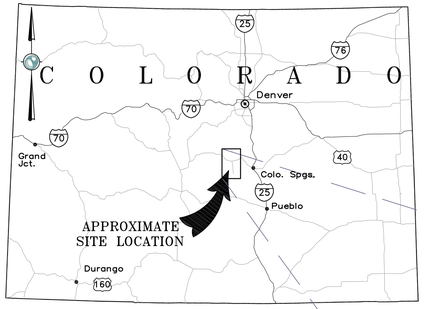
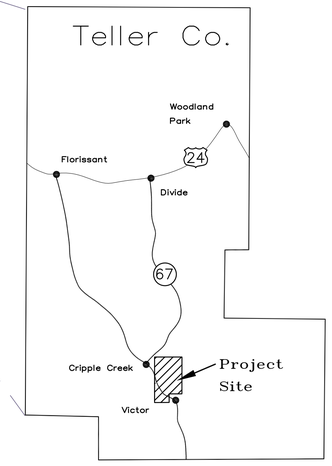
# Issued for Construction Drawings

# SQUAW GULCH
# VALLEY LEACH FACILITY
## ISSUED FOR CONSTRUCTION - RECORD OF CONSTRUCTION
## NOVEMBER 2014




LOCATION MAP
NTS




| ABBREVIATIONS LEGEND | |
|---|---|
| ADS | ADVANCED DRAINAGE SYSTEM |
| BVCE | BEGIN VERTICAL CURVE ELEVATION |
| BVCS | BEGIN VERTICAL CURVE STATION |
| CPe | CORRUGATED POLYETHYLENE |
| CFS | CUBIC FEET PER SECOND |
| DIA. | DIAMETER |
| DCF | DRAIN COVER FILL |
| ea. | EACH |
| EVCE | END VERTICAL CURVE ELEVATION |
| EVCS | END VERTICAL CURVE STATION |
| F.O.S. | FACTOR OF SAFETY |
| FT. | FEET |
| GCL | GEOSYNITHETIC CLAY LINER |
| HDPE | HIGH DENSITY POLYETHYLENE |
| LLDPE | LINEAR LOW DENSITY POLYETHYLENE |
| LVSC | LOW VOLUME SOLUTION COLLECTION |
| NTS | NOT TO SCALE |
| OSA | ORE STORAGE AREA |
| O.D. | OUTSIDE DIAMETER |
| PCPE | PERFORATED CORRUGATED POLYETHYLENE |
| pcf | POUNDS PER CUBIC FOOT |
| psf | POUNDS PER SQUARE FOOT |
| PSSA | PREGNANT SOLUTION STORAGE AREA |
| SCH | SCHEDULE |
| SDR | STANDARD DIMENSION RATIO |
| SLF | SOIL LINER FILL |
| SS | STAINLESS STEEL |
| TYP | TYPICAL |

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|---|---|---|---|
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| ADR PLANT PLATFORM TOP OF SECONDARY LINER GRADING PLAN | A205 | 1 | 01/24/14 |
| ADR PLANT PLATFORM TOP OF PRIMARY LINER GRADING PLAN | A206 | 1 | 01/24/14 |
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| ADR PLANT PLATFORM SECTIONS AND DETAILS | A208 | 0 | 01/24/14 |
| ADR PLANT PLATFORM ACCESS ROAD PLAN AND PROFILE | A209 | 0 | 01/24/14 |
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| PHASE 2 SQUAW GULCH GRADING PLAN ISOPACH | A211 | 2 | 02/13/14 |
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| PHASE 2 SURFACE WATER DIVERSION CHANNEL PLAN AND PROFILE SHEET 1 OF 2 | A520 | 0 | 01/07/13 |
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| ~~NORTH TIMBER WALL PROFILE VIEW~~ | ~~A805~~ | ~~1~~ | ~~02/13/14~~ |
| SOUTH TIMBER WALL PROFILE VIEW | A806 | 0 | 01/07/13 |

## PREPARED FOR:

CC&V
CRIPPLE CREEK & VICTOR GOLD MINING COMPANY

## PREPARED BY:

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Phone: 303-935-6505
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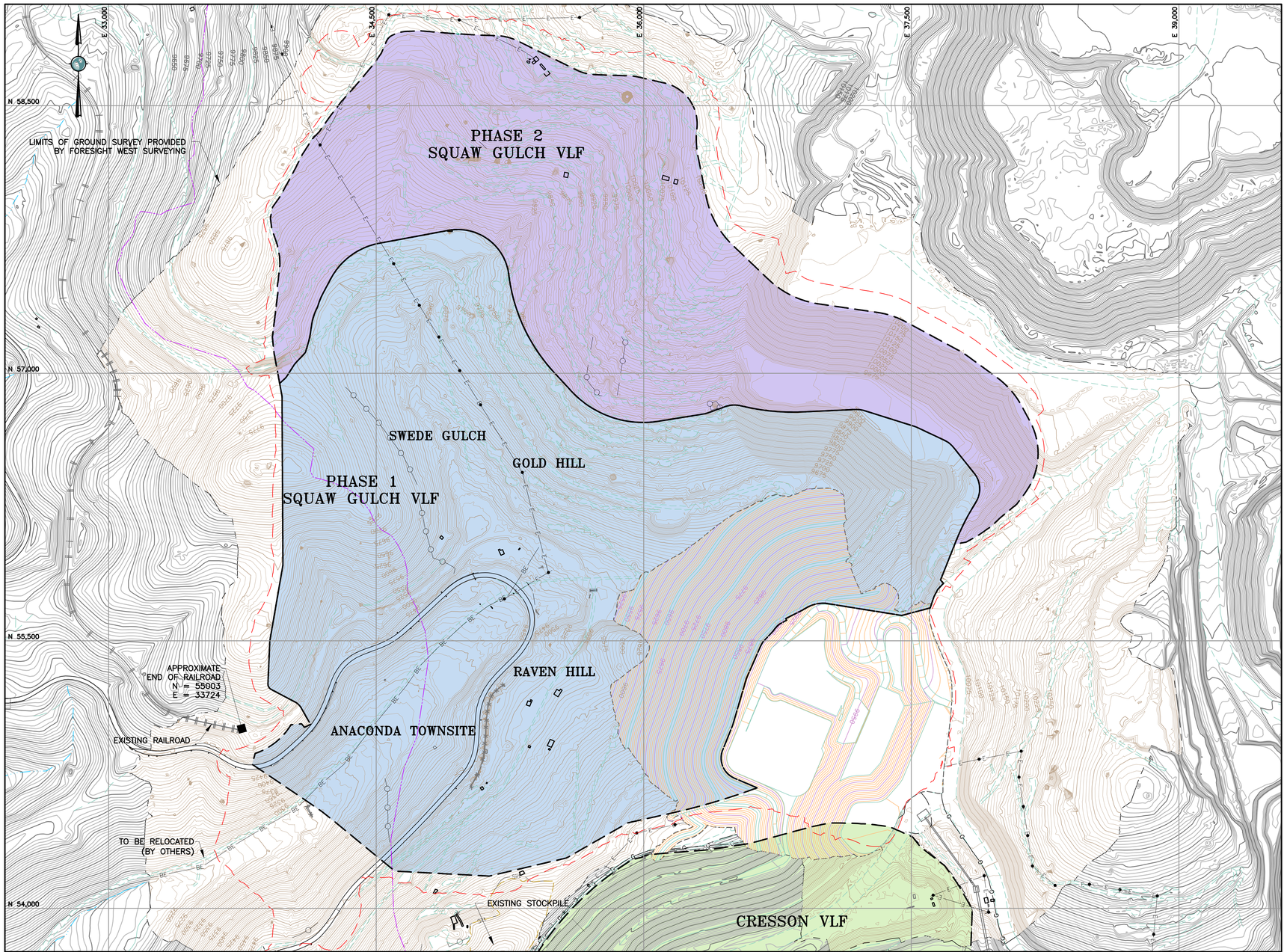


## LEGEND:

- EXISTING GROUND SURFACE CONTOUR EL, FEET (AERIAL SURVEY)
- EXISTING GROUND SURFACE CONTOUR EL, FEET (LAND SURVEY)
- MILL PLATFORM GROUND SURFACE CONTOUR EL, FEET
- HIGHWAY 67
- EXISTING ROADS
- EXISTING DRAINAGES
- DIATREME BOUNDARY
- EXISTING RAILROAD
- EXISTING POWER CABLE
- EXISTING UNDERGROUND POWER CABLE
- EXISTING FENCE
- EXISTING WATER LINE
- EXISTING GAS LINE
- EXISTING CRIB WALL
- SQUAW GULCH VLF BOUNDARY (LIMITS OF LINER)
- SILT FENCE
- EXISTING BUILDING
- EXISTING CULVERT
- PHASE 1
- PHASE 2
- CRESSON VLF

## NOTE:

1. FOR INFORMATION ONLY – TO BE CONFIRMED BY CONTRACTOR.
2. UPDATED EXISTING GROUND TO INCLUDE MILL PLATFORM.

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)

| | | | |
|---|---|---|---|
| 2 | 02/13/14 | REVISED LINER LIMITS RE-ISSUED FOR CONSTRUCTION | MN / PBS |
| 1 | 08/15/13 | REVISED HAUL ROAD RE-ISSUED FOR CONSTRUCTION | MN / PBS |
| 0 | 01/07/13 | ISSUED FOR CONSTRUCTION | JNM / CMT |

DISCLAIMER

AMEC PRODUCED THE INFORMATION PRESENTED ON THIS DRAWING THROUGH THE USE OF TECHNICAL INFORMATION AND PRACTICAL EXPERIENCE SPECIFIC TO ITS EFFORTS. RECEIVING THIS DRAWING DOES NOT GUARANTEE ANY RIGHTS TO SUCH TECHNICAL INFORMATION AND PRACTICAL EXPERIENCE. ANY ALTERATION OR ADAPTATION OF THE DATA OR CONTENTS OF THIS DRAWING SHALL BE AT USER'S SOLE RISK AND WITHOUT ANY LIABILITY OR LEGAL RESPONSIBILITY TO AMEC.

ISSUED FOR RECORD OF CONSTRUCTION

CLIENT: CRIPPLE CREEK & VICTOR GOLD MINING COMPANY

PROJECT: SQUAW GULCH VLF

TITLE: EXISTING SITE CONDITIONS

| | | | |
|---|---|---|---|
| DESIGNED BY | JNM | CHECKED BY | JNM |
| DRAWN BY | DS | APPROVED BY | JNM |
| FILENAME | 1125G | DRAWING No. | A020 |
| | | REV | 2 |

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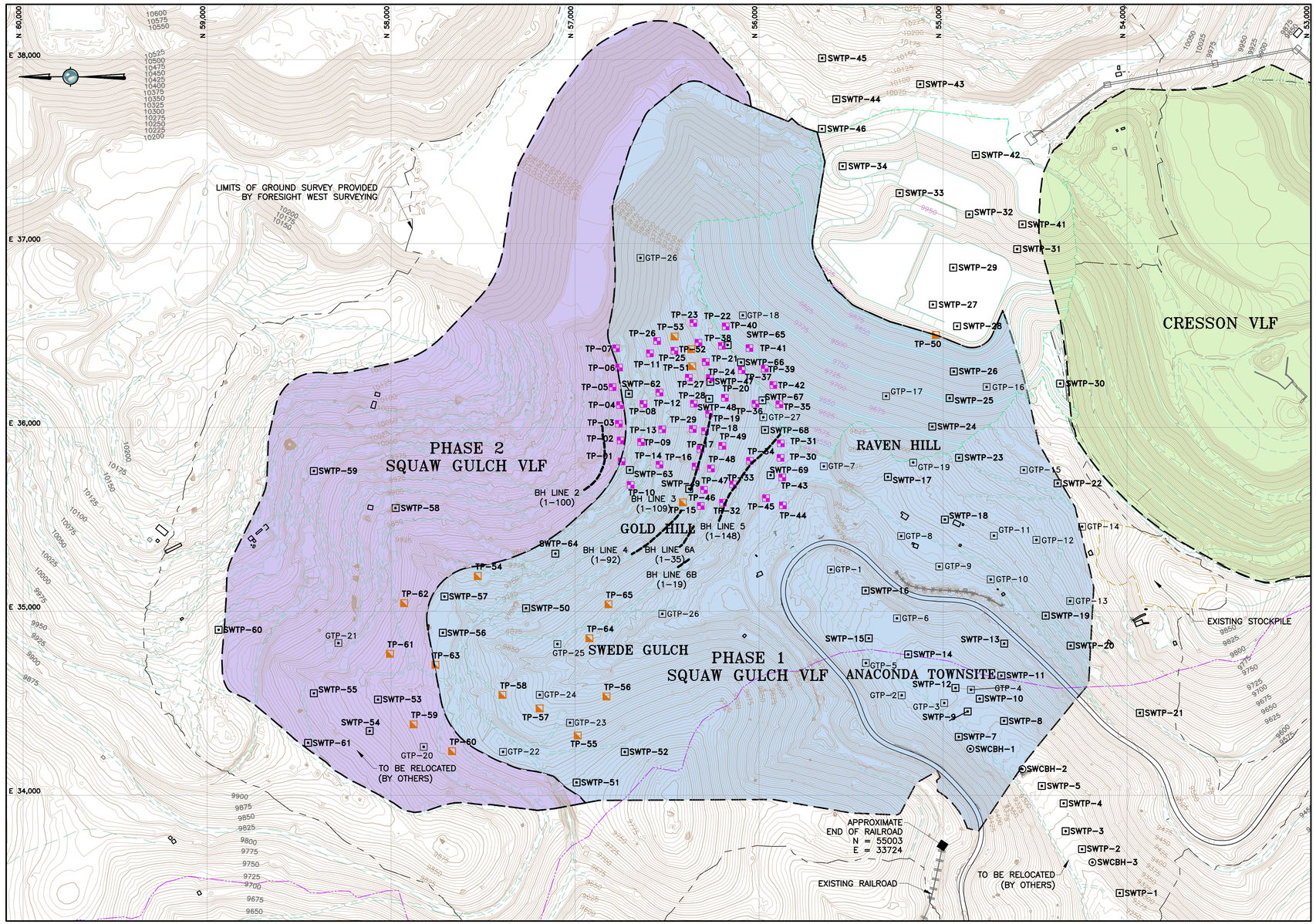


300 0 300 600 FEET

## LEGEND:

- EXISTING GROUND SURFACE CONTOUR EL, FEET (AERIAL SURVEY)
- EXISTING GROUND SURFACE CONTOUR EL, FEET (LAND SURVEY)
- MILL PLATFORM GROUND SURFACE CONTOUR EL, FEET
- HIGHWAY 67
- EXISTING ROADS
- EXISTING DRAINAGES
- DIATREME BOUNDARY
- EXISTING RAILROAD
- EXISTING CRIB WALL
- SQUAW GULCH VLF BOUNDARY (LIMITS OF LINER)
- EXISTING BUILDING
- GTP-18 GOLDER ASSOCIATES TEST PIT 2004
- SWTP-34 SMITH WILLIAMS TEST PIT JUNE 2007
- SWCBH-2 SMITH WILLIAMS BOREHOLE JUNE 2007
- TP-65 AMEC TEST PIT JULY 2010
- TP-45 AMEC TEST PIT JUNE 2010
- AMEC BOREHOLE LINE
- PHASE 1
- PHASE 2
- CRESSON VLF

## NOTE:

1. FOR GEOTECHNICAL INVESTIGATION DATA, REFER TO APPENDIX A OF THE REPORT.
2. FOR INFORMATION ONLY – TO BE CONFIRMED BY CONTRACTOR.
3. REMOVED EXISTING UTILITIES FROM DRAWING.
4. UPDATED EXISTING GROUND TO INCLUDE MILL PLATFORM.
5. DRAWING IS A NEW ADDITION TO THE ISSUED FOR CONSTRUCTION SET.

## 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)
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- VLF2 TOPO EXPANSION 8-05-11.DWG (RECV AUGUST 9, 2011)
- 09028-COMOSITE-TOPO MLE LIMITS.DWG (RECV MAY 28, 2010 FROM CC&V)

| | | | |
|---|---|---|---|
| 1 | 02/13/14 | REVISED LINER LIMITS/RE-ISSUED FOR CONSTRUCTION | MEN / PBS |
| 0 | 01/07/13 | ISSUED FOR CONSTRUCTION | JNM / DS |


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ISSUED FOR RECORD OF CONSTRUCTION

| | |
|---|---|
| CLIENT | CRIPPLE CREEK & VICTOR GOLD MINING COMPANY |
| PROJECT | SQUAW GULCH VLF |
| TITLE | GEOTECHNICAL INVESTIGATION |

| | | | |
|---|---|---|---|
| DESIGNED BY | JNM | CHECKED BY | JNM |
| DRAWN BY | DS | APPROVED BY | JNM |

| FILENAME | DRAWING No. | REV |
|---|---|---|
| 1125GM116 | A25 | 1 |

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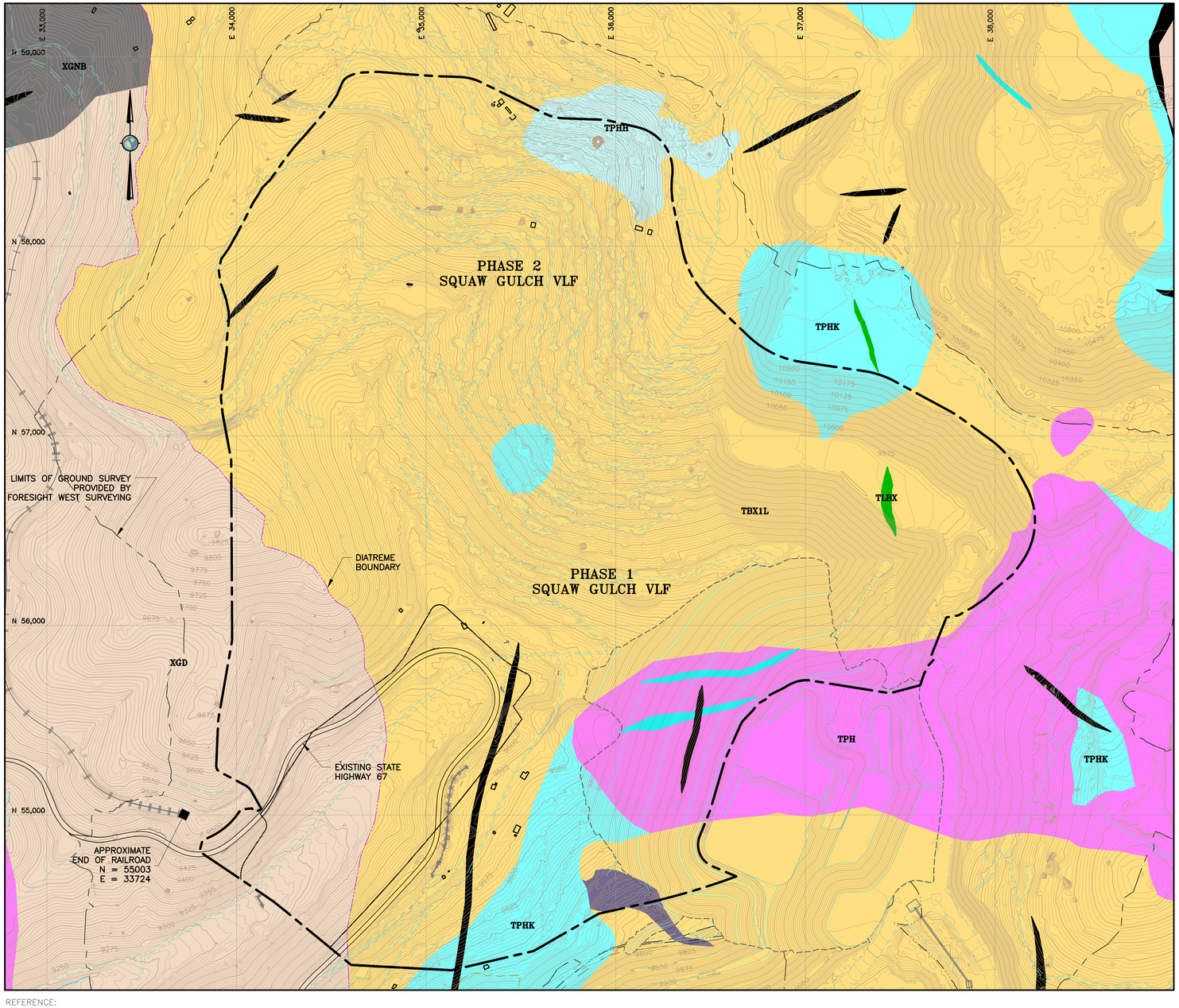


REFERENCE:

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

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- 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)

300 0 300 600 FEET

## EXPLANATION

**TERTIARY**

**PHONOLITES**

- THBX – HYDROTHERMAL BRECCIA – LATE STAGE BRECCIA PIPES CONSISTING OF ANGULAR TO ROUNDED, HETEROLITHIC CLASTS IN A ROCK FLOUR MATRIX. TYPICALLY ASSOCIATED WITH PERVASIVE ARGILLIC ALTERATION.

**LAMPROPHYRES**

- TLB – BIOTITE BEARING – LAMPROPHYRE DIKE DARK-GREEN, FINE-TO MEDIUM-GRAINED PORPHYRY WITH BIOTITE PHENOCRYSTS IN A FINE-GRAINED GROUNDMASS CONSISTING OF ANALCIME, ALKALI FELDSPAR, BIOTITE, HORNBLENDE AND MINOR MAGNETITE.
- TLBX – LAMPROPHYRE BRECCIA – LATE-STAGE LAMPROPHYRIC BRECCIA PIPE CONSISTING OF BOTH MATRIX AND CLAST SUPPORTED HETEROLITHIC BRECCIA WITH ABUNDANT DARK-GREEN LAMPROPHYRE CLASTS AND VARIABLE LATE CARBONATE ALTERATION.

**PHONOLITES**

- TSY – TEPHRIPHONOLITE – GREY, MEDIUM-TO FINE-GRAINED INTRUSIVE COMPOSED OF ORTHOCLASE, PLAGIOCLASE, PYROXENE AND MINOR HORNBLENDE AND ANALCIME, COMMONLY OCCURING AS SMALL TO MEDIUM SIZED STOCKS.
- TPHD – PHONOLITE DIKE (SAME AS TPH)
- TPH – PHONOLITE – GRAY, BROWN OR PINK, APHANITIC PHONOLITE COMPOSED OF FINE-GRAINED ORTHOCLASE, NEPHELINE, MINOR AEGIRINE-AUGITE, AND ANALCIME.
- TPHK – FELDSPAR BEARING – PLAGIOCLASE PHONOLITE LIGHT-TO MEDIUM-GRAY, PORPHYRY WITH SUBHEDRAL TO EUHEDRAL, MEDIUM-TO COARSE-GRAINED PHENOCRYSTS OF ALKALI FELDSPAR WITH MINOR AMOUNTS OF FELDSPATHOIDS, GLASSY APATITE AND PYROXENES.
- TPHH – HORNBLENDE YROXENE BEARING – PLAGIOCLASE PHONOLITE GREY, MEDIUM-GRAINED PORPHYRY WITH EUHEDRAL TO SUBHEDRAL HORNBLENDE, AEGIRINE-AUGITE, AND ALKALI FELDSPAR PHENOCRYSTS.
- TPHB – BIOTITE BEARING – PLAGIOCLASE PHONOLITE GRAY, FINE-GRAINED PORPHYRY WITH EUHEDRAL BIOTITE AND ALKALI FELDSPAR PHENOCRYSTS.

**BRECCIAS**

- TBX1L – CRIPPLE CREEK LAPILLI BRECCIA – GENERALLY MASSIVE, STRUCTURELESS, MATRIX SUPPORTED BRECCIA THAT IS POORLY SORTED, TYPICAL OF DIATREMAL CRATER FILL BRECCIA. CLASTS ARE SUB-ANGULAR TO SUB-ROUNDED AND PRIMARILY COMPOSED OF VARIOUS PHONOLITE UNITS WITH OCCASIONAL PRECAMBRIAN FRAGMENTS. COMMONLY SHOWS VARYING DEGREES OF HYDROTHERMAL ALTERATION.

**PRECAMBRIAN**

- XGD – GRANODIORITE – MASSIVE TO FOLIATED, MEDIUM-TO COARSE-GRAINED, HORNBLENDE- BIOTITE GRANODIORITE. LOCALLY OCCURS AS AN AUGEN GNEISS. INCLUDES DIABASE DIKES AND SCHISTOSE LENSES.
- XGNB – BIOTITE GNEISS STRONGLY FOLIATED, BIOTITE-QUARTZ-PLAGIOCLASE GNEISS TO SCHIST, WHICH IS LOCALLY MIGMATITIC.

## NOTE:

1. GEOLOGY MAP WAS PROVIDED BY CC&V TO AMEC ON JULY 20, 2007 IN A DRAWING CALLED INTERPRETIVE GEOLOGICAL MAP OF THE CRIPPLE CREEK MINING DISTRICT.
2. REMOVED EXISTING UTILITIES FROM DRAWING.
3. UPDATED EXISTING GROUND TO INCLUDE MILL PLATFORM.

## LEGEND:

- EXISTING GROUND SURFACE CONTOUR EL, FEET (AERIAL SURVEY)
- EXISTING GROUND SURFACE CONTOUR EL, FEET (LAND SURVEY)
- MILL PLATFORM GROUND SURFACE CONTOUR EL, FEET
- STATE HIGHWAY 67
- EXISTING ROADS
- EXISTING DRAINAGES
- EXISTING RAILROAD
- SQUAW GULCH VLF BOUNDARY (LIMITS OF LINER)
- DIATREME BOUNDARY
- PSSA LIMITS
- EXISTING BUILDING

ISSUED FOR RECORD OF CONSTRUCTION

| | | | |
|---|---|---|---|
| CLIENT | CRIPPLE CREEK & VICTOR GOLD MINING COMPANY | | |
| PROJECT | SQUAW GULCH VLF | | |
| TITLE | SITE GEOLOGY MAP | | |

| | | | |
|---|---|---|---|
| DESIGNED BY | JNM | CHECKED BY | JNM |
| DRAWN BY | DS | APPROVED BY | KFM |
| FILENAME | 1125GM03 | DRAWING No. | A40 |
| REV | 1 | | |

| | | | |
|---|---|---|---|
| 1 | 02/13/14 | LIMITS OF LINER/RE-ISSUED FOR CONSTRUCTION | MEN / PBS |
| 0 | 01/07/13 | ISSUED FOR CONSTRUCTION | JNM / CMT |

DISCLAIMER

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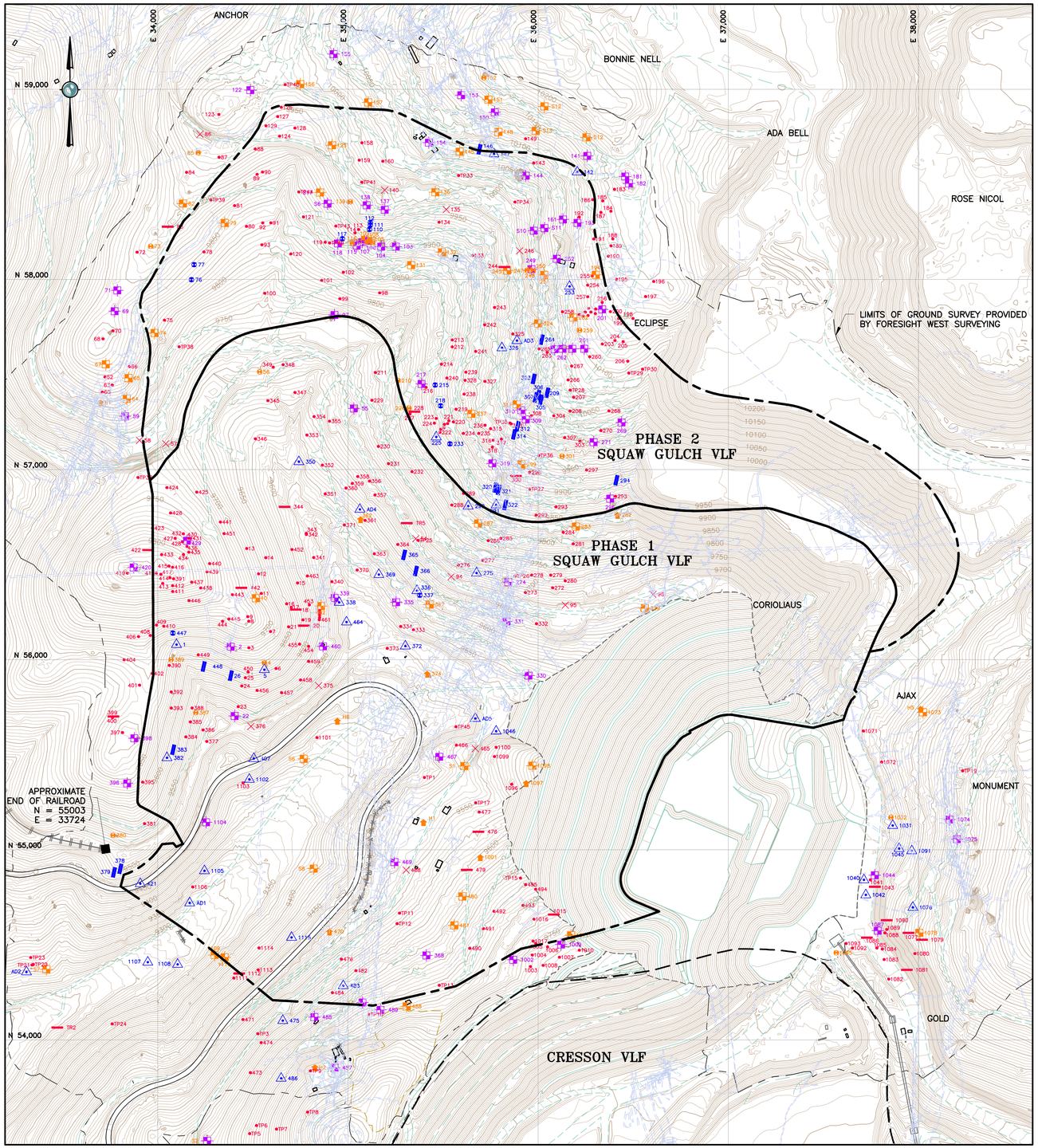


## LEGEND:

- EXISTING GROUND CONTOUR AND EL, FEET (AERIAL SURVEY)
- EXISTING GROUND CONTOUR AND EL, FEET (LAND SURVEY)
- MILL PLATFORM GROUND SURFACE CONTOUR EL, FEET
- PAVED ROAD
- EXISTING UNPAVED ROADS
- UNDERGROUND WORKINGS
- PROPOSED LIMITS OF SQUAW GULCH
- EXISTING PHASE LIMITS
- EXISTING BUILDING
- DEEP OR TIMBERED SHAFT
- OPEN OR COLLAPSED ADIT
- TEST PIT OR CONICAL SURFACE WORKING
- DEPRESSION
- ROAD CUT, SAMPLE LOCATION, OR FEATURE OF INTEREST
- COLLAPSED SHAFT
- TRENCH
- SLOT MINE OR OPEN/COLLAPSED STOPE
- SHALLOW SHAFT OR SURFACE WORKING
- HISTORIC BUILDING REMAINS

## NOTE:

1. FOR INFORMATION ONLY, CONTRACTOR TO VERIFY. SEE DRAWING A65.
2. REMOVED EXISTING UTILITIES FROM DRAWING.
3. UPDATED EXISTING GROUND TO INCLUDE MILL PLATFORM.

300 0 300 600 FEET

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)

ISSUED FOR RECORD OF CONSTRUCTION

| | | | |
|---|---|---|---|
| 1 | 02/13/14 | LINER LIMITS/RE-ISSUED FOR CONSTRUCTION | MEN / PBS |
| 0 | 01/07/13 | ISSUED FOR CONSTRUCTION | JNM / CMT |

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CLIENT: CRIPPLE CREEK & VICTOR GOLD MINING COMPANY

PROJECT: SQUAW GULCH VLF

TITLE: HISTORIC UNDERGROUND WORKINGS

| | | | |
|---|---|---|---|
| DESIGNED BY | JNM | CHECKED BY | JNM |
| DRAWN BY | DS | APPROVED BY | KFM |
| FILENAME: 1125GM04 | | DRAWING No.: A60 | REV: 1 |

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| Surface Disturbance ID | Date Observed Visually | Northing (6) | Easting | Type of Disturbance | Timbers Present | Development Rock Pile Size | Comments |
|---|---|---|---|---|---|---|---|
| AD–1 | 5/3/2007 | 54719.86 | 34167.53 | Collapsed Adit | | 20'x30' | Collapsed Adit, stone lined wall (?) |
| AD–2 | 5/3/2007 | 54357.27 | 33309.16 | Open Adit | | minimal | Open Adit in bedrock, unsupported, trends N |
| AD–3 | 5/8/2007 | 57678.02 | 35888.56 | Collapsed Adit | x | 30'x40' | Collapsed Adit in bedrock, few degraded timbers, trends NE |
| AD–4 | 5/9/2007 | 56790.21 | 35062.60 | Capped Adit | | large | Adit capped with metal culvert, trending east, (?) |
| AD–5 | 5/9/2007 | 55690.16 | 35669.50 | Collapsed Adit | x | large | Collapsed Adit in bedrock, few degraded timbers, ore chute attached, trends E |
| AL–UN–1 | 11/7/2006 | 59060.75 | 35714.14 | Open Shaft/SW | | Ext. 20' | 8' x 4' wide, ~25° deep, 6' to BR, several TP down slope |
| AL–UN–2 | 11/7/2006 | 59185.37 | 34924.15 | Open Shaft??? | X | 100' x 100' | Shaft not visible – only buildings and WR visible |
| Anaconda7 | 11/13/2006 | 57027.02 | 35911.89 | TP/CS??? | | | Looks like small TP. In location of Anaconda shaft. |
| A–UN–1 | 11/13/2006 | 57476.65 | 35976.83 | Slot Mine/Open Stope | X | | 10' x 30', trends S, 2' to BR |
| A–UN–10 | 11/10/2006 | 57171.12 | 35464.24 | Collapsed Adit/Shaft | | Ext. 30' | 15' dia., 7' deep |
| A–UN–11 | 11/9/2006 | 57672.74 | 36447.01 | TP | | | 2 Small TP |
| A–UN–12 | 11/9/2006 | 57569.56 | 36471.18 | TP | | | Small TP |
| A–UN–13 | 11/9/2006 | 57380.25 | 36186.48 | Shaft/Slot Mine | | | 2' — 4' wide, trends SSW |
| A–UN–14 | 11/10/2006 | 57761.14 | 35718.93 | TP/SM | | | TP/SM |
| A–UN–15 | 11/10/2006 | 57852.42 | 35770.91 | TP/SM | | | TP/SM |
| A–UN–16 | 11/10/2006 | 57829.45 | 36127.74 | TP/SM | | Ext. 10' | TP/SM |
| A–UN–17 | 11/10/2006 | 57732.62 | 36218.47 | Open Shaft/SM | | Ext. 15' | 7' x 4' x 15' deep, 6' to BR |
| A–UN–18 | 11/10/2006 | 57635.52 | 36242.63 | Open Shafts | Boards | | 4 closely spaced shafts between A–UN–18 and A–UN–19, 1 timbered. Width from 2' x 2' to 4' x 6' |
| A–UN–19 | 11/10/2006 | 57635.13 | 36128.45 | Open Shafts | Boards | | 4 closely spaced shafts between A–UN–18 and A–UN–19, 1 timbered. Width from 2' x 2' to 4' x 6' |
| A–UN–20 | 11/10/2006 | 57616.61 | 36047.66 | TP/SM | | | TP/SM |
| A–UN–21 | 11/10/2006 | 57683.28 | 36018.89 | Slot Mine | | | |
| A–UN–22 | 11/10/2006 | 57634.65 | 36004.79 | TP | | | TP |
| A–UN–23 | 11/13/2006 | 56637.93 | 35803.92 | TP/SM | | | Group of 3 – 5 TP/SM |
| A–UN–24 | 11/13/2006 | 56625.53 | 35737.39 | TP | | | Small TP |
| A–UN–25 | 11/13/2006 | 56716.45 | 35684.71 | CS/TP | | Ext. 5' – 10' | 2 small TP or backfilled shafts |
| A–UN–26 | 11/13/2006 | 56813.09 | 35546.42 | TP | | | TP |
| A–UN–27 | 11/13/2006 | 56874.08 | 35608.02 | SM?? | | 10' dia. | Small WR pile, no obvious source |
| A–UN–28 | 11/13/2006 | 56760.11 | 35988.97 | TP/SM | | | Cluster of 5 TP/SM, largest 8' x 8' x 7' deep |
| A–UN–29 | 11/13/2006 | 56984.68 | 35954.86 | TP | | | Small TP |
| A–UN–30 | 11/13/2006 | 56966.20 | 35883.56 | Trench | | | 15' x 4' x 2' deep, trends W |
| A–UN–31 | 11/13/2006 | 57070.29 | 36125.80 | Open Shaft/SM | | Ext. 15' | 4' x 5' x 20' deep, 6' to BR |
| A–UN–32 | 11/13/2006 | 57167.50 | 36139.71 | TP | | | 3 TP |
| A–UN–33 | 11/13/2006 | 57282.68 | 36082.20 | TP | | | TP |
| A–UN–34 | 11/13/2006 | 57391.71 | 36000.94 | Slot Mine | | | 45° x 3' — 6' wide, trends W, joins A–UN–5 |
| A–UN–35 | 11/13/2006 | 57282.26 | 35963.29 | TP/SM | | | 2 large TP/SM |
| A–UN–36 | 11/13/2006 | 57263.96 | 35934.81 | Open Shaft | X | 20' x 20' | 2' x 4' wide |
| A–UN–37 | 11/13/2006 | 57312.46 | 35910.84 | Open Shaft | X | ? | 2 shafts, ~2' x 4' wide |
| A–UN–38 | 11/13/2006 | 57342.73 | 35886.94 | CS | X | ? | CS or possibly old building |
| A–UN–39 | 11/13/2006 | 57227.34 | 35892.13 | Slot Mine | | | 10' x 20' x 15' deep, may be partially collapsed |
| A–UN–4 | 11/13/2006 | 57379.52 | 35986.71 | Slot Mine/Open Stope | | | Trends SW |
| A–UN–40 | 11/13/2006 | 57239.35 | 35858.80 | TP | | | TP |
| A–UN–41 | 11/13/2006 | 57214.68 | 35749.48 | TP/SM | | | 4 TP/SM |
| A–UN–42 | 11/13/2006 | 57153.99 | 35763.98 | TP/SM | | | 3 TP/SM |
| A–UN–43 | 11/13/2006 | 57160.23 | 35806.75 | TP | | | 2 TP |
| A–UN–44 | 11/13/2006 | 57117.55 | 35759.34 | TP | | | 2 TP |
| A–UN–45 | 11/13/2006 | 57032.53 | 35759.66 | Open Shaft | | 20' x 20' | 3' x 3' wide, 2' to BR |
| A–UN–46 | 11/13/2006 | 56892.99 | 35793.46 | Slot Mine/Open Stope | X | | 4' x 20' wide, 2' to BR |
| A–UN–5 | 11/13/2006 | 57367.51 | 36015.28 | Slot Mine | X | | 40° x 1' — 5' wide, trends NNE, 4' to BR |
| A–UN–7 | 11/13/2006 | 57184.79 | 35873.25 | Slot Mine | X | | Giant slot (100' long, 3' – 20' wide, very deep), trends S |
| A–UN–7 | 11/13/2006 | 56905.04 | 35774.40 | Slot Mine | X | | S end of Anaconda, several side drifts visible |
| A–UN–8 | 11/13/2006 | 56807.37 | 35632.05 | CS/Collapsed Adit | | Ext. 10' | Small building remains, CS, or collapsed adit |
| A–UN–9 | 11/13/2006 | 56813.95 | 35779.50 | Trench/Collapsed Adit | | 15' x 25' | 10' x 25' x 5' — 6' deep |
| A–UN–9 | 11/13/2006 | 56814.12 | 35827.07 | TP/SM/Collapsed Drift | | | 10' x 20', trends N/S |
| BB–UN–1 | 11/17/2006 | 55351.56 | 34448.16 | TP/SM | | Ext. 10' | 8' dia., 3' deep |
| Bluebell | 11/17/2006 | 55369.90 | 34481.39 | Adit | | 30' x 15' | Trends N, 5° x 5' wide |
| Bluebell | 11/17/2006 | 55479.29 | 34504.78 | Adit | | | Capped with steel grate, trends NNW |
| Buchanan | 11/17/2006 | 55158.80 | 38164.12 | ??? | | 2 piles 15'x15' ea. | WR from Buchanon shaft (directly uphill, outside leach pad) |
| Burch | 11/16/2006 | 55488.92 | 35479.93 | Open Shaft | Boards | Large – 50' x 100' | Hat capped with concrete/steel grate, 3' x 6' wide |
| Chicken Hawk | 11/16/2006 | 53853.39 | 34929.30 | Open Shaft | Boards | Large – 300' x 300' | Buildings/head frame present. Capped with steel grate. |
| CH–UN–12 | 11/16/2006 | 54363.83 | 35041.62 | TP/SM | | | 5' x 8' x 3' deep |
| CH–UN–13 | 11/16/2006 | 54247.98 | 34918.36 | TP | | | TP |
| CH–UN–14 | 11/16/2006 | 54120.12 | 34823.67 | Open Shaft | X | 50' x 20' | 4' x 5' wide, 4' to BR |
| CH–UN–15 | 11/16/2006 | 53797.60 | 34648.84 | Open Stope/Adit | X | 20' x 30' | Smaller pits on either side |
| CH–UN–16 | 11/16/2006 | 54157.81 | 35170.82 | Open Shaft | | Relatively Small | Partially collapsed, 4' x 4' wide, at least 15' to BR, WR recently disturbed |
| CH–UN–8 | 11/16/2006 | 54284.64 | 34975.31 | Collapsed Adit | X | 30' x 40' | Trends SE |
| CH–UN–9 | 11/16/2006 | 54101.26 | 34657.25 | Open Shaft | X | 50' x 50' | Trends SE, 3' – 4' to BR |
| Crayton | 11/16/2006 | 54684.08 | 36258.29 | Open Shaft | | 20' x 40' | Capped with 10' x 10' steel grate, partially collapsed, located in cone 20' dia., x 5' – 7' deep |
| C–UN–10 | 11/13/2006 | 56846.55 | 36378.71 | Open Shaft | X | 30' x 50' (est.) | Large shaft, 7' to BR, at least 5' x 5' wide |
| C–UN–4 | 11/10/2006 | 57247.56 | 36439.08 | Open Shaft | Boards | | 2' x 4' wide |
| C–UN–5 | 11/10/2006 | 57204.67 | 36329.83 | TP/SM | | | TP/SM |
| C–UN–6 | 11/10/2006 | 57143.81 | 36292.00 | Open Shaft | Boards | | 2' x 4' wide |
| C–UN–7 | 11/13/2006 | 56761.65 | 36417.10 | Wall | | | Old rock wall |
| C–UN–8 | 11/13/2006 | 56943.85 | 36411.64 | Slot Mine/Collapsed Stope | X | | Trends NE, 6' to BR, 4' wide, 20' long, trends NE |
| C–UN–9 | 11/13/2006 | 56858.78 | 36407.22 | TP/SM | | Ext. 10' | 4' to BR |
| DJ–UN–13 | 11/16/2006 | 55107.90 | 37545.88 | CS??? | X | 40' x 40' | Shaft not visible – only buildings and WR visible |
| DJ–UN–14 | 11/16/2006 | 55127.32 | 37864.53 | Collapsed Adit | X | | Trends E |
| DJ–UN–15 | 11/17/2006 | 56266.01 | 37046.83 | SM | | | In general location of historical adit, 15' dia., 6' deep |
| DJ–UN–16 | 11/17/2006 | 55323.28 | 36669.78 | TP/SM | | | 15' dia., 7' deep |
| DJ–UN–17 | 11/17/2006 | 55377.70 | 36602.98 | TP/SM | | | 15' dia., 8' deep |
| DJ–UN–18 | 11/17/2006 | 55670.16 | 36854.01 | CS/SM | | | 12' dia., 6' deep |
| DJ–UN–19 | 11/17/2006 | 55670.35 | 36911.09 | TP/SM | | | 5' x 15' x 3' – 4' deep |
| DJ–UN–2 | 11/17/2006 | 55991.29 | 36657.78 | Collapsed Adit/Building | X | | |
| DJ–UN–20 | 11/17/2006 | 55652.13 | 36911.16 | TP/SM | | | 5' x 10' x 2' – 3' deep |
| DJ–UN–21 | 11/17/2006 | 55591.12 | 36844.80 | Open Shaft/SM | | | BR at 7', 15' deep, 15' dia., at top, 5' x 4' wide at base |
| DJ–UN–22 | 11/17/2006 | 55554.49 | 36792.61 | Trench/Collapsed Drift/SM | X | | TP/SM 15' dia., 6' deep. Adjoining trench or collapsed drift trends SSE, 25' x 10' x at least 10' deep |
| DJ–UN–23 | 11/17/2006 | 55420.52 | 36683.69 | TP/SM | | | 10' x 8' x 5' deep |
| DJ–UN–24 | 11/17/2006 | 55533.24 | 37596.61 | TP/SM | | | 8' dia., 4' deep |
| DJ–UN–25 | 11/17/2006 | 55624.75 | 37710.44 | TP/SM | | Ext. 10' – 15' | 10' dia., 5' deep |
| DJ–UN–26 | 11/17/2006 | 55461.11 | 37806.21 | TP | | | Small TP |
| DJ–UN–27 | 11/17/2006 | 55723.11 | 38024.02 | CS | X | | Buildings present, WR recently disturbed |
| DJ–UN–9 | 11/16/2006 | 55156.95 | 37659.86 | Adit | X | | WR recently disturbed, trends E |
| Dr. Jackpot | 11/17/2006 | 55207.60 | 36589.34 | Open Shaft | | | 10' x 10' concrete cap |
| E. Porter | 11/7/2006 | 58545.37 | 35934.83 | Open Shaft | | 50' x 100' | Huge hole/partially collapsed shaft, 40' dia., at least 15' to BR |
| GG–UN–10 | 11/9/2006 | 60143.17 | 37731.53 | Open Shaft | | Ext. 30' | 3' — 4' dia, 6'– 7' to BR |
| GG–UN–11 | 11/9/2006 | 58541.22 | 36458.07 | TP | | | Group of small TP |
| GG–UN–12 | 11/9/2006 | 58504.86 | 36477.22 | TP | | | Small TP |
| GG–UN–13 | 11/9/2006 | 58474.22 | 36401.23 | TP | | | Small TP |
| GG–UN–14 | 11/9/2006 | 58358.76 | 36382.63 | TP | | | 15' dia, 8' deep |
| GG–UN–15 | 11/9/2006 | 58413.25 | 36339.63 | TP | | | 3 small TP |
| GG–UN–16 | 11/9/2006 | 58419.10 | 36287.29 | TP | | | Small TP |
| GG–UN–17 | 11/9/2006 | 58352.45 | 36330.35 | TP | | | Small TP |
| GG–UN–18 | 11/9/2006 | 58213.06 | 36392.68 | TP | | | Large TP, channel on south side |
| GG–UN–19 | 11/9/2006 | 58176.56 | 36383.31 | TP | | | Small TP |
| GG–UN–20 | 11/9/2006 | 58121.84 | 36369.25 | TP | | | Group of small TP |
| GG–UN–21 | 11/9/2006 | 58212.65 | 36292.80 | Open Shaft | X | Ext. 30' | Partially collapsed |
| GG–UN–22 | 11/9/2006 | 58327.76 | 36216.28 | TP/SM/CS | | Ext. 20' | Large TP, SM, or small CS |
| GG–UN–23 | 11/9/2006 | 58297.34 | 36206.89 | TP | | | 2 Small TP |
| GG–UN–24 | 11/9/2006 | 58024.44 | 36303.01 | TP | | | 2 TP, 10' dia., 4' deep |
| GG–UN–25 | 11/9/2006 | 58000.53 | 36412.51 | TP | | | Small TP |
| GG–UN–26 | 11/9/2006 | 57989.12 | 36607.56 | TP | | | 2 TP, 8' dia., 3' deep |
| GG–UN–27 | 11/9/2006 | 57910.02 | 36565.04 | TP | | | 10' dia., 5' deep |
| GG–UN–28 | 11/9/2006 | 57794.40 | 36498.88 | TP/SM | | Ext. 15' | 10' dia., 3' deep |
| GG–UN–29 | 11/9/2006 | 57794.09 | 36422.78 | Open Shaft | X | At least 20' x 30' | Partially collapsed |
| GG–UN–30 | 11/9/2006 | 57830.36 | 36379.85 | TP/CS/SM | | | Continuous line of deep TP, SM, and/or collapsed shafts between GG–UN–29 and GG–UN–30 |
| GG–UN–31 | 11/9/2006 | 57842.39 | 36336.97 | TP | | | Small TP |
| GG–UN–32 | 11/9/2006 | 57799.30 | 36184.93 | TP | | | TP |
| GG–UN–33 | 11/9/2006 | 57660.16 | 36337.67 | TP/SM | | | 15' dia, 4' deep |
| GG–UN–34 | 11/9/2006 | 57678.64 | 36404.18 | TP | | | TP |
| GG–UN–35 | 11/10/2006 | 58047.01 | 35836.79 | SM/CS??? | | Ext. 10' | 15' dia., 8' deep |
| GG–UN–36 | 11/10/2006 | 58047.36 | 35941.44 | Open Shaft/SM | X | | 3' x 4' wide, 7' to BR |
| GG–UN–37 | 11/10/2006 | 58053.53 | 35955.68 | Open Shaft/Stope/SM | | | 2' x 2' wide |
| GG–UN–38 | 11/10/2006 | 58053.58 | 35965.18 | Open Shaft | X | | 5' x 2' wide |
| GG–UN–39 | 11/10/2006 | 58047.50 | 35974.74 | Open Shaft/Stope/SM | | | 3' x 3' wide |
| GG–UN–40 | 11/10/2006 | 58023.42 | 36031.90 | TP/Small CS, SM | | | |
| GG–UN–41 | 11/10/2006 | 57963.21 | 36165.29 | Adit | X | | Trends NE |
| GG–UN–42 | 11/10/2006 | 57969.64 | 36260.40 | TP/SM | | | TP/SM |
| GG–UN–43 | 11/10/2006 | 58018.27 | 36284.02 | TP/SM | | | TP/SM |
| GG–UN–44 | 11/10/2006 | 57878.78 | 36336.86 | TP/SM | | Ext. 10' | TP/SM |
| GG–UN–45 | 11/10/2006 | 57908.90 | 36260.63 | TP | | | TP |
| GG–UN–46 | 11/13/2006 | 57768.23 | 35999.55 | CS??? | | 25' x 25' | No obvious shaft or source of WR |
| GG–UN–47 | 11/13/2006 | 57713.08 | 35866.56 | TP/SM | | | 10' x 15' x 4' deep |
| GG–UN–7 | 11/13/2006 | 57640.03 | 35809.74 | Collapsed Adit??? | X | 50' x 25' | No obvious shaft or source of WR. Rail lines present. |
| GG–UN–8 | 11/7/2006 | 58315.30 | 36130.71 | Open Shaft | X | ? | 4' x 3' wide, 6' to BR |
| GG–UN–8 | 11/10/2006 | 58065.19 | 35822.45 | Trench | | | 15' x 25' x 4' deep, trends W |
| GG–UN–9 | 11/9/2006 | 59922.72 | 37247.24 | Open Shaft | | Ext. 30' | 3' — 4' dia, 1'– 2' to BR |
| Gilmore | 11/16/2006 | 54878.50 | 36309.91 | CS??? | X | | Timbers in pit 12' x 12' x 6' deep |
| Golden Wedge | 11/16/2006 | 54528.30 | 36824.96 | Shaft | X | 40' x 40' | Buildings/head frame present. WR recently disturbed. |
| Grace Greenwood | 11/10/2006 | 58108.68 | 36098.18 | Open Shaft | X | large | Head frame present |
| G–UN–1 | 11/16/2006 | 55005.98 | 37898.30 | Trench/Collapsed Adit | | 20' x 20' | Trends ESE, 35° x 10' x 5' deep |
| G–UN–1 | 11/17/2006 | 54994.09 | 37964.94 | Trench/Collapsed Adit | | | 40° x 10' x 4' deep, trends WNW |
| G–UN–2 | 11/16/2006 | 54841.36 | 37713.37 | Collapsed Adit/Slot Mine | | 10' x 15' | Trends ESE, 5° x 10' x 4' deep |
| G–UN–2 | 11/17/2006 | 54696.53 | 37970.81 | Adit | X | 30' x 30' | Trends E |
| G–UN–3 | 11/16/2006 | 54841.47 | 37746.68 | TP/SM | | Ext. 10' | 6' dia., 3' deep |
| G–UN–4 | 11/16/2006 | 54762.40 | 37723.20 | Adit | X | 40' x 50' | Trends ESE |
| G–UN–5 | 11/16/2006 | 54805.10 | 37770.60 | Trench | | | Trends E, 25' x 8' x 4' deep |
| G–UN–6 | 11/16/2006 | 54865.82 | 37770.38 | Open Shaft | | Ext. 15' | Partially collapsed, 6' x 4' wide |
| GW–UN–1 | 11/16/2006 | 54723.21 | 36971.69 | CS/SM??? | X | | Building foundations nearby, hole 10' dia., 4' deep |
| GW–UN–4 | 11/16/2006 | 54674.58 | 36971.90 | CS/SM | | | 15' dia., 6' deep |
| H–1 | 5/2/2007 | 55137.01 | 35396.67 | Building Structure | | – | House |
| H–2 | 5/2/2007 | 53846.68 | 34825.74 | Building Structure | | – | Small degraded structure 25'x10' |
| H–3 | 5/3/2007 | 55177.91 | 36276.49 | Building Structure | | – | Metal frame approximately 25' tall |
| H–4 | 5/3/2007 | 55401.84 | 36393.49 | Building Structure | | – | 10'x20' degraded stone structure |
| H–5 | 5/3/2007 | 55732.44 | 38010.59 | Building Structure | | – | Collapsed wooden structure (shaft remnants?) |
| H–6 | 5/3/2007 | 55669.80 | 34943.90 | Building Structure | | – | 20'x20' Stone Foundation |
| Howard | 11/14/2006 | 56200.81 | 35834.07 | Open Shaft | | | 3' x 3' steel and concrete cap |
| H–UN–10 | 11/13/2006 | 56522.22 | 35709.20 | TP | | | 10' dia., 6' deep, trench extends E from TP |
| H–UN–11 | 11/13/2006 | 56444.20 | 35966.37 | TP | | | TP |
| H–UN–12 | 11/13/2006 | 56444.57 | 36066.26 | TP/SM | | Ext. 10' | 8' dia., 6' deep |
| H–UN–13 | 11/13/2006 | 56414.50 | 36142.47 | TP | | | Small TP |
| H–UN–14 | 11/14/2006 | 56189.25 | 35991.08 | TP/SM | | Ext. 10' | 15' dia., 5' deep |
| H–UN–15 | 11/14/2006 | 56156.50 | 35344.26 | TP/SM | | | 40' x 5' — 20', 8' deep max., trends NE |
| H–UN–16 | 11/14/2006 | 56174.45 | 35277.61 | TP/SM | | Ext. 10' | 10' dia., 6' deep |
| H–UN–17 | 11/14/2006 | 56301.92 | 35253.35 | Open Shaft | X | 50' x 30' | Major shaft, capped with 4' x 6' steel grate, appears ~30' deep |
| H–UN–18 | 11/14/2006 | 56353.02 | 35362.56 | Collapsed Adit/CS??? | X | | |
| H–UN–19 | 11/14/2006 | 56338.77 | 35376.92 | Trench/Collapsed Drift | | | 20' x 8' x 5' deep |
| H–UN–20 | 11/14/2006 | 56290.42 | 35429.40 | SM/CS??? | X | | 6' x 6' x 2' deep |
| H–UN–21 | 11/14/2006 | 56071.27 | 35301.79 | Adit | | | Capped with steel grate, trends N |
| H–UN–22 | 11/14/2006 | 56058.80 | 35206.69 | TP/SM | | | TP/SM, steel in base |
| H–UN–23 | 11/14/2006 | 55925.99 | 35416.47 | Building | | | Old building foundation |
| H–UN–5 | 11/13/2006 | 56377.82 | 36076.01 | TP/SM | | | 12' dia., 6' deep |
| H–UN–6 | 11/13/2006 | 56352.98 | 35933.40 | SM | | | 10' x 20' x 5' deep, trends N from slot mine. Collapsed adit or drift? |
| H–UN–7 | 11/13/2006 | 56407.30 | 35842.83 | Open Shaft | | | 10' to BR, drift visible trending N |
| H–UN–8 | 11/13/2006 | 56455.30 | 35676.15 | Collapsed Adit??? | | Ext. 15' | |
| H–UN–9 | 11/13/2006 | 56497.41 | 35580.88 | TP | | | 2 Small TP |
| International | 11/7/2006 | 58719.60 | 35425.27 | Open Shaft | X | 200' x 300' | Buildings/head frame present. |
| IN–UN–1 | 11/2/2006 | 57280.54 | 33827.55 | Open Shaft | X | large – 100s of ft2 | Major shaft. Depth not known. |
| IN–UN–10 | 11/2/2006 | 57833.01 | 33773.23 | Open Shaft | | 20' x 30' | ~5' to BR, ~8' dia., depth not known |
| IN–UN–11 | 11/2/2006 | 57729.74 | 33764.08 | TP | | | 4 TP, 5–15° dia., 2–6' deep |
| IN–UN–12 | 11/2/2006 | 57942.35 | 33787.12 | Open Shaft | Boards | 20' x 50' | 4' x 3' opening, timber remnants of building nearby |
| IN–UN–13 | 11/2/2006 | 57718.37 | 33982.94 | CS | X | 50' x 50' | ~15° deep, 20' dia |
| IN–UN–14 | 11/2/2006 | 57785.34 | 34035.02 | | | | Center of series of 4 depressions, 3' deep, 7' dia, trends N/S |
| IN–UN–2 | 11/2/2006 | 57407.66 | 33708.17 | TP (4) | | | 10' dia. |
| IN–UN–3 | 11/2/2006 | 57486.69 | 33722.14 | TP | | | 30' x 6' x 4' deep |
| IN–UN–4 | 11/2/2006 | 57444.28 | 33760.37 | TP | | | Small TP, 5' dia. (5) |
| IN–UN–5 | 11/2/2006 | 57371.71 | 33836.72 | CS (8) | X | large (index) | |
| IN–UN–6 | 11/2/2006 | 57481.04 | 33845.84 | Lg TP/ CS | | Ext. 20' | Open pit 25' dia., 10' deep. 1° to BR |
| IN–UN–7 | 11/2/2006 | 57541.76 | 33850.39 | TP | | | 5' x 10' x 3' deep |
| IN–UN–8 | 11/2/2006 | 57553.47 | 33726.67 | TP/Sm CS | | Ext. 10' (veneer) | 2 TP 10–15° dia., 4' deep. Several adjacent sm. TP, steel present |
| IN–UN–9 | 11/2/2006 | 57687.05 | 33711.92 | TP | | | 2 TP 10' dia., 4' deep |
| Jack G. | 11/17/2006 | 55055.71 | 38202.56 | Shaft | X | 50' x 50' | Buildings present |
| Johnson | 11/16/2006 | 54935.45 | 35244.08 | Shaft | | Large – 300' x 300' | Concrete cap 10' x 15' located in conical depression 30' dia., 8' deep |
| JS–UN–10 | 11/16/2006 | 54640.07 | 37485.79 | Open Shaft | X | Ext. 15' | 2' x 6' wide |
| JS–UN–2 | 11/16/2006 | 54718.08 | 37228.61 | TP/SM | | Ext. 10' | 15' dia., 7' deep |
| JS–UN–3 | 11/16/2006 | 54730.43 | 37295.17 | TP/SM | | | 20' x 10' x 6' deep |
| JS–UN–4 | 11/16/2006 | 54785.24 | 37328.26 | TP/SM | | | 15' dia., 3' deep |
| JS–UN–5 | 11/16/2006 | 54682.28 | 37400.00 | Trench | | | Trends SE, 40' x 5' — 8' wide x 2' — 4' deep |
| JS–UN–6 | 11/16/2006 | 54585.00 | 37381.35 | CS | X | Ext. 15' | Cone 15' dia., 4' deep |
| JS–UN–7 | 11/16/2006 | 54602.97 | 37305.16 | TP | | | 4 small TP |
| JS–UN–8 | 11/16/2006 | 54542.73 | 37438.58 | TP | | | 5' x 10' x 3' deep |
| JS–UN–9 | 11/16/2006 | 54573.12 | 37452.75 | TP | | | 10' dia., 4' deep |
| J–UN–10 | 11/7/2006 | 58684.12 | 35691.76 | Open Shaft/Slot mine | X | 20' x 30' (est.) | 10' – 30' deep, 5' – 9' to BR. NE trending drift joins base of slot/shaft |
| J–UN–11 | 11/7/2006 | 58660.15 | 35767.94 | Collapsed Adit | Boards | ? | Trends NE |
| J–UN–12 | 11/7/2006 | 58739.66 | 35934.14 | TP | | Ext. 10' | Group of 4 TP, largest is 8' x 8' x 3' deep |
| J–UN–13 | 11/7/2006 | 58878.79 | 35771.89 | Open Shaft | X | 50' x 100' | 4' x 2' wide |
| J–UN–14 | 11/7/2006 | 58945.48 | 35738.35 | CS | | 50' x 200' (est.) | Capped with concrete and steel grate |
| J–UN–15 | 11/7/2006 | 58969.21 | 35595.59 | Open Shaft | | 100' x 100' | Capped with steel grate, trends N |
| J–UN–3 | 11/7/2006 | 58775.61 | 35791.30 | TP/SM/CS | | Ext. 15' | 15' dia., 5' deep |
| J–UN–5 | 11/7/2006 | 58564.59 | 36205.88 | Collapsed Adit | Boards | 40' x 60' | Evidence of timber foundations (Roit?) down slope |
| J–UN–7 | 11/7/2006 | 58649.76 | 36257.91 | Open Shaft/Stope | X | Ext. 30' | 5' x 6' wide, more than 20' deep, 6' to BR |
| J–UN–8 | 11/7/2006 | 58612.33 | 35977.40 | TP/SW | | Ext. 15' | 15' dia., 7' deep |
| J–UN–9 | 11/7/2006 | 58671.60 | 35587.16 | TP or Backfilled SM | | Ext. 5' | 5' x 8' x 3' deep |
| Little Giant | 11/14/2006 | 56270.27 | 36561.62 | CS??? | X | 20' x 30' | No obvious shaft or source of WR |
| Mattie D. | 11/16/2006 | 55169.80 | 37854.87 | Open Shaft/SM | X | | 10' x 10' x 20' deep, BR at 5' |
| MG–UN–11 | 11/16/2006 | 54481.38 | 35640.60 | TP/SM | | | 8' dia., 4' deep |
| MG–UN–12 | 11/16/2006 | 54584.91 | 35711.58 | TP/SM | | 10' x 25' | 10' dia., 6' deep |
| MG–UN–13 | 11/16/2006 | 54676.20 | 35768.33 | TP/SM | | | TP/SM |
| MG–UN–14 | 11/16/2006 | 54707.16 | 35920.43 | TP/SM | | | TP/SM |
| MG–UN–15 | 11/16/2006 | 54792.38 | 35986.74 | TP/SM | | | 10' dia., 6' deep |
| MG–UN–16 | 11/16/2006 | 54816.51 | 35934.31 | TP/SM | | | 10' dia., 6' deep |
| MG–UN–17 | 11/16/2006 | 54901.54 | 35943.51 | Open Shaft | X | 40' x 40' (veneer) | 2' x 4' wide, WR recently disturbed |
| MG–UN–18 | 11/16/2006 | 54962.30 | 35943.28 | TP/SM | | | 8' dia., 5' deep |
| MG–UN–19 | 11/16/2006 | 55095.63 | 35866.68 | TP/SM | X | | 10' dia., 5' deep, timber at base |
| MG–UN–20 | 11/16/2006 | 55089.67 | 35904.76 | TP/SM | | | 15' dia., 4' deep |
| MG–UN–21 | 11/16/2006 | 54665.67 | 36201.26 | TP/SM | | | 8' dia., 3' — 4' deep |
| MG–UN–22 | 11/16/2006 | 54653.34 | 36148.98 | TP | | | 6' dia., 2' — 3' deep |
| MG–UN–23 | 11/16/2006 | 54659.13 | 36082.37 | Trench | | | 20' x 5' x 2' deep |
| MG–UN–24 | 11/16/2006 | 54634.45 | 35977.80 | TP | | | 15' x 25' |
| MG–UN–25 | 11/16/2006 | 54519.07 | 35973.46 | TP/SM | | | 6' dia., 3' deep |
| MG–UN–26 | 11/17/2006 | 55505.06 | 36554.94 | TP/SM | | | 15' dia., 7' deep |
| MG–UN–27 | 11/17/2006 | 55414.17 | 36612.36 | TP | | | Small TP |
| MG–UN–28 | 11/17/2006 | 55438.47 | 36607.50 | TP/SM | | | 8' x 12' x 3' deep |
| MG–UN–29 | 11/17/2006 | 55481.00 | 36621.63 | Depression/TP | | | 6' x 12' x 2' deep |
| MG–UN–30 | 11/17/2006 | 55535.82 | 36659.48 | Trench | | | Trends NW, 25' x 5' x 3' — 4' deep |
| MG–UN–31 | 11/17/2006 | 55627.33 | 36773.30 | Collapsed Adit/Stope/ | X | | Trends SE, 25' x 15' x 15' deep, 3' to BR. 2 drifts connect to main feature — they trend S and E |
| MG–UN–32 | 11/17/2006 | 55840.75 | 37000.84 | TP/SM | | | 10' x 15' x 6' deep |
| M–UN–2 | 11/16/2006 | 54569.81 | 34902.91 | Building/CS | X | | No WR pile so likely an old building |
| M–UN–3 | 11/16/2006 | 54424.29 | 34965.28 | TP/SM | | | 6' dia., 3' — 4' deep |
| M–UN–4 | 11/17/2006 | 54538.73 | 34703.22 | Trench/Collapsed Adit | | 30' x 15' | Trends E |
| North Star | 11/17/2006 | 55689.98 | 37286.82 | Slot Mine/Collapsed Stope | X | | Trends N 50°, S 30°. Up to 4' wide at base, 12' wide at top, greater than 30' deep |
| Peggy | 11/14/2006 | 55915.79 | 35949.28 | Open Shaft | | | 3' x 3' steel and concrete cap |
| Peterson Poorman | 11/17/2006 | 55623.64 | 35779.12 | Adit | | | 3' x 3' steel grate cover, trends SW |
| PP–UN–1 | 11/16/2006 | 55550.01 | 35570.08 | TP/SM | | | 3 TP/SM, largest is 6' dia., 4' deep |
| PP–UN–1 | 11/17/2006 | 55490.03 | 35770.08 | TP/SM | | Ext. 10' | 15' dia., 6' deep |
| PP–UN–2 | 11/17/2006 | 55538.64 | 35779.42 | TP/SM | | | 2 TP/SM, largest is 20' x 8' x 5' deep, trends N |
| P–UN–2 | 11/17/2006 | 55442.14 | 35970.07 | CS | X | 5' x 10' | Building remains present? |
| RH–B Shaft | 11/3/2006 | 58172.38 | 35251.28 | Open Shaft | | large – 100' x 300' | 3' – 9' to BR |
| RH–UN–1 | 11/3/2006 | 58172.11 | 35175.18 | Open Shaft | X | large – 100' x 300' | Major working, ~7' colluvium + 3' WR (?) above BR |
| RH–UN–10 | 11/3/2006 | 58262.75 | 35055.95 | TP | | | Small TP |
| RH–UN–11 | 11/3/2006 | 58244.48 | 35036.97 | TP | | | Small TP |
| RH–UN–12 | 11/3/2006 | 58177.72 | 35046.73 | Open Shaft | X | large – est. 50' | ~4' x 4' wide, 3' WR, 6' Colluvium to BR |
| RH–UN–13 | 11/3/2006 | 58189.77 | 35022.90 | Open Shaft/SW | | large – est. 50' | ~6' to BR, 5' x 10' x 20' deep |
| RH–UN–14 | 11/3/2006 | 58213.88 | 34970.49 | Depression | | | 5' x 5' x 2' deep, steel at base |
| RH–UN–15 | 11/3/2006 | 58189.49 | 34946.80 | Open Shaft | | Ext. 30' | ~4' to BR, 4' x 5' wide |
| RH–UN–16 | 11/3/2006 | 58195.34 | 34880.19 | TP | | | 4 TP, largest 9' dia, 3' deep |
| RH–UN–17 | 11/7/2006 | 58075.53 | 35332.49 | Backfilled Shaft/TP | | | 8' x 5' x 5' deep. Backfilled shaft, TP, or from road construction |
| RH–UN–18 | 11/7/2006 | 58125.30 | 35655.75 | TP | | | Group of small TP |
| RH–UN–19 | 11/7/2006 | 58300.76 | 35479.12 | TP/SW | | Ext. 10' | Large TP or SW |
| RH–UN–2 | 11/3/2006 | 58202.29 | 35122.74 | Depression/ CS | | large – 100' x 300' (veneer) | Depression ~10' x 6' x 4' deep. Given area and WR, may be CS |
| RH–UN–20 | 11/7/2006 | 58458.59 | 35459.51 | Backfilled Shaft/TP | | 30' x 30' (veneer) | In BR, 6' x 6' x 3' deep |
| RH–UN–3 | 11/3/2006 | 58202.20 | 35098.96 | Open Shaft | | large – 100' x 300' | Narrow (5' x 2' opening) partially collapsed shaft, 6' to BR |
| RH–UN–4 | 11/3/2006 | 58196.03 | 35075.21 | Open Shaft | X | large – 100' x 300' | Opening 6' x 4', 3' WR + 6' colluvium to BR |
| RH–UN–5 | 11/3/2006 | 58208.37 | 35122.72 | Structure | | large – 100' x 300' | Small (4.5' tall) wood and steel shack |

## NOTE:

1. TABLES INCLUDE WORKINGS THAT HAVE BEEN PREVIOUSLY REMEDIATED.
2. DRAWING IS A NEW ADDITION TO THE ISSUED FOR CONSTRUCTION SET.

ISSUED FOR RECORD OF CONSTRUCTION

| | | | |
|---|---|---|---|
| 0 | 01/07/13 | ISSUED FOR CONSTRUCTION | JNM / DS |

**DISCLAIMER**

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|---|---|---|---|---|---|---|---|
| RH-UN-6 | 11/3/2006 | 58208.23 | 35089.44 | Depression/ CS | | large ~ 100' x 300' | Depression ~8' dia., 4' deep. Given area and WR, may be CS |
| RH-UN-7 | 11/3/2006 | 58262.98 | 35113.01 | Depression | | | 5' dia., 2' deep |
| RH-UN-8 | 11/3/2006 | 58287.27 | 35117.68 | Depression/TP | | | 5' x 8' x 3' deep |
| RH-UN-9 | 11/3/2006 | 58299.42 | 35117.64 | Depression/TP | | | 5' x 10' x 3' deep |
| Ritten House | 11/7/2006 | 58142.93 | 35493.96 | CS | X | Large ~ 100' x 100' | Major shaft, buildings collapsed into shaft |
| S-1 | 5/2/2007 | 55440.28 | 35611.75 | Collapsed Shaft | | Regraded Spoil | Bureau of Reclamation Marker |
| S-10 | 5/8/2007 | 58256.45 | 35977.36 | Open Shaft | x | 30' dia | Open Shaft in bedrock, few degraded timbers, appears to trend north at 20° |
| S-11 | 5/8/2007 | 58269.88 | 36033.11 | Open Shaft | x | minimal | Open Shaft in bedrock, few timbers and debris (Covered in Snow) |
| S-12 | 5/8/2007 | 58747.23 | 36253.81 | Collapsed Shaft | | minimal | Collapsed Shaft in bedrock, collapsed at 13' deep, unsupported |
| S-13 | 5/8/2007 | 58781.90 | 35987.64 | Collapsed Shaft | | minimal | Collapsed Shaft in soil, collapsed at 5' opening 10' dia, unsupported |
| S-14 | 5/8/2007 | 58910.21 | 36032.92 | Collapsed Shaft | | large | Collapsed Shaft in fragmented bedrock, opening 8" dia, large stockpile downhill |
| S-16 | 5/9/2007 | 58398.32 | 34892.95 | Open Shaft | x | 10'x20' | Open Shaft in soil, degraded cribbing collapsed to 7' |
| S-17 | 5/9/2007 | 58457.21 | 34853.23 | Collapsed Shaft | | 40'x30' | Collapsed Shaft in fragmented bedrock, unsupported |
| S-2 | 5/2/2007 | 53469.25 | 34259.70 | Open Shaft | x | – | Open Shaft, in bedrock at 8', competent timber to 8' , deeper than 25' |
| S-4 | 5/3/2007 | 55578.29 | 36835.84 | Collapsed Shaft | | minimal | Collapsed Shaft in bedrock, open to 15' deep, unsupported |
| S-5 | 5/3/2007 | 55343.93 | 37218.03 | Collapsed Shaft | x | minimal | Collapsed Shaft in soil, open to 12' deep, unsupported, few timbers and pipes |
| S-6 | 5/3/2007 | 55478.39 | 34767.62 | Collapsed Shaft | | | Rock lined Collapsed Shaft or well |
| S-7 | 5/3/2007 | 54370.98 | 33414.16 | Collapsed Shaft | | 10'x30' | Collapsed Shaft in bedrock, open to 10' deep, unsupported |
| S-8 | 5/4/2007 | 54900.73 | 34820.01 | Collapsed Shaft | | Regraded Spoil | Collapsed Shaft in regraded spoil pile, fenced off |
| S-9 | 5/4/2007 | 55650.80 | 36280.49 | Collapsed Shaft | x | Regraded Spoil | Collapsed Shaft (Adit?), several buried and loose degraded timbers |
| TP-1 | 5/2/2007 | 55380.04 | 35401.92 | Test Pit | | minimal | 20'x10' Pit, 5' deep, fragmented bedrock at 2' |
| TP-10 | 5/2/2007 | 54133.91 | 35109.87 | Test Pit | | minimal | 25'x20' Pit, 3' deep, fragmented bedrock at 1/2' |
| TP-11 | 5/2/2007 | 54666.75 | 35271.16 | Test Pit | | – | 20'x15' Pit, possible subsidence? |
| TP-12 | 5/2/2007 | 54610.86 | 35258.33 | Test Pit | | – | 25'x10' Pit, 2' deep |
| TP-13 | 5/2/2007 | 54286.97 | 35480.10 | Test Pit | | minimal | 12'x12' Pit, 4' deep, fragmented bedrock at 4' |
| TP-14 | 5/3/2007 | 54844.55 | 35963.06 | Test Pit | | minimal | 15' dia Pit, 3' deep |
| TP-15 | 5/3/2007 | 54850.81 | 35907.21 | Test Pit | | minimal | 10' dia Pit, fragmented bedrock at 3' |
| TP-16 | 5/3/2007 | 55008.63 | 35942.47 | Test Pit | x | – | 15' dia Pit, 2' deep, few decomposed timbers, depression? |
| TP-17 | 5/3/2007 | 55246.87 | 35671.91 | Test Pit | x | – | 10' dia Pit, 3' deep, debris and few decomposed timbers |
| TP-18 | 5/3/2007 | 55499.25 | 36189.37 | Test Pit | | 10'x15' | 20'x20' Pit, 5' deep, fragmented bedrock at 3' |
| TP-19 | 5/3/2007 | 55415.12 | 38232.32 | Test Pit | | 20'x20' | 15'x20' Pit, 8' deep, fragmented bedrock at 3' |
| TP-20 | 5/3/2007 | 54396.87 | 33345.06 | Test Pit | | 10'x10' | 12'x6' Pit, 4' deep, fragmented bedrock at 2' |
| TP-21 | 5/3/2007 | 54393.55 | 33338.51 | Test Pit | | 6'x6' | 10'x10' Pit, 2' deep, fragmented bedrock at 2' |
| TP-23 | 5/3/2007 | 54432.92 | 33331.73 | Test Pit | | 10'x10' | 15'x15' Pit, 4' deep, fragmented bedrock at 3' |
| TP-24 | 5/3/2007 | 54083.89 | 33760.52 | Test Pit | | minimal | 20'x10' Pit, 5' deep |
| TP-25 | 5/8/2007 | 56627.68 | 35368.87 | Test Pit | | Regraded Spoil | 30' dia Pit, 15' deep |
| TP-26 | 5/8/2007 | 56440.00 | 35878.87 | Test Pit | | 8'x8' | 10' dia Pit, 3' deep, fragmented bedrock at 3' |
| TP-27 | 5/8/2007 | 56896.85 | 35955.20 | Test Pit | | minimal | 15'x5' and 10'x5' Pits, 3' deep, bedrock at 1' |
| TP-28 | 5/8/2007 | 57416.85 | 36169.10 | Test Pit | | minimal | 20'x5' Pit, 3' deep, bedrock at 1' |
| TP-29 | 5/8/2007 | 57507.18 | 36477.28 | Test Pit | | 10'x5' | 20'x8' Pit, 4' deep, bedrock at 1' |
| TP-3 | 5/2/2007 | 54032.22 | 34525.91 | Test Pit | | – | 30'x10' Depression, Possible Tunnel Subsidence? |
| TP-30 | 5/8/2007 | 57527.28 | 36549.41 | Test Pit | | minimal | 20'x10' Pit, 5' deep, fragmented bedrock at 3' |
| TP-33 | 5/8/2007 | 58546.55 | 35581.74 | Test Pit | | minimal | 15'x10' Pit, 4' deep |
| TP-34 | 5/8/2007 | 58406.96 | 35878.03 | Test Pit | | 20'x10' | 15' dia Pit, 8' deep, fragmented bedrock at 7' |
| TP-35 | 5/8/2007 | 57244.37 | 35851.51 | Test Pit | | Regraded Spoil | 7' dia Pit, 6' deep, bedrock at 5', fenced |
| TP-36 | 5/8/2007 | 57074.44 | 36003.49 | Test Pit | | minimal | 6' dia Pit, fragmented bedrock at 3' |
| TP-37 | 5/9/2007 | 56957.91 | 33895.95 | Test Pit | | 20'x8' | 15' dia Pit, 8' deep |
| TP-38 | 5/9/2007 | 57645.39 | 34112.23 | Test Pit | | 10'x10' | 20'x10' Pit, 7' deep |
| TP-39 | 5/9/2007 | 58417.97 | 34278.79 | Test Pit | | 5'x10' | 10' dia Pit, 5' deep, bedrock at 3' |
| TP-40 | 5/9/2007 | 59024.30 | 34669.54 | Test Pit | | 30'x20'/30'x30' | 25' dia Pit, 10' deep, fragmented bedrock at 3' |
| TP-41 | 5/9/2007 | 58510.95 | 35072.95 | Test Pit | | 5'x10' | 12' dia Pit, cut in hillside, bedrock at 5' |
| TP-42 | 5/9/2007 | 58191.51 | 34903.93 | Test Pit | | 10'x5' | 20' dia Pit, 5' deep, fragmented bedrock at 3' |
| TP-43 | 5/9/2007 | 58280.34 | 34936.28 | Test Pit | | 10'x15' | 15' dia Pit, 9' deep, fragmented bedrock at 2' |
| TP-44 | 5/9/2007 | 58459.89 | 34741.57 | Test Pit | | 8'x4' | 8' dia Pit, 3' deep |
| TP-45 | 5/9/2007 | 55646.92 | 35567.94 | Test Pit | | – | |
| TP-5 | 5/2/2007 | 53506.59 | 34482.79 | Test Pit | | 10' dia | 15'x10' Pit, bedrock at 3 to 4' |
| TP-6 | 5/2/2007 | 53549.47 | 34518.68 | Test Pit | | minimal | 20' dia Pit, 5' deep |
| TP-7 | 5/2/2007 | 53530.34 | 34623.87 | Test Pit | | minimal | 15'x10' Pit, 3' deep |
| TP-8 | 5/2/2007 | 53619.89 | 34787.57 | Test Pit | | 10'x20' | 15'x15' Pit, 6' deep |
| TP-9 | 5/2/2007 | 53836.70 | 34802.81 | Test Pit | | minimal | 20'x10' Pit, 3' deep, fragmented bedrock at 1' |
| TR-1 | 5/3/2007 | 55685.84 | 37291.70 | Trench | x | large | 90'x20' Trench, 20' deep, bedrock at 6', few degraded timbers |
| TR-2 | 5/4/2007 | 54069.18 | 33471.63 | Trench | | 50' dia | 50'x15' Trench, 5' deep, fragmented bedrock present |
| TR-4 | 5/4/2007 | 55723.00 | 36273.53 | Trench | x | minimal | 100'x20' Trench in bedrock, 30' deep, competent cribbing above trench |
| TR-5 | 5/8/2007 | 56722.59 | 35309.24 | Trench | | 60'x6' | 60'x7' Trench, 4' deep, fragmented bedrock at 3' |
| UN-1 | 11/2/2006 | 57321.34 | 35030.84 | Open Shaft | Boards | Small | ~25' deep, 6' to BR(1), Appears relatively recent |
| UN-10 | 11/2/2006 | 58387.92 | 34403.85 | TP | | | Small TP |
| UN-100 | 11/14/2006 | 57538.45 | 34606.69 | TP | | | TP |
| UN-101 | 11/14/2006 | 57040.94 | 34741.69 | Collapsed Adit | X | | Trends N/NE, 12' to BR |
| UN-102 | 11/14/2006 | 56871.42 | 34880.25 | TP/SM | | Ext. 15' | 15' dia., 4' deep |
| UN-103 | 11/14/2006 | 57023.17 | 34865.43 | TP | | | TP |
| UN-104 | 11/14/2006 | 57180.78 | 34784.00 | TP | | | 2 TP |
| UN-105 | 11/14/2006 | 57278.06 | 34821.70 | TP | | | 3 small TP |
| UN-106 | 11/14/2006 | 57254.10 | 34902.64 | TP/SM | | 30' x 40' | 20' dia, 10' deep |
| UN-107 | 11/14/2006 | 56939.05 | 35113.10 | TP/SM | | Ext. 15' | 10' dia., 6' deep |
| UN-108 | 11/14/2006 | 56866.27 | 35141.91 | TP | | | TP |
| UN-109 | 11/14/2006 | 56963.11 | 35051.17 | TP/SM | | Ext. 10' | TP/SM |
| UN1-1 | 11/14/2006 | 56325.00 | 34929.82 | Open Shaft | | | Capped with concrete and steel grate |
| UN-11 | 11/2/2006 | 58399.10 | 34132.68 | TP/ Small CS | | Ext. 5' | 15' dia., 7' deep |
| UN-110 | 11/14/2006 | 56926.60 | 35022.75 | TP | | | TP |
| UN-111 | 11/14/2006 | 56902.17 | 34989.55 | TP | | | TP |
| UN-112 | 11/14/2006 | 56732.51 | 35090.05 | TP | | | TP |
| UN-113 | 11/14/2006 | 56738.49 | 35066.24 | Pipe | | | 30" steel pipe, trends E |
| UN-114 | 11/14/2006 | 56556.55 | 35138.27 | TP/SM | | Ext. 15' | 15' dia., 8' deep |
| UN-115 | 11/14/2006 | 56605.61 | 35261.76 | TP | | | 3 TP |
| UN-116 | 11/14/2006 | 56551.04 | 35295.27 | Slot Mine/Trench | | | 25' x 8' x 4' deep, trends E |
| UN-117 | 11/14/2006 | 56466.24 | 35357.41 | Slot Mine/Trench | | | 10' x 5' x 3' deep, trends E |
| UN-118 | 11/14/2006 | 54444.14 | 35412.39 | Open Shaft | | | 2' x 2' wide, 12' to BR |
| UN-119 | 11/14/2006 | 56447.29 | 35162.47 | Trench/Collapsed Adit | | | 40' x 10' x 5' deep, trends E |
| UN1-2 | 11/14/2006 | 56300.80 | 34953.69 | Adit | | | Capped with 3' x 3' concrete and steel grate, trends W |
| UN-12 | 11/2/2006 | 58277.35 | 34052.26 | Trench | | 15' x 15' | N end of N/S trending trench. 5~15' wide, 50' long |
| UN-120 | 11/14/2006 | 56471.20 | 35048.20 | TP | | | TP |
| UN-121 | 11/14/2006 | 56707.78 | 34980.75 | ??? | | 20' x 40' | No obvious source of WR. Surface excavation? |

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| UN-122 | 11/15/2006 | 55569.54 | 34257.07 | TP/SM | | Ext. 10' | 12' dia., 4' deep |
| UN-123 | 11/15/2006 | 54899.84 | 33802.81 | TP/Slot Mine | | | 3' x 7' x 8' deep, 1' to BR |
| UN-124 | 11/15/2006 | 54881.51 | 33769.58 | TP/Slot Mine | | | Trends S, 5' x 20' x 3' deep |
| UN-125 | 11/15/2006 | 55075.80 | 33764.13 | Open Shaft/SM | | | 6' x 3.5' x ~25' deep, 0.5' to BR |
| UN-126 | 11/15/2006 | 55137.15 | 33930.40 | TP/SM | | Ext. 5' ~ 10' | 10' dia., 5' deep, 0.5' to BR |
| UN-127 | 11/15/2006 | 55483.73 | 34048.08 | Adit | | 20' x 25' | Trends WNW, 0.5' to BR |
| UN-128 | 11/15/2006 | 55526.35 | 34081.24 | TP/Slot Mine | | | 10' x 5' x 3' deep, 0.5' to BR |
| UN-129 | 11/15/2006 | 55593.37 | 34147.59 | TP | | | TP |
| UN-13 | 11/2/2006 | 58563.12 | 34151.13 | TP/SW | | Ext. 5' | 7' dia., 10' deep. Surrounded by group of smaller TP |
| UN-130 | 11/15/2006 | 55672.42 | 34171.09 | TP | | | TP |
| UN-131 | 11/15/2006 | 55630.14 | 34237.84 | TP | | | TP |
| UN-132 | 11/15/2006 | 55721.11 | 34199.45 | Open Shaft/SM | Boards | 15' x 25' | 3' x 6' x ~25' deep |
| UN-133 | 11/15/2006 | 55745.35 | 34180.33 | TP | | | TP |
| UN-134 | 11/15/2006 | 56000.00 | 34070.01 | Open Shaft/SM | Boards | 20' x 20' | 5' x 6' wide, ~30' deep, 1' to BR |
| UN-135 | 11/15/2006 | 55969.60 | 34060.60 | TP | | | TP |
| UN-136 | 11/15/2006 | 56425.16 | 34082.74 | TP | | | 2 TP |
| UN-137 | 11/15/2006 | 55829.99 | 34070.61 | TP/SM | | 5' x 10' | 4' x 4' x 4' deep, 0.5' to BR |
| UN-138 | 11/15/2006 | 55744.96 | 34070.92 | TP/SM | | | 4 TP/SM, three 5' x 5' x 3' deep, one 4' x 4' x 2' deep |
| UN-139 | 11/15/2006 | 55355.74 | 33920.10 | TP/SM | | 5' x 10' | 4' x 5' x 5' deep, 0.5' to BR |
| UN-14 | 11/2/2006 | 58666.60 | 34212.57 | Small Shaft or SW | | Ext. 5' | 10' wide, 18' deep, 4' to BR. Surrounded by smaller TP |
| UN-140 | 11/15/2006 | 55349.37 | 33839.26 | Open Shaft | Boards | Ext. 10' | 2.5' x 5' wide |
| UN-141 | 11/15/2006 | 55616.48 | 33814.52 | TP | | | 8' x 8' x 3' deep |
| UN-142 | 11/15/2006 | 55586.35 | 33876.46 | Open Shaft | X | Ext. 15' | 5' x 6' wide, 0.5' to BR |
| UN-143 | 11/15/2006 | 55701.38 | 33766.63 | Trench | | | 10' x 30' x 2' ~ 9' deep, trends SE |
| UN-144 | 11/15/2006 | 55695.25 | 33761.90 | TP/SM | | | 10' dia., 6' deep |
| UN-145 | 11/15/2006 | 55865.79 | 33904.01 | TP | | | 2 TP, 8' x 8' x 3' ~ 4' deep |
| UN-146 | 11/15/2006 | 55926.81 | 33970.36 | TP/SM | | | 3 TP/SM, 8' x 8' x 4' ~ 5' deep |
| UN-147 | 11/15/2006 | 55989.11 | 33822.65 | TP | | | 2 TP |
| UN-149 | 11/15/2006 | 56120.88 | 33898.31 | TP | | | 10' x 10' x 3' deep |
| UN-15 | 11/2/2006 | 58763.83 | 34221.72 | Slot mine or road cut | | | Cut ~20' wide on average, extends 100s of ft, trends E/W |
| UN-150 | 11/15/2006 | 56127.17 | 33960.13 | TP | | | 10' x 10' x 3' deep |
| UN-151 | 11/15/2006 | 56181.94 | 33993.23 | TP | | | 10' x 10' x 3' deep |
| UN-152 | 11/15/2006 | 56176.00 | 34031.31 | TP/SM | | | 10' x 7' x 4' deep |
| UN-153 | 11/15/2006 | 56358.34 | 34078.23 | TP | | | TP |
| UN-154 | 11/15/2006 | 56388.75 | 34078.11 | TP | | | TP |
| UN-155 | 11/15/2006 | 56400.65 | 34025.76 | TP/SM | | | 4' x 4' x 4' deep |
| UN-156 | 11/15/2006 | 56431.19 | 34063.68 | TP/SM | | Ext. 10' | 10' dia., 5 deep |
| UN-157 | 11/15/2006 | 56491.90 | 34058.71 | TP | | | TP |
| UN-158 | 11/15/2006 | 56485.87 | 34077.77 | TP | | | TP |
| UN-159 | 11/15/2006 | 56449.22 | 34016.05 | TP | | | TP |
| UN-16 | 11/2/2006 | 58642.70 | 34322.06 | TP | | | Group of 5 to 10 5' dia, 3~6' deep TP. Group trends E/W |
| UN-160 | 11/15/2006 | 56455.20 | 33992.26 | TP | | | TP |
| UN-161 | 11/15/2006 | 56454.66 | 33840.03 | SM | | | 20' x 10' x 12' deep, 0.5' to BR |
| UN-162 | 11/15/2006 | 56485.15 | 33873.22 | Open Shaft | X | Ext. 10' | ~4' x 6' wide, 0.5' to BR |
| UN-163 | 11/15/2006 | 56576.53 | 33948.99 | Trench | | | 25' x 6' x 2' ~ 3' deep |
| UN-164 | 11/15/2006 | 56691.96 | 33972.38 | TP | | | TP |
| UN-165 | 11/15/2006 | 56904.82 | 34047.70 | TP/SM | | Ext. 10' | 15' dia., 5' deep, flanked by 3 small TP |
| UN-166 | 11/15/2006 | 56881.08 | 34204.77 | TP | | | TP |
| UN-167 | 11/15/2006 | 56771.30 | 34067.21 | TP | | | TP |
| UN-168 | 11/15/2006 | 56637.79 | 34091.47 | TP | | | TP |
| UN-169 | 11/15/2006 | 56619.65 | 34129.61 | TP | | | TP |
| UN-17 | 11/2/2006 | 58685.90 | 34512.16 | TP | | | Small TP |
| UN-170 | 11/15/2006 | 56625.82 | 34153.38 | Open Shaft | X | Ext. 10' | 4' x 4' wide, 4' to BR |
| UN-171 | 11/15/2006 | 56638.01 | 34162.83 | TP | | | TP |
| UN-172 | 11/15/2006 | 56638.06 | 34172.35 | TP | | | TP |
| UN-173 | 11/15/2006 | 56662.20 | 34134.20 | TP | | | TP |
| UN-174 | 11/15/2006 | 56552.47 | 34020.44 | TP/SM | | | 12' dia, 4' deep, trench extends South (25' x 8' x 4' deep) |
| UN-175 | 11/15/2006 | 56552.88 | 34134.61 | TP/SM | | | TP/SM |
| UN-176 | 11/15/2006 | 56565.16 | 34163.09 | TP/SM | | | TP/SM |
| UN-177 | 11/15/2006 | 56595.47 | 34153.48 | TP/SM | | | TP/SM |
| UN-178 | 11/15/2006 | 56407.31 | 34177.93 | TP/SM | | Ext. 10' | 2 TP/SM, 10' x 10' x 4' deep |
| UN-179 | 11/15/2006 | 56377.09 | 34225.62 | TP/SM | | Ext. 10' | 10' x 15' x 5' deep |
| UN-18 | 11/2/2006 | 58552.33 | 34522.16 | TP/SM | | 30' x 30' (veneer) | 10' dia., 6' deep |
| UN-180 | 11/15/2006 | 56462.27 | 34258.60 | TP | | | TP |
| UN-181 | 11/15/2006 | 56504.81 | 34272.72 | TP/SM | | Ext. 10' | 2 TP/SM, 10' dia., 4' deep |
| UN-182 | 11/15/2006 | 56723.64 | 34329.02 | TP/SM | | Ext. 10' | 15' dia., 6' deep |
| UN-183 | 11/15/2006 | 56377.89 | 34439.66 | Trench | | | 30' x 8' x 3' ~ 4' deep, trends W |
| UN-184 | 11/15/2006 | 56341.29 | 34392.23 | TP/SM | | | 3 TP/SM |
| UN-185 | 11/15/2006 | 56201.39 | 34340.42 | TP/SM | | Ext. 15' | 10' x 20' x 6' deep |
| UN-186 | 11/15/2006 | 56213.66 | 34373.67 | TP/SM | | | 10' x 5' x 4' deep |
| UN-187 | 11/15/2006 | 56310.09 | 34164.02 | TP/SM | | | TP/SM |
| UN-188 | 11/15/2006 | 56139.76 | 34079.00 | Depression/TP | | | 10' x 5' x 2' deep |
| UN-189 | 11/15/2006 | 56079.05 | 34098.27 | Adit | | 10' x 25' | Trends N, 3' x 3' wide opening, 1' to BR |
| UN-19 | 11/2/2006 | 58564.57 | 34550.65 | TP | | | Small TP |
| UN-190 | 11/15/2006 | 56067.97 | 34383.70 | Open Shaft | Boards | 15' x 15' | 3' x 5' wide, 1' to BR |
| UN-191 | 11/15/2006 | 56062.25 | 34478.86 | TP | | | TP |
| UN-192 | 11/15/2006 | 55983.59 | 34560.02 | Open Shaft/SM | X | 50' x 15' | 3' x 5' wide, 1' to BR |
| UN-193 | 11/15/2006 | 55947.17 | 34560.14 | Adit | X | 50' x 15' | Trends N, stoped out inside, 1' to BR |
| UN-194 | 11/15/2006 | 55953.45 | 34621.96 | TP | | | TP |
| UN-195 | 11/15/2006 | 56147.68 | 34592.72 | TP/SM | | Ext. 10' max | Group of 4 ~ 5 TP/SM, largest is 6' x 10' x 6' deep |
| UN-196 | 11/15/2006 | 56201.92 | 34478.36 | TP/SM | | | 5' x 8' x 7' deep, 1' to BR |
| UN-197 | 11/15/2006 | 56226.21 | 34473.50 | TP/SM | | | 5' x 10' x 5' deep |
| UN-198 | 11/15/2006 | 56323.52 | 34515.96 | CS | X | Ext. 10' | Timbers in pit 15' x 15' x 3' deep |
| UN-199 | 11/15/2006 | 56347.89 | 34544.44 | TP/SM | | | 3 TP/SM, largest is 15' dia., 4' deep |
| UN-2 | 11/2/2006 | 57513.88 | 34535.44 | Small Shaft or SW (2) | | Ext. 10' (3) | ~10' deep, BR near base of excavation |
| UN-20 | 11/2/2006 | 58297.54 | 34594.42 | TP | | | Small TP |
| UN-200 | 11/15/2006 | 56451.11 | 34529.78 | TP/SM | | | 10' x 10' x 4' deep |
| UN-201 | 11/15/2006 | 56584.50 | 34467.45 | TP | | | 2 small TP |
| UN-202 | 11/15/2006 | 56536.23 | 34567.54 | TP | | | 2 small TP |
| UN-203 | 11/15/2006 | 56403.23 | 34734.50 | TP/SM | | 10' x 10' | 10' dia., 5' deep |
| UN-204 | 11/15/2006 | 56293.73 | 34677.82 | TP | | | Small TP |
| UN-205 | 11/15/2006 | 56275.61 | 34701.66 | TP | | | Small TP |

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|---|---|---|---|---|---|---|---|
| UN-206 | 11/15/2006 | 56263.55 | 34725.49 | Trench | | 10' x 20' | Trends S, 20' x 4' x 2' deep |
| UN-207 | 11/15/2006 | 56209.04 | 34763.73 | TP/SM | | 10' x 10' | 10' dia., 5' deep |
| UN-208 | 11/15/2006 | 56178.68 | 34768.61 | Trench | | 10' x 20' | Trends W, 10' x 25' x 3' ~ 8' deep |
| UN-209 | 11/15/2006 | 56172.31 | 34687.77 | TP | | | TP |
| UN-21 | 11/2/2006 | 58297.35 | 34551.63 | TP | | | Small TP |
| UN-210 | 11/15/2006 | 55703.64 | 34404.06 | Open Shaft | | 25' x 25' | 1' to BR, 25' deep, cone shaped (15' dia. at top, 6' dia. at base) |
| UN-211 | 11/15/2006 | 55752.29 | 34422.92 | SM | | 10' x 15' | 5' x 8' x 5' deep |
| UN-212 | 11/15/2006 | 55861.69 | 34441.53 | TP | | | Small TP |
| UN-213 | 11/15/2006 | 55904.28 | 34460.41 | TP | | | Small TP |
| UN-214 | 11/15/2006 | 55916.16 | 34384.25 | Slot Mine | | 15' x 25' | Trends N, 30' x 10' x 2~5' deep, 1' to BR |
| UN-215 | 11/15/2006 | 55964.19 | 34241.38 | Slot Mine | | 10' x 10' | Trends NE, 20' x 5' x 3' deep |
| UN-216 | 11/15/2006 | 56024.81 | 34212.62 | TP | | | 2 small TP |
| UN-217 | 11/15/2006 | 55934.67 | 34474.58 | TP/SM | | Ext. 10' | 7' dia., 6' deep, 1' to BR |
| UN-218 | 11/15/2006 | 56662.97 | 34348.27 | TP | | | TP |
| UN-219 | 11/15/2006 | 56579.26 | 34705.31 | TP/SM | | | 10' dia. |
| UN-22 | 11/2/2006 | 58181.96 | 34547.28 | TP | | | 10' dia, 3' deep |
| UN-220 | 11/15/2006 | 56288.10 | 34796.75 | TP/SM | | | 10' dia., 3' deep |
| UN-221 | 11/15/2006 | 56069.44 | 34792.80 | TP | | | TP |
| UN-222 | 11/15/2006 | 56081.41 | 34745.19 | TP | | | TP |
| UN-223 | 11/15/2006 | 55837.67 | 34522.50 | TP/SM | | | 10' dia., 4' deep, 1' to BR |
| UN-224 | 11/15/2006 | 55826.00 | 34650.98 | TP/SM | | | 2 TP/SM, largest 10' dia., 4' deep |
| UN-225 | 11/15/2006 | 55893.17 | 34750.63 | TP/SM | | | 12' dia., 5' deep |
| UN-226 | 11/15/2006 | 55990.47 | 34793.09 | TP/SM | | | 15' dia., 4' deep |
| UN-227 | 11/15/2006 | 56069.70 | 34868.92 | Shaft | | Large ~ 50' x 100' | 10' x 10' concrete cap with steel grate, 1' to BR |
| UN-228 | 11/15/2006 | 56209.35 | 34849.37 | TP/SM | | Ext. 10' | Continuous line of TP/SM between UN-228 and UN-229, trends NNW |
| UN-229 | 11/15/2006 | 56282.24 | 34858.62 | SM/Small CS | X | Ext. 15' | Second SM located ~20' N |
| UN-23 | 11/3/2006 | 57812.92 | 34929.14 | Open Shaft | X | large ~ 100' x 300' | Small building present, located in 5~10° cut, timbers @ bedrock. |
| UN-230 | 11/15/2006 | 56439.88 | 34786.69 | TP/SM | | 10' x 10' | 6' x 10' x 4' deep |
| UN-231 | 11/15/2006 | 56197.72 | 34992.11 | Collapsed Adit | X | | Trends W |
| UN-232 | 11/16/2006 | 54106.61 | 34447.90 | TP/SM | | Ext. 5' ~ 10' | 8' dia., 3' ~ 4' deep |
| UN-233 | 11/16/2006 | 53827.39 | 34486.98 | TP/SM | | | 3 TP/SM, largest is 10' dia., 4' deep |
| UN-234 | 11/16/2006 | 53985.46 | 34543.50 | TP/SM | | | TP/SM |
| UN-235 | 11/16/2006 | 55198.19 | 35690.30 | TP/SM | | Ext. 10' | 7' dia., 3' deep |
| UN-236 | 11/16/2006 | 55094.94 | 35685.92 | Trench | | | 3 Trenches, ~100' long each, 2 trend E, 1 trends SSE, 5' wide, 3' deep |
| UN-237 | 11/16/2006 | 54894.32 | 35624.80 | Trench | | | Trends S, at least 200' long, 6' wide, 3' deep |
| UN-238 | 11/16/2006 | 54754.53 | 35601.55 | CS | Boards | Ext. 10' | 3' x 5' wide, 6' to BR, 12' deep (may be collapsed, deeper) |
| UN-239 | 11/16/2006 | 54602.56 | 35559.28 | SM/CS??? | | 15' x 30' | Conical hole/depression 15' dia., 6' deep |
| UN-24 | 11/3/2006 | 57929.18 | 35166.55 | TP | | | 2 Small TP |
| UN-240 | 11/16/2006 | 54176.53 | 35308.71 | Shaft??? | X | 200' x 200' (veneer) | Shaft not visible ~ only buildings and WR visible |
| UN-241 | 11/16/2006 | 54961.38 | 35695.92 | Building/CS | X | | Old building or possibly collapsed shaft/SM |
| UN-242 | 11/16/2006 | 54421.50 | 35869.17 | Open Shaft | X | | ~4' x 4' wide, ~6' to BR |
| UN-243 | 11/16/2006 | 54385.39 | 35959.69 | TP | | | 10' dia., 6' deep |
| UN-244 | 11/16/2006 | 54446.18 | 35968.97 | TP | | | 2 small TP |
| UN-245 | 11/16/2006 | 54506.96 | 35987.78 | TP/SM | | Ext. 10' | 10' dia., 6' deep |
| UN-246 | 11/16/2006 | 54488.99 | 36049.68 | TP | | | Small TP |
| UN-247 | 11/16/2006 | 54434.54 | 36111.74 | TP | | | 4 small TP |
| UN-248 | 11/16/2006 | 54391.74 | 36026.25 | TP | | | Small TP |
| UN-249 | 11/16/2006 | 54501.40 | 36120.99 | Open Shaft | X | 10' x 25' | Capped by steel grate, 2' x 4' wide |
| UN-25 | 11/3/2006 | 57898.03 | 34957.38 | TP | | | 4 Small TP |
| UN-250 | 11/16/2006 | 54471.40 | 36216.24 | TP/SM | | | 8' dia., 3' deep |
| UN-251 | 11/16/2006 | 54550.16 | 36173.15 | SM/Slot Mine/CS | X | Ext. 15' | BR at 4' |
| UN-252 | 11/16/2006 | 54598.89 | 36211.03 | TP/SM | | | 15' dia., 6' deep |
| UN-253 | 11/16/2006 | 54551.24 | 36468.10 | TP/SM | | | 15' dia., 4' ~ 5' deep |
| UN-254 | 11/16/2006 | 54899.36 | 36390.08 | TP/SM | | | 10' dia., 5' deep |
| UN-255 | 11/16/2006 | 54930.40 | 37175.50 | CS | X | 20' x 30' | 7' dia., 8' deep |
| UN-256 | 11/16/2006 | 54634.33 | 37576.20 | Collapsed Adit | X | | Trends SE. Perpendicular trench/depression trends SW 25° and NE more than 50'. Feature is 10' wide x 3' ~ 5' deep |
| UN-257 | 11/17/2006 | 54562.87 | 37947.52 | Trench | | | Trends E, 30' x 6' x 3' deep |
| UN-258 | 11/17/2006 | 54563.09 | 38004.60 | ??? | | 20' x 30' | No obvious, nearby source of WR |
| UN-259 | 11/17/2006 | 54526.69 | 38019.01 | Trench | | 20' x 15' | Trends E 30', W 20'. 8' wide x 6' deep |
| UN-26 | 11/3/2006 | 57926.95 | 34562.48 | TP | | | 15' dia., 4~5' deep |
| UN-260 | 11/17/2006 | 54453.67 | 37981.23 | TP/SM | | | 8' dia., 4' deep |
| UN-261 | 11/17/2006 | 54368.47 | 37938.74 | Trench | | | Very long. Trends towards 300', 5' wide x 2' deep |
| UN-262 | 11/17/2006 | 54319.53 | 37843.79 | TP | | | 2 TP |
| UN-263 | 11/17/2006 | 54422.69 | 37819.61 | TP | | | 2 TP |
| UN-264 | 11/17/2006 | 54477.29 | 37809.89 | TP | | | TP |
| UN-265 | 11/17/2006 | 54483.26 | 37781.33 | TP | | | TP |
| UN-266 | 11/17/2006 | 54537.72 | 37728.79 | TP/Trench | | | 15' x 5' x 3' deep, intersected by longer trench trending 330° |
| UN-267 | 11/17/2006 | 54574.38 | 37785.74 | Open shaft | X | 10' x 10' | Partially collapsed, 4' x 6' wide |
| UN-268 | 11/17/2006 | 54562.39 | 37823.84 | TP/SM | | | 10' dia., 4' deep |
| UN-269 | 11/17/2006 | 54580.64 | 37833.29 | TP/SM | | | 10' dia., 4' deep |
| UN-27 | 11/3/2006 | 57994.88 | 34861.88 | TP | | | 10' x 20' x 5' deep, 6' x 6' x 3' deep |
| UN-270 | 11/17/2006 | 54629.22 | 37833.11 | Trench | | | Trends SW, 5' wide, 2' ~ 3' deep, greater than 50' long |
| UN-271 | 11/17/2006 | 54482.78 | 37652.89 | TP/SM | | | 10' dia., 4' deep |
| UN-272 | 11/17/2006 | 54506.96 | 37619.49 | TP | | | 4 TP |
| UN-273 | 11/17/2006 | 54579.76 | 37595.43 | Collapsed Adit | X | | Trends E |
| UN-274 | 11/17/2006 | 54458.21 | 37567.33 | Open Shaft/SM | | | 10' dia., 10 deep, 4' to BR |
| UN-275 | 11/17/2006 | 55344.59 | 35861.01 | TP/SM | | Ext. 10' | 15' dia., 7' deep |
| UN-276 | 11/17/2006 | 55350.95 | 35937.10 | Level Platform | | | 10' x 20' x 4' ~ 5' cut (uphill) and fill (downhill) |
| UN-277 | 11/17/2006 | 55589.84 | 34837.35 | TP/SM | | | 10' dia., 4' deep |
| UN-278 | 11/17/2006 | 55144.37 | 34253.87 | Open Shaft | | 30' x 50' | Capped with steel grate |
| UN-279 | 11/17/2006 | 54889.27 | 34245.27 | Adit | | 40' x 15' | Partially walled off with rock, trends N, 4' x 5' wide partially collapsed, 4' x 2' wide. WR upslope indicates additional workings (not visible) |
| UN-28 | 11/3/2006 | 58037.75 | 34975.90 | TP | | | 6' x 8' x 5' deep |
| UN-280 | 11/17/2006 | 54804.05 | 34183.73 | TP | | | 15' x 5' x 2' deep |
| UN-281 | 11/17/2006 | 54408.46 | 33947.30 | Trench/Collapsed Adit | | 35' x 15' | 2 features. Trend SSE |
| UN-282 | 11/17/2006 | 54396.86 | 34104.33 | Trench/Collapsed Adit | | 40' x 30' | Trends SSW |
| UN-283 | 11/17/2006 | 54446.16 | 34299.20 | ??? | | 30' x 10' | No obvious, nearby source of WR |
| UN-284 | 11/17/2006 | 54434.18 | 34351.57 | CS/SM | | Ext. 15' | 10' dia., 6' deep. Small TP 20' upslope |
| UN-285 | 11/17/2006 | 54325.06 | 34399.54 | TP/SM | | | 10' dia., 4' deep |
| UN-286 | 11/17/2006 | 54349.46 | 34427.99 | Trench | | | Trends NW, at least 60' long, 8' wide x 4' deep |
| UN-287 | 

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|---|---|---|---|---|---|---|---|
| UN-288 | 11/17/2006 | 54483.44 | 34532.16 | TP/SM | | | 2 TP/SM, largest 15' x 5' x 3' deep |
| UN-289 | 11/17/2006 | 54821.29 | 33907.75 | Adit | | | Capped with steel grate, trends NW |
| UN-29 | 11/3/2006 | 58133.95 | 34699.66 | TP | | | 6' x 6' x 2' deep |
| UN-3 | 11/2/2006 | 58143.17 | 33891.02 | TP | | | Group of 5 or 6 TP, 8' dia., up to 4' deep |
| UN-30 | 11/3/2006 | 58328.53 | 34765.54 | TP | | | 20' x 20' x 8' deep |
| UN-31 | 11/3/2006 | 58995.56 | 34487.25 | Open Shaft | X | large – ext. 50' | Partially collapsed, 4' x 2' wide. WR upslope indicates additional workings (not visible) |
| UN-32 | 11/3/2006 | 58867.42 | 34321.24 | TP | | | Group of 4 small TP |
| UN-33 | 11/3/2006 | 58753.19 | 34640.33 | TP | | | 2 TP or small borrow pits, 5' x 10' x 5' deep |
| UN-34 | 11/3/2006 | 58705.61 | 34916.37 | CS/Large TP | | Ext. 20' | 20' dia, 10' deep |
| UN-35 | 11/3/2006 | 58905.04 | 34649.30 | TP | | | Small TP |
| UN-36 | 11/3/2006 | 58856.40 | 34630.44 | TP | | | Group of 4 small TP |
| UN-37 | 11/3/2006 | 58796.00 | 34721.03 | TP | | | 4' x 6' x 4' deep |
| UN-38 | 11/3/2006 | 58807.56 | 34568.80 | TP | | | Small TP |
| UN-39 | 11/3/2006 | 55893.33 | 36444.08 | CS | X | Large – 50' x 100' | Shaft not visible – only buildings and WR visible |
| UN-4 | 11/2/2006 | 58173.78 | 33962.26 | Small Shaft or SW | | Ext. 10' | ~15' deep, 5' to BR, 8' dia. |
| UN-40 | 11/7/2006 | 58366.51 | 35193.49 | Open Shaft/Stope | | Ext. 20' | ~20–25' deep, BR at 7' |
| UN-41 | 11/7/2006 | 58390.48 | 35098.26 | Open Shaft | Boards | Ext. 30' | 4' x 2' wide, 8' or more to BR, 30' deep |
| UN-42 | 11/7/2006 | 58408.37 | 35012.59 | Open Shaft/SW | | Ext. 15' | 4' x 4' wide, 5' to BR, 10' deep |
| UN-43 | 11/7/2006 | 59026.85 | 34748.74 | CS | X | 50' x 50' (est.) | Likely a CS. Could also be building remains |
| UN-44 | 11/7/2006 | 58930.97 | 35105.82 | CS | X | 40' x 100' | Cone 20' dia., 8' deep. BR not visible |
| UN-45 | 11/7/2006 | 58718.33 | 35073.29 | TP | | | 10' dia., 4' deep |
| UN-46 | 11/7/2006 | 58627.17 | 35059.36 | TP | | | 10' dia., 4' deep |
| UN-47 | 11/7/2006 | 58621.57 | 35183.03 | TP | | | 10' dia., 4' deep |
| UN-48 | 11/10/2006 | 57467.99 | 35263.36 | Shaft/SM | | Ext. 20' | Small backfilled shaft or SM, 6' dia., 6' to BR, 8' deep |
| UN-49 | 11/10/2006 | 57510.05 | 35144.30 | TP | | Ext. 10' | 10' dia., 4' deep |
| UN-5 | 11/2/2006 | 57998.45 | 34176.93 | Depression | | | Small TP |
| UN-50 | 11/10/2006 | 57645.13 | 35548.12 | TP | | | 8' dia., 3' deep |
| UN-51 | 11/10/2006 | 57681.57 | 35547.98 | TP/SM | | | 10' x 20' x 5' deep |
| UN-52 | 11/10/2006 | 57553.80 | 35491.38 | TP/SM | | | Group of ~8 TP or small SM |
| UN-53 | 11/10/2006 | 57432.08 | 35410.95 | TP | | | Group of 4 TP, largest is 8' x 8' x 3' deep |
| UN-54 | 11/10/2006 | 57444.40 | 35458.47 | Depression | | | 5' x 10' x 2' – 3' deep, trends SE |
| UN-55 | 11/10/2006 | 57450.21 | 35387.10 | Open Shaft | | | 4' wide, 4' to BR, ~20' deep |
| UN-56 | 11/10/2006 | 57335.17 | 35487.41 | Depression | | | 5' x 10' x 2' deep |
| UN-57 | 11/10/2006 | 57317.26 | 35568.34 | TP | | | 8' x 5' x 3' deep |
| UN-58 | 11/10/2006 | 57250.42 | 35554.31 | TP/SM | | | 8' x 20' x 5' deep |
| UN-59 | 11/10/2006 | 57256.41 | 35530.51 | TP/SM | | | Continuous line of TP or SM between UN-59 and UN-60, 10–15' wide, 4' deep |
| UN-6 | 11/2/2006 | 58077.44 | 34190.92 | Depression | | | 3 depressions, 5' dia., 2–3' deep |
| UN-60 | 11/10/2006 | 57195.50 | 35483.17 | TP/SM | | | Continuous line of TP or SM between UN-59 and UN-60, 10–15' wide, 4' deep |
| UN-61 | 11/10/2006 | 57268.28 | 35463.88 | TP | | | TP |
| UN-62 | 11/10/2006 | 57243.95 | 35454.47 | TP | | | TP |
| UN-63 | 11/10/2006 | 57322.41 | 35320.99 | Open Shaft/SM | X | Ext. 10' | 4' x 3' x 15' deep, 5' to BR |
| UN-64 | 11/10/2006 | 57292.04 | 35325.86 | TP | | | Small TP |
| UN-65 | 11/10/2006 | 57304.33 | 35349.58 | Trench | | | 2' deep, extends ~50' E |
| UN-66 | 11/10/2006 | 57364.21 | 35125.81 | TP | | | 1 TP |
| UN-67 | 11/10/2006 | 57121.44 | 35159.98 | TP | | | 3 TP |
| UN-68 | 11/10/2006 | 57030.53 | 35212.64 | TP | | | 2 TP |
| UN-69 | 11/10/2006 | 56988.46 | 35336.48 | TP | | | 2 TP |
| UN-7 | 11/2/2006 | 58144.43 | 34243.00 | TP/SW | 1 Post | small | 3 TP or small SW |
| UN-70 | 11/10/2006 | 57134.95 | 35535.72 | Trench/TP/Depression | | | Extends ~50' SE, 1' – 2' deep |
| UN-71 | 11/10/2006 | 57189.86 | 35606.87 | TP | | | 1 TP |
| UN-72 | 11/10/2006 | 57190.17 | 35687.72 | TP/SM | | | 2 TP/SM |
| UN-73 | 11/10/2006 | 57232.81 | 35720.86 | TP/SM | | | TP/SM |
| UN-74 | 11/10/2006 | 57293.28 | 35649.29 | CS/SM | | Ext. 10' | Small CS or SM |
| UN-75 | 11/10/2006 | 57396.34 | 35610.88 | TP/SM | | Ext. 10' | Group of 4 TP/SM, largest 5' x 15' x 3' – 4' deep |
| UN-76 | 11/10/2006 | 57511.78 | 35619.96 | TP | | | TP |
| UN-77 | 11/10/2006 | 57481.06 | 35520.18 | TP/SM | | | TP/SM |
| UN-78 | 11/10/2006 | 57621.27 | 35671.89 | TP/SM | | | TP/SM |
| UN-79 | 11/10/2006 | 57593.13 | 36271.31 | TP/SM | | | TP/SM |
| UN-8 | 11/2/2006 | 58296.63 | 34351.85 | SW/Small CS | 2 Posts | flat fan 50' x 50' | 12" dia, 9' deep |
| UN-80 | 11/10/2006 | 57471.22 | 36157.61 | TP | | | TP |
| UN-81 | 11/10/2006 | 57544.20 | 36176.36 | TP | | | TP |
| UN-82 | 11/10/2006 | 57308.10 | 36372.24 | TP | | | TP |
| UN-83 | 11/13/2006 | 56608.95 | 36184.59 | TP/SM | | | 10' dia., 6' deep |
| UN-84 | 11/13/2006 | 56700.13 | 36198.50 | CS??? | | 20' x 20' | No obvious shaft or source of WR. 2 depressions/TP upslope (collapsed adit?) |
| UN-85 | 11/13/2006 | 56669.52 | 36132.03 | TP | | | 8' dia., 3' – 4' deep |
| UN-86 | 11/13/2006 | 56803.00 | 36093.47 | TP | | | 2 small TP |
| UN-87 | 11/13/2006 | 56997.93 | 36254.48 | TP | | | Small TP |
| UN-88 | 11/13/2006 | 57149.63 | 36220.62 | TP | | | 2 TP |
| UN-89 | 11/13/2006 | 57463.54 | 35720.03 | TP | | | TP |
| UN-9 | 11/2/2006 | 58278.85 | 34466.07 | TP/SM | | | 4' x 15' x 2' deep, steel present |
| UN-90 | 11/13/2006 | 57469.27 | 35615.35 | TP | | | TP |
| UN-91 | 11/14/2006 | 56409.96 | 34915.25 | TP/SM | | 10' x 10' | In W side of hill |
| UN-92 | 11/14/2006 | 56537.15 | 34819.64 | TP/SM | | Ext. 10' | 15' dia, 5' deep |
| UN-93 | 11/14/2006 | 56658.51 | 34781.13 | TP | | | TP |
| UN-94 | 11/14/2006 | 56664.58 | 34781.11 | TP | | | TP |
| UN-95 | 11/14/2006 | 56803.82 | 34666.45 | Trench | | | 40' x 4' deep, trends N |
| UN-96 | 11/14/2006 | 57362.21 | 34578.80 | TP | | | TP |
| UN-97 | 11/14/2006 | 57161.56 | 34512.94 | TP | | | TP |
| UN-98 | 11/14/2006 | 57405.27 | 34721.33 | TP | | | 2 TP |
| UN-99 | 11/14/2006 | 57550.78 | 34658.98 | TP | | | TP |

**NOTE:**

1. TABLES INCLUDE WORKINGS THAT HAVE BEEN PREVIOUSLY REMEDIATED.
2. DRAWING IS A NEW ADDITION TO THE ISSUED FOR CONSTRUCTION SET.

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ISSUED FOR RECORD OF CONSTRUCTION

| | | | |
|---|---|---|---|
| 0 | 01/07/13 | ISSUED FOR CONSTRUCTION | JNM / DS |

**DISCLAIMER**

AMEC PRODUCED THE INFORMATION PRESENTED ON THIS DRAWING THROUGH THE USE OF TECHNICAL INFORMATION AND PRACTICAL EXPERIENCE SPECIFIC TO ITS EFFORTS. RECEIVING THIS DRAWING DOES NOT GUARANTEE ANY RIGHTS TO SUCH TECHNICAL INFORMATION AND PRACTICAL EXPERIENCE. ANY ALTERATION OR ADAPTATION OF THE DATA OR CONTENTS OF THIS DRAWING SHALL BE AT USER'S SOLE RISK AND WITHOUT ANY LIABILITY OR LEGAL RESPONSIBILITY TO AMEC.

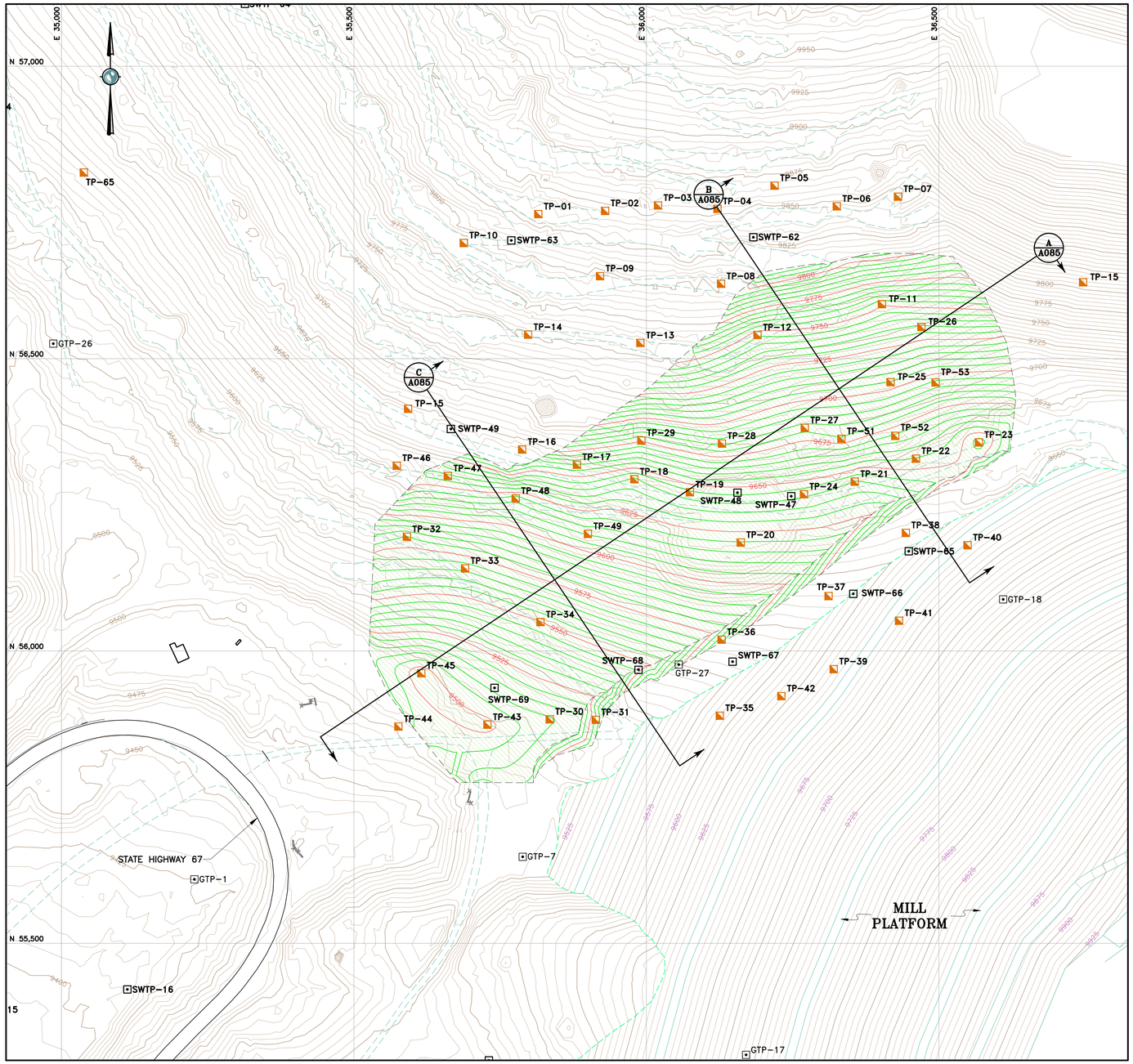
CLIENT: CRIPPLE CREEK & VICTOR GOLD MINING COMPANY

PROJECT: SQUAW GULCH VLF

TITLE: TABLE OF HISTORIC UNDERGROUND WORKINGS SHEET 3 OF 3

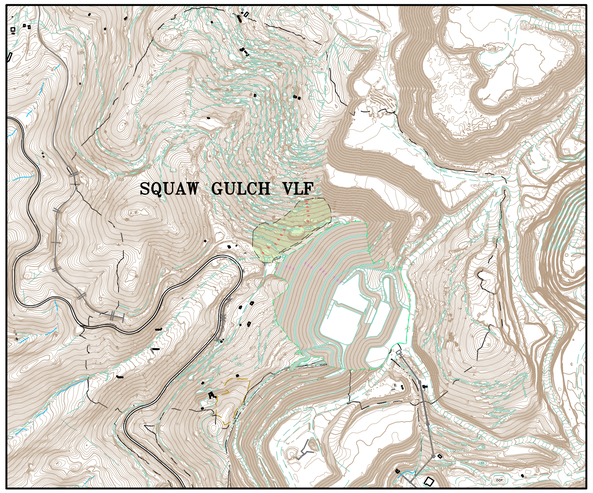
| | | | |
|---|---|---|---|
| DESIGNED BY | JNM | CHECKED BY | JNM |
| DRAWN BY | DS | APPROVED BY | KFM |

| FILENAME | DRAWING No. | REV |
|---|---|---|
| 1125GD120 | A67 | 0 |




SOIL LINER FILL BORROW

100 0 100 200 FEET




OVERALL PROJECT SITE MAP

1000 0 1000 2000 FEET

## LEGEND:

- EXISTING GROUND SURFACE CONTOUR EL, FEET (AERIAL SURVEY)
- EXISTING GROUND SURFACE CONTOUR EL, FEET (LAND SURVEY)
- MILL PLATFORM GROUND SURFACE CONTOUR EL, FEET
- APPROXIMATELY BOTTOM OF CLAY BORROW REGRADE
- EXISTING ROADS
- HIGHWAY 67
- EXISTING BUILDING
- TP-50 AMEC TEST PIT JULY 2010
- SWTP-27 SMITH WILLIAMS TEST PIT JUNE 2007
- GTP-15 GOLDER ASSOCIATES TEST PIT 2004
- APPROXIMATE SOIL LINER FILL BORROW AREA

## NOTE:

1. BASED ON THE TEST PITS PERFORMED IN THE SOIL LINER FILL BORROW AREA, AMEC HAS ESTIMATED APPROXIMATELY 150,000 CUBIC YARDS OF AVAILABLE BORROW AFTER PROCESSING.
2. REMOVED EXISTING UTILITIES FROM DRAWING.
3. UPDATED EXISTING GROUND TO INCLUDE MILL PLATFORM.

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)

ISSUED FOR RECORD OF CONSTRUCTION

| | | | |
|---|---|---|---|
| CLIENT | CRIPPLE CREEK & VICTOR GOLD MINING COMPANY | | |
| PROJECT | SQUAW GULCH VLF | | |
| TITLE | SOIL LINER FILL BORROW AREA SHEET 1 OF 2 | | |

| | | | |
|---|---|---|---|
| 1 | 08/15/13 | REV. SECTION CALLOUT – RE-ISSUED FOR CONSTRUCTION | MEN / PBS |
| 0 | 01/07/13 | ISSUED FOR CONSTRUCTION | JNM / CMT |

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| DESIGNED BY | JNM | CHECKED BY | JNM |
| DRAWN BY | DS | APPROVED BY | JNM |
| FILENAME | 1125GM05 | DRAWING No. | A80 |
| | | REV | 1 |

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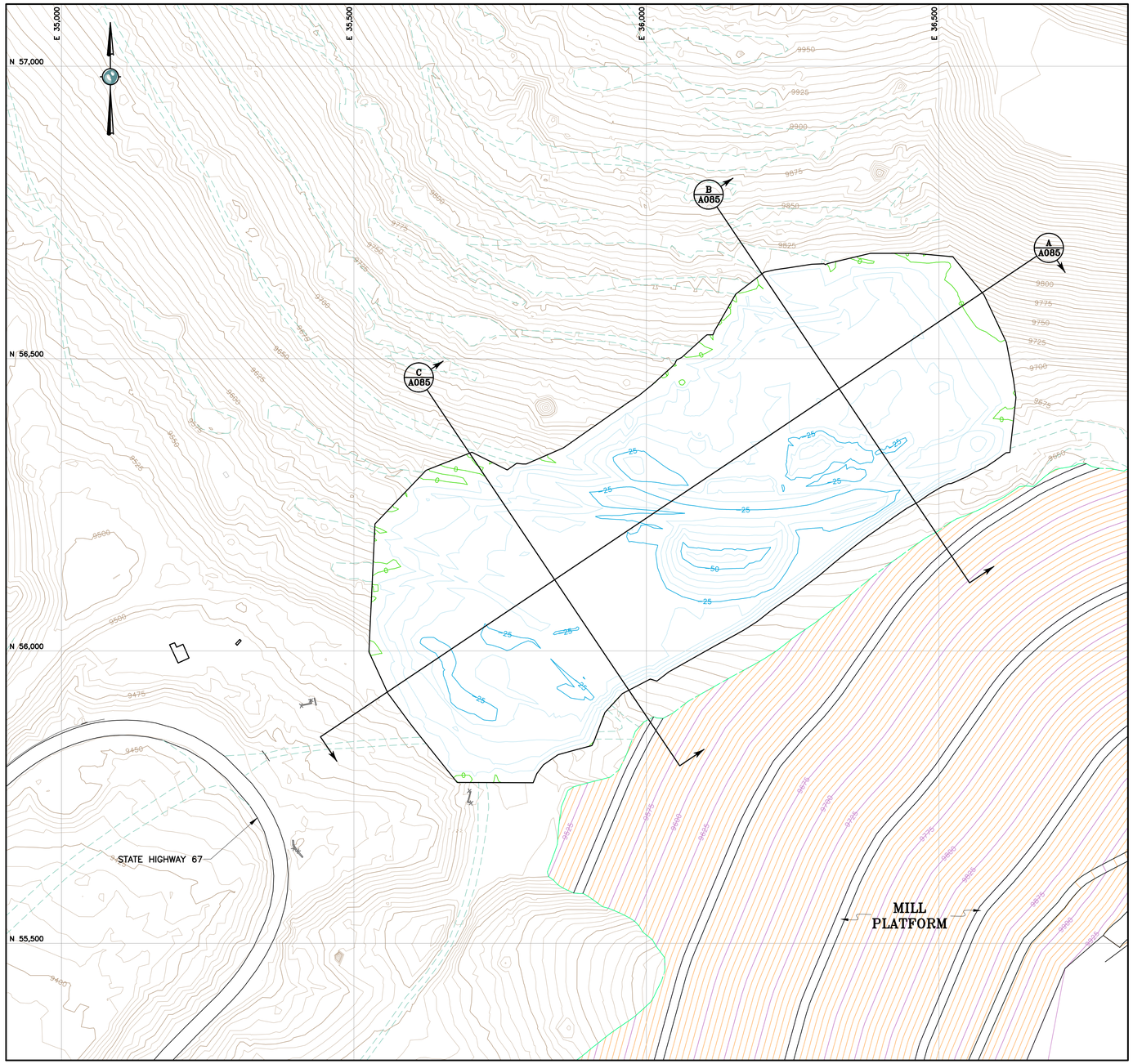
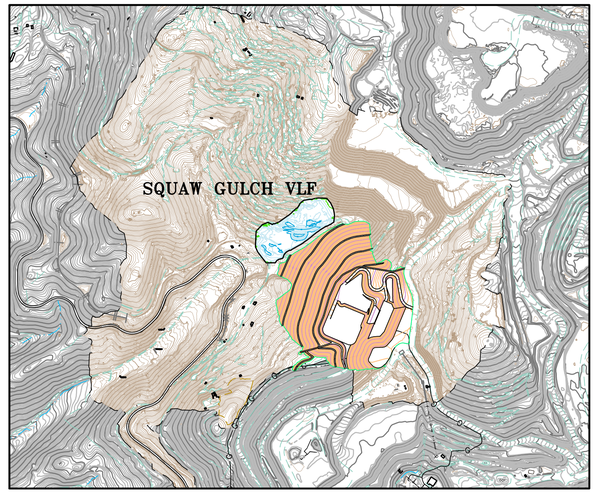



SOIL LINER FILL BORROW

100 0 100 200 FEET




OVERALL PROJECT SITE MAP

1000 0 1000 2000 FEET

## LEGEND:

- EXISTING GROUND SURFACE CONTOUR EL, FEET (AERIAL SURVEY)
- EXISTING GROUND SURFACE CONTOUR EL, FEET (LAND SURVEY)
- MILL PLATFORM GROUND SURFACE CONTOUR EL, FEET
- ISOPACH CUT CONTOURS AND EL, FEET
- ISOPACH ZERO CUT/FILL AND EL, FEET
- EXISTING ROADS
- HIGHWAY 67
- EXISTING BUILDING
- TP-50 AMEC TEST PIT JULY 2010
- SWTP-27 SMITH WILLIAMS TEST PIT JUNE 2007
- GTP-15 GOLDER ASSOCIATES TEST PIT 2004
- APPROXIMATE SOIL LINER FILL BORROW AREA

## NOTE:

1. BASED ON THE TEST PITS PERFORMED IN THE SOIL LINER FILL BORROW AREA, AMEC HAS ESTIMATED APPROXIMATELY 150,000 CUBIC YARDS OF AVAILABLE BORROW AFTER PROCESSING.
2. DRAWING IS A NEW ADDITION TO THE ISSUED FOR CONSTRUCTION SET.

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)

ISSUED FOR RECORD OF CONSTRUCTION

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|---|---|---|---|
| 1 | 08/15/13 | REV. SECTION CALLOUT – RE-ISSUED FOR CONSTRUCTION | MEN / PBS |
| 0 | 01/07/13 | ISSUED FOR CONSTRUCTION | JNM / DS |

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AMEC PRODUCED THE INFORMATION PRESENTED ON THIS DRAWING THROUGH THE USE OF TECHNICAL INFORMATION AND PRACTICAL EXPERIENCE SPECIFIC TO ITS EFFORTS. RECEIVING THIS DRAWING DOES NOT GUARANTEE ANY RIGHTS TO SUCH TECHNICAL INFORMATION AND PRACTICAL EXPERIENCE. ANY ALTERATION OR ADAPTATION OF THE DATA OR CONTENTS OF THIS DRAWING SHALL BE AT USER'S SOLE RISK AND WITHOUT ANY LIABILITY OR LEGAL RESPONSIBILITY TO AMEC.

CLIENT: CRIPPLE CREEK & VICTOR GOLD MINING COMPANY

PROJECT: SQUAW GULCH VLF

TITLE: SOIL LINER FILL BORROW AREA ISOPACH

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| DESIGNED BY | JNM | CHECKED BY | JNM |
| DRAWN BY | DS | APPROVED BY | JNM |

| FILENAME | DRAWING No. | REV |
|---|---|---|
| 1125GM118 | A82 | 1 |

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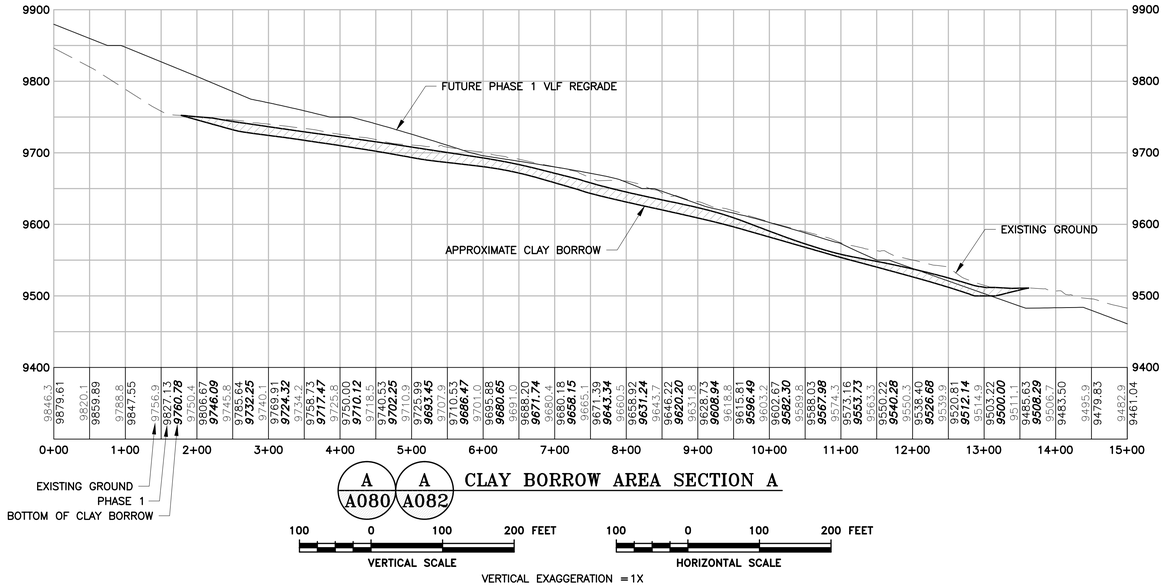


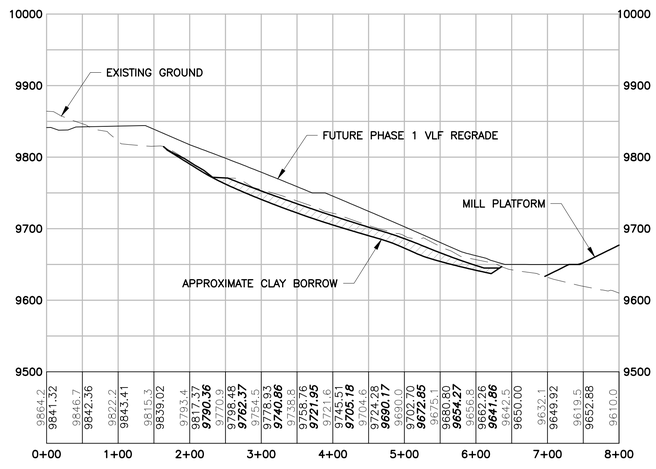


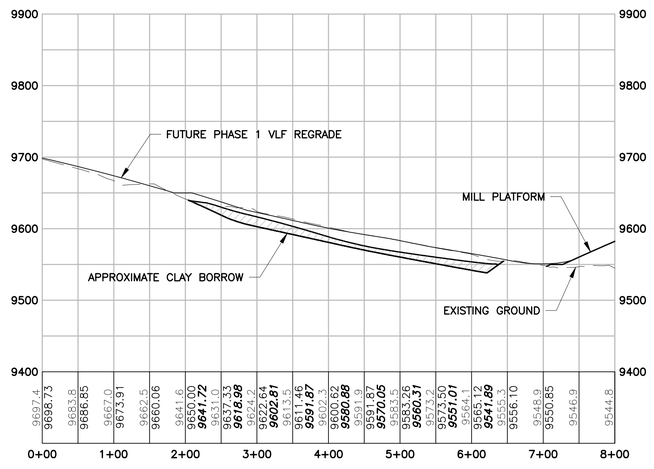


ISSUED FOR RECORD OF CONSTRUCTION

| | |
|---|---|
| CLIENT | CRIPPLE CREEK & VICTOR GOLD MINING COMPANY |
| PROJECT | SQUAW GULCH VLF |
| TITLE | SOIL LINER FILL BORROW AREA SHEET 2 OF 2 |

| | | | |
|---|---|---|---|
| DESIGNED BY | CMT | CHECKED BY | JNM |
| DRAWN BY | CMT | APPROVED BY | JNM |
| FILENAME | 1125GP111 | DRAWING No. | A85 |
| | | REV | 0 |

| | | | |
|---|---|---|---|
| 0 | 01/07/13 | ISSUED FOR CONSTRUCTION | JNM / CMT |

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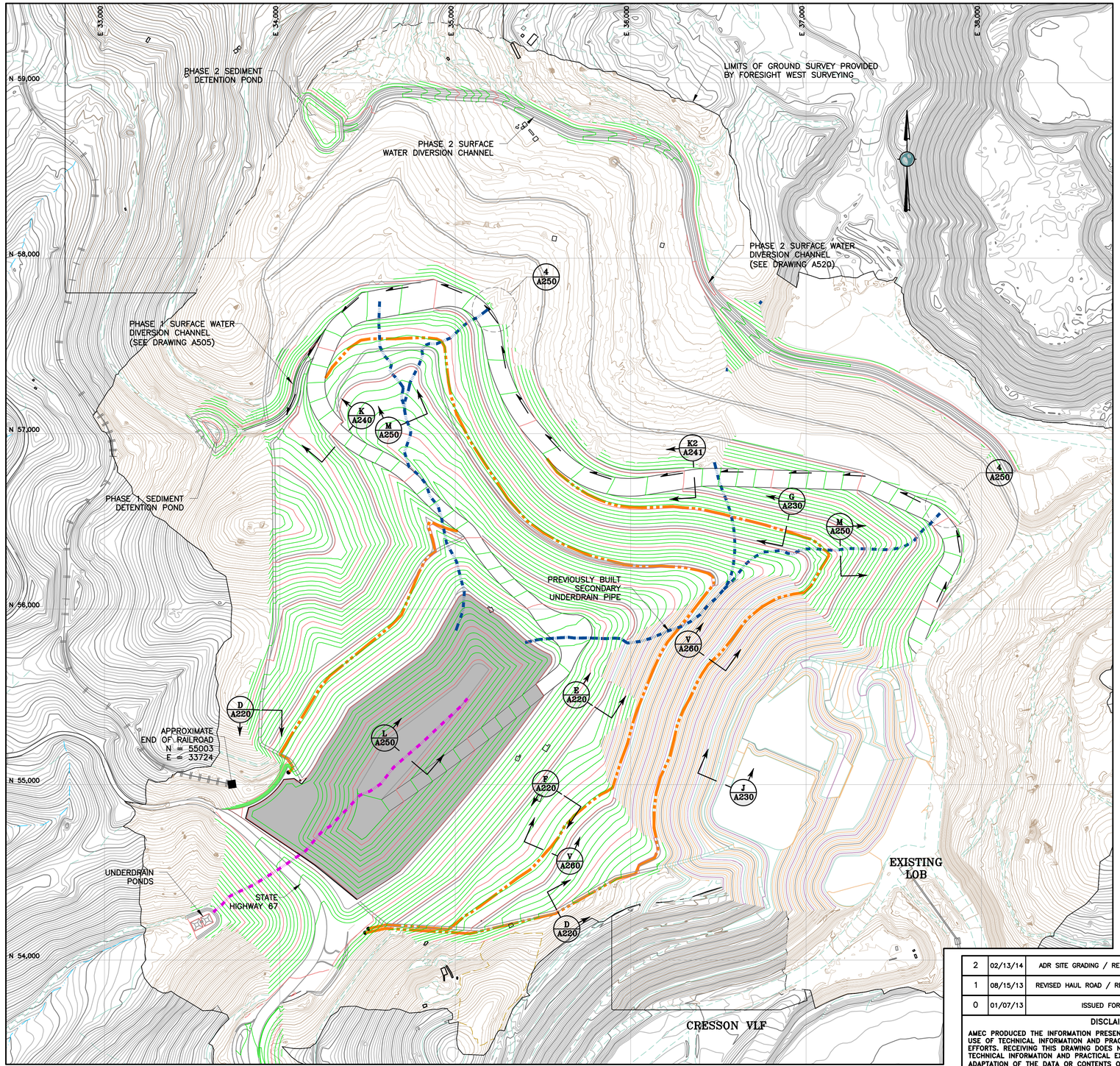


## LEGEND:

- EXISTING GROUND SURFACE CONTOUR AND EL, FEET (AERIAL SURVEY)
- EXISTING GROUND SURFACE CONTOUR AND EL, FEET (LAND SURVEY)
- MILL PLATFORM GROUND SURFACE CONTOUR EL, FEET
- PROPOSED PHASE 1 GROUND SURFACE CONTOUR EL, FEET (PHASE 1)
- PRIMARY UNDERDRAIN PIPE
- SECONDARY UNDERDRAIN PIPE (PHASE 1)
- LEAK DETECTION TRENCH (PHASE 1)
- DAYLIGHT LINE
- APPROXIMATE LIMITS OF DIATREME
- EXISTING UNIMPROVED ROAD/TRAILS
- EXISTING DRAINAGES
- EXISTING GEOMEMBRANE LIMITS
- UNDERDRAIN PUMP BACK PIPE
- EXISTING RAILROAD
- STATE HIGHWAY 67
- EXISTING BUILDING
- DIRECTION OF SURFACE WATER FLOW
- LIMITS OF PSSA
- LEAK DETECTION SUMP

## NOTE:

1. PROPOSED CONTOURS REPRESENT TOP OF SOIL LINER FILL.
2. REMOVED EXISTING UTILITIES FROM DRAWING AND PROPOSED PUMP BACK PIPE.
3. UPDATED EXISTING GROUND TO INCLUDE MILL PLATFORM.
4. UNDERDRAIN POND, PHASE 1 & PHASE 2 SEDIMENT DETENTION POND HAVE BEEN REVISED.
5. PHASE 2 SURFACE WATER DIVERSION CHANNEL AND SEDIMENT DETENTION POND WILL BE BUILT WITH PHASE 1.
6. PSSA EMBANKMENT HAS BEEN WIDENED BY 2'.

300 0 300 600 FEET

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)

ISSUED FOR RECORD OF CONSTRUCTION

| | | | |
|---|---|---|---|
| 2 | 02/13/14 | ADR SITE GRADING / RE-ISSUED FOR CONSTRUCTION | MEN / PBS |
| 1 | 08/15/13 | REVISED HAUL ROAD / RE-ISSUED FOR CONSTRUCTION | MEN / PBS |
| 0 | 01/07/13 | ISSUED FOR CONSTRUCTION | JNM / CMT |


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| | |
|---|---|
| CLIENT | CRIPPLE CREEK & VICTOR GOLD MINING COMPANY |
| PROJECT | SQUAW GULCH VLF |
| TITLE | PHASE 1 SQUAW GULCH GRADING PLAN |

| | | | |
|---|---|---|---|
| DESIGNED BY | JNM | CHECKED BY | JNM |
| DRAWN BY | DS | APPROVED BY | KFM |
| FILENAME | 1125GM55 | DRAWING No. | A200 |
| | | REV | 2 |

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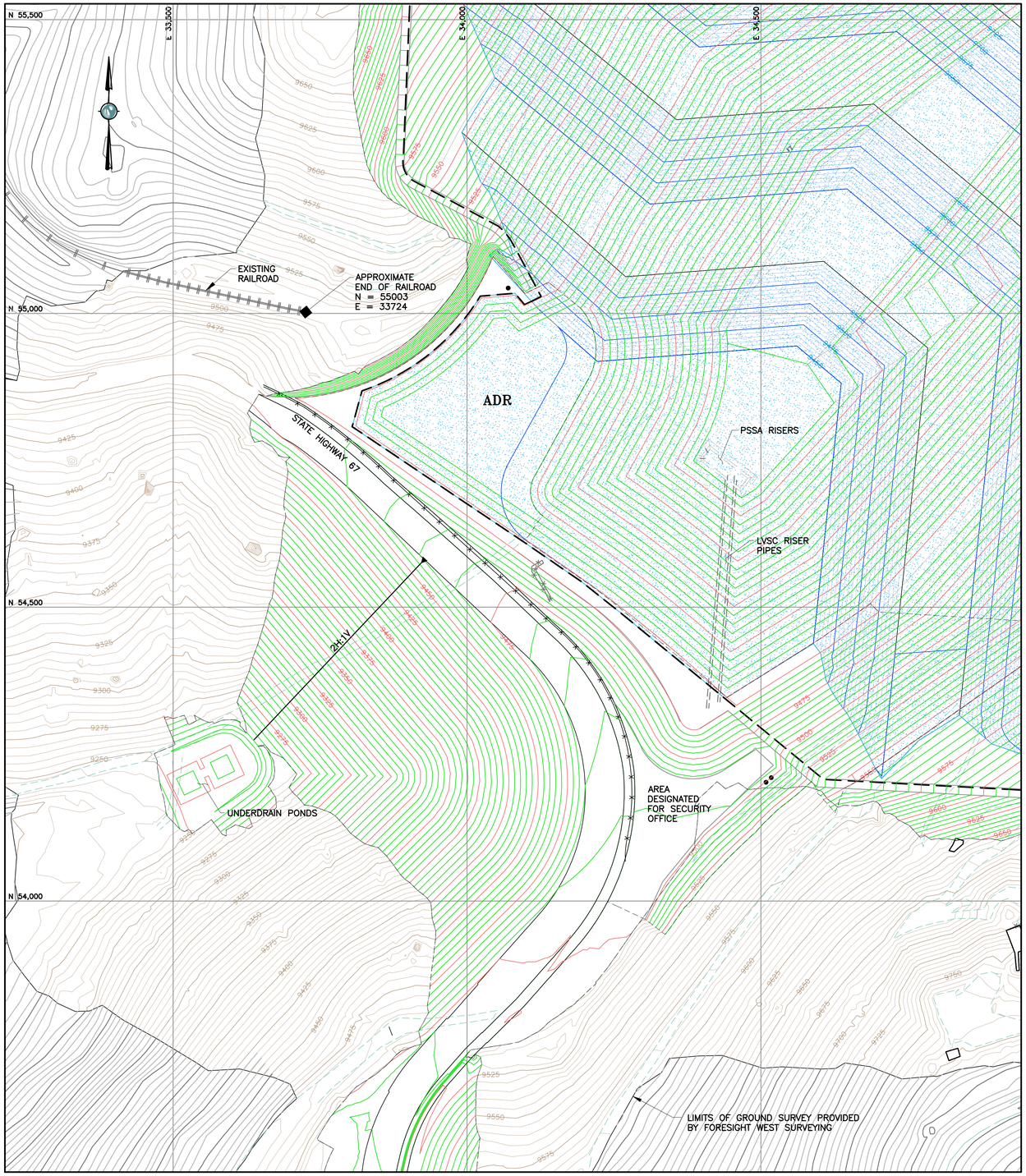


## LEGEND:

- EXISTING GROUND SURFACE CONTOUR AND EL, FEET (AERIAL SURVEY)
- EXISTING GROUND SURFACE CONTOUR AND EL, FEET (LAND SURVEY)
- PROPOSED GROUND SURFACE CONTOUR AND EL. FEET
- PROPOSED ULTIMATE ORE GROUND SURFACE CONTOUR AND EL. FEET
- DAYLIGHT LINE
- EXISTING UNIMPROVED ROAD/TRAILS
- EXISTING DRAINAGES
- EXISTING RAILROAD
- STATE HIGHWAY 67
- ULTIMATE LIMITS OF SQUAW GULCH GEOMEMBRANE
- LIMITS OF ORE
- PROPOSED CRIB WALL
- LEAK DETECTION SUMP
- EXISTING BUILDING

## NOTE:

1. FOR CRIB WALL CONSTRUCTION DETAILS, SEE DRAWING A800.
2. ADR SHOWN FOR REFERENCE ONLY.
3. REMOVED EXISTING UTILITIES FROM DRAWING AND UNDERDRAIN PUMPBACK PIPES.
4. UNDERDRAIN POND HAS BEEN REVISED.
5. PSSA EMBANKMENT HAS BEEN WIDENED BY 2'.

## REVISION NOTE:

1. THIS DRAWING REPLACES DRAWING A204–PHASE 1 GRADING HORIZONTAL ALIGNMENT DATA SHEET 2 OF 2, WHICH WAS INITIALLY "ISSUED FOR CONSTRUCTION" ON 07 JAN. 2013.

100 0 100 200 FEET

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)

ISSUED FOR RECORD OF CONSTRUCTION

| | | | |
|---|---|---|---|
| CLIENT | CRIPPLE CREEK & VICTOR GOLD MINING COMPANY | | |
| PROJECT | SQUAW GULCH VLF | | |
| TITLE | PSSA EMBANKMENT LAYOUT | | |

| | | | |
|---|---|---|---|
| 1 | 02/13/14 | REV. ADR SITE GRADING/RE-ISSUED FOR CONSTRUCTION | MEN / PBS |
| 0 | 01/07/13 | ISSUED FOR CONSTRUCTION | JNM / CMT |

DISCLAIMER

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amec

| | | | |
|---|---|---|---|
| DESIGNED BY | JNM | CHECKED BY | JNM |
| DRAWN BY | JNM | APPROVED BY | KFM |

| FILENAME | DRAWING No. | REV |
|---|---|---|
| 1125GM66 | A204 | 1 |

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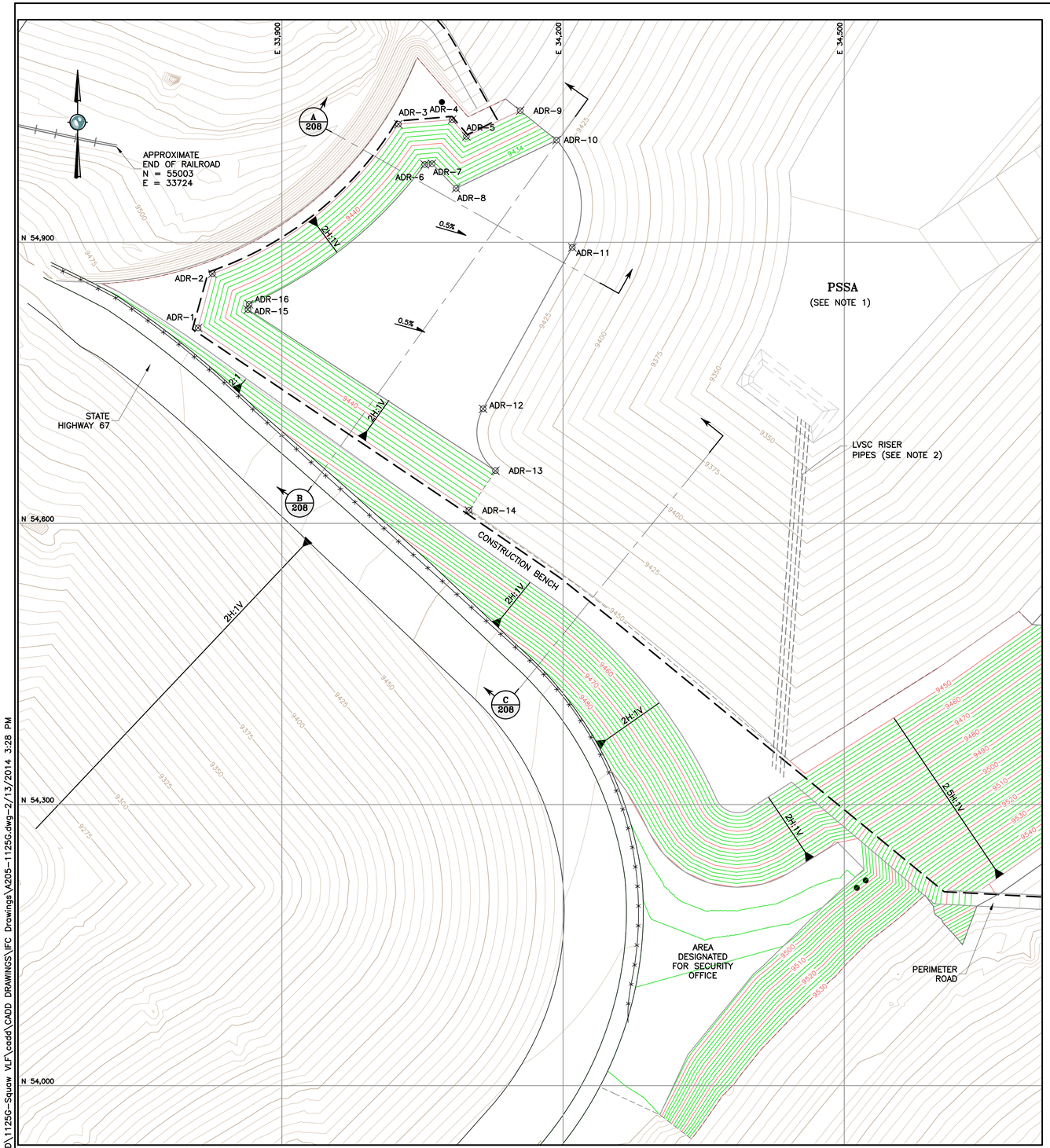


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## LEGEND:

- EXISTING GROUND SURFACE CONTOUR AND EL, FEET (5' INTERVAL)
- PROPOSED GROUND SURFACE CONTOUR AND EL. FEET (2' INTERVAL)
- DAYLIGHT LINE
- EXISTING RAILROAD
- STATE HIGHWAY 67
- ULTIMATE LIMITS OF SQUAW GULCH GEOMEMBRANE
- LEAK DETECTION SUMP

## NOTES:

1. GRADING SHOWN REPRESENTS TOP OF SECONDARY GEOMEMBRANE LINER, WHICH IS EQUIVALENT THE THE TOP OF SOIL LINER FILL.
2. LOW-VOLUME SOLUTION COLLECTION RISER LOCATION IS APPROXIMATE AND MAY BE RELOCATED DURING CONSTRUCTION FOR EASE OF INSTALLATION AND OPERATION, AS DIRECTED BY THE OWNER.

## REVISION NOTE:

1. THIS DRAWING REPLACES DRAWING A205-PSSA EMBANKMENT LAYOUT, WHICH WAS INITIALLY "ISSUED FOR CONSTRUCTION" ON 07 JAN. 2013.

**ADR PLATFORM SETOUT DATA**

| POINT # | ELEVATION | NORTHING | EASTING |
|---|---|---|---|
| ADR-1 | 9450.00 | 54808.66 | 33810.66 |
| ADR-2 | 9450.00 | 54866.50 | 33825.91 |
| ADR-3 | 9450.00 | 55026.09 | 34024.26 |
| ADR-4 | 9450.00 | 55030.88 | 34081.55 |
| ADR-5 | 9450.00 | 55013.05 | 34096.83 |
| ADR-6 | 9430.92 | 54983.12 | 34052.39 |
| ADR-7 | 9430.87 | 54983.89 | 34060.16 |
| ADR-8 | 9430.70 | 54957.66 | 34085.78 |
| ADR-9 | 9450.00 | 55040.55 | 34154.23 |
| ADR-10 | 9430.00 | 55009.06 | 34193.08 |
| ADR-11 | 9430.00 | 54894.61 | 34209.82 |
| ADR-12 | 9430.00 | 54722.31 | 34114.64 |
| ADR-13 | 9430.00 | 54656.32 | 34127.79 |
| ADR-14 | 9450.00 | 54613.91 | 34099.47 |
| ADR-15 | 9431.62 | 54828.26 | 33863.79 |
| ADR-16 | 9431.63 | 54833.89 | 33865.04 |

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)

60 0 60 120 FT

| | | | |
|---|---|---|---|
| 1 | 01/24/14 | RE-ISSUED FOR CONSTRUCTION | MEN / PBS |
| 0 | 01/07/13 | ISSUED FOR CONSRTUCTION | MEN / PBS |


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ISSUED FOR RECORD OF CONSTRUCTION

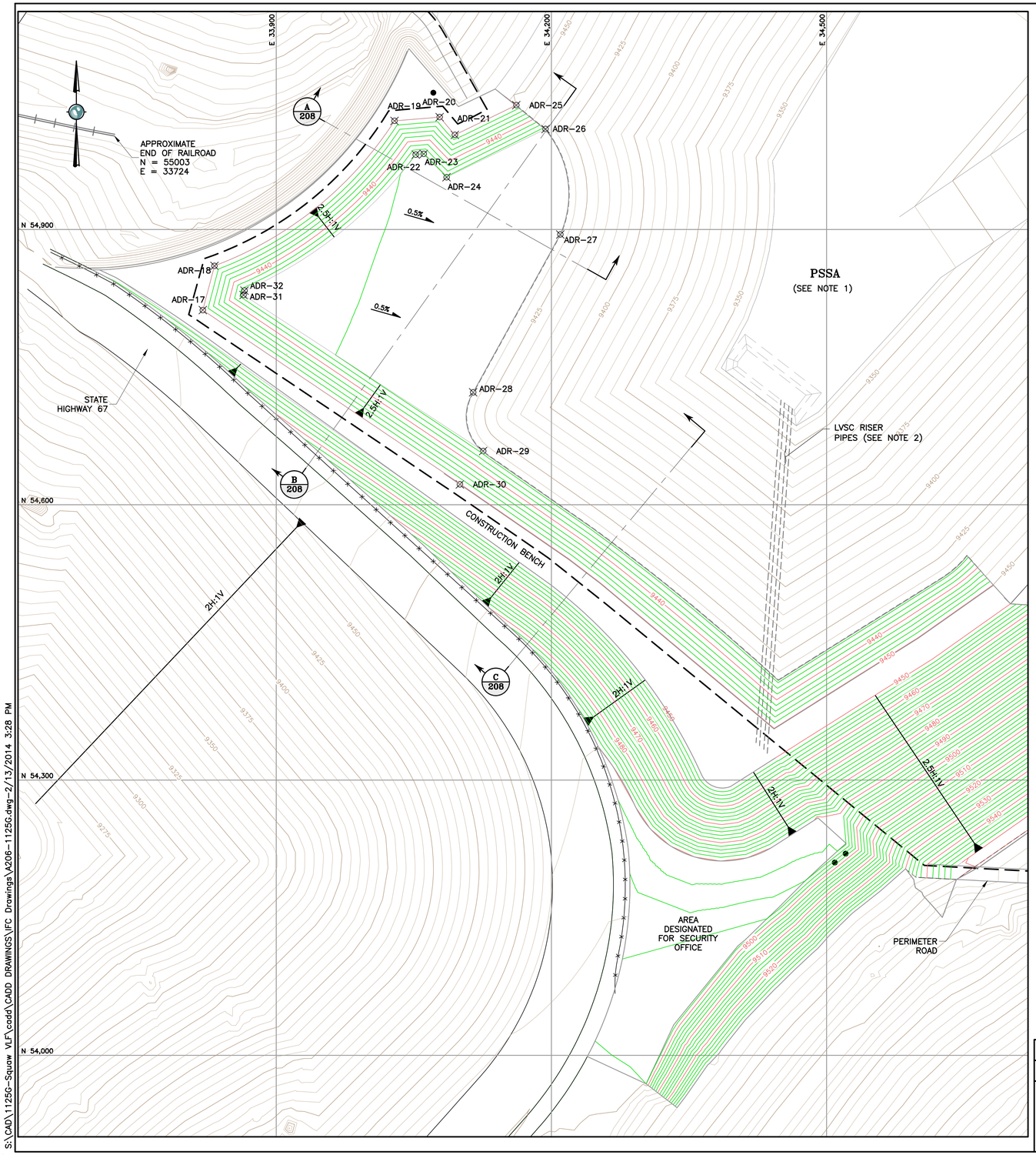
CLIENT: CRIPPLE CREEK & VICTOR GOLD MINING COMPANY

PROJECT: SQUAW GULCH VLF

TITLE: ADR PLANT PLATFORM TOP OF SECONDARY LINER GRADING PLAN

| | | | |
|---|---|---|---|
| DESIGNED BY | JNM | CHECKED BY | MEN |
| DRAWN BY | PBS | APPROVED BY | MEN |

| FILENAME | DRAWING No. | REV |
|---|---|---|
| A205-1125 | A205 | 1 |

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## LEGEND:

- EXISTING GROUND SURFACE CONTOUR AND EL, FEET (5' INTERVAL)
- PROPOSED GROUND SURFACE CONTOUR AND EL. FEET (2' INTERVAL)
- DAYLIGHT LINE
- EXISTING RAILROAD
- STATE HIGHWAY 67
- ULTIMATE LIMITS OF SQUAW GULCH GEOMEMBRANE
- LEAK DETECTION SUMP

## NOTES:

1. GRADING SHOWN REPRESENTS TOP OF PRIMARY GEOMEMBRANE LINER, WHICH IS EQUIVALENT THE THE TOP OF LOW-VOLUME SOLUTION COLLECTION FILL.
2. LOW-VOLUME SOLUTION COLLECTION RISER LOCATION IS APPROXIMATE AND MAY BE RELOCATED DURING CONSTRUCTION FOR EASE OF INSTALLATION AND OPERATION, AS DIRECTED BY THE OWNER.

## REVISION NOTE:

1. THIS DRAWING REPLACES DRAWING A206-TOP OF SOIL LINER FILL GRADING PLAN, WHICH WAS INITIALLY "ISSUED FOR CONSTRUCTION" ON 10 JAN. 2014.

**ADR PLATFORM SETOUT DATA**

| POINT # | ELEVATION | NORTHING | EASTING |
|---|---|---|---|
| ADR-17 | 9450.00 | 54812.15 | 33819.94 |
| ADR-18 | 9450.00 | 54860.37 | 33832.65 |
| ADR-19 | 9450.00 | 55018.37 | 34028.93 |
| ADR-20 | 9450.00 | 55022.49 | 34078.11 |
| ADR-21 | 9450.00 | 55003.08 | 34094.73 |
| ADR-22 | 9433.92 | 54981.67 | 34052.02 |
| ADR-23 | 9433.87 | 54982.40 | 34060.81 |
| ADR-24 | 9433.70 | 54956.96 | 34085.66 |
| ADR-25 | 9450.00 | 55035.51 | 34161.66 |
| ADR-26 | 9433.00 | 55009.48 | 34193.54 |
| ADR-27 | 9433.00 | 54894.59 | 34209.65 |
| ADR-28 | 9433.00 | 54722.55 | 34114.68 |
| ADR-29 | 9433.00 | 54658.56 | 34125.56 |
| ADR-30 | 9450.00 | 54622.24 | 34100.16 |
| ADR-31 | 9434.62 | 54828.61 | 33864.33 |
| ADR-32 | 9434.63 | 54833.40 | 33865.37 |

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)

60 0 60 120 FT

| | | | |
|---|---|---|---|
| 1 | 01/24/14 | RE-ISSUED FOR CONSTRUCTION | MEN / PBS |
| 0 | 01/10/14 | ISSUED FOR CONSTRUCTION | MEN / PBS |

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ISSUED FOR RECORD OF CONSTRUCTION

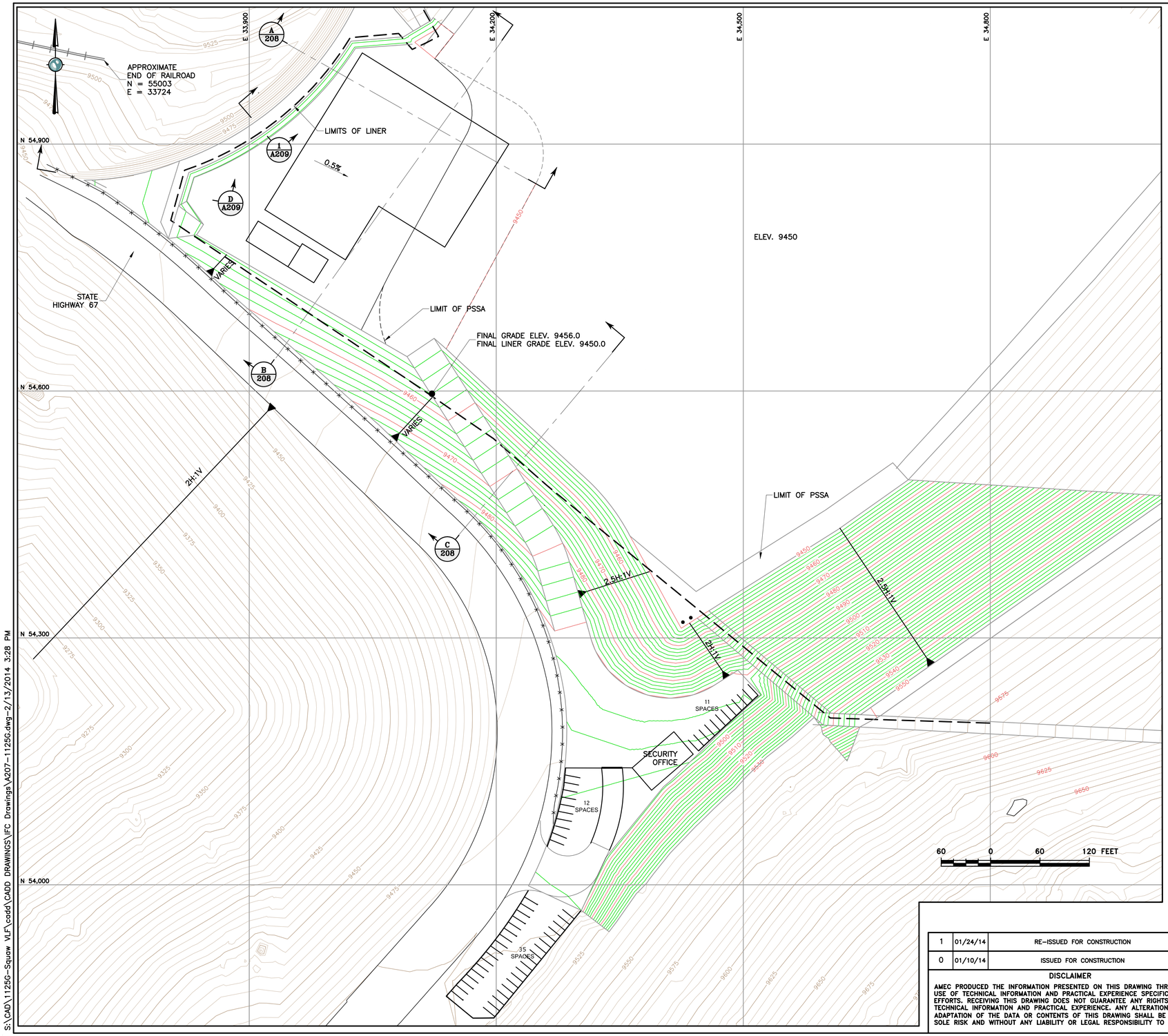
CLIENT: CRIPPLE CREEK & VICTOR GOLD MINING COMPANY

PROJECT: SQUAW GULCH VLF

TITLE: ADR PLANT PLATFORM TOP OF PRIMARY LINER GRADING PLAN

| | | | |
|---|---|---|---|
| DESIGNED BY | JNM | CHECKED BY | MEN |
| DRAWN BY | PBS | APPROVED BY | MEN |

| FILENAME | DRAWING No. | REV |
|---|---|---|
| A206-1125G | A206 | 1 |




## LEGEND:

- EXISTING GROUND SURFACE CONTOUR AND EL, FEET (LAND SURVEY) (5' INTERVAL)
- PROPOSED GROUND SURFACE CONTOUR AND EL. FEET (2' INTERVAL)
- DAYLIGHT LINE
- EXISTING RAILROAD
- ULTIMATE LIMITS OF SQUAW GULCH GEOMEMBRANE

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)

| | | | |
|---|---|---|---|
| 1 | 01/24/14 | RE-ISSUED FOR CONSTRUCTION | MEN / BDP |
| 0 | 01/10/14 | ISSUED FOR CONSTRUCTION | MEN / PBS |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CLIENT: CRIPPLE CREEK & VICTOR GOLD MINING COMPANY

PROJECT: SQUAW GULCH VLF

TITLE: ADR PLANT PLATFORM & PSSA FINAL GRADING PLAN

| | | | |
|---|---|---|---|
| DESIGNED BY | JNM | CHECKED BY | MEN |
| DRAWN BY | PBS | APPROVED BY | MEN |

| FILENAME | DRAWING No. | REV |
|---|---|---|
| A207-1125G | A207 | 1 |

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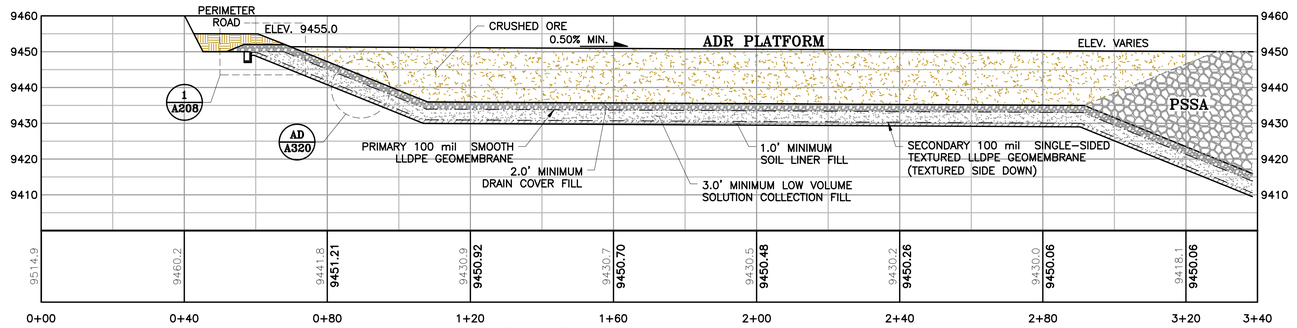
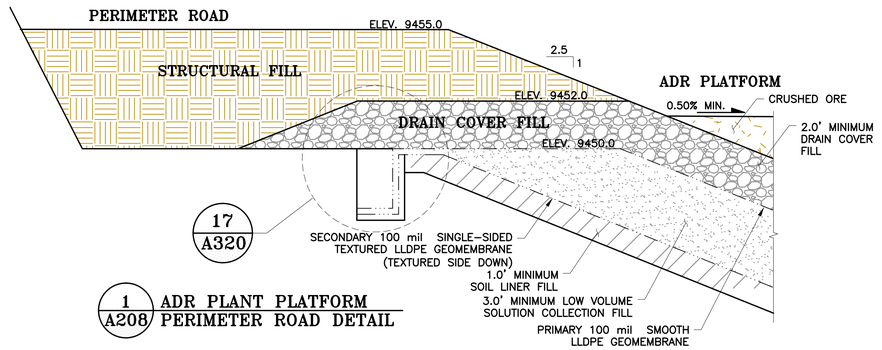
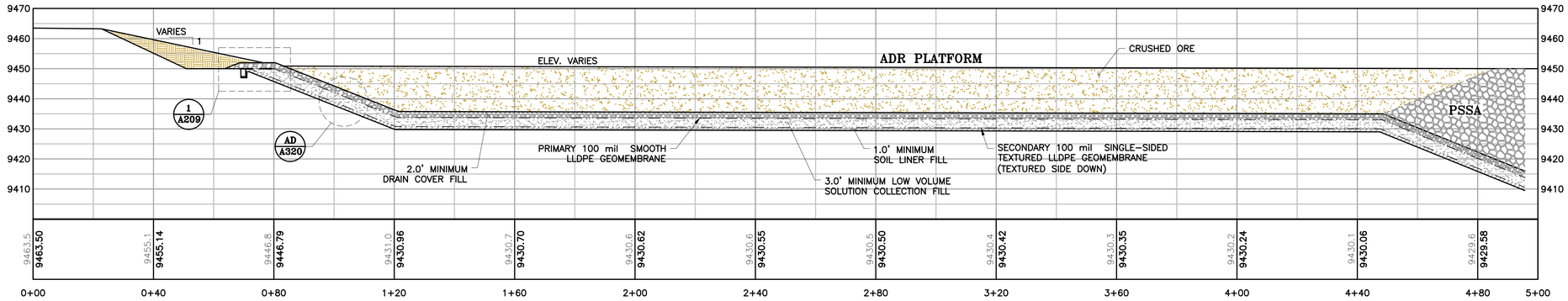


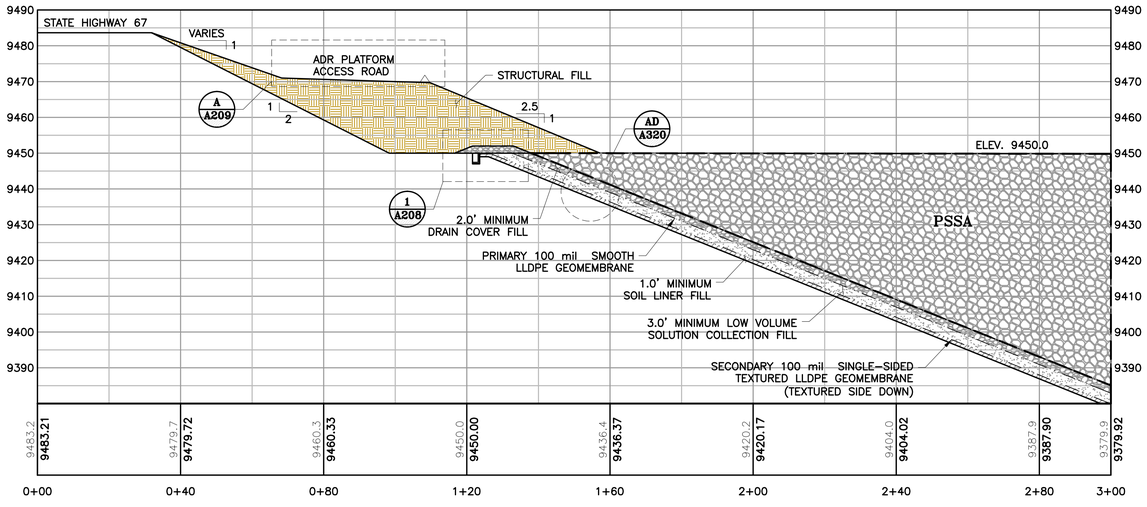

A A205 / A A206 / A A207 ADR PLANT PLATFORM SECTION A
SCALE: 1"=20'



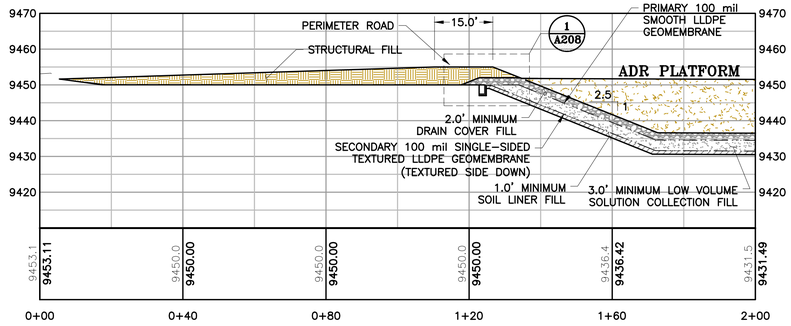

1 A208 ADR PLANT PLATFORM PERIMETER ROAD DETAIL




B A205 / B A206 / B A207 ADR PLANT PLATFORM SECTION B
SCALE: 1"=20'




C A205 / C A206 / C A207 ADR PLANT PLATFORM SECTION C
SCALE: 1"=20'




D A207 ADR PLANT PLATFORM SECTION D
SCALE: 1"=20'

ISSUED FOR RECORD OF CONSTRUCTION

CLIENT: CRIPPLE CREEK & VICTOR GOLD MINING COMPANY

PROJECT: SQUAW GULCH VLF

TITLE: ADR PLANT PLATFORM SECTIONS AND DETAILS

| | | | |
|---|---|---|---|
| 0 | 01/24/14 | ISSUED FOR CONSTRCTION | MEN / PBS |

DISCLAIMER
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| | | | |
|---|---|---|---|
| DESIGNED BY | JNM | CHECKED BY | MEN |
| DRAWN BY | PBS | APPROVED BY | MEN |

| FILENAME | DRAWING No. | REV |
|---|---|---|
| A208-1125G | A208 | 0 |

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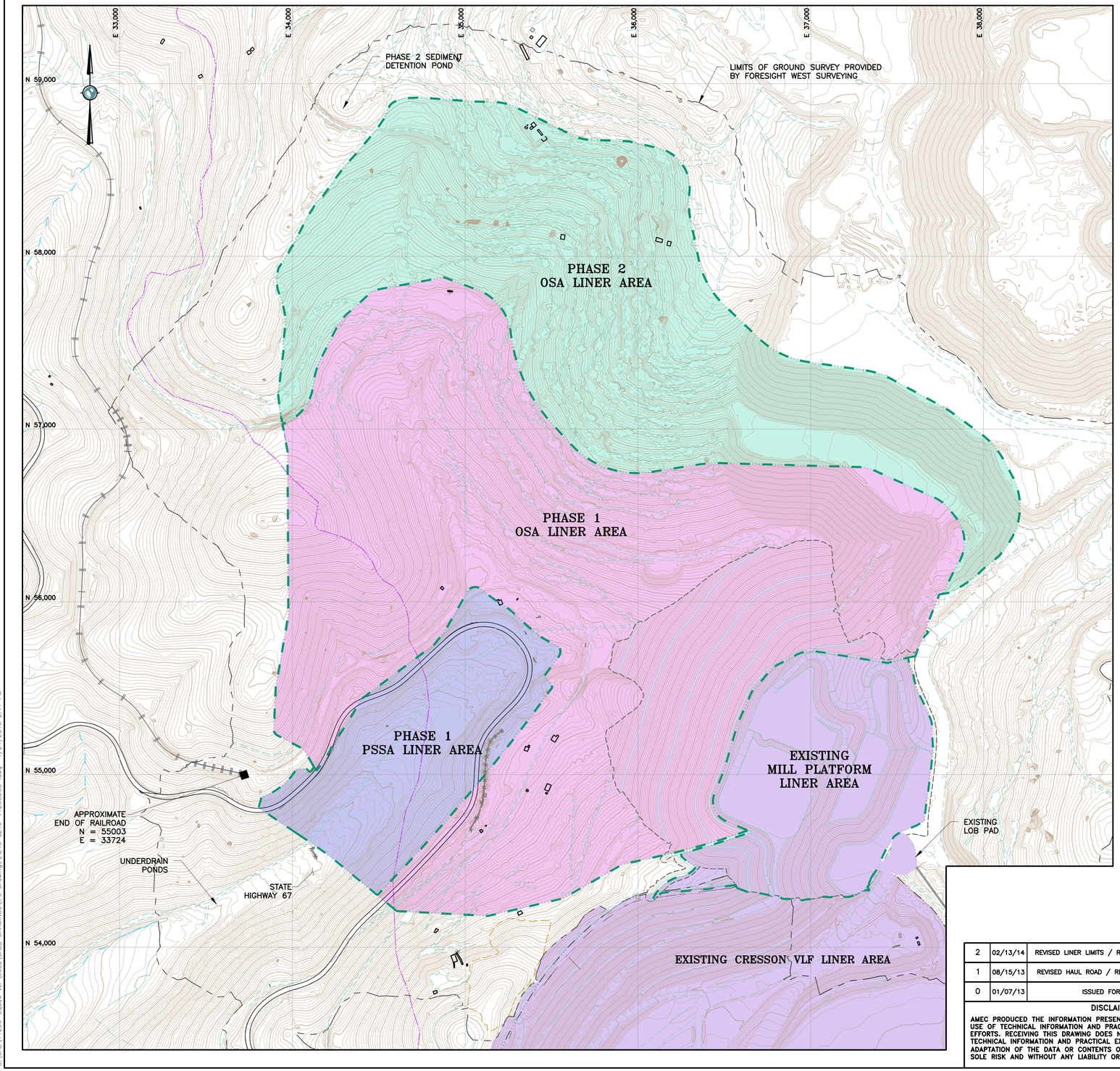


## LEGEND:

- 9200 — EXISTING GROUND SURFACE CONTOUR AND EL, FEET (AERIAL SURVEY)
- 9200 — EXISTING GROUND SURFACE CONTOUR AND EL, FEET (LAND SURVEY)
- 100 — MILL PLATFORM GROUND SURFACE CONTOUR EL, FEET
- 9200 — PROPOSED GROUND SURFACE CONTOUR EL, FEET
- PHASE 1 OSA LINER LIMITS (80 mil DOUBLE SIDED TEXTURED LLDPE GEOMEMBRANE)
- PHASE 2 OSA LINER LIMITS (80 mil DOUBLE SIDED TEXTURED LLDPE GEOMEMBRANE)
- PSSA LINER LIMITS (SEE NOTE 1)
- EXISTING CRESSON VLF LINER LIMITS
- LINER LIMITS
- DAYLIGHT LINE
- APPROXIMATE LIMITS OF DIATREME
- EXISTING UNIMPROVED ROAD/TRAILS
- EXISTING DRAINAGES
- RAILROAD ALIGNMENT
- STATE HIGHWAY 67

## NOTES:

1. THE GEOMEMBRANE LINERS INSIDE THE PSSA ARE AS FOLLOWS:
   100 mil SMOOTH LLDPE ON TOP
   100 mil SINGLE SIDED TEXTURED (TEXTURED SIDE DOWN) LLDPE ON THE BOTTOM
2. PROPOSED CONTOURS REPRESENT TOP OF SOIL LINER FILL.
3. REMOVED EXISTING UTILITIES FROM DRAWING.
4. UPDATED EXISTING GROUND TO INCLUDE MILL PLATFORM AND MILL LINER SURFACE.
5. UNDERDRAIN POND AND PHASE 2 SEDIMENT POND HAVE BEEN REVISED.
6. PHASE 2 SURFACE WATER DIVERSION CHANNEL AND SEDIMENT DETENTION POND WILL BE BUILT WITH PHASE 1.
7. PSSA EMBANKMENT HAS BEEN WIDENED BY 2'.

300 0 300 600 FEET

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)

ISSUED FOR RECORD OF CONSTRUCTION

| | | | |
|---|---|---|---|
| 2 | 02/13/14 | REVISED LINER LIMITS / RE-ISSUED FOR CONSTRUCTION | MN / PBS |
| 1 | 08/15/13 | REVISED HAUL ROAD / RE-ISSUED FOR CONSTRUCTION | MN / PBS |
| 0 | 01/07/13 | ISSUED FOR CONSTRUCTION | JNM / CMT |


DISCLAIMER

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CLIENT: CRIPPLE CREEK & VICTOR GOLD MINING COMPANY

PROJECT: SQUAW GULCH VLF

TITLE: OVERALL LINER LIMITS

amec

| | | | |
|---|---|---|---|
| DESIGNED BY | JNM | CHECKED BY | MEN |
| DRAWN BY | CMT | APPROVED BY | CJB |

FILENAME: 1125GM63 | DRAWING No.: A215 | REV: 2

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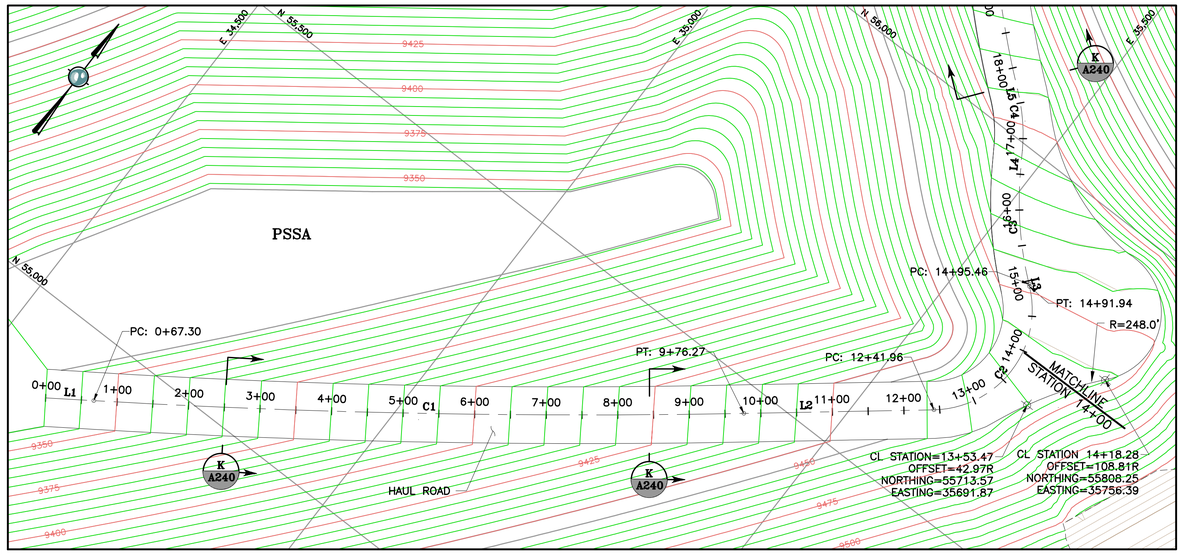
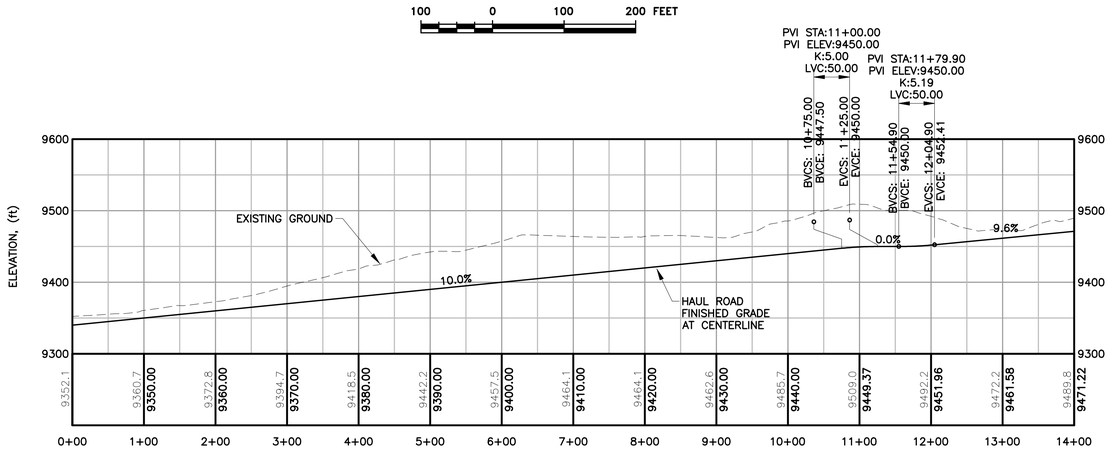



100 0 100 200 FEET

100 0 100 200 FT
HORIZONTAL

100 0 100 200 FT
VERTICAL

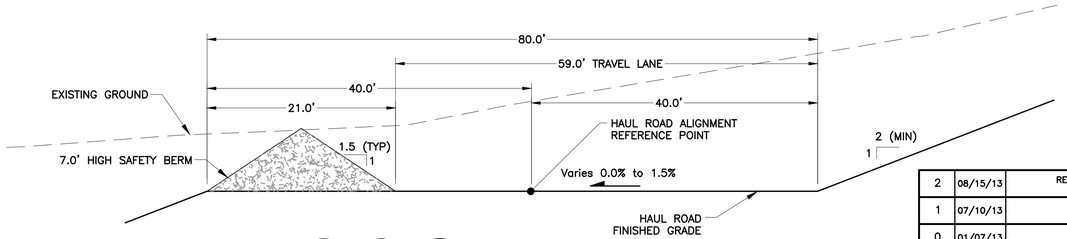
## HAUL ROAD SETOUT DATA CENTER OF DRIVE LANE

| SEGMENT | STARTING STATION | NORTHING | EASTING | DELTA (D–M–S) | RADIUS (ft) | LENGTH (ft) |
|---|---|---|---|---|---|---|
| L1 | 0+00.00 | 54,880.85 | 34,602.09 | | | |
| C1 | 0+67.30 | 54,918.96 | 34,657.56 | 4–24–47 | 11,801.60 | 908.97 |
| L2 | 9+76.27 | 55,461.98 | 35,386.23 | | | |
| C2 | 12+41.96 | 55,628.83 | 35,592.99 | 102–18–24 | 140.00 | 249.98 |
| L3 | 14+91.94 | 55,846.90 | 35,592.79 | | | |
| C3 | 14+95.46 | 55,849.10 | 35,590.04 | 18–36–16 | 500.00 | 162.35 |
| L4 | 16+57.81 | 55,969.40 | 35,482.08 | | | |
| C4 | 16+83.65 | 55,991.17 | 35,468.16 | 18–36–26 | 250.00 | 81.19 |
| L5 | 17+64.84 | 56,051.33 | 35,414.17 | | | |
| C5 | 17+69.56 | 56,054.28 | 35,410.49 | 19–22–32 | 1,350.00 | 456.53 |
| L6 | 22+26.08 | 56,394.45 | 35,109.30 | | | |
| C6 | 22+60.83 | 56,423.98 | 35,090.96 | 21–58–48 | 160.00 | 61.38 |
| L7 | 23+22.21 | 56,468.72 | 35,049.50 | | | |
| C7 | 23+40.54 | 56,479.54 | 35,034.70 | 11–38–45 | 1,560.00 | 317.08 |
| L8 | 26+57.62 | 56,691.38 | 34,799.50 | | | |
| C8 | 26+70.20 | 56,700.70 | 34,791.05 | 25–32–32 | 694.08 | 309.42 |
| C9 | 29+79.62 | 56,876.81 | 34,539.76 | 23–03–43 | 756.00 | 304.29 |
| L9 | 32+83.91 | 57,050.59 | 34,292.47 | | | |
| C10 | 32+97.15 | 57,060.21 | 34,283.39 | 66–31–35 | 321.00 | 372.71 |
| L10 | 36+69.86 | 57,406.87 | 34,221.58 | | | |
| C11 | 38+02.20 | 57,528.55 | 34,273.62 | 56–20–07 | 300.00 | 294.97 |
| L11 | 40+97.17 | 57,705.55 | 34,494.73 | | | |
| C12 | 45+21.72 | 57,783.00 | 34,912.15 | 93–36–20 | 265.00 | 432.94 |
| L12 | 49+54.65 | 57,554.30 | 35,223.57 | | | |
| C13 | 49+62.19 | 57,546.82 | 35,224.48 | 35–45–39 | 985.00 | 614.78 |
| L13 | 55+76.97 | 56,997.68 | 35,478.04 | | | |
| C14 | 57+30.13 | 56,885.06 | 35,581.84 | 56–28–20 | 560.00 | 551.95 |
| L14 | 62+82.08 | 56,711.69 | 36,082.55 | | | |
| C15 | 65+40.17 | 56,752.68 | 36,337.36 | 10–45–58 | 790.00 | 148.44 |
| L15 | 66+88.61 | 56,762.39 | 36,485.27 | | | |
| C16 | 74+82.91 | 56,739.81 | 37,279.25 | 22–39–00 | 190.00 | 75.11 |
| L16 | 75+58.02 | 56,723.09 | 37,351.97 | | | |
| C17 | 79+37.96 | 56,566.87 | 37,698.32 | 27–02–22 | 190.00 | 89.67 |
| L17 | 80+27.63 | 56,512.42 | 37,768.51 | | | |
| C18 | 80+90.02 | 56,463.71 | 37,807.51 | 69–07–11 | 190.00 | 229.21 |
| L18 | 83+19.23 | 56,248.71 | 37,823.00 | | | |
| C19 | 83+29.24 | 56,240.09 | 37,817.94 | 8–46–46 | 1,269.00 | 194.45 |
| L19 | 85+23.69 | 56,065.56 | 37,732.63 | | | |
| C20 | 87+60.01 | 55,845.92 | 37,645.42 | 78–14–57 | 39.00 | 53.26 |
| L20 | 88+13.27 | 55,798.97 | 37,660.19 | | | |

**LEGEND:**

9200 PROPOSED GROUND SURFACE CONTOUR AND EL. FEET

CENTERLINE LINE




K A200 K A240 K A241 TYPICAL PSSA HAUL ROAD SECTION FROM STA. 0+00 TO STA. 32+50

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)

| | | | |
|---|---|---|---|
| 2 | 08/15/13 | REVISED HAUL ROAD PER AMES COMM. RE-ISSUED FOR CONSTRUCTION | MN / PBS |
| 1 | 07/10/13 | REVISED HAUL ROAD RE-ISSUED FOR CONSTRUCTION | MN / PBS |
| 0 | 01/07/13 | ISSUED FOR CONSTRUCTION | JNM / CMT |


DISCLAIMER

AMEC PRODUCED THE INFORMATION PRESENTED ON THIS DRAWING THROUGH THE USE OF TECHNICAL INFORMATION AND PRACTICAL EXPERIENCE SPECIFIC TO ITS EFFORTS. RECEIVING THIS DRAWING DOES NOT GUARANTEE ANY RIGHTS TO SUCH TECHNICAL INFORMATION AND PRACTICAL EXPERIENCE. ANY ALTERATION OR ADAPTATION OF THE DATA OR CONTENTS OF THIS DRAWING SHALL BE AT USER'S SOLE RISK AND WITHOUT ANY LIABILITY OR LEGAL RESPONSIBILITY TO AMEC.


ISSUED FOR RECORD OF CONSTRUCTION

CLIENT: CRIPPLE CREEK & VICTOR GOLD MINING COMPANY

PROJECT: SQUAW GULCH VLF

TITLE: HAUL ROAD PLAN AND PROFILE SHEET 1 OF 4

amec

| | | | |
|---|---|---|---|
| DESIGNED BY | CMT | CHECKED BY | MEN |
| DRAWN BY | CMT | APPROVED BY | BRB |

FILENAME: 1125GP72 | DRAWING No.: A240 | REV: 2

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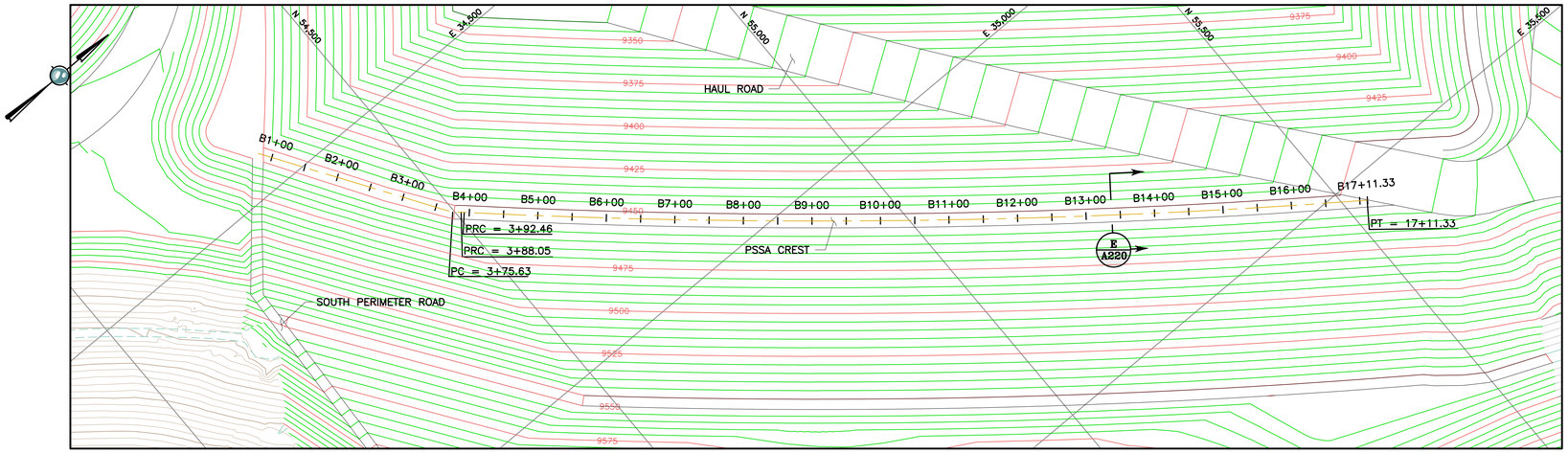


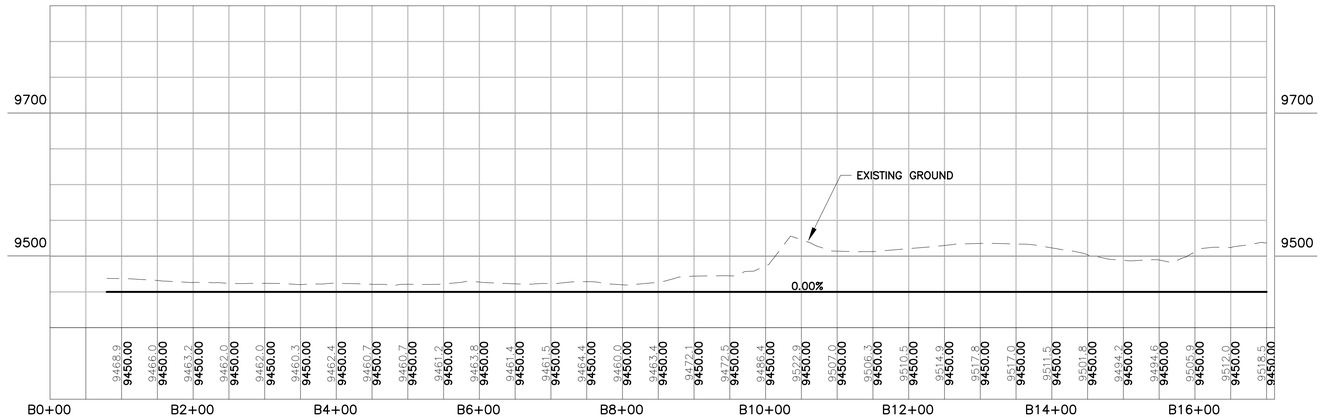

100 0 100 200 FEET

**LEGEND:**

- EXISTING GROUND SURFACE CONTOUR AND EL, FEET (LAND SURVEY)
- PROPOSED GROUND SURFACE CONTOUR AND EL. FEET
- DAYLIGHT LINE
- CENTERLINE LINE
- B6+00 — 9450 ELEVATION CONSTRUCTION ROAD CENTERLINE

**PSSA CREST**

| | STATION | NORTHING | EASTING | DELTA (D–M–S) | RADIUS (FT) | LENGTH (FT) |
|---|---|---|---|---|---|---|
| PI | B0+79.25 | 54335.13 | 34443.65 | | | |
| PC | B3+75.63 | 54497.34 | 34691.68 | | | |
| | | | | 04–44–48 | 150 | 12.43 |
| PRC | B3+88.05 | 54506.72 | 34699.82 | | | |
| | | | | 04–12–33 | 60 | 4.41 |
| PRC | B3+92.46 | 54510.06 | 34702.69 | | | |
| | | | | 07–08–43 | 10575.43 | 1318.87 |
| PT | B17+11.33 | 55531.05 | 35536.21 | | | |




100 0 100 200 FEET
VERTICAL SCALE

100 0 100 200 FEET
HORIZONTAL SCALE

VERTICAL EXAGGERATION = 1X

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)

| | | | |
|---|---|---|---|
| 2 | 02/13/14 | REVISED BENCH B / RE-ISSUED FOR CONSTRUCTION | MEN / PBS |
| 1 | 08/15/13 | REVISED HAUL ROAD / RE-ISSUED FOR CONSTRUCTION | MEN / PBS |
| 0 | 01/07/13 | ISSUED FOR CONSTRUCTION | JNM / CMT |

**DISCLAIMER**

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ISSUED FOR RECORD OF CONSTRUCTION

CLIENT: CRIPPLE CREEK & VICTOR GOLD MINING COMPANY

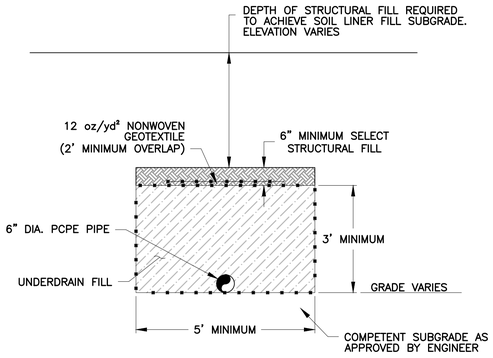
PROJECT: SQUAW GULCH VLF

TITLE: PSSA CREST PLAN AND PROFILE

| | | | |
|---|---|---|---|
| DESIGNED BY | JNM | CHECKED BY | JNM |
| DRAWN BY | ACW | APPROVED BY | JNM |

FILENAME: 1125GP84 | DRAWING No.: A249 | REV: 2

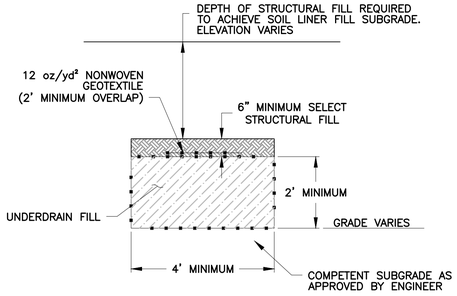
S:\CAD\1125G-Squaw VLF\codd\CADD DRAWINGS\IFC Drawings\g249-1125GP84.dwg 1/21/2013 2:41 PM




NOTES:

1. CONFIGURATION OF UNDERDRAIN TRENCHES MAY BE MODIFIED PROVIDED MINIMUM CROSS SECTIONAL AREA SHOWN ABOVE IS ACHIEVED.
2. UNDERDRAIN SHALL BE INSTALLED ON A MINIMUM 1.0% GRADE.
3. AS REQUIRED BY LOCALIZED GRADING, THE UNDERDRAIN CAN BE INSTALLED WITH A MINIMUM SLOPE OF 0.5% WITH APPROVAL FROM THE ENGINEER.

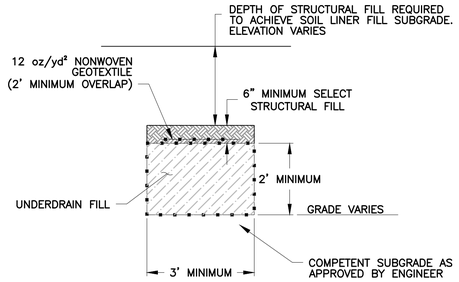
L / A200 — L / A256 PRIMARY UNDERDRAIN
NTS




NOTES:

1. CONFIGURATION OF UNDERDRAIN TRENCHES MAY BE MODIFIED PROVIDED MINIMUM CROSS SECTIONAL AREA SHOWN ABOVE IS ACHIEVED.
2. UNDERDRAIN SHALL BE INSTALLED ON A MINIMUM 1.0% GRADE.
3. AS REQUIRED BY LOCALIZED GRADING, THE UNDERDRAIN CAN BE INSTALLED WITH A MINIMUM SLOPE OF 0.5% WITH APPROVAL FROM THE ENGINEER.

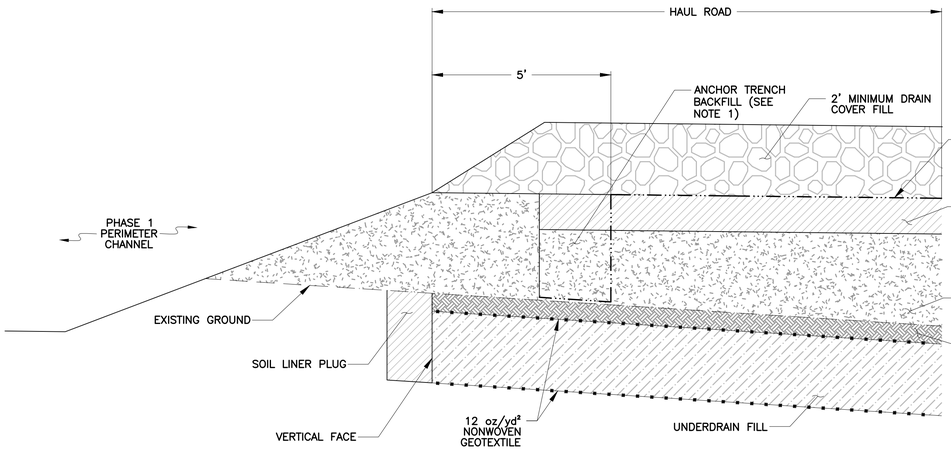
M / A200 — M / A210 SECONDARY UNDERDRAIN
NTS



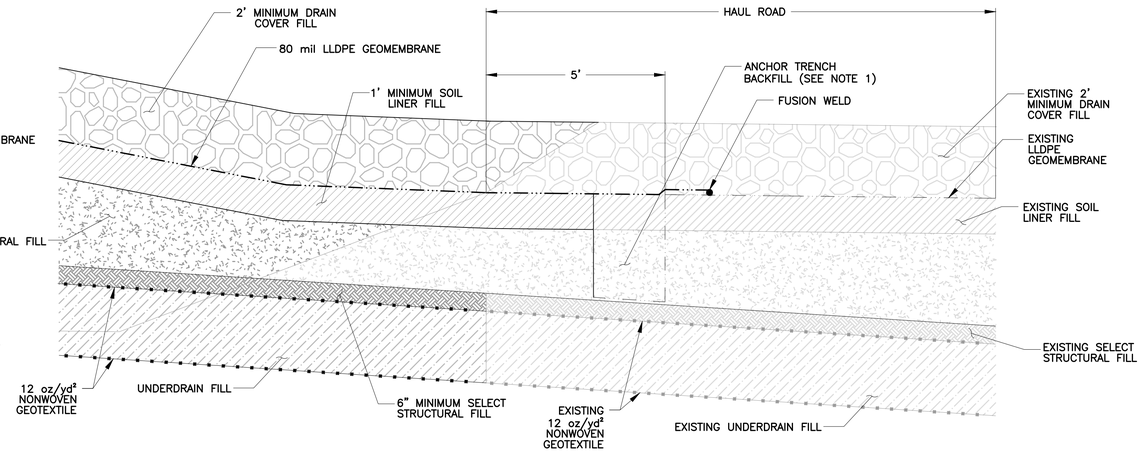

NOTES:

1. CONFIGURATION OF UNDERDRAIN TRENCHES MAY BE MODIFIED PROVIDED MINIMUM CROSS SECTIONAL AREA SHOWN ABOVE IS ACHIEVED.
2. TERTIARY UNDERDRAINS SHALL BE INSTALLED IN THE AREAS OF THE VALLEY LEACH FACILITY WHERE SEEPS OCCUR OUTSIDE OF THE TOPOGRAPHIC LOW POINTS. INSTALLATION SHALL BE APPROVED BY THE ENGINEER DURING CONSTRUCTION.
3. UNDERDRAIN SHALL BE INSTALLED ON A MINIMUM 1.0% GRADE.
4. AS REQUIRED BY LOCALIZED GRADING, THE UNDERDRAIN CAN BE INSTALLED WITH A MINIMUM SLOPE OF 0.5% WITH APPROVAL FROM THE ENGINEER.

N / — TYPICAL TERTIARY UNDERDRAIN
NTS




PHASE 1 UNDERDRAIN TERMINATION




PHASE 2 CONTINUATION OF UNDERDRAIN

NOTES:

1. COMPACTED SOIL LINER FILL OR OTHER FILL APPROVED BY THE MANAGER TO BACKFILL ANCHOR TRENCH. ANCHOR TRENCHES INTERNAL TO THE VLF WILL BE BACKFILLED WITH SOIL LINER FILL FOR THE UPPER 1FT (MIN.).

4 / A200 — 4 / A210 TEMPORARY UNDERDRAIN TERMINATION
NTS

| | | | |
|---|---|---|---|
| 0 | 01/07/13 | ISSUED FOR CONSTRUCTION | JNM / CMT |

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ISSUED FOR RECORD OF CONSTRUCTION

CLIENT: CRIPPLE CREEK & VICTOR GOLD MINING COMPANY

PROJECT: SQUAW GULCH VLF

TITLE: UNDERDRAIN DETAILS SHEET 1 OF 2

| | | | |
|---|---|---|---|
| DESIGNED BY | JNM | CHECKED BY | JNM |
| DRAWN BY | DS | APPROVED BY | KFM |

FILENAME: 1125GD24 | DRAWING No.: A250 | REV: 0

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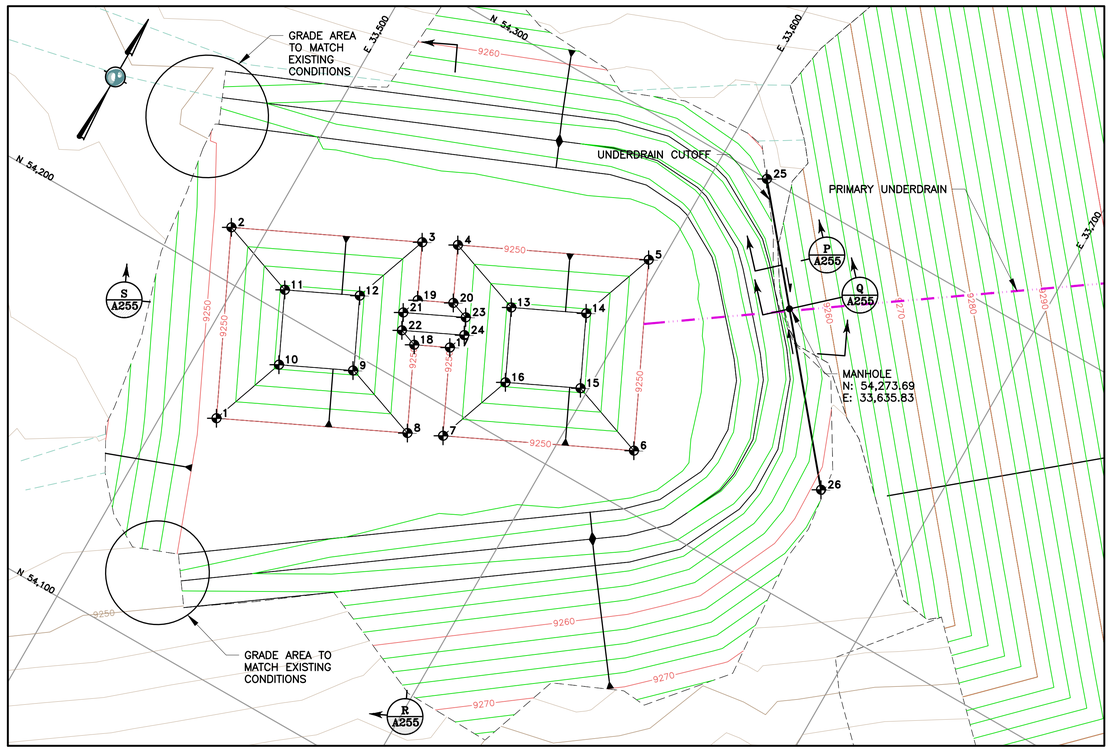



## UNDERDRAIN PONDS PLAN

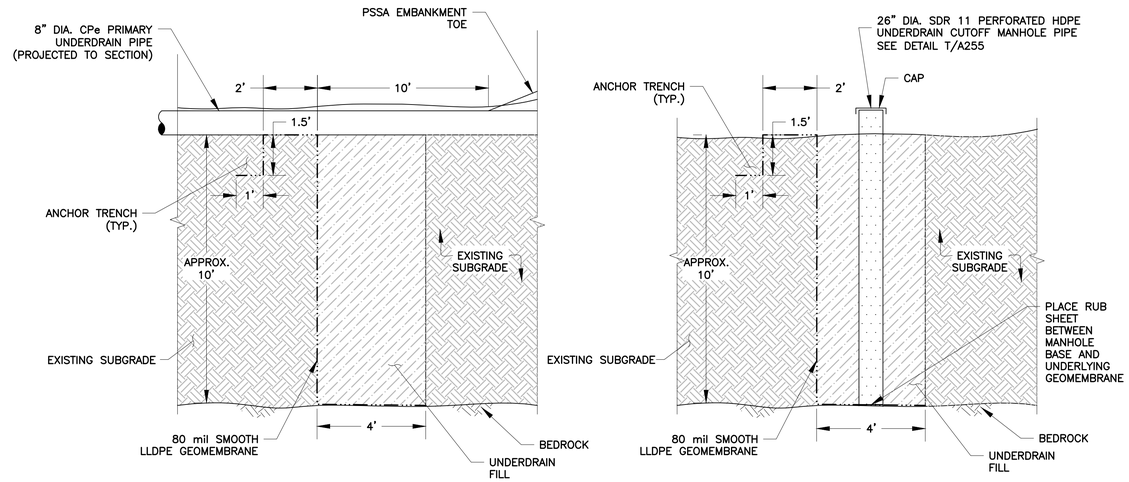
20 0 20 40 FEET

REFERENCE:

EXISTING GROUND TOPOGRAPHY WAS CREATED BY COMBINING THE FOLLOWING FILES:
- SQUAW GULCH BASE TOPO – PHASE 1.DWG (RECV MARCH 29, 2010 FROM FORESIGHT WEST SURVEYING, INC.)
- SQUAW GULCH BASE TOPO – PHASE 2.DWG (RECV APRIL 26, 2010 FROM FORESIGHT WEST SURVEYING, INC.)
- SQUAW GULCH BASE TOPO – PHASE 3.DWG (RECV MAY 4, 2010 FROM FORESIGHT WEST SURVEYING, INC.)
- 09028-COMOSITE-TOPO MLE LIMITS.DWG (RECV MAY 28, 2010 FROM CC&V)

## LEGEND:

- 5990 EXISTING GROUND SURFACE CONTOUR AND EL, FEET
- 5850 PROPOSED GROUND SURFACE CONTOUR AND EL, FEET
- DAYLIGHT
- EXISTING ROAD/TRAIL
- PRIMARY UNDERDRAIN PIPE



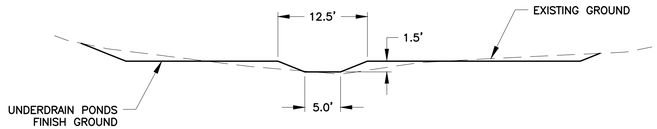

P A255 UNDERDRAIN CUTOFF DETAIL

NTS




Q A255 UNDERDRAIN CUTOFF MANHOLE DETAIL

NTS




R A255 UNDERDRAIN PONDS SECTION

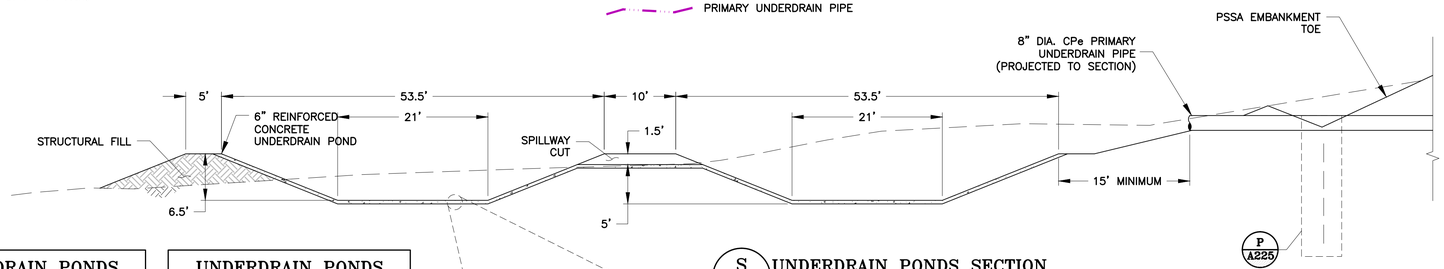
NTS

### UNDERDRAIN CUTOFF CONTROL POINTS

| ID | NORTHING | EASTING | ELEVATION |
|---|---|---|---|
| 25 | 54299.91 | 33614.03 | 9258.40 |
| 26 | 54232.09 | 33670.42 | 9257.00 |

## NOTES:

1. SHAFTS SHALL BE DRILLED PRIOR TO CONSTRUCTION OF THE CLOSURE DRAIN, WITH A MINIMUM DIAMETER OF 8 INCHES.
2. SHAFTS SHALL BE EXTEND A MINIMUM OF 10 FEET INTO THE DIATREME
3. CLOSURE DRAIN SHALL BE CONSTRUCTED PRIOR TO THE SOIL LINER INSTALLATION IN THE PSSA.
4. UNDERDRRAIN CONTROL POINTS ARE TOP OF CONCRETE.
5. UNDERDRAIN POND HAS BEEN REVISED.
6. ALL CAST CONCRETE SHALL BE CDOT CLASS B WITH A MINIMUM 28-DAY COMPRESSIVE STRENGTH OF F'C = 4,500 PSI.
7. CHAMFER EXPOSED EDGES OF ALL CONCRETE ¾", UNLESS NOTED OTHERWISE ON THE PLANS.
8. ALL REINFORCING STEEL SHALL CONFORM TO AASHTO M31 OR M322, GRADE 60 DEFORMED.
9. THE MINIMUM CONCRETE COVER TO THE FACE OF ANY BAR SHALL BE 2", UNLESS SHOWN OTHERWISE ON THE PLANS.
10. ALL WELDED WIRE FABRIC SHALL BE BLACK AND CONFORM TO ASTM A185




S A255 UNDERDRAIN PONDS SECTION

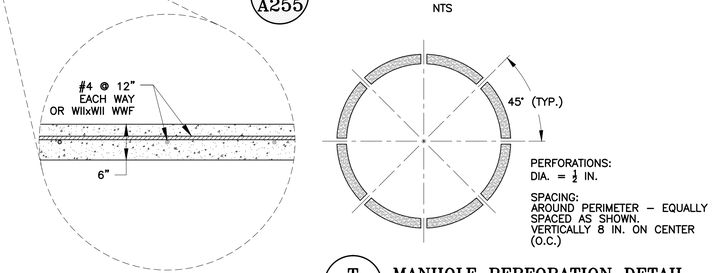
NTS

### UNDERDRAIN PONDS CONTROL POINTS

| ID | NORTHING | EASTING | ELEVATION |
|---|---|---|---|
| 1 | 54165.37 | 33513.91 | 9250.00 |
| 2 | 54213.70 | 33490.96 | 9250.00 |
| 3 | 54236.65 | 33539.29 | 9250.00 |
| 4 | 54240.93 | 33548.32 | 9250.00 |
| 5 | 54263.88 | 33596.65 | 9250.00 |
| 6 | 54215.56 | 33619.60 | 9250.00 |
| 7 | 54192.61 | 33571.27 | 9250.00 |
| 8 | 54188.32 | 33562.24 | 9250.00 |
| 9 | 54195.92 | 33540.36 | 9243.50 |
| 10 | 54187.02 | 33521.62 | 9243.50 |
| 11 | 54205.99 | 33512.61 | 9243.50 |
| 12 | 54215.00 | 33531.58 | 9243.50 |

### UNDERDRAIN PONDS CONTROL POINTS

| ID | NORTHING | EASTING | ELEVATION |
|---|---|---|---|
| 13 | 54233.23 | 33569.97 | 9243.50 |
| 14 | 54242.24 | 33588.94 | 9243.50 |
| 15 | 54223.27 | 33597.95 | 9243.50 |
| 16 | 54214.26 | 33578.98 | 9243.50 |
| 17 | 54214.96 | 33560.66 | 9250.00 |
| 18 | 54210.67 | 33551.62 | 9250.00 |
| 19 | 54221.97 | 33546.26 | 9250.00 |
| 20 | 54226.26 | 33555.29 | 9250.00 |
| 21 | 54216.97 | 33544.48 | 9248.50 |
| 22 | 54212.45 | 33546.63 | 9248.50 |
| 23 | 54224.48 | 33560.29 | 9248.50 |
| 24 | 54219.96 | 33562.43 | 9248.50 |




T A255 MANHOLE PERFORATION DETAIL

| | | | |
|---|---|---|---|
| 1 | 03/14/13 | RE-ISSUED FOR CONSTRUCTION | MEN / JTC |
| 0 | 01/07/13 | ISSUED FOR CONSTRUCTION | JNM / CMT |

**DISCLAIMER**

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ISSUED FOR RECORD OF CONSTRUCTION

CLIENT: CRIPPLE CREEK & VICTOR GOLD MINING COMPANY

PROJECT: SQUAW GULCH VLF

TITLE: UNDERDRAIN DETAILS SHEET 2 OF 2

| | | | |
|---|---|---|---|
| DESIGNED BY | JNM | CHECKED BY | JNM |
| DRAWN BY | DS | APPROVED BY | KFM |

FILENAME: 1125GD25 | DRAWING No.: A255 | REV: 1

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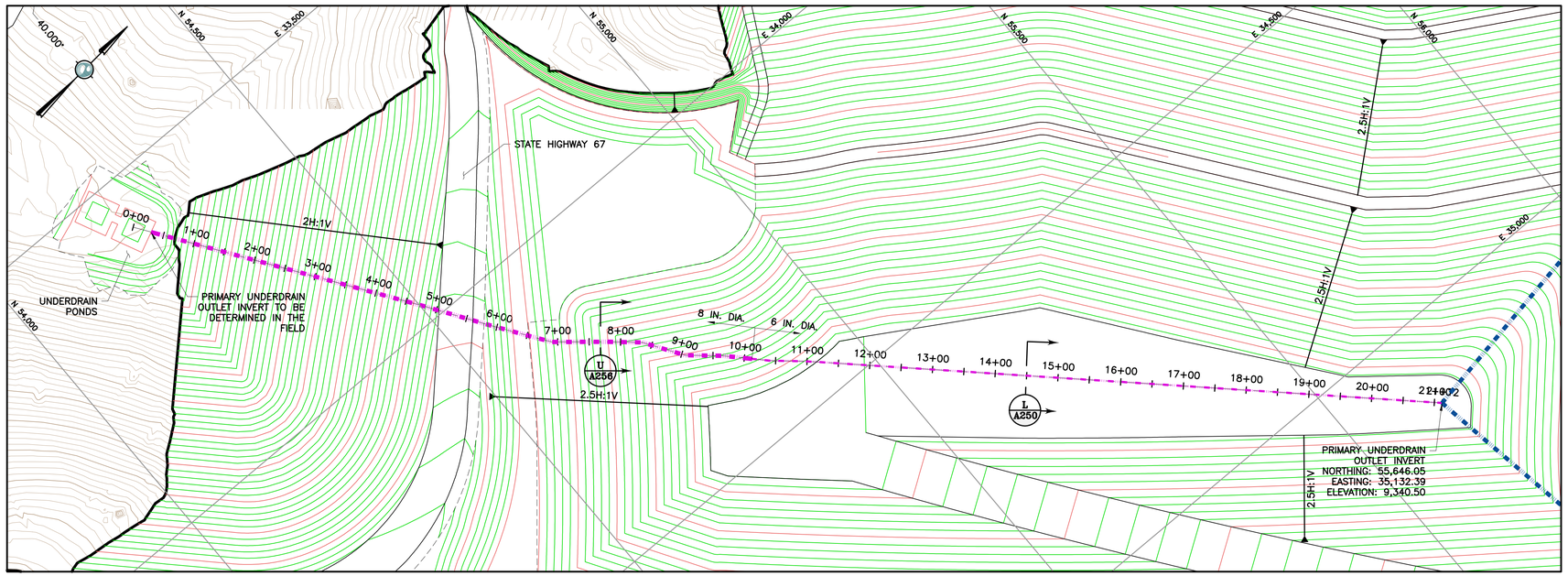



100 0 100 200 FT

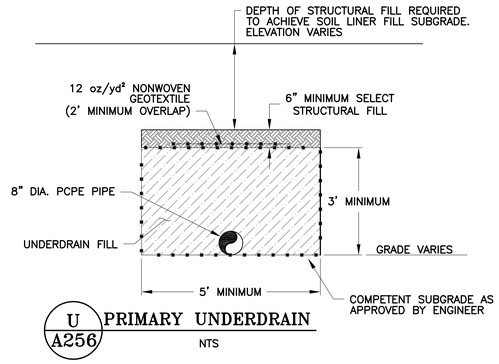



100 0 100 200 FT
HORIZONTAL

100 0 100 200 FT
VERTICAL

## LEGEND:

- EXISTING GROUND SURFACE CONTOUR AND EL, FEET (LAND SURVEY)
- PROPOSED GROUND SURFACE CONTOUR AND EL. FEET
- DAYLIGHT LINE
- EXISTING UNIMPROVED ROAD/TRAILS
- STATE HIGHWAY 67
- UNDERDRAIN PUMPBACK PIPE
- PRIMARY UNDERDRAIN PIPE
- SECONDARY UNDERDRAIN PIPE (PHASE 1)




U A256 PRIMARY UNDERDRAIN
NTS

## NOTES:

1. CONFIGURATION OF UNDERDRAIN TRENCHES MAY BE MODIFIED PROVIDED MINIMUM CROSS SECTIONAL AREA SHOWN ABOVE IS ACHIEVED.
2. UNDERDRAIN SHALL BE INSTALLED ON A MINIMUM 1.0% GRADE.
3. AS REQUIRED BY LOCALIZED GRADING, THE UNDERDRAIN CAN BE INSTALLED WITH A MINIMUM SLOPE OF 0.5% WITH APPROVAL FROM THE ENGINEER.
4. USE A 6" TO 8" REDUCER AT APPROXIMATELY STATION 10+12.
5. DURING CONSTRUCTION OF THE EMBANKMENT, THE 8" UNDERDRAIN PIPE WILL EXTEND TO THE EXISTING GROUND TO ALLOW STORM WATER TO DRAIN FROM THE UPSTREAM SIDE OF THE EMBANKMENT.
6. THE INVERT OF THE 8" UNDERDRAIN PIPE SHALL BE ADJUSTED AS CONSTRUCTION OF THE PSSA PROGRESSES TO ALLOW STORM WATER TO DRAIN DURING CONSTRUCTION.
7. UNDERDRAIN POND HAS BEEN REVISED.
8. PSSA EMBANKMENT HAS BEEN WIDENED BY 2'.

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)

**PRIMARY UNDERDRAIN GEOMETRY**

| | STARTING STATION | NORTHING | EASTING |
|---|---|---|---|
| PI | 0+00.00 | 54,230.87 | 33,579.93 |
| PI | 4+81.23 | 54,505.55 | 33,975.06 |
| PI | 5+94.75 | 54,568.72 | 34,069.38 |
| PI | 6+90.49 | 54,623.60 | 34,147.83 |
| PI | 7+78.73 | 54,691.40 | 34,204.32 |
| PI | 8+34.66 | 54,733.57 | 34,241.04 |

**PRIMARY UNDERDRAIN GEOMETRY**

| | STARTING STATION | NORTHING | EASTING |
|---|---|---|---|
| PI | 9+05.49 | 54,772.46 | 34,300.25 |
| PI | 9+65.15 | 54,817.60 | 34,339.25 |
| PI | 10+12.18 | 54,850.32 | 34,373.03 |
| PI | 10+40.71 | 54,870.18 | 34,393.52 |
| PI | 10+93.65 | 54,910.11 | 34,428.27 |
| PI | 11+15.14 | 54,925.91 | 34,442.84 |

| | | | |
|---|---|---|---|
| 2 | 02/13/14 | REV. ADR SITE GRADING/RE-ISSUED FOR CONSTRUCTION | MEN / JTC |
| 1 | 03/14/13 | RE-ISSUED FOR CONSTRUCTION | MEN / JTC |
| 0 | 01/07/13 | ISSUED FOR CONSTRUCTION | JNM / CMT |


DISCLAIMER

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ISSUED FOR RECORD OF CONSTRUCTION

CLIENT: CRIPPLE CREEK & VICTOR GOLD MINE COMPANY

PROJECT: SQUAW GULCH VLF

TITLE: PRIMARY UNDERDRAIN PLAN AND PROFILE

| | | | |
|---|---|---|---|
| DESIGNED BY | CMT | CHECKED BY | JNM |
| DRAWN BY | CMT | APPROVED BY | JNM |

FILENAME: 1125GD112 | DRAWING No.: A256 | REV: 2

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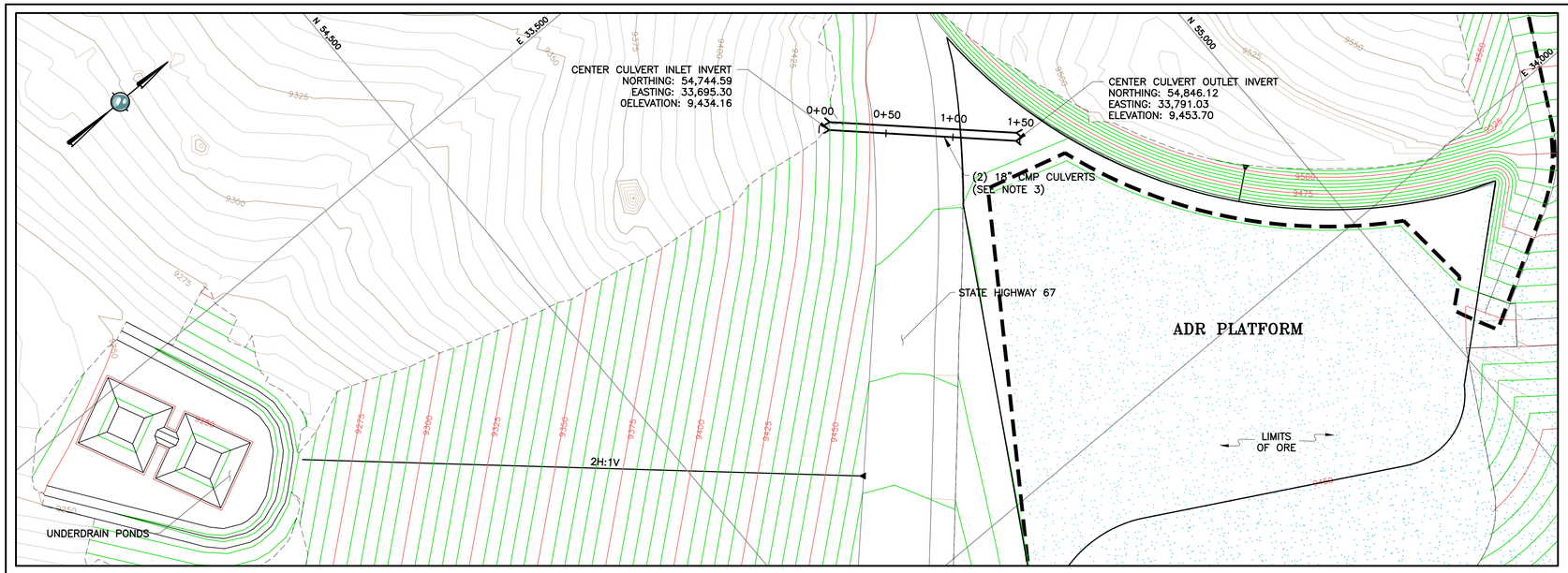



## LEGEND:

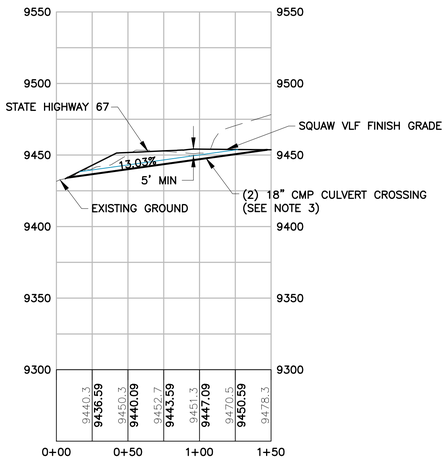
- EXISTING GROUND SURFACE CONTOUR AND EL, FEET (LAND SURVEY)
- PROPOSED GROUND SURFACE CONTOUR AND EL. FEET
- DAYLIGHT LINE
- EXISTING UNIMPROVED ROAD/TRAILS
- STATE HIGHWAY 67
- ULTIMATE LIMITS OF SQUAW GULCH GEOMEMBRANE
- CULVERT
- LIMITS OF ORE

## NOTES:

1. UNDERDRAIN POND HAS BEEN REVISED.
2. PSSA EMBANKMENT HAS BEEN WIDENED BY 2'.
3. PIPE IN TRENCH DETAIL SEE CDOT M & S STANDARDS JULY 2012 M-603-1 AND M-206-1.

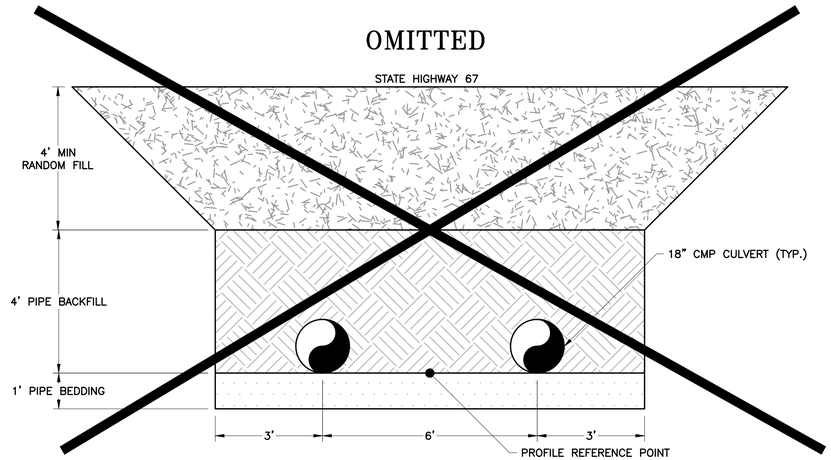
REFERENCE:

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)




VERTICAL EXAGGERATION = 1X

OMITTED




11 / A265 TYPICAL PIPE IN TRENCH DETAIL (SEE NOTE 3)

NTS

ISSUED FOR RECORD OF CONSTRUCTION

| | | | |
|---|---|---|---|
| 2 | 02/13/14 | REVISED ADR PLATFORM - RE-ISSUED FOR CONSTRUCTION | MN / CAS |
| 1 | 08/15/13 | REVISED SECTION 11 - RE-ISSUED FOR CONSTRUCTION | MN / CAS |
| 0 | 01/07/13 | ISSUED FOR CONSTRUCTION | JNM / CMT |


DISCLAIMER

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CLIENT: CRIPPLE CREEK & VICTOR GOLD MINING COMPANY

PROJECT: SQUAW GULCH VLF

TITLE: UNDERDRAIN PUMPBACK PIPE STATE HIGHWAY 67 CROSSING SECTIONS AND DETAILS

| | | | |
|---|---|---|---|
| DESIGNED BY | JNM | CHECKED BY | JNM |
| DRAWN BY | CMT | APPROVED BY | KFM |

FILENAME: 1125GD97 | DRAWING No.: A265 | REV: 2

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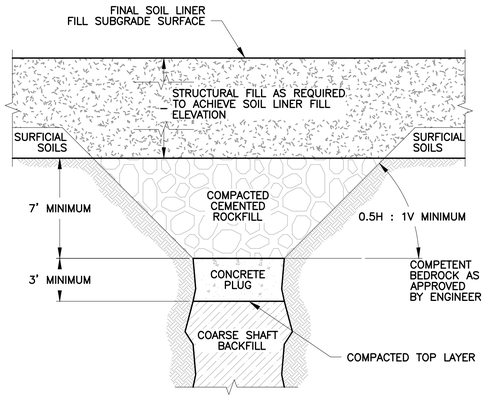
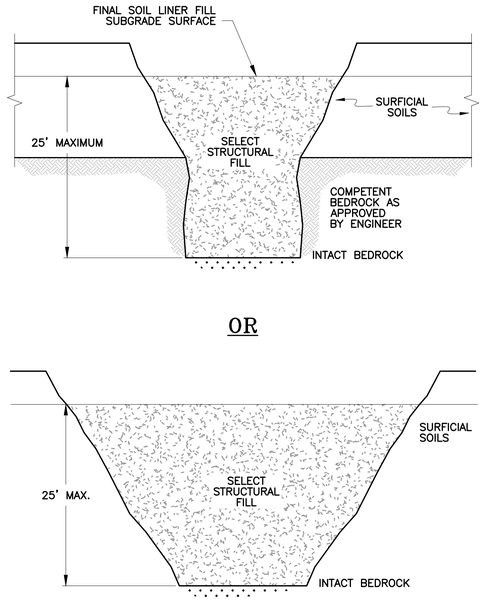



## REMEDIATION NOTES:

1. ROCK SURFACE WITHIN SHAFT SHALL BE SCALED TO REMOVE LOOSE MATERIAL PRIOR TO CONCRETE PLUG AND CEMENTED ROCKFILL PLACEMENT.
2. CONTRACTOR TO CONSTRUCT 7' MINIMUM CEMENTED ROCKFILL IN EITHER COMPETENT BEDROCK OR SURFICIAL SOILS.
3. CONTRACTOR TO EXCAVATE PREVIOUSLY COLLAPSED SHAFTS/STOPES TO APPROXIMATELY 25' BELOW FINAL SOIL LINE FILL SUBGRADE SURFACE.
4. COMPACTION OF TOP LAYER OF COARSE SHAFT BACKFILL TO BE METHOD SPECIFICATION APPROVED BY THE ENGINEER.

12 — SHAFT/STOPE REMEDIATION DETAIL

NTS

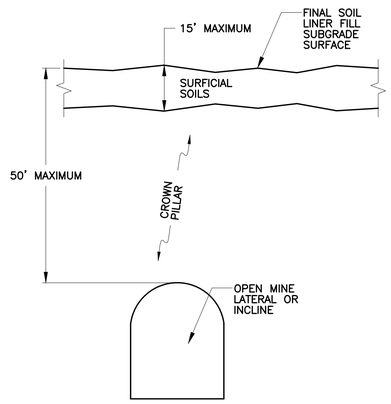



## REMEDIATION NOTES:

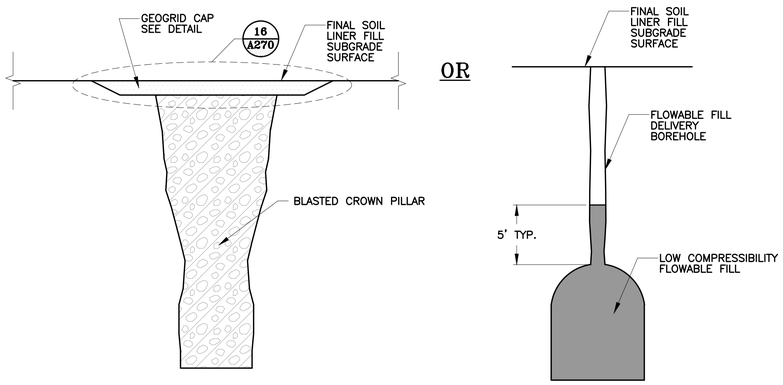
1. COMPACT SELECT STRUCTURAL FILL USING METHOD SPECIFICATION APPROVED BY THE ENGINEER.
2. SELECT STRUCTURAL FILL MAY BE REPLACED WITH STRUCTURAL FILL PER THE PROJECT SPECIFICATIONS.

13 — SHALLOW SHAFT REMEDIATION DETAIL

NTS



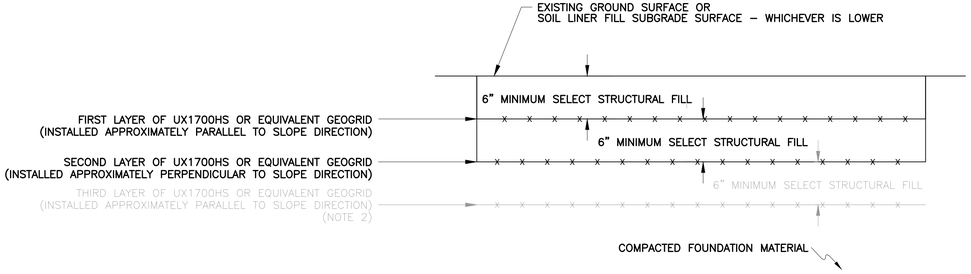

PRIOR TO REMEDIATION




POST REMEDIATION CONFIGURATION

14 — OPEN LATERAL REMEDIATION DETAIL

NTS

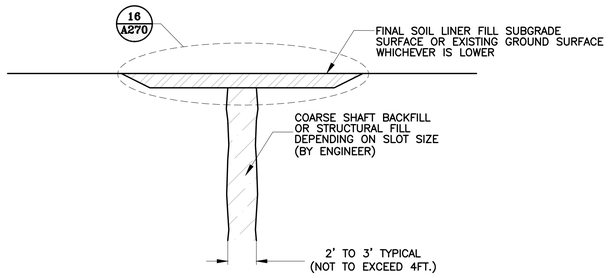



## REMEDIATION NOTES:

1. CONTRACTOR TO INSTALL DIRECTION OF MAXIMUM STRENGTH FOR THE SECOND LAYER OF UX1700HS OR EQUIVALENT HS GEOGRID TRANSVERSE TO THE DIRECTION OF MAXIMUM STRENGTH FOR THE FIRST LAYER OF UX1700HS GEOGRID.
2. A THIRD GEOGRID LAYER MAY BE ADDED IN AREAS UNDER HIGH NORMAL LOAD. AREAS REQUIRING THIRD GEOGRID WILL BE DETERMINED DURING REMEDIATION.
3. GEOGRID CAP TO EXTEND MINIMUM 15 FEET BEYOND MINE WORKING LIMIT.

16 / A270 — GEOGRID CAP INSTALLATION DETAIL (TYP.)

NTS




15 — OPEN MINED SLOT REMEDIATION DETAIL

NTS

ISSUED FOR RECORD OF CONSTRUCTION

CLIENT: CRIPPLE CREEK & VICTOR GOLD MINING COMPANY

PROJECT: SQUAW GULCH VLF

TITLE: UNDERGROUND WORKING REMEDIATION TYPICAL DETAILS

| | | | | |
|---|---|---|---|---|
| 0 | 01/07/13 | ISSUED FOR CONSTRUCTION | JNM | CMT |

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amec

| | | | |
|---|---|---|---|
| DESIGNED BY | JNM | CHECKED BY | JNM |
| DRAWN BY | DS | APPROVED BY | KFM |

| FILENAME | DRAWING No. | REV |
|---|---|---|
| 1125GD28 | A270 | 0 |

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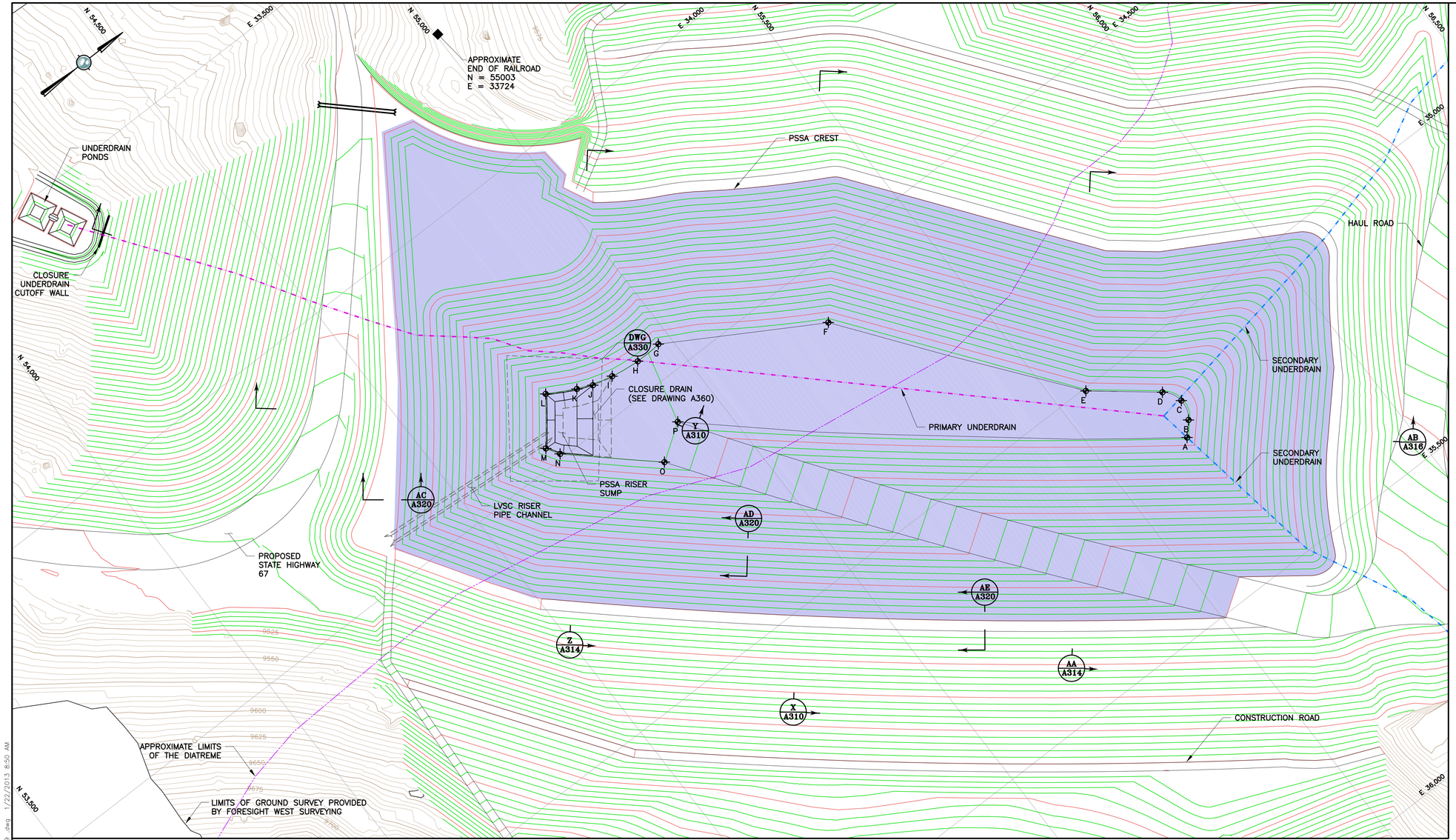


| PSSA SETTING OUT DATA | | | |
|---|---|---|---|
| POINT | NORTHING | EASTING | ELEVATION |
| A | 55,655.78 | 35,191.36 | 9344.00 |
| B | 55,678.13 | 35,166.78 | 9344.00 |
| C | 55,689.82 | 35,129.64 | 9344.00 |
| D | 55,671.33 | 35,095.37 | 9344.00 |
| E | 55,558.56 | 35,004.94 | 9344.00 |
| F | 55,253.30 | 34,605.17 | 9342.00 |
| G | 54,974.71 | 34,441.08 | 9340.00 |
| H | 54,924.14 | 34,442.81 | 9340.00 |
| I | 54,868.89 | 34,435.59 | 9340.00 |
| J | 54,829.54 | 34,426.71 | 9340.00 |
| K | 54,801.31 | 34,413.88 | 9340.00 |
| L | 54,749.09 | 34,385.13 | 9340.00 |
| M | 54,686.35 | 34,466.69 | 9340.00 |
| N | 54,701.28 | 34,491.29 | 9340.00 |
| O | 54,847.43 | 34,624.18 | 9340.00 |
| P | 54,913.82 | 34,579.44 | 9340.00 |

## LEGEND:

- 5000 — EXISTING GROUND SURFACE CONTOUR AND EL, FEET (AERIAL SURVEY)
- 5000 — PROPOSED GROUND SURFACE CONTOUR AND EL, FEET
- 5000 — EXISTING GROUND SURFACE CONTOUR AND EL, FEET (LAND SURVEY)
- PSSA GEOMEMBRANE LIMITS (SEE NOTE 1)
- PRIMARY UNDERDRAIN PIPE
- SECONDARY UNDERDRAIN PIPE
- EXISTING UNIMPROVED ROAD/TRAILS
- EXISTING FENCE
- DAYLIGHT LINE
- APPROXIMATE LIMITS OF DIATREME
- EXISTING RAILROAD

100 0 100 200 FEET

## NOTES:

1. THE GEOMEMBRANE LINERS ON THE PSSA EMBANKMENT ARE AS FOLLOWS:
   100 mil SMOOTH LLDPE ON TOP
   100 mil SINGLE SIDED TEXTURED LLDPE ON BOTTOM
2. UNDERDRAIN PUMPBACK PIPES WILL BE PLACED IN 18–INCH DIAMETER HDPE CULVERTS EXTENDING UNDER THE RE–ALIGNED STATE HIGHWAY 67.
3. UNDERDRAIN POND HAS BEEN REVISED.
4. PSSA EMBANKMENT HAS BEEN WIDENED BY 2'.

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)

| | | | |
|---|---|---|---|
| 3 | 06/04/14 | REVISED SPOT ELEV. "J" RE–ISSUED FOR CONSTRUCTION | MEN / PBS |
| 2 | 02/13/14 | REVISED ADR PLATFORM RE–ISSUED FOR CONSTRUCTION | MEN / CAS |
| 1 | 06/11/13 | REVISED CLOSURE DRAIN RE–ISSUED FOR CONSTRUCTION | MEN / CAS |
| 0 | 01/07/13 | ISSUED FOR CONSTRUCTION | JNM / CMT |

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ISSUED FOR RECORD OF CONSTRUCTION

CLIENT: CRIPPLE CREEK & VICTOR GOLD MINING COMPANY

PROJECT: SQUAW GULCH VLF

TITLE: PSSA LAYOUT

| | | | |
|---|---|---|---|
| DESIGNED BY | JNM | CHECKED BY | MEN |
| DRAWN BY | DS | APPROVED BY | CJB |

FILENAME: 1125GM29 | DRAWING No. A300 | REV 3

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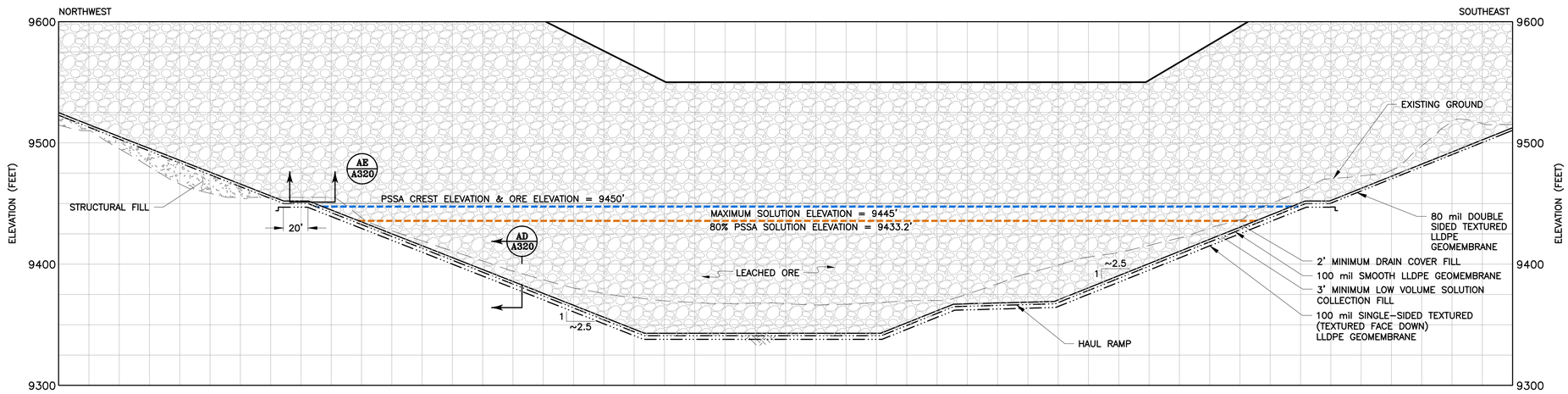
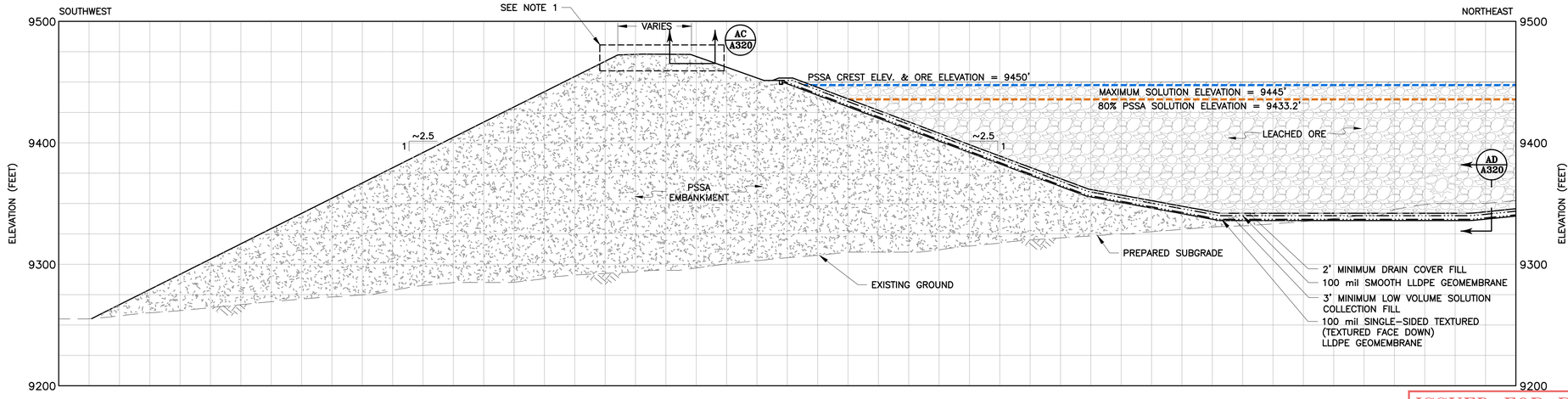



X / A300 TYPICAL PSSA VALLEY SECTION

50 0 50 100 FEET
VERTICAL SCALE

50 0 50 100 FEET
HORIZONTAL SCALE




Y / A300 PSSA EMBANKMENT

50 0 50 100 FEET
VERTICAL SCALE

50 0 50 100 FEET
HORIZONTAL SCALE

NOTE:

1. TOP 2 FEET OF EMBANKMENT FILL SHALL HAVE A RESISTANCE (R) VALUE OF 40. SEE STATE HIGHWAY 67 RELOCATION DRAWINGS.

ISSUED FOR RECORD OF CONSTRUCTION

| | | | |
|---|---|---|---|
| CLIENT | CRIPPLE CREEK & VICTOR GOLD MINING COMPANY | | |
| PROJECT | SQUAW GULCH VLF | | |
| TITLE | PSSA SECTIONS AND DETAILS SHEET 1 OF 4 | | |

| | | | |
|---|---|---|---|
| 1 | 02/13/14 | REVISED LINER LIMITS/RE-ISSUED FOR CONSTRUCTION | MEN / PBS |
| 0 | 01/07/13 | ISSUED FOR CONSTRUCTION | JNM / CMT |

DISCLAIMER

AMEC PRODUCED THE INFORMATION PRESENTED ON THIS DRAWING THROUGH THE USE OF TECHNICAL INFORMATION AND PRACTICAL EXPERIENCE SPECIFIC TO ITS EFFORTS. RECEIVING THIS DRAWING DOES NOT GUARANTEE ANY RIGHTS TO SUCH TECHNICAL INFORMATION AND PRACTICAL EXPERIENCE. ANY ALTERATION OR ADAPTATION OF THE DATA OR CONTENTS OF THIS DRAWING SHALL BE AT USER'S SOLE RISK AND WITHOUT ANY LIABILITY OR LEGAL RESPONSIBILITY TO AMEC.

| | | | |
|---|---|---|---|
| DESIGNED BY | JNM | CHECKED BY | JNM |
| DRAWN BY | DS | APPROVED BY | KFM |
| FILENAME | 1125GD30 | DRAWING No. | A310 |
| REV | 1 | | |

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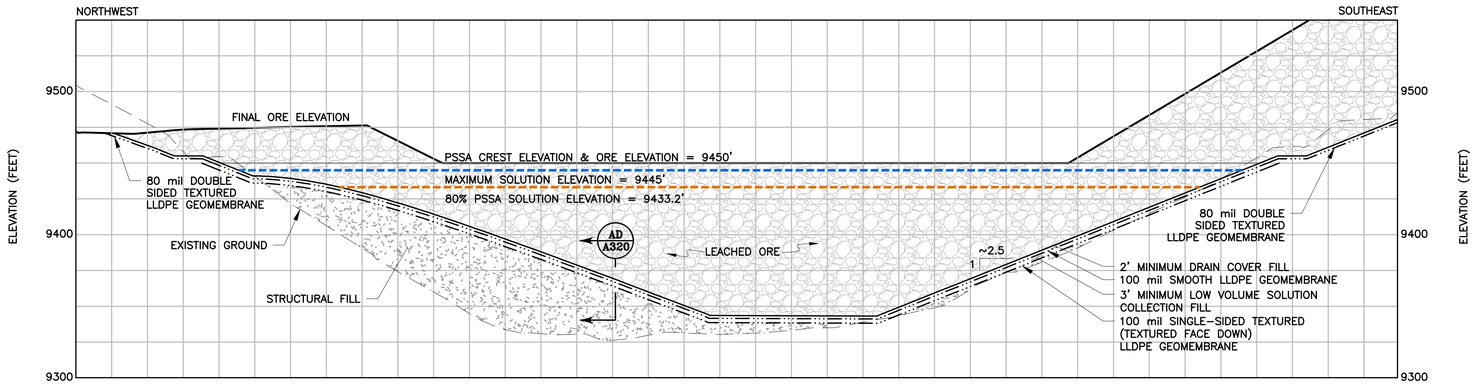
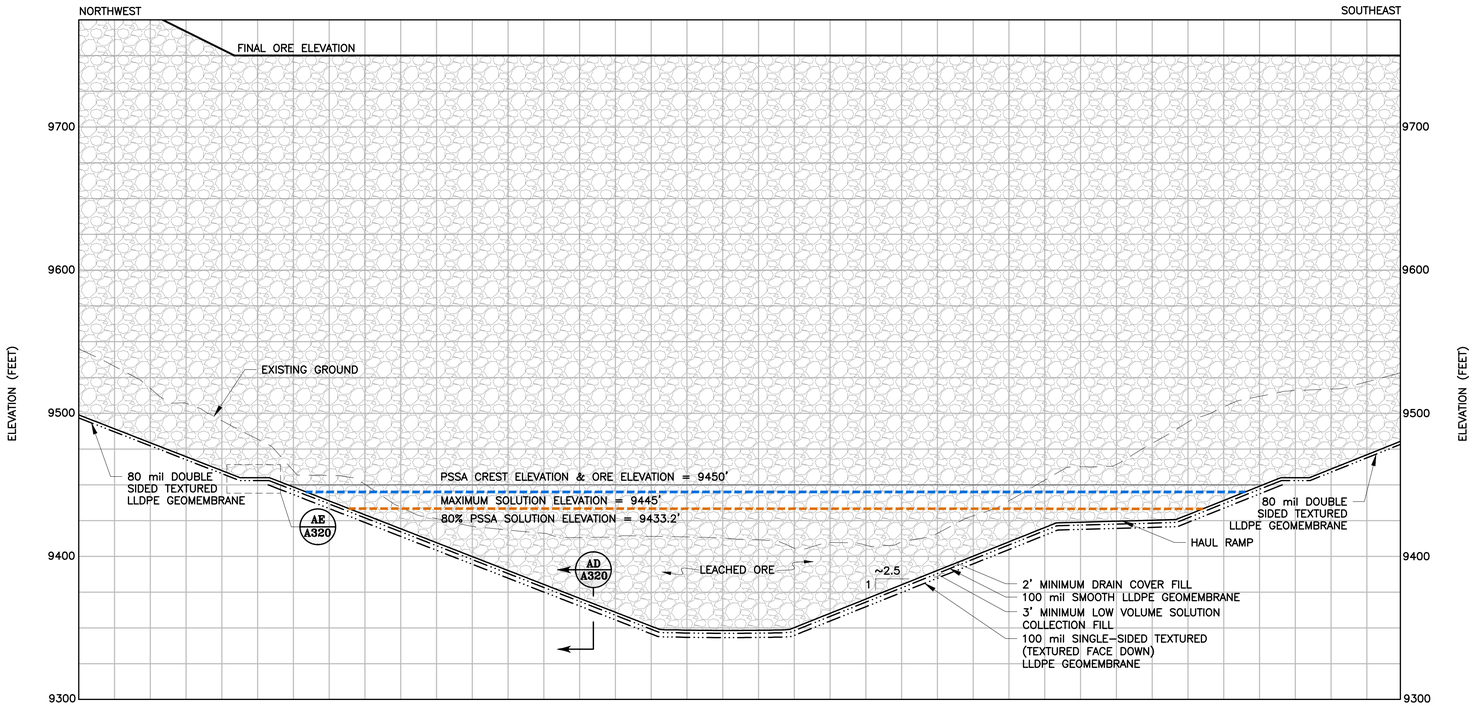



Z / A300 TYPICAL PSSA VALLEY SECTION

50 0 50 100 FEET
VERTICAL SCALE

50 0 50 100 FEET
HORIZONTAL SCALE




AA / A300 TYPICAL PSSA VALLEY SECTION

50 0 50 100 FEET
VERTICAL SCALE

50 0 50 100 FEET
HORIZONTAL SCALE

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)

ISSUED FOR RECORD OF CONSTRUCTION

| | |
|---|---|
| CLIENT | CRIPPLE CREEK & VICTOR GOLD MINING COMPANY |
| PROJECT | SQUAW GULCH VLF |
| TITLE | PSSA SECTIONS AND DETAILS SHEET 2 OF 4 |

| | | | |
|---|---|---|---|
| 0 | 01/07/13 | ISSUED FOR CONSTRUCTION | JNM / CMT |

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| | | | |
|---|---|---|---|
| DESIGNED BY | JNM | CHECKED BY | JNM |
| DRAWN BY | ACW | APPROVED BY | KFM |
| FILENAME | 1125GD88 | DRAWING No. | A314 |
| | | REV | 0 |

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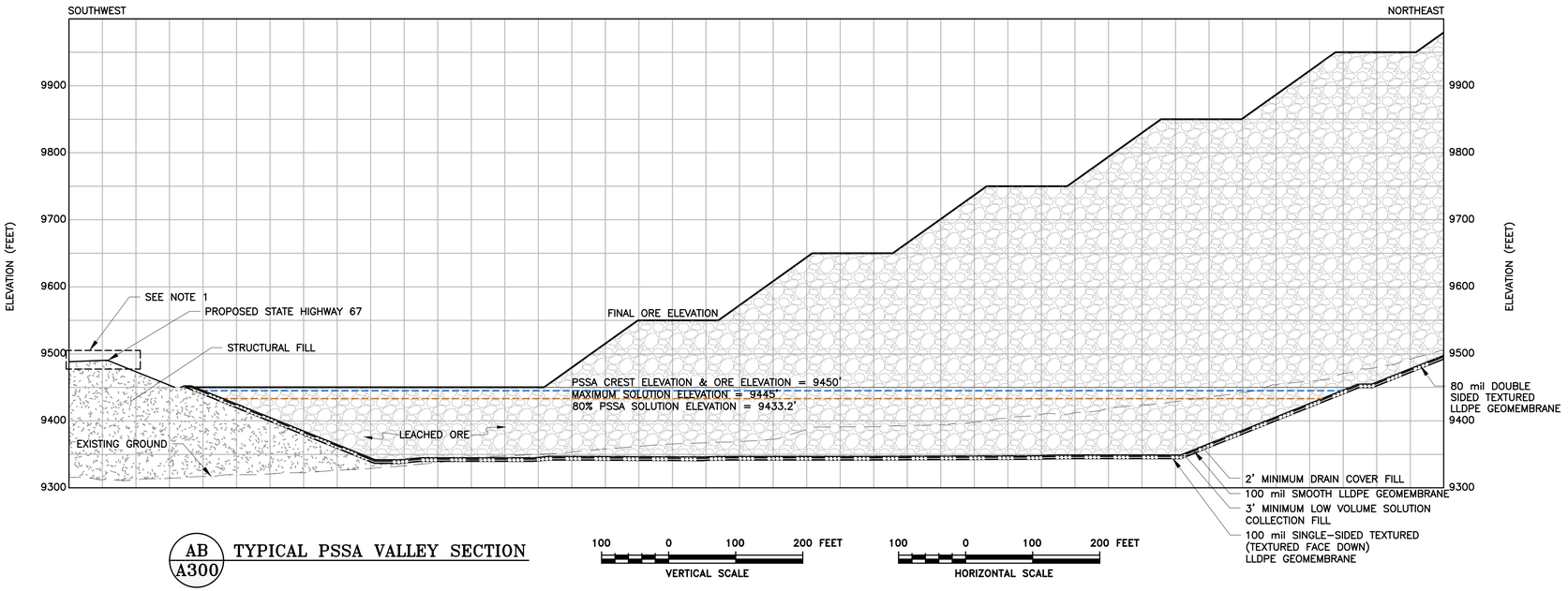


AB / A300 TYPICAL PSSA VALLEY SECTION

100 0 100 200 FEET
VERTICAL SCALE

100 0 100 200 FEET
HORIZONTAL SCALE

NOTE:

1. TOP 2 FEET OF EMBANKMENT FILL SHALL HAVE A RESISTANCE (R) VALUE OF 40. SEE STATE HIGHWAY 67 RELOCATION DRAWINGS.

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)

| | | | |
|---|---|---|---|
| 1 | 02/13/14 | REVISED LINER LIMITS/RE-ISSUED FOR CONSTRUCTION | MEN / PBS |
| 0 | 01/07/13 | ISSUED FOR CONSTRUCTION | JNM / CMT |

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ISSUED FOR RECORD OF CONSTRUCTION

CLIENT: CRIPPLE CREEK & VICTOR GOLD MINING COMPANY

PROJECT: SQUAW GULCH VLF

TITLE: PSSA SECTIONS AND DETAILS SHEET 3 OF 4

| | | | |
|---|---|---|---|
| DESIGNED BY | JNM | CHECKED BY | JNM |
| DRAWN BY | ACW | APPROVED BY | KFM |

FILENAME: 1125GD89 | DRAWING No.: A316 | REV: 1

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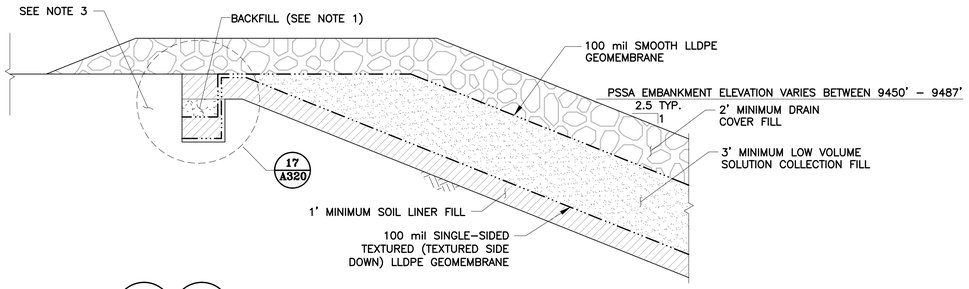
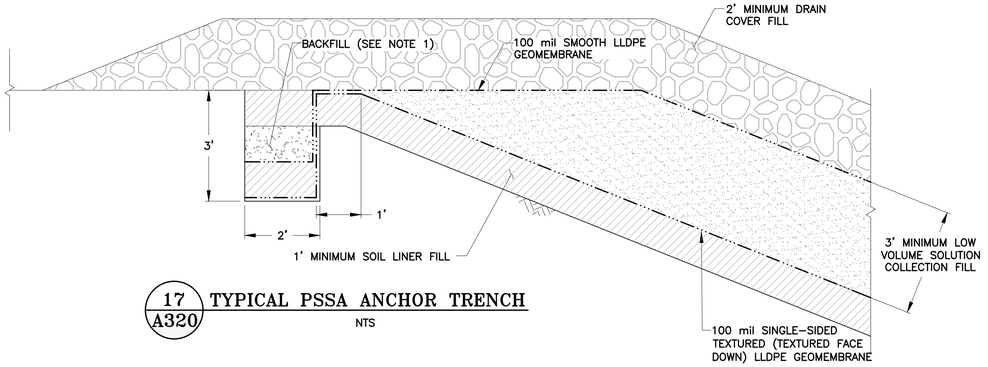


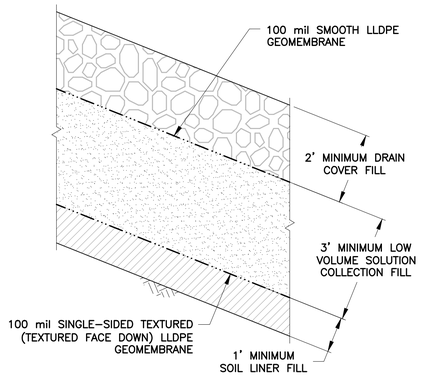

AC A300 AC A310 CREST OF PSSA ON EMBANKMENT

NTS



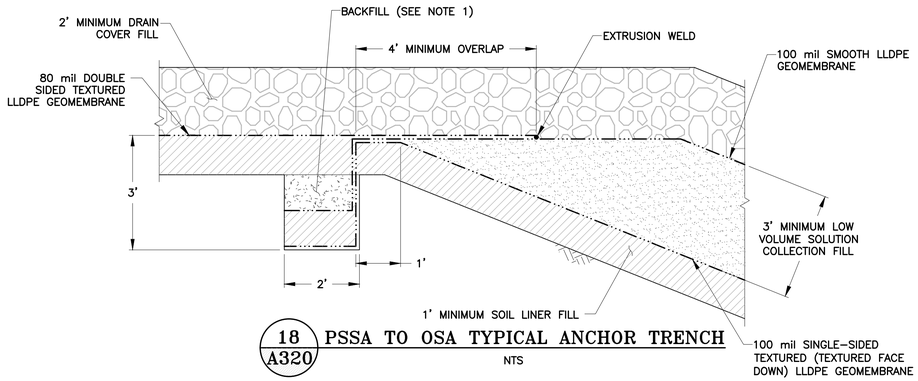

17 A320 TYPICAL PSSA ANCHOR TRENCH

NTS



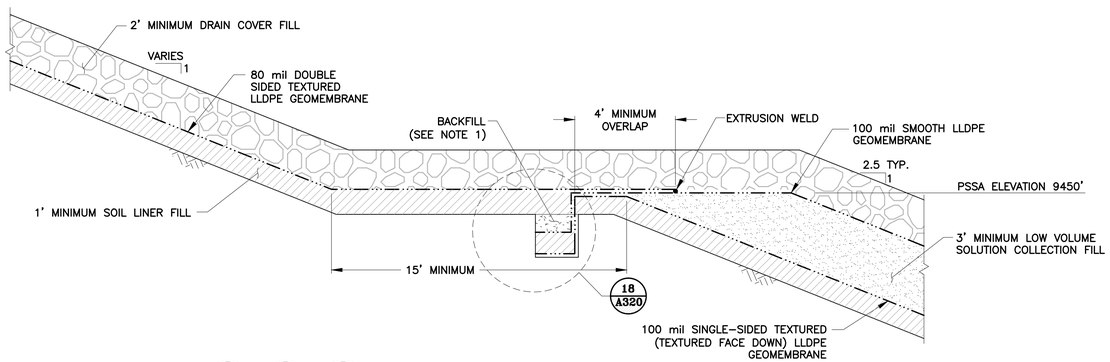

AD A300 AD A310 AD A314 PSSA LINER TYPICAL SECTION

NTS




18 A320 PSSA TO OSA TYPICAL ANCHOR TRENCH

NTS




AE A300 AE A310 AE A314 PSSA TO OSA TYPICAL LINER TRANSITION

NTS

## NOTES:

1. COMPACTED SOIL LINER FILL OR OTHER FILL APPROVED BY THE MANAGER TO BACKFILL ANCHOR TRENCH. ANCHOR TRENCHES INTERNAL TO THE VLF WILL BE BACKFILLED WITH SOIL LINER FILL FOR THE UPPER 1FT (MIN.).
2. REFER TO PROJECT SPECIFICATIONS REGARDING MINIMUM DRAIN COVER FILL DEPTHS FOR WORKING OVER GEOSYNTHETICS AND PIPING WITH RUBBER TIRE OR TRACK MOUNTED EQUIPMENT.
3. TOP 2 FEET OF EMBANKMENT FILL SHALL HAVE A RESISTANCE (R) VALUE OF 40. SEE STATE HIGHWAY 67 RELOCATION DRAWINGS.

ISSUED FOR RECORD OF CONSTRUCTION

| | | | |
|---|---|---|---|
| 1 | 02/13/14 | REVISED LINER LIMITS/RE–ISSUED FOR CONSTRUCTION | MEN / PBS |
| 0 | 01/07/13 | ISSUED FOR CONSTRUCTION | JNM / CMT |

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| | |
|---|---|
| CLIENT | CRIPPLE CREEK & VICTOR GOLD MINING COMPANY |
| PROJECT | SQUAW GULCH VLF |
| TITLE | PSSA SECTIONS AND DETAILS SHEET 4 OF 4 |

| | | | |
|---|---|---|---|
| DESIGNED BY | JNM | CHECKED BY | JNM |
| DRAWN BY | DS | APPROVED BY | KFM |

| FILENAME | DRAWING No. | REV |
|---|---|---|
| 1125GD36 | A320 | 1 |

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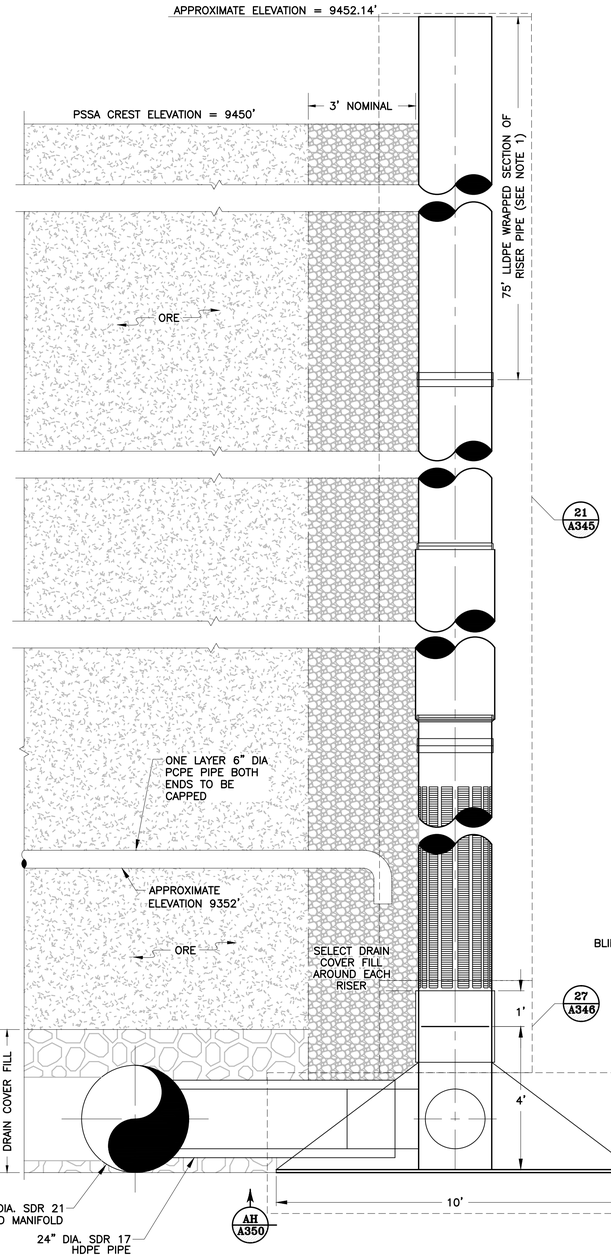
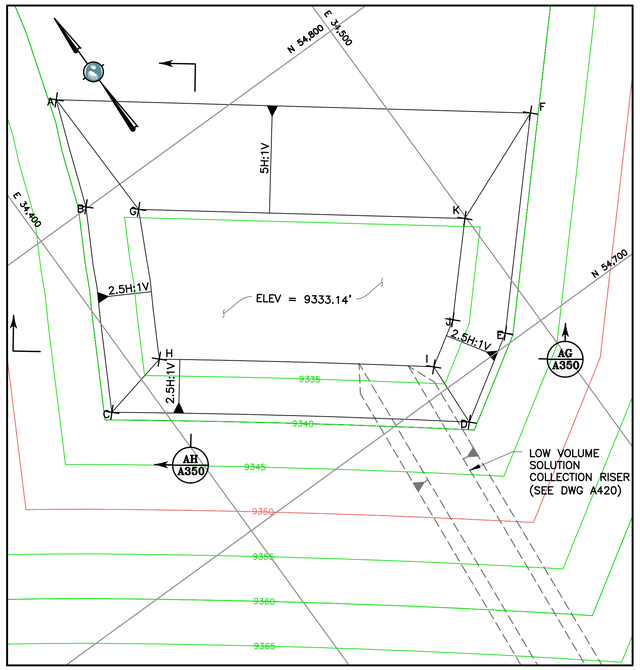


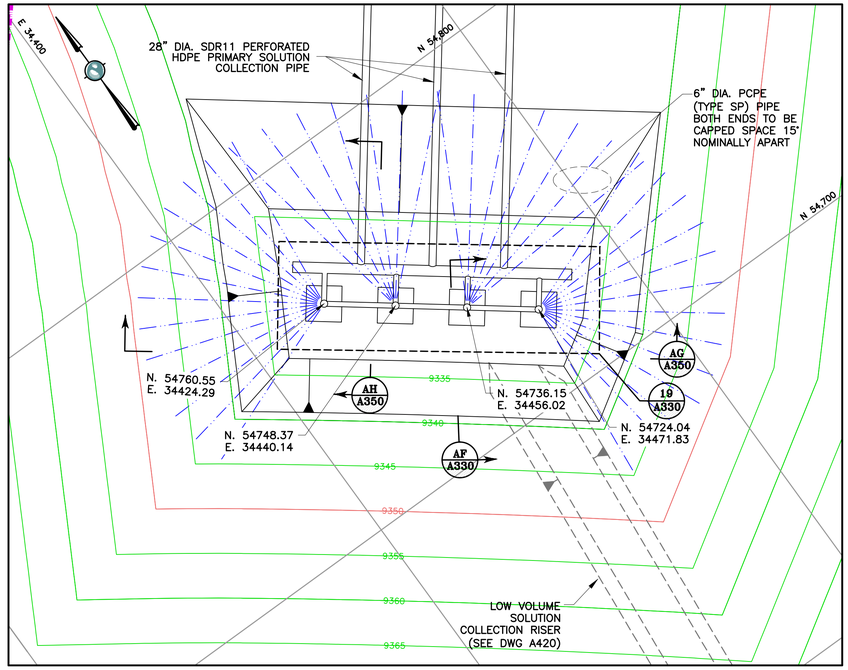

AF A330 HIGH VOLUME SOLUTION COLLECTION SYSTEM RISER

2 0 2 4 FEET




PSSA RISER SUMP

20 0 20 40 FEET



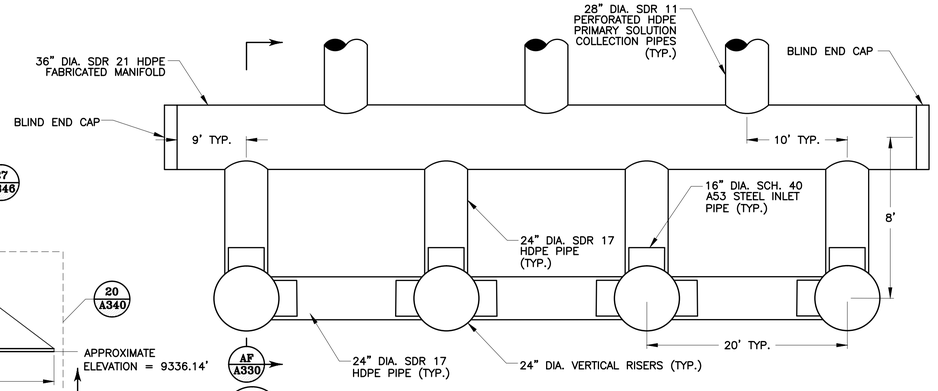

SQUAW GULCH VLF PUMP RISER LAYOUT

20 0 20 40 FEET

LEGEND:

9000 PROPOSED GROUND SURFACE CONTOUR EL, FEET

6" DIA. PCPE (TYPE SP) PIPE




19 A330 HIGH VOLUME SOLUTION COLLECTION SYSTEM HEADER DETAIL

NTS

| SETTING OUT DATA | | | |
|---|---|---|---|
| Point | Northing | Easting | Elevation |
| A | 54,829.54 | 34,426.71 | 9339.14 |
| B | 54,800.41 | 34,415.84 | 9339.14 |
| C | 54,749.67 | 34,387.94 | 9339.14 |
| D | 54,688.74 | 34,467.14 | 9339.14 |
| E | 54,702.95 | 34,489.91 | 9339.14 |
| F | 54,748.62 | 34,531.77 | 9339.14 |
| G | 54,791.20 | 34,427.32 | 9333.14 |
| H | 54,753.91 | 34,407.39 | 9333.14 |
| I | 54,707.08 | 34,468.20 | 9333.14 |
| J | 54,714.59 | 34,480.23 | 9333.14 |
| K | 54,735.52 | 34,499.61 | 9333.14 |

NOTES:

1. WRAP RISER PIPE WITH 100 mil LLDPE SMOOTH GEOMEMBRANE TO REDUCE FRICTION BETWEEN PSSA FILL AND RISER PIPE.
2. COMPRESSION JOINTS TO BE IN FULL EXTENSION BEFORE BACKFILL.
3. WITH PRIOR APPROVAL FROM THE ENGINEER, ADDITIONAL PIPE SPLICES MAY BE ALLOWED. ALL PIPE SPLICES WILL REQUIRE COMPRESSION JOINTS AS SHOWN IN DETAIL 23 ON DRAWING A346.

| | | | |
|---|---|---|---|
| 4 | 9/18/14 | REVISED RISER PIPE AS-BUILT LOCATION RE-ISSUED FOR CONSTRUCTION | ALM / PBS |
| 3 | 09/02/14 | REVISED RISER PIPE LOCATION RE-ISSUED FOR CONSTRUCTION | ALM / PBS |
| 2 | 02/13/14 | REVISED GRADING AND SETTING OUT DATA RE-ISSUED FOR CONSTRUCTION | MEN / PBS |
| 1 | 06/11/13 | REVISED GRADING AND SETTING OUT DATA RE-ISSUED FOR CONSTRUCTION | MEN / CAS |
| 0 | 01/07/13 | ISSUED FOR CONSTRUCTION | JNM / CMT |

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CLIENT: CRIPPLE CREEK & VICTOR GOLD MINING COMPANY

PROJECT: SQUAW GULCH VLF

TITLE: PSSA RISER SECTIONS AND DETAILS SHEET 1 OF 5

| DESIGNED BY | JNM | CHECKED BY | MEN |
|---|---|---|---|
| DRAWN BY | DS | APPROVED BY | CJB |

FILENAME: 1125GD37 | DRAWING No.: A330 | REV: 4

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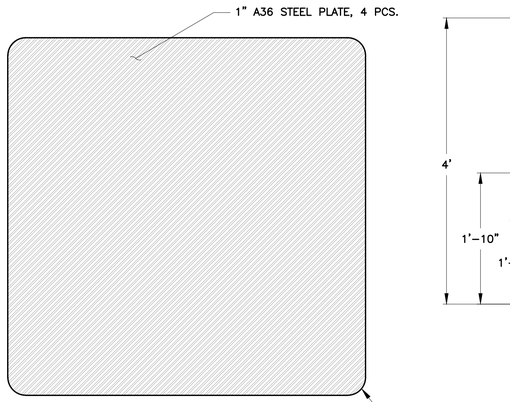
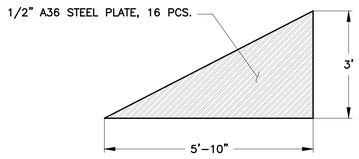
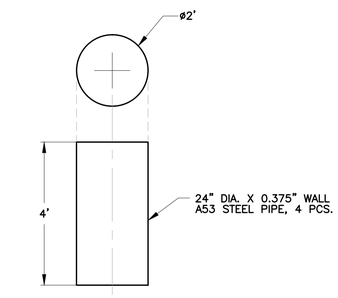


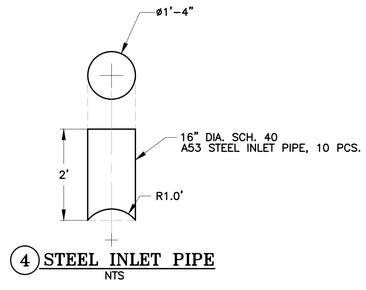

1 STEEL BASE PLATE
NTS



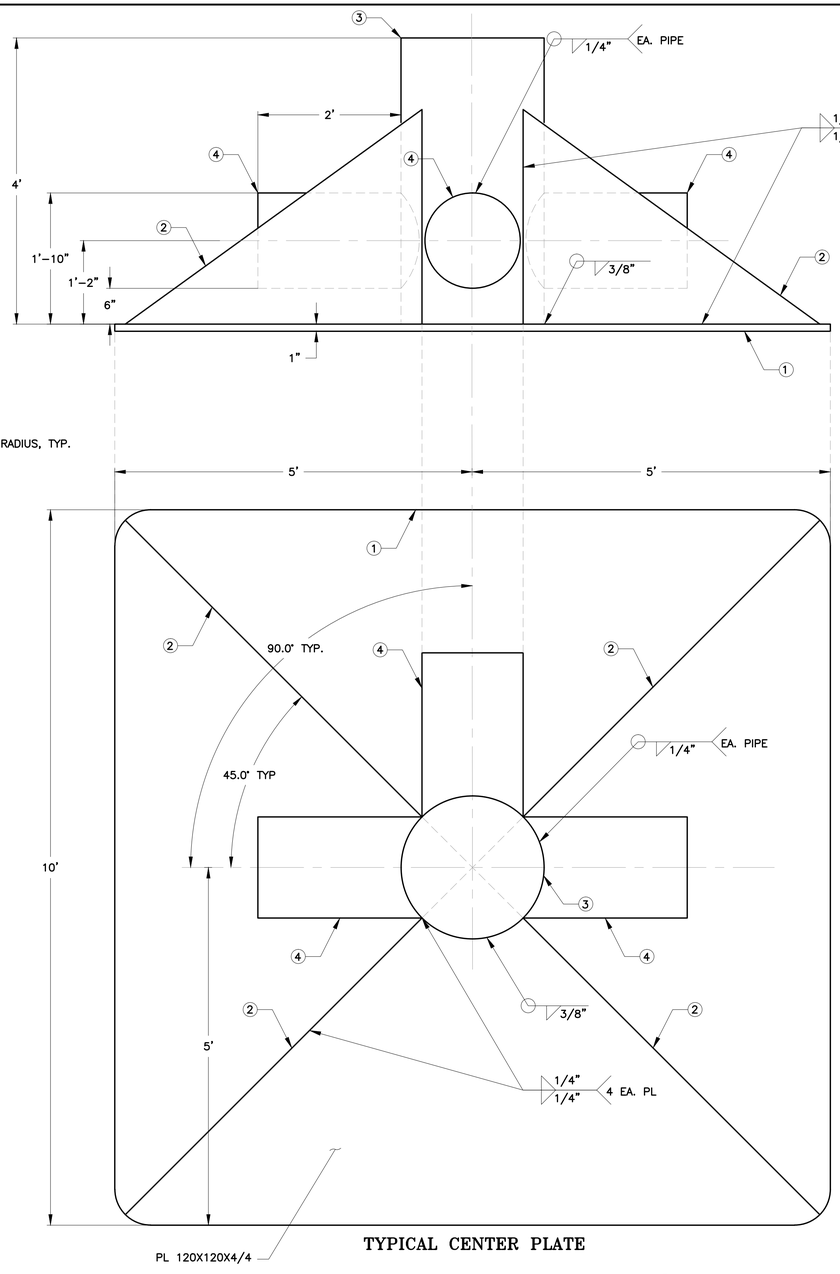

2 STEEL PLATE SUPPORTS
NTS



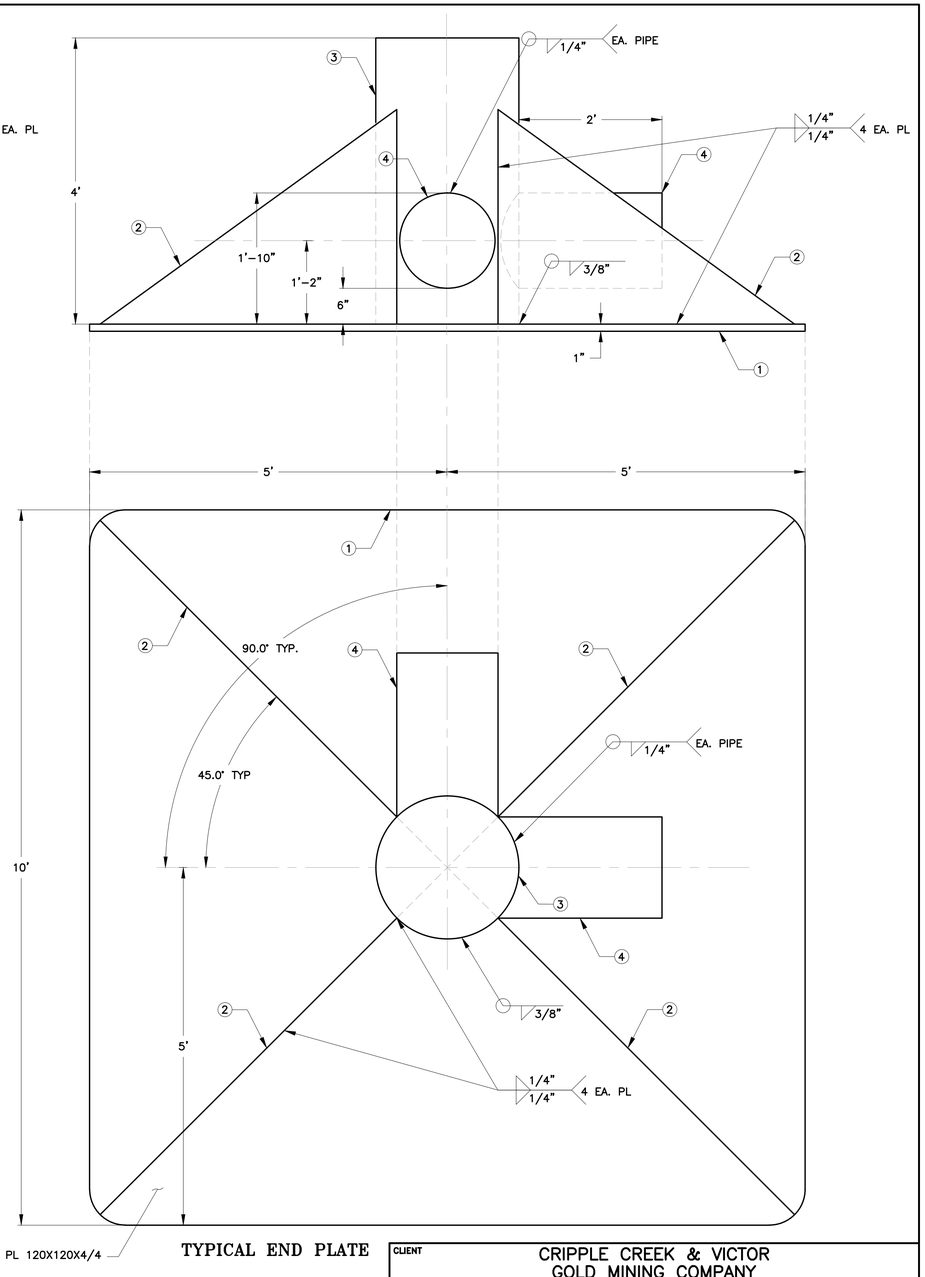

3 STEEL RISER PIPE
NTS




4 STEEL INLET PIPE
NTS




TYPICAL CENTER PLATE




TYPICAL END PLATE

20 / A330 HIGH VOLUME SOLUTION COLLECTION SYSTEM
VERTICAL RISER PIPE BASE PLATE ASSEMBLY

| | | | |
|---|---|---|---|
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| CLIENT | CRIPPLE CREEK & VICTOR GOLD MINING COMPANY |
| PROJECT | SQUAW GULCH VLF |
| TITLE | PSSA RISER SECTIONS AND DETAILS SHEET 2 OF 5 |

| | | | |
|---|---|---|---|
| DESIGNED BY | CMT | CHECKED BY | JNM |
| DRAWN BY | CMT | APPROVED BY | JNM |
| FILENAME | 1125GD107 | DRAWING No. | A340 |
| REV | 0 | | |

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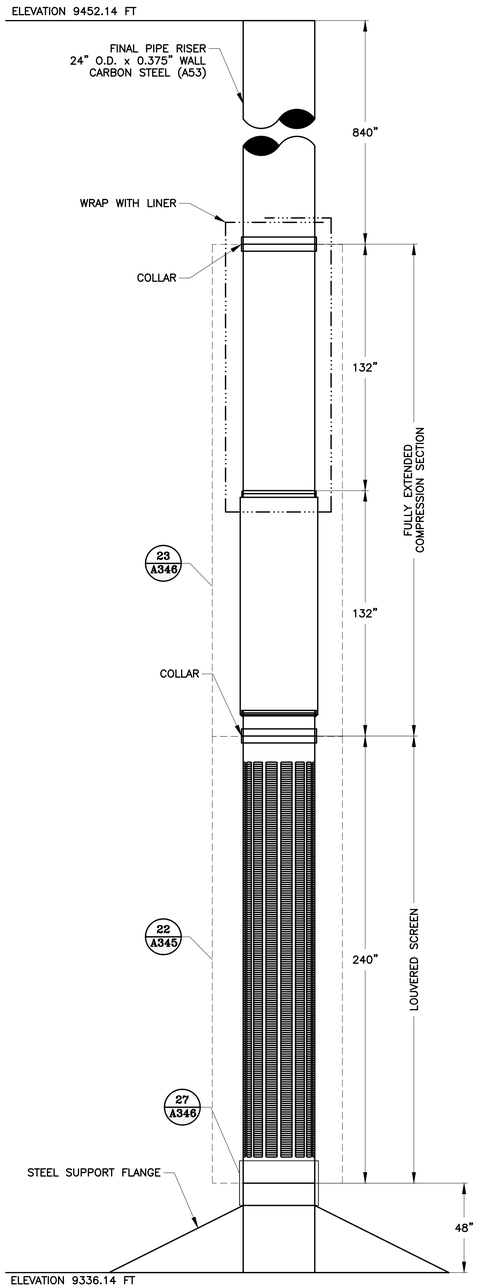
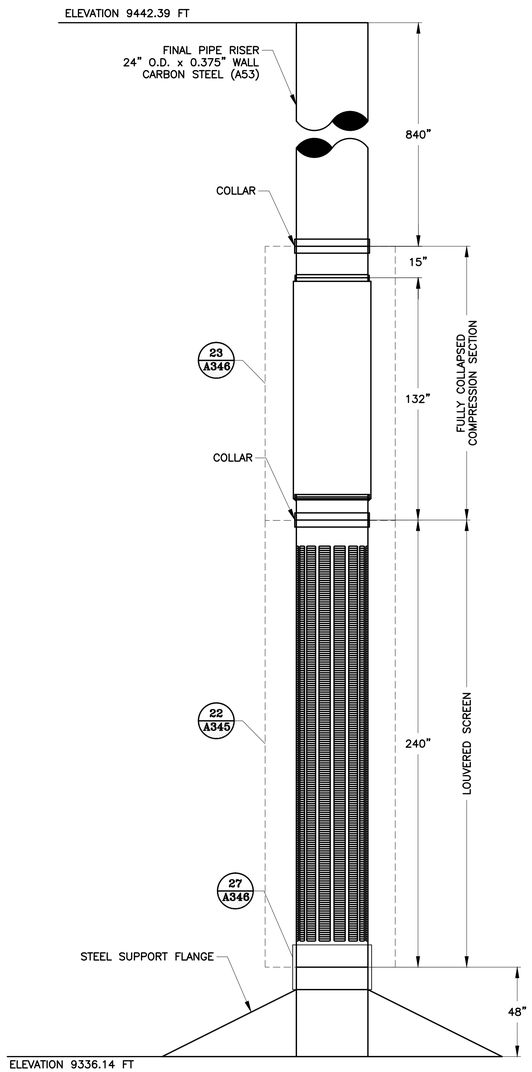



FULLY EXTENDED

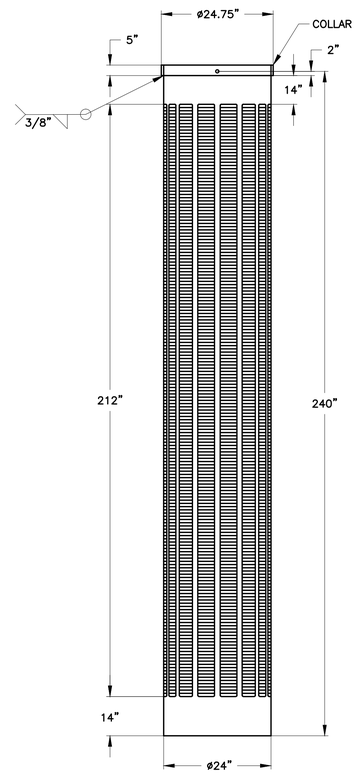



FULLY COMPRESSED

21 / A330 HIGH VOLUME SOLUTION COLLECTION SYSTEM VERTICAL RISER DETAIL

NTS

24" O.D. X 3/8" WALL 304 SS LOUVERED SCREEN
STANDARD PERF PATTERN, 0.250" SLOT WITH COLLAR.
BASE PIPE PER ASTM A778




22 / A345 LOUVERED SCREEN DETAIL

NTS

ISSUED FOR RECORD OF CONSTRUCTION

| | | | |
|---|---|---|---|
| 1 | 06/11/13 | REVISED ELEVATIONS<br>RE-ISSUED FOR CONSTRUCTION | MEN / CAS |
| 0 | 01/07/13 | ISSUED FOR CONSTRUCTION | JNM / CMT |

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CLIENT: CRIPPLE CREEK & VICTOR GOLD MINING COMPANY

PROJECT: SQUAW GULCH VLF

TITLE: PSSA RISER SECTIONS AND DETAILS
SHEET 3 OF 5

| | | | |
|---|---|---|---|
| DESIGNED BY | CMT | CHECKED BY | MEN |
| DRAWN BY | CMT | APPROVED BY | CJB |

FILENAME: 1125GD108 | DRAWING No.: A345 | REV: 1

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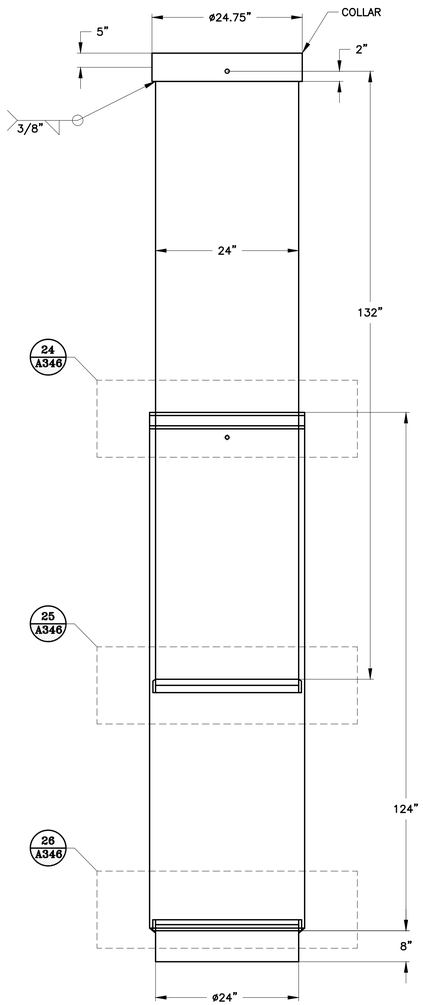
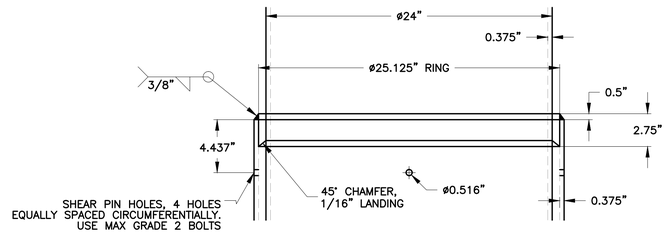
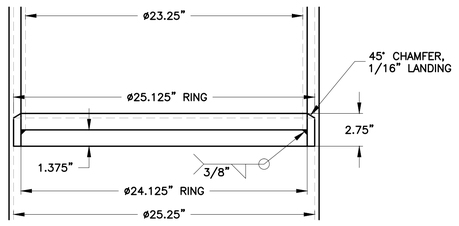
26" O.D. X 24" O.D. X 3/8" WALL LOW CARBON STEEL SINGLE STAGE COMPRESSION SECTION, 117" DISPLACEMENT WITH COLLAR. 264" FULLY EXTENDED, 147" COLLAPSED. BASE PIPE PER ASTM A139 GR-B



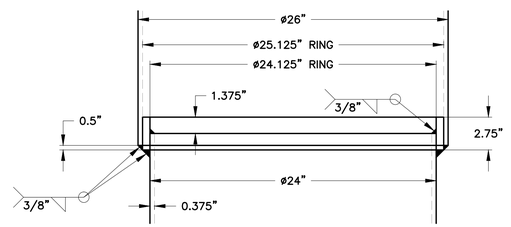

23 A345 SINGLE STAGE COMPRESSION SECTION DETAIL
NTS




24 A346 TOP FIXED RING DETAIL
NTS




25 A346 INTERNAL SLIDER RING DETAIL
NTS




26 A346 BOTTOM FIXED RING DETAIL
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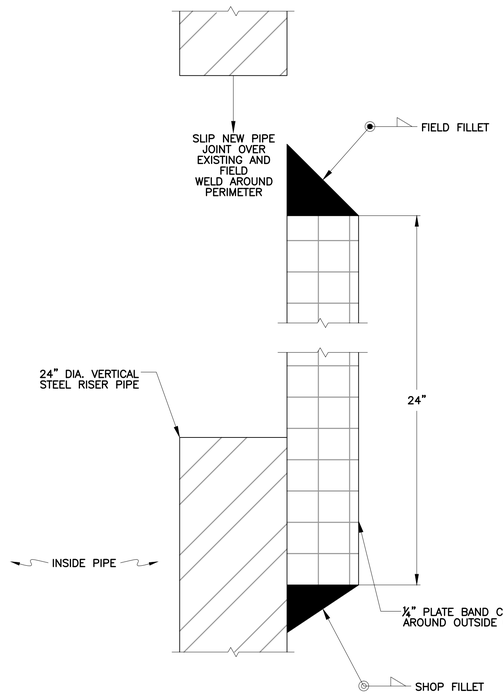


27 A330 / 27 A345 TYPICAL 24" VERTICAL RISER PIPE CONNECTION DETAIL
NTS

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CLIENT: CRIPPLE CREEK & VICTOR GOLD MINING COMPANY

PROJECT: SQUAW GULCH VLF

TITLE: PSSA RISER SECTIONS AND DETAILS SHEET 4 OF 5

| | | | |
|---|---|---|---|
| DESIGNED BY | JNM | CHECKED BY | JNM |
| DRAWN BY | DS | APPROVED BY | KFM |

FILENAME: 1125GD38 | DRAWING No.: A346 | REV: 0

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|---|---|---|---|
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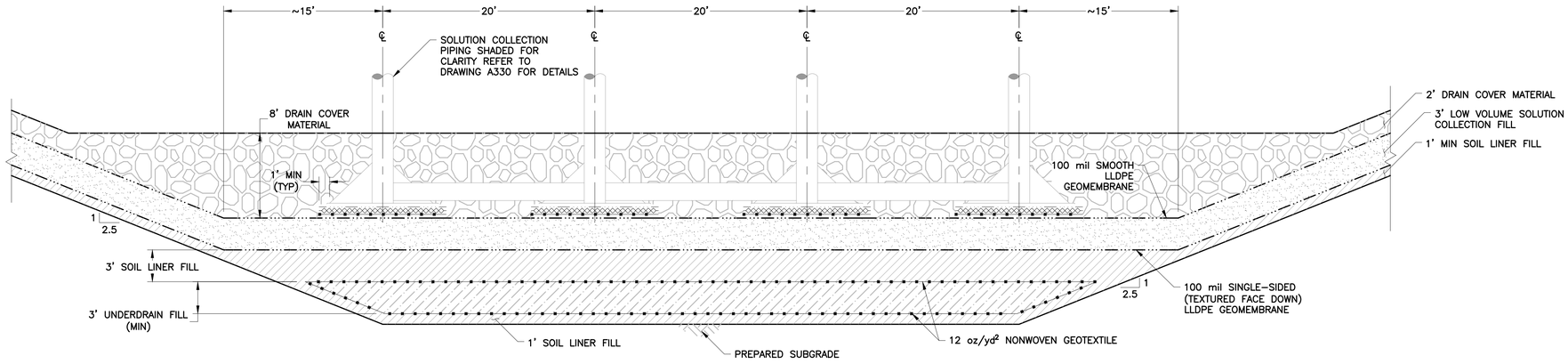
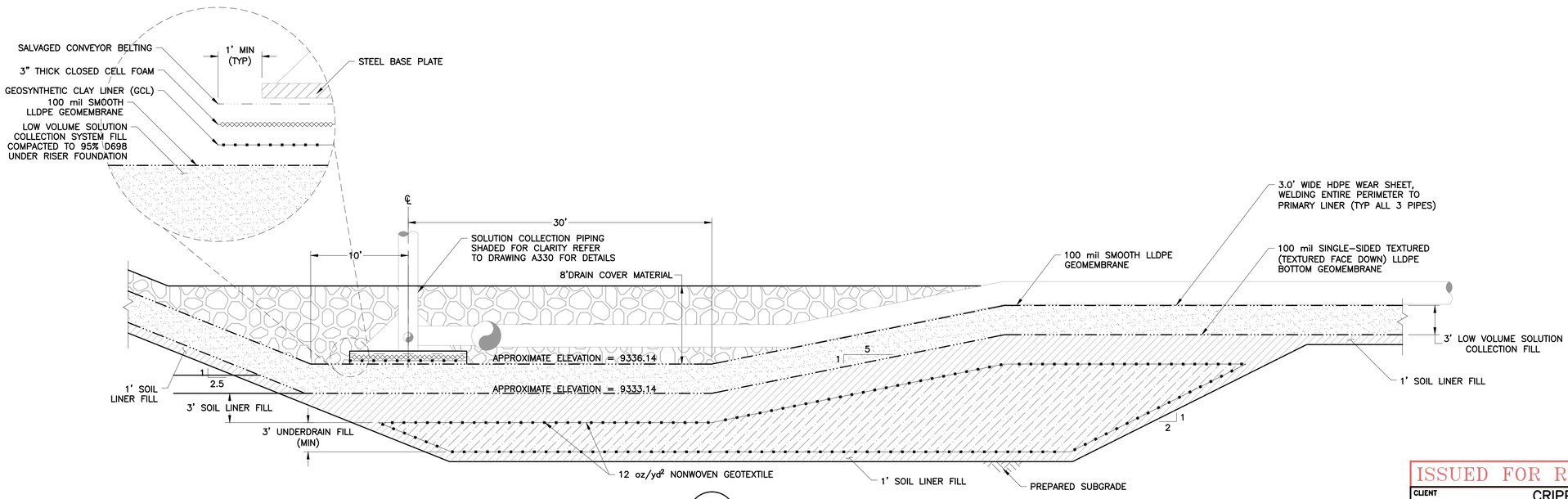



AG / A330 NORTHWEST-SOUTHEAST SECTION

NTS




AH / A330 NORTHEAST-SOUTHWEST SECTION

NTS

ISSUED FOR RECORD OF CONSTRUCTION

CLIENT: CRIPPLE CREEK & VICTOR GOLD MINING COMPANY

PROJECT: SQUAW GULCH VLF

TITLE: PSSA RISER SECTIONS AND DETAILS SHEET 5 OF 5

| | | | |
|---|---|---|---|
| 2 | 09/02/14 | REVISED DETAIL AH RE-ISSUED FOR CONSTRUCTION | ALM / PBS |
| 1 | 06/11/13 | REVISED SECTIONS RE-ISSUED FOR CONSTRUCTION | MEN / CAS |
| 0 | 01/07/13 | ISSUED FOR CONSTRUCTION | JNM / CMT |

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| | | | |
|---|---|---|---|
| DESIGNED BY | JNM | CHECKED BY | MEN |
| DRAWN BY | DS | APPROVED BY | CJB |
| FILENAME: 1125GD39 | | DRAWING No.: A350 | REV: 2 |

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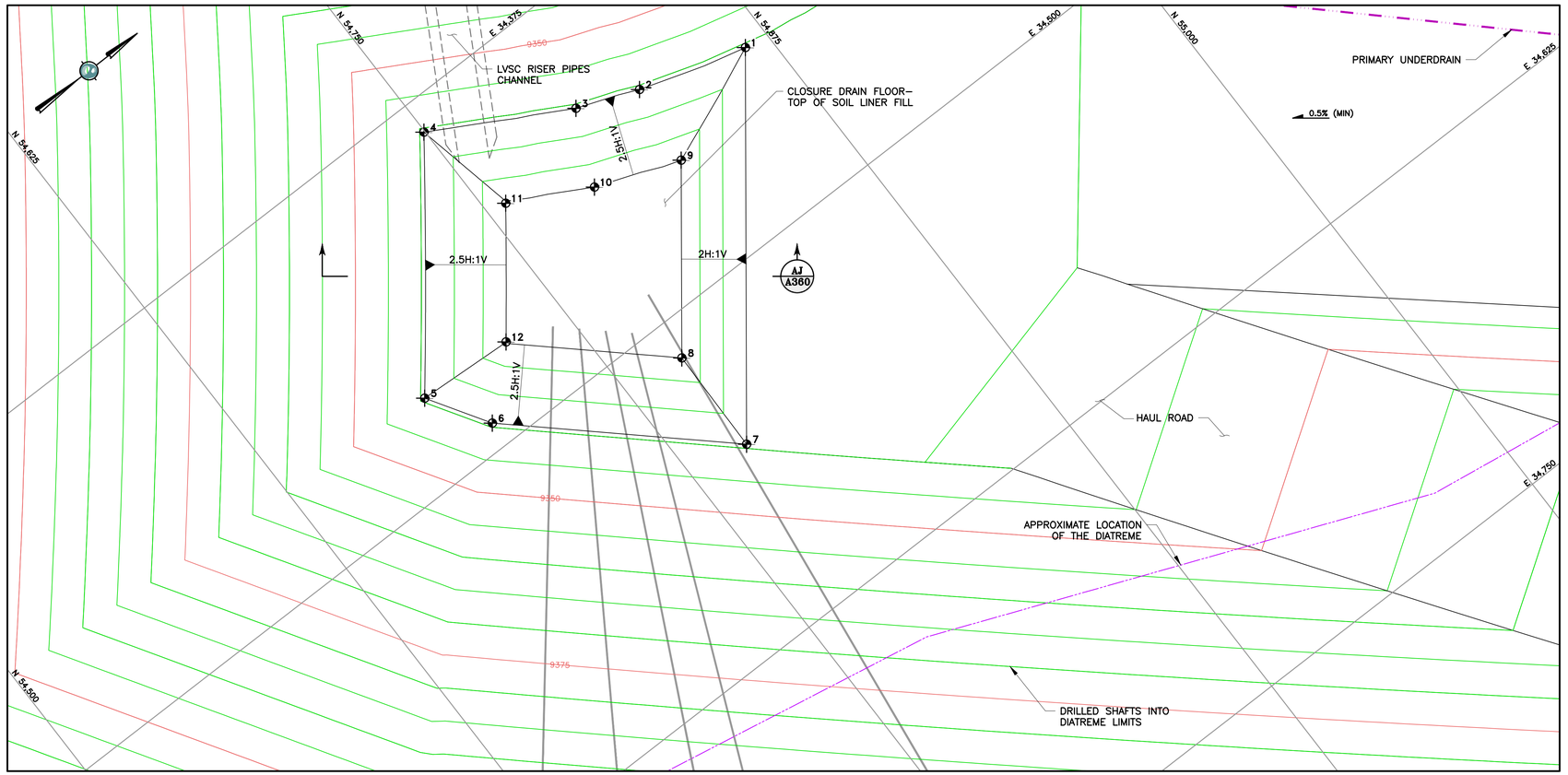
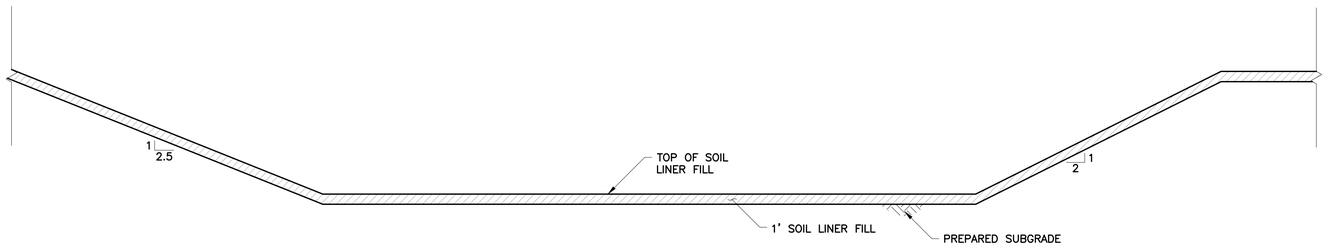



## CLOSURE DRAIN GRADING PLAN

25 0 25 50 FEET




AJ / A360 CLOSURE DRAIN SECTION

NTS

**LEGEND:**

- 5000 — PROPOSED GROUND SURFACE CONTOUR AND EL, FEET
- PRIMARY UNDERDRAIN PIPE
- DRILLED SHAFTS

**NOTES:**

1. SHAFTS SHALL BE DRILLED PRIOR TO CONSTRUCTION OF THE CLOSURE DRAIN, WITH A MINIMUM DIAMETER OF 8 INCHES.
2. SHAFTS SHALL BE EXTEND A MINIMUM OF 10 FEET INTO THE DIATREME
3. CLOSURE DRAIN SHALL BE CONSTRUCTED PRIOR TO THE SOIL LINER INSTALLATION IN THE PSSA.

**CLOSURE DRAIN CONTROL POINTS**

| ID | NORTHING | EASTING | ELEVATION |
|---|---|---|---|
| 1 | 54,865.53 | 34,436.40 | 9339.37 |
| 2 | 54,824.08 | 34,424.44 | 9339.37 |
| 3 | 54,800.65 | 34,415.32 | 9339.37 |
| 4 | 54,749.57 | 34,387.20 | 9339.37 |
| 5 | 54,688.05 | 34,467.12 | 9339.37 |
| 6 | 54,702.51 | 34,490.27 | 9339.37 |
| 7 | 54,773.81 | 34,555.63 | 9339.37 |
| 8 | 54,774.43 | 34,514.72 | 9327.14 |
| 9 | 54,820.15 | 34,455.28 | 9327.14 |
| 10 | 54,787.91 | 34,443.21 | 9327.14 |
| 11 | 54,757.57 | 34,427.48 | 9327.14 |
| 12 | 54,725.48 | 34,469.11 | 9327.14 |

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)

| | | | |
|---|---|---|---|
| 1 | 06/11/13 | REVISED CLOSURE DRAIN GRADING RE-ISSUED FOR CONSTRUCTION | MEN / CAS |
| 0 | 01/07/13 | ISSUED FOR CONSTRUCTION | JNM / CMT |

**DISCLAIMER**

AMEC PRODUCED THE INFORMATION PRESENTED ON THIS DRAWING THROUGH THE USE OF TECHNICAL INFORMATION AND PRACTICAL EXPERIENCE SPECIFIC TO ITS EFFORTS. RECEIVING THIS DRAWING DOES NOT GUARANTEE ANY RIGHTS TO SUCH TECHNICAL INFORMATION AND PRACTICAL EXPERIENCE. ANY ALTERATION OR ADAPTATION OF THE DATA OR CONTENTS OF THIS DRAWING SHALL BE AT USER'S SOLE RISK AND WITHOUT ANY LIABILITY OR LEGAL RESPONSIBILITY TO AMEC.

ISSUED FOR RECORD OF CONSTRUCTION

CLIENT: CRIPPLE CREEK & VICTOR GOLD MINING COMPANY

PROJECT: SQUAW GULCH VLF

TITLE: CLOSURE DRAIN GRADING PLAN AND SECTION

| | | | |
|---|---|---|---|
| DESIGNED BY | JNM | CHECKED BY | MEN |
| DRAWN BY | DS | APPROVED BY | CJB |

FILENAME: 1125GM22 | DRAWING No.: A360 | REV: 1

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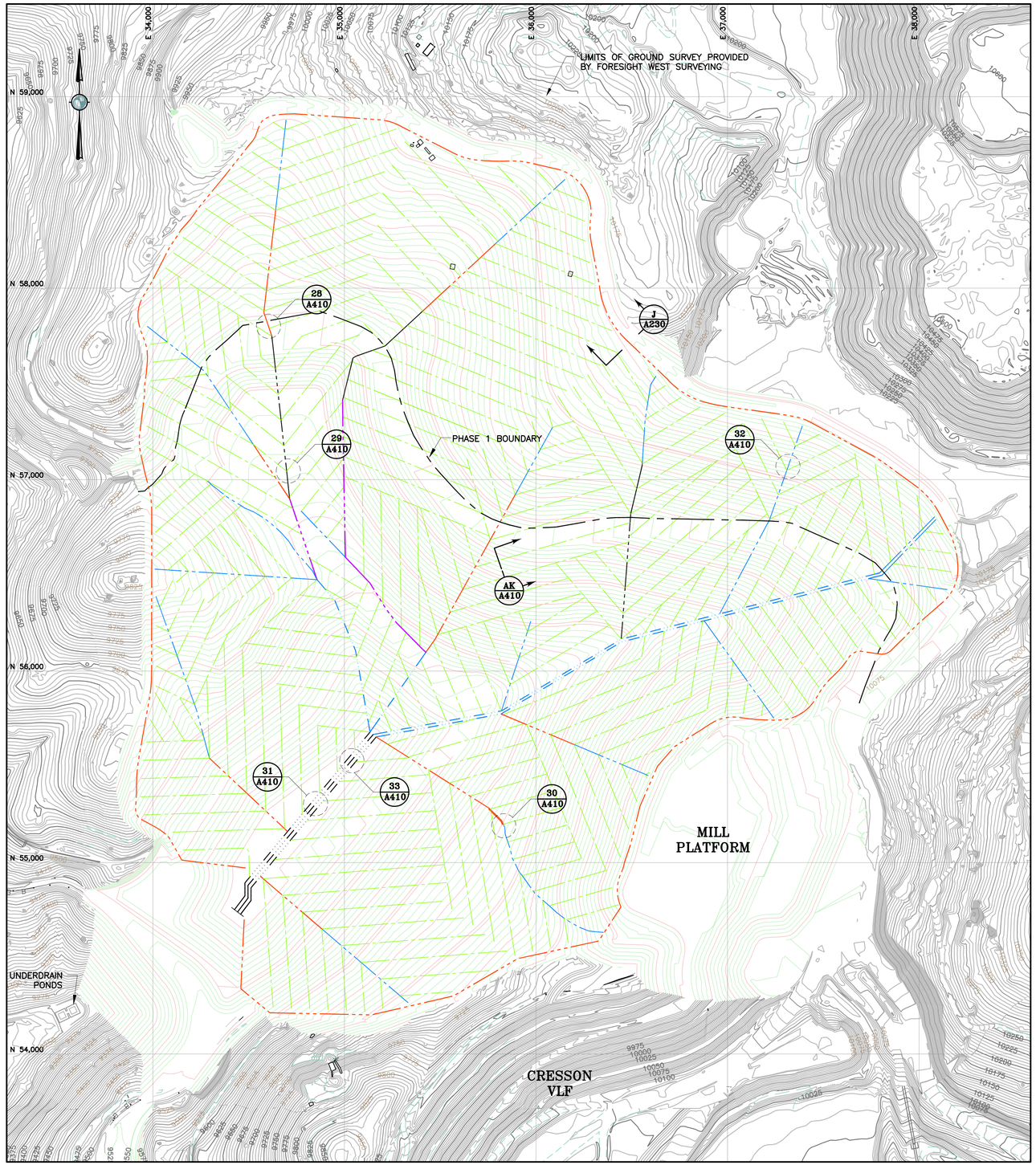



## LEGEND:

- EXISTING GROUND SURFACE CONTOUR AND EL, FEET (AERIAL SURVEY)
- EXISTING GROUND SURFACE CONTOUR AND EL, FEET (LAND SURVEY)
- MILL PLATFORM GROUND SURFACE CONTOUR EL, FEET
- REGRADED GROUND SURFACE CONTOUR AND EL, FEET
- EXISTING ROADS
- SQUAW GULCH VLF PHASE 1 LIMIT
- EXISTING RAILROAD

## SOLUTION COLLECTION PIPING:

- 4" DIA. PCPE HIGHWAY GRADE TERTIARY SOLUTION COLLECTION PIPE PLACED ON 95' CENTERS
- 8" DIA. PCPE (ADS N-12 OR EQUIVALENT) SOLUTION COLLECTION PIPE
- 12" DIA. PCPE (ADS N-12 OR EQUIVALENT) SOLUTION COLLECTION PIPE
- 15" DIA. PCPE (ADS N-12 OR EQUIVALENT) SOLUTION COLLECTION PIPE
- 18" DIA. PCPE (ADS N-12 OR EQUIVALENT) SOLUTION COLLECTION PIPE
- 24" DIA. PCPE (ADS N-12 OR EQUIVALENT) SOLUTION COLLECTION PIPE
- 28" DIA. SDR 11 HDPE PRIMARY SOLUTION COLLECTION PIPE

## NOTES:

1. SOLUTION COLLECTION PIPING SHALL BE PLACED WITH A MINIMUM SLOPE OF 1 PERCENT, AND SHALL BE ADJUSTED TO AVOID PLACEMENT PERPENDICULAR TO SLOPE.
2. REMOVED EXISTING UTILITIES FROM DRAWING.
3. UPDATED EXISTING GROUND TO INCLUDE MILL PLATFORM.
4. UNDERDRAIN POND AND PHASE 2 SEDIMENT POND HAVE BEEN REVISED.
5. PHASE 2 SURFACE WATER DIVERSION CHANNEL AND SEDIMENT DETENTION POND WILL BE BUILT WITH PHASE 1.
6. PSSA EMBANKMENT HAS BEEN WIDENED BY 2'.

300 0 300 600 FEET

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)

| | | | |
|---|---|---|---|
| 3 | 8/8/14 | REV. PERIMETER 12INCH PIPE/RE-ISSUE FOR CONSTRUCTION | ALM / PBS |
| 2 | 02/13/14 | REVISED LINER LIMITS/RE-ISSUED FOR CONSTRUCTION | MEN / PBS |
| 1 | 08/15/13 | REVISED HAUL ROAD / RE-ISSUED FOR CONSTRUCTION | MEN / PBS |
| 0 | 01/07/13 | ISSUED FOR CONSTRUCTION | JNM / CMT |


**DISCLAIMER**

AMEC PRODUCED THE INFORMATION PRESENTED ON THIS DRAWING THROUGH THE USE OF TECHNICAL INFORMATION AND PRACTICAL EXPERIENCE SPECIFIC TO ITS EFFORTS. RECEIVING THIS DRAWING DOES NOT GUARANTEE ANY RIGHTS TO SUCH TECHNICAL INFORMATION AND PRACTICAL EXPERIENCE. ANY ALTERATION OR ADAPTATION OF THE DATA OR CONTENTS OF THIS DRAWING SHALL BE AT USER'S SOLE RISK AND WITHOUT ANY LIABILITY OR LEGAL RESPONSIBILITY TO AMEC.


ISSUED FOR RECORD OF CONSTRUCTION

CLIENT: CRIPPLE CREEK & VICTOR GOLD MINING COMPANY

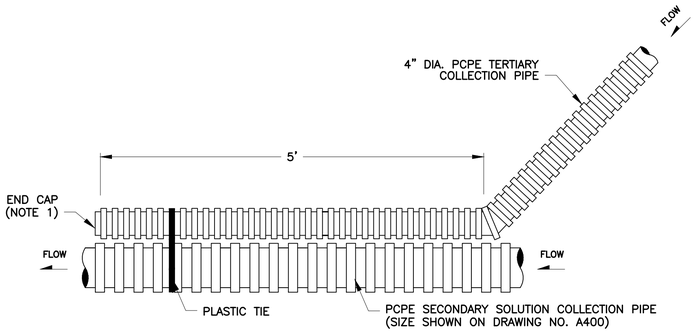
PROJECT: SQUAW GULCH VLF

TITLE: HIGH VOLUME SOLUTION COLLECTION PIPING LAYOUT

| | | | |
|---|---|---|---|
| DESIGNED BY | JNM | CHECKED BY | JNM |
| DRAWN BY | DS | APPROVED BY | KFM |

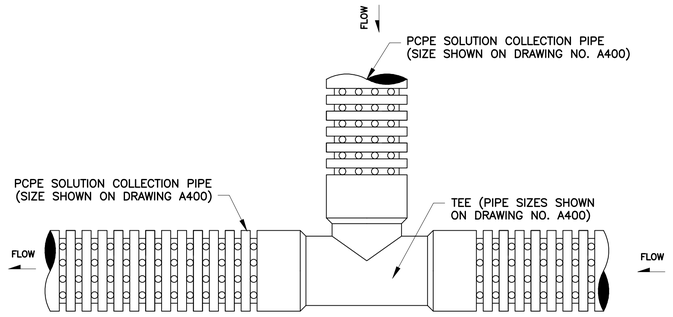
FILENAME: 1125GM41 | DRAWING No.: A400 | REV: 3

S:\CAD\1125C-Squaw VLF\costs\CAD\ DRAWINGS\IFC Drawings\s400-1125GM41 .dwg 1/22/2013 8:50 AM



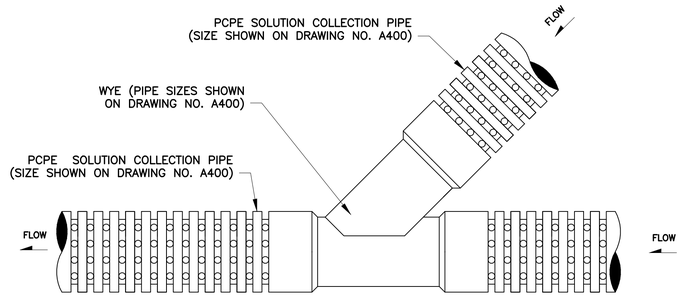

28 / A400 TYPICAL SINGLE TERTIARY TO SECONDARY SOLUTION COLLECTION PIPE JUNCTION

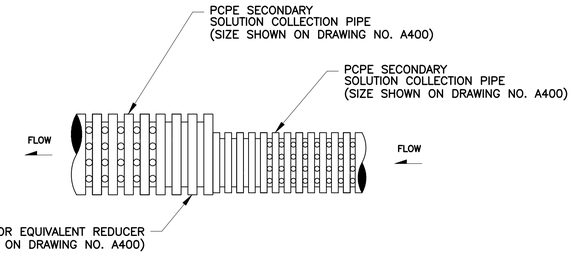
NTS




29 / A400 ALTERNATIVE SOLUTION COLLECTION PIPE TEE JUNCTION

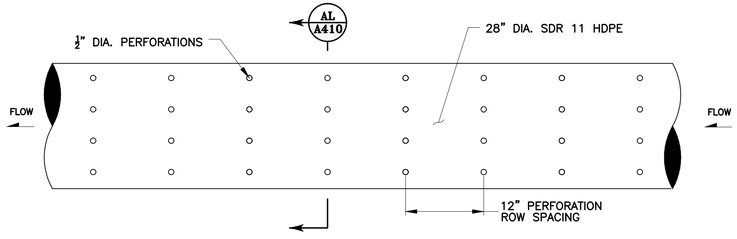
NTS



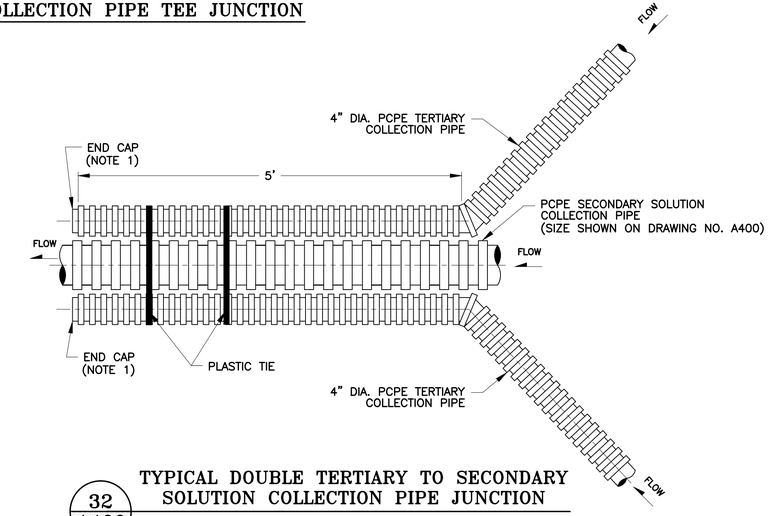

30 / A400 TYPICAL SOLUTION COLLECTION PIPE REDUCER DETAIL

NTS



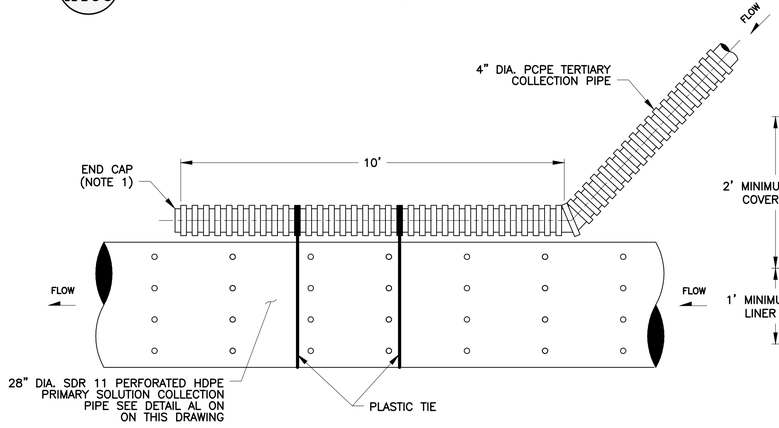

31 / A400 PRIMARY SOLUTION COLLECTION PIPE

NTS



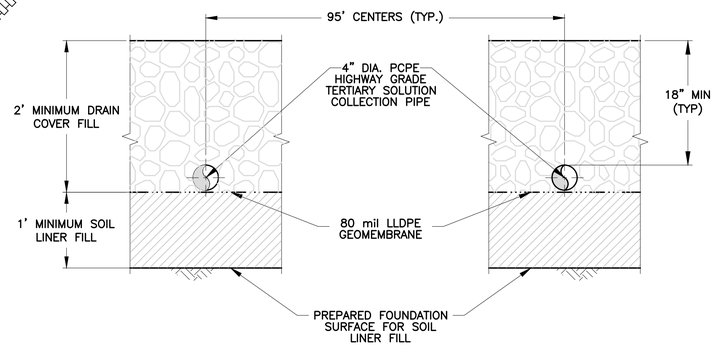

32 / A400 TYPICAL DOUBLE TERTIARY TO SECONDARY SOLUTION COLLECTION PIPE JUNCTION

NTS



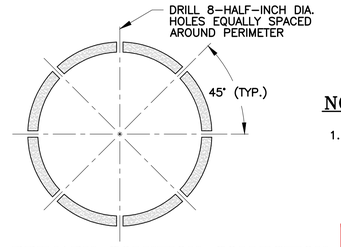

33 / A400 TYPICAL TERTIARY OR SECONDARY TO PRIMARY SOLUTION COLLECTION PIPE CONNECTION

NTS




AK / A400 VLF LINER SYSTEM

NTS




AL / A410 PRIMARY SOLUTION COLLECTION PIPE PERFORATION DETAIL

NTS

**NOTES:**

1. ALL PCPE PIPES TO TERMINATE WITH MANUFACTURED END CAP. NO EXCEPTIONS.

ISSUED FOR RECORD OF CONSTRUCTION

| | |
|---|---|
| CLIENT | CRIPPLE CREEK & VICTOR GOLD MINING COMPANY |
| PROJECT | SQUAW GULCH VLF |
| TITLE | HIGH VOLUME SOLUTION COLLECTION SYSTEM DETAILS |

| | | | |
|---|---|---|---|
| 0 | 01/07/13 | ISSUED FOR CONSTRUCTION | JNM / CMT |

DISCLAIMER

AMEC PRODUCED THE INFORMATION PRESENTED ON THIS DRAWING THROUGH THE USE OF TECHNICAL INFORMATION AND PRACTICAL EXPERIENCE SPECIFIC TO ITS EFFORTS. RECEIVING THIS DRAWING DOES NOT GUARANTEE ANY RIGHTS TO SUCH TECHNICAL INFORMATION AND PRACTICAL EXPERIENCE. ANY ALTERATION OR ADAPTATION OF THE DATA OR CONTENTS OF THIS DRAWING SHALL BE AT USER'S SOLE RISK AND WITHOUT ANY LIABILITY OR LEGAL RESPONSIBILITY TO AMEC.

amec

| | | | |
|---|---|---|---|
| DESIGNED BY | JNM | CHECKED BY | JNM |
| DRAWN BY | DS | APPROVED BY | KFM |
| FILENAME | 1125GD42 | DRAWING No. | A410 |
| | | REV | 0 |

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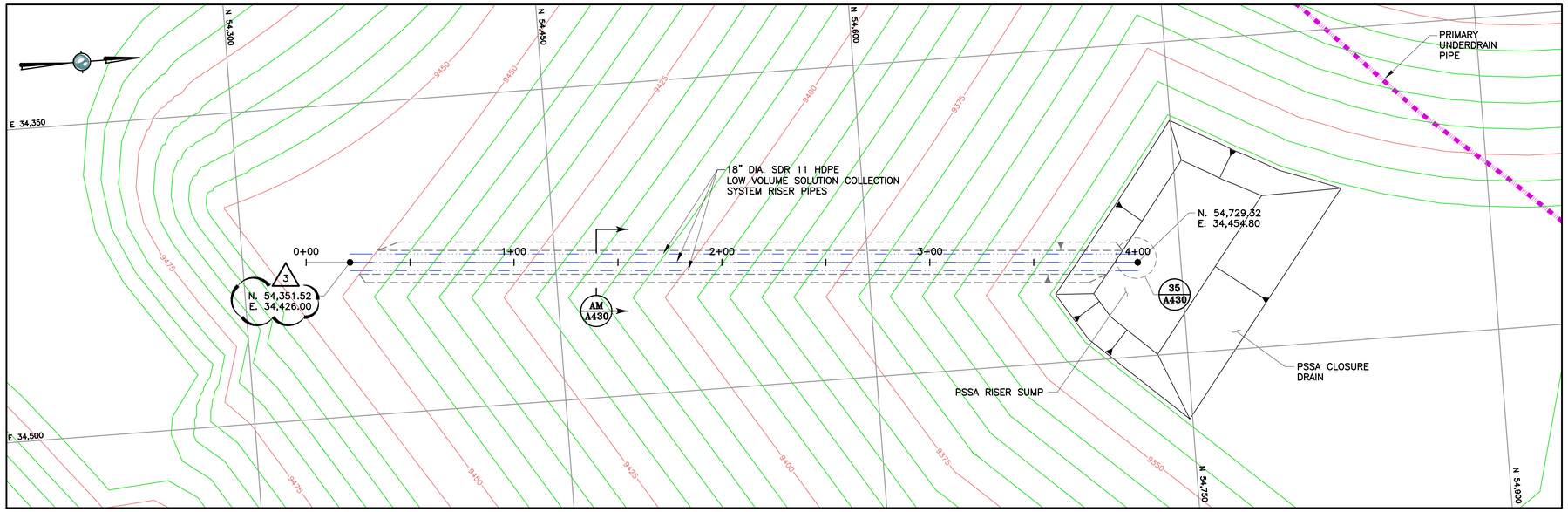


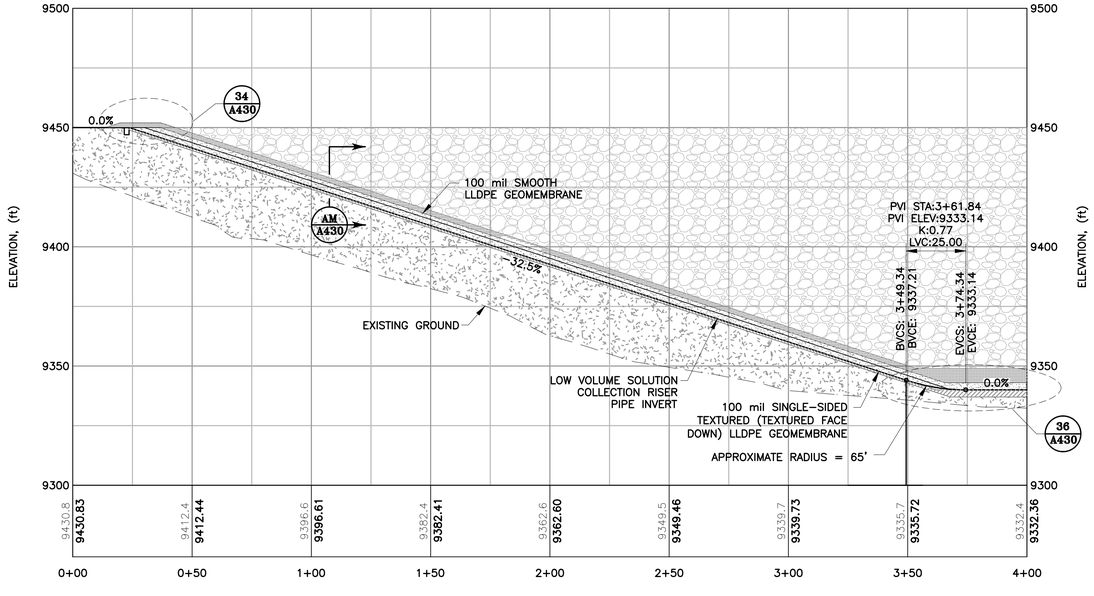


LOW VOLUME SOLUTION COLLECTION
RISER PROFILE

30 0 30 60 FEET

## REVISION NOTE:

THE LOW VOLUME SOLUTION COLLECTION SYSTEM WAS RELOCATED, AS A RESULT, THIS ENTIRE DRAWING WAS REVISED AND RE-ISSUED AS REVISION NUMBER 2.

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)

**LEGEND:**

- 100 PROPOSED GROUND SURFACE CONTOUR EL, FEET
- DIATREME BOUNDARY
- PRIMARY UNDERDRAIN PIPE
- 18" DIA. SDR 11 HDPE PIPE

ISSUED FOR RECORD OF CONSTRUCTION

| | | | |
|---|---|---|---|
| 3 | 05/05/14 | RE-ISSUED FOR CONSTRUCTION | MEN / PBS |
| 2 | 02/13/14 | RELOCATE PIPE TRENCH / RE-ISSUED FOR CONSTRUCTION | MEN / PBS |
| 1 | 08/15/13 | REV. PSSA RISER SUMP / RE-ISSUED FOR CONSTRUCTION | MEN / PBS |
| 0 | 01/07/13 | ISSUED FOR CONSTRUCTION | JNM / CMT |

**DISCLAIMER**

AMEC PRODUCED THE INFORMATION PRESENTED ON THIS DRAWING THROUGH THE USE OF TECHNICAL INFORMATION AND PRACTICAL EXPERIENCE SPECIFIC TO ITS EFFORTS. RECEIVING THIS DRAWING DOES NOT GUARANTEE ANY RIGHTS TO SUCH TECHNICAL INFORMATION AND PRACTICAL EXPERIENCE. ANY ALTERATION OR ADAPTATION OF THE DATA OR CONTENTS OF THIS DRAWING SHALL BE AT USER'S SOLE RISK AND WITHOUT ANY LIABILITY OR LEGAL RESPONSIBILITY TO AMEC.

CLIENT: CRIPPLE CREEK & VICTOR GOLD MINING COMPANY

PROJECT: SQUAW GULCH VLF

TITLE: LOW VOLUME SOLUTION COLLECTION SYSTEM DETAILS SHEET 1 OF 2

| | | | |
|---|---|---|---|
| DESIGNED BY | JNM | CHECKED BY | JNM |
| DRAWN BY | DS | APPROVED BY | KFM |

| FILENAME | DRAWING No. | REV |
|---|---|---|
| 1125GP43 | A420 | 3 |

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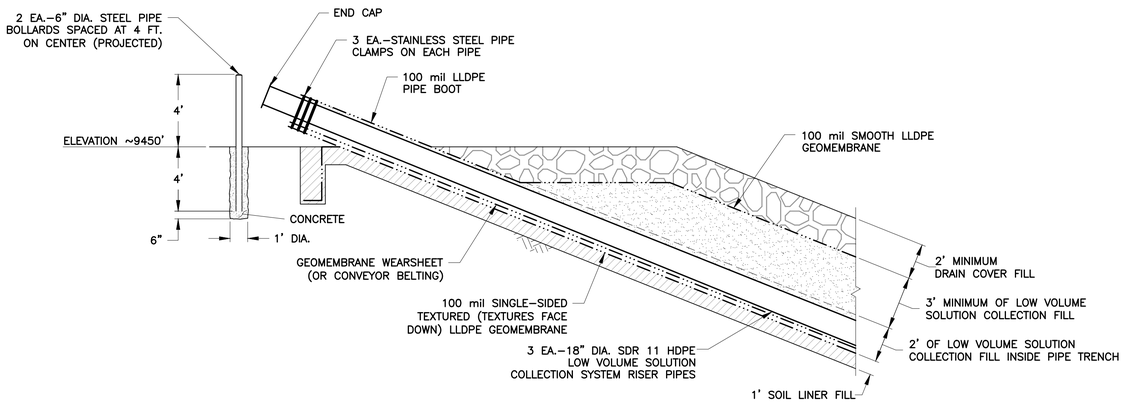
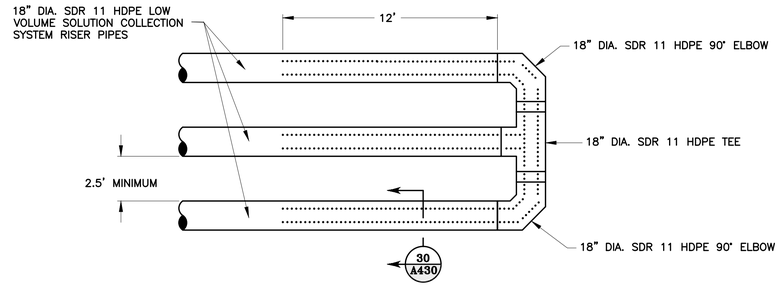


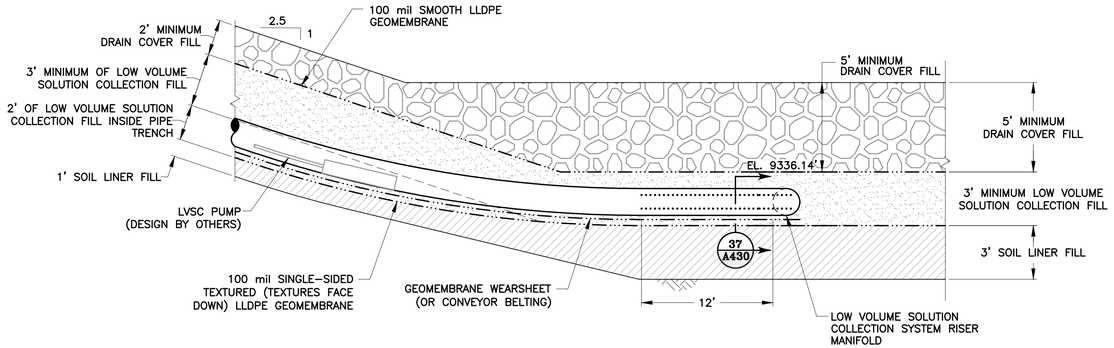

34 / A420 LOW VOLUME SOLUTION COLLECTION SYSTEM RISER OUTLET SECTION

NTS



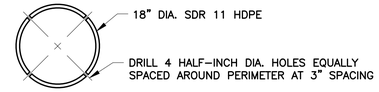

35 / A420 LOW VOLUME SOLUTION COLLECTION SYSTEM MANIFOLD

NTS



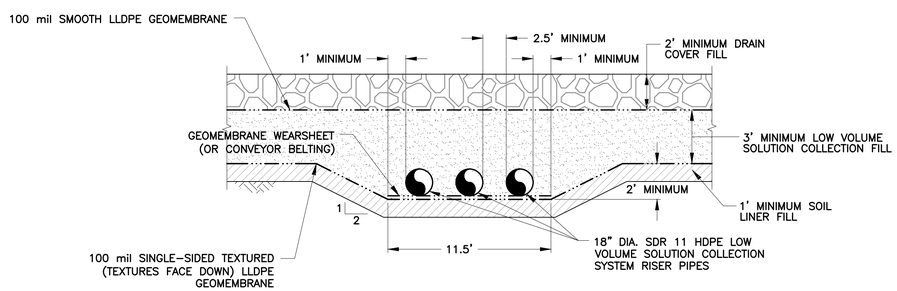

36 / A420 LOW VOLUME SOLUTION COLLECTION PIPE AT TOE OF PSSA

NTS




37 / A430 LVSC RISER PERFORATION

NTS




AM / A420 LOW VOLUME SOLUTION COLLECTION SYSTEM PIPE TRENCH SECTION

NTS

## NOTE:

1. CONTRACTOR TO KEEP PIPE END COVERED AT ALL TIMES TO PREVENT MATERIAL FROM GETTING INTO THE RISER PIPE.

| | | | |
|---|---|---|---|
| 1 | 05/05/14 | RE–ISSUED FOR CONSTRUCTION | MEN / PBS |
| 0 | 01/07/13 | ISSUED FOR CONSTRUCTION | JNM / CMT |

DISCLAIMER

AMEC PRODUCED THE INFORMATION PRESENTED ON THIS DRAWING THROUGH THE USE OF TECHNICAL INFORMATION AND PRACTICAL EXPERIENCE SPECIFIC TO ITS EFFORTS. RECEIVING THIS DRAWING DOES NOT GUARANTEE ANY RIGHTS TO SUCH TECHNICAL INFORMATION AND PRACTICAL EXPERIENCE. ANY ALTERATION OR ADAPTATION OF THE DATA OR CONTENTS OF THIS DRAWING SHALL BE AT USER'S SOLE RISK AND WITHOUT ANY LIABILITY OR LEGAL RESPONSIBILITY TO AMEC.

ISSUED FOR RECORD OF CONSTRUCTION

CLIENT: CRIPPLE CREEK & VICTOR GOLD MINING COMPANY

PROJECT: SQUAW GULCH VLF

TITLE: LOW VOLUME SOLUTION COLLECTION SYSTEM DETAILS SHEET 2 OF 2

| | | | |
|---|---|---|---|
| DESIGNED BY | JNM | CHECKED BY | JNM |
| DRAWN BY | DS | APPROVED BY | KFM |

FILENAME: 1125GD44 | DRAWING No.: A430 | REV: 1

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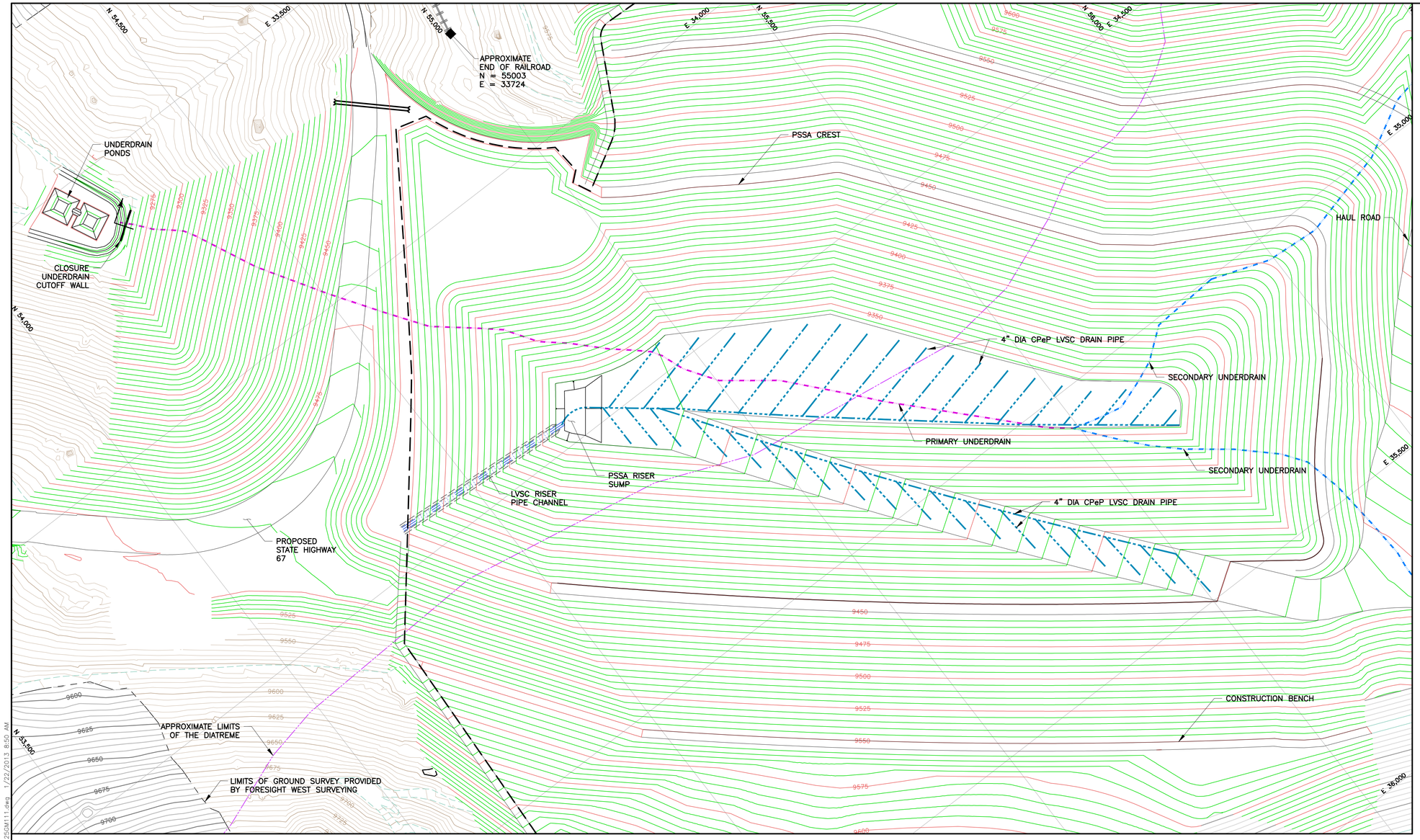


## LEGEND:

- EXISTING GROUND SURFACE CONTOUR AND EL, FEET (AERIAL SURVEY)
- PROPOSED GROUND SURFACE CONTOUR AND EL, FEET
- EXISTING GROUND SURFACE CONTOUR AND EL, FEET (LAND SURVEY)
- PSSA GEOMEMBRANE LIMITS (SEE NOTE 1)
- PRIMARY UNDERDRAIN PIPE
- SECONDARY UNDERDRAIN PIPE
- EXISTING UNIMPROVED ROAD/TRAILS
- DAYLIGHT LINE
- APPROXIMATE LIMITS OF DIATREME
- EXISTING RAILROAD
- 4" DIA CPeP LVSC DRAIN PIPES

## NOTES:

1. THE GEOMEMBRANE LINERS ON THE PSSA EMBANKMENT ARE AS FOLLOWS:
   100 mil SMOOTH LLDPE ON TOP
   100 mil SINGLE SIDED TEXTURED LLDPE ON BOTTOM
2. UNDERDRAIN PUMPBACK PIPES WILL BE PLACED IN 36-INCH DIAMETER HDPE CULVERTS EXTENDING UNDER THE RE-ALIGNED STATE HIGHWAY 67.
3. UNDERDRAIN POND HAS BEEN REVISED.
4. PSSA EMBANKMENT HAS BEEN WIDENED BY 2'.

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)

100 0 100 200 FEET

| | | | |
|---|---|---|---|
| 3 | 06/02/14 | REVISED LVSC PIPES/RE-ISSUED FOR CONSTRUCTION | MEN / PBS |
| 2 | 02/13/14 | REVISED LINER LIMITS/RE-ISSUED FOR CONSTRUCTION | MEN / PBS |
| 1 | 08/15/13 | REV. PSSA RISER SUMP / RE-ISSUED FOR CONSTRUCTION | MEN / PBS |
| 0 | 01/07/13 | ISSUED FOR CONSTRUCTION | JNM / CMT |


**DISCLAIMER**

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ISSUED FOR RECORD OF CONSTRUCTION

CLIENT: CRIPPLE CREEK & VICTOR GOLD MINING COMPANY

PROJECT: SQUAW GULCH VLF

TITLE: LVSC DRAIN PIPES LAYOUT

| | | | |
|---|---|---|---|
| DESIGNED BY | JNM | CHECKED BY | JNM |
| DRAWN BY | DS | APPROVED BY | JNM |

| FILENAME | DRAWING No. | REV |
|---|---|---|
| 1125GM111 | A440 | 3 |

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