LEGEND

- CEC PERMIT BOUNDARY TR 46
- SECTION LINE/1/4 SECTION LINE
- PROPERTY BOUNDARY (VERIFIED 2006)
- EXISTING PAVED ACCESS ROAD
- EXISTING LIGHT DUTY ROAD OR EQUIPMENT ACCESS
- EXISTING FENCE
- EXISTING BUILDING
- EXISTING POWER POLE
- EXISTING LIGHT POLE
- EXISTING GROUND CONTOUR
- EXISTING "PINNED" HORIZONTAL & VERTICAL CONTROL POINT
- MAJOR PIT / DISTURBED AREA (RECLAMATION NOT COMPLETE)
- OTHER AREA
- NATURAL UNDISTURBED AREA

- EXISTING RECLAIMED AREA (SEEDED ONCE)
- EXISTING RECLAIMED AREA (RESEEDED – INTERSEEDED)
- RECLAIMED AREA – MOST RECENT (2016 SEEDING)
- **Phase I bond release areas**
- **Phase II bond release areas**
- **Phase III bond release areas**
- **Permanent Features**

1999 — ORIGINAL SEEDING YEAR
23 — AREA REFERENCE NUMBER
2.6 AC. — AREA ACRES AFFECTED
INTERSEEDED 2002 — ADDITIONAL ACTION TAKEN & YEAR

NW COR, SEC. 25 T 3 N, R 64 W
N 1/4 COR, SEC. 25 T 3 N, R 64 W
NE COR, SEC. 25 T 3 N, R 64 W
W 1/4 COR, SEC. 25 T 3 N, R 64 W
E 1/4 COR, SEC. 25 T 3 N, R 64 W
SW COR, SEC. 25 T 3 N, R 64 W
S 1/4 COR, SEC. 25 T 3 N, R 64 W
W 1/4 COR, SEC. 36 T 3 N, R 64 W
C 1/4 COR, SEC. 36 T 3 N, R 64 W
E 1/4 COR, SEC. 36 T 3 N, R 64 W

N89°04'57"E 2637.03'
5274.06'
2637.03'
2639.70'
2637.92'
N 1,318,000
N 1,317,000
N 1,316,000
N 1,315,000
N 1,314,000
N 1,313,000
N 1,312,000
5272.26'
S89°07'15"W 2635.64'
N89°07'15"E 2635.63'
N00°04'44"W 2636.15'
N89°09'35"E 2634.25'
N89°012'46"E 2630.55'
S00°03'57"E 2641.57'
S00°03'57"E 2586.19'
E 3,277,000
E 3,278,000
E 3,279,000
E 3,280,000
E 3,283,000

NATURAL UNDISTURBED AREA

B — 2016 — 22.89 AC. — TECHNICAL REVISION LIMITS — NATURAL UNDISTURBED AREA

1995 — 24 — 7.87 AC.

A-3

REMAINING LIMITS TO BE FILLED WITH SOIL, TOPSAND, AND REVEGETATED
35 — 24.14 AC.

B-PIT — 56.1 AC. — ORIGINAL LIMITS

36 — 42.94 AC. — LONG-TERM SPOIL AREA

37 — 9.13 AC. — TOPSAND PILES

32 — 5.54 AC. — SEEDED 2015

2009 — 31 — 11.89 AC. — FROM 10.29 AC. IN B PIT, FROM 1.6 AC. OUTSIDE

33 — 12.39 AC. — SEEDED 2015

2006 — 30 — 9.68 AC. — FROM 8.87 AC. IN B PIT, FROM 0.46 ACRES OUTSIDE, FROM K 0.35 ACRES

2002 — 23 — 0.67 AC.

2003 — 29 — 8.31 AC. — FROM 7.27 AC. IN B PIT, FROM 1.03 ACRES OUTSIDE

Z — 3.63 AC. — BOND RELEASED AREAS

0.75 AC.

42 — 8.92 AC.

1995 — 28 — 1.36 AC.

40 — 3.10 AC. — PERMANENT SEDIMENT POND 2

1995 — 26 — 5.56 AC. — INTERSEEDED 1998

1995 — 27 — 3.14 AC.

1997 — 25 — 12.61 AC. — RESEEDED 2012, INTERSEEDED 2014

41 — 2016 — 3.05 AC. — TEMPORARY SEDIMENT POND

1997 — 2 — 1.96 AC. — RESEEDED 1998, INTERSEEDED 1998

PERMANENT DIVERSION POND

43 — 6.00 AC.

39 — 3.56 AC.

B-1 — A-1 — 38 — 10.29 AC. — TOPSAND PILES

34 — 6.92 AC. — SEEDED 2016

P1 — 44 AC.

P2 — 39.07 AC.

SEE PERMIT AREA MAP, APPENDIX A-1 FOR EXTENDED BOUNDARY

SECTION 25

SECTION 36

0 100 200 400
APPROXIMATE SCALE (FEET)
CONTOUR INTERVAL = 2

The October 2012 Aerial survey of Keenesburg Mine was complied and triangulated on Colorado State Plane North (surface) and reprojected to Local Mine Datum ruining the following report:

Horizontal Repletion to Local Mine Datum:

Translation north: -1,282,156.5640 ft.
Translation east: -3,240,307.3930 ft.
Rotation: 0°01'39.45"
Original north: 1,318,616.5640 ft.
Original east: 3,280,875.3930 ft.
Scale factor: 1.00148829949

Vertical Reprojection to Local Mine Datum:

Note: There is a vertical plane between the New Vertical Datum and the Local Mine Datum. The following points where best fit to match Local Mine Datum.

X 36,620.749 - Y 28,971.406		-3.834 ft. at power pole
X 36,498.977 - Y 36,412.435		-0.25 ft. at control point 1101
X 40,568.000 - Y 36,460.000		1.273 ft. at control point 1103
X 41,733.435 - Y 28,217.937		-1.834 ft. at power pole

REFERENCE: COOPER AERIAL, TUSCON, AZ. 10/18/18

APPENDIX L-5

COORS ENERGY COMPANY
VEGETATION/RE-VEGETATION MAP

CLIENT: COORS ENERGY COMPANY (KEENESBURG, COLORADO)	
PROJECT: RECLAMATION PLAN	
PROJECT NO: COORS2018	DATE COMPLETED: 12/2018
DESIGNED BY: AEC	APPROVED BY: CJA
DRAWN BY: JGN	DWG NAME: PERMIT_L5-2018.dwg
REVISION:	REVISED BY: JGN DATE: 02/2019

0	ISSUED FOR PERMIT & REPORTS
1	B-PIT BOUNDARY REVISION
2	REV COMBINE AREAS & CHG TO NUMBERS

AEC AMERICAN ENVIRONMENTAL CONSULTING, LLC.