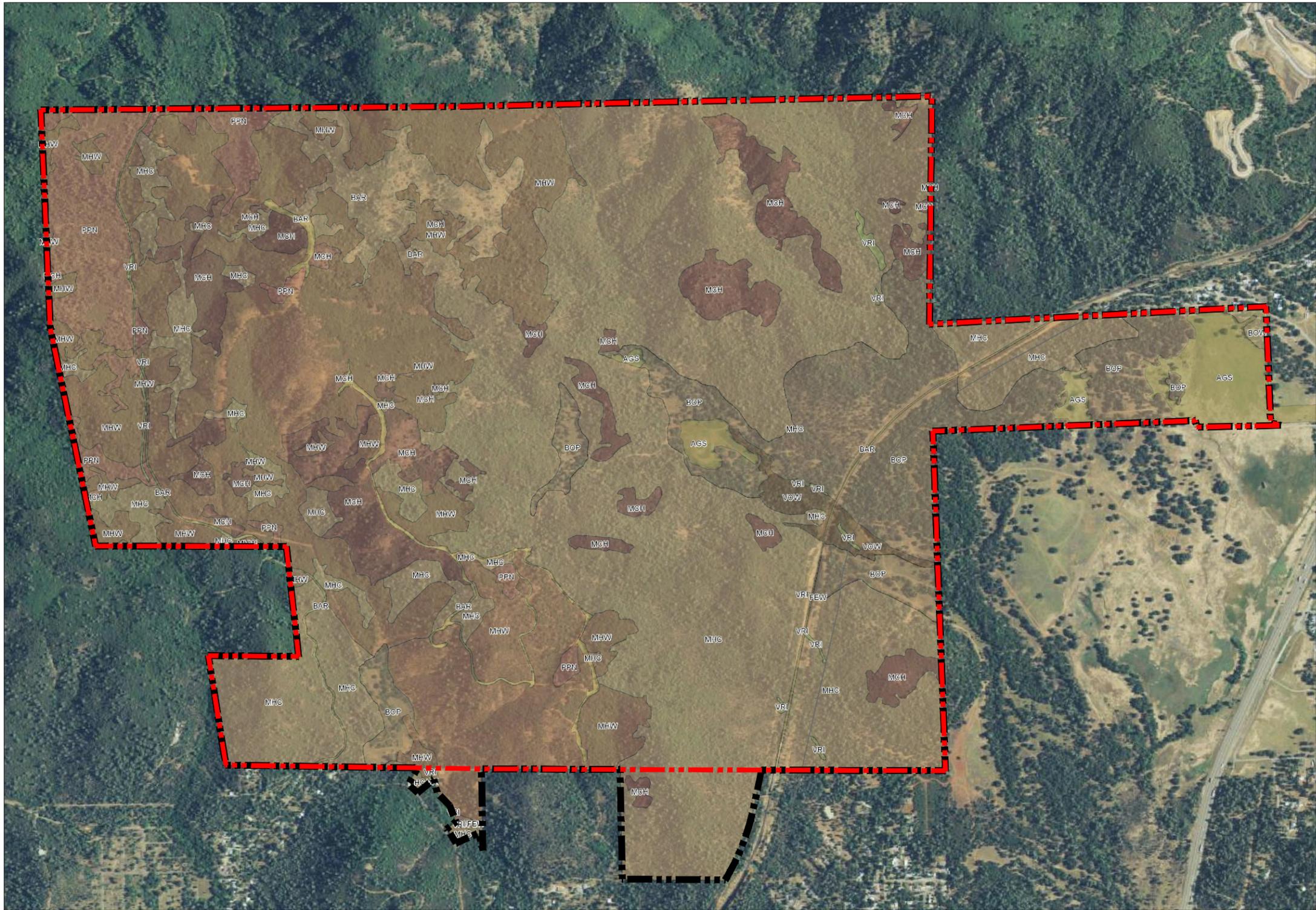


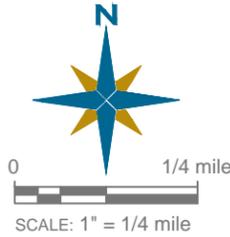
- Cv Carboniferous metavolcanic rocks
- Qc Pleistocene nonmarine
- Dv? Devonian and pre-Devonian? metavolcanic rocks
- D Devonian marine
- Property Ownership
- Site Boundary
- Limits of Surface Disturbance

SOURCE: California Department of Conservation, Division of Mines and Geology



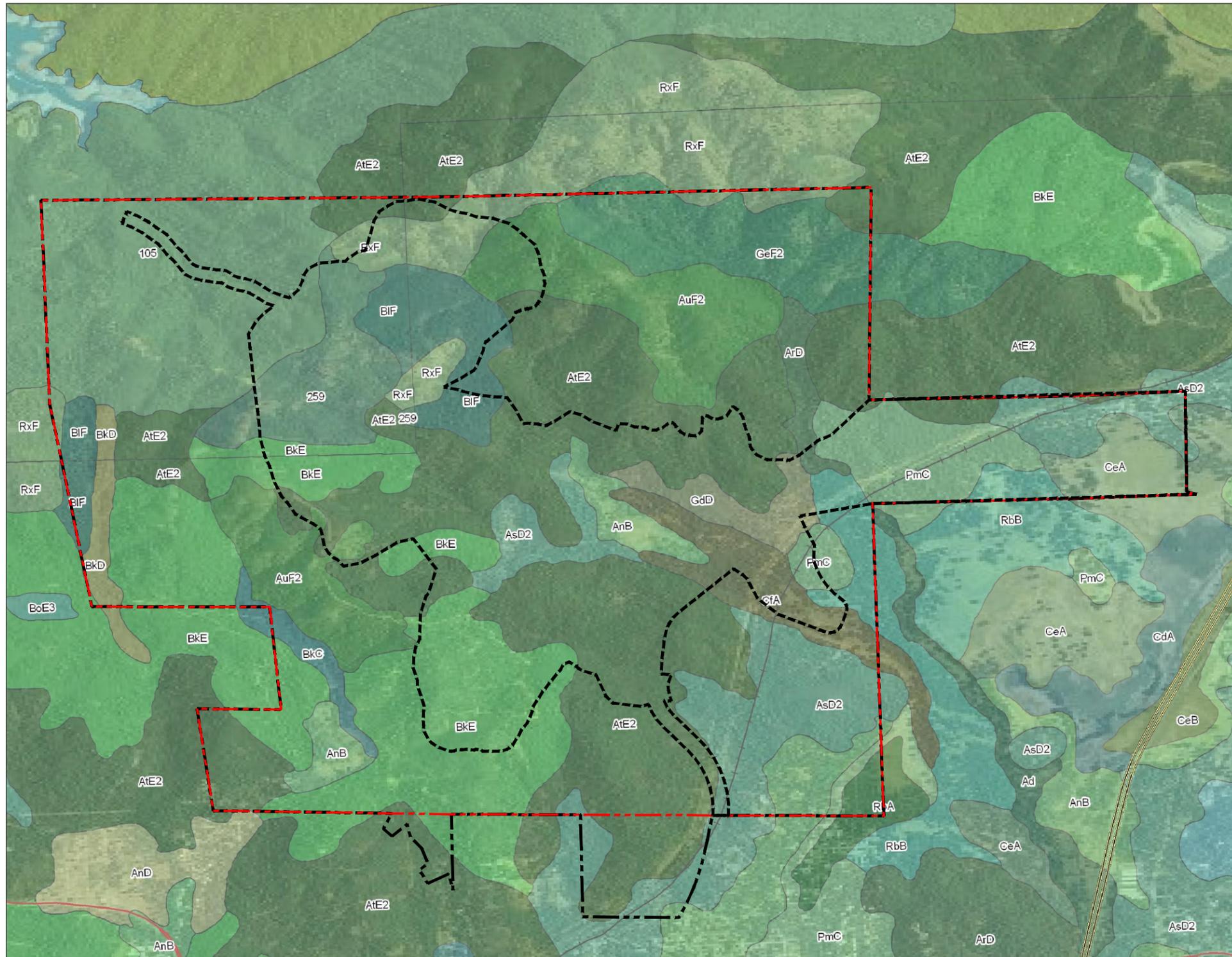
- AGS Annual Grassland
- BAR Barren
- BOP Blue Oak - Gray Pine
- BOW Blue Oak Woodland
- MCH Mixed Chaparral
- MHC Mixed Hardwood Conifer
- MHW Montane Hardwood
- PPN Ponderosa Pine
- VRI Valley Foothill Riparian
- VOW Valley Oak Woodland

SOURCE: California Department of Conservation



- Property Ownership ± 1900 acres
- Site Boundary ± 1810 acres
- Limits of Surface Disturbance

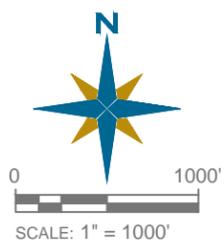
CWHR Vegetation Habitat Boundaries
MOODY FLATS QUARRY

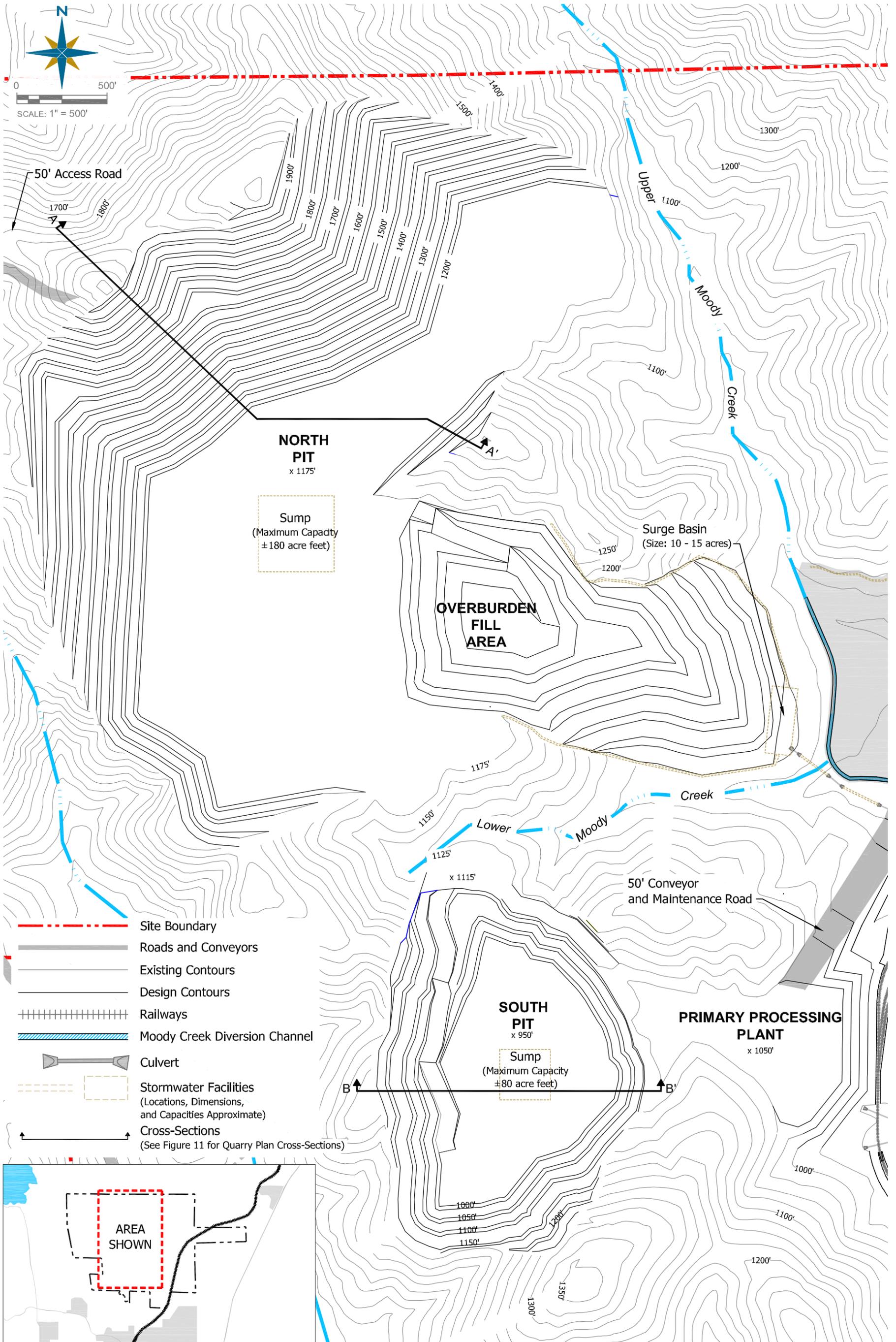


- AtD Anderson gravelly sandy loam
- AnB Auburn loam, 0% to 8% slopes
- AsD2 Auburn clay loam, 0% to 30% slopes, eroded
- AtE2 Auburn very stony clay loam, 30% to 50% slopes, eroded
- AuF2 Auburn very rocky clay loam, 50% to 70% slopes, eroded
- BkC Boomer gravelly loam, 0% to 15% slopes
- BkD Boomer gravelly loam, 15% to 30% slopes
- BkE Boomer gravelly loam, 30% to 50% slopes
- BIF Boomer very sandy loam, 50% to 70% slopes
- CeA Churn gravelly loam, 0% to 3% slopes
- GfA Churn gravelly loam, deep, 0% to 3% slopes
- GdD Goulding very stony loam, 10% to 30% slopes
- GeF2 Goulding very rocky loam, 50% to 70% slopes
- PmC Perkins gravelly loam, 8% to 15% slopes
- RbA Red Bluff loam, 0% to 3% slopes
- RbB Red Bluff loam, 3% to 8% slopes
- 105 Holland family, deep complex, 40 to 60 percent slopes
- 259 Rock outcrop-Goulding family complex, 40% to 80% slopes
- RxF Rockland

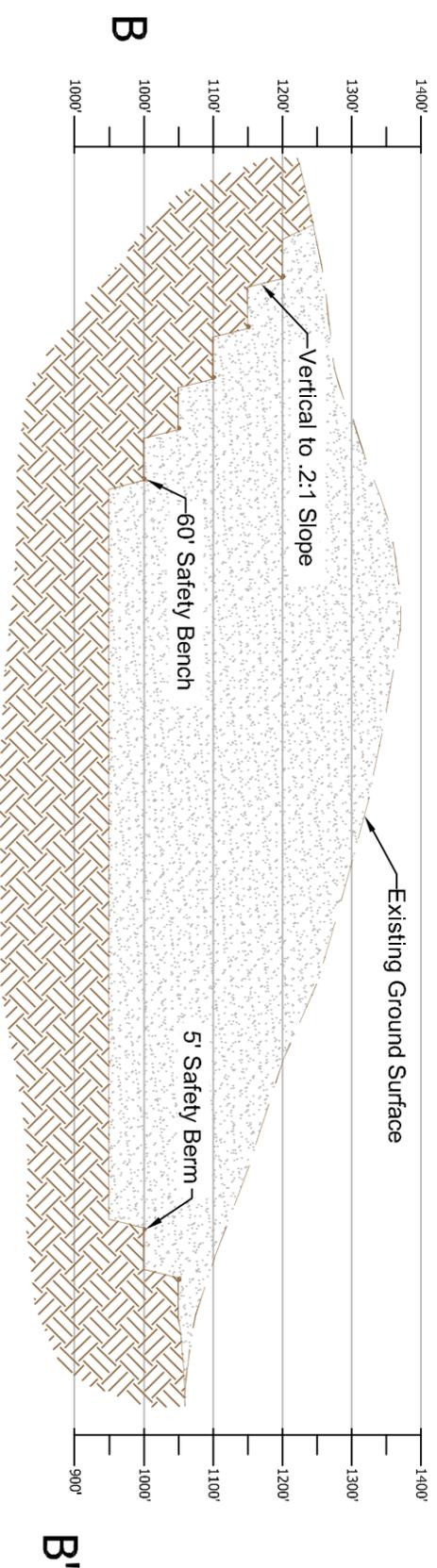
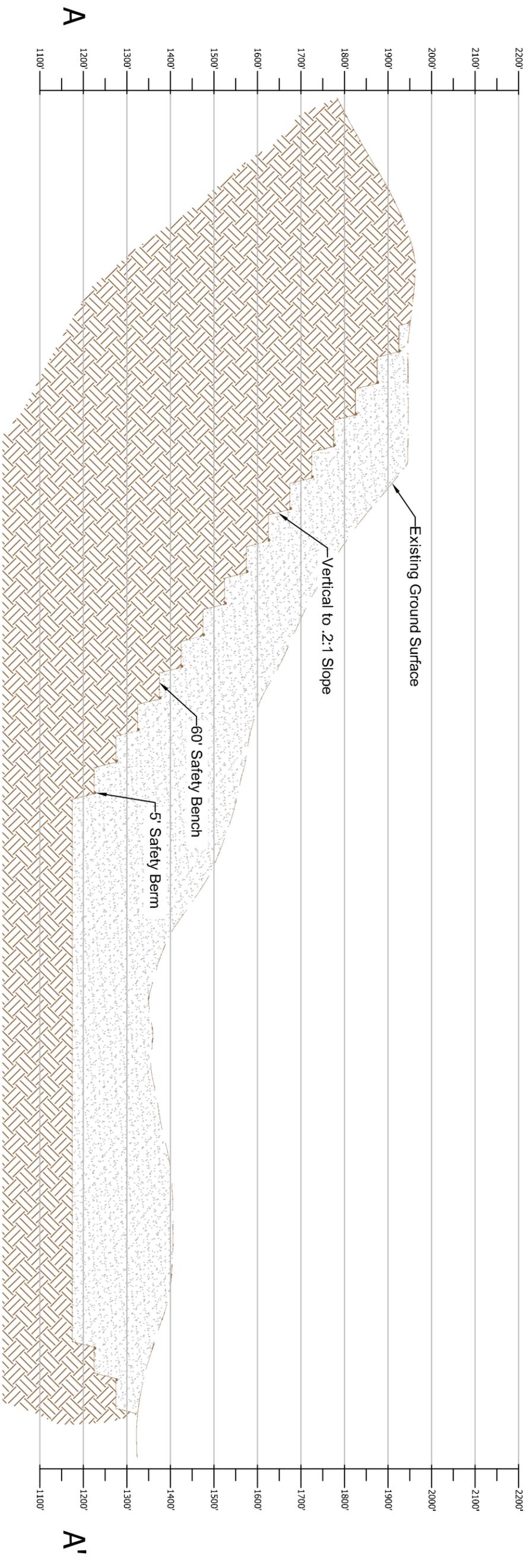
- Property Ownership
- Site Boundary
- Limits of Surface Disturbance

SOURCE: U.S.D.A., National Resource Conservation Service WSS

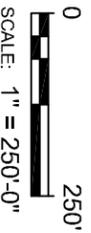


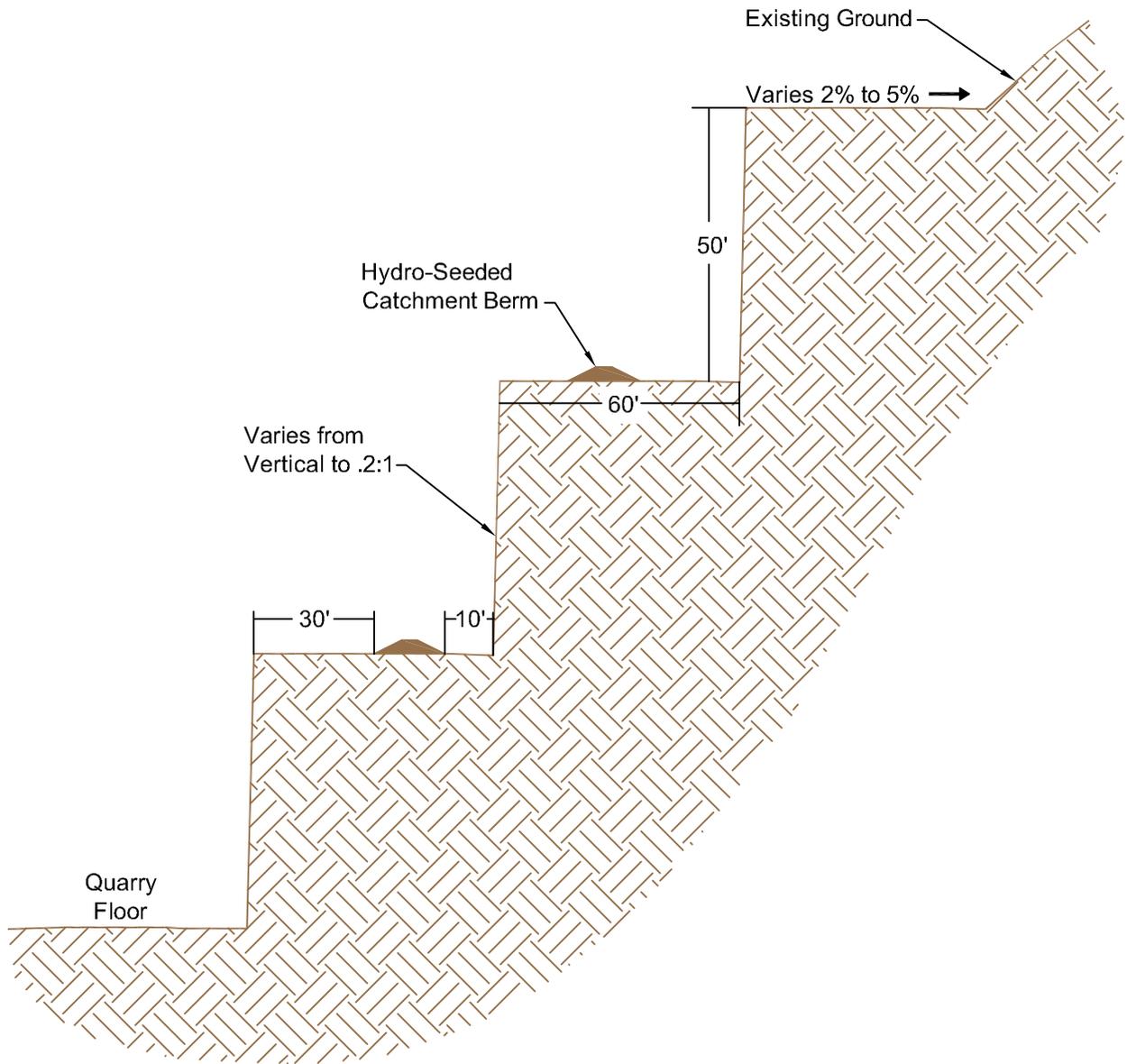


TOPOGRAPHY SOURCE: Pace Civil, Inc. (08-2006)
 CONTOUR INTERVAL: 25'-0"



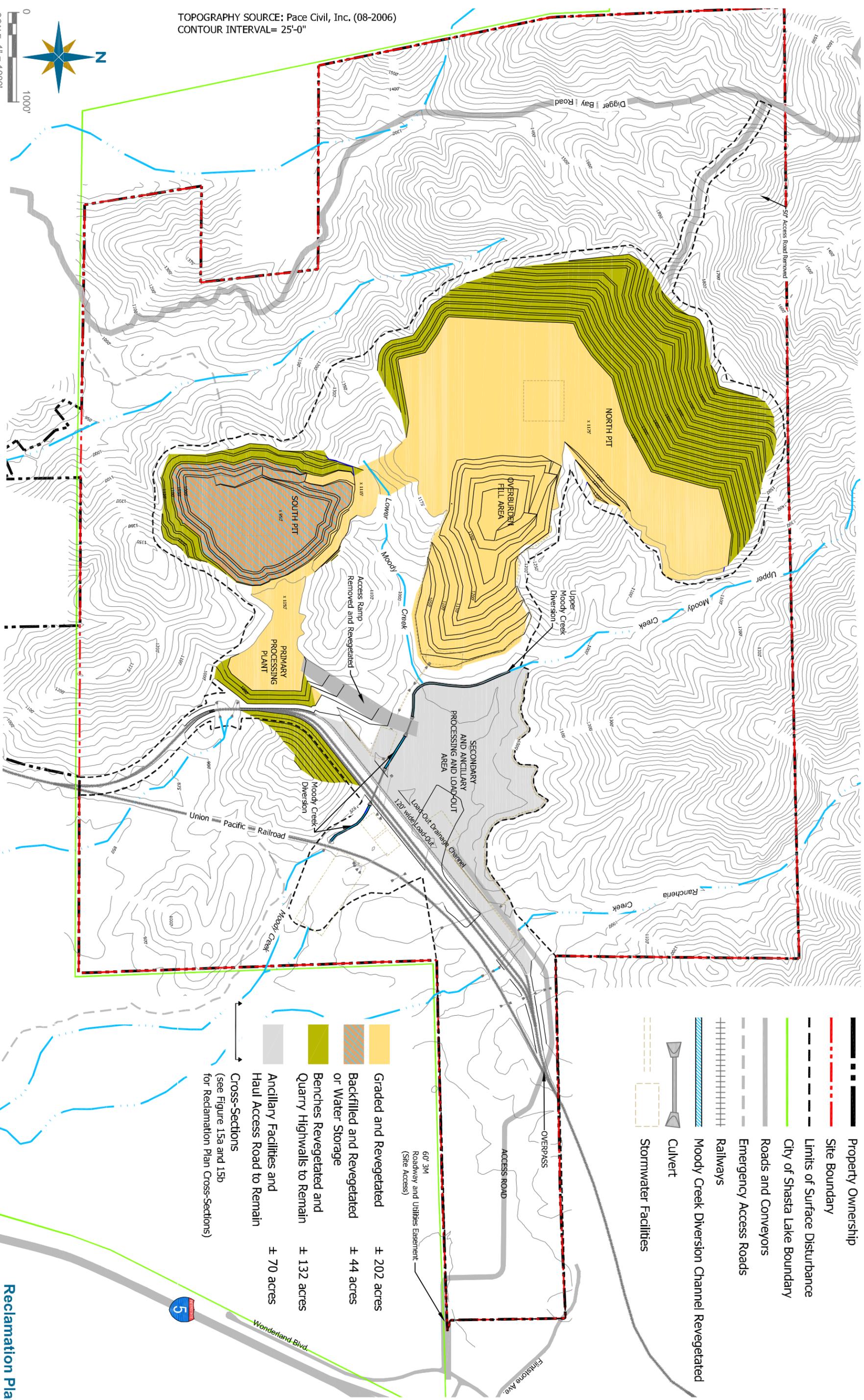
SEE FIGURE 11 FOR QUARRY PLAN CROSS-SECTION LOCATIONS

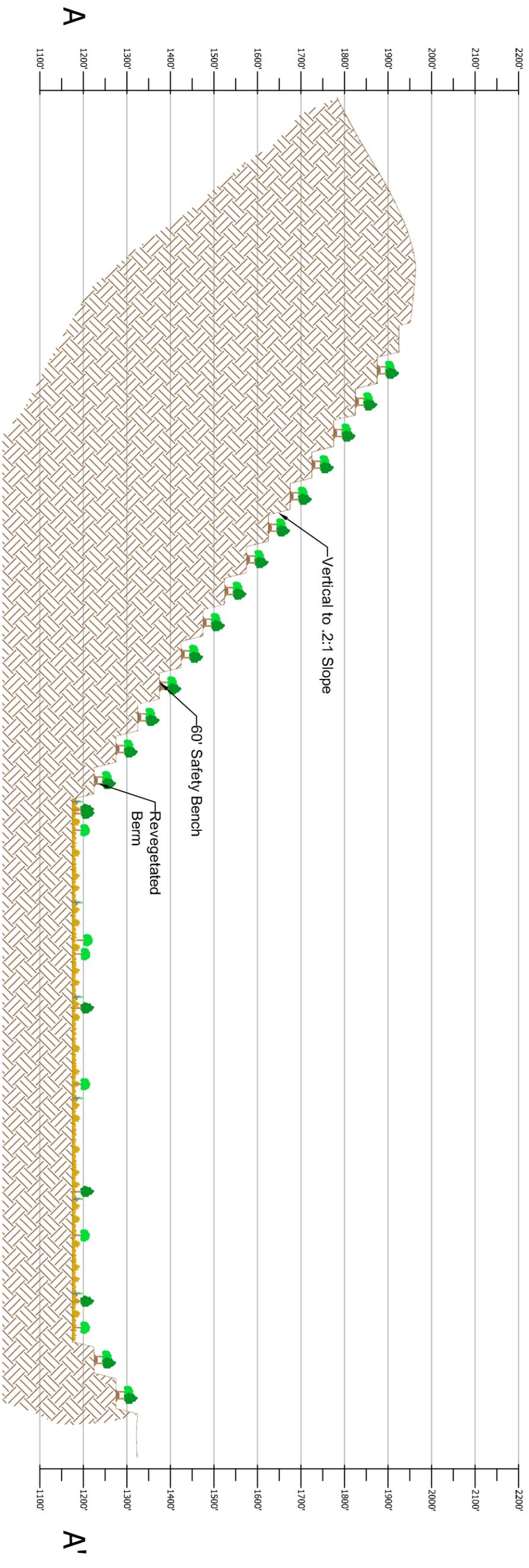




Conceptual Quarry Excavation Cut Slope

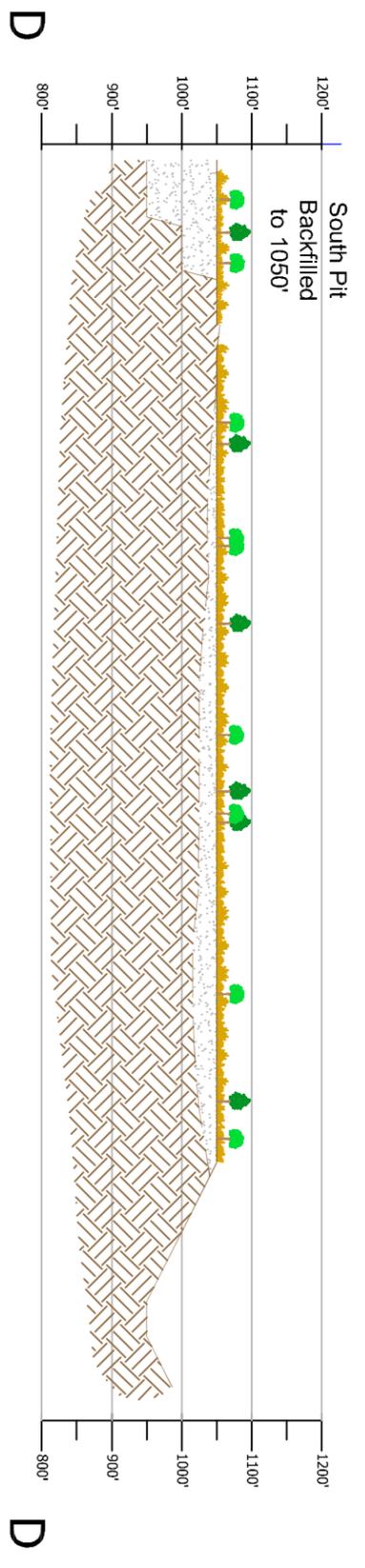
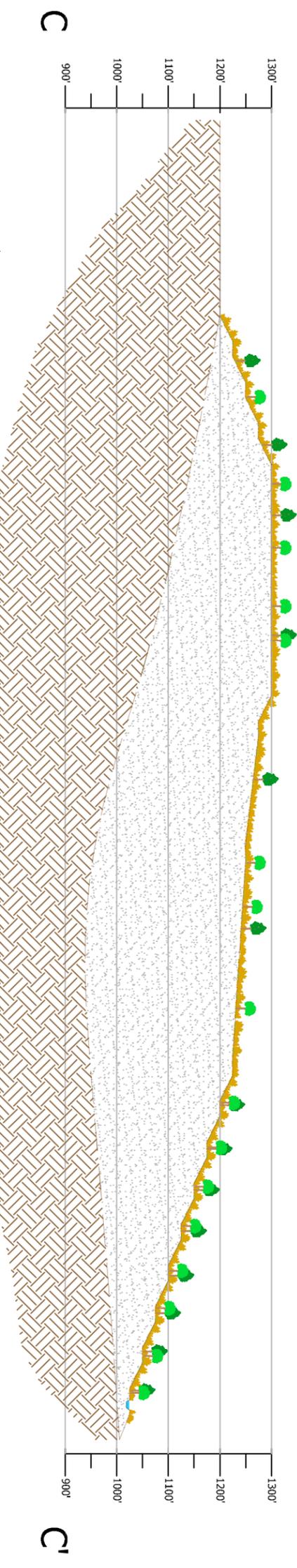
MOODY FLATS QUARRY





SEE FIGURE 14 FOR RECLAMATION PLAN CROSS-SECTION LOCATIONS

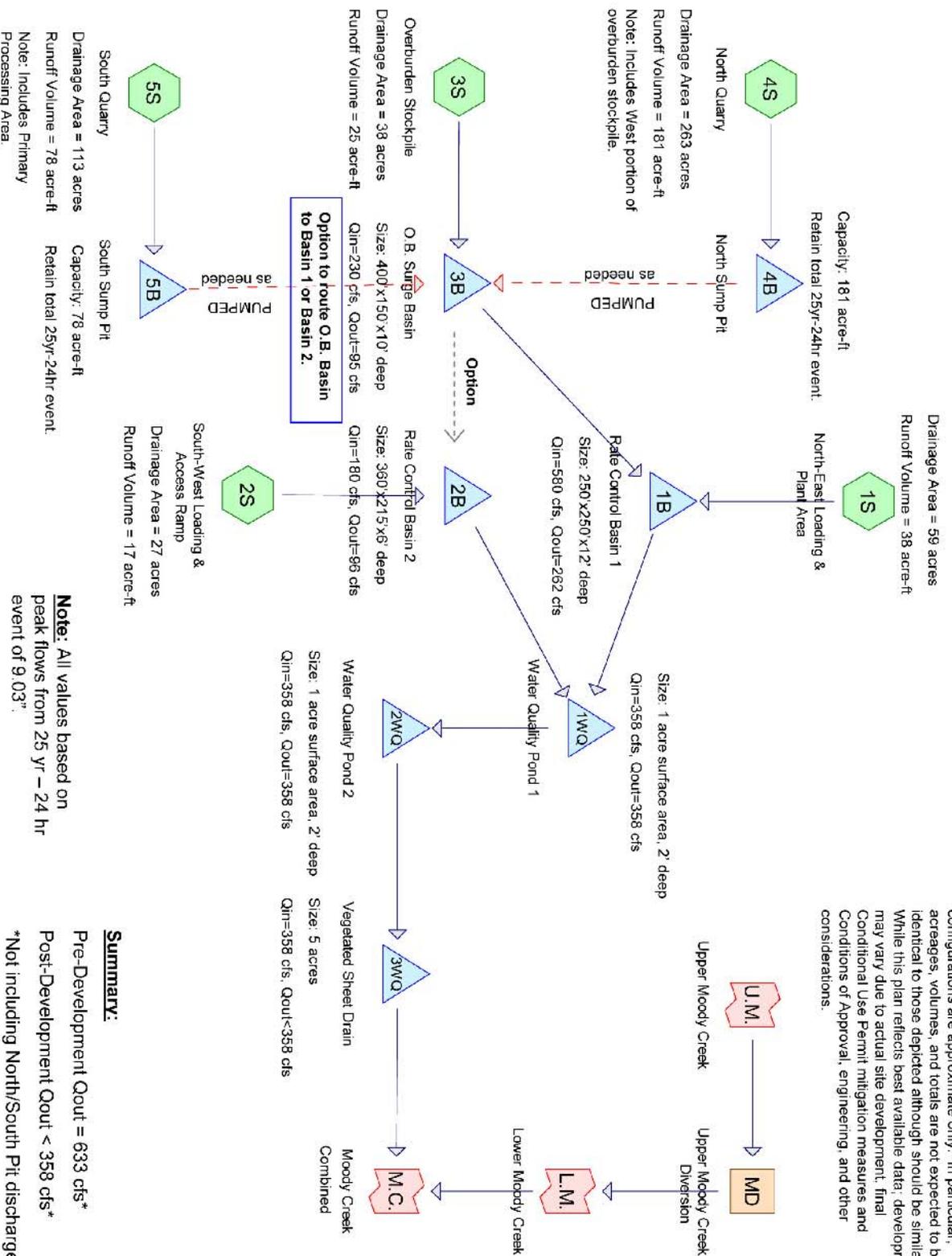




SEE FIGURE 14 FOR RECLAMATION PLAN CROSS-SECTION LOCATIONS



Disclaimer: All mine and stormwater facilities and configurations are approximate only. In particular, acreages, volumes, and totals are not expected to be identical to those depicted although should be similar. While this plan reflects best available data, development may vary due to actual site development, final Conditional Use Permit mitigation measures and Conditions of Approval, engineering, and other considerations.



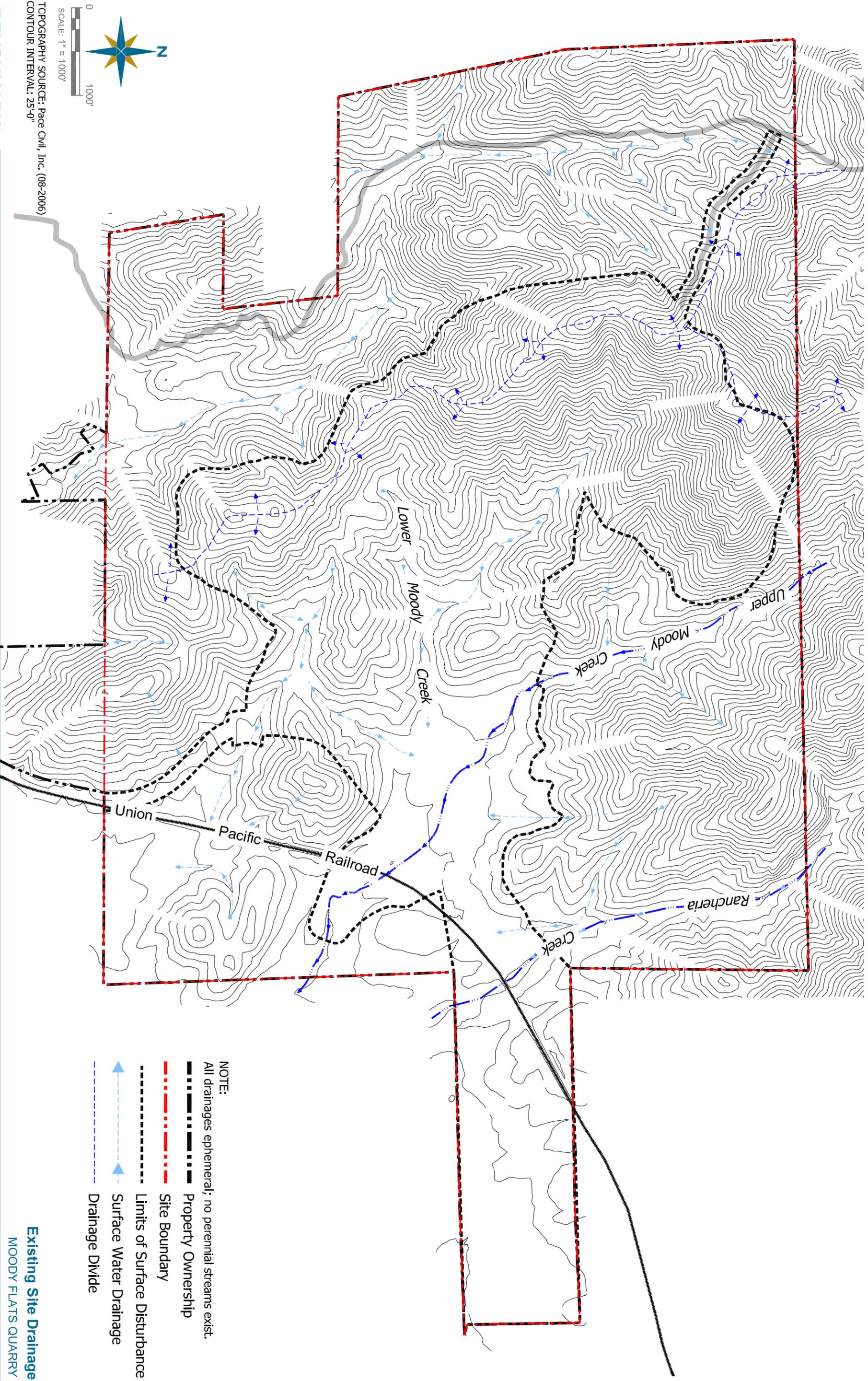
Summary:
Pre-Development Qout = 633 cfs*
Post-Development Qout < 358 cfs*
*Not including North/South Pit discharge

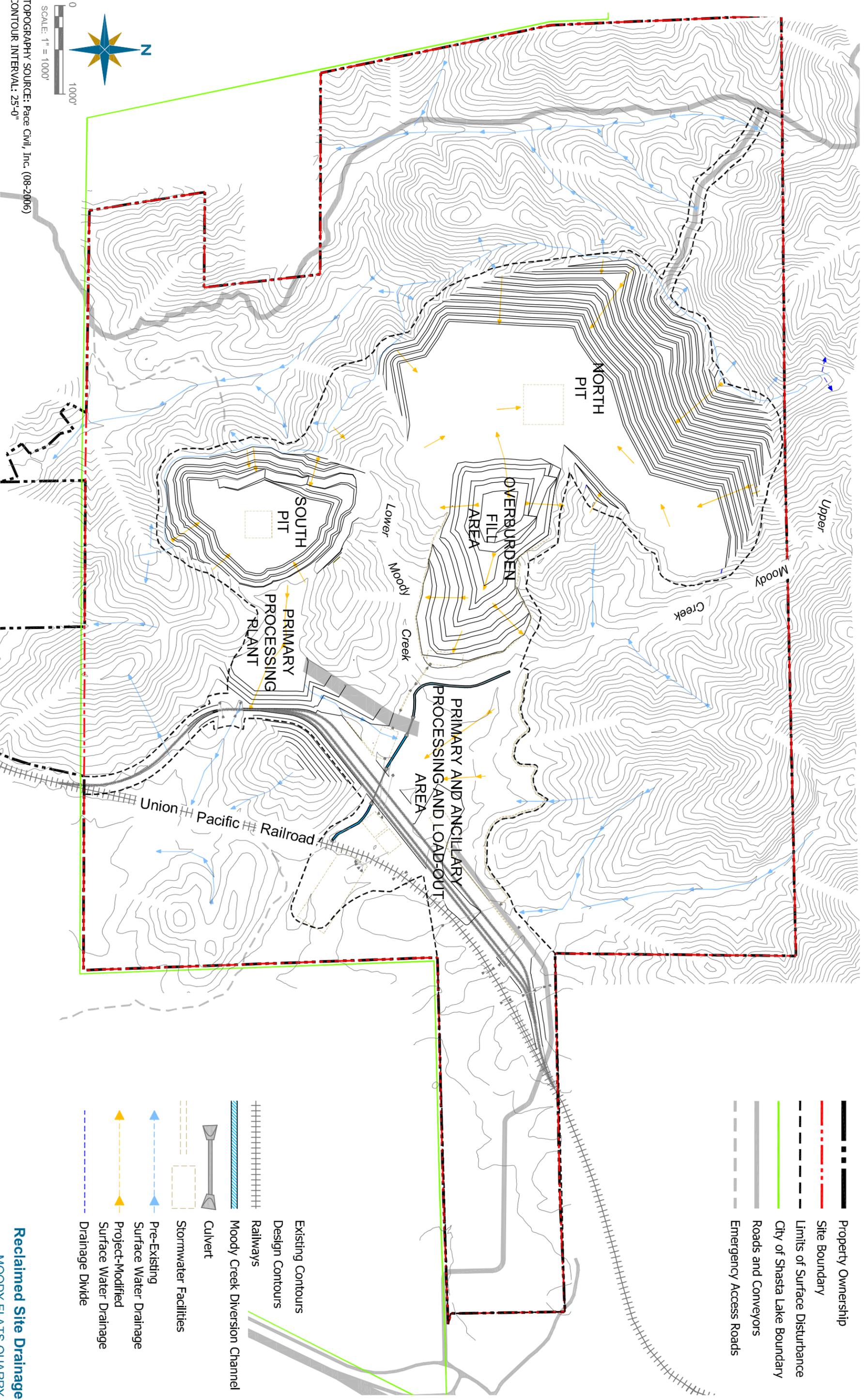
Note: All values based on peak flows from 25 yr – 24 hr event of 9.03”.

SOURCE: 3M (06-2010)

Stormwater Control and Facilities Flowchart

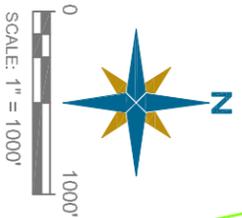
MOODY FLATS QUARRY





- Property Ownership
- Site Boundary
- Limits of Surface Disturbance
- City of Shasta Lake Boundary
- Roads and Conveyors
- Emergency Access Roads

- Existing Contours
- Design Contours
- Railways
- Moody Creek Diversion Channel
- Culvert
- Stormwater Facilities
- Pre-Existing Surface Water Drainage
- Project-Modified Surface Water Drainage
- Drainage Divide



TOPOGRAPHY SOURCE: Pace Civil, Inc. (08-2006)
 CONTOUR INTERVAL: 25'-0"