

Creating Solutions, Building Trust.

December 10, 2024

Project No. 23-01-200

Alan Pineda, PE Professional Engineer Bureau of Industrial Site Cleanup Nevada Division of Environmental Protection 375 E. Warm Springs Rd., Ste. 200 Las Vegas, NV 89119

Attn: Mr. Pineda

Re: **Modification No. 4 to the Remedial Design Report** Closure Unit and Borrow Area Boundary Modification Three Kids Mine, Henderson, Nevada

Dear Mr. Pineda:

Broadbent & Associates, Inc. (Broadbent) is pleased to submit this revised modification to the *Remedial Design Report, Revision 1* for the Three Kids Mine located in Henderson, Nevada.

Please do not hesitate to contact us if you should have any questions or require additional information.

Sincerely, BROADBENT & ASSOCIATES, INC.

c ft

Kirk Stowers, CEM Principal Geologist

cc: JD Dotchin, NDEP Joe McGinley, McGinley & Associates, Inc. Caitlin Jelle, McGinley & Associates, Inc. Ann Verwiel, ToxStrategies Robert Unger, Lakemoor Ventures LLC Mindy Unger-Wadkins, Lakemoor Ventures LLC Leo Drozdoff, Drozdoff Group, LLC Karen Gastineau, Broadbent & Associates, Inc. Christene Klimek, City of Henderson Sean Robertson, City of Henderson Stephanie Garcia-Vause, City of Henderson Anthony Molloy, City of Henderson Quincy Edwards, Pulte Group Doug Adair, Pulte Group Paul Kenner, on behalf of Pulte Group Michael Ford, Snell & Wilmer Brad Cahoon, Dentons Bryan Douglass, Douglass, Inc. Charles M. Damus, Laker Development, LLC Darryn Padfield, River Mountain Bike Shop David Grossheim, Laker Plaza, Inc. Frank Sator, Laker Development, LLC Laird Sanders, Lake Mead Boat Storage Rhonda Sanders, Lake Mead Boat Storage Tyler Cahoon, Dentons

Modification No. 4 to the Remedial Design Report, Revision 1 Closure Unit and Borrow Area Boundary Modification Three Kids Mine Henderson, Nevada

JURAT: I, Karen Gastineau, certify that I am responsible for the services in this document and for the preparation of this document. The services described in this document have been provided in a manner consistent with the current standards of the profession and to the best of my knowledge comply with all applicable federal, State, and local statutes, regulations, ordinances, and the requirements of the Mine Remediation and Reclamation Agreement and Administrative Order on Consent for the Three Kids Mine Site.

Karen Dastineau

Karen Gastineau Senior Hydrogeologist CEM #2468 (4/1/2025)

December 10, 2024
Date



TECHNICAL MEMORANDUM

То:	Alan Pineda, Nevada Division of Environmental Protection	
From:	Karen Gastineau, Broadbent & Associates, Inc.	
Subject:	Modification No. 4 to the Remedial Design Report Closure Unit and Borrow Area Boundary Modification Three Kids Mine Site, Henderson, Nevada	
Date:	December 10, 2024	

This Technical Memorandum presents Broadbent & Associates, Inc.'s Modification No. 4 to the *Remedial Design Report, Revision 1* dated March 4, 2024 (Remedial Design Report) for the Three Kids Mine Site (Site) in Henderson, Nevada. Primary changes include:

- Modification of Closure Unit 1 to match the observed western and southern boundaries of Tailings Pond 2 after excavation.
- Refinement of the borrow source area map to more clearly show potential borrow material as land owned by Pulte outside of the Closure Units/Impacted Area.

In both cases, changes are needed as remediation and reclamation progressed and more information is obtained regarding site conditions and contractor means and methods. Additional details are provided below.

Closure Unit 1 Modification

The boundary of Tailings Pond 2 inferred during the Remedial Investigation was refined during the excavation of Tailings Pond 2, which was completed on November 14, 2024. Most notably, the southern boundary of Tailings Pond 2 extended farther to the south in two washes, where tailings material was found during remediation to be covered with alluvial sediment. Minor changes were also made to the western boundary of Tailings Pond 2 based on actual extent of tailings. Closure Unit 1 was modified to match the actual footprint of Tailings Pond 2 in the revised Figure 9 (attached). Furthermore, the Central Valley Area (Figure 6) and Location of Ten-Foot Cover (Figures 7) were modified for consistency with the revised Closure Unit 1. As a result, the ten-foot cover will be placed over the full lateral extent of former Tailings Pond 2. Additionally, modification to the Central Valley Area will allow for placement of waste rock as deep fill in areas where extra excavation occurred during remediation. Figure 6 was additionally modified so that the sliver of Pulte property to the east of Laker Plaza on which Laker Plaza is currently encroaching was removed from the Central Valley Area as a location for placement of waste rock.

Borrow Area Source Map Refinement

The Borrow Area Source map included in the Remedial Design Report as Figure 7 showed rough outlines of the three potential borrow source areas: 1) Sedimentary units (Muddy Creek Formation and alluvium), 2) River Mountain volcanics, and 3) Downwind River Mountain volcanics. Revised Figure 7 refines the boundaries of these areas to include land owned by Pulte that is outside of the Closure Units (or Impacted Area). This clarification is necessary based on contractor means and methods for placement of the ten-

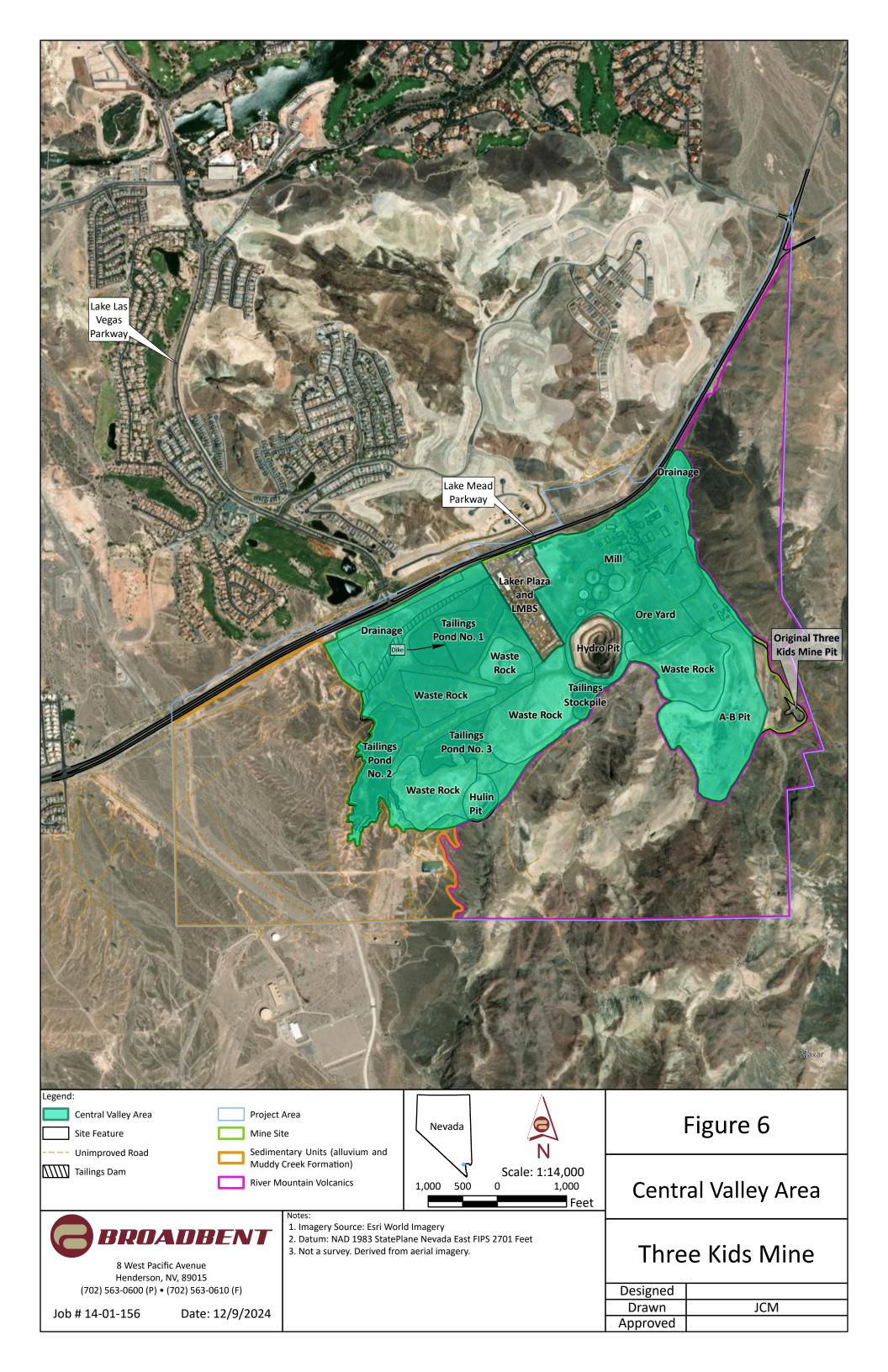
foot cover, which in some areas includes pushing borrow material from the borrow source areas on top of waste rock fill within the Closure Units. Additionally, the ridge between the two southern lobes of Tailings Pond 2 was excluded from the Central Valley Area and included as a borrow source area.

Figures

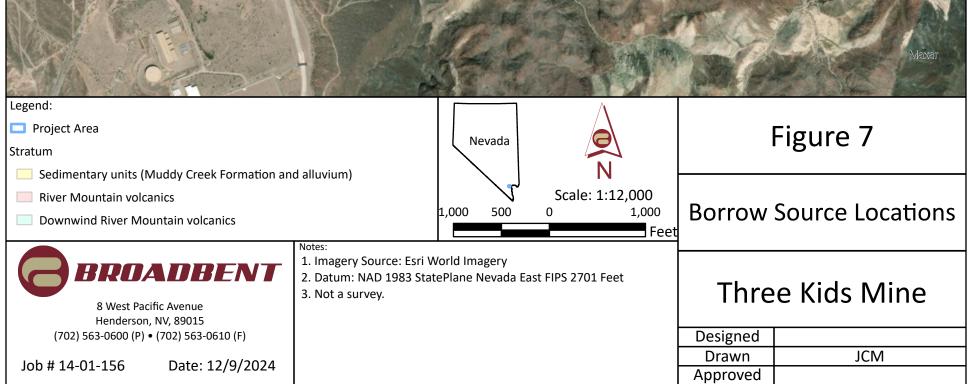
Figure 6 (Revised)	Central Valley Area
Figure 7 (Revised)	Borrow Source Locations
Figure 8 (Revised)	Location of Ten-Foot Cover
Figure 9 (Revised)	Closure Units

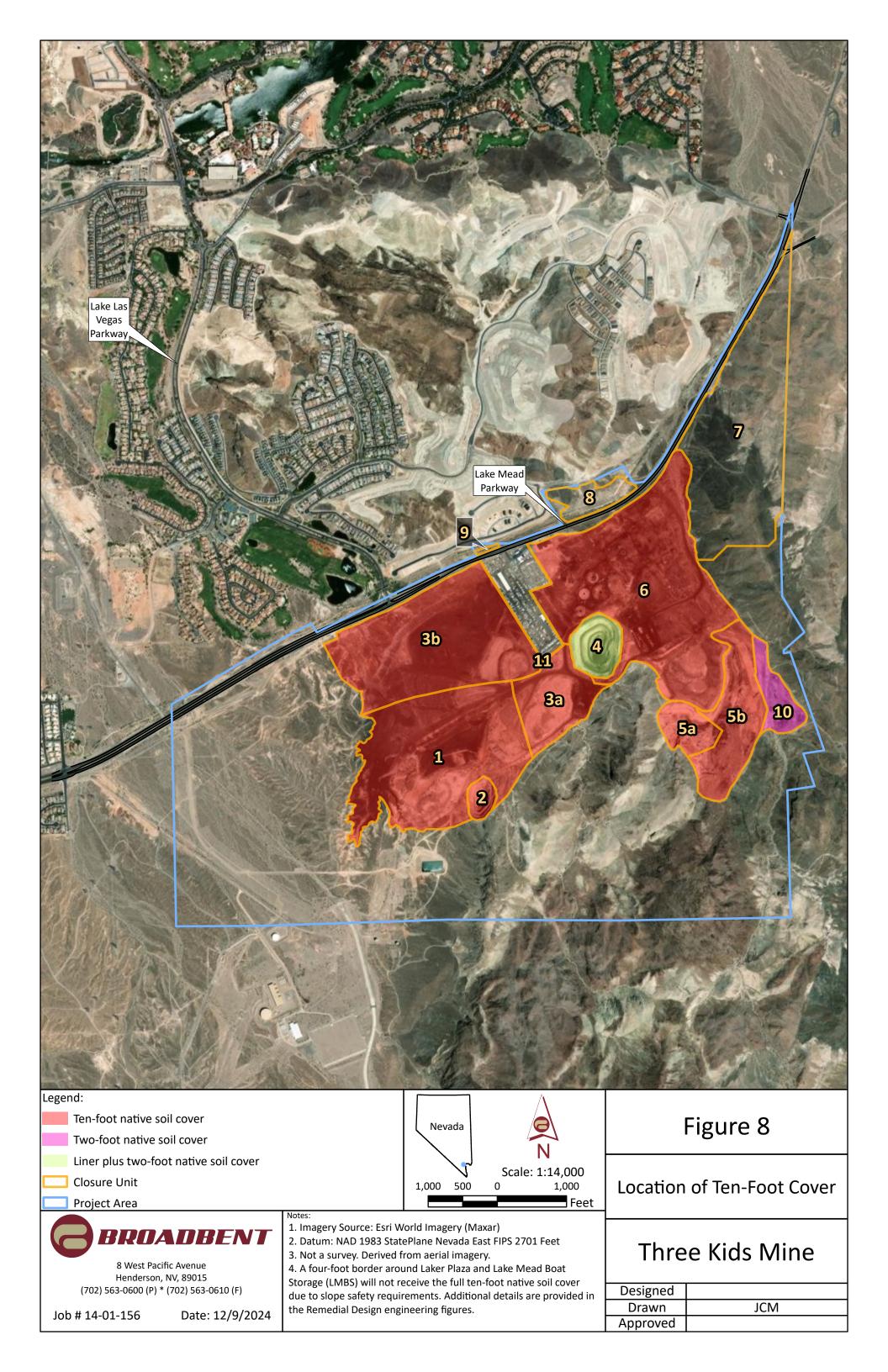
References

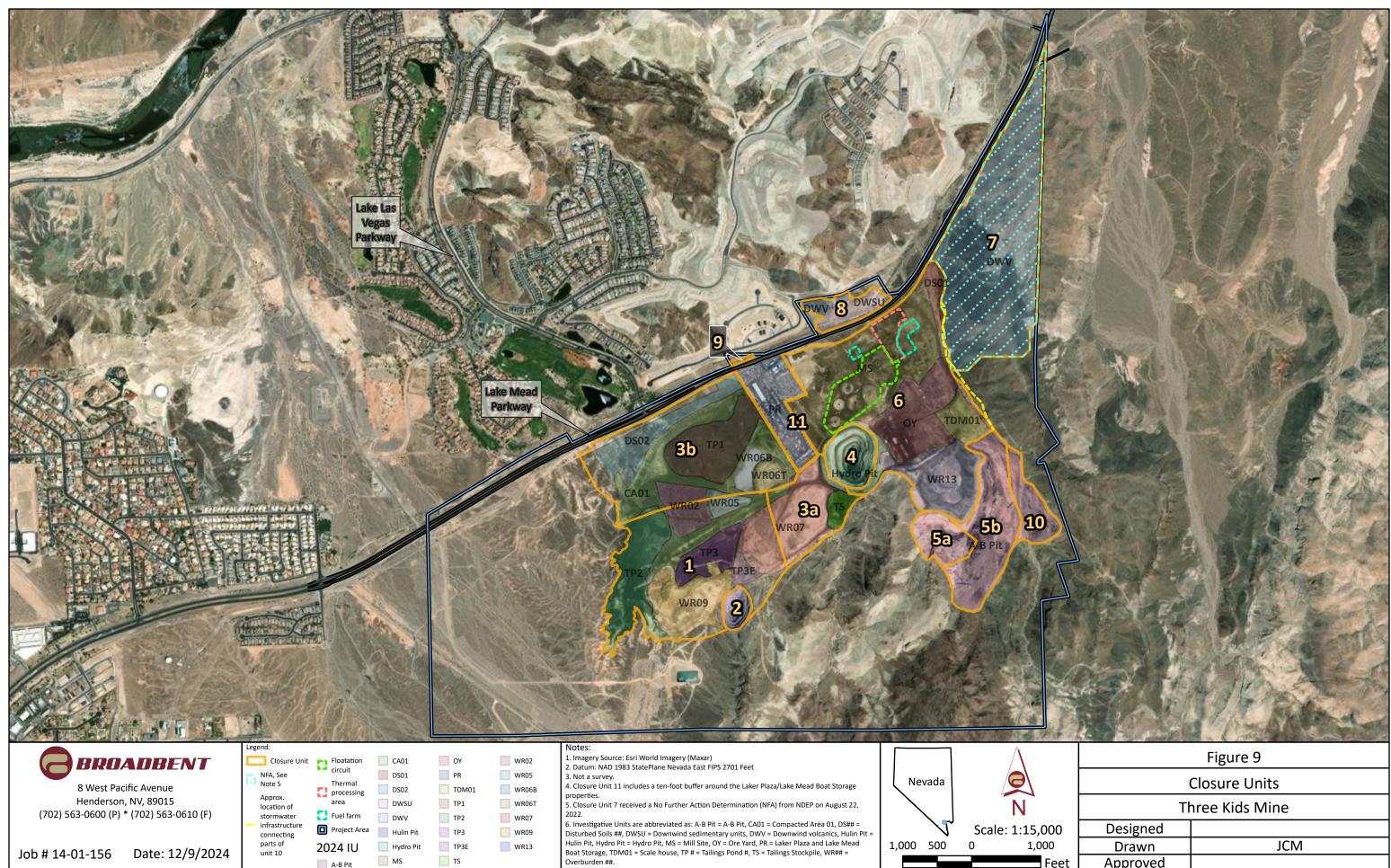
Broadbent. 2024. Remedial Design Report, Revision 1, Three Kids Mine, Henderson, Nevada. March 4.











MS

A-B Pit

TS 📃

Figure 9			
Closure Units			
Three Kids Mine			
Designed			
Drawn	JCM		
Approved			
	Designed Drawn		