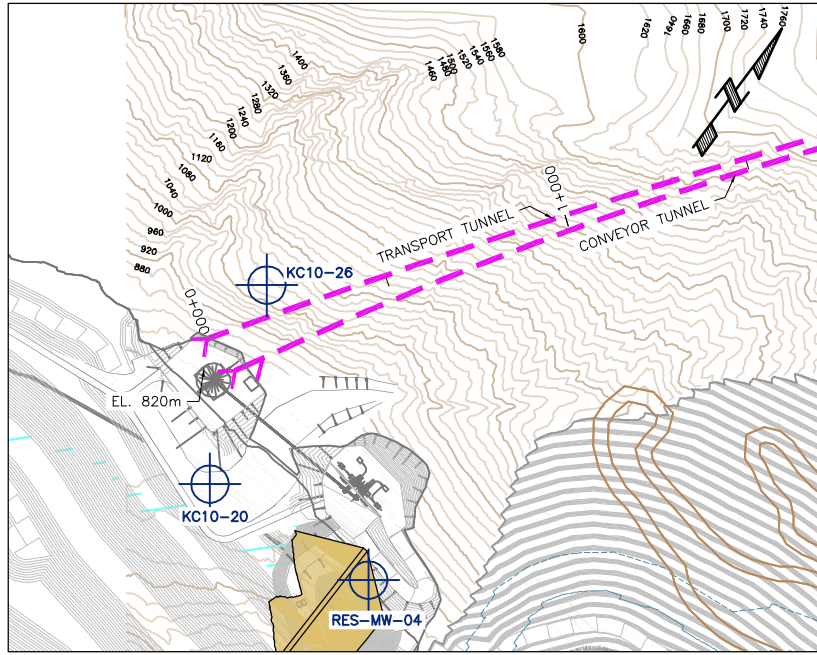
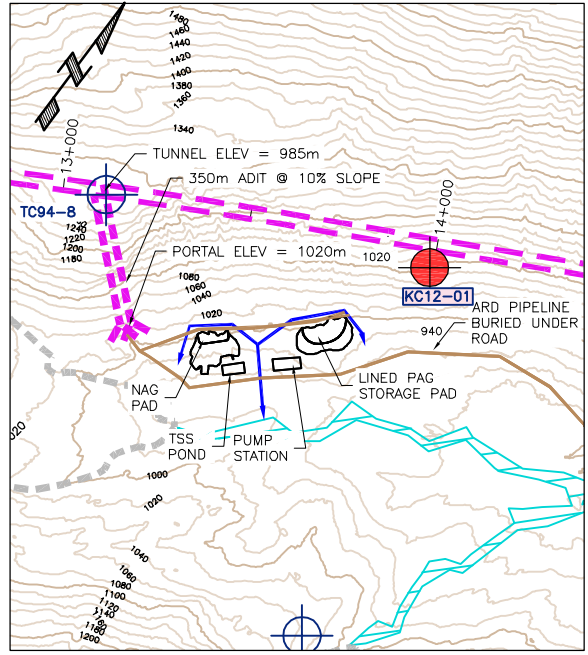


Appendix H14

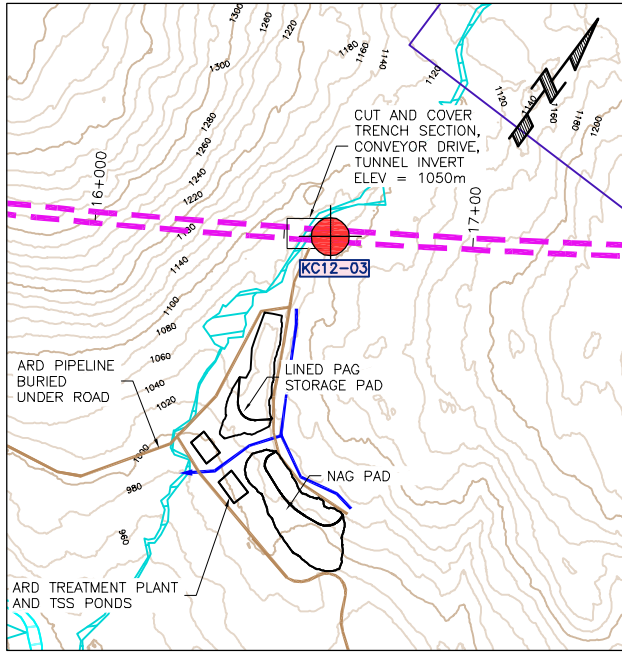
Drawings - Tunnelling



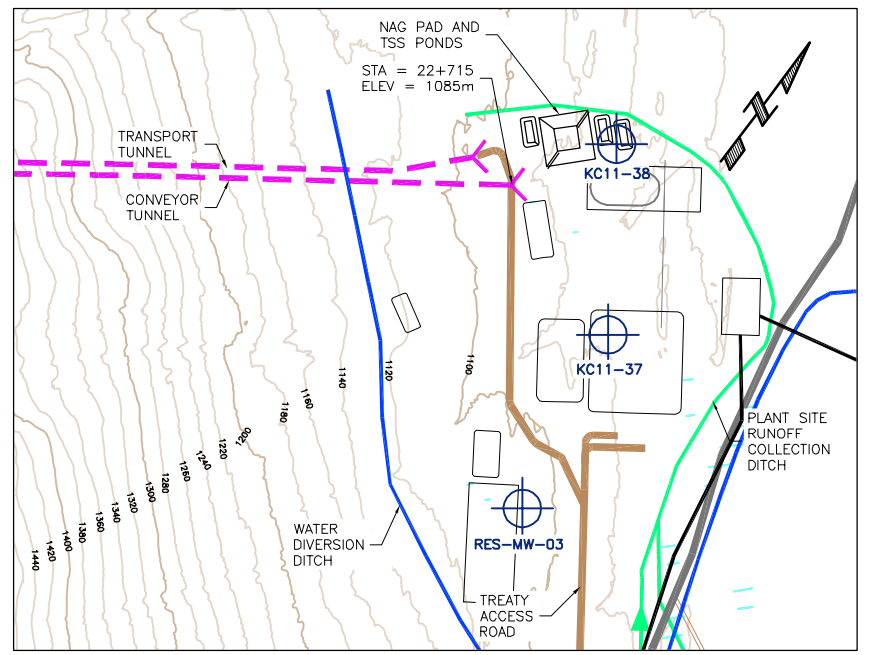
DETAIL 1: OPC AND MITCHELL PORTALS
SCALE 1:20,000



DETAIL 2: CONSTRUCTION ACCESS ADIT
SCALE 1:20,000
SEE FIG 2 FOR SCALE 1:10,000

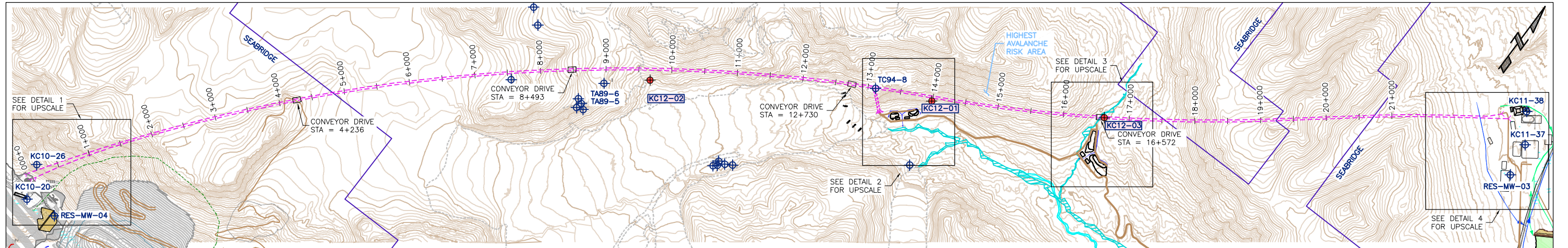


DETAIL 3: SADDLE PORTAL
SCALE 1:20,000

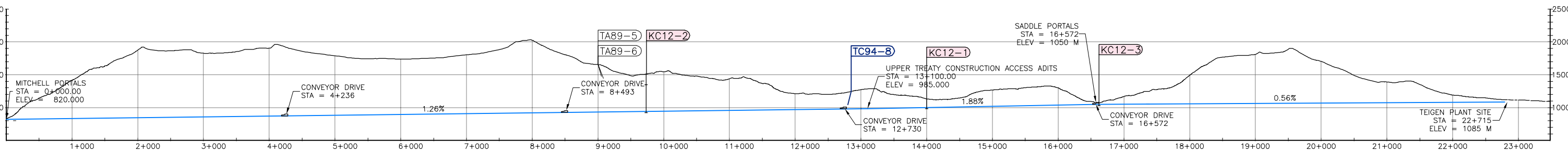


DETAIL 4: TEIGEN PLANT SITE
SCALE 1:20,000
SEE FIG 2 FOR SCALE 1:10,000

SCALE: 0 100 m 400 m



PLAN - MITCHELL-TEIGEN TUNNEL
SCALE 1:60,000



PROFILE - MITCHELL-TEIGEN TUNNEL
SCALE 1:60,000

NOT FOR CONSTRUCTION

SCALE: 0 500 m 2,000 m

- LEGEND:**
- PROPOSED DRILLHOLES
 - HISTORICAL DRILLHOLES

TEIGEN PLANT SITE: H.BOSCHE 10-10-1557A SAG OPTION 6 JAN 17, 2012
 OPC LAYOUT: H.BOSCHE 10-10-1715 SAG/NO UTM REV N DEC 2/2011
 CONTOURS: 2011 LIDAR (MCELHANNEY)
 NOTE: CONVEYOR DRIVE STATION LOCATIONS ARE FROM PREVIOUS ALIGNMENT AND WILL BE UPDATED BY H. BOSCHE

NO.	DATE	ISSUE / REVISION	DRAWN	CHK'D	DESIGN	APP'D
E	MAR 9, 2012	ISSUED FOR MCELHANNEY	JT	JM	GP	GP
D	JAN 23, 2011	ISSUED FOR TUNNELING GROUP	JT	JM	GP	GP
C	JAN 19, 2011	ISSUED FOR TUNNELING GROUP	JT	JM	GP	GP
B	DEC 19, 2011	DRAFT - ISSUED FOR CLIENT REVIEW	JT	JM	GP	GP
A	DEC 16, 2011	DRAFT - ISSUED FOR CLIENT REVIEW	JT	JM	GP	GP

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CLIENT

SEABRIDGE GOLD

PROJECT

KSM PROJECT
2012 PFS UPDATE

TITLE

MITCHELL-TEIGEN TUNNEL
PLAN AND PROFILE
WITH EXISTING AND PROPOSED DRILLHOLES

SCALE: AS SHOWN

PROJECT No. M09480A04

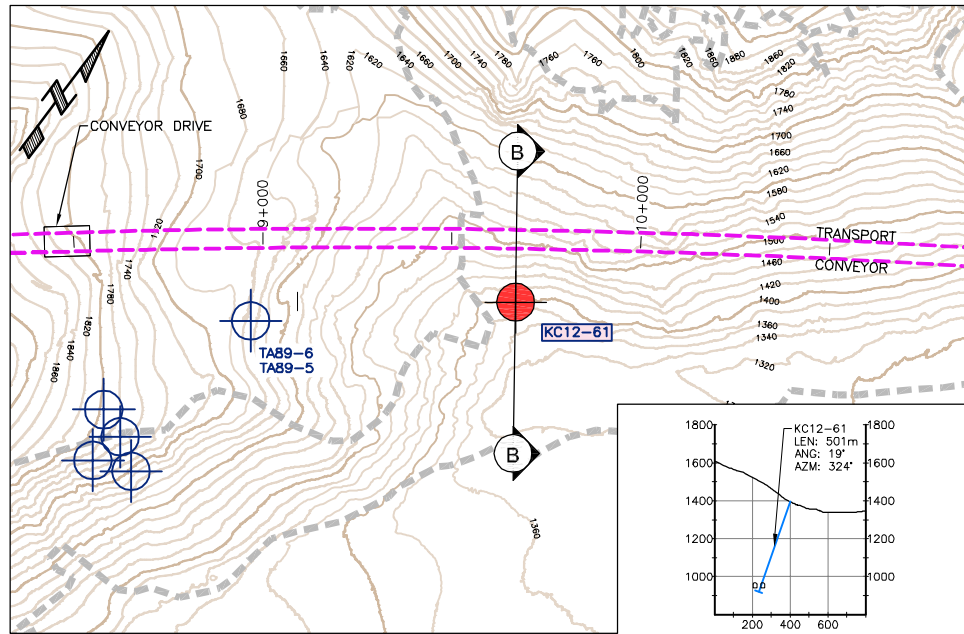
DWG. No. FIG 1

REV. E

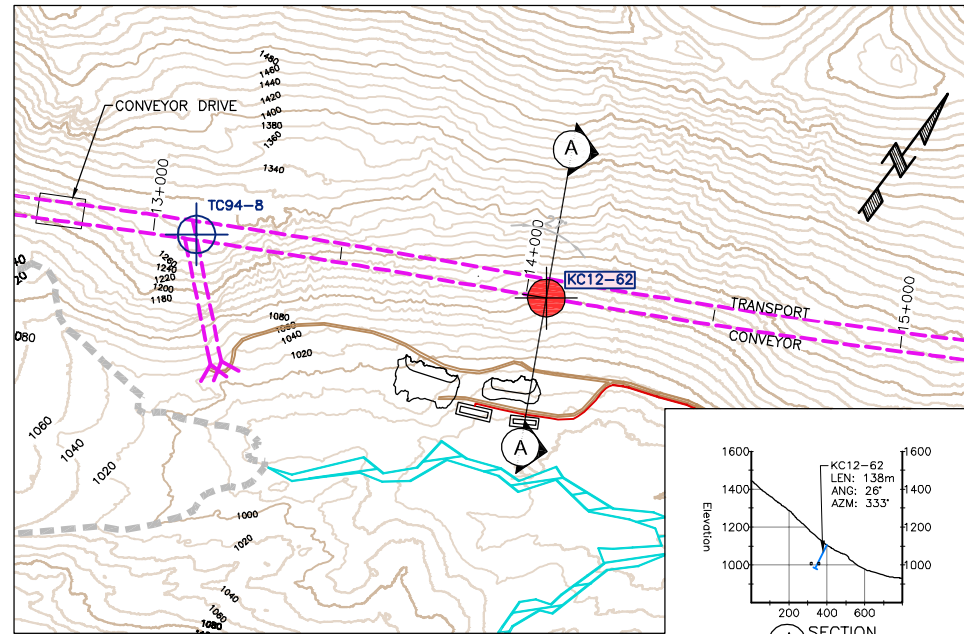
CANCEL PRINTS BEARING PREVIOUS REVISION

Time: 11:01:48
 Date: 3/27/12
 Scale: 1=1(P/S)
 Drawing File: Z:\M\VCR\M09480A04 - KSM 2012 PFS 400 Drawings\TUNNELS\FIG 1-2 RevD.dwg (jtinaco)
 Xrefs: I-KCBL-JAN20_2012, I-BY-OTHERS-JAN_2012, BM-JAN2012

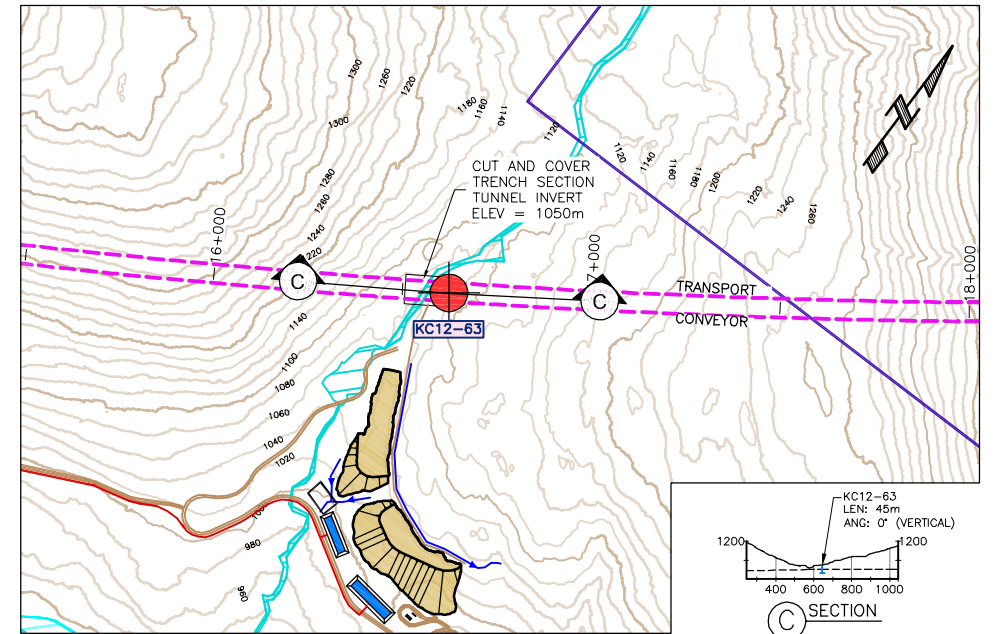
KCB-C-MD



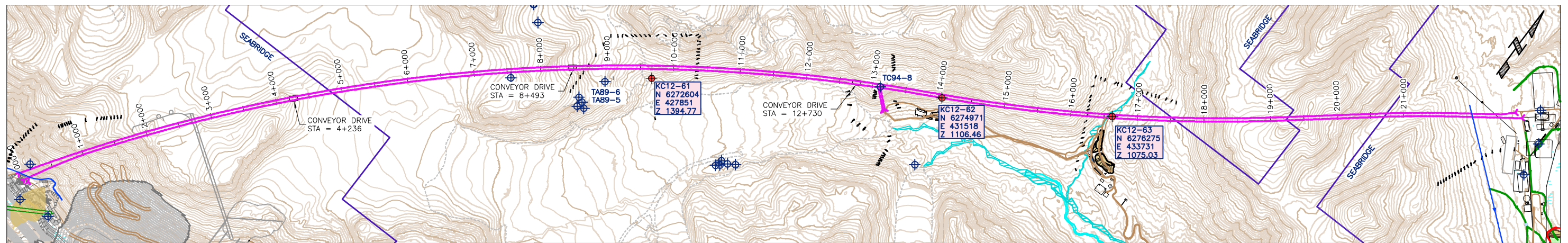
DETAIL 1: KC12-61 DRILL HOLE LOCATION
TOTAL TARGET DEPTH = 501m
SCALE 1:10,000



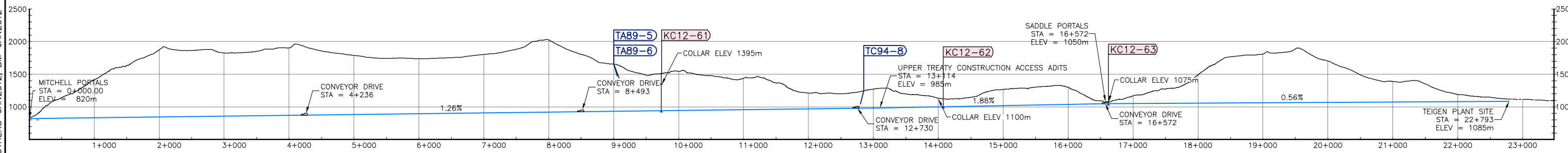
DETAIL 1: KC12-62 DRILL HOLE LOCATION
TOTAL TARGET DEPTH = 138m
SCALE 1:10,000



DETAIL 1: KC12-63 DRILL HOLE LOCATION
TOTAL TARGET DEPTH = 45m
SCALE 1:10,000



PLAN - MITCHELL-TEIGEN TUNNEL
SCALE 1:30,000



PROFILE - MITCHELL-TEIGEN TUNNEL
SCALE 1:30,000

LEGEND:

- PROPOSED 2012 TUNNEL ROUTE DRILLHOLES
- APPROXIMATE LOCATIONS OF HISTORIC DRILLHOLES FROM ASSESSMENT REPORTS

NO.	DATE	ISSUE / REVISION	DRAWN	CHK'D	DESIGN	APP'D
C	SEP 10, 2012	DRAFT - ISSUED FOR CLIENT REVIEW	JT	JM	GP	GP
B	AUG 16, 2012	DRAFT - ISSUED FOR CLIENT REVIEW	JT	JM	GP	GP
A	MAR 7, 2012	DRAFT - ISSUED FOR CLIENT REVIEW	JT	JM	GP	GP

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CLIENT

SEABRIDGE GOLD



Klohn Crippen Berger

PROJECT

KSM PROJECT

TITLE

MITCHELL-TEIGEN TUNNEL
PLAN AND PROFILE
2012 PROPOSED GEOTECHNICAL DRILLHOLES

SCALE

AS SHOWN

PROJECT No.

M09480A04

DWG. No.

FIG 3

REV.

C

CANCEL PRINTS BEARING PREVIOUS REVISION

Time: 9:51:46
Date: 6/7/2011
Scale: 1=(PS)
Drawing File: Z:\M\VCR\M09480A04 - KSM 2012 PFS\400 Drawings\TUNNELS\FIG 1-2 RevF FIG 3 Rev C.dwg
Xrefs: I-KCBL-JANZO_2012, I-BY-OTHERS-JAN2012, BM-JAN2012

KCB-C-MD