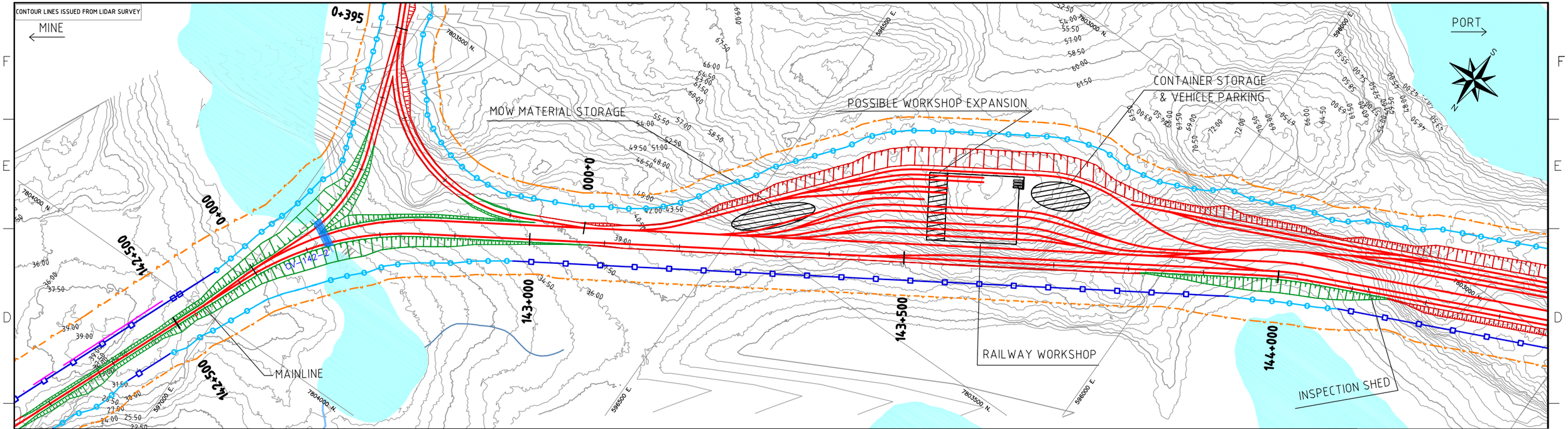

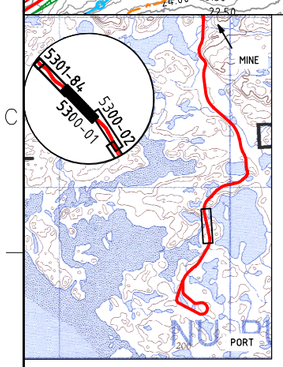

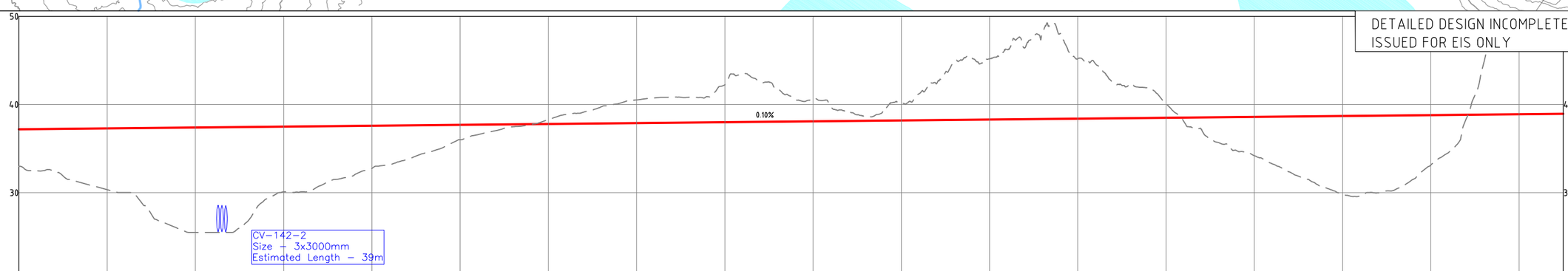

DETAILED DESIGN INCOMPLETE
ISSUED FOR EIS ONLY

RAILWAY PROFILE

STATIONS (Km)	142+500	142+600	142+700	142+800	142+900	143+000	143+100	143+200	143+300	143+400	143+500	143+600	143+700	143+800	143+900	144+000	144+100	144+200
GROUND ELEVATION (m)	32.99	30.34	25.50	30.10	32.76	36.00	38.28	40.52	42.22	40.76	40.14	45.19	45.20	40.07	34.20	29.83	33.14	53.13
TOP OF SUB-BALLAST (m)	37.19	37.29	37.39	37.49	37.59	37.69	37.79	37.89	37.99	38.09	38.19	38.29	38.39	38.49	38.59	38.69	38.79	38.89
FILL (m)	4.20	6.95	11.89	7.38	4.83	1.69									4.39	8.86	5.64	
CUT (m)							0.49	2.63	4.24	2.67	1.95	6.90	6.81	1.59				14.24

NOTES:
- SYMBOL AND R.O.W. DEFINITIONS CAN BE FOUND ON DRAWING A3-159952-5000-121-5001
- SYSTEM METRIC
- PROJECTION: UTM ZONE 17
- HORIZONTAL DATUM: NAD83

LEGEND:
- Approximate Construction Right-of-Way
- 60 m Wide lease Right- of -Way
- Exceptional Width lease Right-of-Way
- Railway
- Access Road
- Access Road Design Profile
- Railway Ground Profile

SCALES
Horizontal: 100m 0 100m
Vertical: 10m 0 10m

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REV	DDMMMYY	REVISION	DR	CHK	APP	APP	APP	APP	ISS	DDMMMYY	APP	ISSUED FOR	REF	NUMBER	TITLE
1	06/12/10	ISSUED FOR DEIS ONLY	LH	CF	DG										
0		PRELIMINARY DESIGN	JL									EIS PURPOSES			

STAMP/SEAL

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Client Mgr. | Engineering Mgr. | Project Mgr.

PROJECT PHASE: LAND PERMIT APPLICATION

AREA: 5100 — RAILWAY PORT TERMINAL

PROJECT NO.: 159952

ACTIVITY NO.:

	BY	DDMMMYY
DSN	JZ	06/12/10
DRN	LZ	06/12/10
CHK	CF	06/12/10
APP		

SCALE: AS SHOWN

PACKAGE CODE:

SUBJECT: MAIN LINE (PORT YARD) PLAN AND PROFILE KP142+500–KP144+250

DRAWING NO.: A3–159952–5100–121–5300–01

REV.: 1

PROJECT NUMBER: 07–036

Baffinland Iron Mines Corporation

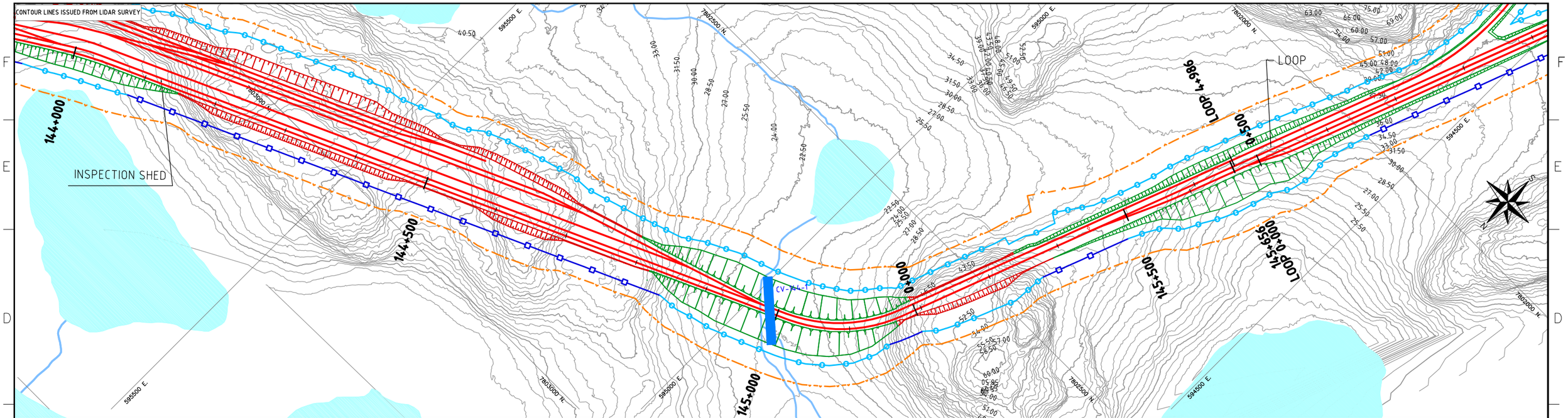
CANARAIL

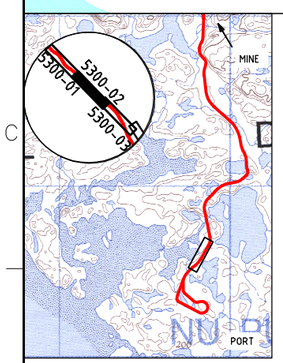
CAD FILE: CAD_FILE

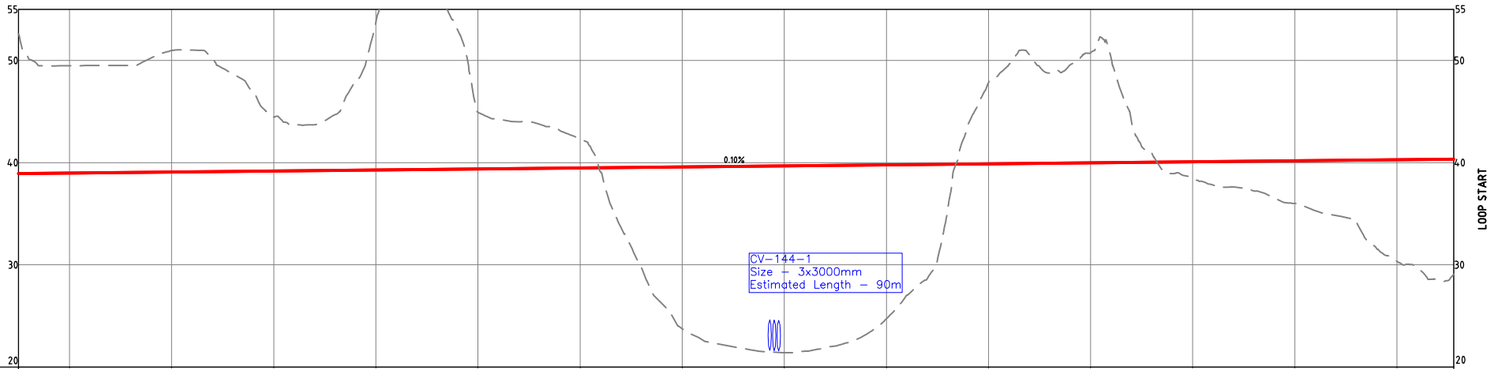
USER: LI ZENG

PLOTTED: 09–Dec–10 4:29 PM

SAVED: 09–Dec–10 4:00 PM







RAILWAY PROFILE

STATIONS (Km)	144+300	144+400	144+500	144+600	144+700	144+800	144+900	145+000	145+100	145+200	145+300	145+400	145+500	145+600	145+655.74
GROUND ELEVATION (m)	49.49	50.97	44.46	53.75	44.94	42.33	23.75	21.39	24.72	47.83	50.75	38.47	36.00	30.34	29.08
TOP OF SUB-BALLAST (m)	38.99	39.09	39.19	39.29	39.39	39.49	39.59	39.69	39.79	39.89	39.99	40.09	40.19	40.29	40.34
FILL (m)							15.84	18.29	15.07			1.61	4.19	9.95	11.26
CUT (m)	10.50	11.89	5.27	14.46	5.55	2.84				7.94	10.77				

NOTES:
- SYMBOL AND R.O.W. DEFINITIONS CAN BE FOUND ON DRAWING A3-159952-5000-121-5001
- SYSTEM METRIC
- PROJECTION: UTM ZONE 17
- HORIZONTAL DATUM: NAD83

LEGEND:
- Approximate Construction Right-of-Way
- 60 m Wide lease Right- of -Way
- Exceptional Width lease Right-of-Way
- Railway
- Access Road
- Access Road Design Profile
- Railway Ground Profile

SCALES
100m 0 100m — Horizontal
10m 0 10m — Vertical

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REV	DDMMMYY	REVISION	DR	CHK	APP	APP	APP	APP	ISS	DDMMMYY	APP	ISSUED FOR	REF	NUMBER	TITLE
1	06/12/10	ISSUED FOR DEIS ONLY	LH	CF	DG							EIS PURPOSES			
0		PRELIMINARY DESIGN	JL												

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Client Mgr. | Engineering Mgr. | Project Mgr.

PROJECT PHASE: LAND PERMIT APPLICATION

PROJECT NO.: 159952 | ACTIVITY NO. | SCALE: AS SHOWN | PACKAGE CODE

	BY	DDMMMYY
DSN	JZ	06/12/10
DRN	LZ	06/12/10
CHK	CF	06/12/10
APP		

Baffinland Iron Mines Corporation

AREA 5100 — RAILWAY PORT TERMINAL

SUBJECT: MAIN LINE (PORT YARD) PLAN AND PROFILE KP144+250–KP145+656

CANARAIL

PROJECT NUMBER: 07-036

DRAWING NO.: A3-159952-5100-121-5300-02 | REV.: 1

CAD FILE: CAD_FILE

PLOTTED: 09-Dec-10 4:30 PM USER: LI ZENG

SAVED: 09-Dec-10 4:00 PM

CONTOUR LINES ISSUED FROM LIDAR SURVEY

MINE

PORT

END POINT FOR Y ALIGNMENT 2

0+395

0+480

END POINT FOR Y ALIGNMENT 1

POSSIBLE WORKSHOP EXPANSION

CONTAINER STORAGE & VEHICLE PARKING

MOW MATERIAL STORAGE

0+000

START POINT FOR Y ALIGNMENT 2

0+000

142+500

143+000

143+500

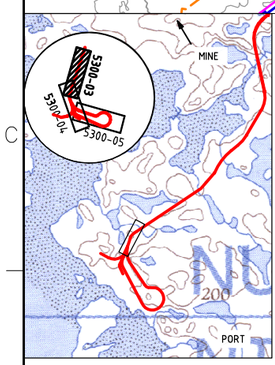
144+000

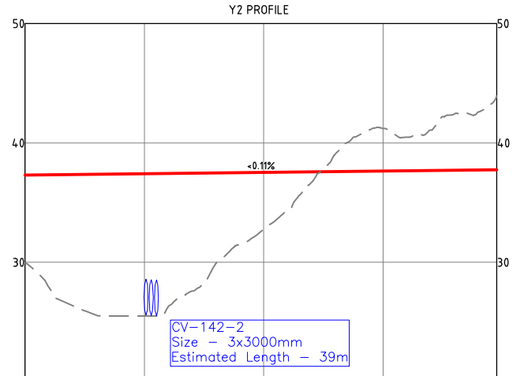
START POINT FOR Y ALIGNMENT 1

RAILWAY WORKSHOP

INSPECTION SHED

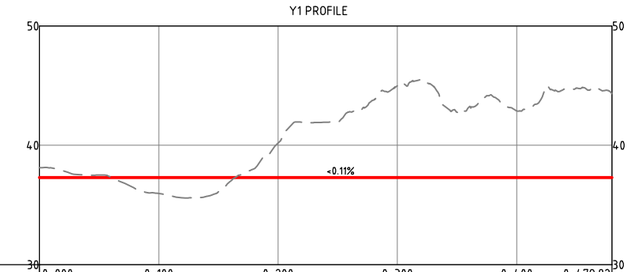
MAIN ALIGNMENT





RAILWAY PROFILE

STATIONS (Km)	0+000	0+100	0+200	0+300	0+395.35
GROUND ELEVATION (m)	29.96	25.50	32.79	41.21	43.93



RAILWAY PROFILE

STATIONS (Km)	0+000	0+100	0+200	0+300	0+400	0+479.82
GROUND ELEVATION (m)	38.14	35.98	40.19	44.99	42.89	44.33

NOTES:
- SYMBOL AND R.O.W. DEFINITIONS CAN BE FOUND ON DRAWING A3-159952-5000-121-5001
- SYSTEM METRIC
- PROJECTION: UTM ZONE 17
- HORIZONTAL DATUM: NAD83

LEGEND:
- Approximate Construction Right-of-Way
- 60 m Wide lease Right- of -Way
- Exceptional Width lease Right-of-Way
- Railway
- Access Road
- Access Road Design Profile
- Railway Ground Profile

SCALES

100m 0 100m — Horizontal

10m 0 10m — Vertical

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REV	DDMMMYY	REVISION	DR	CHK	APP	APP	APP	APP	ISS	DDMMMYY	APP	ISSUED FOR	REF	NUMBER	TITLE
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0		PRELIMINARY DESIGN	JL									EIS PURPOSES			

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Client Mgr. | Engineering Mgr. | Project Mgr.

PROJECT PHASE: LAND PERMIT APPLICATION

AREA 5100: RAILWAY PORT TERMINAL

Baffinland Iron Mines Corporation

CANARAIL

PROJECT NUMBER: 07-036

PROJECT NO.	ACTIVITY NO.		BY	DDMMMYY
159952		DSN	JL	06/12/10
		DRN	LZ	06/12/10
SCALE: AS SHOWN	PACKAGE CODE	CHK	CF	06/12/10
		APP		

SUBJECT: Y1 AND Y2 PLAN AND PROFILE KP0+000-KP0+395 KP0+000-KP0+480

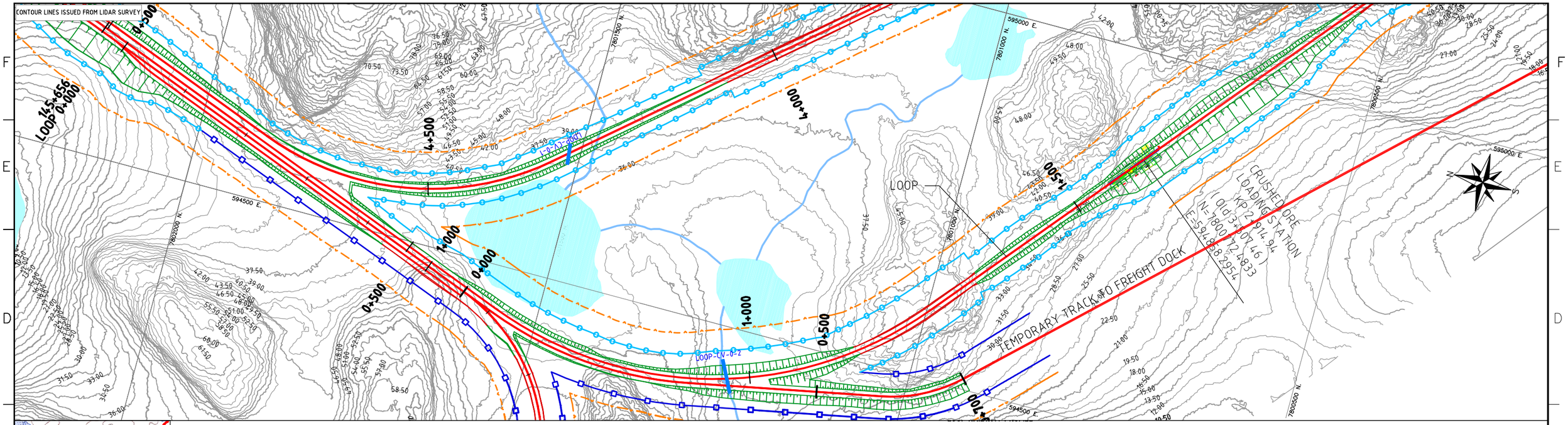
DRAWING NO.: A3-159952-5100-121-5300-03

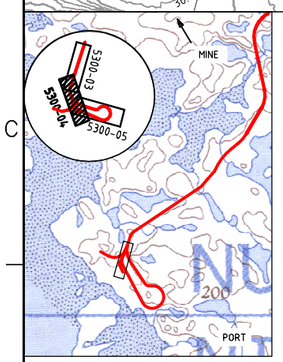
REV.: 1

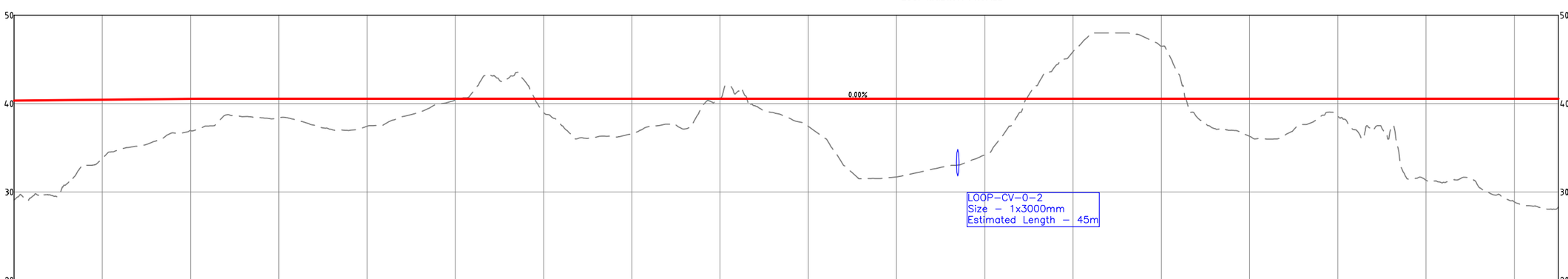
CAD FILE: CAD_FILE

PLOTTED: 09-Dec-10 4:25 PM USER: LI ZENG

SAVED: 09-Dec-10 4:04 PM







RAILWAY PROFILE

STATIONS (Km)	0+000	0+100	0+200	0+300	0+400	0+500	0+600	0+700	0+800	0+900	1+000	1+100	1+200	1+300	1+400	1+500	1+600	1+700
GROUND ELEVATION (m)	29.09	33.79	36.95	38.41	37.42	40.40	39.03	36.58	40.59	37.43	31.71	34.21	45.86	46.49	36.29	38.56	31.32	28.88
TOP OF SUB-BALLAST (m)	40.34	40.44	40.54	40.55	40.55	40.55	40.55	40.55	40.55	40.55	40.55	40.55	40.55	40.55	40.55	40.55	40.55	40.55
FILL (m)	11.16	6.65	3.59	2.14	3.13	0.15	1.52	3.97		3.12	8.84	6.34			4.26	1.99	9.23	11.67
CUT (m)									0.04				5.31	5.94				

NOTES:
- SYMBOL AND R.O.W. DEFINITIONS CAN BE FOUND ON DRAWING A3-159952-5000-121-5001
- SYSTEM METRIC
- PROJECTION: UTM ZONE 17
- HORIZONTAL DATUM: NAD83

LEGEND:
- Approximate Construction Right-of-Way
- 60 m Wide lease Right- of -Way
- Exceptional Width lease Right-of-Way
- Railway
- Access Road
- Access Road Design Profile
- Railway Ground Profile

SCALES
Horizontal: 100m 0 100m
Vertical: 10m 0 10m

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REV	DDMMMYY	REVISION	DR	CHK	APP	APP	APP	APP	ISS	DDMMMYY	APP	ISSUED FOR	REF	NUMBER	TITLE
1	06/12/10	ISSUED FOR DEIS ONLY	LH	CF	DG										
0		PRELIMINARY DESIGN	JL									EIS PURPOSES			

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Client Mgr. | Engineering Mgr. | Project Mgr.

Baffinland Iron Mines Corporation

CANARAIL

PROJECT PHASE: LAND PERMIT APPLICATION

AREA 5100: RAILWAY PORT TERMINAL

PROJECT NUMBER: 07-036

PROJECT NO.	ACTIVITY NO.		BY	DDMMMYY
159952		DSN	JL	06/12/10
		DRN	LZ	06/12/10
SCALE: AS SHOWN	PACKAGE CODE	CHK	CF	06/12/10
		APP		

SUBJECT: PORT LOOP PLAN AND PROFILE KP0+000–KP1+750

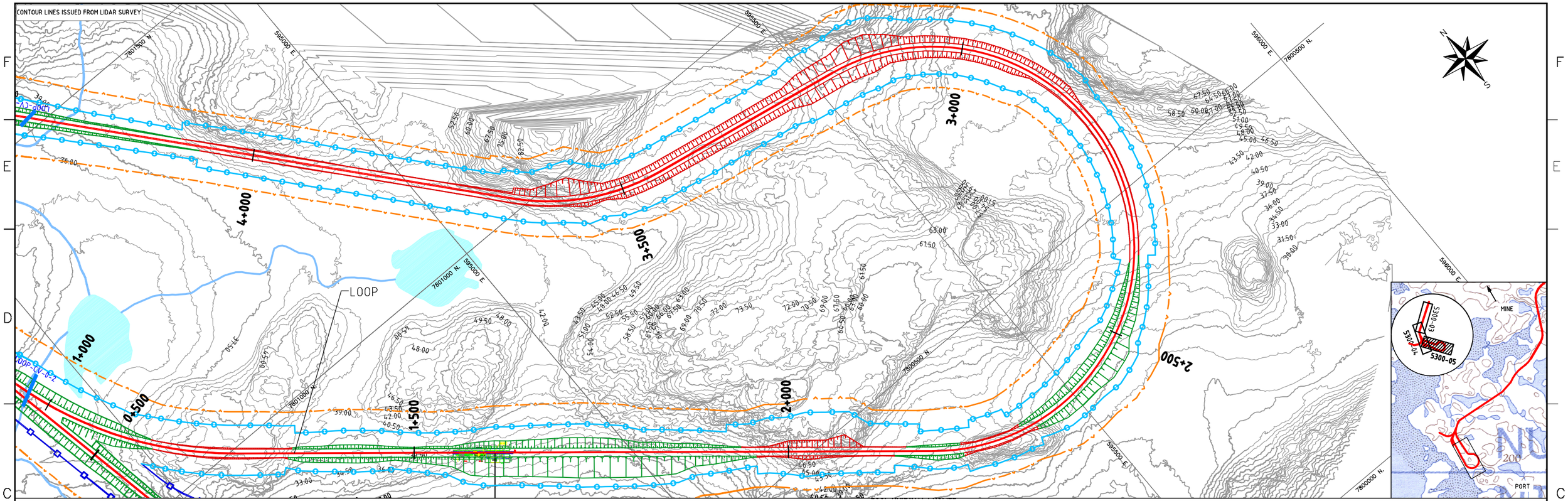
DRAWING NO.: A3–159952–5100–121–5300–04

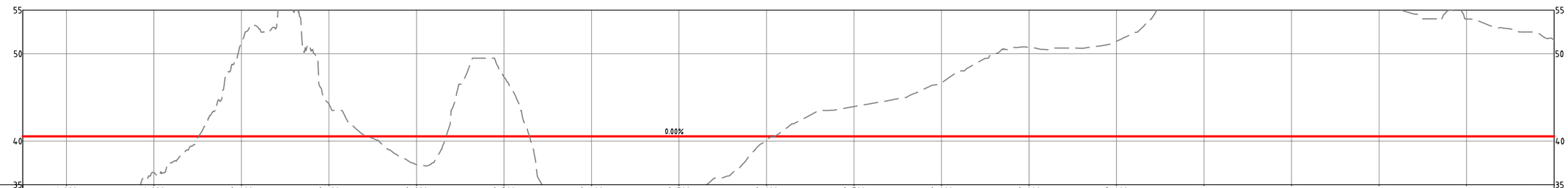
REV.: 1

CAD FILE: CAD_FILE

PLOTTED: 10–Dec–10 9:02 AM USER: LI ZENG

SAVED: 09–Dec–10 4:04 PM





RAILWAY PROFILE

STATIONS (Km)	1+800	1+900	2+000	2+100	2+200	2+300	2+400	2+500	2+600	2+700	2+800	2+900	3+000	3+100	3+200	3+300	3+400	3+500
GROUND ELEVATION (m)	28.88	36.40	51.18	44.24	37.31	47.33	31.81	33.54	40.11	43.96	46.67	50.75	51.43	60.27	64.57	55.72	53.99	51.59
TOP OF SUB-BALLAST (m)	40.55	40.55	40.55	40.55	40.55	40.55	40.55	40.55	40.55	40.55	40.55	40.55	40.55	40.55	40.55	40.55	40.55	40.55
FILL (m)	10.88	4.15			3.24		8.74	7.01	0.44									
CUT (m)	·	·	10.63	3.69		6.78				3.41	6.12	10.20	10.88	19.72	24.02	15.17	13.44	11.04

NOTES:
- SYMBOL AND R.O.W. DEFINITIONS CAN BE FOUND ON DRAWING A3-159952-5000-121-5001
- SYSTEM METRIC
- PROJECTION: UTM ZONE 17
- HORIZONTAL DATUM: NAD83

LEGEND:
- Approximate Construction Right-of-Way
- 60 m Wide lease Right- of -Way
- Exceptional Width lease Right-of-Way
- Railway
- Access Road
- Access Road Design Profile
- Railway Ground Profile

SCALES
100m 0 100m — Horizontal
10m 0 10m — Vertical

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REV	DDMMMYY	REVISION	DR	CHK	APP	APP	APP	APP	ISS	DDMMMYY	APP	ISSUED FOR	REF	NUMBER	TITLE
1	06/12/10	ISSUED FOR DEIS ONLY	LH	CF	DG										
0		PRELIMINARY DESIGN	JL									EIS PURPOSES			

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Client Mgr. Engineering Mgr. Project Mgr.

PROJECT PHASE: LAND PERMIT APPLICATION

AREA 5100: RAILWAY PORT TERMINAL

PROJECT NO. 159952

ACTIVITY NO.

SCALE: AS SHOWN

PACKAGE CODE

	BY	DDMMMYY
DSN	JL	06/12/10
DRN	LZ	06/12/10
CHK	CF	06/12/10
APP		

SUBJECT: PORT LOOP PLAN AND PROFILE KP1+750–KP3+500

DRAWING NO. A3–159952–5100–121–5300–05

REV. 1

PROJECT NUMBER 07–036

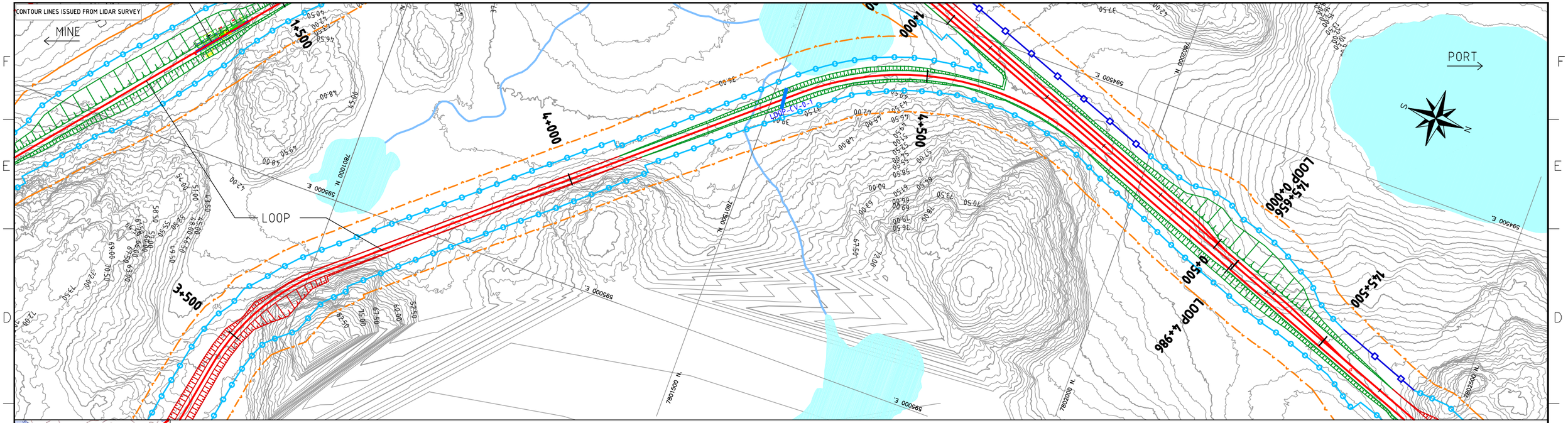
Baffinland Iron Mines Corporation

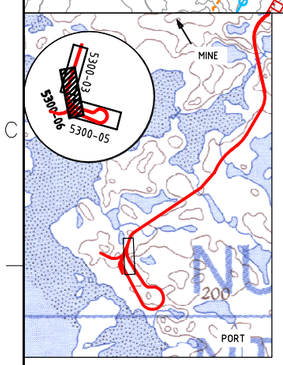
CANARAIL

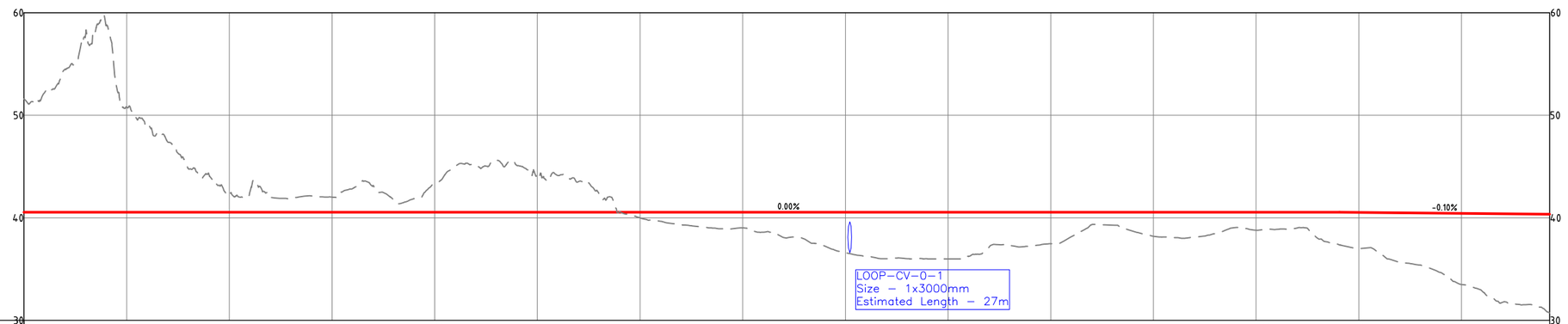
CAD FILE: CAD_FILE

PLOTTED: 10-Dec-10 9:04 AM USER: LI ZENG

SAVED: 09-Dec-10 4:04 PM







RAILWAY PROFILE

STATIONS (Km)	3+500	3+600	3+700	3+800	3+900	4+000	4+100	4+200	4+300	4+400	4+500	4+600	4+700	4+800	4+900	4+985.97
GROUND ELEVATION (m)	51.59	50.80	42.32	42.02	43.31	44.17	40.00	39.01	36.59	36.00	37.48	38.20	38.79	37.00	33.51	29.09
TOP OF SUB-BALLAST (m)	40.55	40.55	40.55	40.55	40.55	40.55	40.55	40.55	40.55	40.55	40.55	40.55	40.55	40.53	40.43	40.34
FILL (m)							0.55	1.54	3.96	4.55	3.07	2.35	1.76	3.53	6.93	11.16
CUT (m)	11.04	10.25	1.77	1.47	2.76	3.62										

NOTES:
- SYMBOL AND R.O.W. DEFINITIONS CAN BE FOUND ON DRAWING A3-159952-5000-121-5001
- SYSTEM METRIC
- PROJECTION: UTM ZONE 17
- HORIZONTAL DATUM: NAD83

LEGEND:
- Approximate Construction Right-of-Way
- 60 m Wide lease Right- of -Way
- Exceptional Width lease Right-of-Way
- Railway
- Access Road
- Access Road Design Profile
- Railway Ground Profile

SCALES
Horizontal: 100m 0 100m
Vertical: 10m 0 10m

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REV	DDMMMYY	REVISION	DR	CHK	APP	APP	APP	APP	ISS	DDMMMYY	APP	ISSUED FOR	REF	NUMBER	TITLE
1	06/12/10	ISSUED FOR DEIS ONLY	LH	CF	DG										
0		PRELIMINARY DESIGN	JL									EIS PURPOSES			

STAMP/SEAL

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Client Mgr. | Engineering Mgr. | Project Mgr.

Baffinland Iron Mines Corporation

CANARAIL

PROJECT PHASE: LAND PERMIT APPLICATION

AREA 5100: RAILWAY PORT TERMINAL

PROJECT NUMBER: 07-036

PROJECT NO.: 159952

ACTIVITY NO.:

	BY	DDMMMYY
DSN	JL	06/12/10
DRN	LZ	06/12/10
CHK	CF	06/12/10
APP		

SUBJECT: PORT LOOP PLAN AND PROFILE KP3+500–KP4+985.97

DRAWING NO.: A3-159952-5100-121-5300-06

REV.: 1

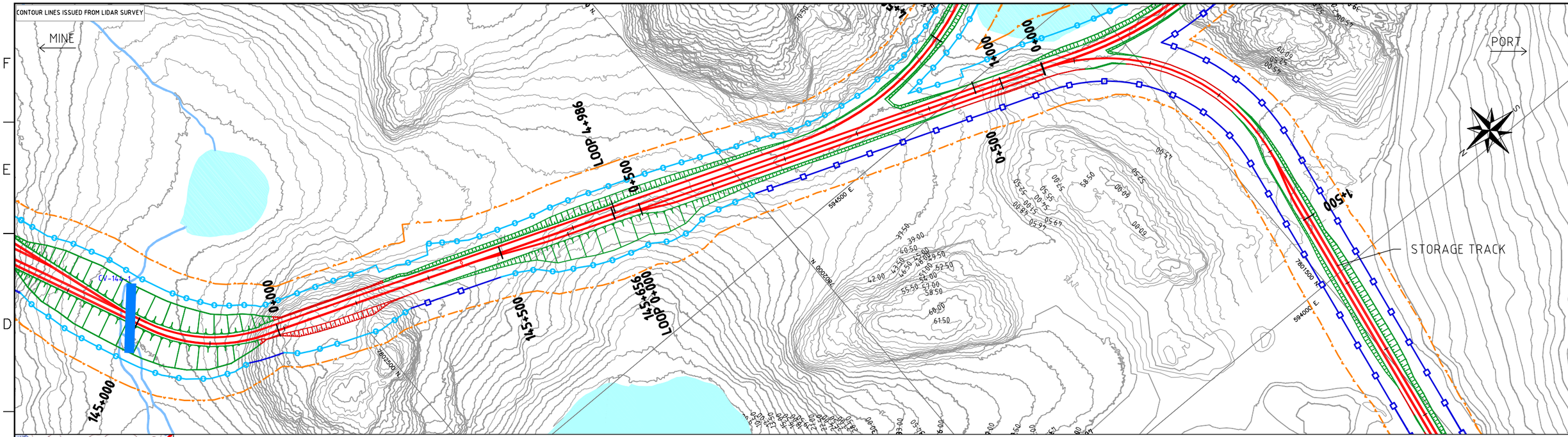
SCALE: AS SHOWN

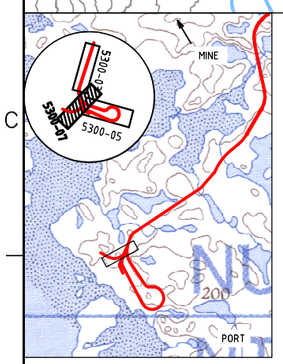
PACKAGE CODE:

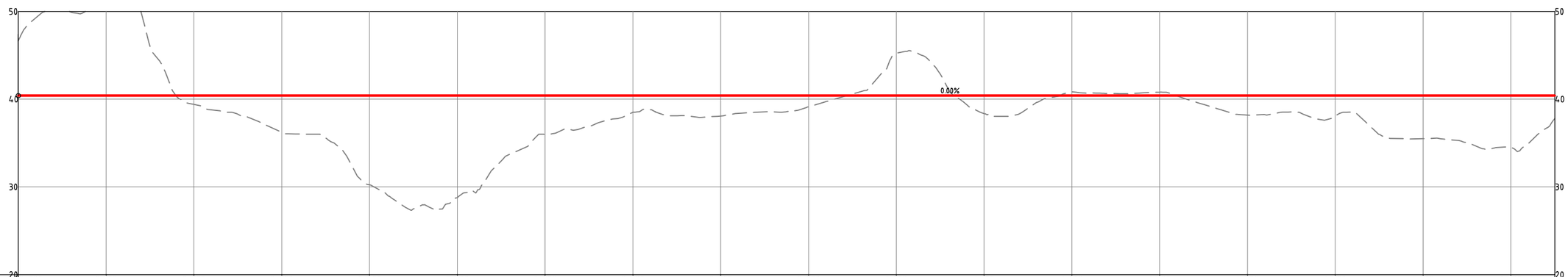
CAD FILE: CAD_FILE

PLOTTED: 09-Dec-10 3:20 PM USER: LI ZENG

SAVED: 09-Dec-10 3:18 PM







RAILWAY PROFILE

STATIONS (Km)	0+000	0+100	0+200	0+300	0+400	0+500	0+600	0+700	0+800	0+900	1+000	1+100	1+200	1+300	1+400	1+500	1+600	1+700
GROUND ELEVATION (m)	46.62	51.54	39.40	36.22	30.23	28.76	35.98	38.50	38.07	39.13	45.25	38.36	40.82	40.80	38.19	38.11	35.49	34.51
TOP OF SUB-BALLAST (m)	40.40	40.40	40.40	40.40	40.40	40.40	40.40	40.40	40.40	40.40	40.40	40.40	40.40	40.40	40.40	40.40	40.40	40.40
FILL (m)			1.00	4.18	10.17	11.64	4.42	1.90	2.33	1.27		2.04			2.21	2.29	4.91	5.89
CUT (m)	6.22	11.14									4.85		0.42	0.40				

NOTES:
- SYMBOL AND R.O.W. DEFINITIONS CAN BE FOUND ON DRAWING A3-159952-5000-121-5001
- SYSTEM METRIC
- PROJECTION: UTM ZONE 17
- HORIZONTAL DATUM: NAD83

LEGEND:
- Approximate Construction Right-of-Way
- 60 m Wide lease Right- of -Way
- Exceptional Width lease Right-of-Way
- Railway
- Access Road
- Access Road Design Profile
- Railway Ground Profile

SCALES
Horizontal: 100m 0 100m
Vertical: 10m 0 10m

DEVELOPMENT OF THIS DRAWING IS BASED ON PRELIMINARY TOPOGRAPHICAL AND GEOTECHNICAL INFORMATION ADEQUATE FOR PRELIMINARY DESIGN ONLY. IT SHOULD NOT BE USED FOR CONSTRUCTION OR ANY OTHER PURPOSES.

REV	DDMMMYY	REVISION	DR	CHK	APP	APP	APP	APP	ISS	DDMMMYY	APP	ISSUED FOR	REF	NUMBER	TITLE
1	06/12/10	ISSUED FOR DEIS ONLY	LH	CF	DG										
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Client Mgr. | Engineering Mgr. | Project Mgr.

PROJECT PHASE: LAND PERMIT APPLICATION

PROJECT NO.: 159952

ACTIVITY NO.:

SCALE: AS SHOWN

PACKAGE CODE:

	BY	DDMMMYY
DSN	JZ	06/12/10
DRN	LZ	06/12/10
CHK	CF	06/12/10
APP		

Baffinland Iron Mines Corporation

AREA: 5100 — RAILWAY PORT TERMINAL

SUBJECT: PORT STORAGE TRACK PLAN AND PROFILE KP0+000–KP1+800

CANARAIL

PROJECT NUMBER: 07–036

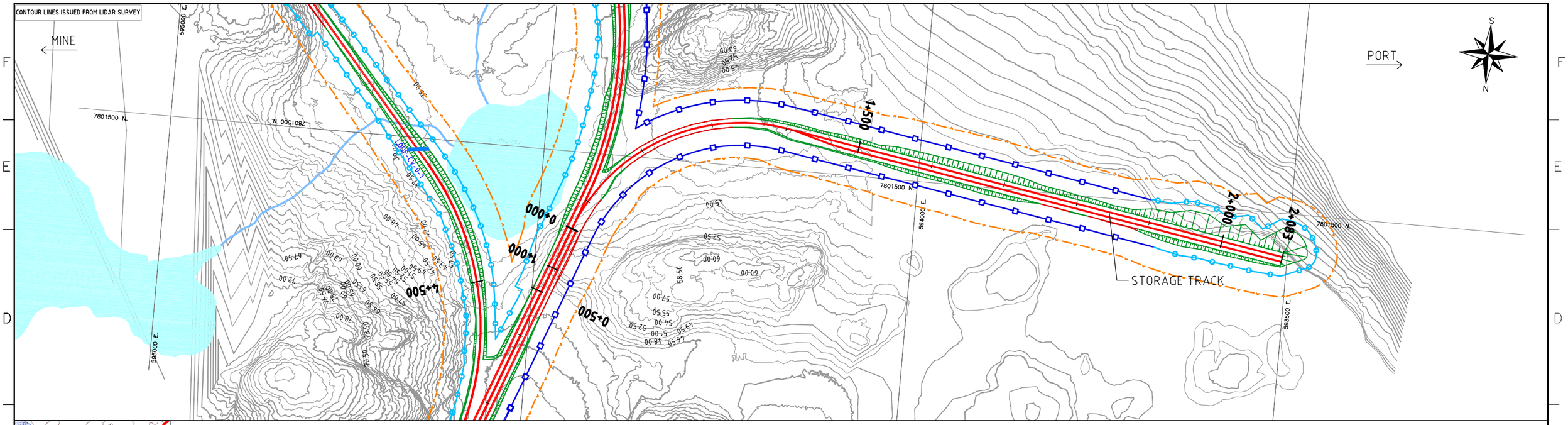
DRAWING NO.: A3–159952–5100–121–5300–07

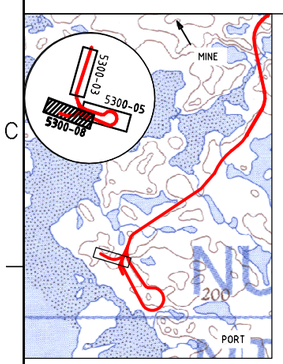
REV.: 1

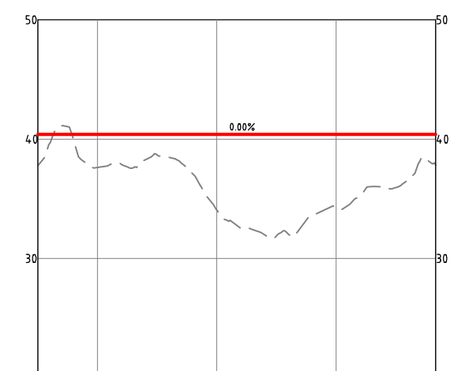
CAD FILE: CAD_FILE

PLOTTED: 10–Dec–10 9:06 AM USER: U ZENG

SAVED: 09–Dec–10 4:04 PM







RAILWAY PROFILE

STATIONS (Km)	1+800	1+900	2+000	2+083.39
GROUND ELEVATION (m)	37.62	34.07	34.31	37.81
TOP OF SUB-BALLAST (m)	40.40	40.40	40.40	40.40
FILL (m)	2.78	6.33	6.09	2.59
CUT (m)				

NOTES:
- SYMBOL AND R.O.W. DEFINITIONS CAN BE FOUND ON DRAWING A3-159952-5000-121-5001
- SYSTEM METRIC
- PROJECTION: UTM ZONE 17
- HORIZONTAL DATUM: NAD83

LEGEND:
- Approximate Construction Right-of-Way
- 60 m Wide lease Right- of -Way
- Exceptional Width lease Right-of-Way
- Railway
- Access Road
- Access Road Design Profile
- Railway Ground Profile

SCALES

100m 0 100m — Horizontal

10m 0 10m — Vertical

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REV	DDMMMYY	REVISION	DR	CHK	APP	APP	APP	APP	ISS	DDMMMYY	APP	ISSUED FOR	REF	NUMBER	TITLE
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Client Mgr. | Engineering Mgr. | Project Mgr.

PROJECT PHASE: LAND PERMIT APPLICATION

AREA 5100: RAILWAY PORT TERMINAL

PROJECT NO. 159952 | ACTIVITY NO. | SCALE AS SHOWN | PACKAGE CODE

	BY	DDMMMYY
DSN	JZ	06/12/10
DRN	LZ	06/12/10
CHK	CF	06/12/10
APP		

SUBJECT: PORT STORAGE TRACK PLAN AND PROFILE KP1+800–KP2+083

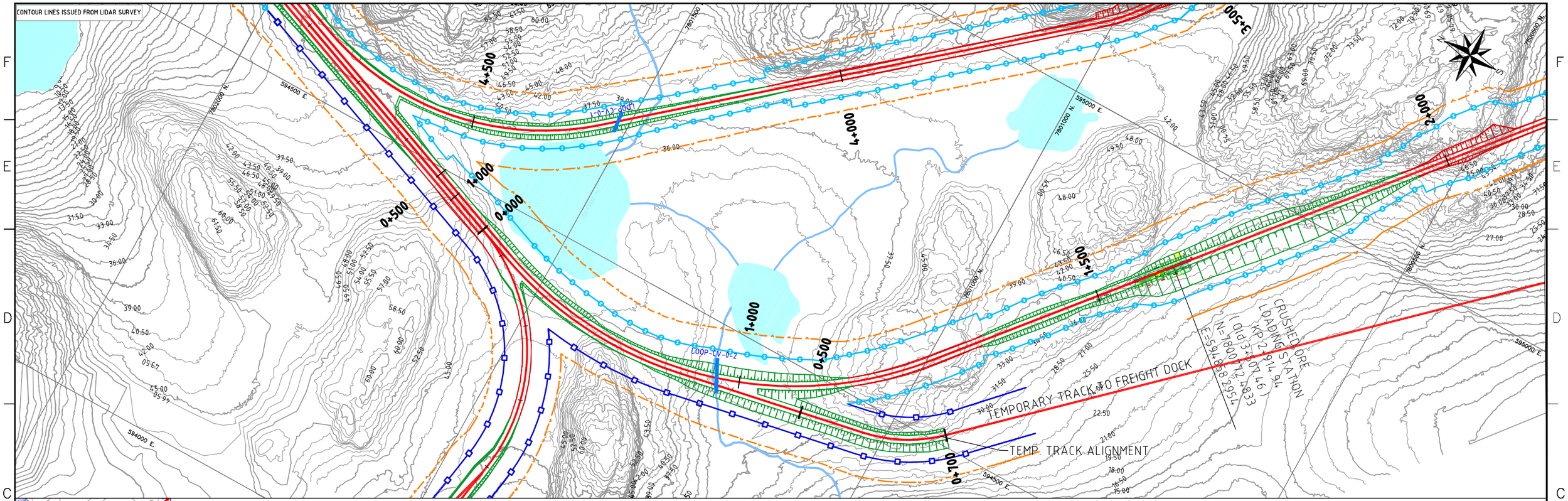
PROJECT NUMBER 07–036

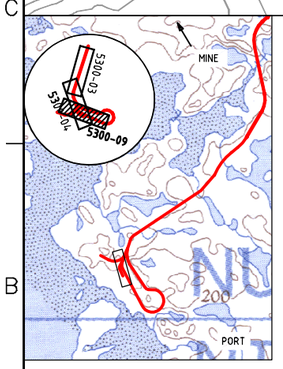
DRAWING NO. A3–159952–5100–121–5300–08 | REV. 1

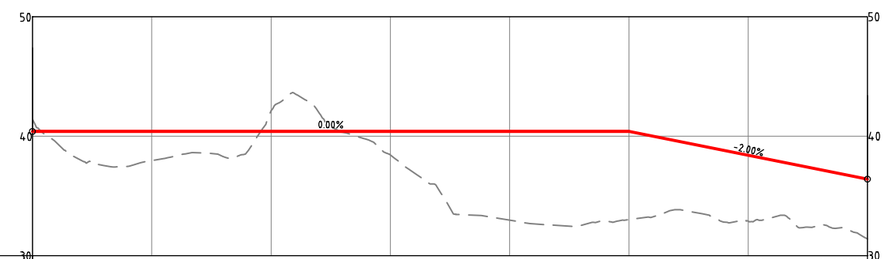
CAD FILE: CAD_FILE

PLOTTED: 10–Dec–10 9:08 AM USER: LI ZENG

SAVED: 09–Dec–10 4:04 PM







RAILWAY PROFILE

STATIONS (Km)	0+000	0+100	0+200	0+300	0+400	0+500	0+600	0+699.86
GROUND ELEVATION (m)	41.42	37.97	42.13	38.43	32.97	33.02	32.89	31.39
TOP OF SUB-BALLAST (m)	40.40	40.40	40.40	40.40	40.40	40.40	38.40	36.40
FILL (m)		2.43		1.97	7.43	7.38	5.51	5.01
CUT (m)	1.02		1.73					

NOTES:
- SYMBOL AND R.O.W. DEFINITIONS CAN BE FOUND ON DRAWING A3-159952-5000-121-5001
- SYSTEM METRIC
- PROJECTION: UTM ZONE 17
- HORIZONTAL DATUM: NAD83

LEGEND:
- Approximate Construction Right-of-Way
- 60 m Wide lease Right- of -Way
- Exceptional Width lease Right-of-Way
- Railway
- Access Road
- Access Road Design Profile
- Railway Ground Profile

SCALES
100m 0 100m — Horizontal
10m 0 10m — Vertical

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REV	DDMMMYY	REVISION	DR	CHK	APP	APP	APP	APP	ISS	DDMMMYY	APP	ISSUED FOR	REF	NUMBER	TITLE
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Client Mgr. Engineering Mgr. Project Mgr.

PROJECT PHASE: LAND PERMIT APPLICATION

PROJECT NO.: 159952

ACTIVITY NO.

SCALE: AS SHOWN

PACKAGE CODE

	BY	DDMMMYY
DSN	JZ	06/12/10
DRN	LZ	06/12/10
CHK	CF	06/12/10
APP		

Baffinland Iron Mines Corporation

AREA: 5100 — RAILWAY PORT TERMINAL

SUBJECT: TEMP. TRACK PLAN AND PROFILE KP0+000–KP0+700

CANARAIL

PROJECT NUMBER: 07–036

DRAWING NO.: A3–159952–5100–121–5300–09

REV.: 1

CAD FILE: CAD_FILE

PLOTTED: 10–Dec–10 9:10 AM USER: LI ZENG

SAVED: 09–Dec–10 4:04 PM