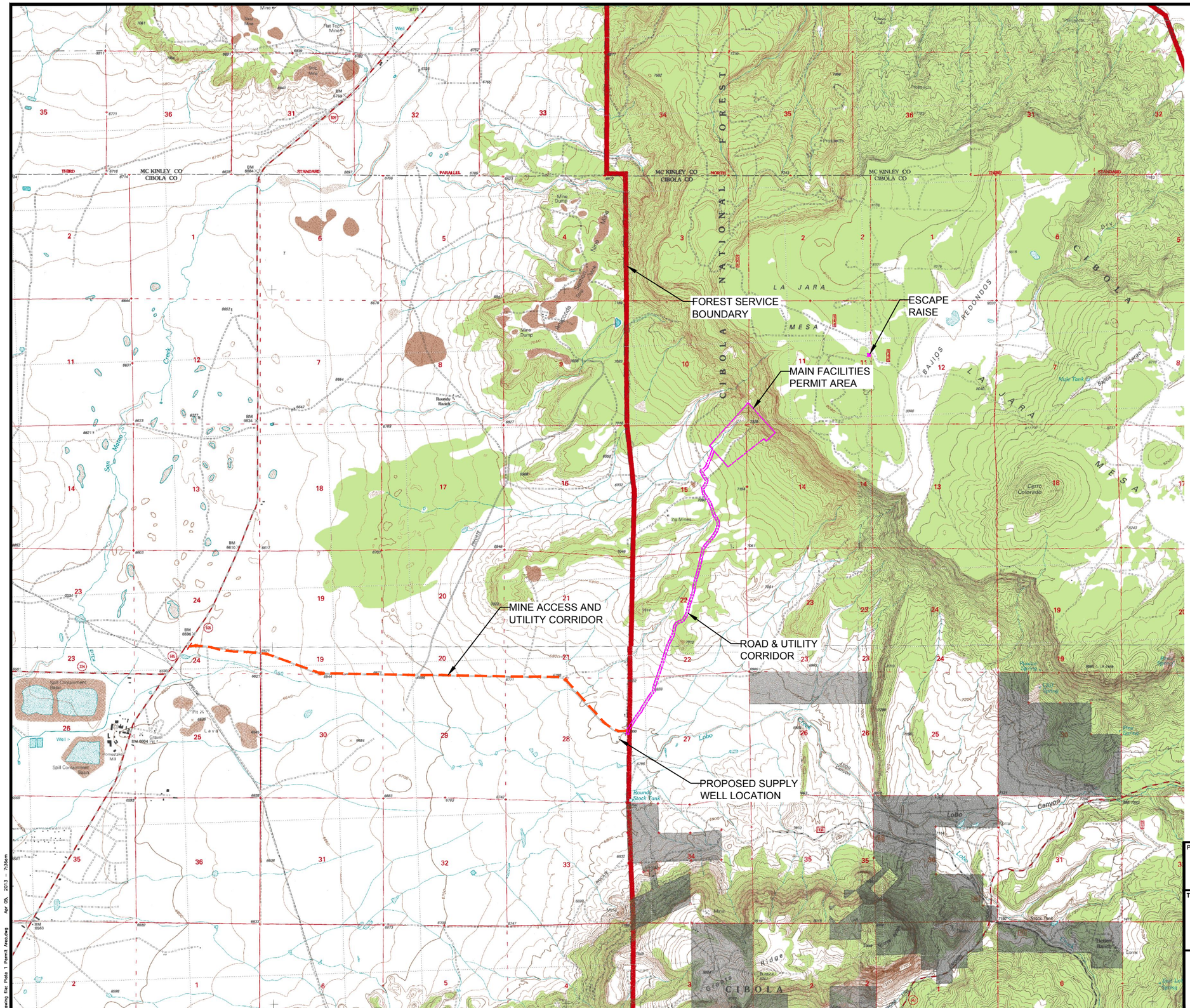


2000 0 2000 4000
SCALE FEET

LEGEND

- PROPOSED PERMIT AREA
- ROAD & UTILITY CORRIDOR
- ESCAPE RAISE
- MINE ACCESS AND UTILITY CORRIDOR

REFERENCE: MAPS FROM THE DOS LOMAS, NM; SAN MATEO, NM; GRANTS, NM AND LOBO SPRINGS, NM QUADRANGLES, VALENCIA AND McKINLEY COUNTIES, NEW MEXICO. MAP SCALE: 1:24,000

PROJECT

LARAMIDE RESOURCES (USA) INC.
LA JARA MESA PROJECT
CIBOLA COUNTY, NEW MEXICO

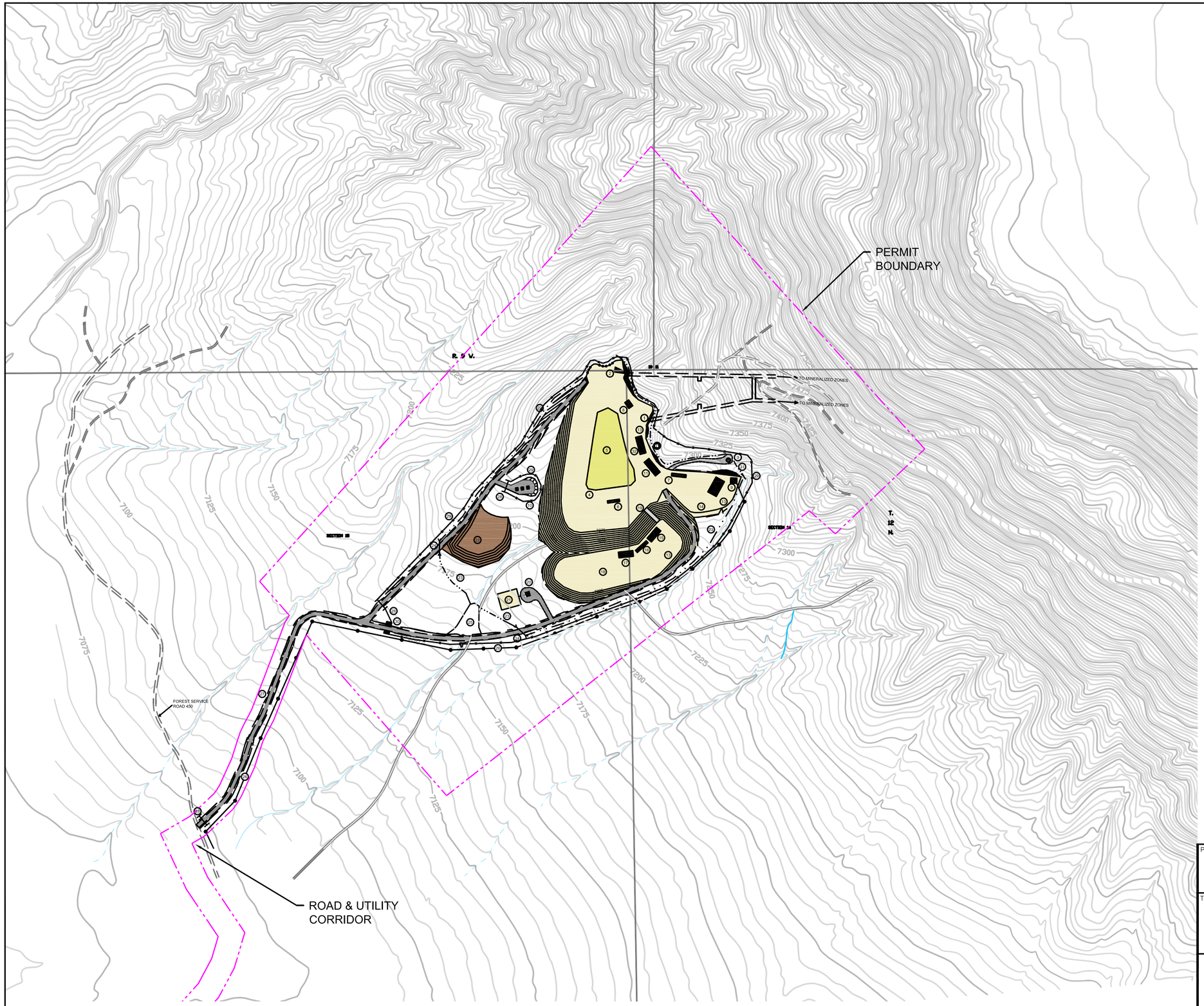
TITLE

PROPOSED PERMIT AREA

Golder Associates
Albuquerque, New Mexico

PROJECT No.		083-9338SI	FILE No.	Permit Area
DESIGN	LM	05/05/09	SCALE AS SHOWN	REV. 0
CADD	CM	11/05/12	PLATE 1	
CHECK	EC	11/05/12		
REVIEW	LM	11/05/12		

Drawing file: Plate 1 Permit Area.dwg Apr 05, 2013 - 7:36am



400 0 400 800
SCALE FEET

LEGEND

- EXISTING ROAD
- EXISTING FENCE
- EXISTING POWER LINE

NOTE: 5' CONTOUR INTERVALS
SOURCE: LARAMIDE RESOURCES PLAN OF OPERATIONS

EXPLANATION

1. MAIN PORTAL ENTRANCE
2. VENTILATION FAN / SECONDARY ACCESS
3. WATER STORAGE TANK / PUMPING STATION
4. WASTE ROCK PILE
5. STORAGE AREA
6. PORTABLE SCALE
7. SAFETY & SHIFTER TRAILER
8. COMPRESSOR
9. SUBSTATION
10. EXPLOSIVE STORAGE W/ GATE BERM & SECURITY FENCING
11. FUEL STORAGE
12. MAINTENANCE SHOP
13. OUTSIDE STORAGE & CONEX TRAILERS
14. EQUIPMENT PARKING
15. MENS CHANGE TRAILER (DRY)
16. WOMEN'S CHANGE TRAILER (DRY)
17. OFFICE TRAILER
18. EMPLOYEE & VISITOR PARKING (25-30 SPACES)
19. STAIRCASE TO PORTAL BENCH
20. SEPTIC TANK
21. SEPTIC LEACH FIELD
22. GROWTH MEDIUM STOCKPILE
23. STORMWATER DITCH
24. CULVERT
25. STORMWATER CONTAINMENT BASIN
26. POWERLINE
27. SITE ACCESS ROAD - 18 FOOT RUNNING SURFACE
28. GATE
29. PERIMETER FENCE (4 - STRAND BARBED WIRE)
30. CATTLE GUARD
31. "CLEAN" WATER DIVERSION
32. GENERATORS

PROJECT

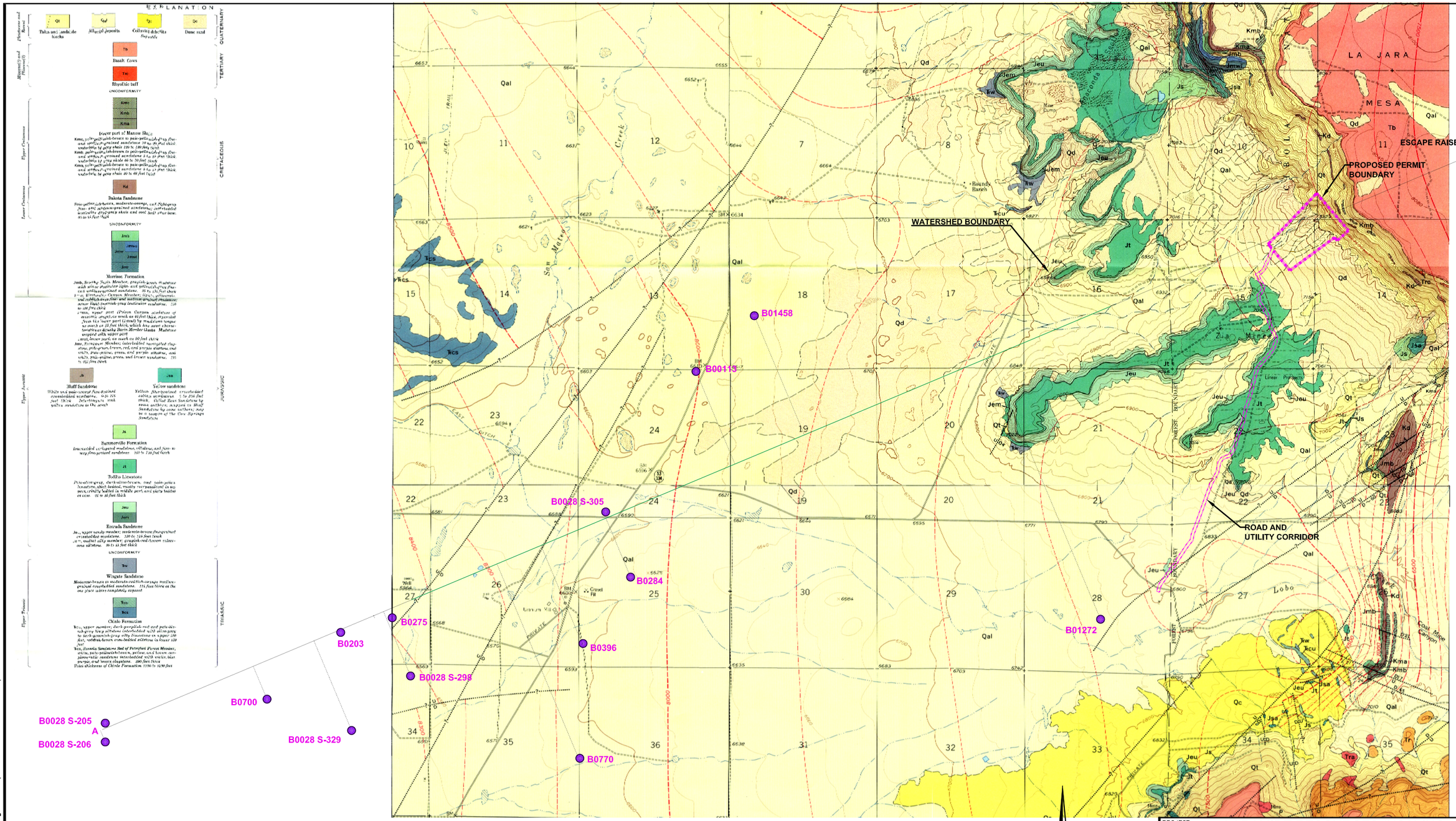
LARAMIDE RESOURCES (USA) INC.
LA JARA MESA PROJECT
CIBOLA COUNTY, NEW MEXICO

TITLE

CONCEPTUAL MINE LAYOUT PLAN

Golder Associates
Albuquerque, New Mexico

PROJECT No.		0839338SI	FILE No.	Site Plan
DESIGN	LM	04/30/09	SCALE AS SHOWN	REV. 0
CADD	CM	11/05/12	PLATE 2	
CHECK	EC	11/05/12		
REVIEW	LM	11/05/12		



LEGEND

- PROPOSED PERMIT BOUNDARY
- ROAD & UTILITY CORRIDOR
- ESCAPE RAISE
- OSE WELLS
- LINE OF SECTION
- PROJECTION TO LINE OF SECTION

REFERENCE: GEOLOGIC MAPS FROM THE DOS LOMAS AND GRANTS QUADRANGLES, VALENCIA AND McKINLEY COUNTIES, NEW MEXICO, 1967.

PROJECT

LARAMIDE RESOURCES (USA) INC.
LA JARA MESA PROJECT
CIBOLA COUNTY, NEW MEXICO

TITLE

REGIONAL GEOLOGIC MAP

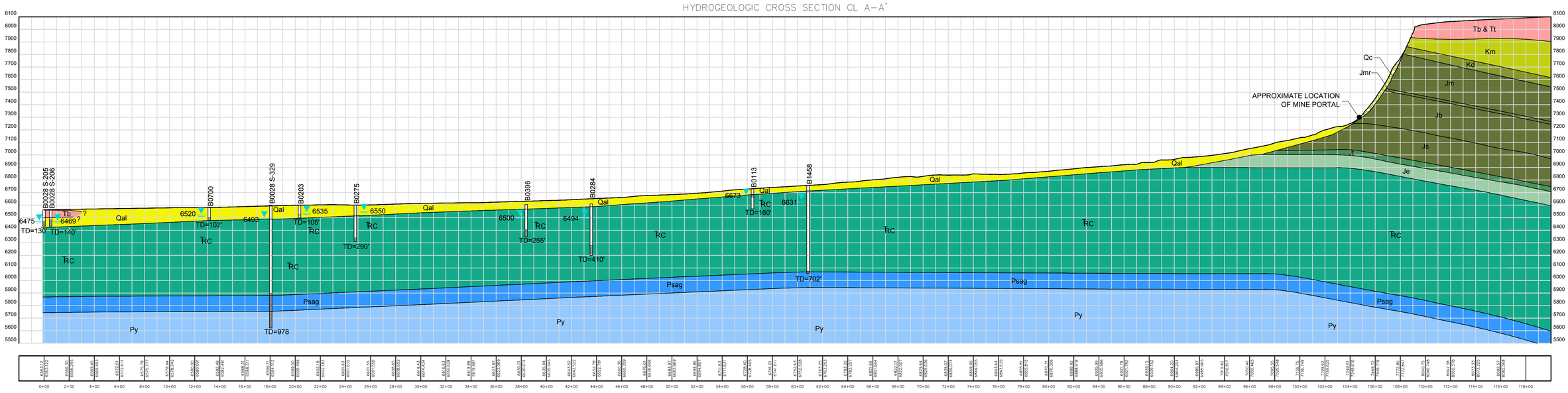
Golder Associates
Albuquerque, New Mexico

PROJECT No.		0839338SI	FILE No.	Geologic Plan
DESIGN	LM	04/30/09	SCALE AS SHOWN	REV. 0
CADD	CM	03/11/13		
CHECK	EC	03/11/13		
REVIEW	LM	03/11/13		

PLATE 3

Drawing file: Plate 3 Geologic Plan.dwg Apr 10, 2013 - 2:25pm

HYDROGEOLOGIC CROSS SECTION CL A–A'



400 0 400 800

HORIZONTAL SCALE IS IN METERS
VERTICAL SCALE IS IN FEET

Qal	QUATERNARY ALLUVIUM
Qc	QUATERNARY COLLUVIUM
Tb & Tt	TERTIARY BASALT/ RHYOLITIC TUFF
Km	MANCOS SHALE
Kd	DAKOTA SANDSTONE
Jm	MORRISON FORMATION
Jmr	RECAPTURE SHALE
Jb	BLUFF SANDSTONE
Js	SUMMERVILLE FORMATION
Jt	TODILTO LIMESTONE
Je	ENTRADA SANDSTONE
TRC	CHINLE FORMATION
Psag	SAN ANDRES LIMESTONE AND GLORIETA SANSTONE (WHERE PRESENT)
Py	YESO FORMATION

REFERENCE: GEOLOGY FROM CUTHU,S. 2011 PRELIMINARY GEOLOGIC MAP OF THE DOS LOMAS QUADRANGLE, CIBOLA AND McKINLEY COUNTIES, NEW MEXICO, DOS LOMAS AND GRANTS QUADRANGLES, VALENCIA AND McKINLEY COUNTIES, NEW MEXICO 1967.

PROJECT

LARAMIDE RESOURCES (USA) INC.
LA JARA MESA
CIBOLA COUNTY, NEW MEXICO

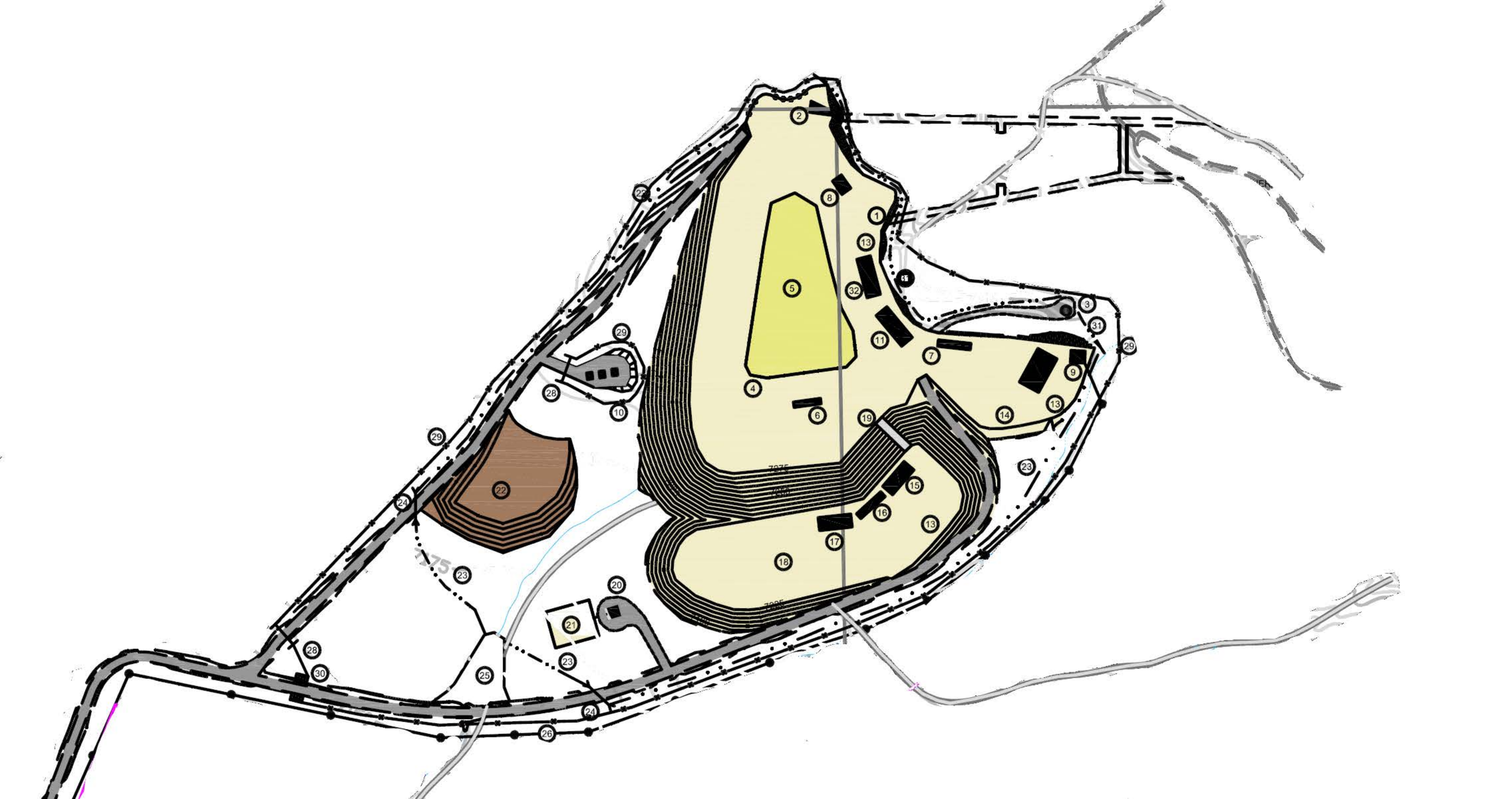
TITLE

HYDROGEOLOGIC CROSS SECTION

Golder Associates
Albuquerque, New Mexico

PROJECT No.		083-9338SI	FILE No.	FIG9-2_GEOLOGICCS
DESIGN	JA	06/11/12	SCALE AS_SHOWN	REV. A
CADD	CM	03/11/13	DRAWING	
CHECK	EC	03/11/13	PLATE 4	
REVIEW	BN	03/11/13		

Drawing file: K:\2008 Projects\0839338SI Laramide Site Investigation\BDR\Figure 9-2 Geologic CS.dwg



TO MINERALIZED ZONES
TO MINERALIZED ZONES
7400
7375
7350
7325
7300
7275
7250
7225
T.
12
N.