NOTES:

DESIGN CONTOURS AND CROSS SECTIONS FOR REFUSE AREA A ARE FINAL RECLAIMED CONTOURS AND CROSS SECTIONS.

FINAL CONTAINMENT DITCHES (PERIMETER DITCHES) TO BE COMPLETED TO DESIGN SPECIFICATIONS PRIOR TO RECLAMATION. THEY WILL BE CONSTRUCTED IN PHASES ADJACENT TO AREAS WITHIN THE PIT AREA OPENED UP TO REFUSE PLACEMENT.

INTERIM IN-PIT DITCHES WILL BE FUNCTIONAL DURING REFUSE PLACEMENT OPERATIONS. THESE DITCHES ARE TO BE PLACED AT THE UPHILL TOE OF A PHASE WITHIN THE APPROVED AREA OR AS NECESSARY TO DIRECT UPSTREAM EXISTING CHANNELIZED FLOW AROUND THE PLACMENT AREA TO THE PERIMETER DITCHES. PRACTICES TO STABILIZE INTERIM DITCHES ARE DESCRIBED IN ILLUSTRATION 50.

SEDIMENT AND RUNOFF CONTROL MEASURES FOR THE SOIL STOCKPILES ARE ADDRESSED IN ILLUSTRATION 44.

GEOTECHNICAL STABILITY ANALYSIS DEMONSTRATES ADEQUATE STABILITY WITH 3H:1V SLOPES (ILLUSTRATION 42C)

REVERSE SEQUENCING OF TOPSOIL/SUBSOIL PLACMENT UPON RECLAMATION IS BASED ON OBSERVED RESPONSE OF ANNUAL WEEDS, PRIMARILY CHEATGRASS, AND PERENNIAL VEGETATION TO THESE GROWTH MEDIUM.

TOTAL VOLUME OF REFUSE IS APPROXIMATELY 14,190,396 YD^3 OR 8,796 ACRE-FT

OVERLAND CONVEYOR BELT

HAUL ROAD

PILE ACCESS ROAD

CULVERT INSTALLED IN FUTURE WHEN REFUSE PILE REACHES PILE ACCESS ROAD

PERIMTER DITCH DIVERSION TO AVOID HIGH FLOWS ON STEEP SLOPES

CULVERT SEE MAP 162A FOR SPILLWAY DETAILS

SEDIMENT POND RP-A

DISCHARGE TO EXISTING RED WASH TRIBUTARY. FLUME AND POINT OF COMPLIANCE LOCATED 2000 FT TO THE NORTHEAST AT EXISTING BLM RED WASH RESERVOIR #2 SEE MAP 163

CULVERT TO BE INSTALLED IN FUTURE WHEN NECESSARY

CROSS SECTION A

CROSS SECTION B

RP-A
FINAL CONFIGURATION AFTER RECLAMATION
(95.7 DISTURBED ACRES)

TOPSOIL
27.9 ACRE-FEET
(2.95 DISTURBED ACRES)

SUBSOIL
16.5 ACRE-FEET
(2.9 DISTURBED ACRES)

TOPSOIL
68.7 ACRE-FEET
(3.7 DISTURBED ACRES)

SUBSOIL
168.5 ACRE-FEET
(8.45 DISTURBED ACRES)

LEGEND

- PERIMETER / DIVERSION DITCHES
- TERRACE CHANNELS
- PILE DESIGN MAJOR CONTOURS (25' INTERVAL)
- PILE DESIGN MINOR CONTOURS (5' INTERVAL)
- EXISTING GROUND MAJOR CONTOURS (25' INTERVAL)
- EXISTING GROUND MINOR CONTOURS (5' INTERVAL)
- LIGHT USE ROAD
- FLOW DIRECTION ARROWS
- NODES INDICATING BEGINNING AND END OF STRUCTURE AND STRUCTURE # FROM SEDCAD MODEL

TYPICAL TERRACE DESIGN
(NOT TO SCALE)

~3H:1V — 5 degrees — Channel slope 2.5% — ~3H:1V — 20'

TERRACE DITCH INTERSECTION TRANSITIONS

FLOW WIDTH, TERRACE EDGE, 5.00, 2.00, D_{50} SEE CHART, TERRACE EDGE

ORIGINAL SURFACE, TOPSOIL - SALVAGED, SUBSOIL - SALVAGED, SURFACE PRIOR TO PLACEMENT

FINAL SURFACE, SUBSOIL, TOPSOIL, REFUSE

REFUSE PILE, EXISTING GROUND, SUBSOIL PILE

SEDIMENT POND EMBANKMENT, SEDIMENT POND

MAP 162

BLUE MOUNTAIN ENERGY, INC.
DESPERADO MINE
9827 COUNTY ROAD 65
RANGELY, CO 81648

Title: **MAP 162**
REFUSE AREA A SITE PLAN

Dwg location: O:\Engineering Projects\Refuse Pit A\Drawings\Refuse Pile Area in Civil 3D\Maps 162, 162A, 163\Map 162 8-13-20.dwg
Dwg by: JLT — Date: 8/13/20
Check by: — Date:
Appr. by: — Date:
Scale: 1"=200'
Sheet: 1

No.	Revision	Date	Check by
1	Reconfigured topsoil and subsoil stockpiles to shorten haul distance	8/13/20	