Original, Full Sized, Signed and Sealed As-built Construction Drawings have been Provided Separate from Volume 1 Binder as Part of this Report Submission,

Drawings Provided Within Appendix D of Volume 1 Binder (11x17 printouts) are Copies Only.

APPENDIX D

As-Built Drawings Bay-Goose Dike
4200 Series North Portion
4300 Series South Portion

AGNICO-EAGLE MINES LIMITED
MEADOWBANK DIVISION
MEADOWBANK GOLD PROJECT
BAY-GOOSE DIKE AS-BUILT - NORTH PORTION

DRAWING INDEX

DWG. NO.	DRAWING TITLE		REVISION TITLE
4200-00	BAY-GOOSE DIKE LOCATION MAP AND DRAWING INDEX	4	REVISED AS-BUILT
4200-01	BAY-GOOSE DIKE SITE PLAN	1	AS-BUILT
4200-02	BAY-GOOSE DIKE BOREHOLE LOCATION PLAN	1	AS-BUILT
4200-03	BAY-GOOSE DIKE CUTOFF WALL CENTRELINE SETOUT PLAN	1	AS-BUILT
4200-04	BAY-GOOSE DIKE INITIAL ROCKFILL AND TURBIDITY BARRIERS LAYOUT PLAN	2	AS-BUILT
4200-05	BAY-GOOSE DIKE TYPICAL MATERIAL PLACEMENT PLAN	2	AS-BUILT
4200-06	BAY-GOOSE DIKE TYPICAL MATERIAL PLACEMENT SECTIONS (NORTH PORTION)	2	AS-BUILT
4200-07	BAY-GOOSE DIKE TYPICAL MEDIUM DEPTH PLAN AND SECTION	2	CANCELLED
4200-08	BAY-GOOSE DIKE GOOSE ISLAND ABUTMENT DETAILS - TILL OPTION	1	CANCELLED
4200-09	BAY-GOOSE DIKE GOOSE ISLAND ABUTMENT SECTIONS - TILL OPTION	1	CANCELLED
4200-10	BAY-GOOSE DIKE NORTH ABUTMENT PLAN AND DETAILS	1	AS-BUILT
4200-11A	BAY-GOOSE DIKE INSTRUMENTATION PLAN (NORTH PORTION)	2	AS-BUILT
4200-11B	BAY-GOOSE DIKE INSTRUMENTATION PROFILE (NORTH PORTION)	2	AS-BUILT
4200-12	BAY-GOOSE DIKE INSTRUMENTATION SECTION DETAILS (NORTH PORTION)	3	AS-BUILT
4200-13	BAY-GOOSE DIKE GOOSE ISLAND ABUTMENT CUTOFF WALL OPTION	1	AS-BUILT
4200-14	BAY-GOOSE DIKE CROSS SECTIONS (NORTH PORTION) (1 OF 2)	2	AS-BUILT
4200-15	BAY-GOOSE DIKE CROSS SECTIONS (NORTH PORTION) (2 OF 2)	2	AS-BUILT
4200-17	BAY-GOOSE DIKE NORTH PORTION TYPICAL SECTION	1	AS-BUILT
4200-18	BAY-GOOSE DIKE LONGITUDINAL SECTION (NORTH PORTION)	1	AS-BUILT
4200-20	BAY-GOOSE DIKE GROUTING WORK AREAS - PLAN	1	AS-BUILT
4200-21	BAY-GOOSE DIKE GROUTING WORK AREAS - PROFILE	1	AS-BUILT
4200-22	BAY-GOOSE DIKE GROUTING DETAILS	1	AS-BUILT
4200-23	BAY-GOOSE DIKE GROUTING PROCEDURE PERFORATED CASING	1	AS-BUILT
4200-30	BAY-GOOSE DIKE DENSIFICATION PLAN - PHASE 1 AND 2 (NORTH PORTION) (1 OF 2)	0	AS-BUILT
4200-31	BAY-GOOSE DIKE DENSIFICATION PLAN - PHASE 1 AND 2 (NORTH PORTION) (2 OF 2)	0	AS-BUILT
4200-32	BAY-GOOSE DIKE DENSIFICATION PLAN - PHASE 3 (NORTH PORTION) (1 OF 2)	0	AS-BUILT
4200-33	BAY-GOOSE DIKE DENSIFICATION PLAN - PHASE 3 (NORTH PORTION) (2 OF 2)	0	AS-BUILT
4200-34	BAY-GOOSE DIKE DENSIFICATION PLAN - PHASE 4 (NORTH PORTION) (1 OF 2)	0	AS-BUILT
4200-35	BAY-GOOSE DIKE DENSIFICATION PLAN - PHASE 4 (NORTH PORTION) (2 OF 2)	0	AS-BUILT

DRAWING NUMBERS NOT USED:
4200-16, 4200-19, 4200-24 TO 4200-29

LOCATION PLAN
NTS

LIST OF SPECIFICATIONS

SPECIFICATION NO.	TITLE	REVISION
4200-S1	GENERAL	1
4200-S2	SCOPE	1
4200-S3	COMMERCIAL CONDITIONS	1
4200-S4	EXCAVATION AND FOUNDATION PREPARATION	1
4200-S5	FILL PLACEMENT	1
4200-S6	CUTOFF WALL	1
4200-S7	DRILLING AND GROUTING	1
4200-S8	INSTRUMENTATION	1
4200-S9	QC AND QA REQUIREMENTS	1

PROJECT
AEM
AGNICO-EAGLE MINES LIMITED
MEADOWBANK GOLD PROJECT
NUNAVUT

DRAWING NO.	REFERENCES	REV	DATE	DES	REVISION DESCRIPTION	CADD	CHK	RVW
		4	03APR13	KD	REVISED AS-BUILT	TK	GRB	FE
		3	15DEC12	KD	AS-BUILT	JD	GRB	FE
		2	25AUG10	FE	REVISED DRAWING LIST	JK	FE	MRJ
		1	31JUL09	FE	REVISED DRAWING LIST	JK	FE	MRJ
		0	17JUL09	FE	ISSUED FOR CONSTRUCTION	EA	FE	MRJ
		D	22MAY09	FE	REVISED ISSUED FOR TENDER	MSH	DRW	MRJ
		C	08MAY09	FE	ISSUED FOR TENDER	MSH	DRW	MRJ
		B	02FEB09	JU	ISSUED FOR REVIEW	EA	FE	JCC
		A	24DEC08	JU	ISSUED FOR REVIEW	EA	JU	JCC

STAMP

TITLE
BAY-GOOSE DIKE
LOCATION MAP AND DRAWING INDEX

Golder Associates

PROJECT No.	08-1428-0028/4200		FILE No.	0814280028-4200_3_00
DESIGN	JU	04JUL08	SCALE AS SHOWN	REV. 4
CADD	EA	04DEC08	4200-00	
CHECK	JU	24DEC08		
REVIEW	JCC	24DEC08		

LEGEND

- LAND-BASED TOPOGRAPHIC MAJOR CONTOURS INTERVAL 10m
- LAND-BASED TOPOGRAPHIC MINOR CONTOURS INTERVAL 2m
- SHORE LINE
- 2009 BAY-GOOSE DIKE CONSTRUCTION NORTH PORTION
- 2010 BAY-GOOSE DIKE CONSTRUCTION SOUTH PORTION

NOTES

1) ALL DIMENSIONS ARE IN METRES UNLESS OTHERWISE NOTED.
2) ALL ELEVATIONS ARE IN METRES ABOVE SEA LEVEL (MASL), UNLESS OTHERWISE NOTED.
3) GRID REFERENCE: NAD 83, UTM ZONE 14.
4) TOPOGRAPHIC CONTOUR INFORMATION ON LAND SUPPLIED BY AGNICO-EAGLE MINES LIMITED (AEM), MEADOWBANK DIVISION.
5) PROPOSED FINGER DIKES DESIGN IN PROGRESS. NOT SHOWN ON REMAINING DRAWINGS.
6) REFER TO DRAWING 4300-01 FOR AS-BUILT SOUTH PORTION OF BAY-GOOSE DIKE

REFERENCE

1) PORTAGE PIT DESIGN BY AEM, MARCH, 2009.
2) GOOSE ISLAND PIT DESIGN BY AEM, MAY, 2010.
3) ROAD AND MINE FACILITIES PROVIDED BY AEM, JANUARY, 2009.

DRAWING NO.	REFERENCES	REV	DATE	DES	REVISION DESCRIPTION	CADD	CHK	RVW
		1	15DEC12	KD	AS-BUILT	JD	GRB	FE
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		B	22MAY09	FE	REVISED ISSUED FOR TENDER	JK	DRW	MRJ
		C	08MAY09	FE	ISSUED FOR TENDER	JK	DRW	MRJ
		B	02FEB09	JU	ISSUED FOR REVIEW	SD	FE	JCC
		A	24DEC08	JU	ISSUED FOR REVIEW	SD	JU	JCC

STAMP

PROJECT

AEM

AGNICO-EAGLE MINES LIMITED
MEADOWBANK GOLD PROJECT
NUNAVUT

TITLE

BAY-GOOSE DIKE SITE PLAN

Golder Associates

PROJECT No.	08-1428-0028/4200		FILE No.	0814280028-4200_1_01
DESIGN	JU	01DEC08	SCALE AS SHOWN	REV. 1
CADD	EA	05DEC08	4200-01	
CHECK	JU	24DEC08		
REVIEW	JCC	24DEC08		

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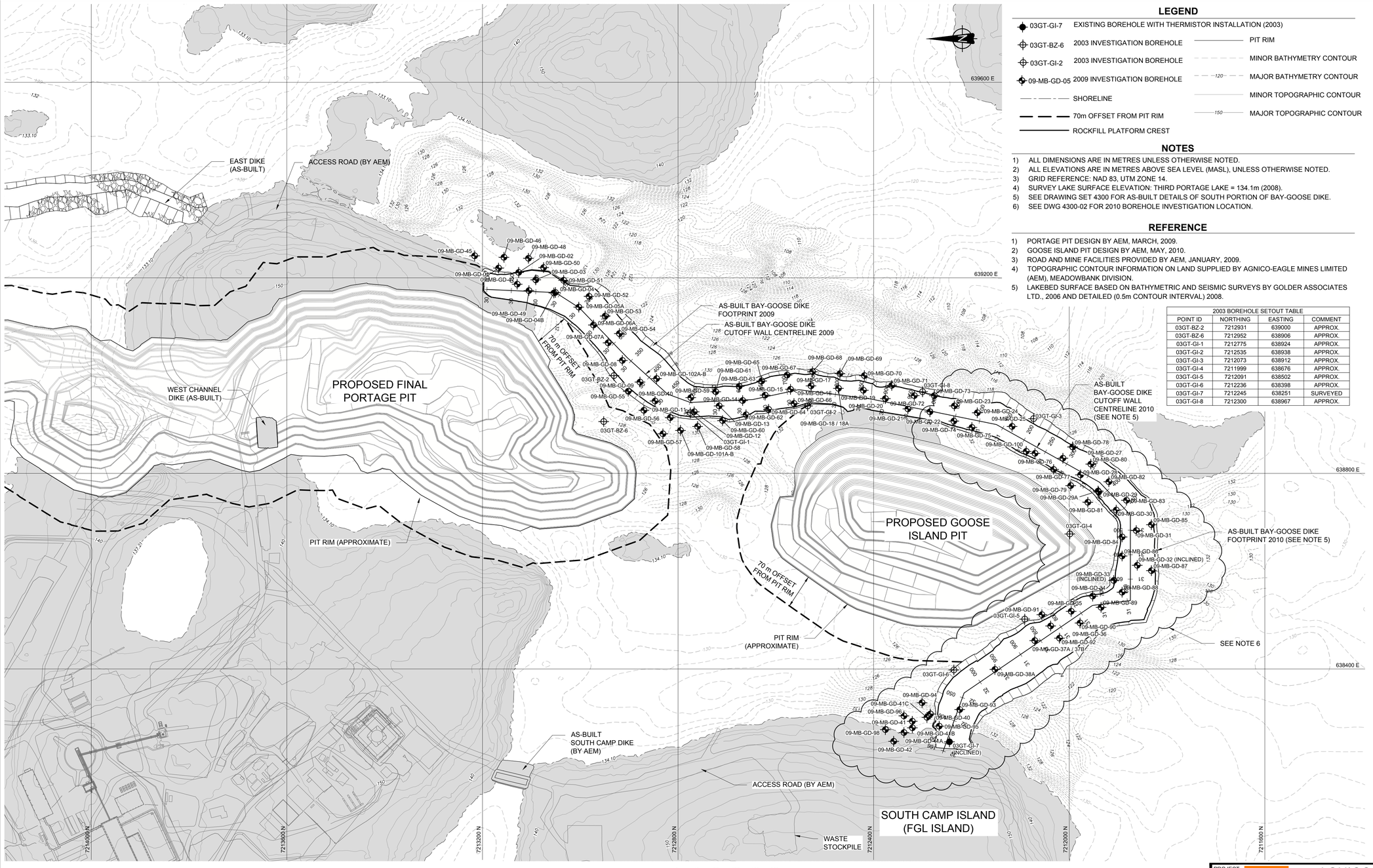

LEGEND

- 03GT-GI-7 — EXISTING BOREHOLE WITH THERMISTOR INSTALLATION (2003)
- 03GT-BZ-6 — 2003 INVESTIGATION BOREHOLE
- 03GT-GI-2 — 2003 INVESTIGATION BOREHOLE
- 09-MB-GD-05 — 2009 INVESTIGATION BOREHOLE
- SHORELINE
- 70m OFFSET FROM PIT RIM
- ROCKFILL PLATFORM CREST
- PIT RIM
- MINOR BATHYMETRY CONTOUR
- 120 — MAJOR BATHYMETRY CONTOUR
- MINOR TOPOGRAPHIC CONTOUR
- 150 — MAJOR TOPOGRAPHIC CONTOUR

NOTES

1) ALL DIMENSIONS ARE IN METRES UNLESS OTHERWISE NOTED.
2) ALL ELEVATIONS ARE IN METRES ABOVE SEA LEVEL (MASL), UNLESS OTHERWISE NOTED.
3) GRID REFERENCE: NAD 83, UTM ZONE 14.
4) SURVEY LAKE SURFACE ELEVATION: THIRD PORTAGE LAKE = 134.1m (2008).
5) SEE DRAWING SET 4300 FOR AS-BUILT DETAILS OF SOUTH PORTION OF BAY-GOOSE DIKE.
6) SEE DWG 4300-02 FOR 2010 BOREHOLE INVESTIGATION LOCATION.

REFERENCE

1) PORTAGE PIT DESIGN BY AEM, MARCH, 2009.
2) GOOSE ISLAND PIT DESIGN BY AEM, MAY, 2010.
3) ROAD AND MINE FACILITIES PROVIDED BY AEM, JANUARY, 2009.
4) TOPOGRAPHIC CONTOUR INFORMATION ON LAND SUPPLIED BY AGNICO-EAGLE MINES LIMITED (AEM), MEADOWBANK DIVISION.
5) LAKEBED SURFACE BASED ON BATHYMETRIC AND SEISMIC SURVEYS BY GOLDER ASSOCIATES LTD., 2006 AND DETAILED (0.5m CONTOUR INTERVAL) 2008.

2003 BOREHOLE SETOUT TABLE

POINT ID	NORTHING	EASTING	COMMENT
03GT-BZ-2	7212931	639000	APPROX.
03GT-BZ-6	7212952	638906	APPROX.
03GT-GI-1	7212775	638924	APPROX.
03GT-GI-2	7212535	638938	APPROX.
03GT-GI-3	7212073	638912	APPROX.
03GT-GI-4	7211999	638676	APPROX.
03GT-GI-5	7212091	638502	APPROX.
03GT-GI-6	7212236	638398	APPROX.
03GT-GI-7	7212245	638251	SURVEYED
03GT-GI-8	7212300	638967	APPROX.

2009 BOREHOLE COORDINATES TABLE

POINT ID	NORTHING	EASTING	COMMENT
09-MB-GD-01	7213167	639220	SURVEYED
09-MB-GD-02	7213126	639211	SURVEYED
09-MB-GD-03	7213091	639196	SURVEYED
09-MB-GD-04	7213051	639170	SURVEYED
09-MB-GD-04B	7213054	639169	SURVEYED
09-MB-GD-05A	7213003	639140	SURVEYED
09-MB-GD-06A	7212973	639103	SURVEYED
09-MB-GD-07A	7212943	639067	SURVEYED
09-MB-GD-08	7212914	639031	SURVEYED
09-MB-GD-09	7212878	638987	SURVEYED
09-MB-GD-10	7212847	638948	SURVEYED
09-MB-GD-11	7212816	638914	SURVEYED
09-MB-GD-12	7212767	638926	SURVEYED
09-MB-GD-13	7212716	638938	APPROX.
09-MB-GD-14	7212668	638949	SURVEYED
09-MB-GD-15	7212622	638960	SURVEYED
09-MB-GD-16	7212570	638972	SURVEYED
09-MB-GD-17	7212528	638979	APPROX.
09-MB-GD-18	7212471	638974	APPROX.
09-MB-GD-18A	7212472	638974	SURVEYED
09-MB-GD-19	7212421	638970	APPROX.
09-MB-GD-20	7212376	638953	APPROX.
09-MB-GD-21	7212330	638932	APPROX.
09-MB-GD-22	7212285	638926	APPROX.
09-MB-GD-23	7212235	638938	SURVEYED
09-MB-GD-24	7212188	638924	SURVEYED
09-MB-GD-25	7212117	638896	SURVEYED
09-MB-GD-27	7212013	638831	APPROX.
09-MB-GD-28	7211977	638797	APPROX.
09-MB-GD-29	7211940	638762	SURVEYED
09-MB-GD-29A	7211941	638764	SURVEYED
09-MB-GD-30	7211904	638725	SURVEYED
09-MB-GD-31	7211863	638683	SURVEYED
09-MB-GD-32	7211861	638612	SURVEYED
09-MB-GD-33	7211909	638581	SURVEYED
09-MB-GD-34	7211952	638549	SURVEYED
09-MB-GD-35	7211996	638518	SURVEYED
09-MB-GD-36	7212038	638488	SURVEYED
09-MB-GD-37A	7212070	638458	SURVEYED
09-MB-GD-37B	7212071	638460	SURVEYED
09-MB-GD-38A	7212152	638399	SURVEYED
09-MB-GD-40	7212284	638308	SURVEYED
09-MB-GD-41	7212321	638293	SURVEYED
09-MB-GD-41A	7212338	638270	SURVEYED
09-MB-GD-41B	7212298	638293	SURVEYED
09-MB-GD-41C	7212291	638301	SURVEYED
09-MB-GD-42	7212359	638252	SURVEYED
09-MB-GD-45	7213216	639245	SURVEYED
09-MB-GD-46	7213156	639242	SURVEYED
09-MB-GD-47	7213129	639187	SURVEYED
09-MB-GD-48	7213106	639240	SURVEYED
09-MB-GD-49	7213105	639174	SURVEYED
09-MB-GD-50	7213075	639221	SURVEYED
09-MB-GD-51	7213034	639195	SURVEYED
09-MB-GD-52	7212982	639162	SURVEYED
09-MB-GD-53	7212949	639122	SURVEYED
09-MB-GD-54	7212920	639086	SURVEYED
09-MB-GD-55	7212902	638968	SURVEYED
09-MB-GD-56	7212870	638929	SURVEYED
09-MB-GD-57	7212831	638881	SURVEYED
09-MB-GD-58	7212760	638896	SURVEYED
09-MB-GD-59	7212774	638955	SURVEYED
09-MB-GD-60	7212709	638908	SURVEYED
09-MB-GD-61	7212723	638967	SURVEYED
09-MB-GD-62	7212661	638920	SURVEYED
09-MB-GD-63	7212675	638978	SURVEYED
09-MB-GD-64	7212615	638931	SURVEYED
09-MB-GD-65	7212629	638989	SURVEYED
09-MB-GD-66	7212563	638943	SURVEYED
09-MB-GD-67	7212577	639001	SURVEYED
09-MB-GD-68	7212525	639008	SURVEYED
09-MB-GD-69	7212469	639004	SURVEYED
09-MB-GD-70	7212419	639000	SURVEYED
09-MB-GD-71	7212363	638980	SURVEYED
09-MB-GD-72	7212317	638959	SURVEYED
09-MB-GD-73	7212276	638959	SURVEYED
09-MB-GD-74	7212236	638907	SURVEYED
09-MB-GD-75	7212199	638894	SURVEYED
09-MB-GD-76	7212070	638841	SURVEYED
09-MB-GD-77	7212032	638808	SURVEYED
09-MB-GD-78	7211993	638854	SURVEYED
09-MB-GD-79	7211997	638775	SURVEYED
09-MB-GD-80	7211956	638819	SURVEYED
09-MB-GD-81	7211962	638741	SURVEYED
09-MB-GD-82	7211919	638783	SURVEYED
09-MB-GD-83	7211883	638745	SURVEYED
09-MB-GD-84	7211892	638670	SURVEYED
09-MB-GD-85	7211832	638695	SURVEYED
09-MB-GD-86	7211892	638631	SURVEYED
09-MB-GD-87	7211832	638601	SURVEYED
09-MB-GD-88	7211892	638557	SURVEYED
09-MB-GD-89	7211935	638526	SURVEYED
09-MB-GD-90	7211978	638494	SURVEYED
09-MB-GD-91	7212056	638511	SURVEYED
09-MB-GD-92	7212020	638463	SURVEYED
09-MB-GD-93	7212224	638317	SURVEYED
09-MB-GD-94	7212301	638331	SURVEYED
09-MB-GD-95	7212266	638283	SURVEYED
09-MB-GD-96	7212338	638304	SURVEYED
09-MB-GD-98	7212376	638276	SURVEYED
09-MB-GD-100	7212088	638845	SURVEYED
09-MB-GD-101A-B	7212795	638888	APPROX.
09-MB-GD-102A-B	7212844	638994	SURVEYED

0 40 80 120 160 200
SCALE: A

PROJECT

AEM

AGNICO-EAGLE MINES LIMITED
MEADOWBANK GOLD PROJECT
NUNAVUT

TITLE

BAY-GOOSE DIKE BOREHOLE LOCATION PLAN

Golder Associates

PROJECT No.	08-1428-0028/4200	FILE No.	0814280028-4200_1_02
DESIGN	JU	04JUL08	SCALE AS SHOWN REV. 1
CADD	EA	05DEC08	4200-02
CHECK	JU	24DEC08	
REVIEW	JCC	24DEC08	

STAMP

REV	DATE	DES	REVISION DESCRIPTION	CADD	CHK	RVW
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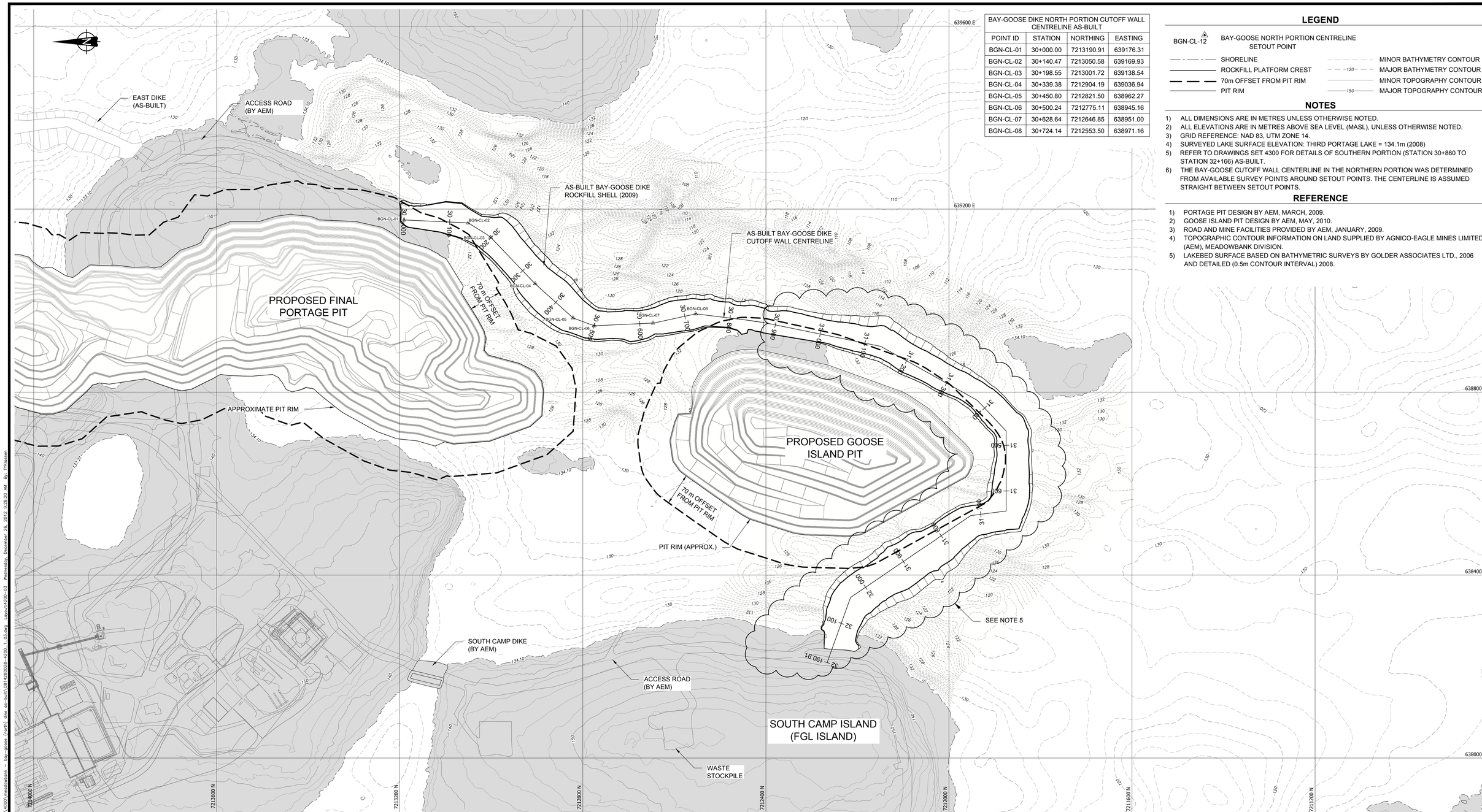
0	17JUL09	FE	ISSUED FOR CONSTRUCTION	EA	FE	MRJ
D	22MAY09	FE	REVISED ISSUED FOR TENDER	MSH	DRW	MRJ
C	08MAY09	FE	ISSUED FOR TENDER	JK	DRW	MRJ
B	02FEB09	JU	ISSUED FOR REVIEW	EA	FE	JCC
A	24DEC08	JU	ISSUED FOR REVIEW	SD	JU	JCC

DRAWING NO. | REFERENCES

Drawing File: N:\Corporate\Projects\2000\1428\00-1428-0028\Drafting\4200\revisions\ - bay-goose (north) dike as-built\08142800 28-4200-1_02.dwg Layout:4200-02 Wednesday, December 26, 2012 9:27:13 AM By: TKhosravi



BAY-GOOSE DIKE NORTH PORTION CUTOFF WALL CENTRELINE AS-BUILT			
POINT ID	STATION	NORTHING	EASTING
BGN-CL-01	30+000.00	7213190.91	639176.31
BGN-CL-02	30+140.47	7213050.58	639169.93
BGN-CL-03	30+198.55	7213001.72	639138.54
BGN-CL-04	30+339.38	7212904.19	639036.94
BGN-CL-05	30+450.80	7212821.50	638962.27
BGN-CL-06	30+500.24	7212775.11	638945.16
BGN-CL-07	30+628.64	7212646.85	638951.00
BGN-CL-08	30+724.14	7212553.50	638971.16

LEGEND

BGN-CL-12 — BAY-GOOSE NORTH PORTION CENTRELINE SETOUT POINT

- SHORELINE
- ROCKFILL PLATFORM CREST
- 70m OFFSET FROM PIT RIM
- PIT RIM
- MINOR BATHYMETRY CONTOUR
- 120 — MAJOR BATHYMETRY CONTOUR
- MINOR TOPOGRAPHY CONTOUR
- 150 — MAJOR TOPOGRAPHY CONTOUR

NOTES

1) ALL DIMENSIONS ARE IN METRES UNLESS OTHERWISE NOTED.
2) ALL ELEVATIONS ARE IN METRES ABOVE SEA LEVEL (MASL), UNLESS OTHERWISE NOTED.
3) GRID REFERENCE: NAD 83, UTM ZONE 14.
4) SURVEYED LAKE SURFACE ELEVATION: THIRD PORTAGE LAKE = 134.1m (2008)
5) REFER TO DRAWINGS SET 4300 FOR DETAILS OF SOUTHERN PORTION (STATION 30+860 TO STATION 32+166) AS-BUILT.
6) THE BAY-GOOSE CUTOFF WALL CENTERLINE IN THE NORTHERN PORTION WAS DETERMINED FROM AVAILABLE SURVEY POINTS AROUND SETOUT POINTS. THE CENTERLINE IS ASSUMED STRAIGHT BETWEEN SETOUT POINTS.

REFERENCE

1) PORTAGE PIT DESIGN BY AEM, MARCH, 2009.
2) GOOSE ISLAND PIT DESIGN BY AEM, MAY, 2010.
3) ROAD AND MINE FACILITIES PROVIDED BY AEM, JANUARY, 2009.
4) TOPOGRAPHIC CONTOUR INFORMATION ON LAND SUPPLIED BY AGNICO-EAGLE MINES LIMITED (AEM), MEADOWBANK DIVISION.
5) LAKEBED SURFACE BASED ON BATHYMETRIC SURVEYS BY GOLDER ASSOCIATES LTD., 2006 AND DETAILED (0.5m CONTOUR INTERVAL) 2008.

PROJECT

AEM

AGNICO-EAGLE MINES LIMITED
MEADOWBANK GOLD PROJECT
NUNAVUT

TITLE

BAY-GOOSE DIKE CUTOFF WALL CENTRELINE SETOUT PLAN

Golder Associates

PROJECT No.	08-1428-0028/4200		FILE No. 0814280028-4200_1_03
DESIGN	JU	04JUL08	SCALE AS SHOWN REV. 1
CADD	EA	05DEC08	4200-03
CHECK	JU	24DEC08	
REVIEW	JCC	24DEC08	

STAMP

REV	DATE	DES	REVISION DESCRIPTION	CADD	CHK	RVW
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0	17JUL09	FE	ISSUED FOR CONSTRUCTION	EA	FE	MRJ
D	22MAY09	FE	REVISED ISSUED FOR TENDER	MSH	DRW	MRJ
C	08MAY09	FE	ISSUED FOR TENDER	JK	DRW	MRJ
B	02FEB09	JU	ISSUED FOR REVIEW	EA	FE	JCC
A	24DEC08	JU	ISSUED FOR REVIEW	EA	JU	JCC

DRAWING NO. | REFERENCES

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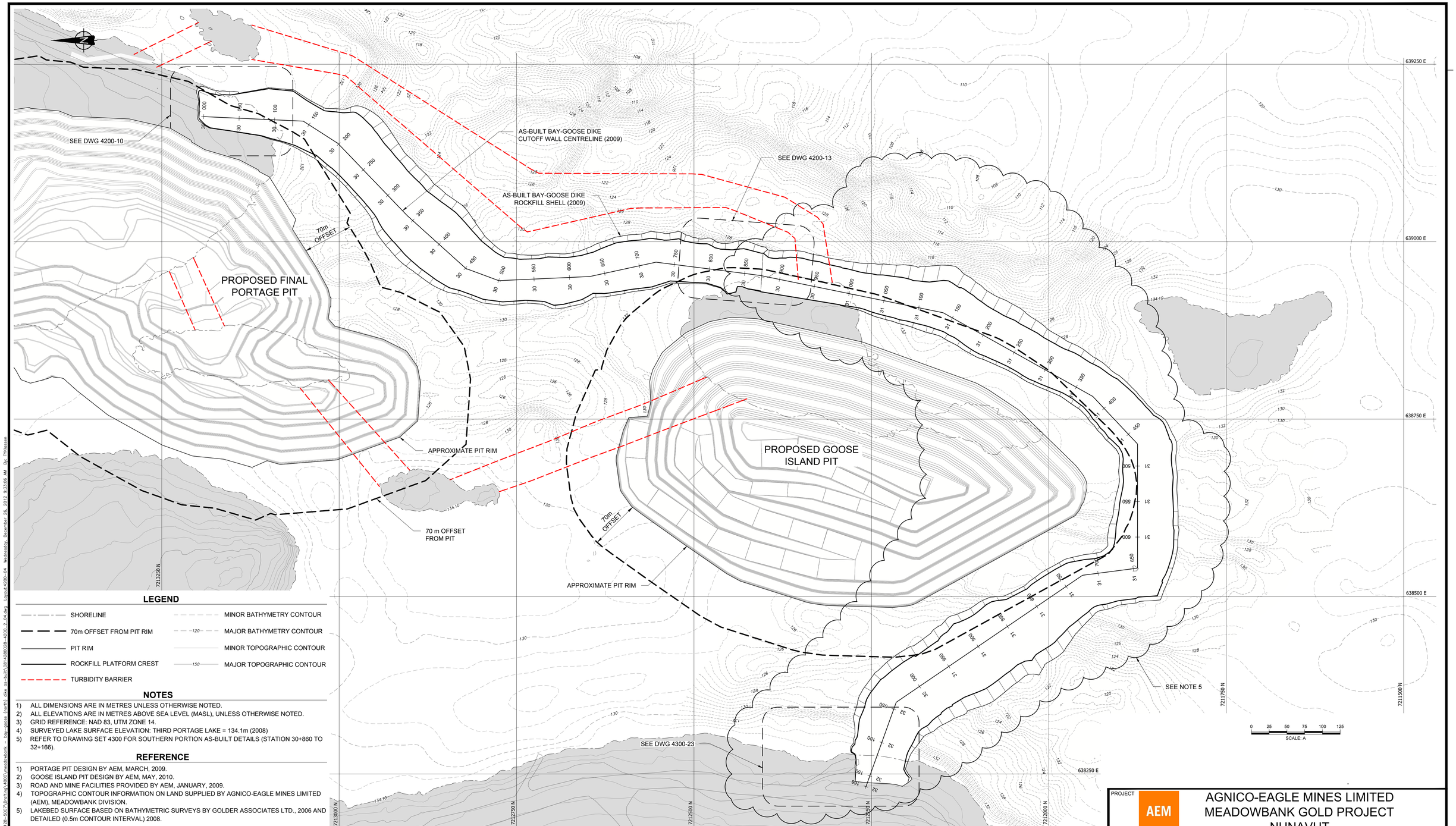


LEGEND

- SHORELINE
- 70m OFFSET FROM PIT RIM
- PIT RIM
- ROCKFILL PLATFORM CREST
- TURBIDITY BARRIER
- MINOR BATHYMETRY CONTOUR
- MAJOR BATHYMETRY CONTOUR
- MINOR TOPOGRAPHIC CONTOUR
- MAJOR TOPOGRAPHIC CONTOUR

NOTES

1) ALL DIMENSIONS ARE IN METRES UNLESS OTHERWISE NOTED.
2) ALL ELEVATIONS ARE IN METRES ABOVE SEA LEVEL (MASL), UNLESS OTHERWISE NOTED.
3) GRID REFERENCE: NAD 83, UTM ZONE 14.
4) SURVEYED LAKE SURFACE ELEVATION: THIRD PORTAGE LAKE = 134.1m (2008)
5) REFER TO DRAWING SET 4300 FOR SOUTHERN PORTION AS-BUILT DETAILS (STATION 30+860 TO 32+166).

REFERENCE

1) PORTAGE PIT DESIGN BY AEM, MARCH, 2009.
2) GOOSE ISLAND PIT DESIGN BY AEM, MAY, 2010.
3) ROAD AND MINE FACILITIES PROVIDED BY AEM, JANUARY, 2009.
4) TOPOGRAPHIC CONTOUR INFORMATION ON LAND SUPPLIED BY AGNICO-EAGLE MINES LIMITED (AEM), MEADOWBANK DIVISION.
5) LAKEBED SURFACE BASED ON BATHYMETRIC SURVEYS BY GOLDER ASSOCIATES LTD., 2006 AND DETAILED (0.5m CONTOUR INTERVAL) 2008.

DRAWING NO.	REFERENCES	REV	DATE	DES	REVISION DESCRIPTION	CADD	CHK	RVW
		2	15DEC12	KD	AS-BUILT	JD	GRB	FE
		1	31JUL09	FE	REVISED ROCKFILL CREST WIDTH	JK	FE	MRJ
		0	17JUL09	FE	ISSUED FOR CONSTRUCTION	EA	FE	MRJ
		D	22MAY09	FE	REVISED ISSUED FOR TENDER	JK/MSH	DRW	MRJ
		C	08MAY09	FE	ISSUED FOR TENDER	JK	DRW	MRJ
		B	02FEB09	JU	ISSUED FOR REVIEW	SD	FE	JCC
		A	24DEC08	JU	ISSUED FOR REVIEW	SD	JU	JCC

STAMP

PROJECT

AEM

AGNICO-EAGLE MINES LIMITED
MEADOWBANK GOLD PROJECT
NUNAVUT

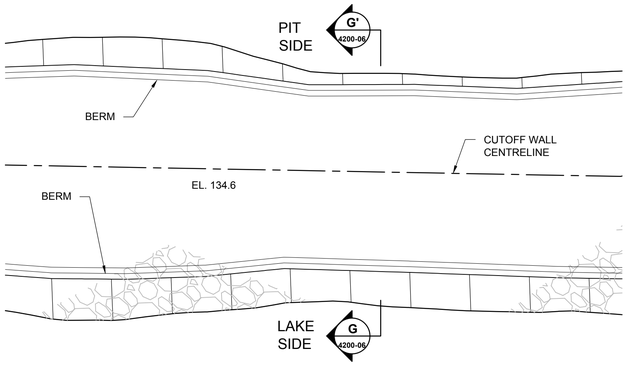
TITLE

BAY-GOOSE DIKE
INITIAL ROCKFILL AND TURBIDITY BARRIERS LAYOUT PLAN

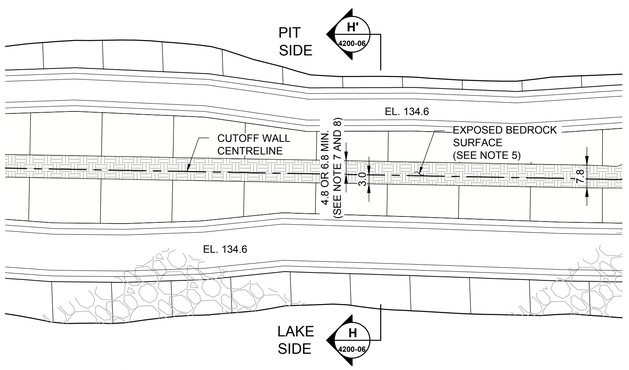
Golder Associates

PROJECT No.	08-1428-0028/4200		FILE No.	0814280028-4200_2_04
DESIGN	JU	04JUL08	SCALE AS SHOWN	REV. 2
CADD	EA	05DEC08		
CHECK	JU	24DEC08	4200-04	
REVIEW	JCC	24DEC08		

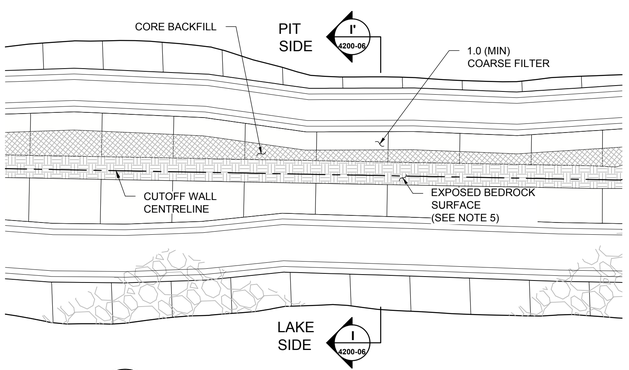
Drawing File: N:\Non-graphics\Projects\3000\1428\08-1428-0028\Drafting\4200\mandachute - bay goose (north) (Grx as at 3/31/09)\0814280028-4200_2_04.dwg Layout:4200-04 Wednesday, December 26, 2012 9:31:06 AM By: 700Hassen



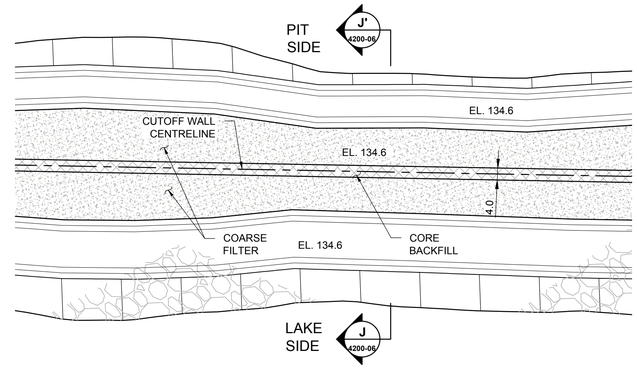
1 INITIAL ROCKFILL PLACEMENT PLAN
SCALE: A



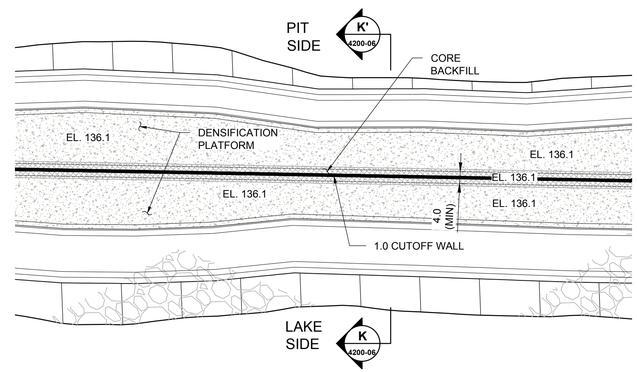
2 EXCAVATION TO BEDROCK PLAN
SCALE: A



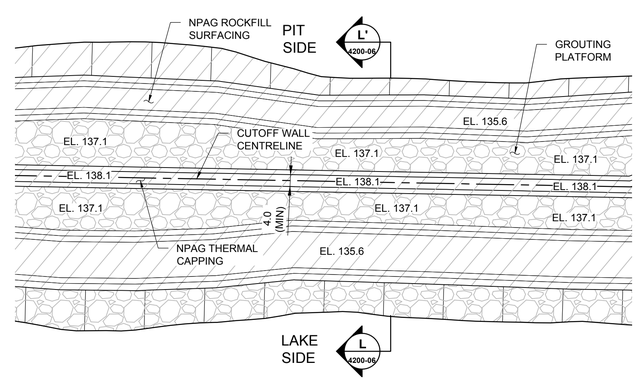
3 CORE BACKFILL PLACEMENT PLAN
SCALE: A



4 CORE BACKFILL AND COARSE FILTER PLACEMENT PLAN
SCALE: A



5 DENSIFICATION PLATFORM AND CUTOFF WALL PLACEMENT PLAN
SCALE: A



6 ROCKFILL SURFACING AND GROUTING PLATFORM PLACEMENT PLAN
SCALE: A

LEGEND

- BEDROCK
- COARSE FILTER
- CORE BACKFILL
- NPAG ROCKFILL SURFACING AND THERMAL CAP
- ROCKFILL
- CUTOFF WALL

NOTES

1) ALL DIMENSIONS ARE IN METRES UNLESS OTHERWISE NOTED.
2) ALL ELEVATIONS ARE IN METRES ABOVE SEA LEVEL (MASL), UNLESS OTHERWISE NOTED.
3) NPAG ROCKFILL SURFACING ON DOWNSTREAM SLOPE TO BE PLACED BY AEM FOLLOWING DEWATERING. PLACEMENT IN PROGRESS AS OF APRIL 2013.
4) GEOCHEMICAL CLASSIFICATION OF NPAG MATERIALS IS THE RESPONSIBILITY OF AEM.
5) EXCAVATION TO COMPETENT BEDROCK SURFACE APPROVED BY ENGINEER FOR NORTHERN PORTION OF THE DIKE (STA 30+000 TO STA 30+860).
6) ALL ICE RICH MATERIAL BENEATH CUTOFF WALL EXCAVATED.
7) DOWNSTREAM EXCAVATION WIDTH WAS 4.8 MIN. WHERE THE BEDROCK ELEVATION WAS ABOVE 129.1 AND 6.8 MIN. WHERE THE ELEVATION WAS LESS THAN 129.1.
8) DOWNSTREAM EXCAVATION WIDTH OF 4.8 APPLIED TO:

STATION	
30+000	30+140
30+475	30+860

9) THERMAL CAP TO BE PLACED BY AEM. PLACEMENT IN PROGRESS AS OF APRIL 2013.

0 10 20 30 40 50
SCALE: A

REV	DATE	DES	REVISION DESCRIPTION	CADD	CHK	RVW
2	15DEC12	KD	AS-BUILT	JD	GRB	FE
1	31JUL09	FE	REVISED COARSE FILTER PLAN	JK	FE	MRJ
0	17JUL09	FE	ISSUED FOR CONSTRUCTION	EA	FE	MRJ
D	22MAY09	FE	REVISED ISSUED FOR TENDER	JK	DRW	MRJ
C	08MAY09	FE	ISSUED FOR TENDER	JK	DRW	MRJ
B	02FEB09	JU	ISSUED FOR REVIEW	SD	FE	JCC
A	24DEC08	JU	ISSUED FOR REVIEW	SD	JU	JCC

DRAWING NO. | REFERENCES

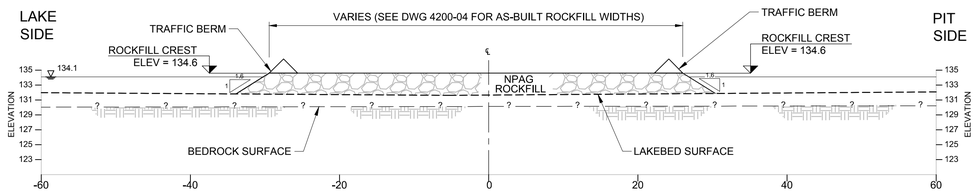
STAMP

PROJECT
AEM
AGNICO-EAGLE MINES LIMITED
MEADOWBANK GOLD PROJECT
NUNAVUT

TITLE
BAY-GOOSE DIKE
TYPICAL MATERIAL PLACEMENT PLAN

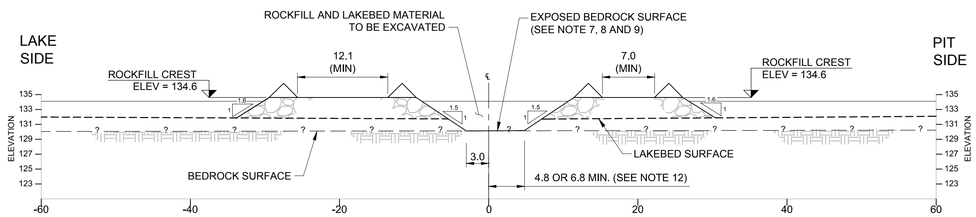
Golder Associates

PROJECT No.	08-1428-0028/4200		FILE No.	0814280028-4200_2_05
DESIGN	JU	04JUL08	SCALE AS SHOWN	REV. 2
CADD	EA	05DEC08	4200-05	
CHECK	JU	24DEC08		
REVIEW	JCC	24DEC08		



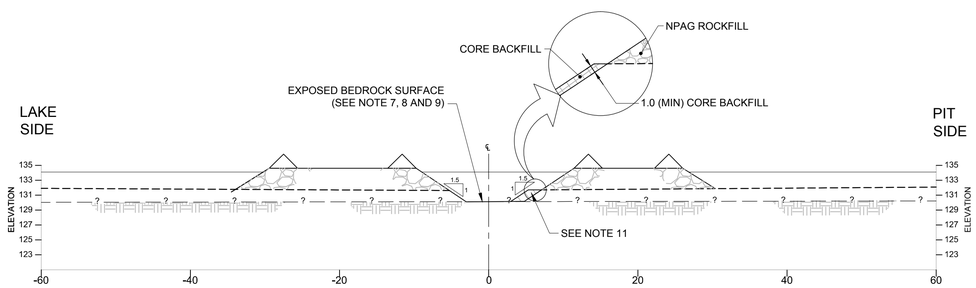
G-G' 4200-05 INITIAL ROCKFILL PLACEMENT SECTION

SCALE: A



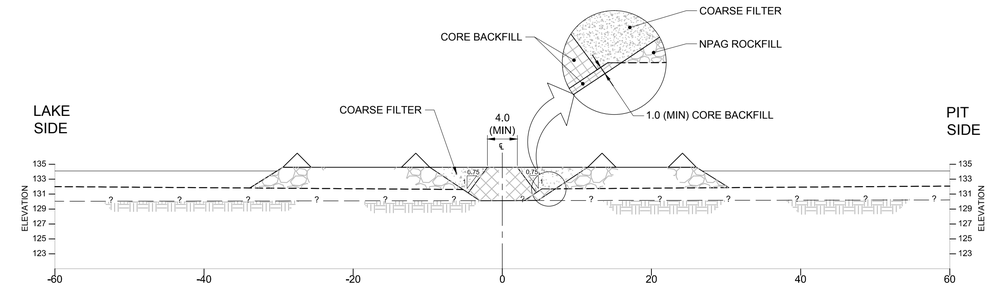
H-H' 4200-05 EXCAVATION TO BEDROCK SECTION

SCALE: A



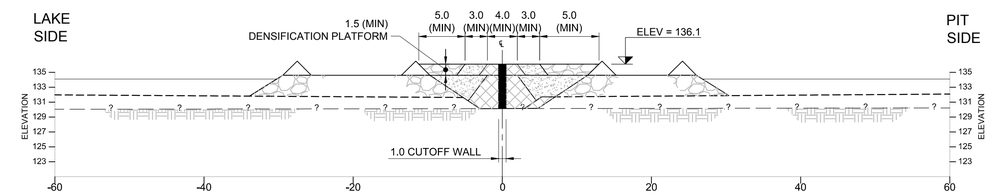
I-I' 4200-05 CORE BACKFILL PLACEMENT SECTION

SCALE: A



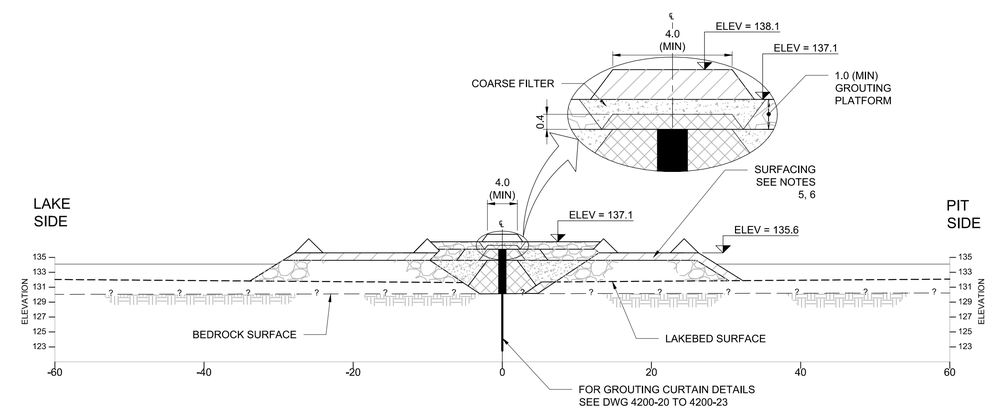
J-J' 4200-05 CORE BACKFILL AND COARSE FILTER PLACEMENT SECTION

SCALE: A



K-K' 4200-05 DENSIFICATION PLATFORM AND CUTOFF WALL PLACEMENT SECTION

SCALE: A



L-L' 4200-05 ROCKFILL SURFACING AND GROUTING PLATFORM PLACEMENT SECTION

SCALE: A

NOTES

1) ALL DIMENSIONS ARE IN METRES UNLESS OTHERWISE NOTED.
2) ALL ELEVATIONS ARE IN METRES ABOVE SEA LEVEL (MASL), UNLESS OTHERWISE NOTED.
3) LAKEBED SURFACE BASED ON BATHYMETRIC SURVEY BY GOLDER ASSOCIATES LTD. 2008. DEPTH TO LAKEBED AND BEDROCK BENEATH CUTOFF WALL CENTRELINE INFERRED, BASED ON GEOTECHNICAL INVESTIGATIONS.
4) WIDTH OF ROCKFILL ADJUSTED IN FIELD TO SUIT CONDITIONS.
5) NPAG ROCKFILL SURFACING ON DOWNSTREAM SLOPE TO BE PLACED BY AEM FOLLOWING DEWATERING. PLACEMENT IN PROGRESS AS OF APRIL 2013.
6) GEOCHEMICAL CLASSIFICATION OF NPAG MATERIALS WAS THE RESPONSIBILITY OF AEM.
7) EXCAVATION TO COMPETENT BEDROCK SURFACE APPROVED BY ENGINEER BETWEEN STA. 30+000 AND STA. 30+860.
8) ALL ICE RICH MATERIAL BENEATH THE CUTOFF WALL WAS EXCAVATED BETWEEN STA. 30+000 AND 30+860.
9) BEDROCK AND LAKEBED SURFACES ARE SHOWN AS SMOOTH LINES FOR ILLUSTRATIVE PURPOSES.
10) MATERIAL PLACEMENT ANGLES FOR THE COARSE FILTER AND CORE BACKFILL ARE APPROXIMATE.
11) LATERAL PLACEMENT OF CORE BACKFILL ON THE DOWNSTREAM SIDE OF THE EXCAVATION WAS REQUIRED IN ADVANCE OF THE PROGRESSIVE BACKFILLING OF CORE BACKFILL AND COARSE FILTER.
12) DOWNSTREAM EXCAVATION WIDTH WAS 4.8 MINIMUM WHERE THE BEDROCK ELEVATION WAS ABOVE 129.1 AND 6.8 MINIMUM ELSEWHERE.
13) THERMAL CAP AND ROCKFILL SURFACING TO BE PLACED BY AEM. PLACEMENT IN PROGRESS AS OF APRIL 2013.

LEGEND

- INFERRED BEDROCK
- COARSE FILTER / DENSIFICATION PLATFORM
- CORE BACKFILL
- NPAG ROCKFILL SURFACING AND THERMAL CAP
- ROCKFILL
- CUTOFF WALL (SOIL BENTONITE AND/OR CEMENT SOIL BENTONITE)

0 4 8 12 16 20
SCALE: A

DRAWING NO.	REFERENCES	REV	DATE	DES	REVISION DESCRIPTION	CADD	CHK	RVW
		2	15DEC12	KD	AS-BUILT	JD	GRB	FE
		1	31JUL09	FE	REVISED SECTIONS FOR CORE BACKFILL	JK	FE	MRJ
		0	17JUL09	FE	ISSUED FOR CONSTRUCTION	EA	FE	MRJ
		D	22MAY09	FE	REVISED ISSUED FOR TENDER	JK	DRW	MRJ
		C	08MAY09	FE	ISSUED FOR TENDER	JK	DRW	MRJ
		B	02FEB09	JU	ISSUED FOR REVIEW	EA	FE	JCC
		A	24DEC08	JU	ISSUED FOR REVIEW	EA	JU	JCC

STAMP

PROJECT

AEM

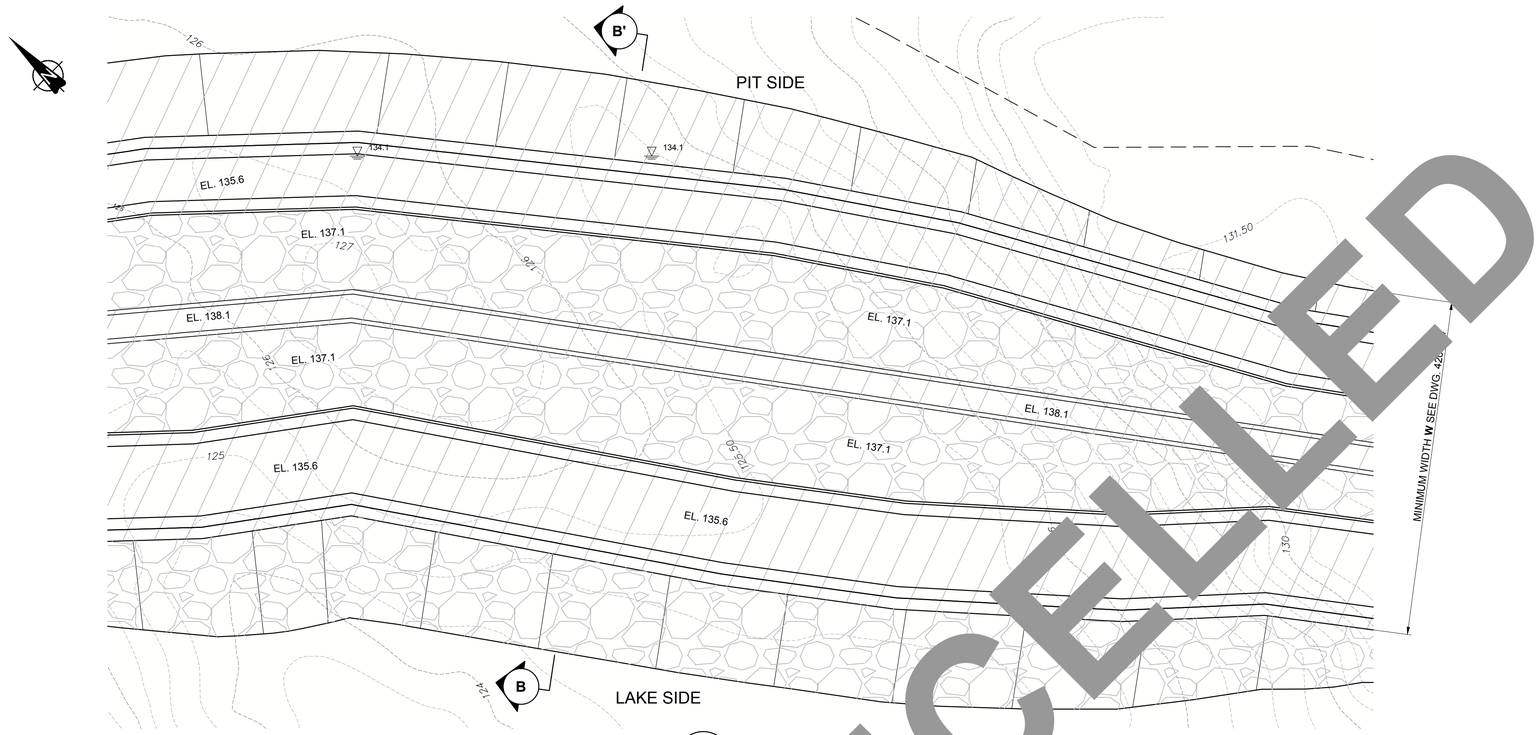
AGNICO-EAGLE MINES LIMITED
MEADOWBANK GOLD PROJECT
NUNAVUT

TITLE

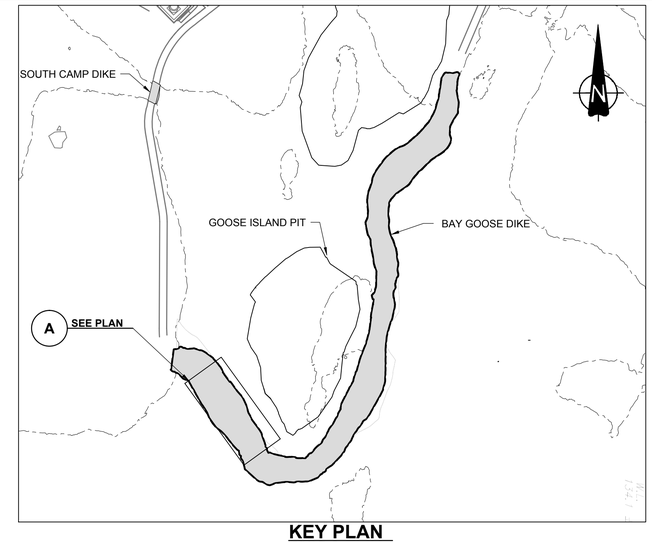
BAY-GOOSE DIKE
TYPICAL MATERIAL PLACEMENT SECTIONS (NORTH PORTION)

Golder Associates

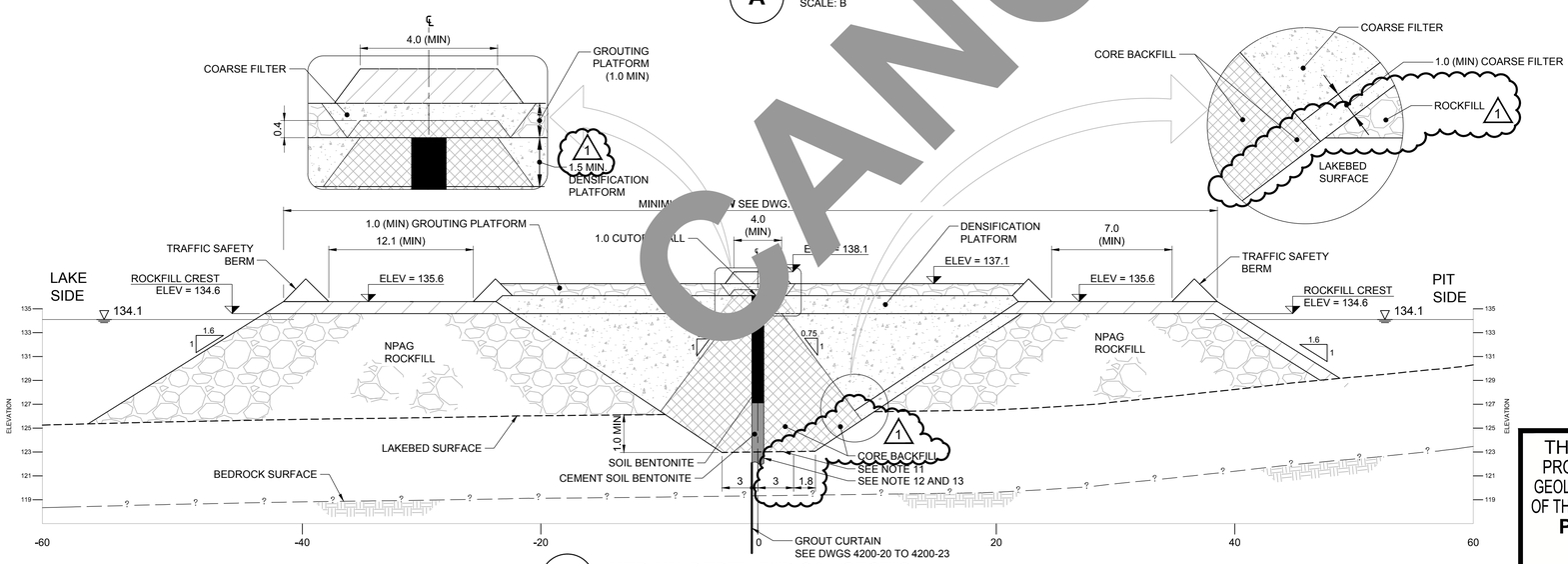
PROJECT No.	08-1428-0028/4200		FILE No.	0814280028-4200_2_06	
DESIGN	JU	04JUL08	SCALE	AS SHOWN	REV. 2
CADD	AS	03DEC08	4200-06		
CHECK	JU	24DEC08			
REVIEW	JCC	24DEC08			



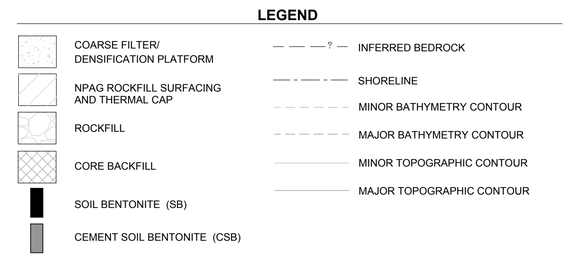
A MEDIUM DEPTH TYPICAL PLAN
SCALE: B



KEY PLAN
SCALE: C



B-B' MEDIUM DEPTH TYPICAL SECTION
SCALE: A



LEGEND

- COARSE FILTER/ DENSIFICATION PLATFORM
- NPAG ROCKFILL SURFACING AND THERMAL CAP
- ROCKFILL
- CORE BACKFILL
- SOIL BENTONITE (SB)
- CEMENT SOIL BENTONITE (CSB)
- INFERRED BEDROCK
- SHORELINE
- MINOR BATHYMETRY CONTOUR
- MAJOR BATHYMETRY CONTOUR
- MINOR TOPOGRAPHIC CONTOUR
- MAJOR TOPOGRAPHIC CONTOUR

NOTES

1) ALL DIMENSIONS ARE IN METERS UNLESS OTHERWISE NOTED.
2) ALL ELEVATIONS ARE IN METERS ABOVE SEA LEVEL (MASL), UNLESS OTHERWISE NOTED.
3) GRID REFERENCE: NAD 83, UTM ZONE 14.
4) LAKEBED SURFACE BASED ON BATHYMETRIC SURVEY BY GOLDER ASSOCIATES LTD. 2008. DEPTH TO LAKEBED AND BEDROCK BENEATH CUTOFF WALL CENTRELINE INFERRED BASED ON GEOTECHNICAL INVESTIGATIONS. BEDROCK SURFACE INFORMATION TO BE UPDATED FOR THE SOUTHERN PORTION (STATION 31+000 TO STATION 32+213.69) OF THE DIKE FOLLOWING COMPLETION OF THE 2009/2010 INVESTIGATION PROGRAM (BY ENGINEER).
5) NPAG ROCKFILL SURFACING AND THERMAL CAP TO BE PLACED BY AEM. SURFACING ON DOWNSTREAM SLOPE TO BE PLACED FOLLOWING DEWATERING. PLACEMENT IN PROGRESS AS OF APRIL 2013.
6) GEOCHEMICAL CLASSIFICATION OF NPAG MATERIALS IS THE RESPONSIBILITY OF AEM.
7) USE OF COARSE FILTER AGAINST PIT SIDE FACE OF EXCAVATION IS REQUIRED, UNLESS APPROVED IN WRITING BY THE ENGINEER.
8) ALL SLOPES SHOWN ARE NOMINAL VALUES.
9) ADDITIONAL ROCKFILL MAY BE REQUIRED TO MAINTAIN HAUL ROAD MINIMUM WIDTH.
10) WIDTH OF ROCKFILL TO BE ADJUSTED IN FIELD TO SUIT CONDITIONS. ADDITIONAL WIDTH MAY BE REQUIRED TO PROVIDE STABLE UPSTREAM EXCAVATION SLOPE.
11) EXCAVATION FOR NORTHERN PORTION OF THE DIKE TO BE TO COMPETENT BEDROCK SURFACE, APPROVED BY ENGINEER (STATION 30+000 TO 31+000).
12) EXCAVATION FOR SOUTHERN PORTION OF THE DIKE (STATION 31+000 TO 32+213.69) TO BE TO COMPETENT BEDROCK SURFACE OR COMPETENT LAKEBED SOILS, TO BE APPROVED BY ENGINEER.
13) PARTIAL CUTOFF SHOWN FOR SOUTHERN PORTION OF THE DIKE. DEPTH OF CUTOFF TO BE CONFIRMED BASED ON 2009/2010 GEOTECHNICAL INVESTIGATIONS (BY ENGINEER).
14) MATERIAL PLACEMENT ANGLES FOR THE COARSE FILTER AND CORE BACKFILL ARE APPROXIMATE.
15) BEDROCK AND LAKEBED SURFACES ARE SHOWN AS SMOOTH LINES FOR ILLUSTRATIVE PURPOSES. CONTRACTOR SHOULD ANTICIPATE UNDULATING AND UNEVEN SURFACES.
16) THIS DESIGN SECTION WILL APPLY IN MEDIUM DEPTH AREAS WHERE DEPTH OF BEDROCK IS AT OR BELOW ELEVATION 126.
17) IF SLURRY WALL TO BE CONSTRUCTED BELOW ELEVATION 126.0 A CEMENT SOIL BENTONITE (CSB) SLURRY SHALL BE USED AT THE BASE OF THE WALL. THE CSB SHALL EXTEND TO 127.0 OR HIGHER AND SHOULD BE CONSTRUCTED IN SUCH A WAY AS TO AVOID THE PRESENCE OF ABRUPT CHANGE, WEAK ZONE, OR JOINT AT INTERFACE BETWEEN SB AND CSB.

THE ASSOCIATION OF PROFESSIONAL ENGINEERS, GEOLOGISTS and GEOPHYSICISTS OF THE NORTHWEST TERRITORIES
PERMIT NUMBER P 049
GOLDER ASSOCIATES LTD.

PROJECT
AGNICO-EAGLE MINES LIMITED
MEADOWBANK GOLD PROJECT
NUNAVUT

TITLE
BAY-GOOSE DIKE TYPICAL MEDIUM DEPTH PLAN AND SECTION

STAMP
ORIGINAL SIGNED AND SEALED

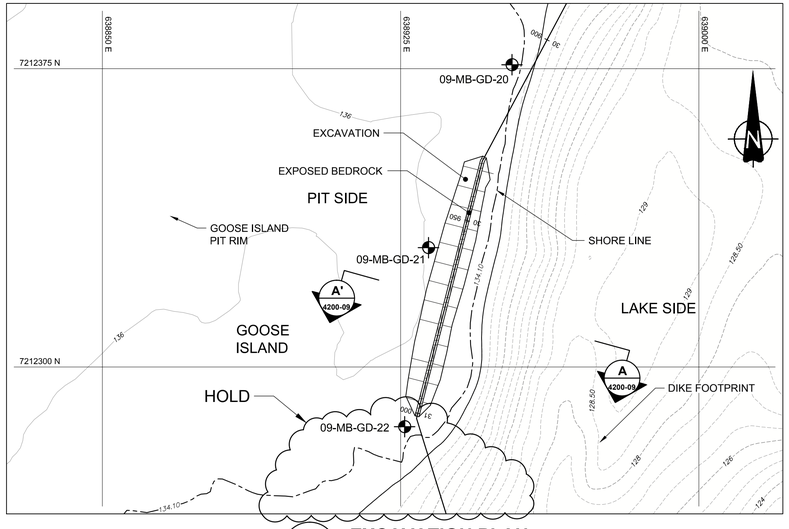
DRAWING NO.	REFERENCES
4200-04	INITIAL ROCKFILL LAYOUT PLAN
4200-06	TYPICAL SHALLOW DEPTH MATERIAL PLACEMENT SECTIONS
4200-14, 4200-15, 4200-16	CROSS SECTIONS (1 OF 3), (2 OF 3), (3 OF 3)
4200-18	LONGITUDINAL SECTION
4200-20	GROUTING WORK AREAS - PLAN
4200-21	GROUTING WORK AREAS - PROFILE
4200-22	GROUTING DETAILS
4200-23	GROUTING PROCEDURE PERFORATED CASING AND TAM

REV	DATE	DES	REVISION DESCRIPTION	CADD	CHK	RVW
2	03APR13	FE	CANCELLED	TK		
1	31JUL09	FE	REVISED MEDIUM DEPTH SECTION	JK		
0	17JUL09	FE	ISSUED FOR CONSTRUCTION	MSH	FE	MRJ
D	22MAY09	FE	REVISED ISSUED FOR TENDER	JK	DRW	MRJ
C	08MAY09	FE	ISSUED FOR TENDER	JK	DRW	MRJ
B	02FEB09	JU	ISSUED FOR REVIEW	EA	FE	JCC
A	24DEC08	JU	ISSUED FOR REVIEW	EA	JU	JCC

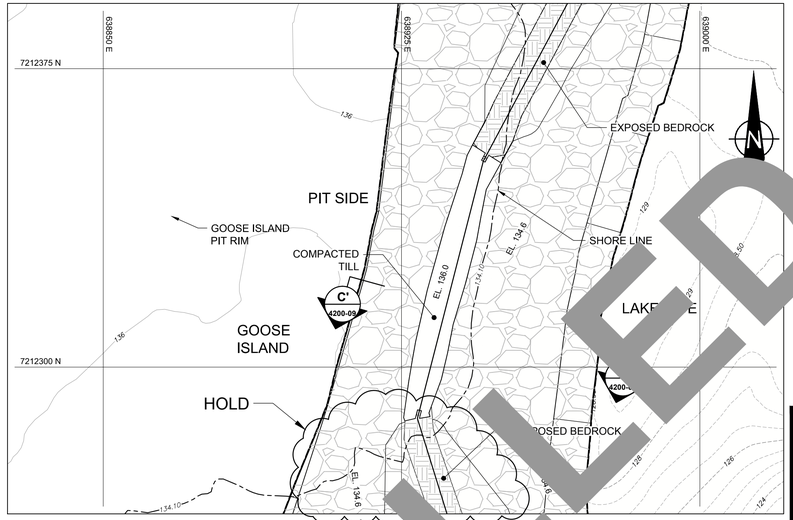
Golder Associates

PROJECT No.	08-1428-0028/4200		FILE No.	0814280028-4200_1_07
DESIGN	JU	04JUL08	SCALE	AS SHOWN REV. 2
CADD	EA	03DEC08	4200-07	
CHECK				
REVIEW				

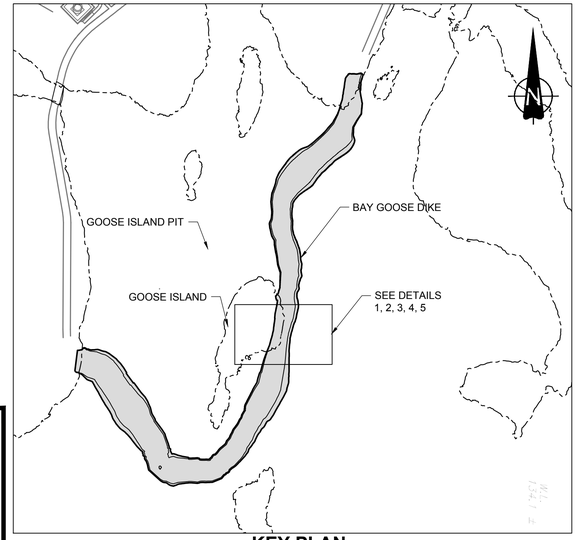
REVISION DATE: 4/8/2013 3:54:04 PM By: TKVLASSEN CADD FILE: N:\bur-graphics\Projects\2009\1428\09-1428-5007\Drafting\4000\meadowbank - Bay-goose (north) Dike As-built\0814280028-4200_1_07.dwg



1 **EXCAVATION PLAN**
SCALE: A

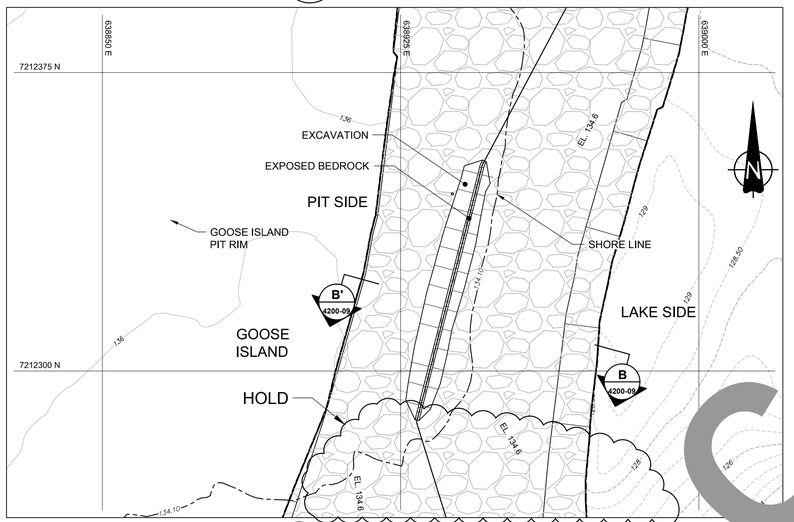


3 **COMPACTED TILL PLACEMENT PLAN**
SCALE: A

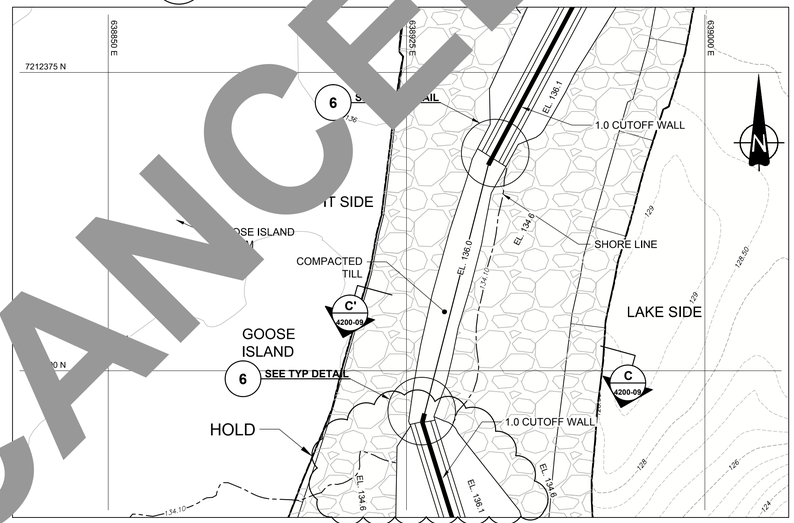


KEY PLAN
SCALE: B

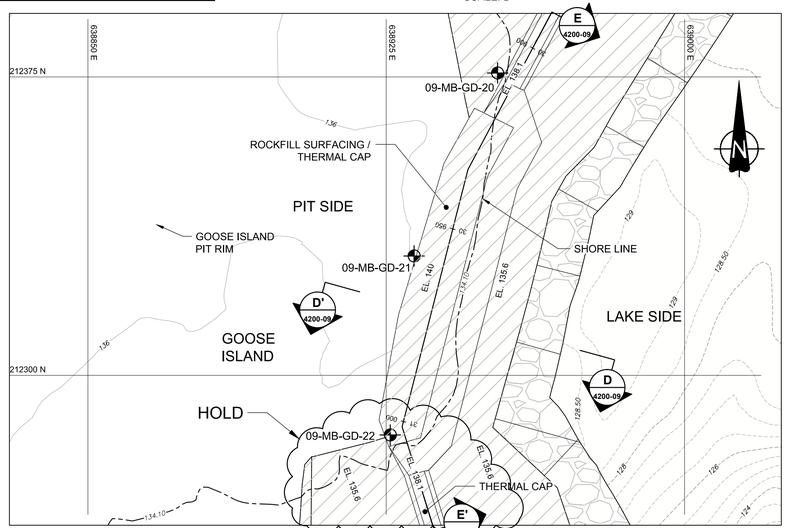
THE ASSOCIATION OF PROFESSIONAL ENGINEERS, GEOLOGISTS and GEOPHYSICISTS OF THE NORTHWEST TERRITORIES
PERMIT NUMBER
P 049
GOLDER ASSOCIATES LTD.



2 **ROCKFILL PLACEMENT PLAN**
SCALE: A



4 **CUTOFF WALL TIE-IN TO TILL PLAN**
SCALE: A



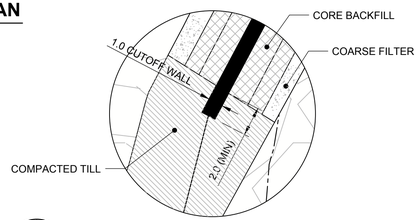
5 **ROCKFILL SURFACING PLACEMENT PLAN**
SCALE: A

NOTES

1) ALL DIMENSIONS ARE IN METERS UNLESS OTHERWISE NOTED.
2) ALL ELEVATIONS ARE IN METERS ABOVE SEA LEVEL (MASL), UNLESS OTHERWISE NOTED.
3) GRID REFERENCE: NAD 83, UTM ZONE 14.
4) GOOSE ISLAND ABUTMENT MAY BE CONSTRUCTED AS SHOWN ON 4200-08 AND 4200-09 USING COMPACTED TILL OR AS SHOWN ON 4200-13.
5) LAKEBED SURFACE BASED ON BATHYMETRIC SURVEY BY GOLDER ASSOCIATES LTD. 2008. DEPTH TO LAKEBED AND BEDROCK BENEATH CUTOFF WALL CENTRELINE INFERRED BASED ON GEOTECHNICAL INVESTIGATIONS. BEDROCK SURFACE INFORMATION TO BE UPDATED FOR THE SOUTHERN PORTION OF THE DIKE (STATION 31+000 TO STATION 32+213.69) FOLLOWING COMPLETION OF THE 2009/2010 INVESTIGATION PROGRAM (BY ENGINEER).
6) NPAG ROCKFILL SURFACING AND THERMAL CAP TO BE PLACED BY AEM. SURFACING ON DOWNSTREAM SLOPE TO BE PLACED FOLLOWING DEWATERING.
7) USE OF COARSE FILTER AGAINST PIT SIDE FACE OF EXCAVATION IS REQUIRED, UNLESS APPROVED IN WRITING BY THE ENGINEER.
8) ADDITIONAL ROCKFILL MAY BE REQUIRED TO MAINTAIN HAUL ROAD MINIMUM WIDTH.
9) GEOCHEMICAL CLASSIFICATION OF NPAG MATERIALS WAS THE RESPONSIBILITY OF AEM.
10) CUTOFF WALL FOUNDED ON COMPETENT BEDROCK SURFACE APPROVED BY ENGINEER. ALL ICE RICH MATERIAL (SOIL AND ROCK) TO BE EXCAVATED. THE EXTENT OF PERMAFROST AT ABUTMENTS TO BE CONFIRMED WITH THERMISTORS.
11) TRANSITION BETWEEN CUTOFF WALL AND COMPACTED TILL IS CRITICAL. TILL SHALL BE PLACED PRIOR TO CUTOFF WALL CONSTRUCTION. TILL SHALL NOT BE PERMITTED TO FREEZE PRIOR TO CUTOFF WALL CONSTRUCTION.
12) SAFETY BERMS NOT SHOWN FOR CLARITY.

LEGEND

- BEDROCK
- CORE BACKFILL
- NPAG ROCKFILL SURFACING AND THERMAL CAP
- ROCKFILL
- CUTOFF WALL
- COMPACTED TILL
- COARSE FILTER
- 09-MB-GD-22 — 2009 BOREHOLE
- DIKE FOOTPRINT



6 **TYPICAL CUTOFF WALL TIE-IN DETAIL**
NTS

REFERENCE

1) PORTAGE PIT DESIGN BY AEM, MARCH, 2009.
2) GOOSE ISLAND PIT DESIGN BY AEM, MAY, 2010.
3) ROAD AND MINE FACILITIES PROVIDED BY AEM, JANUARY, 2009.

0 7.5 15 22.5 30 37.5 SCALE: A
0 100 200 300 400 500 SCALE: B

DRAWING NO.	REFERENCES	REV	DATE	DES	REVISION DESCRIPTION	CADD	CHK	RVW
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		0	17JUL09	FE	ISSUED FOR CONSTRUCTION	EA		
4200-18	LONGITUDINAL SECTION	D	22MAY09	FE	REVISED ISSUED FOR TENDER	JK/MSH	DRW	MRJ
4200-15	CROSS SECTIONS (2 OF 3)	C	08MAY09	FE	ISSUED FOR TENDER	JK	DRW	MRJ
4200-09	ISLAND ABUTMENT SECTIONS	B	02FEB09	JU	ISSUED FOR REVIEW	EA	FE	JCC
4200-04	INITIAL ROCKFILL LAYOUT PLAN	A	24DEC08	JU	ISSUED FOR REVIEW	EA	JU	JCC

STAMP: **ORIGINAL SIGNED AND SEALED**

PROJECT: AEM — AGNICO-EAGLE MINES LIMITED, MEADOWBANK GOLD PROJECT, NUNAVUT

TITLE: **BAY-GOOSE DIKE GOOSE ISLAND ABUTMENT DETAILS - TILL OPTION**

Golder Associates

PROJECT No.	08-1428-0028/4200		FILE No.	0814280028-4200_0_08
DESIGN	JU	04JUL08	SCALE AS SHOWN	REV. 1
CADD	SWD	03DEC08	4200-08	
CHECK				
REVIEW				

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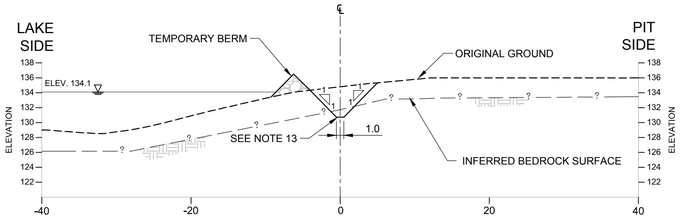
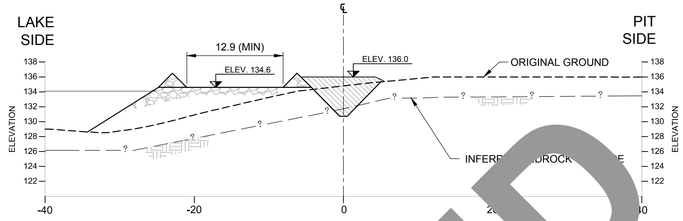
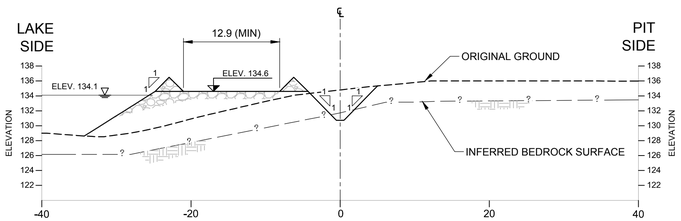
REVISION DATE: 09/07/17 01:52PM By: MHeal



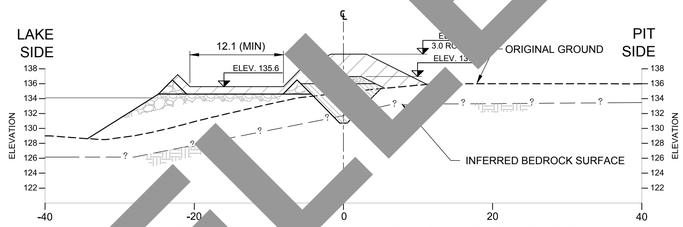
A 4200-13 **EXCAVATION SECTION**
(SCALE B)



C 4200-13 **COMPACTED TILL PLACEM T SECT**
(SCALE B)



B 4200-13 **ROCKFILL PLACEMENT SECTION**
(SCALE B)



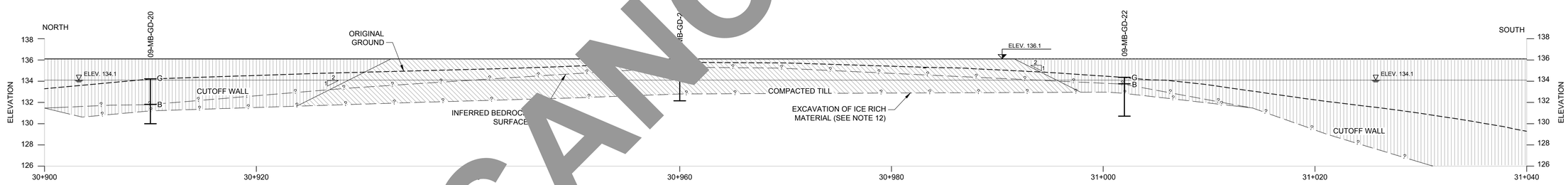
D 4200-13 **R KFILL S RFACING PLACEMENT SECTION**
(SCALE B)

LEGEND

- INFERRED BEDROCK
- COARSE FILTER
- NPAG ROCKFILL SURFACING AND THERMAL CAP
- COMPACTED TILL
- ROCKFILL
- CUTOFF WALL
- 09-MB-GD-20 — BOREHOLE
- G — GROUND
- B — BEDROCK

NOTES

1) ALL DIMENSIONS ARE IN METRES UNLESS OTHERWISE NOTED.
2) ALL ELEVATIONS ARE IN METRES ABOVE SEA LEVEL (MASL), UNLESS OTHERWISE NOTED.
3) LAKEBED SURFACE BASED ON BATHYMETRIC SURVEY BY GOLDER ASSOCIATES LTD., 2008. DEPTH TO LAKEBED AND BEDROCK BENEATH CUT-OFF WALL CENTRELINE INFERRED BASED ON GEOTECHNICAL INVESTIGATIONS. BEDROCK SURFACE INFORMATION TO BE UPDATED FOR THE SOUTHERN PORTION (STATION 31+000 TO STATION 32+213.69) OF THE DIKE FOLLOWING COMPLETION OF THE 2009/2010 INVESTIGATIGATION (BY ENGINEER).
4) GOOSE ISLAND ABUTMENT MAY BE CONSTRUCTED AS SHOWN ON 4200-08 AND 4200-09 USING COMPACTED TILL OR AS SHOWN ON 4200-13.
5) NPAG ROCKFILL SURFACING AND THERMAL CAP TO BE PLACED BY AEM.
6) NPAG ROCK PLACED AS 1m SURFACING TO BE PLACED BY AEM.
7) GEOCHEMICAL CLASSIFICATION OF NPAG MATERIALS IS THE RESPONSIBILITY OF AEM.
8) ALL SLOPES SHOWN ARE NOMINAL VALUES.
9) ADDITIONAL ROCKFILL MAY BE REQUIRED TO MAINTAIN HAUL ROAD MINIMUM WIDTH.
10) WIDTH OF ROCKFILL TO BE ADJUSTED IN FIELD TO SUIT CONDITIONS. ADDITIONAL WIDTH MAY BE REQUIRED TO PROVIDE STABLE UPSTREAM EXCAVATION SLOPE.
11) REQUIREMENT FOR COARSE FILTER TO BE DETERMINED BY THE ENGINEER IN THE FIELD.
12) CUTOFF WALL TO BE EXTENDED 2m (MIN.) INTO COMPACTED TILL ALONG CENTRELINE, AT NORTH AND SOUTH END OF GOOSE ISLAND ABUTMENT.
13) ALL ICE RICH MATERIAL (SOIL AND ROCK) TO BE EXCAVATED.
14) TRANSITION BETWEEN CUTOFF WALL AND COMPACTED TILL IS CRITICAL. TILL SHALL BE PLACED PRIOR TO CUTOFF WALL CONSTRUCTION. TILL SHALL NOT BE PERMITTED TO FREEZE PRIOR TO CUTOFF WALL CONSTRUCTION.



E 4200-13 **ISLAND ABUTMENT PROFILE**
(SCALE A)

THE ASSOCIATION OF PROFESSIONAL ENGINEERS, GEOLOGISTS and GEOPHYSICISTS OF THE NORTHWEST TERRITORIES
PERMIT NUMBER P 049
GOLDER ASSOCIATES LTD.

SCALE A: 0 2 4 6 8 10
SCALE B: 0 4 8 12 16 20

PROJECT: AEM — AGNICO-EAGLE MINES LIMITED, MEADOWBANK GOLD PROJECT, NUNAVUT

TITLE: **BAY-GOOSE DIKE GOOSE ISLAND ABUTMENT SECTIONS - TILL OPTION**

DRAWING NO.	REFERENCES
4200-15	CROSS SECTIONS (2 OF 3)
4200-13	GOOSE ISLAND ABUTMENT CUTOFF WALL OPTION
4200-04	INITIAL ROCKFILL LAYOUT PLAN

REV	DATE	DES	REVISION DESCRIPTION	CADD	CHK	RVW
1	03APR13	FE	CANCELLED	TK		
0	17JUL09	FE	ISSUED FOR CONSTRUCTION	EA		
C	22MAY09	FE	REVISED ISSUED FOR TENDER	JK/MSH	DRW	MRJ
B	08MAY09	FE	ISSUED FOR TENDER	JK	DRW	MRJ
A	02FEB09	JU	ISSUED FOR REVIEW	EA	FE	JCC

STAMP: **ORIGINAL SIGNED AND SEALED**

Golder Associates

PROJECT No.	08-1418-0028/4200		FILE No.	0814280028-4200_0_09
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CADD	SWD	03DEC08	REV.	1
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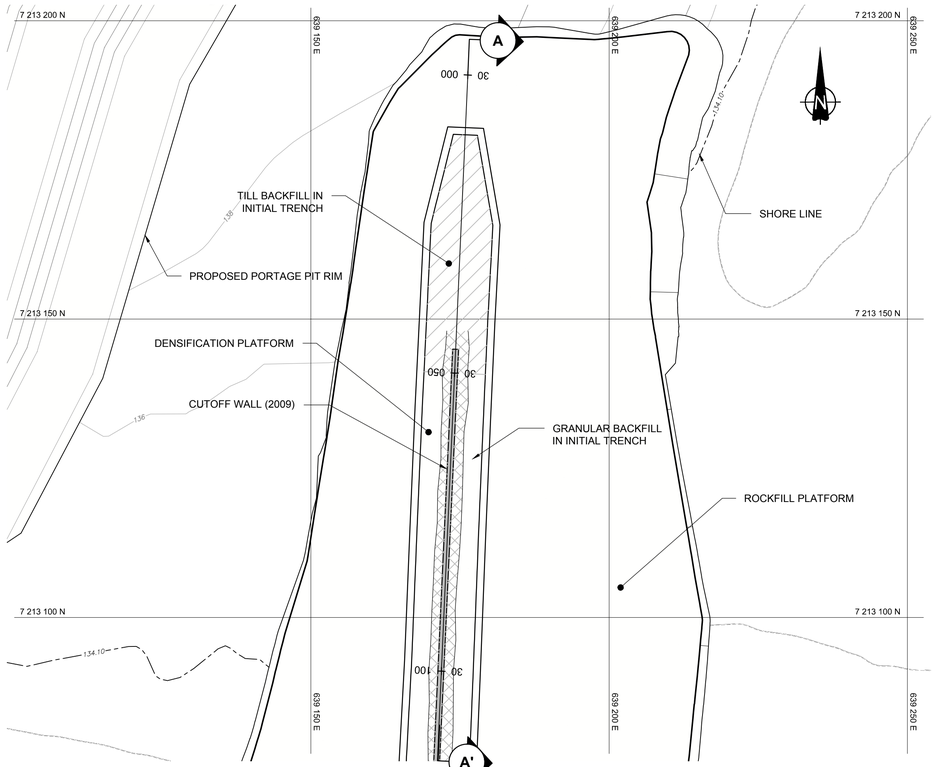
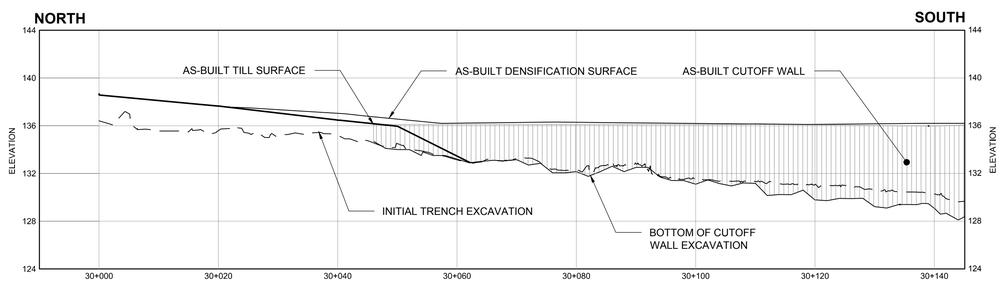
REVIEW				



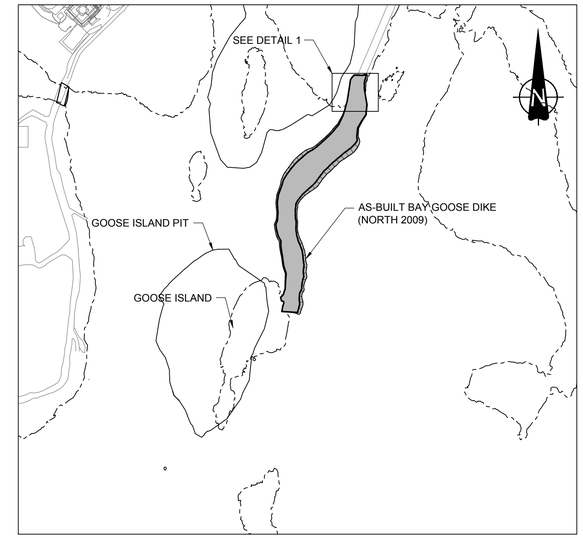
1 / 4200-04 AS-BUILT NORTH ABUTMENT PLAN

SCALE: B



A-A' AS-BUILT NORTH ABUTMENT PROFILE

HORIZONTAL SCALE: B; VERTICAL SCALE: A



KEY PLAN

SCALE: C

LEGEND

- CORE BACKFILL
- TILL BACKFILL
- CUTOFF WALL (PROFILE)
- SHORELINE
- MINOR BATHYMETRY CONTOUR
- 120 MAJOR BATHYMETRY CONTOUR
- MINOR TOPOGRAPHY CONTOUR
- 150 MAJOR TOPOGRAPHY CONTOUR

NOTES

1) ALL DIMENSIONS ARE IN METRES UNLESS OTHERWISE NOTED.
2) ALL ELEVATIONS ARE IN METRES ABOVE SEA LEVEL (MASL), UNLESS OTHERWISE NOTED.
3) GRID REFERENCE: NAD 83, UTM ZONE 14.
4) TILL PLACED ON BEDROCK BETWEEN STA. 30+000 AND 30+050. CUTOFF WALL EXCAVATED INTO PLACED TILL BETWEEN STA. 30+046 AND 30+050.
5) CUTOFF WALL FOUNDED ON BEDROCK, APPROVED BY THE ENGINEER. ALL ICE RICH MATERIAL (SOIL AND ROCK) WAS EXCAVATED BETWEEN STA. 30+000 TO STA. 30+860.
6) GROUTING PLATFORM, THERMAL CAP AND ROCKFILL SURFACING LAYERS NOT SHOWN.

REFERENCE

1) PORTAGE PIT DESIGN BY AEM, MARCH, 2009.
2) GOOSE ISLAND PIT DESIGN BY AEM, MAY, 2010.
3) ROAD AND MINE FACILITIES PROVIDED BY AEM, JANUARY, 2009.
4) TOPOGRAPHIC CONTOUR INFORMATION ON LAND SUPPLIED BY AGNICO-EAGLE MINES LIMITED (AEM), MEADOWBANK DIVISION.
5) LAKEBED SURFACE BASED ON BATHYMETRIC SURVEYS BY GOLDER ASSOCIATES LTD., 2006 AND DETAILED (0.5m CONTOUR INTERVAL) 2008.

0 2.5 5 7.5 10 12.5
SCALE: A

0 5 10 15 20 25
SCALE: B

0 100 200 300 400 500
SCALE: C

PROJECT

AEM

AGNICO-EAGLE MINES LIMITED
MEADOWBANK GOLD PROJECT
NUNAVUT

TITLE

BAY-GOOSE DIKE NORTH ABUTMENT PLAN AND DETAILS

Golder Associates

PROJECT No.	08-1428-0028/4200	FILE No.	0814280028-4200_1_10
DESIGN	JU	04JUL08	SCALE AS SHOWN REV. 1
CADD	MJH	04JUL08	4200-10
CHECK	JU	24DEC08	
REVIEW	JCC	24DEC08	

STAMP

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1	15DEC12	KD	AS-BUILT	JD	GRB	FE
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D	22MAY09	FE	REVISED ISSUED FOR TENDER	MSH	DRW	MRJ
C	08MAY09	FE	ISSUED FOR REVIEW	DS	DRW	MJR
B	02FEB09	JU	ISSUED FOR REVIEW	EA	FE	JCC
A	24DEC08	JU	ISSUED FOR REVIEW	EA	JU	JCC

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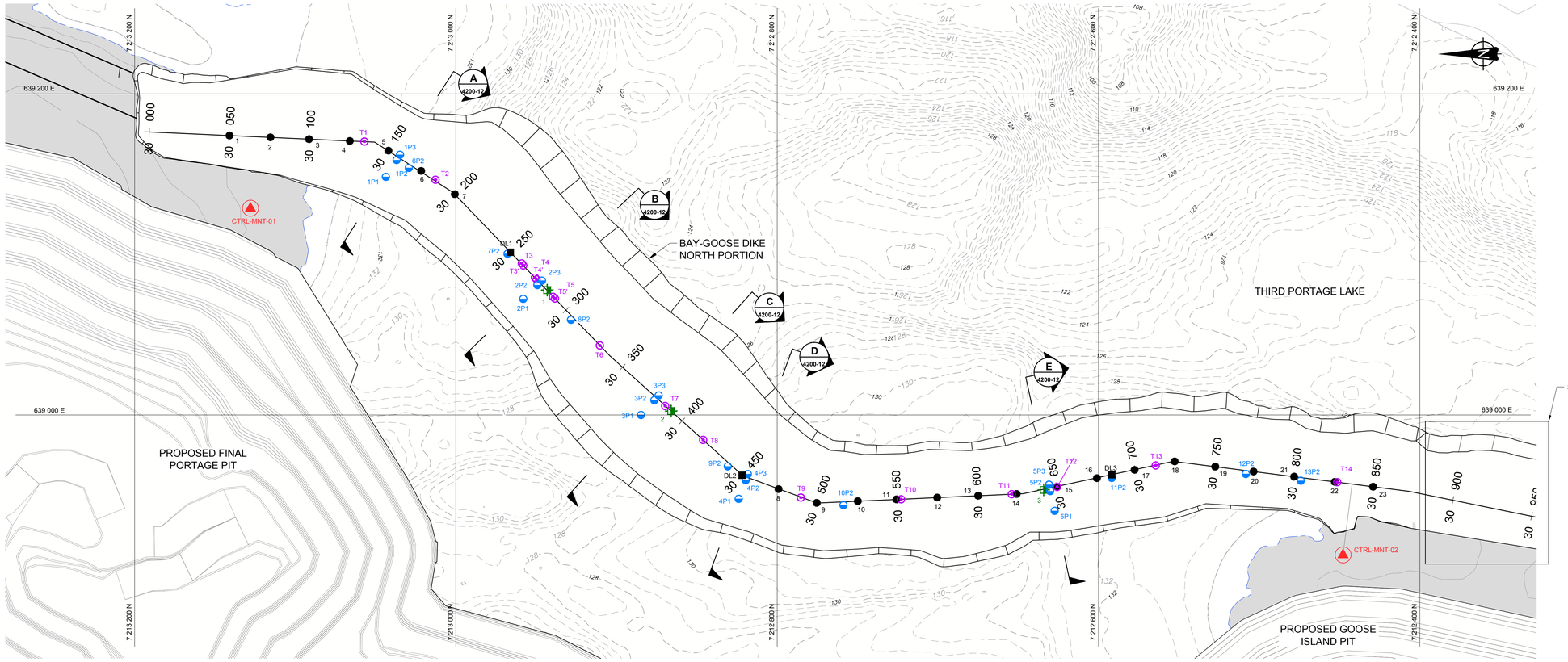

PLAN
SCALE: A

INCLINOMETER LOCATION TABLE			
POINT	EASTING	NORTHING	ELEV. (m)
1	639077.8	7212943.2	139.81
2	639002.5	7212866.0	140.47
3	638953.4	7212634.1	139.27

SURVEY MONUMENT TABLE			
STATION	EASTING	NORTHING	ELEV. (m)
30+050	639174.0	7213141.0	139.58
30+075	639172.9	7213115.5	139.45
30+100	639171.8	7213091.5	139.70
30+125	639170.6	7213066.0	139.46
30+150	639164.6	7213042.0	139.38
30+175	639152.0	7213021.6	139.66
30+200	639137.5	7213000.7	139.56
30+475	638953.9	7212799.2	140.26
30+500	638945.3	7212775.4	140.07
30+525	638946.3	7212749.8	140.14
30+550	638947.5	7212725.8	140.01
30+575	638948.6	7212700.4	139.82
30+600	638949.7	7212674.9	139.82
30+625	638950.8	7212651.0	139.60
30+650	638955.2	7212625.9	139.70
30+675	638960.7	7212601.0	139.88
30+700	638965.8	7212577.6	140.11
30+725	638971.1	7212552.6	140.19
30+750	638967.8	7212527.3	139.95
30+775	638964.8	7212503.5	139.67
30+800	638961.6	7212478.2	140.01
30+825	638958.4	7212452.9	139.53
30+850	638955.3	7212429.1	139.68

THERMISTOR TABLE		
POINT	EASTING	NORTHING
T1	639170.3	7213057.0
T2	639146.5	7213012.7
T3	639094.4	7212959.0
T4	639085.6	7212950.8
T5	639073.6	7212939.6
T6	639043.3	7212910.4
T7	639005.6	7212869.7
T8	638984.5	7212846.1
T9	638948.6	7212785.3
T10	638947.5	7212722.9
T11	638950.7	7212654.0
T12	638955.2	7212625.8
T13	638968.6	7212564.4
T14	638958.2	7212451.4

PIEZOMETER TABLE					
POINT	EASTING	NORTHING	ELEV. (A)	ELEV. (B)	ELEV. (C)
1P1	639148.3	7213043.6	116.41	121.41	127.41
1P2	639158.8	7213036.9	117.05	122.05	128.05
1P3	639162.1	7213034.8	117.13	122.13	-
2P1	639072.3	7212958.1	119.25	124.25	130.25
2P2	639080.9	7212949.3	119.10	124.10	130.10
2P3	639083.7	7212946.4	119.70	124.70	-
3P1	639000.0	7212884.8	113.12	118.12	124.12
3P2	639009.2	7212876.5	113.10	118.10	124.10
3P3	639012.2	7212873.8	113.58	118.58	-
4P1	638947.8	7212824.0	116.61	118.61	124.61
4P2	638959.4	7212819.6	115.13	120.13	126.13
4P3	638963.2	7212818.3	115.25	122.60	-
5P1	638940.3	7212627.3	118.00	123.00	129.00
5P2	638952.6	7212630.1	117.85	122.85	128.85
5P3	638956.6	7212630.8	115.15	120.15	-
6P2	639153.9	7213029.3	127.57	-	-
7P2	639100.4	7212967.9	129.85	-	-
8P2	639059.3	7212928.4	129.65	-	-
9P2	638968.0	7212830.8	126.73	-	-
10P2	638943.9	7212758.8	130.26	-	-
11P2	638960.8	7212591.8	130.65	-	-
12P2	638963.3	7212508.3	132.16	-	-
13P2	638959.1	7212474.1	132.05	-	-

LEGEND

- SURVEY MONUMENT
- THERMISTOR
- SURVEY CONTROL MONUMENT
- PIEZOMETER
- INCLINOMETER
- INSTRUMENT CABIN
- SHORELINE
- MINOR BATHYMETRY CONTOUR
- 120 MAJOR BATHYMETRY CONTOUR
- MINOR TOPOGRAPHIC CONTOUR
- 120 MAJOR TOPOGRAPHIC CONTOUR
- PIT RIM

NOTES

1) ALL DIMENSIONS ARE IN METRES UNLESS OTHERWISE NOTED.
2) ALL ELEVATIONS ARE IN METRES ABOVE SEA LEVEL (MASL), UNLESS OTHERWISE NOTED.
3) GRID REFERENCE: NAD 83, UTM ZONE 14.
4) SURVEYED LAKE SURFACE ELEVATION: THIRD PORTAGE LAKE = 134.1m (2008)
5) SURVEY INSTRUMENT CABIN LOCATION INFORMATION PROVIDED BY AEM.
6) SEISMOGRAPH LOCATIONS NOT SHOWN.
7) BAY-GOOSE DIKE SOUTH INSTRUMENTATION PLAN AND SECTIONS SHOWN ON DRAWINGS 4300-30, 4300-31 AND 4300-32.
8) SURVEYED AND INSTALLED INSTRUMENTATION LOCATION INFORMATION PROVIDED BY AEM.

REFERENCE

1) PORTAGE PIT DESIGN BY AEM, MARCH, 2009.
2) GOOSE ISLAND PIT DESIGN BY AEM, MAY, 2010.
3) ROAD AND MINE FACILITIES PROVIDED BY AEM, JANUARY, 2009.
4) TOPOGRAPHIC CONTOUR INFORMATION ON LAND SUPPLIED BY AGNICO-EAGLE MINES LIMITED (AEM), MEADOWBANK DIVISION.
5) LAKEBED SURFACE BASED ON BATHYMETRIC SURVEYS BY GOLDER ASSOCIATES LTD., 2006 AND DETAILED (0.5m CONTOUR INTERVAL) 2008.

0 15 30 45 60 75
SCALE: A

DRAWING NO.	REFERENCES	REV	DATE	DES	REVISION DESCRIPTION	CADD	CHK	RVW
		2	15DEC12	KD	AS-BUILT	JD	GRB	FE
		1	25AUG10	FE	REVISED INSTRUMENTATION LAYOUT	JK	FE	MRJ
		0	17JUL09	FE	ISSUED FOR CONSTRUCTION	EA	FE	MRJ
		D	22MAY09	FE	REVISED ISSUED FOR TENDER	JK	DRW	MRJ
		C	08MAY09	FE	ISSUED FOR TENDER	JK	DRW	MRJ
		B	02FEB09	JU	ISSUED FOR REVIEW	EA	FE	JCC
		A	25DEC08	JU	ISSUED FOR REVIEW	EA	JU	JCC

STAMP

PROJECT
AEM
AGNICO-EAGLE MINES LIMITED
MEADOWBANK GOLD PROJECT
NUNAVUT

TITLE
BAY-GOOSE DIKE INSTRUMENTATION PLAN (NORTH PORTION)

Golder Associates

PROJECT No.	08-1428-0028/4200		FILE No.	0814280028-4200_1_11A	
DESIGN	JU	01DEC08	SCALE	AS SHOWN	REV. 2
CADD	EA	05DEC08	4200-11A		
CHECK	JU	24DEC08			
REVIEW	JCC	24DEC08			

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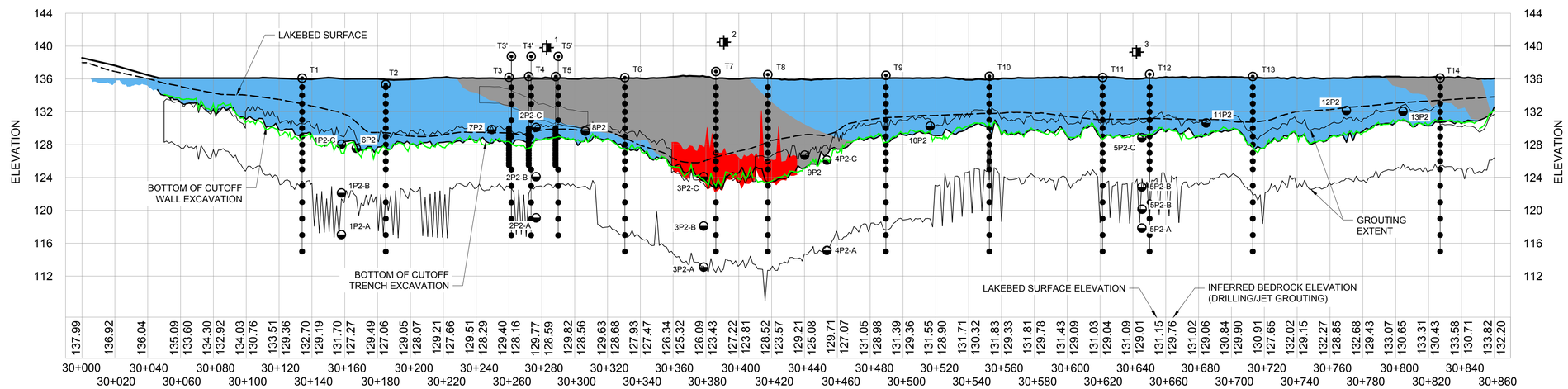

BAY-GOOSE NORTH CENTRELINE PROFILE

SCALE: 5x VERTICAL EXAGGERATION

LEGEND

- THERMISTOR
- PIEZOMETER
- INCLINOMETER
- THERMISTOR BEAD
- BERM CREST
- LAKEBED
- INFERRED BEDROCK (CUTOFF TRENCH EXCAVATION)
- GROUTING EXTENT
- INFERRED BEDROCK (DRILLING/JET GROUTING)
- CEMENT SOIL BENTONITE (CSB)
- SOIL BENTONITE (SB)
- JET GROUTING

NOTES

1) ALL DIMENSIONS ARE IN METRES UNLESS OTHERWISE NOTED.
2) ALL ELEVATIONS ARE IN METRES ABOVE SEA LEVEL (MASL), UNLESS OTHERWISE NOTED.
3) BAY-GOOSE DIKE SOUTH INSTRUMENTATION PLAN AND SECTIONS SHOWN ON DRAWINGS 4300-30, 4300-31 AND 4300-32.
4) SURVEYED AND INSTALLED INSTRUMENTATION LOCATION INFORMATION PROVIDED BY AEM.
5) CUTOFF TRENCH EXCAVATED TO BEDROCK.
6) BEDROCK SURFACE INFERRED BASED ON DATA OBTAINED DURING DRILLING AND JET GROUTING.

REFERENCE

1) TOPOGRAPHIC CONTOUR INFORMATION ON LAND SUPPLIED BY AGNICO-EAGLE MINES LIMITED (AEM), MEADOWBANK DIVISION.
2) LAKEBED SURFACE BASED ON BATHYMETRIC SURVEYS BY GOLDER ASSOCIATES LTD., 2006 AND DETAILED (0.5m CONTOUR INTERVAL) 2008.

0 15 30 45 60 75
SCALE: A

PROJECT

AEM

AGNICO-EAGLE MINES LIMITED
MEADOWBANK GOLD PROJECT
NUNAVUT

TITLE

BAY-GOOSE DIKE INSTRUMENTATION PROFILE (NORTH PORTION)

DRAWING NO.	REFERENCES	REV	DATE	DES	REVISION DESCRIPTION	CADD	CHK	RVW
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		1	25AUG10	FE	REVISED INSTRUMENTATION LAYOUT	JK	FE	MRJ
		0	17JUL09	FE	ISSUED FOR CONSTRUCTION	EA	FE	MRJ
		D	22MAY09	FE	REVISED ISSUED FOR TENDER	JK	DRW	MRJ
		C	08MAY09	FE	ISSUED FOR TENDER	JK	DRW	MRJ
		B	02FEB09	JU	ISSUED FOR REVIEW	EA	FE	JCC
		A	25DEC08	JU	ISSUED FOR REVIEW	EA	JU	JCC

STAMP

Golder Associates

PROJECT No.	08-1428-0028/4200		FILE No.	0814280028-4200_1_11B
DESIGN	JU	01DEC08	SCALE AS SHOWN	REV. 2
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CHECK	JU	24DEC08		
REVIEW	JCC	24DEC08		

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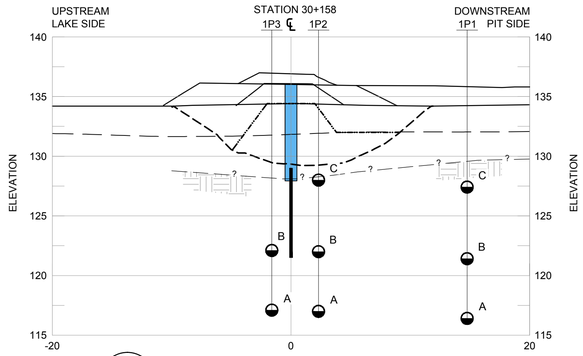

A 4200-11A **INSTRUMENTATION SECTIONS**
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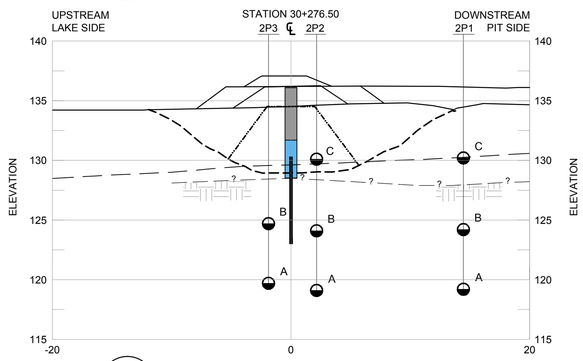

B 4200-11A **INSTRUMENTATION SECTIONS**
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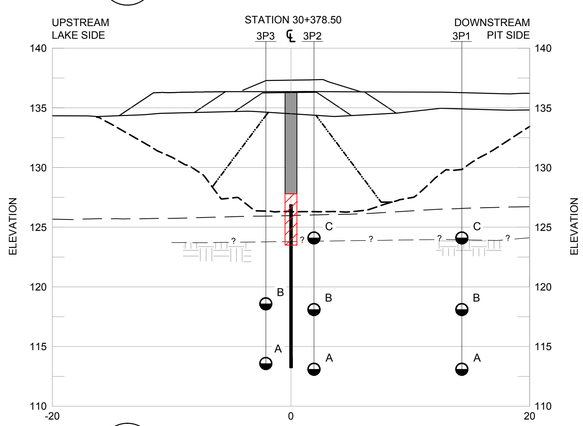
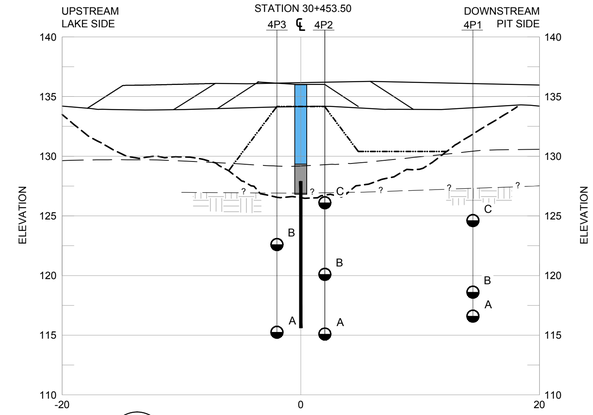
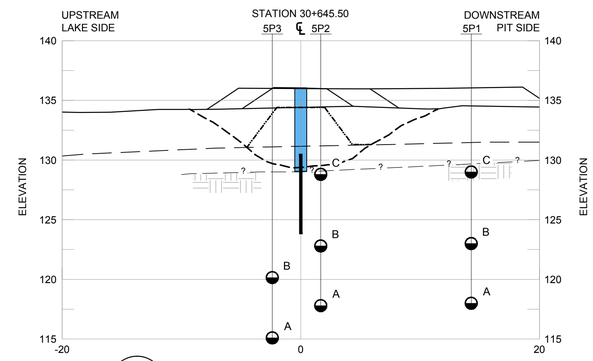


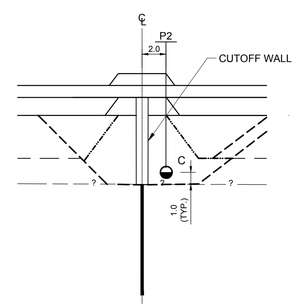
C 4200-11A **INSTRUMENTATION SECTIONS**
SCALE: A



D 4200-11A **INSTRUMENTATION SECTIONS**
SCALE: A



E 4200-11A **INSTRUMENTATION SECTIONS**
SCALE: A



TYPICAL SECTION - INSTRUMENTATION
NORTH PORTION (DOWNSTREAM PIEZOMETER)
SCALE: A

LEGEND

- CUTOFF WALL (CSB)
- CUTOFF WALL (SB)
- INITIAL ROCKFILL
- LAKEBED
- BEDROCK
- INFERRED CORE BACKFILL
- AS-BUILT TRENCH EXCAVATION
- JET GROUT
- GROUTING CURTAIN
- PIEZOMETER

NOTES

1) ALL DIMENSIONS ARE IN METRES UNLESS OTHERWISE NOTED.
2) ALL ELEVATIONS ARE IN METRES ABOVE SEA LEVEL (MASL), UNLESS OTHERWISE NOTED.
3) TOPOGRAPHIC CONTOUR INFORMATION ON LAND SUPPLIED BY AGNICO-EAGLE MINES LIMITED (AEM), MEADOWBANK DIVISION.
4) LAKEBED SURFACE BASED ON BATHYMETRIC SURVEYS BY GOLDER ASSOCIATES LTD., 2006 AND DETAILED (0.5m CONTOUR INTERVAL) 2008.
5) SURVEYED LAKE SURFACE ELEVATION: THIRD PORTAGE LAKE = 134.1m (2008).
6) GEOLOGIC INFORMATION INFERRED BASED ON DRILLING INVESTIGATION RESULTS AND CUTOFF TRENCH EXCAVATION AND DRILLING ACTIVITIES ASSOCIATED WITH GROUTING AND JET GROUTING WORKS.
7) ALL SLOPES SHOWN ARE NOMINAL.
8) CUTOFF WALL FOUNDED ON BEDROCK SURFACE APPROVED BY THE ENGINEER. ALL ICE RICH MATERIAL (SOIL AND ROCK) WERE EXCAVATED BETWEEN STA. 30+000 TO 30+ 860.
9) BEDROCK AND LAKEBED SURFACES ARE SHOWN AS SMOOTH LINES FOR ILLUSTRATIVE PURPOSES.
10) GROUTING PLATFORM, THERMAL CAP, AND ROCKFILL SURFACING MAY NOT BE SHOWN. ROCKFILL SURFACING AND THERMAL CAP TO BE PLACED BY AEM. PLACEMENT IN PROGRESS AS OF APRIL 2013.

0 2.5 5 7.5 10 12.5
SCALE: A

PROJECT
AEM
AGNICO-EAGLE MINES LIMITED
MEADOWBANK GOLD PROJECT
NUNAVUT

TITLE
BAY-GOOSE DIKE INSTRUMENTATION SECTION DETAILS (NORTH PORTION)

Golder Associates

PROJECT No.	08-1428-0028/4200	FILE No.	0814280028-4200_2_12
DESIGN	JU	01DEC08	SCALE AS SHOWN REV. 3
CADD	EA	05DEC08	4200-12
CHECK	JU	24DEC08	
REVIEW	JCC	24DEC08	

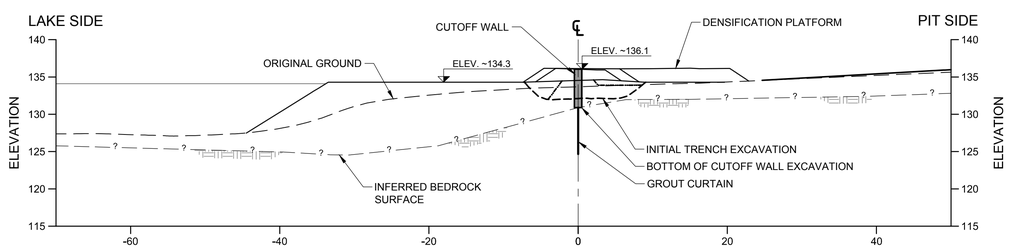
STAMP

REV	DATE	DES	REVISION DESCRIPTION	CADD	CHK	RVW
3	15DEC12	KD	AS-BUILT	JD	GRB	FE
2	25JUL10	FE	REVISED INSTRUMENTATION - NORTH PORTION - REMOVED SECTION 2	JK	FE	MRJ
1	31JUL09	FE	REVISED SECTION - DOWNSTREAM PIEZOMETER	JK	FE	MRJ
0	17JUL09	FE	ISSUED FOR CONSTRUCTION	MSH	FE	MRJ
D	22MAY09	FE	REVISED ISSUED FOR TENDER	JK	DRW	MRJ
C	08MAY09	FE	ISSUED FOR TENDER	MSH	DRW	MRJ
B	02FEB09	JU	ISSUED FOR REVIEW	EA	FE	JCC
A	24DEC08	JU	ISSUED FOR REVIEW	EA	JU	JCC

DRAWING NO. REFERENCES

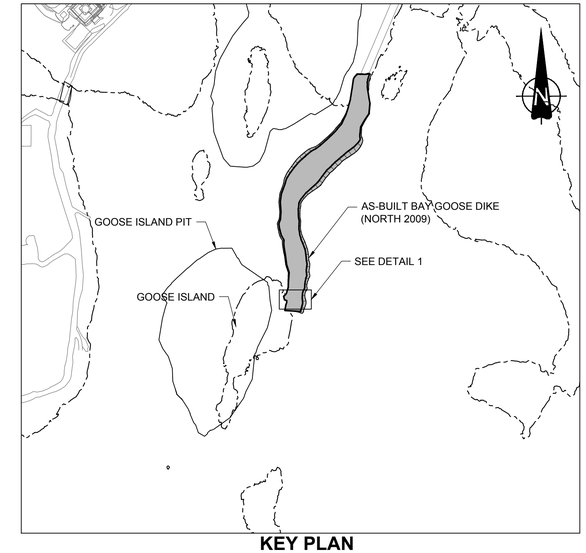
1 AS-BUILT PLAN

SCALE: A



A AS-BUILT SECTION

SCALE: B



KEY PLAN

SCALE: C

LEGEND

- INFERRED BEDROCK
- CORE BACKFILL
- CEMENT-SOIL-BENTONITE (CSB) CUTOFF WALL (2009)
- MINOR BATHYMETRY CONTOUR
- MAJOR BATHYMETRY CONTOUR
- SHORELINE
- ROCKFILL PLATFORM CREST

NOTES

1) ALL DIMENSIONS ARE IN METRES UNLESS OTHERWISE NOTED.
2) ALL ELEVATIONS ARE IN METRES ABOVE SEA LEVEL (MASL), UNLESS OTHERWISE NOTED. GRID REFERENCE: NAD 83, UTM ZONE 14.
3) LAKEBED SURFACE BASED ON BATHYMETRIC SURVEY BY GOLDER ASSOCIATES LTD. 2008.
4) DEPTH TO BEDROCK BENEATH CUTOFF WALL CENTRELINE INFERRED BASED ON AS-BUILT DATA.
5) DEPTH TO BEDROCK ELSEWHERE BASED ON GEOTECHNICAL INVESTIGATION.
6) NPAG ROCKFILL SURFACING AND THERMAL CAP TO BE PLACED BY AEM. SURFACING ON DOWNSTREAM SLOPE TO BE PLACED FOLLOWING DEWATERING. PLACEMENT IN PROGRESS AS OF APRIL 2013.
7) GEOCHEMICAL CLASSIFICATION OF NPAG MATERIALS WAS THE RESPONSIBILITY OF AEM.
8) CSB BETWEEN STA. 30+794 AND 30+864 USED 2-3% CEMENT CONTENT, TO ALLOW EXCAVATION AND TIE-IN WITH 2010 CUTOFF WALL. SEE DWG 4300-20.

REFERENCE

1) PORTAGE PIT DESIGN BY AEM, MARCH, 2009.
2) GOOSE ISLAND PIT DESIGN BY AEM, MAY, 2010.

0 2 4 6 8 10 SCALE: A
0 4 8 12 16 20 SCALE: B
0 100 200 300 400 500 SCALE: C

PROJECT

AEM

AGNICO-EAGLE MINES LIMITED
MEADOWBANK GOLD PROJECT
NUNAVUT

TITLE

BAY-GOOSE DIKE
GOOSE ISLAND ABUTMENT CUTOFF WALL OPTION

Golder Associates

PROJECT No. 08-1428-0028/4200		FILE No. 0814280028-4200_1_13
DESIGN	JU	04JUL08
CADD	SWD	03DEC08
CHECK	JU	24DEC08
REVIEW	JCC	24DEC08
SCALE AS SHOWN		REV. 1

4200-13

STAMP

REV	DATE	DES	REVISION DESCRIPTION	CADD	CHK	RVW
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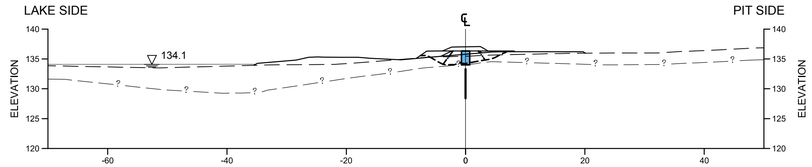
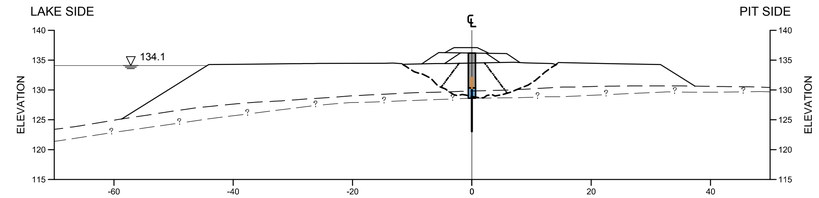
0	17JUL09	FE	ISSUED FOR CONSTRUCTION	EA	FE	MRJ

DRAWING NO. | REFERENCES

Drawing File: N:\Cogo\Projects\0814280028\4200\5-50\Drafting\4200\mxd\cad\4-bay-goose (north) dike as-built\0814280028-4200_4_13.dwg Layout:4200-13 Wednesday, December 26, 2012 11:36:51 AM By: TYBdawson



STA. 30+050 CROSS-SECTION



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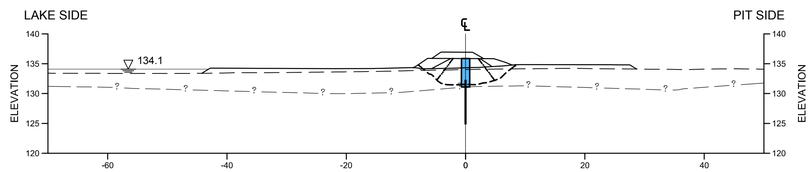

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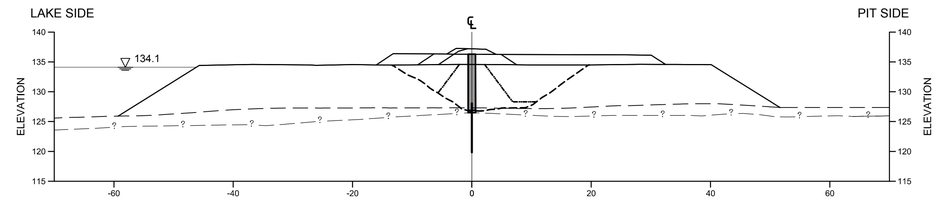

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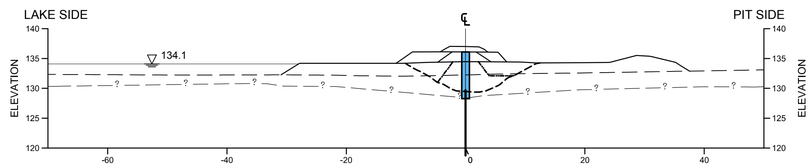

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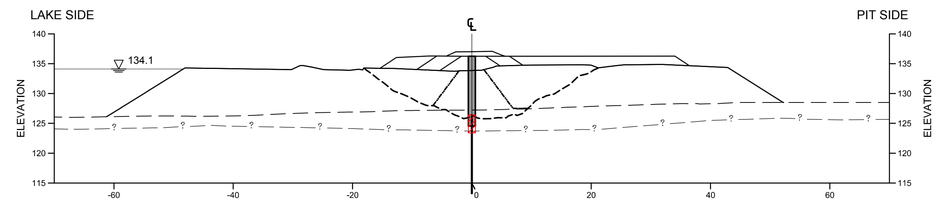

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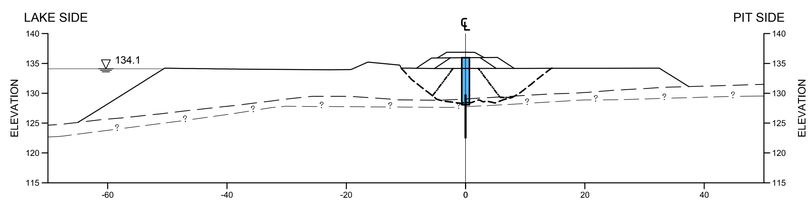

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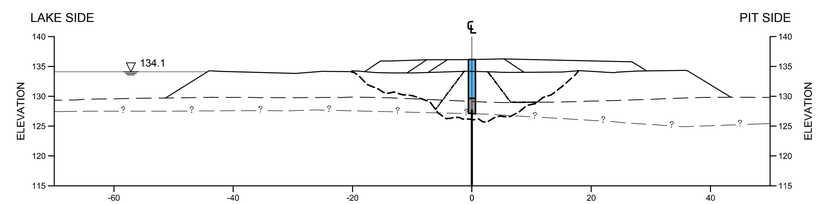

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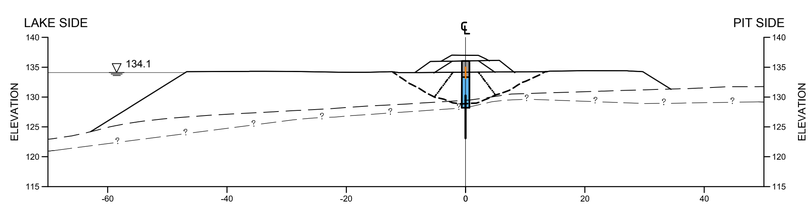

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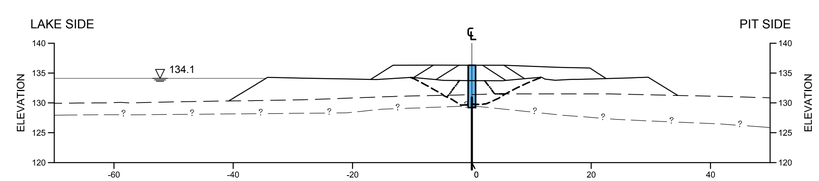


STA. 30+500 CROSS-SECTION

NOTES

1) ALL DIMENSIONS ARE IN METRES UNLESS OTHERWISE NOTED.
2) ALL ELEVATIONS ARE IN METRES ABOVE SEA LEVEL (MASL), UNLESS OTHERWISE NOTED.
3) TOPOGRAPHIC CONTOUR INFORMATION ON LAND SUPPLIED BY AGNICO-EAGLE MINES LIMITED (AEM), MEADOWBANK DIVISION.
4) LAKEBED SURFACE BASED ON BATHYMETRIC SURVEYS BY GOLDER ASSOCIATES LTD., 2006 AND DETAILED (0.5m CONTOUR INTERVAL) 2008.
5) SURVEYED LAKE SURFACE ELEVATION: THIRD PORTAGE LAKE = 134.1m (2008).
6) GEOLOGIC INFORMATION INFERRED BASED ON DRILLING INVESTIGATION RESULTS AND CUTOFF TRENCH EXCAVATION. ACTUAL CONDITIONS MAY VARY.
7) ALL SLOPES SHOWN ARE NOMINAL.
8) CUTOFF WALL FOUNDED ON BEDROCK SURFACE APPROVED BY THE ENGINEER. ALL ICE RICH MATERIAL (SOIL AND ROCK) WERE EXCAVATED BETWEEN STA. 30+000 TO 30+860.
9) BEDROCK AND LAKEBED SURFACES ARE SHOWN AS SMOOTH LINES FOR ILLUSTRATIVE PURPOSES.
10) ADDITIONAL ROCKFILL HAS BEEN PLACED ON THE DIKE PLATFORM, NOT SURVEYED.
11) GROUTING PLATFORM, THERMAL CAP AND ROCKFILL SURFACING NOT SHOWN ON ALL SECTIONS. ADDITIONAL ROCKFILL HAS BEEN PLACED BUT NOT SURVEYED NOR SHOWN IN SECTION. THERMAL CAP AND ROCKFILL PLACEMENT ARE IN PROGRESS AS OF APRIL 2013.

LEGEND

- LAKEBED BATHYMETRY OR LAND SURFACE SURVEY
- AS-BUILT ROCKFILL (SEE NOTE 11)
- AS-BUILT TRENCH EXCAVATION
- INFERRED BEDROCK
- AS-BUILT COMPACTION PLATFORM
- INFERRED CORE BACKFILL
- AS-BUILT CUTOFF WALL (CSB)
- AS-BUILT CUTOFF WALL (SB)
- AS-BUILT JET GROUT
- CSB/SB INTERFACE GROUTING
- GROUT CURTAIN

0 5 10 15 20 25
SCALE: A

DRAWING NO.	REFERENCES	REV	DATE	DES	REVISION DESCRIPTION	CADD	CHK	RVW
		2	15DEC12	KD	AS-BUILT	JD	GRB	FE
		1	31JUL09	FE	REVISED CROSS-SECTIONS - EXCAVATION WIDTH	JK	FE	MRJ
		0	17JUL09	FE	ISSUED FOR CONSTRUCTION	MSH	FE	MRJ
		B	22MAY09	FE	REVISED ISSUED FOR TENDER	JK	DRW	MRJ
		A	08MAY09	FE	ISSUED FOR TENDER	JK	DRW	MRJ

STAMP

PROJECT

AEM

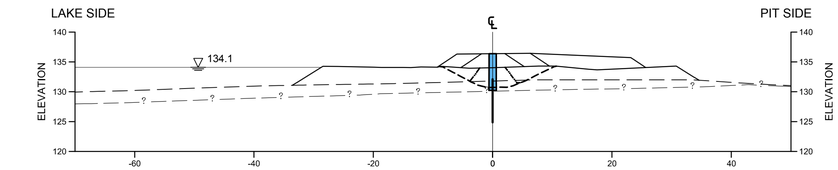
AGNICO-EAGLE MINES LIMITED
MEADOWBANK GOLD PROJECT
NUNAVUT

TITLE

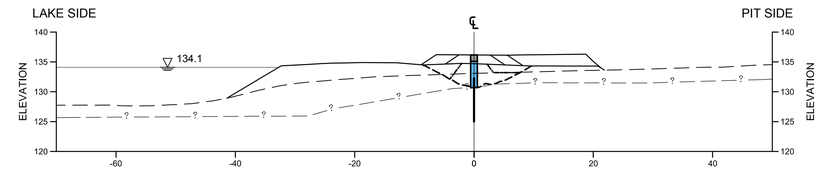
BAY-GOOSE DIKE CROSS SECTIONS (NORTH PORTION) (1 OF 2)

Golder Associates

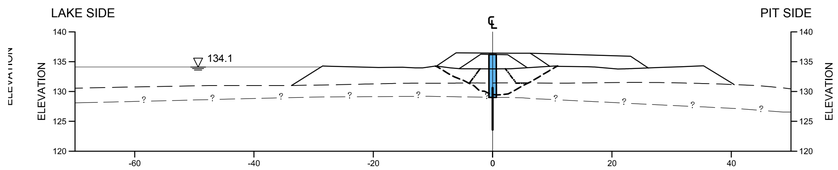
PROJECT No.	08-1428-0028/4200		FILE No.	0814280028-4200_2_14	
DESIGN	FE	17APR09	SCALE	AS SHOWN	REV. 2
CADD	JK	29APR09	4200-14		
CHECK	DRW	08MAY09			
REVIEW	MRJ	08MAY09			



STA. 30+550 CROSS-SECTION



STA. 30+800 CROSS-SECTION



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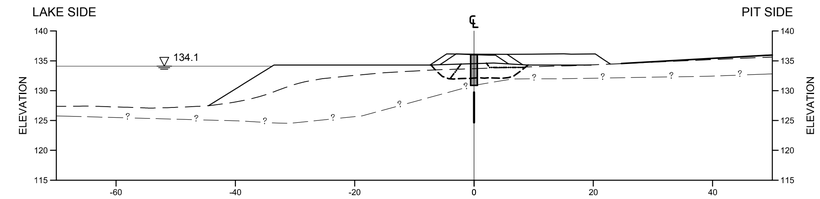
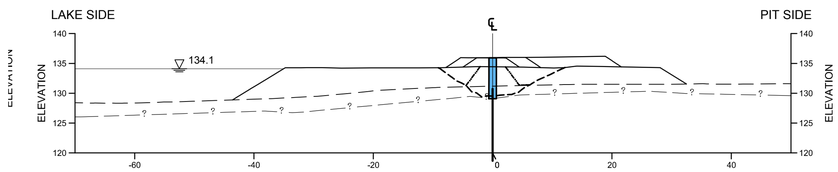


STA. 30+850 CROSS-SECTION



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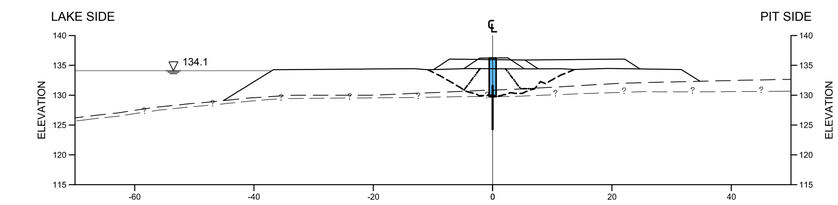

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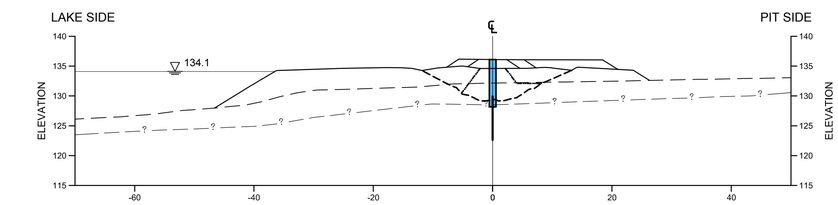

STA. 30+750 CROSS-SECTION

NOTES

1) ALL DIMENSIONS ARE IN METRES UNLESS OTHERWISE NOTED.
2) ALL ELEVATIONS ARE IN METRES ABOVE SEA LEVEL (MASL), UNLESS OTHERWISE NOTED.
3) TOPOGRAPHIC CONTOUR INFORMATION ON LAND SUPPLIED BY AGNICO-EAGLE MINES LIMITED (AEM), MEADOWBANK DIVISION.
4) LAKEBED SURFACE BASED ON BATHYMETRIC SURVEYS BY GOLDER ASSOCIATES LTD., 2006 AND DETAILED (0.5m CONTOUR INTERVAL) 2008.
5) SURVEYED LAKE SURFACE ELEVATION: THIRD PORTAGE LAKE = 134.1m (2008).
6) GEOLOGIC INFORMATION INFERRED BASED ON DRILLING INVESTIGATION RESULTS AND CUTOFF TRENCH EXCAVATION. ACTUAL CONDITIONS MAY VARY.
7) ALL SLOPES SHOWN ARE NOMINAL.
8) CUTOFF WALL FOUNDED ON BEDROCK SURFACE APPROVED BY THE ENGINEER. ALL ICE RICH MATERIAL (SOIL AND ROCK) WERE EXCAVATED BETWEEN STA. 30+000 TO 30+860.
9) BEDROCK AND LAKEBED SURFACES ARE SHOWN AS SMOOTH LINES FOR ILLUSTRATIVE PURPOSES.
10) ADDITIONAL ROCKFILL HAS BEEN PLACED ON THE DIKE PLATFORM, NOT SURVEYED.
11) GROUTING PLATFORM, THERMAL CAP AND ROCKFILL SURFACING NOT SHOWN ON ALL SECTIONS. ADDITIONAL ROCKFILL HAS BEEN PLACED BUT NOT SURVEYED NOR SHOWN IN SECTION. THERMAL CAP AND ROCKFILL PLACEMENT ARE IN PROGRESS AS OF APRIL 2013.

LEGEND

- LAKEBED BATHYMETRY OR LAND SURFACE SURVEY
- AS-BUILT ROCKFILL (SEE NOTE 11)
- AS-BUILT TRENCH EXCAVATION
- INFERRED BEDROCK
- AS-BUILT COMPACTION PLATFORM
- INFERRED CORE BACKFILL
- AS-BUILT CUTOFF WALL (CSB)
- AS-BUILT CUTOFF WALL (SB)
- AS-BUILT JET GROUT
- GROUT CURTAIN

0 5 10 15 20 25
SCALE: A

DRAWING NO.	REFERENCES

REV	DATE	DES	REVISION DESCRIPTION	CADD	CHK	RVW
2	15DEC12	KD	AS-BUILT	JD	GRB	FE
1	31JUL09	FE	REVISED DRAWING TITLE	JK	FE	MRJ
0	17JUL09	FE	ISSUED FOR CONSTRUCTION	MSH	FE	MRJ
B	22MAY09	FE	REVISED ISSUED FOR TENDER	JK	DRW	MRJ
A	08MAY09	FE	ISSUED FOR TENDER	JK	DRW	MRJ

STAMP

PROJECT

AEM

AGNICO-EAGLE MINES LIMITED
MEADOWBANK GOLD PROJECT
NUNAVUT

TITLE

BAY-GOOSE DIKE CROSS SECTIONS (NORTH PORTION) (2 OF 2)

Golder Associates

PROJECT No.	08-1428-0028/4200		FILE No.	0814280028-4200_2_15
DESIGN	FE	17APR09	SCALE AS SHOWN	REV. 2
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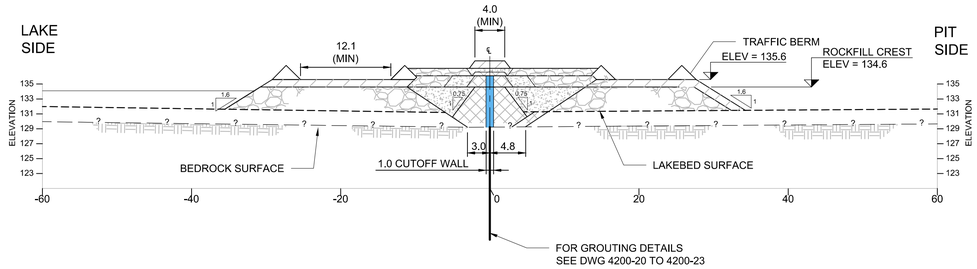
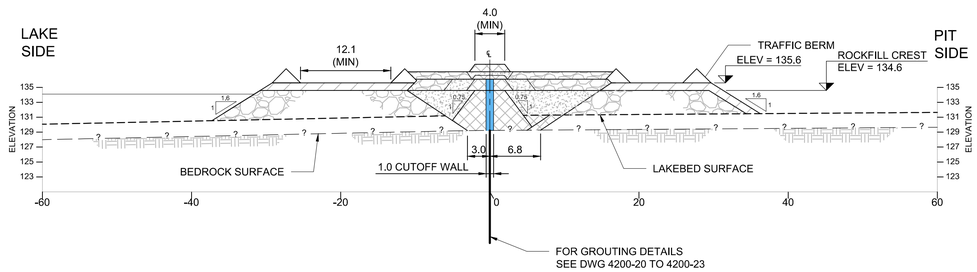
CHECK	DRW	08MAY09		
REVIEW	MRJ	08MAY09		



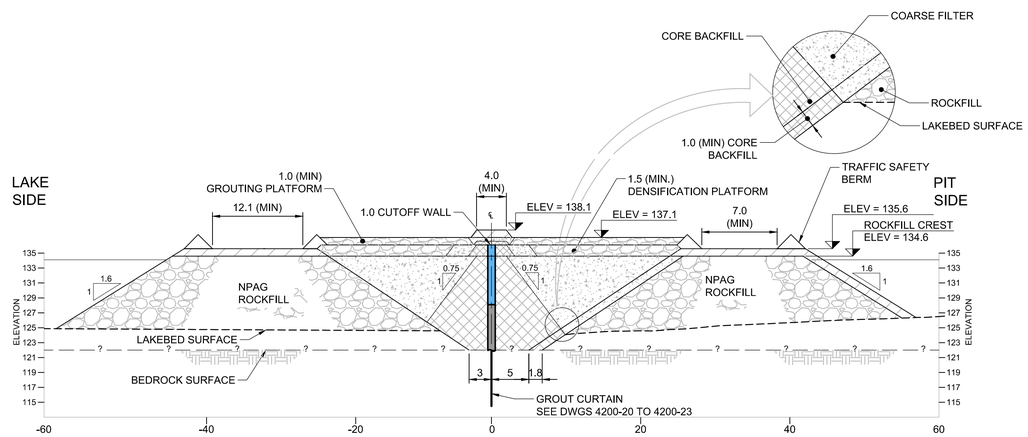
A / 4200-05 TYPICAL SECTION - BEDROCK ABOVE ELEVATION 129.1

SCALE: A



B / 4200-05 TYPICAL SECTION - BEDROCK ELEVATION BETWEEN 127.6 AND 129.1

SCALE: A



C / 4200-05 TYPICAL SECTION - BEDROCK ELEVATION BELOW 127.6

SCALE: A

LEGEND

- INFERRED BEDROCK
- COARSE FILTER
- CORE BACKFILL
- NPAG ROCKFILL SURFACING AND THERMAL CAP
- ROCKFILL
- SOIL BENTONITE CUTOFF WALL
- CEMENT SOIL BENTONITE CUTOFF WALL

NOTES

1) ALL DIMENSIONS ARE IN METRES UNLESS OTHERWISE NOTED.
2) ALL ELEVATIONS ARE IN METRES ABOVE SEA LEVEL (MASL), UNLESS OTHERWISE NOTED.
3) LAKEBED SURFACE BASED ON BATHYMETRIC SURVEY BY GOLDER ASSOCIATES LTD. 2008.
4) ALL SLOPES SHOWN ARE NOMINAL VALUES.
5) GEOCHEMICAL CLASSIFICATION OF NPAG MATERIALS WAS THE RESPONSIBILITY OF AEM.
6) EXCAVATION TO COMPETENT BEDROCK SURFACE APPROVED BY ENGINEER.
7) ALL ICE RICH MATERIAL BENEATH THE CUTOFF WALL WAS EXCAVATED FROM STA. 30+000 TO 30+860.
8) BEDROCK AND LAKEBED SURFACES ARE SHOWN AS SMOOTH LINES FOR ILLUSTRATIVE PURPOSES.
9) MATERIAL PLACEMENT ANGLES FOR THE COARSE FILTER AND CORE BACKFILL ARE APPROXIMATE.

0 4 8 12 16 20
SCALE: A

PROJECT

AEM

AGNICO-EAGLE MINES LIMITED
MEADOWBANK GOLD PROJECT
NUNAVUT

TITLE

BAY-GOOSE DIKE
NORTH PORTION TYPICAL SECTION

Golder Associates

PROJECT No.	08-1428-0028/4200		FILE No. 0814280028-4200_1_17
DESIGN	FE	29JUL09	SCALE AS SHOWN REV. 1
CADD	JK	29JUL09	4200-17
CHECK	FE	31JUL09	
REVIEW	MRJ	31JUL09	

STAMP

REV	DATE	DES	REVISION DESCRIPTION	CADD	CHK	RVW
1	15DEC12	KD	AS-BUILT	JD	GRB	FE
0	31JUL09	FE	ISSUED FOR CONSTRUCTION	JK	FE	MRJ

DRAWING NO. | REFERENCES

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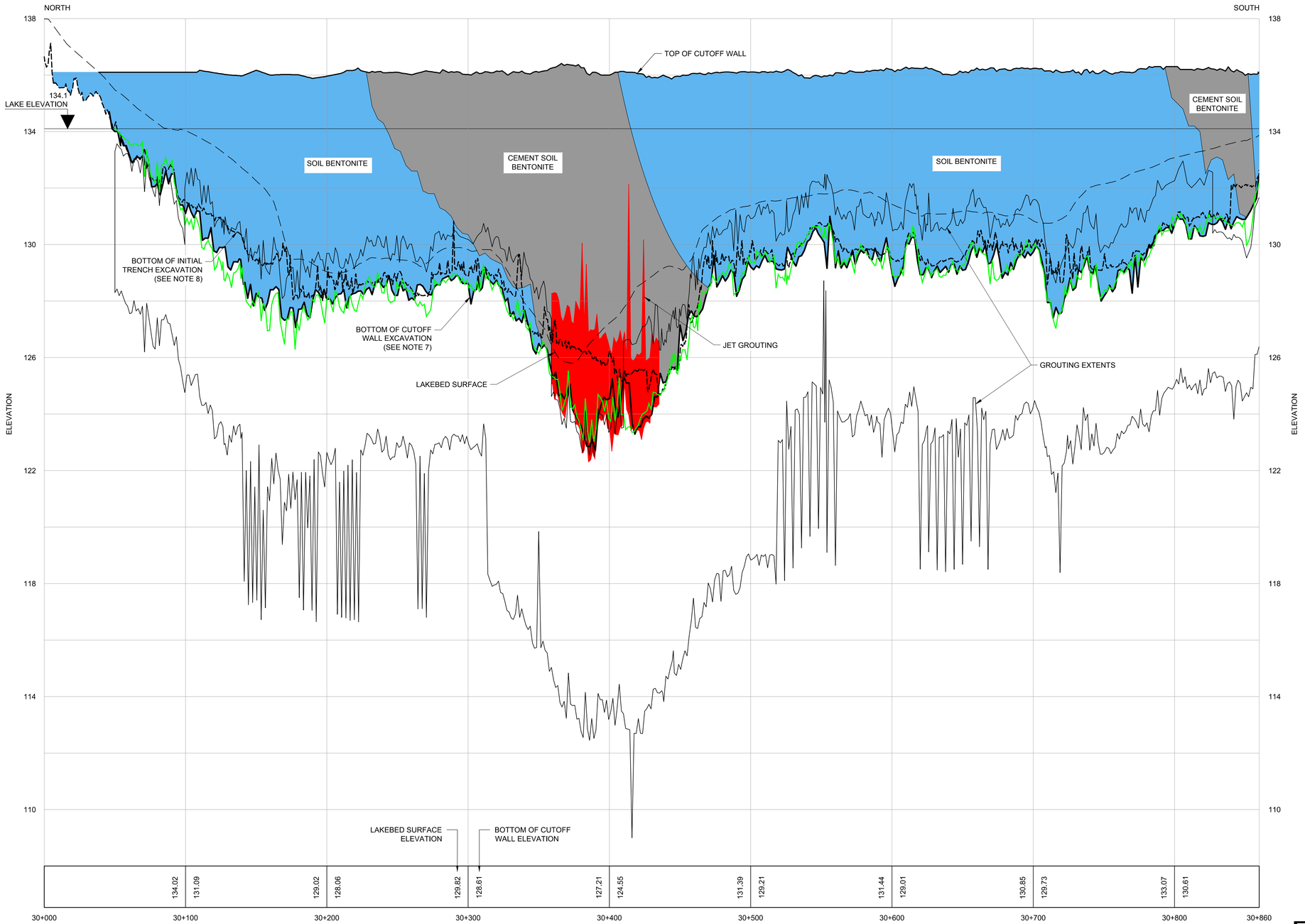


LEGEND

- LAKEBED SURFACE
- TOP OF CUTOFF WALL
- BOTTOM OF CUTOFF WALL
- INITIAL TRENCH EXCAVATION SURFACE
- GROUTING EXTENT
- INFERRED BEDROCK (DRILLING/JET GROUTING)
- CEMENT SOIL BENTONITE
- SOIL BENTONITE
- JET GROUTING

NOTES

1) ALL DIMENSIONS ARE IN METERS UNLESS OTHERWISE NOTED.
2) ALL ELEVATIONS ARE IN METERS ABOVE SEA LEVEL (MASL), UNLESS OTHERWISE NOTED.
3) TOPOGRAPHIC CONTOUR INFORMATION ON LAND SUPPLIED BY AGNICO-EAGLE MINES LIMITED (AEM), MEADOWBANK DIVISION.
4) LAKEBED SURFACE BASED ON OCTOBER 2008 BATHYMETRIC SURVEY.
5) LAKE CONTOURS ARE BASED ON SURVEYED LAKE SURFACE ELEVATIONS: THIRD PORTAGE LAKE = 134.1m (2008)
6) REFER TO DWG 4300-26 FOR SOUTHERN PORTION AS-BUILT LONGITUDINAL SECTION.
7) CUTOFF WALL TRENCH EXCAVATION TO COMPETENT BEDROCK SURFACE APPROVED BY ENGINEER FOR NORTHERN PORTION OF THE DIKE (STA. 30+000 TO 31+860). EXCAVATION DEPTH BASED ON PLUMB-BOB SURVEY AT 2m INCREMENTS.
8) BOTTOM OF INITIAL TRENCH EXCAVATION BASED ON BATHYMETRIC SURVEY DATA OBTAINED DURING CONSTRUCTION.
9) BEDROCK ELEVATION INFERRED BASED ON INFORMATION FROM CASING INSTALLATION FOR GROUTING AND JET GROUTING.

0 15 30 45 60 75
SCALE: A
VERTICAL EXAGGERATION = 20X

PROJECT

AEM

AGNICO-EAGLE MINES LIMITED
MEADOWBANK GOLD PROJECT
NUNAVUT

TITLE

BAY-GOOSE DIKE LONGITUDINAL SECTION (NORTH PORTION)

Golder Associates

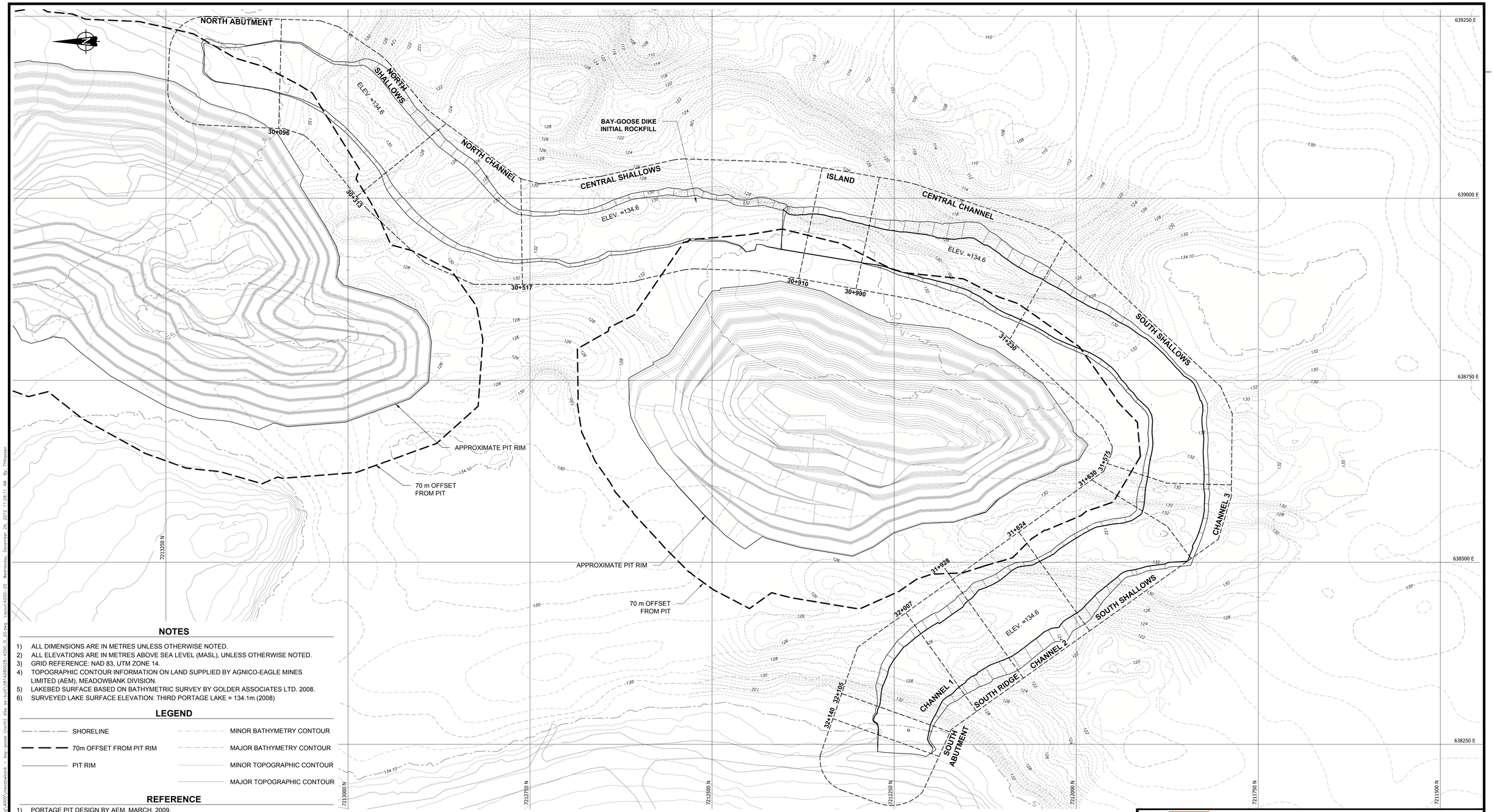
PROJECT No.	08-1428-0028/4200	FILE No.	0814280028-4200_1_18
DESIGN	JU	04JUL08	SCALE AS SHOWN REV. 1
CADD	EA	09DEC08	4200-18
CHECK	JU	24DEC08	
REVIEW	JCC	24DEC08	

STAMP

REV	DATE	DES	REVISION DESCRIPTION	CADD	CHK	RVW
1	15DEC12	KD	AS-BUILT	JD	GRB	FE
0	17JUL09	FE	ISSUED FOR CONSTRUCTION	MSH	FE	MRJ
D	22MAY09	FE	REVISED ISSUED FOR TENDER	MSH	DRW	MSH
C	08MAY09	FE	ISSUED FOR TENDER	MSH	DRW	MRJ
B	02FEB09	JU	ISSUED FOR REVIEW	EA	FE	JCC
A	24DEC08	JU	ISSUED FOR REVIEW	EA	JU	JCC

DRAWING NO. REFERENCES

Drawing File: N:\Cor-graphics\Projects\2008\1428-5020\Drafting\4200\wesdwcsect - bay-goose (north) 45x as-built\0814280028-4200_1_18.dwg Layout:4200-1.8 Wednesday, December 26, 2012 11:27:28 AM By: TWissman



NOTES

1) ALL DIMENSIONS ARE IN METRES UNLESS OTHERWISE NOTED.
2) ALL ELEVATIONS ARE IN METRES ABOVE SEA LEVEL (MASL), UNLESS OTHERWISE NOTED.
3) GRID REFERENCE: NAD 83, UTM ZONE 14.
4) TOPOGRAPHIC CONTOUR INFORMATION ON LAND SUPPLIED BY AGNICO-EAGLE MINES LIMITED (AEM), MEADOWBANK DIVISION.
5) LAKEBED SURFACE BASED ON BATHYMETRIC SURVEY BY GOLDER ASSOCIATES LTD. 2008.
6) SURVEYED LAKE SURFACE ELEVATION: THIRD PORTAGE LAKE = 134.1m (2008)

LEGEND

- SHORELINE
- 70m OFFSET FROM PIT RIM
- PIT RIM
- MINOR BATHYMETRY CONTOUR
- MAJOR BATHYMETRY CONTOUR
- MINOR TOPOGRAPHIC CONTOUR
- MAJOR TOPOGRAPHIC CONTOUR

REFERENCE

1) PORTAGE PIT DESIGN BY AEM, MARCH, 2009.
2) GOOSE ISLAND PIT DESIGN BY AEM, MARCH, 2009.
3) ROAD AND MINE FACILITIES PROVIDED BY AEM, JANUARY, 2009.

DRAWING NO.	REFERENCES

REV	DATE	DES	REVISION DESCRIPTION	CADD	CHK	RVW
1	15DEC12	KD	AS-BUILT	JD	GRB	FE
0	17JUL09	GRB	ISSUED FOR CONSTRUCTION	EA	FE	MRJ
B	22MAY09	FE	REVISED ISSUED FOR TENDER	MSH	DRW	MRJ
A	08MAY09	FE	ISSUED FOR TENDER	MSH	DRW	MRJ

STAMP

PROJECT

AEM

AGNICO-EAGLE MINES LIMITED
MEADOWBANK GOLD PROJECT
NUNAVUT

TITLE

BAY-GOOSE DIKE GROUTING WORK AREAS - PLAN

Golder Associates

PROJECT No.	08-1428-0028/4200		FILE No.	0814280028-4200_0_20
DESIGN	GRB	07MAY09	SCALE AS SHOWN	REV. 1
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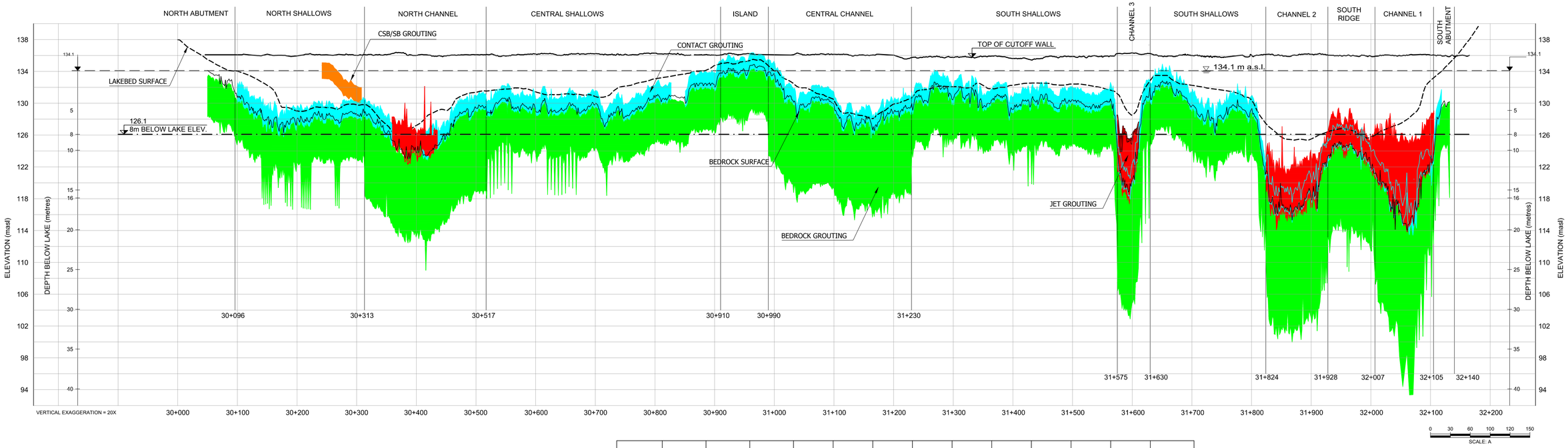
CHECK	DRW	08MAY09		
REVIEW	MRJ	08MAY09		



	North Abutment	North Shallows	North Channel	Central Shallows	Island	Central Channel	South Shallows	Channel 3	South Shallows	Channel 2	South Ridge	Channel 1	South Abutment
From	~30+050	30+096	30+313	30+517	30+910	30+990	31+230	31+575	31+630	31+824	31+928	32+007	32+105
To	30+096	30+313	30+517	30+910	30+990	31+230	31+575	31+630	31+824	31+928	32+007	32+105	32+140
PWALL =	1.2	1.6	2.2	0.8	0.6	1.8	1.4	2.4	1.2	3.4	3.2	3.8	1.6

Stage	Depth below Casing From	Depth below Casing To	Sequence	Stage Length (m)	QMAX (L/min)	VMAX (Litres)	PMAX (bars)	PMAX (bars)	PMAX (bars)	PMAX (bars)	PMAX (bars)	PMAX (bars)	PMAX (bars)	PMAX (bars)	PMAX (bars)	PMAX (bars)	PMAX (bars)	PMAX (bars)	PMAX (bars)
Stage 1a	20	25	P,S,T,Q	5	12 (20)	2500	--	--	--	--	--	--	--	--	--	--	--	--	--
Stage 1b	15	20	P,S,T,Q	5	12 (20)	2500	--	--	--	--	--	--	--	--	--	--	--	12.6 [9]	--
Stage 1c	10	15	P,S,T,Q	5	12 (20)	2500	--	--	--	--	--	--	--	8.7	--	9.7	--	10.1	--
Stage 1	5	10	P,S,T,Q	5	12 (20)	2500	--	--	6	--	--	5.6	--	6.2	--	7.2	7.0	7.8	5.6
Stage 2	1	5	P,S,T,Q	4	12 (20)	2000	2.2	2.6	3.2	2	1.6	2.8	2.4	3.4	2.2	4.4	4.2	5.6	3.4
Stage 3	0	1	P,S	1	10 (30)	1000 (600)	2.5	3	3.5	3	2.5	3.5	3	3.5	3	4.5	4.5	5.5	3.5
			T,Q				2	2.5	3	2.5	2	3	2.5	3	2.5	4	4	5	3
Stage 4	0	-2	P,S	2	15 (30)	1000 (800)	2	2.5	3	2.5	2	3	2.5	3.5	2.5	4	4	5	3
			T,Q				1.5	2	2.5	2	1.5	2.5	2	3	2	3.5	3.5	4.5	2.5
Stage 5	-2	-4	P,S	2	15 (30)	1000	--	--	--	--	--	--	--	--	--	--	--	--	--
			T,Q				--	--	--	--	--	--	--	--	--	--	--	--	--

NOTES

1) ALL DRILLING AND GROUTING ACTIVITIES WERE CARRIED OUT AS PER SECTION S7 OF THE SPECIFICATIONS AND SITE INSTRUCTIONS SI-001, AND SI-003 THROUGH SI-011, INCLUSIVE.
2) STAGES 1b AND 1c WERE DRILLED AND GROUTED TO A MAXIMUM OF 20m DEPTH BELOW THE BEDROCK/SOIL CONTACT DEPENDING ON THE DEPTH TO BEDROCK BELOW THE LAKE SURFACE.
3) P = PRIMARY, S = SECONDARY, T = TERTIARY AND Q = QUATERNARY
4) STAGE LENGTHS FOR STAGES 3, 4 AND 5 WERE 1m, 1.5m TO 2.0m DEPENDING ON INTERPRETED THICKNESS OF LAKE BED SEDIMENTS ENCOUNTERED, AND 2.0m, RESPECTIVELY.
5) Q_{MAX} PROVIDED IN BRACKETS IS THE MAXIMUM POSSIBLE INJECTION RATE WHILE THE OBSERVED INJECTION PRESSURE DURING GROUTING REMAINED BELOW 1 BAR.
6) V_{MAX} CALCULATED USING A GROUT TAKE OF 500 L/m STAGE LENGTH IN BEDROCK; 1000 L IN STAGES 3, 4 AND 5 IN THE NORTH PORTION; AND 600 L AND 800 L, RESPECTIVELY, IN STAGES 3 AND 4 IN THE SOUTH PORTION.
7) IN EACH WORK AREA, PWALL = 0.2 BAR/METRE DEPTH (ON AVERAGE) FROM THE TOP OF THE CUTOFF WALL TO THE BEDROCK CONTACT.
8) P_{MAX} INCLUDES THE WEIGHT OF THE HEAD OF GROUT ABOVE THE WATER TABLE.
9) BOXED STAGE IN EACH WORK AREA INDICATE STAGES GROUTED. BETWEEN STA. 32+048 AND 32+072, THE GROUT CURTAIN WAS EXTENDED 20m INTO BEDROCK.
10) WITH THE EXCEPTION OF THOSE SECTIONS PROVIDED IN NOTE (11), DESIGN SECTION "TYPICAL GROUT CURTAIN DETAIL" SHOWN ON DWG. 4200-22 WAS CONSTRUCTED.
11) BETWEEN STA. 30+359 AND 30+435.5 (NORTH CHANNEL), 31+574.5 TO 31+611.5 (CHANNEL 3), 31+824.5 AND 32+106 (CHANNELS 1, 1-2, AND 2), DESIGN SECTION "TYPICAL MEDIUM DEPTH GROUT CURTAIN DETAIL" SHOWN ON DWG. 4200-22 WAS CONSTRUCTED.
12) BASED ON THE PRESENCE OF FROZEN BEDROCK CONDITIONS, AS DETERMINED BY THE INSTALLATION OF THERMISTORS BY AEM DURING CONSTRUCTION, BEDROCK GROUTING OF THE NORTH ABUTMENT DOWNSTATION OF 30+050 AND THE SOUTH ABUTMENT UPSTATION OF 32+132 WAS NOT CARRIED OUT. INSTALLED THERMISTOR LOCATIONS PROVIDED ON DWG 4200-31, 4300-31 AND 4200-11B.
13) ALL DIMENSIONS ARE IN METRES UNLESS OTHERWISE NOTED.
14) ALL ELEVATIONS ARE IN METRES ABOVE SEA LEVEL (MASL), UNLESS OTHERWISE NOTED.
15) TOPOGRAPHIC CONTOUR INFORMATION ON LAND SUPPLIED BY AGNICO-EAGLE MINES LIMITED (AEM), MEADOWBANK DIVISION.
16) LAKEBED SURFACE BASED ON BATHYMETRIC SURVEY BY GOLDER ASSOCIATES LTD. 2008.
17) LAKE CONTOURS ARE BASED ON SURVEYED LAKE SURFACE ELEVATIONS: THIRD PORTAGE LAKE = 134.1m (2008) .
18) DEPTH TO LAKEBED AND BEDROCK BENEATH CUTOFF WALL CENTRELINE PRESENTED BASED ON CASING INSTALLATION AND JET DRILLING DETAILS OBTAINED DURING CONSTRUCTION.

LEGEND

- LAKE BED SURFACE
- BEDROCK SURFACE
- JET GROUTING
- CONTACT GROUTING
- CSB/SB GROUTING
- BEDROCK GROUTING

DRAWING NO.	REFERENCES	REV	DATE	DES	REVISION DESCRIPTION	CADD	CHK	RVW
		1	15DEC12	KD	AS-BUILT	JD	GRB	FE
		0	17JUL09	FE	ISSUED FOR CONSTRUCTION	JK/MSH	FE	MRJ
		C	22MAY09	FE	REVISED ISSUED FOR TENDER	JK/MSH	FE	MRJ
		B	08MAY09	FE	ISSUED FOR TENDER	JK/MSH	DRW	MRJ
		A	02FEB09	JU	ISSUED FOR REVIEW	EA	FE	JCC

STAMP

PROJECT

AEM

AGNICO-EAGLE MINES LIMITED
MEADOWBANK GOLD PROJECT
NUNAVUT

TITLE

BAY-GOOSE DIKE
GROUTING WORK AREAS - PROFILE

Golder Associates

PROJECT No.	08-1428-0028/4200		FILE No.	0814280028-4200_0_21
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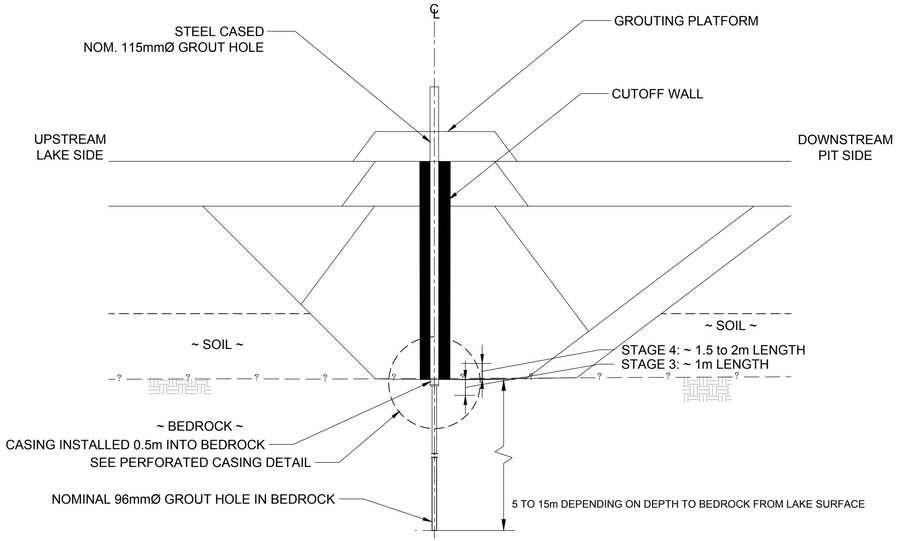
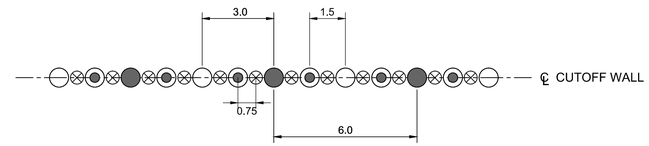


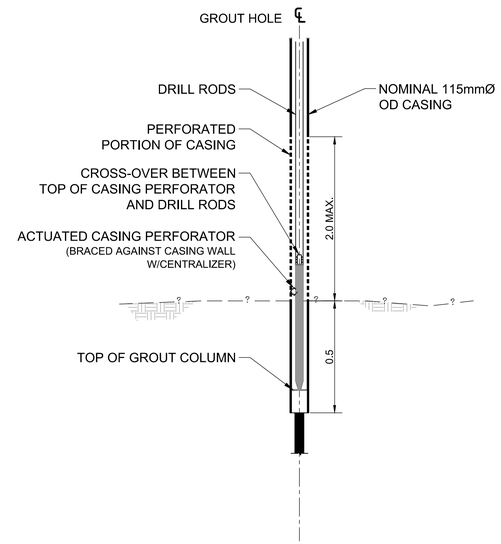
TYPICAL GROUT CURTAIN DETAIL (WITH CUTOFF WALL EXTENDED TO BEDROCK)

SCHEMATIC ONLY (NOT TO SCALE)



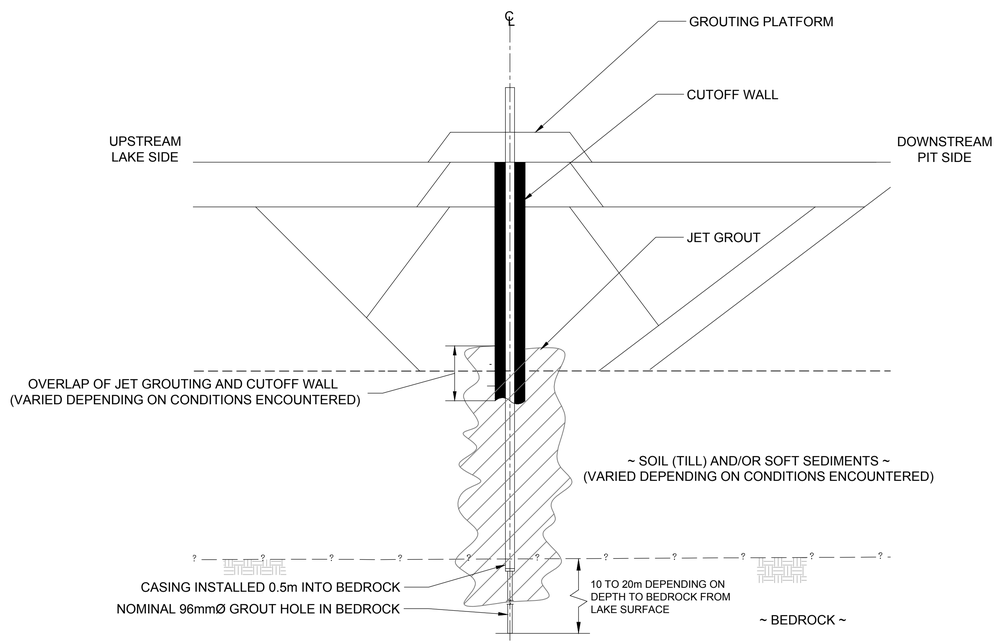
TYPICAL GROUT HOLE SPACING

SCHEMATIC ONLY (NOT TO SCALE)



PERFORATED CASING DETAIL

SCHEMATIC ONLY (NOT TO SCALE)



TYPICAL MEDIUM DEPTH GROUT CURTAIN DETAIL (WITH PARTIAL CUTOFF)

SCHEMATIC ONLY (NOT TO SCALE)

NOTES

1) ALL DRILLING AND GROUTING ACTIVITIES WERE CARRIED OUT AS PER SECTION S7 OF THE SPECIFICATIONS AND SITE INSTRUCTIONS SI-001, AND SI-003 THROUGH SI-011, INCLUSIVE.
2) ALL DIMENSIONS IN METRES UNLESS OTHERWISE INDICATED.
3) CASING PERFORATION WAS CARRIED OUT AS PER SECTION S7.7 AND SHOWN ON DRAWING 4200-23.
4) THE PERFORATOR WAS CAPABLE OF PUNCTURING SINGLE ROWS OF 2.5mm (0.1") WIDE, 25mm (1") LONG SLOTS THROUGH STEEL CASINGS OF UP TO 11mm (0.45") THICKNESS.
5) WITH THE EXCEPTION OF THOSE SECTIONS PROVIDED IN NOTE (6), DESIGN SECTION "TYPICAL GROUT CURTAIN DETAIL" WAS CONSTRUCTED.
6) BETWEEN STA. 30+359 AND 30+435.5 (NORTH CHANNEL), 31+574.5 TO 31+611.5 (CHANNEL 3), 31+824.5 AND 32+106 (CHANNELS 1, 1-2, AND 2), DESIGN SECTION "TYPICAL MEDIUM DEPTH GROUT CURTAIN DETAIL" WAS CONSTRUCTED.
7) QUATERNARY GROUT HOLES WERE INSTALLED AND GROUTED, WHERE REQUIRED, BASED ON OBSERVED GROUT TAKES IN ADJACENT HOLES.

LEGEND

- PRIMARY HOLES (6.0 SPACING)
- SECONDARY HOLES (3.0 FROM PRIMARY HOLES)
- TERTIARY HOLES (1.5 FROM SECONDARY HOLES)
- QUATERNARY HOLES (0.75 FROM TERTIARY HOLES)
- LAKEBED SURFACE
- INFERRED CONTACT LAKEBED SOIL AND BEDROCK

DRAWING NO.	REFERENCES
4200-23	GROUTING PROCEDURE PERFORATED CASING AND TAM
4200-21	GROUTING WORK AREAS - PROFILE
4200-20	GROUTING WORK AREAS - PLAN
4200-18	LONGITUDINAL SECTION (NORTH PORTION)
4200-12	INSTRUMENTATION SECTION DETAILS (NORTH PORTION)
4200-11	INSTRUMENTATION PLAN AND PROFILE (NORTH PORTION)

REV	DATE	DES	REVISION DESCRIPTION	CADD	CHK	RVW
1	15DEC12	KD	AS-BUILT	JD	GRB	FE
0	17JUL09	GRB	ISSUED FOR CONSTRUCTION	MSH	FE	MRJ
B	22MAY09	FE	REVISED ISSUED FOR TENDER	MSH	DRW	MRJ
A	08MAY09	FE	ISSUED FOR TENDER	MSH	DRW	MRJ

STAMP

PROJECT

AGNICO-EAGLE MINES LIMITED
MEADOWBANK GOLD PROJECT
NUNAVUT

TITLE

BAY-GOOSE DIKE GROUTING DETAILS

Golder Associates

PROJECT No.	08-1428-0028/4200		FILE No.	0814280028-4200_0_22
DESIGN	FE	07MAY09	SCALE AS SHOWN	REV. 1
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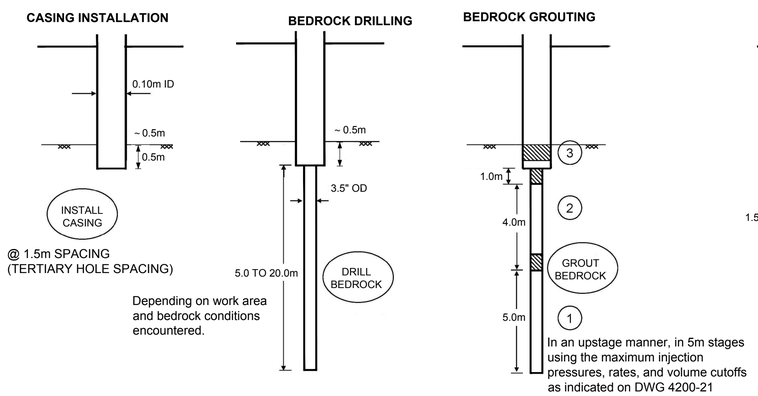
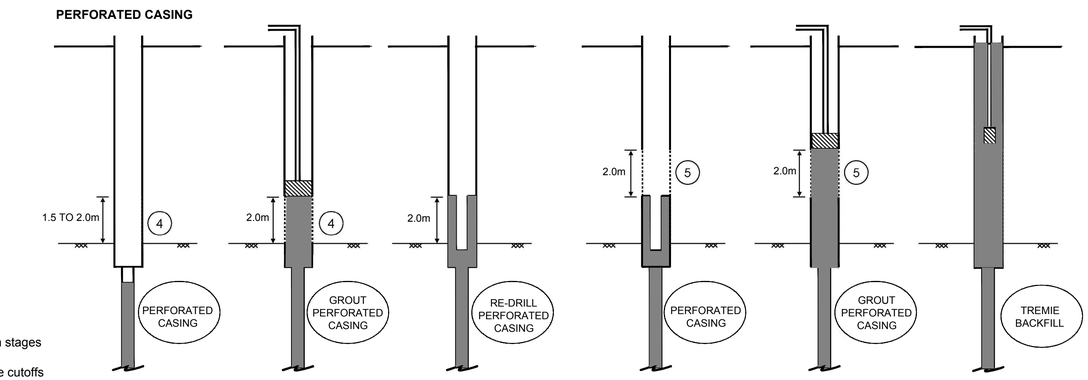
REVIEW	MRJ	08MAY09		



CASING INSTALLATION AND GROUTING PROCEDURE
SCHEMATIC ONLY - NOT TO SCALE



PERFORATED CASING INSTALLATION AND GROUTING PROCEDURE
SCHEMATIC ONLY - NOT TO SCALE

LEGEND

1	STAGE 1
2	STAGE 2
3	STAGE 3
4	STAGE 4
5	STAGE 5

NOTES

1) ALL DRILLING AND GROUTING ACTIVITIES WERE CARRIED OUT AS PER SECTION S7 OF THE SPECIFICATIONS AND SITE INSTRUCTIONS SI-001, AND SI-003 THROUGH SI-011, INCLUSIVE.
2) AS SHOWN ON DWG. 4200-21 AND 4200-22, THE NUMBER OF STAGES GROUTED DEPENDED ON THE DEPTH OF WATER, BEDROCK CONDITIONS ENCOUNTERED, AND THICKNESS OF SOIL MATERIALS, IF ANY, LEFT IN PLACE BENEATH THE CUTOFF WALL DURING CONSTRUCTION.

DRAWING NO.	REFERENCES
4200-06	GROUTING WORK AREAS - PLAN
4200-01	SITE PLAN
4200-02	BOREHOLE LOCATION PLAN
4200-20	GROUTING WORK AREAS - PLAN
4200-21	GROUTING WORK AREAS - PROFILE
4200-22	GROUTING DETAILS

REV	DATE	DES	REVISION DESCRIPTION	CADD	CHK	RVW
1	15DEC12	KD	AS-BUILT	JD	GRB	FE
0	17JUL09	GRB	ISSUED FOR CONSTRUCTION	MSH	FE	MRJ
B	22MAY09	FE	REVISED ISSUED FOR TENDER	JK	DRW	MRJ
A	08MAY09	FE	ISSUED FOR TENDER	MSH	DRW	MRJ

STAMP

PROJECT

AEM

AGNICO-EAGLE MINES LIMITED
MEADOWBANK GOLD PROJECT
NUNAVUT

TITLE

BAY-GOOSE DIKE GROUTING PROCEDURE PERFORATED CASING

Golder Associates

PROJECT No.	08-1428-0028/4200		FILE No.	0814280028-4200_0_23	
DESIGN	FE	07MAY09	SCALE	SCHEMATIC	REV. 1
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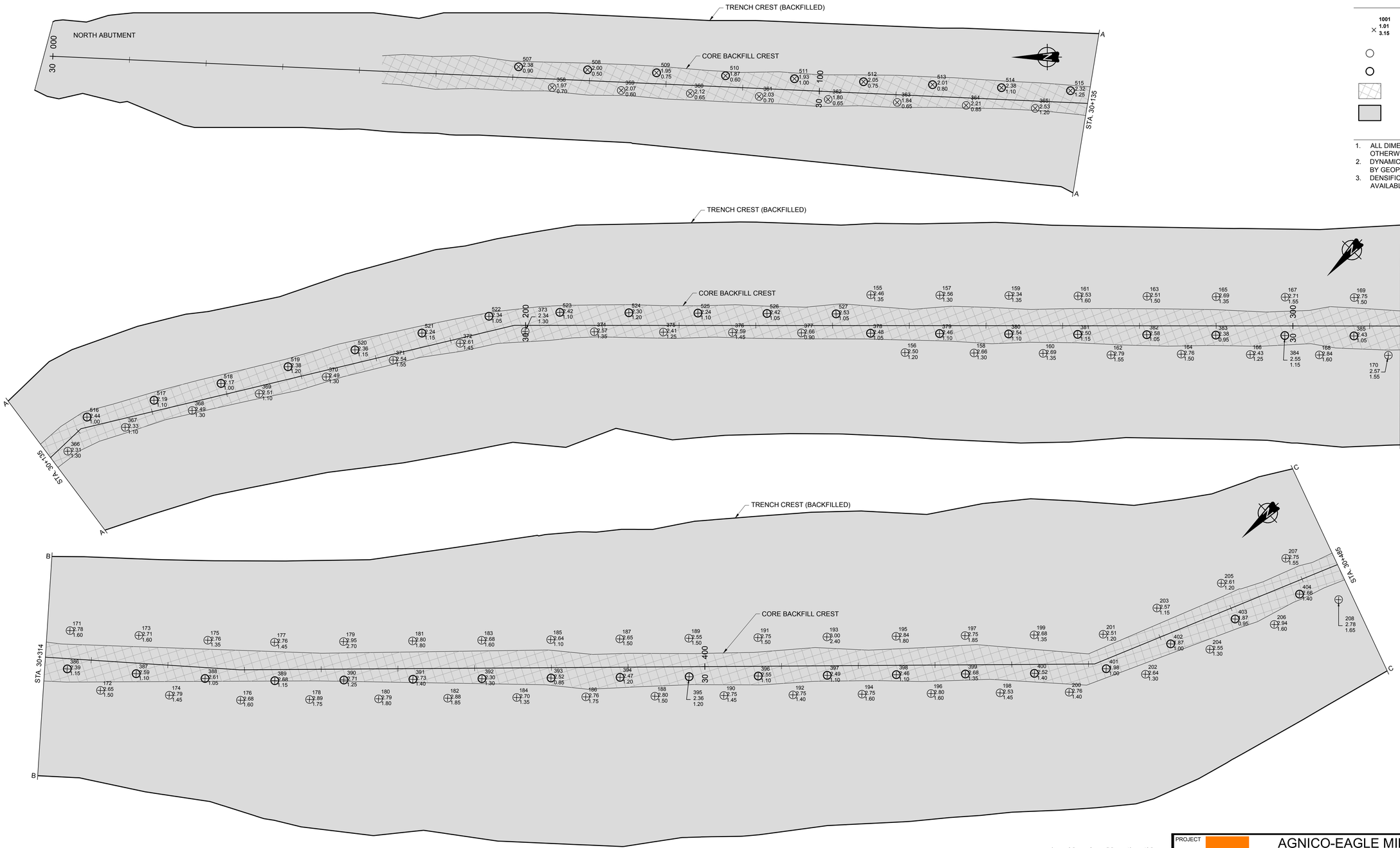


LEGEND

1001	CRATER NUMBER
× 1.01	CRATER DEPTH
3.15	CRATER DIAMETER
○	PHASE 1 CRATER (NOT TO SCALE)
○	PHASE 2 CRATER (NOT TO SCALE)
	CORE BACKFILL
	TRENCH BACKFILL LIMIT

NOTES

1. ALL DIMENSIONS ARE IN METRES UNLESS OTHERWISE NOTED.
2. DYNAMIC COMPACTATION SURVEY PROVIDED BY GEOPAC TECH INC.
3. DENSIFICATION PLATFORM SURVEY NOT AVAILABLE.

0 2.5 5 7.5 10 12.5
SCALE: A

DRAWING NO.	REFERENCES

REV	DATE	DES	REVISION DESCRIPTION	CADD	CHK	RVW
0	15DEC12	KD	AS-BUILT	JD	GRB	FE

STAMP

PROJECT

AEM

AGNICO-EAGLE MINES LIMITED
MEADOWBANK GOLD PROJECT
NUNAVUT

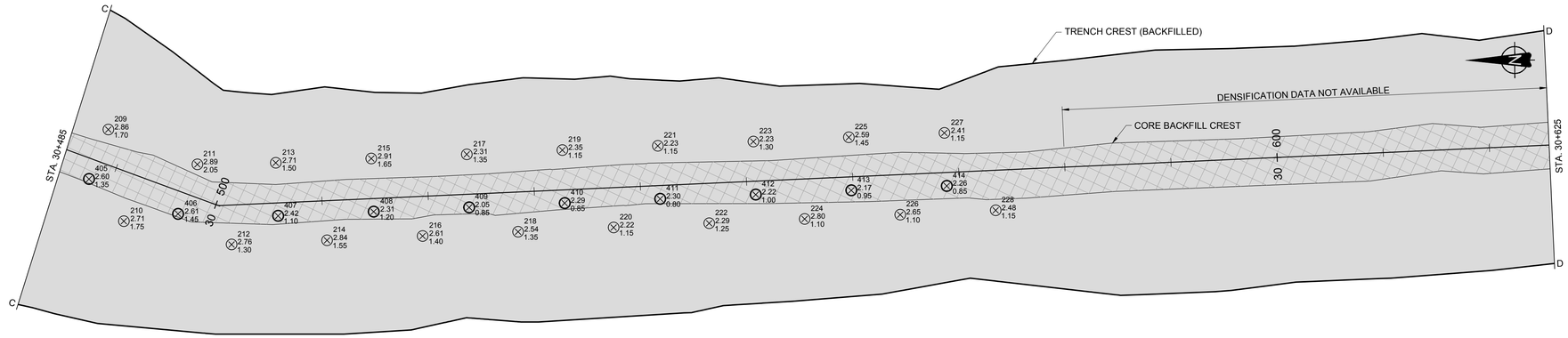
TITLE

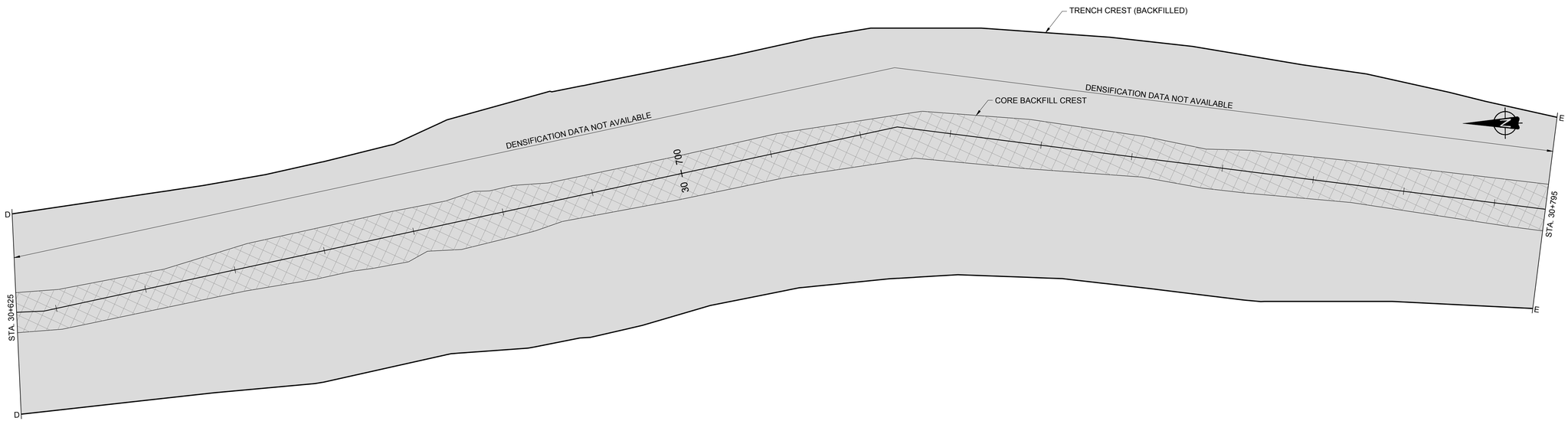
BAY-GOOSE DIKE
DENSIFICATION PLAN - PHASE 1 AND 2 (NORTH PORTION) (1 OF 2)

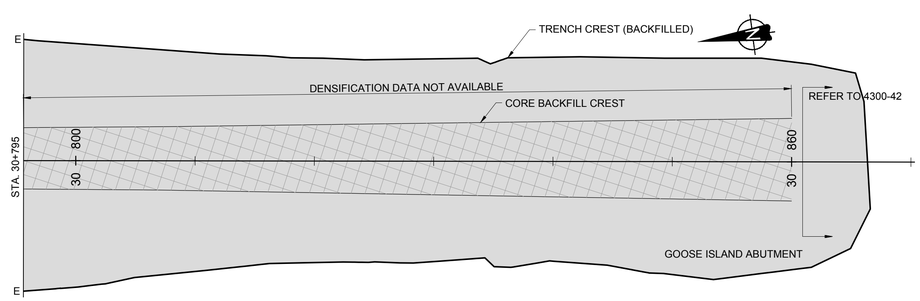
Golder Associates

PROJECT No.	08-1428-0028/4200		FILE No.	0814280028-4200_0_30
DESIGN	FA	27FEB12	SCALE AS SHOWN	REV. 0
CADD	JD	28FEB12	4200-30	
CHECK	GRB	15DEC12		
REVIEW	FE	15DEC12		

Drawing File: N:\our-graphics\Projects\2009\1428\08-1428-5007\Drafting\4000\meadowbank - bay-goose (north) dike as-built\0814280028-4200_0_30.dwg Layout:DENSIFICATION PLAN PHASE 1 AND PHASE 2 (1 OF 2) Friday, December 14, 2012 3:15:57 PM By: TYKassen







LEGEND

1001	CRATER NUMBER
× 1.01	CRATER DEPTH
3.15	CRATER DIAMETER
○	PHASE 1 CRATER (NOT TO SCALE)
○	PHASE 2 CRATER (NOT TO SCALE)
	CORE BACKFILL
	TRENCH BACKFILL LIMIT

NOTES

1. ALL DIMENSIONS ARE IN METRES UNLESS OTHERWISE NOTED.
2. DYNAMIC COMPACTATION SURVEY PROVIDED BY GEOPAC TECH INC.
3. DENSIFICATION PLATFORM SURVEY NOT AVAILABLE.

0 2.5 5 7.5 10 12.5
SCALE: A

PROJECT

AEM

AGNICO-EAGLE MINES LIMITED
MEADOWBANK GOLD PROJECT
NUNAVUT

TITLE

BAY-GOOSE DIKE
DENSIFICATION PLAN - PHASE 1 AND 2 (NORTH PORTION) (2 OF 2)

Golder Associates

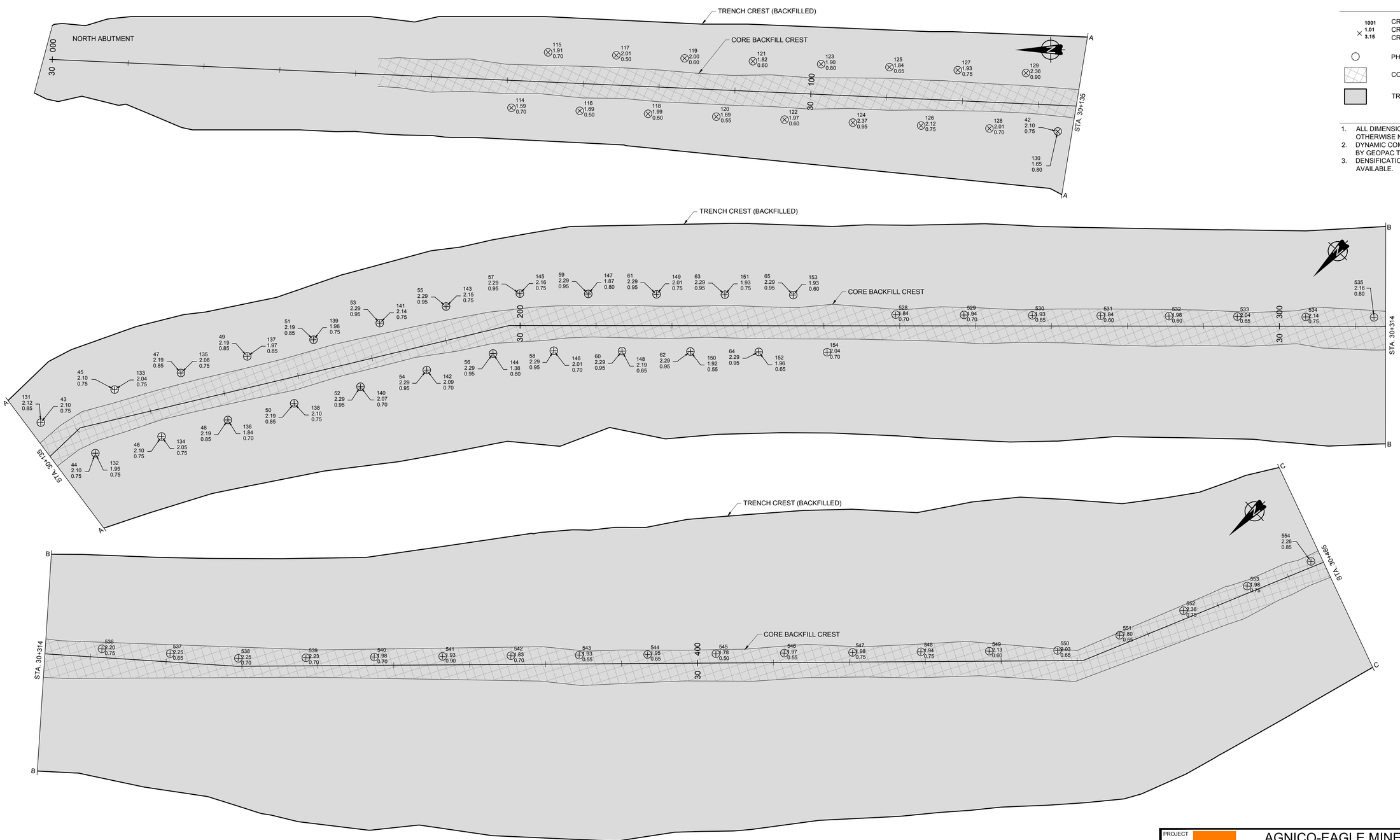
PROJECT No.	08-1428-0028/4200	FILE No.	0814280028-4200_0_31
DESIGN	FA	27FEB12	SCALE AS SHOWN REV. 0
CADD	JD	28FEB12	4200-31
CHECK	GRB	15DEC12	
REVIEW	FE	15DEC12	

STAMP

REV	DATE	DES	REVISION DESCRIPTION	CADD	CHK	RVW
0	15DEC12	KD	AS-BUILT	JD	GRB	FE

DRAWING NO.	REFERENCES

Drawing File: N:\bur-graphics\Projects\2009\1428\09-1428-5007\Drafting\4000\meadowbank - bay-goose (north) dike as-built\0814280028-4200_0_31.dwg Layout:DENSIFICATION PLAN PHASE 1 AND PHASE 2 (2 OF 2) Friday, December 14, 2012 3:29:48 PM By: RHorlyck



LEGEND

1001	CRATER NUMBER
1.01	CRATER DEPTH
3.15	CRATER DIAMETER
○	PHASE 3 CRATER (NOT TO SCALE)
	CORE BACKFILL
	TRENCH BACKFILL LIMIT

NOTES

1. ALL DIMENSIONS ARE IN METRES UNLESS OTHERWISE NOTED.
2. DYNAMIC COMPACTATION SURVEY PROVIDED BY GEOPAC TECH INC.
3. DENSIFICATION PLATFORM SURVEY NOT AVAILABLE.

0 2.5 5 7.5 10 12.5
SCALE: A

PROJECT

AEM

AGNICO-EAGLE MINES LIMITED
MEADOWBANK GOLD PROJECT
NUNAVUT

TITLE

BAY-GOOSE DIKE DENSIFICATION PLAN - PHASE 3 (NORTH PORTION) (1 OF 2)

Golder Associates

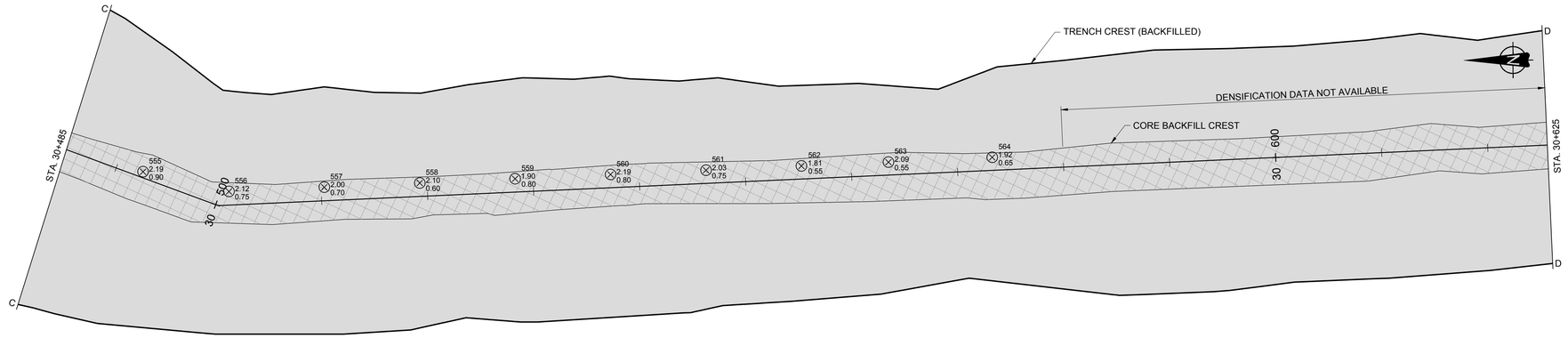
PROJECT No.	08-1428-0028/4200	FILE No.	0814280028-4200_0_32
DESIGN	FA	27FEB12	SCALE AS SHOWN REV. 0
CADD	JD	28FEB12	4200-32
CHECK	GRB	15DEC12	
REVIEW	FE	15DEC12	

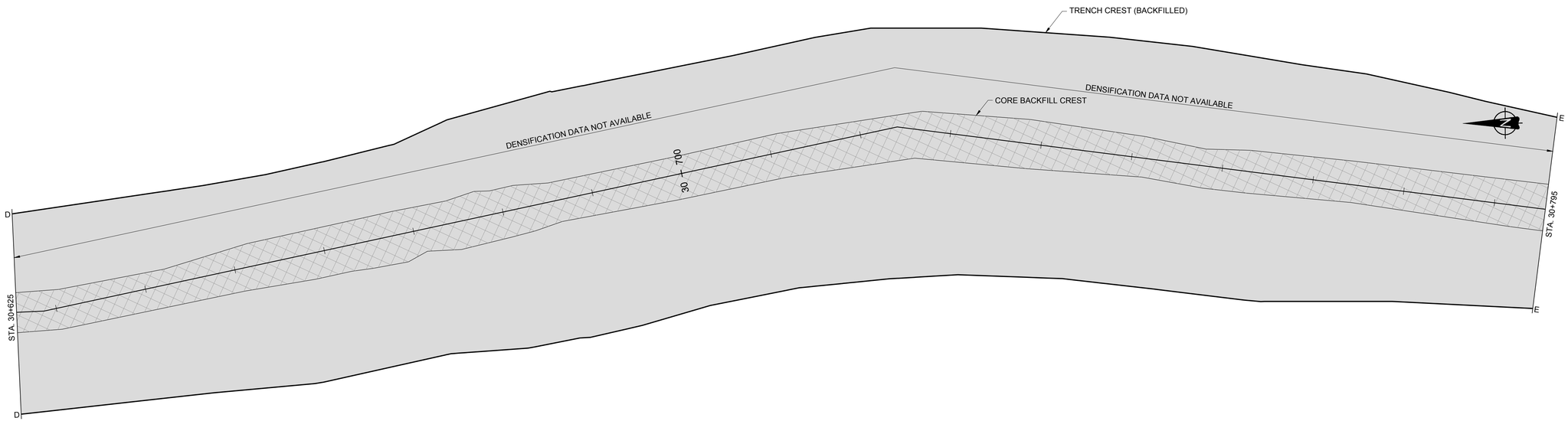
STAMP

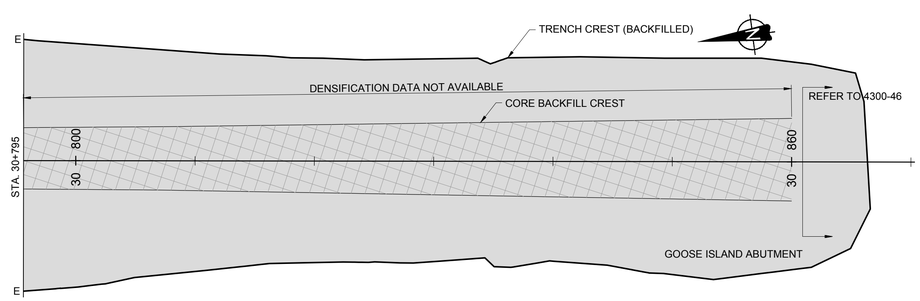
REV	DATE	DES	REVISION DESCRIPTION	CADD	CHK	RVW
0	15DEC12	KD	AS-BUILT	JD	GRB	FE

DRAWING NO.	REFERENCES

Drawing File: N:\bur-graphics\Projects\2009\1428\09-1428-5007\Drafting\4000\meadowbank - bay-goose (north) dike as-built\0814280028-4200_0_32.dwg Layout:DENSIFICATION PLAN PHASE 3 (1 OF 2) Friday, December 14, 2012 3:29:00 PM By: RHorlyck







LEGEND

1001	CRATER NUMBER
× 1.01	CRATER DEPTH
3.15	CRATER DIAMETER
○	PHASE 3 CRATER (NOT TO SCALE)
	CORE BACKFILL
	TRENCH BACKFILL LIMIT

NOTES

1. ALL DIMENSIONS ARE IN METRES UNLESS OTHERWISE NOTED.
2. DYNAMIC COMPACTATION SURVEY PROVIDED BY GEOPAC TECH INC.
3. DENSIFICATION PLATFORM SURVEY NOT AVAILABLE.

0 2.5 5 7.5 10 12.5
SCALE: A

DRAWING NO.	REFERENCES

REV	DATE	DES	REVISION DESCRIPTION	CADD	CHK	RVW
0	15DEC12	KD	AS-BUILT	JD	GRB	FE

STAMP

PROJECT

AEM

AGNICO-EAGLE MINES LIMITED
MEADOWBANK GOLD PROJECT
NUNAVUT

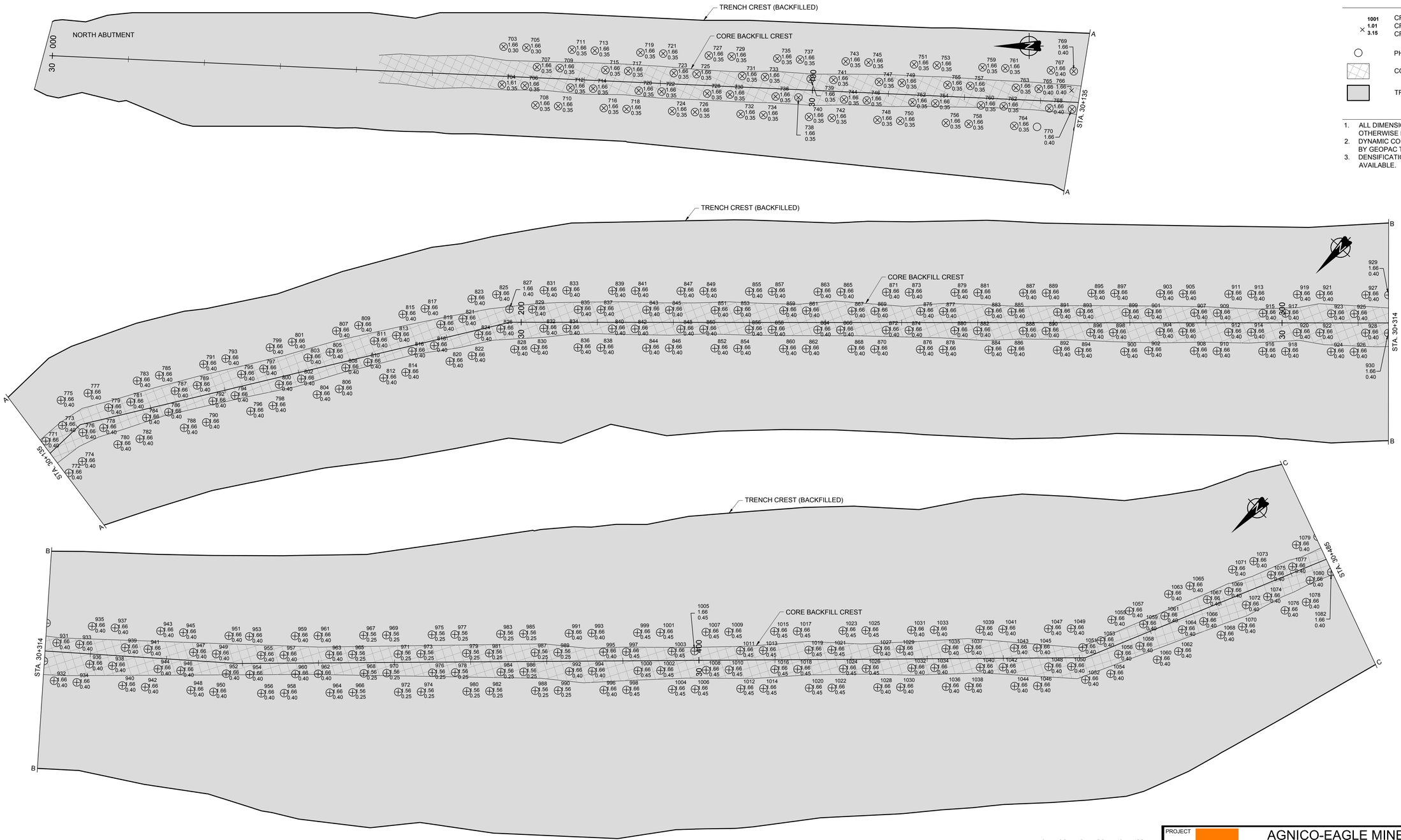
TITLE

BAY-GOOSE DIKE DENSIFICATION PLAN - PHASE 3 (NORTH PORTION) (2 OF 2)

Golder Associates

PROJECT No.	08-1428-0028/4200		FILE No.	0814280028-4200_0_33
DESIGN	FA	27FEB12	SCALE AS SHOWN	REV. 0
CADD	JD	28FEB12	4200-33	
CHECK	GRB	15DEC12		
REVIEW	FE	15DEC12		

Drawing File: N:\bur-graphics\Projects\2009\1428\09-1428-5007\Drafting\4000\meadowbank - bay-goose (north) dike as-built\0814280028-4200_0_33.dwg Layout:DENSIFICATION PLAN PHASE 3 (2 OF 2) Friday, December 14, 2012 3:29:39 PM By: RHorlyck



LEGEND

1001	CRATER NUMBER
× 1.01	CRATER DEPTH
3.15	CRATER DIAMETER
○	PHASE 4 CRATER (NOT TO SCALE)
	CORE BACKFILL
	TRENCH BACKFILL LIMIT

NOTES

1. ALL DIMENSIONS ARE IN METRES UNLESS OTHERWISE NOTED.
2. DYNAMIC COMPACTATION SURVEY PROVIDED BY GEOPAC TECH INC.
3. DENSIFICATION PLATFORM SURVEY NOT AVAILABLE.

0 2.5 5 7.5 10 12.5
SCALE: A

PROJECT

AEM

AGNICO-EAGLE MINES LIMITED
MEADOWBANK GOLD PROJECT
NUNAVUT

TITLE

BAY-GOOSE DIKE DENSIFICATION PLAN - PHASE 4 (NORTH PORTION) (1 OF 2)

Golder Associates

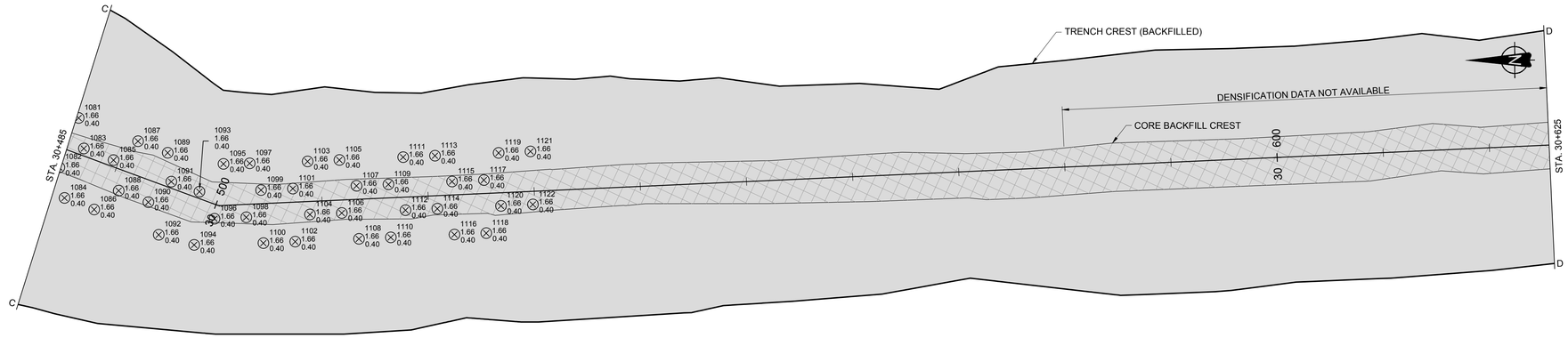
PROJECT No.	08-1428-0028/4200	FILE No.	0814280028-4200_0_34
DESIGN	FA	27FEB12	SCALE AS SHOWN REV. 0
CADD	JD	28FEB12	4200-34
CHECK	GRB	15DEC12	
REVIEW	FE	15DEC12	

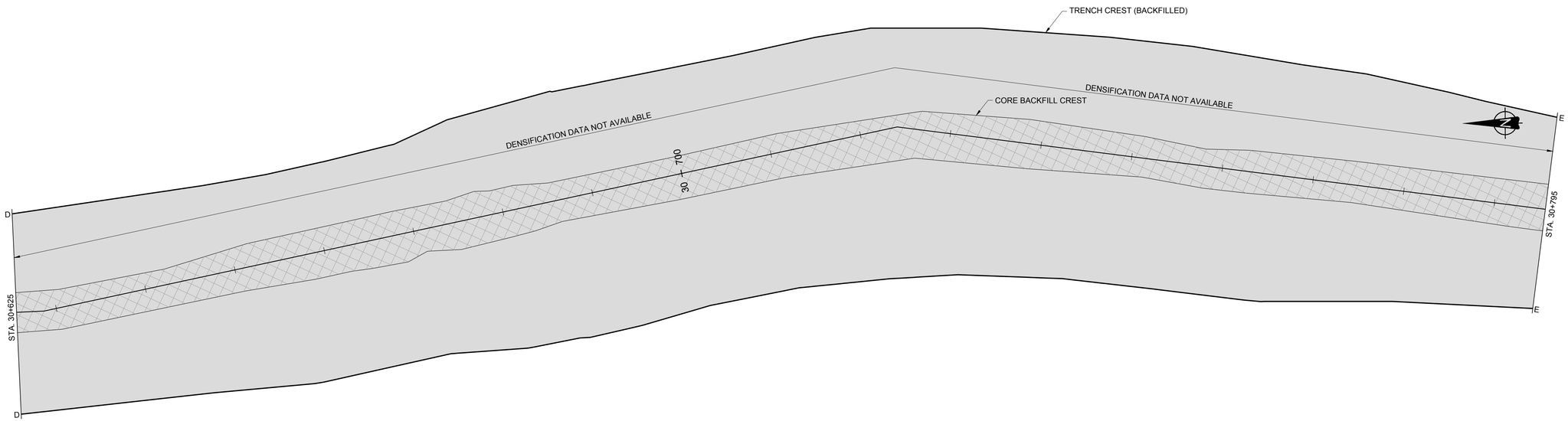
STAMP

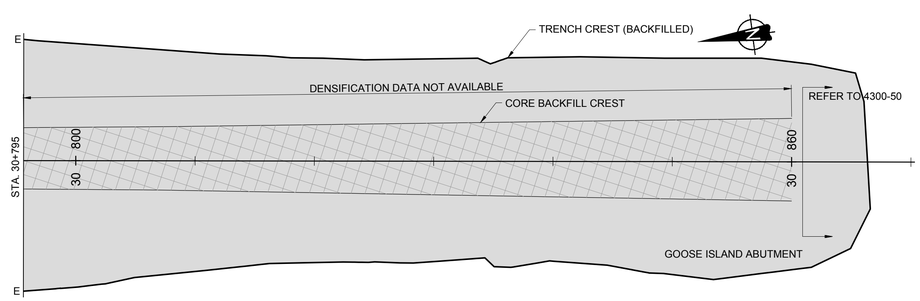
REV	DATE	DES	REVISION DESCRIPTION	CADD	CHK	RVW
0	15DEC12	KD	AS-BUILT	JD	GRB	FE

DRAWING NO. | REFERENCES

Drawing File: N:\bur-graphics\Projects\2009\1428\09-1428-5007\Drafting\4000\meadowbank - bay-goose (north) dike as-built\0814280028-4200_0_34.dwg Layout:DENSIFICATION PLAN PHASE 4 (1 OF 2) Friday, December 14, 2012 3:40:55 PM By: TYKlassen







LEGEND

1001	CRATER NUMBER
× 1.01	CRATER DEPTH
3.15	CRATER DIAMETER
○	PHASE 4 CRATER (NOT TO SCALE)
	CORE BACKFILL
	TRENCH BACKFILL LIMIT

NOTES

1. ALL DIMENSIONS ARE IN METRES UNLESS OTHERWISE NOTED.
2. DYNAMIC COMPACTATION SURVEY PROVIDED BY GEOPAC TECH INC.
3. DENSIFICATION PLATFORM SURVEY NOT AVAILABLE.

0 2.5 5 7.5 10 12.5
SCALE: A

DRAWING NO.	REFERENCES

REV	DATE	DES	REVISION DESCRIPTION	CADD	CHK	RVW
0	15DEC12	KD	AS-BUILT	JD	GRB	FE

STAMP

PROJECT

AEM

AGNICO-EAGLE MINES LIMITED
MEADOWBANK GOLD PROJECT
NUNAVUT

TITLE

BAY-GOOSE DIKE DENSIFICATION PLAN - PHASE 4 (NORTH PORTION) (2 OF 2)

Golder Associates

PROJECT No.	08-1428-0028/4200		FILE No.	0814280028-4200_0_35
DESIGN	FA	27FEB12	SCALE AS SHOWN	REV. 0
CADD	JD	28FEB12	4200-35	
CHECK	GRB	15DEC12		
REVIEW	FE	15DEC12		

Drawing File: N:\bur-graphics\Projects\2009\1428\09-1428-5007\Drafting\4000\meadowbank - bay-goose (north) dike as-built\0814280028-4200_0_35.dwg Layout:DENSIFICATION PLAN PHASE 4 (2 OF 2) Friday, December 14, 2012 3:45:16 PM By: TYKlassen

AGNICO-EAGLE MINES LIMITED
MEADOWBANK DIVISION
MEADOWBANK GOLD PROJECT
BAY-GOOSE DIKE AS-BUILT - SOUTH PORTION

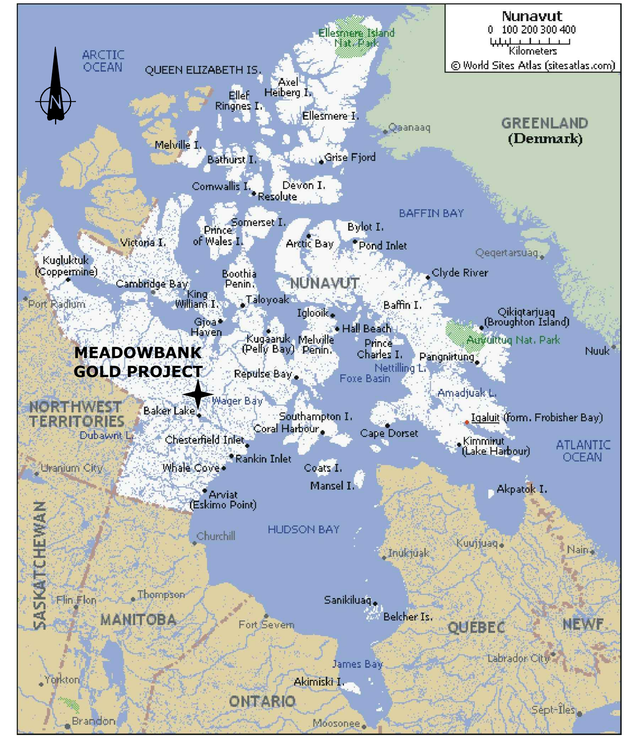
DRAWING INDEX

DWG NO.	DRAWING TITLE	REVISION	REVISION TITLE
4300-00	BAY-GOOSE DIKE SOUTH PORTION LOCATION MAP AND DRAWING INDEX	4	AS-BUILT
4300-01	BAY-GOOSE DIKE SOUTH PORTION SITE AND TURBIDITY BARRIER PLAN	1	AS-BUILT
4300-02	BAY-GOOSE DIKE SOUTH PORTION BOREHOLE LOCATION PLAN	1	AS-BUILT
4300-03	BAY-GOOSE DIKE SOUTH PORTION BEDROCK PROFILE	2	AS-BUILT
4300-04	BAY-GOOSE DIKE SOUTH PORTION STRATIGRAPHY PROFILE BETWEEN STA. 31+500 AND STA. 32+160	2	AS-BUILT
4300-05	BAY-GOOSE DIKE SOUTH PORTION ROCKFILL PLATFORM PLAN	2	AS-BUILT
4300-06	BAY-GOOSE DIKE SOUTH PORTION CUTOFF WALL CENTRELINE SETOUT PLAN	1	AS-BUILT
4300-07	BAY-GOOSE DIKE SOUTH PORTION UPDATED BEDROCK PROFILE	0	AS-BUILT
4300-10	BAY-GOOSE DIKE SOUTH PORTION TYPICAL SECTIONS	1	AS-BUILT
4300-12	BAY-GOOSE DIKE SOUTH PORTION TYPICAL MATERIAL PLACEMENT SECTIONS	2	AS-BUILT
4300-13	BAY-GOOSE DIKE SOUTH PORTION PLAN VIEW OF INITIAL TRENCH EXCAVATION	1	AS-BUILT
4300-14	BAY-GOOSE DIKE SOUTH PORTION INITIAL TRENCH EXCAVATION PROFILE	1	AS-BUILT
4300-15	BAY-GOOSE DIKE SOUTH PORTION CROSS-SECTIONS (1 OF 5)	1	AS-BUILT
4300-16	BAY-GOOSE DIKE SOUTH PORTION CROSS-SECTIONS (2 OF 5)	1	AS-BUILT
4300-17	BAY-GOOSE DIKE SOUTH PORTION CROSS-SECTIONS (3 OF 5)	1	AS-BUILT
4300-18	BAY-GOOSE DIKE SOUTH PORTION CROSS-SECTIONS (4 OF 5)	1	AS-BUILT
4300-19	BAY-GOOSE DIKE SOUTH PORTION CROSS SECTIONS (5 OF 5)	1	AS-BUILT
4300-20	BAY-GOOSE DIKE SOUTH PORTION 2009 TO 2010 TIE-IN PLAN AND SECTION	1	AS-BUILT
4300-21	BAY-GOOSE DIKE SOUTH PORTION GOOSE ISLAND ABUTMENT PLAN AND SECTION	1	AS-BUILT
4300-22	BAY-GOOSE DIKE SOUTH PORTION OUTCROP KEY-IN PLAN AND SECTION	1	AS-BUILT
4300-23	BAY-GOOSE DIKE SOUTH PORTION SOUTH ABUTMENT PLAN AND DETAILS	1	AS-BUILT
4300-25	BAY-GOOSE DIKE SOUTH PORTION PLAN VIEW OF SB AND CSB PLACEMENT ZONES	1	AS-BUILT
4300-26	BAY-GOOSE DIKE SOUTH PORTION PROFILE VIEW OF SB AND CSB PLACEMENT ZONES	1	AS-BUILT
4300-27	BAY-GOOSE DIKE SOUTH PORTION LOW PERMEABILITY SYSTEM	0	AS-BUILT
4300-30	BAY-GOOSE DIKE SOUTH PORTION INSTRUMENTATION PLAN	1	AS-BUILT
4300-31	BAY-GOOSE DIKE SOUTH PORTION INSTRUMENTATION PLAN AND PROFILE STA. 30+900 TO STA. 32+160	1	AS-BUILT
4300-32	BAY-GOOSE DIKE SOUTH PORTION INSTRUMENTATION SECTIONS	1	AS-BUILT
4300-42	BAY-GOOSE DIKE SOUTH PORTION DENSIFICATION PLAN - PHASE 1 AND 2 (1 OF 4)	0	AS-BUILT
4300-43	BAY-GOOSE DIKE SOUTH PORTION DENSIFICATION PLAN - PHASE 1 AND 2 (2 OF 4)	0	AS-BUILT
4300-44	BAY-GOOSE DIKE SOUTH PORTION DENSIFICATION PLAN - PHASE 1 AND 2 (3 OF 4)	0	AS-BUILT
4300-45	BAY-GOOSE DIKE SOUTH PORTION DENSIFICATION PLAN - PHASE 1 AND 2 (4 OF 4)	0	AS-BUILT
4300-46	BAY-GOOSE DIKE SOUTH PORTION DENSIFICATION PLAN - PHASE 3 (1 OF 4)	0	AS-BUILT
4300-47	BAY-GOOSE DIKE SOUTH PORTION DENSIFICATION PLAN - PHASE 3 (2 OF 4)	0	AS-BUILT

UNUSED DWG. NOS. 4300-08, 4300-09, 4300-11, 4300-24, 4300-28, 4300-29, 4300-33 TO 4300-41

LIST OF SPECIFICATIONS

SPECIFICATION NO.	TITLE	REVISION
4300-S1	GENERAL	0
4300-S2	SCOPE	0
4300-S3	COMMERCIAL CONDITIONS	0
4300-S4	EXCAVATION AND FOUNDATION PREPARATION	0
4300-S5	FILL PLACEMENT	0
4300-S6	CUTOFF WALL	0
4300-S9	QC AND QA REQUIREMENTS	0



LOCATION PLAN
NTS

DRAWING INDEX

DWG NO.	DRAWING TITLE	REVISION	REVISION TITLE
4300-48	BAY-GOOSE DIKE SOUTH PORTION DENSIFICATION PLAN - PHASE 3 (3 OF 4)	0	AS-BUILT
4300-49	BAY-GOOSE DIKE SOUTH PORTION DENSIFICATION PLAN - PHASE 3 (4 OF 4)	0	AS-BUILT
4300-50	BAY-GOOSE DIKE SOUTH PORTION DENSIFICATION PLAN - PHASE 4 (1 OF 4)	0	AS-BUILT
4300-51	BAY-GOOSE DIKE SOUTH PORTION DENSIFICATION PLAN - PHASE 4 (2 OF 4)	0	AS-BUILT
4300-52	BAY-GOOSE DIKE SOUTH PORTION DENSIFICATION PLAN - PHASE 4 (3 OF 4)	0	AS-BUILT
4300-53	BAY-GOOSE DIKE SOUTH PORTION DENSIFICATION PLAN - PHASE 4 (4 OF 4)	0	AS-BUILT
4300-54	BAY-GOOSE DIKE SOUTH PORTION VIBRO COMPACTION PLAN	0	AS-BUILT

DRAWING NO.	REFERENCES	REV	DATE	DES	REVISION DESCRIPTION	CADD	CHK	RVW
		4	15DEC12	FE	AS-BUILT	TK	GRB	FE
		3	25AUG10	DW	REVISED DRAWING INDEX - DRAWINGS ADDED 4300-30, 4300-31, 4300-32	JK	FE	MRJ
		2	20AUG10	DW	REVISED SCALE BAR, NOTE 15 AND SECTION TITLE	JK	FE	MRJ
		1	23JUL10	KD	REVISED ELEVATION - TARGET SURFACE IN CHANNEL 2	JK	FE	MRJ
		0	06JUL10	KD	ISSUED FOR CONSTRUCTION	JK	FE	MRJ
		B	18JUN10	KD	ISSUED FOR CLIENT REVIEW	JK	FE	MRJ
		A	31MAY10	KD	ISSUED FOR CLIENT REVIEW	EA	FE	MRJ

STAMP

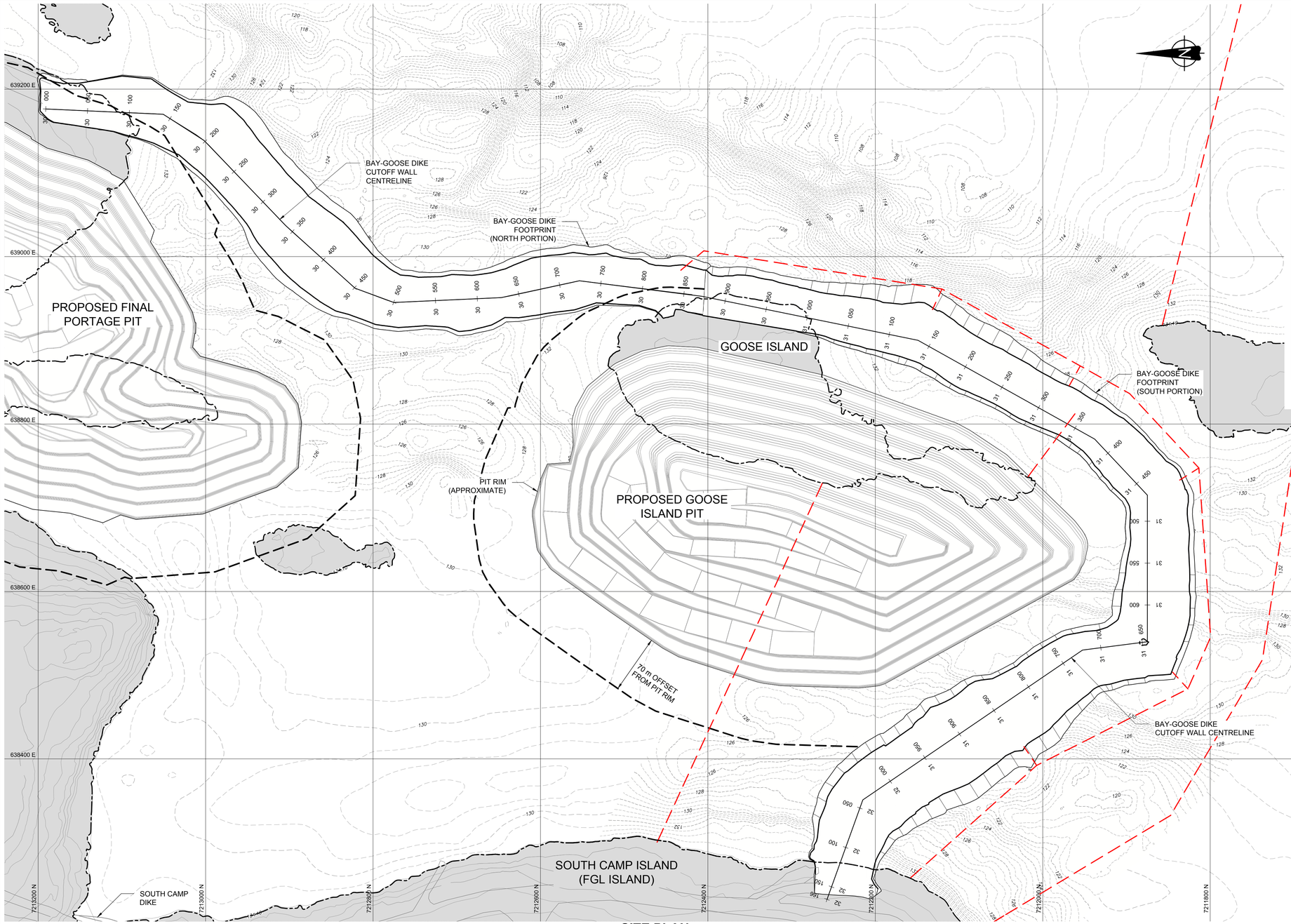
PROJECT
AGNICO-EAGLE MINES LIMITED
MEADOWBANK GOLD PROJECT
NUNAVUT

TITLE
BAY-GOOSE DIKE SOUTH PORTION
LOCATION MAP AND DRAWING INDEX

Golder Associates

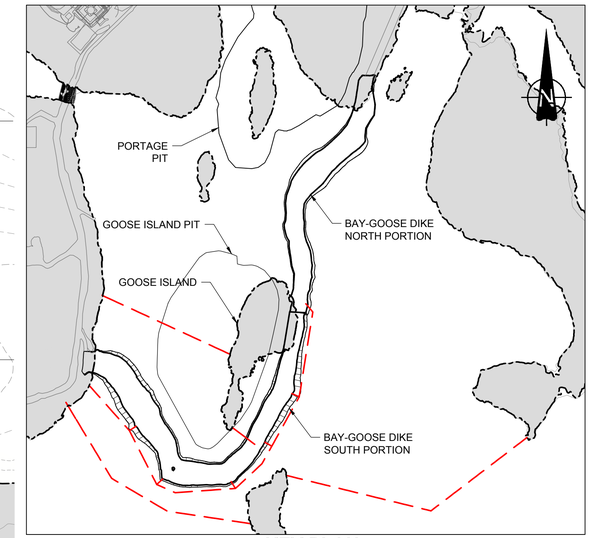
PROJECT No.		09-1428-5007	FILE No.	4300_2_00
DESIGN	KD	02MAY10	SCALE AS SHOWN	REV. 4
CADD	EA	10MAY10	4300-00	
CHECK	FE	31MAY10		
REVIEW	MRJ	31MAY10		

REVISION DATE: 05/12/2012 By: TYKLASSEN CADD FILE: N:\Bur-Graphics\Projects\2009\1428\09-1428-5007\Drafting\4000\Meadowbank - Bay-Goose (SOUTH) Dike As-Built\4300_2_00.dwg



SITE PLAN

(SCALE: A)



KEY PLAN

(SCALE: B)

LEGEND

- PIT RIM
- MINOR BATHYMETRY CONTOUR
- MAJOR BATHYMETRY CONTOUR
- MINOR TOPOGRAPHIC CONTOUR
- MAJOR TOPOGRAPHIC CONTOUR
- SHORELINE
- 70m OFFSET FROM PIT RIM
- ROCKFILL PLATFORM CREST
- TURBIDITY BARRIER

NOTES

1) ALL DIMENSIONS ARE IN METRES UNLESS OTHERWISE NOTED.
2) ALL ELEVATIONS ARE IN METRES ABOVE SEA LEVEL (MASL), UNLESS OTHERWISE NOTED.
3) GRID REFERENCE: NAD 83, UTM ZONE 14.
4) SURVEYED LAKE SURFACE ELEVATION: THIRD PORTAGE LAKE = 134.1m (2008).
5) REFER TO DRAWING PACKAGE 4200 FOR BAY-GOOSE NORTH PORTION AS-BUILT DETAILS.

REFERENCE

1) PORTAGE PIT DESIGN BY AEM, MARCH, 2009.
2) GOOSE ISLAND PIT DESIGN BY AEM, MAY, 2010.
3) TOPOGRAPHIC CONTOUR INFORMATION ON LAND SUPPLIED BY AEM.
4) LAKEBED SURFACE BASED ON BATHYMETRIC SURVEYS BY GOLDER ASSOCIATES LTD., 2006 AND DETAILED (0.5m CONTOUR INTERVAL) 2008.
5) ROAD AND MINE FACILITIES PROVIDED BY AEM, JANUARY, 2009.

0 25 50 75 100 125 — SCALE: A

0 100 200 300 400 500 — SCALE: B

PROJECT

AEM

AGNICO-EAGLE MINES LIMITED
MEADOWBANK GOLD PROJECT
NUNAVUT

TITLE

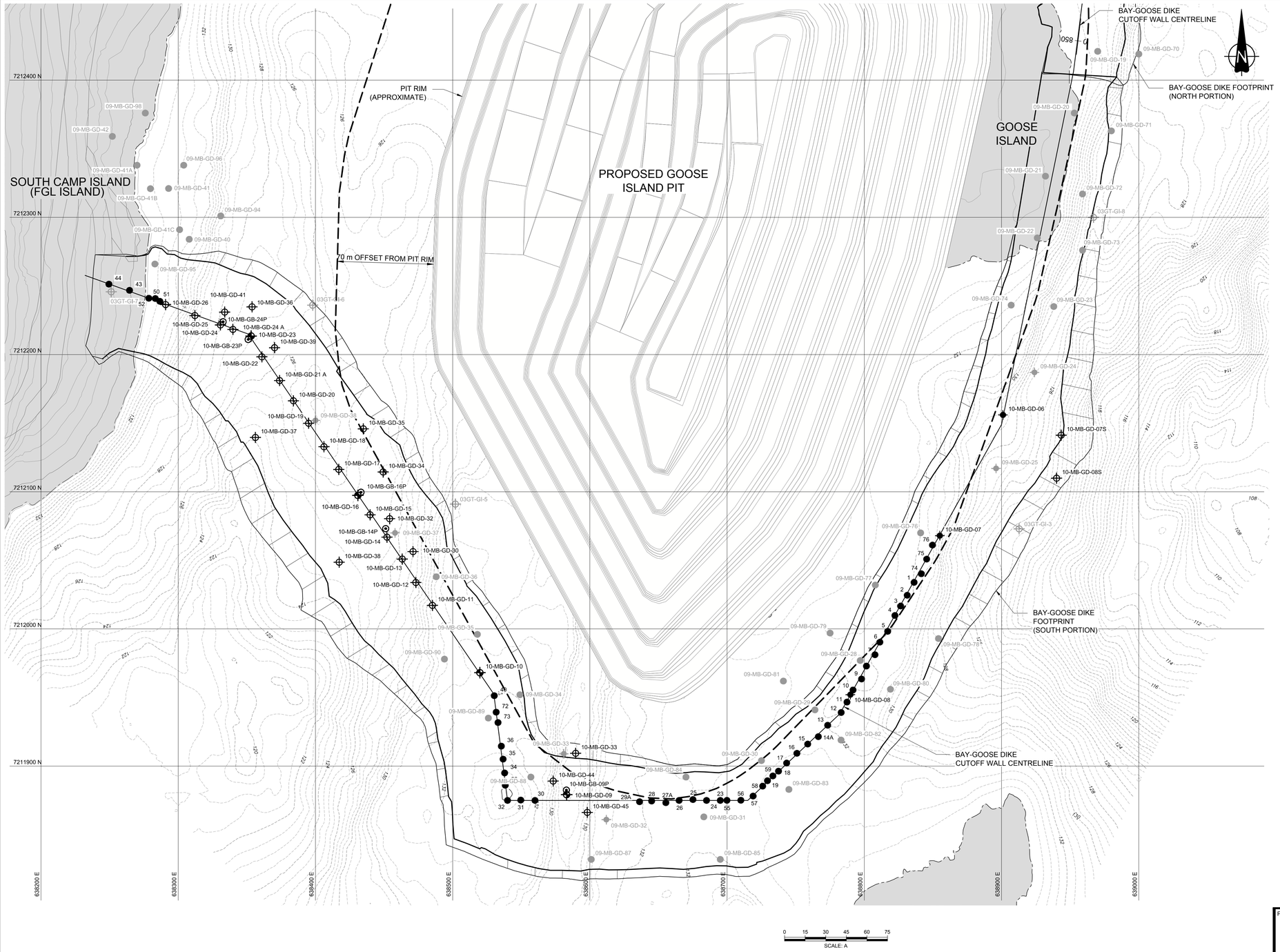
BAY-GOOSE DIKE SOUTH PORTION SITE AND TURBIDITY BARRIER PLAN

Golder Associates

PROJECT No.		09-1428-5007	FILE No. 4300_1_01
DESIGN	KD	02MAY10	SCALE AS SHOWN / REV. 1
CADD	JK	10MAY10	4300-01
CHECK	FE	31MAY10	
REVIEW	MRJ	31MAY10	

STAMP

DRAWING NO.	REFERENCES	REV	DATE	DES	REVISION DESCRIPTION	CADD	CHK	RVW
		1	15DEC12	FE	AS-BUILT	EA	GRB	FE
		0	06JUL10	KD	ISSUED FOR CONSTRUCTION	JK	FE	MRJ
		B	18JUN10	KD	ISSUED FOR CLIENT REVIEW	JK	FE	MRJ
		A	31MAY10	KD	ISSUED FOR CLIENT REVIEW	JK	FE	MRJ



2010 BOREHOLE COORDINATES

POINT ID	NORTHING	EASTING	ELEV	
10-MB-GD-07S	7212141.23	638943.46	133.74	SONIC BOREHOLES
10-MB-GD-08S	7212109.89	638940.09	133.74	
10-MB-GD-11	7212017.20	638485.24	133.71	
10-MB-GD-12	7212033.86	638473.18	133.78	
10-MB-GD-13	7212050.94	638463.24	133.79	
10-MB-GD-14	7212066.90	638452.14	133.73	
10-MB-GD-15	7212083.18	638439.84	133.72	
10-MB-GD-17	7212116.29	638417.03	133.63	
10-MB-GD-18	7212132.82	638406.23	133.71	
10-MB-GD-19	7212149.95	638395.05	133.73	
10-MB-GD-20	7212166.30	638383.97	133.66	
10-MB-GD-21 A	7212181.05	638373.87	133.60	
10-MB-GD-22	7212198.36	638361.00	133.81	
10-MB-GD-24 A	7212218.33	638339.87	133.63	
10-MB-GD-24	7212221.61	638330.76	133.74	
10-MB-GD-25	7212228.43	638312.18	133.80	
10-MB-GD-26	7212236.44	638290.80	133.79	
10-MB-GD-30	7212056.38	638471.13	133.61	
10-MB-GD-32	7212080.38	638454.07	133.72	
10-MB-GD-33	7211909.37	638589.63	133.62	
10-MB-GD-34	7212114.42	638449.36	133.66	
10-MB-GD-35	7212145.85	638434.89	133.93	
10-MB-GD-36	7212234.78	638353.83	133.60	
10-MB-GD-37	7212139.59	638356.27	133.71	
10-MB-GD-38	7212048.66	638417.32	133.65	
10-MB-GD-39	7212204.99	638370.24	133.68	
10-MB-GD-41	7212230.97	638333.89	133.80	
10-MB-GD-44	7211889.14	638573.26	133.81	
10-MB-GD-45	7211866.29	638598.10	133.76	
10-MB-GD-09**	7211879.23	638583.03	133.80	COMBINED SONIC AND DIAMOND BOREHOLES
10-MB-GD-10**	7211968.10	638519.86	133.84	
10-MB-GD-16**	7212097.34	638430.94	133.61	
10-MB-GD-23**	7212213.50	638353.15	133.64	
10-MB-GD-06*	7212156.00	638901.00	133.70	DIAMOND DRILL BOREHOLES
10-MB-GD-07*	7212068.00	638855.00	133.70	
10-MB-GD-08*	7211952.10	638789.80	133.70	

* ASSUMED COLLAR ELEVATION, ASSUMED BOREHOLE LOCATION BASED ON PROPOSED LOCATION.

** DIAMOND DRILL HOLE NOT SURVEYED, ASSUMED SAME ELEVATION AND LOCATION AS ASSOCIATED SONIC HOLE.

LEGEND

- PIT RIM
- MINOR BATHYMETRY CONTOUR
- 130 MAJOR BATHYMETRY CONTOUR
- MINOR TOPOGRAPHIC CONTOUR
- 130 MAJOR TOPOGRAPHIC CONTOUR
- 70m OFFSET FROM PIT RIM
- SHORELINE
- ROCKFILL PLATFORM CREST
- 2003 BOREHOLE LOCATION
- 2009 BOREHOLE LOCATION (AIR ROTARY DRILL RIG)
- 2009 BOREHOLE LOCATION (DIAMOND DRILL RIG)
- 2010 BOREHOLE LOCATION (AIR ROTARY DRILL RIG)
- 2010 BOREHOLE LOCATION (DIAMOND DRILL RIG)
- 2010 BOREHOLE LOCATION (SONIC DRILL RIG)
- 2010 STANDPIPE PIEZOMETER LOCATION
- 2010 BOREHOLE LOCATION (DIAMOND AND SONIC DRILL RIG)

NOTES

1) ALL DIMENSIONS ARE IN METRES UNLESS OTHERWISE NOTED.
2) ALL ELEVATIONS ARE IN METRES ABOVE SEA LEVEL (MASL), UNLESS OTHERWISE NOTED.
3) GRID REFERENCE: NAD 83, UTM ZONE 14.
4) REFER TO DWG 4200-02 FOR 2003 AND 2009 BOREHOLE COORDINATES.
5) EXPLORATION DRILL HOLES ARE NOT SHOWN ON THIS DRAWING.
6) SURVEY LAKE SURFACE ELEVATION: THIRD PORTAGE LAKE = 134.1m (2008).

REFERENCE

1) GOOSE ISLAND PIT DESIGN BY AEM, MAY, 2010.
2) TOPOGRAPHIC CONTOUR INFORMATION ON LAND SUPPLIED BY AEM.
3) LAKEBED SURFACE BASED ON BATHYMETRIC SURVEY BY GOLDER ASSOCIATES LTD., 2006 AND DETAILED (0.5m CONTOUR INTERVAL) 2008.

PROJECT

AEM

AGNICO-EAGLE MINES LIMITED
MEADOWBANK GOLD PROJECT
NUNAVUT

TITLE

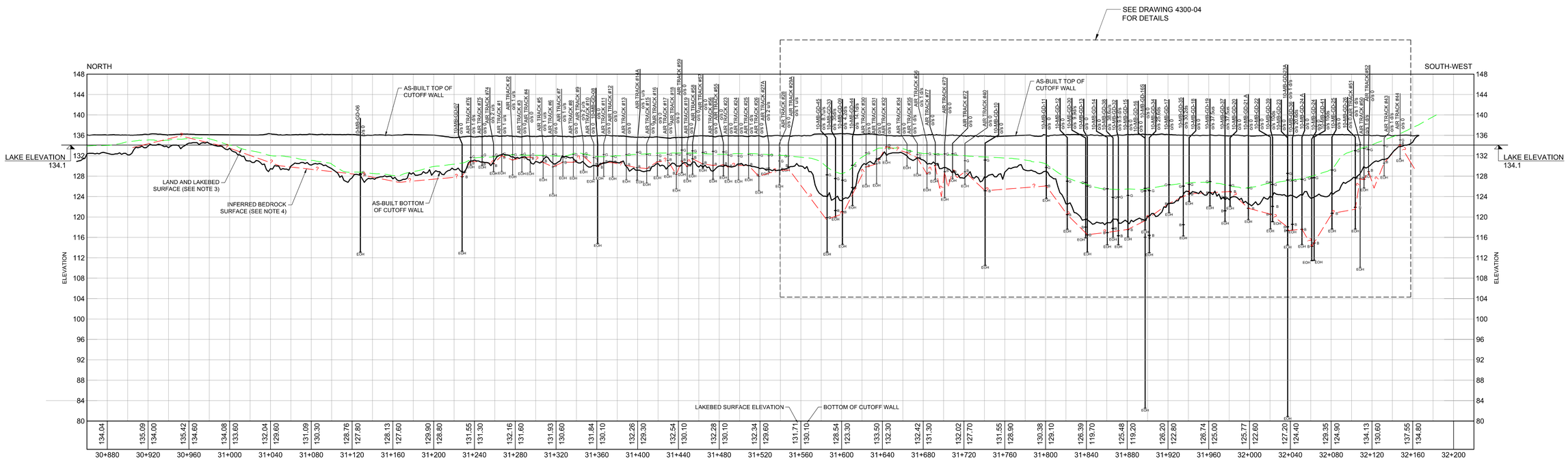
BAY-GOOSE DIKE SOUTH PORTION BOREHOLE LOCATION PLAN

DRAWING NO.	REFERENCES	REV	DATE	DES	REVISION DESCRIPTION	CADD	CHK	RVW
		1	15DEC12	FE	AS-BUILT	EA	GRB	FE
		0	06JUL10	KD	ISSUED FOR CONSTRUCTION	JK	FE	MRJ
		B	18JUN10	KD	ISSUED FOR CLIENT REVIEW	JK	FE	MRJ
		A	31MAY10	KD	ISSUED FOR CLIENT REVIEW	EA	FE	MRJ

STAMP

Golder Associates

PROJECT No.		09-1428-5007	FILE No.	4300_1_02
DESIGN	KD	02MAY10	SCALE AS SHOWN	REV. 1
CADD	EA	10MAY10	4300-02	
CHECK	FE	31MAY10		
REVIEW	MRJ	31MAY10		



PROFILE ALONG CUTOFF WALL CENTRELINE

VERTICAL EXAGGERATION 5X

LEGEND

- LAND AND LAKEBED SURFACE (SEE NOTE 3)
- INFERRED BEDROCK (SEE NOTE 4)
- TOP AND BOTTOM OF CUT-OFF WALL

BOREHOLE ID - 10-MB-GD-08 o/s 0
- OFFSET PERPENDICULAR FROM CENTRELINE
- G - GROUND ELEVATION
- B - BEDROCK ELEVATION
- EOH - END OF HOLE ELEVATION

u/s - UPSTREAM

NOTES

1) ALL DIMENSIONS ARE IN METRES UNLESS OTHERWISE NOTED.
2) ALL ELEVATIONS ARE IN METRES ABOVE SEA LEVEL (MASL), UNLESS OTHERWISE NOTED.
3) LAKEBED SURFACE BASED ON BATHYMETRIC SURVEY BY GOLDER ASSOCIATES LTD., 2006 AND DETAILED (0.5m CONTOUR INTERVAL) 2008.
4) BEDROCK SURFACE INFERRED FROM 2009 AND 2010 AIR-TRACK INVESTIGATION AND FROM 2010 BOREHOLE INVESTIGATION. CONDITIONS AWAY FROM BOREHOLES ARE ASSUMED. REFER TO DRAWING 4300-07 FOR UPDATED BEDROCK PROFILE BASED ON DATA OBTAINED DURING CONSTRUCTION.
5) BOREHOLES FROM 2003 AND 2009 INVESTIGATIONS ARE NOT SHOWN ON THIS DRAWING.
6) CUTOFF WALL TOP AND BOTTOM ELEVATIONS SURVEYED BY CONTRACTOR (FGL).
7) REFER TO DWG 4200-18 FOR NORTHERN PORTION AS-BUILT LONGITUDINAL SECTION.

0 20 40 60 80 100 HORIZONTAL SCALE

0 4 8 12 16 20 VERTICAL SCALE

DRAWING NO.	REFERENCES	REV	DATE	DES	REVISION DESCRIPTION	CADD	CHK	RVW
		2	15DEC12	FE	AS-BUILT	EA	GRB	FE
		1	20AUG10	WD	REVISED SCALE BAR	JK	FE	MRJ
		0	06JUL10	KD	ISSUED FOR CONSTRUCTION	JK	FE	MRJ
		B	18JUN10	KD	ISSUED FOR CLIENT REVIEW	JK	FE	MRJ
		A	31MAY10	KD	ISSUED FOR CLIENT REVIEW	JK	FE	MRJ

STAMP

PROJECT

AEM

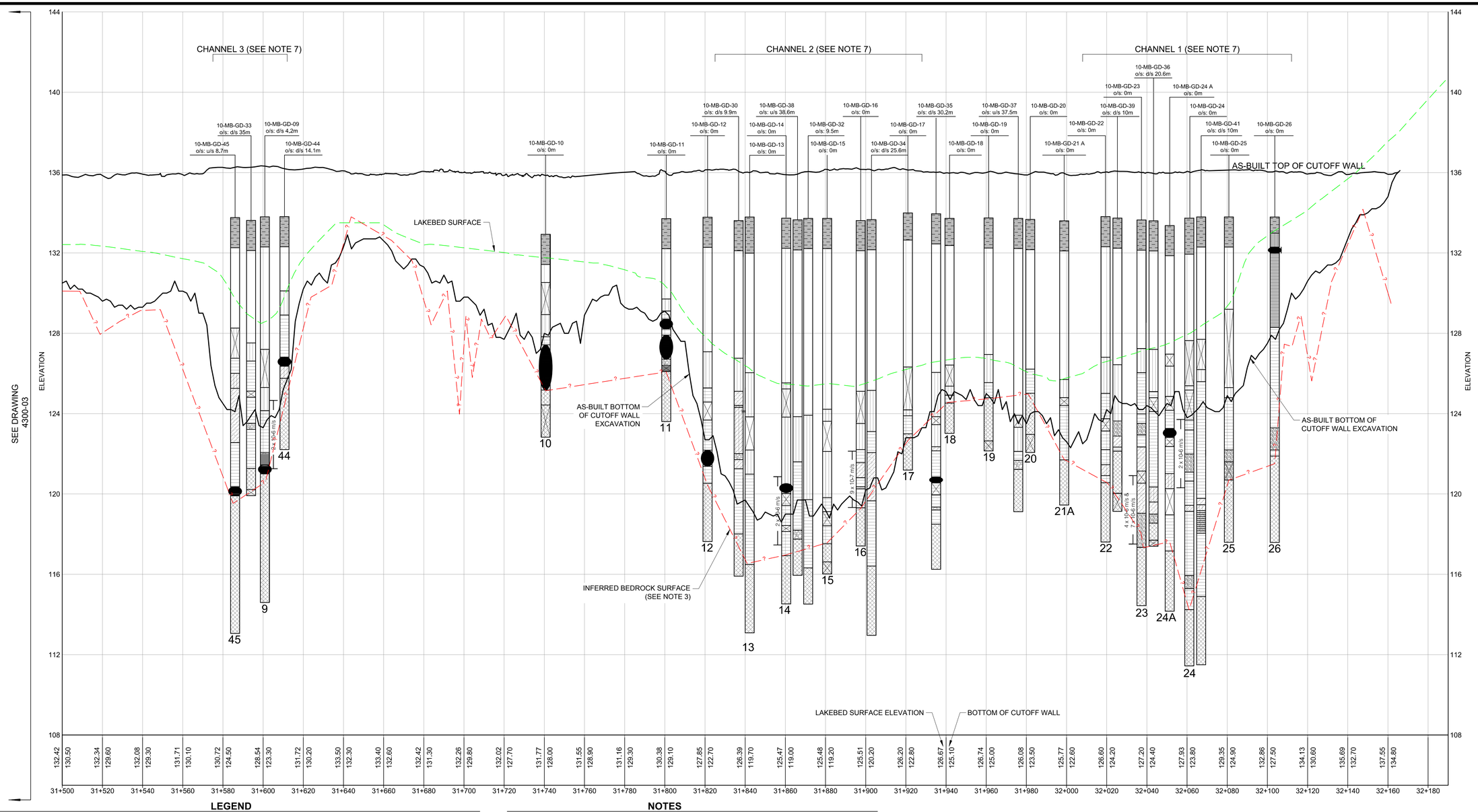
AGNICO-EAGLE MINES LIMITED
MEADOWBANK GOLD PROJECT
NUNAVUT

TITLE

BAY-GOOSE DIKE SOUTH PORTION BEDROCK PROFILE

Golder Associates

PROJECT No.		09-1428-5007	FILE No.	4300_2_03
DESIGN	KD	02MAY10	SCALE AS SHOWN	REV. 2
CADD	JK	10MAY10	4300-03	
CHECK	FE	31MAY10		
REVIEW	MRJ	31MAY10		



LEGEND

- ICE
- WATER
- LAKEBED SEDIMENTS
- TILL
- SILTY CLAY, CLAYEY SILT OR SILT
- SAND AND GRAVEL
- SILTY SAND OR SANDY SILT
- BEDROCK
- FROZEN
- NO RECOVERY
- BOULDER, BOULDERS AND COBBLES
- LAKEBED SURFACE
- TOP AND BOTTOM OF CUTOFF WALL AS-BUILT
- INFERRED CONTACT BETWEEN SOIL AND BEDROCK (SEE NOTE 3)
- 2 x 10-6 m/s — IN-SITU HYDRAULIC CONDUCTIVITY TEST RESULTS
- u/s - UPSTREAM
- d/s - DOWNSTREAM
- OFFSET MEASURED PERPENDICULAR TO CUTOFF WALL CENTRELINE

NOTES

1) ALL ELEVATIONS ARE IN METRES ABOVE SEA LEVEL (MASL), UNLESS OTHERWISE NOTED.
2) ALL DIMENSIONS ARE IN METRES UNLESS OTHERWISE NOTED.
3) BEDROCK SURFACE INFERRED FROM 2009 AND 2010 AIR-TRACK INVESTIGATION AND FROM 2010 BOREHOLE INVESTIGATION. CONDITIONS AWAY FROM BOREHOLES ARE ASSUMED. REFER TO DRAWING 4300-07 FOR UPDATED BEDROCK PROFILE BASED ON DATA OBTAINED DURING CONSTRUCTION.
4) FOR CLARITY ONLY 2010 BOREHOLES ARE SHOWN.
5) WHERE NO RECOVERY OCCURRED STRATIGRAPHY HAS BEEN INFERRED.
6) INITIAL TRENCH EXCAVATION WAS EXCAVATED TO BEDROCK EXCEPT IN CHANNELS 1, 2, AND 3 (PARTIAL CUTOFF WALL DESIGN SECTIONS) WHERE INITIAL EXCAVATION WAS EXCAVATED UNTIL COMPETENT SOILS WERE ENCOUNTERED AND AS APPROVED BY ENGINEER.
7) IN CHANNELS 1, 2, AND 3 CUTOFF TRENCH GENERALLY EXTENDED 1.0m INTO COMPETENT MATERIAL BELOW DEPTH OF INITIAL TRENCH EXCAVATION AS APPROVED BY ENGINEER. ELSEWHERE CUTOFF TRENCH EXCAVATED TO BEDROCK.
8) CUTOFF WALL TOP AND BOTTOM ELEVATIONS SURVEYED BY CONTRACTOR (FGL).

0 10 20 30 40 50 HORIZONTAL SCALE

0 1 2 3 4 5 VERTICAL SCALE

REV	DATE	DES	REVISION DESCRIPTION	CADD	CHK	RVW
2	15DEC12	FE	AS-BUILT	EA	GRB	FE
1	23JUL10	KD	REVISED ELEVATION - TARGET SURFACE IN CHANNEL 2	JK	FE	MRJ
0	05JUL10	KD	ISSUED FOR CONSTRUCTION	JK	FE	MRJ
B	18JUN10	KD	ISSUED FOR CLIENT REVIEW	JK	FE	MRJ
A	31MAY10	KD	ISSUED FOR CLIENT REVIEW	NS	FE	MRJ

DRAWING NO. | REFERENCES

STAMP

PROJECT

AEM

AGNICO-EAGLE MINES LIMITED
MEADOWBANK GOLD PROJECT
NUNAVUT

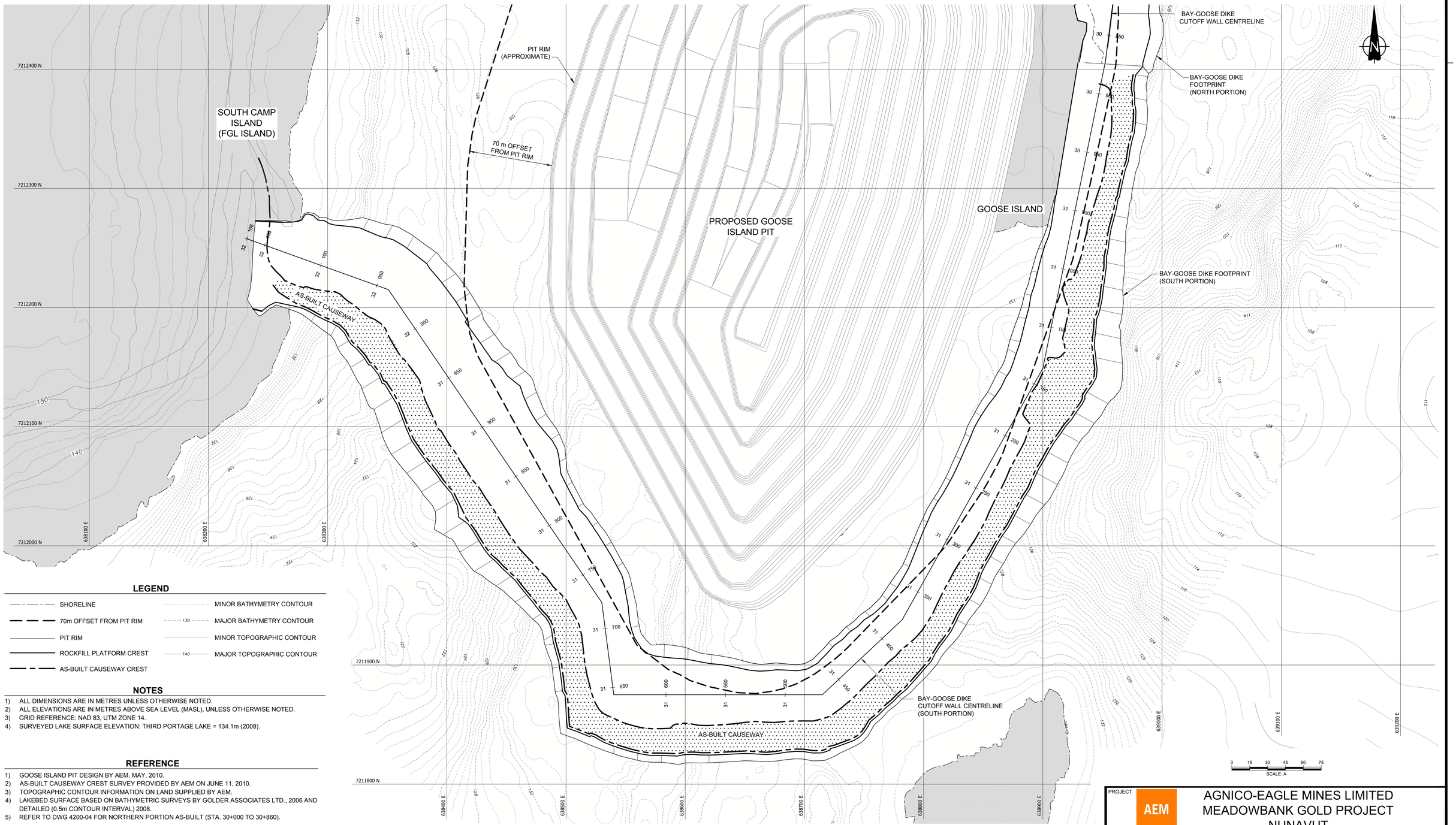
TITLE

BAY-GOOSE DIKE SOUTH PORTION STRATIGRAPHY PROFILE BETWEEN STA. 31+500 AND STA. 32+160

Golder Associates

PROJECT No.		09-1428-5007	FILE No.		4300_2_04
DESIGN	KD	02MAY10	SCALE	AS SHOWN	REV. 2
CADD	NS	10MAY10	4300-04		
CHECK	FE	31MAY10			
REVIEW	MRJ	31MAY10			

REVISION DATE:12/5/2012 3:53:15 PM By: TKKLASSEN CADD FILE: N:\bur-graphics\Projects\2009\1428\09-1428-5007\Drafting\4000\meadowbank - bay-goose (south) dike as-built\4300_2_04.dwg



LEGEND

- SHORELINE
- 70m OFFSET FROM PIT RIM
- PIT RIM
- ROCKFILL PLATFORM CREST
- AS-BUILT CAUSEWAY CREST
- MINOR BATHYMETRY CONTOUR
- 130 MAJOR BATHYMETRY CONTOUR
- MINOR TOPOGRAPHIC CONTOUR
- 140 MAJOR TOPOGRAPHIC CONTOUR

NOTES

1) ALL DIMENSIONS ARE IN METRES UNLESS OTHERWISE NOTED.
2) ALL ELEVATIONS ARE IN METRES ABOVE SEA LEVEL (MASL), UNLESS OTHERWISE NOTED.
3) GRID REFERENCE: NAD 83, UTM ZONE 14.
4) SURVEYED LAKE SURFACE ELEVATION: THIRD PORTAGE LAKE = 134.1m (2008).

REFERENCE

1) GOOSE ISLAND PIT DESIGN BY AEM, MAY, 2010.
2) AS-BUILT CAUSEWAY CREST SURVEY PROVIDED BY AEM ON JUNE 11, 2010.
3) TOPOGRAPHIC CONTOUR INFORMATION ON LAND SUPPLIED BY AEM.
4) LAKEBED SURFACE BASED ON BATHYMETRIC SURVEYS BY GOLDER ASSOCIATES LTD., 2006 AND DETAILED (0.5m CONTOUR INTERVAL) 2008.
5) REFER TO DWG 4200-04 FOR NORTHERN PORTION AS-BUILT (STA. 30+000 TO 30+860).

DRAWING NO.	REFERENCES

REV	DATE	DES	REVISION DESCRIPTION	CADD	CHK	RVW
1	15DEC12	FE	AS-BUILT	EA	GRB	FE
0	06JUL10	KD	ISSUED FOR CONSTRUCTION	JK	FE	MRJ
B	18JUN10	KD	ISSUED FOR CLIENT REVIEW	JK	FE	MRJ
A	31MAY10	KD	ISSUED FOR CLIENT REVIEW	EA	FE	MRJ

STAMP

PROJECT

AEM

AGNICO-EAGLE MINES LIMITED
MEADOWBANK GOLD PROJECT
NUNAVUT

TITLE

BAY-GOOSE DIKE SOUTH PORTION ROCKFILL PLATFORM PLAN

Golder Associates

PROJECT No.		09-1428-5007	FILE No.	4300_1_05
DESIGN	KD	02MAY10	SCALE AS SHOWN	REV. 1
CADD	EA	10MAY10	4300-05	
CHECK	FE	31MAY10		
REVIEW	MRJ	31MAY10		

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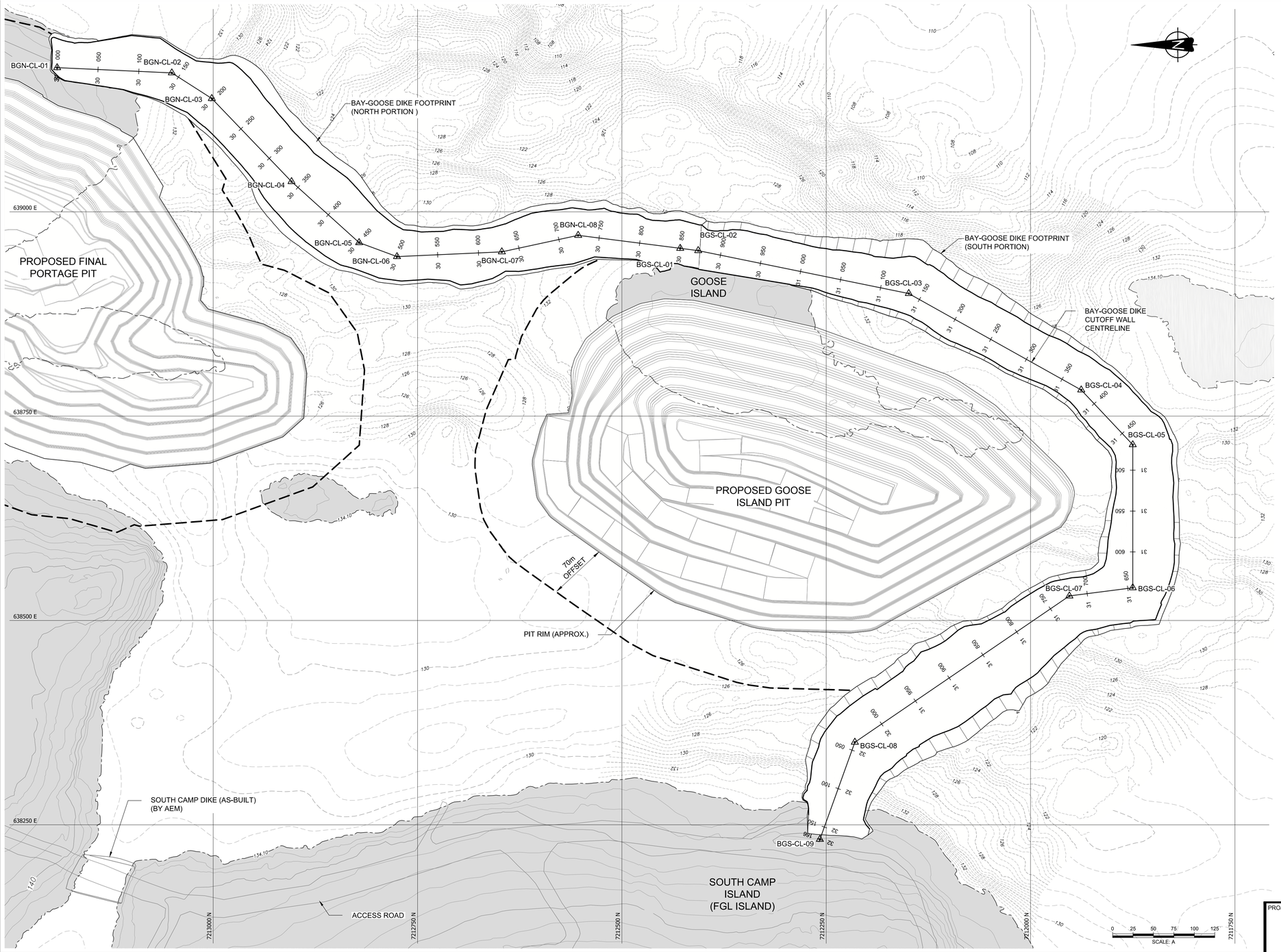


BAY-GOOSE DIKE NORTH PORTION CUTOFF WALL CENTRELINE AS-BUILT			
POINT ID	STATION	NORTHING	EASTING
BGN-CL-01	30+000.00	7213190.91	639176.31
BGN-CL-02	30+140.47	7213050.58	639169.93
BGN-CL-03	30+198.55	7213001.72	639138.54
BGN-CL-04	30+339.38	7212904.19	639036.94
BGN-CL-05	30+450.80	7212821.50	638962.27
BGN-CL-06	30+500.24	7212775.11	638945.16
BGN-CL-07	30+628.64	7212646.85	638951.00
BGN-CL-08	30+724.14	7212553.50	638971.16

BAY-GOOSE DIKE SOUTH PORTION CUTOFF WALL CENTRELINE AS-BUILT			
POINT ID	STATION	NORTHING	EASTING
BGS-CL-01	30+850.00	7212428.64	638955.28
BGS-CL-02	30+872.17	7212406.65	638952.48
BGS-CL-03	31+135.11	7212149.00	638900.00
BGS-CL-04	31+376.86	7211938.00	638782.00
BGS-CL-05	31+468.83	7211875.00	638715.00
BGS-CL-06	31+643.83	7211875.00	638540.00
BGS-CL-07	31+721.97	7211952.50	638530.00
BGS-CL-08	32+039.69	7212215.00	638351.00
BGS-CL-09	32+166.00	7212257.74	638232.15

LEGEND

- BGS-CL-01 — BAY-GOOSE SOUTH PORTION CENTRELINE AS-BUILT SETOUT POINT
- BGN-CL-01 — BAY-GOOSE NORTH PORTION CENTRELINE AS-BUILT POINT
- SHORELINE
- 70m OFFSET FROM PIT RIM
- PIT RIM
- ROCKFILL PLATFORM CREST
- MINOR BATHYMETRY CONTOUR
- 130 — MAJOR BATHYMETRY CONTOUR
- MINOR TOPOGRAPHIC CONTOUR
- 140 — MAJOR TOPOGRAPHIC CONTOUR

NOTES

1) ALL DIMENSIONS ARE IN METRES UNLESS OTHERWISE NOTED.
2) ALL ELEVATIONS ARE IN METRES ABOVE SEA LEVEL (MASL), UNLESS OTHERWISE NOTED.
3) GRID REFERENCE: NAD 83, UTM ZONE 14.
4) SURVEYED LAKE SURFACE ELEVATION: THIRD PORTAGE LAKE = 134.1m (2008)
5) DIKE AXIS AND CUTOFF WALL CENTRELINE ARE THE SAME.

REFERENCE

1) PORTAGE PIT DESIGN BY AEM, MARCH, 2009.
2) GOOSE ISLAND PIT DESIGN BY AEM, MAY, 2010.
3) ROAD AND MINE FACILITIES PROVIDED BY AEM, JANUARY, 2009.
4) TOPOGRAPHIC CONTOUR INFORMATION ON LAND SUPPLIED BY AEM.
5) LAKEBED SURFACE BASED ON BATHYMETRIC SURVEYS BY GOLDER ASSOCIATES LTD., 2006 AND DETAILED (0.5m CONTOUR INTERVAL) 2008.

PROJECT

AEM

AGNICO-EAGLE MINES LIMITED
MEADOWBANK GOLD PROJECT
NUNAVUT

TITLE

BAY-GOOSE DIKE SOUTH PORTION CUTOFF WALL CENTRELINE SETOUT PLAN

REV	DATE	DES	REVISION DESCRIPTION	CADD	CHK	RVW
1	15DEC12	FE	AS-BUILT	EA	GRB	FE
0	06JUL10	KD	ISSUED FOR CONSTRUCTION	JK	FE	MRJ
B	18JUN10	KD	ISSUED FOR CLIENT REVIEW	JK	FE	MRJ
A	31MAY10	KD	ISSUED FOR CLIENT REVIEW	JK	FE	MRJ

DRAWING NO. | REFERENCES

STAMP

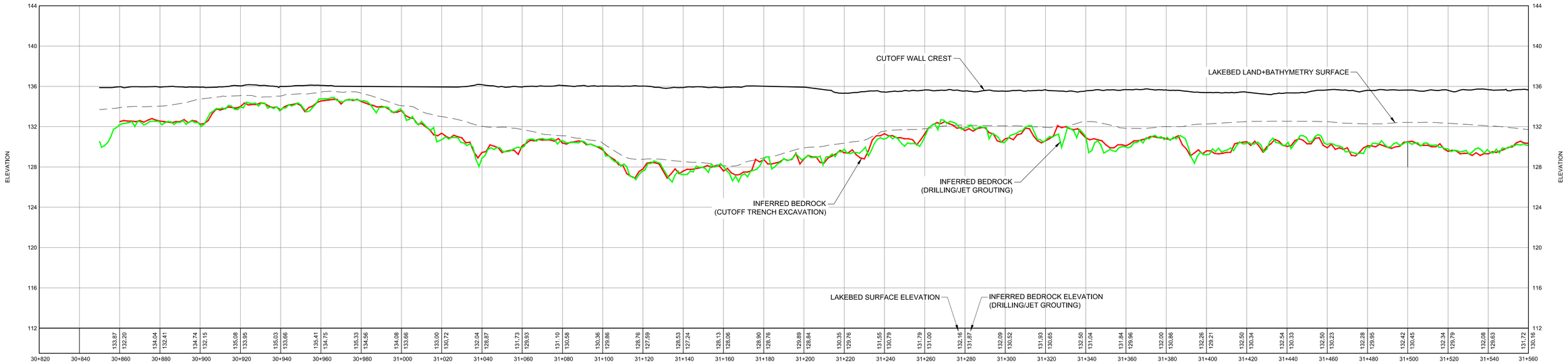
Golder Associates

PROJECT No.		09-1428-5007
DESIGN	KD	02MAY10
CADD	JK	10MAY10
CHECK	FE	31MAY10
REVIEW	MRJ	31MAY10

FILE No. 4300_1_06
SCALE AS SHOWN REV. 1

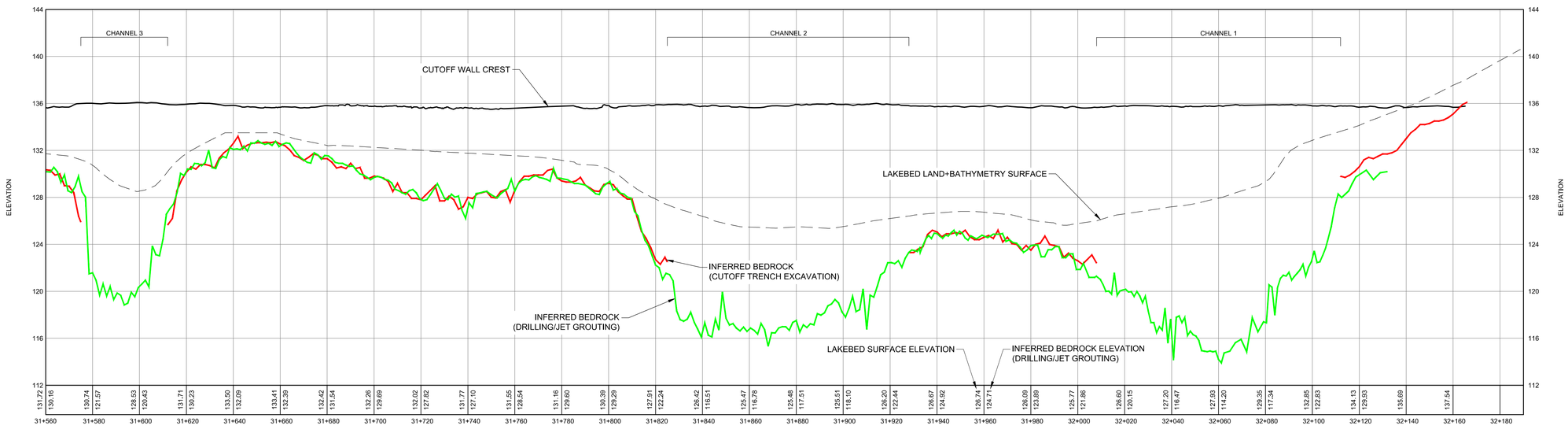
4300-06

REVISION DATE:12/5/2012 4:03:38 PM By: TKLASSEN CADD FILE: N:\bur-graphics\Projects\2009\1428\09-1428-5007\Drafting\4000\meadowbank - bay-goose (south) dike as-built\4300_1_06.dwg



PROFILE OF BEDROCK ALONG CENTRELINE

VERTICAL EXAGGERATION 5X



PROFILE OF BEDROCK ALONG CENTRELINE

VERTICAL EXAGGERATION 5X

LEGEND

- INFERRED BEDROCK (DRILLING/JET GROUTING)
- INFERRED BEDROCK (CUTOFF TRENCH EXCAVATION)
- TOP OF CUTOFF WALL
- LAKEBED SURFACE AND LAND SURFACE

NOTES

1) ALL ELEVATIONS ARE IN METRES ABOVE SEA LEVEL (MASL), UNLESS OTHERWISE NOTED.
2) ALL DIMENSIONS ARE IN METRES UNLESS OTHERWISE NOTED.
3) TOPOGRAPHIC INFORMATION ON LAND SUPPLIED BY AEM.
4) LAKEBED SURFACE BASED ON BATHYMETRIC SURVEY BY GOLDER ASSOCIATES LTD., 2008 AND DETAILED (0.5m CONTOUR INTERVAL) 2008.
5) INFERRED BEDROCK SURFACE BASED ON DATA OBTAINED DURING CONSTRUCTION OF CUTOFF WALL SHOWN IN RED AND BASED ON DRILLING FOR GROUTING AND JET GROUTING SHOWN IN GREEN.

0 10 20 30 40 50
HORIZONTAL SCALE

0 2 4 6 8 10
VERTICAL SCALE

DRAWING NO.	REFERENCES	REV	DATE	DES	REVISION DESCRIPTION	CADD	CHK	RVW
		0	15DEC12	FE	AS-BUILT	EA	GRB	FE

STAMP

PROJECT

AEM

AGNICO-EAGLE MINES LIMITED
MEADOWBANK GOLD PROJECT
NUNAVUT

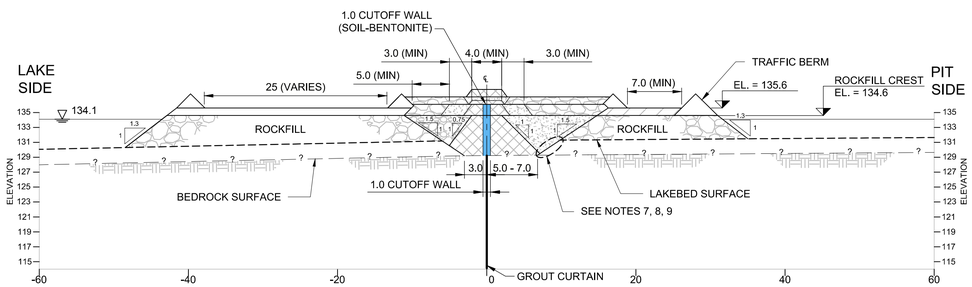
TITLE

BAY-GOOSE DIKE SOUTH PORTION UPDATED BEDROCK PROFILE

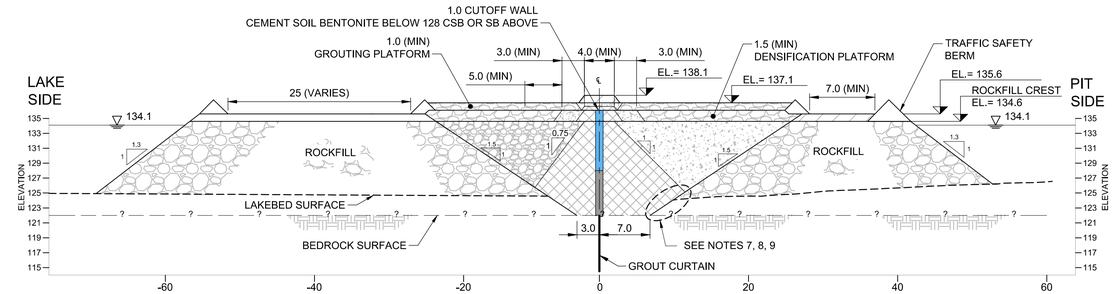
Golder Associates

PROJECT No.		09-1428-5007	FILE No.	4300_0_07
DESIGN	GP	25AUG11	SCALE AS SHOWN	REV. 0
CADD	JD	25AUG11		
CHECK	GRB	15DEC12	4300-07	
REVIEW	FE	15DEC12		

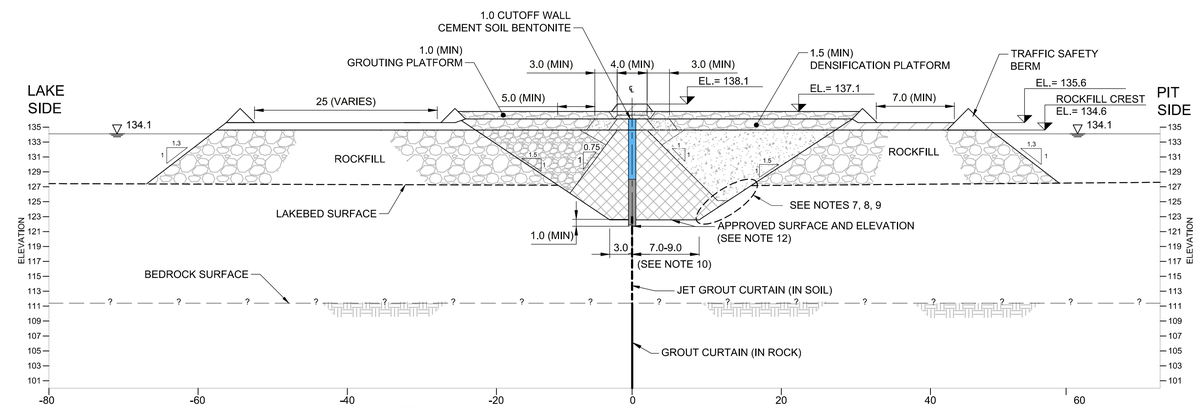
REVISION DATE:12/5/2012 4:09:27 PMBy: TYKLASSEN CADD FILE: N:\bur-graphics\Projects\2009\1428\09-1428-5007\Drafting\4000\meadowbank - bay-goose (south) dike as-built\4300_0_07.dwg



A 4300-13 **TYPICAL SECTION - BEDROCK ELEVATION ABOVE 128.0**
SCALE: A



B 4300-13 **TYPICAL SECTION - BEDROCK ELEVATION BELOW 128.0**
SCALE: A



C 4300-13 **TYPICAL SECTION- PARTIAL CUTOFF WALL**
SCALE: A

NOTES

1) ALL DIMENSIONS ARE IN METRES UNLESS OTHERWISE NOTED.
2) ALL ELEVATIONS ARE IN METRES ABOVE SEA LEVEL (MASL), UNLESS OTHERWISE NOTED.
3) ALL SLOPES SHOWN ARE NOMINAL VALUES.
4) GEOCHEMICAL CLASSIFICATION OF NPAG MATERIALS IS THE RESPONSIBILITY OF AEM. ALL MATERIALS USED IN CONSTRUCTION ARE TO BE NPAG.
5) ALL ICE RICH MATERIAL BENEATH THE CUTOFF WALL WAS EXCAVATED, EXCEPT BETWEEN STA 32+112 AND 32+166.
6) BEDROCK AND LAKEBED SURFACES ARE SHOWN AS SMOOTH LINES FOR ILLUSTRATIVE PURPOSES. UNDULATING AND UNEVEN SURFACES EXIST.
7) CORE BACKFILL WITHIN THE DOWNSTREAM SIDE OF THE TRENCH WAS PLACED WITHIN 2m OF THE LAKEBED SEDIMENT ELEVATION.
8) MATERIAL PLACEMENT ANGLES FOR THE CORE BACKFILL AND COARSE FILTER ARE APPROXIMATE. DOWNSTREAM CORE BACKFILL SLOPE WAS MONITORED TO ENSURE THE 2m LIMIT (SEE NOTE 7) WAS ACHIEVED.
9) ALONG PORTIONS OF THE ALIGNMENT, LATERAL PLACEMENT OF CORE BACKFILL ON THE DOWNSTREAM SIDE OF THE EXCAVATION WAS REQUIRED IN ADVANCE OF THE PROGRESSIVE BACKFILLING OF CORE BACKFILL AND COARSE FILTER/FINE ROCKFILL. THE ENGINEER DETERMINED WHERE LATERAL PLACEMENT WAS REQUIRED.
10) IN PARTIAL CUTOFF WALL SECTIONS, WHERE DEPTH OF SOIL LEFT IN PLACE IS LESS THAN 4m BELOW BASE OF INITIAL EXCAVATION THEN DIMENSION IS 7.0m OTHERWISE 9.0m, IN CHANNEL 1 DIMENSIONS WAS APPROXIMATELY 7m.
11) BASE WIDTH OF EXCAVATION ON UPSTREAM SIDE OF CENTRELINE WAS INCREASED LOCALLY TO 6m TO ACCOMMODATE CORNER CONSTRUCTION OF CUTOFF WALL.
12) IN PARTIAL CUTOFF SECTIONS THE INITIAL EXCAVATION WAS EXCAVATED UNTIL COMPETENT SOILS ENCOUNTERED, AND CUTOFF TRENCH EXTENDED GENERALLY 1.0m INTO COMPETENT MATERIAL BELOW INITIAL TRENCH EXCAVATION, AS APPROVED BY ENGINEER.

LEGEND

- INFERRED BEDROCK
- COARSE FILTER
- CORE BACKFILL
- ROCKFILL SURFACING AND THERMAL CAP
- ROCKFILL
- FINE ROCKFILL
- SOIL BENTONITE (SB)
- CEMENT SOIL BENTONITE (CSB)

0 4 8 12 16 20
SCALE: A

DRAWING NO.	REFERENCES	REV	DATE	DES	REVISION DESCRIPTION	CADD	CHK	RVW
		1	15DEC12	FE	AS-BUILT	EA	GRB	FE
		0	06JUL10	KD	ISSUED FOR CONSTRUCTION	JK	FE	MRJ
		B	18JUN10	KD	ISSUED FOR CLIENT REVIEW	JK	FE	MRJ
		A	31MAY10	KD	ISSUED FOR CLIENT REVIEW	NS	FE	MRJ

STAMP

PROJECT

AEM

AGNICO-EAGLE MINES LIMITED
MEADOWBANK GOLD PROJECT
NUNAVUT

TITLE

BAY-GOOSE DIKE SOUTH PORTION TYPICAL SECTIONS

Golder Associates

PROJECT No.		09-1428-5007	FILE No.	4300_1_10
DESIGN	KD	02MAY10	SCALE AS SHOWN	REV. 1
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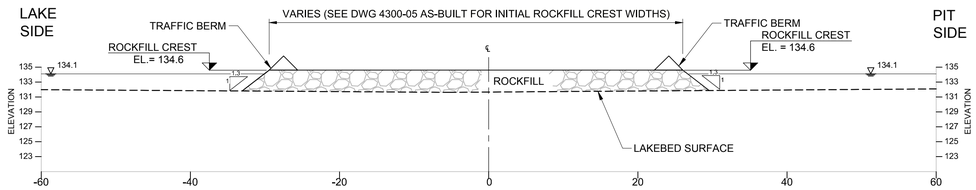
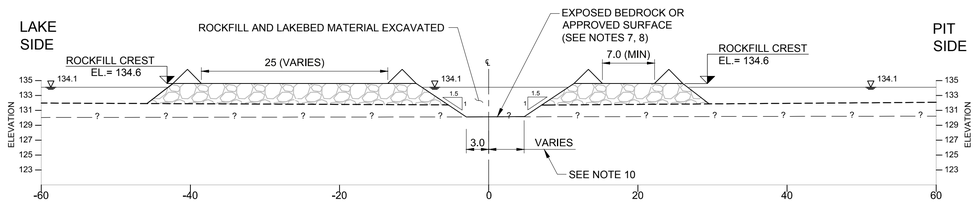
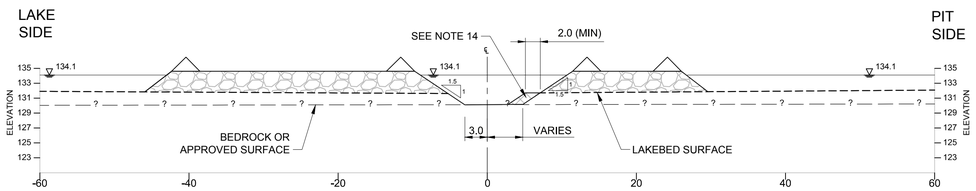
CHECK	FE	31MAY10		
REVIEW	MRJ	31MAY10		



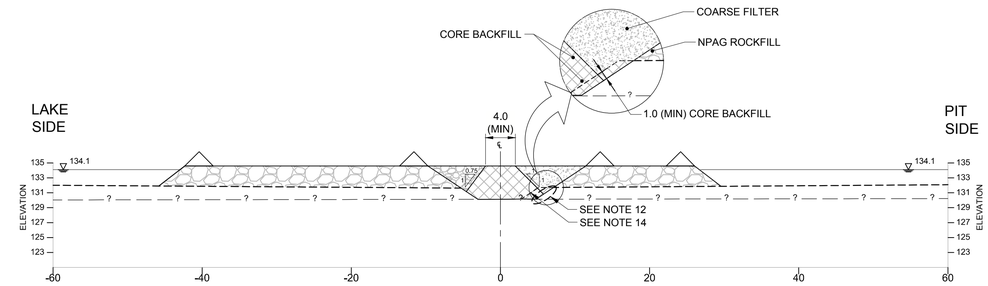
A INITIAL ROCKFILL PLACEMENT SECTION
SCALE: A



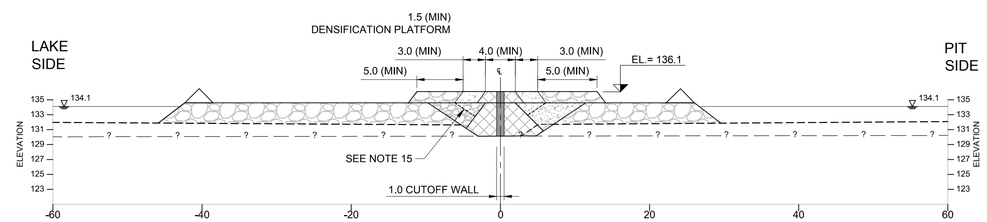
B EXCAVATION TO BEDROCK OR APPROVED SURFACE SECTION
SCALE: A



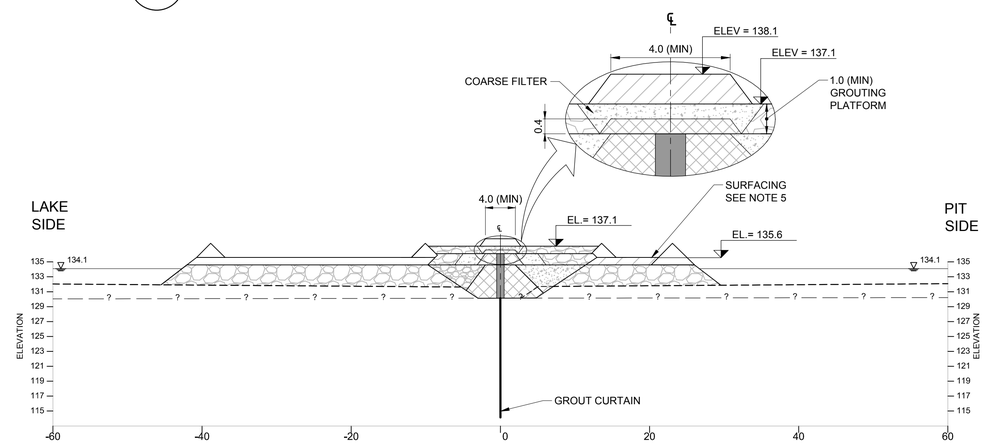
C CORE BACKFILL FILTER PLACEMENT SECTION (WHEN NEEDED)
SCALE: A



D CORE BACKFILL, COARSE FILTER AND FINE ROCKFILL PLACEMENT SECTION
SCALE: A



E DENSIFICATION PLATFORM AND CUTOFF WALL PLACEMENT SECTION
SCALE: A



F ROCKFILL SURFACING AND GROUTING PLATFORM PLACEMENT SECTION
SCALE: A

0 4 8 12 16 20
SCALE: A

NOTES

1) ALL DIMENSIONS ARE IN METRES UNLESS OTHERWISE NOTED.
2) ALL ELEVATIONS ARE IN METRES ABOVE SEA LEVEL (MASL), UNLESS OTHERWISE NOTED.
3) LAKEBED SURFACE BASED ON BATHYMETRIC SURVEY BY GOLDER ASSOCIATES LTD. 2008. DEPTH TO LAKEBED AND BEDROCK BENEATH CUTOFF WALL CENTRELINE INFERRED, BASED ON GEOTECHNICAL INVESTIGATIONS.
4) WIDTH OF ROCKFILL TO BE ADJUSTED IN FIELD TO SUIT CONDITIONS, IF NECESSARY.
5) ROCKFILL SURFACING AND THERMAL CAP TO BE PLACED BY AEM. PLACEMENT IN PROGRESS AS OF APRIL 2013.
6) GEOCHEMICAL CLASSIFICATION OF NPAG MATERIALS IS THE RESPONSIBILITY OF AEM. ALL MATERIALS USED IN CONSTRUCTION ARE TO BE NPAG.
7) EXCAVATION TO BEDROCK SURFACE OR SURFACE APPROVED BY ENGINEER.
8) ALL ICE RICH MATERIAL BENEATH THE CUTOFF WALL TO BE EXCAVATED, EXCEPT BETWEEN STA. 32+112 AND 32+166.
9) BEDROCK AND LAKEBED SURFACES ARE SHOWN AS SMOOTH LINES FOR ILLUSTRATIVE PURPOSES. CONTRACTOR SHOULD ANTICIPATE UNDULATING AND UNEVEN SURFACES.
10) WIDTH OF EXCAVATION VARIES. SEE DRAWINGS 4300-10, 4300-15, 4300-16, 4300-17, 4300-18 AND 4300-19 FOR DETAILS.
11) BASE WIDTH OF EXCAVATION ON UPSTREAM SIDE OF CENTRELINE NEEDS TO BE INCREASED LOCALLY TO 6m TO ACCOMMODATE CORNER CONSTRUCTION OF CUTOFF WALL.
12) CORE BACKFILL WITHIN THE DOWNSTREAM SIDE OF THE TRENCH IS TO BE PLACED AT LEAST WITHIN 2m OF THE LAKEBED SEDIMENT ELEVATION.
13) MATERIAL PLACEMENT ANGLES FOR THE COARSE FILTER AND CORE BACKFILL ARE APPROXIMATE. DOWNSTREAM CORE BACKFILL SLOPE IS TO BE MONITORED TO ENSURE THE 2m LIMIT (SEE NOTE 12) IS ACHIEVED.
14) ALONG PORTIONS OF THE ALIGNMENT, LATERAL PLACEMENT OF CORE BACKFILL ON THE DOWNSTREAM SIDE OF THE EXCAVATION WAS REQUIRED IN ADVANCE OF THE PROGRESSIVE BACKFILLING OF CORE BACKFILL AND COARSE FILTER/FINE ROCKFILL. THE ENGINEER DETERMINED WHERE LATERAL PLACEMENT WAS REQUIRED.
15) COARSE FILTER/FINE ROCKFILL MATERIAL WAS LOCALLY EXCAVATED AND REPLACED WITH CORE BACKFILL FOR VIBRO-DENSIFICATION.

LEGEND

- COARSE FILTER
- CORE BACKFILL
- ROCKFILL SURFACING AND THERMAL CAP
- ROCKFILL
- FINE ROCKFILL
- CUTOFF WALL (SOIL BENTONITE AND/OR CEMENT SOIL BENTONITE)

DRAWING NO.	REFERENCES

REV	DATE	DES	REVISION DESCRIPTION	CADD	CHK	RVW
2	15DEC12	FE	AS-BUILT	EA	GRB	FE
1	20AUG10	DW	REVISED NOTE 15 AND SECTION TITLE	JK	FE	MRJ
0	06JUL10	KD	ISSUED FOR CONSTRUCTION	JK	FE	MRJ
B	18JUN10	KD	ISSUED FOR CLIENT REVIEW	JK	FE	MRJ
A	31MAY10	KD	ISSUED FOR CLIENT REVIEW	NS	FE	MRJ

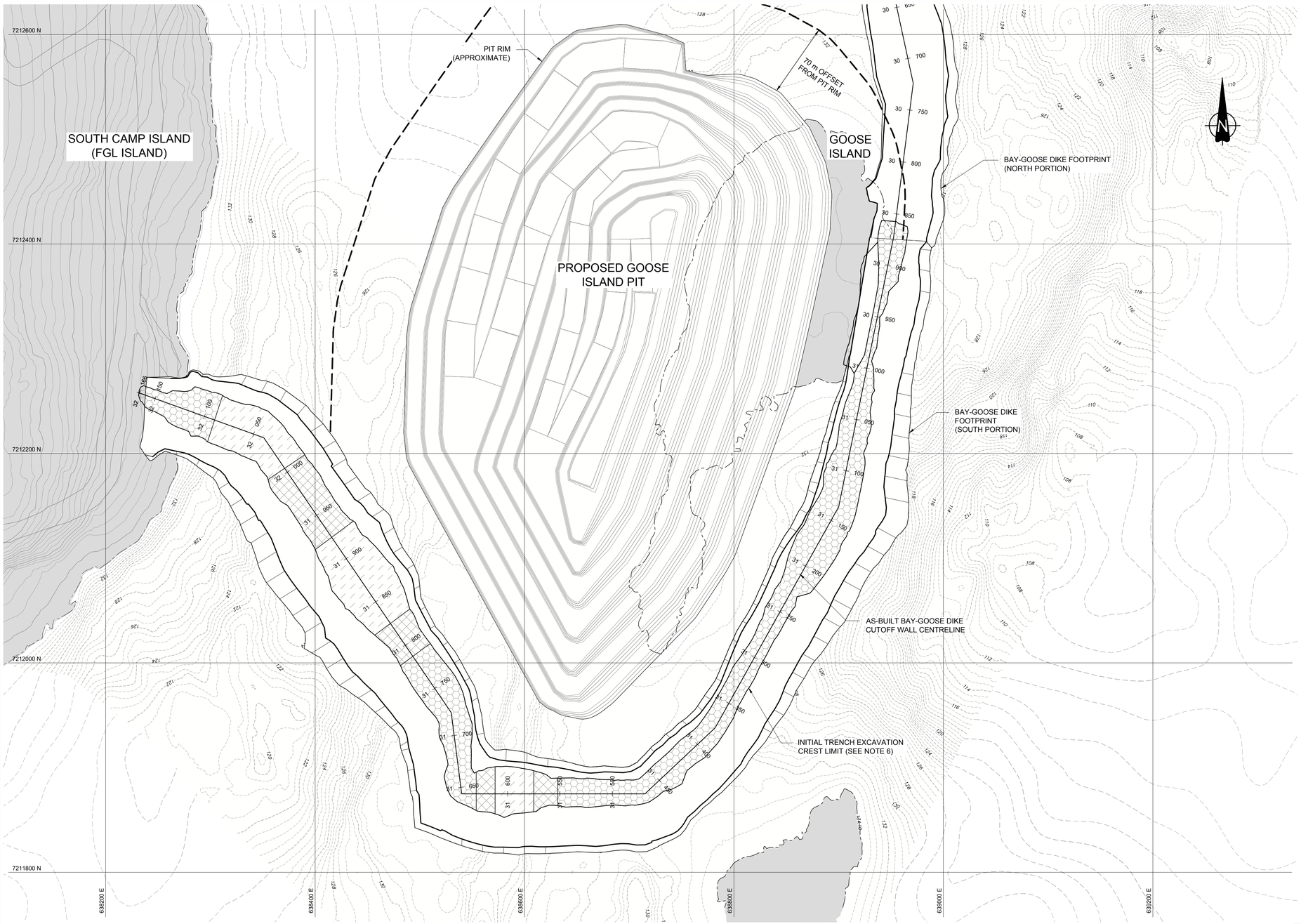
STAMP

PROJECT
AGNICO-EAGLE MINES LIMITED
MEADOWBANK GOLD PROJECT
NUNAVUT

TITLE
BAY-GOOSE DIKE SOUTH PORTION TYPICAL MATERIAL PLACEMENT SECTIONS

Golder Associates

PROJECT No.		09-1428-5007	FILE No.	4300_2_12
DESIGN	KD	02MAY10	SCALE AS SHOWN	REV. 2
CADD	NS	10MAY10	4300-12	
CHECK	FE	31MAY10		
REVIEW	MRJ	31MAY10		



LEGEND

- SECTION A DWG 4300-10
- SECTION B DWG 4300-10
- SECTION C DWG 4300-10 (PARTIAL CUTOFF)
- ROCKFILL PLATFORM CREST
- MINOR BATHYMETRY CONTOUR
- 130 MAJOR BATHYMETRY CONTOUR
- MINOR TOPOGRAPHIC CONTOUR
- 140 MAJOR TOPOGRAPHIC CONTOUR
- 70m OFFSET FROM PIT RIM
- SHORELINE

NOTES

1) ALL DIMENSIONS ARE IN METRES UNLESS OTHERWISE NOTED.
2) ALL ELEVATIONS ARE IN METRES ABOVE SEA LEVEL (MASL), UNLESS OTHERWISE NOTED.
3) GRID REFERENCE: NAD 83, UTM ZONE 14.
4) TOPOGRAPHIC CONTOUR INFORMATION ON LAND SUPPLIED BY AEM.
5) LAKEBED SURFACE BASED ON BATHYMETRIC SURVEYS BY GOLDER ASSOCIATES LTD., 2006 AND DETAILED (0.5m CONTOUR INTERVAL) 2008.
6) INITIAL TRENCH EXCAVATED TO BEDROCK. EXCEPT IN PARTIAL CUTOFF ZONES. IN PARTIAL CUTOFF ZONES, EXCAVATION EXTENDED UNTIL COMPETENT SOILS REACHED, AS APPROVED BY ENGINEER.
7) UPSTREAM SIDE OF CENTRELINE WAS INCREASED LOCALLY TO 6m TO ACCOMMODATE CORNER CONSTRUCTION OF CUTOFF WALL.

REFERENCE

1) GOOSE ISLAND PIT DESIGN BY AEM, MAY, 2010.

0 20 40 60 80 100
SCALE: A

DRAWING NO.	REFERENCES

REV	DATE	DES	REVISION DESCRIPTION	CADD	CHK	RVW
1	15DEC12	FE	AS-BUILT	EA	GRB	FE
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B	18JUN10	KD	ISSUED FOR CLIENT REVIEW	EA	FE	MRJ
A	31MAY10	KD	ISSUED FOR CLIENT REVIEW	EA	FE	MRJ

STAMP

PROJECT

AEM

AGNICO-EAGLE MINES LIMITED
MEADOWBANK GOLD PROJECT
NUNAVUT

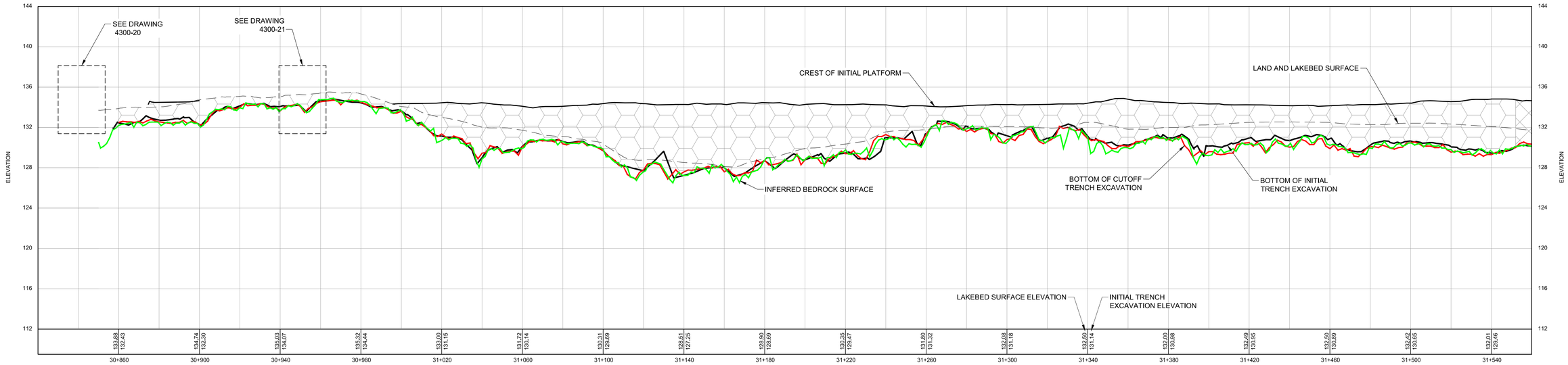
TITLE

BAY-GOOSE DIKE SOUTH PORTION PLAN VIEW OF INITIAL TRENCH EXCAVATION

Golder Associates

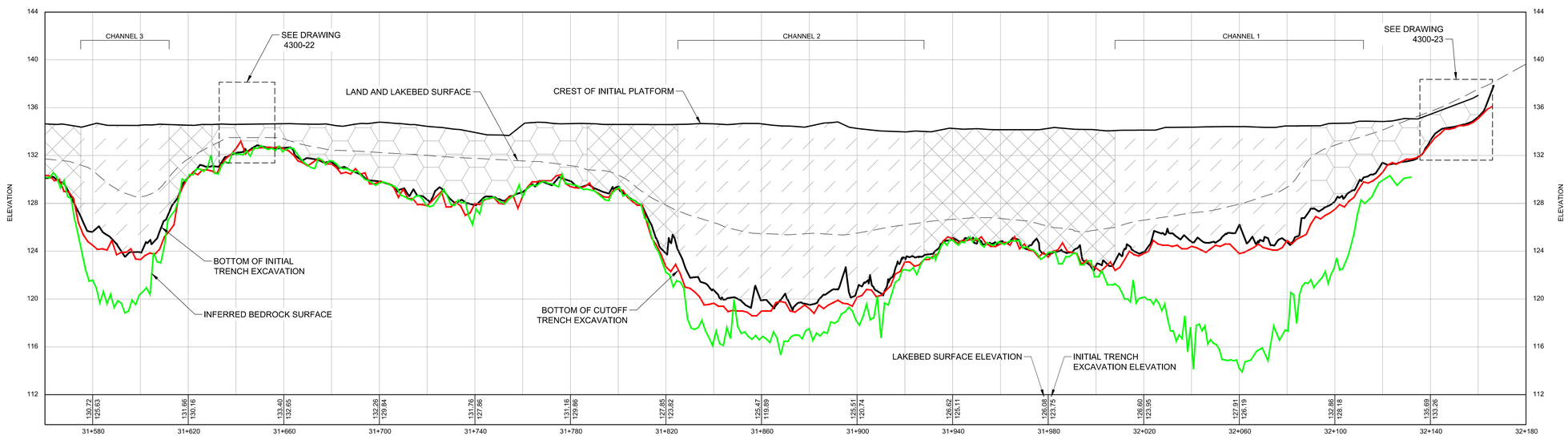
PROJECT No.		09-1428-5007	FILE No.	4300_1_13
DESIGN	KD	02MAY10	SCALE AS SHOWN	REV. 1
CADD	EA	10MAY10	4300-13	
CHECK	FE	31MAY10		
REVIEW	MRJ	31MAY10		

REVISION DATE:12/5/2012 4:17:54 PMBy: TYKLASSEN CADD FILE: N:\bur-graphics\Projects\2009\1428\09-1428-5007\Drafting\4000\meadowbank - bay-goose (south) dike as-built\4300_1_13.dwg



INITIAL TRENCH EXCAVATION PROFILE

VERTICAL EXAGGERATION 5X



INITIAL TRENCH EXCAVATION PROFILE

VERTICAL EXAGGERATION 5X

LEGEND

- SECTION A DWG 4300-10
- SECTION B DWG 4300-10
- SECTION C DWG 4300-10 (PARTIAL CUTOFF)
- CREST OF INITIAL PLATFORM
- INITIAL TRENCH EXCAVATION
- LAND AND LAKEBED SURFACE
- INFERRED BEDROCK (DRILLING/JET GROUTING)
- BOTTOM OF CUTOFF TRENCH EXCAVATION (BEDROCK OR COMPETENT SOIL)

NOTES

1) ALL DIMENSIONS ARE IN METRES UNLESS OTHERWISE NOTED.
2) ALL ELEVATIONS ARE IN METRES ABOVE SEA LEVEL (MASL), UNLESS OTHERWISE NOTED.
3) TOPOGRAPHIC CONTOUR INFORMATION ON LAND SUPPLIED BY AEM.
4) LAKEBED SURFACE BASED ON BATHYMETRIC SURVEYS BY GOLDER ASSOCIATES LTD., 2006 AND DETAILED (0.5m CONTOUR INTERVAL) 2008.
5) INFERRED BEDROCK BASED ON INFORMATION OBTAINED DURING JET GROUTING AND CASING INSTALLATION FOR GROUTING.
6) INITIAL TRENCH EXCAVATED TO BEDROCK, EXCEPT IN PARTIAL CUTOFF ZONES (CHANNEL 1, 2, AND 3). IN PARTIAL CUTOFF ZONES, EXCAVATION WAS EXTENDED UNTIL COMPETENT SOILS REACHED, AS APPROVED BY ENGINEER.
7) CUTOFF TRENCH EXCAVATION TO BEDROCK, EXCEPT IN CHANNEL 1, 2, AND 3 WHERE EXCAVATION STOPPED IN COMPETENT SOIL.

0 10 20 30 40 50
HORIZONTAL SCALE

0 2 4 6 8 10
VERTICAL SCALE

DRAWING NO.	REFERENCES

REV	DATE	DES	REVISION DESCRIPTION	CADD	CHK	RVW
1	15DEC12	FE	AS-BUILT	EA	GRB	FE
0	06JUL10	KD	ISSUED FOR CONSTRUCTION	JK	FE	MRJ
B	18JUN10	KD	ISSUED FOR CLIENT REVIEW	JK	FE	MRJ
A	31MAY10	KD	ISSUED FOR CLIENT REVIEW	JK	FE	MRJ

STAMP

PROJECT

AEM

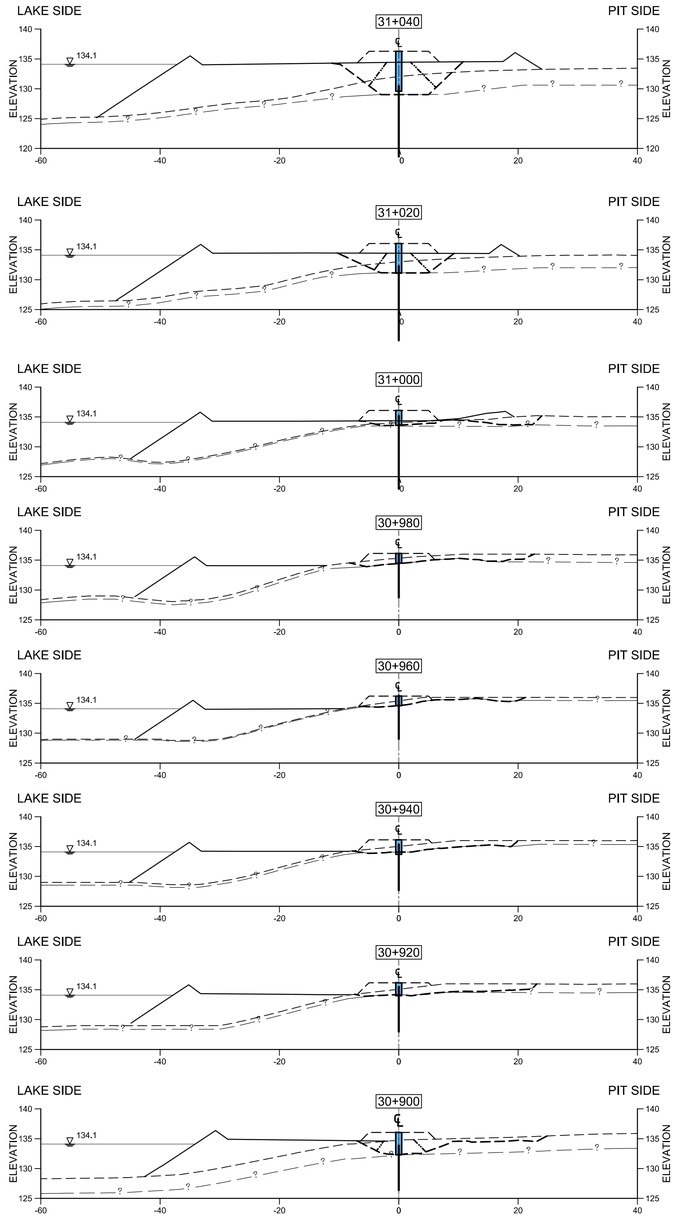
AGNICO-EAGLE MINES LIMITED
MEADOWBANK GOLD PROJECT
NUNAVUT

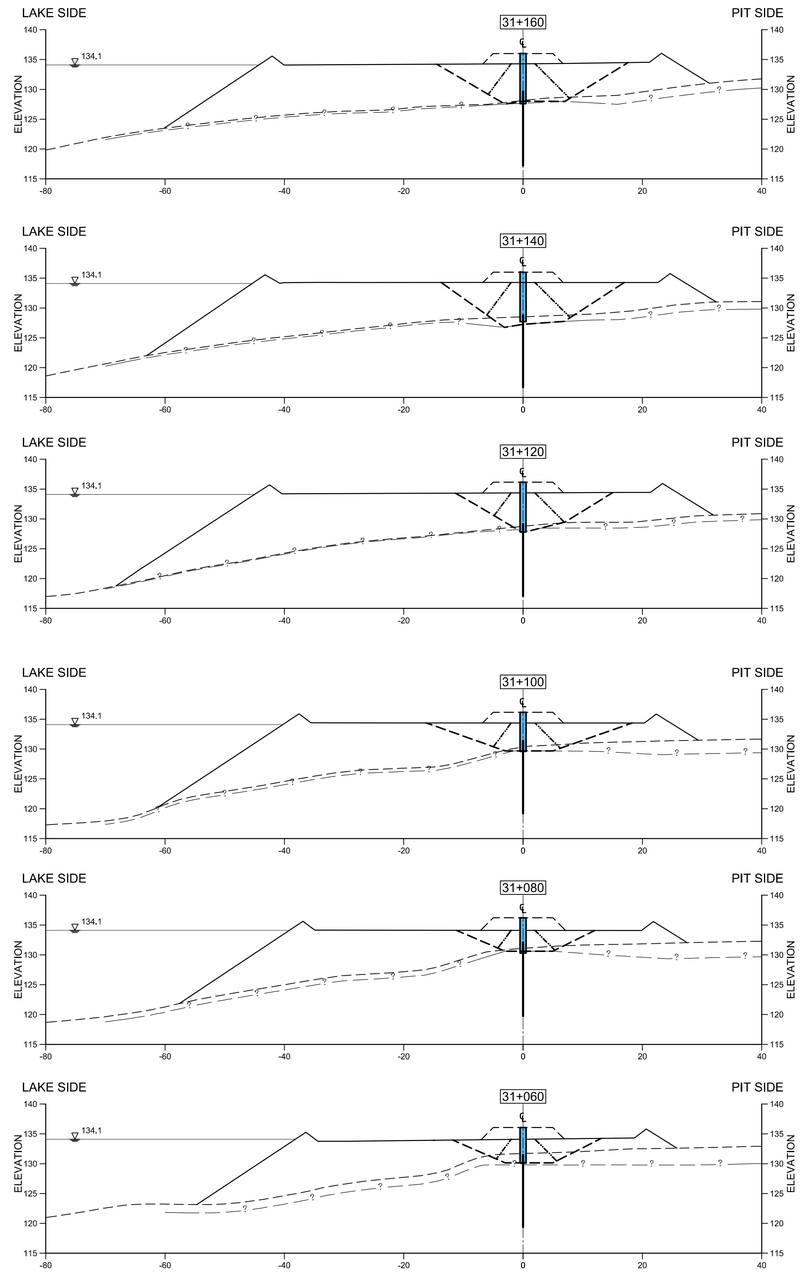
TITLE

BAY-GOOSE DIKE SOUTH PORTION INITIAL TRENCH EXCAVATION PROFILE

Golder Associates

PROJECT No.		09-1428-5007	FILE No.		4300_1_14
DESIGN	KD	02MAY10	SCALE	AS SHOWN	REV. 1
CADD	NS	10MAY10	4300-14		
CHECK	FE	31MAY10			
REVIEW	MRJ	31MAY10			





LEGEND

- LAKEBED BATHYMETRY OR LAND SURFACE SURVEY
- AS-BUILT ROCKFILL (SEE NOTE 13)
- AS-BUILT TRENCH EXCAVATION
- INFERRED BEDROCK (FROM INVESTIGATION)
- AS-BUILT DENSIFICATION PLATFORM (SHOWING ONLY CORE BACKFILL AND COARSE FILTER PORTION)
- INFERRED DENSIFICATION PLATFORM (SHOWING ONLY CORE BACKFILL AND COARSE FILTER PORTION)
- INFERRED CORE BACKFILL
- AS-BUILT CORE BACKFILL/REPLACEMENT
- AS-BUILT CUTOFF WALL (SB)
- AS-BUILT CUTOFF WALL (CSB)
- AS-BUILT JET GROUT
- GROUT CURTAIN

LAKE SIDE = UPSTREAM
PIT SIDE = DOWNSTREAM

NOTES

1) ALL DIMENSIONS ARE IN METRES UNLESS OTHERWISE NOTED.
2) ALL ELEVATIONS ARE IN METRES ABOVE SEA LEVEL (MASL), UNLESS OTHERWISE NOTED.
3) CONTOUR INFORMATION ON LAND SUPPLIED BY AEM.
4) SURVEYED LAKE SURFACE ELEVATION : THIRD PORTAGE LAKE = 134.1m (2008)
5) LAKEBED SURFACE BASED ON BATHYMETRIC SURVEY BY GOLDER ASSOCIATES LTD., 2006 AND DETAILED (0.5m CONTOUR INTERVAL) 2008.
6) BEDROCK SURFACE INFERRED FROM 2009 AND 2010 AIR-TRACK INVESTIGATION, 2010 BOREHOLE INVESTIGATION AND CUTOFF TRENCH EXCAVATION, GROUTING AND JET GROUTING DATA.
7) ALL SLOPES ARE NOMINAL.
8) CORE BACKFILL WITHIN THE DOWNSTREAM SIDE OF THE TRENCH PLACED AT LEAST WITHIN 2m OF THE LAKEBED SEDIMENT ELEVATION.
9) MATERIAL PLACEMENT ANGLES FOR THE CORE BACKFILL AND COARSE FILTER/FINE ROCKFILL ARE APPROXIMATE. DOWNSTREAM CORE BACKFILL SLOPE WAS MONITORED TO ENSURE THE 2m LIMIT (NOTE 8) WAS ACHIEVED.
10) ALONG PORTIONS OF THE ALIGNMENT, LATERAL PLACEMENT OF CORE BACKFILL ON THE DOWNSTREAM SIDE OF THE EXCAVATION (SEE 4300-12, SECTION C) IN ADVANCE OF THE PROGRESSIVE BACKFILLING OF CORE BACKFILL AND COARSE FILTER/ FINE ROCKFILL WAS REQUIRED BY THE ENGINEER.
11) INITIAL TRENCH EXCAVATION SURFACE SHOWN BETWEEN STA. 31+020 TO 31+120 IS ESTIMATED. NO SOUNDING MEASUREMENTS WERE COMPLETED PRIOR TO CORE BACKFILL PLACEMENT.
12) ADDITIONAL ROCKFILL HAS BEEN PLACED OVER THE DIKE PLATFORM, NOT SURVEYED.
13) ONLY THE CORE BACKFILL AND COARSE FILTER COMPONENTS OF THE DENSIFICATION PLATFORM ARE SHOWN.

0 5 10 15 20 25
SCALE: A

PROJECT

AEM

AGNICO-EAGLE MINES LIMITED
MEADOWBANK GOLD PROJECT
NUNAVUT

TITLE

BAY-GOOSE DIKE SOUTH PORTION CROSS-SECTIONS (1 OF 5)

Golder Associates

PROJECT No.		09-1428-5007
DESIGN	KD	02MAY10
CADD	NS	10MAY10
CHECK	FE	31MAY10
REVIEW	MRJ	31MAY10

FILE No. 4300_0_15
SCALE AS SHOWN REV. 1

4300-15

STAMP

REV	DATE	DES	REVISION DESCRIPTION	CADD	CHK	RVW
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0	06JUL10	KD	ISSUED FOR CONSTRUCTION	JK	FE	MRJ
B	18JUN10	KD	ISSUED FOR CLIENT REVIEW	JK	FE	MRJ
A	31MAY10	KD	ISSUED FOR CLIENT REVIEW	NS	FE	MRJ

DRAWING NO. | REFERENCES

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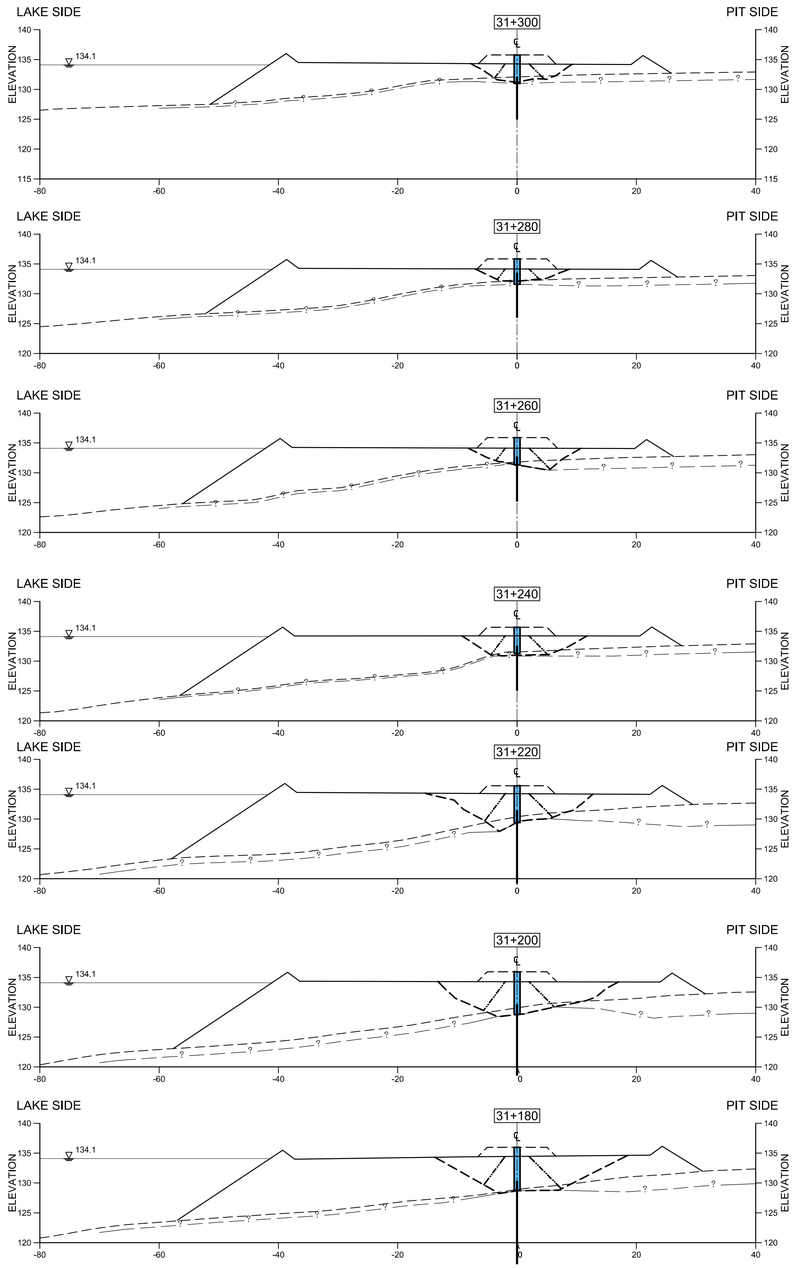
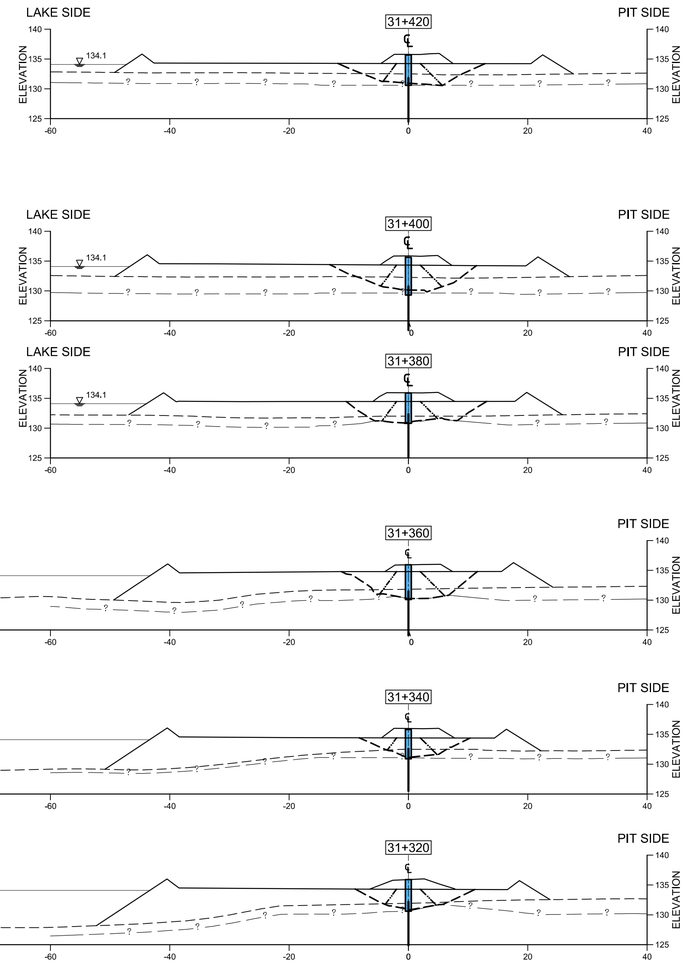




LEGEND

- LAKEBED BATHYMETRY OR LAND SURFACE SURVEY
- AS-BUILT ROCKFILL (SEE NOTE 13)
- AS-BUILT TRENCH EXCAVATION
- INFERRED BEDROCK (FROM INVESTIGATION)
- AS-BUILT DENSIFICATION PLATFORM (SHOWING ONLY CORE BACKFILL AND COARSE FILTER PORTION)
- INFERRED DENSIFICATION PLATFORM (SHOWING ONLY CORE BACKFILL AND COARSE FILTER PORTION)
- INFERRED CORE BACKFILL
- AS-BUILT CORE BACKFILL/REPLACEMENT
- AS-BUILT CUTOFF WALL (SB)
- AS-BUILT CUTOFF WALL (CSB)
- AS-BUILT JET GROUT
- GROUT CURTAIN

LAKE SIDE = UPSTREAM
PIT SIDE = DOWNSTREAM

NOTES

1) ALL DIMENSIONS ARE IN METRES UNLESS OTHERWISE NOTED.
2) ALL ELEVATIONS ARE IN METRES ABOVE SEA LEVEL (MASL), UNLESS OTHERWISE NOTED.
3) CONTOUR INFORMATION ON LAND SUPPLIED BY AEM.
4) SURVEYED LAKE SURFACE ELEVATION : THIRD PORTAGE LAKE = 134.1m (2008)
5) LAKEBED SURFACE BASED ON BATHYMETRIC SURVEY BY GOLDER ASSOCIATES LTD., 2006 AND DETAILED (0.5m CONTOUR INTERVAL) 2008.
6) BEDROCK SURFACE INFERRED FROM 2009 AND 2010 AIR-TRACK INVESTIGATION, 2010 BOREHOLE INVESTIGATION AND CUTOFF TRENCH EXCAVATION, GROUTING AND JET GROUTING DATA.
7) ALL SLOPES ARE NOMINAL.
8) CORE BACKFILL WITHIN THE DOWNSTREAM SIDE OF THE TRENCH PLACED AT LEAST WITHIN 2m OF THE LAKEBED SEDIMENT ELEVATION.
9) MATERIAL PLACEMENT ANGLES FOR THE CORE BACKFILL AND COARSE FILTER/FINE ROCKFILL ARE APPROXIMATE. DOWNSTREAM CORE BACKFILL SLOPE WAS MONITORED TO ENSURE THE 2m LIMIT (NOTE 8) WAS ACHIEVED.
10) ALONG PORTIONS OF THE ALIGNMENT, LATERAL PLACEMENT OF CORE BACKFILL ON THE DOWNSTREAM SIDE OF THE EXCAVATION (SEE 4300-12, SECTION C) IN ADVANCE OF THE PROGRESSIVE BACKFILLING OF CORE BACKFILL AND COARSE FILTER/ FINE ROCKFILL WAS REQUIRED BY THE ENGINEER.
11) INITIAL TRENCH EXCAVATION SURFACE SHOWN BETWEEN STA. 31+020 TO 31+120 IS ESTIMATED. NO SOUNDING MEASUREMENTS WERE COMPLETED PRIOR TO CORE BACKFILL PLACEMENT.
12) ADDITIONAL ROCKFILL HAS BEEN PLACED OVER THE DIKE PLATFORM, NOT SURVEYED.
13) ONLY THE CORE BACKFILL AND COARSE FILTER COMPONENTS OF THE DENSIFICATION PLATFORM ARE SHOWN.

0 5 10 15 20 25
SCALE: A

PROJECT

AEM

AGNICO-EAGLE MINES LIMITED
MEADOWBANK GOLD PROJECT
NUNAVUT

TITLE

BAY-GOOSE DIKE SOUTH PORTION CROSS-SECTIONS (2 OF 5)

Golder Associates

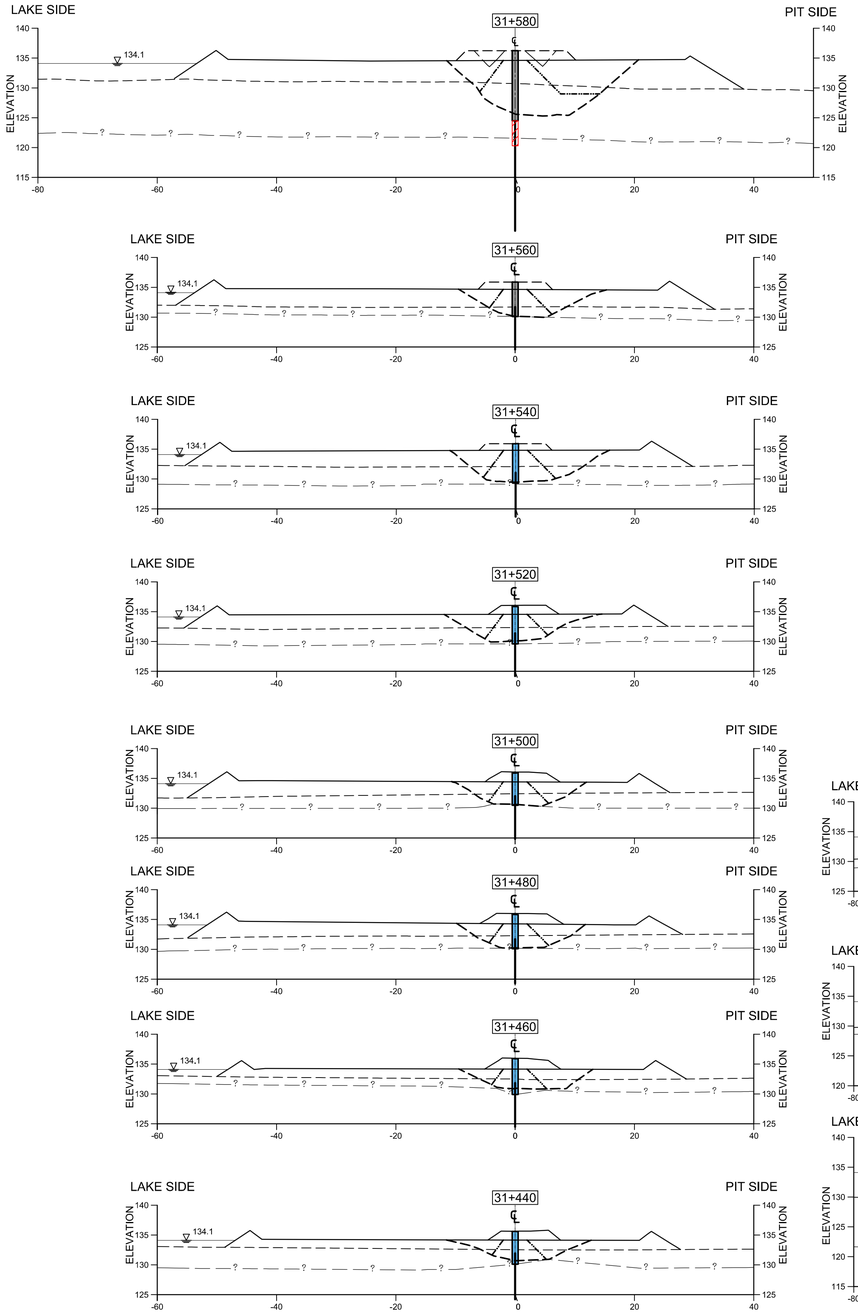
PROJECT No.		09-1428-5007	FILE No. 4300_0_15
DESIGN	KD	02MAY10	SCALE AS SHOWN REV. 1
CADD	NS	10MAY10	4300-16
CHECK	FE	31MAY10	
REVIEW	MRJ	31MAY10	

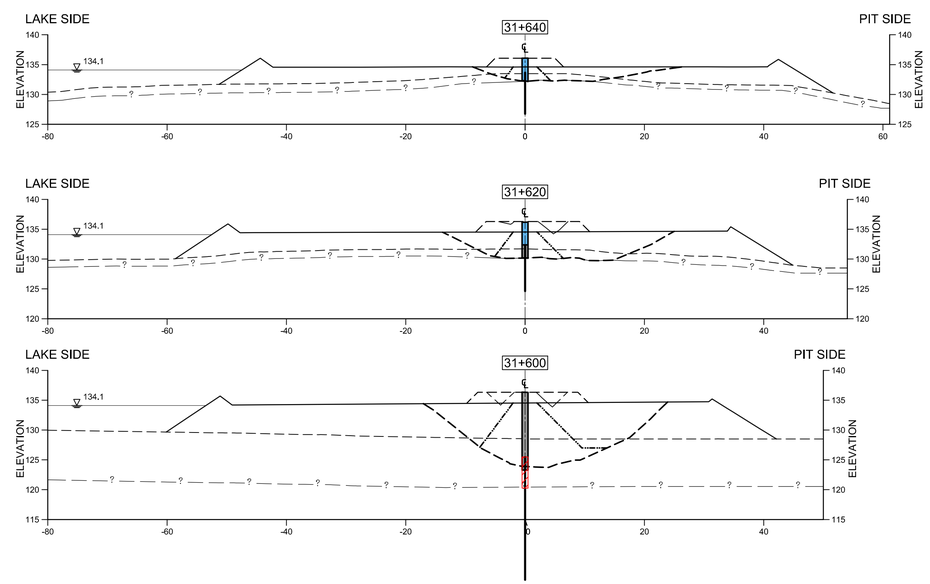
STAMP

REV	DATE	DES	REVISION DESCRIPTION	CADD	CHK	RVW
1	15DEC12	FE	AS-BUILT	EA	GRB	FE
0	06JUL10	KD	ISSUED FOR CONSTRUCTION	JK	FE	MRJ
B	18JUN10	KD	ISSUED FOR CLIENT REVIEW	JK	FE	MRJ
A	31MAY10	KD	ISSUED FOR CLIENT REVIEW	NS	FE	MRJ

DRAWING NO. REFERENCES

REVISION DATE:12/5/2012 4:25:22 PM By: TYKLASSEN CADD FILE: N:\bur-graphics\Projects\2009\1428\09-1428-5007\Drafting\4000\meadowbank - bay-goose (south) dike as-built\4300_0_15.dwg





LEGEND

- LAKEBED BATHYMETRY OR LAND SURFACE SURVEY
- AS-BUILT ROCKFILL (SEE NOTE 13)
- AS-BUILT TRENCH EXCAVATION
- INFERRED BEDROCK (FROM INVESTIGATION)
- AS-BUILT DENSIFICATION PLATFORM (SHOWING ONLY CORE BACKFILL AND COARSE FILTER PORTION)
- INFERRED DENSIFICATION PLATFORM (SHOWING ONLY CORE BACKFILL AND COARSE FILTER PORTION)
- INFERRED CORE BACKFILL
- AS-BUILT CORE BACKFILL/REPLACEMENT
- AS-BUILT CUTOFF WALL (SB)
- AS-BUILT CUTOFF WALL (CSB)
- AS-BUILT JET GROUT
- GROUT CURTAIN

LAKE SIDE = UPSTREAM
PIT SIDE = DOWNSTREAM

NOTES

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6) BEDROCK SURFACE INFERRED FROM 2009 AND 2010 AIR-TRACK INVESTIGATION, 2010 BOREHOLE INVESTIGATION AND CUTOFF TRENCH EXCAVATION, GROUTING AND JET GROUTING DATA.
7) ALL SLOPES ARE NOMINAL.
8) CORE BACKFILL WITHIN THE DOWNSTREAM SIDE OF THE TRENCH PLACED AT LEAST WITHIN 2m OF THE LAKEBED SEDIMENT ELEVATION.
9) MATERIAL PLACEMENT ANGLES FOR THE CORE BACKFILL AND COARSE FILTER/FINE ROCKFILL ARE APPROXIMATE. DOWNSTREAM CORE BACKFILL SLOPE WAS MONITORED TO ENSURE THE 2m LIMIT (NOTE 8) WAS ACHIEVED.
10) ALONG PORTIONS OF THE ALIGNMENT, LATERAL PLACEMENT OF CORE BACKFILL ON THE DOWNSTREAM SIDE OF THE EXCAVATION (SEE 4300-12, SECTION C) IN ADVANCE OF THE PROGRESSIVE BACKFILLING OF CORE BACKFILL AND COARSE FILTER/ FINE ROCKFILL WAS REQUIRED BY THE ENGINEER.
11) INITIAL TRENCH EXCAVATION SURFACE SHOWN BETWEEN STA. 31+020 TO 31+120 IS ESTIMATED. NO SOUNDING MEASUREMENTS WERE COMPLETED PRIOR TO CORE BACKFILL PLACEMENT.
12) ADDITIONAL ROCKFILL HAS BEEN PLACED OVER THE DIKE PLATFORM, NOT SURVEYED.
13) ONLY THE CORE BACKFILL AND COARSE FILTER COMPONENTS OF THE DENSIFICATION PLATFORM ARE SHOWN.

0 5 10 15 20 25
SCALE: A

REV	DATE	DES	REVISION DESCRIPTION	CADD	CHK	RVW
1	15DEC12	FE	AS-BUILT	EA	GRB	FE
0	06JUL10	KD	ISSUED FOR CONSTRUCTION	JK	FE	MRJ
B	18JUN10	KD	ISSUED FOR CLIENT REVIEW	JK	FE	MRJ
A	31MAY10	KD	ISSUED FOR CLIENT REVIEW	NS	FE	MRJ

DRAWING NO. | REFERENCES

STAMP

PROJECT

AEM

AGNICO-EAGLE MINES LIMITED
MEADOWBANK GOLD PROJECT
NUNAVUT

TITLE

BAY-GOOSE DIKE SOUTH PORTION CROSS-SECTIONS (3 OF 5)

Golder Associates

PROJECT No.		09-1428-5007	FILE No.	4300_0_15
DESIGN	KD	02MAY10	SCALE AS SHOWN	REV. 1
CADD	NS	10MAY10	4300-17	
CHECK	FE	31MAY10		
REVIEW	MRJ	31MAY10		

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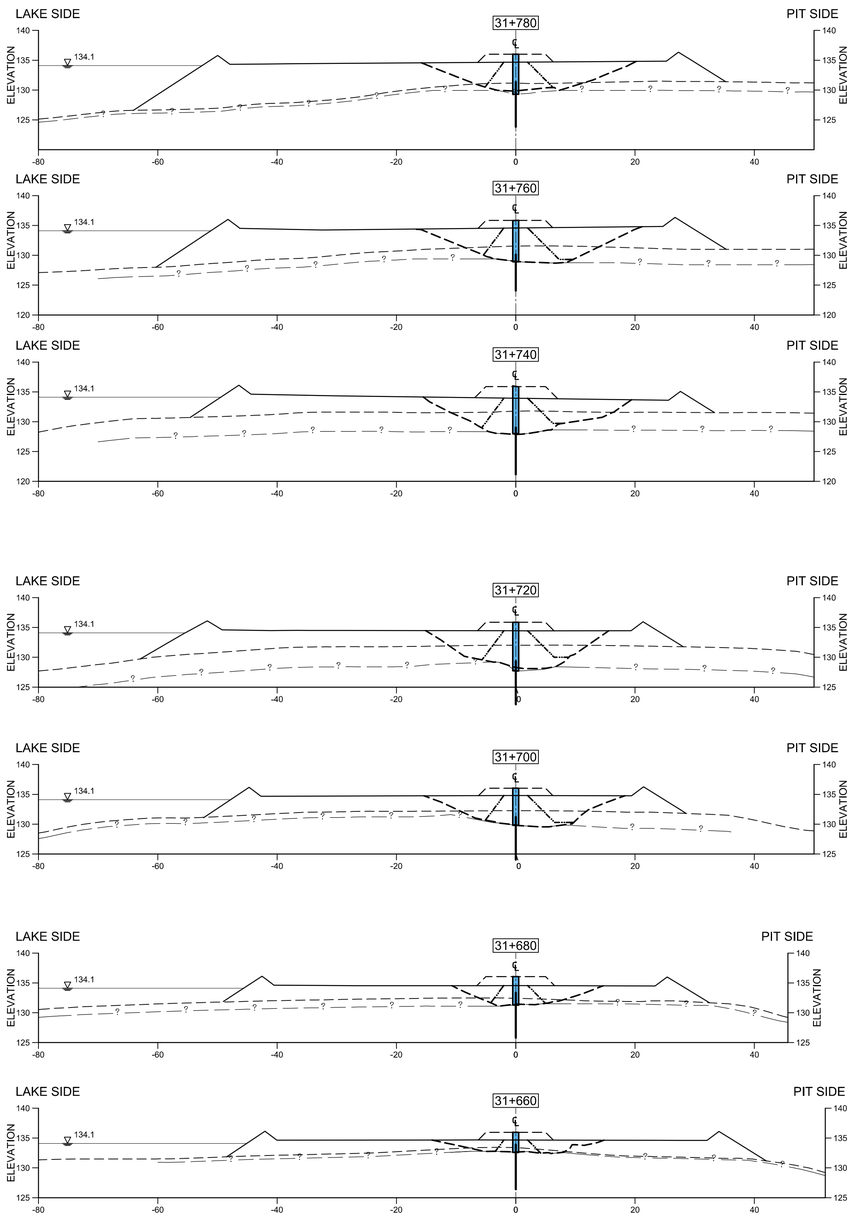
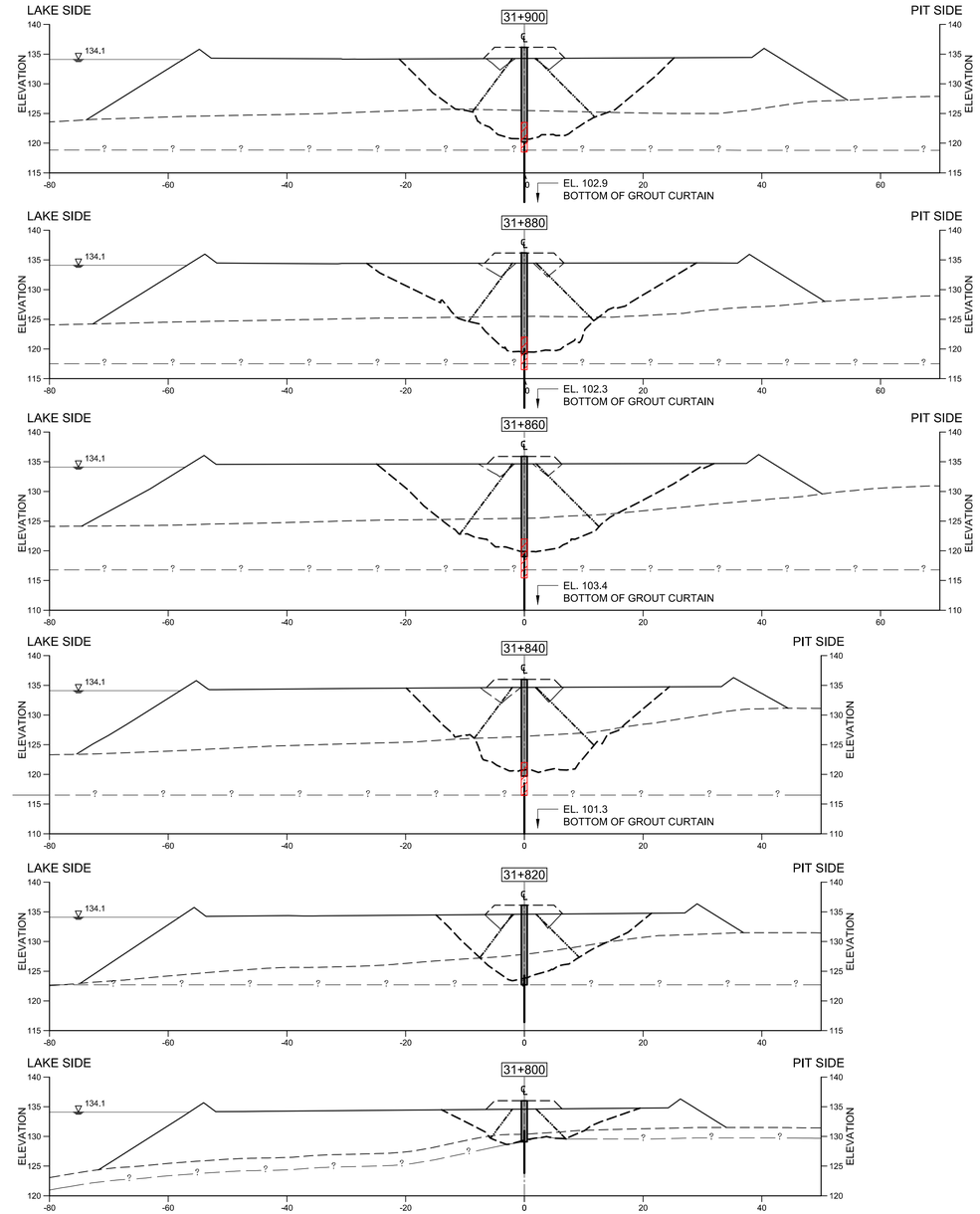




LEGEND

- LAKEBED BATHYMETRY OR LAND SURFACE SURVEY
- AS-BUILT ROCKFILL (SEE NOTE 13)
- AS-BUILT TRENCH EXCAVATION
- INFERRED BEDROCK (FROM INVESTIGATION)
- AS-BUILT DENSIFICATION PLATFORM (SHOWING ONLY CORE BACKFILL AND COARSE FILTER PORTION)
- INFERRED DENSIFICATION PLATFORM (SHOWING ONLY CORE BACKFILL AND COARSE FILTER PORTION)
- INFERRED CORE BACKFILL
- AS-BUILT CORE BACKFILL/REPLACEMENT
- AS-BUILT CUTOFF WALL (SB)
- AS-BUILT CUTOFF WALL (CSB)
- AS-BUILT JET GROUT
- GROUT CURTAIN

LAKE SIDE = UPSTREAM
PIT SIDE = DOWNSTREAM

NOTES

1) ALL DIMENSIONS ARE IN METRES UNLESS OTHERWISE NOTED.
2) ALL ELEVATIONS ARE IN METRES ABOVE SEA LEVEL (MASL), UNLESS OTHERWISE NOTED.
3) CONTOUR INFORMATION ON LAND SUPPLIED BY AEM.
4) SURVEYED LAKE SURFACE ELEVATION : THIRD PORTAGE LAKE = 134.1m (2008)
5) LAKEBED SURFACE BASED ON BATHYMETRIC SURVEY BY GOLDER ASSOCIATES LTD., 2006 AND DETAILED (0.5m CONTOUR INTERVAL) 2008.
6) BEDROCK SURFACE INFERRED FROM 2009 AND 2010 AIR-TRACK INVESTIGATION, 2010 BOREHOLE INVESTIGATION AND CUTOFF TRENCH EXCAVATION, GROUTING AND JET GROUTING DATA.
7) ALL SLOPES ARE NOMINAL.
8) CORE BACKFILL WITHIN THE DOWNSTREAM SIDE OF THE TRENCH PLACED AT LEAST WITHIN 2m OF THE LAKEBED SEDIMENT ELEVATION.
9) MATERIAL PLACEMENT ANGLES FOR THE CORE BACKFILL AND COARSE FILTER/FINE ROCKFILL ARE APPROXIMATE. DOWNSTREAM CORE BACKFILL SLOPE WAS MONITORED TO ENSURE THE 2m LIMIT (NOTE 8) WAS ACHIEVED.
10) ALONG PORTIONS OF THE ALIGNMENT, LATERAL PLACEMENT OF CORE BACKFILL ON THE DOWNSTREAM SIDE OF THE EXCAVATION (SEE 4300-12, SECTION C) IN ADVANCE OF THE PROGRESSIVE BACKFILLING OF CORE BACKFILL AND COARSE FILTER/ FINE ROCKFILL WAS REQUIRED BY THE ENGINEER.
11) INITIAL TRENCH EXCAVATION SURFACE SHOWN BETWEEN STA. 31+020 TO 31+120 IS ESTIMATED. NO SOUNDING MEASUREMENTS WERE COMPLETED PRIOR TO CORE BACKFILL PLACEMENT.
12) ADDITIONAL ROCKFILL HAS BEEN PLACED OVER THE DIKE PLATFORM, NOT SURVEYED.
13) ONLY THE CORE BACKFILL AND COARSE FILTER COMPONENTS OF THE DENSIFICATION PLATFORM ARE SHOWN.

0 5 10 15 20 25
SCALE: A

PROJECT

AEM

AGNICO-EAGLE MINES LIMITED
MEADOWBANK GOLD PROJECT
NUNAVUT

TITLE

BAY-GOOSE DIKE SOUTH PORTION CROSS-SECTIONS (4 OF 5)

Golder Associates

PROJECT No.		09-1428-5007
DESIGN	KD	02MAY10
CADD	NS	10MAY10
CHECK	FE	31MAY10
REVIEW	MRJ	31MAY10

FILE No. 4300_0_15
SCALE AS SHOWN REV. 1

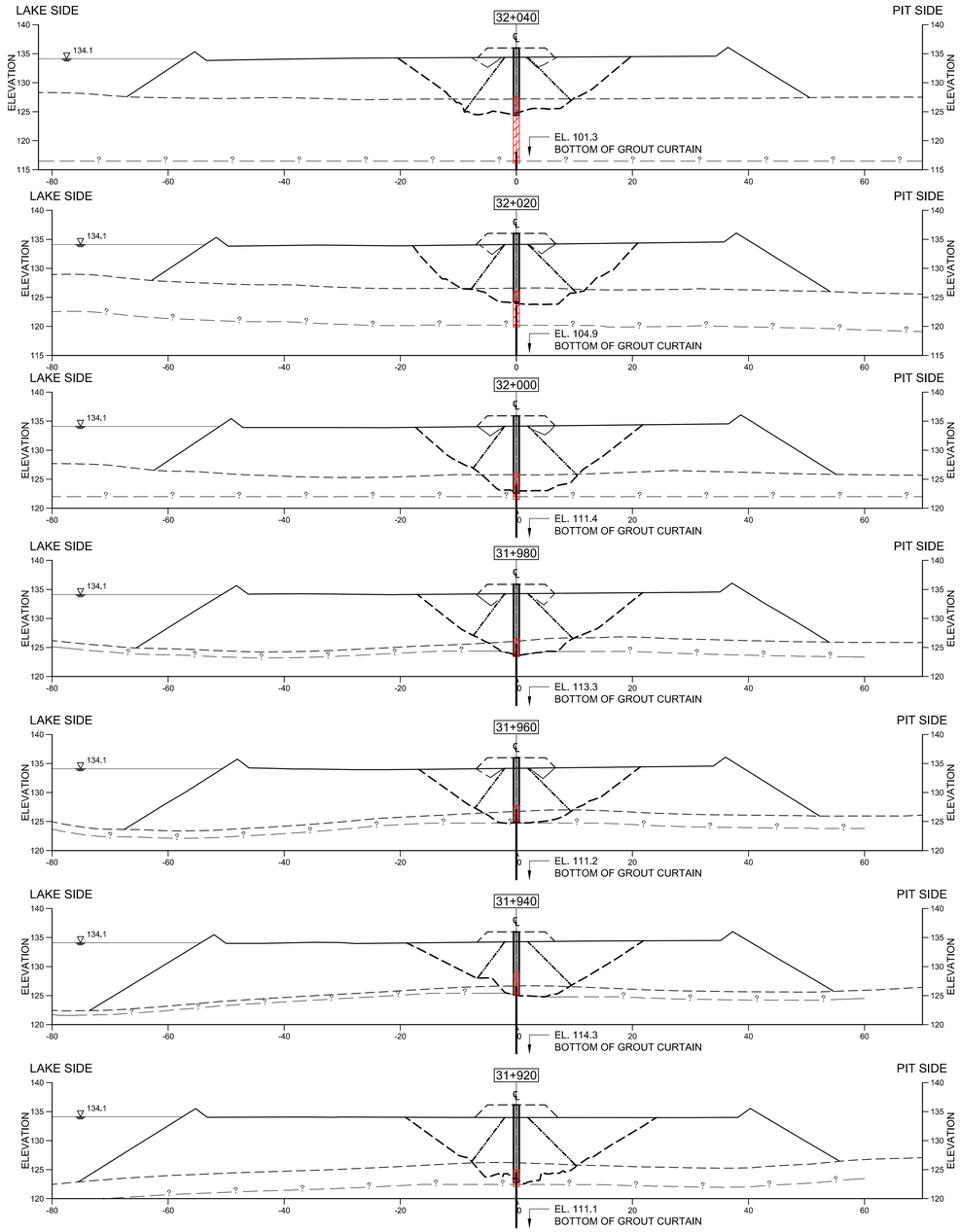
4300-18

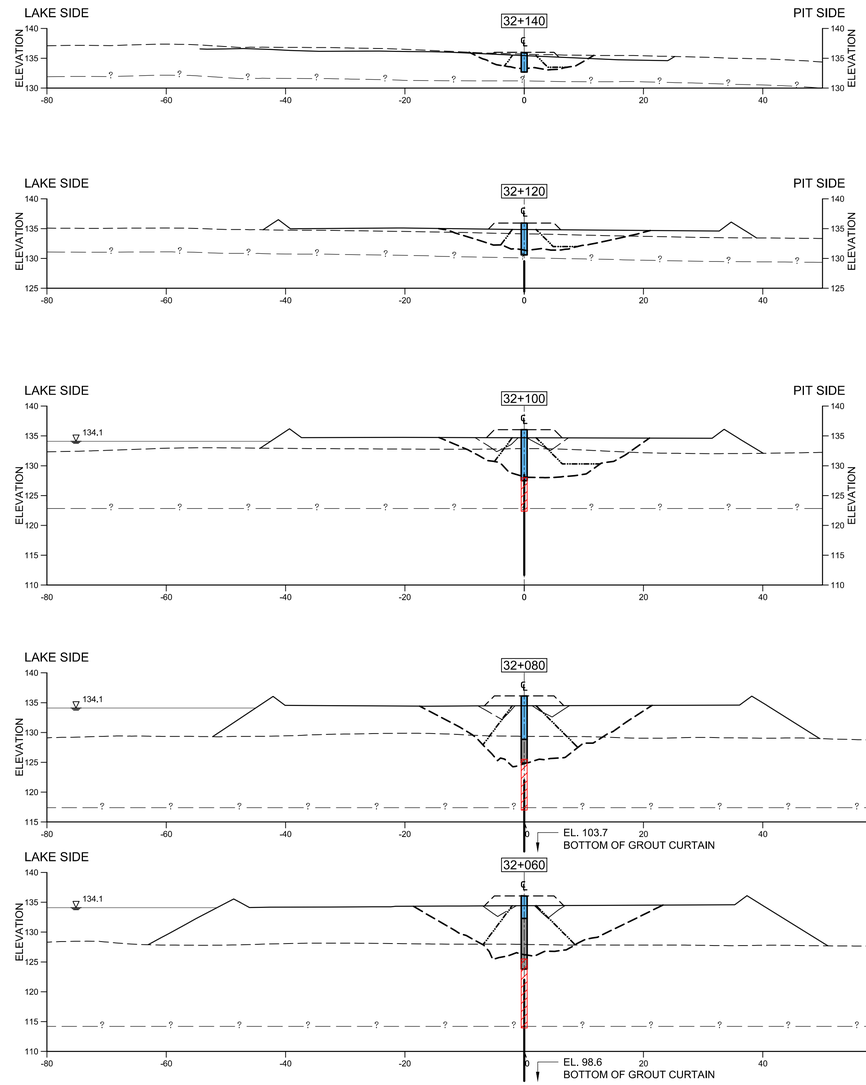
STAMP

REV	DATE	DES	REVISION DESCRIPTION	CADD	CHK	RVW
1	15DEC12	FE	AS-BUILT	EA	GRB	FE
0	06JUL10	KD	ISSUED FOR CONSTRUCTION	JK	FE	MRJ
B	18JUN10	KD	ISSUED FOR CLIENT REVIEW	JK	FE	MRJ
A	31MAY10	KD	ISSUED FOR CLIENT REVIEW	NS	FE	MRJ

DRAWING NO. | REFERENCES

REVISION DATE:12/5/2012 4:29:18 PM By: TYKLASSEN CADD FILE: N:\bur-graphics\Projects\2009\1428\09-1428-5007\Drafting\4000\meadowbank - bay-goose (south) dike as-built\4300_0_15.dwg





LEGEND

- LAKEBED BATHYMETRY OR LAND SURFACE SURVEY
- AS-BUILT ROCKFILL (SEE NOTE 13)
- AS-BUILT TRENCH EXCAVATION
- INFERRED BEDROCK (FROM INVESTIGATION)
- AS-BUILT DENSIFICATION PLATFORM (SHOWING ONLY CORE BACKFILL AND COARSE FILTER PORTION)
- INFERRED DENSIFICATION PLATFORM (SHOWING ONLY CORE BACKFILL AND COARSE FILTER PORTION)
- INFERRED CORE BACKFILL
- AS-BUILT CORE BACKFILL/REPLACEMENT
- AS-BUILT CUTOFF WALL (SB)
- AS-BUILT CUTOFF WALL (CSB)
- AS-BUILT JET GROUT
- GROUT CURTAIN

LAKE SIDE = UPSTREAM
PIT SIDE = DOWNSTREAM

NOTES

1) ALL DIMENSIONS ARE IN METRES UNLESS OTHERWISE NOTED.
2) ALL ELEVATIONS ARE IN METRES ABOVE SEA LEVEL (MASL), UNLESS OTHERWISE NOTED.
3) CONTOUR INFORMATION ON LAND SUPPLIED BY AEM.
4) SURVEYED LAKE SURFACE ELEVATION : THIRD PORTAGE LAKE = 134.1m (2008)
5) LAKEBED SURFACE BASED ON BATHYMETRIC SURVEY BY GOLDER ASSOCIATES LTD., 2006 AND DETAILED (0.5m CONTOUR INTERVAL) 2008.
6) BEDROCK SURFACE INFERRED FROM 2009 AND 2010 AIR-TRACK INVESTIGATION, 2010 BOREHOLE INVESTIGATION AND CUTOFF TRENCH EXCAVATION, GROUTING AND JET GROUTING DATA.
7) ALL SLOPES ARE NOMINAL.
8) CORE BACKFILL WITHIN THE DOWNSTREAM SIDE OF THE TRENCH PLACED AT LEAST WITHIN 2m OF THE LAKEBED SEDIMENT ELEVATION.
9) MATERIAL PLACEMENT ANGLES FOR THE CORE BACKFILL AND COARSE FILTER/FINE ROCKFILL ARE APPROXIMATE. DOWNSTREAM CORE BACKFILL SLOPE WAS MONITORED TO ENSURE THE 2m LIMIT (NOTE 8) WAS ACHIEVED.
10) ALONG PORTIONS OF THE ALIGNMENT, LATERAL PLACEMENT OF CORE BACKFILL ON THE DOWNSTREAM SIDE OF THE EXCAVATION (SEE 4300-12, SECTION C) IN ADVANCE OF THE PROGRESSIVE BACKFILLING OF CORE BACKFILL AND COARSE FILTER/ FINE ROCKFILL WAS REQUIRED BY THE ENGINEER.
11) INITIAL TRENCH EXCAVATION SURFACE SHOWN BETWEEN STA. 31+020 TO 31+120 IS ESTIMATED. NO SOUNDING MEASUREMENTS WERE COMPLETED PRIOR TO CORE BACKFILL PLACEMENT.
12) ADDITIONAL ROCKFILL HAS BEEN PLACED OVER THE DIKE PLATFORM, NOT SURVEYED.
13) ONLY THE CORE BACKFILL AND COARSE FILTER COMPONENTS OF THE DENSIFICATION PLATFORM ARE SHOWN.

0 5 10 15 20 25
SCALE: A

PROJECT

AEM

AGNICO-EAGLE MINES LIMITED
MEADOWBANK GOLD PROJECT
NUNAVUT

TITLE

BAY-GOOSE DIKE SOUTH PORTION CROSS SECTIONS (5 OF 5)

Golder Associates

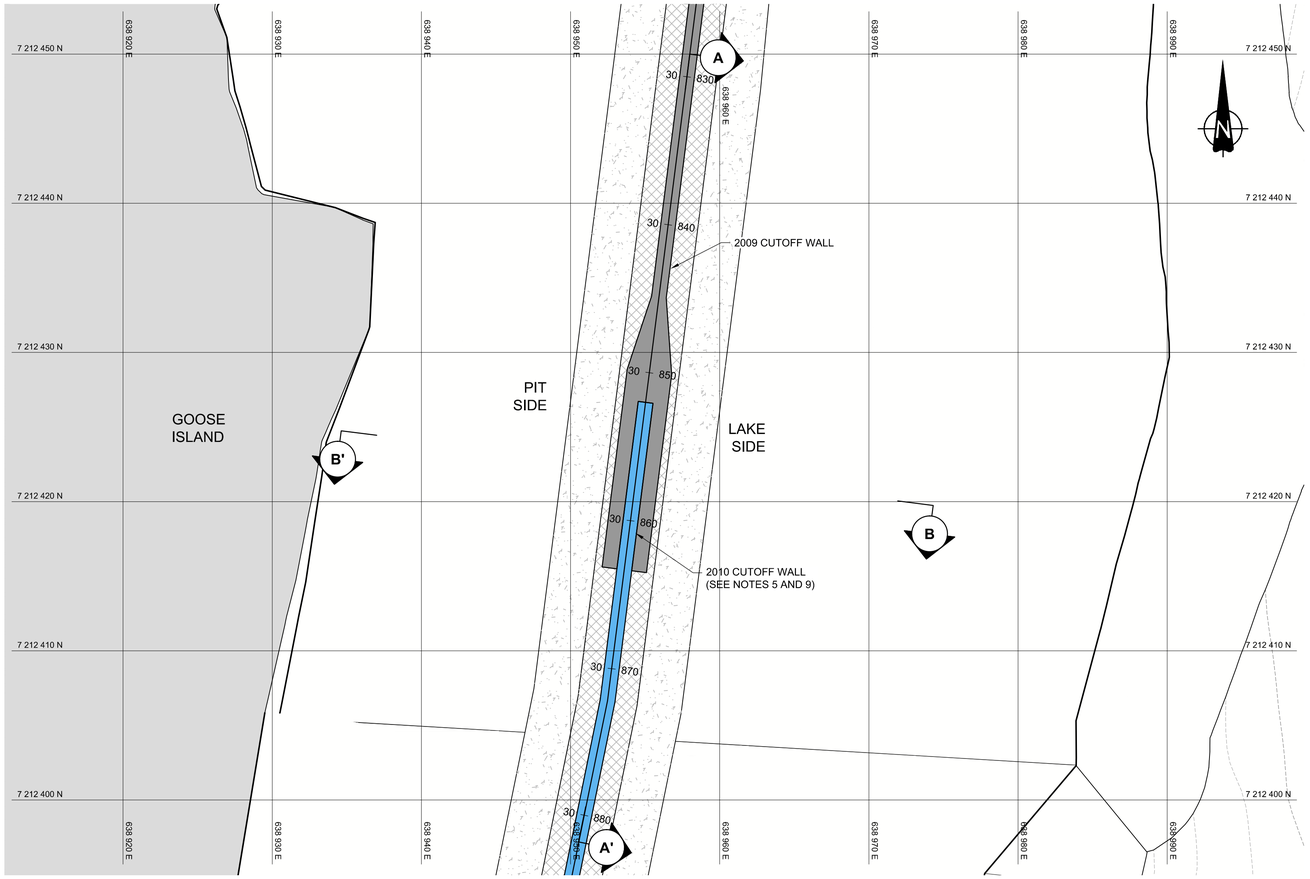
PROJECT No.		09-1428-5007	FILE No. 4300_0_15
DESIGN	KD	02MAY10	SCALE AS SHOWN REV. 1
CADD	NS	10MAY10	4300-19
CHECK	FE	31MAY10	
REVIEW	MRJ	31MAY10	

STAMP

REV	DATE	DES	REVISION DESCRIPTION	CADD	CHK	RVW
1	15DEC12	FE	AS-BUILT	EA	GRB	FE
0	06JUL10	KD	ISSUED FOR CONSTRUCTION	JK	FE	MRJ
B	18JUN10	KD	ISSUED FOR CLIENT REVIEW	JK	FE	MRJ
A	31MAY10	KD	ISSUED FOR CLIENT REVIEW	NS	FE	MRJ

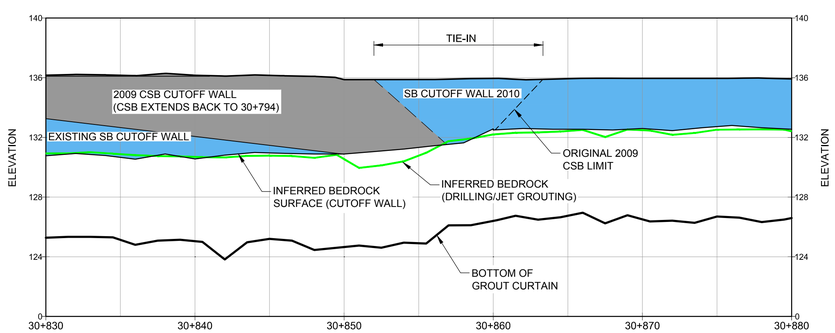
DRAWING NO. REFERENCES

REVISION DATE:12/5/2012 4:30:43 PM By: TYKLASSEN CADD FILE: N:\bur-graphics\Projects\2009\1428\09-1428-5007\Drafting\4000\meadowbank - bay-goose (south) dike as-built\4300_0_15.dwg



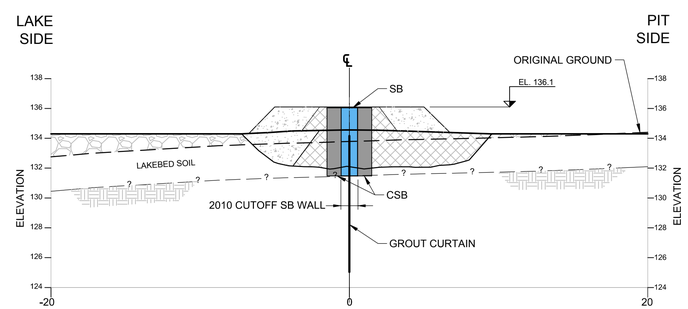
1 SB TO CSB KEY-IN DETAIL

SCALE: A



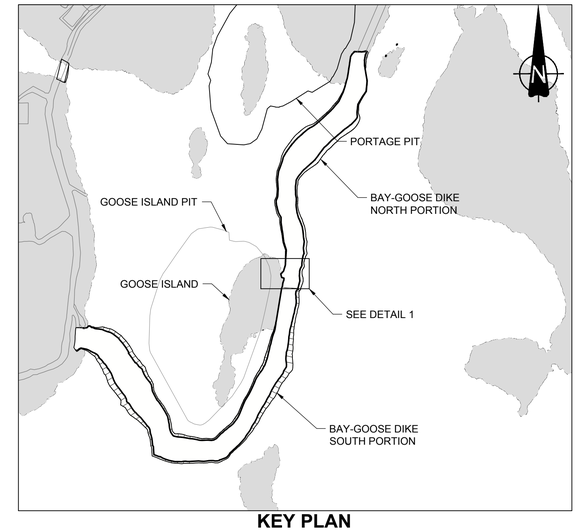
A-A' SB TO CSB KEY-IN PROFILE

SCALE: A



B-B' SB TO CSB KEY-IN SECTION

SCALE: A



KEY PLAN

SCALE: B

LEGEND

- INFERRED BEDROCK
- CORE BACKFILL
- ROCKFILL
- COARSE FILTER
- CEMENT-SOIL-BENTONITE (CSB) CUTOFF WALL (2009)
- SOIL-BENTONITE (SB) CUTOFF WALL
- MINOR BATHYMETRY CONTOUR
- MAJOR BATHYMETRY CONTOUR
- SHORELINE
- ROCKFILL PLATFORM CREST
- GROUT CURTAIN
- INFERRED BEDROCK (DRILLING/JET GROUTING)

NOTES

1) ALL DIMENSIONS ARE IN METRES UNLESS OTHERWISE NOTED.
2) ALL ELEVATIONS ARE IN METRES ABOVE SEA LEVEL (MASL), UNLESS OTHERWISE NOTED.
3) GRID REFERENCE: NAD 83, UTM ZONE 14.
4) LAKEBED SURFACE BASED ON BATHYMETRIC SURVEY BY GOLDER ASSOCIATES LTD. 2008. DEPTH TO BEDROCK BENEATH CUTOFF WALL BASED ON INFORMATION OBTAINED DURING CONSTRUCTION.
5) CUTOFF WALL FOUNDED ON BEDROCK SURFACE APPROVED BY ENGINEER. ALL ICE RICH MATERIAL (SOIL AND ROCK) WAS EXCAVATED BETWEEN STA. 30+830 TO 30+880.
6) SAFETY BERMS IN PLAN NOT SHOWN FOR CLARITY.
7) BEDROCK AND LAKEBED SURFACES ARE SHOWN AS SMOOTH LINES FOR ILLUSTRATIVE PURPOSES.
8) MATERIAL PLACEMENT ANGLES FOR THE CORE BACKFILL, COARSE FILTER AND ROCKFILL ARE APPROXIMATE.
9) 2009 CSB CUTOFF WALL WAS WIDENED TO ALLOW CONNECTION WITH 2010 SB CUTOFF WALL. CEMENT CONTENT WAS REDUCED TO 2-3% WITHIN THE CSB TO ALLOW MATERIALS TO BE EXCAVATED IN 2010.
10) GROUTING PLATFORM AND THERMAL CAP NOT SHOWN IN SECTION OR PROFILE FOR CLARITY.

REFERENCE

1) PORTAGE PIT DESIGN BY AEM, MARCH, 2009.
2) GOOSE ISLAND PIT DESIGN BY AEM, MAY, 2010.
3) ROAD AND MINE FACILITIES PROVIDED BY AEM, JANUARY, 2009.

0 2 4 6 8 10 — SCALE: A
0 100 200 300 400 500 — SCALE: B

PROJECT

AEM

AGNICO-EAGLE MINES LIMITED
MEADOWBANK GOLD PROJECT
NUNAVUT

TITLE

BAY-GOOSE DIKE SOUTH PORTION 2009 TO 2010 TIE-IN PLAN AND SECTION

Golder Associates

PROJECT No.		09-1428-5007
DESIGN	KD	02MAY10
CADD	NS	10MAY10
CHECK	FE	31MAY10
REVIEW	MRJ	31MAY10

FILE No. 4300_1_20
SCALE AS SHOWN REV. 1

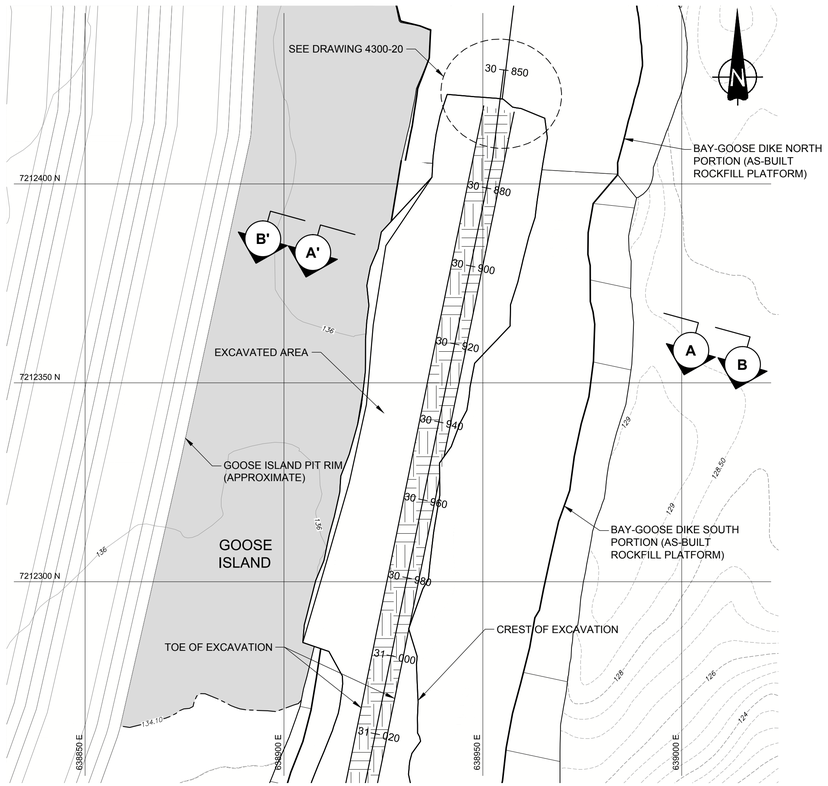
4300-20

STAMP

REV	DATE	DES	REVISION DESCRIPTION	CADD	CHK	RVW
1	15DEC12	FE	AS-BUILT	EA	GRB	FE
C	06JUL10	KD	ISSUED FOR CONSTRUCTION	JK	FE	MRJ
B	18JUN10	KD	ISSUED FOR CLIENT REVIEW	JK	FE	MRJ
A	31MAY10	KD	ISSUED FOR CLIENT REVIEW	NS	FE	MRJ

DRAWING NO. | REFERENCES

REVISION DATE: 12/5/2012 4:33:53 PM By: TYKLASSEN CADD FILE: N:\bur-graphics\Projects\2009\1428\09-1428-5007\Drafting\4000\meadowbank - bay-goose (south) dike as-built\4300_1_20.dwg



1 ISLAND EXCAVATION PLAN

SCALE: B

LEGEND

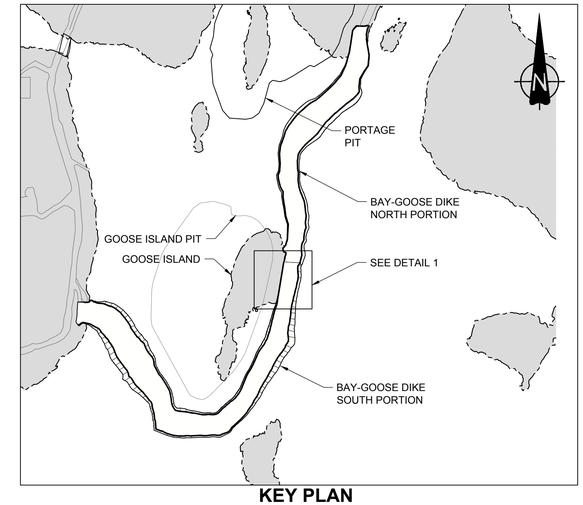
- INFERRED BEDROCK
- CORE BACKFILL
- NPAG ROCKFILL SURFACING AND THERMAL CAP
- ROCKFILL
- COARSE FILTER
- FINE ROCKFILL
- CUTOFF WALL (SOIL BENTONITE)
- GROUT CURTAIN
- MINOR BATHYMETRY CONTOUR
- MAJOR BATHYMETRY CONTOUR
- MINOR TOPOGRAPHIC CONTOUR
- MAJOR TOPOGRAPHIC CONTOUR
- SHORELINE
- ROCKFILL PLATFORM CREST

NOTES

1) ALL DIMENSIONS ARE IN METRES UNLESS OTHERWISE NOTED.
2) ALL ELEVATIONS ARE IN METRES ABOVE SEA LEVEL (MASL), UNLESS OTHERWISE NOTED.
3) GRID REFERENCE: NAD 83, UTM ZONE 14.
4) LAKEBED SURFACE BASED ON BATHYMETRIC SURVEY BY GOLDER ASSOCIATES LTD. 2008. DEPTH TO BEDROCK BENEATH CUTOFF WALL BASED ON INFORMATION OBTAINED DURING CONSTRUCTION.
5) ROCKFILL SURFACING AND THERMAL CAP TO BE PLACED BY AEM. PLACEMENT IN PROGRESS AS OF APRIL 2013.
6) CUTOFF WALL FOUNDED ON BEDROCK SURFACE APPROVED BY ENGINEER. ALL ICE RICH MATERIAL WAS EXCAVATED UNDER CUTOFF WALL FOOTPRINT BETWEEN STA. 30+860 TO 31+020.

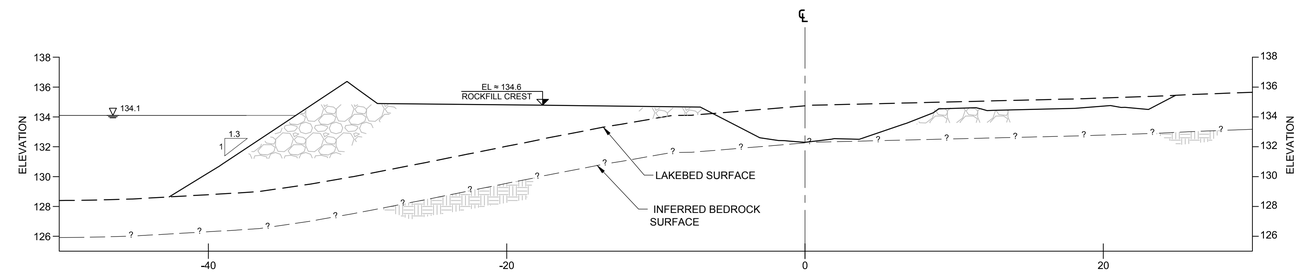
REFERENCE

1) PORTAGE PIT DESIGN BY AEM, MARCH, 2009.
2) GOOSE ISLAND PIT DESIGN BY AEM, MAY, 2010.
3) ROAD AND MINE FACILITIES PROVIDED BY AEM, JANUARY, 2009.



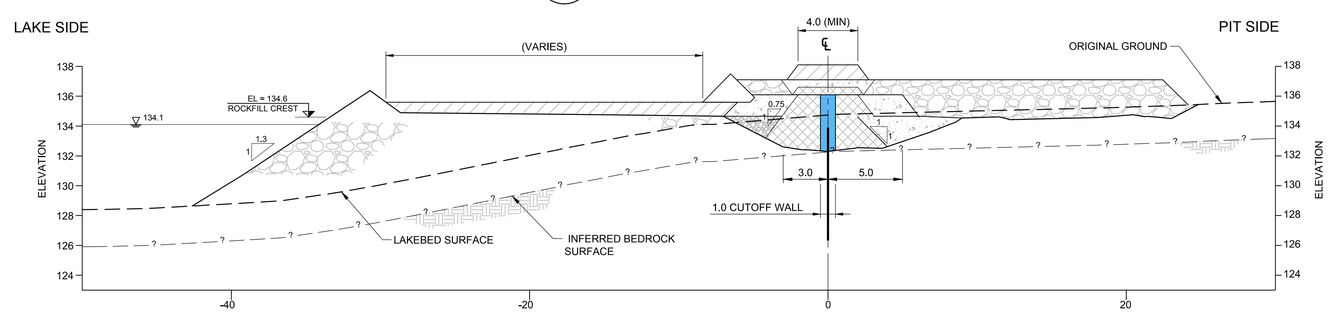
KEY PLAN

SCALE: C



A-A' TYPICAL ISLAND ABUTMENT SECTION - EXCAVATION

SCALE: A



B-B' TYPICAL ISLAND ABUTMENT SECTION - MATERIAL PLACEMENT

SCALE: A

0 2 4 6 8 10 SCALE: A
0 7.5 15 22.5 30 37.5 SCALE: B
0 100 200 300 400 500 SCALE: C

PROJECT

AEM

AGNICO-EAGLE MINES LIMITED
MEADOWBANK GOLD PROJECT
NUNAVUT

TITLE

BAY-GOOSE DIKE SOUTH PORTION GOOSE ISLAND ABUTMENT PLAN AND SECTION

Golder Associates

PROJECT No.		09-1428-5007
DESIGN	KD	02MAY10
CADD	NS	10MAY10
CHECK	FE	31MAY10
REVIEW	MRJ	31MAY10

FILE No. 4300_1_21
SCALE AS SHOWN REV. 1

4300-21

STAMP

REV	DATE	DES	REVISION DESCRIPTION	CADD	CHK	RVW
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B	18JUN10	KD	ISSUED FOR CLIENT REVIEW	JK	FE	MRJ
A	31MAY10	KD	ISSUED FOR CLIENT REVIEW	NS	FE	MRJ

DRAWING NO. | REFERENCES

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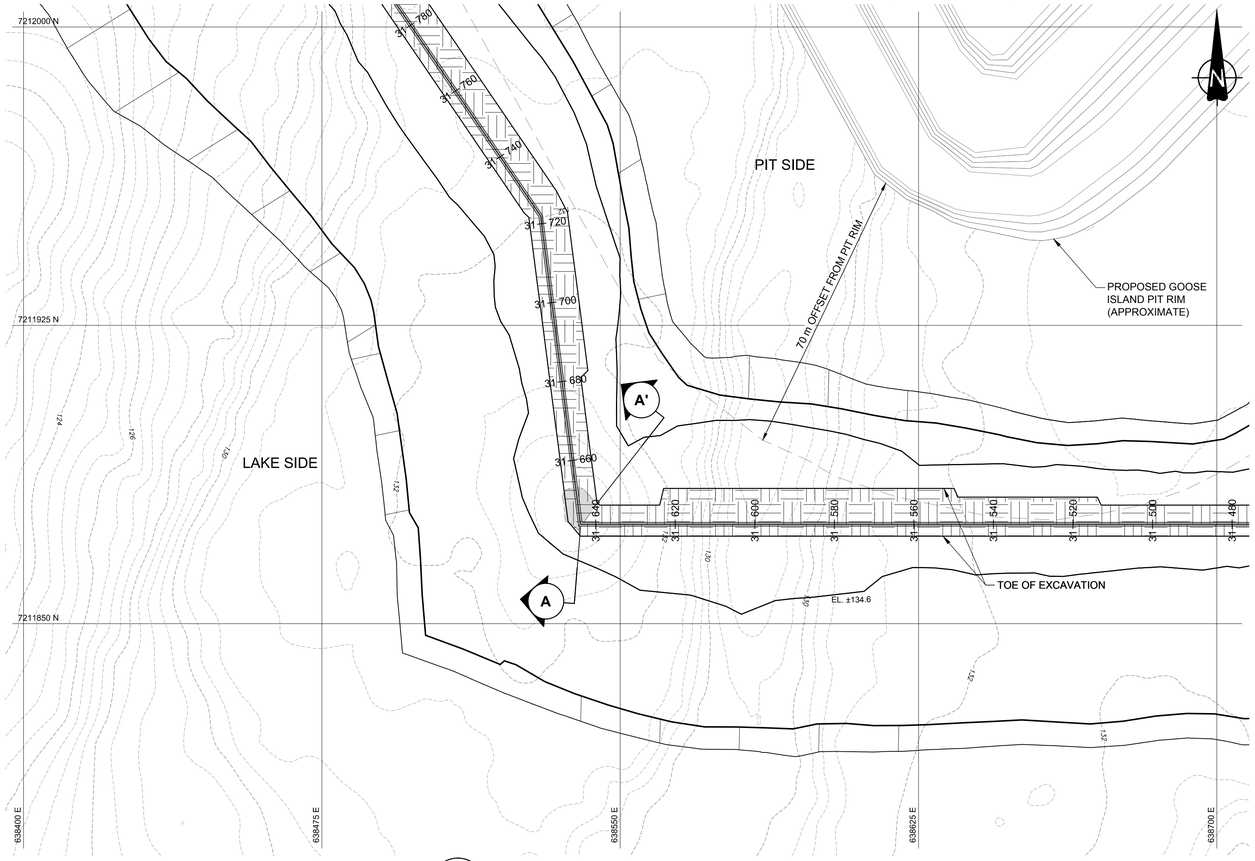
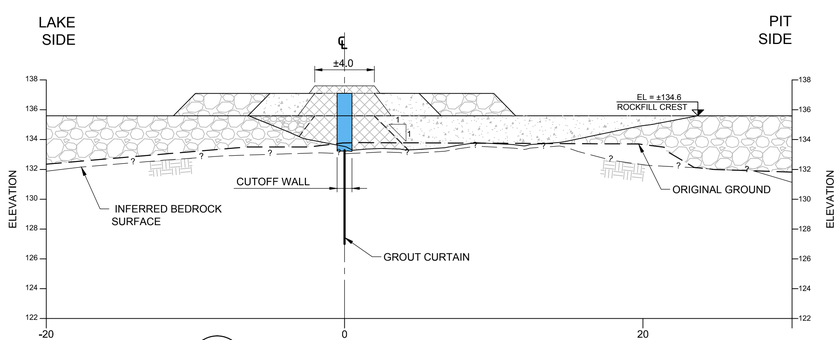


1 OUTCROP KEY-IN PLAN

SCALE: B



A-A' OUTCROP KEY-IN SECTION

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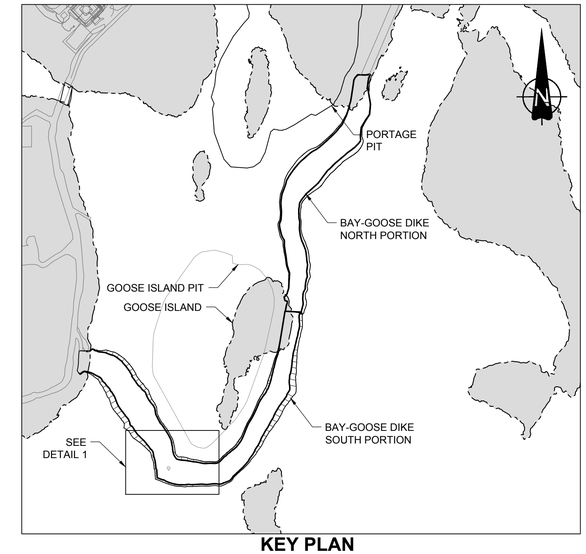

KEY PLAN

SCALE: C

LEGEND

- INFERRED BEDROCK
- CORE BACKFILL
- ROCKFILL
- FINE ROCKFILL
- COARSE FILTER
- ROCKFILL PLATFORM CREST
- MINOR BATHYMETRY CONTOUR
- MAJOR BATHYMETRY CONTOUR
- 70m OFFSET FROM PIT RIM
- SHORELINE
- CUTOFF WALL (SOIL BENTONITE)

NOTES

1) ALL DIMENSIONS ARE IN METRES UNLESS OTHERWISE NOTED.
2) ALL ELEVATIONS ARE IN METRES ABOVE SEA LEVEL (MASL), UNLESS OTHERWISE NOTED.
3) GRID REFERENCE: NAD 83, UTM ZONE 14.
4) LAKEBED SURFACE BASED ON BATHYMETRIC SURVEY BY GOLDER ASSOCIATES LTD. 2008. DEPTH TO BEDROCK BENEATH CUTOFF WALL CENTRELINE BASED ON INFORMATION OBTAINED DURING CONSTRUCTION.
5) ROCKFILL SURFACING AND THERMAL CAP TO BE PLACED BY AEM. PLACEMENT IN PROGRESS AS OF APRIL 2013.
6) SAFETY BERMS NOT SHOWN FOR CLARITY.
7) GROUTING PLATFORM NOT SHOWN IN SECTION.

REFERENCE

1) PORTAGE PIT DESIGN BY AEM, MARCH, 2009.
2) GOOSE ISLAND PIT DESIGN BY AEM, MAY, 2010.

0 2 4 6 8 10 SCALE: A
0 7.5 15 22.5 30 37.5 SCALE: B
0 100 200 300 400 500 SCALE: C

PROJECT

AEM

AGNICO-EAGLE MINES LIMITED
MEADOWBANK GOLD PROJECT
NUNAVUT

TITLE

BAY-GOOSE DIKE SOUTH PORTION OUTCROP KEY-IN PLAN AND SECTION

Golder Associates

PROJECT No.		09-1428-5007
DESIGN	KD	02MAY10
CADD	NS	10MAY10
CHECK	FE	31MAY10
REVIEW	MRJ	31MAY10

FILE No. 4300_1_22
SCALE AS SHOWN REV. 1

4300-22

STAMP

REV	DATE	DES	REVISION DESCRIPTION	CADD	CHK	RVW
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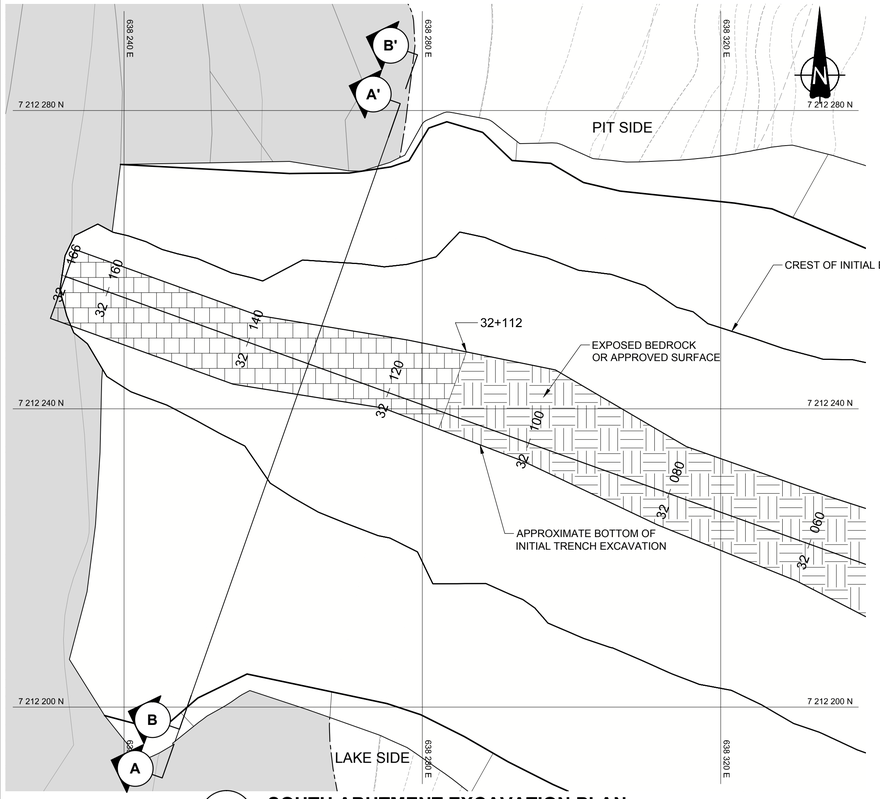
0	06JUL10	KD	ISSUED FOR CONSTRUCTION	JK	FE	MRJ
B	18JUN10	KD	ISSUED FOR CLIENT REVIEW	JK	FE	MRJ
A	31MAY10	KD	ISSUED FOR CLIENT REVIEW	NS	FE	MRJ

DRAWING NO. | REFERENCES

REVISION DATE:12/5/2012 4:53:37 PM By: TYKLASSEN CADD FILE: N:\bur-graphics\Projects\2009\1428\09-1428-5007\Drafting\4000\meadowbank - bay-goose (south) dike as-built\4300_1_22.dwg



1 SOUTH ABUTMENT EXCAVATION PLAN

SCALE: B

LEGEND

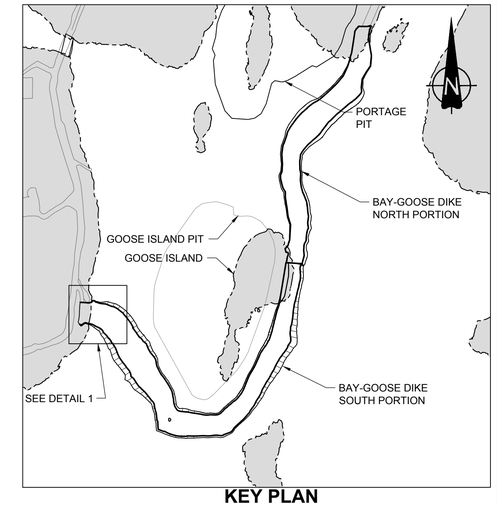
- CORE BACKFILL
- NPAG ROCKFILL SURFACING AND THERMAL CAP
- ROCKFILL
- FINE ROCKFILL
- COARSE FILTER
- EXPOSED BEDROCK OR APPROVED SURFACE
- ICE RICH MATERIAL LEFT IN PLACE
- MINOR BATHYMETRY CONTOUR
- 130 MAJOR BATHYMETRY CONTOUR
- MINOR TOPOGRAPHIC CONTOUR
- 140 MAJOR TOPOGRAPHIC CONTOUR
- SHORELINE
- ROCKFILL PLATFORM CREST
- CUTOFF WALL (SOIL BENTONITE)

NOTES

1) ALL DIMENSIONS ARE IN METRES UNLESS OTHERWISE NOTED.
2) ALL ELEVATIONS ARE IN METRES ABOVE SEA LEVEL (MASL), UNLESS OTHERWISE NOTED.
3) GRID REFERENCE: NAD 83, UTM ZONE 14.
4) LAKEBED SURFACE BASED ON BATHYMETRIC SURVEY BY GOLDER ASSOCIATES LTD. 2008. DEPTH TO BEDROCK BENEATH CUTOFF WALL CENTRELINE BASED ON INFORMATION OBTAINED DURING CONSTRUCTION.
5) ROCKFILL SURFACING AND THERMAL CAP TO BE PLACED BY AEM. PLACEMENT IN PROGRESS AS OF APRIL 2013.
6) CUTOFF WALL FOUNDED ON BEDROCK OR SURFACE APPROVED BY ENGINEER. ALL ICE RICH MATERIAL WAS EXCAVATED, EXCEPT BETWEEN STA. 32+112 AND 32+166.

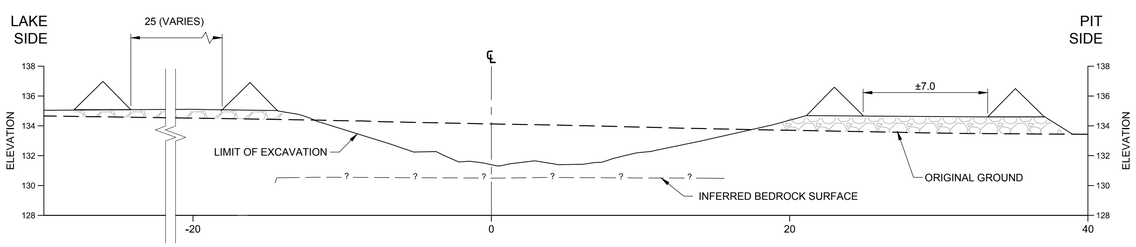
REFERENCE

1) PORTAGE PIT DESIGN BY AEM, MARCH, 2009.
2) GOOSE ISLAND PIT DESIGN BY AEM, MAY, 2010.



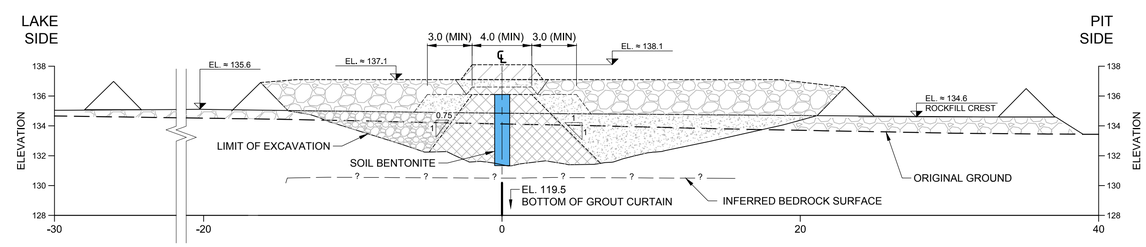
KEY PLAN

SCALE: C



A-A' TYPICAL SOUTH ABUTMENT EXCAVATION SECTION

SCALE: A



B-B' TYPICAL SOUTH ABUTMENT MATERIAL PLACEMENT SECTION

SCALE: A

0 2 4 6 8 10 SCALE: A
0 4 8 12 16 20 SCALE: B
0 100 200 300 400 500 SCALE: C

DRAWING NO.	REFERENCES	REV	DATE	DES	REVISION DESCRIPTION	CADD	CHK	RVW
		1	15DEC12	FE	AS-BUILT	EA	GRB	FE
		0	06JUL10	KD	ISSUED FOR CONSTRUCTION	JK	FE	MRJ
		B	18JUN10	KD	ISSUED FOR CLIENT REVIEW	JK	FE	MRJ
		A	31MAY10	KD	ISSUED FOR CLIENT REVIEW	NS	FE	MRJ

STAMP

PROJECT

AEM

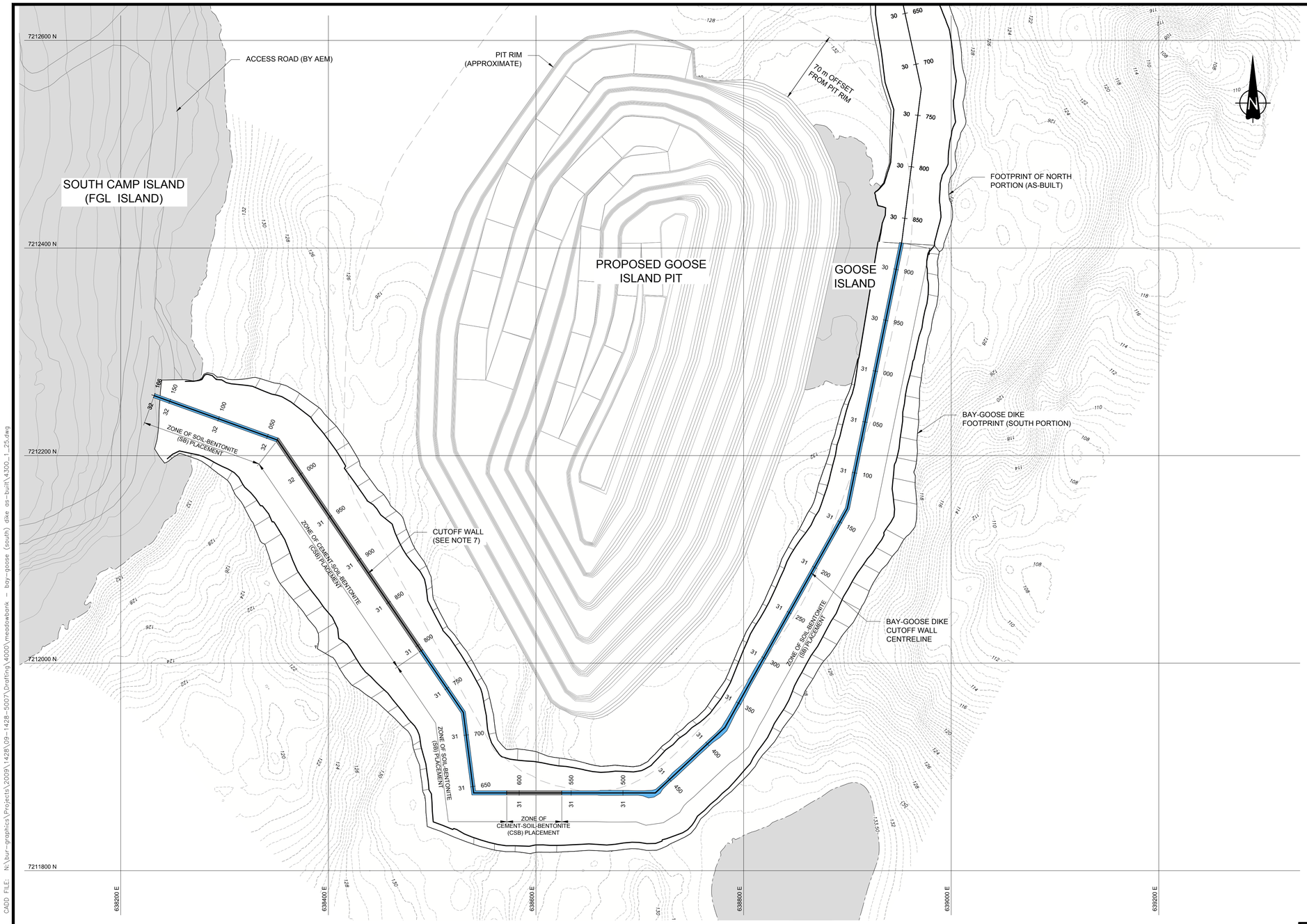
AGNICO-EAGLE MINES LIMITED
MEADOWBANK GOLD PROJECT
NUNAVUT

TITLE

BAY-GOOSE DIKE SOUTH PORTION SOUTH ABUTMENT PLAN AND DETAILS

Golder Associates

PROJECT No.		09-1428-5007	FILE No.	4300_1_23	
DESIGN	KD	02MAY10	SCALE	AS SHOWN	REV. 1
CADD	NS	21MAY10	4300-23		
CHECK	FE	31MAY10			
REVIEW	MRJ	31MAY10			



LEGEND

- ROCKFILL PLATFORM CREST
- MINOR BATHYMETRY CONTOUR
- 130 MAJOR BATHYMETRY CONTOUR
- MINOR TOPOGRAPHIC CONTOUR
- 140 MAJOR TOPOGRAPHIC CONTOUR
- 70m OFFSET FROM PIT RIM
- SHORELINE
- CUTOFF WALL
- SOIL-BENTONITE (SB)
- CEMENT SOIL-BENTONITE (CSB)

NOTES

1. ALL DIMENSIONS ARE IN METRES UNLESS OTHERWISE NOTED.
2. ALL ELEVATIONS ARE IN METRES ABOVE SEA LEVEL (MASL), UNLESS OTHERWISE NOTED.
3. GRID REFERENCE: NAD 83, UTM ZONE 14.
4. TOPOGRAPHY CONTOUR INFORMATION ON LAND SUPPLIED BY AEM.
5. LAKEBED SURFACE BASED ON BATHYMETRIC SURVEY BY GOLDER ASSOCIATES LTD., 2006 AND DETAILED (0.5m CONTOUR INTERVAL) 2008.
6. SHADING OF CUTOFF WALL IS SCHEMATIC, NOT TO SCALE. SHADING IS BASED ON MATERIAL TYPE AT BASE OF THE CUTOFF TRENCH.
7. CUTOFF WALL 1m WIDE, NOT SHOWN TO SCALE IN PLAN FOR ILLUSTRATIVE PURPOSES.

REFERENCES

1) GOOSE ISLAND PIT DESIGN BY AEM, MAY, 2010.
2) ROAD AND MINE FACILITIES PROVIDED BY AEM, JANUARY, 2009.

0 20 40 60 80 100
SCALE: A

PROJECT

AEM

AGNICO-EAGLE MINES LIMITED
MEADOWBANK GOLD PROJECT
NUNAVUT

TITLE

BAY-GOOSE DIKE SOUTH PORTION PLAN VIEW OF SB AND CSB PLACEMENT ZONES

STAMP

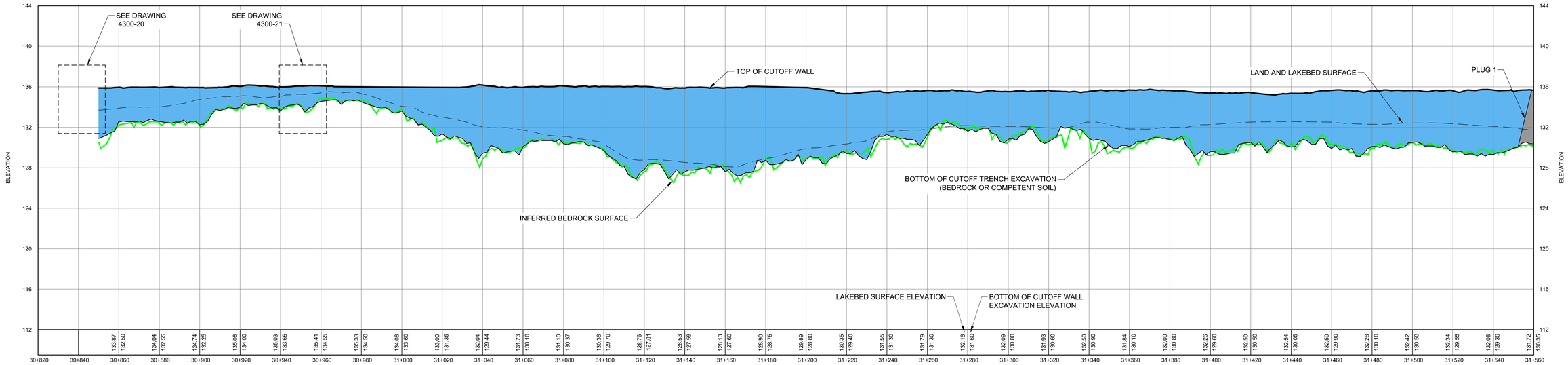
DRAWING NO.	REFERENCES

REV	DATE	DES	REVISION DESCRIPTION	CADD	CHK	RVW
1	15DEC12	FE	AS-BUILT	EA	GRB	FE
0	06JUL10	KD	ISSUED FOR CONSTRUCTION	JK	FE	MRJ
B	18JUN10	KD	ISSUED FOR CLIENT REVIEW	JK	FE	MRJ
A	31MAY10	KD	ISSUED FOR CLIENT REVIEW	NS	FE	MRJ

Golder Associates

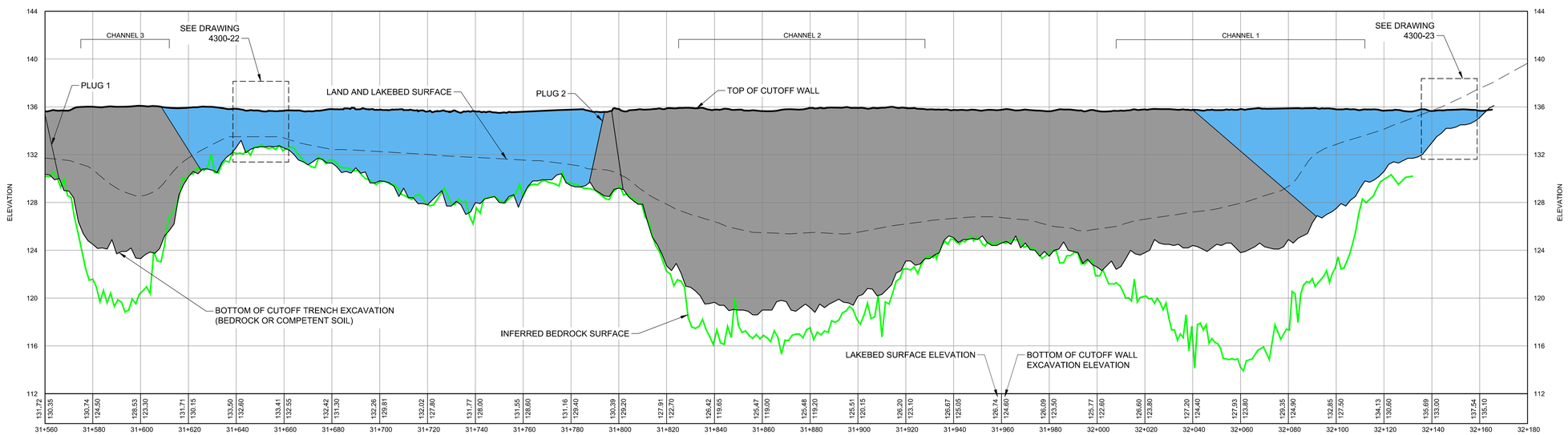
PROJECT No.		09-1428-5007	FILE No.	4300_1_25
DESIGN	KD	02MAY10	SCALE AS SHOWN	REV. 1
CADD	NS	10MAY10	4300-25	
CHECK	FE	31MAY10		
REVIEW	MRJ	31MAY10		

REVISION DATE:12/6/2012 9:03:34 AM By: TYKLASSEN CADD FILE: N:\bur-graphics\Projects\2009\1428\09-1428-5007\Drafting\4000\meadowbank - bay-goose (south) dike as-built\4300_1_25.dwg



PROFILE OF CUTOFF WALL MATERIAL ZONES

VERTICAL EXAGGERATION 5X



PROFILE OF CUTOFF WALL MATERIAL ZONES

VERTICAL EXAGGERATION 5X

LEGEND

- ZONE OF CEMENT-SOIL-BENTONITE (CSB) PLACEMENT
- ZONE OF SOIL-BENTONITE (SB) PLACEMENT
- BOTTOM OF CUTOFF TRENCH EXCAVATION (BEDROCK OR COMPETENT SOIL)
- INFERRED BEDROCK (DRILLING/JET GROUTING)
- LAND AND LAKEBED SURFACE

NOTES

1) ALL ELEVATIONS ARE IN METRES ABOVE SEA LEVEL (MASL), UNLESS OTHERWISE NOTED.
2) ALL DIMENSIONS ARE IN METRES UNLESS OTHERWISE NOTED.
3) CONTOUR INFORMATION ON LAND SUPPLIED BY AEM.
4) LAKEBED SURFACE BASED ON BATHYMETRIC SURVEY BY GOLDER ASSOCIATES LTD., 2006 AND DETAILED (0.5m CONTOUR INTERVAL) 2008.
5) BEDROCK SURFACE INFERRED BASED ON DATA OBTAINED DURING JET GROUTING AND CASING INSTALLATION FOR GROUTING.
6) CUTOFF TRENCH EXCAVATED TO BEDROCK, EXCEPT IN CHANNEL 1, 2, AND 3 WHERE EXCAVATION STOPPED IN COMPETENT SOIL.

0 10 20 30 40 50
HORIZONTAL SCALE

0 2 4 6 8 10
VERTICAL SCALE

PROJECT

AEM

AGNICO-EAGLE MINES LIMITED
MEADOWBANK GOLD PROJECT
NUNAVUT

TITLE

BAY-GOOSE DIKE SOUTH PORTION PROFILE VIEW OF SB AND CSB PLACEMENT ZONES

Golder Associates

PROJECT No.		09-1428-5007
DESIGN	KD	02MAY10
CADD	NS	10MAY10
CHECK	FE	31MAY10
REVIEW	MRJ	31MAY10

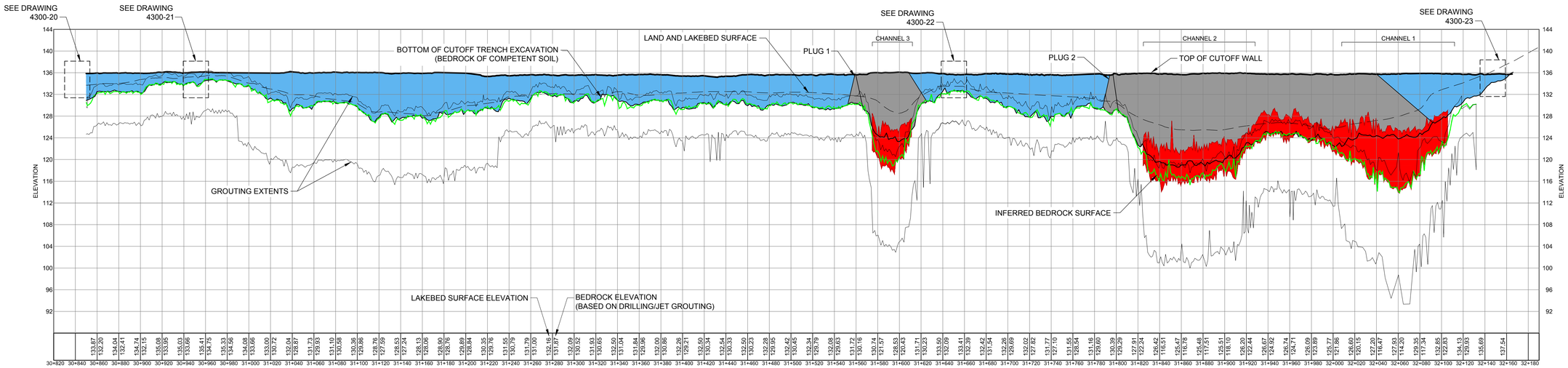
FILE No. 4300_1_26
SCALE AS SHOWN REV. 1

4300-26

STAMP

REV	DATE	DES	REVISION DESCRIPTION	CADD	CHK	RVW
1	15DEC12	FE	AS-BUILT	EA	GRB	FE
0	06JUL10	KD	ISSUED FOR CONSTRUCTION	JK	FE	MRJ
B	18JUN10	KD	ISSUED FOR CLIENT REVIEW	JK	FE	MRJ
A	31MAY10	KD	ISSUED FOR CLIENT REVIEW	NS	FE	MRJ

DRAWING NO. REFERENCES



PROFILE OF CUTOFF WALL MATERIAL ZONES

VERTICAL EXAGGERATION 5X

LEGEND

- ZONE OF CEMENT-SOIL-BENTONITE (CSB) PLACEMENT
- ZONE OF SOIL-BENTONITE (SB) PLACEMENT
- JET GROUTING
- BOTTOM OF CUTOFF TRENCH EXCAVATION (BEDROCK OR COMPETENT SOIL)
- INFERRED BEDROCK (DRILLING/JET GROUTING)
- GROUTING EXTENTS
- LAND AND LAKEBED SURFACE

NOTES

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2) ALL DIMENSIONS ARE IN METRES UNLESS OTHERWISE NOTED.
3) CONTOUR INFORMATION ON LAND SUPPLIED BY AEM.
4) LAKEBED SURFACE BASED ON BATHYMETRIC SURVEY BY GOLDER ASSOCIATES LTD., 2006 AND DETAILED (0.5m CONTOUR INTERVAL) 2008.
5) BEDROCK SURFACE INFERRED BASED ON DATA OBTAINED DURING JET GROUTING AND CASING INSTALLATION FOR GROUTING.
6) CUTOFF TRENCH EXCAVATED TO BEDROCK, EXCEPT IN CHANNEL 1, 2, AND 3 WHERE EXCAVATION STOPPED IN COMPETENT SOIL.

0 20 40 60 80 100 HORIZONTAL SCALE

0 4 8 12 16 20 VERTICAL SCALE

PROJECT

AEM

AGNICO-EAGLE MINES LIMITED
MEADOWBANK GOLD PROJECT
NUNAVUT

TITLE

BAY-GOOSE DIKE SOUTH PORTION LOW PERMEABILITY SYSTEM

Golder Associates

PROJECT No.		09-1428-5007	FILE No. 4300_0_27
DESIGN	KD	02MAY10	SCALE AS SHOWN REV. 0
CADD	NS	10MAY10	4300-27
CHECK	FE	31MAY10	
REVIEW	MRJ	31MAY10	

STAMP

REV	DATE	DES	REVISION DESCRIPTION	CADD	CHK	RVW
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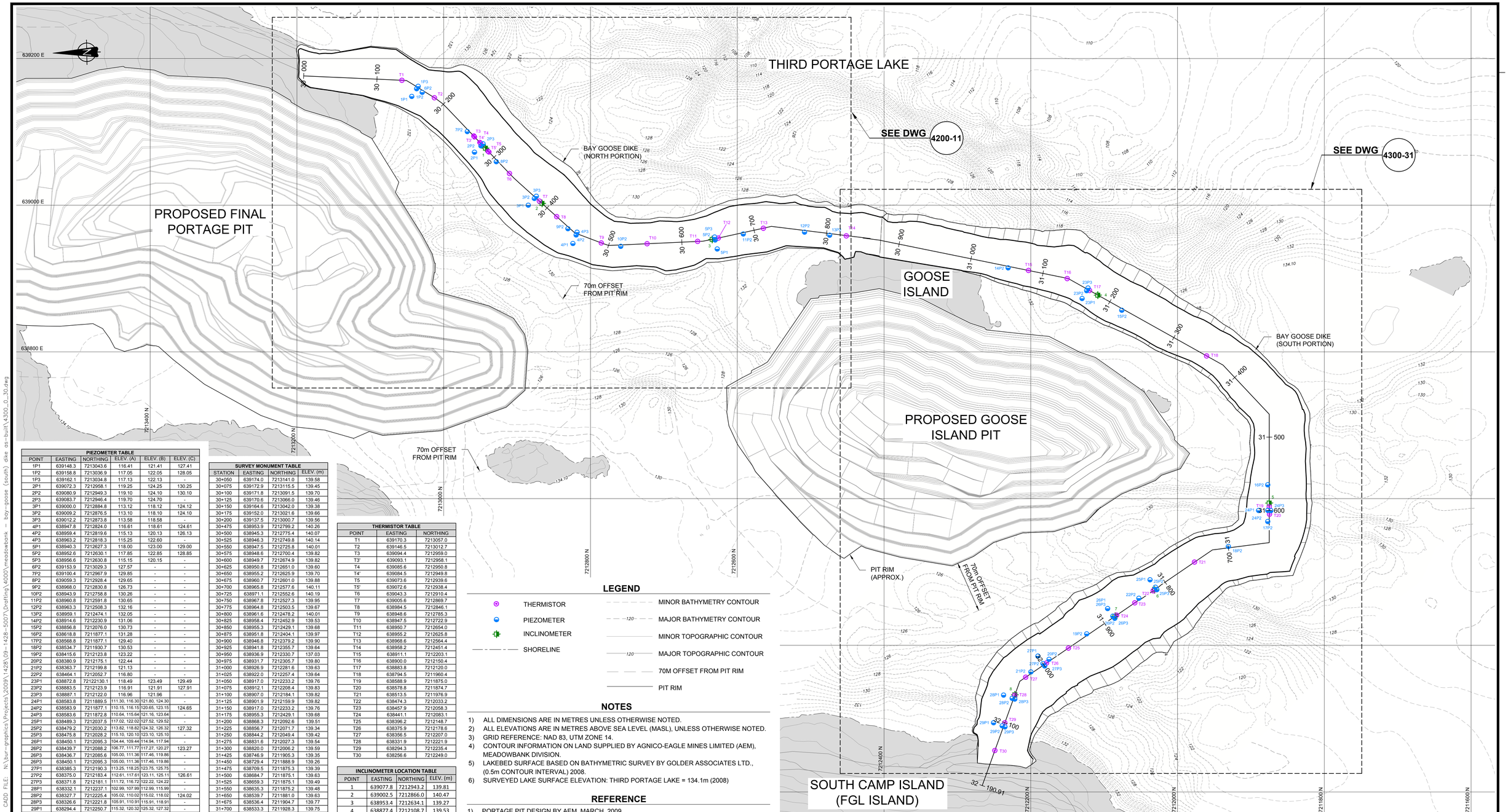
DRAWING NO.	REFERENCES

REVISION DATE:12/6/2012 9:17:40 AM By: TYKLASSEN CADD FILE: N:\bur-graphics\Projects\2009\1428\09-1428-5007\Drafting\4000\meadowbank - bay-goose (south) dike as-built\4300_0_27.dwg



PIEZOMETER TABLE					
POINT	EASTING	NORTHING	ELEV. (A)	ELEV. (B)	ELEV. (C)
1P1	639148.3	7213043.6	116.41	121.41	127.41
1P2	639158.8	7213036.9	117.05	122.05	128.05
1P3	639162.1	7213034.8	117.13	122.13	-
2P1	639072.3	7212958.1	119.25	124.25	130.25
2P2	639089.9	7212949.3	119.10	124.10	130.10
2P3	639083.7	7212946.4	119.70	124.70	-
3P1	639000.0	7212884.8	113.12	118.12	124.12
3P2	639009.2	7212876.5	113.10	118.10	124.10
3P3	639012.2	7212873.8	113.58	118.58	-
4P1	638947.8	7212824.0	116.61	118.61	124.61
4P2	638959.4	7212819.6	115.13	120.13	126.13
4P3	638963.2	7212818.3	115.25	122.60	-
5P1	638940.3	7212627.3	118.00	123.00	129.00
5P2	638952.6	7212630.1	117.85	122.85	128.85
5P3	638956.6	7212630.8	115.15	120.15	-
6P2	639153.9	7213029.3	127.57	-	-
7P2	639100.4	7212967.9	129.85	-	-
8P2	639059.3	7212928.4	129.65	-	-
9P2	638968.0	7212830.8	126.73	-	-
10P2	638943.9	7212758.8	130.26	-	-
11P2	638960.8	7212591.8	130.65	-	-
12P2	639363.3	7212508.3	132.16	-	-
13P2	638959.1	7212474.1	132.05	-	-
14P2	638914.6	7212230.9	131.06	-	-
15P2	638856.8	7212076.0	130.73	-	-
16P2	638618.8	7211877.1	131.28	-	-
17P2	638568.8	7211877.1	129.40	-	-
18P2	638534.7	7211930.7	130.53	-	-
19P2	638415.6	7212123.8	123.22	-	-
20P2	638380.9	7212175.1	122.44	-	-
21P2	638363.7	7212199.8	121.13	-	-
22P2	638464.1	7212052.7	116.80	-	-
23P1	638872.8	72122130.1	118.49	123.49	129.49
23P2	638883.5	7212123.9	116.91	121.91	127.91
23P3	638887.1	7212122.0	116.96	121.96	-
24P1	638583.8	7211889.5	111.30, 116.30	121.80, 124.30	-
24P2	638583.9	7211877.1	110.15, 116.15	120.65, 123.15	124.65
24P3	638583.6	7211872.8	110.64, 115.64	121.16, 123.64	-
25P1	638489.3	7212037.5	117.02, 122.02	127.52, 129.52	-
25P2	638479.2	7212030.2	113.82, 118.82	124.32, 126.32	127.32
25P3	638475.8	7212028.2	115.10, 120.10	123.10, 125.10	-
26P1	638450.1	7212095.3	104.44, 109.44	114.94, 117.94	-
26P2	638439.7	7212088.2	106.77, 111.77	117.27, 120.27	123.27
26P3	638436.7	7212085.6	105.00, 111.36	117.46, 119.86	-
26P3	638450.1	7212095.3	105.00, 111.36	117.46, 119.86	-
27P1	638385.3	7212190.3	113.25, 118.25	123.75, 125.75	-
27P2	638375.0	7212183.4	112.61, 117.61	123.11, 125.11	126.61
27P3	638371.8	7212181.1	111.72, 116.72	122.22, 124.22	-
28P1	638332.1	7212237.1	102.99, 107.99	112.99, 115.99	-
28P2	638327.7	7212225.4	105.02, 110.02	115.02, 118.02	124.02
28P3	638326.6	7212221.8	105.91, 110.91	115.91, 118.91	-
29P1	638294.4	7212250.7	115.32, 120.32	125.32, 127.32	-
29P2	638290.2	7212239.0	114.99, 119.99	124.99, 126.99	129.99
29P3	638288.8	7212235.2	115.91, 120.91	125.91, 127.91	-

* WHERE MULTIPLE VALUES APPEAR THEY CORRESPOND WITH A1, A2, OR B1, B2 INSTRUMENT LOCATIONS.

SURVEY MONUMENT TABLE			
STATION	EASTING	NORTHING	ELEV. (m)
30+050	639174.0	7213141.0	139.58
30+075	639172.9	7213115.5	139.45
30+100	639171.8	7213091.5	139.70
30+125	639170.6	7213066.0	139.46
30+150	639164.6	7213042.0	139.38
30+175	639152.0	7213021.6	139.66
30+200	639137.5	7213000.7	139.56
30+475	638953.9	7212799.2	140.26
30+500	638945.3	7212775.4	140.07
30+525	638946.3	7212749.8	140.14
30+550	638947.5	7212725.8	140.01
30+575	638948.6	7212700.4	139.82
30+600	638949.7	7212674.9	139.82
30+625	638950.8	7212651.0	139.60
30+650	638955.2	7212625.9	139.70
30+675	638960.7	7212601.0	139.88
30+700	638965.8	7212577.6	140.11
30+725	638971.1	7212552.6	140.19
30+750	638967.8	7212527.3	139.95
30+775	638964.8	7212503.5	139.67
30+800	638961.6	7212478.2	140.01
30+825	638958.4	7212452.9	139.53
30+850	638955.3	7212429.1	139.68
30+875	638951.8	7212404.1	139.97
30+900	638946.8	7212379.2	139.90
30+925	638941.8	7212355.7	139.64
30+950	638936.9	7212330.7	137.03
30+975	638931.7	7212305.7	139.80
31+000	638926.9	7212281.6	139.63
31+025	638922.0	7212257.4	139.64
31+050	638917.0	7212233.2	139.76
31+075	638912.1	7212208.4	139.83
31+100	638907.0	7212184.1	139.82
31+125	638901.9	7212159.9	139.82
31+150	638917.0	7212233.2	139.76
31+175	638955.3	7212429.1	139.68
31+200	638868.3	7212092.6	139.51
31+225	638856.7	7212071.7	139.34
31+250	638844.2	7212049.4	139.42
31+275	638831.6	7212027.3	139.54
31+300	638820.0	7212006.2	139.59
31+425	638746.9	7211905.3	139.35
31+450	638729.4	7211888.9	139.26
31+475	638709.5	7211875.3	139.39
31+500	638684.7	7211875.1	139.63
31+525	638659.3	7211875.1	139.49
31+550	638635.3	7211875.2	139.48
31+650	638539.7	7211881.0	139.63
31+675	638536.4	7211904.7	139.77
31+700	638533.3	7211928.3	139.75
31+725	638528.9	7211954.8	139.55
31+750	638515.2	7211974.6	139.56
31+775	638500.5	7211996.3	139.61
32+100	638269.8	7212244.4	139.18
32+125	638293.8	7212235.7	139.90

THERMISTOR TABLE		
POINT	EASTING	NORTHING
T1	639170.3	7213057.0
T2	639146.5	7213012.7
T3	639094.4	7212958.1
T3'	639093.1	7212958.1
T4	639085.6	7212950.8
T4'	639084.5	7212949.8
T5	639073.6	7212939.6
T5'	639072.6	7212938.4
T6	639043.3	7212910.4
T7	639005.6	7212869.7
T8	638984.5	7212846.1
T9	638948.6	7212785.3
T10	638947.5	7212722.9
T11	638950.7	7212654.0
T12	638955.2	7212625.8
T13	638968.6	7212564.4
T14	638958.2	7212451.4
T15	638911.1	7212203.1
T16	638900.0	7212150.4
T17	638883.8	7212120.0
T18	638794.5	7211960.4
T19	638588.9	7211875.0
T20	638578.8	7211874.7
T21	638513.5	7211976.9
T22	638474.3	7212033.2
T23	638457.9	7212058.3
T24	638441.1	7212083.1
T25	638396.2	7212148.7
T26	638375.9	7212178.6
T27	638356.5	7212207.0
T28	638331.9	7212221.9
T29	638294.3	7212235.4
T30	638256.6	7212249.0

INCLINOMETER LOCATION TABLE			
POINT	EASTING	NORTHING	ELEV. (m)
1	639077.8	7212943.2	139.81
2	639002.5	7212866.0	140.47
3	638953.4	7212634.1	139.27
4	638877.4	7212108.7	139.53
5	638594.0	7211875.1	139.99
6	638475.7	7212031.1	139.73
7	638439.7	7212085.1	139.32
8	638332.5	7212221.6	139.60

LEGEND

- THERMISTOR
- PIEZOMETER
- INCLINOMETER
- SHORELINE
- MINOR BATHYMETRY CONTOUR
- 120 MAJOR BATHYMETRY CONTOUR
- MINOR TOPOGRAPHIC CONTOUR
- 120 MAJOR TOPOGRAPHIC CONTOUR
- 70M OFFSET FROM PIT RIM
- PIT RIM

NOTES

1) ALL DIMENSIONS ARE IN METRES UNLESS OTHERWISE NOTED.
2) ALL ELEVATIONS ARE IN METRES ABOVE SEA LEVEL (MASL), UNLESS OTHERWISE NOTED.
3) GRID REFERENCE: NAD 83, UTM ZONE 14.
4) CONTOUR INFORMATION ON LAND SUPPLIED BY AGNICO-EAGLE MINES LIMITED (AEM), MEADOWBANK DIVISION.
5) LAKEBED SURFACE BASED ON BATHYMETRIC SURVEY BY GOLDER ASSOCIATES LTD., (0.5m CONTOUR INTERVAL) 2008.
6) SURVEYED LAKE SURFACE ELEVATION: THIRD PORTAGE LAKE = 134.1m (2008)

REFERENCE

1) PORTAGE PIT DESIGN BY AEM, MARCH, 2009.
2) GOOSE ISLAND PIT DESIGN BY AEM, MARCH, 2009.
3) ROAD AND MINE FACILITIES PROVIDED BY AEM, JANUARY, 2009.

REV	DATE	DES	REVISION DESCRIPTION	CADD	CHK	RVW
1	15DEC12	FE	AS-BUILT	TK	GRB	FE
0	25AUG10	FE	ISSUED FOR CONSTRUCTION	JK	FE	MRJ
A	24AUG10	FE	ISSUED FOR REVIEW	JK	FE	MRJ

DRAWING NO. | REFERENCES

STAMP

PROJECT

AEM

AGNICO-EAGLE MINES LIMITED
MEADOWBANK GOLD PROJECT
NUNAVUT

TITLE

BAY-GOOSE DIKE SOUTH PORTION INSTRUMENTATION PLAN

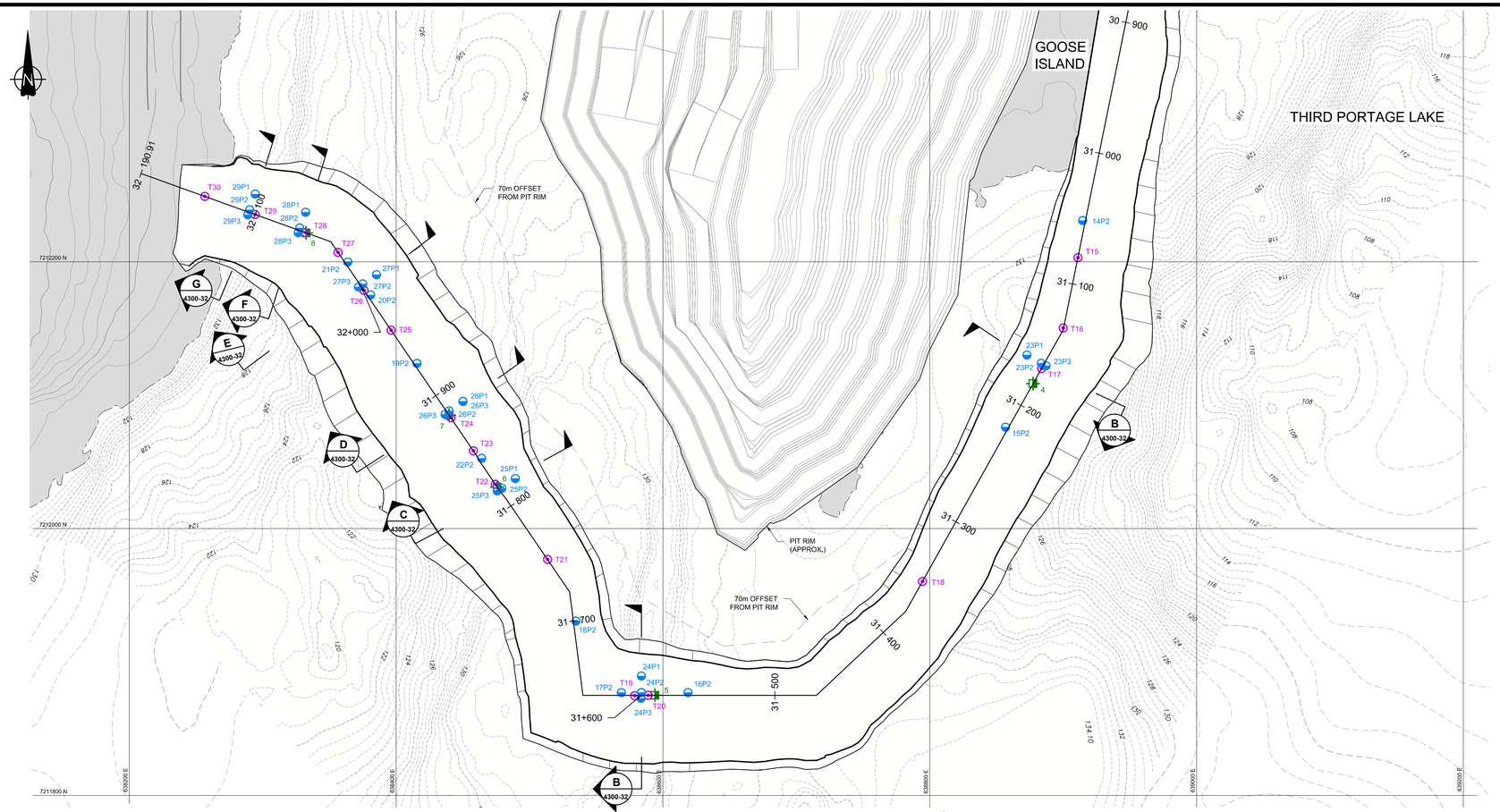
Golder Associates

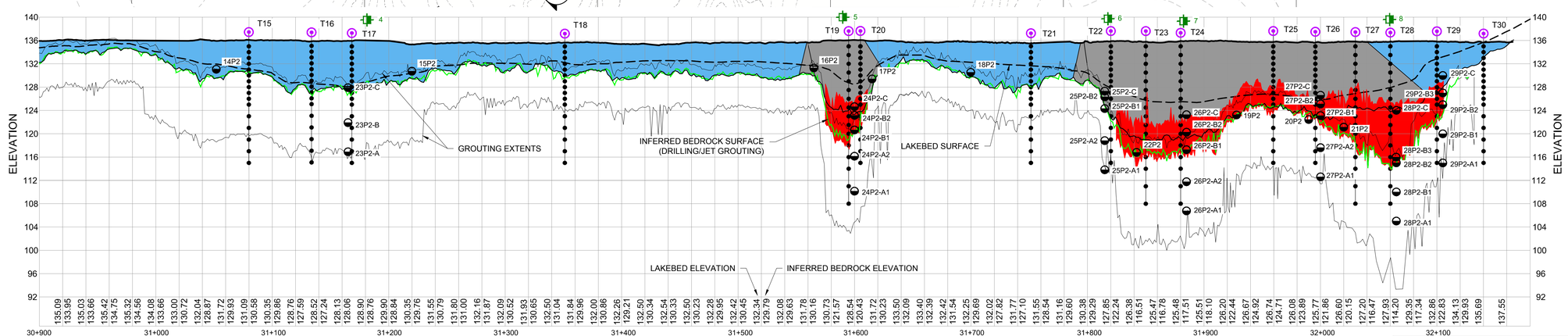
PROJECT No.		09-1428-5007
DESIGN	FE	23AUG10
CADD	JK	24AUG10
CHECK	FE	24AUG10
REVIEW	MRJ	24AUG10

FILE No. 4300_0_30
SCALE AS SHOWN REV. 1

4300-30

REVISION DATE:12/6/2012 9:21:05 AM By: TYKLASSEN CADD FILE: N:\bur-graphics\Projects\2009\1428\09-1428-5007\Drafting\4000\meadowbank - bay-goose (south) dike as-built\4300_0_30.dwg





NOTES

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6) SURVEYED LAKE SURFACE ELEVATION: THIRD PORTAGE LAKE = 134.1m (2008)
7) BEDROCK SURFACE INFERRED BASED ON DATA OBTAINED DURING JET GROUTING AND GROUTING.
8) CUTOFF TRENCH EXCAVATED TO BEDROCK EXCEPT IN CHANNEL 1, 2, AND 3 WHERE EXCAVATION STOPPED IN COMPETENT SOIL.

REFERENCE

1) PORTAGE PIT DESIGN BY AEM, MARCH, 2009.
2) GOOSE ISLAND PIT DESIGN BY AEM, MARCH, 2009.
3) ROAD AND MINE FACILITIES PROVIDED BY AEM, JANUARY, 2009.

LEGEND

- THERMISTOR
- PIEZOMETER
- INCLINOMETER
- BEADS
- SHORELINE
- TOP OF CUTOFF WALL
- LAKEBED
- INFERRED BEDROCK (DRILLING/ JET GROUTING)
- BOTTOM OF CUTOFF WALL (BEDROCK OF COMPETENT SOIL)
- GROUTING EXTENT
- MINOR BATHYMETRY CONTOUR
- MAJOR BATHYMETRY CONTOUR
- MINOR TOPOGRAPHIC CONTOUR
- MAJOR TOPOGRAPHIC CONTOUR
- 70M OFFSET FROM PIT RIM
- PIT RIM
- ZONE OF CEMENT SOIL-BENTONITE (CSB)
- ZONE OF SOIL-BENTONITE (SB)
- JET GROUTING

THERMISTOR TABLE

POINT	EASTING	NORTHING	ELEV. (m)
T15	638911.1	7212203.1	137.44
T16	638900.0	7212150.4	137.39
T17	638883.8	7212120.0	137.27
T18	638794.5	7211960.4	137.17
T19	638588.9	7211875.0	137.61
T20	638578.8	7211874.7	
T21	638513.5	7211976.9	137.24
T22	638474.3	7212033.2	137.62
T23	638457.9	7212058.3	137.61
T24	638441.1	7212083.1	137.31
T25	638396.2	7212148.7	137.62
T26	638375.9	7212178.6	137.49
T27	638356.5	7212207.0	137.44
T28	638331.9	7212221.9	137.35
T29	638294.3	7212235.4	137.57
T30	638256.6	7212249.0	137.19

INCLINOMETER LOCATION TABLE

POINT	EASTING	NORTHING	ELEV. (m)
4	638877.4	7212108.7	139.53
5	638594.0	7211875.1	139.99
6	638475.7	7212031.1	139.73
7	638439.7	7212085.1	139.32
8	638332.5	7212221.6	139.60

PIEZOMETER TABLE

POINT	EASTING	NORTHING	ELEV. (A)	ELEV. (B)	ELEV. (C)
14P2	638914.6	7212230.9	131.06	-	-
15P2	638856.8	7212076.0	130.73	-	-
16P2	638618.8	7211877.1	131.28	-	-
17P2	638568.8	7211877.1	129.40	-	-
18P2	638534.7	7211930.7	130.53	-	-
19P2	638415.6	7212123.8	123.22	-	-
20P2	638380.9	7212175.1	122.44	-	-
21P2	638363.7	7212199.8	121.13	-	-
22P2	638464.1	7212052.7	116.80	-	-
23P1	638872.8	7212130.1	118.49	123.49	129.49
23P2	638883.5	7212123.9	116.91	121.91	127.91
23P3	638887.1	7212122.0	116.96	121.96	-
24P1	638583.8	7211889.5	111.30, 116.30	121.80, 124.30	-
24P2	638583.9	7211877.1	110.15, 116.15	120.65, 123.15	124.65
24P3	638583.6	7211872.8	110.64, 115.64	121.16, 123.64	-
25P1	638489.3	7212037.5	117.02, 122.02	127.52, 129.52	-
25P2	638479.2	7212030.2	113.82, 118.82	124.32, 126.32	127.32
25P3	638475.8	7212028.2	115.10, 120.10	123.10, 125.10	-
26P1	638450.1	7212095.3	104.44, 109.44	114.94, 117.94	-
26P2	638439.7	7212088.2	106.77, 111.77	117.27, 120.27	123.27
26P3	638436.7	7212085.6	105.00, 111.36	117.46, 119.86	-
26P3	638450.1	7212095.3	105.00, 111.36	117.46, 119.86	-
27P1	638385.3	7212190.3	113.25, 118.25	123.75, 125.75	-
27P2	638375.0	7212183.4	112.61, 117.61	123.11, 125.11	126.61
27P3	638371.8	7212181.1	111.72, 116.72	122.22, 124.22	-
28P1	638332.1	7212237.1	102.99, 107.99	112.99, 115.99	-
28P2	638327.7	7212225.4	105.02, 110.02	115.02, 118.02	124.02
28P3	638326.6	7212221.8	105.91, 110.91	115.91, 118.91	-
29P1	638294.4	7212250.7	115.32, 120.32	125.32, 127.32	-
29P2	638290.2	7212239.0	114.99, 119.99	124.99, 126.99	129.99
29P3	638288.8	7212235.2	115.91, 120.91	125.91, 127.91	-

* WHERE MULTIPLE VALUES APPEAR THEY CORRESPOND WITH A1, A2, OR B1, B2 INSTRUMENT LOCATIONS.

SCALE: A (0 15 30 45 60 75)

PROJECT

AEM

AGNICO-EAGLE MINES LIMITED
MEADOWBANK GOLD PROJECT
NUNAVUT

TITLE

BAY-GOOSE DIKE SOUTH PORTION INSTRUMENTATION PLAN AND PROFILE STA. 30+900 TO STA. 32+160

Golder Associates

PROJECT No.		09-1428-5007
DESIGN	FE	23AUG10
CADD	JK	24AUG10
CHECK	FE	24AUG10
REVIEW	MRJ	24AUG10

FILE No. 4300_0_31
SCALE AS SHOWN REV. 1

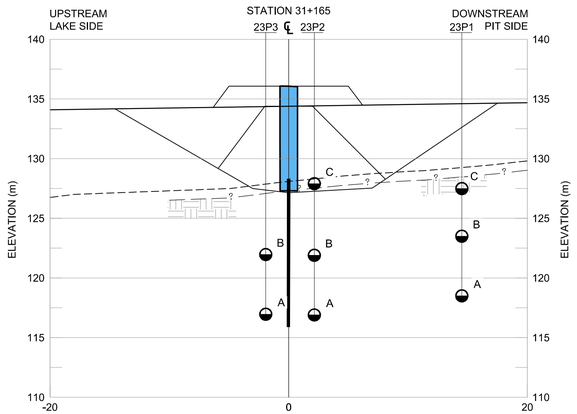
4300-31

STAMP

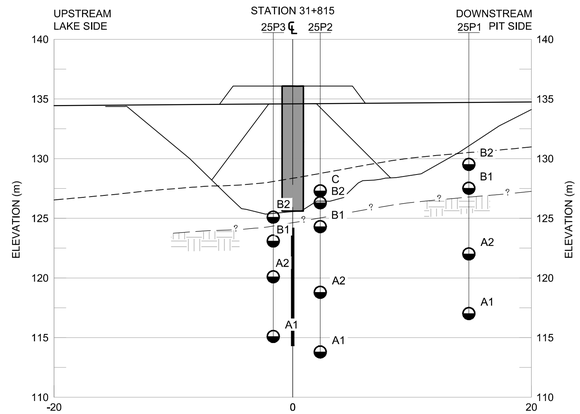
REV	DATE	DES	REVISION DESCRIPTION	CADD	CHK	RVW
1	15DEC12	FE	AS-BUILT	TK	GRB	FE
0	25AUG10	FE	ISSUED FOR CONSTRUCTION	JK	FE	MRJ
A	24AUG10	FE	ISSUED FOR REVIEW	JK	FE	MRJ

DRAWING NO. | REFERENCES

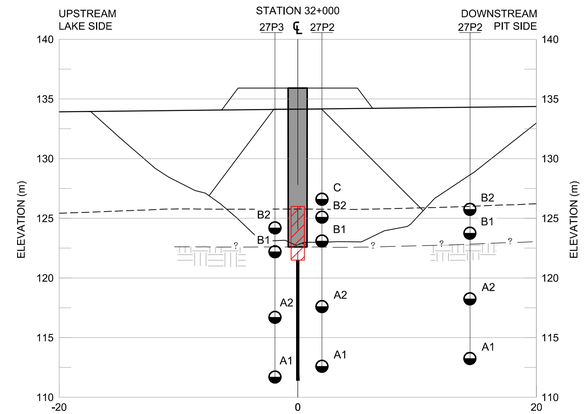
REVISION DATE:12/6/2012 9:25:37 AM By: TYKLASSEN CADD FILE: N:\bur-graphics\Projects\2009\1428\09-1428-5007\Drafting\4000\meadowbank - bay-goose (south) dike as-built\4300_0_31.dwg



A 4300-31 **INSTRUMENTATION SECTION**



C 4300-31 **INSTRUMENTATION SECTION**



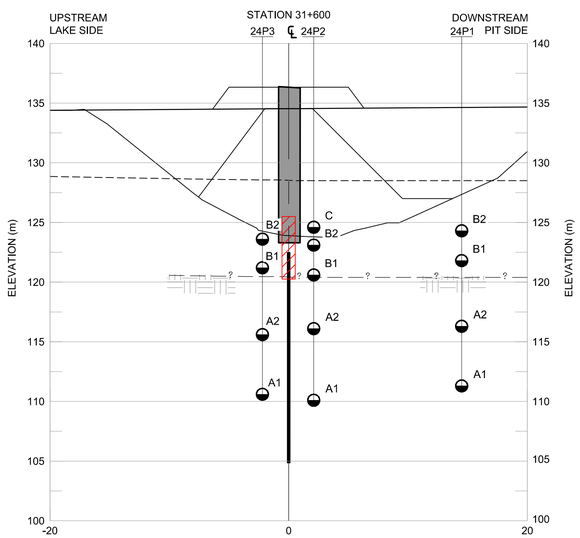
E 4300-31 **INSTRUMENTATION SECTION**

LEGEND

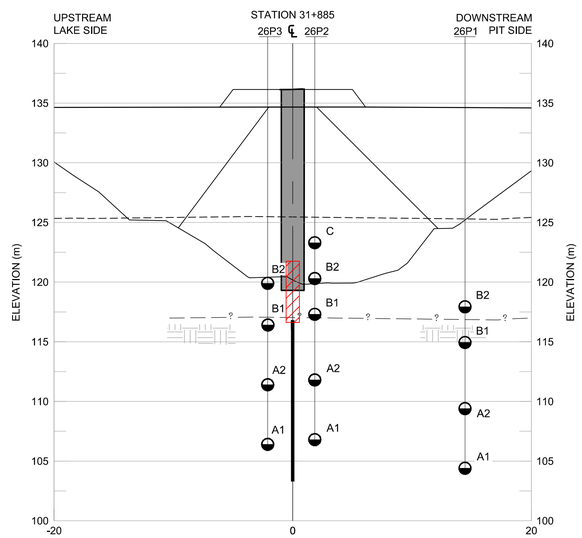
CUTOFF (CSB)	PIEZOMETER
CUTOFF (SB)	JET GROUT
INITIAL ROCKFILL	GROUT
LAKEBED	
BEDROCK	

NOTES

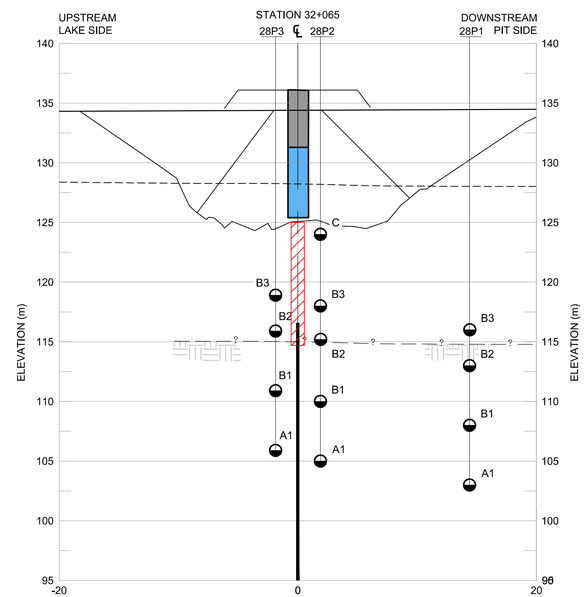
1) ALL DIMENSIONS ARE IN METRES UNLESS OTHERWISE NOTED.
2) ALL ELEVATIONS ARE IN METRES ABOVE SEA LEVEL (MASL), UNLESS OTHERWISE NOTED.
3) GRID REFERENCE : NAD 83, UTM ZONE 14.
4) CONTOUR INFORMATION ON LAND SUPPLIED BY AEM.
5) SURVEYED LAKE SURFACE ELEVATION : THIRD PORTAGE LAKE = 134.1m (2008)
6) LAKEBED SURFACE BASED ON BATHYMETRIC SURVEY BY GOLDER ASSOCIATES LTD., 2006 AND DETAILED (0.5m CONTOUR INTERVAL) 2008.
7) BEDROCK SURFACE INFERRED FROM 2009 AND 2010 AIR-TRACK INVESTIGATION, 2010 BOREHOLE INVESTIGATION AND CUTOFF TRENCH EXCAVATION.
8) ALL SLOPES ARE NOMINAL.
9) CORE BACKFILL WITHIN THE DOWNSTREAM SIDE OF THE TRENCH PLACED AT LEAST WITHIN 2m OF THE LAKEBED SEDIMENT ELEVATION.
10) MATERIAL PLACEMENT ANGLES FOR THE CORE BACKFILL AND COARSE FILTER/FINE ROCKFILL ARE APPROXIMATE. DOWNSTREAM CORE BACKFILL SLOPE WAS MONITORED TO ENSURE THE 2m LIMIT (NOTE 9) WAS ACHIEVED.



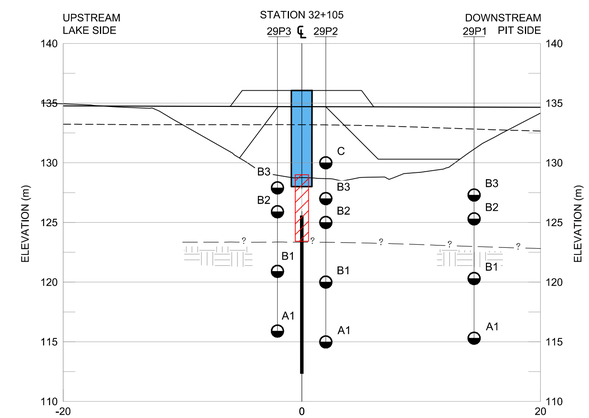
B 4300-31 **INSTRUMENTATION SECTION**



D 4300-31 **INSTRUMENTATION SECTION**



F 4300-31 **INSTRUMENTATION SECTION**



G 4300-31 **INSTRUMENTATION SECTION**

0 2.5 5 7.5 10 12.5
SCALE: A

PROJECT

AEM

AGNICO-EAGLE MINES LIMITED
MEADOWBANK GOLD PROJECT
NUNAVUT

TITLE

BAY-GOOSE DIKE SOUTH PORTION INSTRUMENTATION SECTIONS

Golder Associates

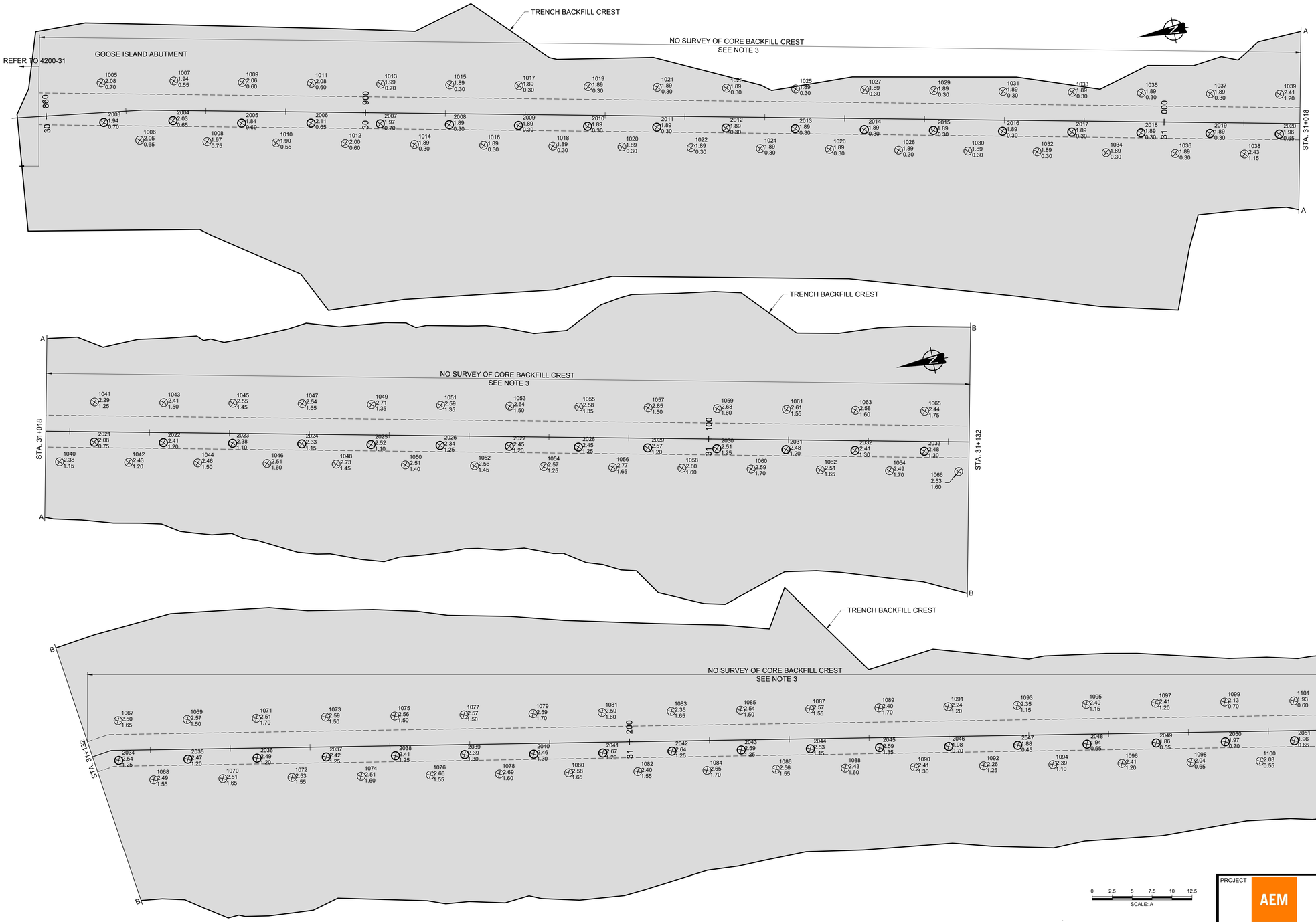
PROJECT No.		09-1428-5007	FILE No. 4300_0_32
DESIGN	FE	23AUG10	SCALE AS SHOWN REV. 1
CADD	JK	24AUG10	4300-32
CHECK	FE	24AUG10	
REVIEW	MRJ	24AUG10	

STAMP

REV	DATE	DES	REVISION DESCRIPTION	CADD	CHK	RVW
1	15DEC12	FE	AS-BUILT	TK	GRB	FE
0	25AUG10	FE	ISSUED FOR CONSTRUCTION	JK	FE	MRJ
A	24AUG10	KD	ISSUED FOR CLIENT REVIEW	JK	FE	MRJ

DRAWING NO. | REFERENCES

REVISION DATE:12/6/2012 9:29:41 AM By: TYKLASSEN CADD FILE: N:\bur-graphics\Projects\2009\1428\09-1428-5007\Drafting\4000\meadowbank - bay-goose (south) dike as-built\4300_0_32.dwg



LEGEND

1001	CRATER NUMBER
× 1.01	CRATER DEPTH
3.15	CRATER DIAMETER
○	PHASE 1 CRATER (NOT TO SCALE)
○	PHASE 2 CRATER (NOT TO SCALE)
	CORE BACKFILL
	TRENCH BACKFILL LIMIT
- - - -	ASSUMED CORE BACKFILL CREST

NOTES

1. ALL DIMENSIONS ARE IN METRES UNLESS OTHERWISE NOTED.
2. DYNAMIC COMPACTATION SURVEY PROVIDED BY GEOPAC TECH INC.
3. CORE BACKFILL CREST SURVEY NOT AVAILABLE WHERE NOTED, CORE BACKFILL ASSUMED 2.0m FROM CENTERLINE.
4. COMPLETE DENSIFICATION PLATFORM SURVEY NOT AVAILABLE.

0 2.5 5 7.5 10 12.5
SCALE: A

PROJECT

AEM

AGNICO-EAGLE MINES LIMITED
MEADOWBANK GOLD PROJECT
NUNAVUT

TITLE

BAY-GOOSE DIKE SOUTH PORTION DENSIFICATION PLAN - PHASE 1 AND 2 (1 OF 4)

Golder Associates

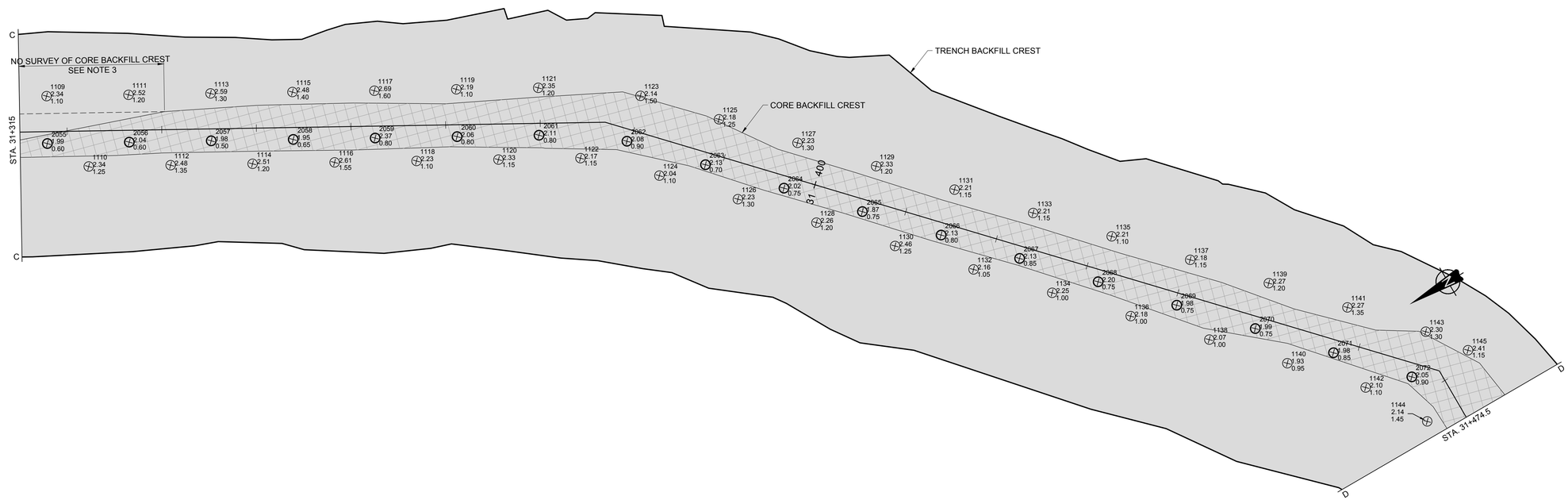
PROJECT No.		09-1428-5007	FILE No.	4300_0_42
DESIGN	FA	15FEB12	SCALE AS SHOWN	REV. 0
CADD	JD	15FEB12	4300-42	
CHECK	GRB	15DEC12		
REVIEW	FE	15DEC12		

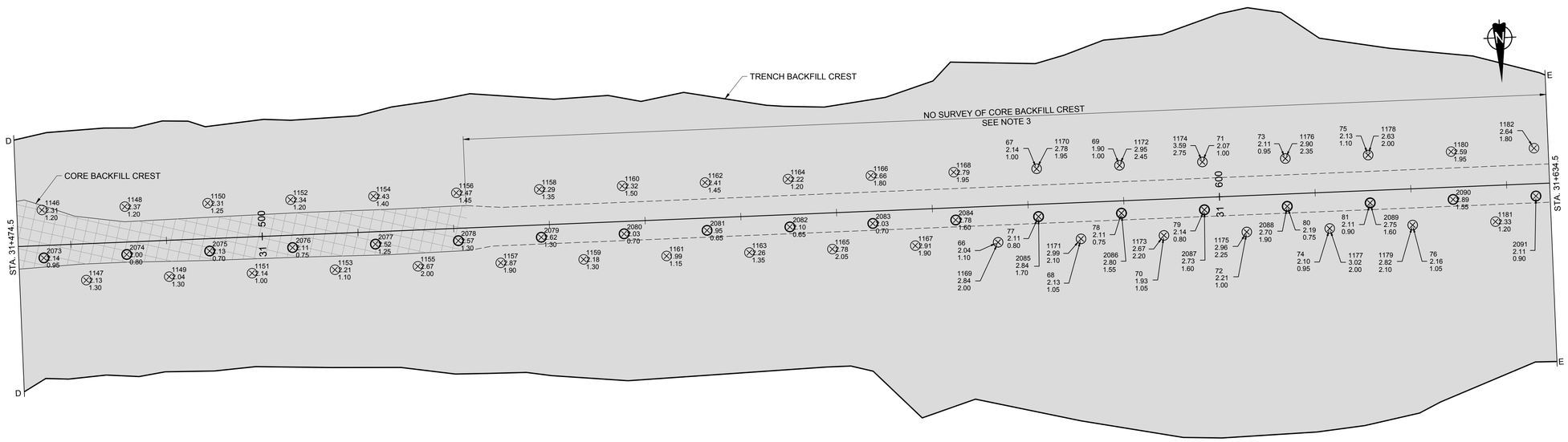
STAMP

REV	DATE	DES	REVISION DESCRIPTION	CADD	CHK	RVW
0	15DEC12	FA	AS-BUILT	JD	GRB	FE

DRAWING NO. | REFERENCES

Drawing File: N:\bur-graphics\Projects\2009\1428\09-1428-5007\Drafting\4000\meadowbank - bay-goose (south) dike as-built4300_0_42.dwg Layout:DENSIFICATION PLAN PHASE 1 AND PHASE 2 (1 OF 4) Friday, December 14, 2012 4:50:46 PM By: RHoriyck





LEGEND

1001 × 1.01 3.15	CRATER NUMBER CRATER DEPTH CRATER DIAMETER
○	PHASE 1 CRATER (NOT TO SCALE)
○	PHASE 2 CRATER (NOT TO SCALE)
	CORE BACKFILL
	TRENCH BACKFILL LIMIT
- - - -	ASSUMED CORE BACKFILL CREST

NOTES

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3. CORE BACKFILL CREST SURVEY NOT AVAILABLE WHERE NOTED, CORE BACKFILL ASSUMED 2.0m FROM CENTERLINE.
4. COMPLETE DENSIFICATION PLATFORM SURVEY NOT AVAILABLE.

0 2.5 5 7.5 10 12.5
SCALE: A

DRAWING NO.	REFERENCES

REV	DATE	DES	REVISION DESCRIPTION	CADD	CHK	RVW
0	15DEC12	FA	AS-BUILT	JD	GRB	FE

STAMP

PROJECT

AEM

AGNICO-EAGLE MINES LIMITED
MEADOWBANK GOLD PROJECT
NUNAVUT

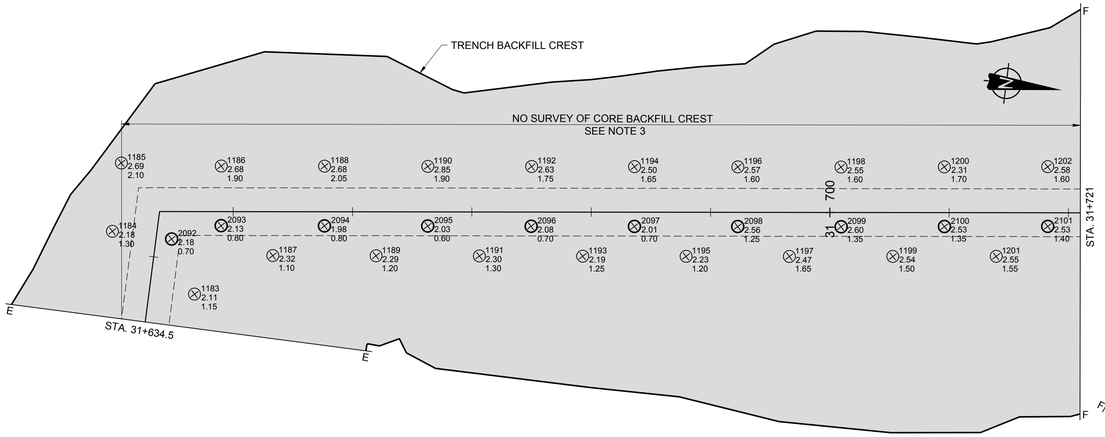
TITLE

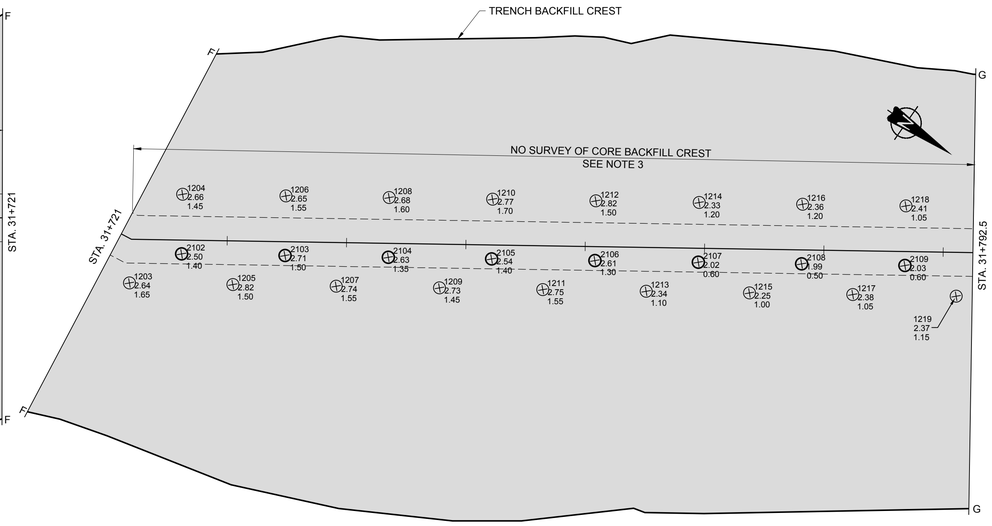
BAY-GOOSE DIKE SOUTH PORTION DENSIFICATION PLAN - PHASE 1 AND 2 (2 OF 4)

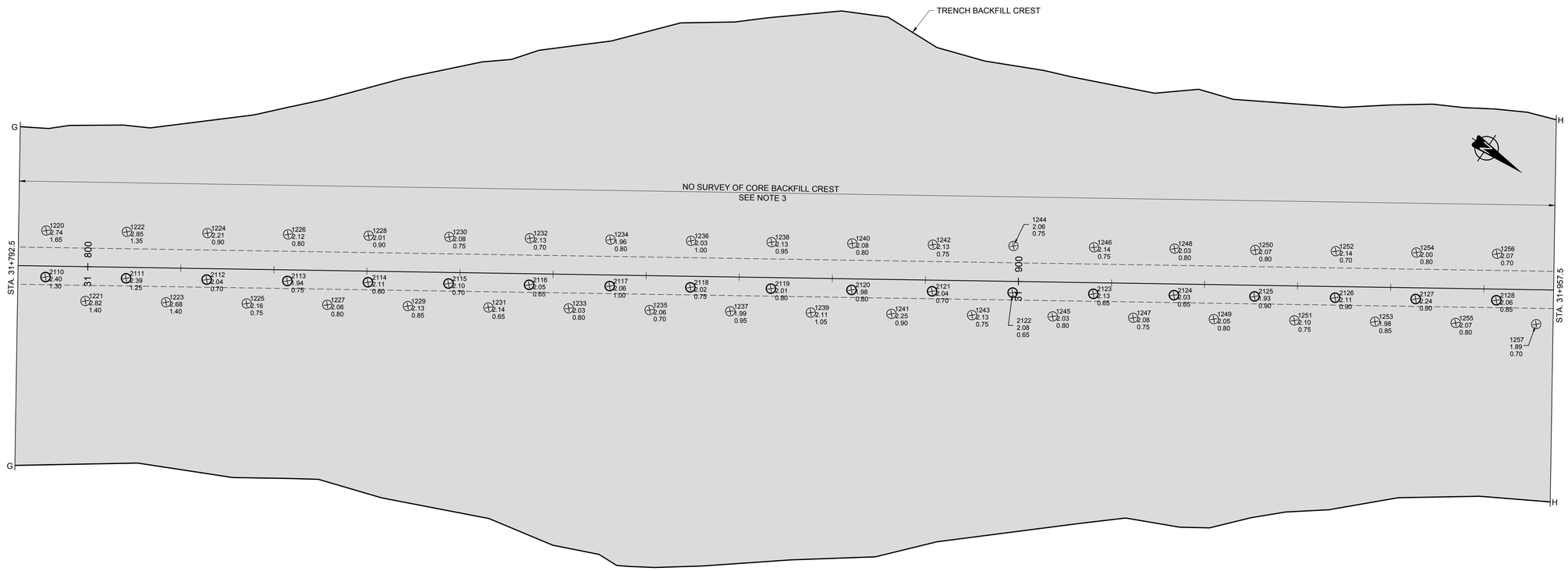
Golder Associates

PROJECT No.		09-1428-5007	FILE No.	4300_0_43
DESIGN	FA	15FEB12	SCALE AS SHOWN	REV. 0
CADD	JD	15FEB12	4300-43	
CHECK	GRB	15DEC12		
REVIEW	FE	15DEC12		

Drawing File: N:\bur-graphics\Projects\2009\1428\09-1428-5007\Drafting\4000\meadowbank - bay-goose (south) dike as-built\4300_0_43.dwg Layout:DENSIFICATION PLAN PHASE 1 AND PHASE 2 (2 OF 4) Friday, December 14, 2012 4:51:39 PM By: RHorlyck







LEGEND

1001 × 1.01 3.15	CRATER NUMBER CRATER DEPTH CRATER DIAMETER
○	PHASE 1 CRATER (NOT TO SCALE)
○	PHASE 2 CRATER (NOT TO SCALE)
	CORE BACKFILL
	TRENCH BACKFILL LIMIT
	ASSUMED CORE BACKFILL CREST

NOTES

1. ALL DIMENSIONS ARE IN METRES UNLESS OTHERWISE NOTED.
2. DYNAMIC COMPACTATION SURVEY PROVIDED BY GEOPAC TECH INC.
3. CORE BACKFILL CREST SURVEY NOT AVAILABLE WHERE NOTED, CORE BACKFILL ASSUMED 2.0m FROM CENTERLINE.
4. COMPLETE DENSIFICATION PLATFORM SURVEY NOT AVAILABLE.

0 2.5 5 7.5 10 12.5
SCALE: A

PROJECT

AEM

AGNICO-EAGLE MINES LIMITED
MEADOWBANK GOLD PROJECT
NUNAVUT

TITLE

BAY-GOOSE DIKE SOUTH PORTION DENSIFICATION PLAN - PHASE 1 AND 2 (3 OF 4)

Golder Associates

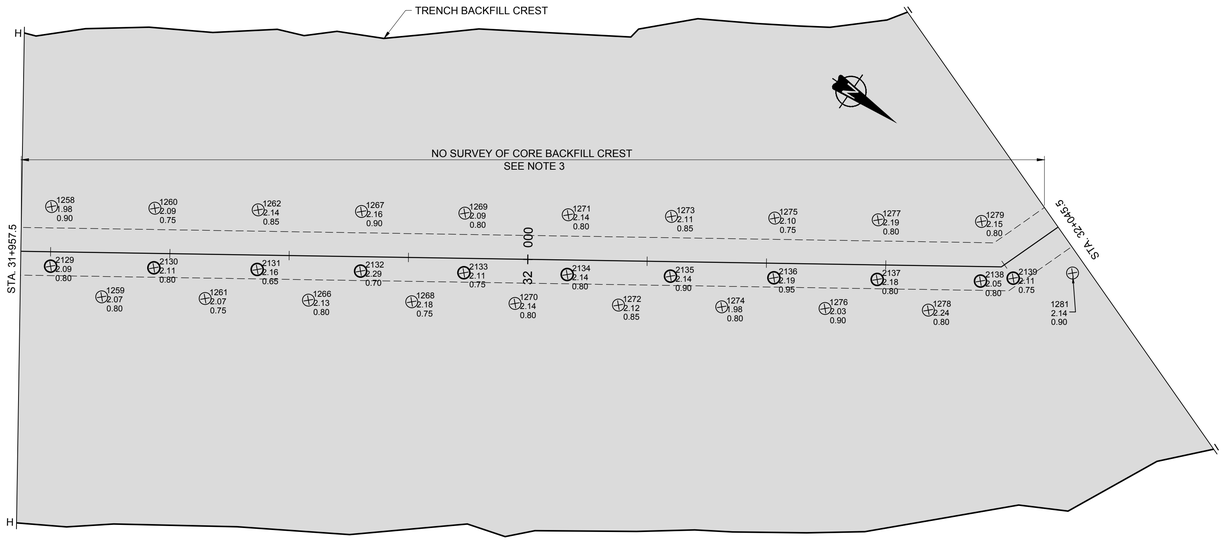
PROJECT No.		09-1428-5007	FILE No.		4300_0_44
DESIGN	FA	15FEB12	SCALE	AS SHOWN	REV. 0
CADD	JD	15FEB12	4300-44		
CHECK	GRB	15DEC12			
REVIEW	FE	15DEC12			

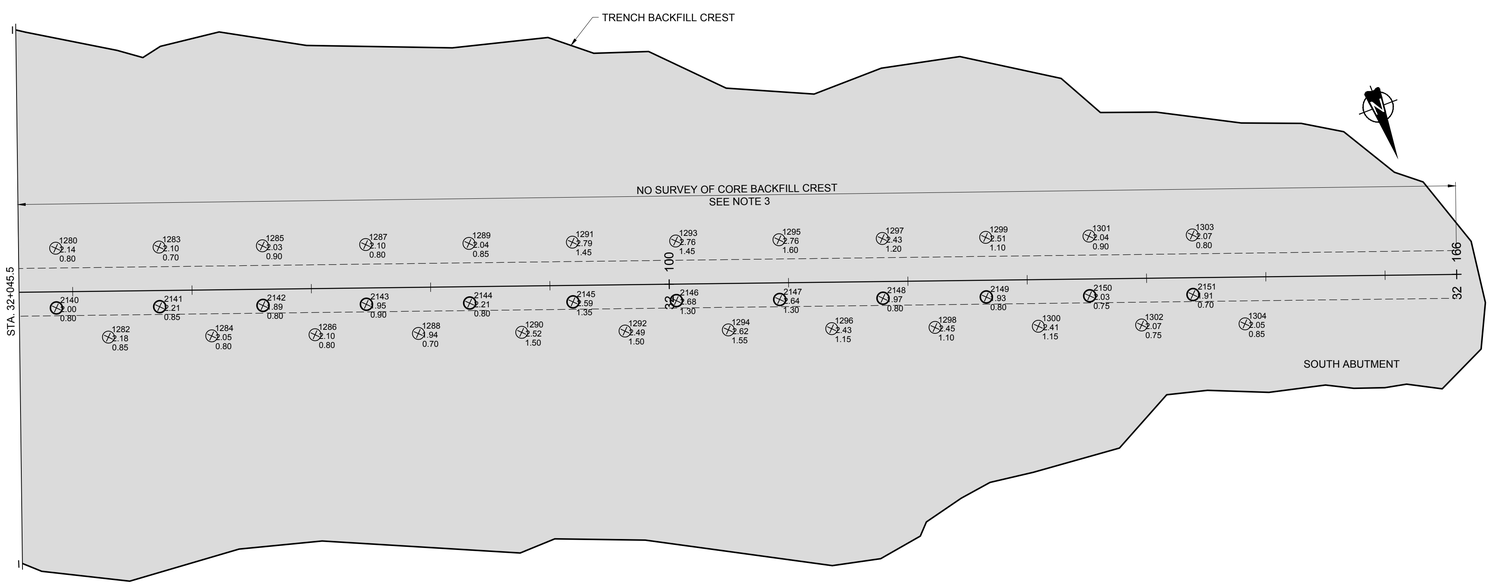
STAMP

REV	DATE	DES	REVISION DESCRIPTION	CADD	CHK	RVW
1	15DEC12	FA	AS-BUILT	JD	GRB	FE

DRAWING NO. | REFERENCES

Drawing File: N:\bur-graphics\Projects\2009\1428\09-1428-5007\Drafting\4000\meadowbank - bay-goose (south) dike as-built\4300_0_44.dwg Layout:DENSIFICATION PLAN PHASE 1 AND PHASE 2 (3 OF 4) Friday, December 14, 2012 4:55:28 PM By: RHorlyck





LEGEND

1001 × 1.01 3.15	CRATER NUMBER CRATER DEPTH CRATER DIAMETER
○	PHASE 1 CRATER (NOT TO SCALE)
○	PHASE 2 CRATER (NOT TO SCALE)
	CORE BACKFILL
	TRENCH BACKFILL LIMIT
- - - -	ASSUMED CORE BACKFILL CREST

NOTES

1. ALL DIMENSIONS ARE IN METRES UNLESS OTHERWISE NOTED.
2. DYNAMIC COMPACTATION SURVEY PROVIDED BY GEOPAC TECH INC.
3. CORE BACKFILL CREST SURVEY NOT AVAILABLE WHERE NOTED, CORE BACKFILL ASSUMED 2.0m FROM CENTERLINE.
4. COMPLETE DENSIFICATION PLATFORM SURVEY NOT AVAILABLE.

0 2.5 5 7.5 10 12.5
SCALE: A

DRAWING NO.	REFERENCES

REV	DATE	DES	REVISION DESCRIPTION	CADD	CHK	RVW
0	15DEC12	FA	AS-BUILT	JD	GRB	FE

STAMP

PROJECT

AEM

AGNICO-EAGLE MINES LIMITED
MEADOWBANK GOLD PROJECT
NUNAVUT

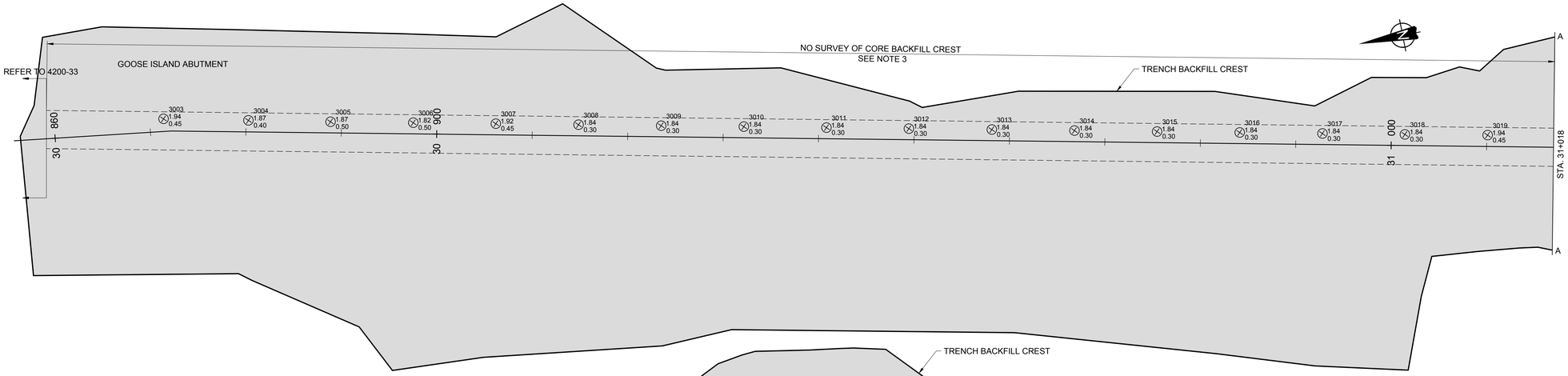
TITLE

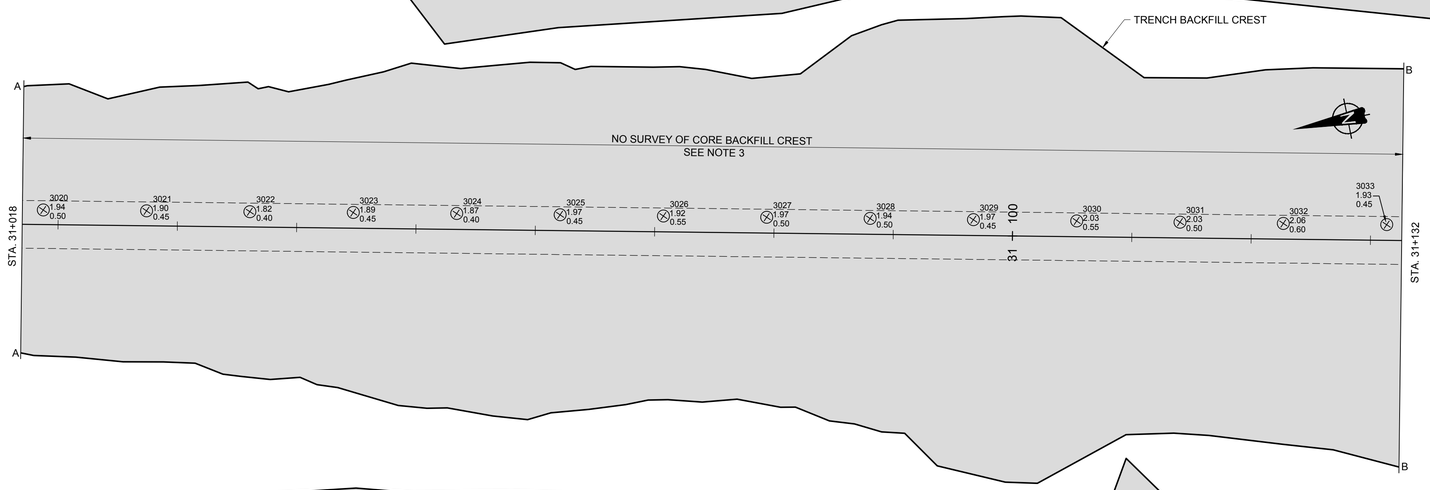
BAY-GOOSE DIKE SOUTH PORTION DENSIFICATION PLAN - PHASE 1 AND 2 (4 OF 4)

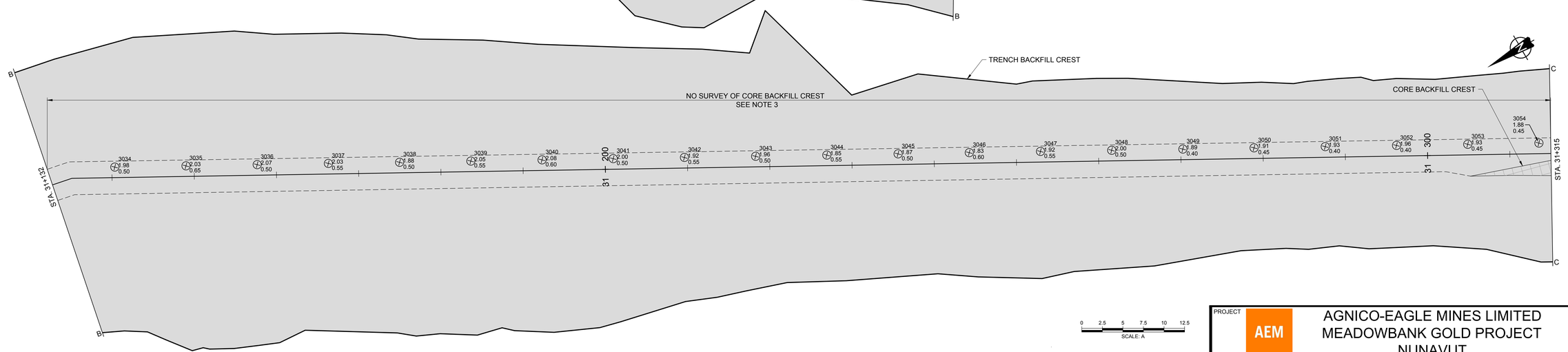
Golder Associates

PROJECT No.		09-1428-5007	FILE No.	4300_0_45
DESIGN	FA	15FEB12	SCALE AS SHOWN	REV. 0
CADD	JD	15FEB12	4300-45	
CHECK	GRB	15DEC12		
REVIEW	FE	15DEC12		

Drawing File: N:\bur-graphics\Projects\2009\1428\09-1428-5007\Drafting\4000\meadowbank - bay-goose (south) dike as-built\4300_0_45.dwg Layout:DENSIFICATION PLAN PHASE 1 AND PHASE 2 (4 OF 4) Friday, December 14, 2012 4:59:42 PM By: RHorlyck







LEGEND

1001 / × 1.01 / 3.15	CRATER NUMBER / CRATER DEPTH / CRATER DIAMETER
○	PHASE 3 CRATER (NOT TO SCALE)
	CORE BACKFILL
	TRENCH BACKFILL LIMIT
- - - -	ASSUMED CORE BACKFILL CREST

NOTES

1. ALL DIMENSIONS ARE IN METRES UNLESS OTHERWISE NOTED.
2. DYNAMIC COMPACTATION SURVEY PROVIDED BY GEOPAC TECH INC.
3. CORE BACKFILL CREST SURVEY NOT AVAILABLE WHERE NOTED, CORE BACKFILL ASSUMED 2.0m FROM CENTERLINE.
4. COMPLETE DENSIFICATION PLATFORM SURVEY NOT AVAILABLE.

0 2.5 5 7.5 10 12.5
SCALE: A

PROJECT

AEM

AGNICO-EAGLE MINES LIMITED
MEADOWBANK GOLD PROJECT
NUNAVUT

TITLE

BAY-GOOSE DIKE SOUTH PORTION DENSIFICATION PLAN - PHASE 3 (1 OF 4)

REV	DATE	DES	REVISION DESCRIPTION	CADD	CHK	RVW
0	15DEC12	FA	AS-BUILT	JD	GRB	FE

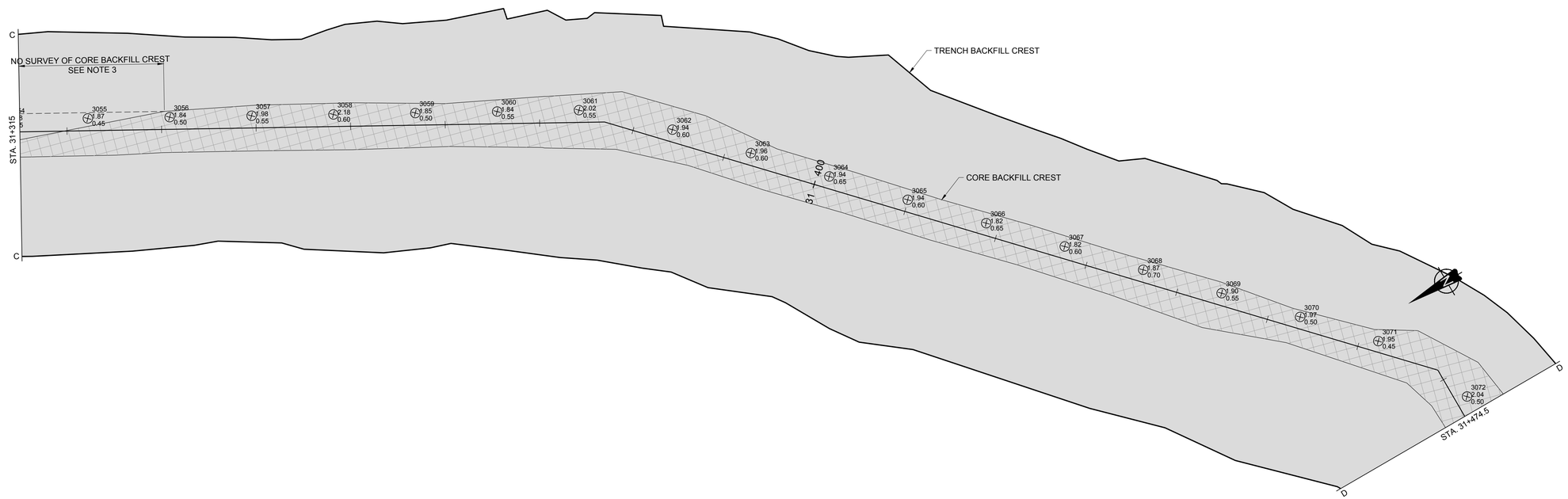
DRAWING NO. | REFERENCES

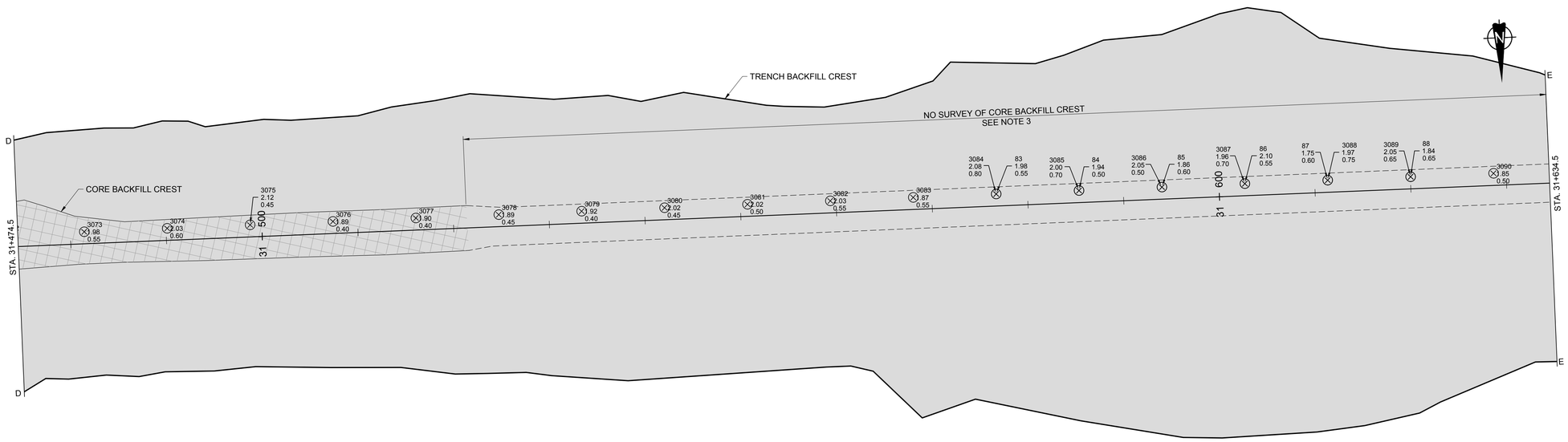
STAMP

Golder Associates

PROJECT No.		09-1428-5007	FILE No.	4300_0_46
DESIGN	FA	15FEB12	SCALE AS SHOWN	REV. 0
CADD	JD	15FEB12	4300-46	
CHECK	GRB	15DEC12		
REVIEW	FE	15DEC12		

Drawing File: N:\bur-graphics\Projects\2009\1428\09-1428-5007\Drafting\4000\meadowbank - bay-goose (south) dike as-built\4300_0_46.dwg Layout:DENSIFICATION PLAN PHASE 3 (1 OF 4) Monday, December 17, 2012 10:24:02 AM By: RHorlyck





LEGEND

1001 × 1.01 3.15	CRATER NUMBER CRATER DEPTH CRATER DIAMETER
○	PHASE 3 CRATER (NOT TO SCALE)
	CORE BACKFILL
	TRENCH BACKFILL LIMIT
- - - -	ASSUMED CORE BACKFILL CREST

NOTES

1. ALL DIMENSIONS ARE IN METRES UNLESS OTHERWISE NOTED.
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3. CORE BACKFILL CREST SURVEY NOT AVAILABLE WHERE NOTED, CORE BACKFILL ASSUMED 2.0m FROM CENTERLINE.
4. COMPLETE DENSIFICATION PLATFORM SURVEY NOT AVAILABLE.

0 2.5 5 7.5 10 12.5
SCALE: A

PROJECT

AEM

AGNICO-EAGLE MINES LIMITED
MEADOWBANK GOLD PROJECT
NUNAVUT

TITLE

BAY-GOOSE DIKE SOUTH PORTION DENSIFICATION PLAN - PHASE 3 (2 OF 4)

Golder Associates

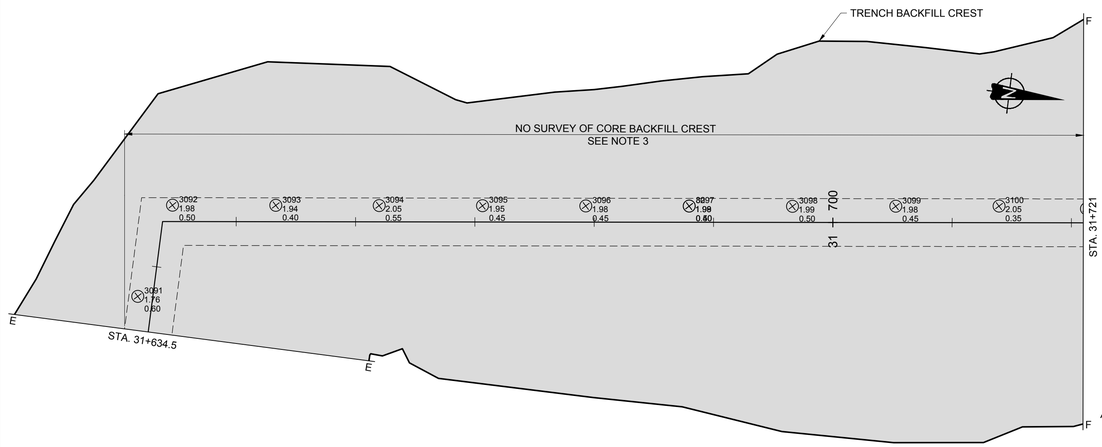
PROJECT No.		09-1428-5007	FILE No.		4300_0_47
DESIGN	FA	15FEB12	SCALE	AS SHOWN	REV. 0
CADD	JD	15FEB12	4300-47		
CHECK	GRB	15DEC12			
REVIEW	FE	15DEC12			

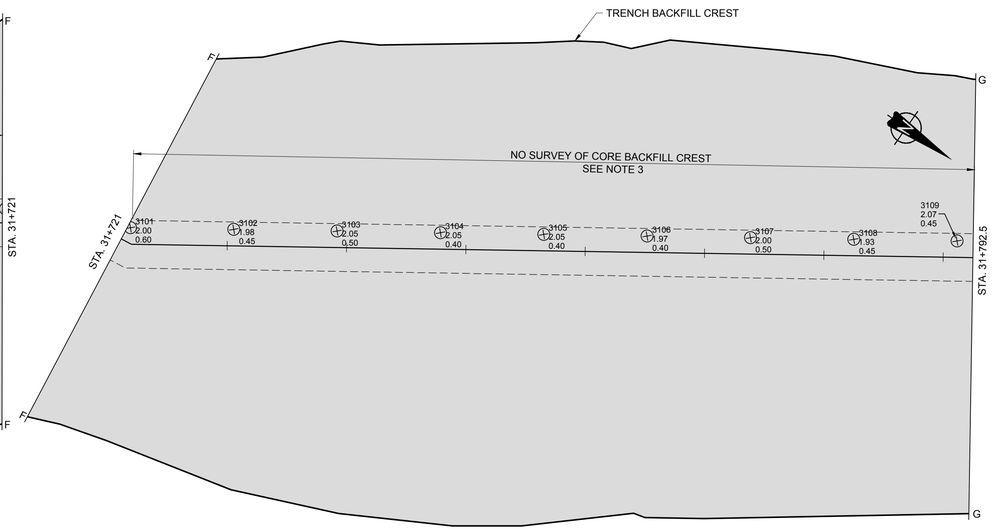
STAMP

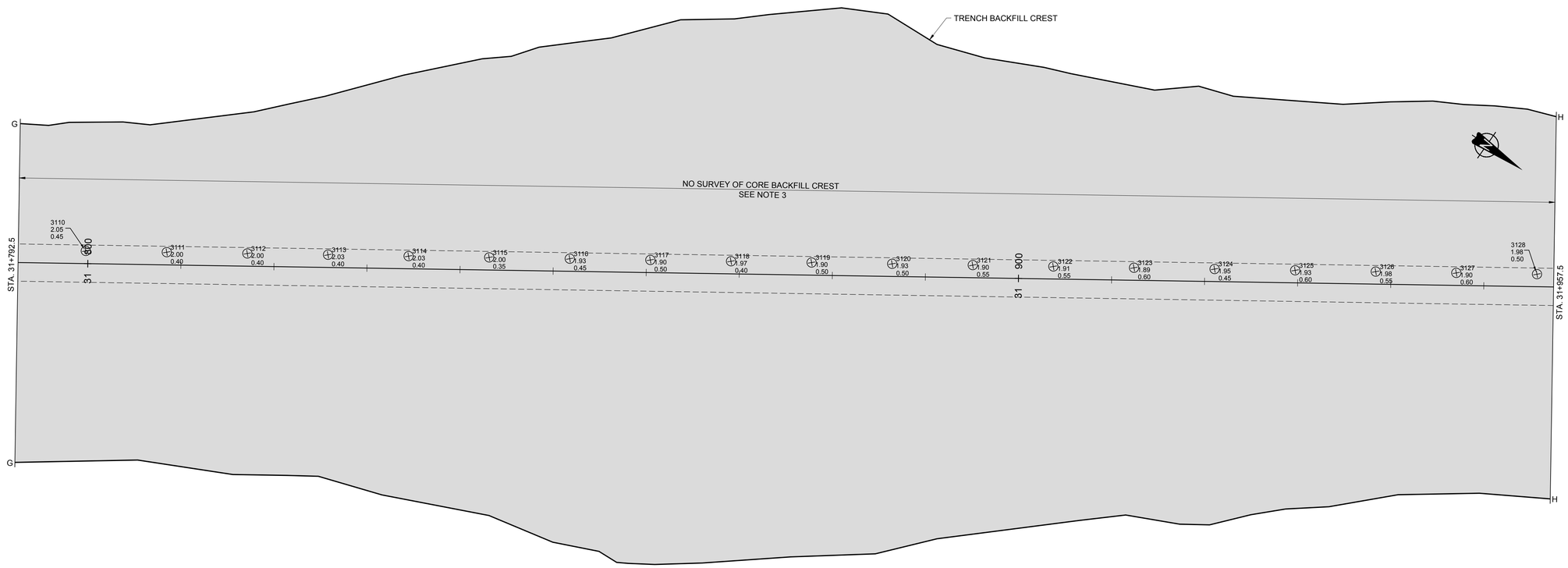
REV	DATE	DES	REVISION DESCRIPTION	CADD	CHK	RVW
0	15DEC12	FA	AS-BUILT	JD	GRB	FE

DRAWING NO. | REFERENCES

Drawing File: N:\bur-graphics\Projects\2009\1428\09-1428-5007\Drafting\4000\meadowbank - bay-goose (south) dike as-built\4300_0_47.dwg Layout:DENSIFICATION PLAN PHASE 3 (2 OF 4) Monday, December 17, 2012 10:25:02 AM By: RHorlyck







LEGEND

1001 / 1.01 / 3.15	CRATER NUMBER / CRATER DEPTH / CRATER DIAMETER
○	PHASE 3 CRATER (NOT TO SCALE)
	CORE BACKFILL
	TRENCH BACKFILL LIMIT
- - - -	ASSUMED CORE BACKFILL CREST

NOTES

1. ALL DIMENSIONS ARE IN METRES UNLESS OTHERWISE NOTED.
2. DYNAMIC COMPACTATION SURVEY PROVIDED BY GEOPAC TECH INC.
3. CORE BACKFILL CREST SURVEY NOT AVAILABLE WHERE NOTED, CORE BACKFILL ASSUMED 2.0m FROM CENTERLINE.
4. COMPLETE DENSIFICATION PLATFORM SURVEY NOT AVAILABLE.

0 2.5 5 7.5 10 12.5
SCALE: A

PROJECT

AEM

AGNICO-EAGLE MINES LIMITED
MEADOWBANK GOLD PROJECT
NUNAVUT

TITLE

BAY-GOOSE DIKE SOUTH PORTION DENSIFICATION PLAN - PHASE 3 (3 OF 4)

Golder Associates

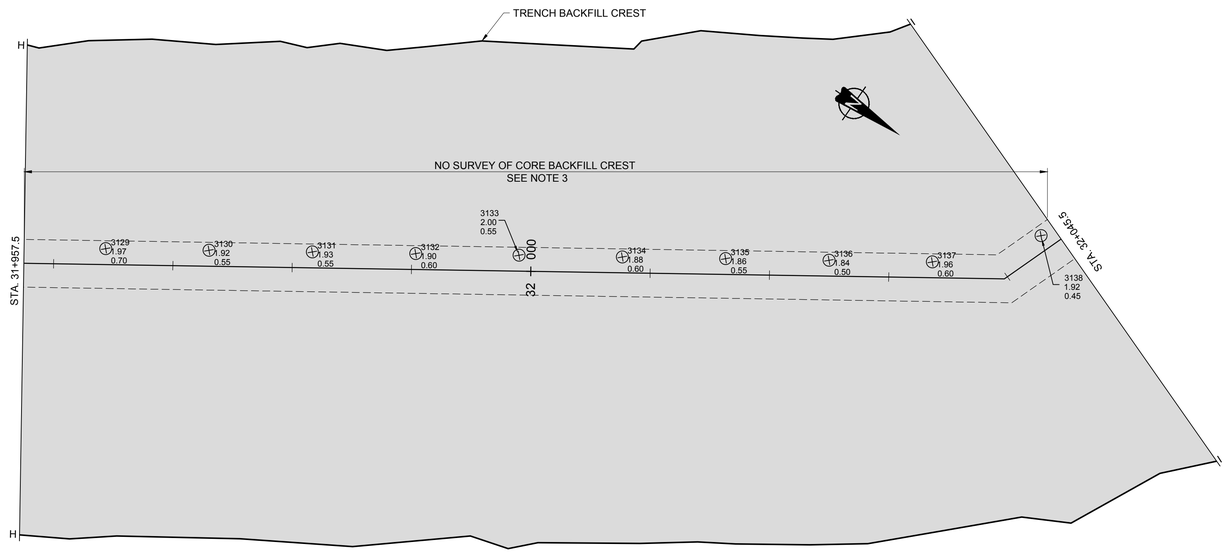
PROJECT No.		09-1428-5007	FILE No. 4300_0_48
DESIGN	FA	15FEB12	SCALE AS SHOWN REV. 0
CADD	JD	15FEB12	4300-48
CHECK	GRB	15DEC12	
REVIEW	FE	15DEC12	

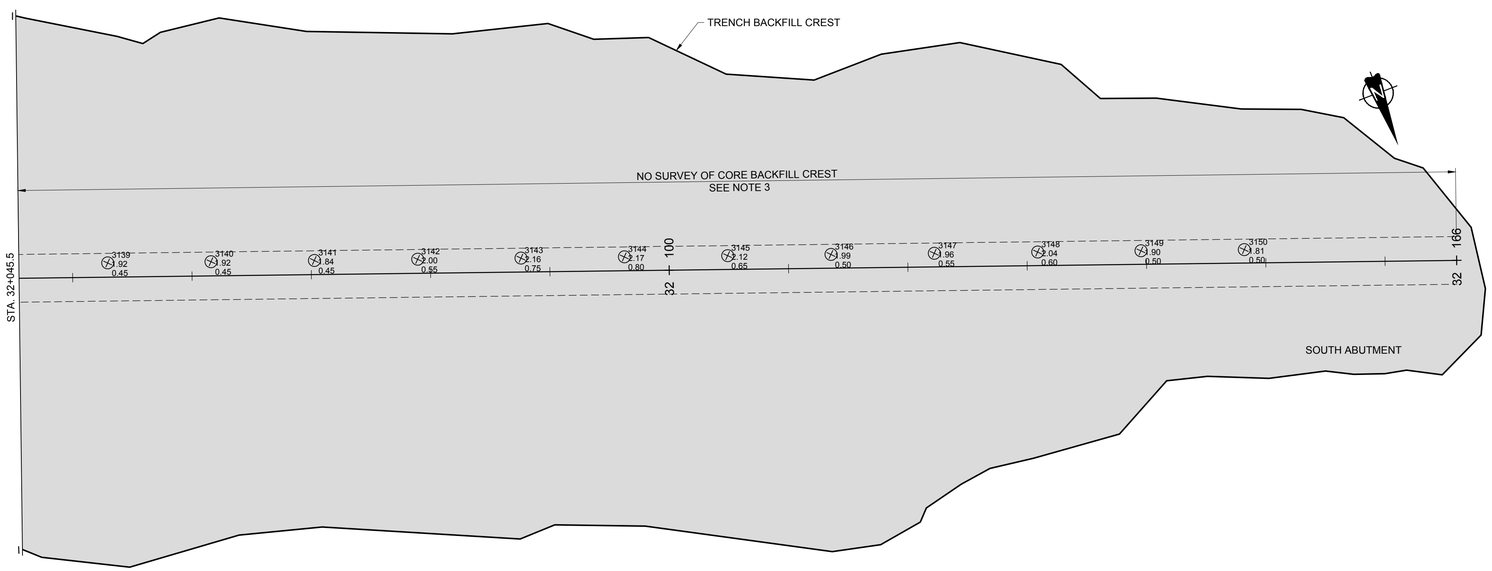
STAMP

REV	DATE	DES	REVISION DESCRIPTION	CADD	CHK	RVW
1	15DEC12	FA	AS-BUILT	JD	GRB	FE

DRAWING NO. | REFERENCES

Drawing File: N:\bur-graphics\Projects\2009\1428\09-1428-5007\Drafting\4000\meadowbank - bay-goose (south) dike as-built\4300_0_48.dwg Layout:DENSIFICATION PLAN PHASE 3 (3 OF 4) Monday, December 17, 2012 10:25:47 AM By: RHorlyck





LEGEND

1001 / × 1.01 / 3.15	CRATER NUMBER / CRATER DEPTH / CRATER DIAMETER
○	PHASE 3 CRATER (NOT TO SCALE)
	CORE BACKFILL
	TRENCH BACKFILL LIMIT
- - - -	ASSUMED CORE BACKFILL CREST

NOTES

1. ALL DIMENSIONS ARE IN METRES UNLESS OTHERWISE NOTED.
2. DYNAMIC COMPACTATION SURVEY PROVIDED BY GEOPAC TECH INC.
3. CORE BACKFILL CREST SURVEY NOT AVAILABLE WHERE NOTED, CORE BACKFILL ASSUMED 2.0m FROM CENTERLINE.
4. COMPLETE DENSIFICATION PLATFORM SURVEY NOT AVAILABLE.

0 2.5 5 7.5 10 12.5
SCALE: A

DRAWING NO.	REFERENCES

REV	DATE	DES	REVISION DESCRIPTION	CADD	CHK	RVW
0	15DEC12	FA	AS-BUILT	JD	GRB	FE

STAMP

PROJECT

AEM

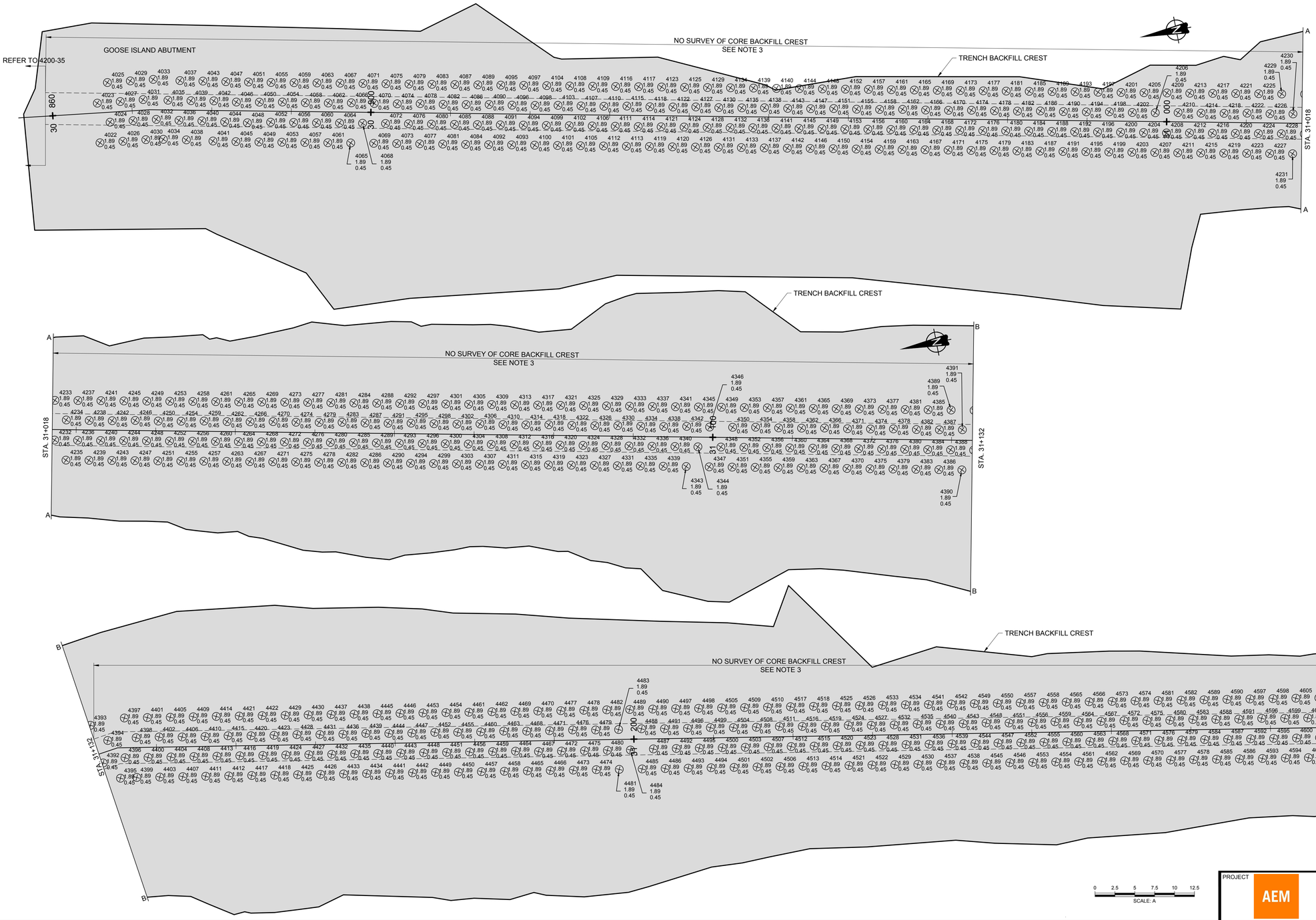
AGNICO-EAGLE MINES LIMITED
MEADOWBANK GOLD PROJECT
NUNAVUT

TITLE

BAY-GOOSE DIKE SOUTH PORTION DENSIFICATION PLAN - PHASE 3 (4 OF 4)

Golder Associates

PROJECT No.		09-1428-5007	FILE No.	4300_0_49
DESIGN	FA	15FEB12	SCALE AS SHOWN	REV. 0
CADD	JD	15FEB12	4300-49	
CHECK	GRB	15DEC12		
REVIEW	FE	15DEC12		



LEGEND

1001 × 1.01 3.15	CRATER NUMBER CRATER DEPTH CRATER DIAMETER
○	PHASE 4 CRATER (NOT TO SCALE)
	CORE BACKFILL
	TRENCH BACKFILL LIMIT
- - - -	ASSUMED CORE BACKFILL CREST

NOTES

1. ALL DIMENSIONS ARE IN METRES UNLESS OTHERWISE NOTED.
2. DYNAMIC COMPACTATION SURVEY PROVIDED BY GEOPAC TECH INC.
3. CORE BACKFILL CREST SURVEY NOT AVAILABLE WHERE NOTED. CORE BACKFILL ASSUMED 2.0m FROM CENTERLINE.
4. COMPLETE DENSIFICATION PLATFORM SURVEY NOT AVAILABLE.

0 2.5 5 7.5 10 12.5
SCALE: A

PROJECT

AEM

AGNICO-EAGLE MINES LIMITED
MEADOWBANK GOLD PROJECT
NUNAVUT

TITLE

BAY-GOOSE DIKE SOUTH PORTION DENSIFICATION PLAN - PHASE 4 (1 OF 4)

Golder Associates

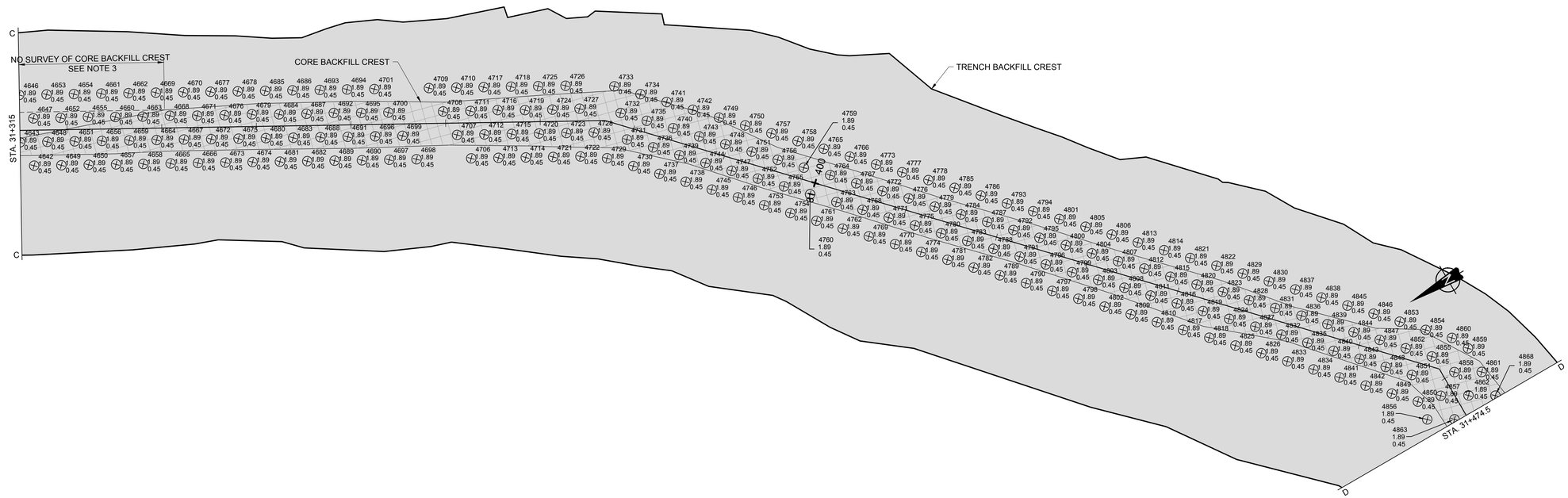
PROJECT No.		09-1428-5007	FILE No. 4300_0_50
DESIGN	FA	15FEB12	SCALE AS SHOWN REV. 0
CADD	JD	15FEB12	4300-50
CHECK	GRB	15DEC12	
REVIEW	FE	15DEC12	

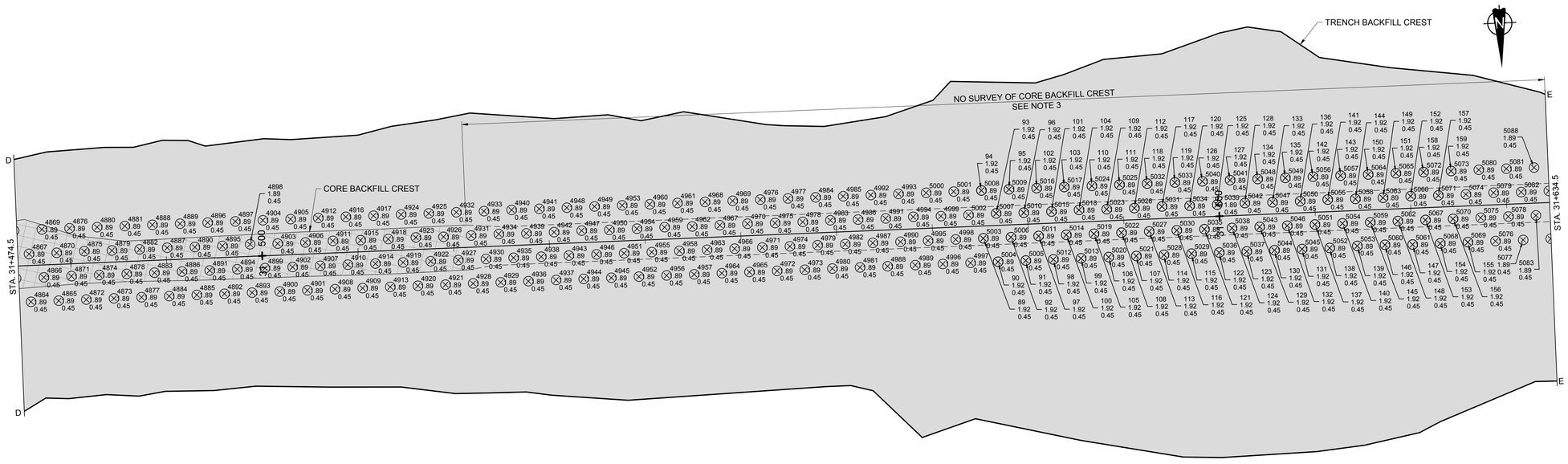
STAMP

REV	DATE	DES	REVISION DESCRIPTION	CADD	CHK	RVW
0	15DEC12	FA	AS-BUILT	JD	GRB	FE

DRAWING NO. | REFERENCES

Drawing File: N:\bur-graphics\Projects\2009\1428\09-1428-5007\Drafting\4000\meadowbank - bay-goose (south) dike as-built4300_0_50.dwg Layout:DENSIFICATION PLAN PHASE 4 (1 OF 4) Monday, December 17, 2012 10:27:49 AM By: RHorlyck





LEGEND

1001 / 1.01 / 3.15	CRATER NUMBER / CRATER DEPTH / CRATER DIAMETER
○	PHASE 4 CRATER (NOT TO SCALE)
	CORE BACKFILL
	TRENCH BACKFILL LIMIT
- - - -	ASSUMED CORE BACKFILL CREST

NOTES

1. ALL DIMENSIONS ARE IN METRES UNLESS OTHERWISE NOTED.
2. DYNAMIC COMPACTATION SURVEY PROVIDED BY GEOPAC TECH INC.
3. CORE BACKFILL CREST SURVEY NOT AVAILABLE WHERE NOTED, CORE BACKFILL ASSUMED 2.0m FROM CENTERLINE.
4. COMPLETE DENSIFICATION PLATFORM SURVEY NOT AVAILABLE.

0 2.5 5 7.5 10 12.5
SCALE: A

REV	DATE	DES	REVISION DESCRIPTION	CADD	CHK	RVW
0	15DEC12	FA	AS-BUILT	JD	GRB	FE

DRAWING NO. | REFERENCES

STAMP

PROJECT

AEM

AGNICO-EAGLE MINES LIMITED
MEADOWBANK GOLD PROJECT
NUNAVUT

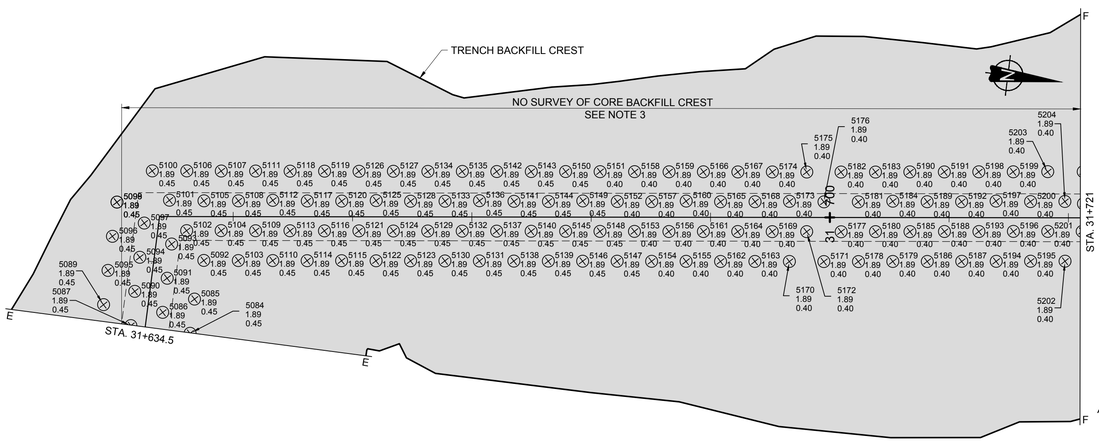
TITLE

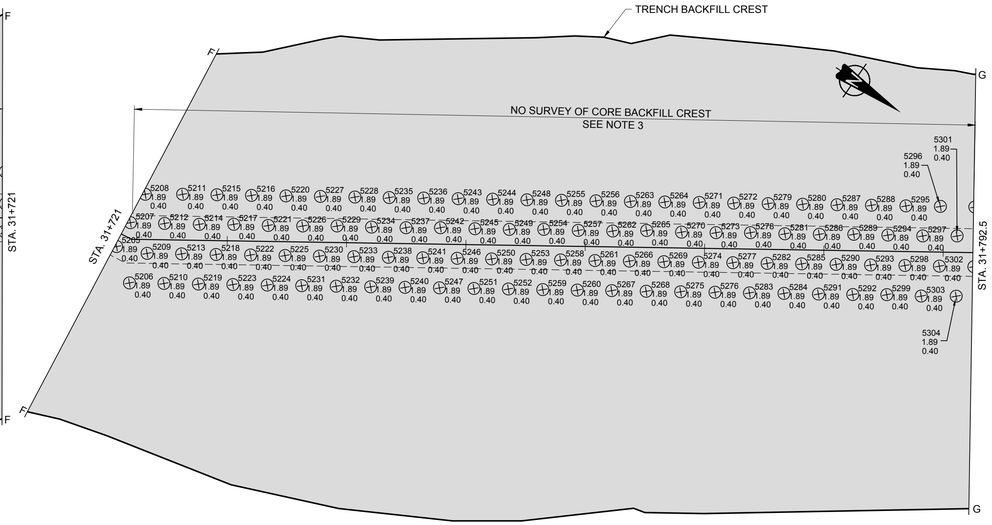
BAY-GOOSE DIKE SOUTH PORTION DENSIFICATION PLAN - PHASE 4 (2 OF 4)

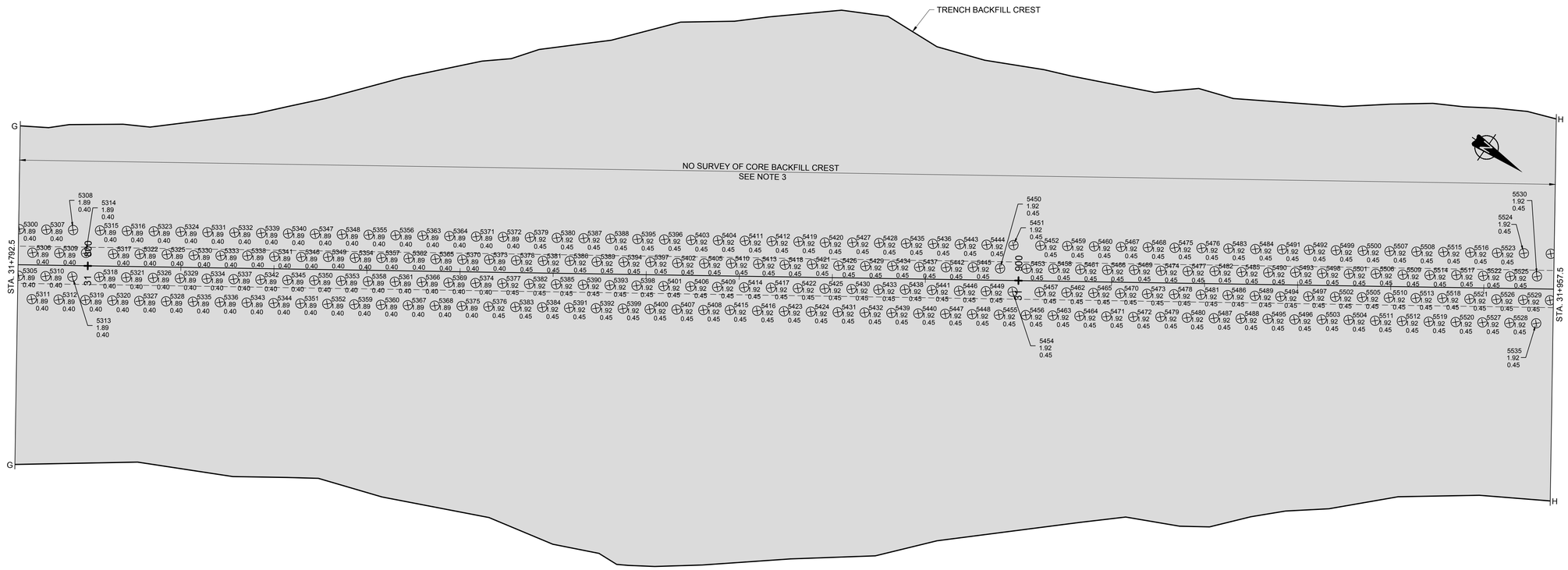
Golder Associates

PROJECT No.		09-1428-5007	FILE No.	4300_0_51
DESIGN	FA	15FEB12	SCALE AS SHOWN	REV. 0
CADD	JD	15FEB12	4300-51	
CHECK	GRB	15DEC12		
REVIEW	FE	15DEC12		

Drawing File: N:\bur-graphics\Projects\2009\1428\09-1428-5007\Drafting\4000\meadowbank - bay-goose (south) dike as-built\4300_0_51.dwg Layout:DENSIFICATION PLAN PHASE 4 (2 OF 4) Monday, December 17, 2012 10:29:00 AM By: RHorlyck







LEGEND

1001 / 1.01 / 3.15	CRATER NUMBER / CRATER DEPTH / CRATER DIAMETER
	PHASE 4 CRATER (NOT TO SCALE)
	CORE BACKFILL
	TRENCH BACKFILL LIMIT
	ASSUMED CORE BACKFILL CREST

NOTES

1. ALL DIMENSIONS ARE IN METRES UNLESS OTHERWISE NOTED.
2. DYNAMIC COMPACTATION SURVEY PROVIDED BY GEOPAC TECH INC.
3. CORE BACKFILL CREST SURVEY NOT AVAILABLE WHERE NOTED, CORE BACKFILL ASSUMED 2.0m FROM CENTERLINE.
4. COMPLETE DENSIFICATION PLATFORM SURVEY NOT AVAILABLE.

0 2.5 5 7.5 10 12.5
SCALE: A

PROJECT

AEM

AGNICO-EAGLE MINES LIMITED
MEADOWBANK GOLD PROJECT
NUNAVUT

TITLE

BAY-GOOSE DIKE SOUTH PORTION DENSIFICATION PLAN - PHASE 4 (3 OF 4)

Golder Associates

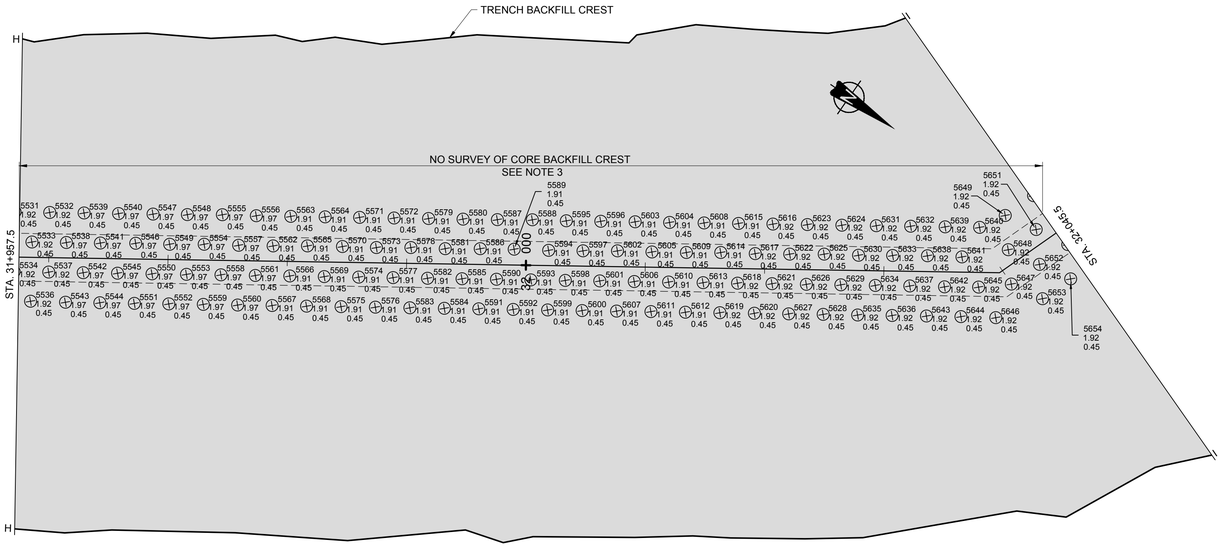
PROJECT No.		09-1428-5007	FILE No.	4300_0_52
DESIGN	FA	15FEB12	SCALE AS SHOWN	REV. 0
CADD	JD	15FEB12	4300-52	
CHECK	GRB	15DEC12		
REVIEW	FE	15DEC12		

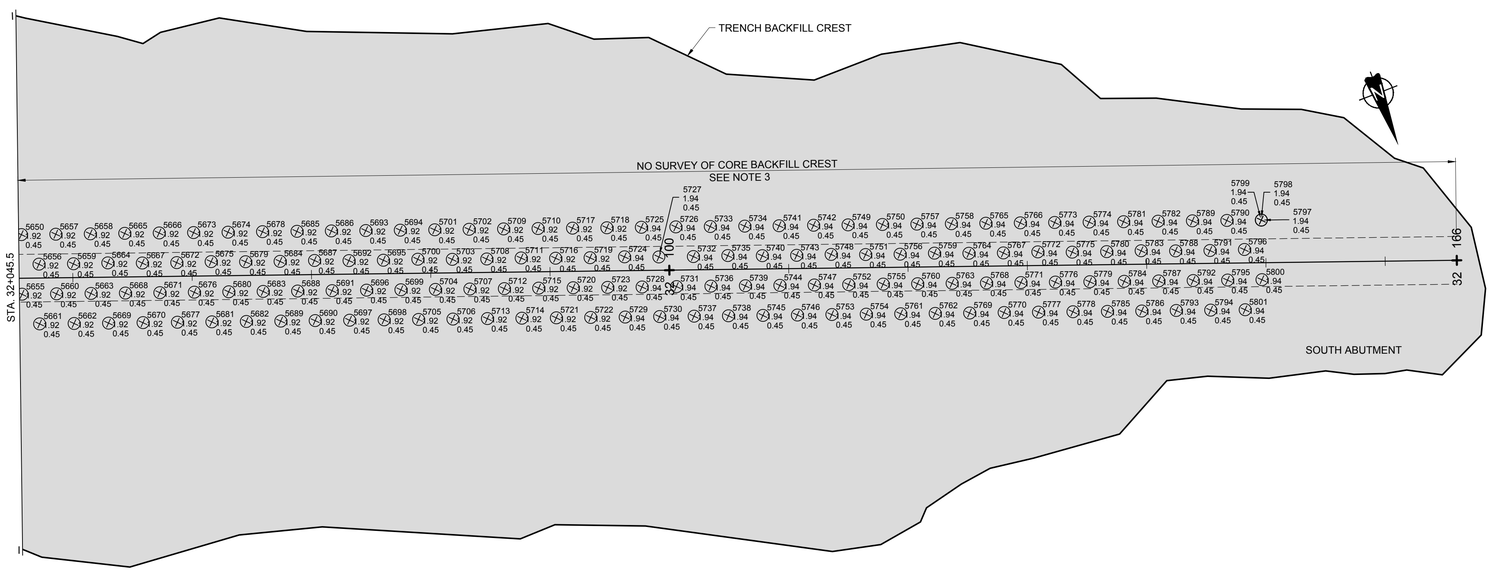
STAMP

REV	DATE	DES	REVISION DESCRIPTION	CADD	CHK	RVW
0	15DEC12	FA	AS-BUILT	JD	GRB	FE

DRAWING NO. | REFERENCES

Drawing File: N:\bur-graphics\Projects\2009\1428\09-1428-5007\Drafting\4000\meadowbank - bay-goose (south) dike as-built\4300_0_52.dwg Layout:DENSIFICATION PLAN PHASE 4 (3 OF 4) Monday, December 17, 2012 10:30:18 AM By: RHorlyck





LEGEND

1001	CRATER NUMBER
× 1.01	CRATER DEPTH
3.15	CRATER DIAMETER
○	PHASE 4 CRATER (NOT TO SCALE)
	CORE BACKFILL
	TRENCH BACKFILL LIMIT
– – – –	ASSUMED CORE BACKFILL CREST

NOTES

1. ALL DIMENSIONS ARE IN METRES UNLESS OTHERWISE NOTED.
2. DYNAMIC COMPACTATION SURVEY PROVIDED BY GEOPAC TECH INC.
3. CORE BACKFILL CREST SURVEY NOT AVAILABLE WHERE NOTED, CORE BACKFILL ASSUMED 2.0m FROM CENTERLINE.
4. COMPLETE DENSIFICATION PLATFORM SURVEY NOT AVAILABLE.

0 2.5 5 7.5 10 12.5
SCALE: A

REV	DATE	DES	REVISION DESCRIPTION	CADD	CHK	RVW
0	15DEC12	FA	AS-BUILT	JD	GRB	FE

DRAWING NO. | REFERENCES

STAMP

PROJECT

AEM

AGNICO-EAGLE MINES LIMITED
MEADOWBANK GOLD PROJECT
NUNAVUT

TITLE

BAY-GOOSE DIKE SOUTH PORTION DENSIFICATION PLAN - PHASE 4 (4 OF 4)

Golder Associates

PROJECT No.		09-1428-5007	FILE No.	4300_0_53
DESIGN	FA	15FEB12	SCALE AS SHOWN	REV. 0
CADD	JD	15FEB12	4300-53	
CHECK	GRB	15DEC12		
REVIEW	FE	15DEC12		

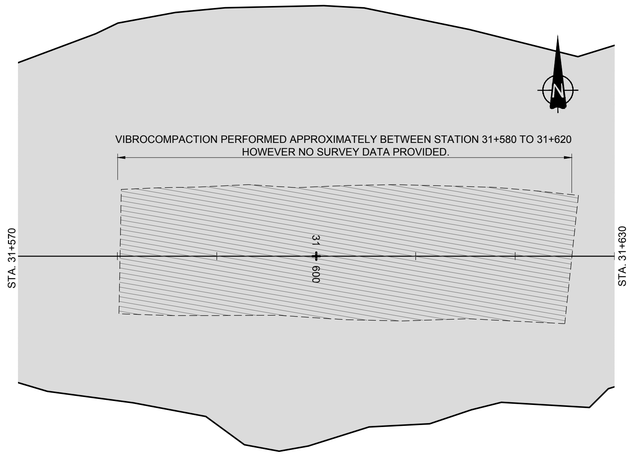
Drawing File: N:\bur-graphics\Projects\2009\1428\09-1428-5007\Drafting\4000\meadowbank - bay-goose (south) dike as-built\4300_0_53.dwg Layout:DENSIFICATION PLAN PHASE 4 (4 OF 4) Monday, December 17, 2012 10:33:05 AM By: RHorlyck

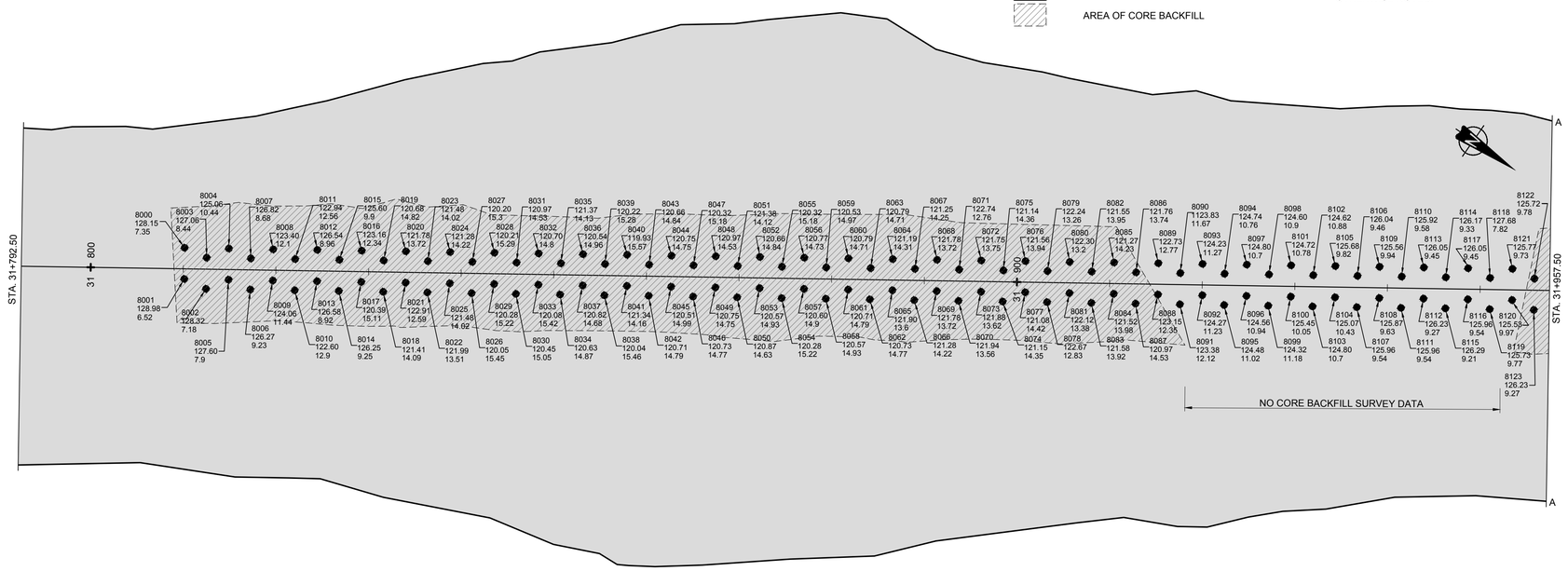
LEGEND

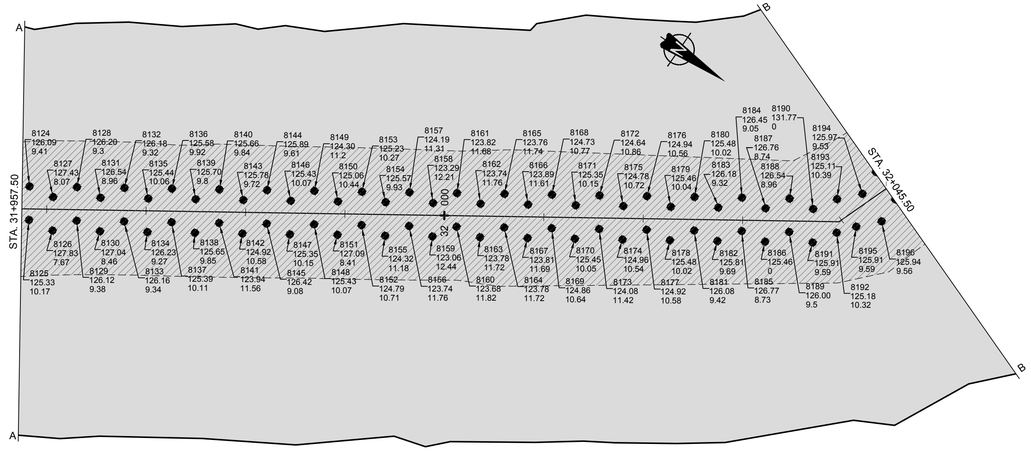
- 8000 / 128.85 / 7.35 — COLUM ID / MAX ELEVATION OF COMPACTION / TOTAL LENGTH COMPACTED
- COLUMN
- TRENCH BACKFILL LIMIT
- AREA OF CORE BACKFILL

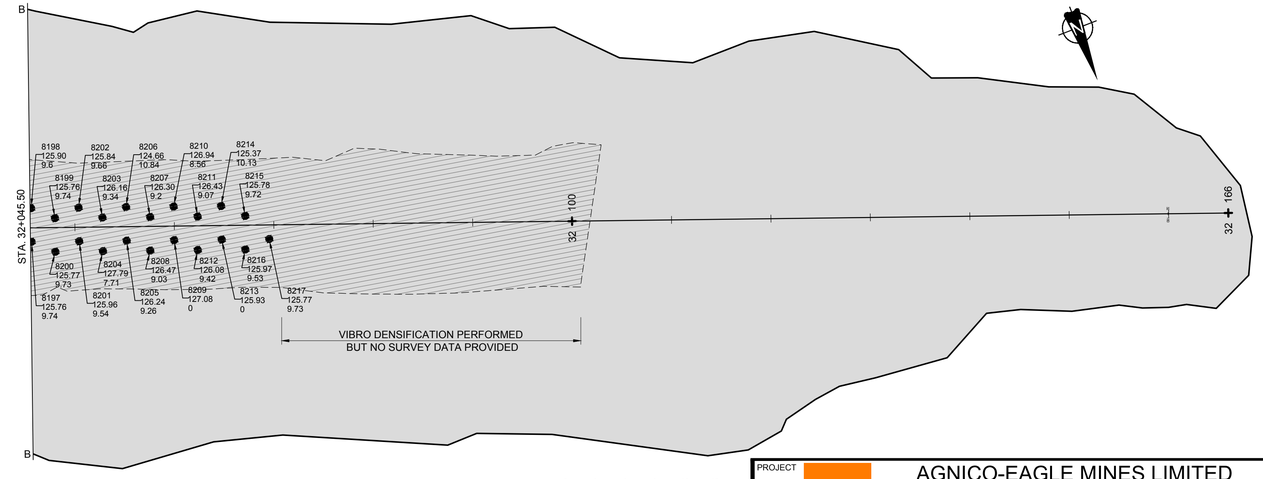
NOTES

1. VIBRO-COMPACTATION SURVEY PROVIDED BY GEOPAC TECH INC.
2. VIBRO-DENSIFICATION (COMPACTION) PERFORMED FROM INITIAL DIKE CREST EEVATION 134.6.
3. CORE BACKFILL ZONE INCREASED FOR VIBRO-DENSIFICATION.
4. ALL DIMENSIONS ARE IN METRES UNLESS OTHERWISE NOTED.









0 3 6 9 12 15
SCALE: A

PROJECT

AEM

AGNICO-EAGLE MINES LIMITED
MEADOWBANK GOLD PROJECT
NUNAVUT

TITLE

BAY-GOOSE DIKE SOUTH PORTION VIBRO COMPACTION PLAN

Golder Associates

PROJECT No.		09-1428-5007	FILE No. 4300_0_54
DESIGN	JU	02MAY10	SCALE AS SHOWN REV. 0
CADD	EA	10MAY10	4300-54
CHECK	GRB	15DEC12	
REVIEW	FE	15DEC12	

STAMP

REV	DATE	DES	REVISION DESCRIPTION	CADD	CHK	RVW
0	15DEC12	FA	AS-BUILT	JD	GRB	FE

DRAWING NO. | REFERENCES

Drawing File: N:\bur-graphics\Projects\2009\1428\09-1428-5007\Drafting\4000\meadowbank - bay-goose (south) dike as-built\4300_0_54.dwg Layout:VIBRO COMPACTION PLAN Wednesday, April 03, 2013 10:31:35 AM By: TYKlassen