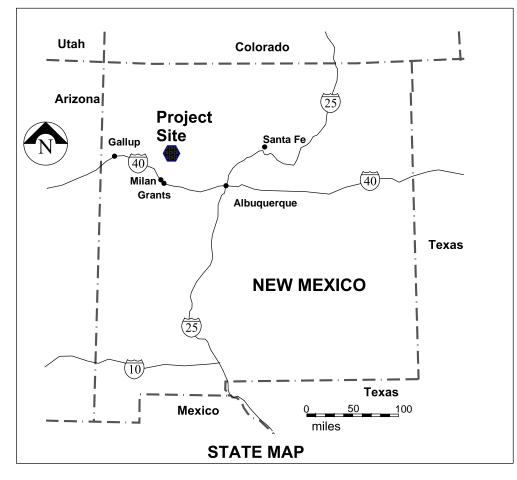
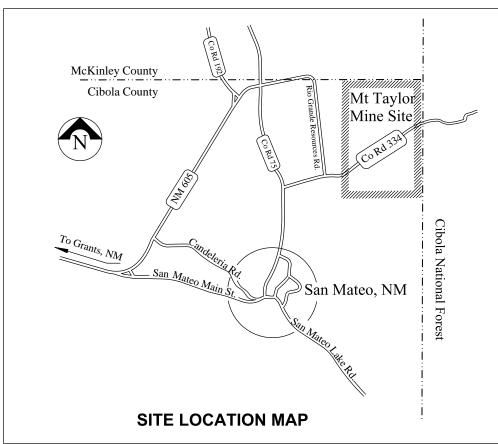
APPENDIX A

DRAWINGS

MT12-CL-01	Title Sheet
MT12-CL-02	Closeout Plan Index Sheet
MT12-CL-03	Gamma and Soil Radium Sample Locations
MT12-CL-04	Facility Disposition Plan
MT12-CL-05	Shaft Closure - Manway Vent
MT12-CL-06	Shaft Closure - Production Shaft
MT12-CL-07	Final Grading Plan Mine Water Treatment Pond and Ore Pad Areas
MT12-CL-08	Typical Sections - Mine Water Treatment Pond Infill
MT12-CL-09	Final Grading and Cover Plan - South Waste Rock Pile Area
MT12-CL-10	Final Grading and Cover Sections - South Waste Rock Pile Area
MT12-CL-11	Final Grading and Cover Plan - North Waste Rock Pile Area
MT12-CL-12	Final Grading and Cover Sections - North Waste Rock Pile Area
MT12-CL-13	Final Site Grading Plan





MOUNT TAYLOR MINE CLOSEOUT/CLOSURE PLAN

DRAWING LIST

DRAWING NUMBER	DRAWING TITLE
MT13-CL-01	TITLE SHEET
MT13-CL-02	CLOSEOUT PLAN INDEX SHEET
MT13-CL-03	GAMMA AND SOIL RADIUM SAMPLE LOCATIONS
MT13-CL-04	FACILITY DISPOSITION PLAN
MT13-CL-05	SHAFT CLOSURE - MANWAY VENT
MT13-CL-06	SHAFT CLOSURE - PRODUCTION SHAFT
MT13-CL-07	FINAL GRADING PLAN- MINE WATER TREATMENT POND AND ORE PAD AREA
MT13-CL-08	TYPICAL SECTIONS - MINE WATER TREATMENT POND INFILL
MT13-CL-09	FINAL GRADING AND COVER PLAN- SOUTH WASTE ROCK PILE AREA
MT13-CL-10	FINAL GRADING AND COVER SECTIONS- SOUTH WASTE ROCK PILE AREA
MT13-CL-11	FINAL GRADING AND COVER PLAN- NORTH WASTE ROCK PILE AREA
MT13-CL-12	FINAL GRADING AND COVER SECTIONS- NORTH WASTE ROCK PILE AREA
MT13-CL-13	FINAL SITE GRADING PLAN

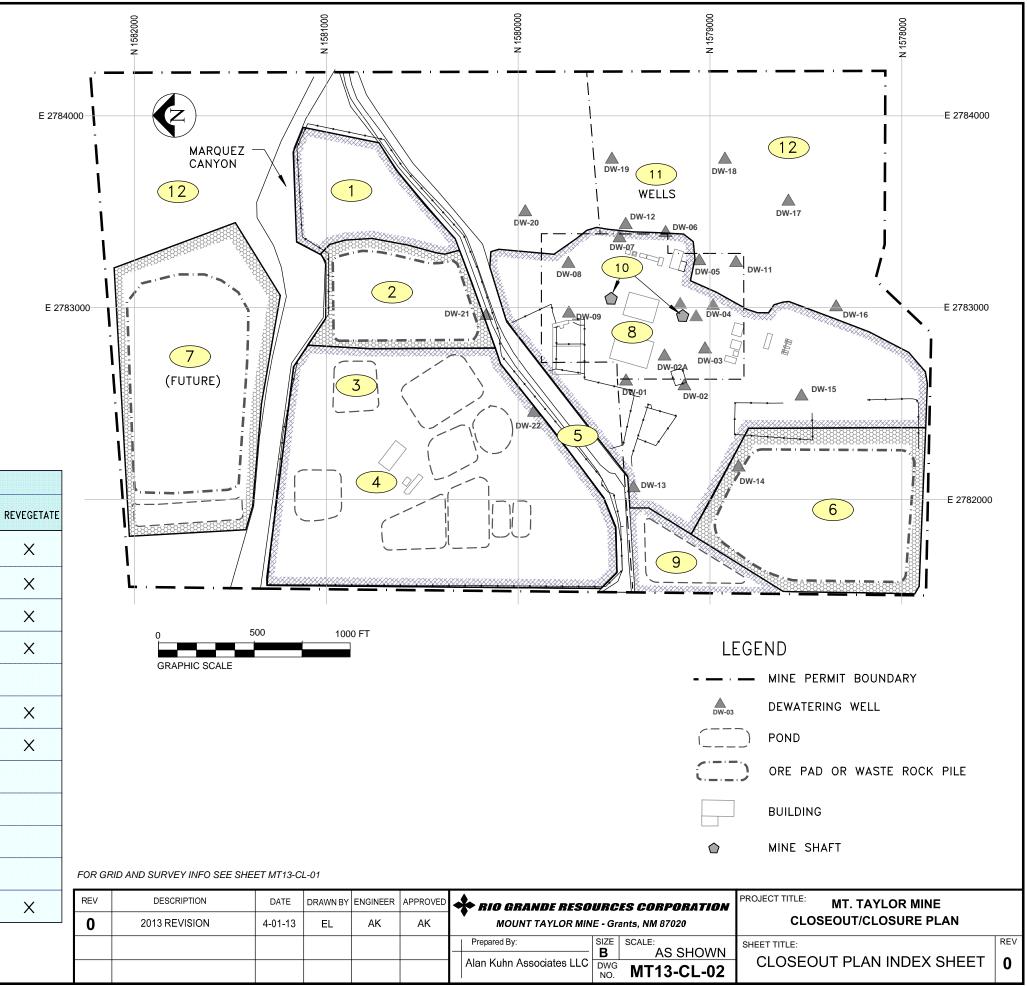
GENERAL NOTES

- G-01 FOR DETAILS REGARDING CONSTRUCTION AND MATERIAL REQUIREMENTS FOR THIS PROJECT, SEE THE PROJECT SPECIFICATIONS. IN ANY CASE OF CONFLICT BETWEEN THE DRAWINGS AND SPECIFICATIONS, THE SPECIFICATIONS WILL GOVERN.
- G-02 THE GRID AND COORDINATES SHOWN ON ALL PLANS ARE NEW MEXICO WEST ZONE NAD 83
- G-03 THE TOPOGRAPHIC MAP OF THIS SITE USED IN THESE DRAWINGS AS A BASE MAP WAS PRODUCED BY THOMAS R. MANN & ASSOCIATES, INC. IN MAY 2012.

SURVEY REFERENCES

- S-1.0 THE TOPOGRAPHIC BASE MAP WAS PRODUCED BY AERIAL SURVEY METHODS AND COMPLIES WITH NATIONAL MAP ACCURACY STANDARDS
- S-2.0 SURVEY DATA FOR THE MAP WAS FURNISHED BY THE FOLLOWING:
 - S-2.1 FIELD SURVEY OF CONTROL POINTS AND THE 1000 FOOT GRID- BY SURVEY CONTROL, INC. ALBUQUERQUE NM
 - S-2.2 AERIAL PHOTOGRAPHY EXPOSED ON MAY 4, 2012 BY BLUE SKIES CONSULTING, BELEN NM.
 - S-2.3 ORTHOPHOTO BASE MAPPING AND RELATED DIGITAL FILES PRODUCED BY THOMAS R. MANN, INC.

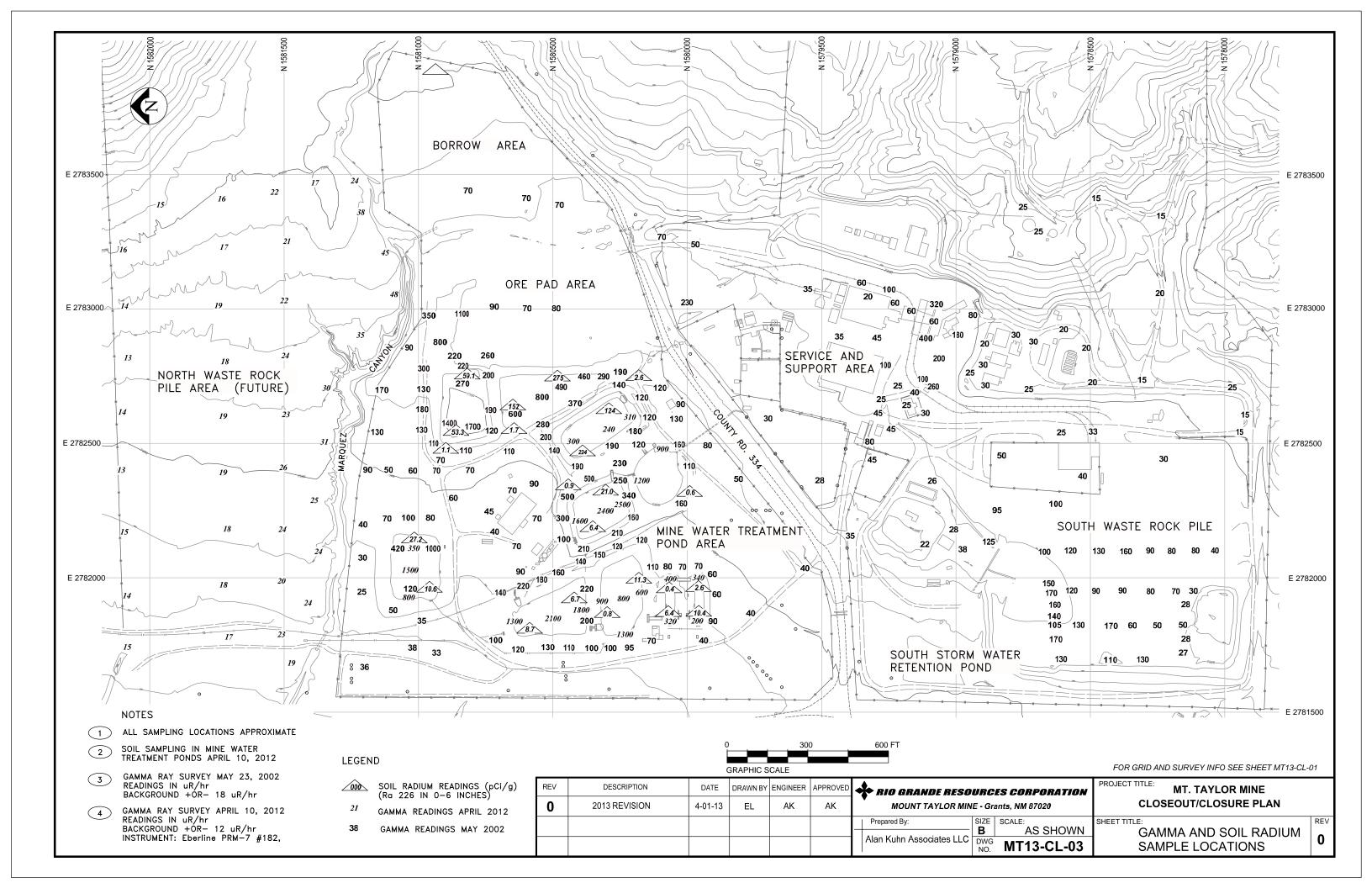
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0	2013 REVISION	4-01-13	EL	AK	AK	MOUNT TAYLOR MINE - Grants, NM 87020	CLOSEOUT/CLOSURE PLAN	
						Prepared By: SIZE SCALE: NONE	SHEET TITLE:	REV
						Alan Kuhn Associates LLC DWG NO. MT13-CL-01	TITLE SHEET	0

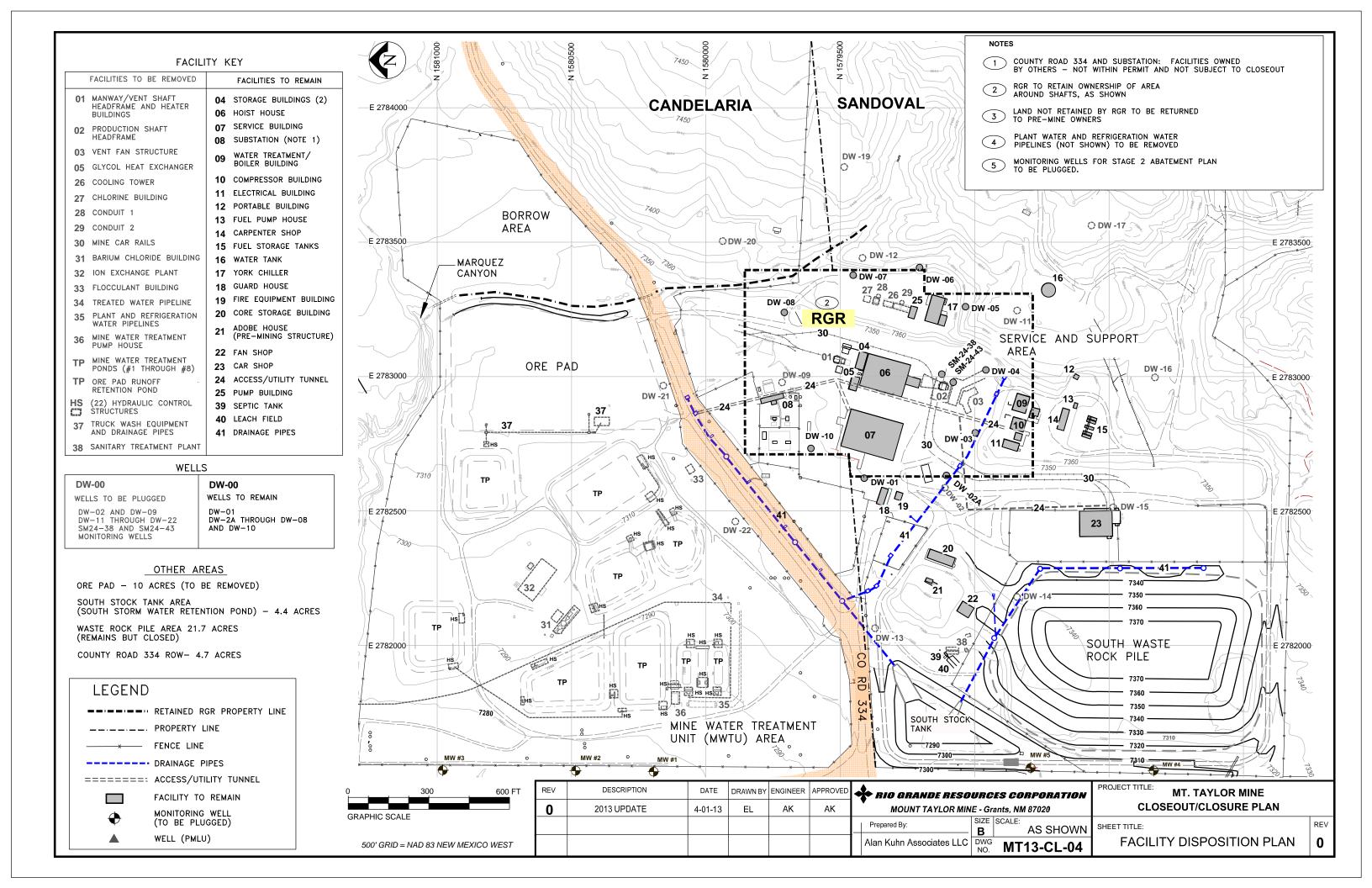


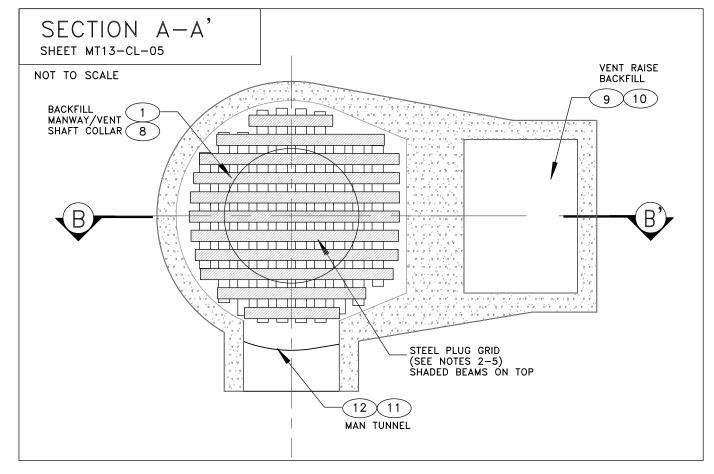
	AREA	TASKS					
NO.	AREA DESCRIPTION	DEMOLITION	SOIL CLEANUP	PLUG/ BACKFILL	BACKFILL AND COVER	FINISH GRADING	REVEGETATE
1	BORROW AREA		X			×	×
2	ORE PAD AREA	X	X			×	×
3	ORE PAD RUNOFF RETENTION POND	×	X		×	X	×
4	MINE WATER TREATMENT AREA	X	X		X	X	X
5	COUNTY ROAD ROW		X			X	
6	SOUTH WASTE ROCK PILE AREA				×	×	X
7	NORTH WASTE ROCK PILE AREA — (FUTURE)				×	×	×
8	SERVICE AND SUPPORT AREA	X	X			×	
9	SOUTH STORMWATER RETENTION POND		X				
10	MINE SHAFTS - MANWAY AND PRODUCTION	X		X			
11	DEWATERING WELLS			X			
12	UNDEVELOPED AREAS						X

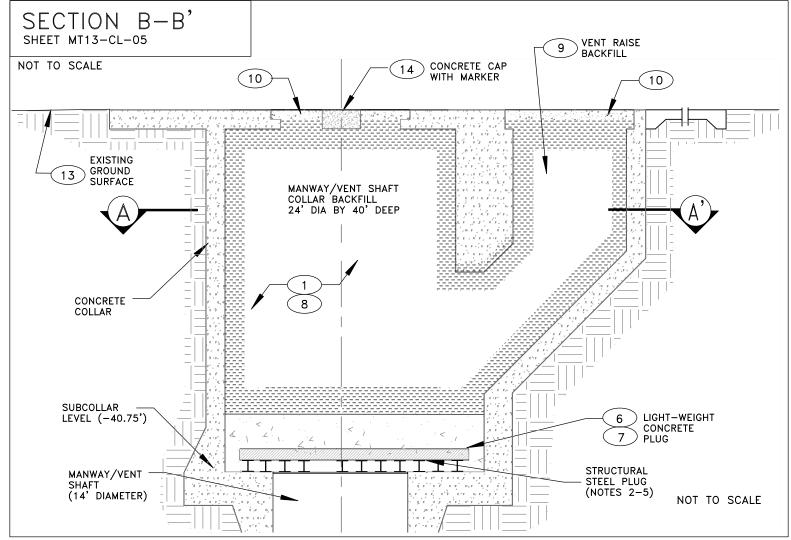
NOTE

FOR QUANTITIES AND DETAILED DESCRIPTIONS OF EACH TASK SEE THE PROJECT SPECIFICATIONS









NOTES:

- REMOVE AND DROP ALL EQUIPMENT, FITTINGS, AND UTILITIES BETWEEN COLLAR TO SUB COLLAR LEVEL.
- LOWER LEVEL STRUCTURAL STEEL = UP TO 23' LONG STEEL BEAMS 11 BEAMS @ 2 FEET OC. (W14 X 90) LOWER LEVEL BEAMS PLACED ON EXISTING CONCRETE SUBCOLLAR LEVEL. BEAMS TO EXTEND A MINIMUM 1.5' AT EACH END BEYOND SUBCOLLAR OPENING.
- UPPER LEVEL STRUCTURAL STEEL = UP TO 23' LONG STEEL BEAMS 11 BEAMS @ 2 FEET O.C. (W14 x 90) UPPER LEVEL BEAMS PLACED PERPENDICULAR TO LOWER LEVEL BEAMS.
- STRUCTURAL STEEL BEAMS RECYCLED FROM HEADFRAME DEMOLITION AND STEEL POSTS AND CAPS STORED ON SITE. NO PURCHASE OF NEW STEEL REQUIRED.
- WELD SCRAP PLATE OR SHEET METAL TO THE BOTTOM OF THE STEEL BEAMS. FABRICATE THE BEAMS AND PLATES IN SECTIONS AT THE GROUND SURFACE AND LOWER INTO THE MANWAY SHAFT COLLAR TO THE POSITION SHOWN IN SECTION BB. CONTRACTOR TO DETERMINE MEANS AND METHODS OF FABRICATION AND INSTALLING FABRICATED SECTIONS INTO PLACE.
- (6) INSTALL LIGHTWEIGHT CONCRETE AT SUBCOLLAR LEVEL (-40.75° TO -34.75°)
- EMBED SCRAP CYCLONE FENCE OR OTHER SCRAP STEEL MESH IN LIGHT WEIGHT CONCRETE
- TREMIE PLACED SLURRY BACKFILL WILL INCLUDE SOIL, PORTLAND CEMENT, AND FLY ASH, IN PROPORTIONS TO BE DETERMINED BY BENCH TESTS TO PRODUCE 28-DAY UNCONFINED COMPRESSIVE STRENGTH OF 50 TO 100 PSI.
- VENT RAISE AND MAN TUNNEL BACKFILLED USING SAME SLURRY FILL AS SPECIFIED FOR FILL IN THE COLLAR STRUCTURE. VENT RAISE IS SHOWN IN SECTIONS AA AND BB ON THIS SHEET.

- IN VENT RAISE AND COLLAR, SLURRY BACKFILL TO EXTEND TO WITHIN 1 FOOT OF THE GROUND SURFACE THEN CAP WITH LIGHT-WEIGHT CONCRETE.
- THE PORTION OF THE MAN-TUNNEL RECEIVING BACKFILL IS 10 FEET WIDE, 11 FEET HIGH, AND 40 FEET LONG.
- THE SLURRY BACKFILL IN THE MAN-TUNNEL CAN BE PLACED DIRECTLY AGAINST THE EXISTING STEEL SURE-LOCK DOORS. NO ADDITIONAL CONCRETE BULKHEADS WILL BE NEEDED.
- THE TOP OF THE NATURAL ROCK AT THIS LOCATION IS APPROXIMATELY AT THE EXISTING GROUND SURFACE
- THE SHAFT MARKER TO BE CONSTRUCTED FROM PRECAST CONCRETE WITH A MINIMUM UNCONFINED COMPRESSIVE STRENGTH OF 2500 PSI. THE MARKER SHALL BE 4 FEET WIDE AND 4 FEET LONG AND 2 FEET THICK AND BE INSCRIBED USING 4 INCH LETTERS EMBEDDED A MINIMUM OF 1/4 INCH DEEP AND STATING THE FOLLOWING: "MOUNT TAYLOR MINE MANWAY/VENT SHAFT, CLOSED (DATE).

STEEL BEAMS

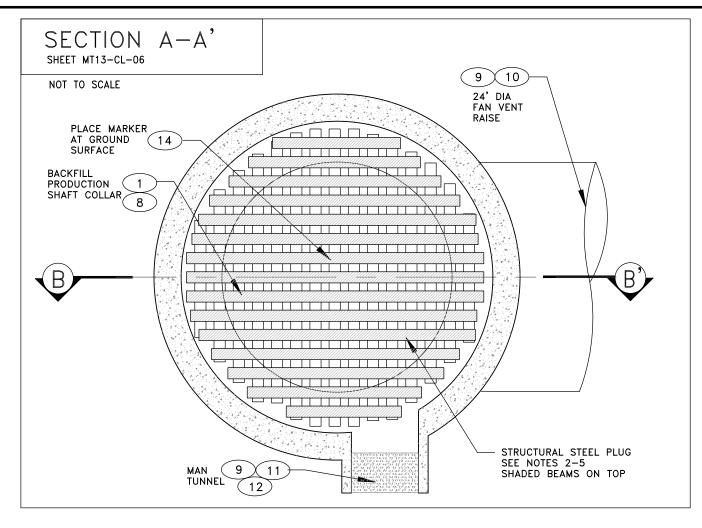
LENGTH FEET 22.5 20.0 18.0 15.0 10.0

LIST OF MATERIALS

STEEL PLATE	460 SF
LIGHT WEIGHT CONCRETE	160 CY
BACKFILL SLURRY TOTAL	563 CY
SOIL 510 CY	
CEMENT 28 CY	
FLY ASH 28 CY	
3000 PSI CONCRETE	1.2 CY

0

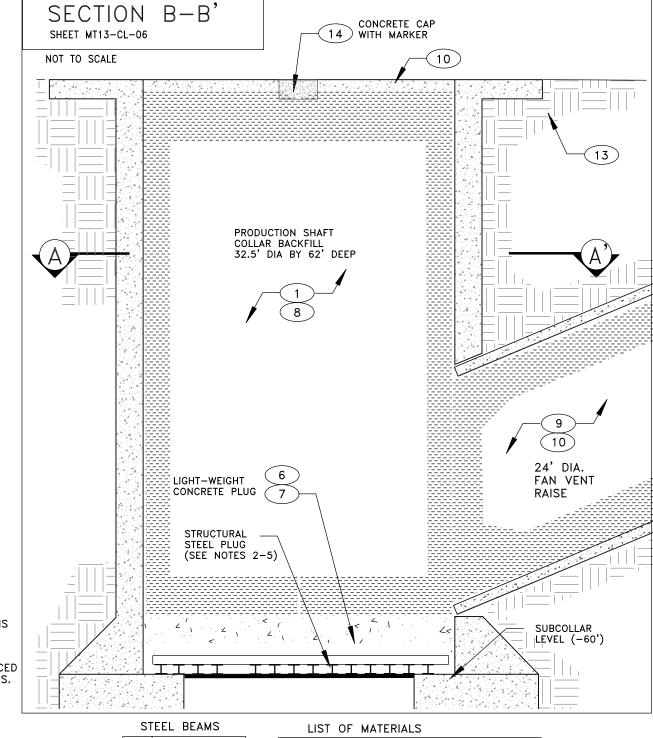
REV	DESCRIPTION	DATE	DRAWN BY	ENGINEER	APPROVED	RIO GRANDE RESOURCES CORPORATI	PROJECT TITLE: MT. TAYLOR MINE
0	2013 REVISION	4-01-13	EL	AK	AK	MOUNT TAYLOR MINE - Grants, NM 87020	CLOSEOUT/CLOSURE PLAN
						Prepared By: SIZE SCALE: NONE	SHEET TITLE:
						Alan Kuhn Associates LLC DWG NO. MT13-CL-0	SHAFT CLOSURE - MANWAY/VENT



NOTES:

- REMOVE AND DROP ALL EQUIPMENT, FITTINGS, AND UTILITIES BETWEEN COLLAR TO SUB COLLAR LEVEL.
- LOWER LEVEL STRUCTURAL STEEL = UP TO 31' LONG STEEL BEAMS
 15 BEAMS © 2 FEET OC. (W14 X 90)
 LOWER LEVEL BEAMS PLACED ON EXISTING CONCRETE SUBCOLLAR LEVEL.
 BEAMS TO EXTEND A MINIMUM 1.5' AT EACH END BEYOND SUBCOLLAR OPENING.
- 3 UPPER LEVEL STRUCTURAL STEEL = UP TO 31' LONG STEEL BEAMS 15 BEAMS [®] 2 FEET O.C. (W14 x 90) UPPER LEVEL BEAMS PLACED PERPENDICULAR TO LOWER LEVEL BEAMS.
- 4 STRUCTURAL STEEL BEAMS RECYCLED FROM HEADFRAME DEMOLITION AND STEEL POSTS AND CAPS STORED ON SITE. NO PURCHASE OF NEW STEEL REQUIRED.
- WELD SCRAP PLATE OR SHEET METAL TO THE BOTTOM OF THE STEEL BEAMS.
 FABRICATE THE BEAMS AND PLATES IN SECTIONS AT THE GROUND SURFACE AND LOWER INTO THE MANWAY SHAFT COLLAR TO THE POSITION SHOWN IN SECTION BB. CONTRACTOR TO DETERMINE MEANS AND METHODS OF FABRICATION AND INSTALLING FABRICATED SECTIONS INTO PLACE.
- 6 INSTALL LIGHTWEIGHT CONCRETE AT SUBCOLLAR LEVEL (-60.0' TO -54.0')
- 7 EMBED SCRAP CYCLONE FENCE OR OTHER SCRAP STEEL MESH IN LIGHT WEIGHT CONCRETE
- 8 SLURRY BACKFILL WILL INCLUDE SOIL, PORTLAND CEMENT, AND FLY ASH, IN PROPORTIONS TO BE DETERMINED BY BENCH TESTS TO PRODUCE 28-DAY UNCONFINED COMPRESSIVE STRENGTH OF 50 TO 100 PSI.

- 9 VENT RAISE AND MAN TUNNEL BACKFILLED USING SAME SLURRY FILL AS SPECIFIED FOR FILL IN THE COLLAR STRUCTURE. VENT RAISE IS 68 FEET LONG AND 24 FEET DIAMETER
- IN VENT RAISE AND COLLAR, SLURRY BACKFILL TO EXTEND TO WITHIN 1 FOOT OF THE GROUND SURFACE THEN CAP WITH LIGHT-WEIGHT CONCRETE.
- THE PORTION OF THE MAN-TUNNEL RECEIVING BACKFILL IS 10 FEET WIDE, 11 FEET HIGH, AND 50 FEET LONG.
- THE SLURRY BACKFILL IN THE MAN-TUNNEL CAN BE PLACED DIRECTLY AGAINST THE EXISTING STEEL SURE-LOCK DOORS. NO ADDITIONAL CONCRETE BULKHEADS WILL BE NEEDED.
- THE TOP OF THE NATURAL ROCK AT THIS LOCATION IS APPROXIMATELY AT THE EXISTING GROUND SURFACE
- THE SHAFT MARKER TO BE CONSTRUCTED FROM PRECAST CONCRETE WITH A MINIMUM UNCONFINED COMPRESSIVE STRENGTH OF 2500 PSI. THE MARKER SHALL BE 4 FEET WIDE AND 4 FEET LONG AND 2 FEET THICK AND BE INSCRIBED USING 4 INCH LETTERS EMBEDDED A MINIMUM OF 1/4 INCH DEEP AND STATING THE FOLLOWING: "MOUNT TAYLOR MINE PRODUCTION SHAFT CLOSED (DATE)."



QTY	LENGTH FEET					
10 31.0						
4	29.0					
4	26.0					
4	22.0					
4	18.0					
4	14.0					

STEEL PLATE	830 SF
LIGHT WEIGHT CONCRETE	215 CY
BACKFILL SLURRY TOTAL	2950 CY
3000 PSI CONCRETE	1.2 CY

REV

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REV	DESCRIPTION	DATE	DRAWN BY	ENGINEER	APPROVED	RIO GRANDE RESOURCES CORPORATION	PROJECT TITLE: MT. TAYLOR MINE
0	2013 REVISION	4-01-13	EL	AK	AK	MOUNT TAYLOR MINE - Grants, NM 87020	CLOSEOUT/CLOSURE PLAN
						Prepared By: SIZE SCALE: NONE	SHAFT CLOSURE -
						Alan Kuhn Associates LLC DWG NO. MT13-CL-06	PRODUCTION SHAFT

