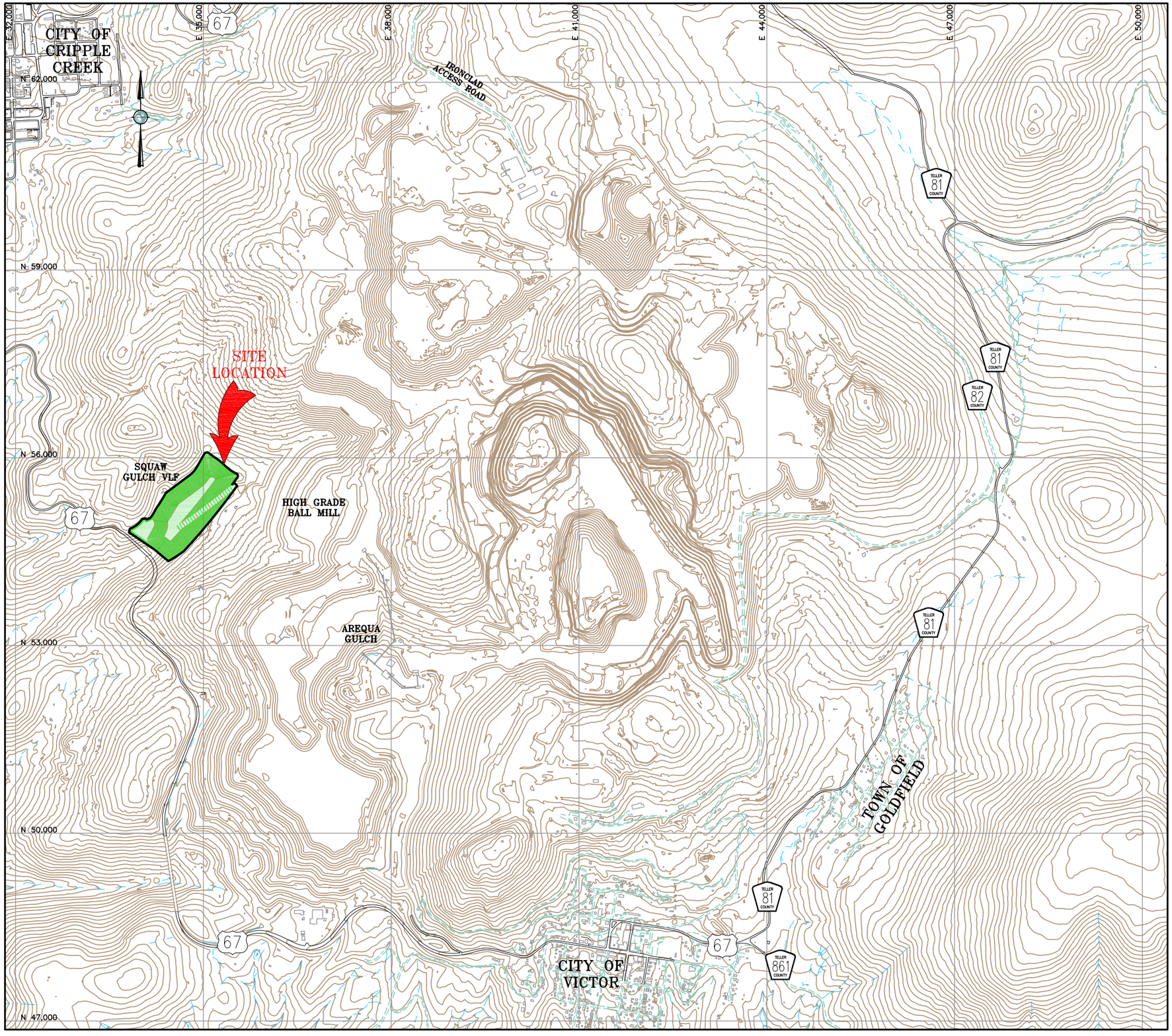
Figures



LEGEND:

- EXISTING GROUND SURFACE CONTOUR
- EXISTING UNIMPROVED ROAD/TRAILS
- EXISTING DRAINAGES
- SITE LOCATION
- 67 STATE HIGHWAY
- TELLER 861 COUNTY COUNTY ROAD

REFERENCE:

EXISTING GROUND TOPOGRAPHY WAS CREATED BY COMBINING THE FOLLOWING FILES RECV FROM FORESIGHT WEST SURVEYING, INC.:

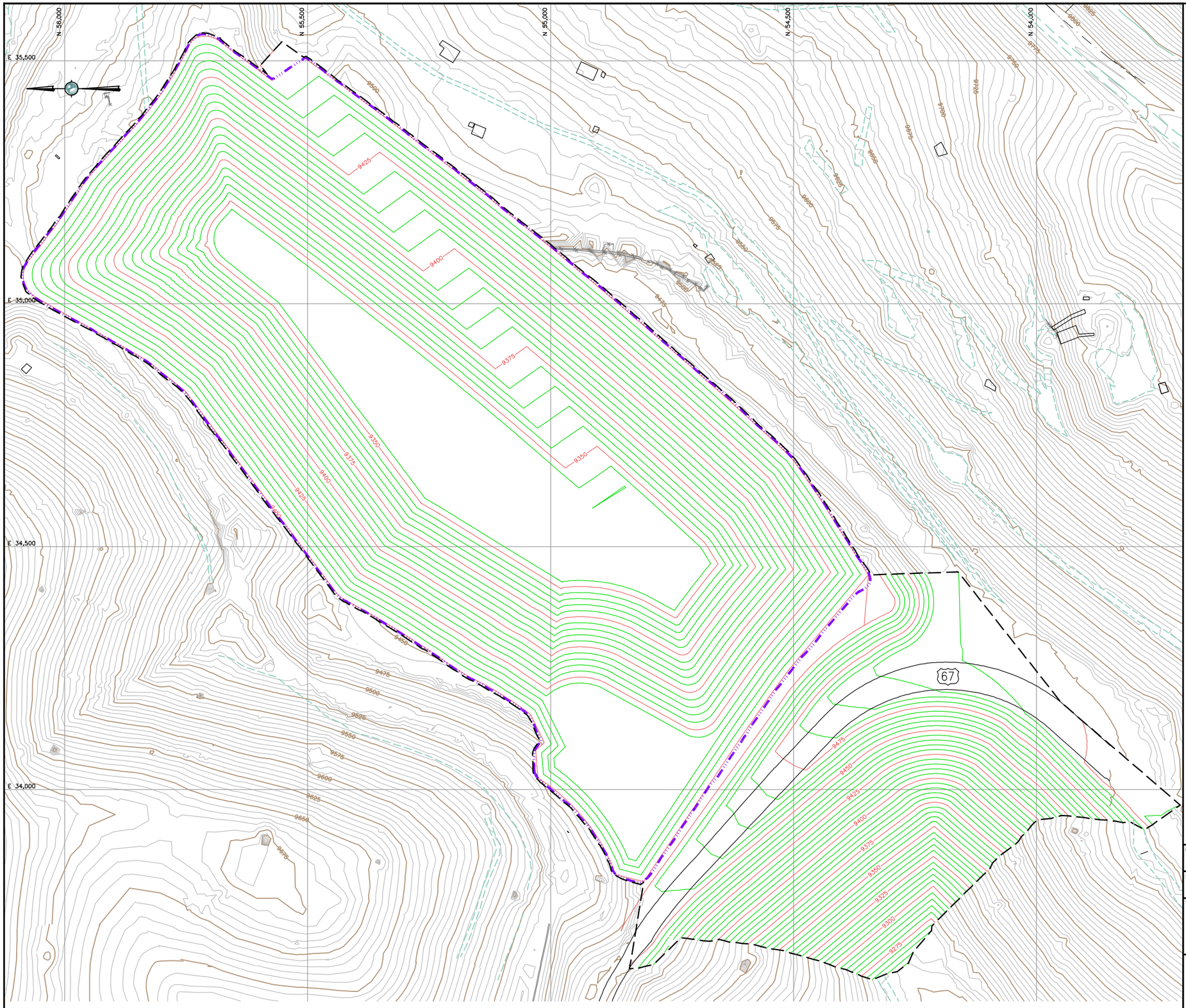
- SQUAW GULCH BASE TOPO – PHASE 1 – REVISED.DWG (RECV MARCH 14, 2010)
- SQUAW GULCH BASE TOPO – PHASE 2.DWG (RECV APRIL 24, 2010)
- SQUAW GULCH BASE TOPO – PHASE 3.DWG (RECV MAY 4, 2010)
- CCV TOPO EXPANSION 12-29-10 NORTH AREA.DWG (RECV JANUARY 13, 2011)
- CCV TOPO EXPANSION 01-28-11 SOUTH AREA.DWG (RECV JANUARY 28, 2011)
- SH67 TOPO 7-07-11.DWG (RECV JULY 11, 2011)
- VLF2 TOPO EXPANSION 8-05-11.DWG (RECV AUGUST 9, 2011)
- 09028-COMOSITE-TOPO MLE LIMITS.DWG (RECV MAY 28, 2010 FROM CC&V)

800 0 800 1600 FEET

CLIENT	CRIPPLE CREEK & VICTOR GOLD MINING COMPANY
PROJECT	SQUAW GULCH VLF PREGNANT SOLUTION STORAGE AREA
TITLE	SITE LOCATION

amec

DESIGNED BY	ALM	CHECKED BY	ALM
DRAWN BY	MGC	APPROVED BY	ALM
FILENAME: FIGURE 1		DRAWING No.: 1	REV: 0



LEGEND:

- EXISTING GROUND SURFACE CONTOUR AND EL, FEET (LAND SURVEY)
- PROPOSED SQUAW GULCH MILL PLATFORM GROUND SURFACE CONTOUR AND EL. FEET
- DESIGNED CONSTRUCTION LIMITS
- GEOMEMBRANE LIMITS
- EXISTING ROADS
- EXISTING PIPELINE

100 0 100 200 FEET

CLIENT
CRIPPLE CREEK & VICTOR GOLD MINING COMPANY

PROJECT
SQUAW GULCH VLF PREGNANT SOLUTION STORAGE AREA

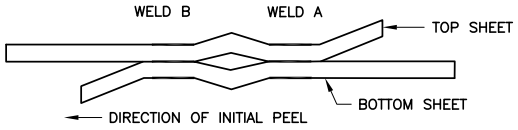
TITLE
CONSTRUCTION & GEOMEMBRANE INSTALLATION LIMITS

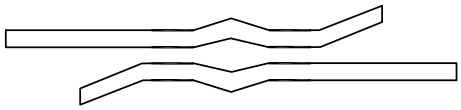
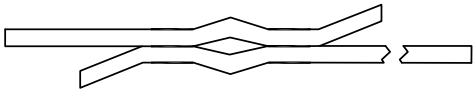
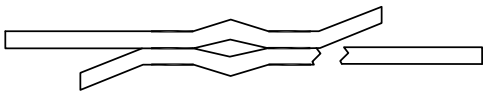
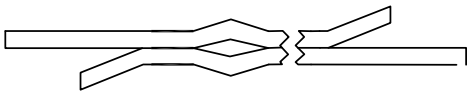
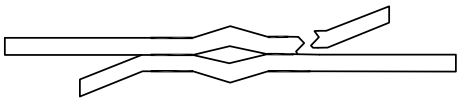
amec

DESIGNED BY	ALM	CHECKED BY	ALM
DRAWN BY	MGC	APPROVED BY	ALM

FILENAME	DRAWING No.	REV
FIGURE 2	2	0

SCHEMATIC OF UNTESTED SPECIMEN



TYPES OF BREAKS	LOCUS-OF BREAK CODE	BREAK DESCRIPTION	CLASSIFICATION[a]
	AD	ADHESION FAILURE	NON-FTB
	BRK	BREAK IN SHEETING. BREAK CAN BE IN EITHER TOP OR BOTTOM SHEET.	FTB
	SE1	BREAK IN OUTER EDGE OF SEAM. BREAK CAN BE IN EITHER TOP OR BOTTOM SHEET.	FTB
	SE2	BREAK AT INNER EDGE OF SEAM THROUGH BOTH SHEETS.	FTB
	AD-BRK	BREAK IN FIRST SEAM AFTER SOME ADHESION FAILURE. BREAK CAN BE IN EITHER THE TOP OR BOTTOM SHEET.	FTB

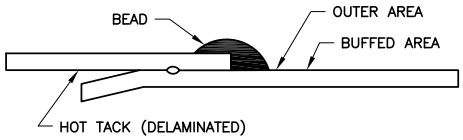
a. FTB = FILM TEAR BOND

NOT TO SCALE

CLIENT	CRIPPLE CREEK & VICTOR GOLD MINING COMPANY
PROJECT	SQUAW GULCH VLF PREGNANT SOLUTION STORAGE AREA
TITLE	DESTRUCTIVE SAMPLE TEST CODES FOR DUAL HOT WEDGE FUSION WELDS

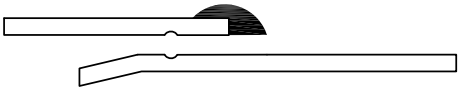
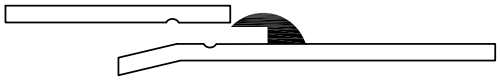
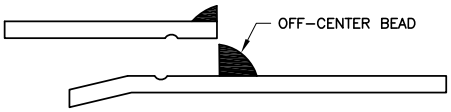
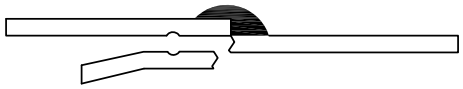
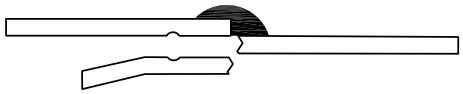
DESIGNED BY	-	CHECKED BY	JNM	DATE
DRAWN BY	ACW	APPROVED BY	JNM	12/3/12
FILENAME: FIGURE 3			FIGURE No.: 3	REV: 0

SCHEMATIC OF UNTESTED SPECIMEN



a. FTB = FILM TEAR BOND

b. ACCEPTANCE OF AD-WLD BREAKS MAY DEPEND ON WHETHER TEST VALUES MEET A MINIMUM SPECIFICATION VALUE AND NOT ON CLASSIFICATION AS A FTB OR NON-FTB BREAK.

TYPES OF BREAKS	LOCUS-OF BREAK CODE	BREAK DESCRIPTION	CLASSIFICATION[a]
	AD1	FAILURE IN ADHESION. SPECIMENS MAY ALSO DELAMINATE UNDER THE BEAD AND BREAK THROUGH THE THIN EXTRUDED MATERIAL IN THE OUTER AREA.	NON-FTB
	AD2	FAILURE IN ADHESION.	NON-FTB
	AD-WLD	BREAK THROUGH THE FILLET. BREAKS THROUGH THE FILLET RANGE FROM BREAKS STARTING AT THE EDGE OF THE TOP SHEET TO BREAKS THROUGH THE FILLET AFTER SOME ADHESION FAILURE BETWEEN THE FILLET AND THE BOTTOM SHEET.	NON-FTB[b]
	SE1	BREAKS AT SEAM EDGE IN THE BOTTOM SHEET. SPECIMENS MAY BREAK ANYWHERE FROM THE BEAD/OUTER AREA EDGE TO THE OUTER AREA/BUFFED AREA EDGE. (APPLICABLE TO SHEAR ONLY)	FTB
	SE2	BREAKS AT SEAM EDGE IN THE TOP SHEET. SPECIMENS MAY BREAK ANYWHERE FROM THE BEAD/OUTER AREA EDGE TO THE OUTER AREA/BUFFED AREA EDGE.	FTB
	SE3	BREAKS AT SEAM EDGE IN THE BOTTOM SHEET. (APPLICABLE TO PEEL ONLY)	FTB
	BRK1	BREAKS IN THE BOTTOM SHEETING. A "B" IN PARENTHESES FOLLOWING THE CODE MEANS THE SPECIMEN BROKE IN THE BUFFED AREA. (APPLICABLE TO SHEAR ONLY)	FTB
	BRK2	BREAKS IN THE TOP SHEETING. A "B" IN PARENTHESES FOLLOWING THE CODE MEANS THE SPECIMEN BROKE IN THE BUFFED AREA.	FTB
	AD-BRK	BREAKS IN THE BOTTOM SHEETING AFTER SOME ADHESION FAILURE BETWEEN THE FILLET AND THE BOTTOM SHEET. (APPLICABLE TO PEEL ONLY)	FTB
	HT	BREAK AT THE EDGE OF THE HOT TACK FOR SPECIMENS WHICH COULD NOT BE DELAMINATED IN THE HOT TACK.	NO TEST

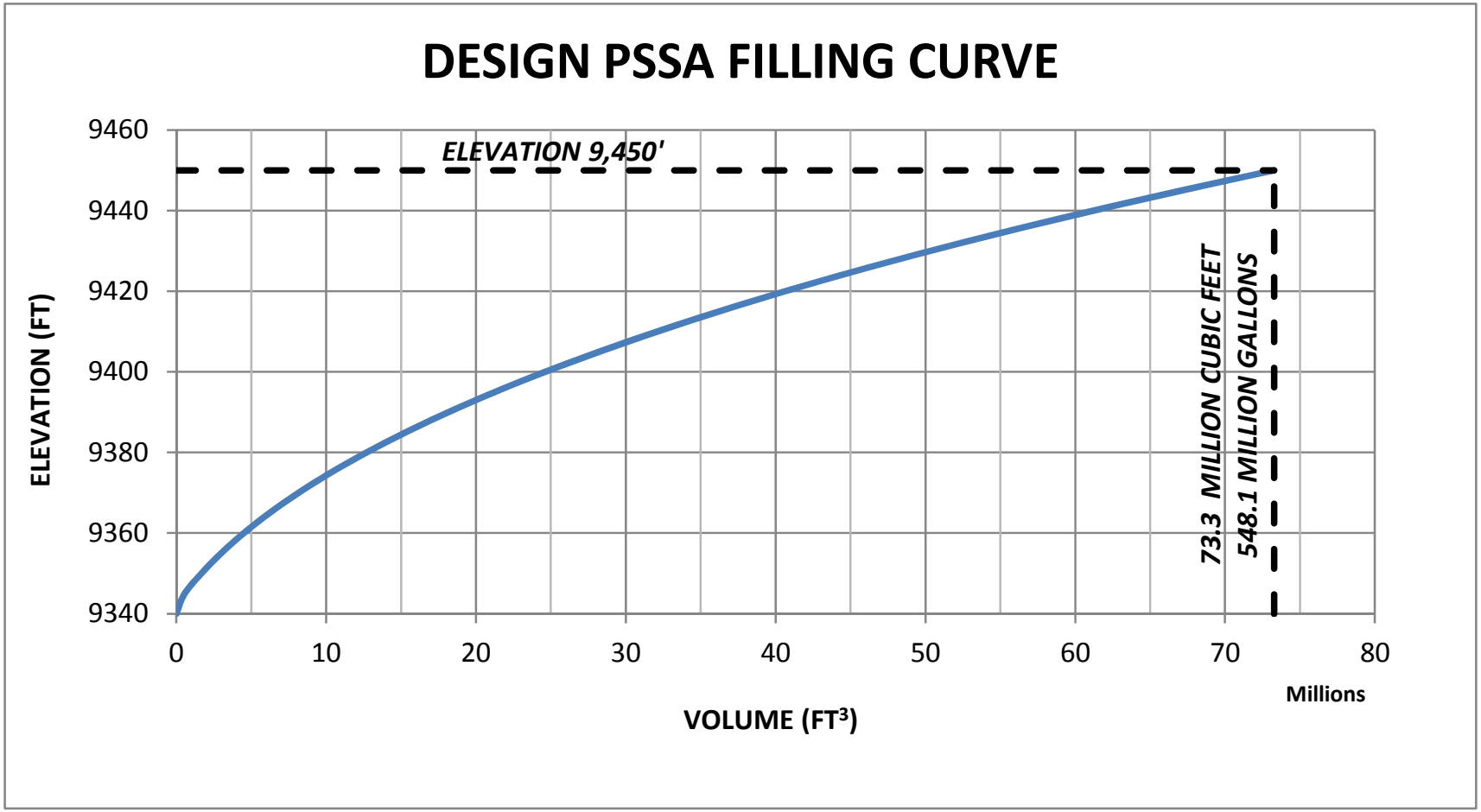
NOT TO SCALE

CLIENT	CRIPPLE CREEK & VICTOR GOLD MINING COMPANY
PROJECT	SQUAW GULCH VLF PREGNANT SOLUTION SORAGE AREA
TITLE	DESTRUCTIVE SAMPLE TEST CODES FOR EXTRUSION WELDS WITH LEISTER HEAT SEAMS

DESIGNED BY	-	CHECKED BY	JNM	DATE
DRAWN BY	ACW	APPROVED BY	JNM	12/3/12

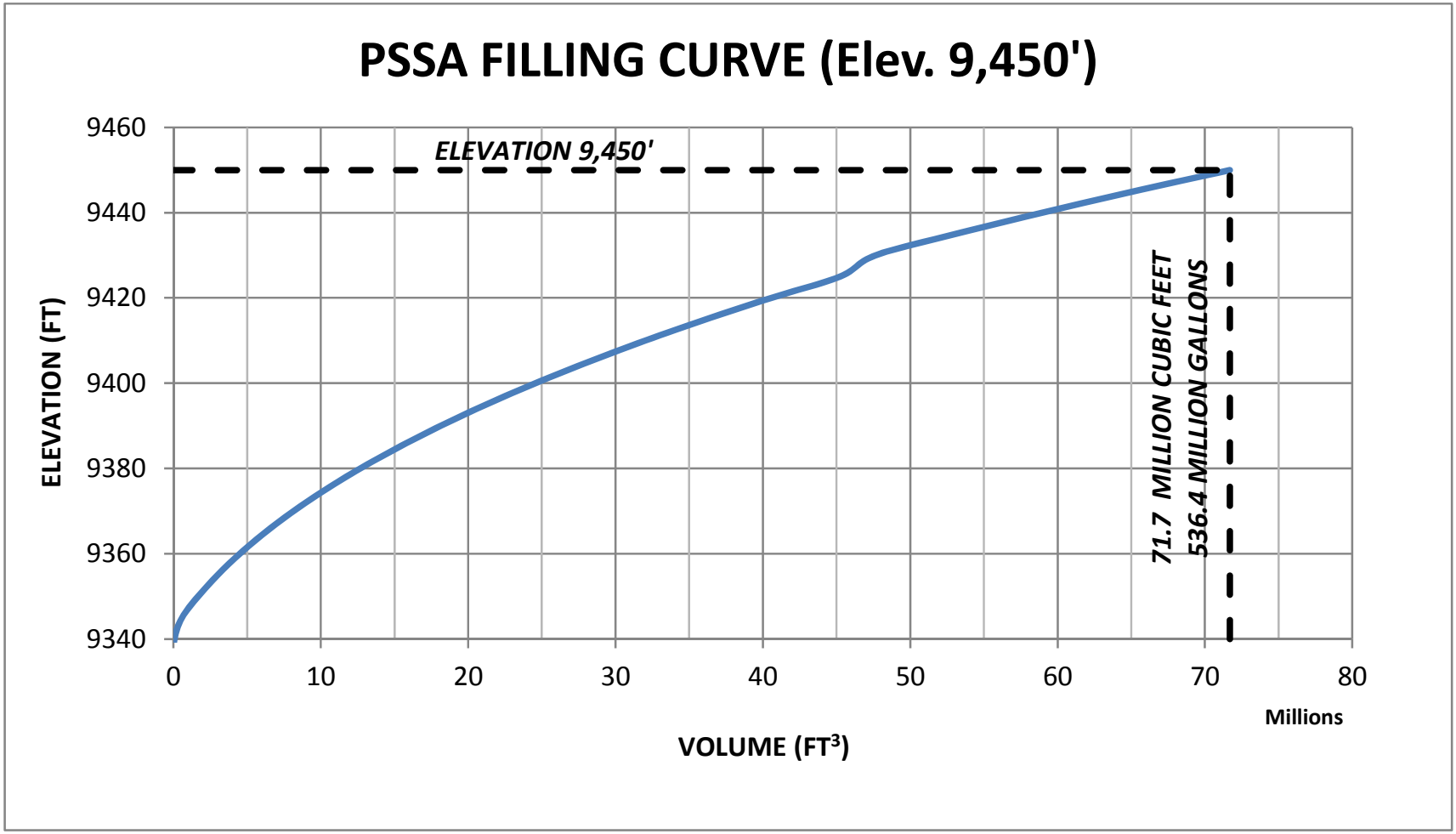
FILENAME	FIGURE No.	REV
FIGURE 4	4	0

Figure 5
Cripple Creek & Victor Mining Company
Squaw Gulch VLF-Process Solution Storage Area
Design PSSA Stage Storage Curve



- Elevation 9,445' at 35% ore porosity is 175.5 million gallons.
- 80% of maximum pregnant solution storage capacity is estimated to be 140.5 million gallons assuming an ore porosity of 35%. This corresponds to a solution elevation of 9433.2'.
- Maximum anticipated pregnant solution storage volume (including all contingency flows) is approximately 92 million gallons.

Figure 6
Cripple Creek & Victor Mining Company
Squaw Gulch VLF-Process Solution Storage Area
As-built PSSA Stage Storage Curve



- Elevation 9,445' at 35% ore porosity is 170.6 million gallons.
- 80% of maximum pregnant solution storage capacity is estimated to be 136.5 million gallons assuming an ore porosity of 35%. This corresponds to a solution elevation of 9434.2'
- Maximum anticipated pregnant solution storage volume (including all contingency flows) is approximately 92 million gallons.