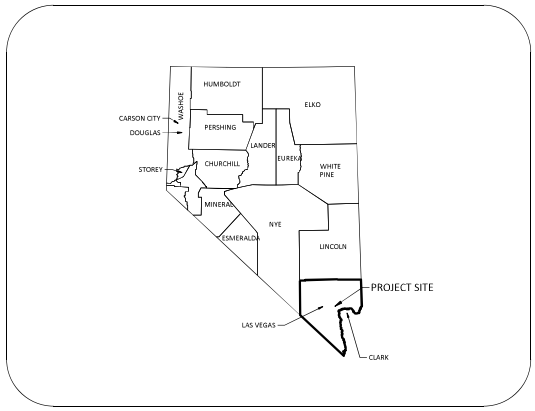
REMEDIAL DESIGN TO IMPLEMENT CORRECTIVE ACTION PLAN SOIL AND MINE WASTES THREE KIDS MINE LAKEMOOR VENTURES LLC

STATE MAP



VICINITY MAP

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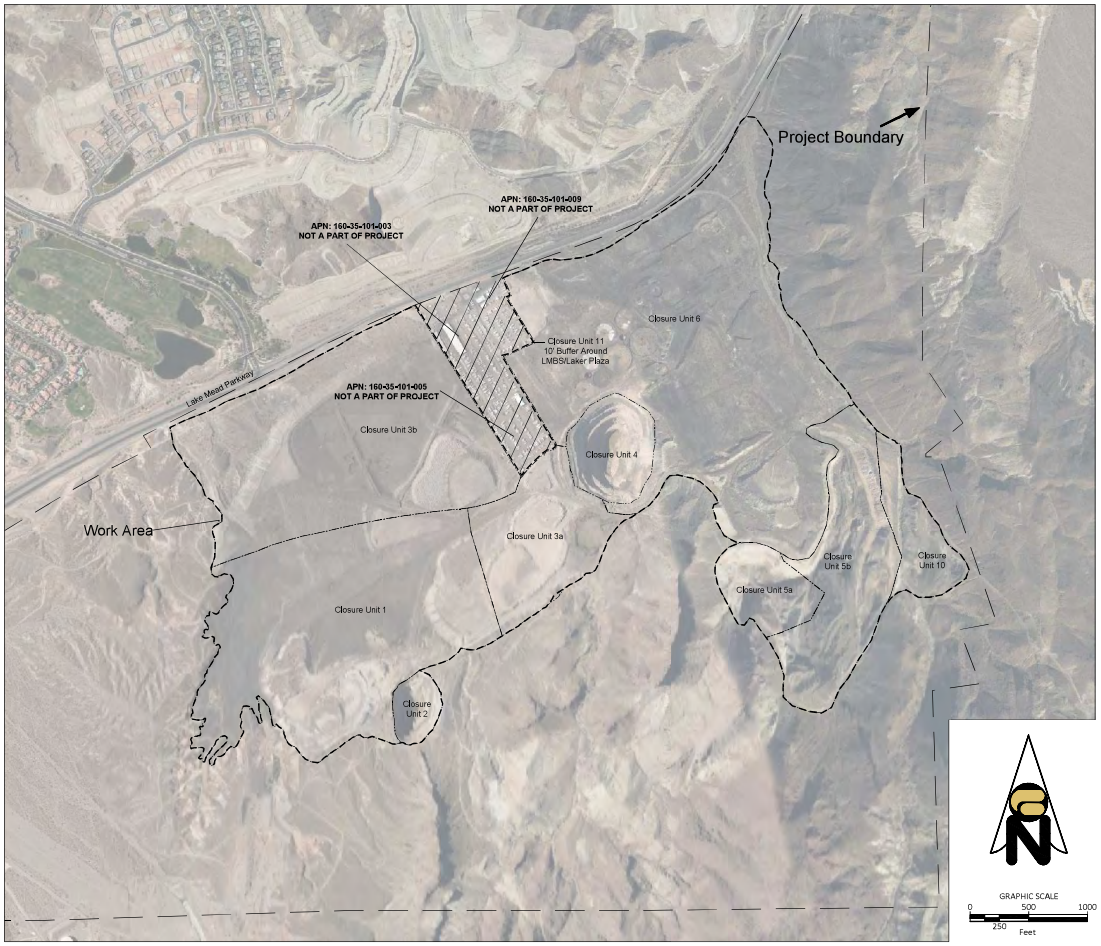

REV	DATE	BY	DESCRIPTION

LAKEMOOR VENTURES, LLC
921 AMERICAN PACIFIC DRIVE, SUITE 305
HENDERSON, NV 89014

BROADBENT
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SCALE: NTS
DESIGNED BY: CAC
DRAWN BY: CP
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COVER SHEET

REMEDIAL DESIGN TO IMPLEMENT CORRECTIVE ACTION PLAN SOIL AND MINE WASTES THREE KIDS MINE

SEAL

Digitally signed by Lonnie Roy
Date: 2024.03.04 17:36:01 -05'00'

FIGURE G-1
1 OF 23 SHEETS

November 27, 2023 Z:\JOBS\2014\14-01-156 3 KIDS MINE\DRAWINGS\COVER SHEET AND NOTES FIGURES 5-18-23.DWG

REMEDIAL DESIGN REPORT
BROADBENT & ASSOCIATES, DATE _____

CONTROLLING DOCUMENTS AND PERMITS

1. CORRECTIVE ACTION PLAN – SOIL AND MINE WASTES, REVISION 1, THREE KIDS MINE, LAKEMOOR VENTURES LLC, OCTOBER 5, 2022, BROADBENT & ASSOCIATES/EA ENGINEERING.
2. GEOTECHNICAL REPORT FOR FORMER THREE KIDS MINE SITE, CENTURION CONSULTANTS, JOB NUMBER 22004 AUGUST 19, 2022 (SEALED 3/8/23).
3. UPDATED PHASE I ENVIRONMENTAL SITE ASSESSMENT, THREE KIDS MINE AND MILL SITE, BROADBENT & ASSOCIATES, INC., MARCH 12, 2021.
4. ASBESTOS SURVEY REPORT – REVISION 2, FORMER THREE KIDS MINE FACILITY, FACILITY, BROADBENT & ASSOCIATES, INC., APRIL 6, 2022.

DEMOLITION PLAN

1. ABATEMENT OF RACM AT THE SITE WILL BE PERFORMED BY AN ASBESTOS ABATEMENT CONTRACTOR LICENSED IN THE STATE OF NEVADA. BASED ON THE NATURE OF THE RACM PRESENT AT THE SITE, VISUAL INSPECTIONS PERFORMED IN ACCORDANCE WITH NAC 618.956(2)(A) APPEAR TO BE A SUFFICIENT METHODOLOGY TO EVALUATE THE SUCCESSFUL REMOVAL OF THE RACM. HOWEVER, TO FURTHER ENSURE IMPACTS TO THE SITE FROM RACM ARE ADEQUATELY ADDRESSED, SOIL BELOW AREAS WITH MORE THAN JUST SPORADIC RACM DEBRIS WILL BE SCRAPED DOWN TO TWO INCHES BLS, PLACED IN A BIN, AND DISPOSED OFFSITE TO ADDRESS THE POTENTIAL FOR ASBESTOS FIBERS TO BE PRESENT IN SOIL. AREAS WHERE SOIL REMOVAL IS ANTICIPATED INCLUDE VARIOUS DEBRIS PILES, THE WEST DUMP, AND PORTIONS OF THE FLOTATION CIRCUIT AREA.
2. SPECIAL WASTES (HAZARDOUS OR LIQUID WASTES) SHALL BE INVENTORIED, PROPERLY PROFILED, AND TRANSPORTED OFFSITE FOR DISPOSAL.
3. MUNICIPAL WASTE WILL BE TRANSPORTED OFFSITE FOR DISPOSAL AT A STATE OF NEVADA PERMITTED FACILITY. MUNICIPAL WASTE EXISTING WITHIN THE EXISTING PITS WILL NOT BE REMOVED.
4. MINE STRUCTURES (CONCRETE) WILL BE DEMOLISHED AND DISPOSED ON ONSITE AS DEEP FILL IN THE A–B PIT, HYDRO PIT, AND HULIN PIT. OTHER CONSTRUCTION MATERIALS (WOOD, METAL, AND BUILDING DEBRIS) WILL BE SEPARATED AND TRANSPORTED OFFSITE FOR DISPOSAL.
5. BUNKER FUEL THAT MAY EXIST AT THE FORMER FUEL AREA WILL BE MIXED WITH SOIL UNTIL SOLID, CHARACTERIZED, AND DISPOSED OF OFF SITE AT A STATE OF NEVADA PERMITTED FACILITY.
6. IF LIQUIDS ARE FOUND, THEY WILL BE VACUUMED OUT AND CONTAINERIZED, CHARACTERIZED, AND DISPOSED OF OFFSITE AT A STATE OF NEVADA PERMITTED FACILITY.

GEOTECHNICAL NOTES

1. ALL GRADING SHALL CONFORM TO THE GEOTECHNICIAN REPORT:

   ENGINEER: CENTURION CONSULTANTS

   DATE: AUGUST 19, 2022 (SEALED MARCH 8, 2023)

   JOB NUMBER: 22004
2. THE PIT FILLING OPERATION SHALL BE MONITORED BY A CONTINUOUS BASIS BY A THIRD–PARTY INSPECTOR WITH A G–B DESIGNATION BY THE CLARK COUNTY BUILDING DEPARTMENT.

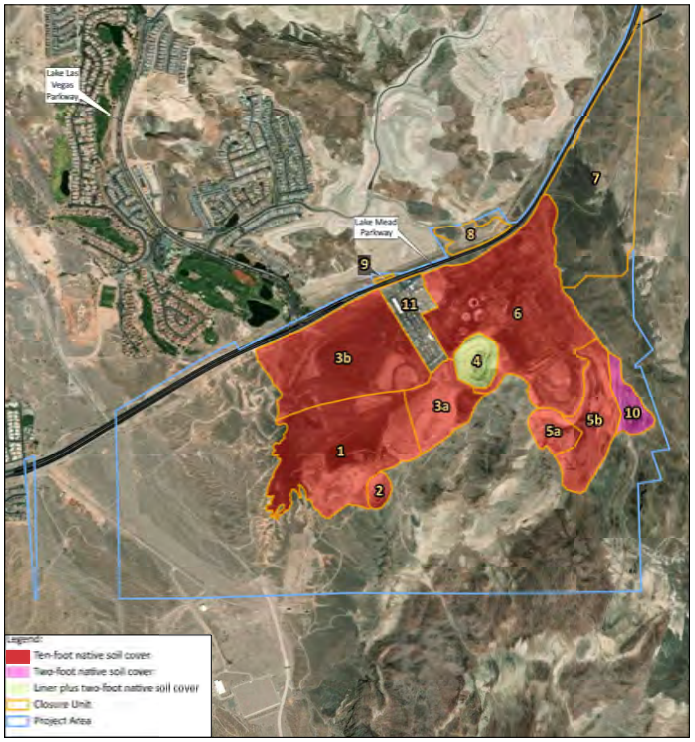
STANDARD GENERAL NOTES

1. ALL CONSTRUCTION SHALL CONFORM TO THE UNIFORM STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION, OFFSITE IMPROVEMENTS, CLARK COUNTY AREA, NEVADA, (CURRENT EDITION), AND THE UNIFORM STANDARD DRAWINGS FOR PUBLIC WORKS CONSTRUCTION, OFFSITE IMPROVEMENTS, CLARK COUNTY AREA, NEVADA, (CURRENT EDITION).
2. APPLICATION FOR INSPECTION BY THE CITY OF HENDERSON PUBLIC WORKS SHALL BE MADE BY THE CONTRACTOR AT LEAST 24 HOURS BEFORE THE INSPECTION SERVICES WILL BE REQUIRED, 267–3144.
3. WORK IN PUBLIC STREETS, ONCE BEGUN, SHALL BE PROSECUTED TO COMPLETION WITHOUT DELAY SO AS TO PROVIDE MINIMUM INCONVENIENCE TO ADJACENT PROPERTY OWNERS AND TO THE TRAVELING PUBLIC.
4. THE CONTRACTOR SHALL TAKE ALL NECESSARY AND PROPER PRECAUTIONS TO PROTECT ADJACENT PROPERTIES FROM ANY AND ALL DAMAGE THAT MAY OCCUR FROM STORM WATER RUNOFF AND/OR DEPOSITION OF DEBRIS RESULTING FROM ANY AND ALL WORK IN CONNECTION WITH SUBDIVISION CONSTRUCTION.
5. PRIOR TO FINAL ACCEPTANCE, BOND RELEASES, AND A CERTIFICATE OF OCCUPANCY, A CERTIFIED LEGIBLE AS–BUILT DRAWING MUST BE SUBMITTED TO THE CITY OF HENDERSON. AS–BUILT MUST SHOW ALL CHANGES AND ACTUAL FIELD LOCATIONS. IN THE ABSENCE OF CHANGES, A COPY OF APPROVED DRAWINGS WILL BE REQUIRED STATING "INSTALLED AS PER DRAWINGS" AND CERTIFIED AS SUCH BY THE DEVELOPER'S ENGINEER.
6. CONTRACTOR SHALL PROVIDE ALL NECESSARY HORIZONTAL AND VERTICAL TRANSITION BETWEEN NEW CONSTRUCTION AND EXISTING SURFACES TO PROVIDE FOR PROPER DRAINAGE AND OF INGRESS AND EGRESS TO SAID CONSTRUCTION. THE EXTENT OF TRANSITIONS IS TO BE DETERMINED BY THE CITY ENGINEER.
7. EXISTING UTILITIES ARE LOCATED ON PLANS FOR THE CONVENIENCE OF THE CONTRACTOR ONLY. THE CONTRACTOR SHALL BEAR FULL RESPONSIBILITY FOR THE PROTECTION OF UTILITIES AND THE ENGINEER BEARS NO RESPONSIBILITY FOR UTILITIES NOT SHOWN ON THE PLANS OR NOT IN THE LOCATION SHOWN ON THE PLANS. THIS INCLUDES ALL SERVICE LATERALS OF ANY KIND.
8. POWER POLES AND/OR OTHER EXISTING FACILITIES NOT IN PROPER LOCATION BASED ON PROPOSED IMPROVEMENTS SHOWN HEREON WILL BE RELOCATED AT NO EXPENSE TO THE CITY OF HENDERSON.
9. EARTHWORK SHALL BE PERFORMED IN ACCORDANCE WITH THE GEOTECHNICAL REPORT.
10. PROTECTION AND REPLACEMENT OF SURVEY MONUMENTS OR PROPERTY STAKES NOT DELINEATED ON THE CONTRACT DRAWINGS SHALL BE THE CONTRACTOR'S RESPONSIBILITY. REPLACEMENT OF SURVEY MONUMENTS OR PROPERTY STAKES SHALL BE DONE TO THE CITY OF HENDERSON SURVEY DIVISION'S SATISFACTION AND AT NO COST TO THE CITY OF HENDERSON.
11. AFFECTED UTILITY COMPANIES SHALL BE NOTIFIED AT LEAST TWO (2) WORKING DAYS PRIOR TO COMMENCEMENT OF CONSTRUCTION.
12. CALL BEFORE YOU DIG, 1–800–227–2600.
13. MODIFICATIONS TO EXISTING UTILITIES SHALL CONFORM TO THE OWNER'S UTILITY STANDARDS AND SPECIFICATIONS.
14. THE CONTRACTOR SHALL TAKE REASONABLE MEASURES TO PROTECT EXISTING IMPROVEMENTS FROM DAMAGE AND ALL SUCH IMPROVEMENTS DAMAGED BY THE CONTRACTOR'S OPERATION SHALL BE REPAIRED OR RECONSTRUCTED TO THE ENGINEER'S SATISFACTION AT THE EXPENSE OF THE CONTRACTOR.
15. IF SEWER OR WATER LINES WITHIN THE PUBLIC UTILITY EASEMENTS REQUIRE REPAIRS, ALL SUCH REPAIRS WILL BE DONE IN ACCORDANCE WITH THE CITY OF HENDERSON'S UTILITY DEPARTMENT STANDARDS.
16. IF SIGNS ARE PRESENT ON THIS CONSTRUCTION SITE, PLEASE CONTACT THE SIGN COMPANY LISTED ON THE SIGN 24 HOURS PRIOR TO COMMENCING CONSTRUCTION IN THE SIGN'S LOCATION. CITY OWNED AND CITY SPONSORED SIGNS (KIOSKS) SHALL BE REMOVED AND REPLACED FOLLOWING CONSTRUCTION IN THEIR ORIGINAL LOCATION IN LIKE–NEW CONDITION AT CONSTRUCTION CONTRACTOR'S EXPENSE. ANY CONTRACTOR HAVING TO REMOVE A SIGN, WHICH WAS DAMAGED PRIOR TO THE CONTRACTOR OCCUPYING THE SITE, SHALL ARRANGE FOR VERIFICATION OF THE SIGN'S CONDITION BY A CITY INSPECTOR PRIOR TO REMOVAL. ALL SIGNS NOT PREVIOUSLY VERIFIED BY A CITY INSPECTOR SHALL BE ASSUMED TO BE IN LIKE–NEW CONDITION PRIOR TO REMOVAL.
17. STANDARDS FOR ANALYSIS AND DESIGN OF STORM DRAINAGE FACILITIES WILL CONFORM TO CLARK COUNTY REGIONAL FLOOD CONTROL DISTRICT'S HYDROLOGIC CRITERIA AND DRAINAGE DESIGN MANUAL.

FIGURE DESCRIPTIONS

1. G–4,5,6 – EXISTING TOPOGRAPHY WITHIN PROPERTY BOUNDARY – EXISTING TOPOGRAPHY WITH FLIGHT DATE OF JUNE 14, 2007.
2. G–7,8,9 – PROPOSED REMEDIATION GRADING PLAN – EXCAVATION OF THE AREAS TARGETED FOR REMEDIATION DOWN TO THE 1917 TOPOGRAPHY, BEFORE MINING ACTIVITIES COMMENCED AT THE SITE, INCLUDING TAILINGS, THE ORE YARD, SURFACE SCRAPINGS FROM THE MILL AREA, AND SOME WASTE ROCK OUTSIDE THE CENTRAL VALLEY AREA.
3. G–10,11,12 – FINAL EXCAVATION GRADING PLAN – THE FINAL FOOTPRINT OF THE EXCAVATION ACTIVITIES INCLUDING ADDITIONAL EXCAVATION REQUIRED BEYOND THE PROPOSED REMEDIATION PLAN TO ALLOW FOR 10 FEET OF COVER.
4. G–13,14 – LAKER PLAZA AND LAKE MEAD BOAT STORAGE PROFILES – THE GRADING REQUIRED AT THE PERIMETER OF THE LF AND LMBS PARCELS TO MATCH THE FINAL EXCAVATION PLAN AND THE FINAL GRADING PLAN.
5. G–15,16,17 – HYDRO PIT LINER, FINAL GRADING PLAN, AND DETAILS – LINER DESIGN AND SUBDRAIN SYSTEM PROVIDED.
6. G–18,19,20 – INTERIM GRADING PLAN – FINAL GRADING PLAN OF THE DEVELOPMENT LOWERED BY 10 FEET.
7. G–21,22,23 – FINAL GRADING PLAN – FINAL GRADING PLAN OF THE DEVELOPMENT, INCLUDING 10 FEET OF NATIVE SOIL COVER.

10–FOOT COVER



BROADBENT

REV	DATE	BY	DESCRIPTION

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SCALE: NTS
DESIGNED BY: CAC
DRAWN BY: CP
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NOTES

REMEDIAL DESIGN TO IMPLEMENT CORRECTIVE ACTION PLAN SOIL AND MINE WASTES THREE KIDS MINE

SEAL

Digitally signed by Lonnie Roy
Date: 2024.03.04 15:58:44 -05'00'

FIGURE
G-2
2 OF 23 SHEETS

February 22, 2024 Z:\JOBS\2014\14-01-156 3 KIDS MINE\DRAWINGS\COVER SHEET AND NOTES FIGURES 11-30-23.DWG

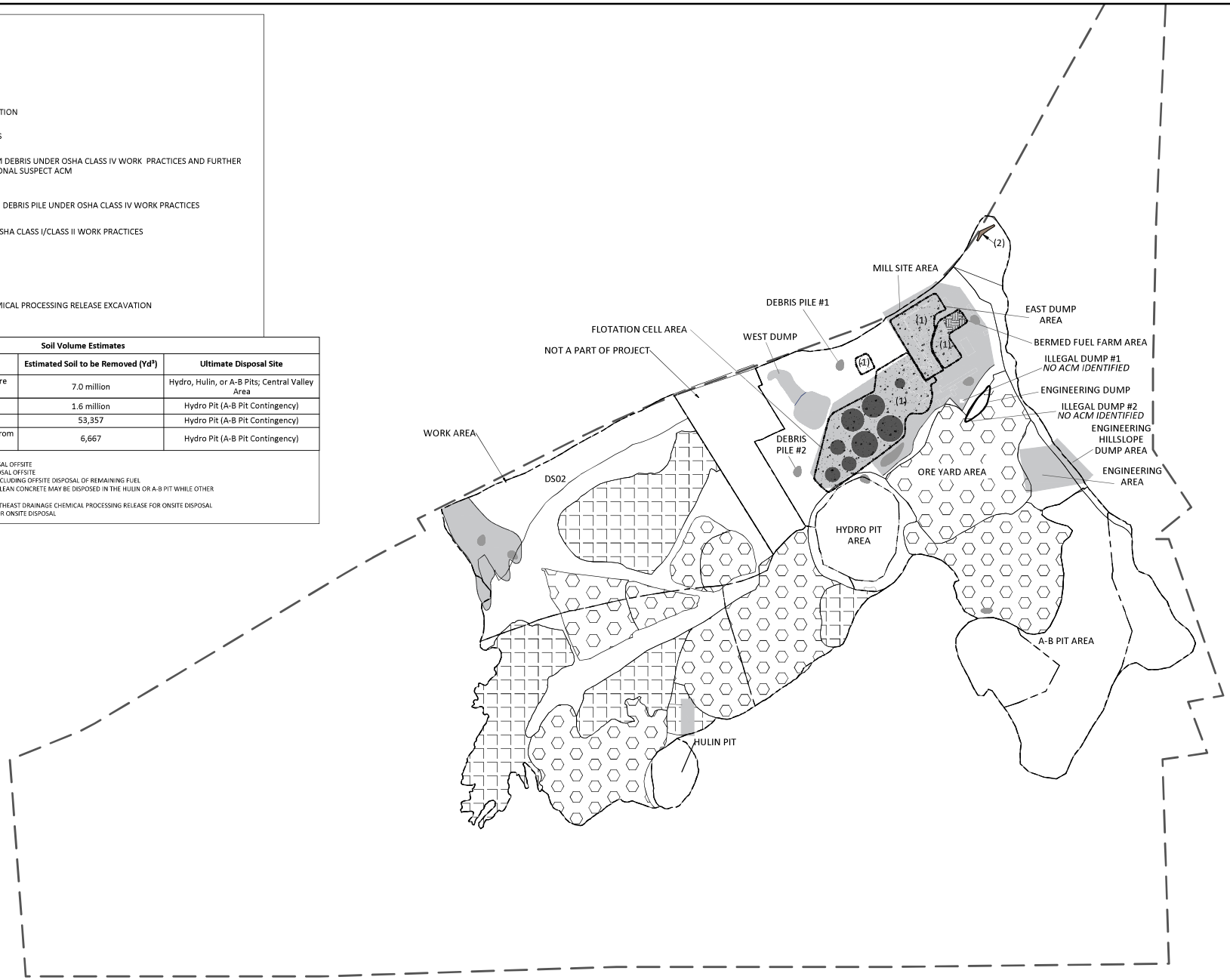
LEGEND

- PROJECT BOUNDARY
- TAILINGS
- WASTE ROCK EXCAVATION
- PAH-IMPACTED SOIL EXCAVATION
- CLARIFIERS AND STRUCTURES
- ABATE SPORADIC ACM/RACM DEBRIS UNDER OSHA CLASS IV WORK PRACTICES AND FURTHER EVALUATE AREA FOR ADDITIONAL SUSPECT ACM
- ABATE ISOLATED ACM/RACM DEBRIS PILE UNDER OSHA CLASS IV WORK PRACTICES
- ABATE ACM/RACM UNDER OSHA CLASS I/CLASS II WORK PRACTICES
- BERMED FUEL FARM AREA
- PROJECT WORK AREA
- NORTHEAST DRAINAGE CHEMICAL PROCESSING RELEASE EXCAVATION
- CLOSURE UNIT

Soil Volume Estimates

Excavation Area ID	Area Description	Estimated Soil to be Removed (Yd^3)	Ultimate Disposal Site
-	Waste Rock (including Ore Yard Area)	7.0 million	Hydro, Hulin, or A-B Pits; Central Valley Area
-	Tailings	1.6 million	Hydro Pit (A-B Pit Contingency)
1	PAH-Impacted Soil	53,357	Hydro Pit (A-B Pit Contingency)
2	Process Solution Release from Northeast Drainage	6,667	Hydro Pit (A-B Pit Contingency)

DEMOLITION SEQUENCE
1. ASBESTOS ABATEMENT, REMOVAL, AND DISPOSAL OFFSITE
2. MUNICIPAL WASTE CONSOLIDATION AND DISPOSAL OFFSITE
3. DEMOLITION OF SUMPS WITH BUNKER FUEL, INCLUDING OFFSITE DISPOSAL OF REMAINING FUEL
4. DEMOLITION OF FORMER MINE STRUCTURES (CLEAN CONCRETE MAY BE DISPOSED IN THE HULIN OR A-B PIT WHILE OTHER MATERIAL WILL BE DISPOSED OFFSITE)
5. EXCAVATION OF PAH IMPACTED SOIL AND NORTHEAST DRAINAGE CHEMICAL PROCESSING RELEASE FOR ONSITE DISPOSAL
6. EXCAVATION OF TAILINGS AND WASTE ROCK FOR ONSITE DISPOSAL



GRAPHIC SCALE
0 400 800
200 Feet

February 27, 2024 Z:\JOBS\2014\14-01-156 3 KIDS MINE\DRAWINGS\DEMOLITION PLAN 11-30-23.DWG

REV	DATE	BY	DESCRIPTION

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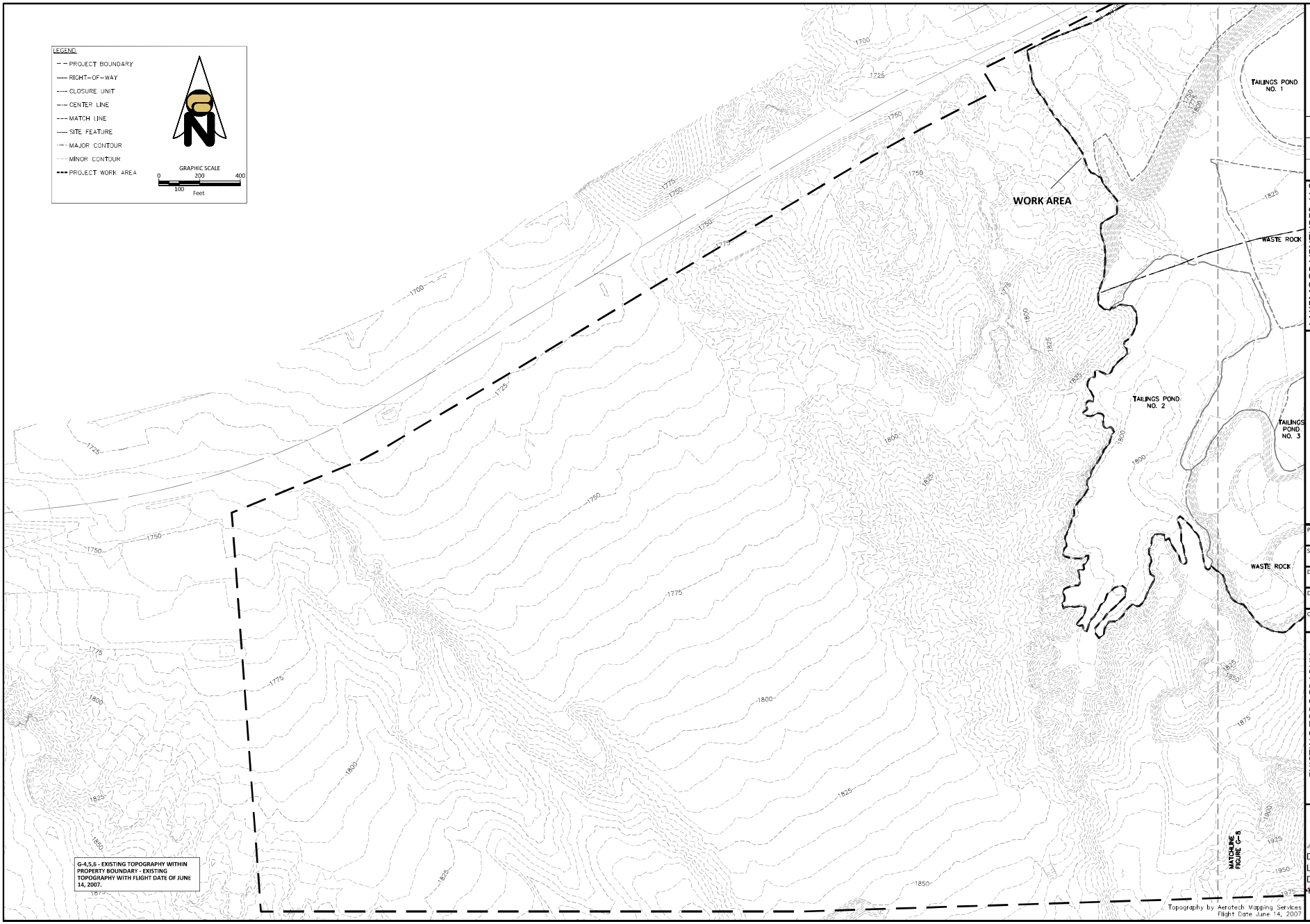
DEMOLITION PLAN

REMEDIAL DESIGN TO IMPLEMENT CORRECTIVE ACTION PLAN SOIL AND WASTES THREE KIDS MINE

SEAL
Digitally signed by Lonnie Roy
Date: 2024.03.04 17:34:45 -05'00'

FIGURE G-3
3 OF 23 SHEETS



G-4,5,6 - EXISTING TOPOGRAPHY WITHIN PROPERTY BOUNDARY - EXISTING TOPOGRAPHY WITH FLIGHT DATE OF JUNE 14, 2007.

REV	DATE	BY	DESCRIPTION

LAKEMOOR VENTURES, LLC
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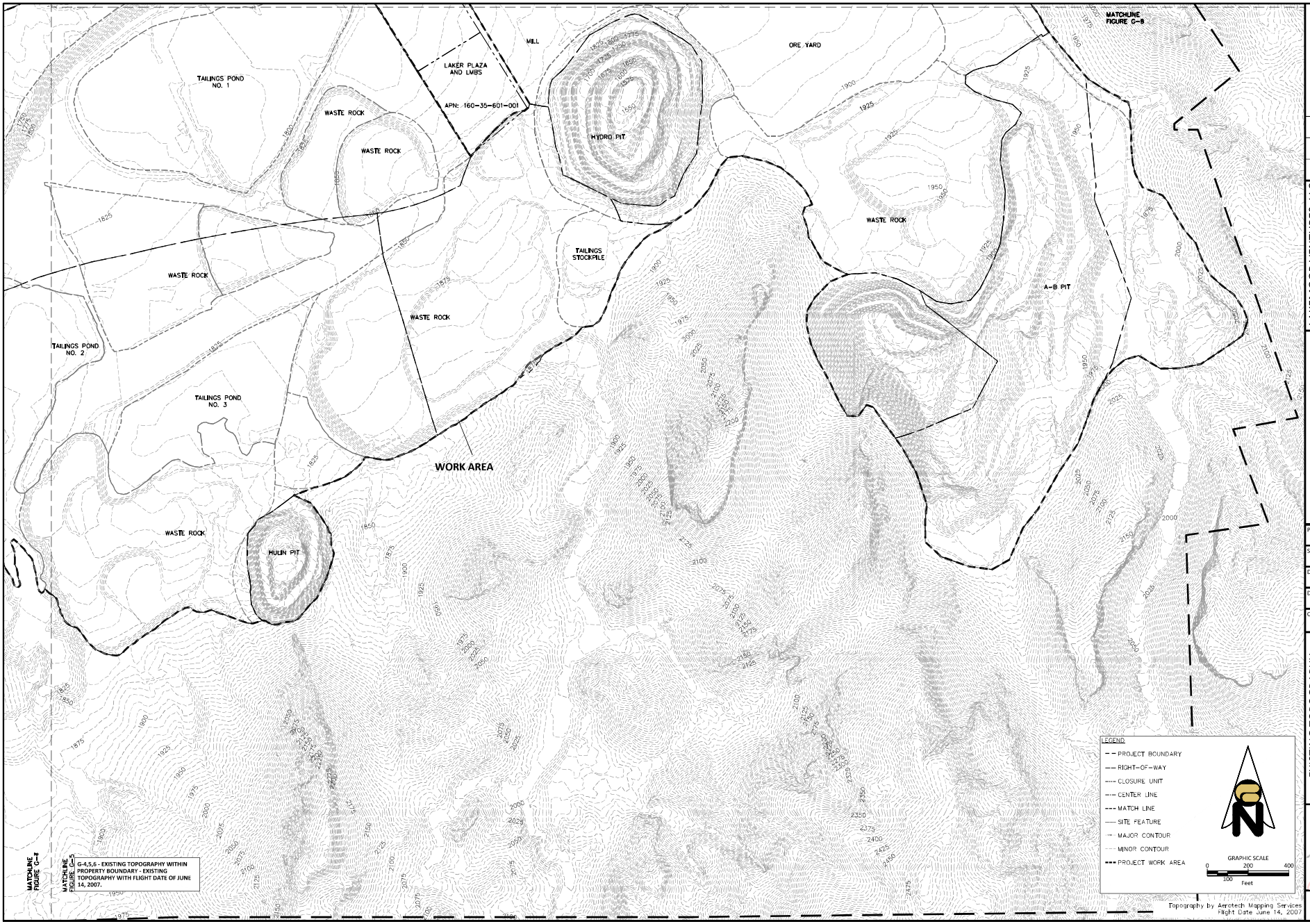
EXISTING TOPOGRAPHY WITHIN PROPERTY BOUNDARY

REMEDIAL DESIGN TO IMPLEMENT CORRECTIVE ACTION PLAN SOIL AND MINE WASTES THREE KIDS MINE

Digitally signed by Lonnie Roy
Date: 2024.03.04 17:33:25 -08'00'

FIGURE G-4
4 OF 23 SHEETS

February 22, 2024 Z:\OBS\2014\14-01-156 3 KIDS MINE\DRAWINGS\BACKGROUND AND BASE WITH PARCELS 11-30-23.DWG



G-4,5,6 - EXISTING TOPOGRAPHY WITHIN PROPERTY BOUNDARY - EXISTING TOPOGRAPHY WITH FLIGHT DATE OF JUNE 14, 2007.

Topography by Aerotech Mapping Services
Flight Date June 14, 2007

February 22, 2024 Z:\OBS\2014\14-01-156 3 KIDS MINE\DRAWINGS\BACKGROUND AND BASE WITH PARCELS 11-30-23.DWG

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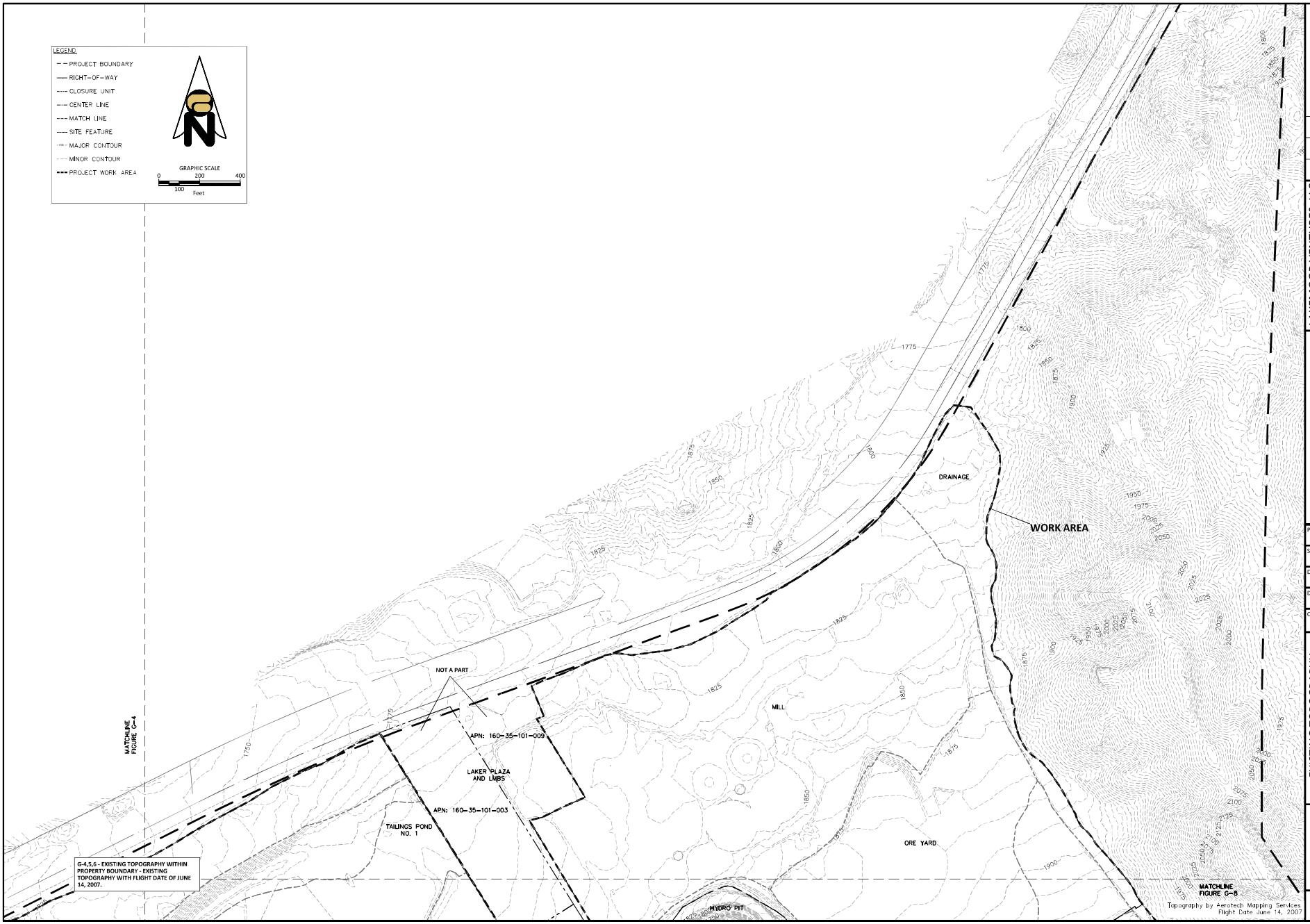
EXISTING TOPOGRAPHY WITHIN PROPERTY BOUNDARY

REMEDIAL DESIGN TO IMPLEMENT CORRECTIVE ACTION PLAN
SOIL AND MINE WASTES
THREE KIDS MINE

SEAL
Digitally signed by Lonnie Roy
Date: 2024.03.04 17:32:13 -05'00'

FIGURE G-5
5 OF 23 SHEETS



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EXISTING TOPOGRAPHY WITHIN PROPERTY BOUNDARY

REMEDIAL DESIGN TO IMPLEMENT CORRECTIVE ACTION PLAN SOIL AND MINE WASTES THREE KIDS MINE

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FIGURE G-6
6 OF 23 SHEETS

February 22, 2024 Z:\JOBS\2014\14-01-156 3 KIDS MINE\DRAWINGS\BACKGROUND AND BASE WITH PARCELS 11-30-23.DWG

G-7,8,9 - PROPOSED REMEDIATION GRADING PLAN - EXCAVATION OF THE AREAS TARGETED FOR REMEDIATION DOWN TO THE 1917 TOPOGRAPHY, BEFORE MINING ACTIVITIES COMMENCED AT THE SITE, INCLUDING TAILINGS, THE ORE YARD, SURFACE SCRAPINGS FROM THE MILL AREA, AND SOME WASTE ROCK OUTSIDE THE CENTRAL VALLEY AREA.

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DRAWN BY: CAC
CHECKED BY: LCR

PROPOSED REMEDIATION GRADING PLAN

REMEDIAL DESIGN TO IMPLEMENT CORRECTIVE ACTION PLAN
SOIL AND MINE WASTES
THREE KIDS MINE

SEAL

Digitally signed by Lonnie Roy
Date: 2024.03.04 17:29:38 -05'00'

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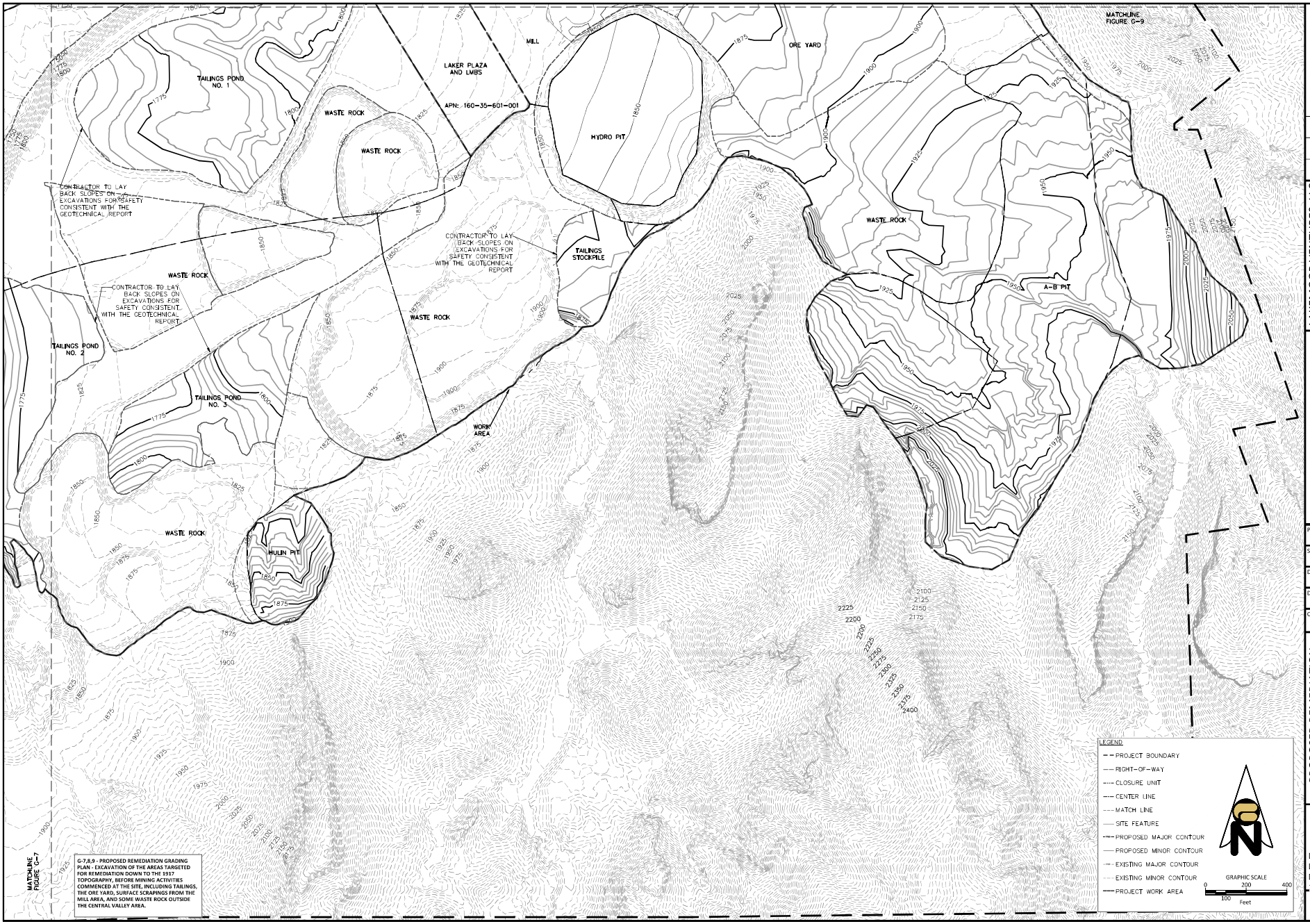

G-7,8,9 - PROPOSED REMEDIATION GRADING PLAN - EXCAVATION OF THE AREAS TARGETED FOR REMEDIATION DOWN TO THE 1917 TOPOGRAPHY, BEFORE MINING ACTIVITIES COMMENCED AT THE SITE, INCLUDING TAILINGS, THE ORE YARD, SURFACE SCRAPINGS FROM THE MILL AREA, AND SOME WASTE ROCK OUTSIDE THE CENTRAL VALLEY AREA.

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PROPOSED REMEDIATION GRADING PLAN

REMEDIAL DESIGN TO IMPLEMENT CORRECTIVE ACTION PLAN
SOIL AND MINE WASTES
THREE KIDS MINE

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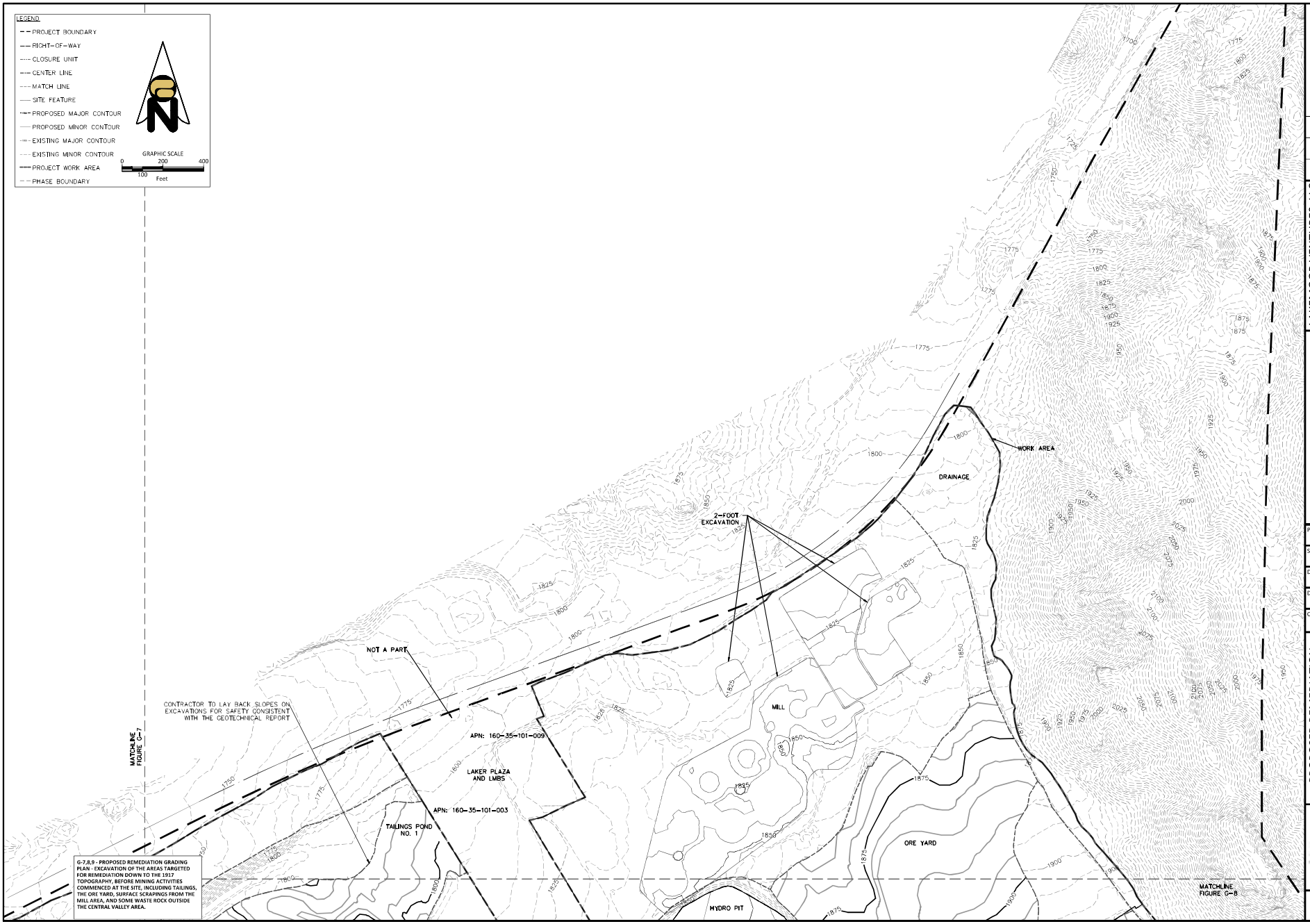
FIGURE G-8
8 OF 23 SHEETS



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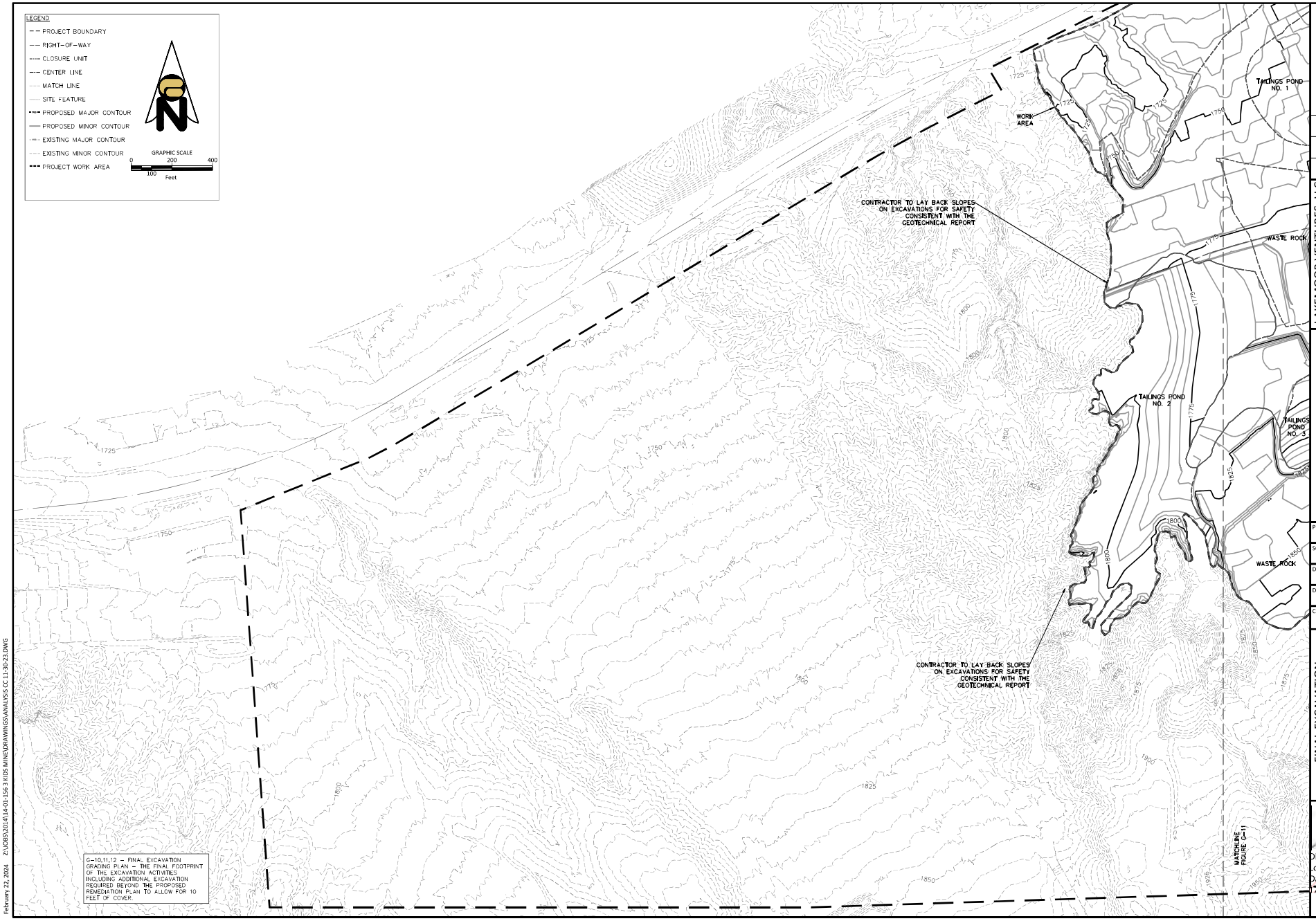
PROPOSED REMEDIATION GRADING PLAN

REMEDIAL DESIGN TO IMPLEMENT CORRECTIVE ACTION PLAN
SOIL AND MINE WASTES
THREE KIDS MINE

SEAL
Digitally signed by Lonnie Roy
Date: 2024.03.04 17:27:00 -05'00'

FIGURE G-9
9 OF 23 SHEETS

February 22, 2024 Z:\OBS\2014\14-01-156 3 KIDS MINE\DRAWINGS\WASTE ROCK AND TAILINGS 11-30-23.DWG



REV	DATE	BY	DESCRIPTION

LAKEMOOR VENTURES, LLC
921 AMERICAN PACIFIC DRIVE,
SUITE 305
HENDERSON, NV 89014

BROADBENT
8 WEST PACIFIC AVENUE
HENDERSON, NEVADA 89015
(702) 563-0600 (P) ● (702) 563-0610 (F)

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PROJECT NUMBER: 14-01-156
SCALE: 1"=200'
DESIGNED BY: CAC
DRAWN BY: CAC
CHECKED BY: LCR

FINAL EXCAVATION GRADING PLAN

REMEDIAL DESIGN TO IMPLEMENT
CORRECTIVE ACTION PLAN
SOIL AND MINE WASTES
THREE KIDS MINE

SEAL

Digitally signed by Lonnie Roy
Date: 2024.03.04 17:25:47 -08'00'

FIGURE
G-10
10 OF 23 SHEETS

February 22, 2024 Z:\DBS\2014\14-01-156 3 KIDS MINE\DRAWINGS\ANALYSIS CC 11-30-23.DWG

G-10,11,12 - FINAL EXCAVATION GRADING PLAN - THE FINAL FOOTPRINT OF THE EXCAVATION ACTIVITIES INCLUDING ADDITIONAL EXCAVATION REQUIRED BEYOND THE PROPOSED REMEDIATION PLAN TO ALLOW FOR 10 FEET OF COVER.

REV	DATE	BY	DESCRIPTION

LAKEMOOR VENTURES, LLC
921 AMERICAN PACIFIC DRIVE, SUITE 305
HENDERSON, NV 89014

BROADBENT
8 WEST PACIFIC AVENUE
HENDERSON, NEVADA, 89015
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PROJECT NUMBER: 14-01-156
SCALE: 1"=200'
DESIGNED BY: CAC
DRAWN BY: CAC
CHECKED BY: LCR

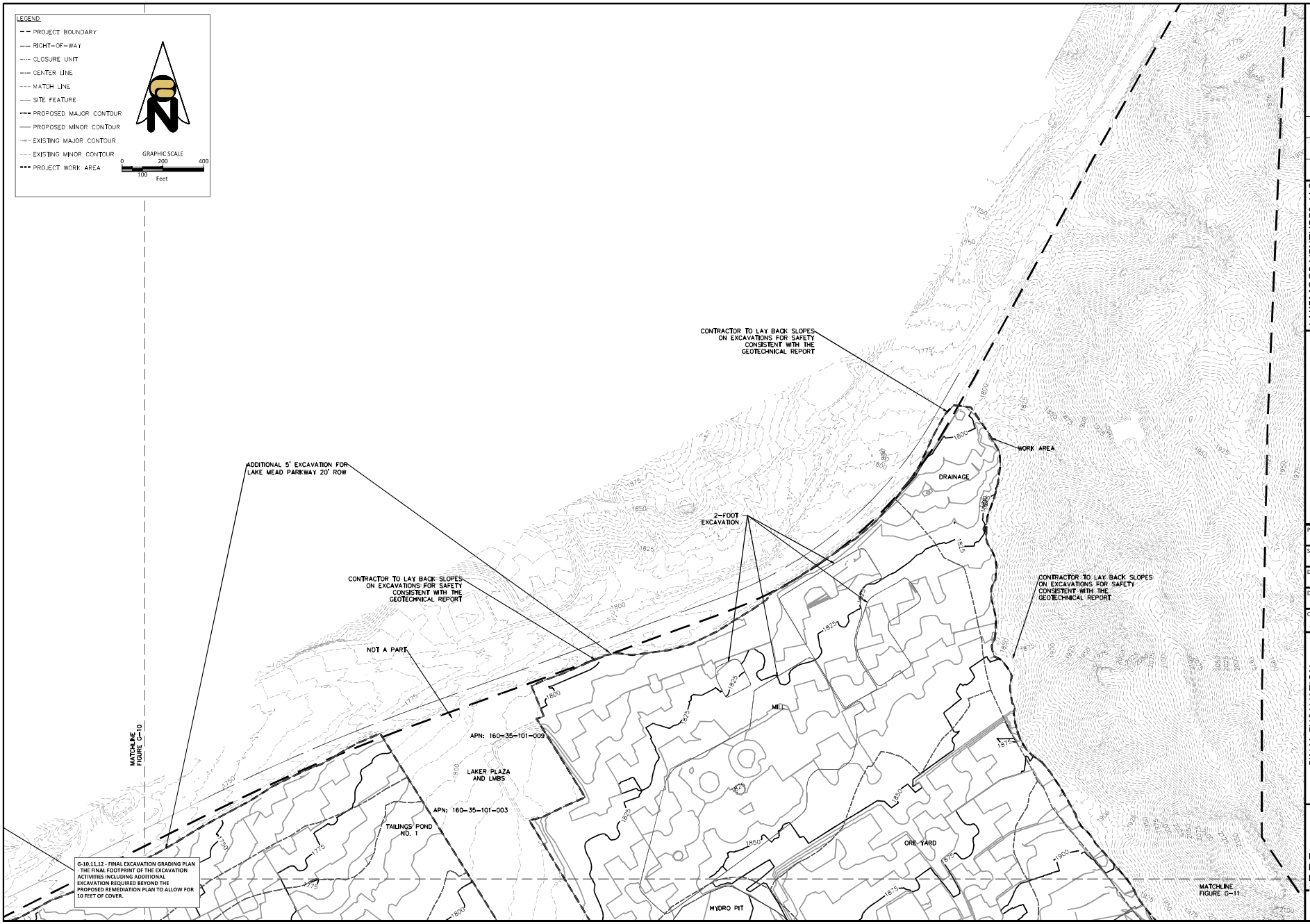
FINAL EXCAVATION GRADING PLAN

REMEDIAL DESIGN TO IMPLEMENT CORRECTIVE ACTION PLAN SOIL AND MINE WASTES THREE KIDS MINE

Digitally signed by Lonnie Roy
Date: 2024.03.04 17:24:42 -05'00'

FIGURE G-11
11 OF 23 SHEETS

February 22, 2024 Z:\OBS\2014\14-01-156 3 KIDS MINE\DRAWINGS\ANALYSIS CC 11-30-23.DWG



REV	DATE	BY	DESCRIPTION

LAKEMOOR VENTURES, LLC
921 AMERICAN PACIFIC DRIVE, SUITE 305
HENDERSON, NV 89014

BROADBENT
8 WEST PACIFIC AVENUE
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PROJECT NUMBER: 14-01-156
SCALE: 1"=200'
DESIGNED BY: CAC
DRAWN BY: CAC
CHECKED BY: LCR

FINAL EXCAVATION GRADING PLAN

REMEDIAL DESIGN TO IMPLEMENT CORRECTIVE ACTION PLAN
SOIL AND MINE WASTES
THREE KIDS MINE

SEAL

Digitally signed by Lonnie Roy
Date: 2024.03.04 17:23:30 -05'00'

FIGURE
G-12
12 OF 23 SHEETS

February 22, 2024 Z:\OBS\2014\14-01-156 3 KIDS MINE\DRAWINGS\ANALYSIS CC 11-30-23.DWG

G-13,14 - LAKER PLAZA AND LAKE MEAD BOAT STORAGE PROFILES - THE GRADING REQUIRED AT THE PERIMETER OF THE LP AND LMBS PARCELS TO MATCH THE FINAL EXCAVATION PLAN AND THE FINAL GRADING PLAN.

February 22, 2024 Z:\OBS\2014\14-01-156 3 KIDS MINE\DRAWINGS\FINAL SURFACE PROFILES 11-30-23.DWG

REV	DATE	BY	DESCRIPTION

LAKEMOOR VENTURES, LLC
921 AMERICAN PACIFIC DRIVE, SUITE 305
HENDERSON, NV 89014

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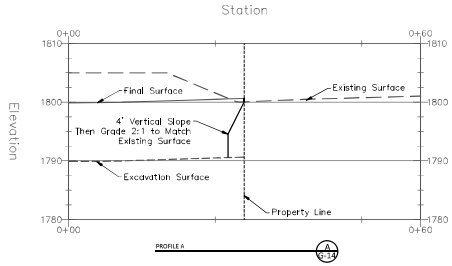
PROJECT NUMBER: 14-01-156
SCALE: 1"=80'
DESIGNED BY: CAC
DRAWN BY: TM
CHECKED BY: CAC

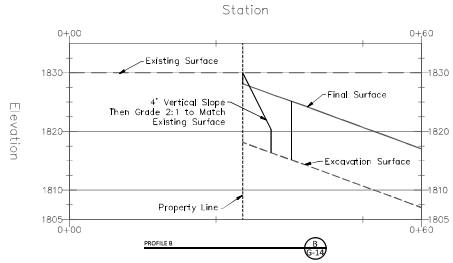
LAKER PLAZA AND LAKE MEAD BOAT STORAGE PROFILES

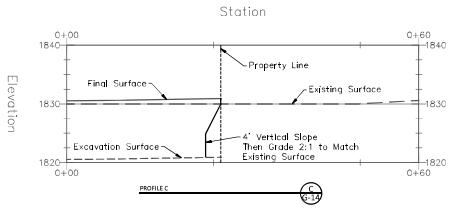
REMEDIAL DESIGN TO IMPLEMENT CORRECTIVE ACTION PLAN SOIL AND MINE WASTES THREE KIDS MINE

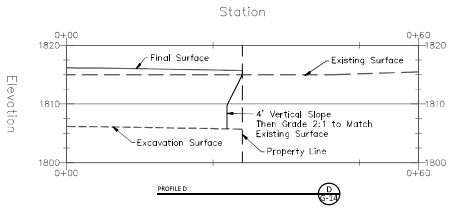
SEAL: Digitally signed by Lonnie Roy Date: 2024.03.04 17:22:23 -05'00'

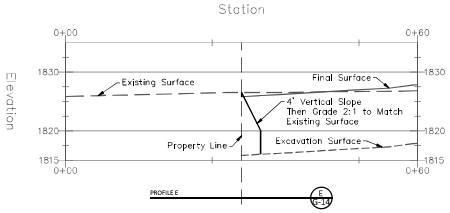
FIGURE G-13
13 OF 23 SHEETS

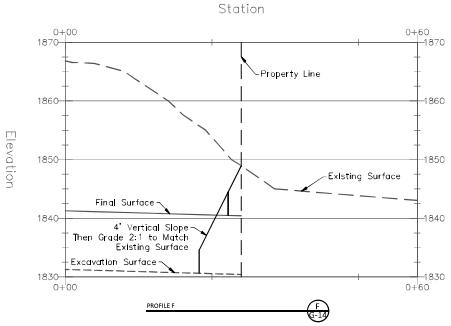












G-13,14 - LAKER PLAZA AND LAKE MEAD BOAT STORAGE PROFILES - THE GRADING REQUIRED AT THE PERIMETER OF THE LP AND LMBS PARCELS TO MATCH THE FINAL EXCAVATION PLAN AND THE FINAL GRADING PLAN.

REV	DATE	BY	DESCRIPTION

LAKEMOOR VENTURES, LLC
921 AMERICAN PACIFIC DRIVE, SUITE 305
HENDERSON, NV 89014

BROADBENT
8 WEST PACIFIC AVENUE
HENDERSON, NEVADA, 89015
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PROJECT NUMBER: 14-01-156
SCALE: NTS
DESIGNED BY: CAC
DRAWN BY: TM
CHECKED BY: CAC

LAKER PLAZA AND LAKE MEAD BOAT STORAGE DETAILS

REMEDIAL DESIGN TO IMPLEMENT CORRECTIVE ACTION PLAN SOIL AND MINE WASTES THREE KIDS MINE

Digitally signed by Lonnie Roy
Date: 2024.03.04 17:21:14 -05'00'

FIGURE
G-14
14 OF 23 SHEETS

November 30, 2023 Z:\JOBS\2014\14-01-156 3 KIDS MINE\DRAWINGS\FINAL SURFACE PROFILE DETAILS 11-30-23.DWG

G-15,16,17 - HYDRO PIT LINER, FINAL GRADING PLAN, AND DETAILS - LINER DESIGN AND SUBDRAIN SYSTEM PROVIDED.

REV	DATE	BY	DESCRIPTION

LAKEMOOR VENTURES, LLC
921 AMERICAN PACIFIC DRIVE, SUITE 305
HENDERSON, NV 89014

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PROJECT NUMBER: 14-01-156
SCALE: 1"=60'
DESIGNED BY: CAC
DRAWN BY: TM
CHECKED BY: CAC

HYDRO PIT LINER

REMEDIAL DESIGN TO IMPLEMENT CORRECTIVE ACTION PLAN SOIL AND MINE WASTES THREE KIDS MINE

Digitally signed by Lonnie Roy
Date: 2024.03.04 17:20:05 -05'00'

FIGURE G-15
15 OF 23 SHEETS

February 22, 2024 Z:\OBS\2014\14-01-156 3 KIDS MINE\DRAWINGS\HYDRO PIT LINER 11-30-23.DWG

G-15,16,17 - HYDRO PIT LINER, FINAL GRADING PLAN, AND DETAILS - LINER DESIGN AND SUBDRAIN SYSTEM PROVIDED.

REV	DATE	BY	DESCRIPTION

LAKEMOOR VENTURES, LLC
921 AMERICAN PACIFIC DRIVE, SUITE 305
HENDERSON, NV 89014

BROADBENT
8 WEST PACIFIC AVENUE
HENDERSON, NEVADA, 89015
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PROJECT NUMBER: 14-01-156
SCALE: 1"=60'
DESIGNED BY: CAC
DRAWN BY: TM
CHECKED BY: CAC

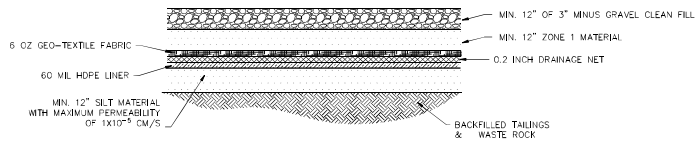
HYDRO PIT FINAL GRADING PLAN

REMEDIAL DESIGN TO IMPLEMENT CORRECTIVE ACTION PLAN
SOIL AND MINE WASTES
THREE KIDS MINE

SEAL
Digitally signed by Lonnie Roy
Date: 2024.03.04 17:18:54 -05'00'

FIGURE
G-16
16 OF 23 SHEETS

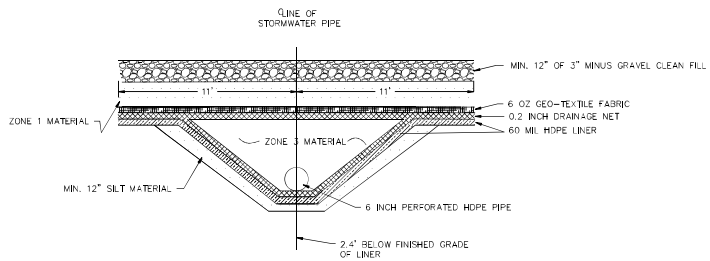
February 22, 2024 Z:\OBS\2014\14-01-156 3 KIDS MINE\DRAWINGS\HYDRO PIT LINER 11-30-23.DWG



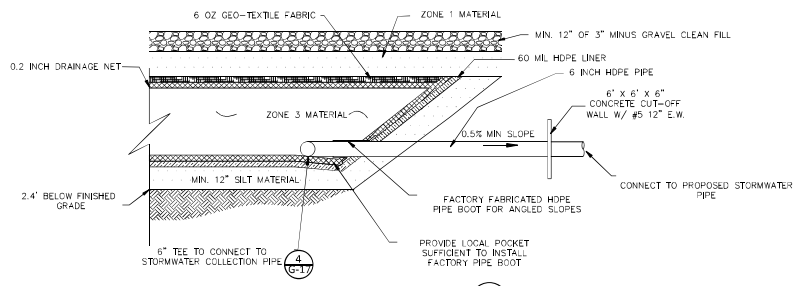
TYPICAL LINING SYSTEM (1 / G-17)
NTS

CONSTRUCTION NOTES

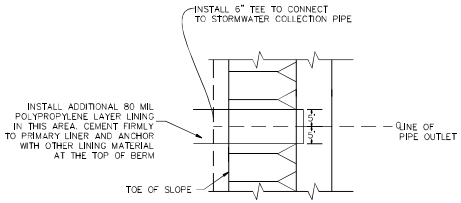
1. ZONE 1 MATERIAL SHALL BE PROCESSED OR NATURAL MATERIAL WITH 100% PASSING A 3/4" SIEVE. NO CRUSHED STONE, PARTICLES MUST BE SUB-ANGULAR TO ROUNDED AND FREE OF ORGANICS AND DEBRIS OF ANY KIND. UNIFORMITY COEFFICIENT OF 1.9 TO 2.4 AND COMPACTED TO 95% PER ASTM D1557.
2. ZONE 3 MATERIAL SHALL BE PROCESSED OR NATURAL MATERIAL WITH 100% PASSING A 3/4" SIEVE AND 100% RETAINED ON THE 3/8" SIEVE. NO CRUSHED STONE, PARTICLES MUST BE SUB-ANGULAR TO ROUNDED AND FREE OF ORGANICS AND DEBRIS OF ANY KIND. UNIFORMITY COEFFICIENT OF 1.9 TO 2.4
3. THE CONTRACTOR SHALL BACKFILL AND FINAL GRADE ALL CUT OR FILL SLOPES TO MATCH EXISTING CONDITIONS TO THE SATISFACTION OF THE ENGINEER.
4. THE CONTRACTOR IS RESPONSIBLE FOR ALL CONSTRUCTION SURVEYING. ANY DEVIATIONS FROM EXISTING GRADES AS SHOWN ON THE PLANS SHALL BE IMMEDIATELY REPORTED TO THE ENGINEER.
5. AREAS OF STOCKPILED MATERIALS WITHIN THE CONSTRUCTION AREA ARE TO BE TREATED IN SUCH A MANNER AS TO PREVENT MOVEMENT OR EROSION RESULTING FROM WIND CONDITIONS OR RAINFALL. THE CONTRACTOR IS TO SWEEP ON A DAILY BASIS ROADWAYS THAT ARE ALONG ITS ROUTES AND IMMEDIATELY CLEAN UP MUD THAT FALLS ON ANY PAVEMENT OUTSIDE OF ITS LIMITS OF CONSTRUCTION OR HAULING ACTIVITIES.
6. SOILS PREPARATION SHALL CONFORM TO THE REQUIREMENTS OF THE GEOTECHNICAL REPORT FOR FORMER THREE KIDS MINE SITE, CENTURY CONSULTANTS, JOB NUMBER 22004 AUGUST 19, 2022.
7. IMPERMEABLE LAYER CONSISTS OF SILT/CLAY MATERIAL WITH A PLACED PERMEABILITY OF NO GREATER THAN 1X10^{-5} CM/S.



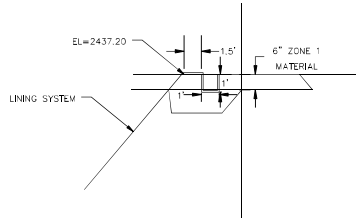
STORMWATER COLLECTION PIPE (2 / G-17)
NTS



STORMWATER OUTLET PIPE (3 / G-17)
NTS



PIPE OUTLET DETAIL (4 / G-17)
NTS



TYPICAL LINING ANCHOR DETAIL (5 / G-17)
NTS

G-15,16,17 - HYDRO PIT LINER, FINAL GRADING PLAN, AND DETAILS - LINER DESIGN AND SUBDRAIN SYSTEM PROVIDED.

REV	DATE	BY	DESCRIPTION

LAKEMOOR VENTURES, LLC
921 AMERICAN PACIFIC DRIVE, SUITE 305
HENDERSON, NV 89014

BROADBENT
8 WEST PACIFIC AVENUE
HENDERSON, NEVADA, 89015
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PROJECT NUMBER: 14-01-156
SCALE: NTS
DESIGNED BY: CAC
DRAWN BY: TM
CHECKED BY: CAC

HYDRO PIT LINER DETAILS

REMEDIAL DESIGN TO IMPLEMENT CORRECTIVE ACTION PLAN SOIL AND MINE WASTES THREE KIDS MINE

Digitally signed by Lonnie Roy
Date: 2024.03.04 17:17:39 -05'00'

FIGURE G-17
17 OF 23 SHEETS

February 22, 2024 Z:\0085\2014\14-01-156 3 KIDS MINE\DRAWINGS\HYDRO PIT LINER 11-30-23.DWG

REV	DATE	BY	DESCRIPTION

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921 AMERICAN PACIFIC DRIVE, SUITE 305
HENDERSON, NV 89014

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SCALE: 1"=200'
DESIGNED BY: CAC
DRAWN BY: TM
CHECKED BY: CAC

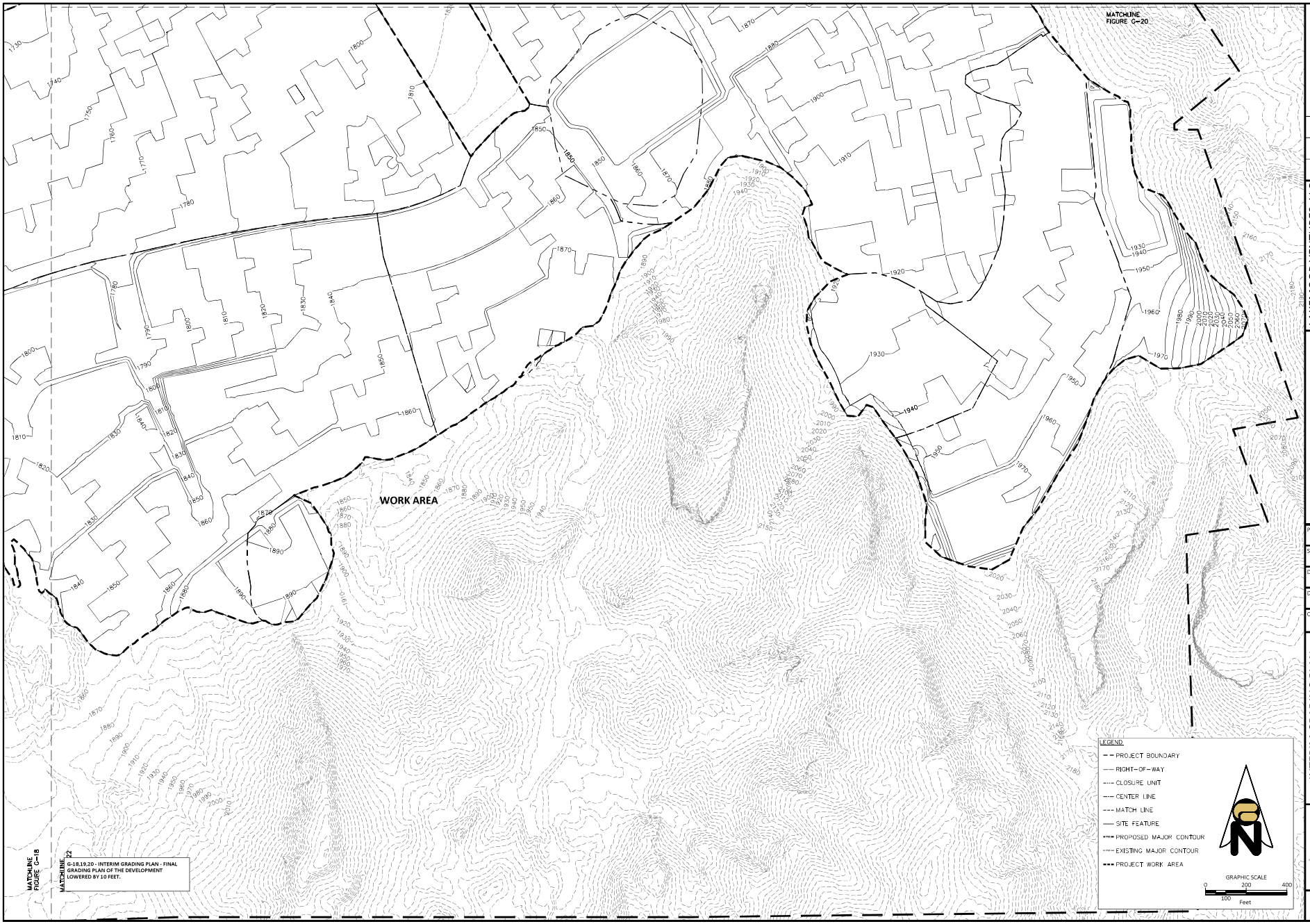
INTERIM GRADING PLAN

REMEDIAL DESIGN TO IMPLEMENT CORRECTIVE ACTION PLAN SOIL AND MINE WASTES THREE KIDS MINE

Digitally signed by Lonnie Roy
Date: 2024.03.04 17:16:30 -05'00'

FIGURE G-18
18 OF 23 SHEETS

March 1, 2024 Z:\OBS\2014\14-01-156 3 KIDS MINE\DRAWINGS\FINAL GRADING PLAN 2-29-24.DWG



REV	DATE	BY	DESCRIPTION

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HENDERSON, NV 89014

BROADBENT
8 WEST PACIFIC AVENUE
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SCALE: 1"=200'
DESIGNED BY: CAC
DRAWN BY: TM
CHECKED BY: CAC

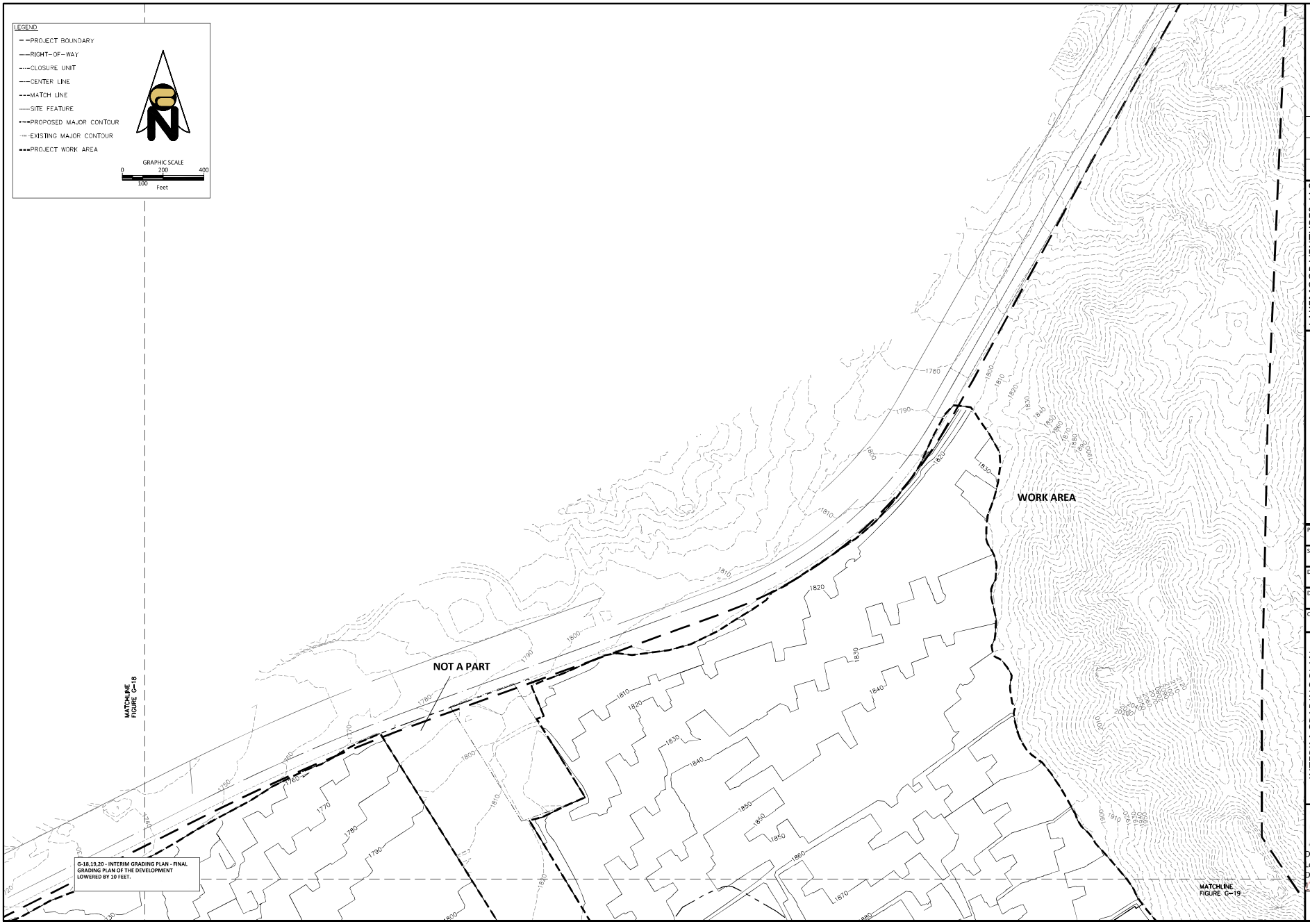
INTERIM GRADING PLAN

REMEDIAL DESIGN TO IMPLEMENT CORRECTIVE ACTION PLAN SOIL AND MINE WASTES THREE KIDS MINE

SEAL
Digitally signed by Lonnie Roy
Date: 2024.03.04 17:15:18 -05'00'

FIGURE G-19
19 OF 23 SHEETS

March 1, 2024 Z:\OBS\2014\14-01-156 3 KIDS MINE\DRAWINGS\FINAL GRADING PLAN 2-29-24.DWG



REV	DATE	BY	DESCRIPTION

LAKEMOOR VENTURES, LLC
921 AMERICAN PACIFIC DRIVE, SUITE 305
HENDERSON, NV 89014

BROADBENT
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DESIGNED BY: CAC
DRAWN BY: TM
CHECKED BY: CAC

INTERIM GRADING PLAN

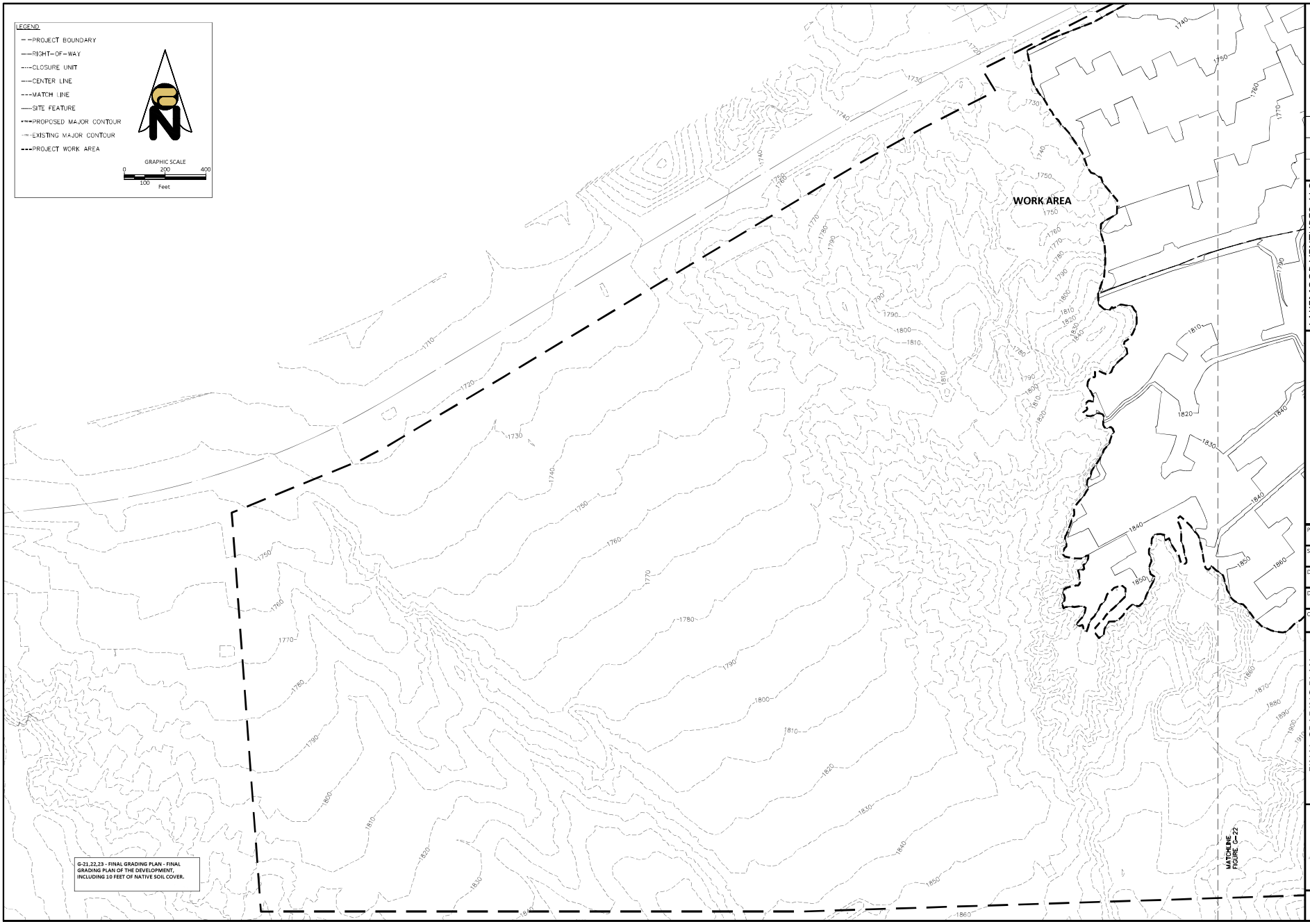
REMEDIAL DESIGN TO IMPLEMENT CORRECTIVE ACTION PLAN SOIL AND MINE WASTES THREE KIDS MINE

SEAL

Digitally signed by Lonnie Roy
Date: 2024.03.04 17:14:07 -05'00'

FIGURE G-20
20 OF 23 SHEETS

March 1, 2024 Z:\OBS\2014\14-01-156 3 KIDS MINE\DRAWINGS\FINAL GRADING PLAN 2-29-24.DWG



REV	DATE	BY	DESCRIPTION

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HENDERSON, NV 89014

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SCALE: 1"=200'
DESIGNED BY: CAC
DRAWN BY: TM
CHECKED BY: CAC

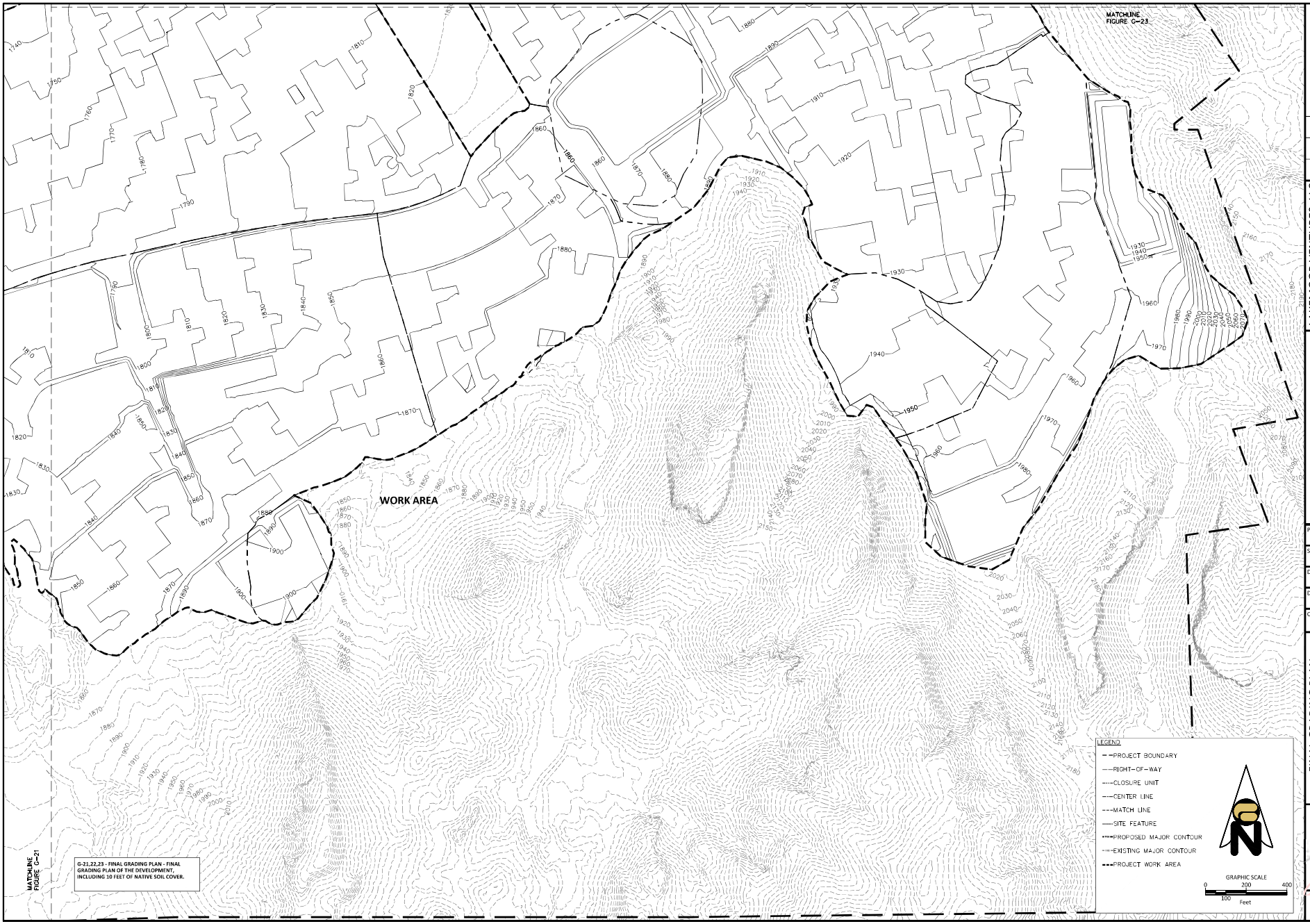
FINAL GRADING PLAN

REMEDIAL DESIGN TO IMPLEMENT CORRECTIVE ACTION PLAN
SOIL AND MINE WASTES
THREE KIDS MINE

SEAL
Digitally signed by Lonnie Roy
Date: 2024.03.04 17:12:45 -05'00'

FIGURE
G-21
21 OF 23 SHEETS

March 1, 2024 Z:\OBS\2014\14-01-156 3 KIDS MINE\DRAWINGS\FINAL GRADING PLAN 2-29-24.DWG



REV	DATE	BY	DESCRIPTION

LAKEMOOR VENTURES, LLC
921 AMERICAN PACIFIC DRIVE, SUITE 305
HENDERSON, NV 89014

BROADBENT
8 WEST PACIFIC AVENUE
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(702) 563-0600 (P) ● (702) 563-0610 (F)

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PROJECT NUMBER: 14-01-156
SCALE: 1"=200'
DESIGNED BY: CAC
DRAWN BY: TM
CHECKED BY: CAC

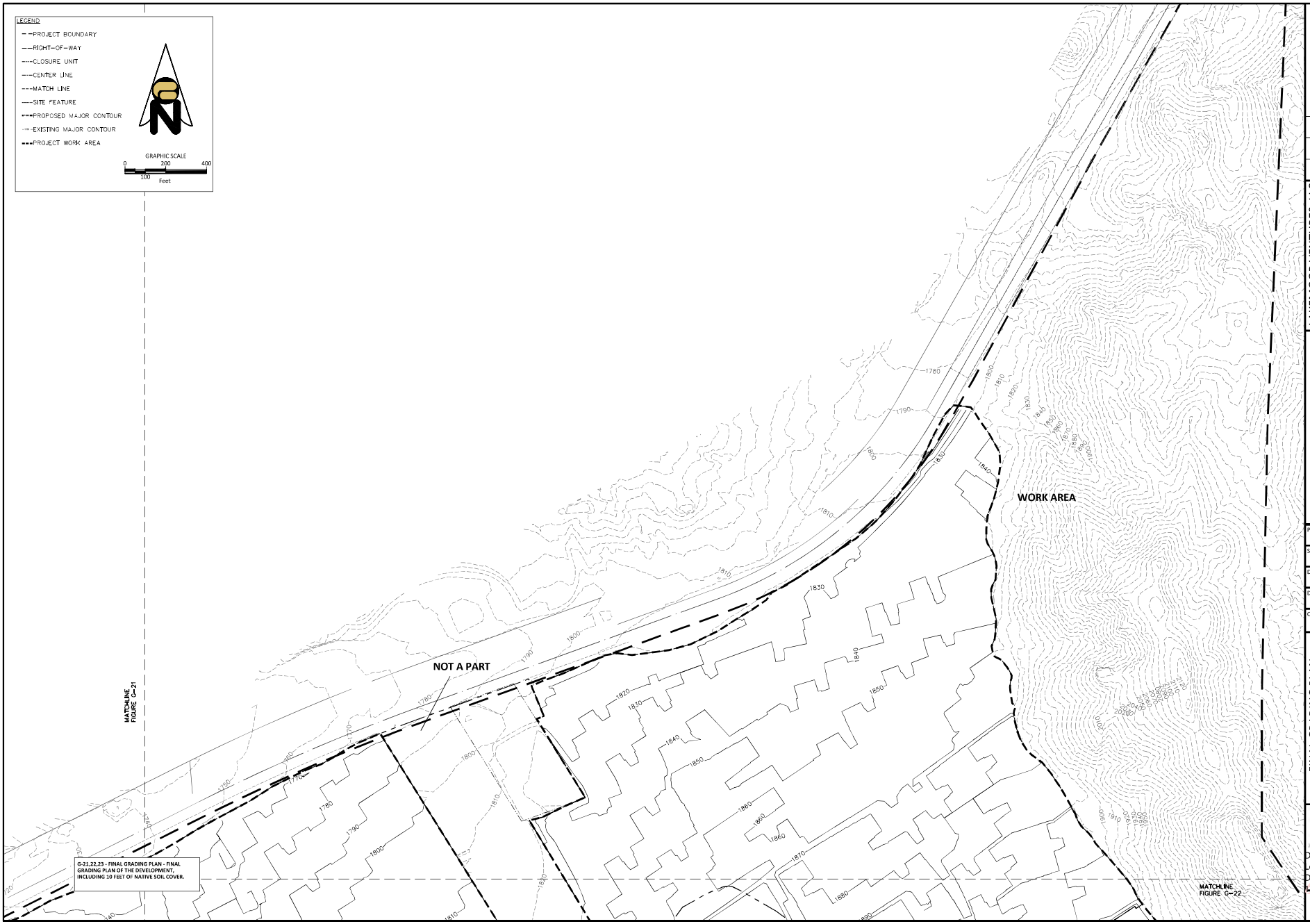
FINAL GRADING PLAN

REMEDIAL DESIGN TO IMPLEMENT CORRECTIVE ACTION PLAN SOIL AND MINE WASTES THREE KIDS MINE

SEAL
Digitally signed by Lonnie Roy
Date: 2024.03.04 17:11:22 -05'00'

FIGURE G-22
22 OF 23 SHEETS

February 29, 2024 Z:\OBS\2014\14-01-156 3 KIDS MINE\DRAWINGS\FINAL GRADING PLAN 2-29-24.DWG



REV	DATE	BY	DESCRIPTION

LAKEMOOR VENTURES, LLC
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HENDERSON, NV 89014

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8 WEST PACIFIC AVENUE
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CHECKED BY: CAC

FINAL GRADING PLAN

REMEDIAL DESIGN TO IMPLEMENT CORRECTIVE ACTION PLAN SOIL AND MINE WASTES THREE KIDS MINE

Digitally signed by Lonnie Roy
Date: 2024.03.04 17:09:34 -05'00'

FIGURE G-23
23 OF 23 SHEETS

February 29, 2024 Z:\JOBS\2014\14-01-156 3 KIDS MINE\DRAWINGS\FINAL GRADING PLAN 2-29-24.DWG