

Draft Environmental Impact Statement for the Montanore Project

Volume III

Figures

Appendices A through J



Cabinet Mountains

Photo by M. Holdeman



United States Department of Agriculture
Forest Service
Northern Region
Kootenai National Forest

**Montana Department of
Environmental Quality**

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**Figures For
Environmental Impact Statement For The
Montanore Project**

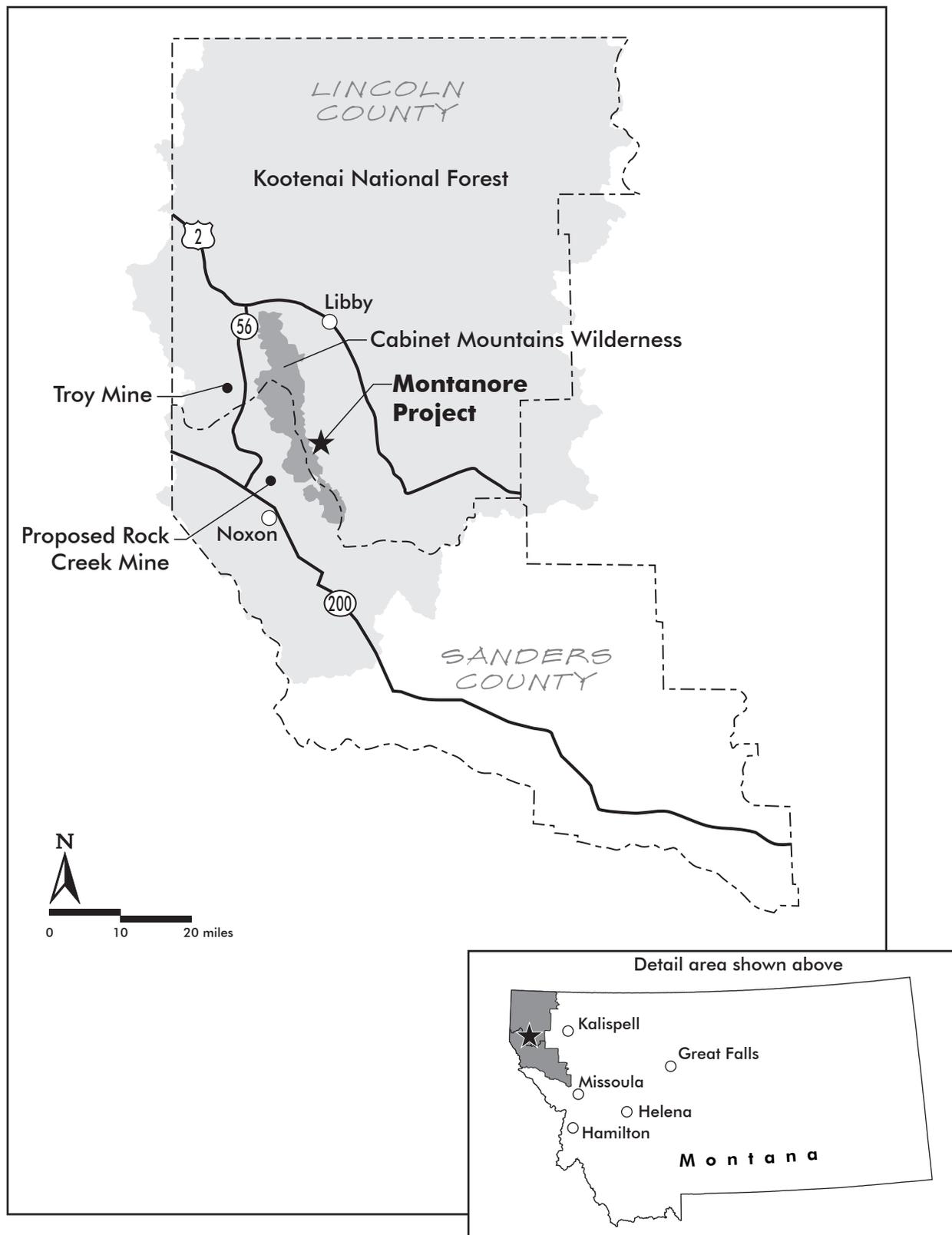


Figure 1. Location Map, Montanore Project, Kootenai National Forest.

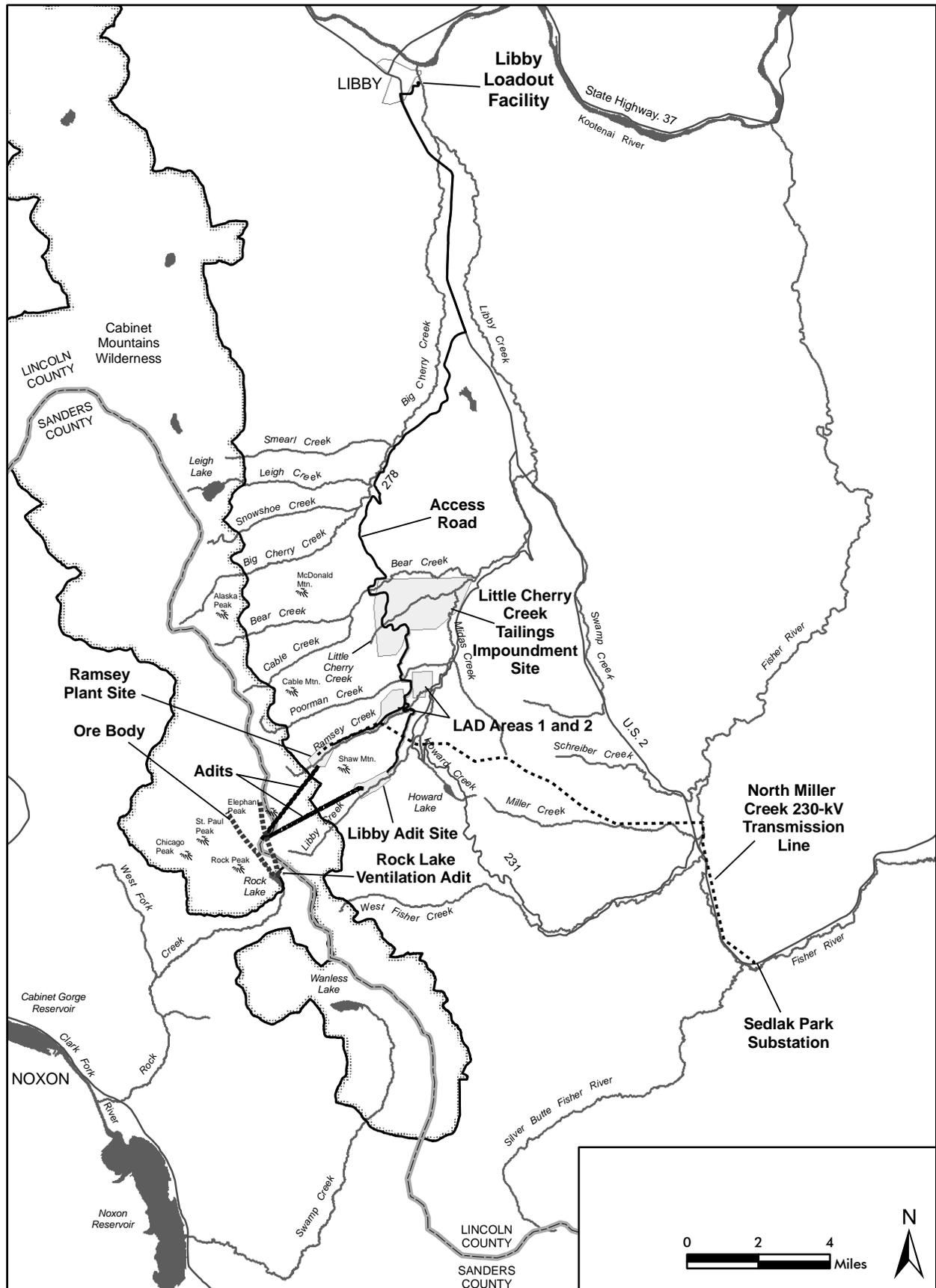


Figure 2. Location of Montanore Project Facilities, Alternative 2

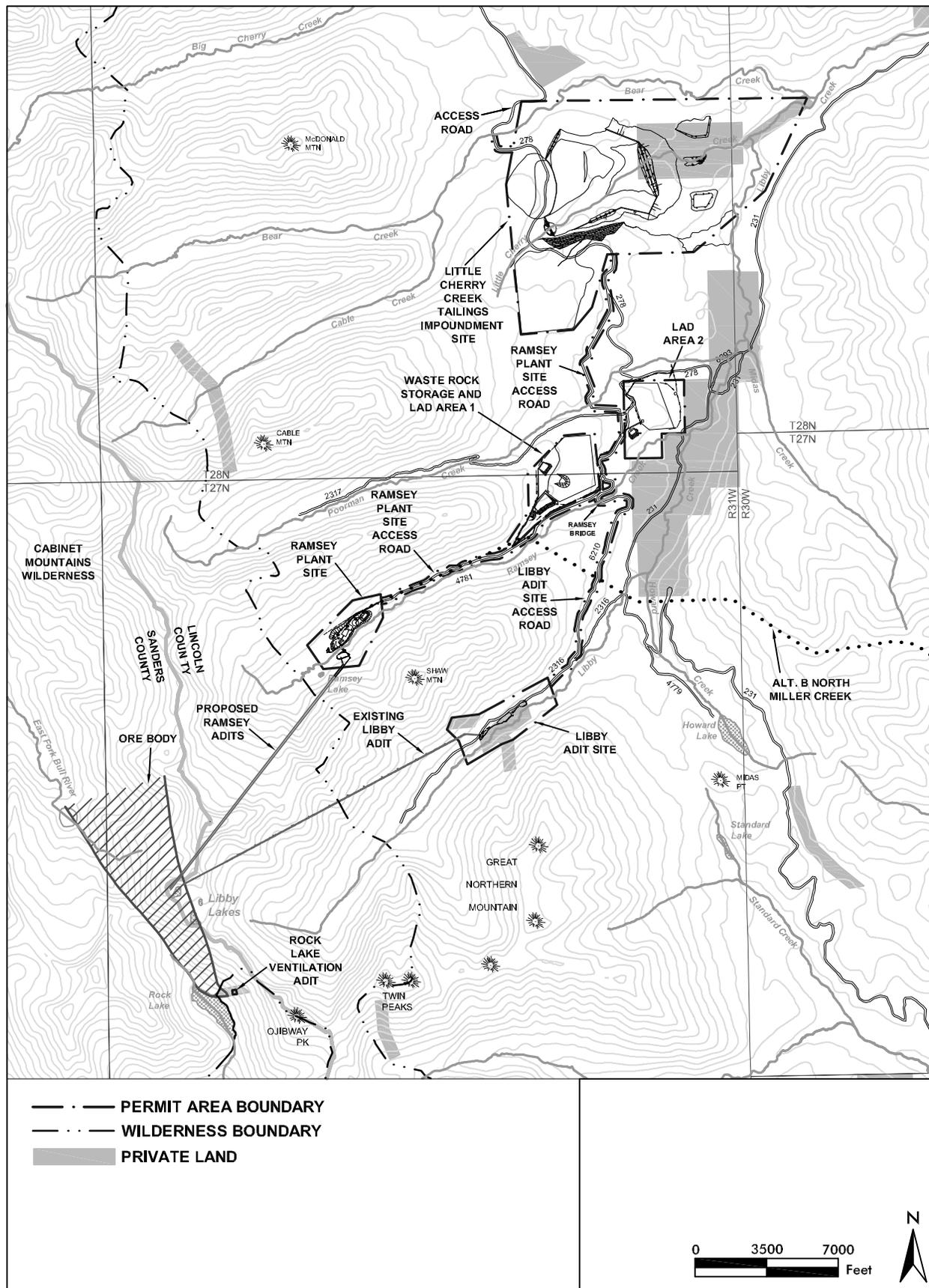


Figure 3. Mine Facilities and Permit Areas, Alternative 2

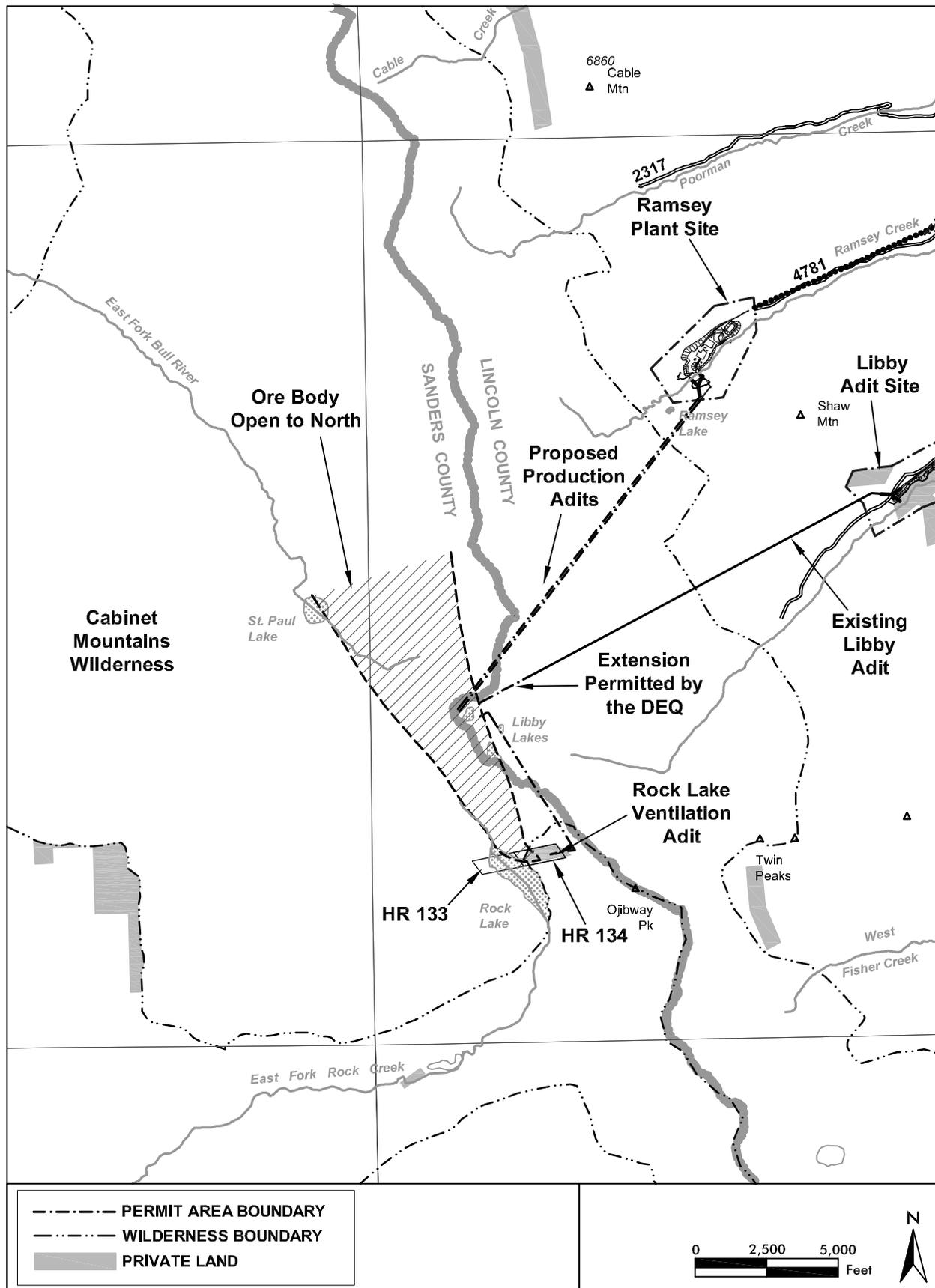


Figure 4. Existing Libby Adit and Proposed Ramsey Adits, Alternative 2

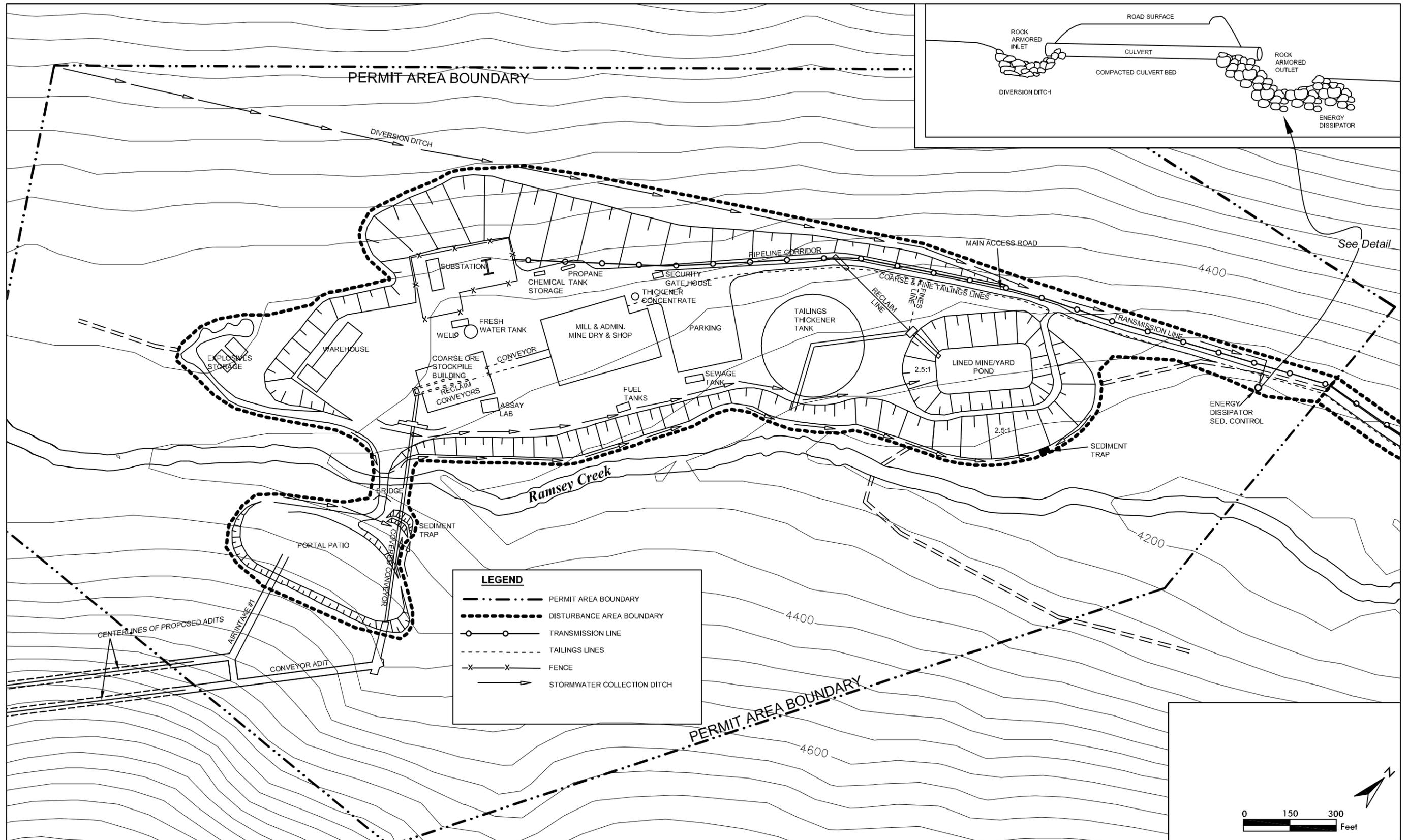


Figure 5. Ramsey Plant Site, Alternative 2

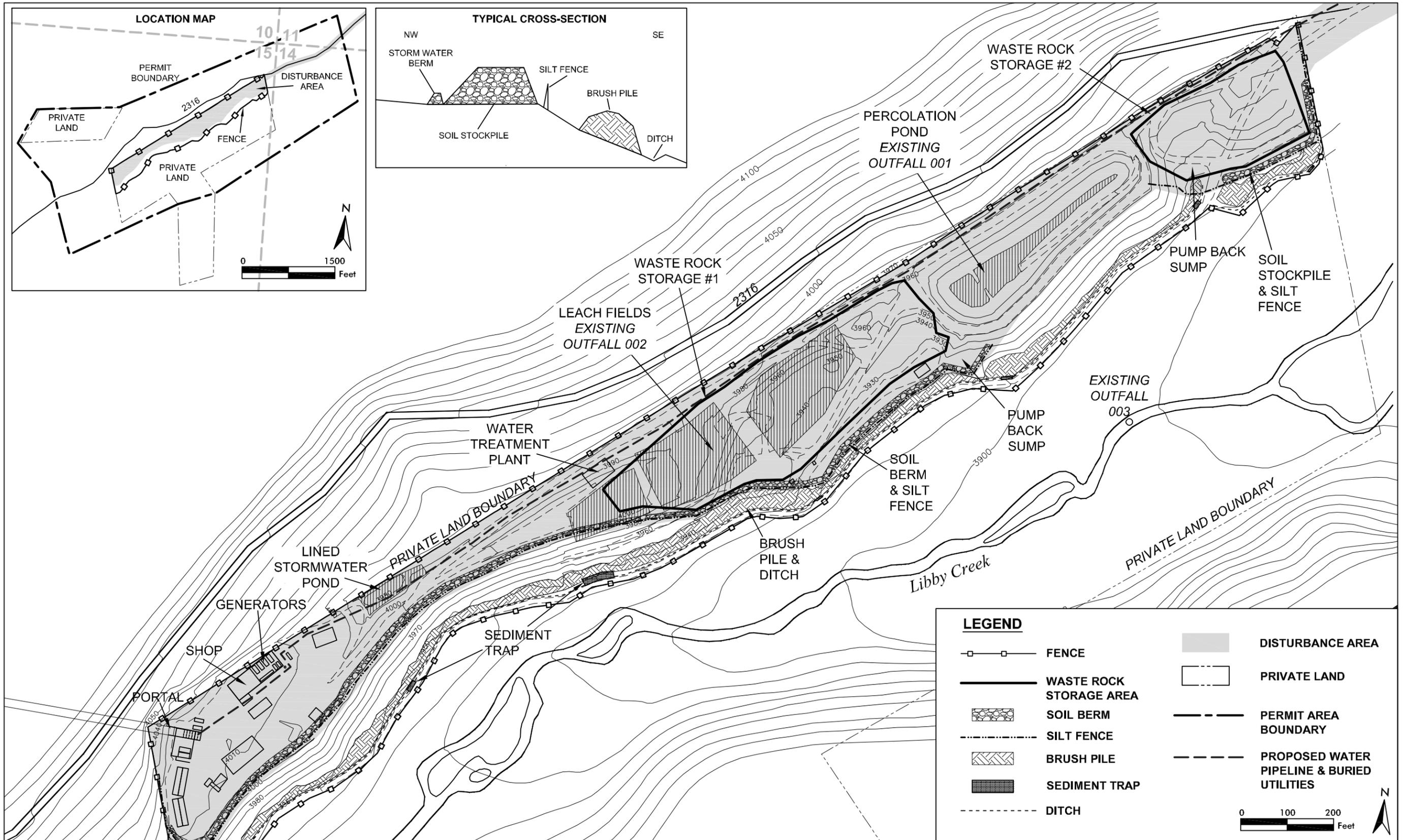


Figure 6. Existing and Proposed Libby Adit Site

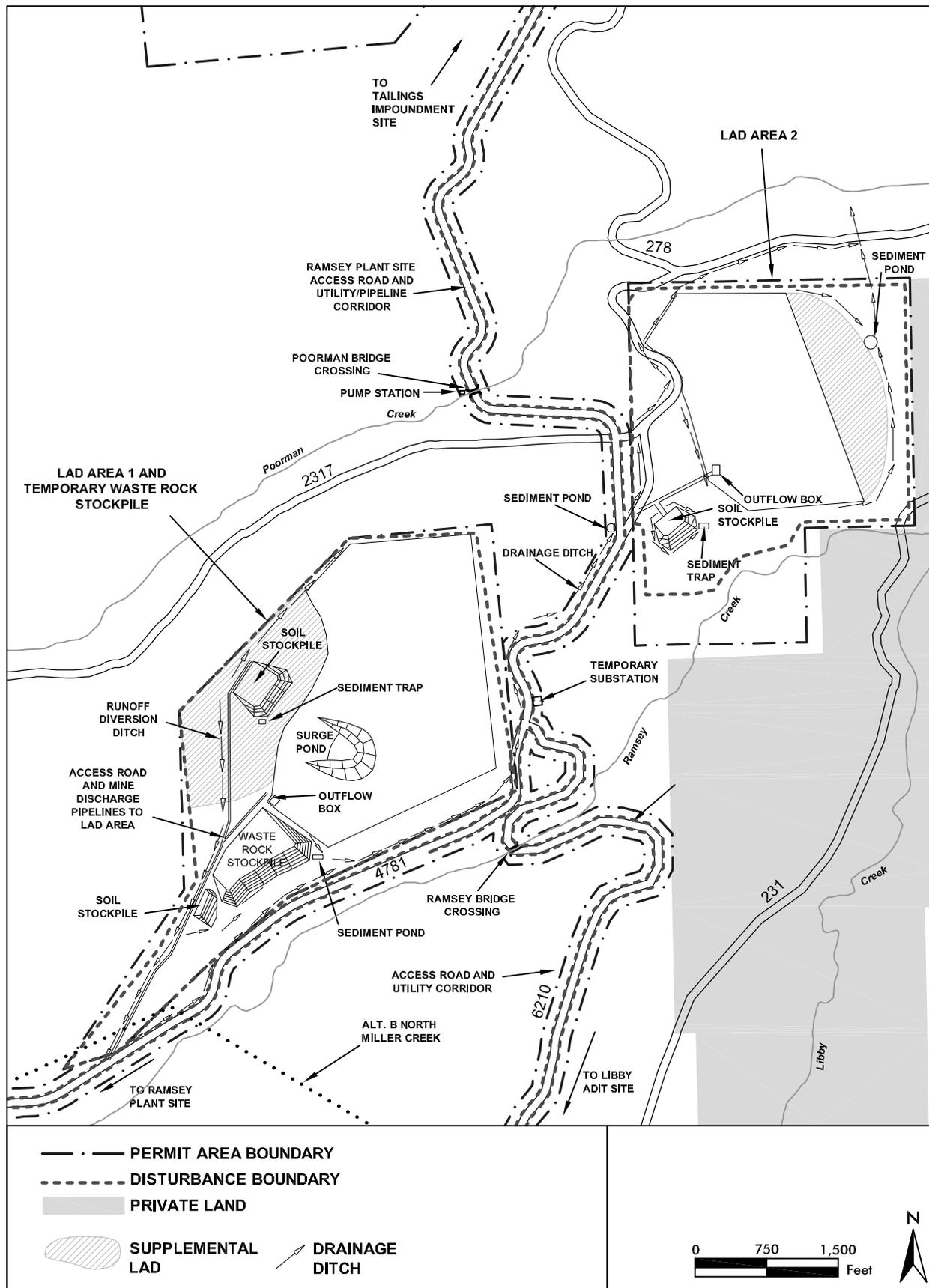


Figure 7. LAD Areas 1 and 2 and Waste Rock Stockpile, Alternative 2

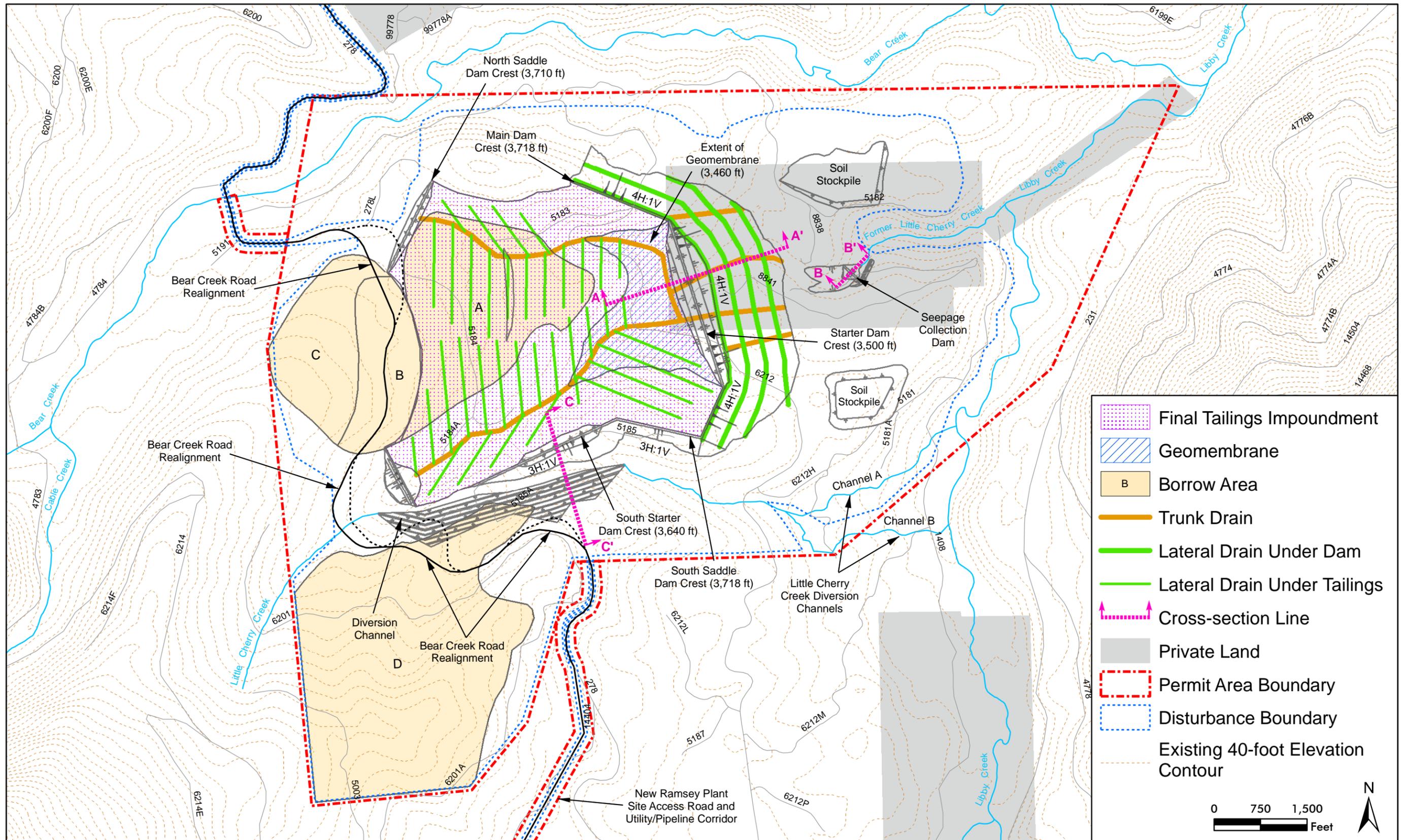


Figure 8. Little Cherry Creek Tailings Impoundment Site, Alternative 2

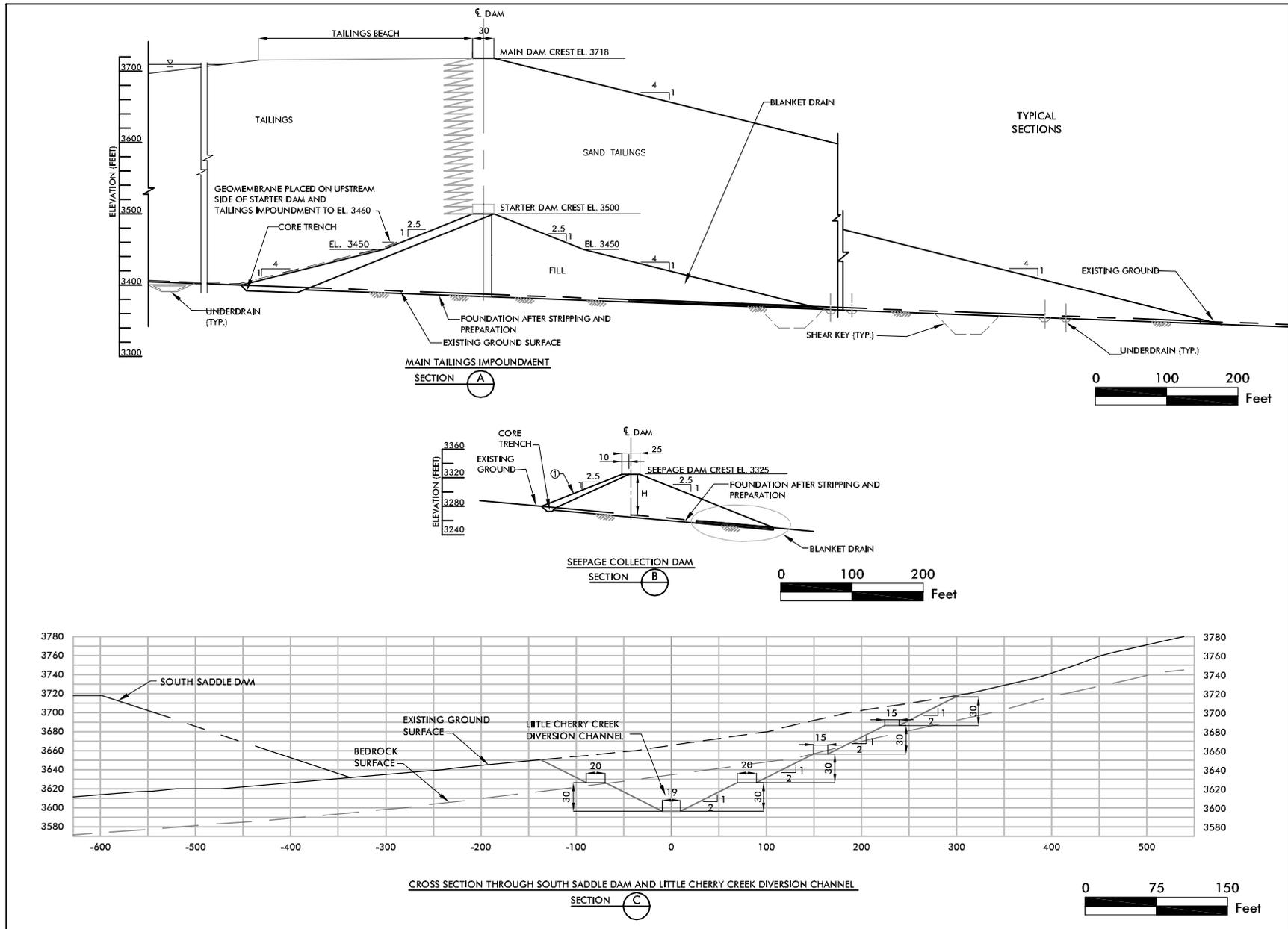


Figure 9. Little Cherry Creek Tailings Impoundment Cross Sections

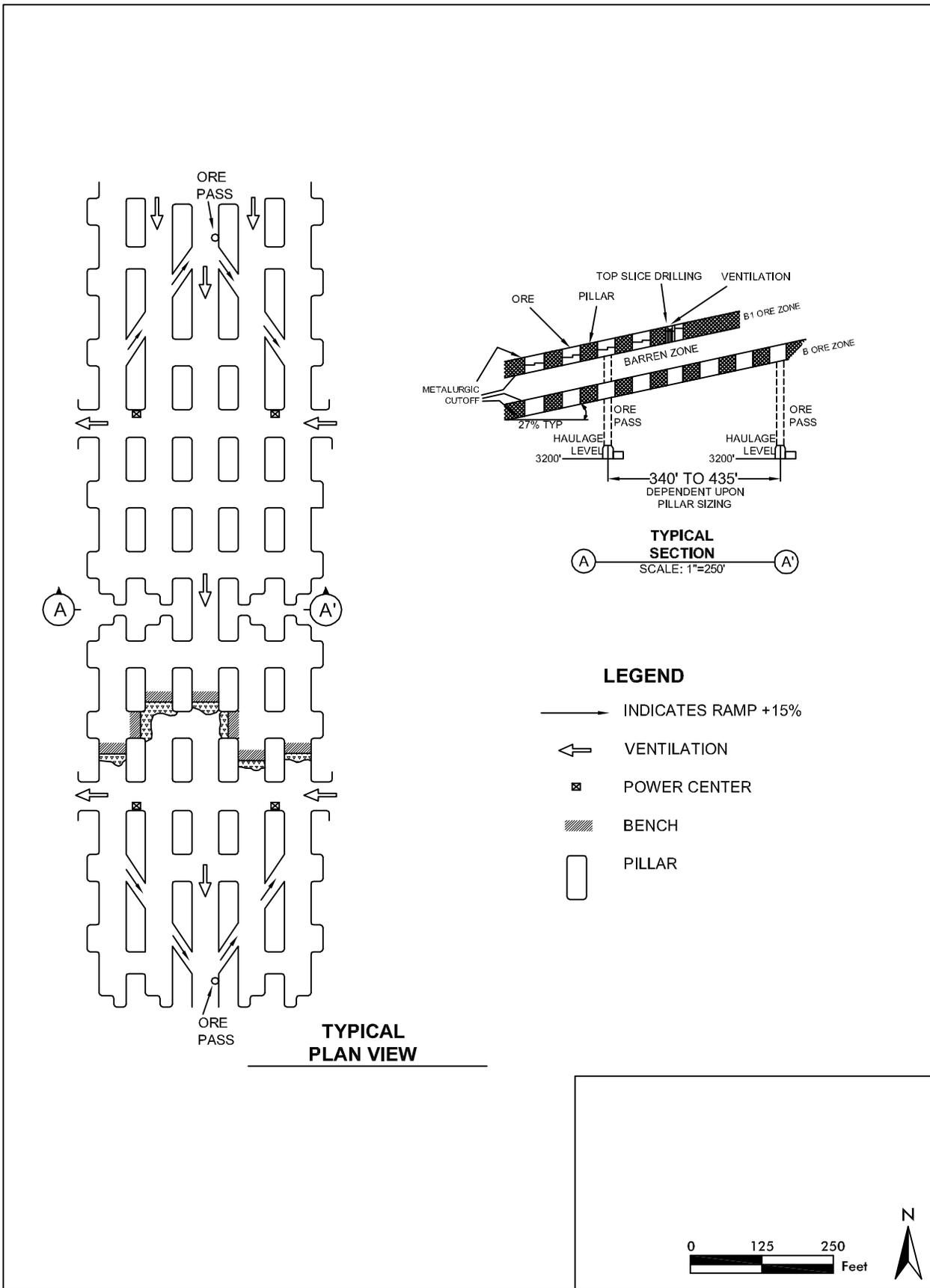


Figure 10. Room-and-Pillar Mining

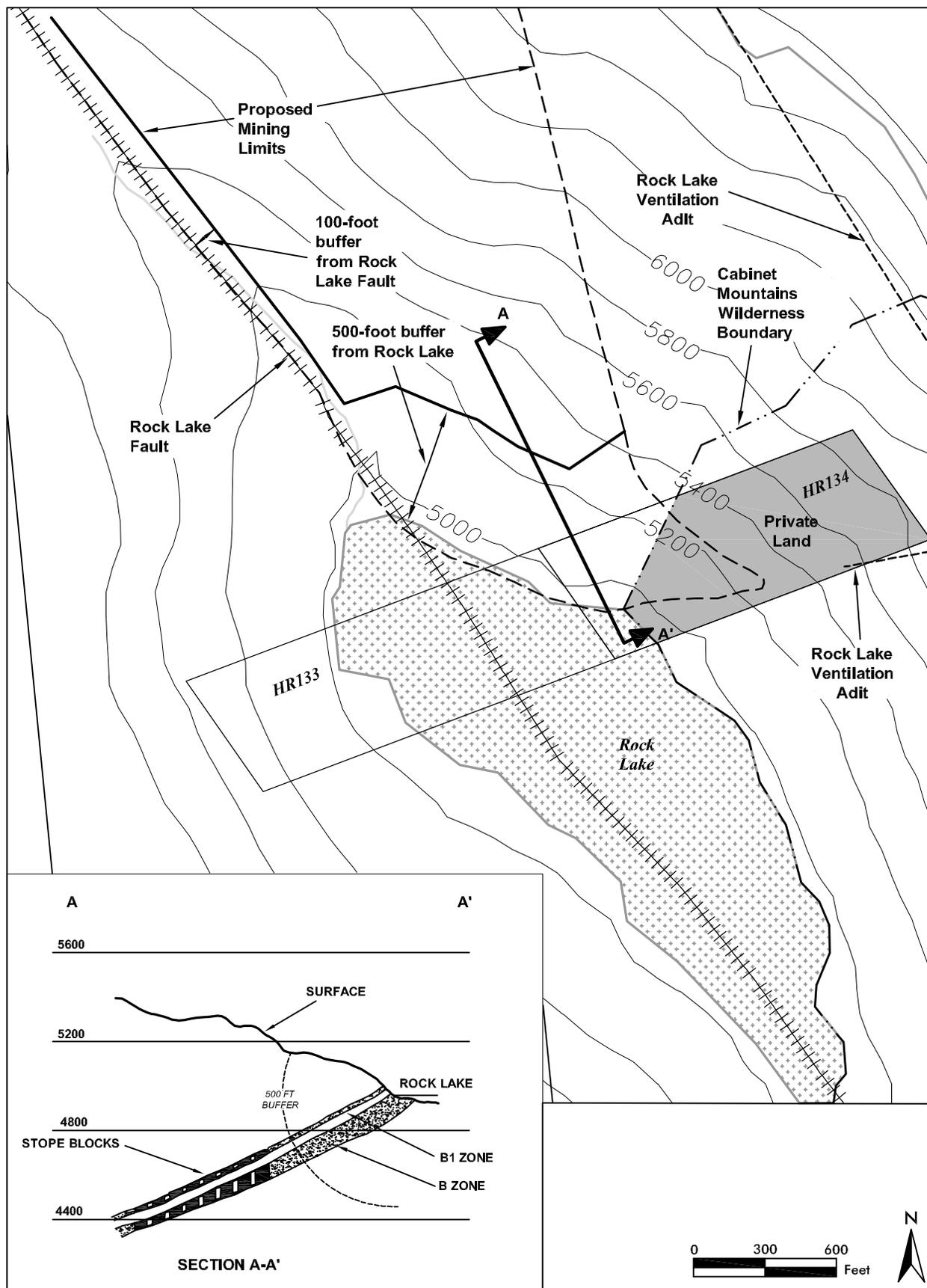


Figure 11. Relationship of the Ore Body to Rock Lake

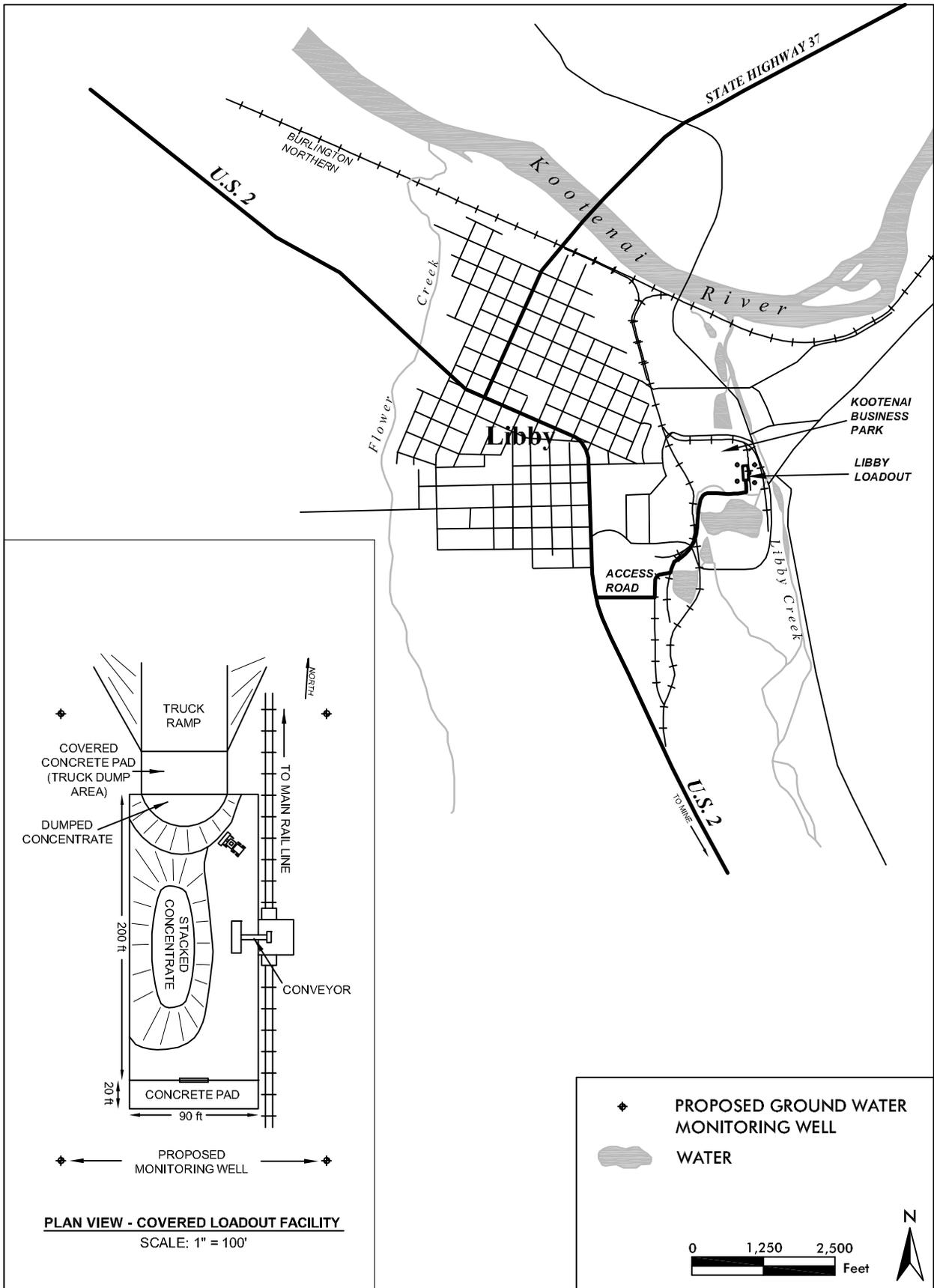


Figure 12. Libby Loadout

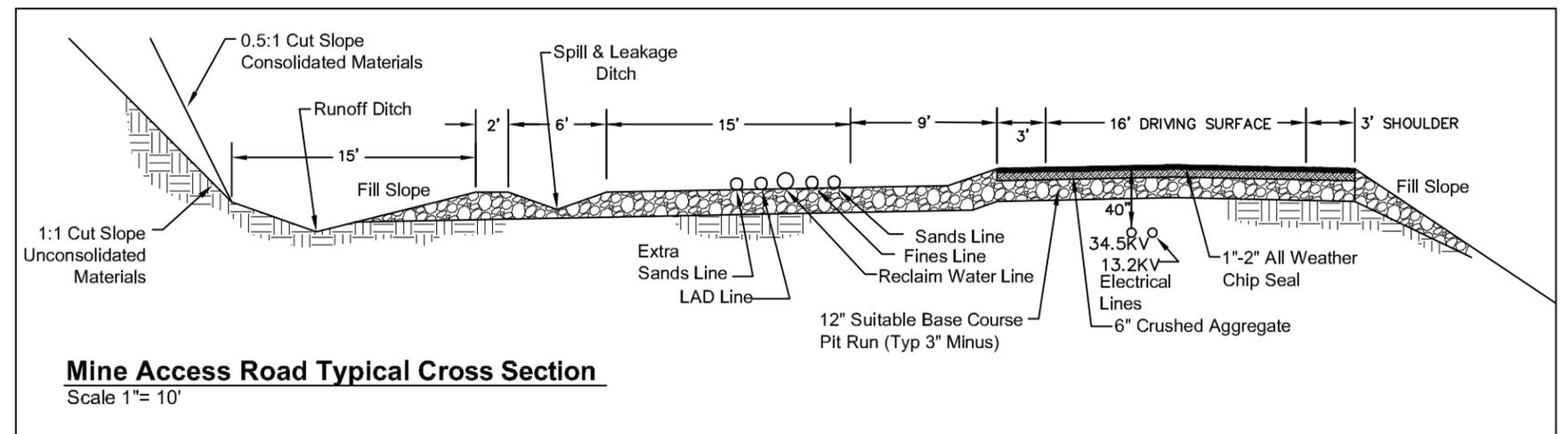
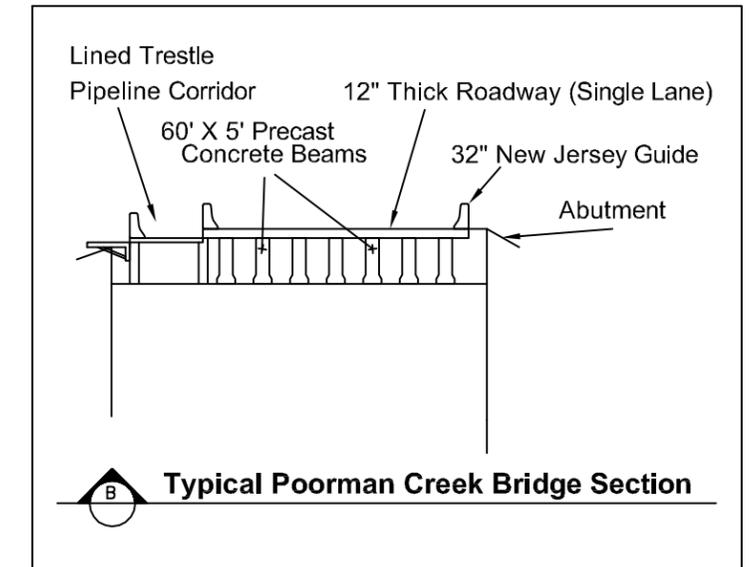
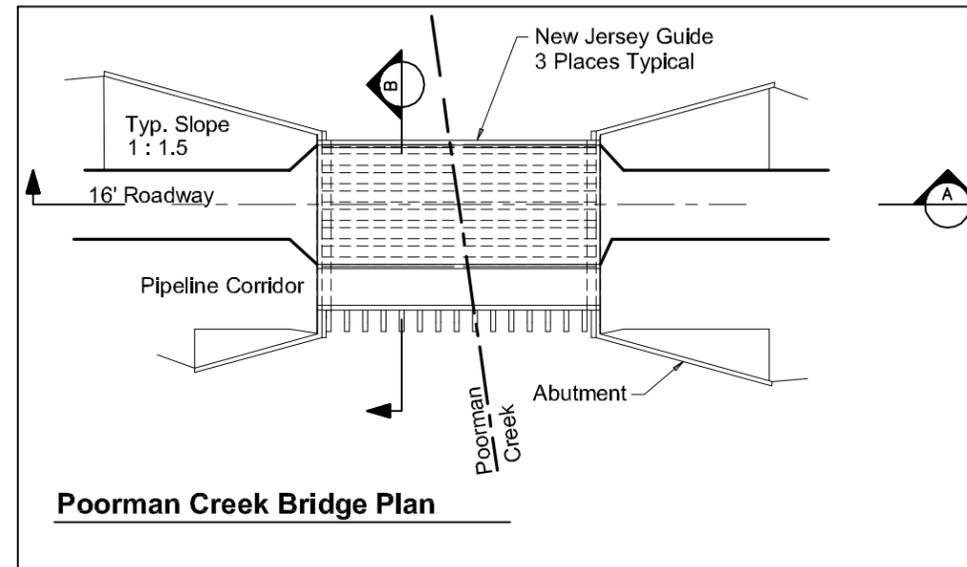
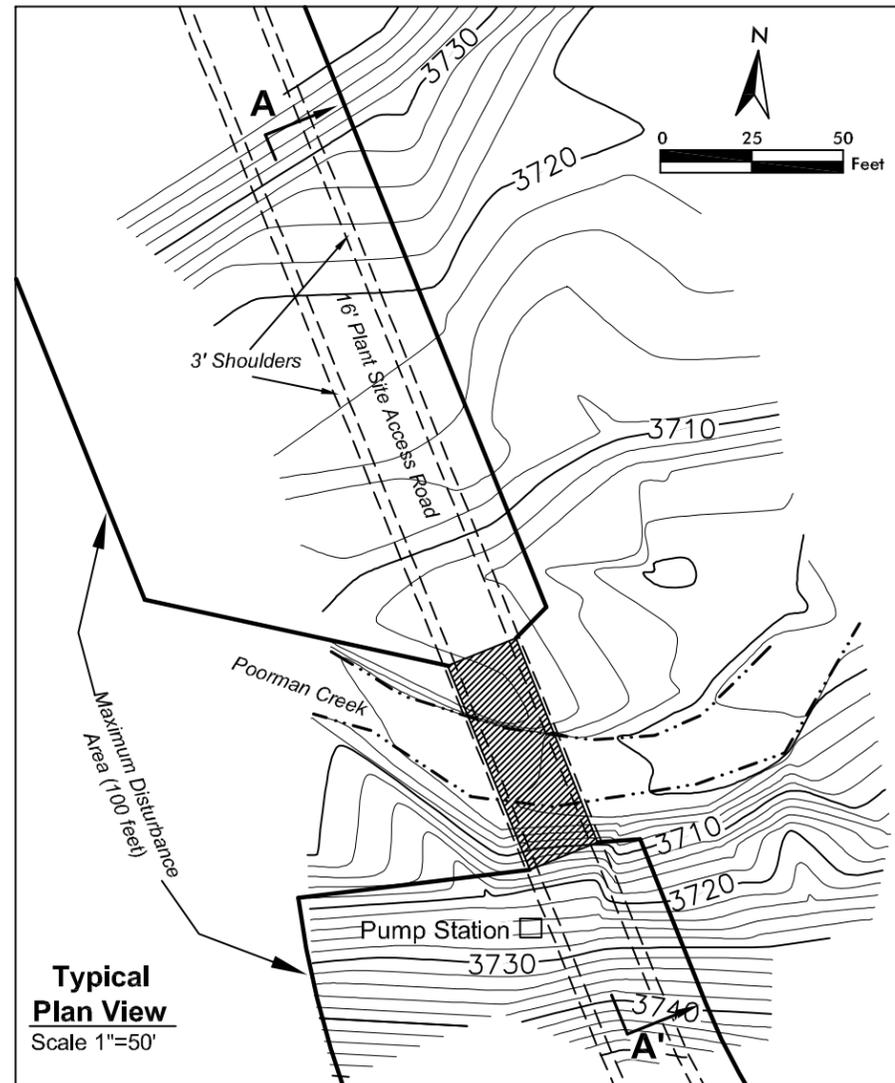
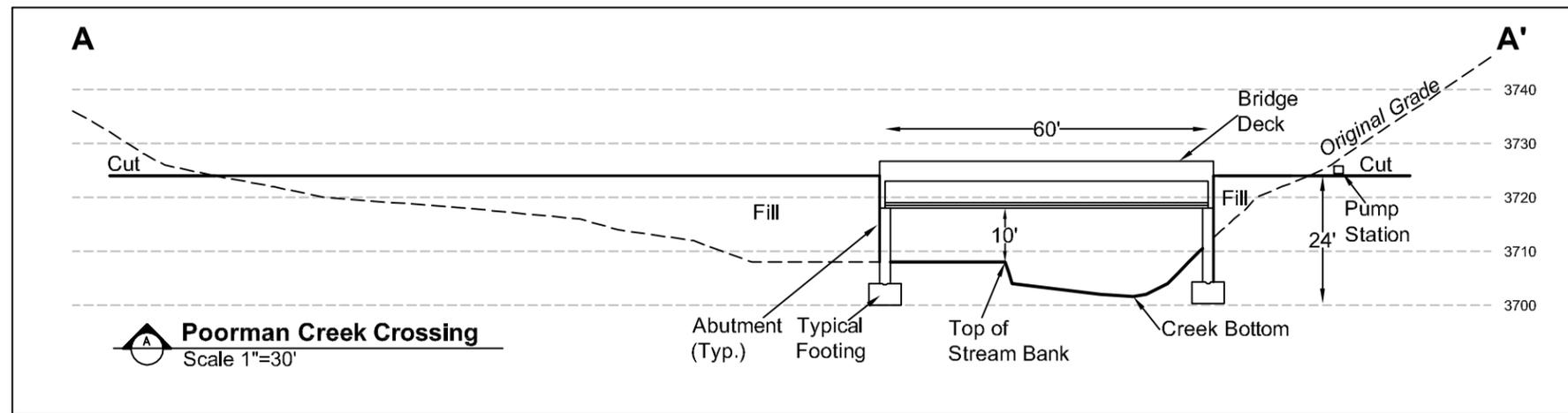


Figure 13. Details of Tailings Pipelines, Utility, and Access Road Corridor, Alternative 2

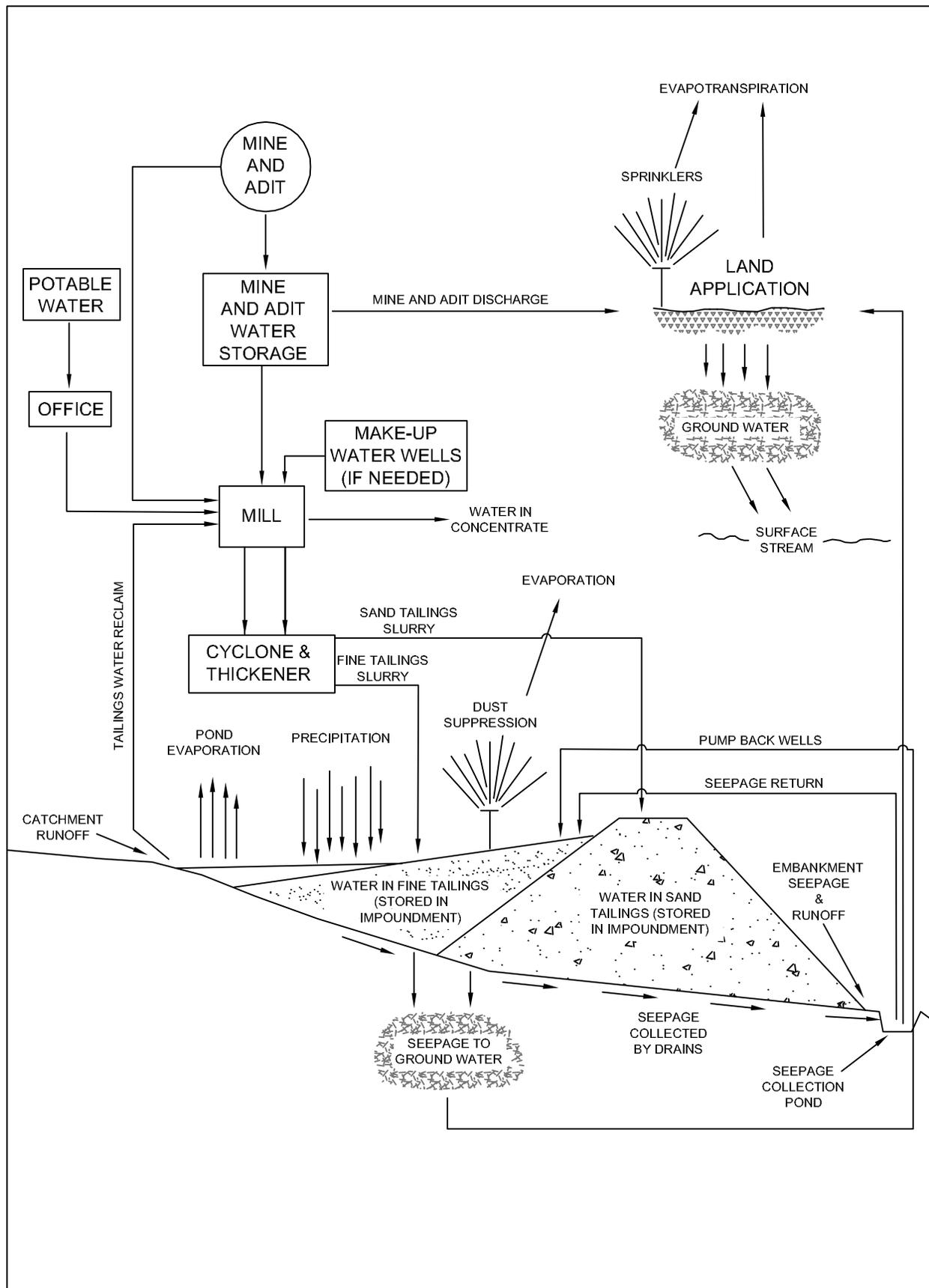


Figure 14. Proposed Water Management, Alternative 2

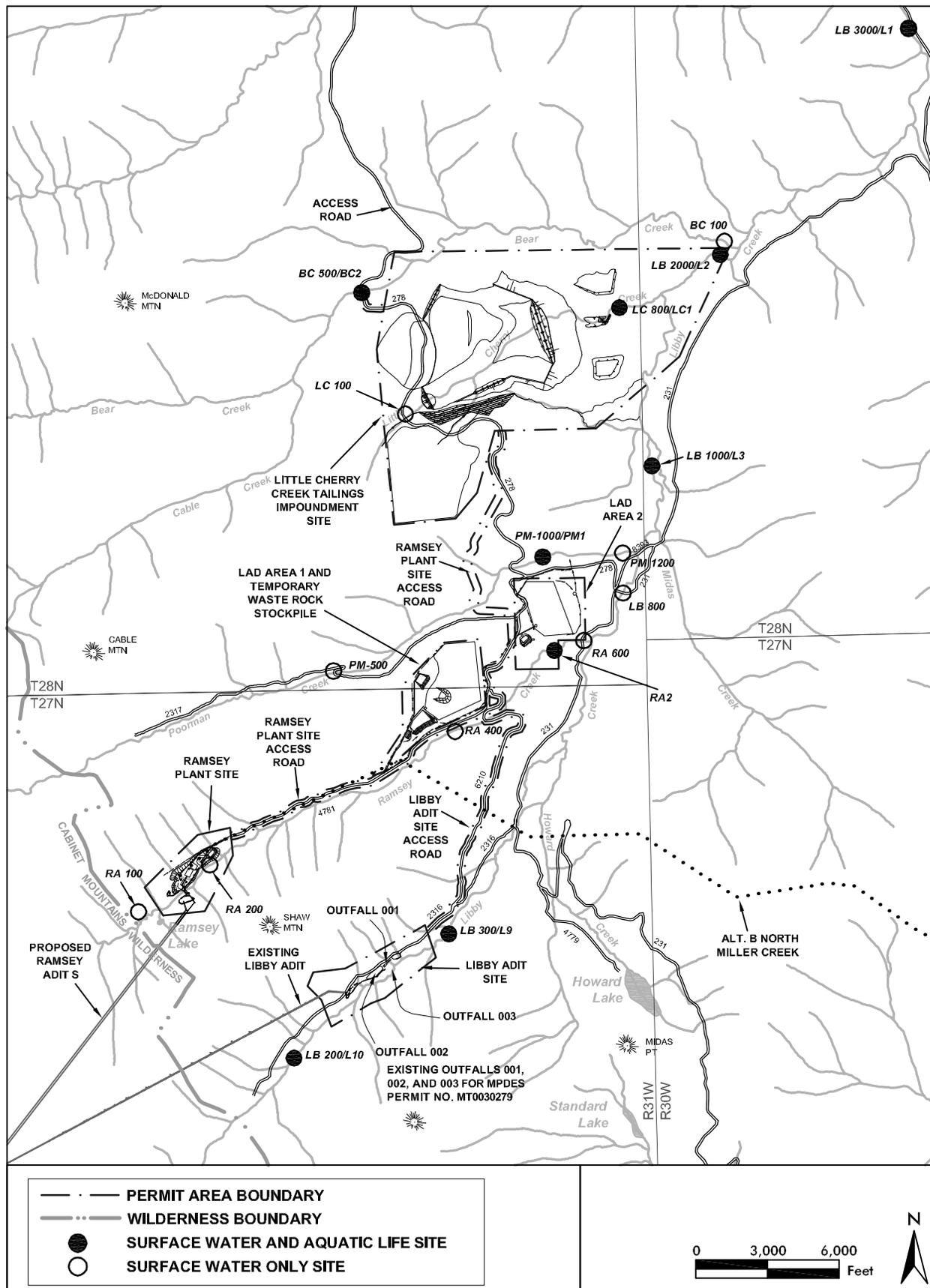


Figure 15. Existing Outfalls and Surface Water Monitoring Locations, Alternative 2

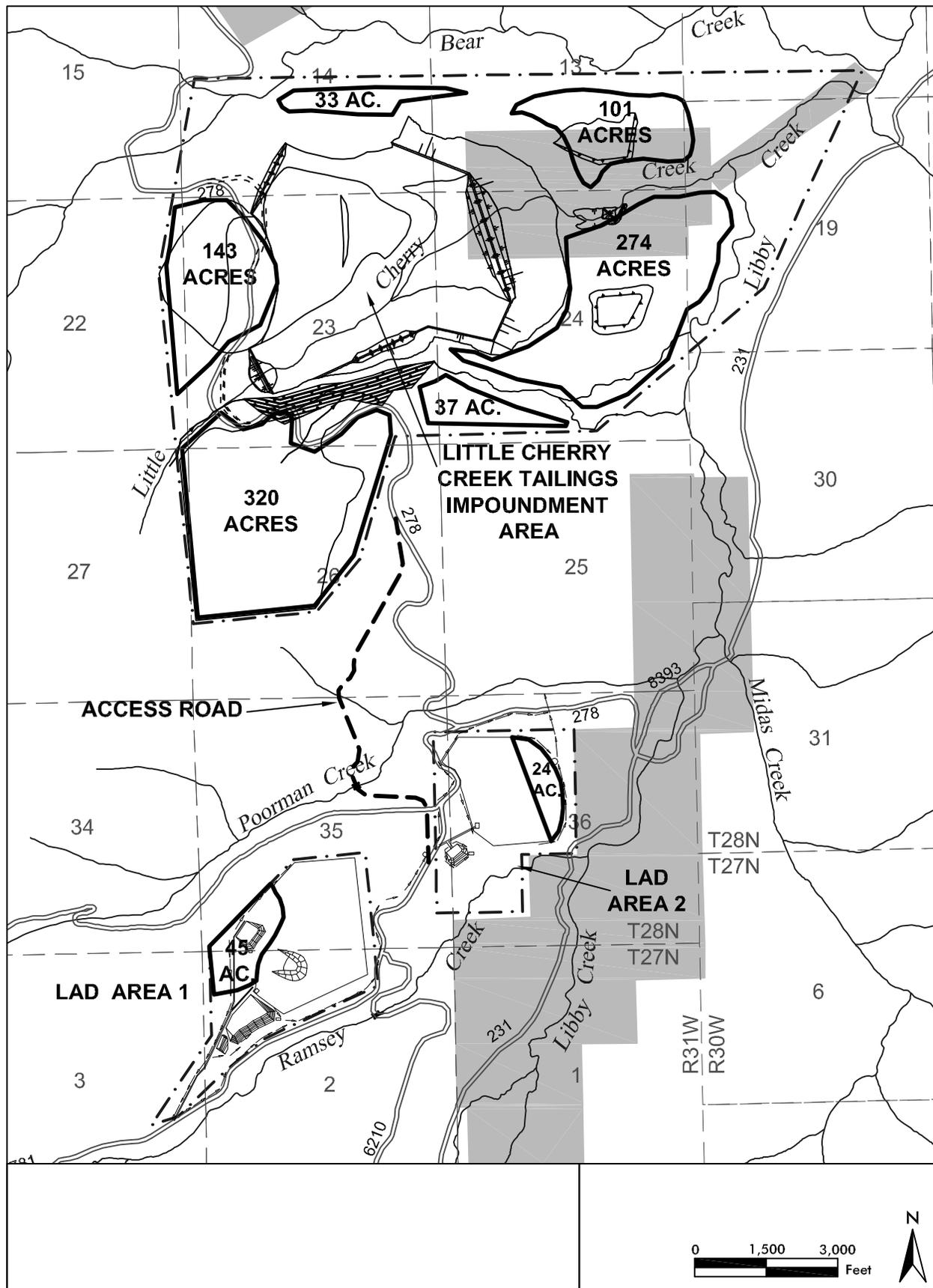


Figure 16. Supplemental LAD Areas, Alternative 2

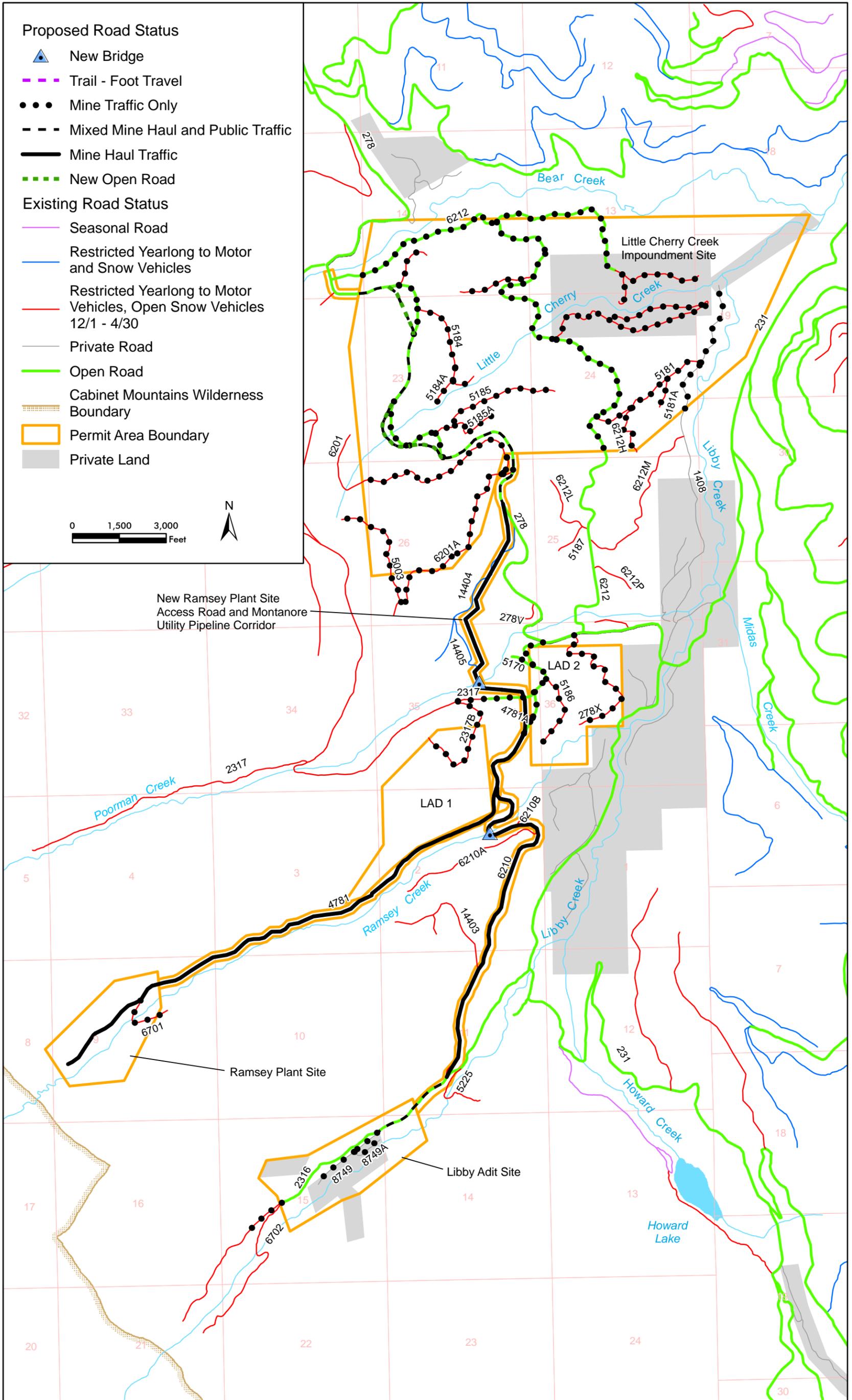


Figure 17. Roads Proposed for Use in Alternative 2

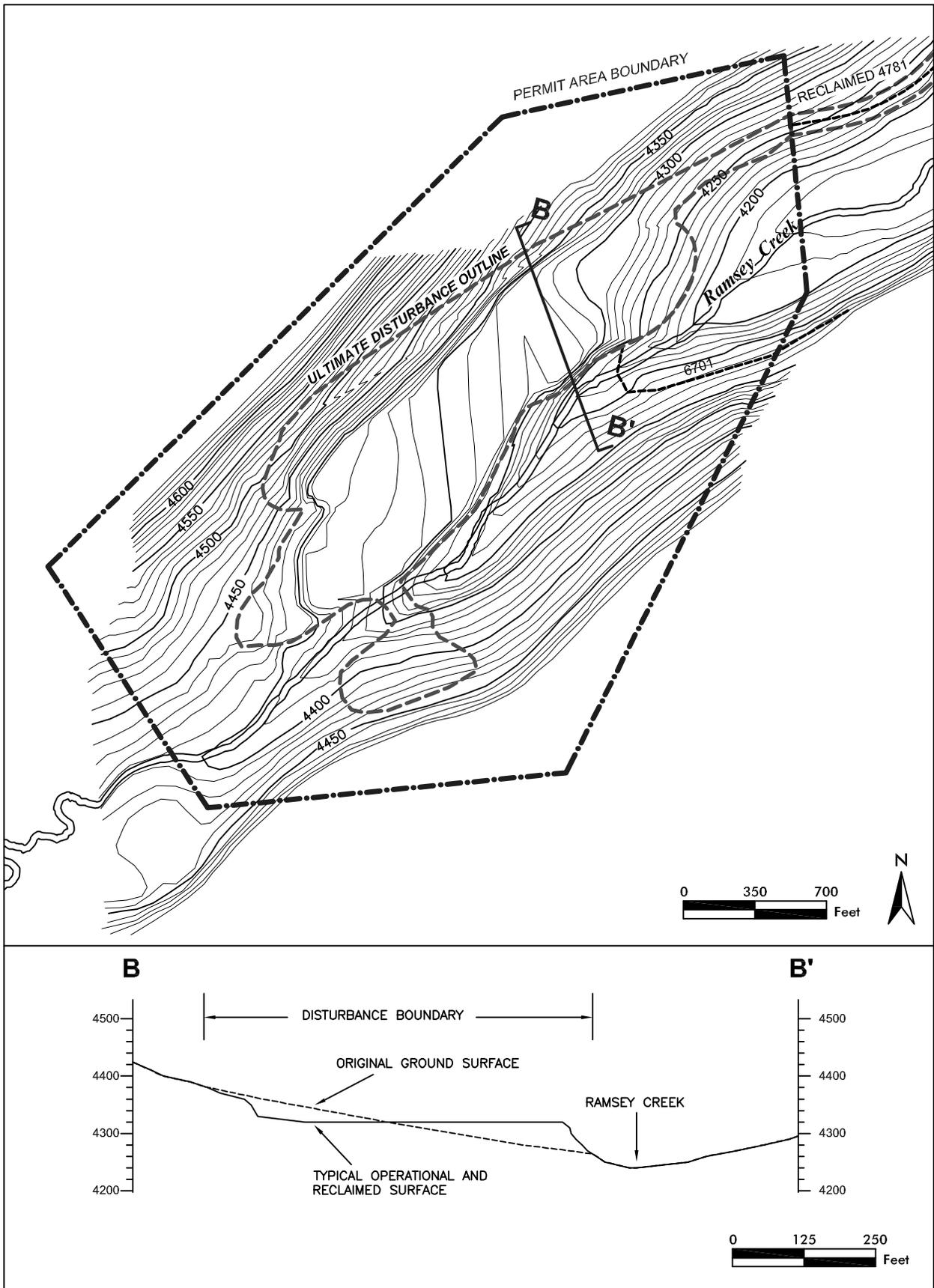


Figure 18. Post-mining Topography, Ramsey Plant Site, Alternative 2

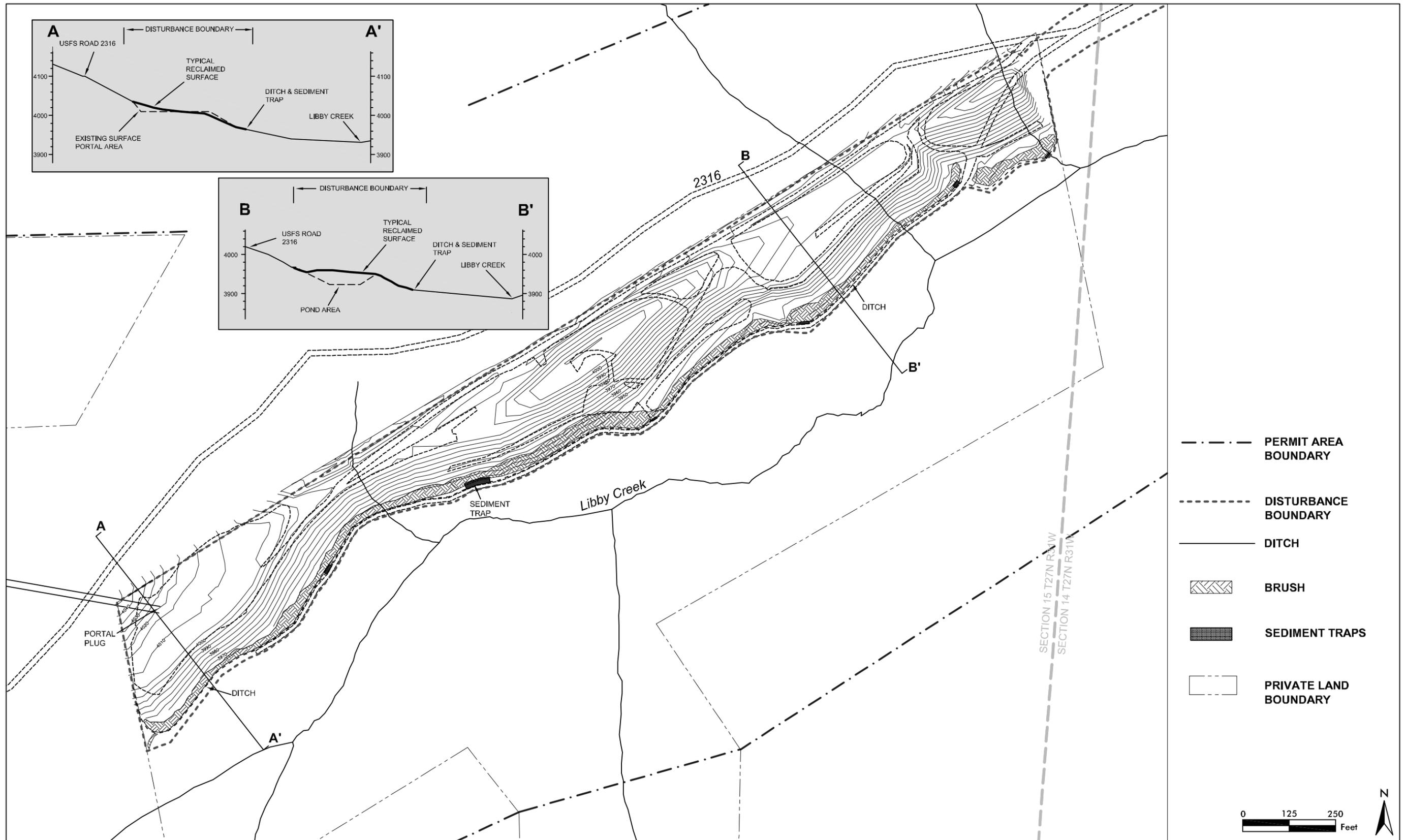


Figure 19. Post-mining Topography, Libby Adit Site

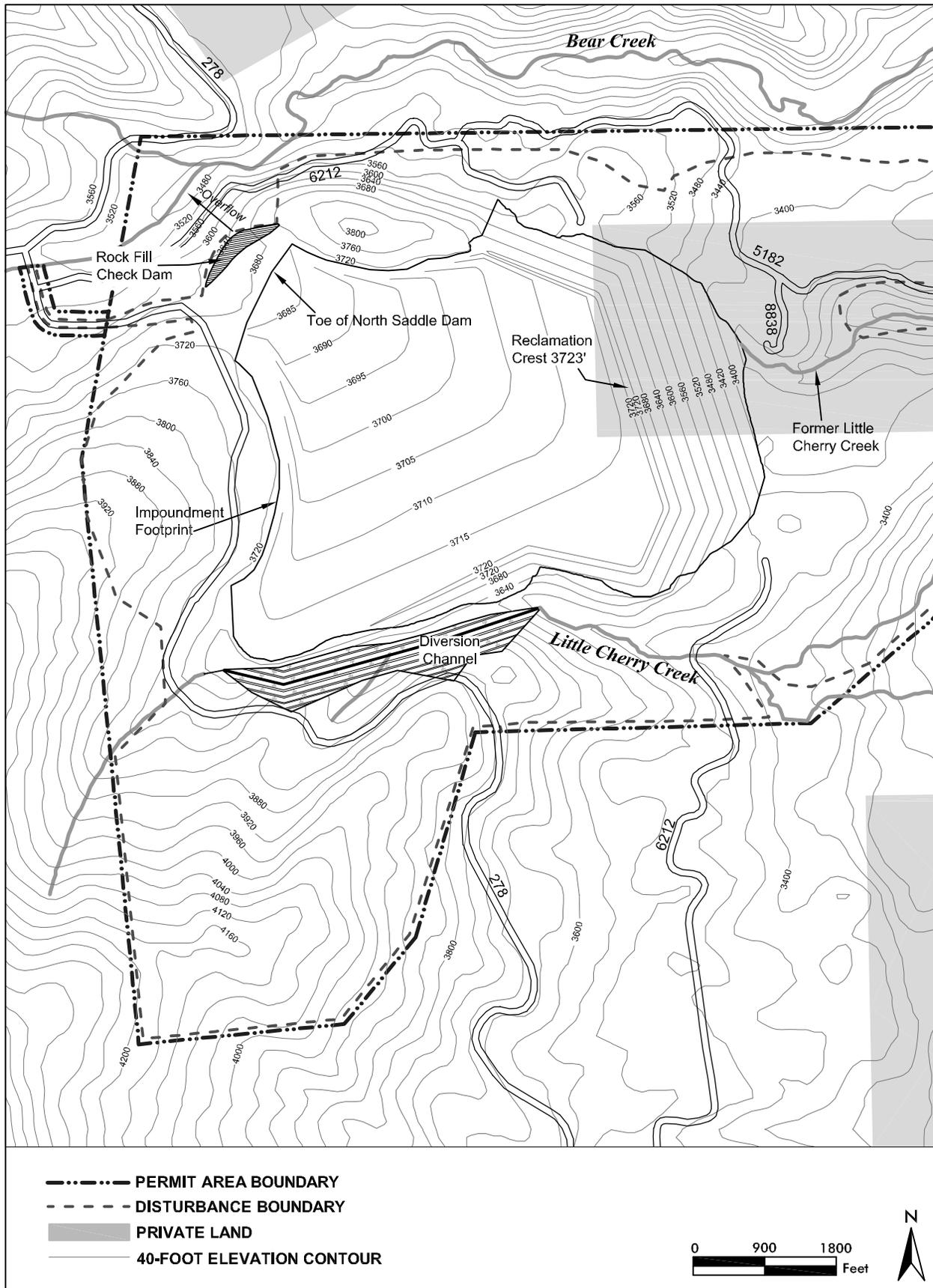


Figure 20. Post-mining Topography, Little Cherry Creek Tailings Impoundment Site, Alternative 2

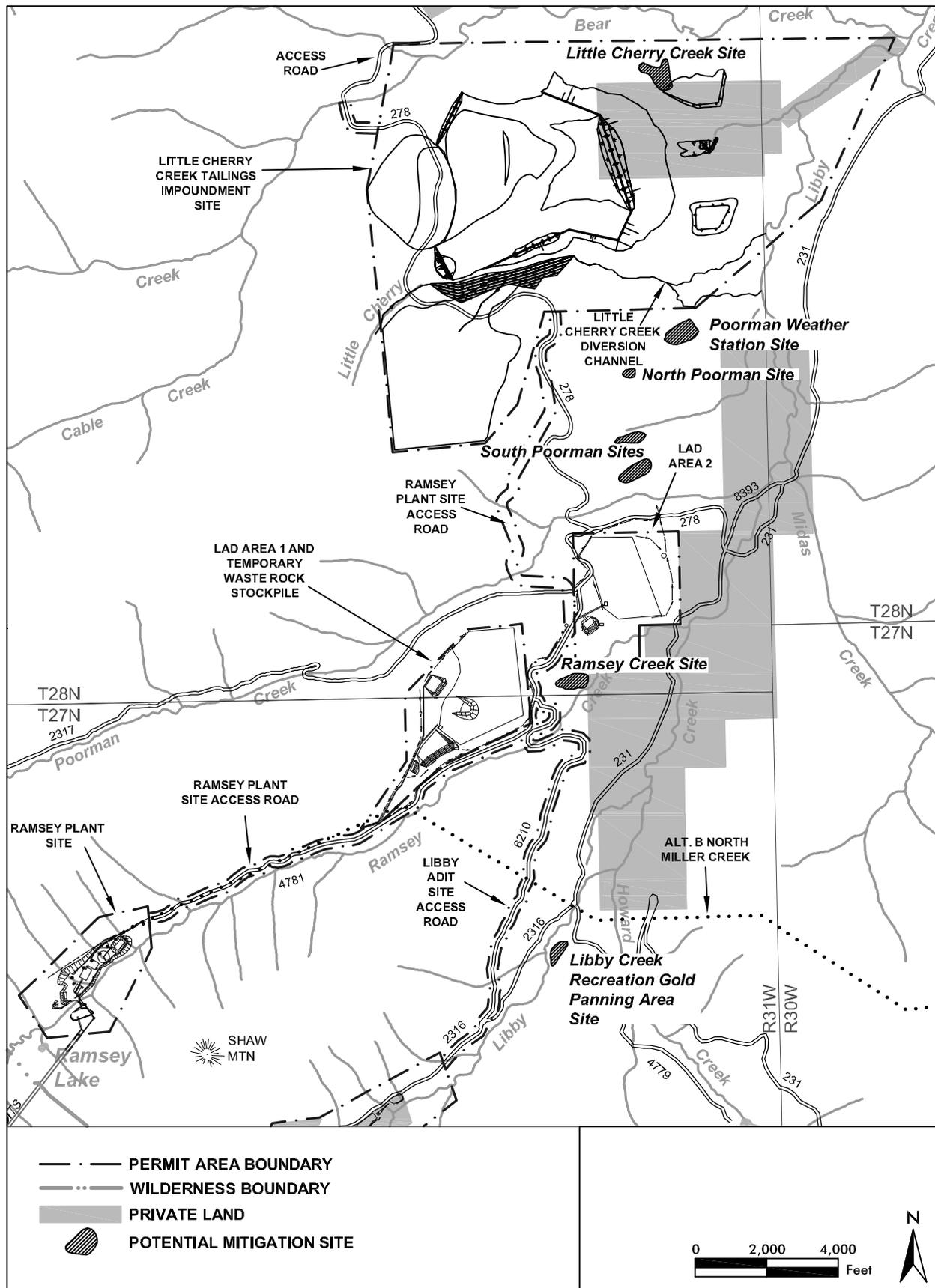


Figure 21. Potential Wetland Mitigation Sites, Alternative 2

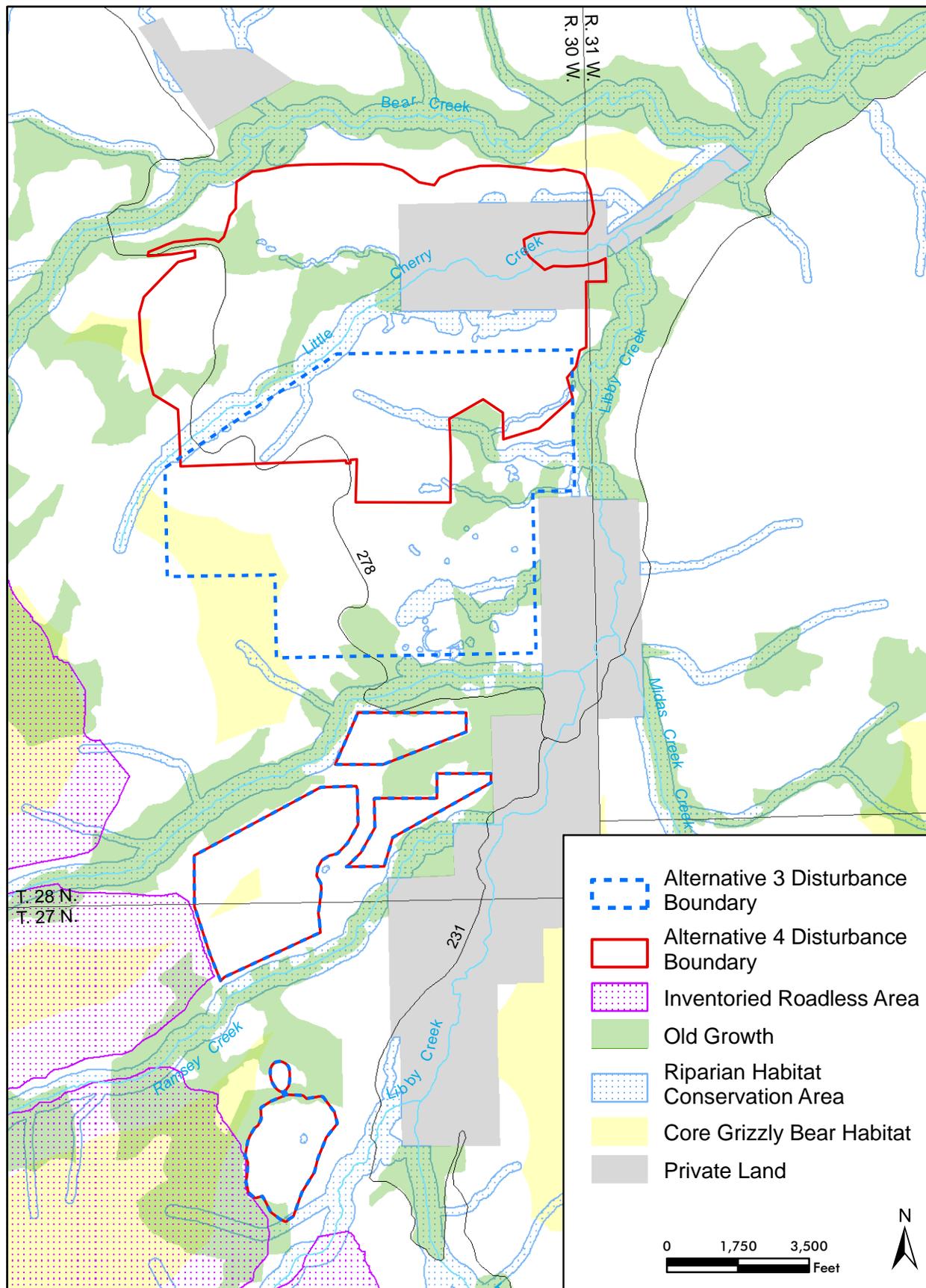


Figure 22. Key Resources Avoided by Alternatives 3 and 4

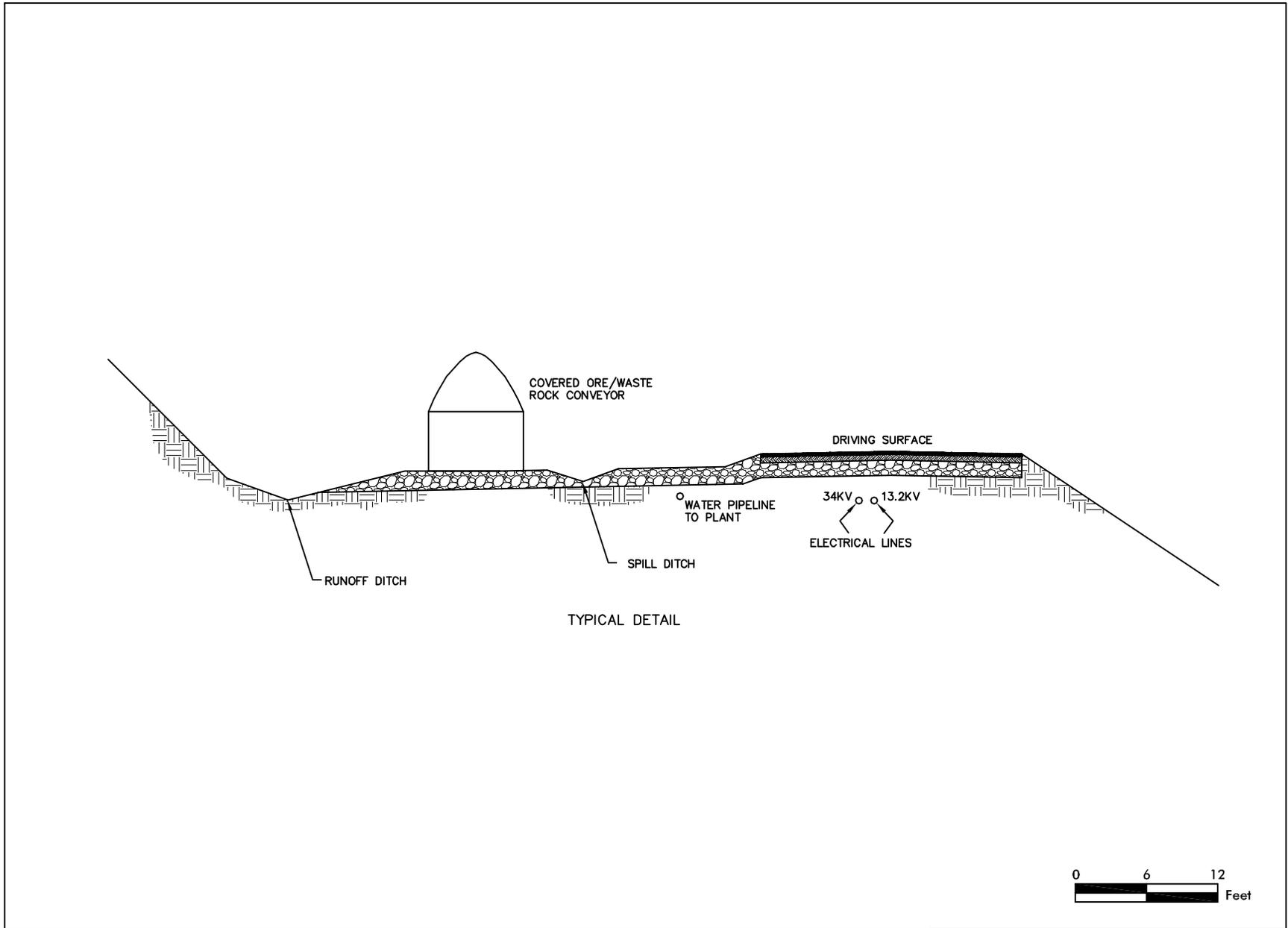


Figure 24. Detail of Overland Conveyor and Libby Adit Access Road, Alternatives 3 and 4

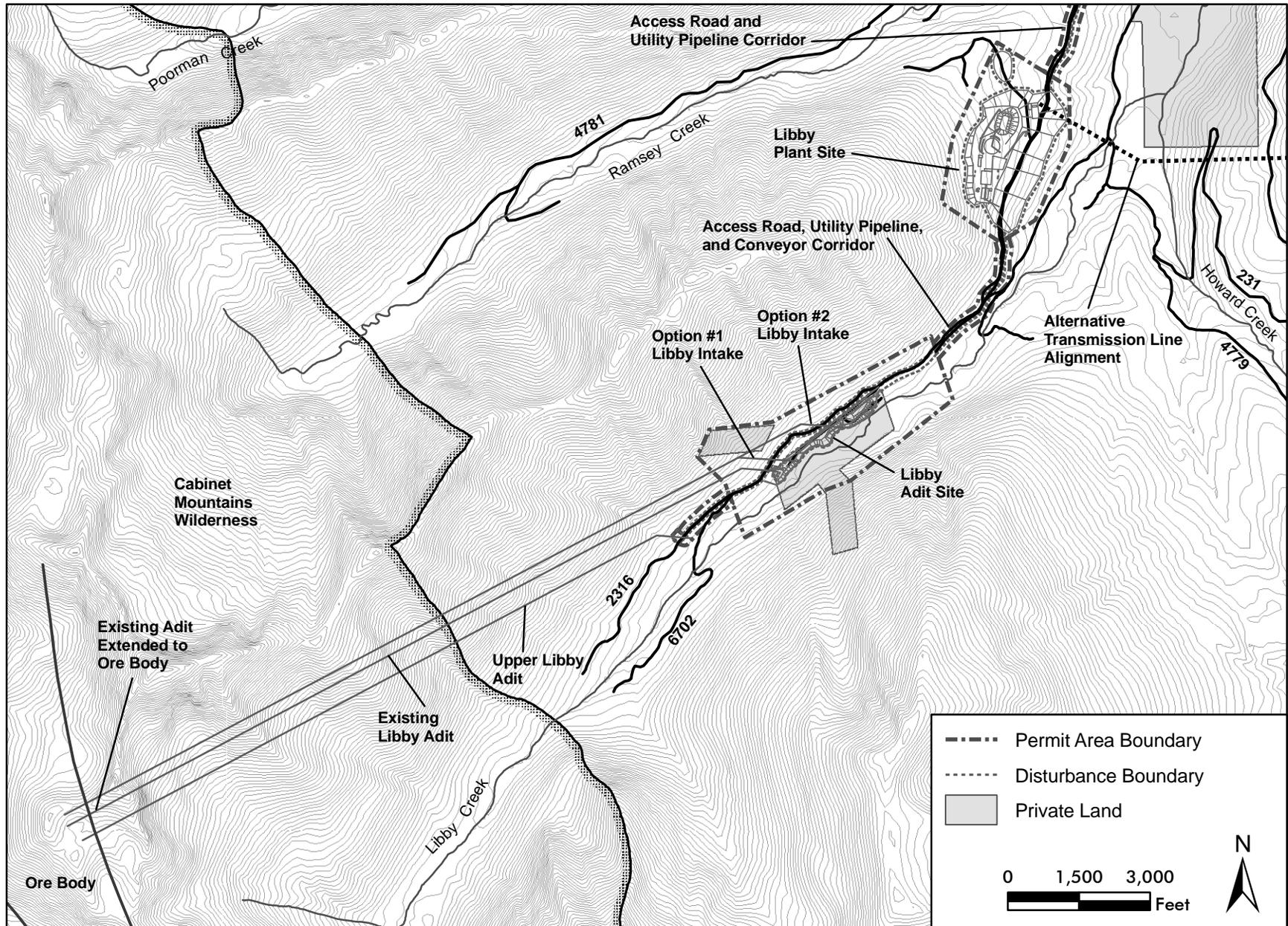


Figure 25. Libby Plant Site and Adits, Alternatives 3 and 4

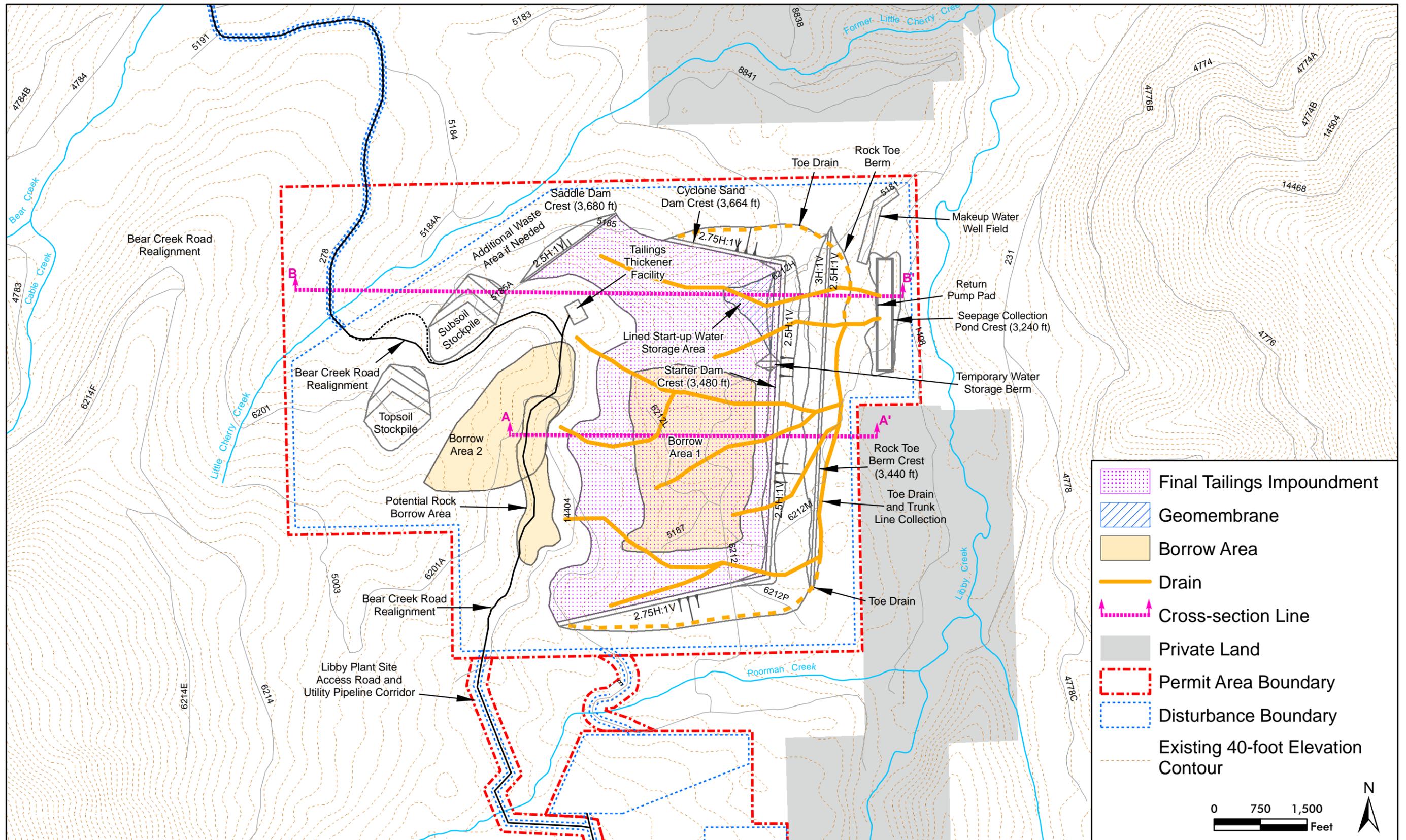


Figure 26. Poorman Tailings Impoundment Site, Alternative 3

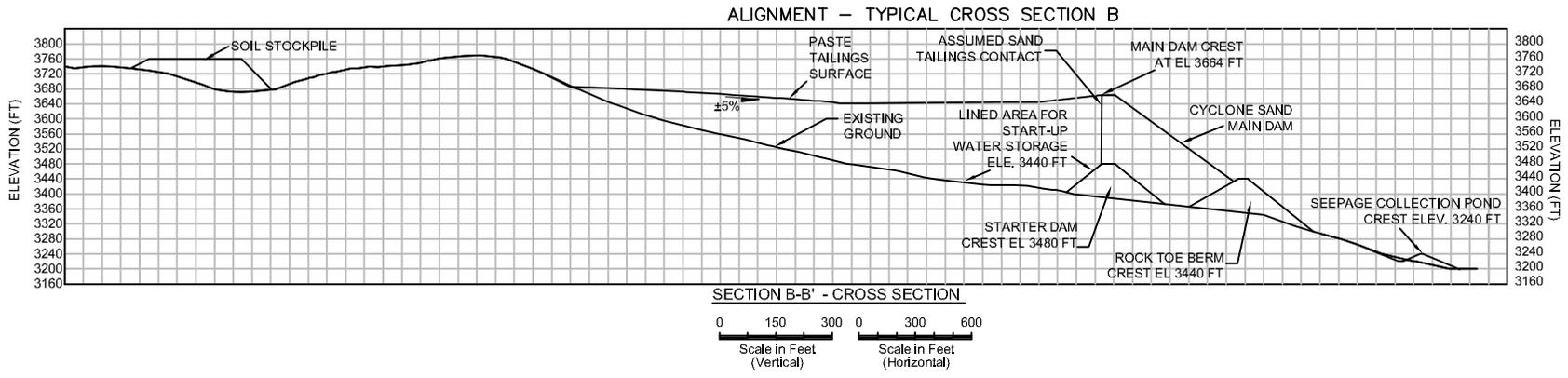
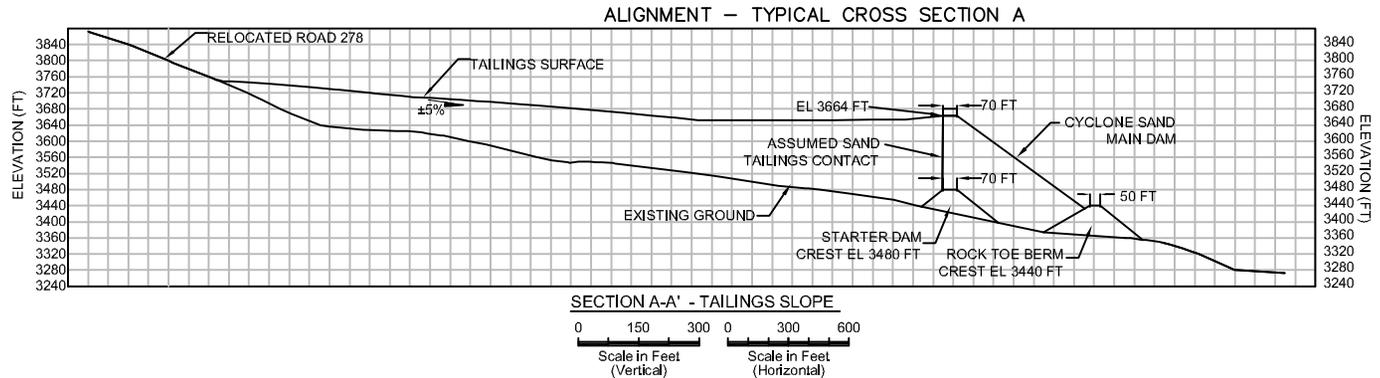


Figure 27. Poorman Tailings Impoundment Cross Sections

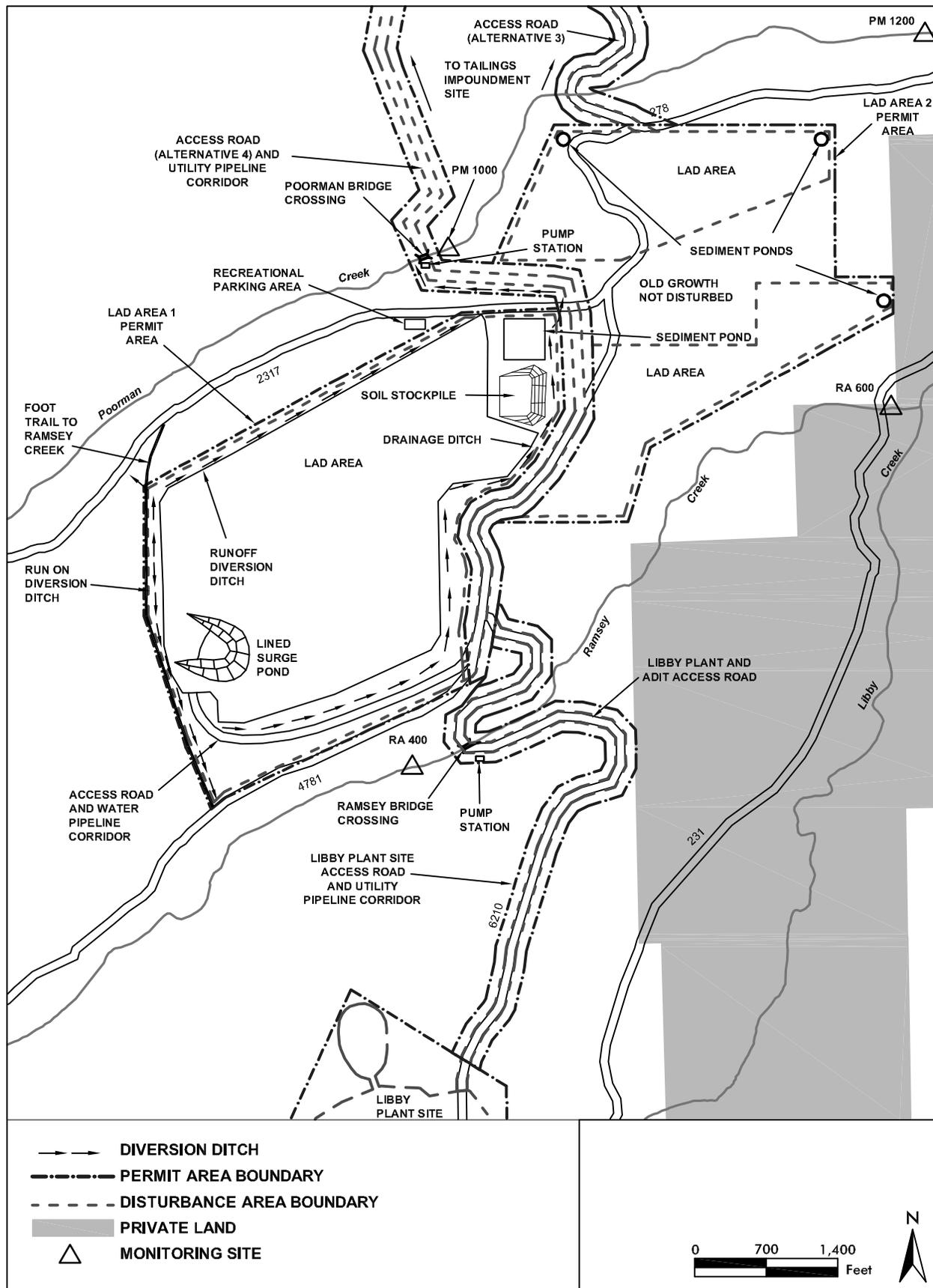


Figure 28. LAD Areas 1 and 2, Alternatives 3 and 4

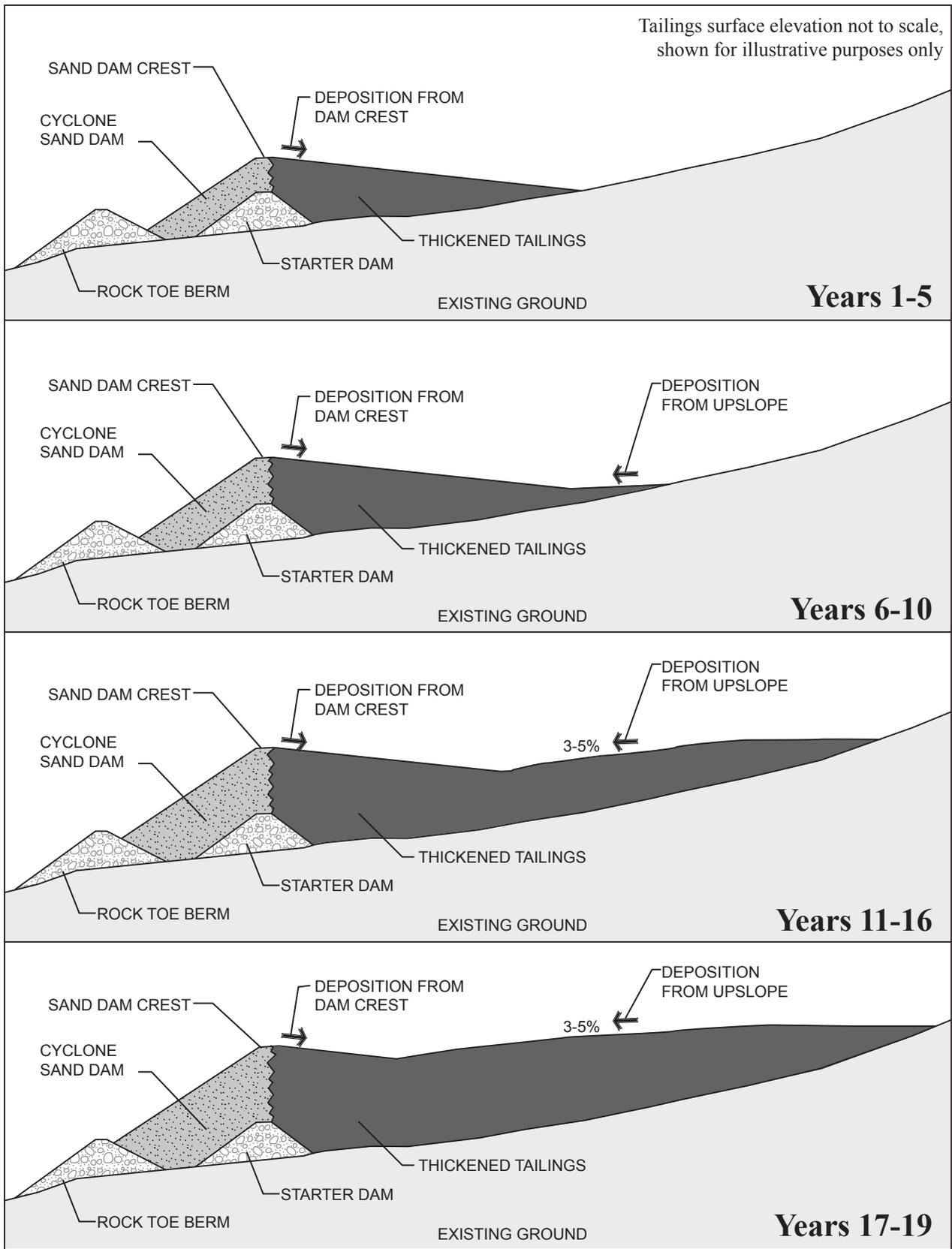


Figure 29. Tailings Deposition over Time, Alternative 3

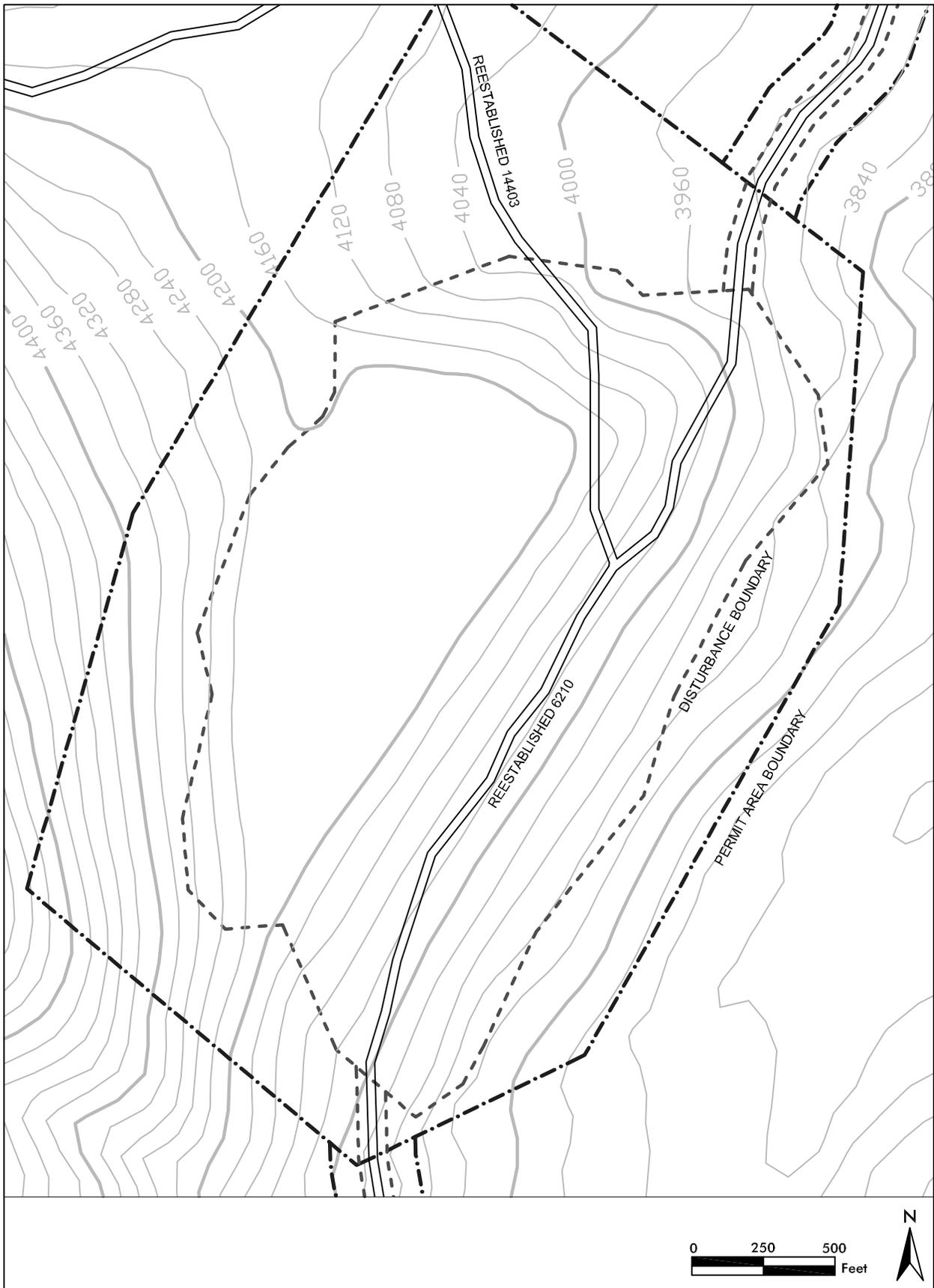


Figure 31. Post-mining Topography, Libby Plant Site, Alternatives 3 and 4

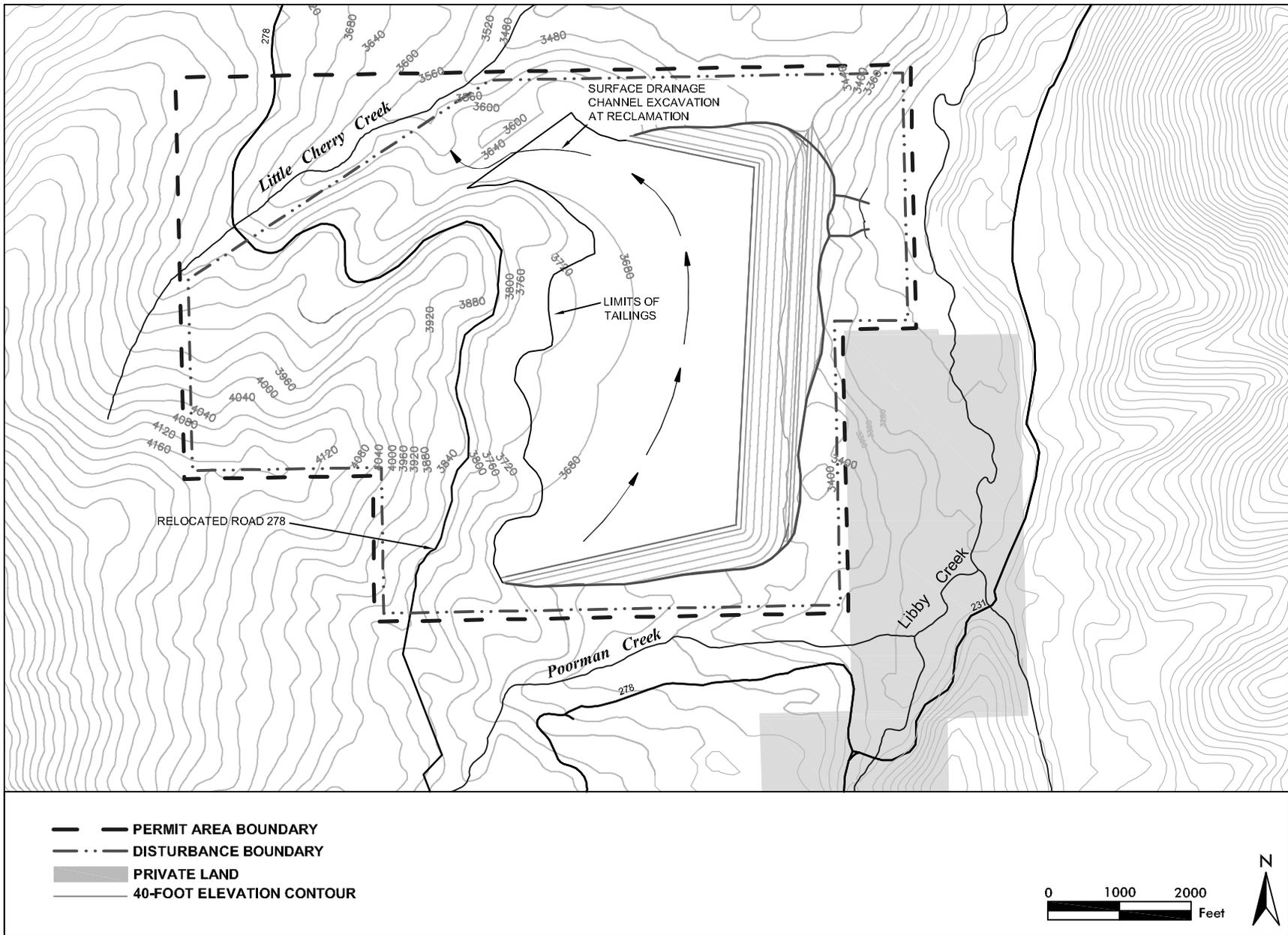


Figure 32. Post-mining Topography, Poorman Tailings Impoundment Site, Alternative 3

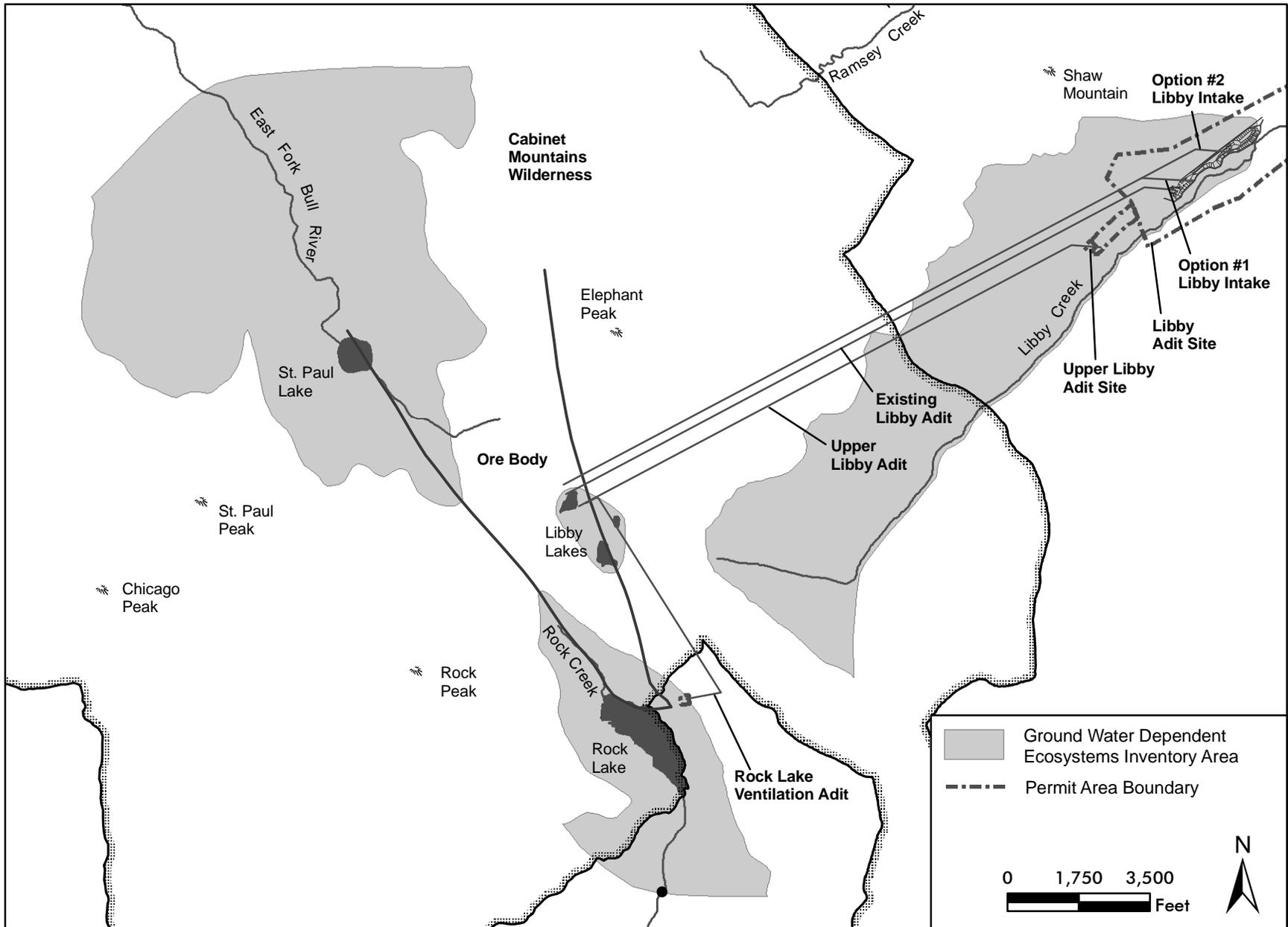


Figure 33. Ground Water Dependent Ecosystems Inventory Areas, Alternatives 3 and 4

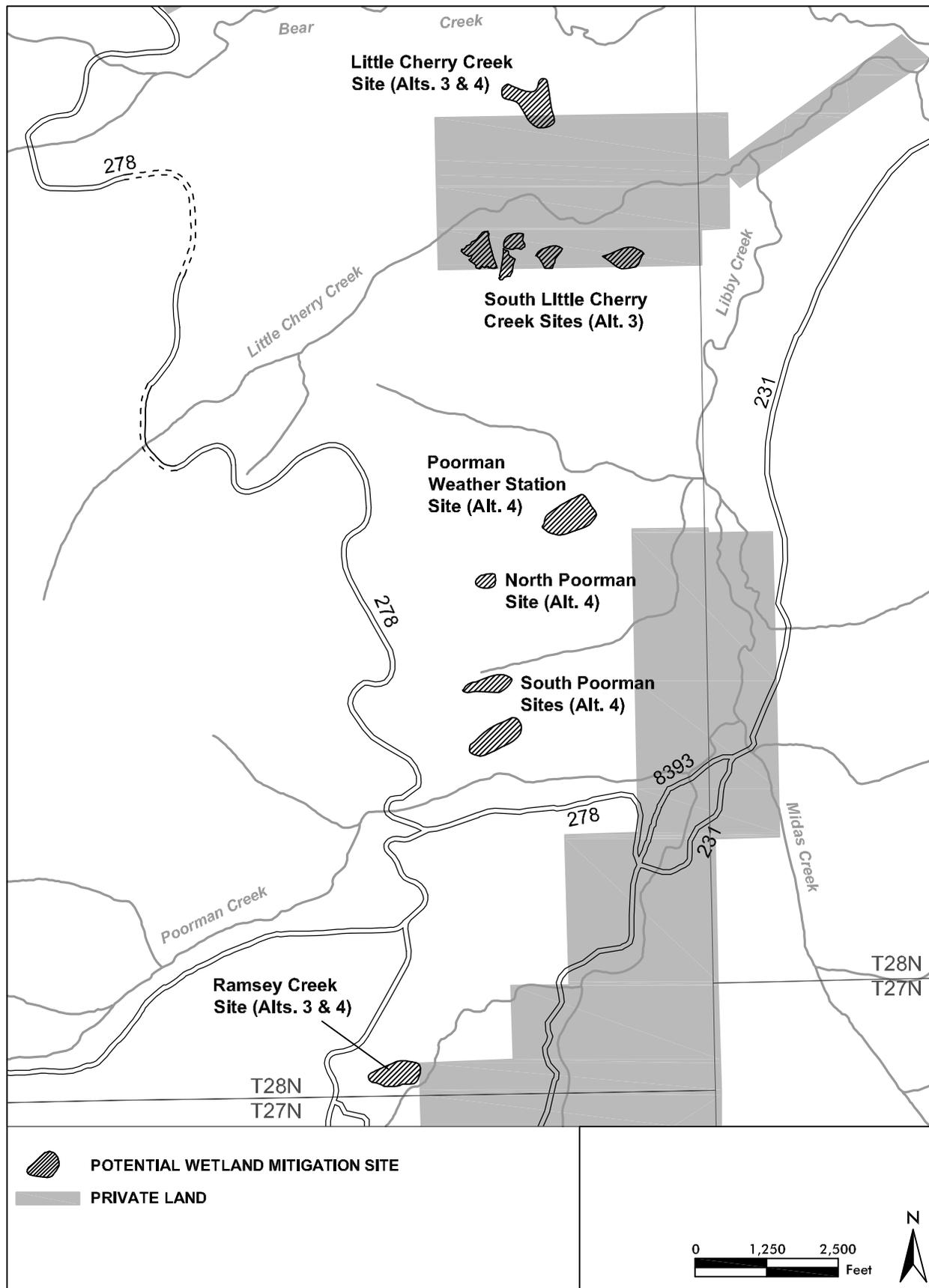


Figure 34. Potential Wetland Mitigation Sites, Alternatives 3 and 4

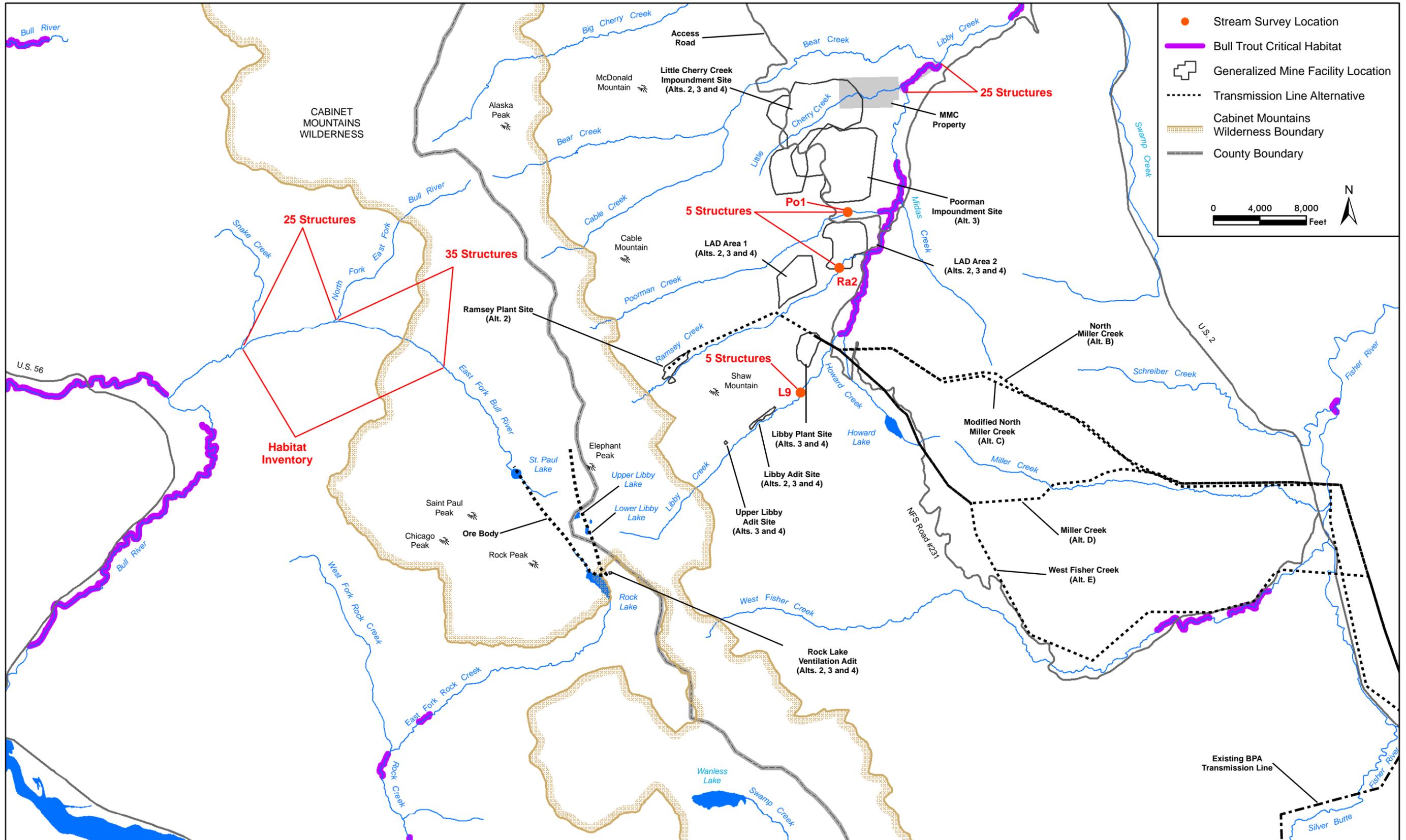


Figure 35. Proposed Fisheries Mitigation, Alternatives 3 and 4

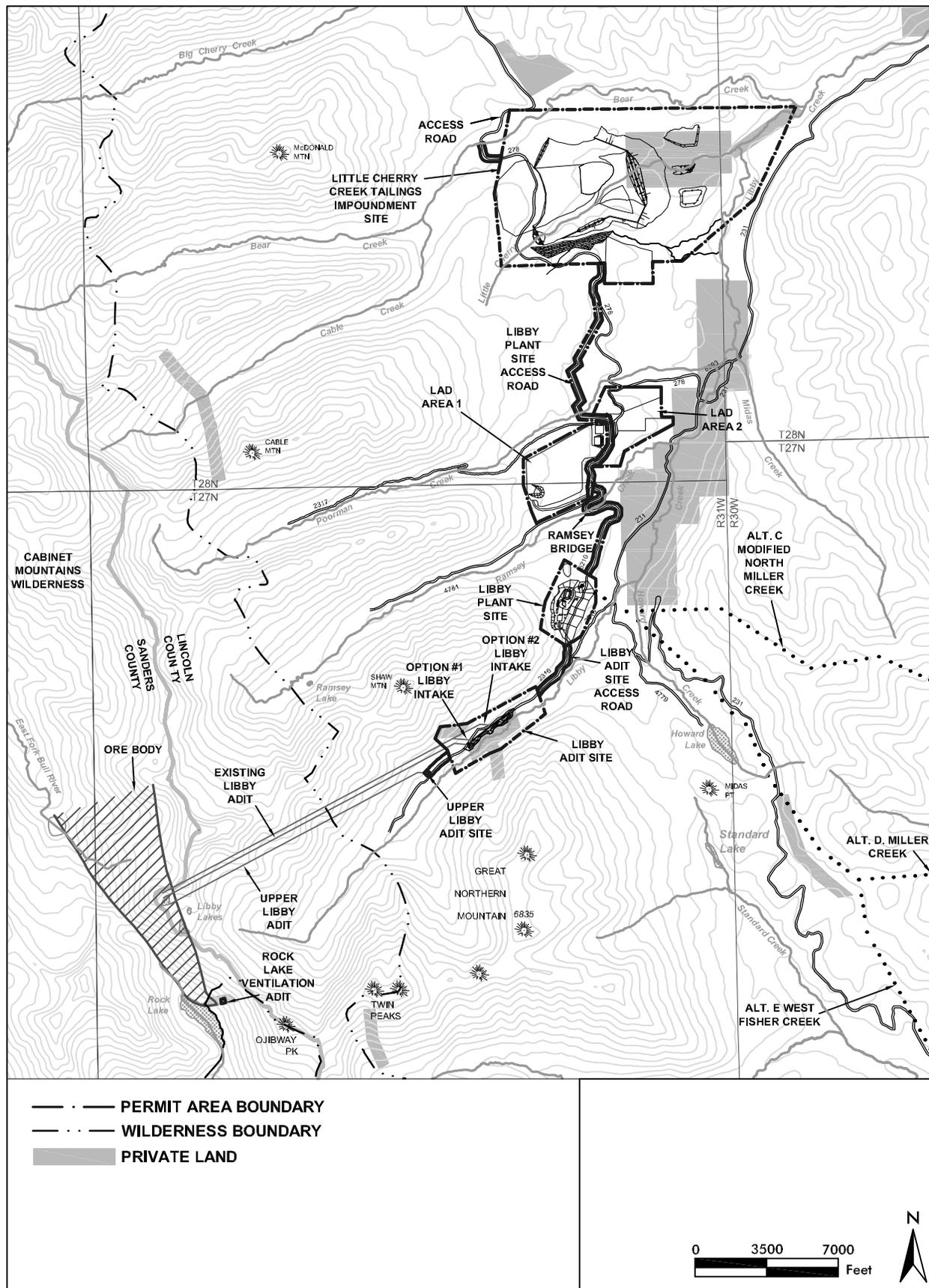


Figure 37. Mine Facilities and Permit Areas, Alternative 4

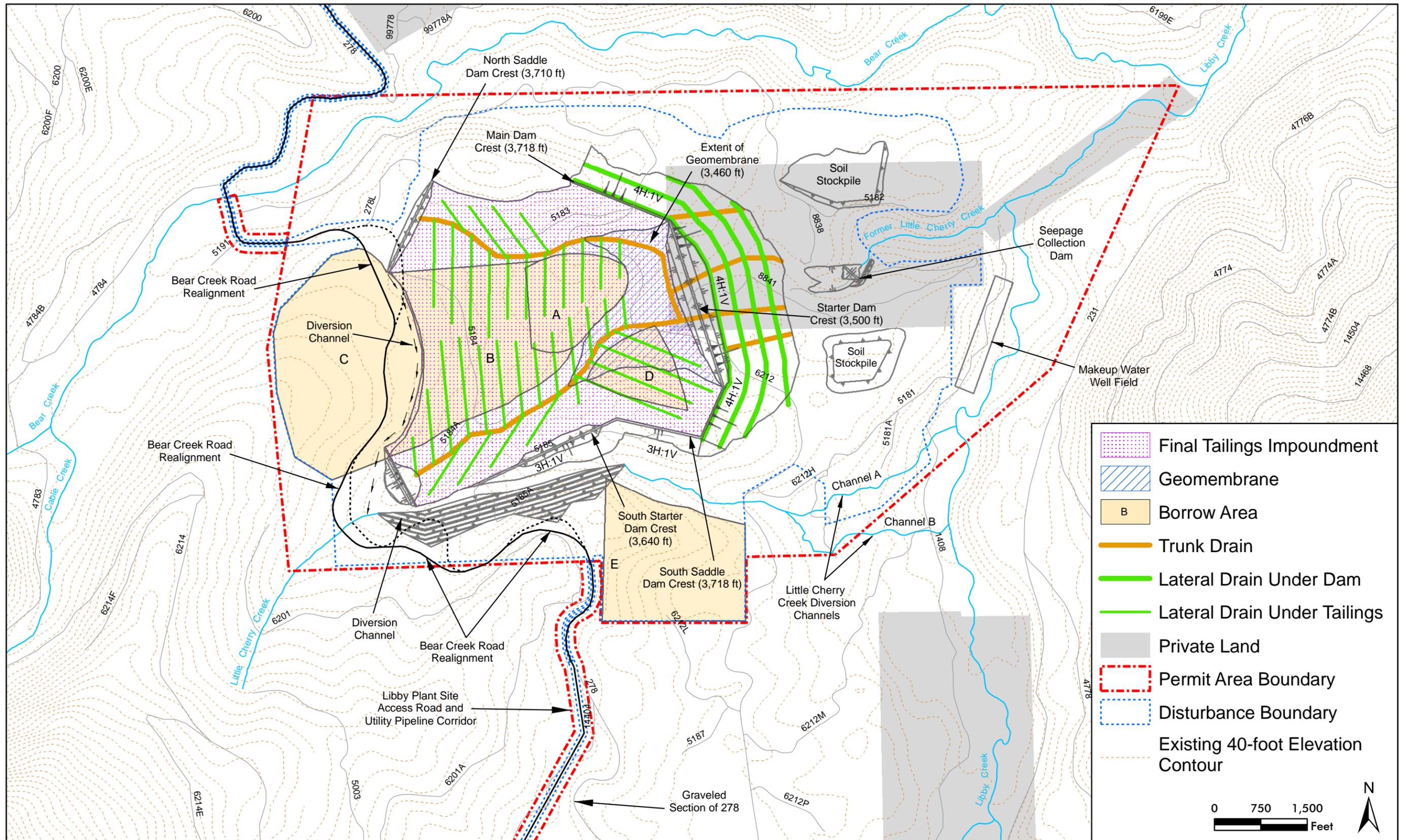


Figure 38. Little Cherry Creek Tailings Impoundment Site, Alternative 4

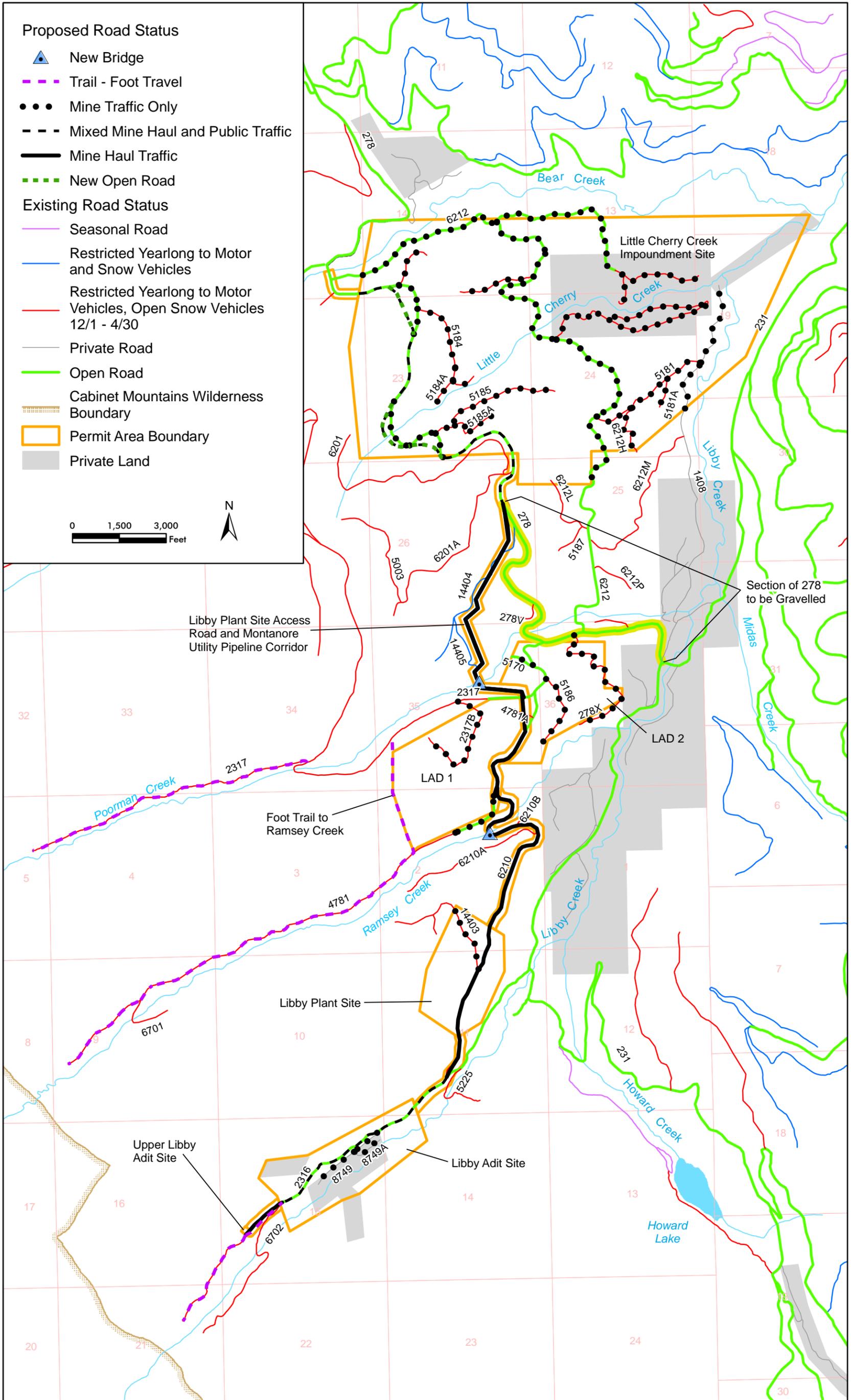


Figure 39. Roads Proposed for Use in Alternative 4

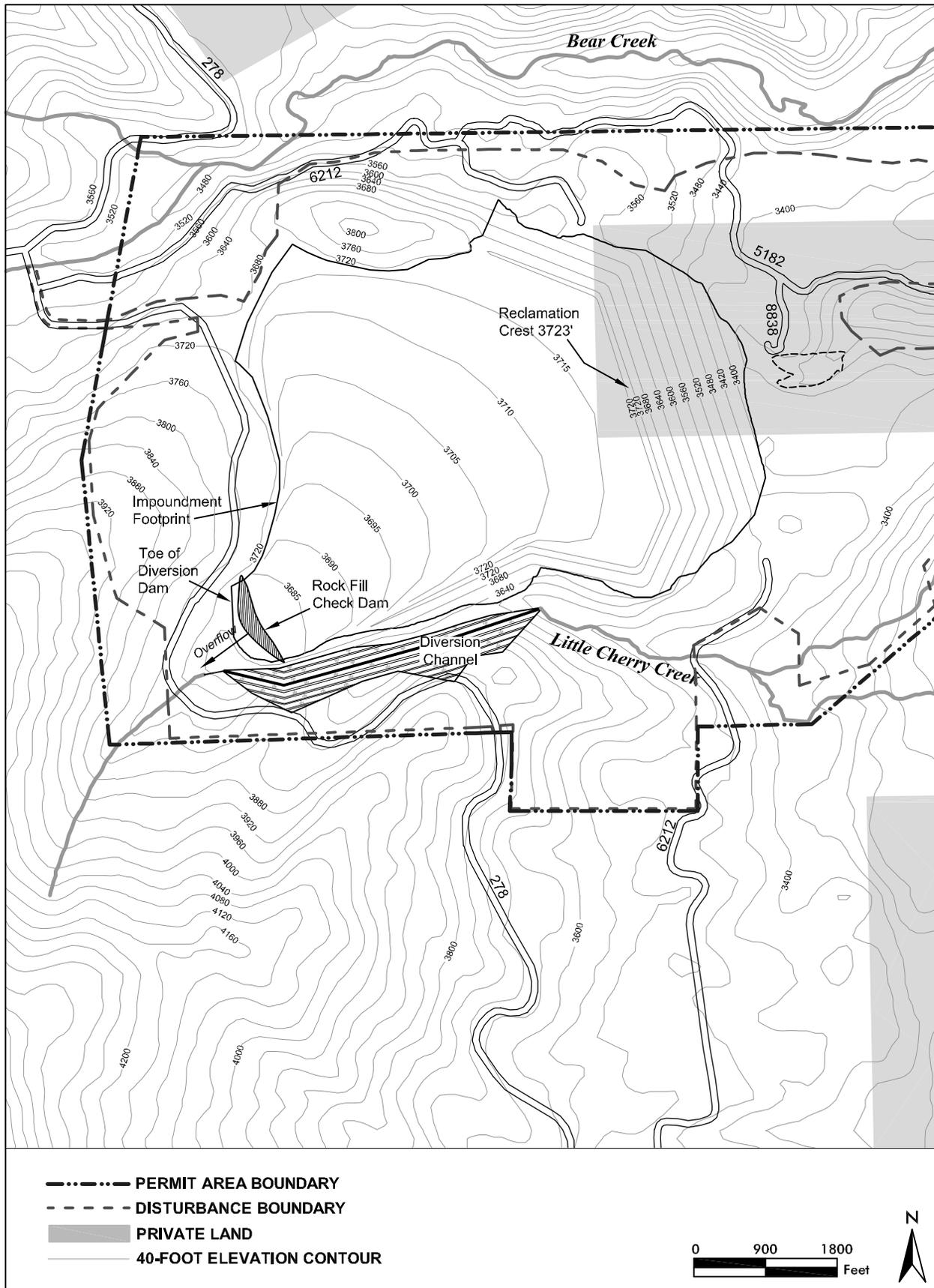


Figure 40. Post-mining Topography, Little Cherry Creek Tailings Impoundment Site, Alternative 4

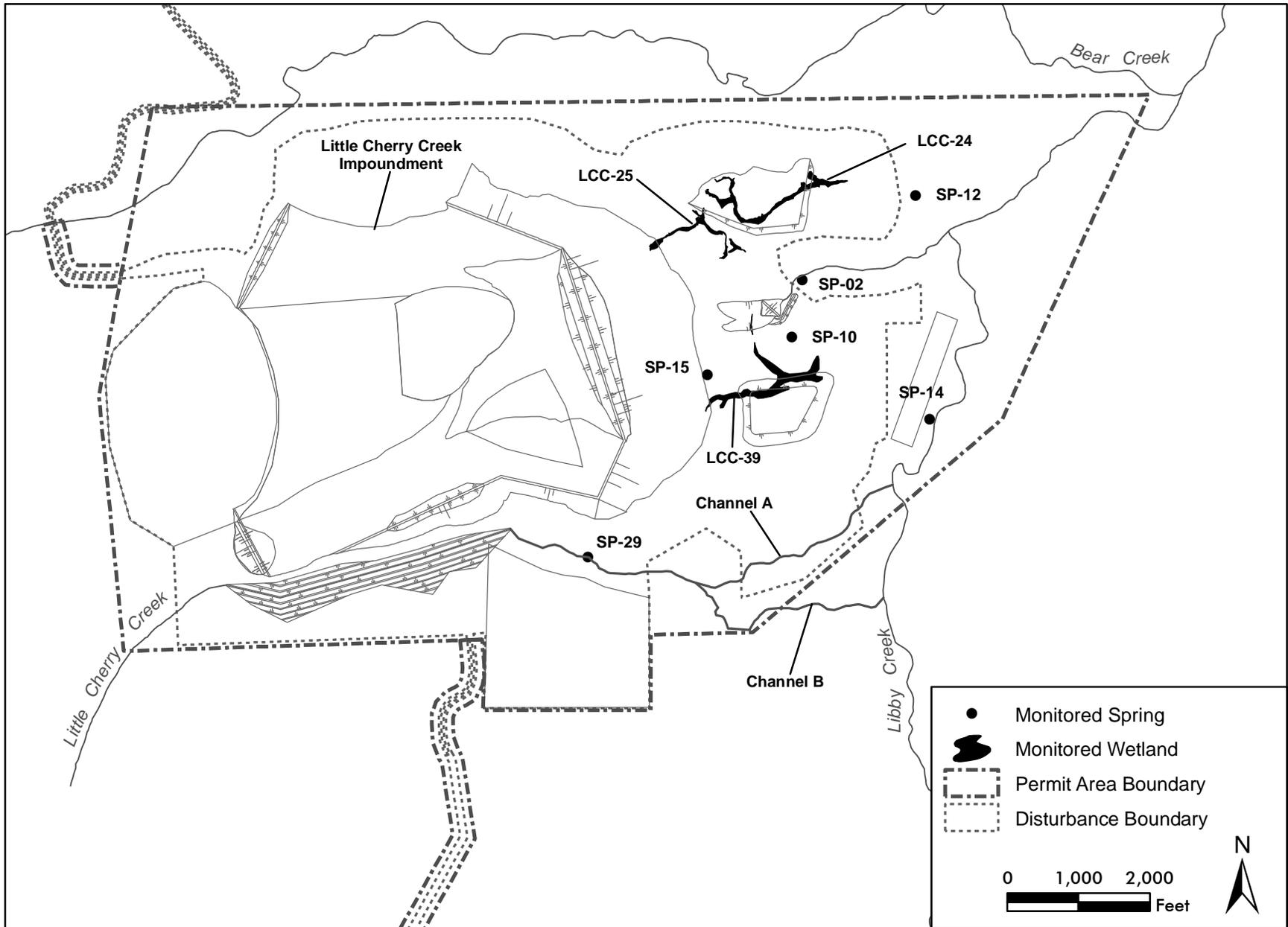


Figure 41. Spring and Wetland Monitoring Locations in the Impoundment Area, Alternative 4

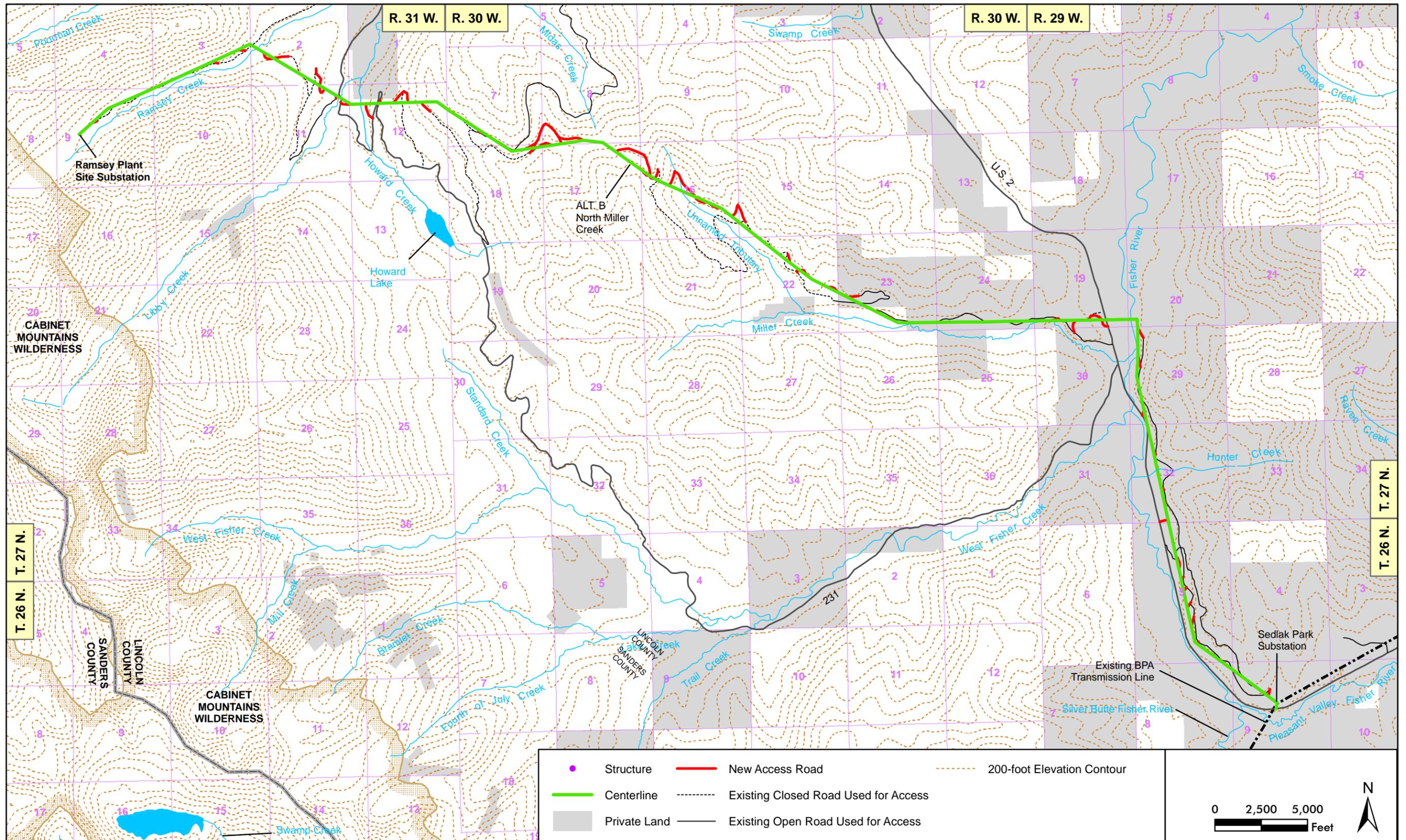


Figure 42. North Miller Creek Alignment, Structures, and Access Roads, Alternative B

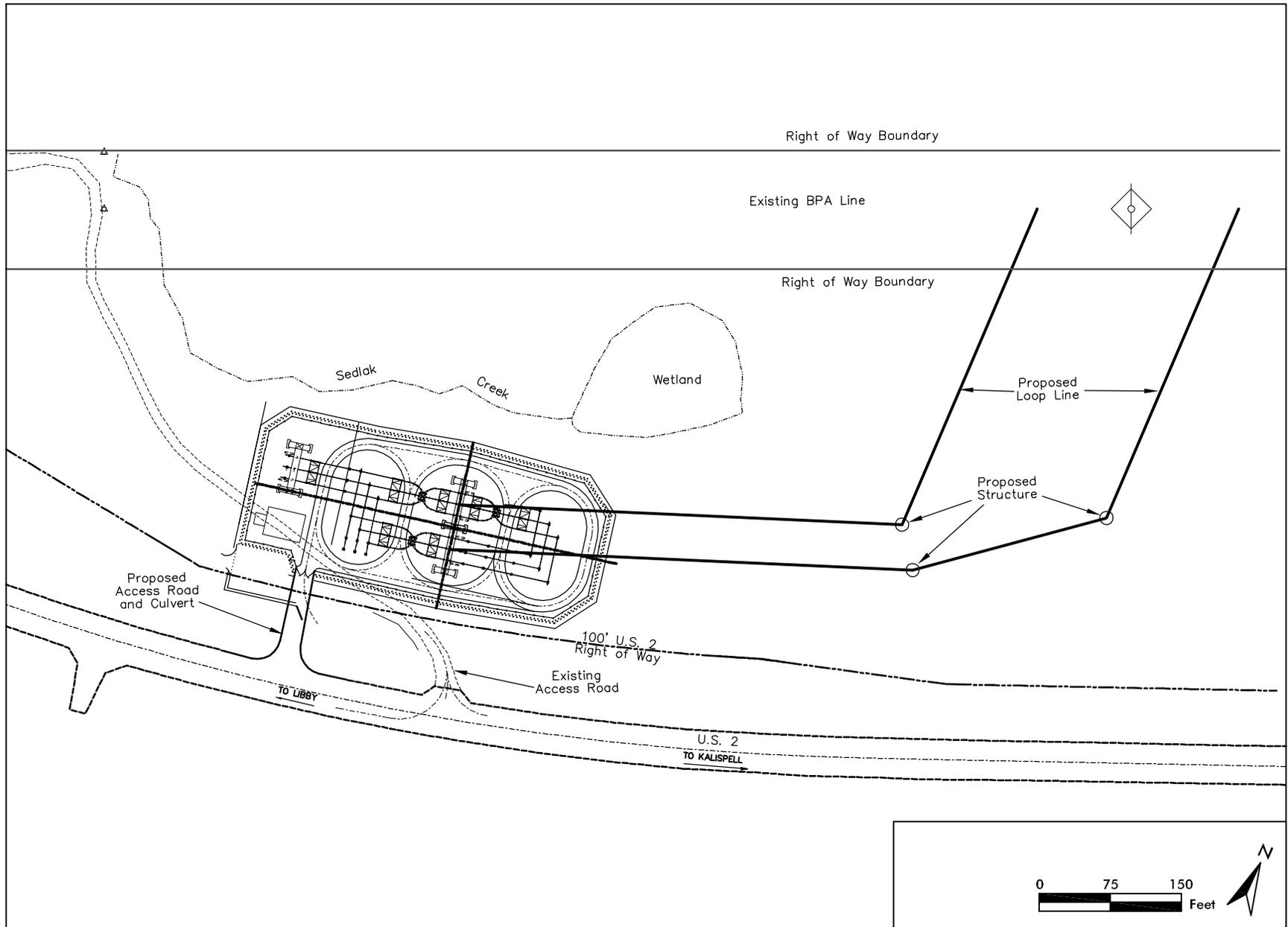
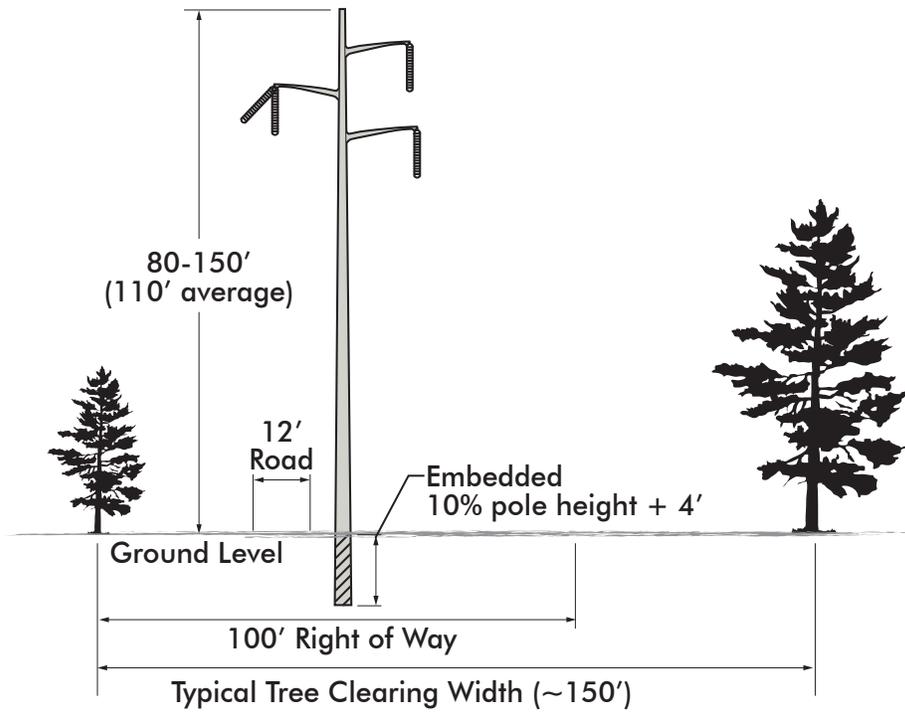
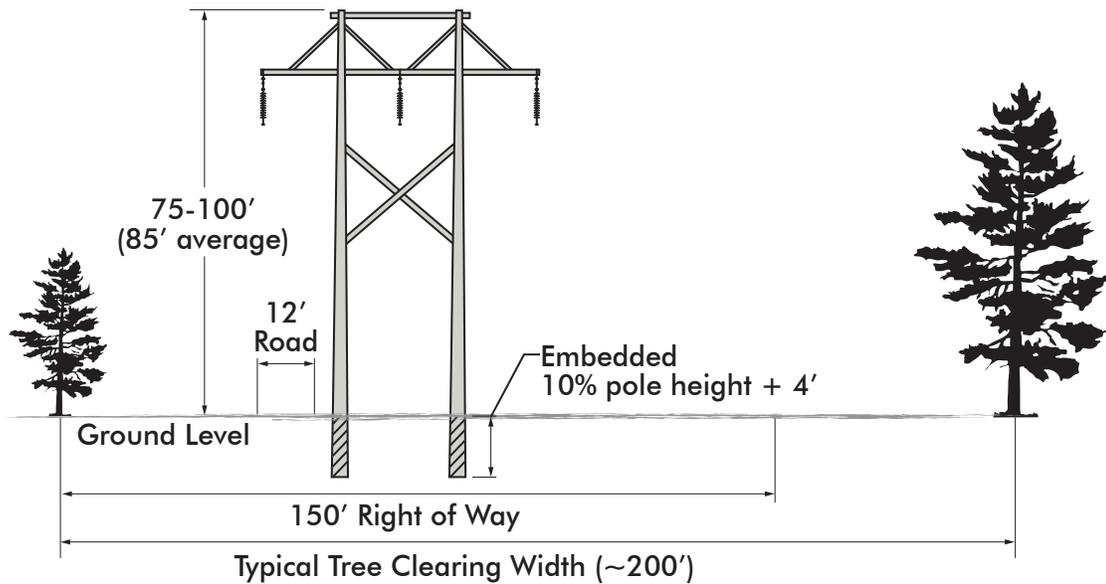


Figure 43. Sedlak Park Substation

Monopole Structure



H-Frame Structure



Note: most shrubs would not require clearing on either structure type.



Figure 44. Transmission Line Right-of-Way and Clearing Requirements

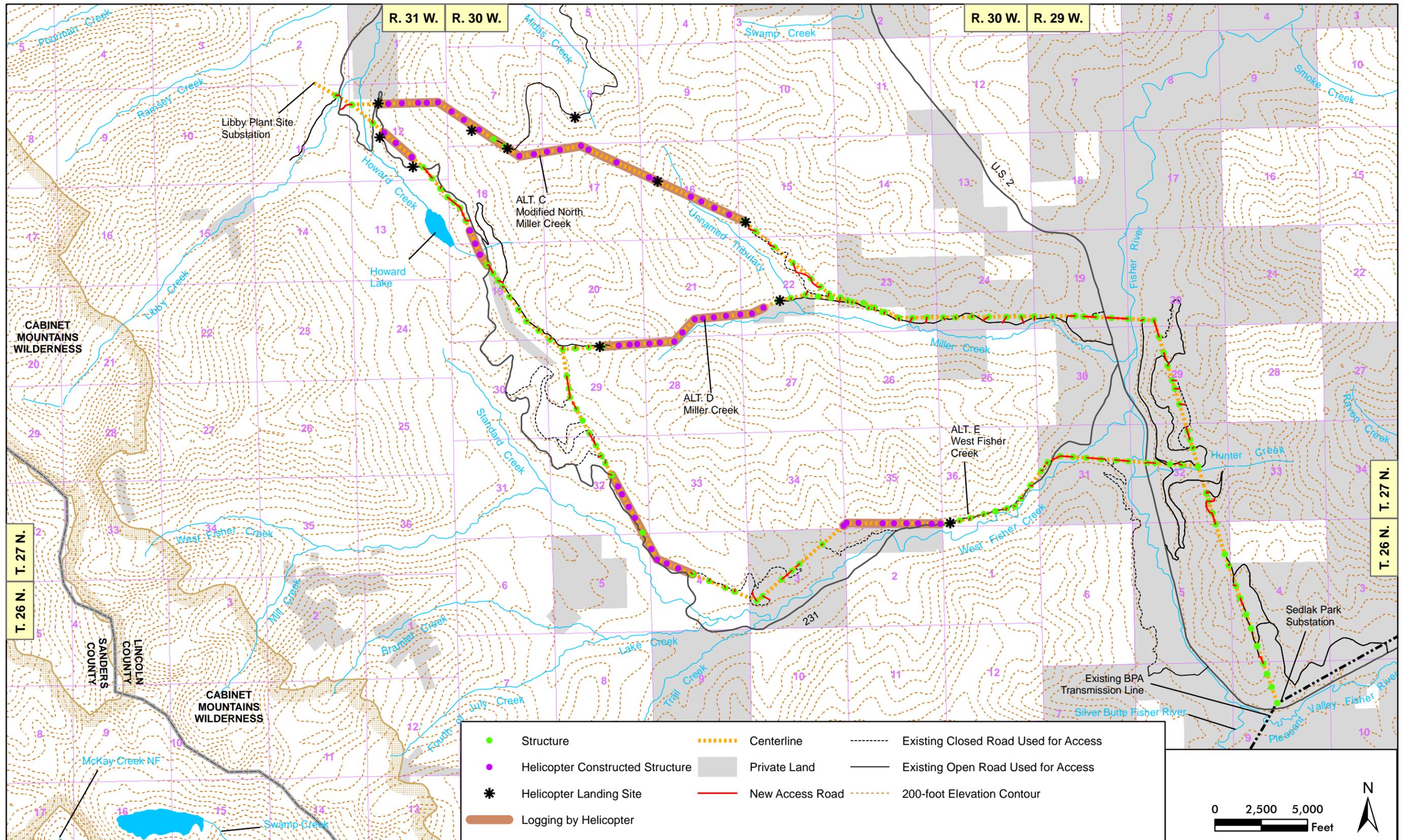


Figure 45. Transmission Line Alignment, Structures, and Access Roads, Alternatives C-E

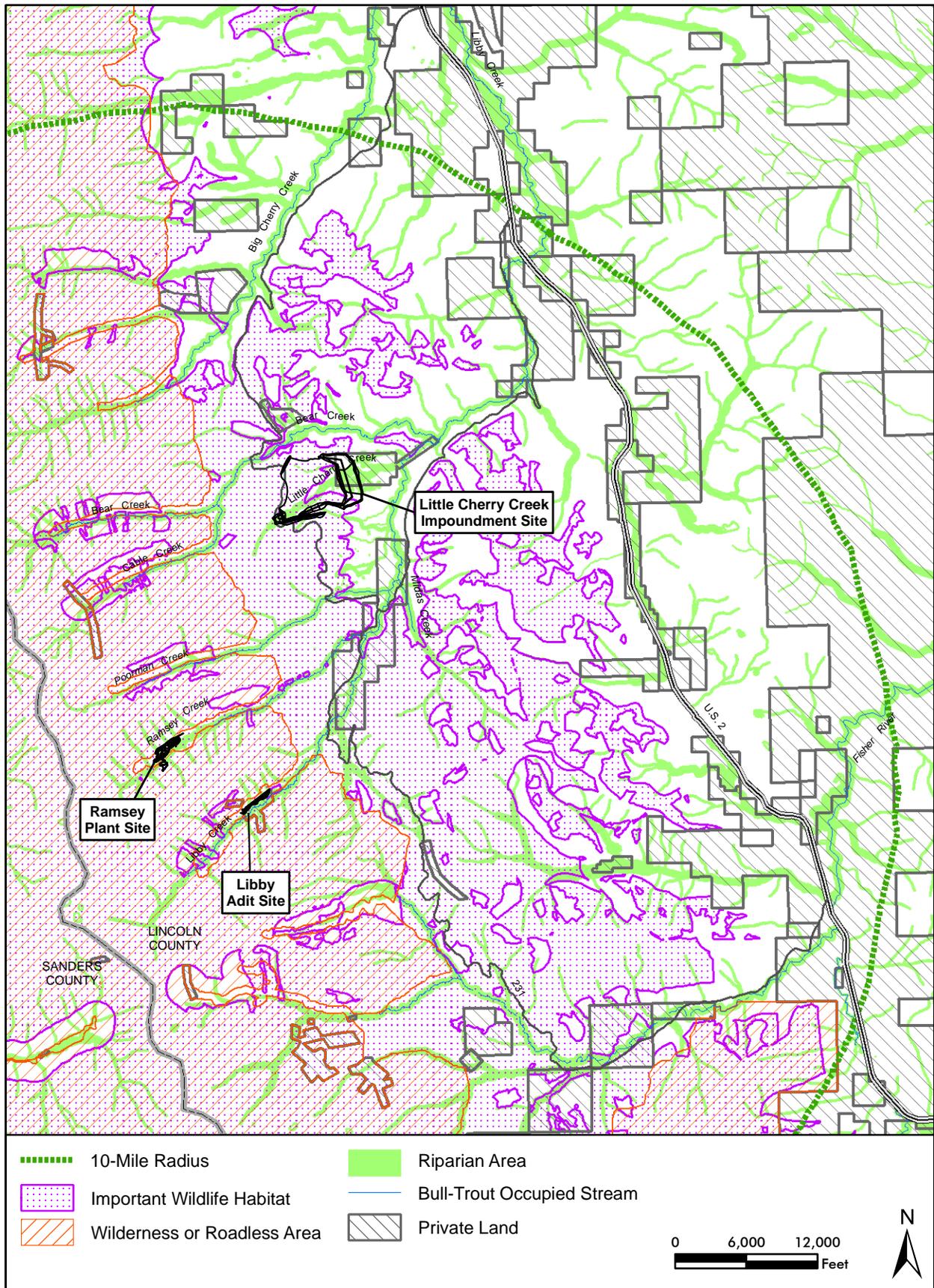


Figure 46. Key Resources Evaluated in the 2005-2007 Alternatives Analysis

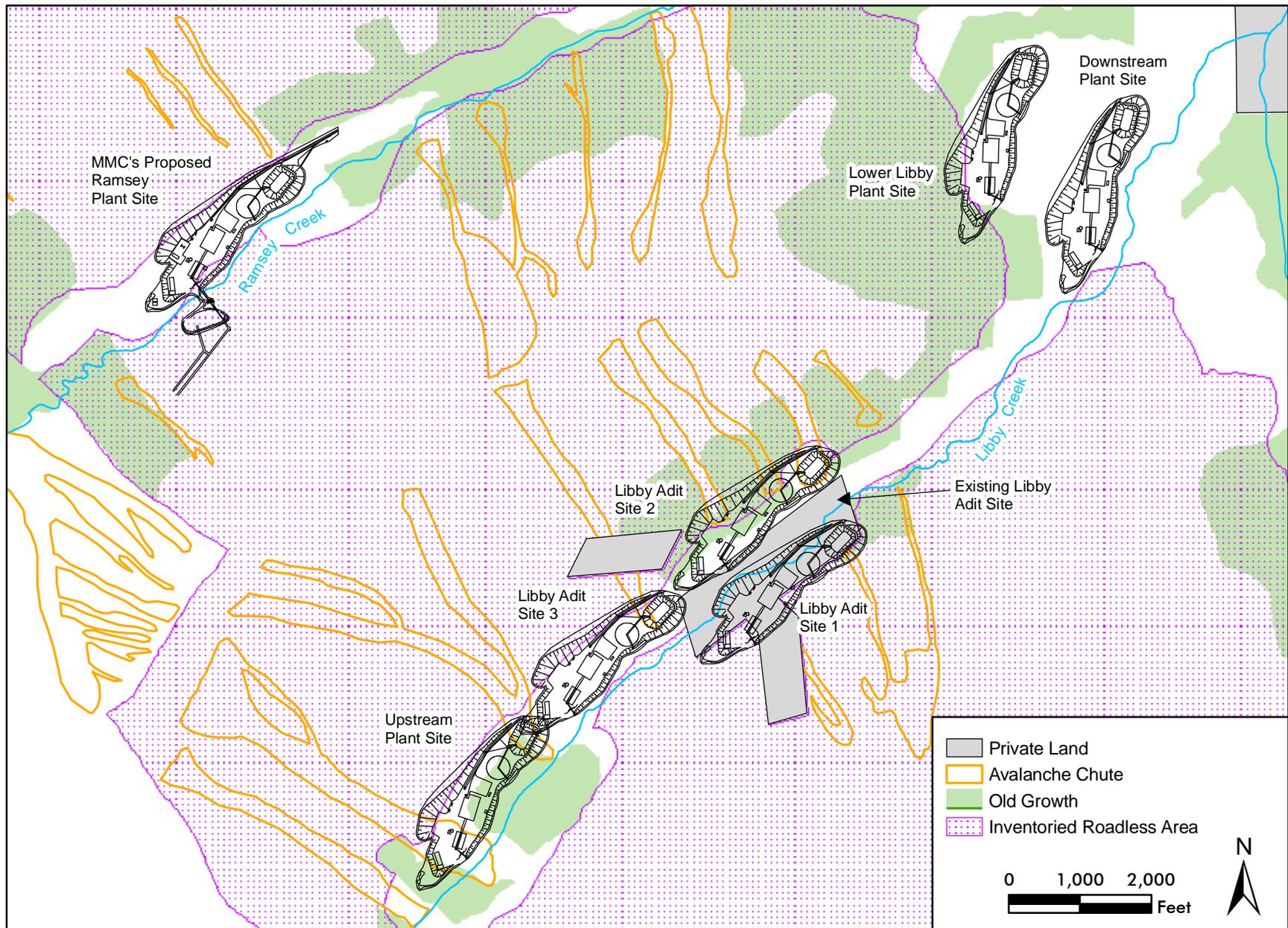


Figure 47. Plant Sites Evaluated in Upper Libby Creek for this EIS

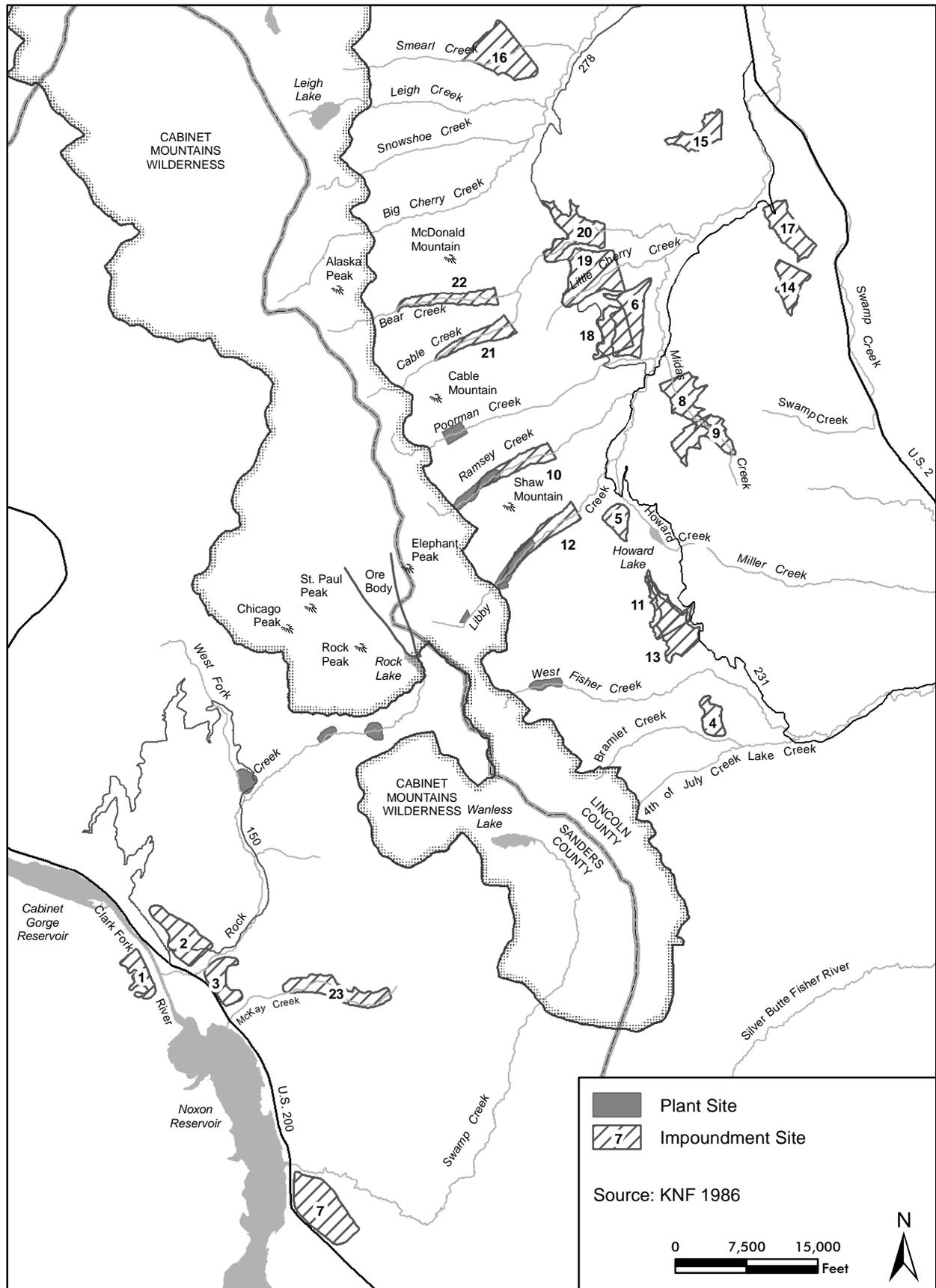


Figure 48. Plant and Impoundment Sites Evaluated in the Initial Screening

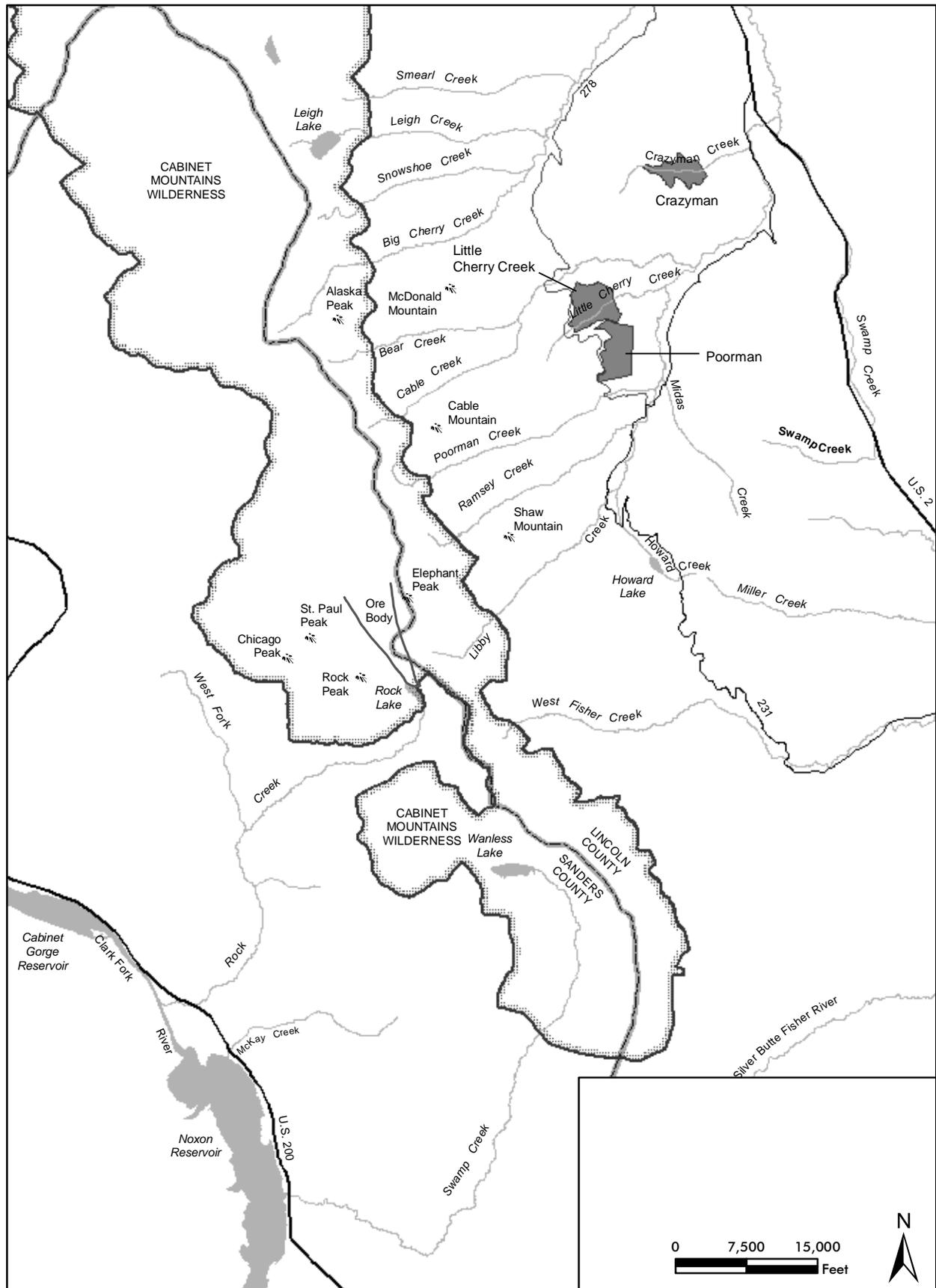


Figure 49. Tailings Impoundment Sites Evaluated in the Detailed Screening