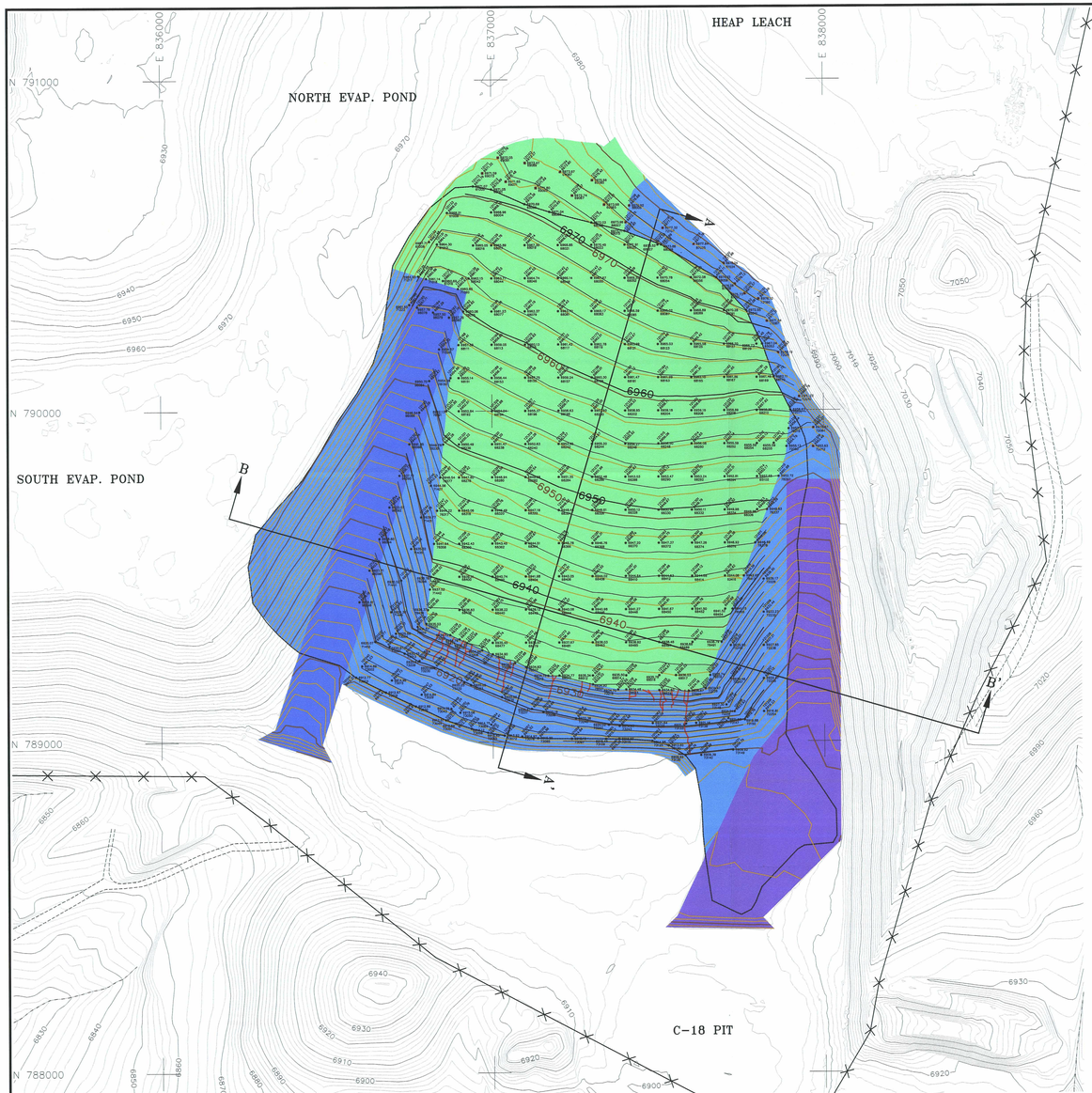
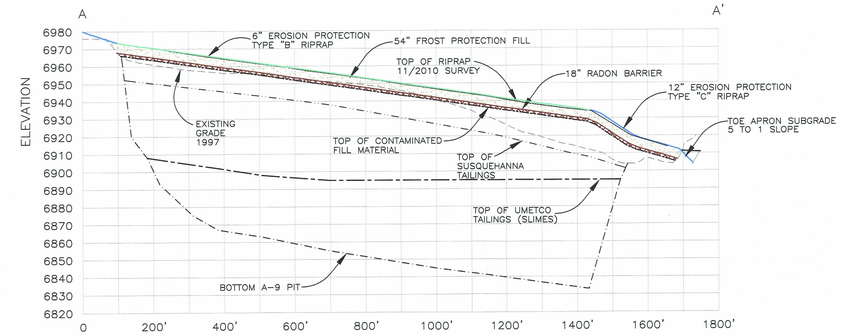
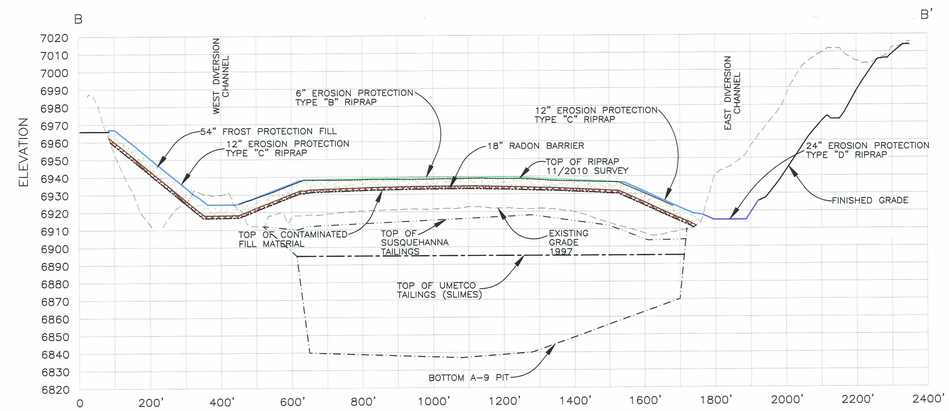




SECTION A-A'

SCALE: HORIZ. 1" = 200'
VERT. 1' = 40'



SECTION B-B'

SCALE: HORIZ. 1" = 200'
VERT. 1' = 40'

PROFILE LEGEND:

- EXISTING GRADE 1997 AERIAL TOPOGRAPHY
- TOP OF UMETCO TAILINGS (SLIMES)
- TOP OF SUSQYEHANNA TAILINGS
- BOTTOM OF A-9 PIT
- TOP OF THE CONTAMINATED FILL
- 18" RADON BARRIER
- 54" FROST PROTECTION FILL
- FINISHED GRADING OUTSIDE REPOSITORY
- 6" EROSION PROTECTION TYPE "A" BEDDING
- 6" EROSION PROTECTION TYPE "B" RIPRAP
- 12" EROSION PROTECTION TYPE "C" RIPRAP
- 24" EROSION PROTECTION TYPE "D" RIPRAP
- EXISTING GRADE TOP OF RIPRAP 11/2010 SURVEY

LEGEND:

- 7000 — 2000 AERIAL TOPOGRAPHY UPDATED WITH 2006 SURVEYS
- DRAINAGE PATH/PONDED WATER
- UN-PAVED ROADS
- N 794,000 — UMETCO 1000' SITE GRID
- 6960 — FINISH GRADE TOPOGRAPHY OF THE A-9 REPSOITORY EROSION PROTECTION LAYER
- EXISTING SITE RESTRICTED AREA FENCE
- 6934.77 6851.0 — RIPRAP SURVEY VERIFICATION POINT HORIZONTAL ELEVATION = AS BUILT VERIFICATION SURVEY 45 DEGREE ELEVATION = 11/2010 VERIFICATION SURVEY
- LIMIT OF RADON BARRIER SOILS
- 6960 — FINISH GRADE TOPOGRAPHY OF THE A-9 REPSOITORY EROSION PROTECTION LAYER 11/2010
- RILL FEATURES IN EXISTING TYPE "C" RIPRAP

EROSION PROTECTION

- 6-INCHES OF TYPE "B" RIPRAP D_{50} = 3.0 INCH
- 12-INCHES OF TYPE "C" RIPRAP D_{50} = 6.0 INCH
- 12-INCHES OF TYPE "C" RIPRAP D_{50} = 6.0 INCH WITH 6-INCHES OF TYPE "A" BEDDING D_{50} = 0.5 INCH
- 24-INCHES OF TYPE "D" RIPRAP D_{50} = 16.0 INCH WITH 6-INCHES OF TYPE "A" BEDDING D_{50} = 0.5 INCH
- BELOW GRADE TOE APRON

N

200' 0 200'

SCALE IN FEET

CONTOUR INTERVAL : 2'

D04

NO.	DATE	REVISION - DESCRIPTION	BY

DWG: GH-A9-SET-2010

Umetco Minerals Corporation
2754 COMPASS DRIVE, SUITE 280, GRAND JUNCTION, CO 81506

GAS HILLS, WYOMING

A-9 REPOSITORY
EVALUATION OF SETTLEMENT SURVEY

DESIGN: T.E.G.	DRAWN: R.W.Q.	SHEET 4 OF 8
CHECKED BY:	DATE: 12/2010	
ENGINEERING APPROVAL:	HS & EA APPROVAL:	