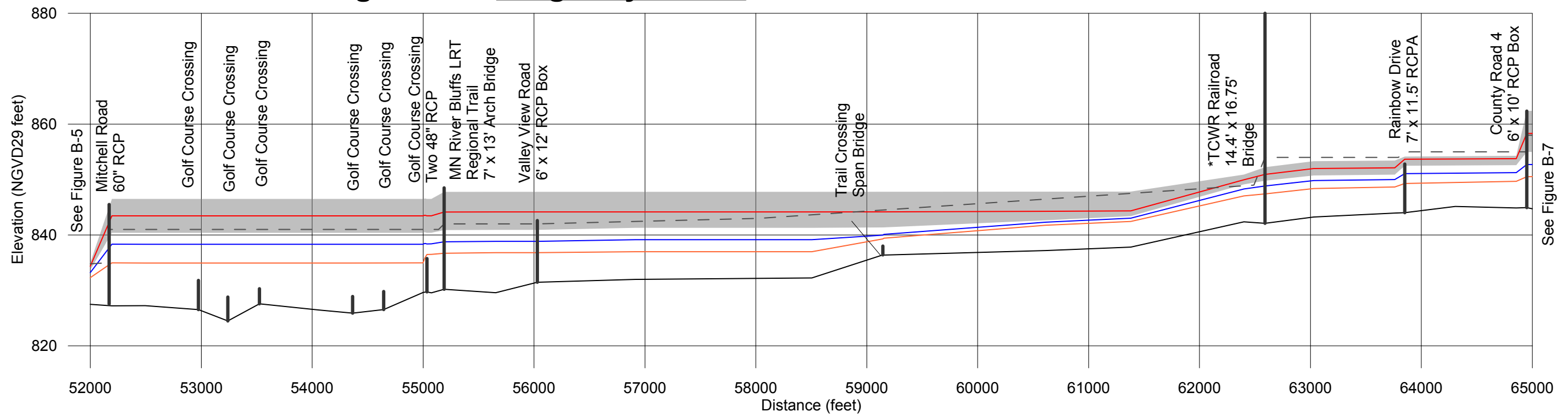


Figure A-6. Purgatory Creek: Mitchell Road to Eden Prairie Road



*Culvert shape and dimensions estimated from field investigation measurements.

Figure A-7. Purgatory Creek: Eden Prairie Road to Stodola Road

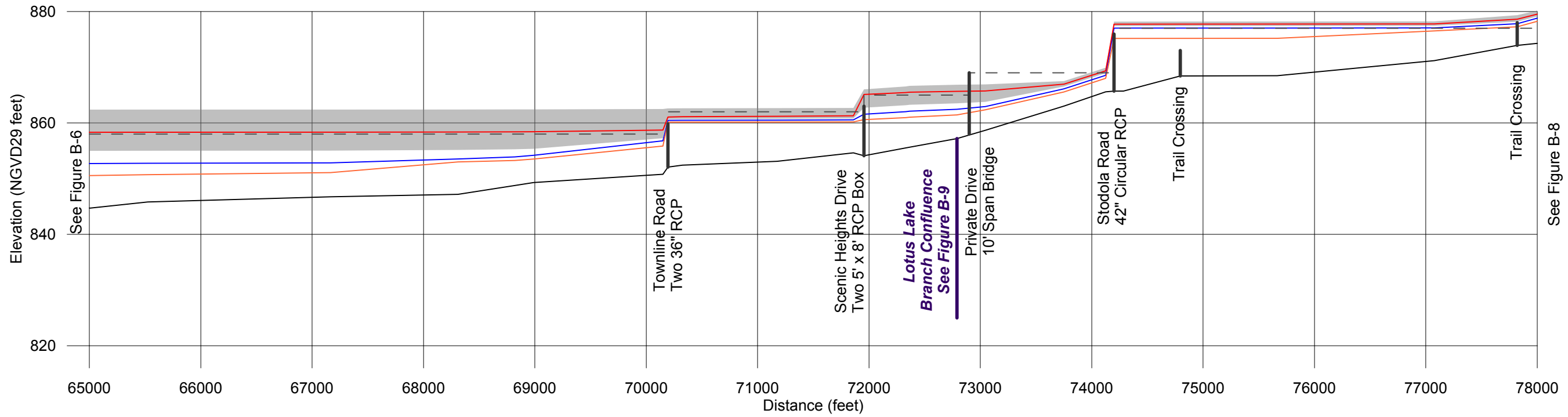


Figure A-8. Purgatory Creek: Stodola Road to Ridgewood Road

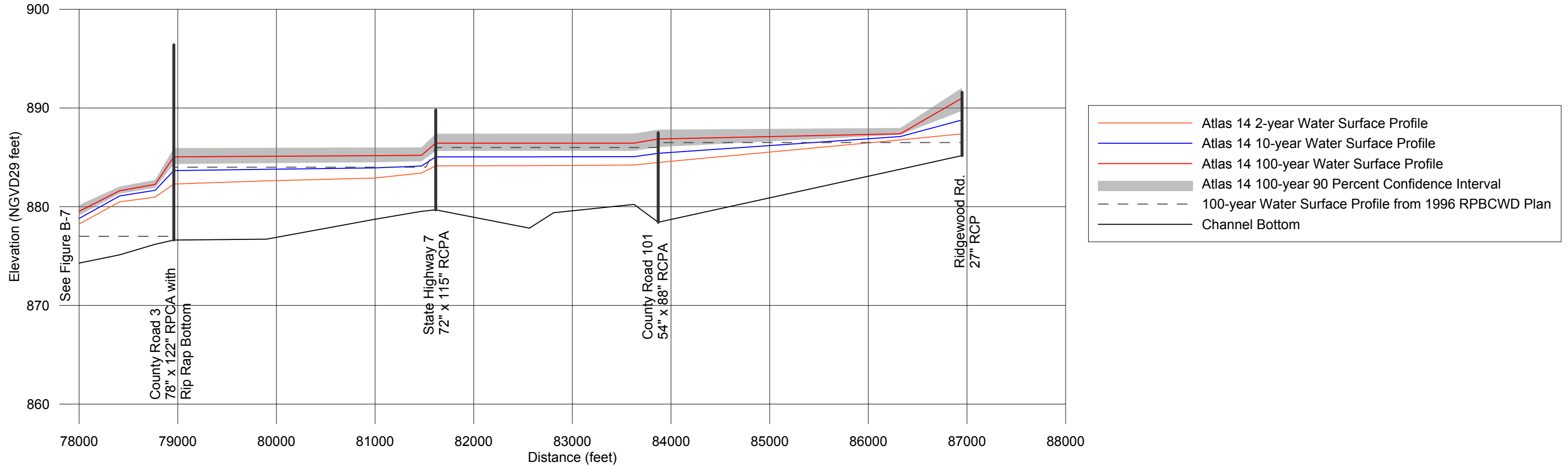


Figure A-9. Purgatory Creek: Lotus Lake Branch

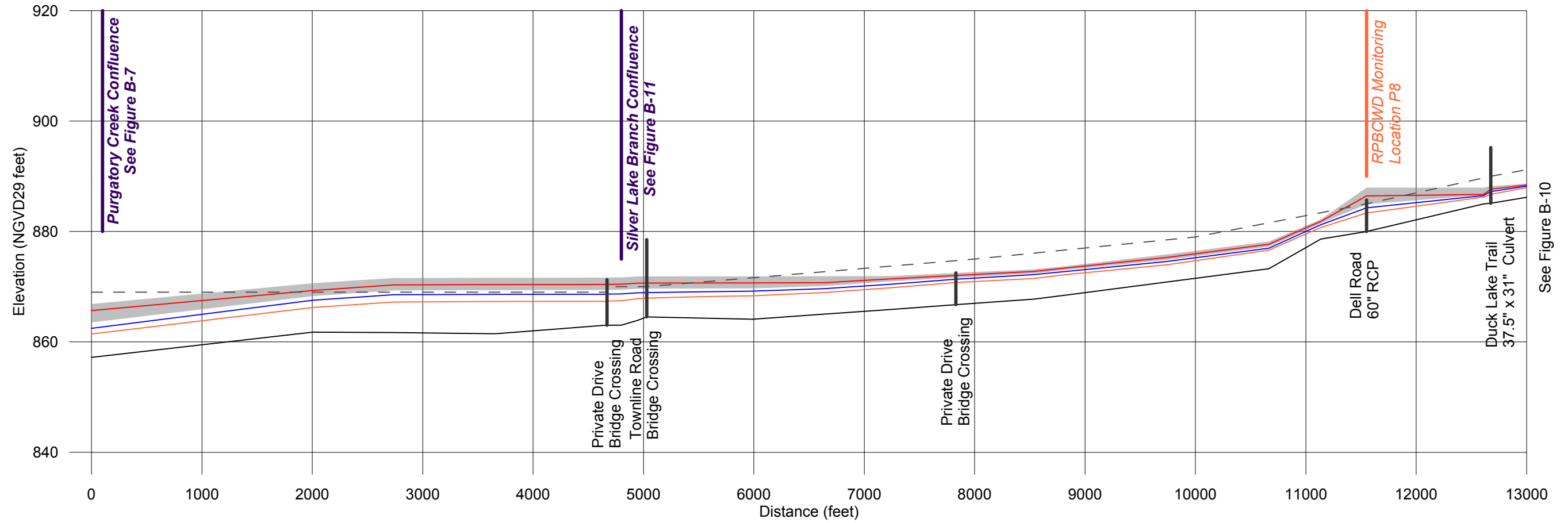


Figure A-10. Purgatory Creek: Lotus Lake Branch

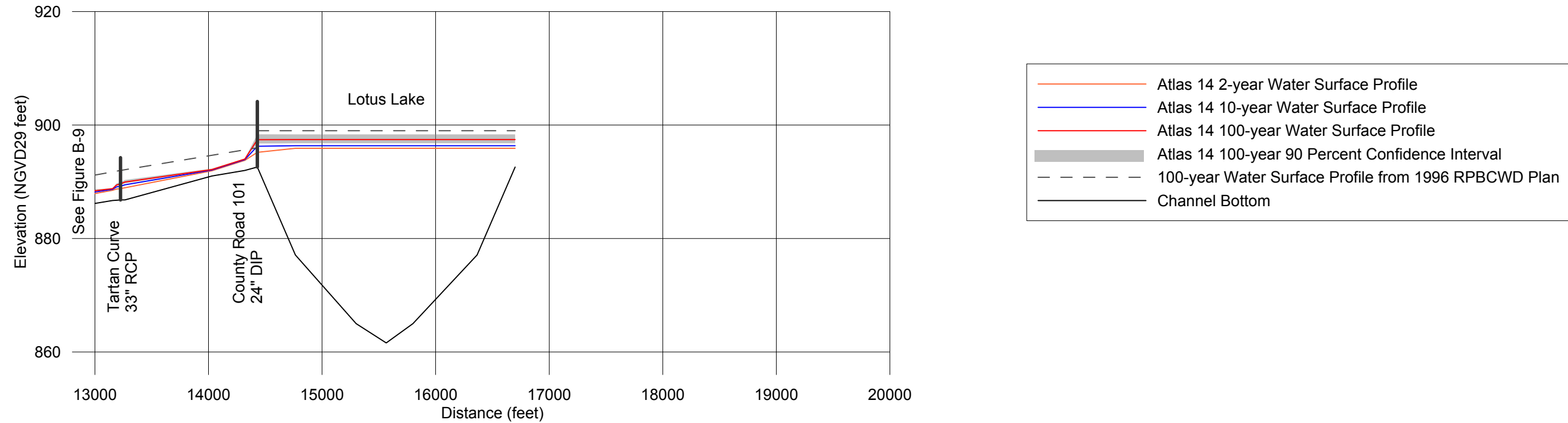
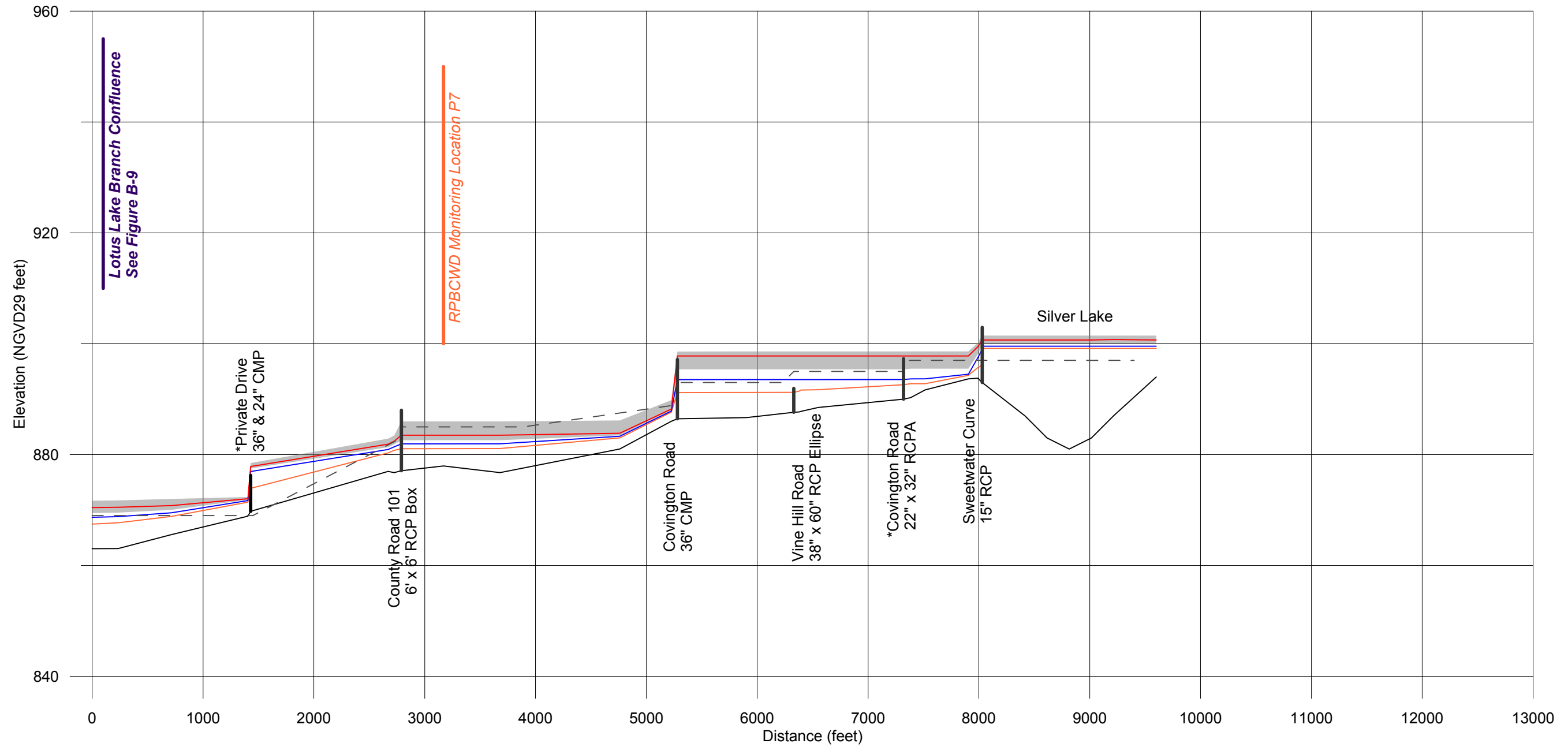


Figure A-11. Purgatory Creek: Silver Lake Branch



*Culvert material and size from previous profile note.

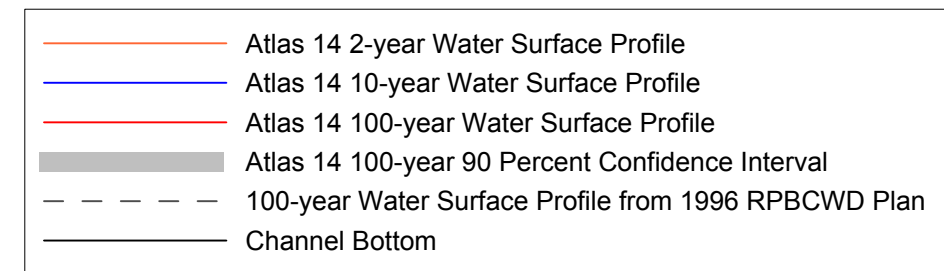
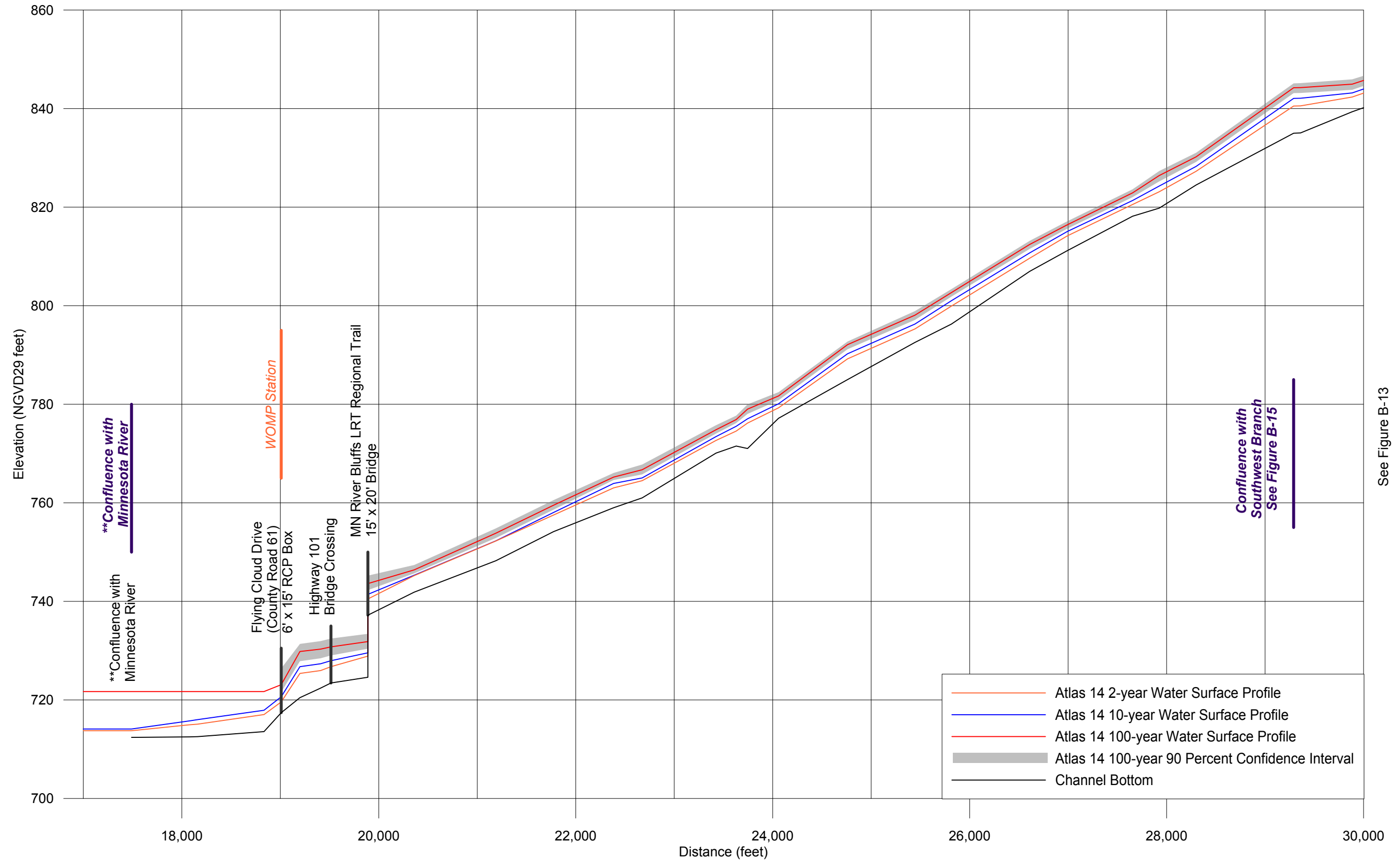


Figure A-12. Bluff Creek: Minnesota River to County Road 14



*Dimensions for box and arch pipes are listed as height x span

**100-year and 10-year water surface elevations on the Minnesota River are from the 1978 Scott County Effective Flood Insurance Study

Figure A-13. Bluff Creek: County Road 14 to Audubon Road

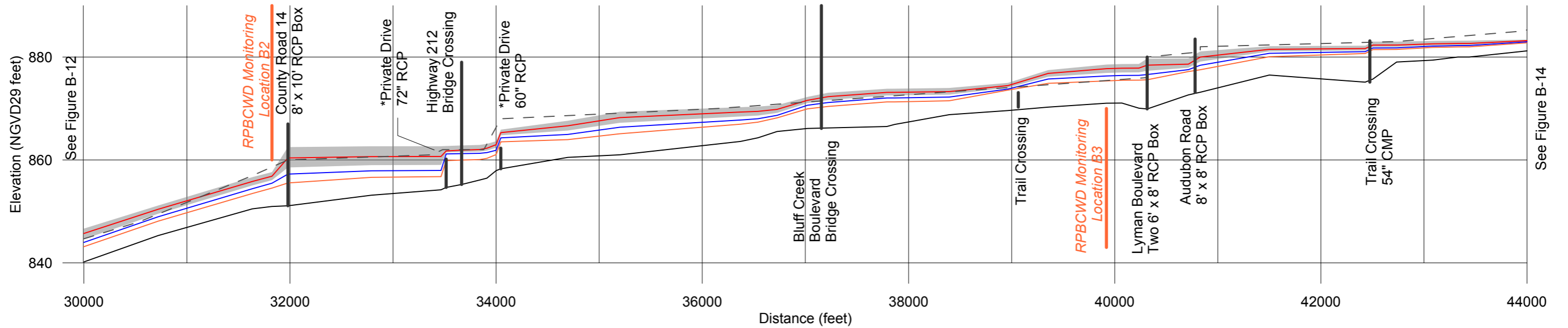
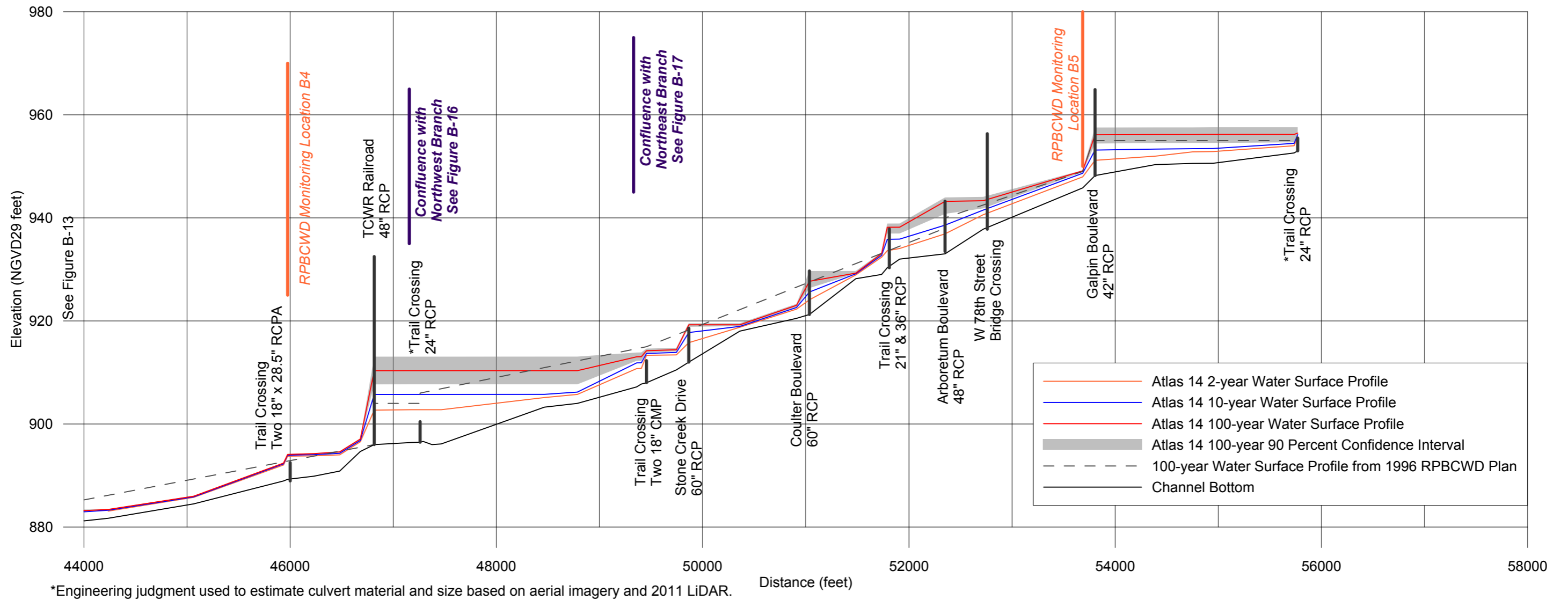
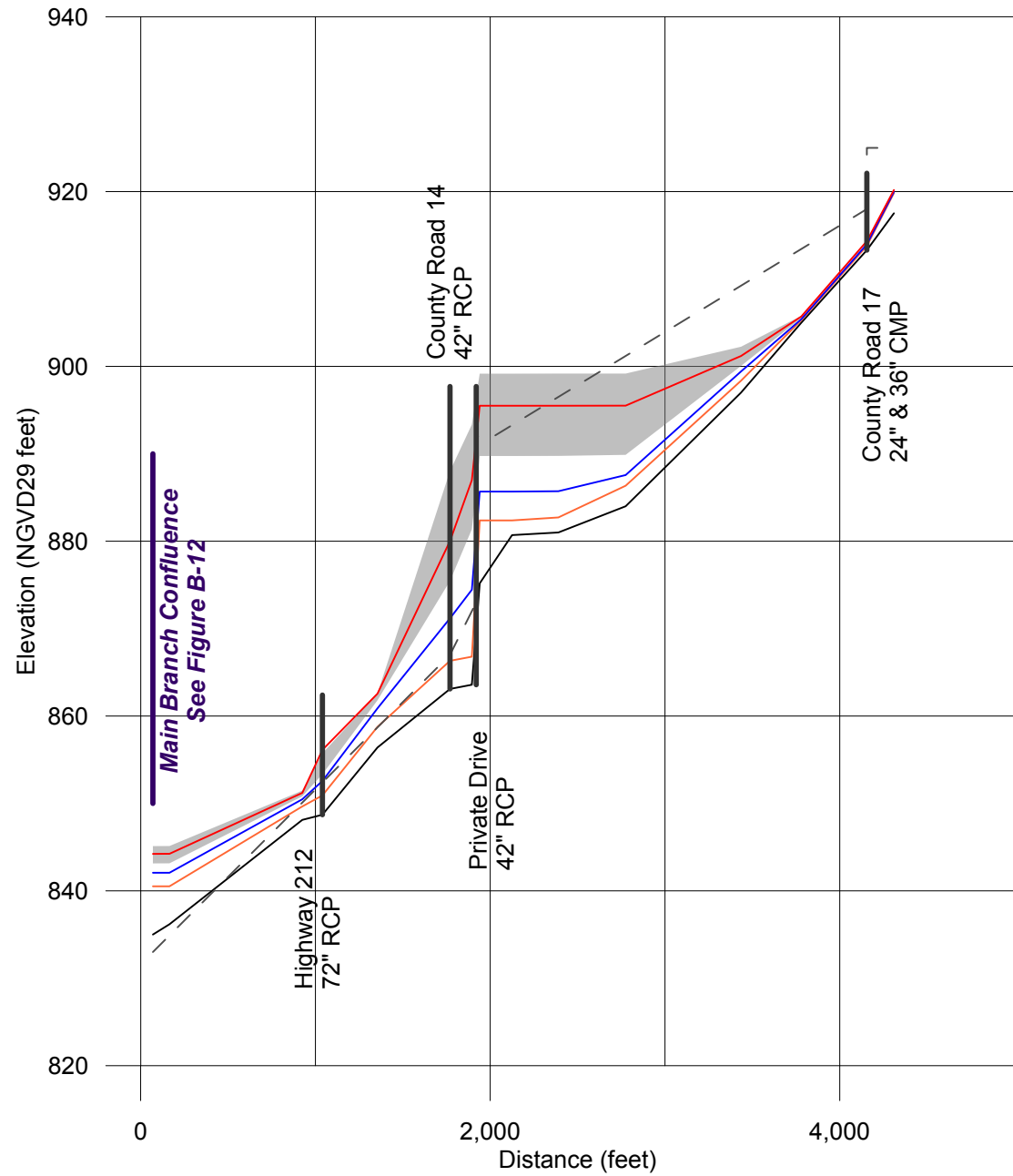


Figure A-14. Bluff Creek: Audubon Road to Trail Crossing near Ridgeview Way



*Engineering judgment used to estimate culvert material and size based on aerial imagery and 2011 LiDAR.

Figure A-15. Bluff Creek: Southwest Branch



*Engineering judgment used to estimate culvert material and size based on aerial imagery and 2011 LiDAR.

- Atlas 14 2-year Water Surface Profile
- Atlas 14 10-year Water Surface Profile
- Atlas 14 100-year Water Surface Profile
- Atlas 14 100-year 90 Percent Confidence Interval
- - - 100-year Water Surface Profile from 1996 RPBCWD Plan
- Channel Bottom

Figure A-16. Bluff Creek: Northwest Branch

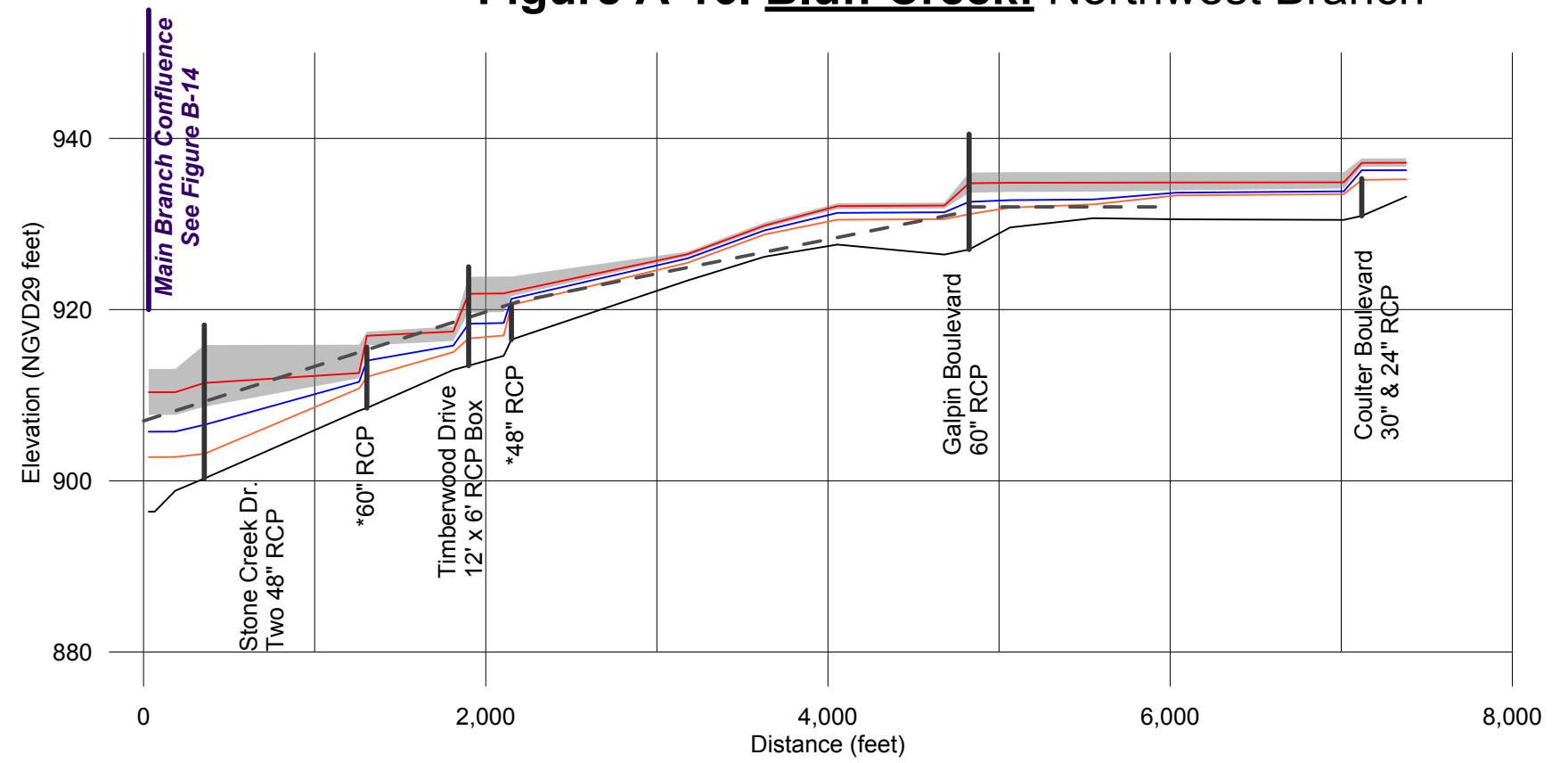


Figure A-17. Bluff Creek: Northeast Branch

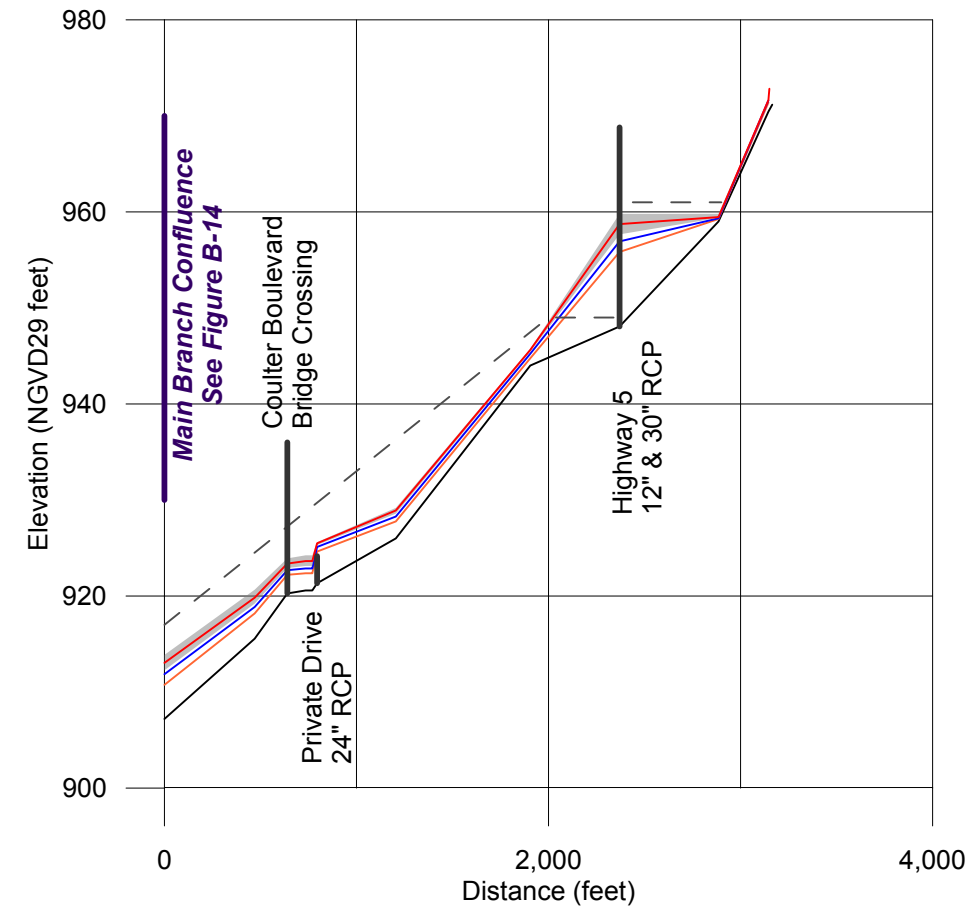
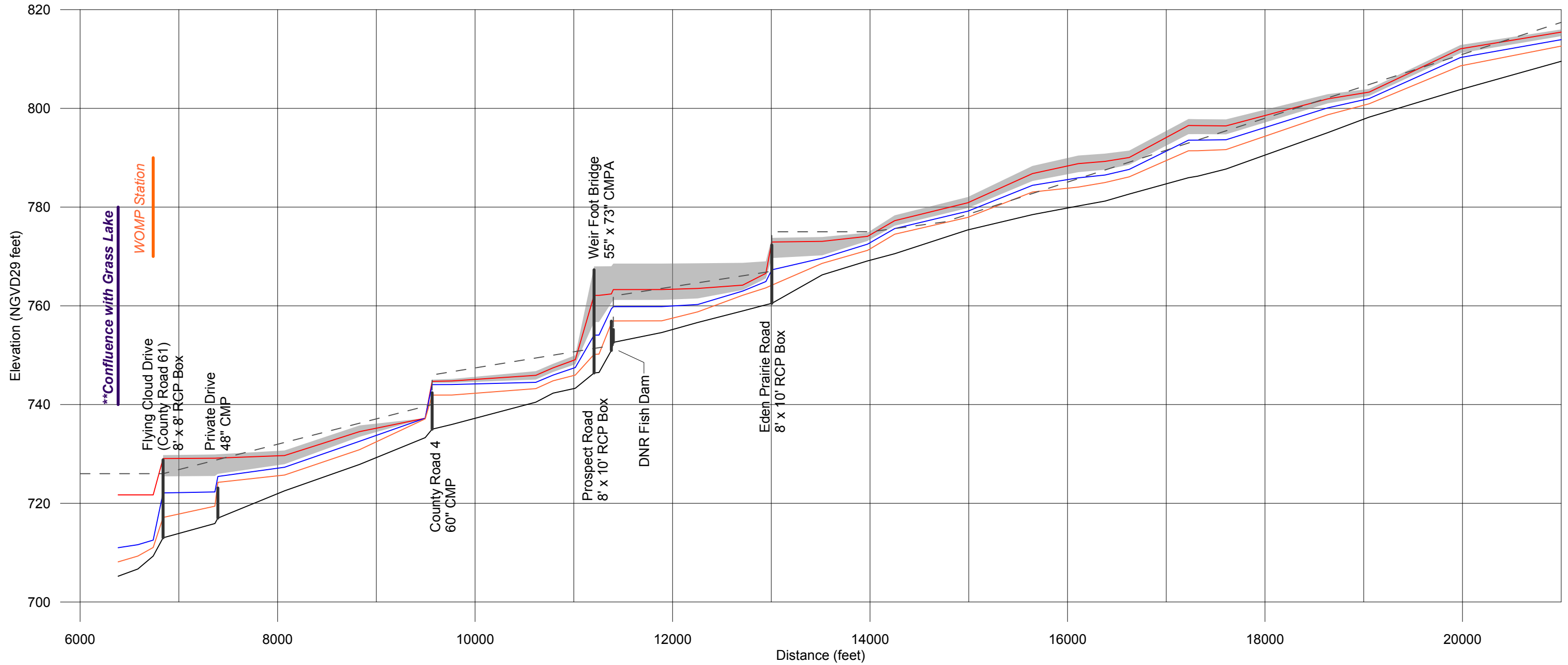


Figure A-18. Riley Creek: Grass Lake to Dell Road



See Figure B-19

*Dimensions for box and arch pipes are listed as height x span
 **100-year and 10-year water surface elevations on the Minnesota River are from the 1978 Scott County Effective Flood Insurance Study

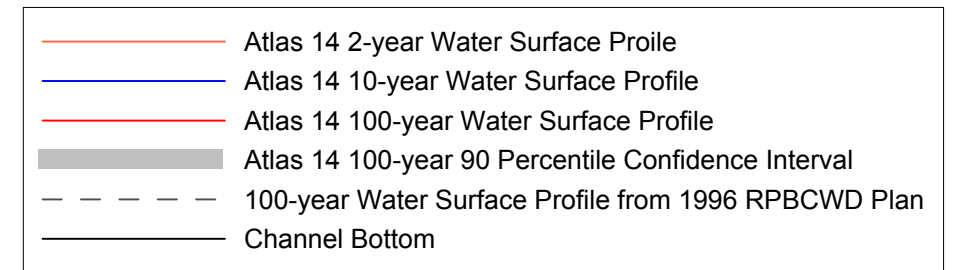


Figure A-19. Riley Creek: Dell Road to Highway 212

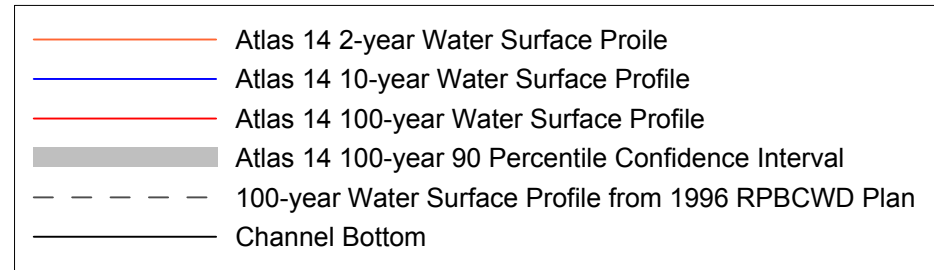
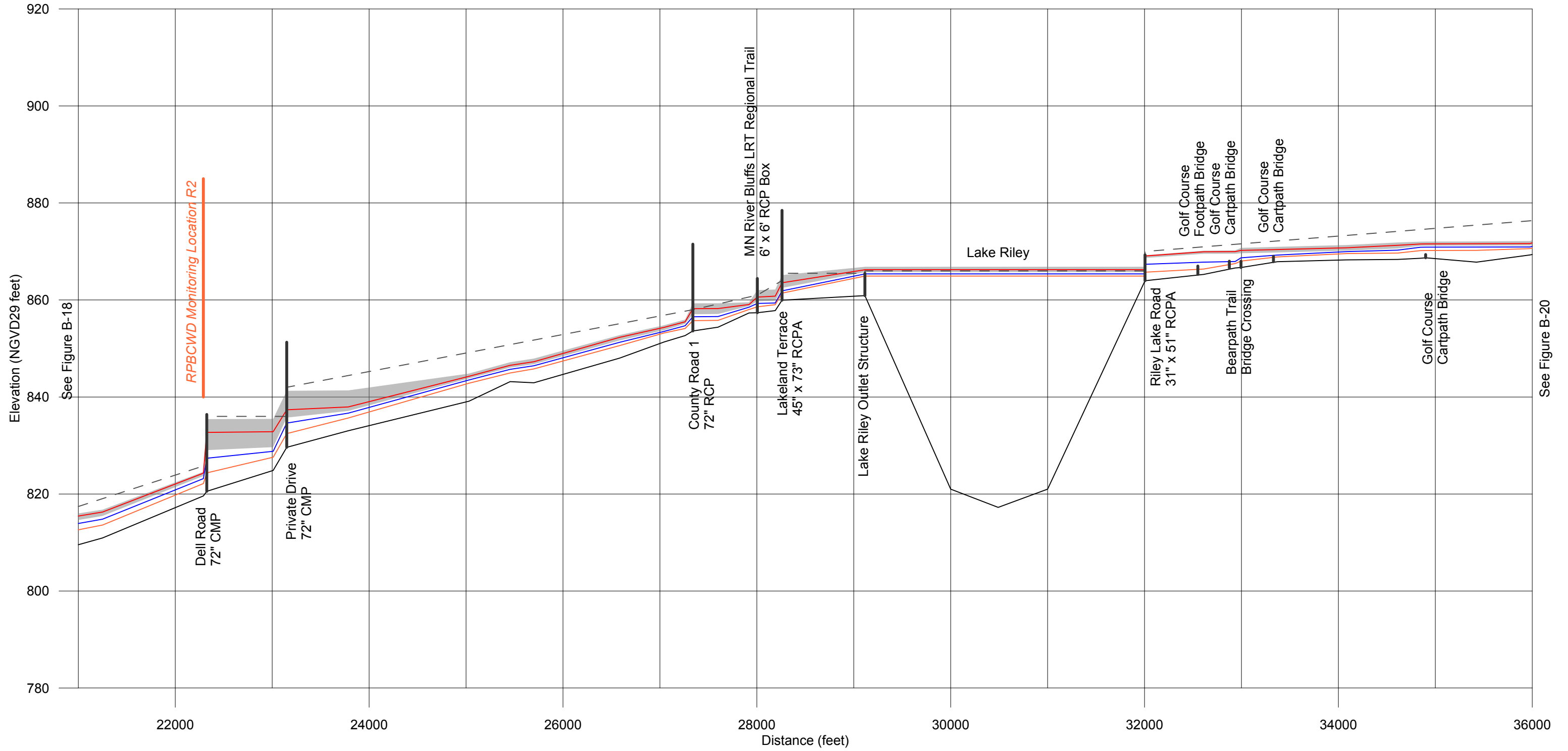


Figure A-20. Riley Creek: Highway 212 to TCWR Railroad

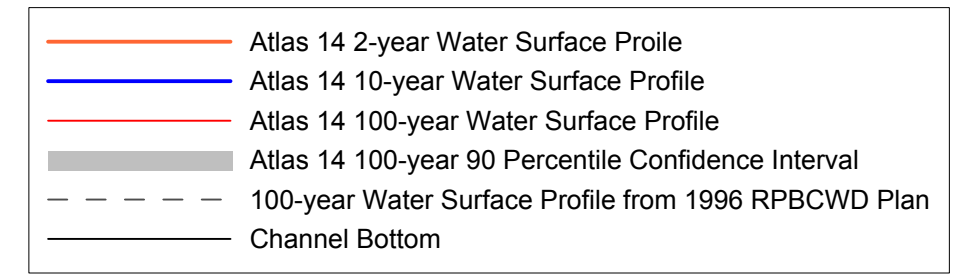
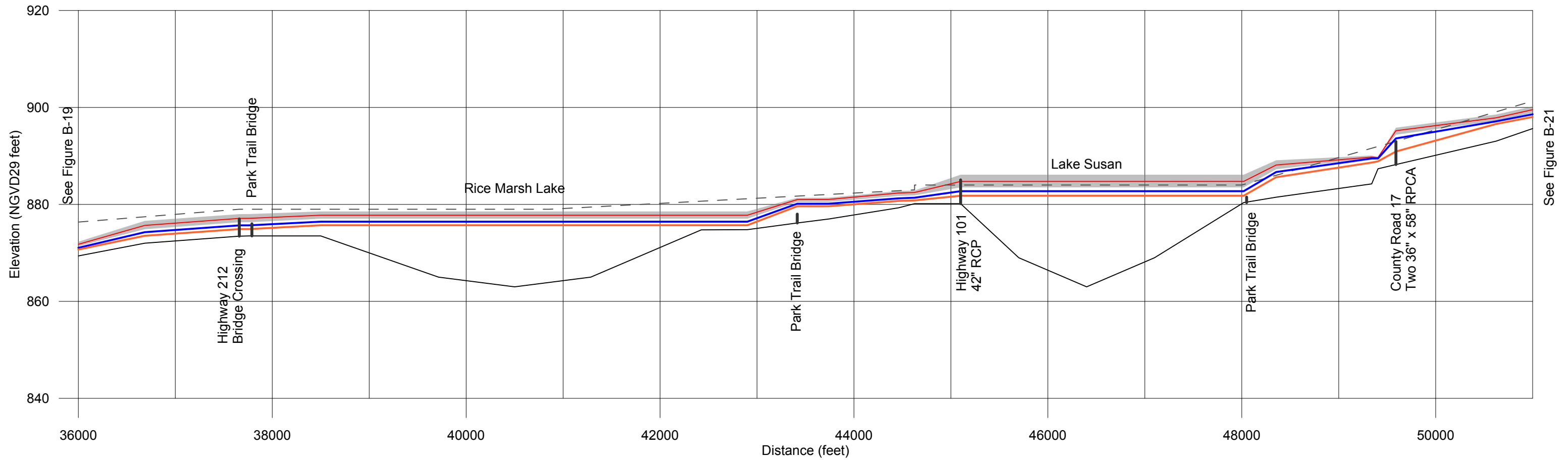


Figure A-21. Riley Creek: TCWR Railroad to Lake Lucy

