GENERAL INFORMATION

A1-159952-5000-122-6000-00. STRUCTURE LIST

SITE-SPECIFIC DRAWINGS

A1-159952-5300-122-6100-01. BR-MR-12/18 GENERAL PLAN AND ELEVATION
A1-159952-5300-122-6100-02. BR-MR-12/18 FOUNDATION LAYOUT
A1-159952-5300-122-6100-03. BR-MR-12/18 PHOTO MOSAIC
A1-159952-5300-122-6100-04. BR-MR-12/18 SITE PHOTOS
A1-159952-5200-122-6200-01. BR-008-1 GENERAL PLAN AND ELEVATION
A1-159952-5200-122-6200-02. BR-008-1 FOUNDATION LAYOUT
A1-159952-5200-122-6200-03. BR-008-1 PHOTO MOSAIC
A1-159952-5200-122-6200-04. BR-008-1 SITE PHOTOS
A1-159952-5200-122-6201-01. CV-008-1 GENERAL PLAN AND ELEVATION
A1-159952-5200-122-6201-02. CV-008-1 FOUNDATION LAYOUT
A1-159952-5200-122-6201-03. CV-008-1 PHOTO MOSAIC
A1-159952-5200-122-6201-04. CV-008-1 SITE PHOTOS
A1-159952-5200-122-6202-01. BR-011-1 GENERAL PLAN AND ELEVATION
A1-159952-5200-122-6202-02. BR-011-1 FOUNDATION LAYOUT
A1-159952-5200-122-6202-03. BR-011-1 PHOTO MOSAIC
A1-159952-5200-122-6202-04. BR-011-1 SITE PHOTOS
A1-159952-5200-122-6203-01. BR-025-1 GENERAL PLAN AND ELEVATION
A1-159952-5200-122-6203-02. BR-025-1 FOUNDATION LAYOUT
A1-159952-5200-122-6203-03. BR-025-1 PHOTO MOSAIC
A1-159952-5200-122-6203-04. BR-025-1 SITE PHOTOS
A1-159952-5200-122-6204-01. BR-035-1 GENERAL PLAN AND ELEVATION
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A1-159952-5200-122-6204-03. BR-035-1 PHOTO MOSAIC
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A1-159952-5200-122-6205-01. BR-036-1 GENERAL PLAN AND ELEVATION
A1-159952-5200-122-6205-02. BR-036-1 FOUNDATION LAYOUT
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A1-159952-5200-122-6205-04. BR-036-1 SITE PHOTOS
A1-159952-5200-122-6206-01. BR-037-1 GENERAL PLAN AND ELEVATION
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A1-159952-5200-122-6206-04. BR-037-1 SITE PHOTOS
A1-159952-5200-122-6207-01. BR-046-1 GENERAL PLAN AND ELEVATION
A1-159952-5200-122-6207-02. BR-046-1 FOUNDATION LAYOUT
A1-159952-5200-122-6207-03. BR-046-1 PHOTO MOSAIC
A1-159952-5200-122-6207-04. BR-046-1 SITE PHOTOS
A1-159952-5200-122-6208-01. CV-051-2 GENERAL PLAN AND ELEVATION
A1-159952-5200-122-6208-02. CV-051-2 FOUNDATION LAYOUT
A1-159952-5200-122-6208-03. CV-051-2 PHOTO MOSAIC
A1-159952-5200-122-6208-04. CV-051-2 SITE PHOTOS
A1-159952-5200-122-6209-01. BR-059-1 GENERAL PLAN AND ELEVATION
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A1-159952-5200-122-6210-01. CV-075-2 GENERAL PLAN AND ELEVATION
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A1-159952-5200-122-6210-04. CV-075-2 SITE PHOTOS
A1-159952-5200-122-6211-01. CV-076-1 GENERAL PLAN AND ELEVATION
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A1-159952-5200-122-6211-03. CV-076-1 PHOTO MOSAIC
A1-159952-5200-122-6211-04. CV-076-1 SITE PHOTOS
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A1-159952-5200-122-6213-01. CV-076-3 GENERAL PLAN AND ELEVATION
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A1-159952-5200-122-6218-01. BR-096-1 GENERAL PLAN AND ELEVATION
A1-159952-5200-122-6218-02. BR-096-1 FOUNDATION LAYOUT
A1-159952-5200-122-6218-03. BR-096-1 PHOTO MOSAIC
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A1-159952-5200-122-6219-03. BR-096-2 PHOTO MOSAIC
A1-159952-5200-122-6219-04. BR-096-2 SITE PHOTOS
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A1-159952-5200-122-6221-04. BR-105-1 SITE PHOTOS
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A1-159952-5200-122-6222-02. CV-111-1 FOUNDATION LAYOUT
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A1-159952-5200-122-6222-04. CV-111-1 SITE PHOTOS
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A1-159952-5200-122-6223-03. CV-123-3 PHOTO MOSAIC
A1-159952-5200-122-6223-04. CV-123-3 SITE PHOTOS
A1-159952-5200-122-6224-01. CV-123-4 GENERAL PLAN AND ELEVATION
A1-159952-5200-122-6224-02. CV-123-4 FOUNDATION LAYOUT
A1-159952-5200-122-6224-03. CV-123-4 PHOTO MOSAIC
A1-159952-5200-122-6224-04. CV-123-4 SITE PHOTOS
A1-159952-5200-122-6225-01. CV-124-2 GENERAL PLAN AND ELEVATION
A1-159952-5200-122-6225-02. CV-124-2 FOUNDATION LAYOUT
A1-159952-5200-122-6225-03. CV-124-2 PHOTO MOSAIC
A1-159952-5200-122-6225-04. CV-124-2 SITE PHOTOS
A1-159952-5200-122-6226-01. BR-124-2 GENERAL PLAN AND ELEVATION
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A1-159952-5200-122-6226-04. BR-124-2 SITE PHOTOS
A1-159952-5200-122-6227-01. BR-137-1 GENERAL PLAN AND ELEVATION
A1-159952-5200-122-6227-02. BR-137-1 FOUNDATION LAYOUT
A1-159952-5200-122-6227-03. BR-137-1 PHOTO MOSAIC
A1-159952-5200-122-6227-04. BR-137-1 SITE PHOTOS
A1-159952-5200-122-6228-01. BR-141-1 GENERAL PLAN AND ELEVATION
A1-159952-5200-122-6228-02. BR-141-1 FOUNDATION LAYOUT
A1-159952-5200-122-6228-03. BR-141-1 PHOTO MOSAIC
A1-159952-5200-122-6228-04. BR-141-1 SITE PHOTOS

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 PURPOSE.

REV	DDMMMYY	REVISION	DR	CHK	APP	APP	APP	APP	ISS	DDMMMYY	APP	ISSUED FOR
1	30SEP11	ISSUED FOR ENVIRONMENTAL IMPACT STATEMENT (EIS)										
0	30SEP08	ISSUED FOR ENVIRONMENTAL IMPACT STATEMENT (EIS)										

REF	NUMBER	TITLE

REFERENCES

STAMP/SEAL

Client Mgr. Engineering Mgr. Project Mgr.

PROJECT PHASE: LAND PERMIT APPLICATION

PROJECT NO.	ACTIVITY NO.		BY	DDMMMYY
		DSN	KGW	01AUG11
		DRN	RCB	01AUG11
		CHK	JAS	01SEPT11
		APP		

SCALE: AS NOTED

PACKAGE CODE

Baffinland Iron Mines Corporation

AREA: 5000

GENERAL

SUBJECT: DRAWING LIST

CANARAIL

DILLON CONSULTING

PROJECT NUMBER

DRAWING NO.

REV.

CAD FILE:

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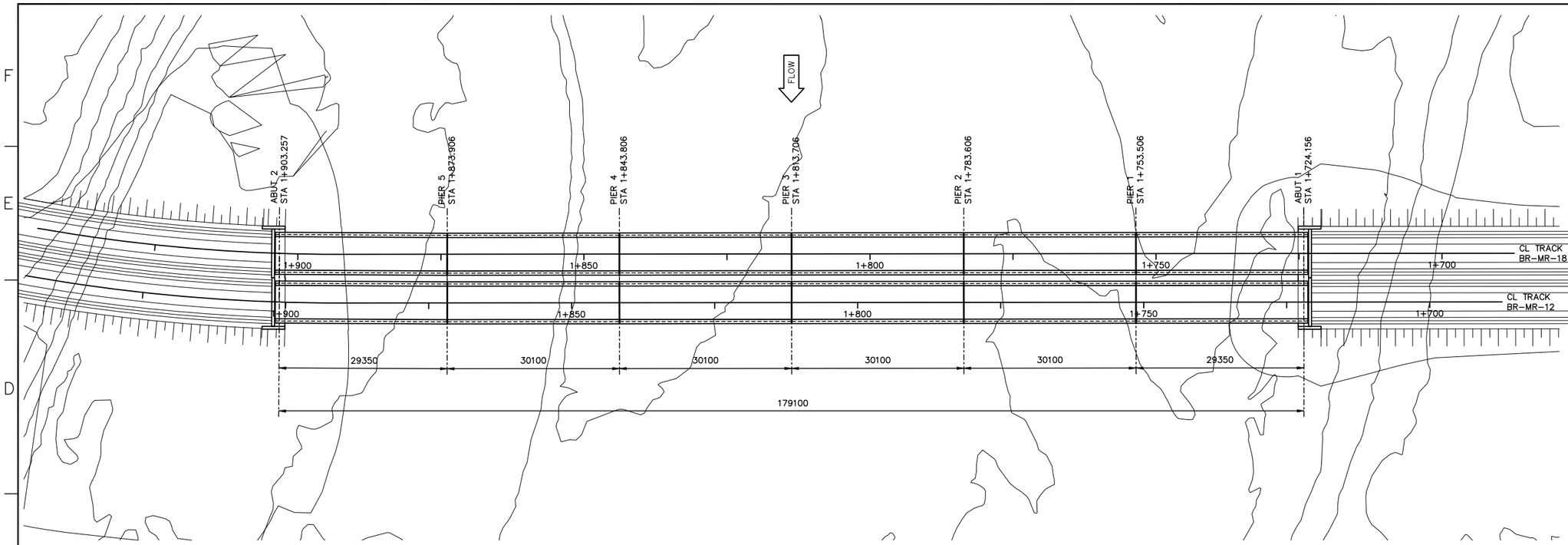

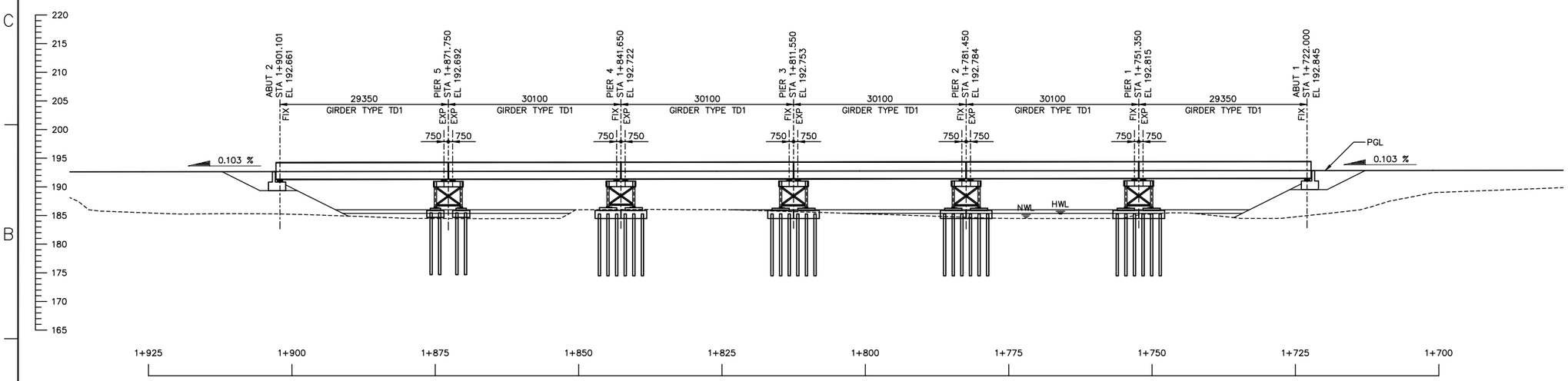

NOTES

1. STRUCTURES SHOWN ON THIS DRAWING ARE SCHEMATIC ONLY. REFER TO DETAIL SHEETS IN OTHER SECTIONS OF THE DRAWING SET FOR MORE INFORMATION.
2. CONTOURS SHOWN ON THIS DRAWING REPRESENT EXISTING GRADE ONLY.
3. THE REFERENCE POINT LOCATING THIS STRUCTURE IS AT THE INTERSECTION BETWEEN THE ALIGNMENT REFERENCE LINE AND THE LOW STATION ABUTMENT BEARING CENTERLINE.

   THIS POINT IS LOCATED AS FOLLOWS:

   STRUCTURE BR-MR-12:

   STA 1+722.000

   E 562767.983 N 7911927.219 ZONE 17W

   LATITUDE 71°18'05.184" N

   LONGITUDE 79°14'44.030" W

   STRUCTURE BR-MR-18:

   STA 1+724.156

   E 562770.350 N 7911935.383 ZONE 17W

   LATITUDE 71°18'05.445" N

   LONGITUDE 79°14'43.768" W
4. STATIONS ON THE ELEVATION ARE GIVEN BASED ON STRUCTURE BR-MR-12. STRUCTURE BR-MR-18 IS LOCATED DIRECTLY IN LINE WITH STRUCTURE BR-MR-12 WHICH RESULTS IN A STATION OFFSET OF 2.156 METERS BETWEEN THE STRUCTURES (STA 1+722.000 ON BR-MR-12 = STA 1+724.156 ON BR-MR-18).
5. ALL DIMENSIONS ARE GIVEN ALONG THE CONTROL LINE UNO. THE CONTROL LINE IS ALSO THE PROFILE GRADE LINE (PGL) AND IS LOCATED AT CENTERLINE TRACK / TOP OF SUB-BALLAST.
6. THE WATERCOURSE CROSSED BY THIS STRUCTURE IS MARY RIVER.
7. THIS CROSSING IS DEFINED AS NON-NAVIGABLE.
8. FISH HABITAT RATING IS 'IMPORTANT'.
9. HIGH WATER LEVEL (HWL) = 186.000

   HWL FREEBOARD = 5.201 METERS
10. NORMAL WATER LEVEL (NWL) = 185.380

    NWL FREEBOARD = 5.821 METERS
11. RIP-RAP PROTECTIVE ARMOURING FOR THE ABUTMENTS MAY BE REQUIRED. THE NEED FOR AND THE EXTENT OF THIS PROTECTION WILL BE ASSESSED AND ENGINEERED IN THE FIELD AFTER FILL PLACEMENT HAS BEEN COMPLETED.

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REV	DDMMMYY	REVISION	DR	CHK	APP	APP	APP	APP	ISS	DDMMMYY	APP	ISSUED FOR
1	30SEP11	ISSUED FOR ENVIRONMENTAL IMPACT STATEMENT (EIS)										
0	30SEP08	ISSUED FOR ENVIRONMENTAL IMPACT STATEMENT (EIS)										

REF	NUMBER	TITLE

REFERENCES

STAMP/SEAL

Client Mgr. Engineering Mgr. Project Mgr.

PROJECT PHASE: LAND PERMIT APPLICATION

AREA: 5300

Baffinland Iron Mines Corporation

RAILWAY MINE TERMINAL

CANARAIL

DILLON CONSULTING

PROJECT NUMBER: 1010010

PROJECT NO.	ACTIVITY NO.		BY	DDMMMYY
		DSN	KGW	01AUG11
		DRN	RCB	01AUG11
		CHK	JAS	01SEPT11
		APP		

SCALE: 1:400

PACKAGE CODE:

SUBJECT: BR-MR-12/18 GENERAL PLAN AND ELEVATION

DRAWING NO.: A1-159952-5300-122-6100-01

REV.:

CAD FILE:

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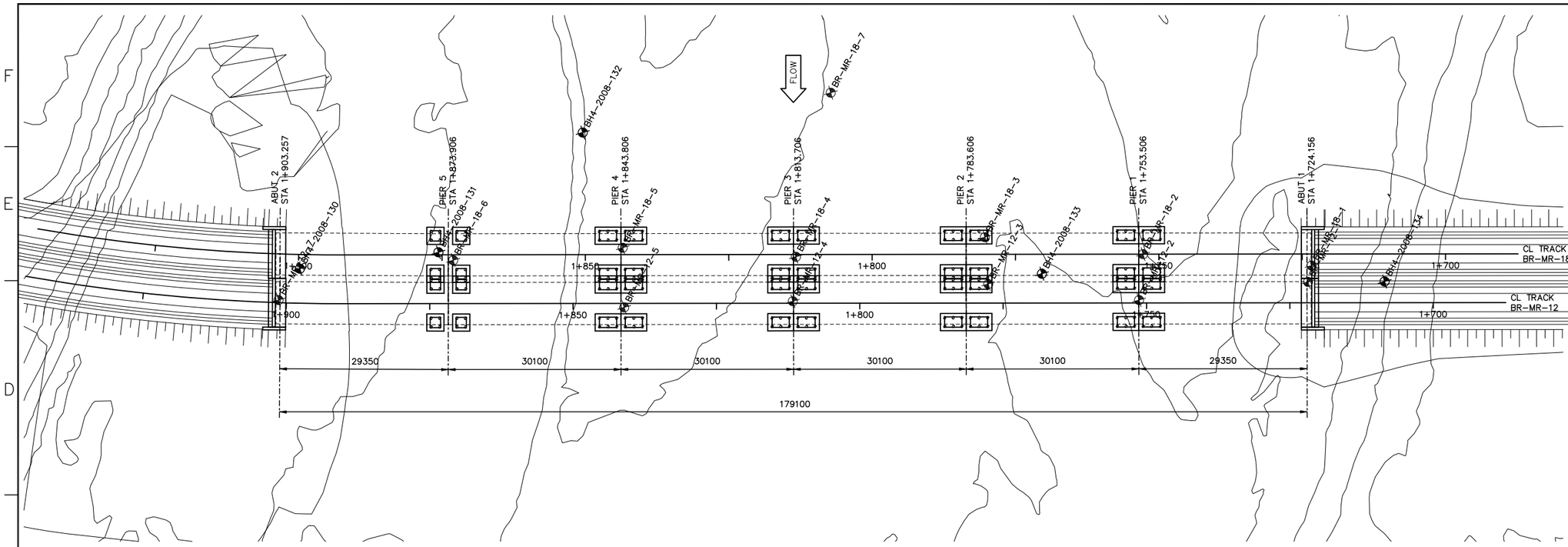

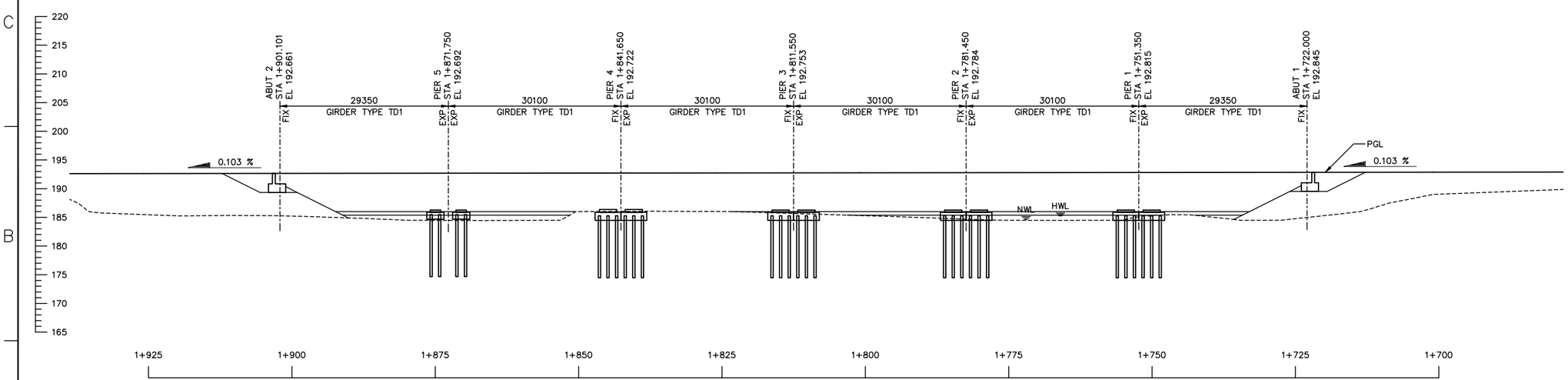

LEGEND

APPROXIMATE BOREHOLE LOCATION. SEE GEOTECHNICAL REPORT FOR EXACT LOCATION AND ADDITIONAL INFORMATION.

APPROXIMATE BEDROCK ELEVATION. SEE GEOTECHNICAL REPORT FOR EXACT ELEVATION AND ADDITIONAL INFORMATION.

BOREHOLES

ALL VALUES GIVEN BELOW ARE APPROXIMATE.

BOREHOLE	STATION	OFFSET	BEDROCK ELEV'N
BH4-2008-130	1+898	6 R	188.0
BH4-2008-131	1+873	9 R	182.0
BH4-2008-132	1+848	30 R	178.0
BH4-2008-133	1+768	5 R	177.0
BH4-2008-134	1+708	4 R	185.0
BR-MR-12-1	1+722	4 R	182.3
BR-MR-12-2	1+751	0 R	183.3
BR-MR-12-3	1+778	3 R	179.6
BR-MR-12-4	1+812	0 R	180.1
BR-MR-12-5	1+841	1 L	178.4
BR-MR-12-7	1+901	0 R	180.7
BR-MR-18-1	1+721	6 R	182.6
BR-MR-18-2	1+751	8 R	181.2
BR-MR-18-3	1+778	11 R	181.3
BR-MR-18-4	1+811	8 R	179.4
BR-MR-18-5	1+841	10 R	178.5
BR-MR-18-6	1+871	8 R	176.6
BR-MR-18-7	1+805	37 R	177.4

NOTES

1. STRUCTURES SHOWN ON THIS DRAWING ARE SCHEMATIC ONLY. REFER TO DETAIL SHEETS IN OTHER SECTIONS OF THE DRAWING SET FOR MORE INFORMATION.
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REV	DDMMMYY	REVISION	DR	CHK	APP	APP	APP	APP	ISS	DDMMMYY	APP	ISSUED FOR
1	30SEP11	ISSUED FOR ENVIRONMENTAL IMPACT STATEMENT (EIS)										
0	30SEP08	ISSUED FOR ENVIRONMENTAL IMPACT STATEMENT (EIS)										

REF	NUMBER	TITLE

REFERENCES

STAMP/SEAL

Client Mgr. | Engineering Mgr. | Project Mgr.

PROJECT PHASE: LAND PERMIT APPLICATION

AREA: 5300

Baffinland Iron Mines Corporation

RAILWAY MINE TERMINAL

PROJECT NO. | ACTIVITY NO. | SCALE: 1:400 | PACKAGE CODE

	BY	DDMMMYY
DSN	KGW	01AUG11
DRN	RCB	01AUG11
CHK	JAS	01SEPT11
APP		

SUBJECT: BR-MR-12/18 FOUNDATION LAYOUT

CANARAIL

PROJECT NUMBER 1010020

DILLON CONSULTING

DRAWING NO. A1-159952-5300-122-6100-02

REV.

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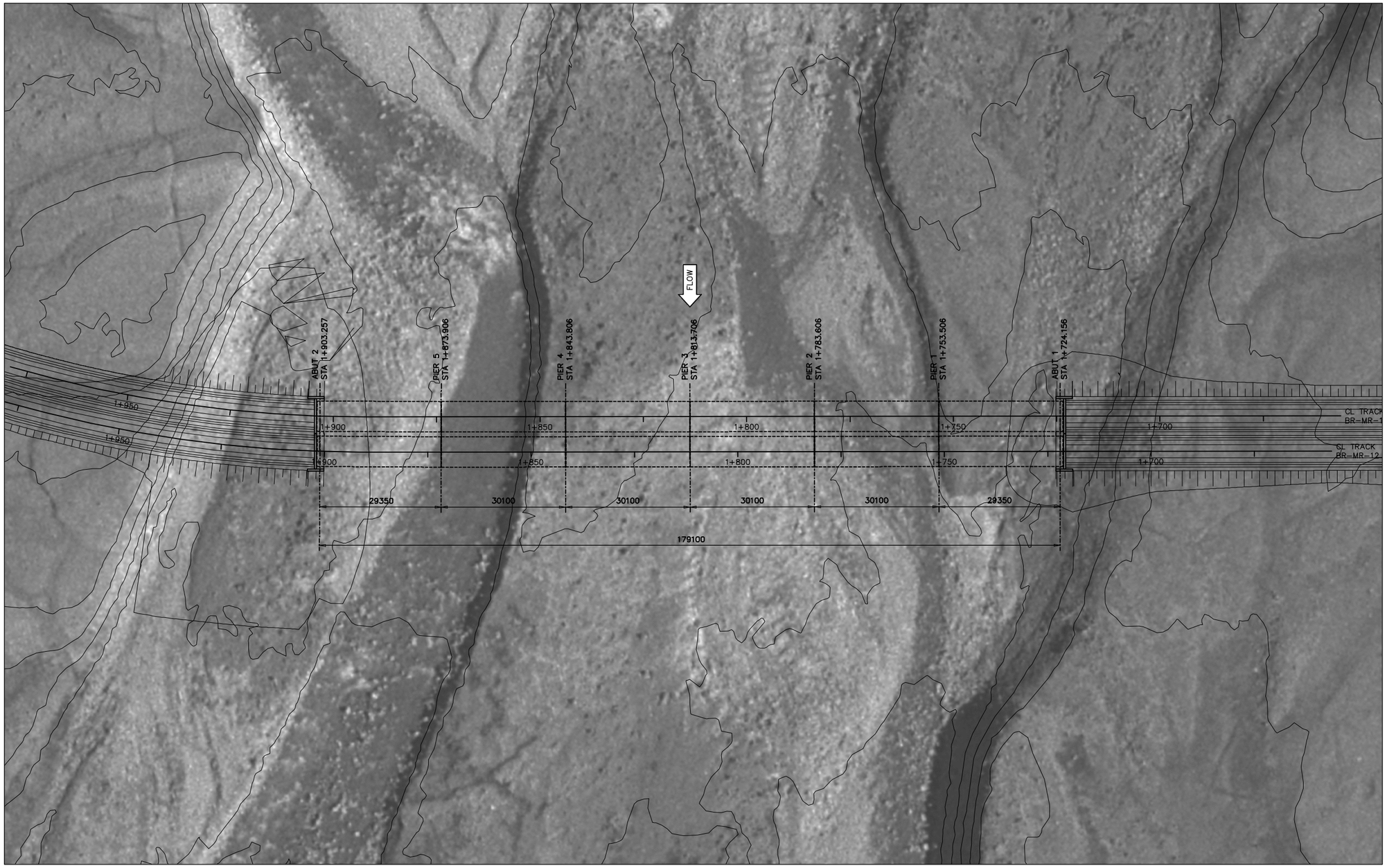

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S

NOTES

1. THIS PHOTO MOSAIC IS PROVIDED FOR GENERAL INFORMATION ONLY AND MAY NOT REFLECT THE CURRENT CONDITION OF THE SITE.
2. STRUCTURES SHOWN ON THIS DRAWING ARE SCHEMATIC ONLY. REFER TO DETAIL SHEETS IN OTHER SECTIONS OF THE DRAWING SET FOR MORE INFORMATION.
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REV	DDMMMYY	REVISION	DR	CHK	APP	APP	APP	APP
1	30SEP11	ISSUED FOR ENVIRONMENTAL IMPACT STATEMENT (EIS)						
0	30SEP08	ISSUED FOR ENVIRONMENTAL IMPACT STATEMENT (EIS)						

ISS	DDMMMYY	APP	ISSUED FOR

REF	NUMBER	TITLE

STAMP/SEAL

Client Mgr. Engineering Mgr. Project Mgr.

PROJECT PHASE: LAND PERMIT APPLICATION

AREA: 5300

Baffinland Iron Mines Corporation

RAILWAY MINE TERMINAL

PROJECT NUMBER

DILLON CONSULTING

PROJECT NO.	ACTIVITY NO.		BY	DDMMMYY
		DSN	KGW	01AUG11
		DRN	RCB	01AUG11
SCALE 1:500	PACKAGE CODE	CHK	JAS	01SEPT11
		APP		

SUBJECT: BR-MR-12/18 PHOTO MOSAIC

DRAWING NO. A1-159952-5300-122-6100-03

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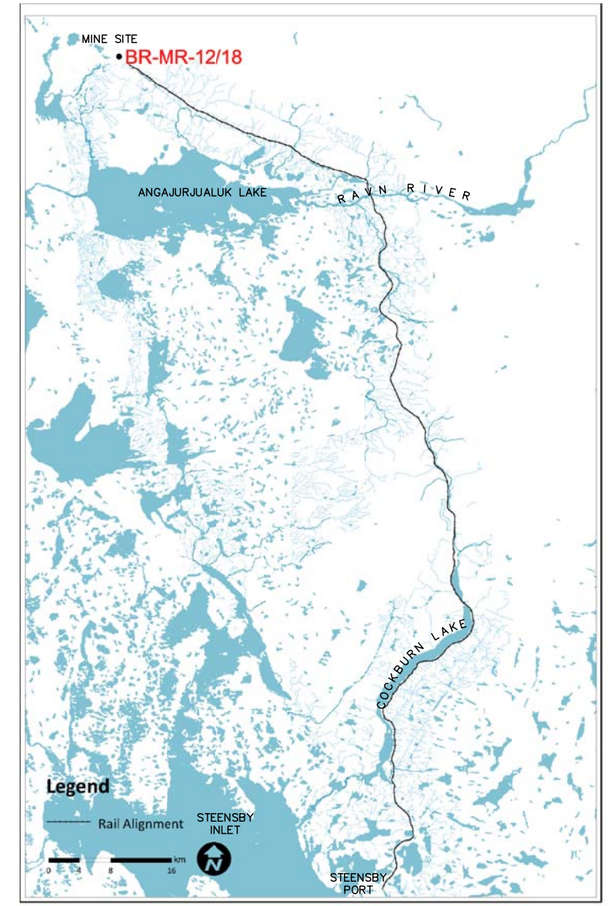

LOCATION KEY PLAN

NOTES

1. THE WATERCOURSE CROSSED BY THIS STRUCTURE IS MARY RIVER.

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 PURPOSE.

REV	DDMMMYY	REVISION	DR	CHK	APP	APP	APP	APP	ISS	DDMMMYY	APP	ISSUED FOR
1	30SEP11	ISSUED FOR ENVIRONMENTAL IMPACT STATEMENT (EIS)										
0	30SEP08	ISSUED FOR ENVIRONMENTAL IMPACT STATEMENT (EIS)										

REF	NUMBER	TITLE

STAMP/SEAL

Client Mgr. Engineering Mgr. Project Mgr.

PROJECT PHASE: LAND PERMIT APPLICATION

PROJECT NO. | ACTIVITY NO. | SCALE | PACKAGE CODE

	BY	DDMMMYY
DSN	KGW	01AUG11
DRN	RCB	01AUG11
CHK	JAS	01SEPT11
APP		

Baffinland Iron Mines Corporation

AREA 5300 | RAILWAY MINE TERMINAL

SUBJECT: BR-MR-12/18 SITE PHOTOS

CANARAIL

DILLON CONSULTING 10160070

PROJECT NUMBER

DRAWING NO. A1-159952-5300-122-6100-04

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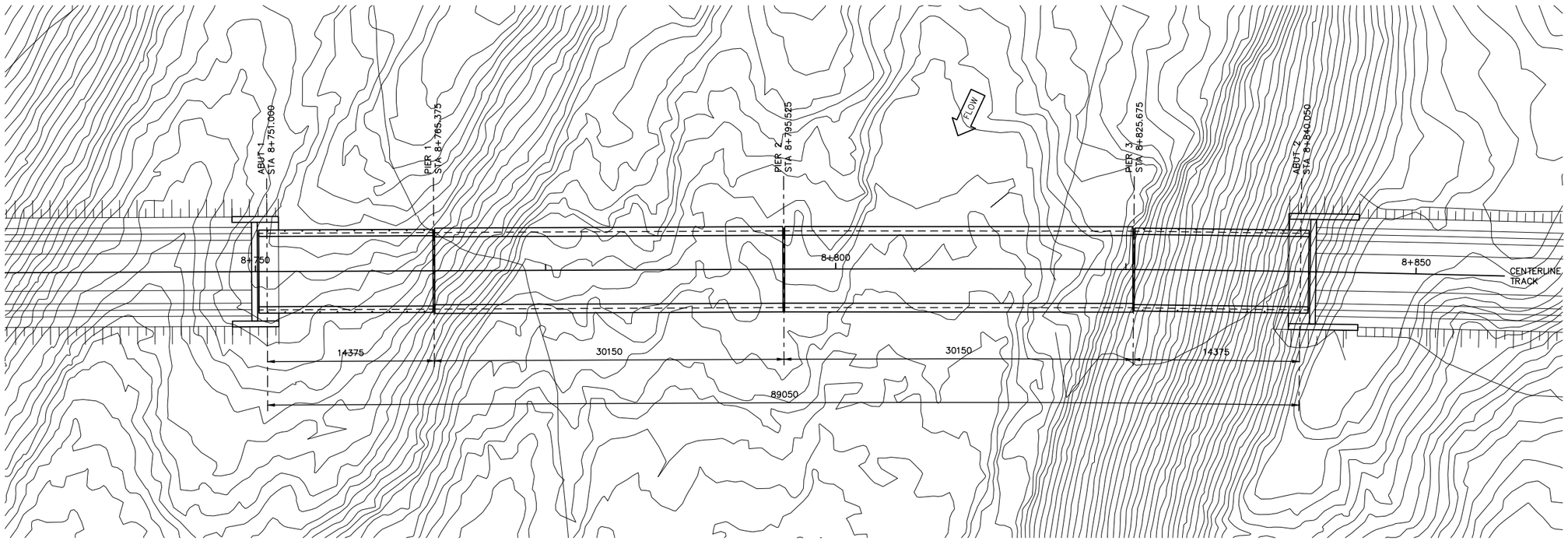
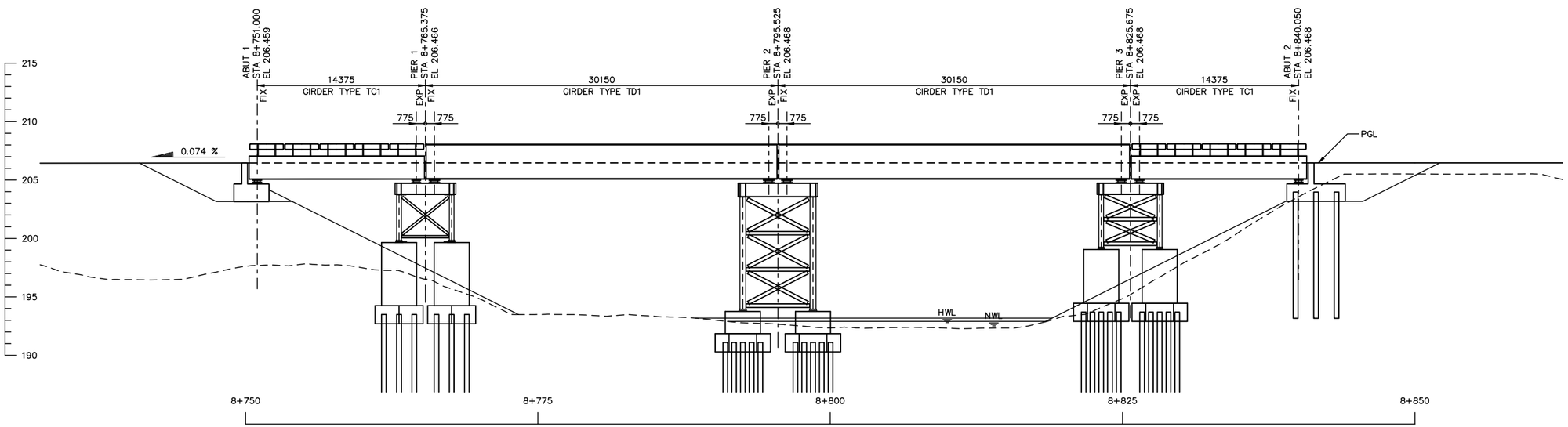




NOTES

1. STRUCTURES SHOWN ON THIS DRAWING ARE SCHEMATIC ONLY. REFER TO DETAIL SHEETS IN OTHER SECTIONS OF THE DRAWING SET FOR MORE INFORMATION.
2. CONTOURS SHOWN ON THIS DRAWING REPRESENT EXISTING GRADE ONLY.
3. THE REFERENCE POINT LOCATING THIS STRUCTURE IS AT THE INTERSECTION BETWEEN THE ALIGNMENT REFERENCE LINE AND THE LOW STATION ABUTMENT BEARING CENTERLINE.

   THIS POINT IS LOCATED AS FOLLOWS:

   STA 8+751.000

   E 570747.753 N 7906554.973 ZONE 17W

   LATITUDE 71°15'03.941" N

   LONGITUDE 79°01'39.260" W
4. ALL DIMENSIONS ARE GIVEN ALONG THE CONTROL LINE UNO. THE CONTROL LINE IS ALSO THE PROFILE GRADE LINE (PGL) AND IS LOCATED AT CENTERLINE TRACK / TOP OF SUB-BALLAST.
5. THE WATERCOURSE CROSSED BY THIS STRUCTURE IS REFERENCED AS NUMBER 27 IN THE REPORT 'FISH HABITAT ASSESSMENTS ALONG THE STEENSBY RAIL CORRIDOR' PREPARED BY KNIGHT PIESOLD CONSULTING AND DATED FEBRUARY 2008.
6. THIS CROSSING IS DEFINED AS NON-NAVIGABLE.
7. FISH HABITAT RATING IS 'IMPORTANT'.
8. HIGH WATER LEVEL (HWL) = 193.180

   HWL FREEBOARD = 11.826 METERS
9. NORMAL WATER LEVEL (NWL) = 192.900

   NWL FREEBOARD = 12.106 METERS

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 PURPOSE.

REV	DDMMMYY	REVISION	DR	CHK	APP	APP	APP	APP	ISS	DDMMMYY	APP	ISSUED FOR
1	30SEP11	ISSUED FOR ENVIRONMENTAL IMPACT STATEMENT (EIS)										
0	30SEP08	ISSUED FOR ENVIRONMENTAL IMPACT STATEMENT (EIS)										

REF	NUMBER	TITLE

REFERENCES

STAMP/SEAL

Client Mgr. | Engineering Mgr. | Project Mgr.

PROJECT PHASE: LAND PERMIT APPLICATION

AREA: 5200

RAILWAY MAIN LINE

PROJECT NO. | ACTIVITY NO. | SCALE: 1:200 | PACKAGE CODE

	BY	DDMMMYY
DSN	KGW	01AUG11
DRN	RCB	01AUG11
CHK	JAS	01SEPT11
APP		

SUBJECT: BR-008-1 GENERAL PLAN AND ELEVATION

Baffinland Iron Mines Corporation

CANARAIL

DILLON CONSULTING

PROJECT NUMBER

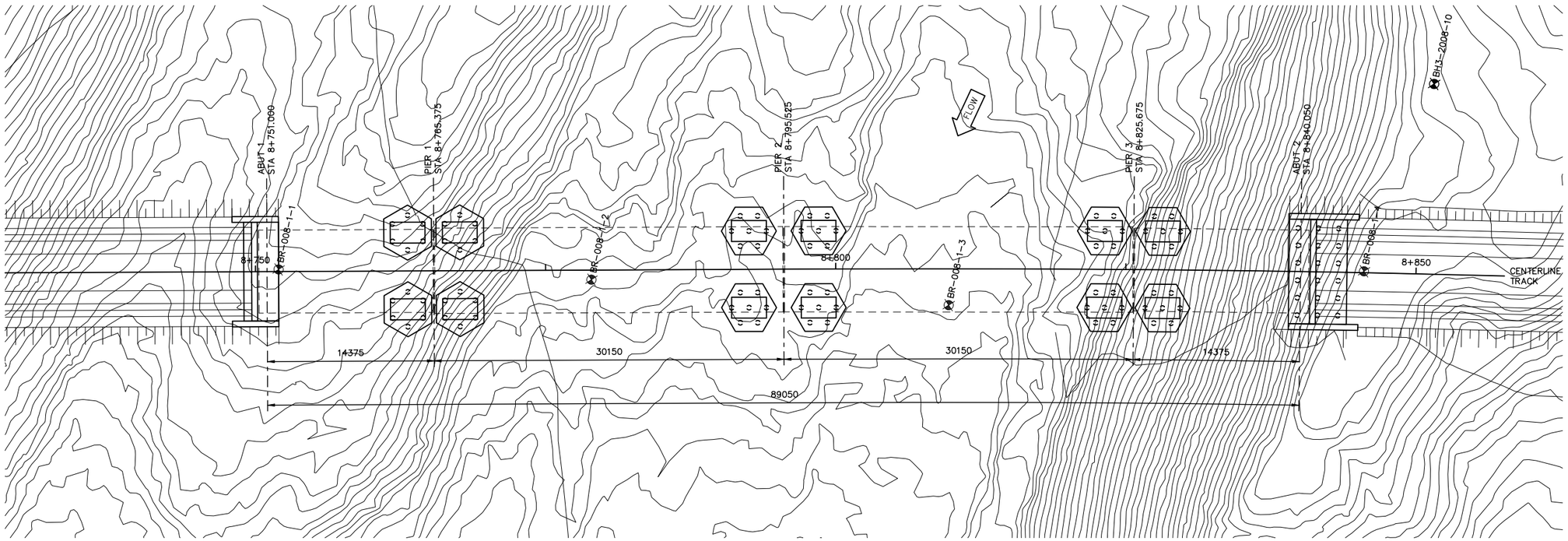
1:200 | 1080010

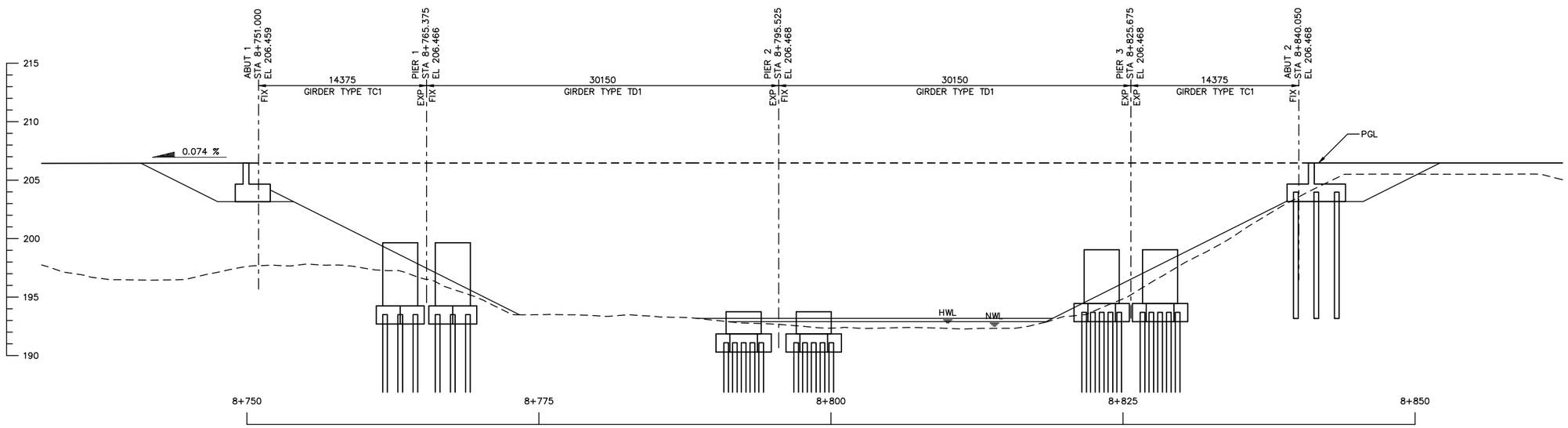
DRAWING NO.: A1-159952-5200-122-6200-01

REV.

CAD FILE:

SAVED: 19/08/2011 6:52:46 PM PLOTTED: 25-Nov-11 10:54 AM USER: BARNES, RHIANA





LEGEND

APPROXIMATE BOREHOLE LOCATION. SEE GEOTECHNICAL REPORT FOR EXACT LOCATION AND ADDITIONAL INFORMATION.

APPROXIMATE BEDROCK ELEVATION. SEE GEOTECHNICAL REPORT FOR EXACT ELEVATION AND ADDITIONAL INFORMATION.

BOREHOLES

ALL VALUES GIVEN BELOW ARE APPROXIMATE.

BOREHOLE	STATION	OFFSET	BEDROCK ELEV'N
BH3-2008-10	8+851	16 L	< 191
BR-008-1-1	8+752	0 R	192.6
BR-008-1-2	8+779	1 R	188.7
BR-008-1-3	8+810	3 R	177.6
BR-008-1-4	8+846	0 R	191.0

NOTES

1. STRUCTURES SHOWN ON THIS DRAWING ARE SCHEMATIC ONLY. REFER TO DETAIL SHEETS IN OTHER SECTIONS OF THE DRAWING SET FOR MORE INFORMATION.
2. CONTOURS SHOWN ON THIS DRAWING REPRESENT EXISTING GRADE ONLY.

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 PURPOSE.

REV	DDMMMYY	REVISION	DR	CHK	APP	APP	APP	APP	ISS	DDMMMYY	APP	ISSUED FOR
1	30SEP11	ISSUED FOR ENVIRONMENTAL IMPACT STATEMENT (EIS)										
0	30SEP08	ISSUED FOR ENVIRONMENTAL IMPACT STATEMENT (EIS)										

REF	NUMBER	TITLE

REFERENCES

STAMP/SEAL

Client Mgr. | Engineering Mgr. | Project Mgr.

PROJECT PHASE: LAND PERMIT APPLICATION

AREA: 5200

RAILWAY MAIN LINE

PROJECT NO. | ACTIVITY NO. | SCALE: 1:200 | PACKAGE CODE

	BY	DDMMMYY
DSN	KGW	01AUG11
DRN	RCB	01AUG11
CHK	JAS	01SEPT11
APP		

SUBJECT: BR-008-1 FOUNDATION LAYOUT

Baffinland Iron Mines Corporation

CANARAIL

DILLON CONSULTING

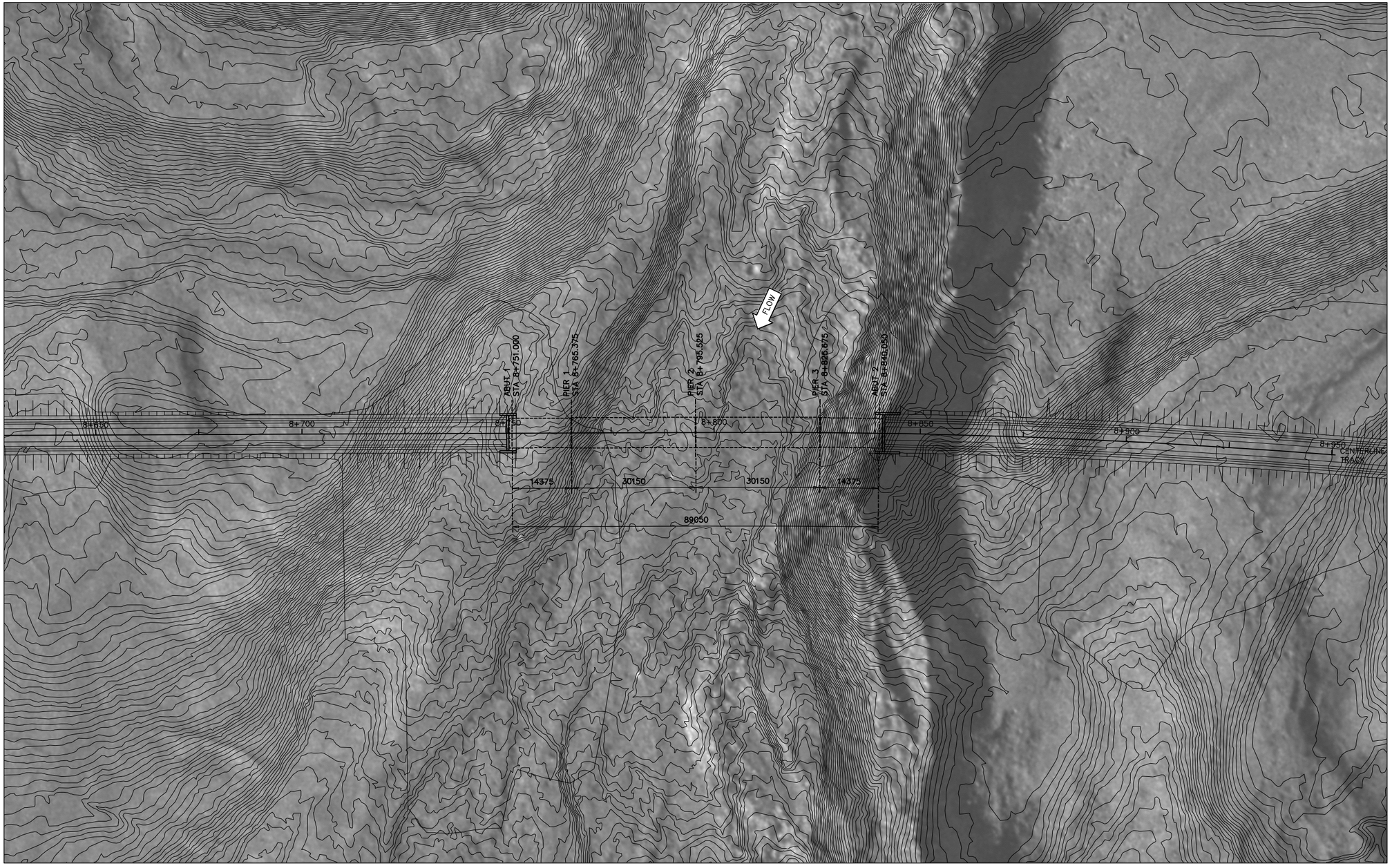
PROJECT NUMBER 1:200 1086020

DRAWING NO. A1-159952-5200-122-6200-02

REV.

CAD FILE:

SAVED: 19/08/2011 6:52:46 PM PLOTTED: 25-Nov-11 10:54 AM USER: BARNES, RHIANA



NOTES

1. THIS PHOTO MOSAIC IS PROVIDED FOR GENERAL INFORMATION ONLY AND MAY NOT REFLECT THE CURRENT CONDITION OF THE SITE.
2. STRUCTURES SHOWN ON THIS DRAWING ARE SCHEMATIC ONLY. REFER TO DETAIL SHEETS IN OTHER SECTIONS OF THE DRAWING SET FOR MORE INFORMATION.
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REV	DDMMMYY	REVISION	DR	CHK	APP	APP	APP	APP
1	30SEP11	ISSUED FOR ENVIRONMENTAL IMPACT STATEMENT (EIS)						
0	30SEP08	ISSUED FOR ENVIRONMENTAL IMPACT STATEMENT (EIS)						

ISS	DDMMMYY	APP	ISSUED FOR

REF	NUMBER	TITLE

REFERENCES

STAMP/SEAL

Client Mgr. Engineering Mgr. Project Mgr.

PROJECT PHASE: LAND PERMIT APPLICATION

AREA: 5200

Baffinland Iron Mines Corporation

RAILWAY MAIN LINE

PROJECT NO. | ACTIVITY NO. | SCALE: 1:500 | PACKAGE CODE

	BY	DDMMMYY
DSN	KGW	01AUG11
DRN	RCB	01AUG11
CHK	JAS	01SEPT11
APP		

SUBJECT: BR-008-1 PHOTO MOSAIC

CANARAIL

PROJECT NUMBER

DILLON CONSULTING

DRAWING NO.: A1-159952-5200-122-6200-03

REV.

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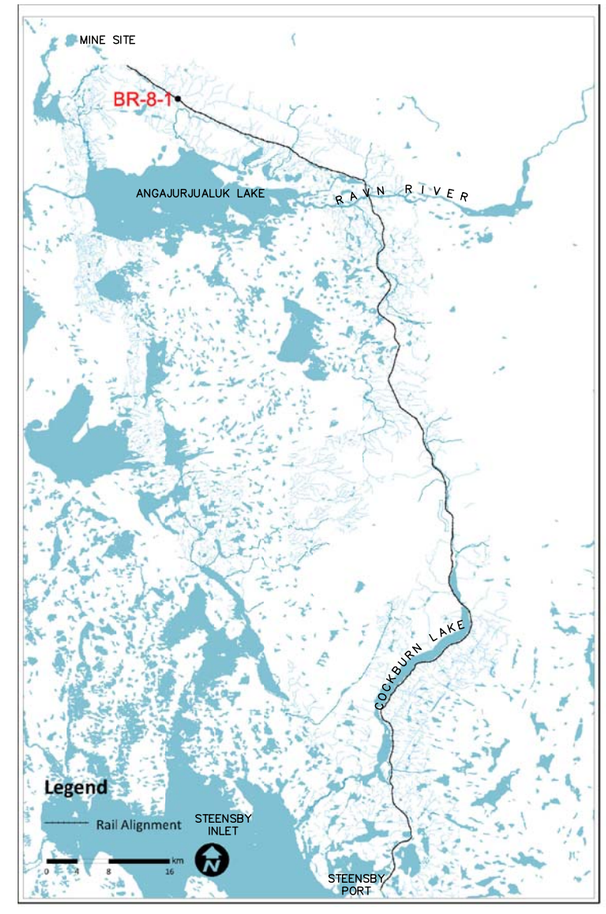


LOCATION KEY PLAN

NOTES

1. THE WATERCOURSE CROSSED BY THIS STRUCTURE IS REFERENCED AS NUMBER 27 IN THE REPORT 'FISH HABITAT ASSESSMENTS ALONG THE STEENSBY RAIL CORRIDOR' PREPARED BY KNIGHT PIESOLD CONSULTING AND DATED FEBRUARY 2008.

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 PURPOSE.

REV	DDMMMYY	REVISION	DR	CHK	APP	APP	APP	APP	ISS	DDMMMYY	APP	ISSUED FOR
1	30SEP11	ISSUED FOR ENVIRONMENTAL IMPACT STATEMENT (EIS)										
0	30SEP08	ISSUED FOR ENVIRONMENTAL IMPACT STATEMENT (EIS)										

REF	NUMBER	TITLE

STAMP/SEAL

Client Mgr. Engineering Mgr. Project Mgr.

PROJECT PHASE: LAND PERMIT APPLICATION

PROJECT NO. | ACTIVITY NO. | SCALE | PACKAGE CODE

	BY	DDMMMYY
DSN	KGW	01AUG11
DRN	RCB	01AUG11
CHK	JAS	01SEPT11
APP		

Baffinland Iron Mines Corporation

AREA 5200 — RAILWAY MAIN LINE

SUBJECT: BR-008-1 SITE PHOTOS

CANARAIL — DILLON CONSULTING

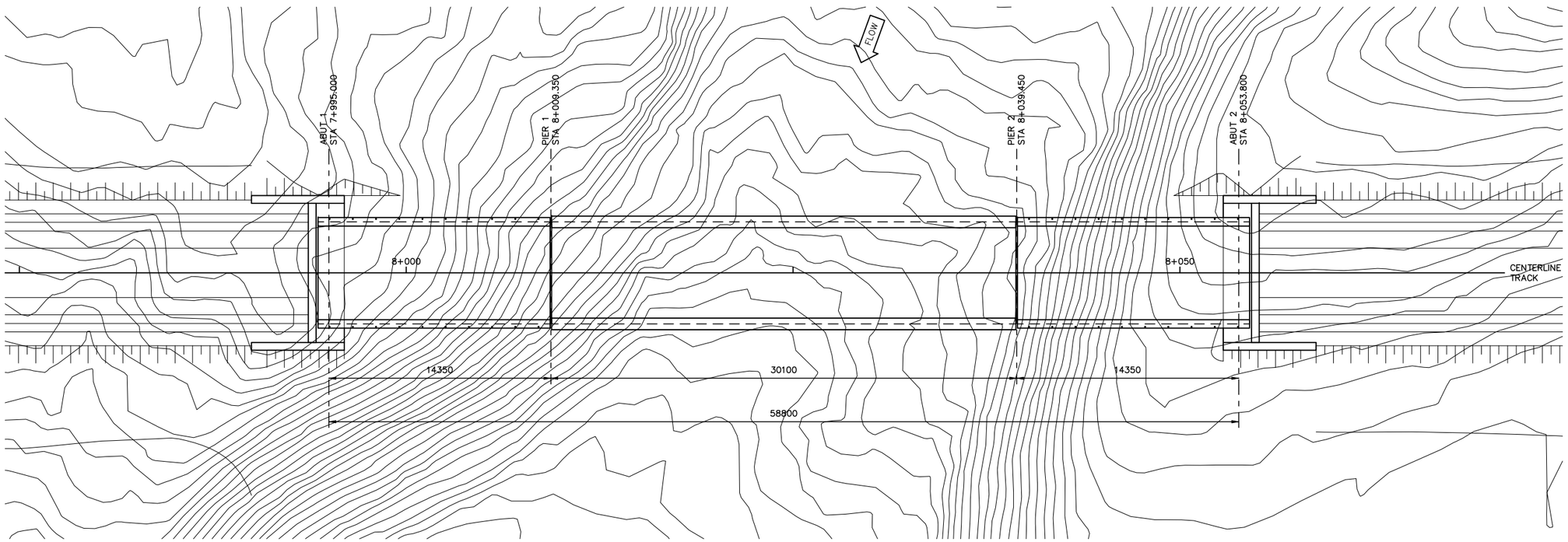
PROJECT NUMBER 1060070

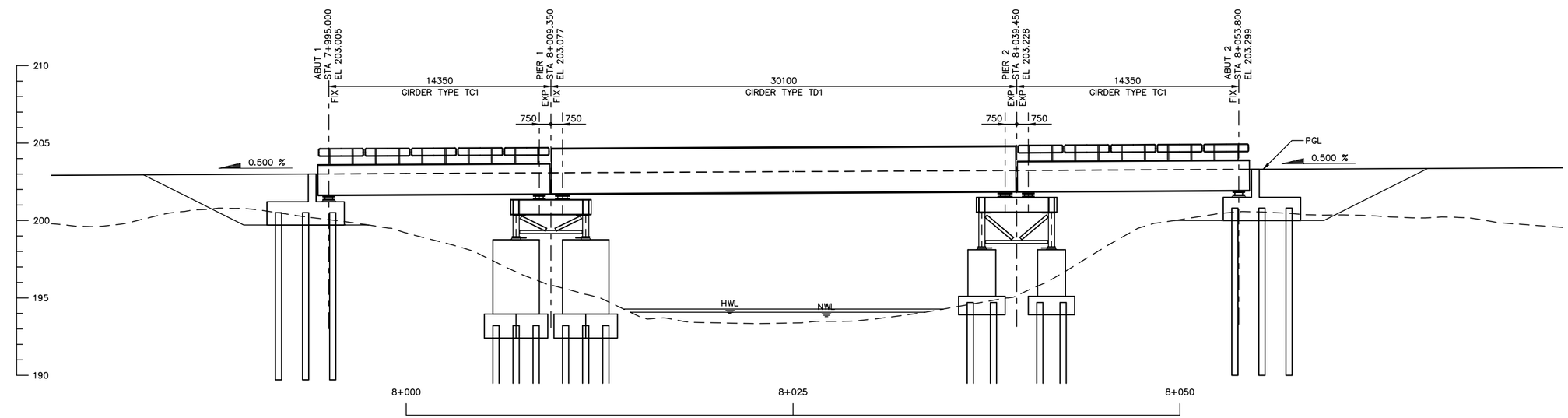
DRAWING NO. A1-159952-5200-122-6200-04

REV.

CAD FILE:

SAVED: 19/08/2011 6:52:46 PM PLOTTED: 25-Nov-11 10:54 AM USER: BARNES, RHIANA





NOTES

1. STRUCTURES SHOWN ON THIS DRAWING ARE SCHEMATIC ONLY. REFER TO DETAIL SHEETS IN OTHER SECTIONS OF THE DRAWING SET FOR MORE INFORMATION.
2. CONTOURS SHOWN ON THIS DRAWING REPRESENT EXISTING GRADE ONLY.
3. THE REFERENCE POINT LOCATING THIS STRUCTURE IS AT THE INTERSECTION BETWEEN THE ALIGNMENT REFERENCE LINE AND THE LOW STATION ABUTMENT BEARING CENTERLINE.

   THIS POINT IS LOCATED AS FOLLOWS:

   STA 7+995.000

   E 570110.763 N 7906962.134 ZONE 17W

   LATITUDE 71°15'17.743" N

   LONGITUDE 79°02'41.826" W
4. ALL DIMENSIONS ARE GIVEN ALONG THE CONTROL LINE UNO. THE CONTROL LINE IS ALSO THE PROFILE GRADE LINE (PGL) AND IS LOCATED AT CENTERLINE TRACK / TOP OF SUB-BALLAST.
5. THE WATERCOURSE CROSSED BY THIS STRUCTURE IS REFERENCED AS NUMBER 24 IN THE REPORT 'FISH HABITAT ASSESSMENTS ALONG THE STEENSBY RAIL CORRIDOR' PREPARED BY KNIGHT PIESOLD CONSULTING AND DATED FEBRUARY 2008.
6. THIS CROSSING IS DEFINED AS NON-NAVIGABLE.
7. FISH HABITAT RATING IS 'IMPORTANT'.
8. HIGH WATER LEVEL (HWL) = 194.280

   HWL FREEBOARD = 7.285 METERS
9. NORMAL WATER LEVEL (NWL) = 194.070

   NWL FREEBOARD = 7.495 METERS

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 PURPOSE.

REV	DDMMMYY	REVISION	DR	CHK	APP	APP	APP	APP	ISS	DDMMMYY	APP	ISSUED FOR
1	30SEP11	ISSUED FOR ENVIRONMENTAL IMPACT STATEMENT (EIS)										
0	30SEP08	ISSUED FOR ENVIRONMENTAL IMPACT STATEMENT (EIS)										

REF	NUMBER	TITLE

REFERENCES

STAMP/SEAL

Client Mgr. | Engineering Mgr. | Project Mgr.

PROJECT PHASE: LAND PERMIT APPLICATION

AREA: 5200

RAILWAY MAIN LINE

PROJECT NO. | ACTIVITY NO. | SCALE: 1:150 | PACKAGE CODE

	BY	DDMMMYY
DSN	KGW	01AUG11
DRN	RCB	01AUG11
CHK	JAS	01SEPT11
APP		

SUBJECT: CV-008-1 GENERAL PLAN AND ELEVATION

PROJECT NUMBER: 1:150 10600ID

DRAWING NO.: A1-159952-5200-122-6201-01

REV.

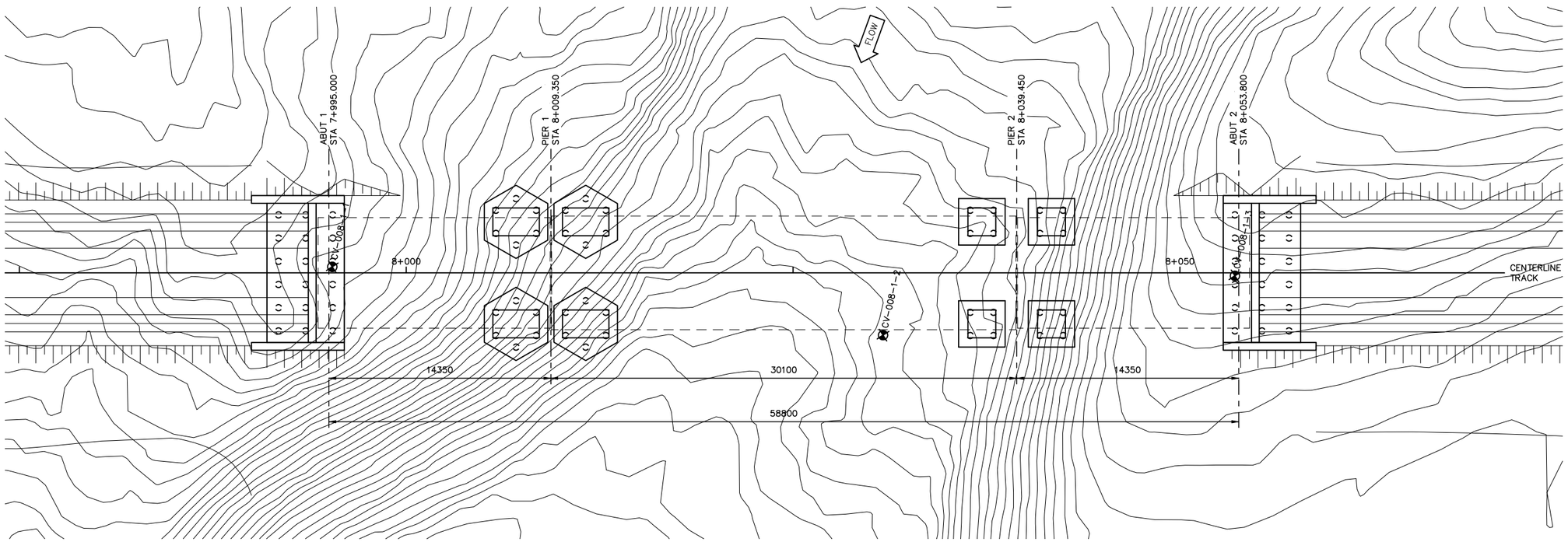
CAD FILE:

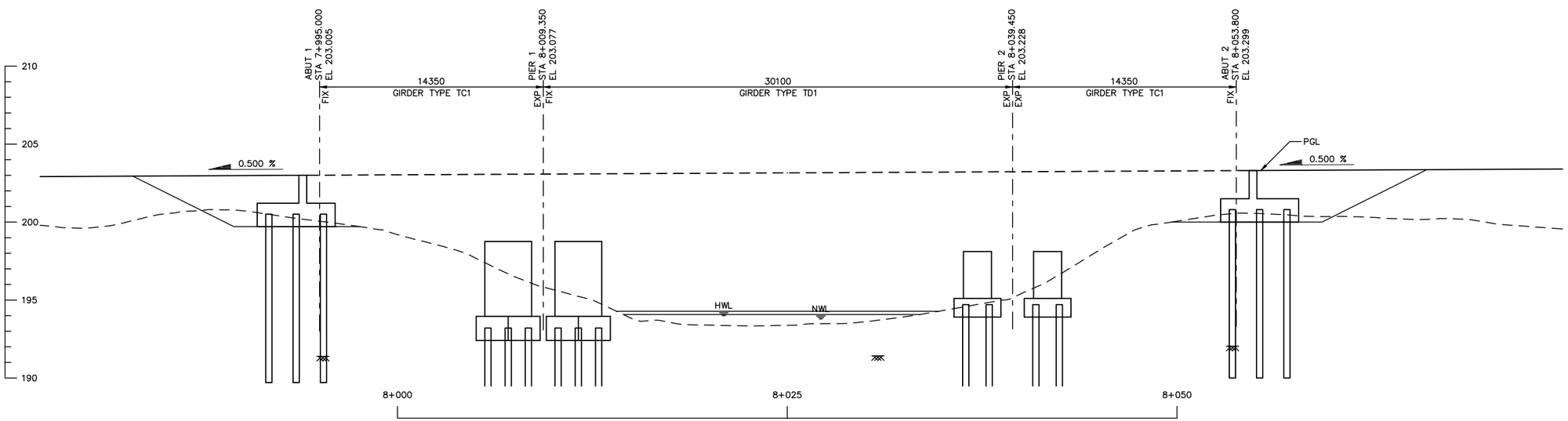
Baffinland Iron Mines Corporation

CANARAIL

DILLON CONSULTING

SAVED: 19/08/2011 6:52:46 PM PLOTTED: 25-Nov-11 10:54 AM USER: BARNES, RHIANA





LEGEND

APPROXIMATE BOREHOLE LOCATION. SEE GEOTECHNICAL REPORT FOR EXACT LOCATION AND ADDITIONAL INFORMATION.

APPROXIMATE BEDROCK ELEVATION. SEE GEOTECHNICAL REPORT FOR EXACT ELEVATION AND ADDITIONAL INFORMATION.

BOREHOLES

ALL VALUES GIVEN BELOW ARE APPROXIMATE.

BOREHOLE	STATION	OFFSET	BEDROCK ELEV'N
CV-008-1-1	7+995	0 R	191.4
CV-008-1-2	8+031	4 R	191.4
CV-008-1-3	8+054	0 R	192.0

NOTES

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REV	DDMMMYY	REVISION	DR	CHK	APP	APP	APP	APP	ISS	DDMMMYY	APP	ISSUED FOR
1	30SEP11	ISSUED FOR ENVIRONMENTAL IMPACT STATEMENT (EIS)										
0	30SEP08	ISSUED FOR ENVIRONMENTAL IMPACT STATEMENT (EIS)										

REF	NUMBER	TITLE

REFERENCES

STAMP/SEAL

Client Mgr. Engineering Mgr. Project Mgr.

PROJECT PHASE: LAND PERMIT APPLICATION

AREA: 5200

RAILWAY MAIN LINE

Baffinland Iron Mines Corporation

CANARAIL

DILLON CONSULTING

PROJECT NUMBER

1:150 1060020

PROJECT NO.	ACTIVITY NO.		BY	DDMMMYY
		DSN	KGW	01AUG11
		DRN	RCB	01AUG11
		CHK	JAS	01SEPT11
		APP		

SCALE: 1:150

PACKAGE CODE

SUBJECT: CV-008-1 FOUNDATION LAYOUT

DRAWING NO.: A1-159952-5200-122-6201-02

REV.

CAD FILE:

NOTES

1. THIS PHOTO MOSAIC IS PROVIDED FOR GENERAL INFORMATION ONLY AND MAY NOT REFLECT THE CURRENT CONDITION OF THE SITE.
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REV	DDMMMYY	REVISION	DR	CHK	APP	APP	APP	APP
1	30SEP11	ISSUED FOR ENVIRONMENTAL IMPACT STATEMENT (EIS)						
0	30SEP08	ISSUED FOR ENVIRONMENTAL IMPACT STATEMENT (EIS)						

ISS	DDMMMYY	APP	ISSUED FOR

REF	NUMBER	TITLE

REFERENCES

STAMP/SEAL

Client Mgr. Engineering Mgr. Project Mgr.

Baffinland Iron Mines Corporation

CANARIL

DILLON CONSULTING

PROJECT PHASE: LAND PERMIT APPLICATION

AREA: 5200

RAILWAY MAIN LINE

PROJECT NUMBER: 1:500 1080080

PROJECT NO.	ACTIVITY NO.		BY	DDMMMYY
		DSN	KGW	01AUG11
		DRN	RCB	01AUG11
		CHK	JAS	01SEPT11
		APP		

SCALE: 1:500

PACKAGE CODE

SUBJECT: CV-008-1 PHOTO MOSAIC

DRAWING NO.: A1-159952-5200-122-6201-03

REV.

CAD FILE:

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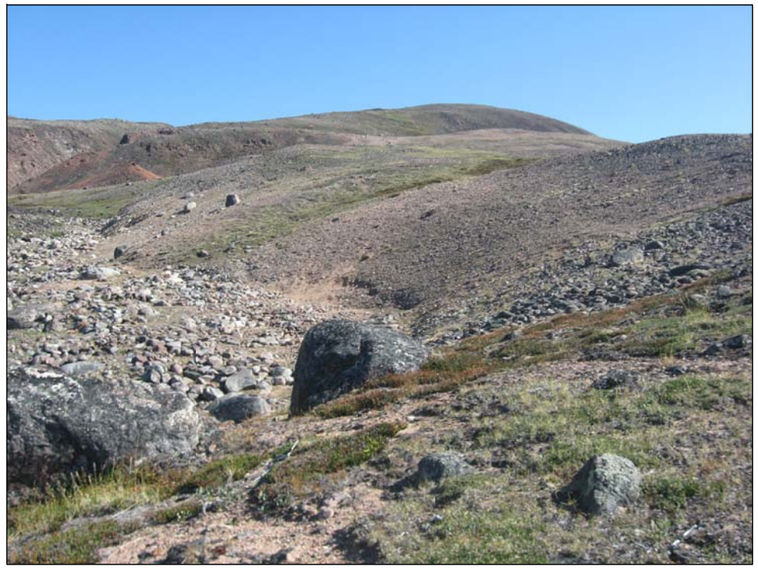
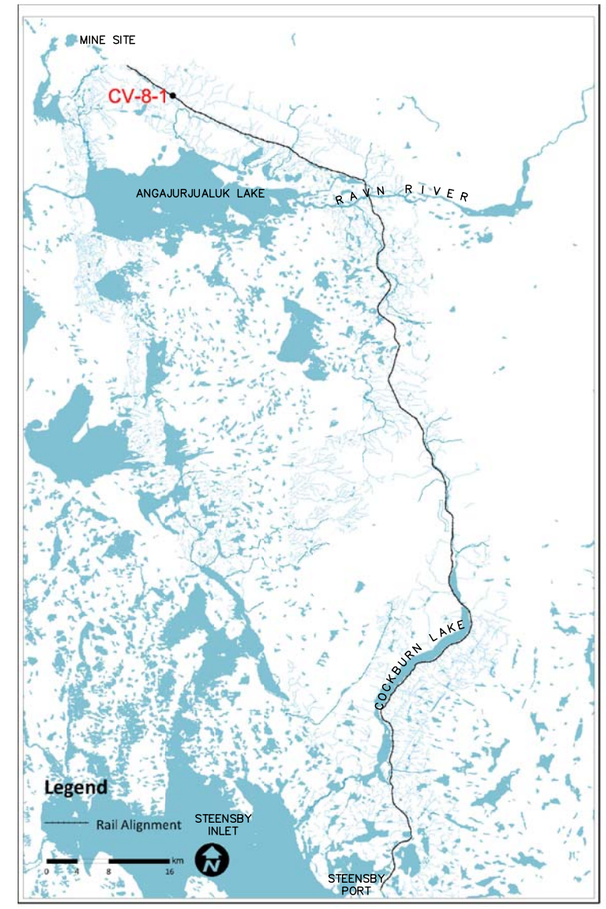




LOCATION KEY PLAN

NOTES

1. THE WATERCOURSE CROSSED BY THIS STRUCTURE IS REFERENCED AS NUMBER 24 IN THE REPORT 'FISH HABITAT ASSESSMENTS ALONG THE STEENSBY RAIL CORRIDOR' PREPARED BY KNIGHT PIESOLD CONSULTING AND DATED FEBRUARY 2008.

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 PURPOSE.

REV	DDMMMYY	REVISION	DR	CHK	APP	APP	APP	APP	ISS	DDMMMYY	APP	ISSUED FOR
1	30SEP11	ISSUED FOR ENVIRONMENTAL IMPACT STATEMENT (EIS)										
0	30SEP08	ISSUED FOR ENVIRONMENTAL IMPACT STATEMENT (EIS)										

REF	NUMBER	TITLE

REFERENCES

STAMP/SEAL

Client Mgr. Engineering Mgr. Project Mgr.

PROJECT PHASE: LAND PERMIT APPLICATION

AREA: 5200

RAILWAY MAIN LINE

Baffinland Iron Mines Corporation

CANARAIL

DILLON CONSULTING

PROJECT NUMBER

PROJECT NO.	ACTIVITY NO.		BY	DDMMMYY
		DSN	KGW	01AUG11
		DRN	RCB	01AUG11
		CHK	JAS	01SEPT11
		APP		

SCALE

PACKAGE CODE

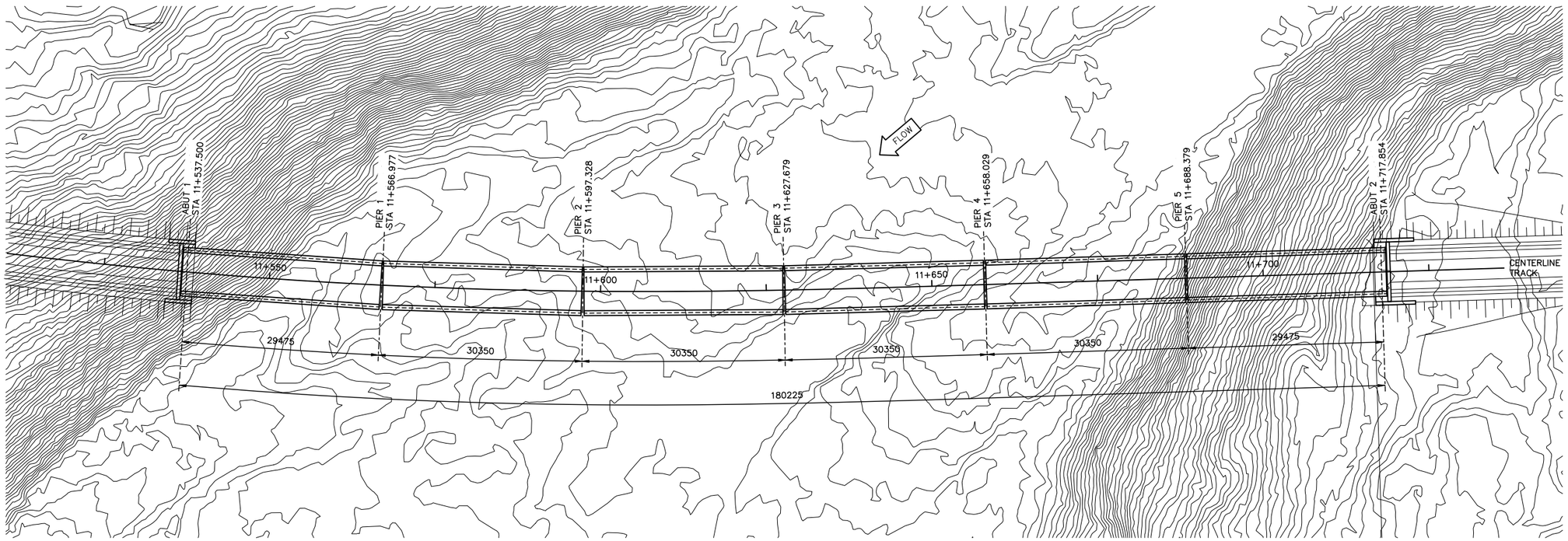
SUBJECT: CV-008-1 SITE PHOTOS

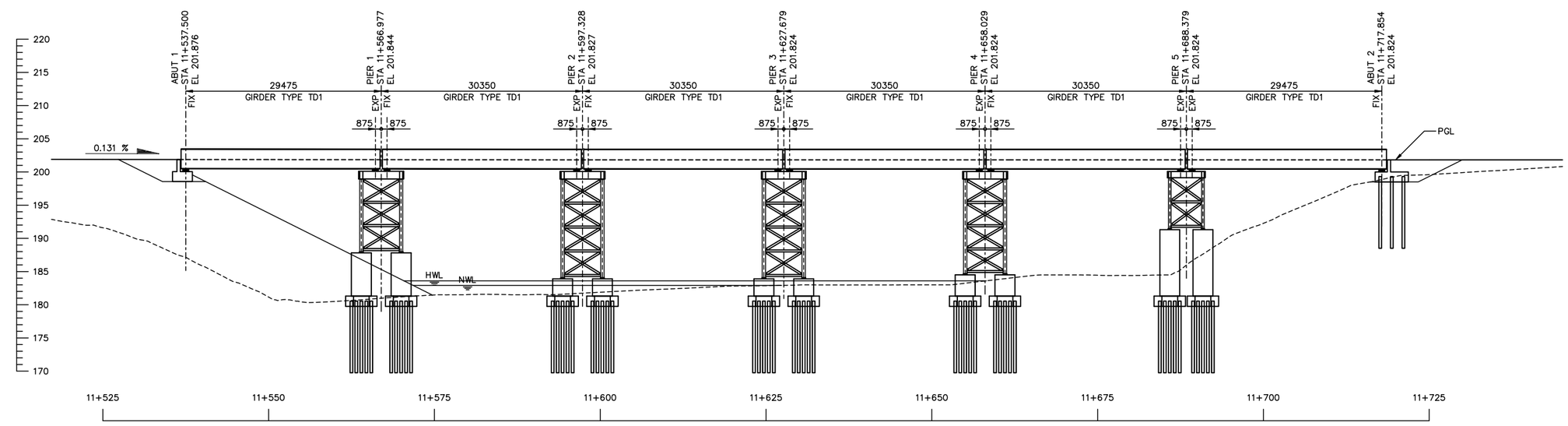
DRAWING NO.: A1-159952-5200-122-6201-04

REV.

CAD FILE:

SAVED: 19/08/2011 6:52:46 PM PLOTTED: 25-Nov-11 10:54 AM USER: BARNES, RHIANA





NOTES

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2. CONTOURS SHOWN ON THIS DRAWING REPRESENT EXISTING GRADE ONLY.
3. THE REFERENCE POINT LOCATING THIS STRUCTURE IS AT THE INTERSECTION BETWEEN THE ALIGNMENT REFERENCE LINE AND THE LOW STATION ABUTMENT BEARING CENTERLINE.

   THIS POINT IS LOCATED AS FOLLOWS:

   STA 11+537.500

   E 572995.475 N 7904939.269 ZONE 17W

   LATITUDE 71°14'09.421" N

   LONGITUDE 78°57'59.288" W
4. ALL DIMENSIONS ARE GIVEN ALONG THE CONTROL LINE UNO. THE CONTROL LINE IS ALSO THE PROFILE GRADE LINE (PGL) AND IS LOCATED AT CENTERLINE TRACK / TOP OF SUB-BALLAST.
5. THE WATERCOURSE CROSSED BY THIS STRUCTURE IS REFERENCED AS NUMBER 30 IN THE REPORT 'FISH HABITAT ASSESSMENTS ALONG THE STEENSBY RAIL CORRIDOR' PREPARED BY KNIGHT PIESOLD CONSULTING AND DATED FEBRUARY 2008.
6. THIS CROSSING IS DEFINED AS NON-NAVIGABLE.
7. FISH HABITAT RATING IS 'IMPORTANT'.
8. HIGH WATER LEVEL (HWL) = 183.610

   HWL FREEBOARD = 16.754 METERS
9. NORMAL WATER LEVEL (NWL) = 182.910

   NWL FREEBOARD = 17.454 METERS

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 PURPOSE.

REV	DDMMMYY	REVISION	DR	CHK	APP	APP	APP	APP	ISS	DDMMMYY	APP	ISSUED FOR
1	30SEP11	ISSUED FOR ENVIRONMENTAL IMPACT STATEMENT (EIS)										
0	30SEP08	ISSUED FOR ENVIRONMENTAL IMPACT STATEMENT (EIS)										

REF	NUMBER	TITLE

REFERENCES

STAMP/SEAL

Client Mgr. Engineering Mgr. Project Mgr.

PROJECT PHASE: LAND PERMIT APPLICATION

AREA 5200

RAILWAY MAIN LINE

Baffinland Iron Mines Corporation

CANARAIL

DILLON CONSULTING

PROJECT NUMBER

1:350

PROJECT NO.	ACTIVITY NO.		BY	DDMMMYY
		DSN	KGW	01AUG11
		DRN	RCB	01AUG11
SCALE 1:350	PACKAGE CODE	CHK	JAS	01SEPT11
		APP		

SUBJECT: BR-011-1 GENERAL PLAN AND ELEVATION

DRAWING NO. A1-159952-5200-122-6202-01

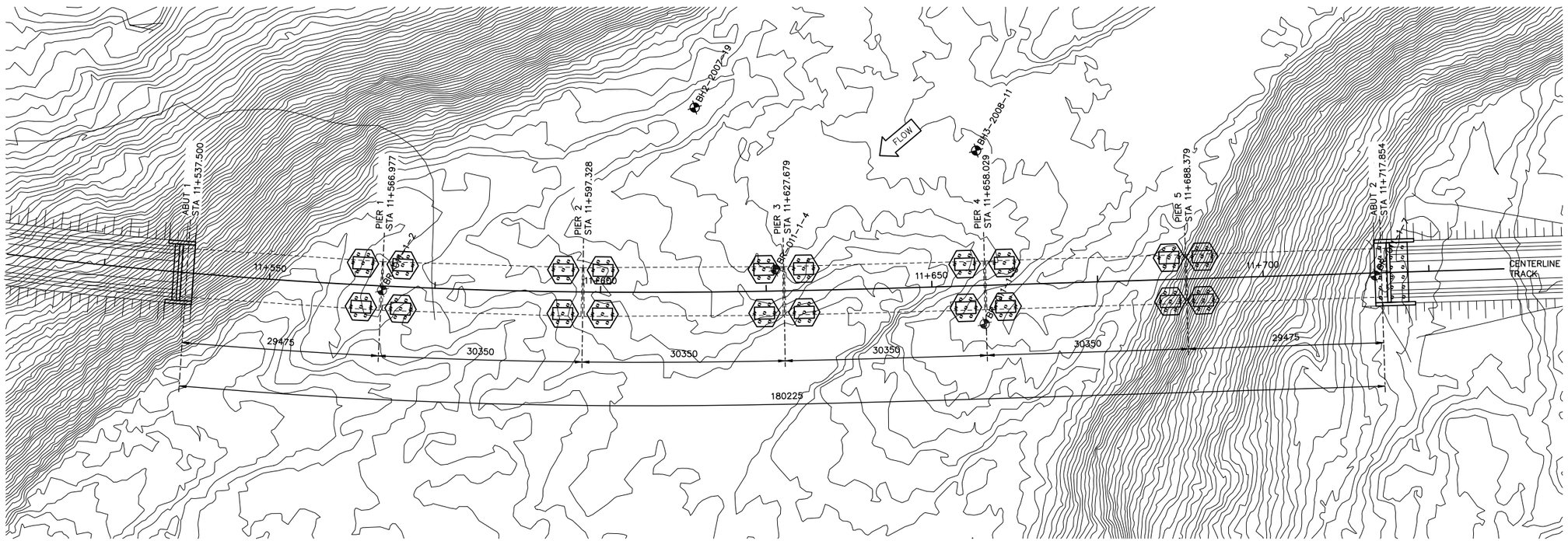
REV.

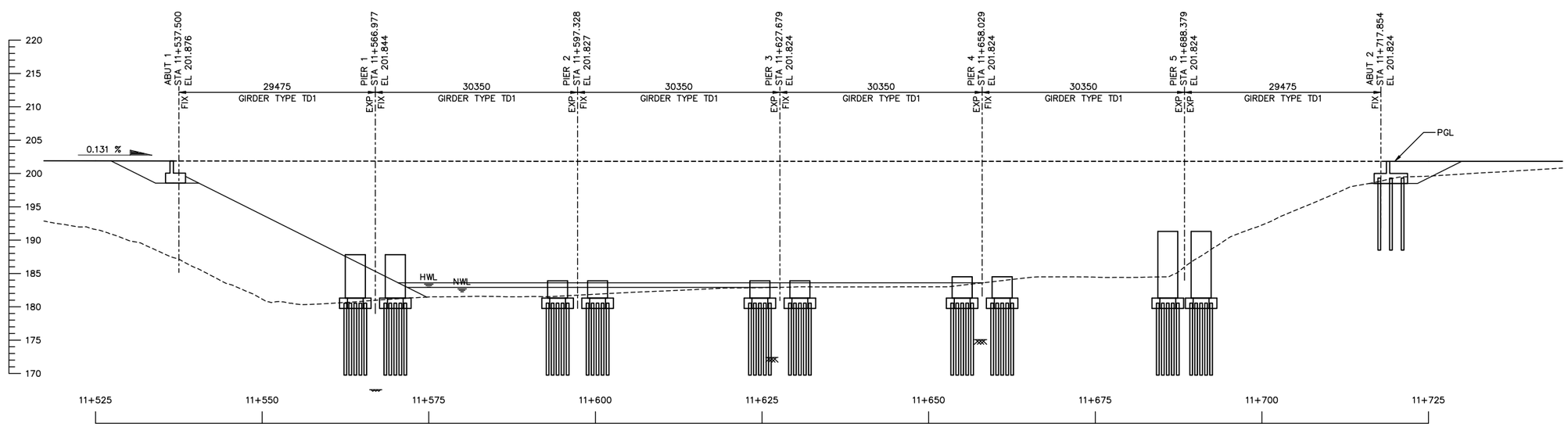
CAD FILE:

USER: BARNES, RHIANA

PLOTTED: 25-Nov-11 10:54 AM

SAVED: 19/08/2011 6:52:46 PM 6:52 PM





LEGEND

APPROXIMATE BOREHOLE LOCATION. SEE GEOTECHNICAL REPORT FOR EXACT LOCATION AND ADDITIONAL INFORMATION.

APPROXIMATE BEDROCK ELEVATION. SEE GEOTECHNICAL REPORT FOR EXACT ELEVATION AND ADDITIONAL INFORMATION.

BOREHOLES

ALL VALUES GIVEN BELOW ARE APPROXIMATE.

BOREHOLE	STATION	OFFSET	BEDROCK ELEV'N
BH2-2007-19	11+614	28 L	< 163
BH3-2008-11	11+657	20 L	< 165
BR-011-1-2	11+567	1 R	167.6
BR-011-1-4	11+626	3 L	172.4
BR-011-1-5	11+658	6 R	175.1
BR-011-1-7	11+717	0 R	< 173

NOTES

1. STRUCTURES SHOWN ON THIS DRAWING ARE SCHEMATIC ONLY. REFER TO DETAIL SHEETS IN OTHER SECTIONS OF THE DRAWING SET FOR MORE INFORMATION.
2. CONTOURS SHOWN ON THIS DRAWING REPRESENT EXISTING GRADE ONLY.

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 PURPOSE.

REV	DDMMMYY	REVISION	DR	CHK	APP	APP	APP	APP	ISS	DDMMMYY	APP	ISSUED FOR
1	30SEP11	ISSUED FOR ENVIRONMENTAL IMPACT STATEMENT (EIS)										
0	30SEP08	ISSUED FOR ENVIRONMENTAL IMPACT STATEMENT (EIS)										

REF	NUMBER	TITLE

REFERENCES

STAMP/SEAL

Client Mgr. Engineering Mgr. Project Mgr.

PROJECT PHASE: LAND PERMIT APPLICATION

AREA 5200

RAILWAY MAIN LINE

Baffinland Iron Mines Corporation

CANARAIL

DILLON CONSULTING

PROJECT NUMBER

1:350

PROJECT NO.	ACTIVITY NO.		BY	DDMMMYY
		DSN	KGW	01AUG11
		DRN	RCB	01AUG11
		CHK	JAS	01SEPT11
		APP		

SCALE 1:350

PACKAGE CODE

SUBJECT: BR-011-1 FOUNDATION LAYOUT

DRAWING NO. A1-159952-5200-122-6202-02

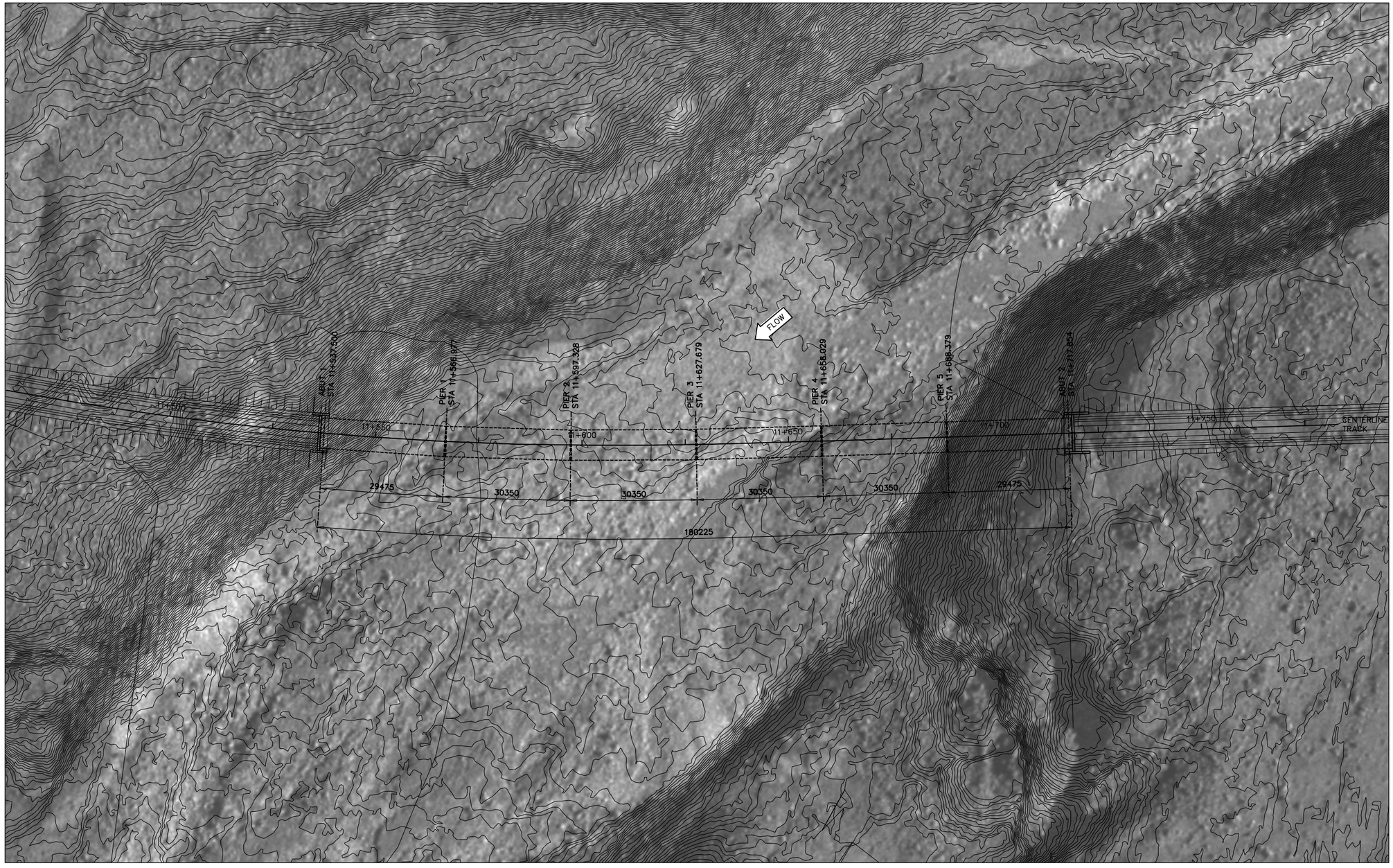
REV.

CAD FILE:

USER: BARNES, RHIANA

PLOTTED: 25-Nov-11 10:54 AM

SAVED: 19/08/2011 6:52:46 PM 6:52 PM



NOTES

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REV	DDMMMYY	REVISION	DR	CHK	APP	APP	APP	APP
1	30SEP11	ISSUED FOR ENVIRONMENTAL IMPACT STATEMENT (EIS)						
0	30SEP08	ISSUED FOR ENVIRONMENTAL IMPACT STATEMENT (EIS)						

ISS	DDMMMYY	APP	ISSUED FOR

REF	NUMBER	TITLE

STAMP/SEAL

Client Mgr. Engineering Mgr. Project Mgr.

PROJECT PHASE: LAND PERMIT APPLICATION

AREA 5200

RAILWAY MAIN LINE

PROJECT NO.

ACTIVITY NO.

	BY	DDMMMYY
DSN	KGW	01AUG11
DRN	RCB	01AUG11
CHK	JAS	01SEPT11
APP		

SCALE 1:500

PACKAGE CODE

SUBJECT: BR-011-1 PHOTO MOSAIC

Baffinland Iron Mines Corporation

CANARAIL

PROJECT NUMBER 1:500 1070080

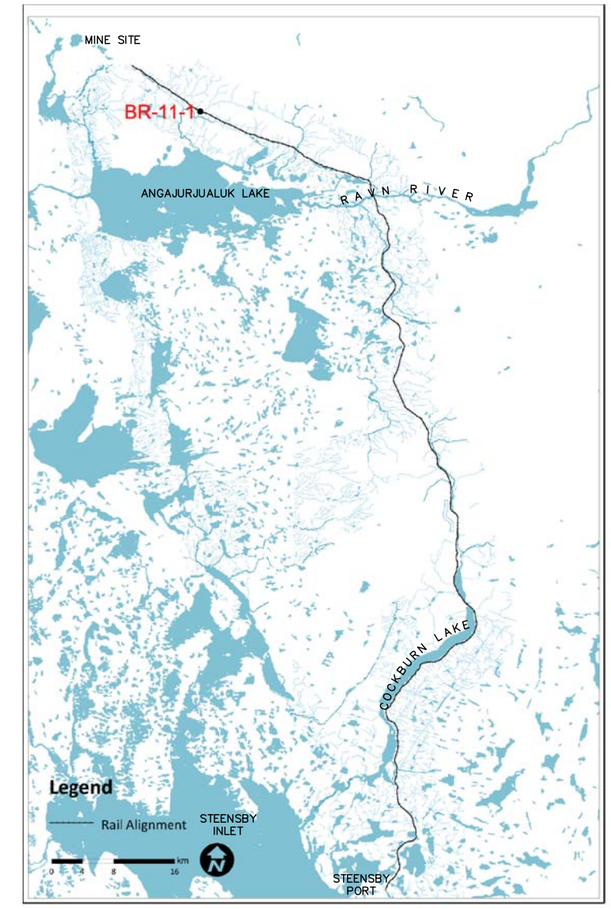
DILLON CONSULTING

DRAWING NO. A1-159952-5200-122-6202-03

REV.

CAD FILE:

USER: MACKENZIE, STEVE
PLOTTED: 25-Nov-11 9:53 AM
SAVED: 19/08/2011 6:52:46 PM 6:52 PM



LOCATION KEY PLAN

NOTES

1. THE WATERCOURSE CROSSED BY THIS STRUCTURE IS REFERENCED AS NUMBER 30 IN THE REPORT 'FISH HABITAT ASSESSMENTS ALONG THE STEENSBY RAIL CORRIDOR' PREPARED BY KNIGHT PIESOLD CONSULTING AND DATED FEBRUARY 2008.

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 PURPOSE.

REV	DDMMMYY	REVISION	DR	CHK	APP	APP	APP	APP	ISS	DDMMMYY	APP	ISSUED FOR
1	30SEP11	ISSUED FOR ENVIRONMENTAL IMPACT STATEMENT (EIS)										
0	30SEP08	ISSUED FOR ENVIRONMENTAL IMPACT STATEMENT (EIS)										

REF	NUMBER	TITLE

STAMP/SEAL

Client Mgr. Engineering Mgr. Project Mgr.

PROJECT PHASE: LAND PERMIT APPLICATION

PROJECT NO. | ACTIVITY NO. | SCALE | PACKAGE CODE

	BY	DDMMMYY
DSN	KGW	01AUG11
DRN	RCB	01AUG11
CHK	JAS	01SEPT11
APP		

Baffinland Iron Mines Corporation

AREA 5200 | RAILWAY MAIN LINE

SUBJECT: BR-011-1 SITE PHOTOS

CANARAIL

DILLON CONSULTING

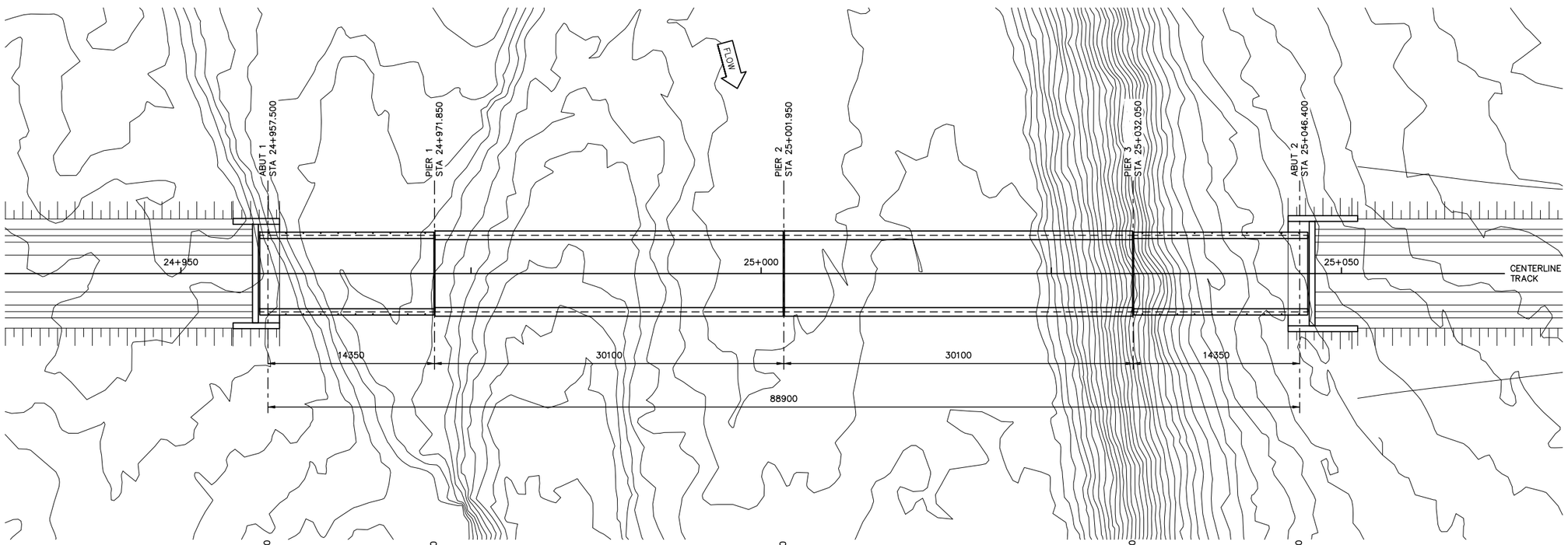
PROJECT NUMBER 1070070

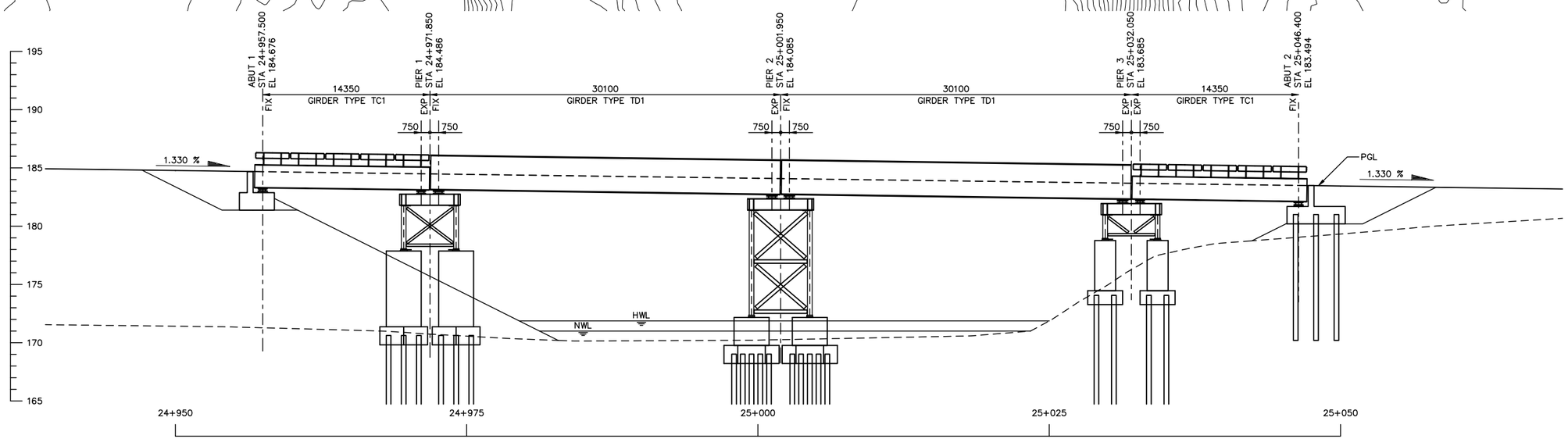
DRAWING NO. A1-159952-5200-122-6202-04

REV.

CAD FILE:

SAVED: 19/08/2011 6:52:46 PM PLOTTED: 25-Nov-11 10:55 AM USER: BARNES, RHIANA





NOTES

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2. CONTOURS SHOWN ON THIS DRAWING REPRESENT EXISTING GRADE ONLY.
3. THE REFERENCE POINT LOCATING THIS STRUCTURE IS AT THE INTERSECTION BETWEEN THE ALIGNMENT REFERENCE LINE AND THE LOW STATION ABUTMENT BEARING CENTERLINE.

   THIS POINT IS LOCATED AS FOLLOWS:

   STA 24+957.500

   E 585351.592 N 7900074.010 ZONE 17W

   LATITUDE 71°11'17.985" N

   LONGITUDE 78°37'40.456" W
4. ALL DIMENSIONS ARE GIVEN ALONG THE CONTROL LINE UNO. THE CONTROL LINE IS ALSO THE PROFILE GRADE LINE (PGL) AND IS LOCATED AT CENTERLINE TRACK / TOP OF SUB-BALLAST.
5. THE WATERCOURSE CROSSED BY THIS STRUCTURE IS REFERENCED AS NUMBER 61 IN THE REPORT 'FISH HABITAT ASSESSMENTS ALONG THE STEENSBY RAIL CORRIDOR' PREPARED BY KNIGHT PIESOLD CONSULTING AND DATED FEBRUARY 2008.
6. THIS CROSSING IS DEFINED AS NON-NAVIGABLE.
7. FISH HABITAT RATING IS 'NONE'.
8. HIGH WATER LEVEL (HWL) = 171.870

   HWL FREEBOARD = 10.184 METERS
9. NORMAL WATER LEVEL (NWL) = 171.000

   NWL FREEBOARD = 11.054 METERS

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 PURPOSE.

REV	DDMMMYY	REVISION	DR	CHK	APP	APP	APP	APP	ISS	DDMMMYY	APP	ISSUED FOR
1	30SEP11	ISSUED FOR ENVIRONMENTAL IMPACT STATEMENT (EIS)										
0	30SEP08	ISSUED FOR ENVIRONMENTAL IMPACT STATEMENT (EIS)										

REF	NUMBER	TITLE

REFERENCES

STAMP/SEAL

Client Mgr. Engineering Mgr. Project Mgr.

PROJECT PHASE: LAND PERMIT APPLICATION

AREA 5200

RAILWAY MAIN LINE

Baffinland Iron Mines Corporation

CANARAIL

DILLON CONSULTING

PROJECT NUMBER 1:200 1090010

PROJECT NO.	ACTIVITY NO.		BY	DDMMMYY
		DSN	KGW	01AUG11
		DRN	RCB	01AUG11
		CHK	JAS	01SEPT11
		APP		

SCALE 1:200

PACKAGE CODE

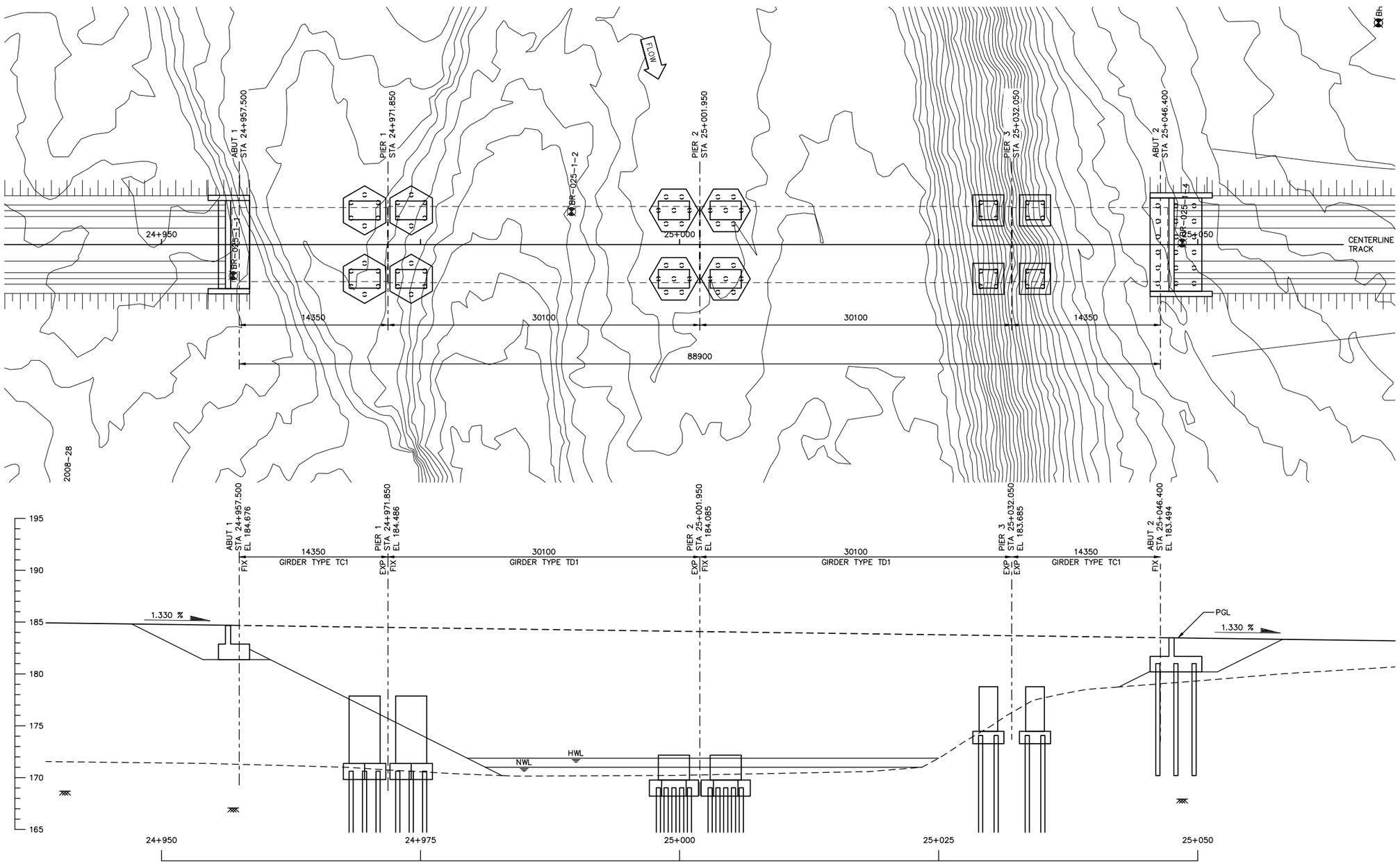
SUBJECT: BR-025-1 GENERAL PLAN AND ELEVATION

DRAWING NO. A1-159952-5200-122-6203-01

REV.

CAD FILE:

SAVED: 19/08/2011 6:52:46 PM PLOTTED: 25-Nov-11 10:55 AM USER: BARNES, RHIANA



LEGEND

- APPROXIMATE BOREHOLE LOCATION. SEE GEOTECHNICAL REPORT FOR EXACT LOCATION AND ADDITIONAL INFORMATION.
- APPROXIMATE BEDROCK ELEVATION. SEE GEOTECHNICAL REPORT FOR EXACT ELEVATION AND ADDITIONAL INFORMATION.

BOREHOLES

ALL VALUES GIVEN BELOW ARE APPROXIMATE.

BOREHOLE	STATION	OFFSET	BEDROCK ELEV'N
BH4-2008-28	24+941	26 R	168.7
BR-025-1-1	24+957	3 R	167.1
BR-025-1-2	24+990	3 L	164.4
BR-025-1-4	25+049	0 R	167.9

NOTES

1. STRUCTURES SHOWN ON THIS DRAWING ARE SCHEMATIC ONLY. REFER TO DETAIL SHEETS IN OTHER SECTIONS OF THE DRAWING SET FOR MORE INFORMATION.
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REV	DDMMMYY	REVISION	DR	CHK	APP	APP	APP	APP	ISS	DDMMMYY	APP	ISSUED FOR
1	30SEP11	ISSUED FOR ENVIRONMENTAL IMPACT STATEMENT (EIS)										
0	30SEP08	ISSUED FOR ENVIRONMENTAL IMPACT STATEMENT (EIS)										

REF	NUMBER	TITLE

STAMP/SEAL

Client Mgr. | Engineering Mgr. | Project Mgr.

PROJECT PHASE: LAND PERMIT APPLICATION

AREA 5200

RAILWAY MAIN LINE

PROJECT NO. | ACTIVITY NO.

	BY	DDMMMYY
DSN	KGW	01AUG11
DRN	RCB	01AUG11
CHK	JAS	01SEPT11
APP		

SCALE 1:200

PACKAGE CODE

SUBJECT: BR-025-1 FOUNDATION LAYOUT

Baffinland Iron Mines Corporation

CANARAIL

DILLON CONSULTING

PROJECT NUMBER 1:200 1080020

DRAWING NO. A1-159952-5200-122-6203-02

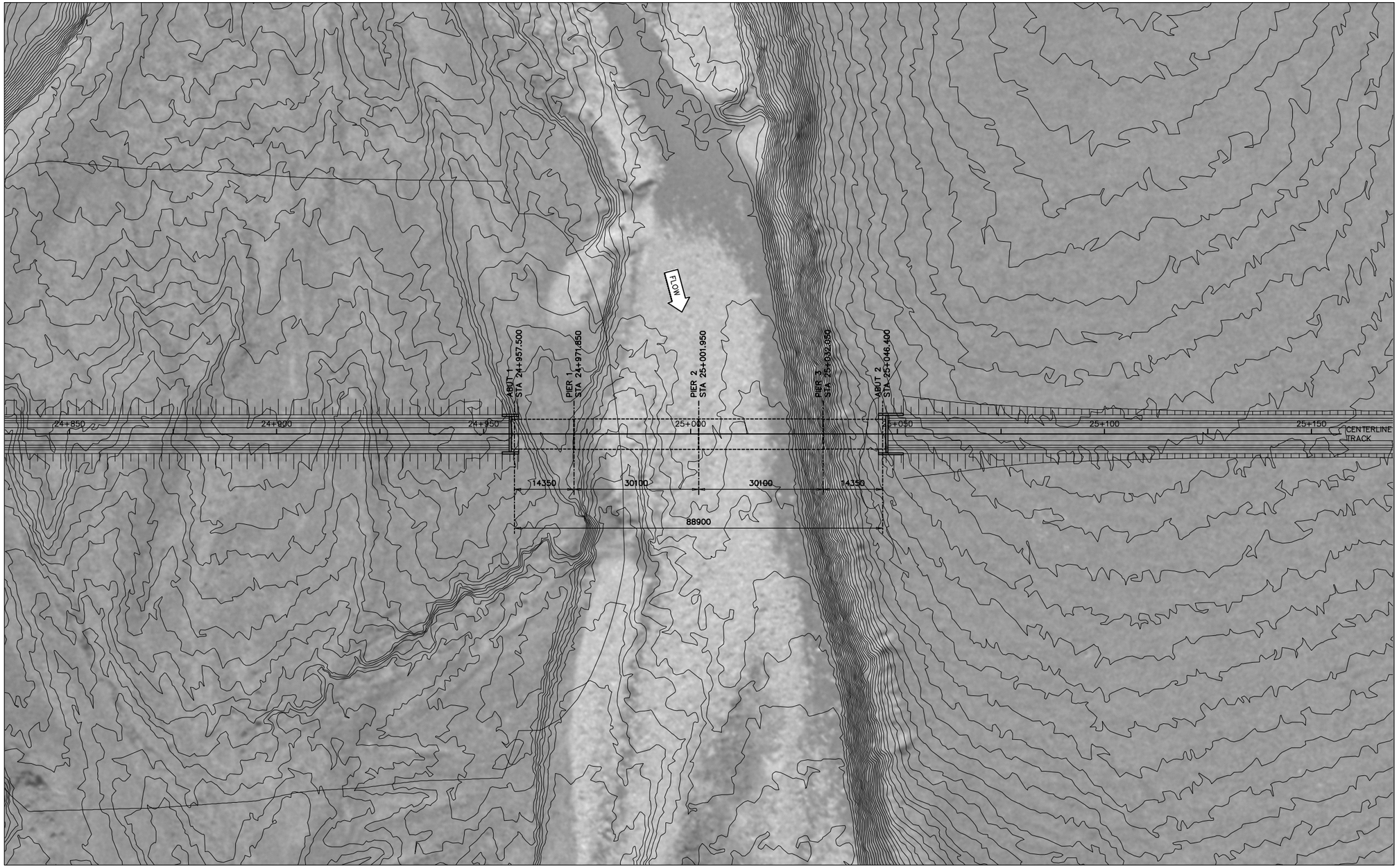
REV.

CAD FILE:

USER: BARNES, RHIANA

PLOTTED: 25-Nov-11 10:55 AM

SAVED: 19/08/2011 6:52:46 PM



NOTES

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REV	DDMMMYY	REVISION	DR	CHK	APP	APP	APP	APP
1	30SEP11	ISSUED FOR ENVIRONMENTAL IMPACT STATEMENT (EIS)						
0	30SEP08	ISSUED FOR ENVIRONMENTAL IMPACT STATEMENT (EIS)						

ISS	DDMMMYY	APP	ISSUED FOR

REF	NUMBER	TITLE

REFERENCES

STAMP/SEAL

Client Mgr. Engineering Mgr. Project Mgr.

PROJECT PHASE: LAND PERMIT APPLICATION

PROJECT NO. | ACTIVITY NO. | SCALE: 1:500 | PACKAGE CODE

	BY	DDMMMYY
DSN	KGW	01AUG11
DRN	RCB	01AUG11
CHK	JAS	01SEPT11
APP		

Baffinland Iron Mines Corporation

AREA 5200

RAILWAY MAIN LINE

SUBJECT: BR-025-1 PHOTO MOSAIC

CANARAIL

PROJECT NUMBER

1:500 1090060

DILLON CONSULTING

DRAWING NO. A1-159952-5200-122-6203-03

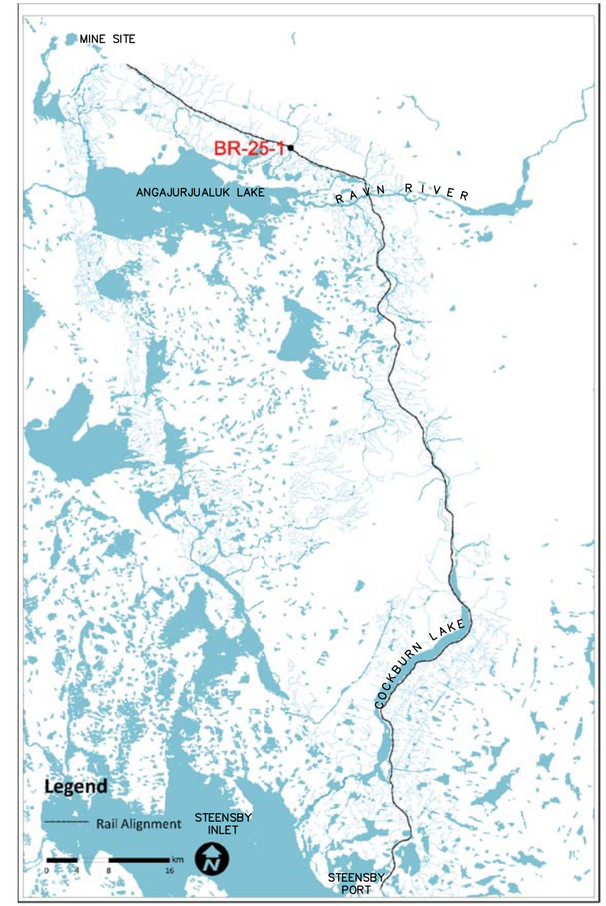
REV.

CAD FILE:

USER: MACKENZIE, STEVE

PLOTTED: 25-Nov-11 9:56 AM

SAVED: 19/08/2011 6:52:46 PM 6:52 PM



LOCATION KEY PLAN

NOTES

1. THE WATERCOURSE CROSSED BY THIS STRUCTURE IS REFERENCED AS NUMBER 61 IN THE REPORT 'FISH HABITAT ASSESSMENTS ALONG THE STEENSBY RAIL CORRIDOR' PREPARED BY KNIGHT PIESOLD CONSULTING AND DATED FEBRUARY 2008.

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REV	DDMMMYY	REVISION	DR	CHK	APP	APP	APP	APP	ISS	DDMMMYY	APP	ISSUED FOR
1	30SEP11	ISSUED FOR ENVIRONMENTAL IMPACT STATEMENT (EIS)										
0	30SEP08	ISSUED FOR ENVIRONMENTAL IMPACT STATEMENT (EIS)										

REF	NUMBER	TITLE

REFERENCES

STAMP/SEAL

Client Mgr. | Engineering Mgr. | Project Mgr.

PROJECT PHASE: LAND PERMIT APPLICATION

AREA 5200

RAILWAY MAIN LINE

PROJECT NO. | ACTIVITY NO. | SCALE | PACKAGE CODE

	BY	DDMMMYY
DSN	KGW	01AUG11
DRN	RCB	01AUG11
CHK	JAS	01SEPT11
APP		

SUBJECT: BR-025-1 SITE PHOTOS

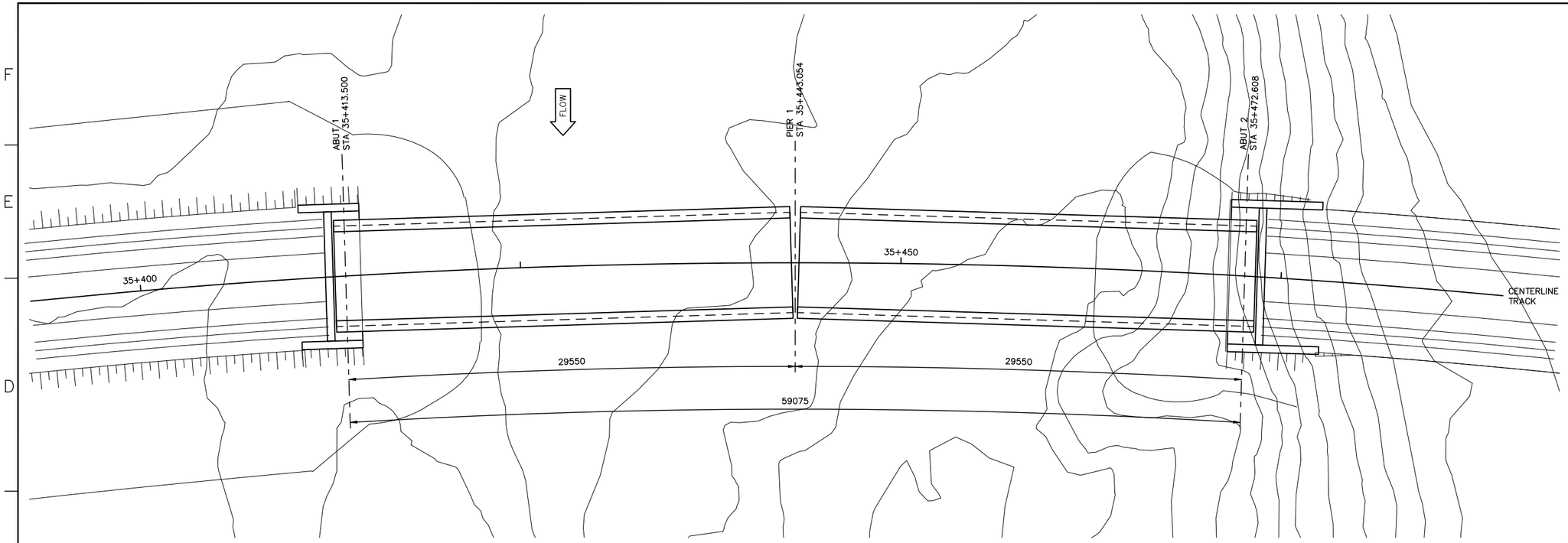
PROJECT NUMBER

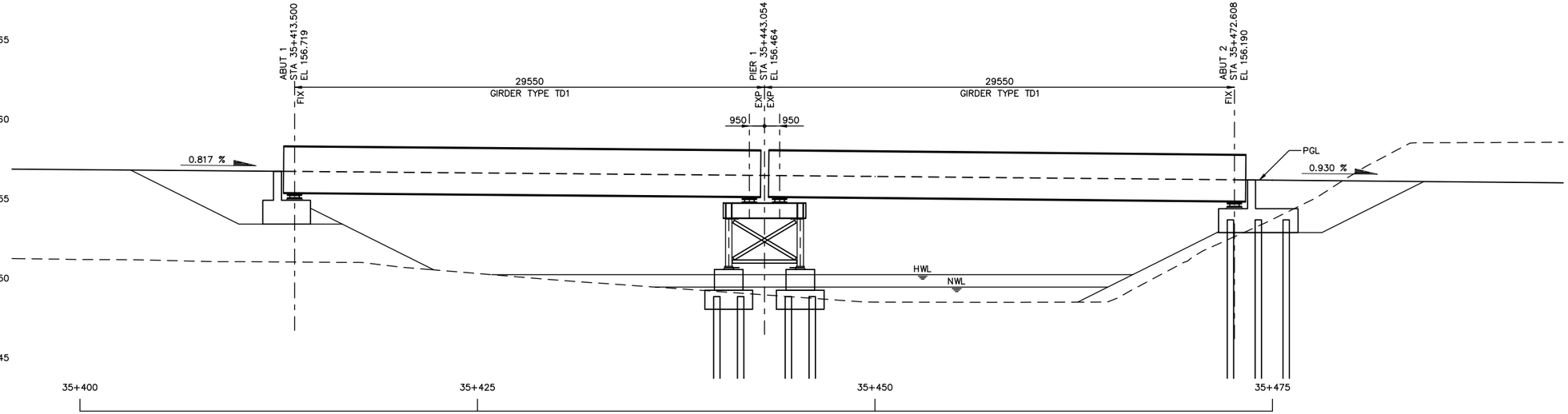
DRAWING NO. A1-159952-5200-122-6203-04

REV.

CAD FILE:

USER: BARNES, RHIANA PLOTTED: 25-Nov-11 10:55 AM SAVED: 19/08/2011 6:52:46 PM





NOTES

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3. THE REFERENCE POINT LOCATING THIS STRUCTURE IS AT THE INTERSECTION BETWEEN THE ALIGNMENT REFERENCE LINE AND THE LOW STATION ABUTMENT BEARING CENTERLINE.

   THIS POINT IS LOCATED AS FOLLOWS:

   STA 35+413.500

   E 594793.500 N 7896047.572 ZONE 17W

   LATITUDE 71°08'55.558" N

   LONGITUDE 78°22'14.463" W
4. ALL DIMENSIONS ARE GIVEN ALONG THE CONTROL LINE UNO. THE CONTROL LINE IS ALSO THE PROFILE GRADE LINE (PGL) AND IS LOCATED AT CENTERLINE TRACK / TOP OF SUB-BALLAST.
5. THIS CROSSING IS DEFINED AS NON-NAVIGABLE.
6. FISH HABITAT RATING IS 'IMPORTANT'.
7. HIGH WATER LEVEL (HWL) = 150.220

   HWL FREEBOARD = 4.510 METERS
8. NORMAL WATER LEVEL (NWL) = 149.440

   NWL FREEBOARD = 5.290 METERS
9. RIP-RAP PROTECTIVE ARMOURING FOR THE ABUTMENTS MAY BE REQUIRED. THE NEED FOR AND THE EXTENT OF THIS PROTECTION WILL BE ASSESSED AND ENGINEERED IN THE FIELD AFTER FILL PLACEMENT HAS BEEN COMPLETED.

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 PURPOSE.

REV	DDMMMYY	REVISION	DR	CHK	APP	APP	APP	APP	ISS	DDMMMYY	APP	ISSUED FOR
1	30SEP11	ISSUED FOR ENVIRONMENTAL IMPACT STATEMENT (EIS)										
0	30SEP08	ISSUED FOR ENVIRONMENTAL IMPACT STATEMENT (EIS)										

REF	NUMBER	TITLE

REFERENCES

STAMP/SEAL

Client Mgr. Engineering Mgr. Project Mgr.

PROJECT PHASE: LAND PERMIT APPLICATION

AREA 5200

RAILWAY MAIN LINE

Baffinland Iron Mines Corporation

CANARAIL

DILLON CONSULTING

PROJECT NUMBER 1:150 11100010

PROJECT NO.	ACTIVITY NO.		BY	DDMMMYY
		DSN	KGW	01AUG11
		DRN	RCB	01AUG11
SCALE 1:150	PACKAGE CODE	CHK	JAS	01SEPT11
		APP		

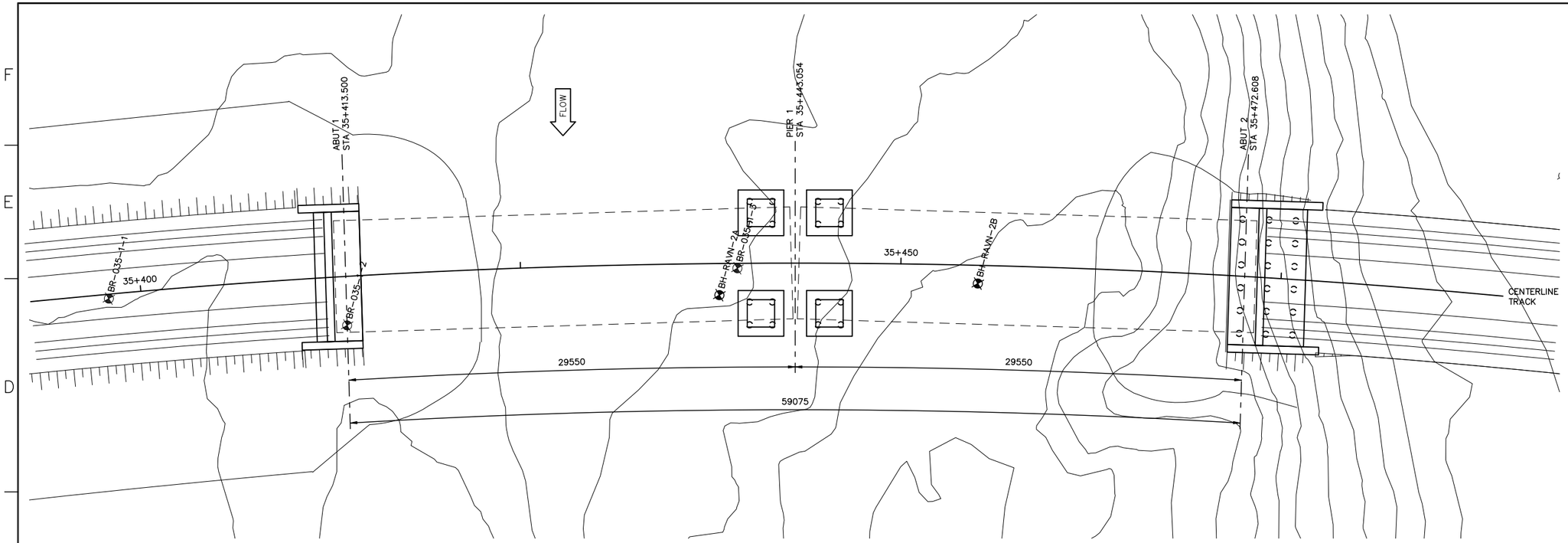
SUBJECT: NBR-035-1 GENERAL PLAN AND ELEVATION

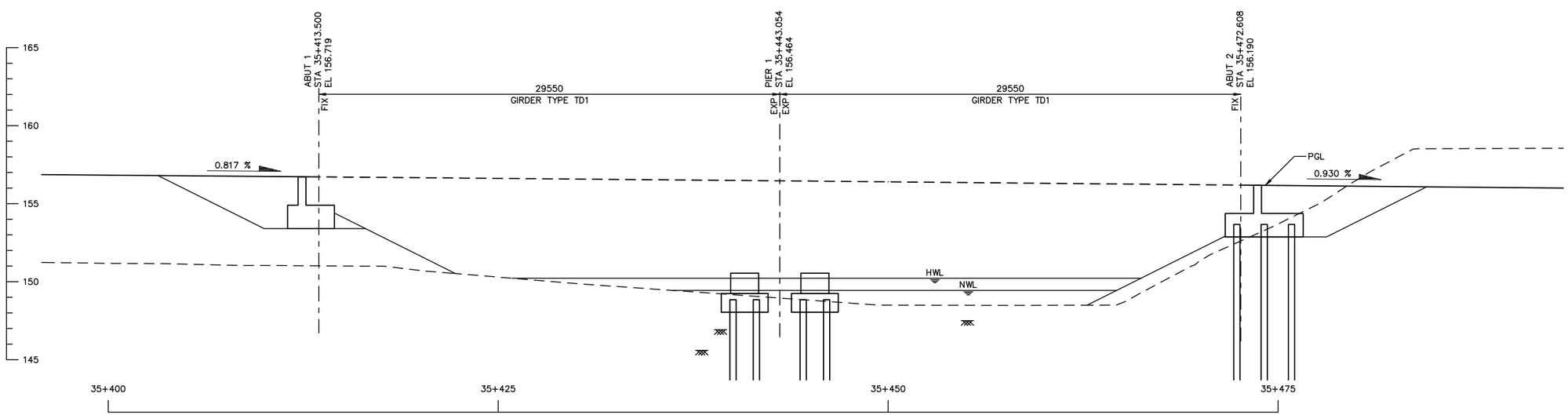
DRAWING NO. A1-159952-5200-122-6204-01

REV.

CAD FILE:

USER: BARNES, RHIANA PLOTTED: 25-Nov-11 10:55 AM SAVED: 19/08/2011 6:52:46 PM





LEGEND

APPROXIMATE BOREHOLE LOCATION. SEE GEOTECHNICAL REPORT FOR EXACT LOCATION AND ADDITIONAL INFORMATION.

APPROXIMATE BEDROCK ELEVATION. SEE GEOTECHNICAL REPORT FOR EXACT ELEVATION AND ADDITIONAL INFORMATION.

BOREHOLES

ALL VALUES GIVEN BELOW ARE APPROXIMATE.

BOREHOLE	STATION	OFFSET	BEDROCK ELEV'N
BH-RAVN-2A	35+438	2 R	145.6
BH-RAVN-2B	35+455	1 R	147.5
BR-035-1-1	35+398	0 R	140.7
BR-035-1-2	35+413	3 R	142.3
BR-035-1-3	35+439	0 R	146.9

NOTES

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1	30SEP11	ISSUED FOR ENVIRONMENTAL IMPACT STATEMENT (EIS)										
0	30SEP08	ISSUED FOR ENVIRONMENTAL IMPACT STATEMENT (EIS)										

REF	NUMBER	TITLE

REFERENCES

STAMP/SEAL

Client Mgr. | Engineering Mgr. | Project Mgr.

PROJECT PHASE: LAND PERMIT APPLICATION

AREA 5200

Baffinland Iron Mines Corporation

RAILWAY MAIN LINE

CANARAIL

DILLON CONSULTING

PROJECT NUMBER

1:150

PROJECT NO.	ACTIVITY NO.		BY	DDMMMYY
		DSN	KGW	01AUG11
		DRN	RCB	01AUG11
SCALE 1:150	PACKAGE CODE	CHK	JAS	01SEPT11
		APP		

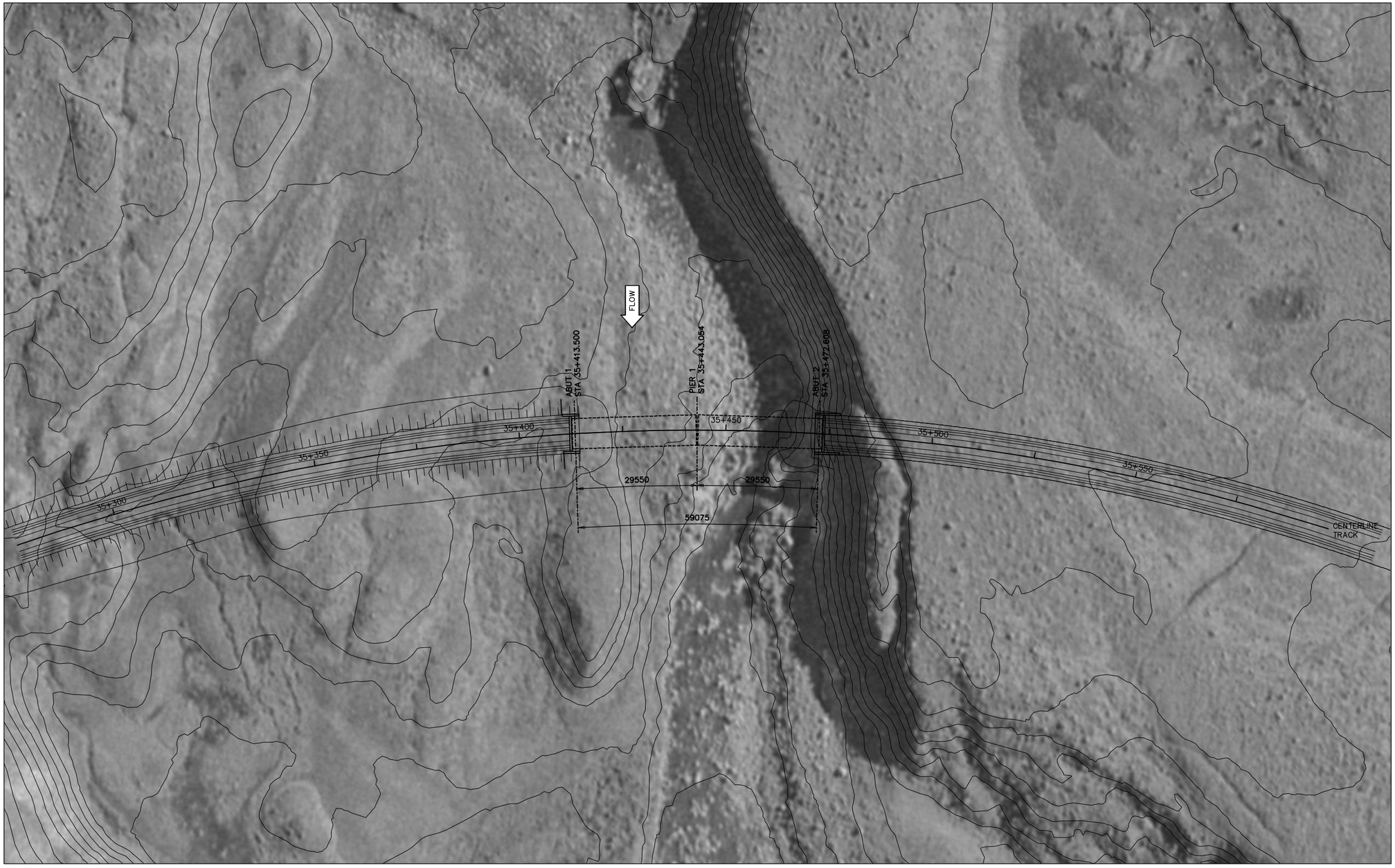
SUBJECT: NBR-035-1 FOUNDATION LAYOUT

DRAWING NO. A1-159952-5200-122-6204-02

REV.

CAD FILE:

SAVED: 19/08/2011 6:52:46 PM PLOTTED: 25-Nov-11 10:55 AM USER: BARNES, RHIANA



NOTES

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REV	DDMMMYY	REVISION	DR	CHK	APP	APP	APP	APP
1	30SEP11	ISSUED FOR ENVIRONMENTAL IMPACT STATEMENT (EIS)						
0	30SEP08	ISSUED FOR ENVIRONMENTAL IMPACT STATEMENT (EIS)						

ISS	DDMMMYY	APP	ISSUED FOR

REF	NUMBER	TITLE

REFERENCES

STAMP/SEAL

Client Mgr. Engineering Mgr. Project Mgr.

PROJECT PHASE: LAND PERMIT APPLICATION

AREA: 5200

RAILWAY MAIN LINE

PROJECT NO. | ACTIVITY NO. | SCALE: 1:500 | PACKAGE CODE

	BY	DDMMMYY
DSN	KGW	01AUG11
DRN	RCB	01AUG11
CHK	JAS	01SEPT11
APP		

SUBJECT: NBR–035–1 PHOTO MOSAIC

PROJECT NUMBER

DRAWING NO.: A1–159952–5200–122–6204–03

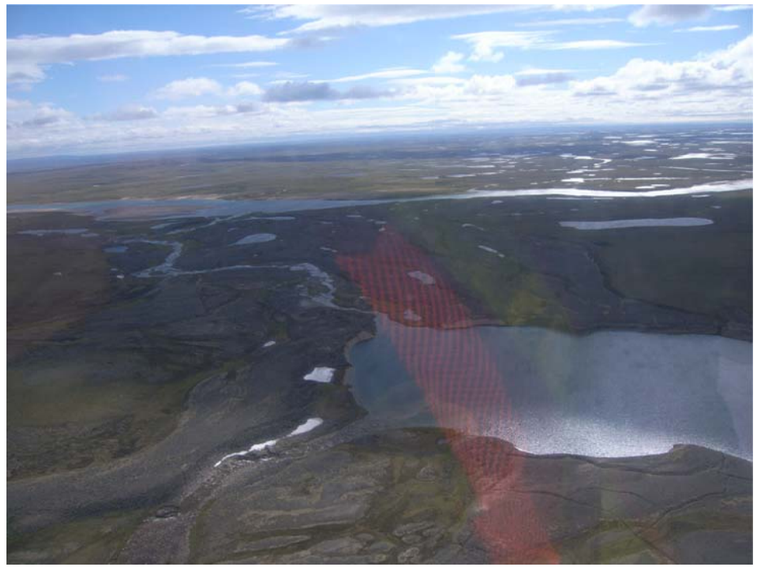
REV.

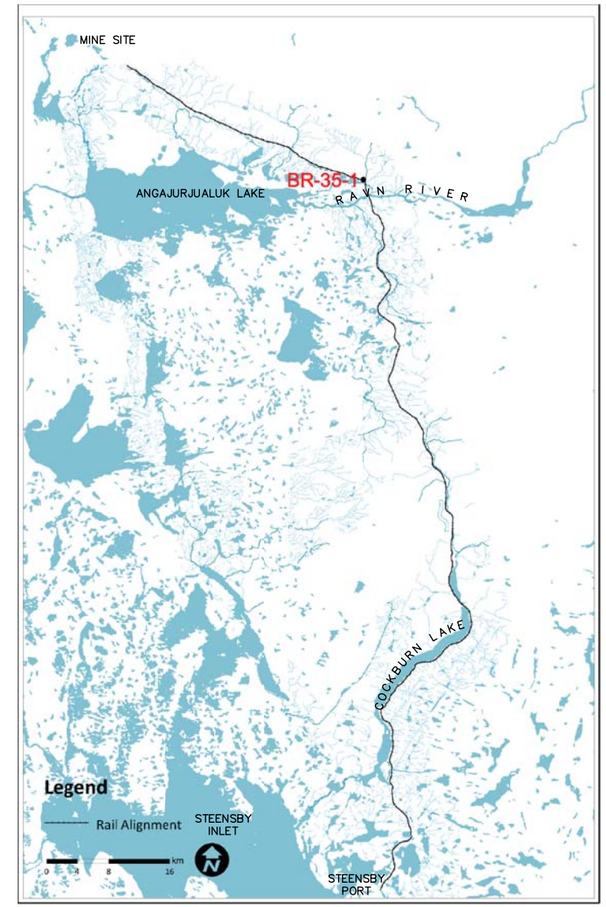
CAD FILE:

USER: MACKENZIE, STEVE

PLOTTED: 25–Nov–11 10:27 AM

SAVED: 19/08/2011 6:52:46 PM 6:52 PM





LOCATION KEY PLAN

NOTES

1. THIS IMAGE DOES NOT DEPICT THE LOCATION OF THIS STRUCTURE. THIS IMAGE IS A GENERAL OVERVIEW FOR THIS AREA.

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 PURPOSE.

REV	DDMMMYY	REVISION	DR	CHK	APP	APP	APP	APP	ISS	DDMMMYY	APP	ISSUED FOR
1	30SEP11	ISSUED FOR ENVIRONMENTAL IMPACT STATEMENT (EIS)										
0	30SEP08	ISSUED FOR ENVIRONMENTAL IMPACT STATEMENT (EIS)										

REF	NUMBER	TITLE

STAMP/SEAL

Client Mgr. Engineering Mgr. Project Mgr.

PROJECT PHASE: LAND PERMIT APPLICATION

AREA 5200

RAILWAY MAIN LINE

PROJECT NO.	ACTIVITY NO.		BY	DDMMMYY
		DSN	KGW	01AUG11
		DRN	RCB	01AUG11
SCALE	PACKAGE CODE	CHK	JAS	01SEPT11
		APP		

SUBJECT: NBR-035-1 SITE PHOTOS

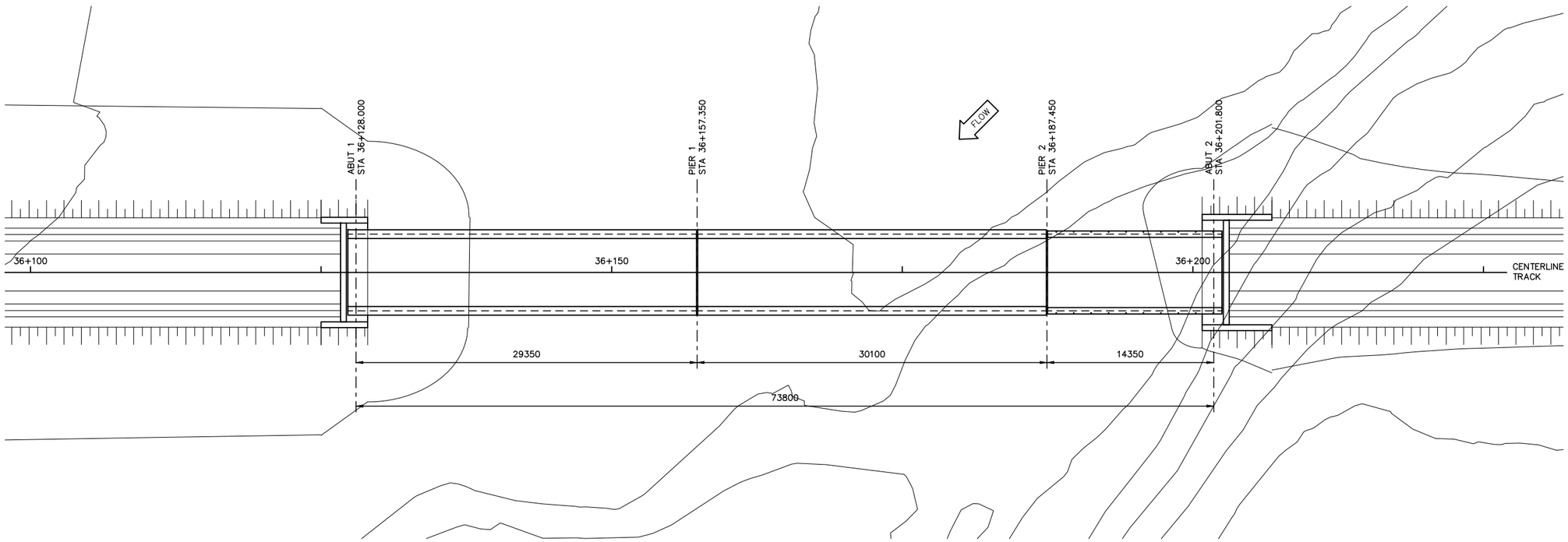
PROJECT NUMBER

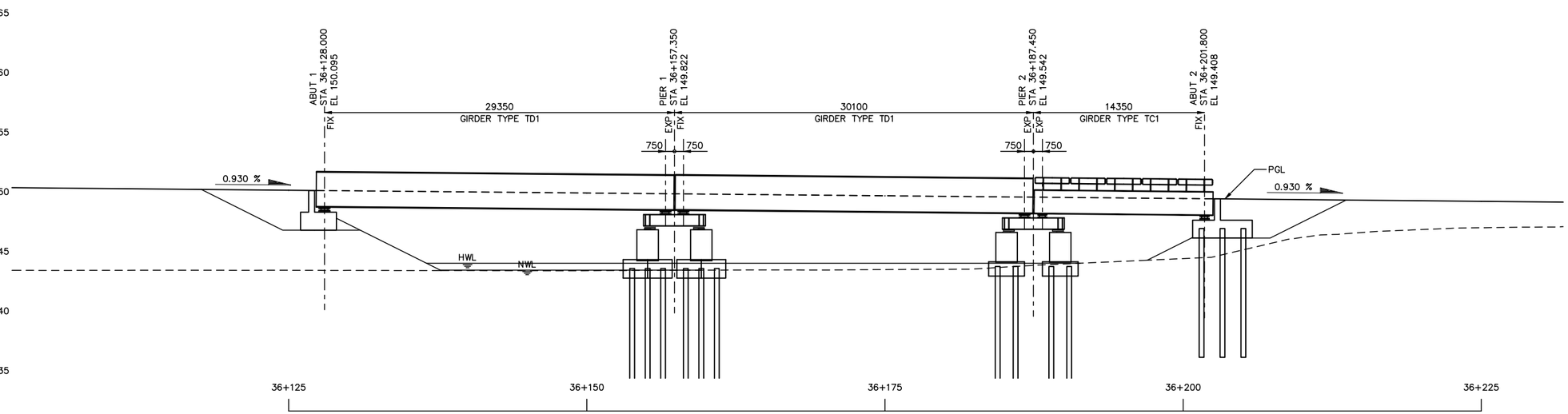
DRAWING NO. A1-159952-5200-122-6204-04

REV.

CAD FILE:

SAVED: 19/08/2011 6:52:46 PM PLOTTED: 25-Nov-11 10:55 AM USER: BARNES, RHIANA





NOTES

1. STRUCTURES SHOWN ON THIS DRAWING ARE SCHEMATIC ONLY. REFER TO DETAIL SHEETS IN OTHER SECTIONS OF THE DRAWING SET FOR MORE INFORMATION.
2. CONTOURS SHOWN ON THIS DRAWING REPRESENT EXISTING GRADE ONLY.
3. THE REFERENCE POINT LOCATING THIS STRUCTURE IS AT THE INTERSECTION BETWEEN THE ALIGNMENT REFERENCE LINE AND THE LOW STATION ABUTMENT BEARING CENTERLINE.

   THIS POINT IS LOCATED AS FOLLOWS:

   STA 36+128.000

   E 595073.327 N 7895436.358 ZONE 17W

   LATITUDE 71°08'35.458" N

   LONGITUDE 78°21'49.215" W
4. ALL DIMENSIONS ARE GIVEN ALONG THE CONTROL LINE UNO. THE CONTROL LINE IS ALSO THE PROFILE GRADE LINE (PGL) AND IS LOCATED AT CENTERLINE TRACK / TOP OF SUB-BALLAST.
5. THIS CROSSING IS DEFINED AS NON-NAVIGABLE.
6. FISH HABITAT RATING IS 'IMPORTANT'.
7. HIGH WATER LEVEL (HWL) = 144.000

   HWL FREEBOARD = 3.968 METERS
8. NORMAL WATER LEVEL (NWL) = 143.260

   NWL FREEBOARD = 4.708 METERS
9. RIP-RAP PROTECTIVE ARMOURING FOR THE ABUTMENTS MAY BE REQUIRED. THE NEED FOR AND THE EXTENT OF THIS PROTECTION WILL BE ASSESSED AND ENGINEERED IN THE FIELD AFTER FILL PLACEMENT HAS BEEN COMPLETED.

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 PURPOSE.

REV	DDMMMYY	REVISION	DR	CHK	APP	APP	APP	APP	ISS	DDMMMYY	APP	ISSUED FOR
1	30SEP11	ISSUED FOR ENVIRONMENTAL IMPACT STATEMENT (EIS)										
0	30SEP08	ISSUED FOR ENVIRONMENTAL IMPACT STATEMENT (EIS)										

REF	NUMBER	TITLE

REFERENCES

STAMP/SEAL

Client Mgr. | Engineering Mgr. | Project Mgr.

PROJECT PHASE: LAND PERMIT APPLICATION

AREA 5200

RAILWAY MAIN LINE

Baffinland Iron Mines Corporation

CANARAIL

DILLON CONSULTING

PROJECT NUMBER

1:200

1110010

PROJECT NO. | ACTIVITY NO. | SCALE 1:200 | PACKAGE CODE

	BY	DDMMMYY
DSN	KGW	01AUG11
DRN	RCB	01AUG11
CHK	JAS	01SEPT11
APP		

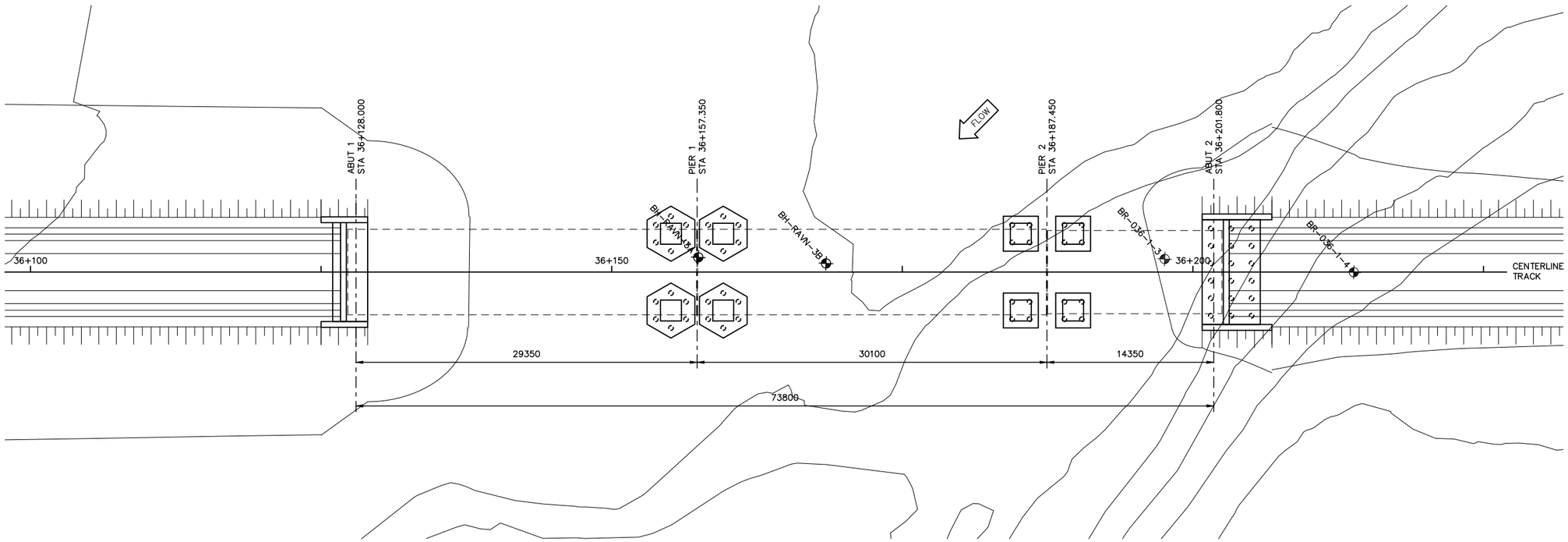
SUBJECT: NBR-036-1 GENERAL PLAN AND ELEVATION

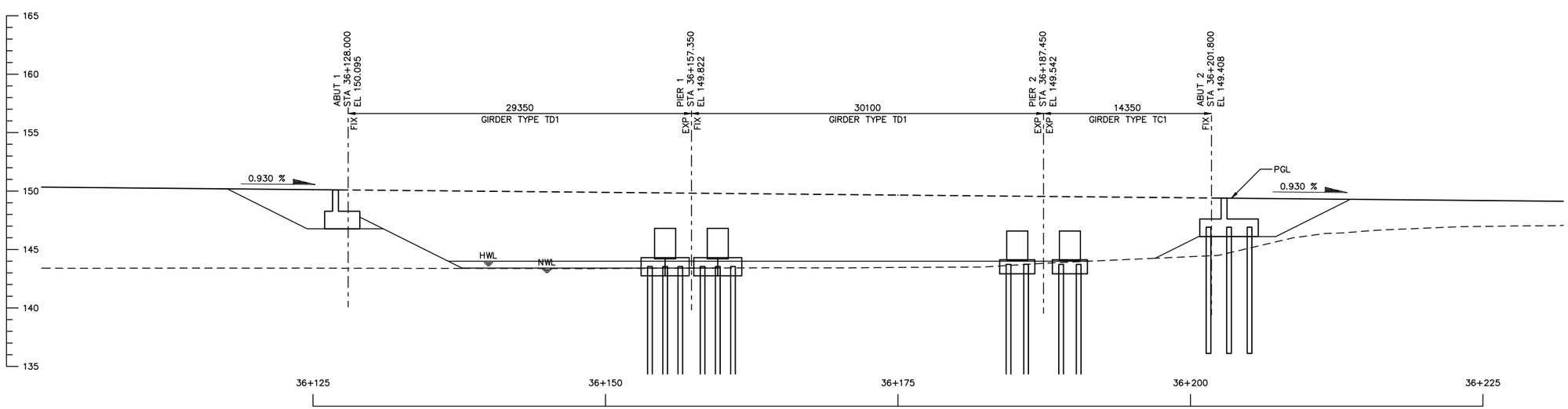
DRAWING NO. A1-159952-5200-122-6205-01

REV.

CAD FILE:

SAVED: 19/08/2011 6:52:46 PM PLOTTED: 25-Nov-11 10:55 AM USER: BARNES, RHIANA





LEGEND

APPROXIMATE BOREHOLE LOCATION. SEE GEOTECHNICAL REPORT FOR EXACT LOCATION AND ADDITIONAL INFORMATION.

APPROXIMATE BEDROCK ELEVATION. SEE GEOTECHNICAL REPORT FOR EXACT ELEVATION AND ADDITIONAL INFORMATION.

BOREHOLES

ALL VALUES GIVEN BELOW ARE APPROXIMATE.

BOREHOLE	STATION	OFFSET	BEDROCK ELEV'N
BH-RAVN-3A	36+157	1 L	129.0
BH-RAVN-3B	36+168	1 L	130.8
BR-036-1-3	36+198	1 L	132.6
BR-036-1-4	36+214	0 R	133.2

NOTES

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REV	DDMMMYY	REVISION	DR	CHK	APP	APP	APP	APP	ISS	DDMMMYY	APP	ISSUED FOR
1	30SEP11	ISSUED FOR ENVIRONMENTAL IMPACT STATEMENT (EIS)										
0	30SEP08	ISSUED FOR ENVIRONMENTAL IMPACT STATEMENT (EIS)										

REF	NUMBER	TITLE

REFERENCES

STAMP/SEAL

Client Mgr. Engineering Mgr. Project Mgr.

PROJECT PHASE: LAND PERMIT APPLICATION

AREA 5200

RAILWAY MAIN LINE

Baffinland Iron Mines Corporation

CANARAIL

DILLON CONSULTING

PROJECT NUMBER 1:200 1110020

PROJECT NO. | ACTIVITY NO. | SCALE 1:200 | PACKAGE CODE

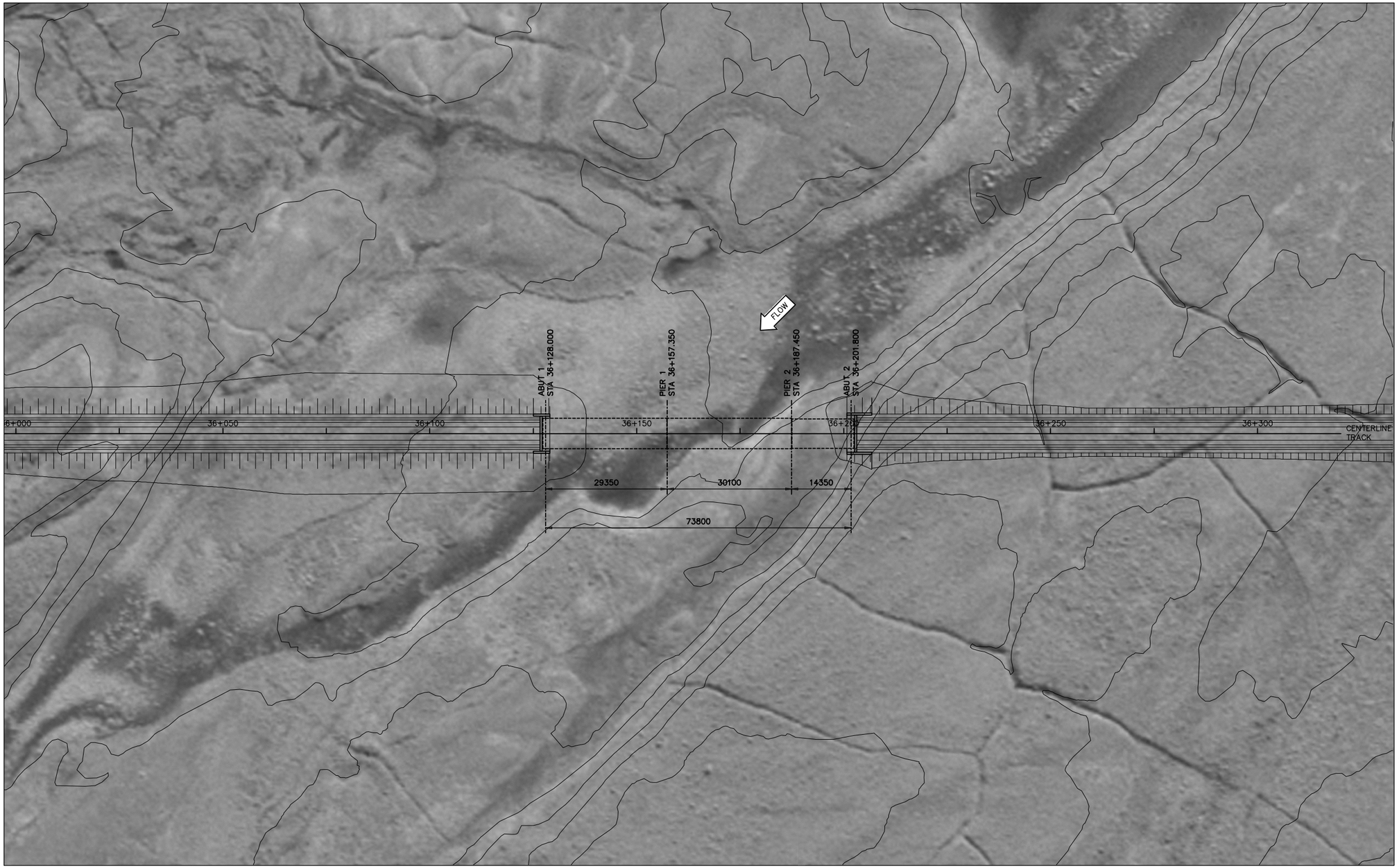
	BY	DDMMMYY
DSN	KGW	01AUG11
DRN	RCB	01AUG11
CHK	JAS	01SEPT11
APP		

SUBJECT: NBR-036-1 FOUNDATION LAYOUT

DRAWING NO. A1-159952-5200-122-6205-02

REV.

CAD FILE:



N S

NOTES

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REV	DDMMMYY	REVISION	DR	CHK	APP	APP	APP	APP	ISS	DDMMMYY	APP	ISSUED FOR
1	30SEP11	ISSUED FOR ENVIRONMENTAL IMPACT STATEMENT (EIS)										
0	30SEP08	ISSUED FOR ENVIRONMENTAL IMPACT STATEMENT (EIS)										

REF	NUMBER	TITLE

REFERENCES

STAMP/SEAL

Client Mgr. | Engineering Mgr. | Project Mgr.

PROJECT PHASE: LAND PERMIT APPLICATION

AREA: 5200

RAILWAY MAIN LINE

Baffinland Iron Mines Corporation

CANARAIL

DILLON CONSULTING

PROJECT NUMBER: 1110080

PROJECT NO.	ACTIVITY NO.		BY	DDMMMYY
		DSN	KGW	01AUG11
		DRN	RCB	01AUG11
		CHK	JAS	01SEPT11
		APP		

SCALE: 1:500

PACKAGE CODE:

SUBJECT: NBR-036-1 PHOTO MOSAIC

DRAWING NO.: A1-159952-5200-122-6205-03

REV.:

CAD FILE:

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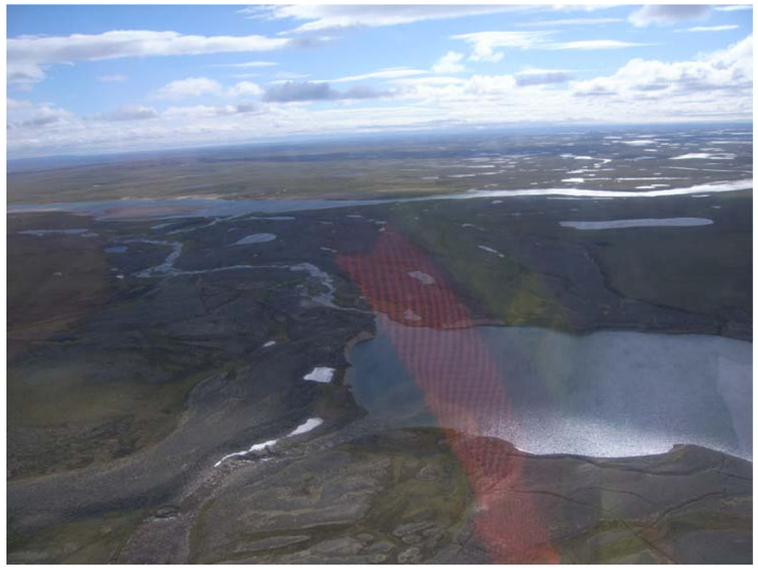

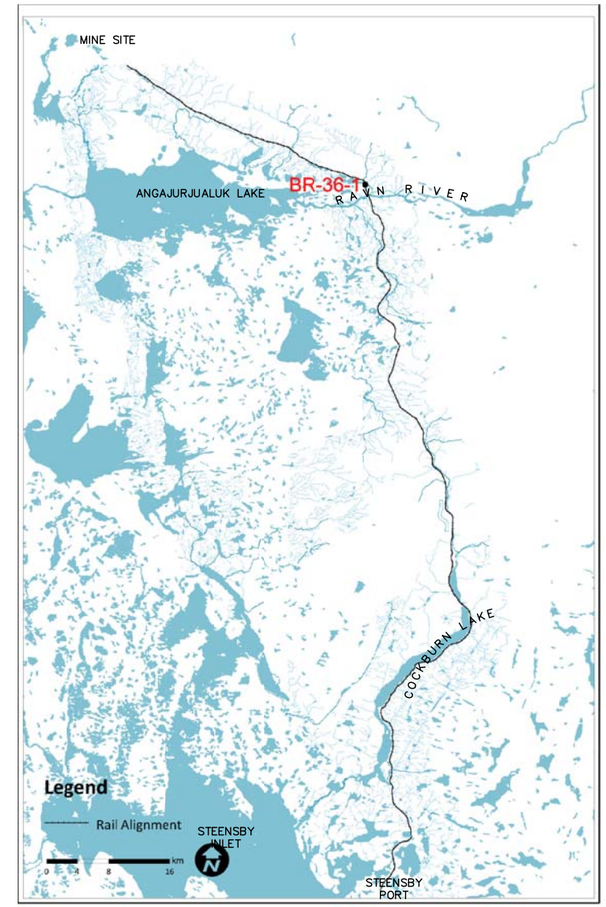

LOCATION KEY PLAN

NOTES

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1	30SEP11	ISSUED FOR ENVIRONMENTAL IMPACT STATEMENT (EIS)										
0	30SEP08	ISSUED FOR ENVIRONMENTAL IMPACT STATEMENT (EIS)										

REF	NUMBER	TITLE

STAMP/SEAL

Client Mgr. Engineering Mgr. Project Mgr.

PROJECT PHASE: LAND PERMIT APPLICATION

AREA: 5200

RAILWAY MAIN LINE

PROJECT NO.	ACTIVITY NO.		BY	DDMMMYY
		DSN	KGW	01AUG11
		DRN	RCB	01AUG11
SCALE	PACKAGE CODE	CHK	JAS	01SEPT11
		APP		

SUBJECT: NBR-036-1 SITE PHOTOS

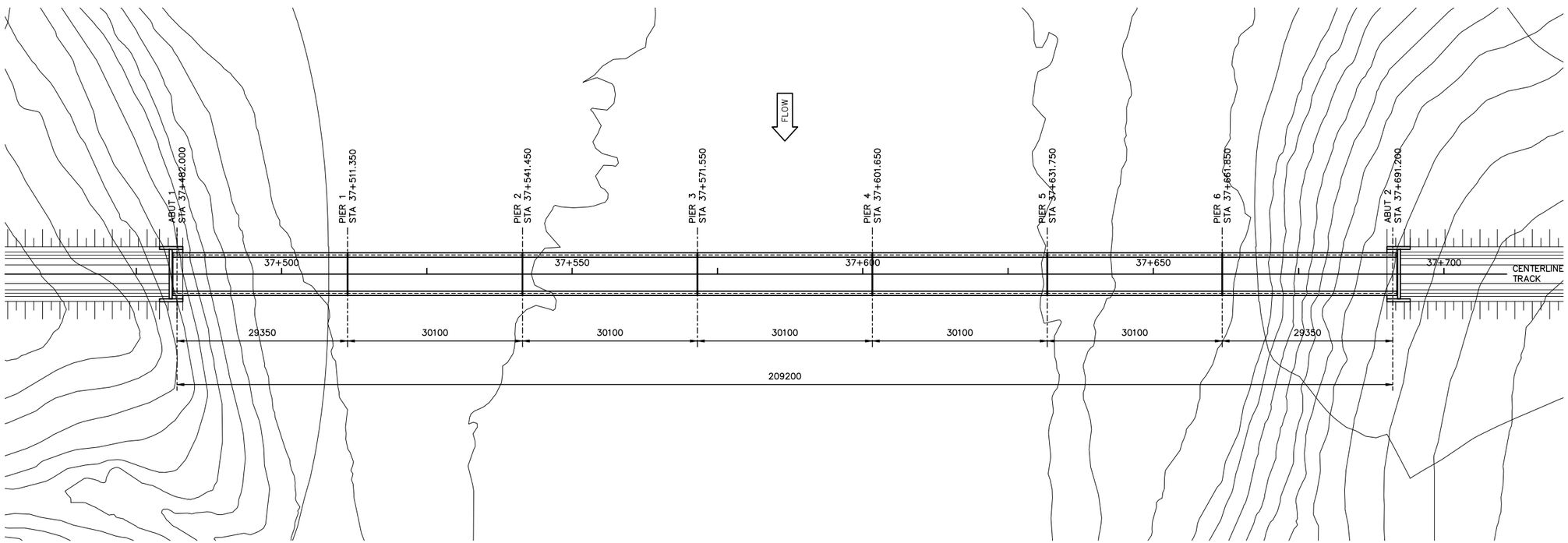
PROJECT NUMBER

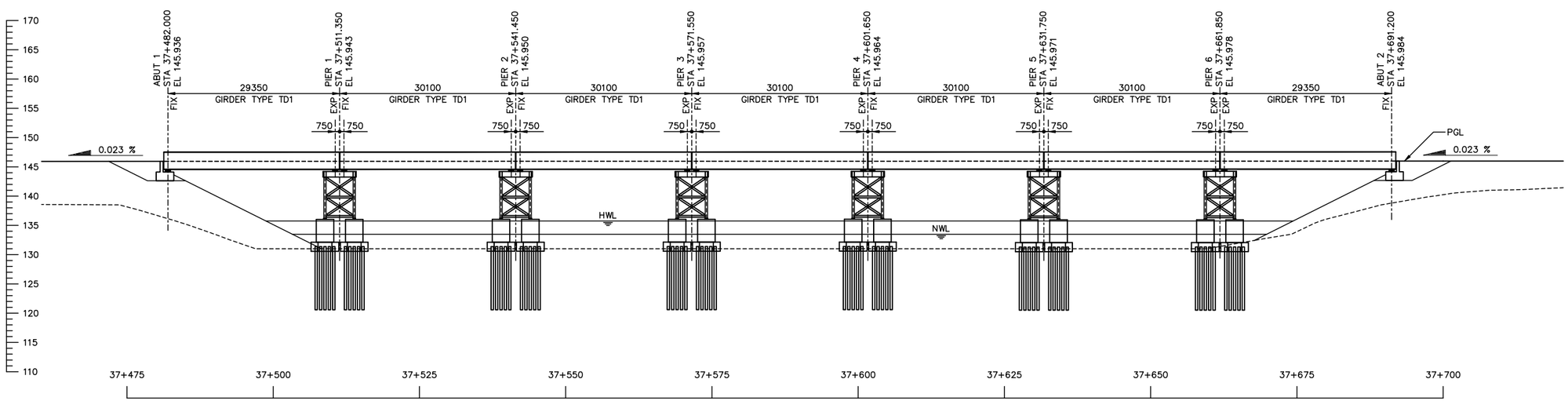
DRAWING NO.: A1-159952-5200-122-6205-04

REV.

CAD FILE:

SAVED: 19/08/2011 6:52:46 PM PLOTTED: 25-Nov-11 10:55 AM USER: BARNES, RHIANA





NOTES

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3. THE REFERENCE POINT LOCATING THIS STRUCTURE IS AT THE INTERSECTION BETWEEN THE ALIGNMENT REFERENCE LINE AND THE LOW STATION ABUTMENT BEARING CENTERLINE.

   THIS POINT IS LOCATED AS FOLLOWS:

   STA 37+482.000

   E 595409.566 N 7894141.382 ZONE 17W

   LATITUDE 71°07'53.230" N

   LONGITUDE 78°21'21.336" W
4. ALL DIMENSIONS ARE GIVEN ALONG THE CONTROL LINE UNO. THE CONTROL LINE IS ALSO THE PROFILE GRADE LINE (PGL) AND IS LOCATED AT CENTERLINE TRACK / TOP OF SUB-BALLAST.
5. THE WATERCOURSE CROSSED BY THIS STRUCTURE IS RAVN RIVER.
6. THIS CROSSING IS DEFINED AS A NAVIGABLE WATERWAY.
7. FISH HABITAT RATING IS 'IMPORTANT'.
8. HIGH WATER LEVEL (HWL) = 135.740

   HWL FREEBOARD = 8.736 METERS
9. NORMAL WATER LEVEL (NWL) = 133.480

   NWL FREEBOARD = 10.996 METERS

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 PURPOSE.

REV	DDMMMYY	REVISION	DR	CHK	APP	APP	APP	APP	ISS	DDMMMYY	APP	ISSUED FOR
1	30SEP11	ISSUED FOR ENVIRONMENTAL IMPACT STATEMENT (EIS)										
0	30SEP08	ISSUED FOR ENVIRONMENTAL IMPACT STATEMENT (EIS)										

REF	NUMBER	TITLE

STAMP/SEAL

Client Mgr. Engineering Mgr. Project Mgr.

PROJECT PHASE: LAND PERMIT APPLICATION

AREA: 5200

RAILWAY MAIN LINE

Baffinland Iron Mines Corporation

CANARAIL

DILLON CONSULTING

PROJECT NUMBER: 1120010

1:400

PROJECT NO.	ACTIVITY NO.		BY	DDMMMYY
		DSN	KGW	01AUG11
		DRN	RCB	01AUG11
		CHK	JAS	01SEPT11
		APP		

SCALE: 1:400

PACKAGE CODE:

SUBJECT: NBR-037-1 GENERAL PLAN AND ELEVATION

DRAWING NO.: A1-159952-5200-122-6206-01

REV.:

CAD FILE:

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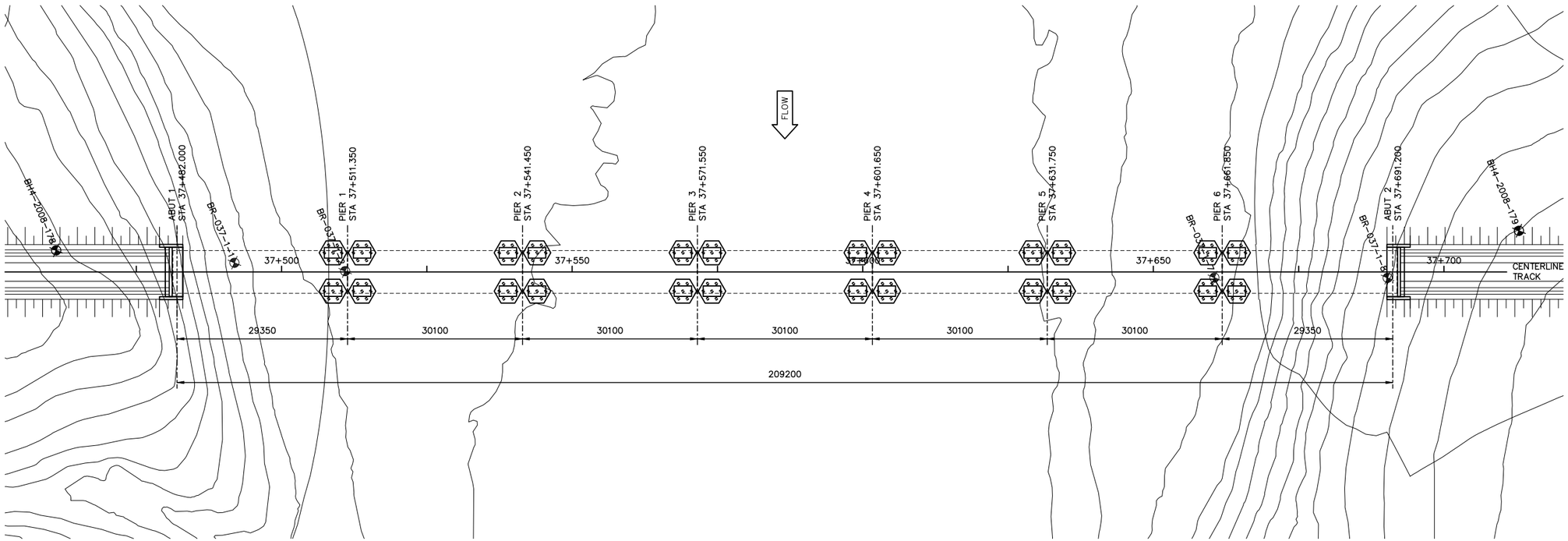

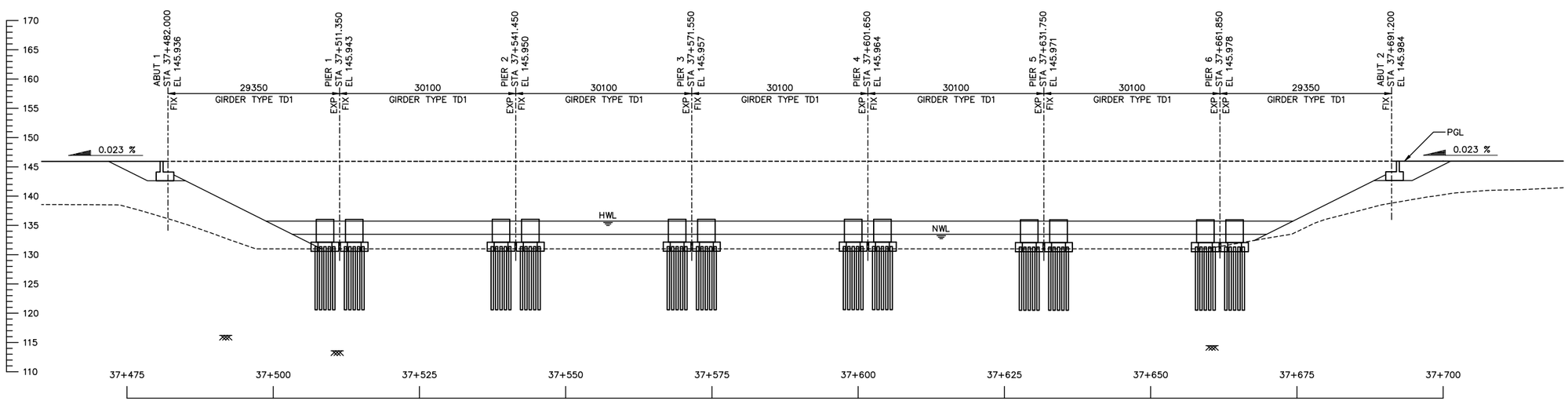

LEGEND

APPROXIMATE BOREHOLE LOCATION. SEE GEOTECHNICAL REPORT FOR EXACT LOCATION AND ADDITIONAL INFORMATION.

APPROXIMATE BEDROCK ELEVATION. SEE GEOTECHNICAL REPORT FOR EXACT ELEVATION AND ADDITIONAL INFORMATION.

BOREHOLES

ALL VALUES GIVEN BELOW ARE APPROXIMATE.

BOREHOLE	STATION	OFFSET	BEDROCK ELEV'N
BR-037-1-1	37+492	2 L	116.2
BR-037-1-2	37+511	0 R	113.6
BR-037-1-7	37+661	1 R	114.5
BR-037-1-8	37+690	1 R	< 114

NOTES

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1	30SEP11	ISSUED FOR ENVIRONMENTAL IMPACT STATEMENT (EIS)										
0	30SEP08	ISSUED FOR ENVIRONMENTAL IMPACT STATEMENT (EIS)										

REF	NUMBER	TITLE

STAMP/SEAL

Client Mgr. Engineering Mgr. Project Mgr.

PROJECT PHASE: LAND PERMIT APPLICATION

AREA 5200

RAILWAY MAIN LINE

Baffinland Iron Mines Corporation

CANARAIL

DILLON CONSULTING

PROJECT NUMBER 1:400 1120020

PROJECT NO. | ACTIVITY NO. | SCALE 1:400 | PACKAGE CODE

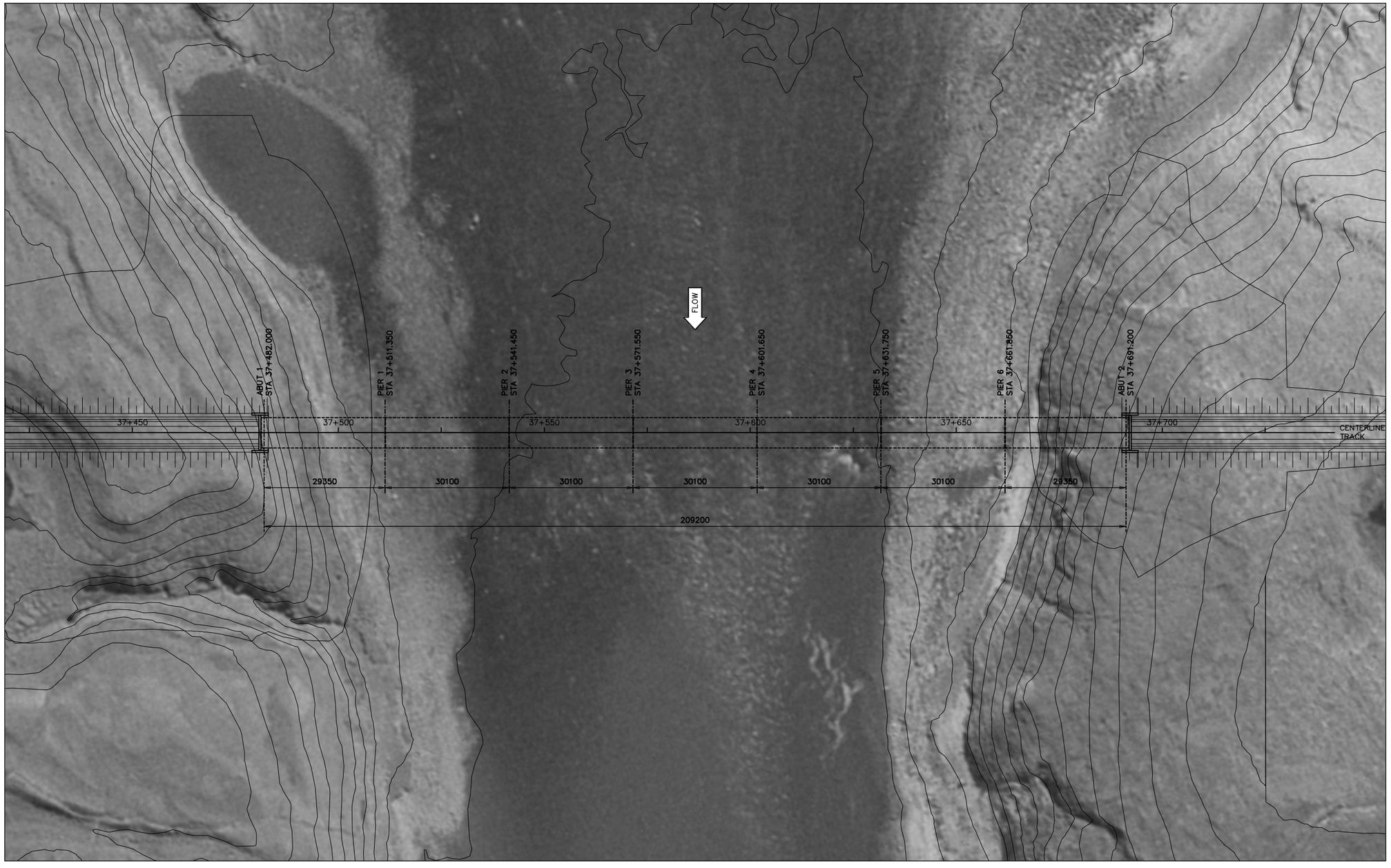
	BY	DDMMMYY
DSN	KGW	01AUG11
DRN	RCB	01AUG11
CHK	JAS	01SEPT11
APP		

SUBJECT: NBR-037-1 FOUNDATION LAYOUT

DRAWING NO. A1-159952-5200-122-6206-02

REV.

CAD FILE:



NOTES

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REV	DDMMMYY	REVISION	DR	CHK	APP	APP	APP	APP
1	30SEP11	ISSUED FOR ENVIRONMENTAL IMPACT STATEMENT (EIS)						
0	30SEP08	ISSUED FOR ENVIRONMENTAL IMPACT STATEMENT (EIS)						

ISS	DDMMMYY	APP	ISSUED FOR

REF	NUMBER	TITLE

REFERENCES

STAMP/SEAL

Client Mgr. Engineering Mgr. Project Mgr.

PROJECT PHASE: LAND PERMIT APPLICATION

PROJECT NO. | ACTIVITY NO. | SCALE: 1:500 | PACKAGE CODE

	BY	DDMMMYY
DSN	KGW	01AUG11
DRN	RCB	01AUG11
CHK	JAS	01SEPT11
APP		

Baffinland Iron Mines Corporation

AREA 5200 | RAILWAY MAIN LINE

SUBJECT: NBR-037-1 PHOTO MOSAIC

CANARAIL

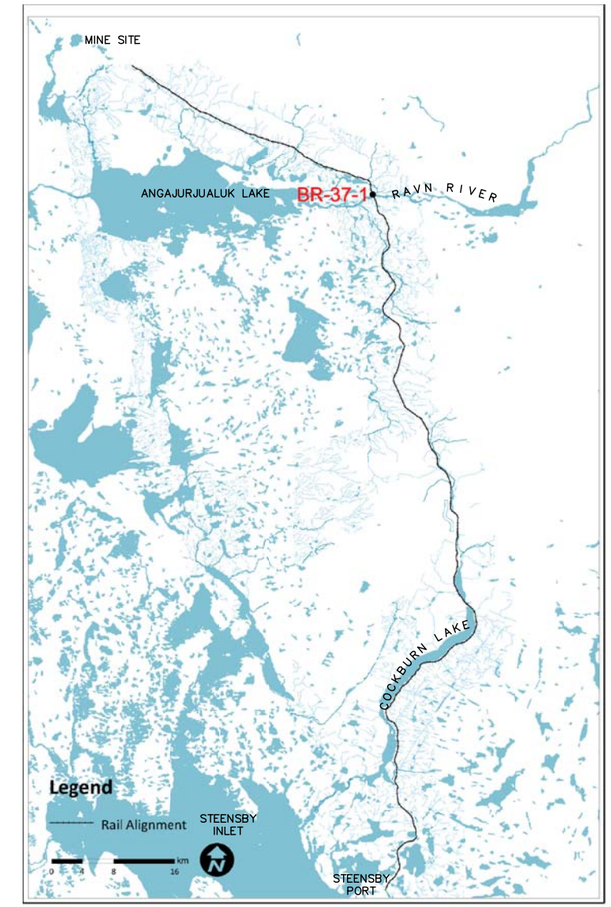
DILLON CONSULTING

PROJECT NUMBER 1120080

DRAWING NO. A1-159952-5200-122-6206-03 | REV.

CAD FILE:

SAVED: 19/08/2011 6:52:46 PM PLOTTED: 25-Nov-11 10:29 AM USER: MACKENZIE, STEVE



LOCATION KEY PLAN

NOTES

1. THE WATERCOURSE CROSSED BY THIS STRUCTURE IS RAVN RIVER.

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 PURPOSE.

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0	30SEP08	ISSUED FOR ENVIRONMENTAL IMPACT STATEMENT (EIS)										

REF	NUMBER	TITLE

REFERENCES

STAMP/SEAL

Client Mgr. Engineering Mgr. Project Mgr.

PROJECT PHASE: LAND PERMIT APPLICATION

PROJECT NO.	ACTIVITY NO.		BY	DDMMMYY
		DSN	KGW	01AUG11
		DRN	RCB	01AUG11
		CHK	JAS	01SEPT11
		APP		

SCALE

PACKAGE CODE

Baffinland Iron Mines Corporation

AREA 5200

RAILWAY MAIN LINE

SUBJECT: NBR-037-1 SITE PHOTOS

CANARAIL

DILLON CONSULTING

PROJECT NUMBER 1120070

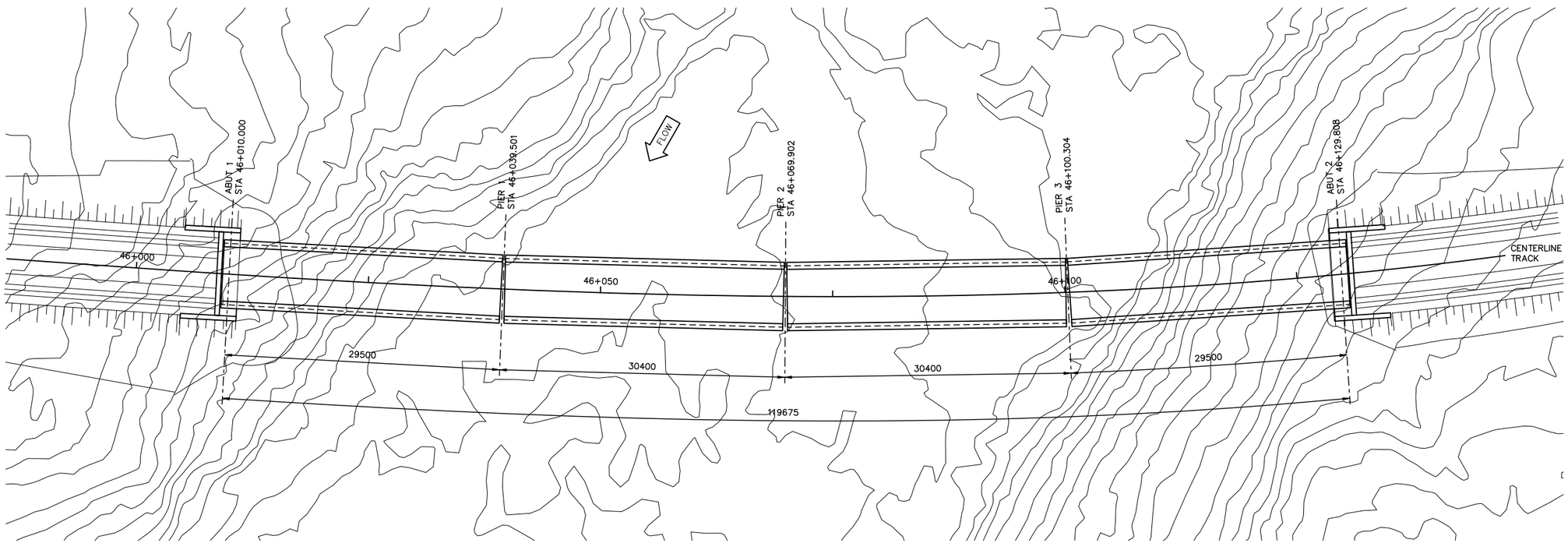
DRAWING NO. A1-159952-5200-122-6206-04

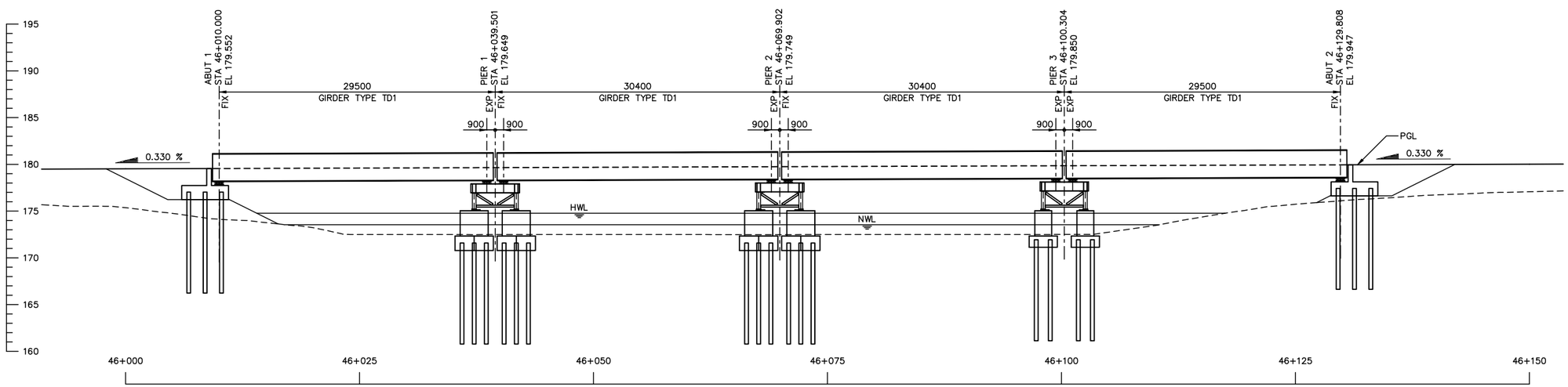
REV.

CAD FILE:

PLOTTED: 25-Nov-11 10:56 AM USER: BARNES, RHIANA

SAVED: 19/08/2011 6:52:46 PM





NOTES

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3. THE REFERENCE POINT LOCATING THIS STRUCTURE IS AT THE INTERSECTION BETWEEN THE ALIGNMENT REFERENCE LINE AND THE LOW STATION ABUTMENT BEARING CENTERLINE.

   THIS POINT IS LOCATED AS FOLLOWS:

   STA 46+010.000

   E 596767.624 N 7886576.687 ZONE 17W

   LATITUDE 71°03'47.396" N

   LONGITUDE 78°19'39.314" W
4. ALL DIMENSIONS ARE GIVEN ALONG THE CONTROL LINE UNO. THE CONTROL LINE IS ALSO THE PROFILE GRADE LINE (PGL) AND IS LOCATED AT CENTERLINE TRACK / TOP OF SUB-BALLAST.
5. THIS CROSSING IS DEFINED AS NON-NAVIGABLE.
6. FISH HABITAT RATING IS 'IMPORTANT'.
7. HIGH WATER LEVEL (HWL) = 174.770

   HWL FREEBOARD = 3.322 METERS
8. NORMAL WATER LEVEL (NWL) = 173.540

   NWL FREEBOARD = 4.552 METERS

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 PURPOSE.

REV	DDMMMYY	REVISION	DR	CHK	APP	APP	APP	APP	ISS	DDMMMYY	APP	ISSUED FOR
1	30SEP11	ISSUED FOR ENVIRONMENTAL IMPACT STATEMENT (EIS)										
0	30SEP08	ISSUED FOR ENVIRONMENTAL IMPACT STATEMENT (EIS)										

REF	NUMBER	TITLE

STAMP/SEAL

Client Mgr. Engineering Mgr. Project Mgr.

PROJECT PHASE: LAND PERMIT APPLICATION

AREA: 5200

RAILWAY MAIN LINE

Baffinland Iron Mines Corporation

CANARAIL

DILLON CONSULTING

PROJECT NUMBER: 1130010

PROJECT NO.	ACTIVITY NO.		BY	DDMMMYY
		DSN	KGW	01AUG11
		DRN	RCB	01AUG11
		CHK	JAS	01SEPT11
		APP		

SCALE: 1:250

PACKAGE CODE:

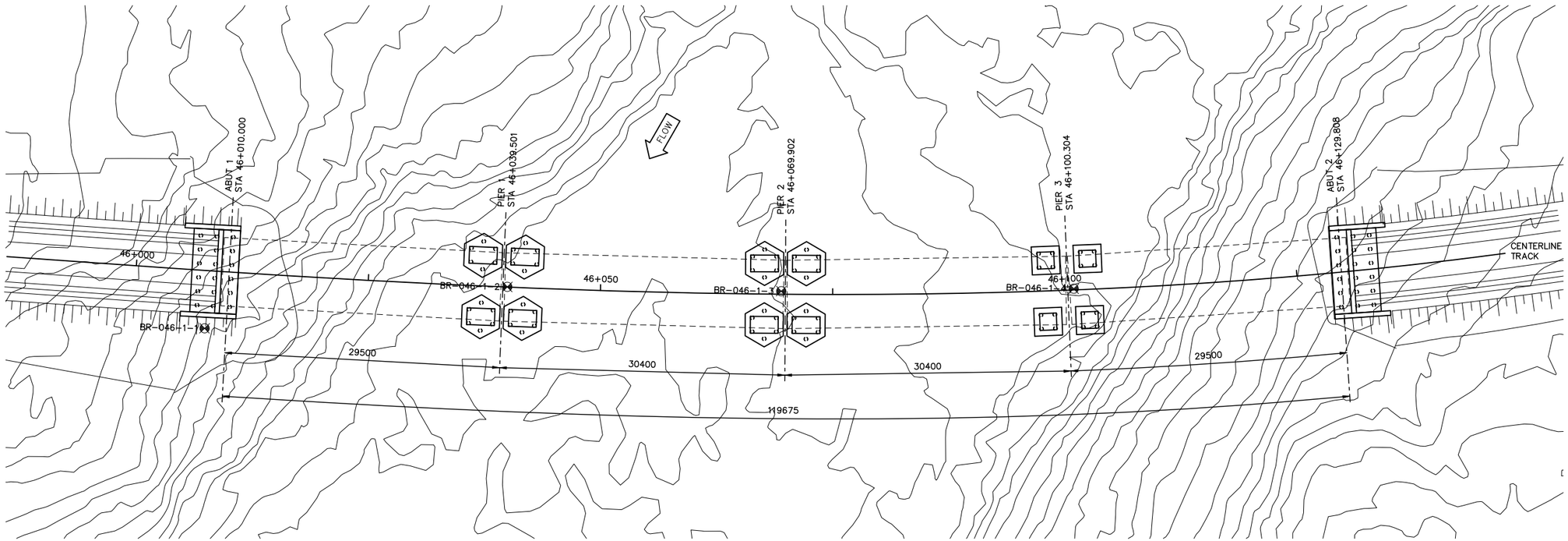
SUBJECT: NBR-046-1 GENERAL PLAN AND ELEVATION

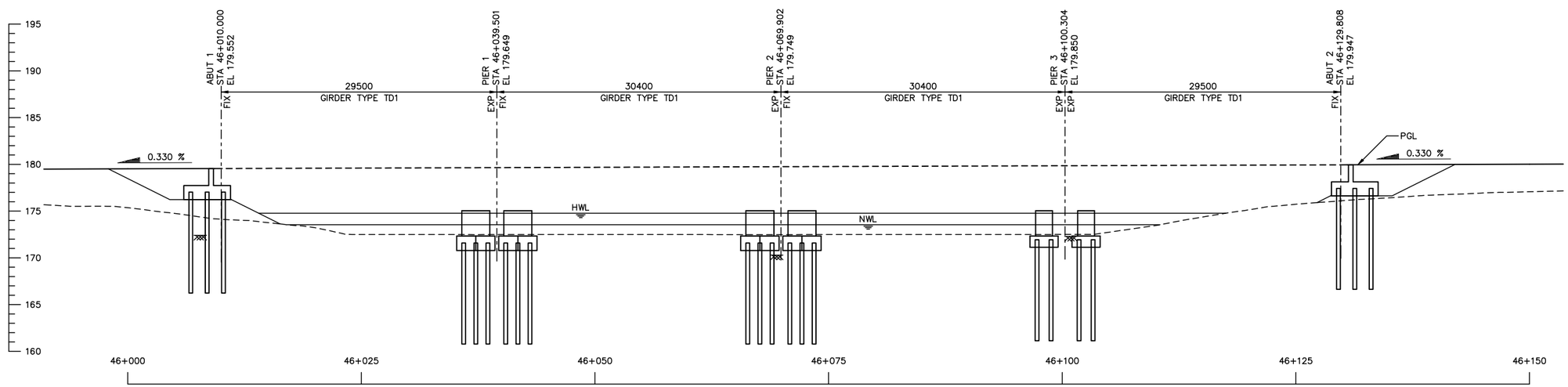
DRAWING NO.: A1-159952-5200-122-6207-01

REV.:

CAD FILE:

SAVED: 19/08/2011 6:52:46 PM PLOTTED: 25-Nov-11 10:56 AM USER: BARNES, RHIANA





LEGEND

APPROXIMATE BOREHOLE LOCATION. SEE GEOTECHNICAL REPORT FOR EXACT LOCATION AND ADDITIONAL INFORMATION.

APPROXIMATE BEDROCK ELEVATION. SEE GEOTECHNICAL REPORT FOR EXACT ELEVATION AND ADDITIONAL INFORMATION.

BOREHOLES

ALL VALUES GIVEN BELOW ARE APPROXIMATE.

BOREHOLE	STATION	OFFSET	BEDROCK ELEV'N
BR-046-1-1	46+008	6 R	172.4
BR-046-1-2	46+040	0 R	< 151
BR-046-1-3	46+069	0 R	170.3
BR-046-1-4	46+101	0 R	172.3

NOTES

1. STRUCTURES SHOWN ON THIS DRAWING ARE SCHEMATIC ONLY. REFER TO DETAIL SHEETS IN OTHER SECTIONS OF THE DRAWING SET FOR MORE INFORMATION.
2. CONTOURS SHOWN ON THIS DRAWING REPRESENT EXISTING GRADE ONLY.

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 PURPOSE.

REV	DDMMMYY	REVISION	DR	CHK	APP	APP	APP	APP	ISS	DDMMMYY	APP	ISSUED FOR
1	30SEP11	ISSUED FOR ENVIRONMENTAL IMPACT STATEMENT (EIS)										
0	30SEP08	ISSUED FOR ENVIRONMENTAL IMPACT STATEMENT (EIS)										

REF	NUMBER	TITLE

STAMP/SEAL

Client Mgr. Engineering Mgr. Project Mgr.

PROJECT PHASE: LAND PERMIT APPLICATION

AREA 5200

RAILWAY MAIN LINE

PROJECT NUMBER

1:250

1130020

PROJECT NO.	ACTIVITY NO.		BY	DDMMMYY
		DSN	KGW	01AUG11
		DRN	RCB	01AUG11
		CHK	JAS	01SEPT11
		APP		

SCALE 1:250

PACKAGE CODE

SUBJECT: NBR-046-1 FOUNDATION LAYOUT

DRAWING NO. A1-159952-5200-122-6207-02

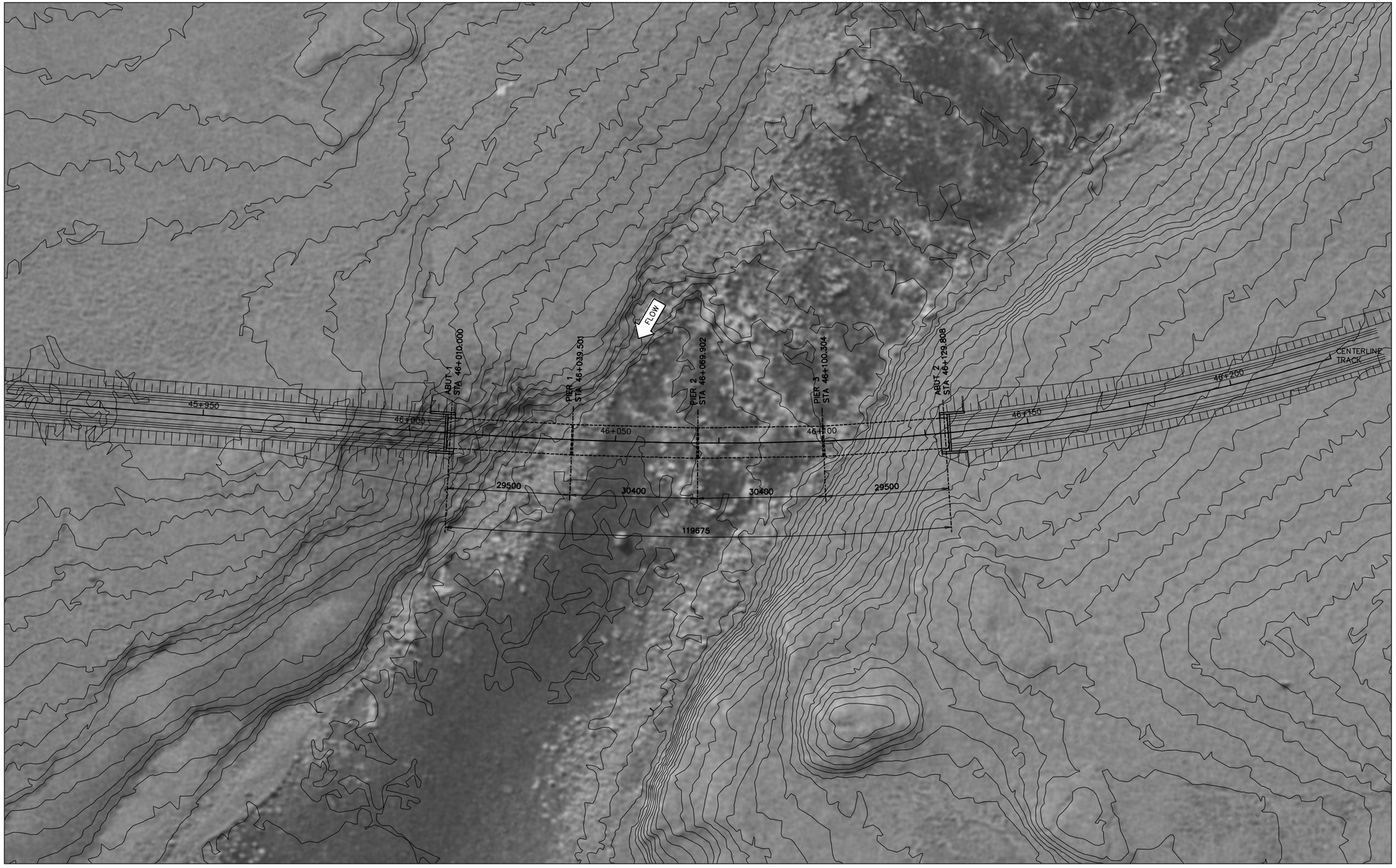
REV.

CAD FILE:

Baffinland Iron Mines Corporation

CANARAIL

DILLON CONSULTING



NOTES

1. THIS PHOTO MOSAIC IS PROVIDED FOR GENERAL INFORMATION ONLY AND MAY NOT REFLECT THE CURRENT CONDITION OF THE SITE.
2. STRUCTURES SHOWN ON THIS DRAWING ARE SCHEMATIC ONLY. REFER TO DETAIL SHEETS IN OTHER SECTIONS OF THE DRAWING SET FOR MORE INFORMATION.
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REV	DDMMMYY	REVISION	DR	CHK	APP	APP	APP	APP
1	30SEP11	ISSUED FOR ENVIRONMENTAL IMPACT STATEMENT (EIS)						
0	30SEP08	ISSUED FOR ENVIRONMENTAL IMPACT STATEMENT (EIS)						

ISS	DDMMMYY	APP	ISSUED FOR

REF	NUMBER	TITLE

REFERENCES

STAMP/SEAL

Client Mgr. Engineering Mgr. Project Mgr.

PROJECT PHASE: LAND PERMIT APPLICATION

PROJECT NO. | ACTIVITY NO.

SCALE: 1:500

PACKAGE CODE

	BY	DDMMMYY
DSN	KGW	01AUG11
DRN	RCB	01AUG11
CHK	JAS	01SEPT11
APP		

Baffinland Iron Mines Corporation

AREA 5200 | RAILWAY MAIN LINE

SUBJECT: NBR-046-1 PHOTO MOSAIC

CANARAIL

DILLON CONSULTING

PROJECT NUMBER 1130080

DRAWING NO. A1-159952-5200-122-6207-03

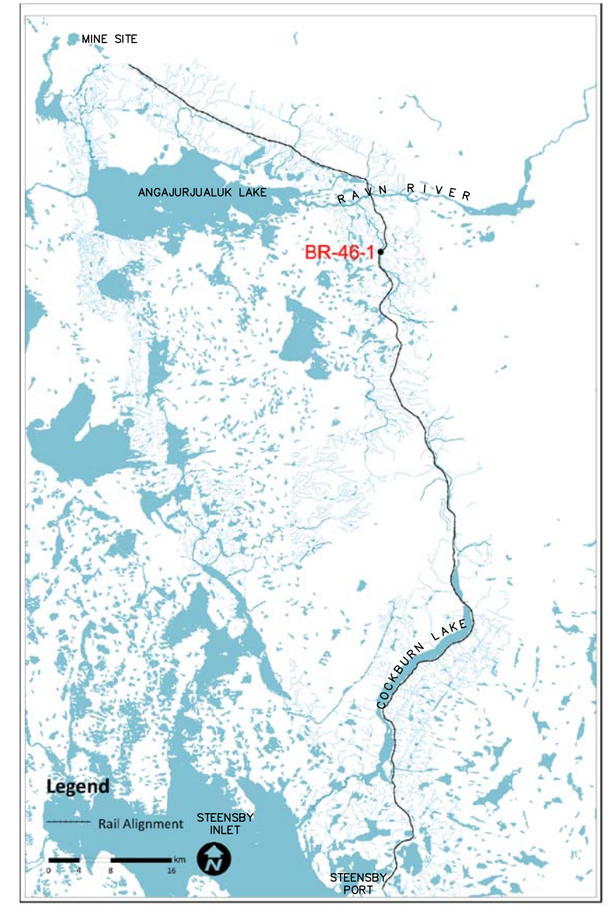
REV.

CAD FILE:

USER: MACKENZIE, STEVE

PLOTTED: 25-Nov-11 10:30 AM

SAVED: 19/08/2011 6:52:46 PM 6:52 PM



LOCATION KEY PLAN

NOTES

1. THESE IMAGES DO NOT DEPICT THE LOCATION OF THIS STRUCTURE. THESE IMAGES ARE A GENERAL OVERVIEW FOR THIS AREA.

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 PURPOSE.

REV	DDMMMYY	REVISION	DR	CHK	APP	APP	APP	APP	ISS	DDMMMYY	APP	ISSUED FOR
1	30SEP11	ISSUED FOR ENVIRONMENTAL IMPACT STATEMENT (EIS)										
0	30SEP08	ISSUED FOR ENVIRONMENTAL IMPACT STATEMENT (EIS)										

REF	NUMBER	TITLE

REFERENCES

STAMP/SEAL

Client Mgr. Engineering Mgr. Project Mgr.

PROJECT PHASE: LAND PERMIT APPLICATION

PROJECT NO. | ACTIVITY NO. | SCALE | PACKAGE CODE

	BY	DDMMMYY
DSN	KGW	01AUG11
DRN	RCB	01AUG11
CHK	JAS	01SEPT11
APP		

Baffinland Iron Mines Corporation

AREA 5200 | RAILWAY MAIN LINE

SUBJECT: NBR-046-1 SITE PHOTOS

CANARAIL

DILLON CONSULTING

PROJECT NUMBER 1130070

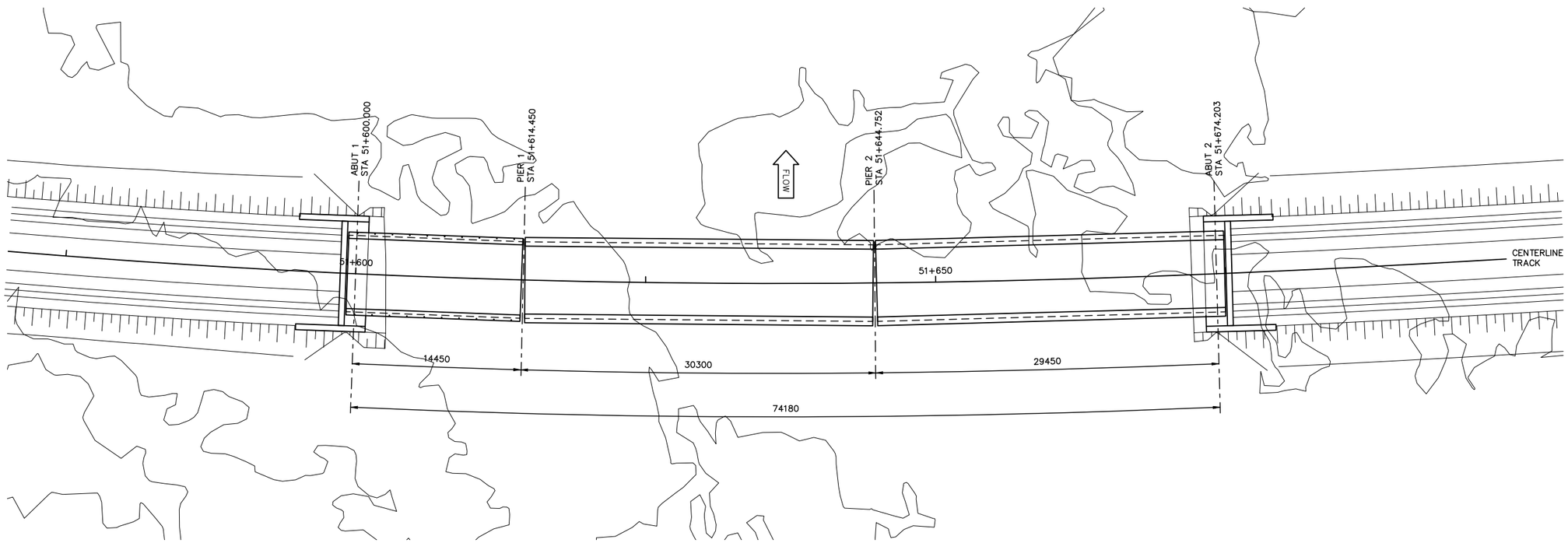
DRAWING NO. A1-159952-5200-122-6207-04

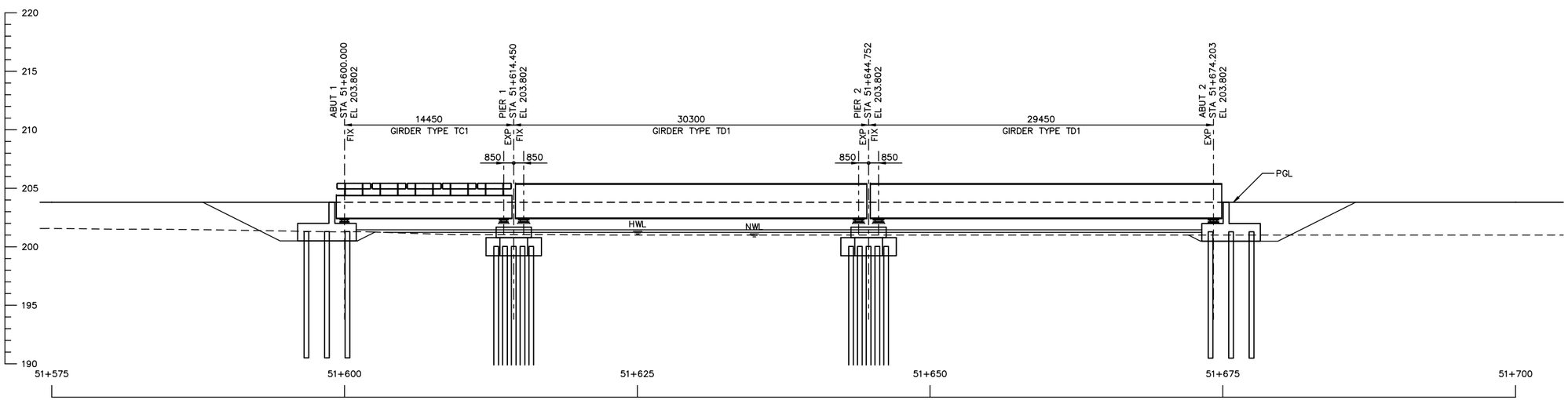
REV.

CAD FILE:

PLOTTED: 25-Nov-11 10:56 AM USER: BARNES, RHIANA

SAVED: 19/08/2011 6:52:46 PM 6:52 PM





NOTES

1. STRUCTURES SHOWN ON THIS DRAWING ARE SCHEMATIC ONLY. REFER TO DETAIL SHEETS IN OTHER SECTIONS OF THE DRAWING SET FOR MORE INFORMATION.
2. CONTOURS SHOWN ON THIS DRAWING REPRESENT EXISTING GRADE ONLY.
3. THE REFERENCE POINT LOCATING THIS STRUCTURE IS AT THE INTERSECTION BETWEEN THE ALIGNMENT REFERENCE LINE AND THE LOW STATION ABUTMENT BEARING CENTERLINE.

   THIS POINT IS LOCATED AS FOLLOWS:

   STA 51+600.000

   E 596654.223 N 7879394.213 ZONE 17W

   LATITUDE 70°59'55.970" N

   LONGITUDE 78°20'21.911" W
4. ALL DIMENSIONS ARE GIVEN ALONG THE CONTROL LINE UNO. THE CONTROL LINE IS ALSO THE PROFILE GRADE LINE (PGL) AND IS LOCATED AT CENTERLINE TRACK / TOP OF SUB-BALLAST.
5. THE WATERCOURSE CROSSED BY THIS STRUCTURE IS REFERENCED AS NUMBER 102 IN THE REPORT 'FISH HABITAT ASSESSMENTS ALONG THE STEENSBY RAIL CORRIDOR' PREPARED BY KNIGHT PIESOLD CONSULTING AND DATED FEBRUARY 2008.
6. THIS CROSSING IS DEFINED AS NON-NAVIGABLE.
7. FISH HABITAT RATING IS 'IMPORTANT'.
8. HIGH WATER LEVEL (HWL) = 201.450

   HWL FREEBOARD = 0.892 METERS
9. NORMAL WATER LEVEL (NWL) = 201.230

   NWL FREEBOARD = 1.112 METERS

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 PURPOSE.

REV	DDMMMYY	REVISION	DR	CHK	APP	APP	APP	APP	ISS	DDMMMYY	APP	ISSUED FOR
1	30SEP11	ISSUED FOR ENVIRONMENTAL IMPACT STATEMENT (EIS)										
0	30SEP08	ISSUED FOR ENVIRONMENTAL IMPACT STATEMENT (EIS)										

REF	NUMBER	TITLE

STAMP/SEAL

Client Mgr. Engineering Mgr. Project Mgr.

PROJECT PHASE: LAND PERMIT APPLICATION

AREA 5200

RAILWAY MAIN LINE

PROJECT NO. | ACTIVITY NO. | SCALE 1:200 | PACKAGE CODE

	BY	DDMMMYY
DSN	KGW	01AUG11
DRN	RCB	01AUG11
CHK	JAS	01SEPT11
APP		

SUBJECT: CV-051-2 GENERAL PLAN AND ELEVATION

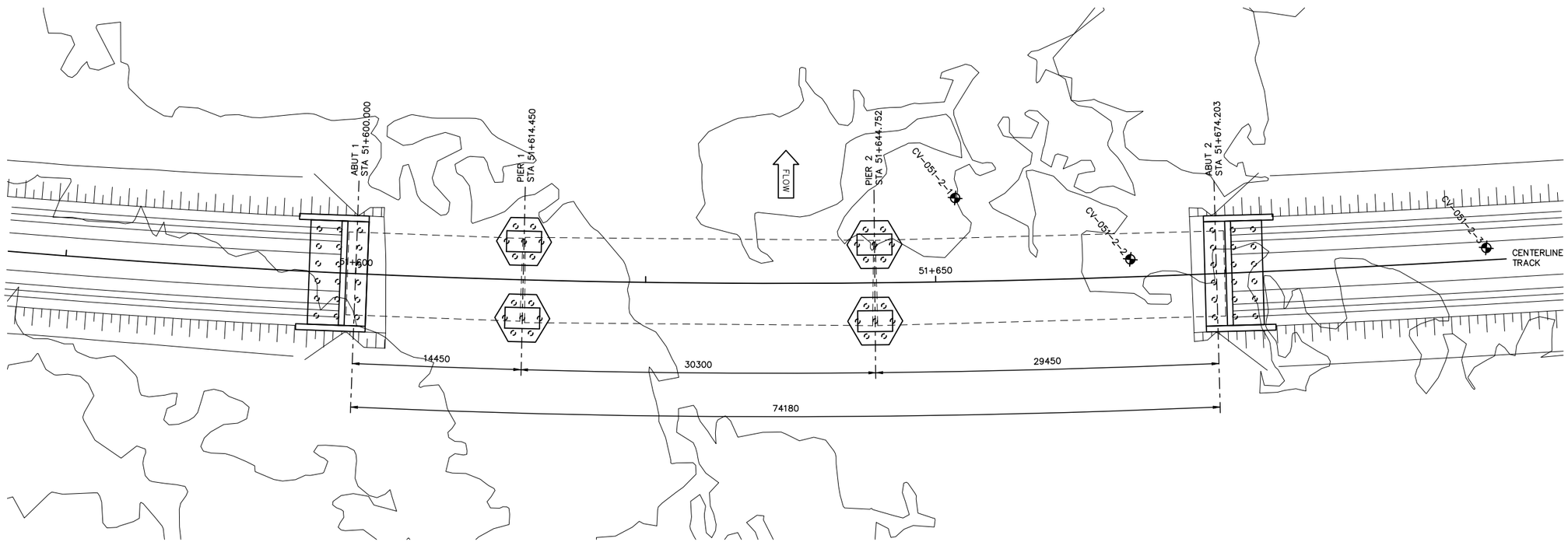
PROJECT NUMBER 1:200 1140010

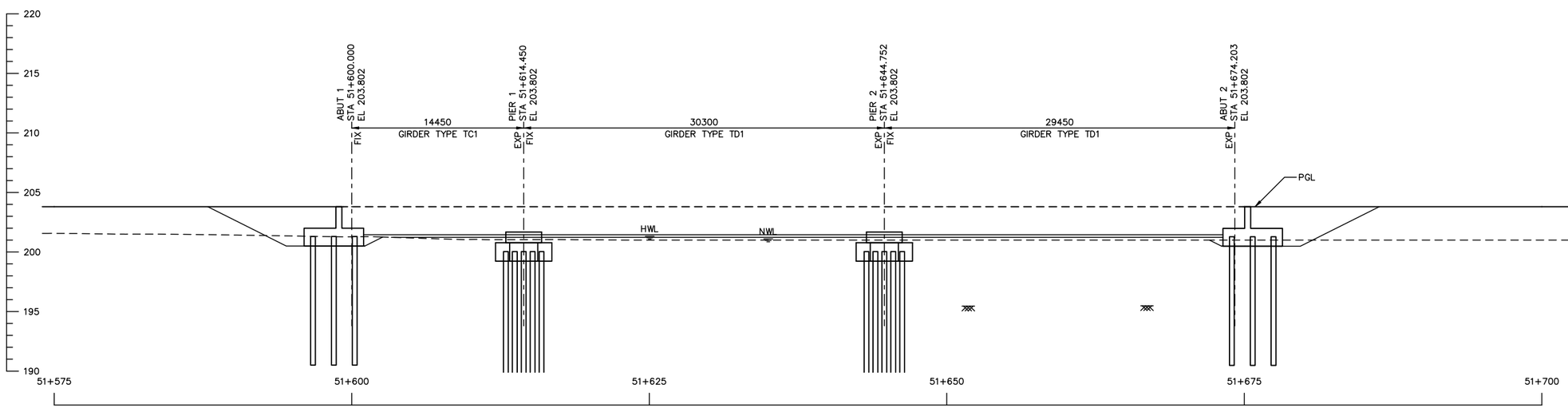
DRAWING NO. A1-159952-5200-122-6208-01

REV.

CAD FILE:

SAVED: 19/08/2011 6:52:46 PM PLOTTED: 25-Nov-11 10:56 AM USER: BARNES, RHIANA





LEGEND

APPROXIMATE BOREHOLE LOCATION. SEE GEOTECHNICAL REPORT FOR EXACT LOCATION AND ADDITIONAL INFORMATION.

APPROXIMATE BEDROCK ELEVATION. SEE GEOTECHNICAL REPORT FOR EXACT ELEVATION AND ADDITIONAL INFORMATION.

BOREHOLES

ALL VALUES GIVEN BELOW ARE APPROXIMATE.

BOREHOLE	STATION	OFFSET	BEDROCK ELEV'N
CV-051-2-1	51+652	7 L	195.5
CV-051-2-2	51+667	2 L	195.5

NOTES

1. STRUCTURES SHOWN ON THIS DRAWING ARE SCHEMATIC ONLY. REFER TO DETAIL SHEETS IN OTHER SECTIONS OF THE DRAWING SET FOR MORE INFORMATION.
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REV	DDMMMYY	REVISION	DR	CHK	APP	APP	APP	APP	ISS	DDMMMYY	APP	ISSUED FOR
1	30SEP11	ISSUED FOR ENVIRONMENTAL IMPACT STATEMENT (EIS)										
0	30SEP08	ISSUED FOR ENVIRONMENTAL IMPACT STATEMENT (EIS)										

REF	NUMBER	TITLE

STAMP/SEAL

Client Mgr. Engineering Mgr. Project Mgr.

PROJECT PHASE: LAND PERMIT APPLICATION

PROJECT NO. | ACTIVITY NO. | SCALE: 1:200 | PACKAGE CODE

	BY	DDMMMYY
DSN	KGW	01AUG11
DRN	RCB	01AUG11
CHK	JAS	01SEPT11
APP		

Baffinland Iron Mines Corporation

AREA 5200 — RAILWAY MAIN LINE

CANARAIL — DILLON CONSULTING

PROJECT NUMBER 1:200 1140020

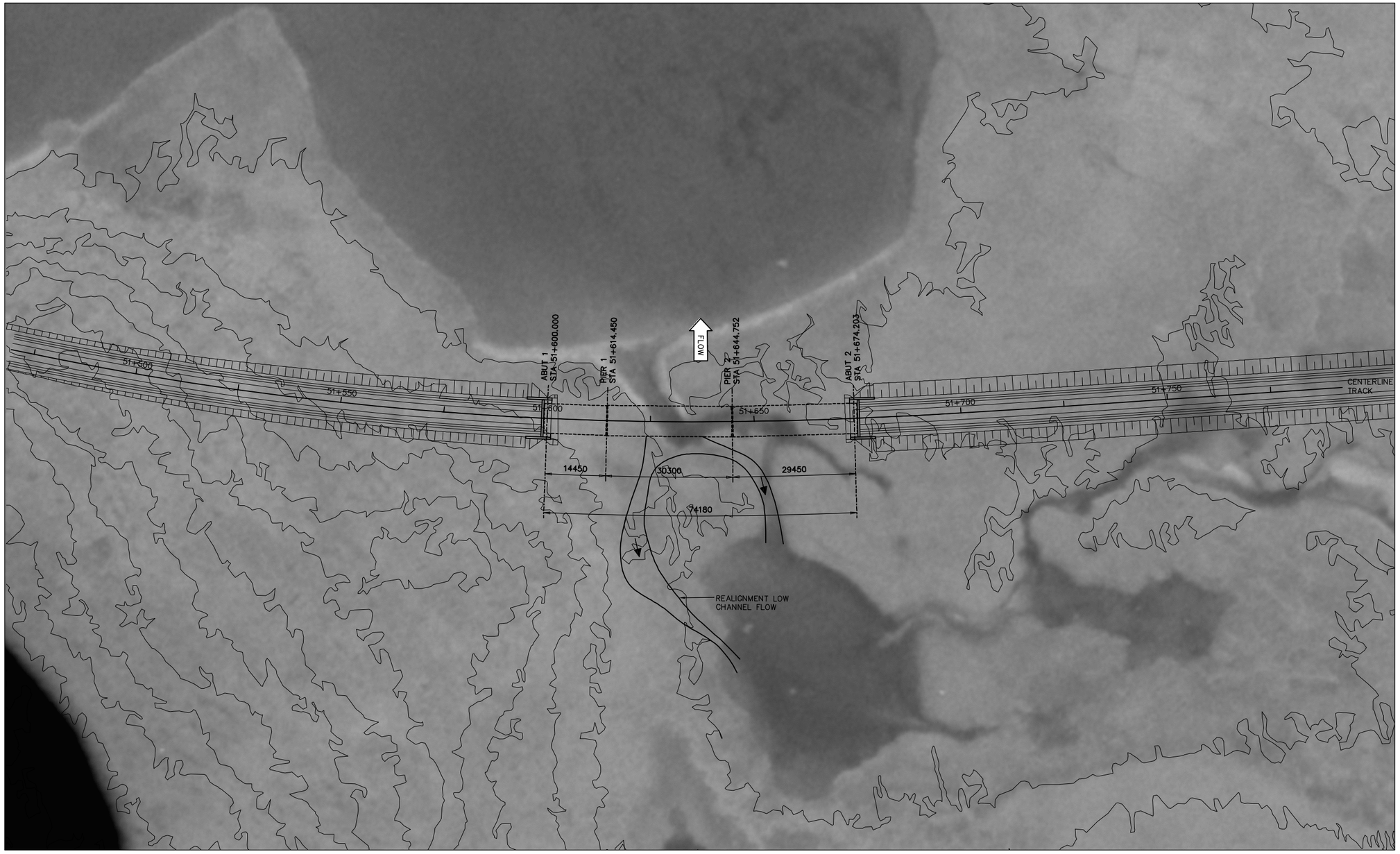
SUBJECT: CV-051-2 FOUNDATION LAYOUT

DRAWING NO. A1-159952-5200-122-6208-02

REV.

CAD FILE:

SAVED: 19/08/2011 6:52:46 PM PLOTTED: 25-Nov-11 10:56 AM USER: BARNES, RHIANA



NOTES

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REV	DDMMMYY	REVISION	DR	CHK	APP	APP	APP	APP
1	30SEP11	ISSUED FOR ENVIRONMENTAL IMPACT STATEMENT (EIS)						
0	30SEP08	ISSUED FOR ENVIRONMENTAL IMPACT STATEMENT (EIS)						

ISS	DDMMMYY	APP	ISSUED FOR

REF	NUMBER	TITLE

REFERENCES

STAMP/SEAL

Client Mgr. Engineering Mgr. Project Mgr.

PROJECT PHASE: LAND PERMIT APPLICATION

PROJECT NO. | ACTIVITY NO. | SCALE: 1:500 | PACKAGE CODE

	BY	DDMMMYY
DSN	KGW	01AUG11
DRN	RCB	01AUG11
CHK	JAS	01SEPT11
APP		

Baffinland Iron Mines Corporation

AREA 5200 — RAILWAY MAIN LINE

SUBJECT: CV–051–2 PHOTO MOSAIC

CANARAIL

PROJECT NUMBER 1:500 1140080

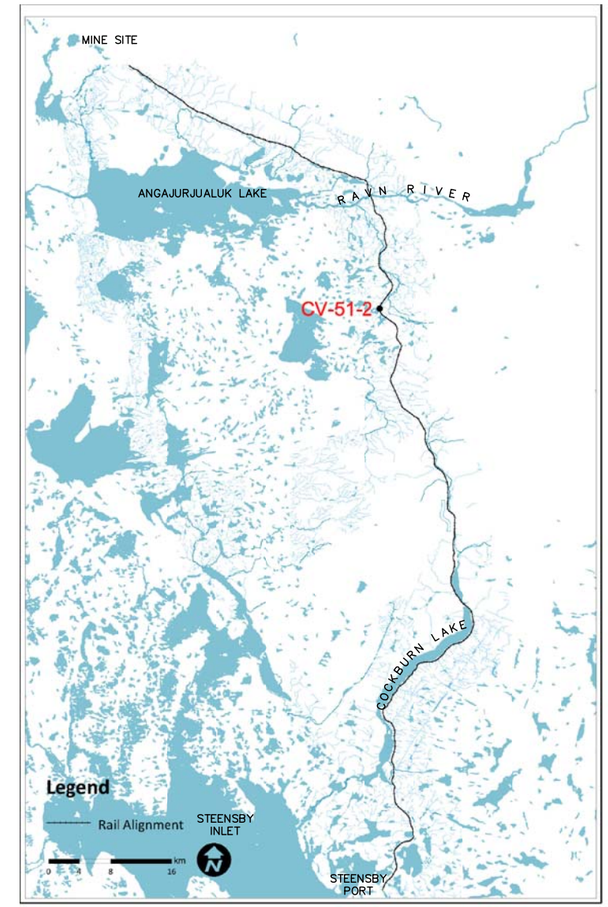
DILLON CONSULTING

DRAWING NO. A1–159952–5200–122–6208–03

REV.

CAD FILE:

SAVED: 19/08/2011 6:52:46 PM PLOTTED: 25–Nov–11 9:57 AM USER: MACKENZIE, STEVE



LOCATION KEY PLAN

NOTES

1. THE WATERCOURSE CROSSED BY THIS STRUCTURE IS REFERENCED AS NUMBER 102 IN THE REPORT 'FISH HABITAT ASSESSMENTS ALONG THE STEENSBY RAIL CORRIDOR' PREPARED BY KNIGHT PIESOLD CONSULTING AND DATED FEBRUARY 2008.

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 PURPOSE.

REV	DDMMMYY	REVISION	DR	CHK	APP	APP	APP	APP	ISS	DDMMMYY	APP	ISSUED FOR
1	30SEP11	ISSUED FOR ENVIRONMENTAL IMPACT STATEMENT (EIS)										
0	30SEP08	ISSUED FOR ENVIRONMENTAL IMPACT STATEMENT (EIS)										

REF	NUMBER	TITLE

REFERENCES

STAMP/SEAL

Client Mgr. Engineering Mgr. Project Mgr.

Baffinland Iron Mines Corporation

CANARAIL

DILLON CONSULTING

PROJECT PHASE: LAND PERMIT APPLICATION

AREA 5200

RAILWAY MAIN LINE

PROJECT NUMBER

PROJECT NO.	ACTIVITY NO.		BY	DDMMMYY
		DSN	KGW	01AUG11
		DRN	RCB	01AUG11
SCALE	PACKAGE CODE	CHK	JAS	01SEPT11
		APP		

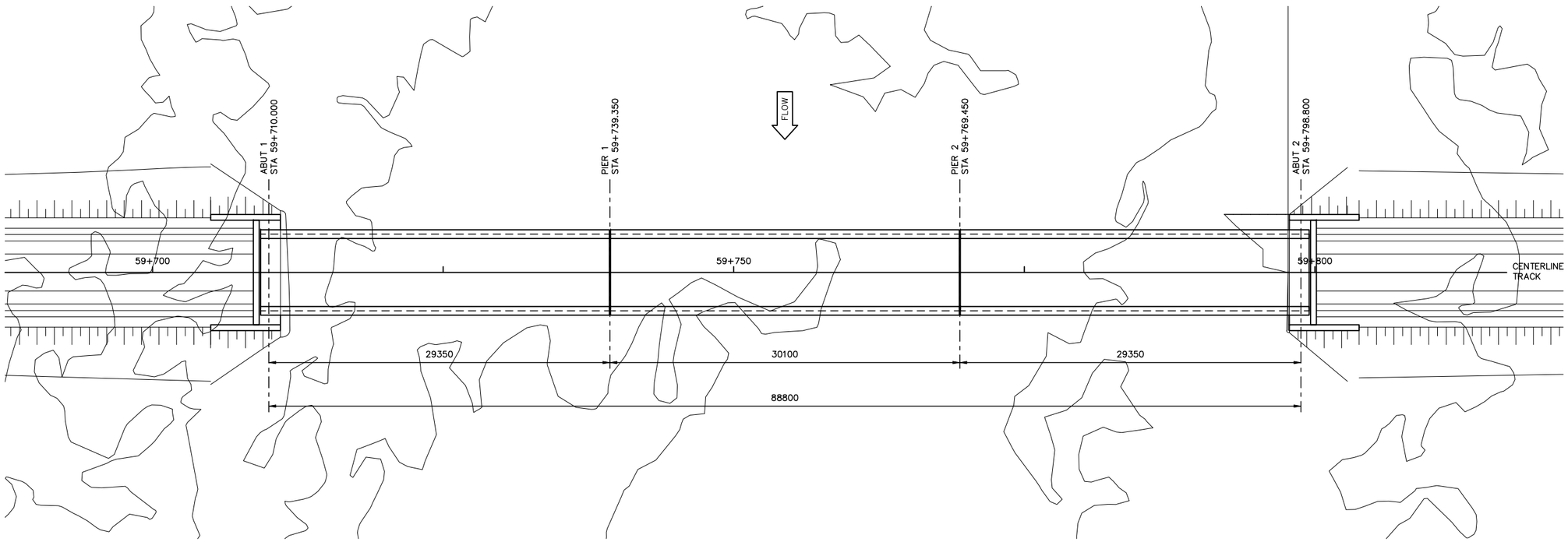
SUBJECT: CV-051-2 SITE PHOTOS

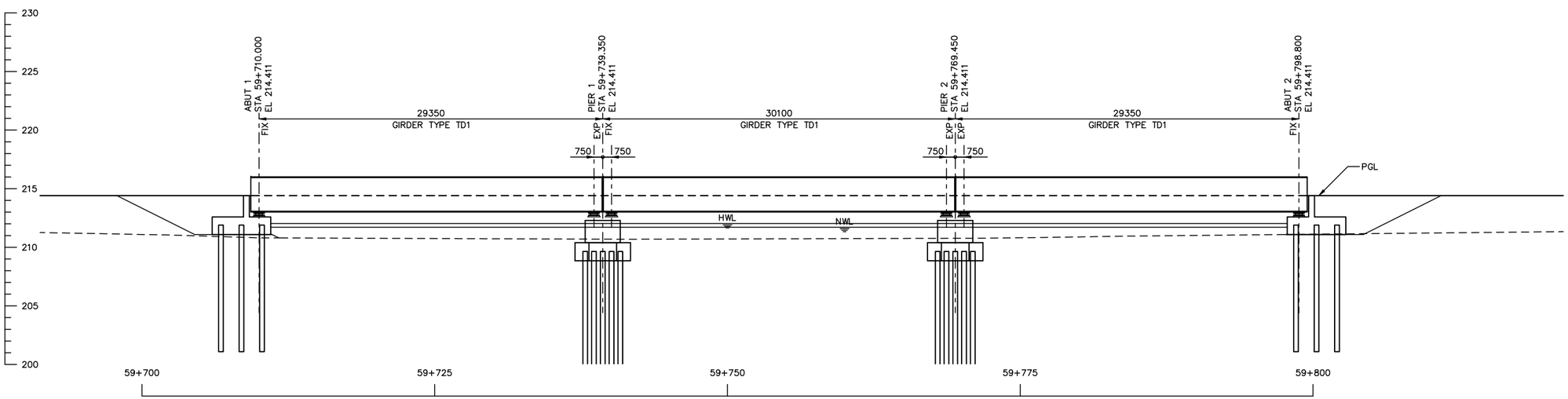
DRAWING NO. A1-159952-5200-122-6208-04

REV.

CAD FILE:

USER: BARNES, RHIANA PLOTTED: 25-Nov-11 10:56 AM SAVED: 19/08/2011 6:52:46 PM





NOTES

1. STRUCTURES SHOWN ON THIS DRAWING ARE SCHEMATIC ONLY. REFER TO DETAIL SHEETS IN OTHER SECTIONS OF THE DRAWING SET FOR MORE INFORMATION.
2. CONTOURS SHOWN ON THIS DRAWING REPRESENT EXISTING GRADE ONLY.
3. THE REFERENCE POINT LOCATING THIS STRUCTURE IS AT THE INTERSECTION BETWEEN THE ALIGNMENT REFERENCE LINE AND THE LOW STATION ABUTMENT BEARING CENTERLINE.

   THIS POINT IS LOCATED AS FOLLOWS:

   STA 59+710.000

   E 598871.990 N 7872601.238 ZONE 17W

   LATITUDE 70°56'13.772" N

   LONGITUDE 78°17'12.561" W
4. ALL DIMENSIONS ARE GIVEN ALONG THE CONTROL LINE UNO. THE CONTROL LINE IS ALSO THE PROFILE GRADE LINE (PGL) AND IS LOCATED AT CENTERLINE TRACK / TOP OF SUB-BALLAST.
5. THE WATERCOURSES CROSSED BY THIS STRUCTURE ARE REFERENCED AS NUMBERS 109 AND 110 IN THE REPORT 'FISH HABITAT ASSESSMENTS ALONG THE STEENSBY RAIL CORRIDOR' PREPARED BY KNIGHT PIESOLD CONSULTING AND DATED FEBRUARY 2008.
6. THIS CROSSING IS DEFINED AS NON-NAVIGABLE.
7. FISH HABITAT RATING IS 'MARGINAL'.
8. HIGH WATER LEVEL (HWL) = 212.030

   HWL FREEBOARD = 0.921 METERS
9. NORMAL WATER LEVEL (NWL) = 211.710

   NWL FREEBOARD = 1.241 METERS

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 PURPOSE.

REV	DDMMMYY	REVISION	DR	CHK	APP	APP	APP	APP	ISS	DDMMMYY	APP	ISSUED FOR
1	30SEP11	ISSUED FOR ENVIRONMENTAL IMPACT STATEMENT (EIS)										
0	30SEP08	ISSUED FOR ENVIRONMENTAL IMPACT STATEMENT (EIS)										

REF	NUMBER	TITLE

REFERENCES

STAMP/SEAL

Client Mgr. | Engineering Mgr. | Project Mgr.

PROJECT PHASE: LAND PERMIT APPLICATION

AREA: 5200

RAILWAY MAIN LINE

PROJECT NO. | ACTIVITY NO. | SCALE: 1:200 | PACKAGE CODE

	BY	DDMMMYY
DSN	KGW	01AUG11
DRN	RCB	01AUG11
CHK	JAS	01SEPT11
APP		

SUBJECT: BR-059-1 GENERAL PLAN AND ELEVATION

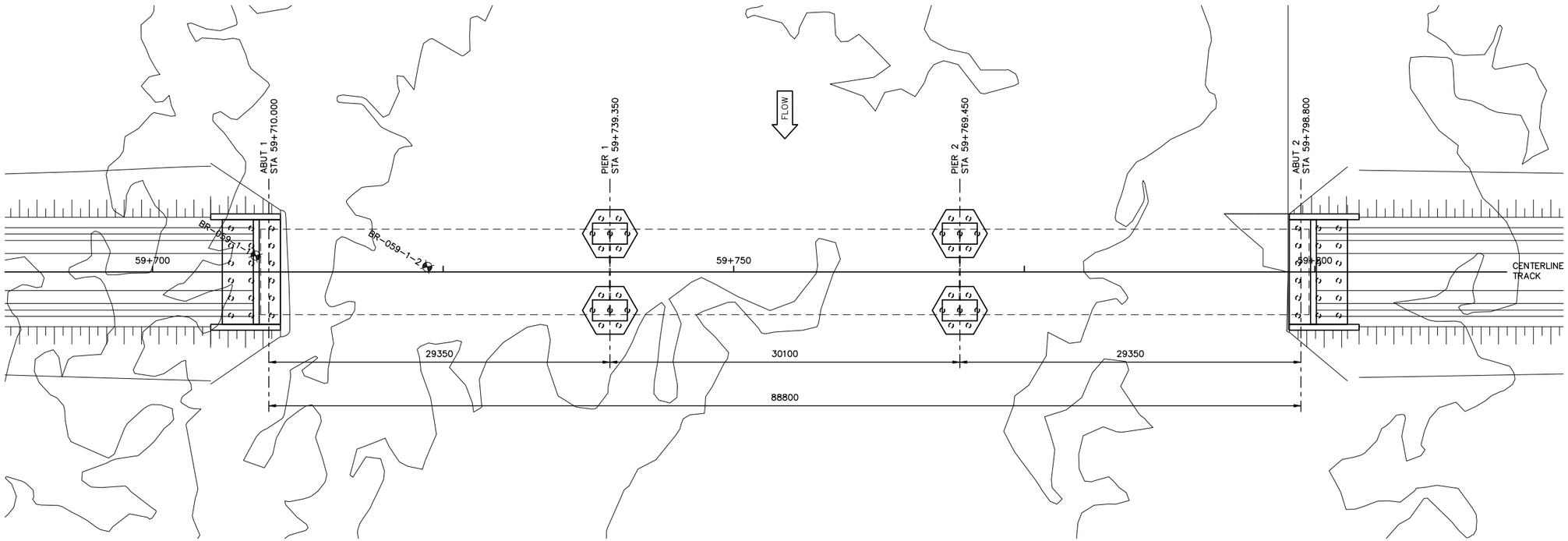
PROJECT NUMBER: 1160010

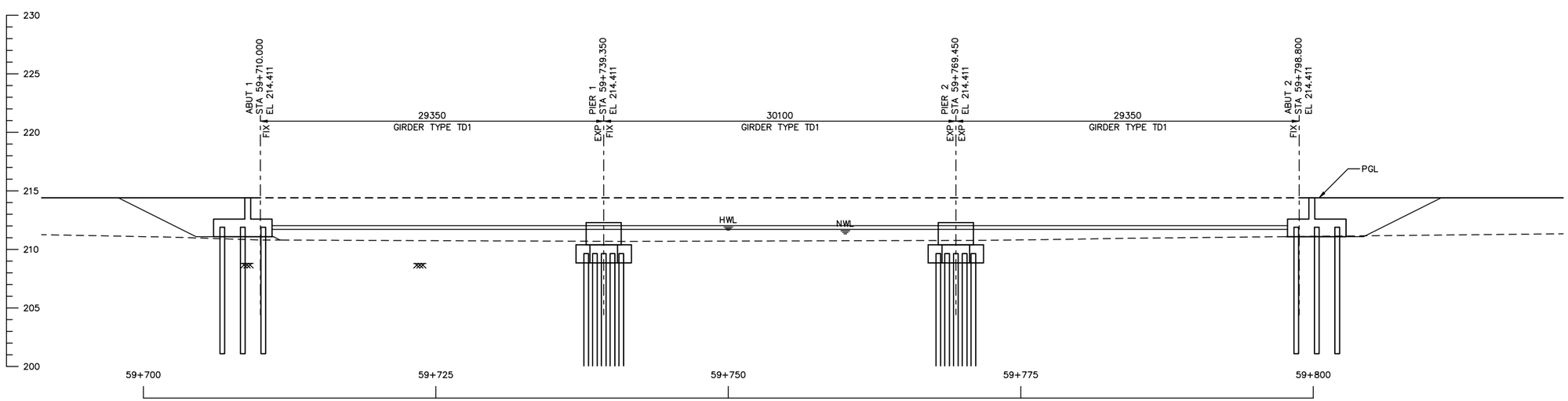
DRAWING NO.: A1-159952-5200-122-6209-01

REV.

CAD FILE:

SAVED: 19/08/2011 6:52:46 PM PLOTTED: 25-Nov-11 10:56 AM USER: BARNES, RHIANA





LEGEND

APPROXIMATE BOREHOLE LOCATION. SEE GEOTECHNICAL REPORT FOR EXACT LOCATION AND ADDITIONAL INFORMATION.

APPROXIMATE BEDROCK ELEVATION. SEE GEOTECHNICAL REPORT FOR EXACT ELEVATION AND ADDITIONAL INFORMATION.

BOREHOLES

ALL VALUES GIVEN BELOW ARE APPROXIMATE.

BOREHOLE	STATION	OFFSET	BEDROCK ELEV'N
BR-059-1-1	59+709	1 L	208.8
BR-059-1-2	59+724	0 R	208.8

NOTES

1. STRUCTURES SHOWN ON THIS DRAWING ARE SCHEMATIC ONLY. REFER TO DETAIL SHEETS IN OTHER SECTIONS OF THE DRAWING SET FOR MORE INFORMATION.
2. CONTOURS SHOWN ON THIS DRAWING REPRESENT EXISTING GRADE ONLY.

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 PURPOSE.

REV	DDMMMYY	REVISION	DR	CHK	APP	APP	APP	APP	ISS	DDMMMYY	APP	ISSUED FOR
1	30SEP11	ISSUED FOR ENVIRONMENTAL IMPACT STATEMENT (EIS)										
0	30SEP08	ISSUED FOR ENVIRONMENTAL IMPACT STATEMENT (EIS)										

REF	NUMBER	TITLE

STAMP/SEAL

Client Mgr. Engineering Mgr. Project Mgr.

PROJECT PHASE: LAND PERMIT APPLICATION

AREA 5200

RAILWAY MAIN LINE

Baffinland Iron Mines Corporation

CANARAIL

DILLON CONSULTING

PROJECT NUMBER

1:200 11660020

PROJECT NO.	ACTIVITY NO.		BY	DDMMMYY
		DSN	KGW	01AUG11
		DRN	RCB	01AUG11
		CHK	JAS	01SEPT11
		APP		

SCALE 1:200

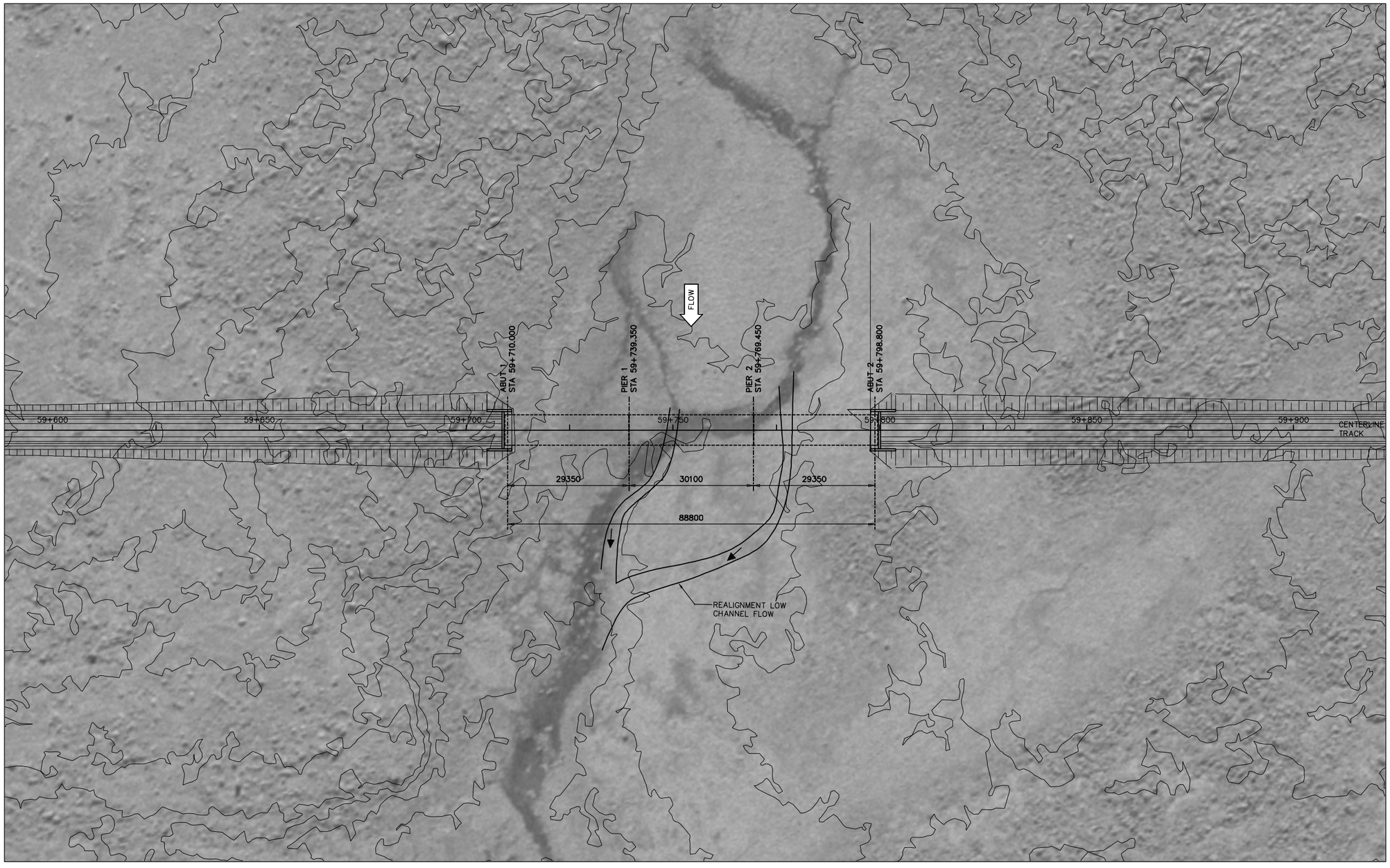
PACKAGE CODE

SUBJECT: BR-059-1 FOUNDATION LAYOUT

DRAWING NO. A1-159952-5200-122-6209-02

REV.

CAD FILE:



NOTES

1. THIS PHOTO MOSAIC IS PROVIDED FOR GENERAL INFORMATION ONLY AND MAY NOT REFLECT THE CURRENT CONDITION OF THE SITE.
2. STRUCTURES SHOWN ON THIS DRAWING ARE SCHEMATIC ONLY. REFER TO DETAIL SHEETS IN OTHER SECTIONS OF THE DRAWING SET FOR MORE INFORMATION.
3. CONTOURS SHOWN ON THIS DRAWING REPRESENT EXISTING GRADE ONLY.

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 PURPOSE.

REV	DDMMMYY	REVISION	DR	CHK	APP	APP	APP	APP	ISS	DDMMMYY	APP	ISSUED FOR
1	30SEP11	ISSUED FOR ENVIRONMENTAL IMPACT STATEMENT (EIS)										
0	30SEP08	ISSUED FOR ENVIRONMENTAL IMPACT STATEMENT (EIS)										

REF	NUMBER	TITLE

REFERENCES

STAMP/SEAL

Client Mgr. Engineering Mgr. Project Mgr.

PROJECT PHASE: LAND PERMIT APPLICATION

PROJECT NO. | ACTIVITY NO. | PACKAGE CODE

SCALE: 1:500

	BY	DDMMMYY
DSN	KGW	01AUG11
DRN	RCB	01AUG11
CHK	JAS	01SEPT11
APP		

Baffinland Iron Mines Corporation

AREA 5200

SUBJECT: RAILWAY MAIN LINE

BR–059–1
PHOTO MOSAIC

CANARAIL

DILLON CONSULTING

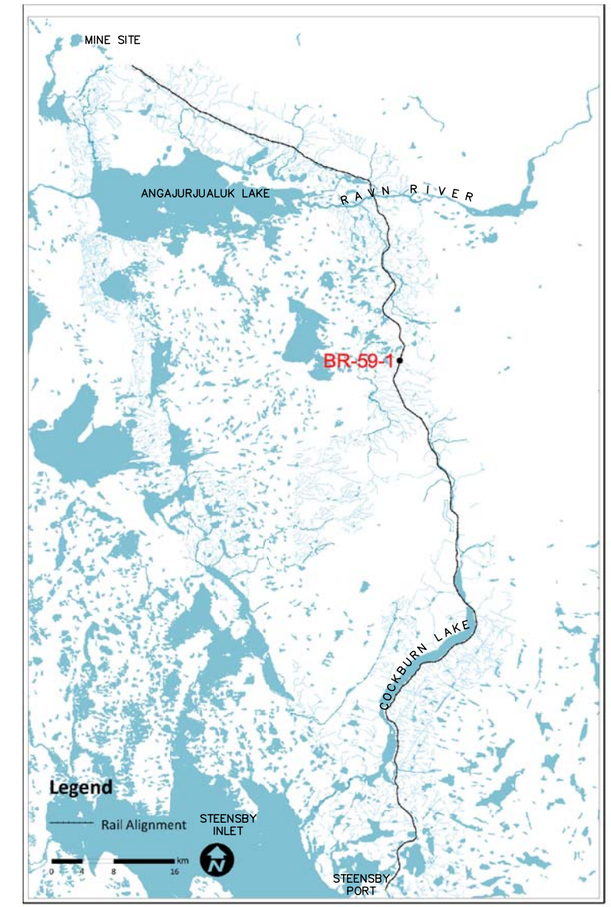
PROJECT NUMBER 1:500 1160080

DRAWING NO. A1–159952–5200–122–6209–03

REV.

CAD FILE:

USER: MACKENZIE, STEVE
PLOTTED: 25–Nov–11 9:58 AM
SAVED: 19/08/2011 6:52:46 PM 6:52 PM



LOCATION KEY PLAN

NOTES

1. THE WATERCOURSES CROSSED BY THIS STRUCTURE ARE REFERENCED AS NUMBERS 109 AND 110 IN THE REPORT 'FISH HABITAT ASSESSMENTS ALONG THE STEENSBY RAIL CORRIDOR' PREPARED BY KNIGHT PIESOLD CONSULTING AND DATED FEBRUARY 2008.

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 PURPOSE.

REV	DDMMMYY	REVISION	DR	CHK	APP	APP	APP	APP	ISS	DDMMMYY	APP	ISSUED FOR
1	30SEP11	ISSUED FOR ENVIRONMENTAL IMPACT STATEMENT (EIS)										
0	30SEP08	ISSUED FOR ENVIRONMENTAL IMPACT STATEMENT (EIS)										

REF	NUMBER	TITLE

STAMP/SEAL

Client Mgr. Engineering Mgr. Project Mgr.

PROJECT PHASE: LAND PERMIT APPLICATION

AREA 5200

RAILWAY MAIN LINE

PROJECT NO. | ACTIVITY NO. | SCALE | PACKAGE CODE

	BY	DDMMMYY
DSN	KGW	01AUG11
DRN	RCB	01AUG11
CHK	JAS	01SEPT11
APP		

SUBJECT: BR-059-1 SITE PHOTOS

PROJECT NUMBER

DRAWING NO. A1-159952-5200-122-6209-04

REV.

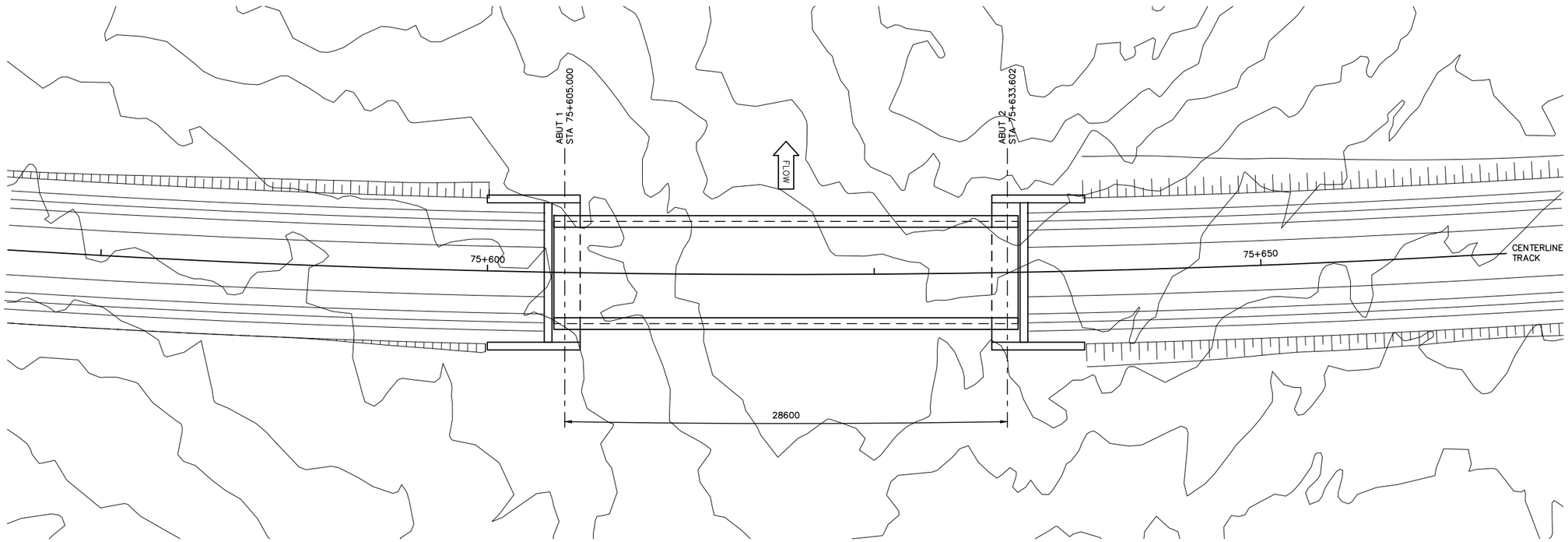
CAD FILE:

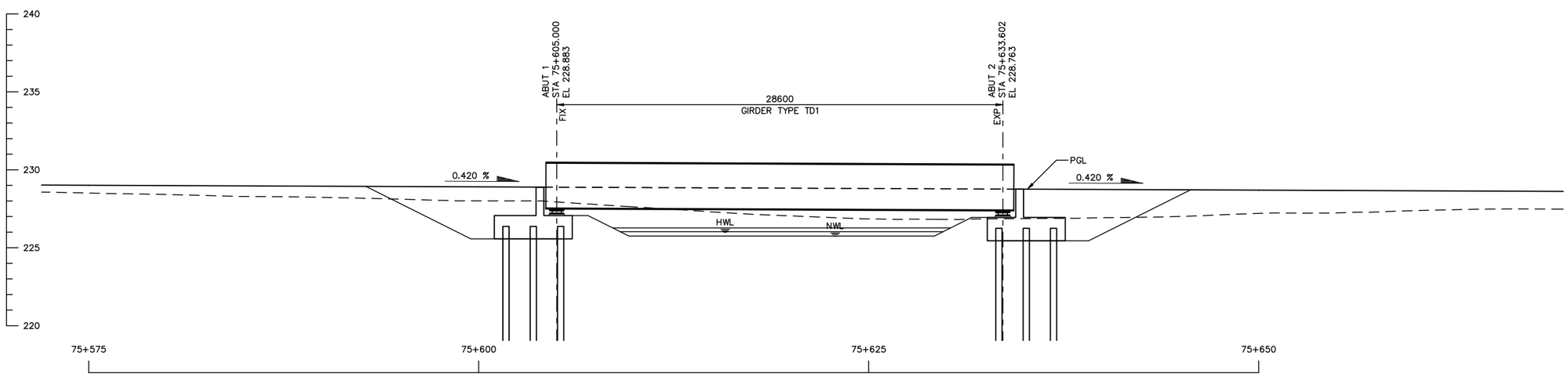
Baffinland Iron Mines Corporation

CANARAIL

DILLON CONSULTING 11660070

USER: BARNES, RHIANA
PLOTTED: 25-Nov-11 10:56 AM
SAVED: 19/08/2011 6:52:46 PM





NOTES

1. STRUCTURES SHOWN ON THIS DRAWING ARE SCHEMATIC ONLY. REFER TO DETAIL SHEETS IN OTHER SECTIONS OF THE DRAWING SET FOR MORE INFORMATION.
2. CONTOURS SHOWN ON THIS DRAWING REPRESENT EXISTING GRADE ONLY.
3. THE WATERCOURSE CROSS SECTION AT THIS LOCATION REQUIRES MODIFICATION IN ORDER TO PROVIDE SUFFICIENT CLEARANCE TO THE BRIDGE STRUCTURE. THE ELEVATION VIEW ON THIS DRAWING SHOWS THE ADJUSTED CHANNEL AND THE ASSOCIATED WATER LEVELS.
4. THE REFERENCE POINT LOCATING THIS STRUCTURE IS AT THE INTERSECTION BETWEEN THE ALIGNMENT REFERENCE LINE AND THE LOW STATION ABUTMENT BEARING CENTERLINE.

   THIS POINT IS LOCATED AS FOLLOWS:

   STA 75+605.000

   E 603933.761 N 7858913.835 ZONE 17W

   LATITUDE 70°48'45.006" N

   LONGITUDE 78°09'56.424" W
5. ALL DIMENSIONS ARE GIVEN ALONG THE CONTROL LINE UNO. THE CONTROL LINE IS ALSO THE PROFILE GRADE LINE (PGL) AND IS LOCATED AT CENTERLINE TRACK / TOP OF SUB-BALLAST.
6. THE WATERCOURSE CROSSED BY THIS STRUCTURE IS REFERENCED AS NUMBER 124 IN THE REPORT 'FISH HABITAT ASSESSMENTS ALONG THE STEENSBY RAIL CORRIDOR' PREPARED BY KNIGHT PIESOLD CONSULTING AND DATED FEBRUARY 2008.
7. THIS CROSSING IS DEFINED AS NON-NAVIGABLE.
8. FISH HABITAT RATING IS 'NONE'.
9. HIGH WATER LEVEL (HWL) = 226.270

   HWL FREEBOARD = 1.033 METERS
10. NORMAL WATER LEVEL (NWL) = 226.030

    NWL FREEBOARD = 1.273 METERS

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 PURPOSE.

REV	DDMMMYY	REVISION	DR	CHK	APP	APP	APP	APP	ISS	DDMMMYY	APP	ISSUED FOR
1	30SEP11	ISSUED FOR ENVIRONMENTAL IMPACT STATEMENT (EIS)										
0	30SEP08	ISSUED FOR ENVIRONMENTAL IMPACT STATEMENT (EIS)										

REF	NUMBER	TITLE

STAMP/SEAL

Client Mgr. Engineering Mgr. Project Mgr.

PROJECT PHASE: LAND PERMIT APPLICATION

AREA 5200

RAILWAY MAIN LINE

Baffinland Iron Mines Corporation

CANARAIL

DILLON CONSULTING

PROJECT NUMBER 1:150 1180010

PROJECT NO.	ACTIVITY NO.		BY	DDMMMYY
		DSN	KGW	01AUG11
		DRN	RCB	01AUG11
		CHK	JAS	01SEPT11
		APP		

SCALE 1:150

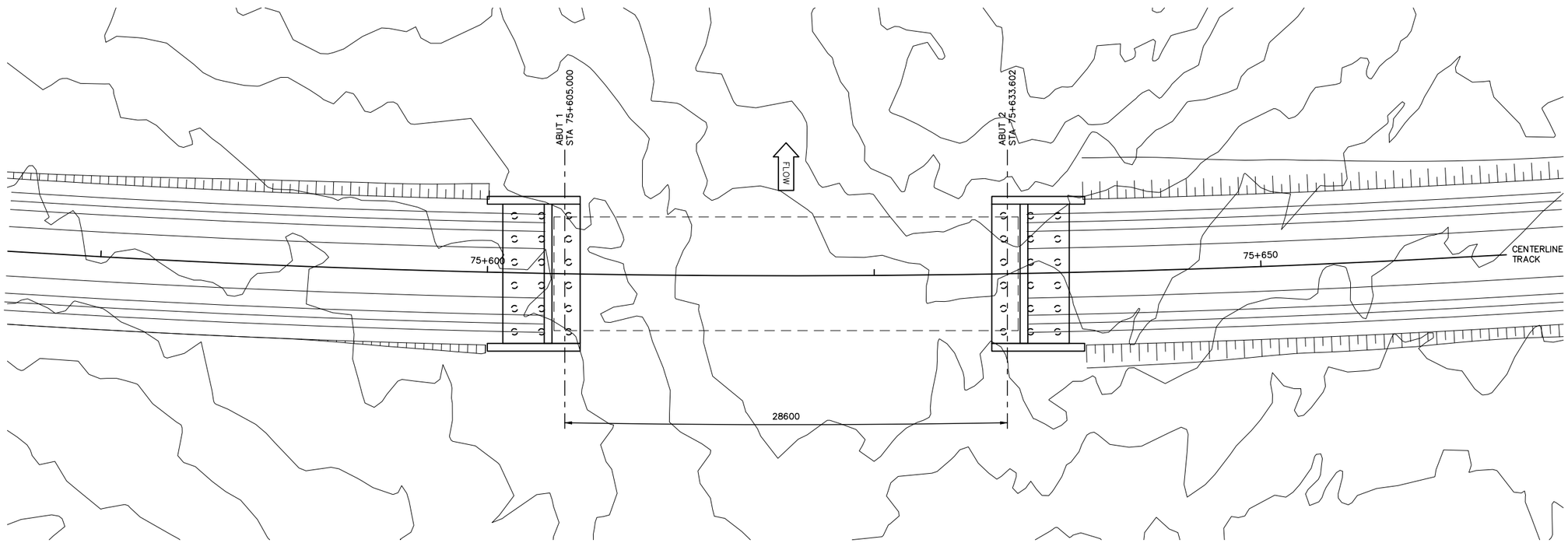
PACKAGE CODE

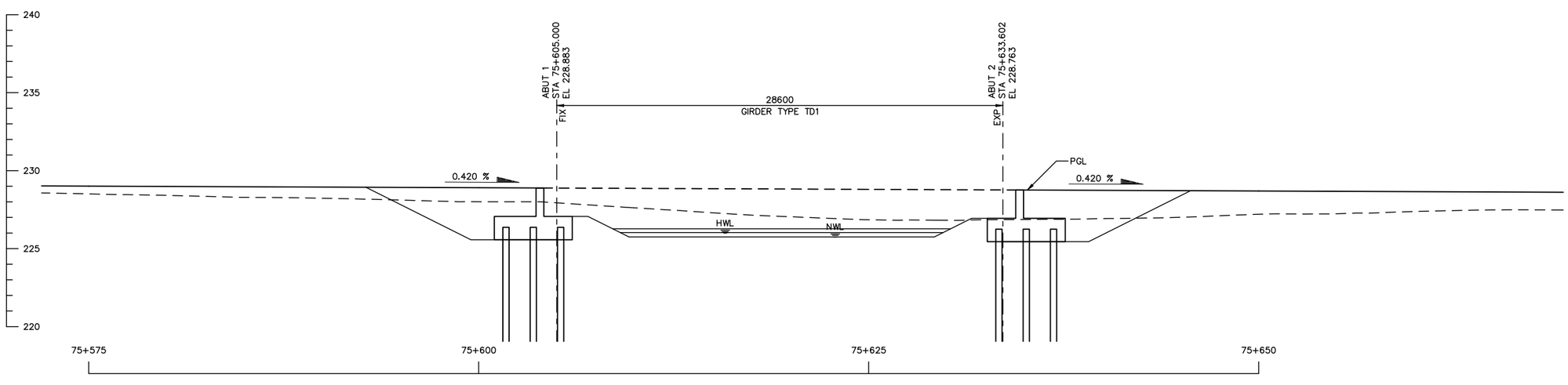
SUBJECT: CV-075-2 GENERAL PLAN AND ELEVATION

DRAWING NO. A1-159952-5200-122-6210-01

REV.

CAD FILE:





LEGEND

APPROXIMATE BOREHOLE LOCATION. SEE GEOTECHNICAL REPORT FOR EXACT LOCATION AND ADDITIONAL INFORMATION.

APPROXIMATE BEDROCK ELEVATION. SEE GEOTECHNICAL REPORT FOR EXACT ELEVATION AND ADDITIONAL INFORMATION.

BOREHOLES

ALL VALUES GIVEN BELOW ARE APPROXIMATE.

BOREHOLE	STATION	OFFSET	BEDROCK ELEV'N
BH3-2008-63	75+545	4 R	< 209

NOTES

1. STRUCTURES SHOWN ON THIS DRAWING ARE SCHEMATIC ONLY. REFER TO DETAIL SHEETS IN OTHER SECTIONS OF THE DRAWING SET FOR MORE INFORMATION.
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REV	DDMMMYY	REVISION	DR	CHK	APP	APP	APP	APP	ISS	DDMMMYY	APP	ISSUED FOR
1	30SEP11	ISSUED FOR ENVIRONMENTAL IMPACT STATEMENT (EIS)										
0	30SEP08	ISSUED FOR ENVIRONMENTAL IMPACT STATEMENT (EIS)										

REF	NUMBER	TITLE

STAMP/SEAL

Client Mgr. Engineering Mgr. Project Mgr.

PROJECT PHASE: LAND PERMIT APPLICATION

PROJECT NO. | ACTIVITY NO. | SCALE: 1:150 | PACKAGE CODE

	BY	DDMMMYY
DSN	KGW	01AUG11
DRN	RCB	01AUG11
CHK	JAS	01SEPT11
APP		

Baffinland Iron Mines Corporation

AREA 5200 — RAILWAY MAIN LINE

CANARAIL — DILLON CONSULTING

PROJECT NUMBER

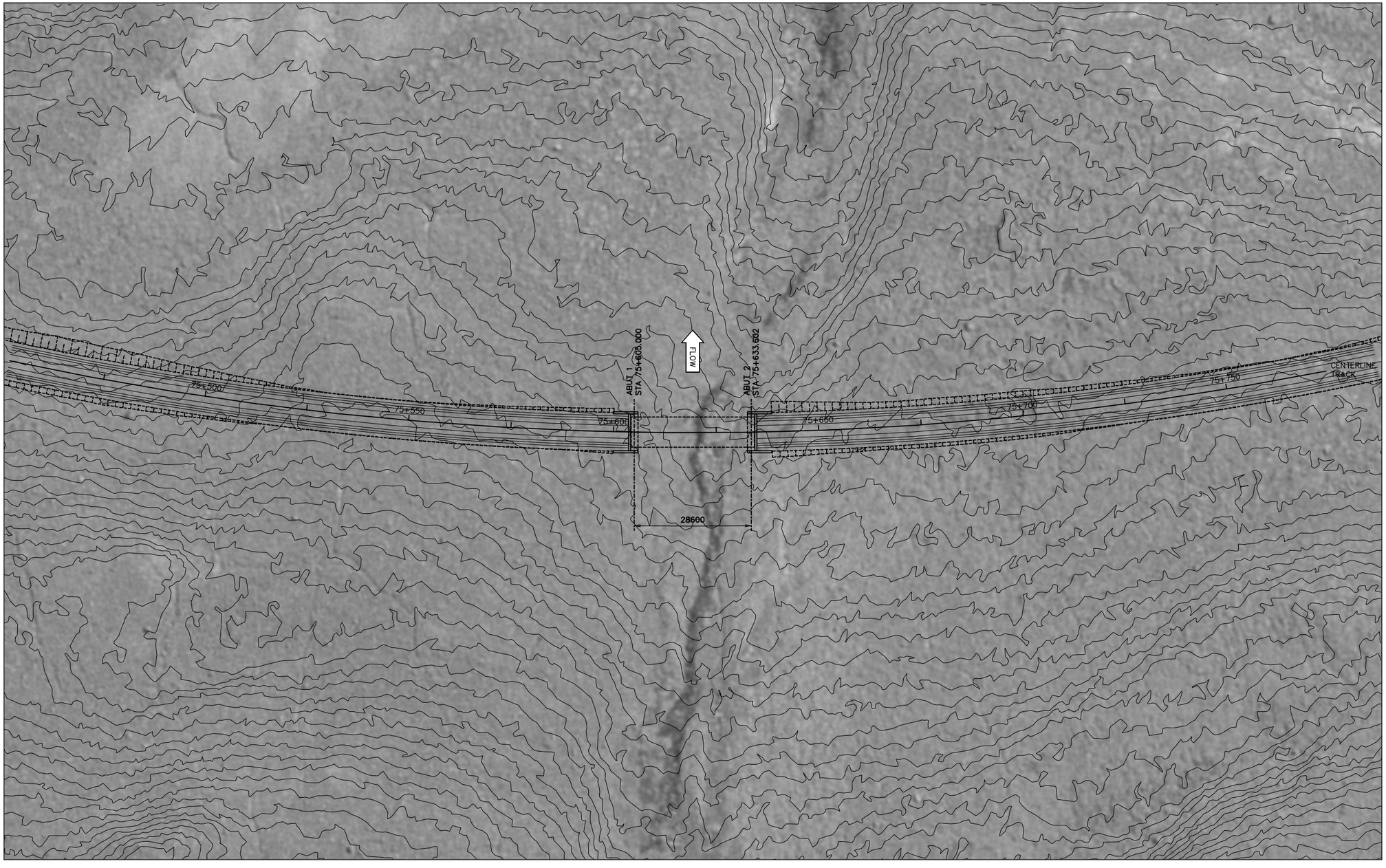
SUBJECT: CV-075-2 FOUNDATION LAYOUT

DRAWING NO. A1-159952-5200-122-6210-02

REV.

CAD FILE:

SAVED: 19/08/2011 6:52:46 PM PLOTTED: 25-Nov-11 10:57 AM USER: BARNES, RHIANA



NOTES

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REV	DDMMMYY	REVISION	DR	CHK	APP	APP	APP	APP	ISS	DDMMMYY	APP	ISSUED FOR
1	30SEP11	ISSUED FOR ENVIRONMENTAL IMPACT STATEMENT (EIS)										
0	30SEP08	ISSUED FOR ENVIRONMENTAL IMPACT STATEMENT (EIS)										

REF	NUMBER	TITLE

REFERENCES

STAMP/SEAL

Client Mgr. Engineering Mgr. Project Mgr.

PROJECT PHASE: LAND PERMIT APPLICATION

AREA: 5200

RAILWAY MAIN LINE

PROJECT NO. | ACTIVITY NO. | SCALE: 1:500 | PACKAGE CODE

	BY	DDMMMYY
DSN	KGW	01AUG11
DRN	RCB	01AUG11
CHK	JAS	01SEPT11
APP		

SUBJECT: CV–075–2 PHOTO MOSAIC

DRAWING NO.: A1–159952–5200–122–6210–03

REV.

Baffinland Iron Mines Corporation

CANARAIL

PROJECT NUMBER

DILLON CONSULTING

1:500 1180080

CAD FILE:

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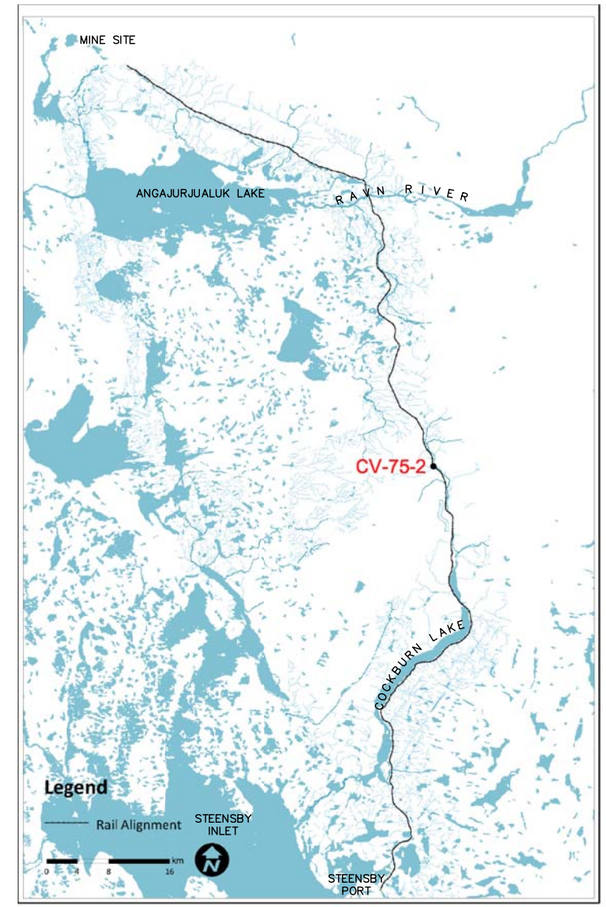

LOCATION KEY PLAN

NOTES

1. THE WATERCOURSE CROSSED BY THIS STRUCTURE IS REFERENCED AS NUMBER 124 IN THE REPORT 'FISH HABITAT ASSESSMENTS ALONG THE STEENSBY RAIL CORRIDOR' PREPARED BY KNIGHT PIESOLD CONSULTING AND DATED FEBRUARY 2008.

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REV	DDMMMYY	REVISION	DR	CHK	APP	APP	APP	APP	ISS	DDMMMYY	APP	ISSUED FOR
1	30SEP11	ISSUED FOR ENVIRONMENTAL IMPACT STATEMENT (EIS)										
0	30SEP08	ISSUED FOR ENVIRONMENTAL IMPACT STATEMENT (EIS)										

REF	NUMBER	TITLE

REFERENCES

STAMP/SEAL

Client Mgr. Engineering Mgr. Project Mgr.

Baffinland Iron Mines Corporation

CANARAIL

DILLON CONSULTING 11080070

PROJECT PHASE: LAND PERMIT APPLICATION

AREA: 5200

RAILWAY MAIN LINE

PROJECT NO. | ACTIVITY NO. | SCALE | PACKAGE CODE

	BY	DDMMMYY
DSN	KGW	01AUG11
DRN	RCB	01AUG11
CHK	JAS	01SEPT11
APP		

SUBJECT: CV–075–2 SITE PHOTOS

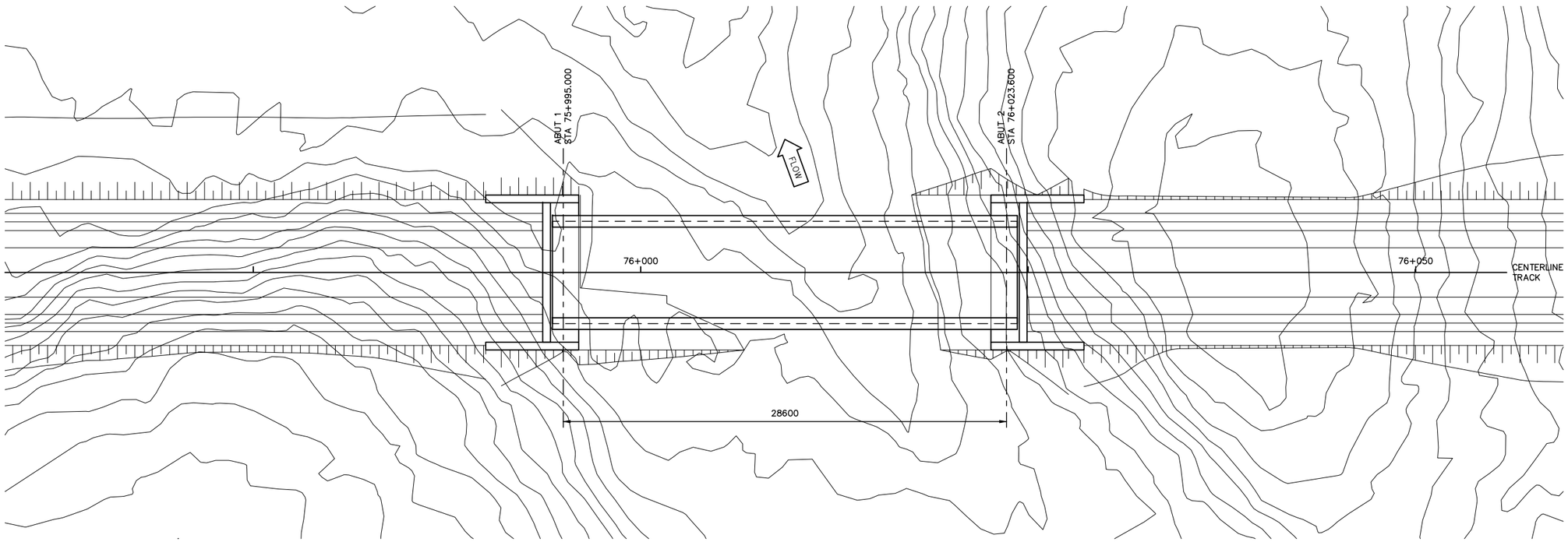
PROJECT NUMBER

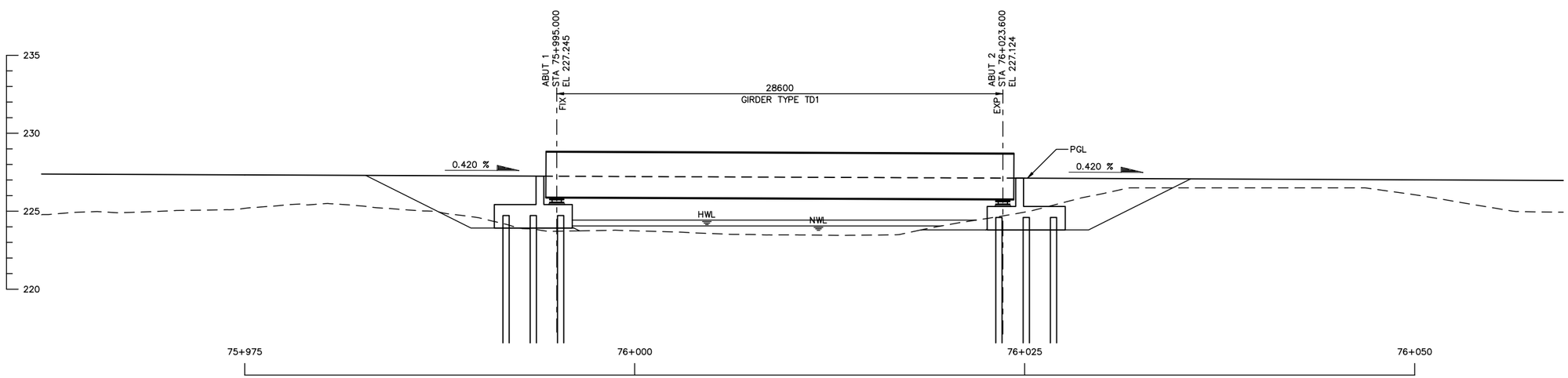
DRAWING NO.: A1–159952–5200–122–6210–04

REV.

CAD FILE:

SAVED: 19/08/2011 6:52:46 PM PLOTTED: 25–Nov–11 10:57 AM USER: BARNES, RHIANA





NOTES

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3. THE REFERENCE POINT LOCATING THIS STRUCTURE IS AT THE INTERSECTION BETWEEN THE ALIGNMENT REFERENCE LINE AND THE LOW STATION ABUTMENT BEARING CENTERLINE.

   THIS POINT IS LOCATED AS FOLLOWS:

   STA 75+995.000

   E 604235.528 N 7858670.569 ZONE 17W

   LATITUDE 70°48'36.707" N

   LONGITUDE 78°09'27.962" W
4. ALL DIMENSIONS ARE GIVEN ALONG THE CONTROL LINE UNO. THE CONTROL LINE IS ALSO THE PROFILE GRADE LINE (PGL) AND IS LOCATED AT CENTERLINE TRACK / TOP OF SUB-BALLAST.
5. THE WATERCOURSE CROSSED BY THIS STRUCTURE IS REFERENCED AS NUMBER 126A IN THE REPORT 'FISH HABITAT ASSESSMENTS ALONG THE STEENSBY RAIL CORRIDOR' PREPARED BY KNIGHT PIESOLD CONSULTING AND DATED FEBRUARY 2008.
6. THIS CROSSING IS DEFINED AS NON-NAVIGABLE.
7. FISH HABITAT RATING IS 'NONE'.
8. HIGH WATER LEVEL (HWL) = 224.430

   HWL FREEBOARD = 1.234 METERS
9. NORMAL WATER LEVEL (NWL) = 224.060

   NWL FREEBOARD = 1.604 METERS

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 PURPOSE.

REV	DDMMMYY	REVISION	DR	CHK	APP	APP	APP	APP	ISS	DDMMMYY	APP	ISSUED FOR
1	30SEP11	ISSUED FOR ENVIRONMENTAL IMPACT STATEMENT (EIS)										
0	30SEP08	ISSUED FOR ENVIRONMENTAL IMPACT STATEMENT (EIS)										

REF	NUMBER	TITLE

STAMP/SEAL

Client Mgr. Engineering Mgr. Project Mgr.

PROJECT PHASE: LAND PERMIT APPLICATION

AREA 5200

Baffinland Iron Mines Corporation

RAILWAY MAIN LINE

CANARAIL

DILLON CONSULTING

PROJECT NUMBER 1:150 1190050

PROJECT NO.	ACTIVITY NO.		BY	DDMMMYY
		DSN	KGW	01AUG11
		DRN	RCB	01AUG11
		CHK	JAS	01SEPT11
		APP		

SCALE 1:150

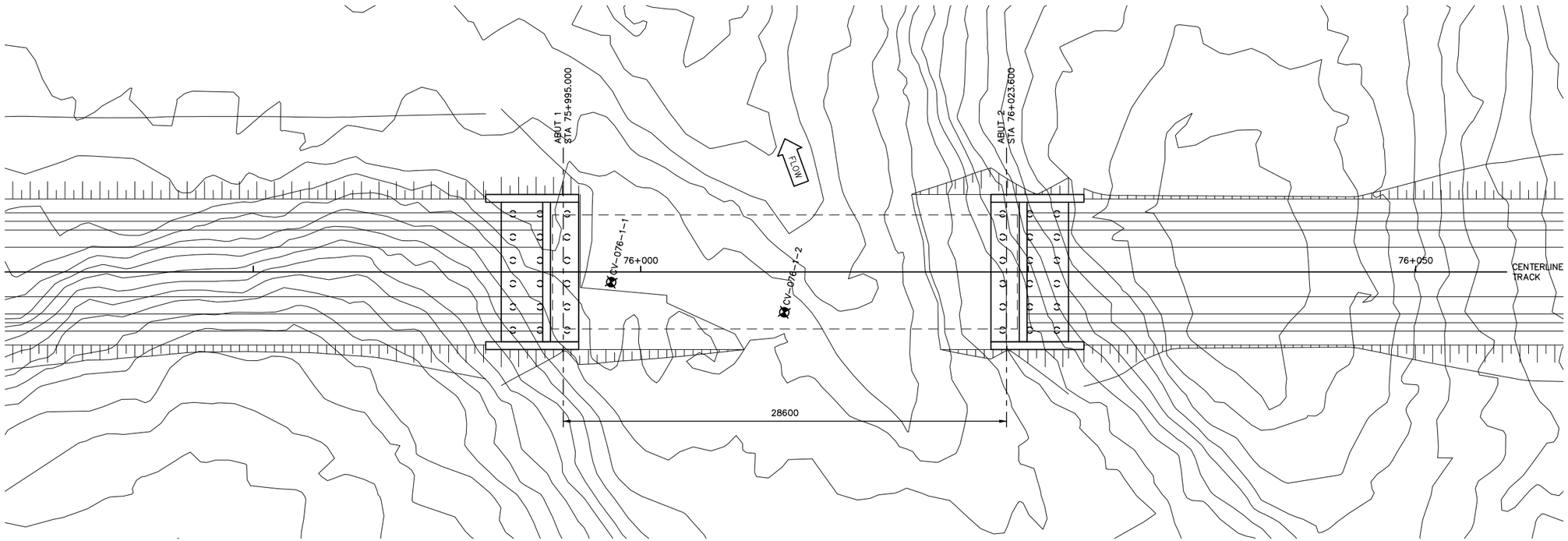
PACKAGE CODE

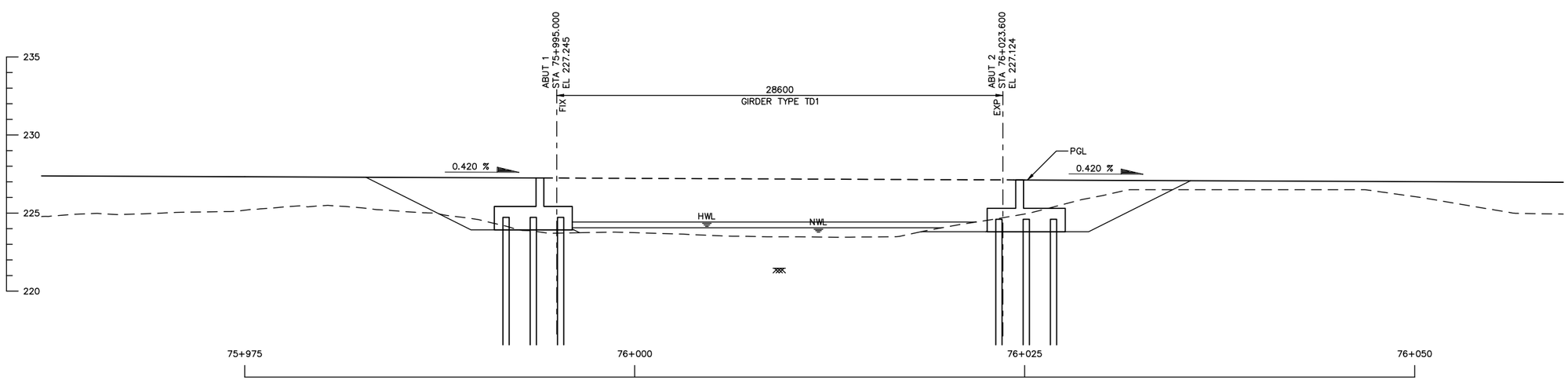
SUBJECT: CV-076-1 GENERAL PLAN AND ELEVATION

DRAWING NO. A1-159952-5200-122-6211-01

REV.

CAD FILE:





LEGEND

APPROXIMATE BOREHOLE LOCATION. SEE GEOTECHNICAL REPORT FOR EXACT LOCATION AND ADDITIONAL INFORMATION.

APPROXIMATE BEDROCK ELEVATION. SEE GEOTECHNICAL REPORT FOR EXACT ELEVATION AND ADDITIONAL INFORMATION.

BOREHOLES

ALL VALUES GIVEN BELOW ARE APPROXIMATE.

BOREHOLE	STATION	OFFSET	BEDROCK ELEV'N
CV-076-1-1	75+998	1 R	216.5
CV-076-1-2	76+009	3 R	221.5

NOTES

1. STRUCTURES SHOWN ON THIS DRAWING ARE SCHEMATIC ONLY. REFER TO DETAIL SHEETS IN OTHER SECTIONS OF THE DRAWING SET FOR MORE INFORMATION.
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REV	DDMMMYY	REVISION	DR	CHK	APP	APP	APP	APP	ISS	DDMMMYY	APP	ISSUED FOR
1	30SEP11	ISSUED FOR ENVIRONMENTAL IMPACT STATEMENT (EIS)										
0	30SEP08	ISSUED FOR ENVIRONMENTAL IMPACT STATEMENT (EIS)										

REF	NUMBER	TITLE

STAMP/SEAL

Client Mgr. Engineering Mgr. Project Mgr.

PROJECT PHASE: LAND PERMIT APPLICATION

AREA 5200

RAILWAY MAIN LINE

PROJECT NUMBER

1:150

1190020

PROJECT NO.	ACTIVITY NO.		BY	DDMMMYY
		DSN	KGW	01AUG11
		DRN	RCB	01AUG11
		CHK	JAS	01SEPT11
		APP		

SCALE 1:150

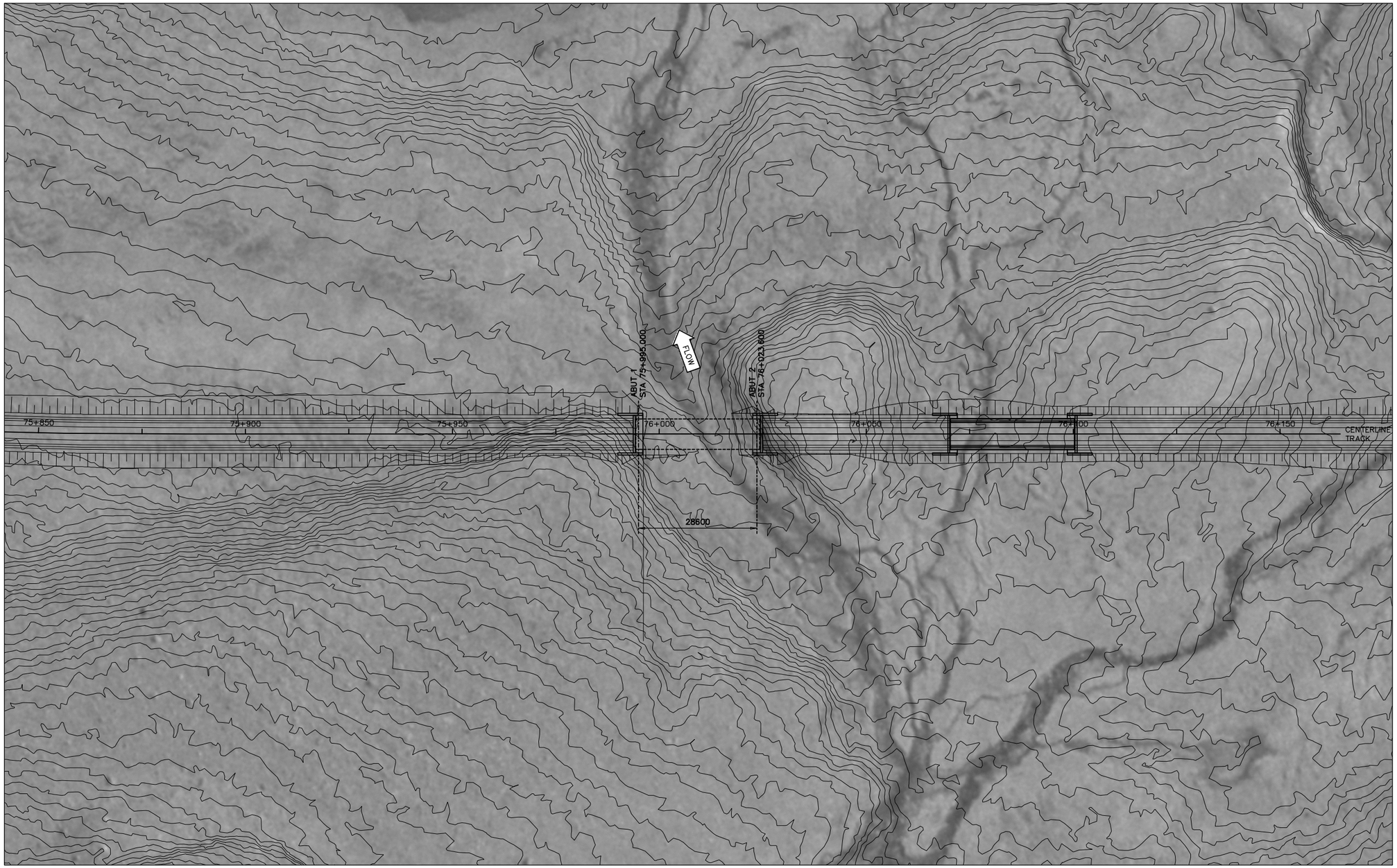
PACKAGE CODE

SUBJECT: CV-076-1 FOUNDATION LAYOUT

DRAWING NO. A1-159952-5200-122-6211-02

REV.

CAD FILE:



NOTES

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REV	DDMMMYY	REVISION	DR	CHK	APP	APP	APP	APP
1	30SEP11	ISSUED FOR ENVIRONMENTAL IMPACT STATEMENT (EIS)						
0	30SEP08	ISSUED FOR ENVIRONMENTAL IMPACT STATEMENT (EIS)						

ISS	DDMMMYY	APP	ISSUED FOR

REF	NUMBER	TITLE

REFERENCES

STAMP/SEAL

Client Mgr. | Engineering Mgr. | Project Mgr.

PROJECT PHASE: LAND PERMIT APPLICATION

AREA: 5200

RAILWAY MAIN LINE

PROJECT NO. | ACTIVITY NO. | SCALE: 1:500 | PACKAGE CODE

	BY	DDMMMYY
DSN	KGW	01AUG11
DRN	RCB	01AUG11
CHK	JAS	01SEPT11
APP		

SUBJECT: CV-076-1 PHOTO MOSAIC

Baffinland Iron Mines Corporation

CANARAIL

PROJECT NUMBER

DILLON CONSULTING

1:500 | 1190080

DRAWING NO.: A1-159952-5200-122-6211-03

REV.

CAD FILE:

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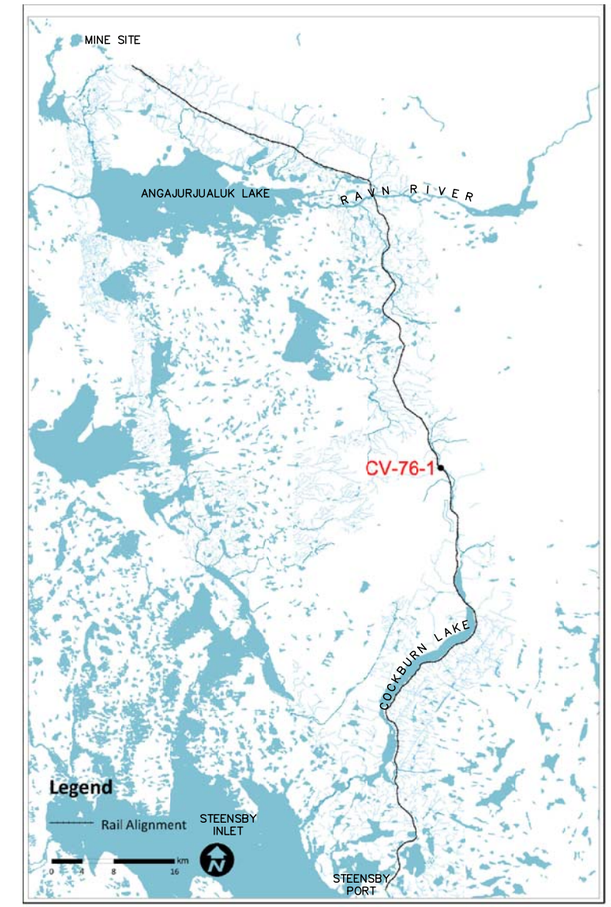

LOCATION KEY PLAN

NOTES

1. THE WATERCOURSE CROSSED BY THIS STRUCTURE IS REFERENCED AS NUMBER 126A IN THE REPORT 'FISH HABITAT ASSESSMENTS ALONG THE STEENSBY RAIL CORRIDOR' PREPARED BY KNIGHT PIESOLD CONSULTING AND DATED FEBRUARY 2008.

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REV	DDMMMYY	REVISION	DR	CHK	APP	APP	APP	APP	ISS	DDMMMYY	APP	ISSUED FOR
1	30SEP11	ISSUED FOR ENVIRONMENTAL IMPACT STATEMENT (EIS)										
0	30SEP08	ISSUED FOR ENVIRONMENTAL IMPACT STATEMENT (EIS)										

REF	NUMBER	TITLE

STAMP/SEAL

Client Mgr. Engineering Mgr. Project Mgr.

PROJECT PHASE: LAND PERMIT APPLICATION

AREA 5200: RAILWAY MAIN LINE

PROJECT NO. ACTIVITY NO. SCALE PACKAGE CODE

	BY	DDMMMYY
DSN	KGW	01AUG11
DRN	RCB	01AUG11
CHK	JAS	01SEPT11
APP		

Baffinland Iron Mines Corporation

CANARAIL

DILLON CONSULTING

PROJECT NUMBER 11980070

SUBJECT: CV-076-1 SITE PHOTOS

DRAWING NO. A1-159952-5200-122-6211-04

REV.

CAD FILE:

PLOTTED: 23-Nov-11 10:57 AM USER: BARNES, RHIANA

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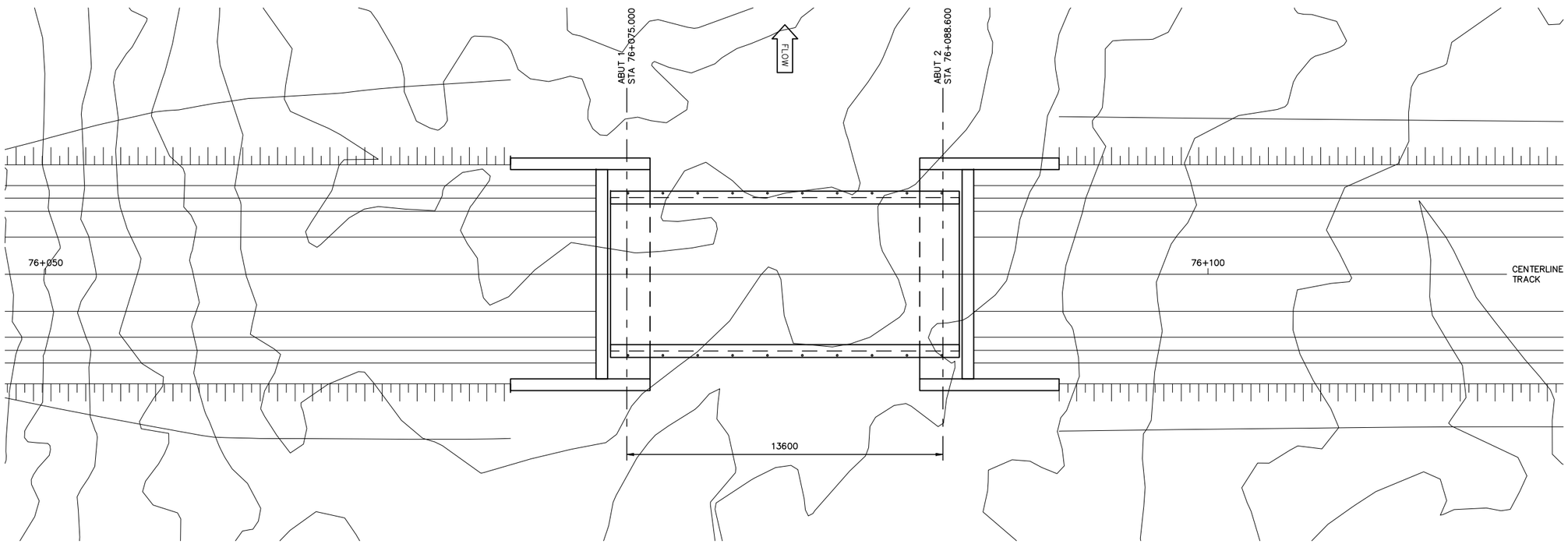
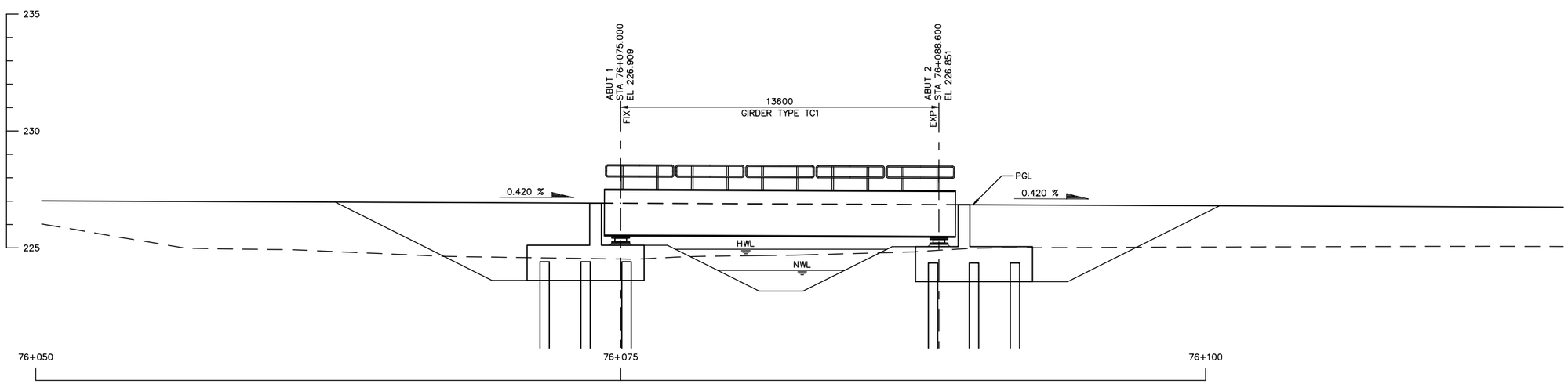




NOTES

1. STRUCTURES SHOWN ON THIS DRAWING ARE SCHEMATIC ONLY. REFER TO DETAIL SHEETS IN OTHER SECTIONS OF THE DRAWING SET FOR MORE INFORMATION.
2. CONTOURS SHOWN ON THIS DRAWING REPRESENT EXISTING GRADE ONLY.
3. THE WATERCOURSE CROSS SECTION AT THIS LOCATION REQUIRES MODIFICATION IN ORDER TO PROVIDE SUFFICIENT CLEARANCE TO THE BRIDGE STRUCTURE. THE ELEVATION VIEW ON THIS DRAWING SHOWS THE ADJUSTED CHANNEL AND THE ASSOCIATED WATER LEVELS.
4. THE REFERENCE POINT LOCATING THIS STRUCTURE IS AT THE INTERSECTION BETWEEN THE ALIGNMENT REFERENCE LINE AND THE LOW STATION ABUTMENT BEARING CENTERLINE.

   THIS POINT IS LOCATED AS FOLLOWS:

   STA 76+075.000

   E 604303.102 N 7858627.746 ZONE 17W

   LATITUDE 70°48'35.225" N

   LONGITUDE 78°09'21.536" W
5. ALL DIMENSIONS ARE GIVEN ALONG THE CONTROL LINE UNO. THE CONTROL LINE IS ALSO THE PROFILE GRADE LINE (PGL) AND IS LOCATED AT CENTERLINE TRACK / TOP OF SUB-BALLAST.
6. THE WATERCOURSE CROSSED BY THIS STRUCTURE IS REFERENCED AS NUMBER 126B IN THE REPORT 'FISH HABITAT ASSESSMENTS ALONG THE STEENSBY RAIL CORRIDOR' PREPARED BY KNIGHT PIESOLD CONSULTING AND DATED FEBRUARY 2008.
7. THIS CROSSING IS DEFINED AS NON-NAVIGABLE.
8. FISH HABITAT RATING IS 'NONE'.
9. HIGH WATER LEVEL (HWL) = 224.940

   HWL FREEBOARD = 0.471 METERS
10. NORMAL WATER LEVEL (NWL) = 224.040

    NWL FREEBOARD = 1.371 METERS
11. RIP-RAP PROTECTIVE ARMOURING FOR THE ABUTMENTS MAY BE REQUIRED. THE NEED FOR AND THE EXTENT OF THIS PROTECTION WILL BE ASSESSED AND ENGINEERED IN THE FIELD AFTER FILL PLACEMENT HAS BEEN COMPLETED.

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 PURPOSE.

REV	DDMMMYY	REVISION	DR	CHK	APP	APP	APP	APP	ISS	DDMMMYY	APP	ISSUED FOR
1	30SEP11	ISSUED FOR ENVIRONMENTAL IMPACT STATEMENT (EIS)										
0	30SEP08	ISSUED FOR ENVIRONMENTAL IMPACT STATEMENT (EIS)										

REF	NUMBER	TITLE

STAMP/SEAL

Client Mgr. Engineering Mgr. Project Mgr.

PROJECT PHASE: LAND PERMIT APPLICATION

PROJECT NO. | ACTIVITY NO. | SCALE: 1:100 | PACKAGE CODE

	BY	DDMMMYY
DSN	KGW	01AUG11
DRN	RCB	01AUG11
CHK	JAS	01SEPT11
APP		

Baffinland Iron Mines Corporation

AREA 5200 — RAILWAY MAIN LINE

SUBJECT: CV-076-2 GENERAL PLAN AND ELEVATION

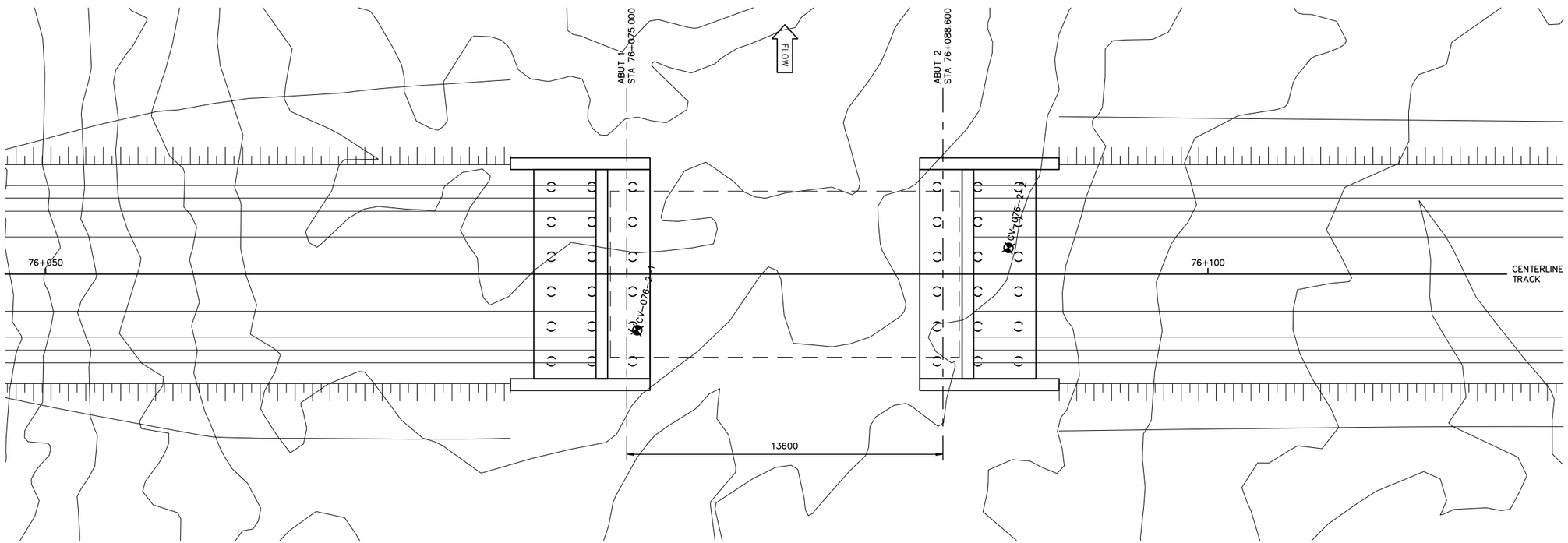
CANARAIL — DILLON CONSULTING

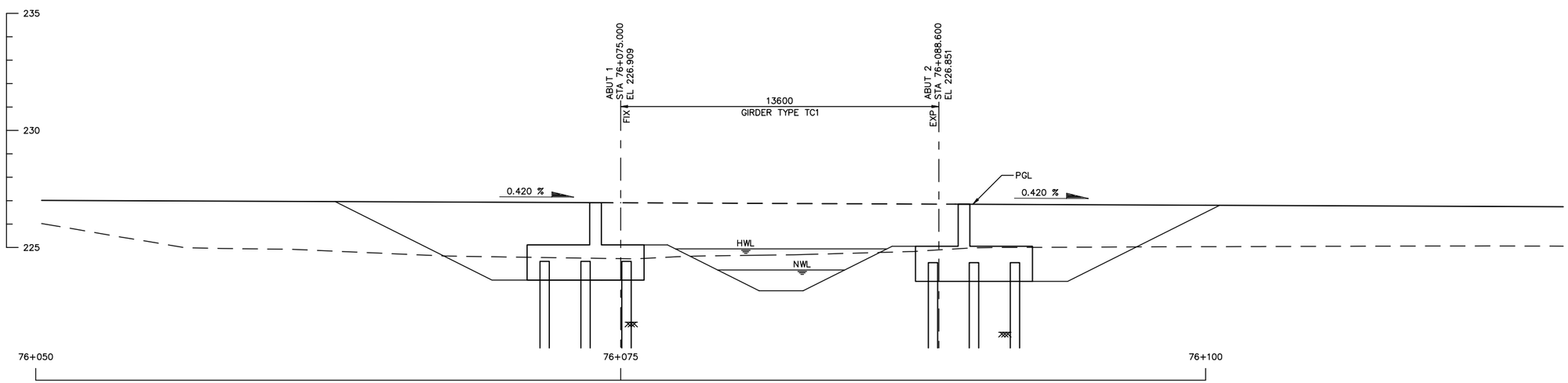
PROJECT NUMBER 1:100 1200010

DRAWING NO. A1-159952-5200-122-6212-01 — REV.

CAD FILE:

USER: BARNES, RHIANA — PLOTTED: 25-Nov-11 10:57 AM — SAVED: 19/08/2011 6:52:46 PM 6:52 PM





LEGEND

APPROXIMATE BOREHOLE LOCATION. SEE GEOTECHNICAL REPORT FOR EXACT LOCATION AND ADDITIONAL INFORMATION.

APPROXIMATE BEDROCK ELEVATION. SEE GEOTECHNICAL REPORT FOR EXACT ELEVATION AND ADDITIONAL INFORMATION.

BOREHOLES

ALL VALUES GIVEN BELOW ARE APPROXIMATE.

BOREHOLE	STATION	OFFSET	BEDROCK ELEV'N
CV-076-2-1	76+075	2 R	221.8
CV-076-2-2	76+091	1 L	221.4

NOTES

1. STRUCTURES SHOWN ON THIS DRAWING ARE SCHEMATIC ONLY. REFER TO DETAIL SHEETS IN OTHER SECTIONS OF THE DRAWING SET FOR MORE INFORMATION.
2. CONTOURS SHOWN ON THIS DRAWING REPRESENT EXISTING GRADE ONLY.

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 PURPOSE.

REV	DDMMMYY	REVISION	DR	CHK	APP	APP	APP	APP	ISS	DDMMMYY	APP	ISSUED FOR
1	30SEP11	ISSUED FOR ENVIRONMENTAL IMPACT STATEMENT (EIS)										
0	30SEP08	ISSUED FOR ENVIRONMENTAL IMPACT STATEMENT (EIS)										

REF	NUMBER	TITLE

STAMP/SEAL

Client Mgr. Engineering Mgr. Project Mgr.

PROJECT PHASE: LAND PERMIT APPLICATION

AREA 5200

RAILWAY MAIN LINE

PROJECT NUMBER

1:100 1200020

	BY	DDMMMYY
DSN	KGW	01AUG11
DRN	RCB	01AUG11
CHK	JAS	01SEPT11
APP		

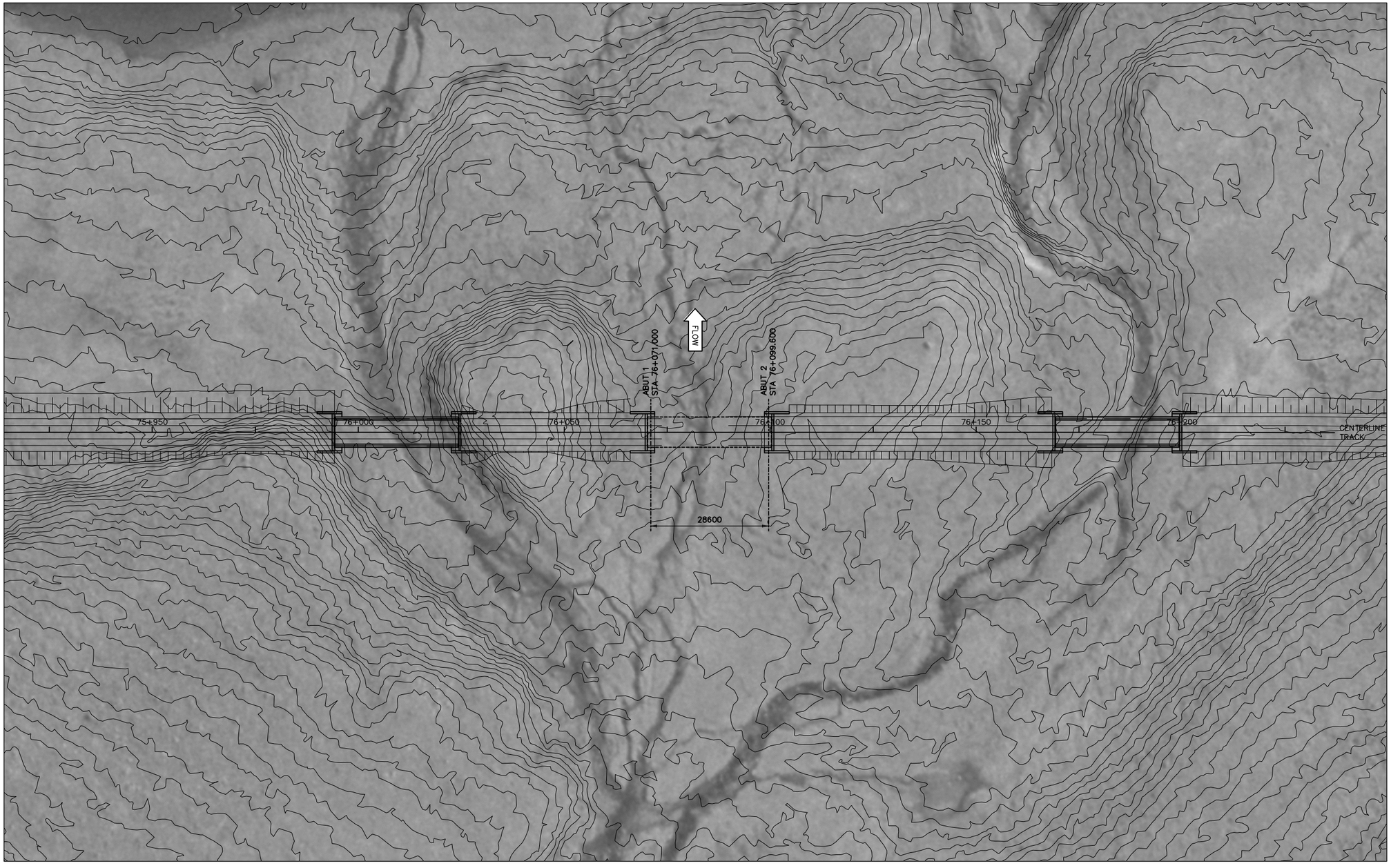
PROJECT NO. ACTIVITY NO. SCALE 1:100 PACKAGE CODE

SUBJECT: CV-076-2 FOUNDATION LAYOUT

DRAWING NO. A1-159952-5200-122-6212-02

REV.

CAD FILE:



NOTES

1. THIS PHOTO MOSAIC IS PROVIDED FOR GENERAL INFORMATION ONLY AND MAY NOT REFLECT THE CURRENT CONDITION OF THE SITE.
2. STRUCTURES SHOWN ON THIS DRAWING ARE SCHEMATIC ONLY. REFER TO DETAIL SHEETS IN OTHER SECTIONS OF THE DRAWING SET FOR MORE INFORMATION.
3. CONTOURS SHOWN ON THIS DRAWING REPRESENT EXISTING GRADE ONLY.

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REV	DDMMMYY	REVISION	DR	CHK	APP	APP	APP	APP
1	30SEP11	ISSUED FOR ENVIRONMENTAL IMPACT STATEMENT (EIS)						
0	30SEP08	ISSUED FOR ENVIRONMENTAL IMPACT STATEMENT (EIS)						

ISS	DDMMMYY	APP	ISSUED FOR

REF	NUMBER	TITLE

REFERENCES

STAMP/SEAL

Client Mgr. Engineering Mgr. Project Mgr.

PROJECT PHASE: LAND PERMIT APPLICATION

AREA 5200

RAILWAY MAIN LINE

PROJECT NO. | ACTIVITY NO. | SCALE 1:500 | PACKAGE CODE

	BY	DDMMMYY
DSN	KGW	01AUG11
DRN	RCB	01AUG11
CHK	JAS	01SEPT11
APP		

SUBJECT: CV–076–2 PHOTO MOSAIC

DRAWING NO. A1–159952–5200–122–6212–03

REV.

Baffinland Iron Mines Corporation

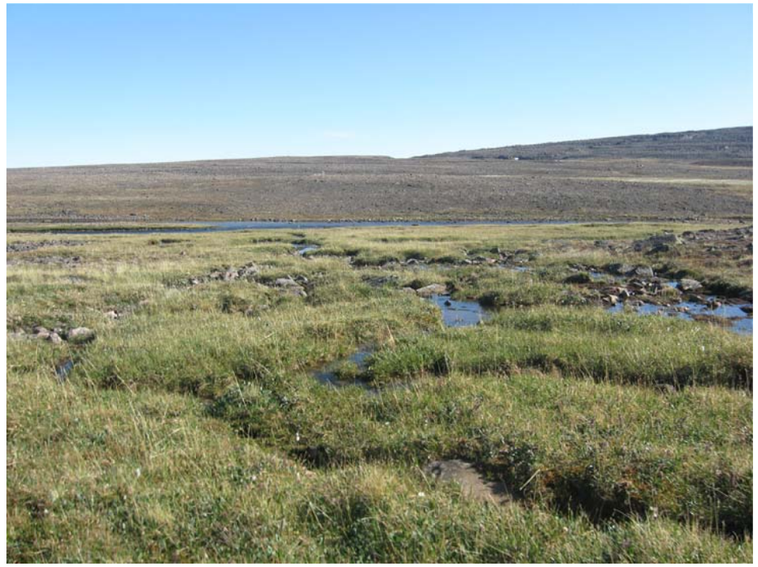
CANARAIL

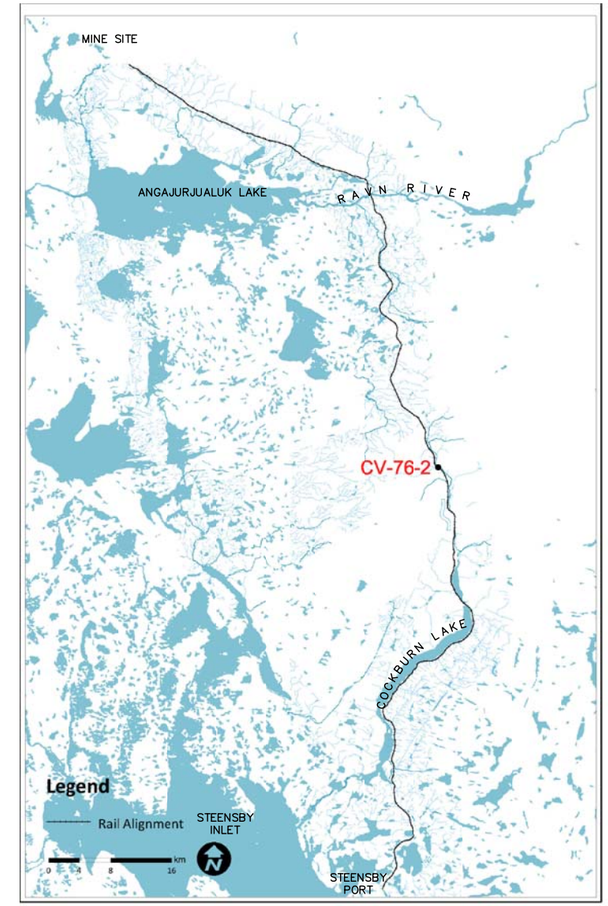
PROJECT NUMBER 1200080

DILLON CONSULTING

CAD FILE:

USER: MACKENZIE, STEVE
PLOTTED: 25–Nov–11 9:40 AM
SAVED: 19/08/2011 6:52:46 PM 6:52 PM





LOCATION KEY PLAN

NOTES

1. THE WATERCOURSE CROSSED BY THIS STRUCTURE IS REFERENCED AS NUMBER 126B IN THE REPORT 'FISH HABITAT ASSESSMENTS ALONG THE STEENSBY RAIL CORRIDOR' PREPARED BY KNIGHT PIESOLD CONSULTING AND DATED FEBRUARY 2008.

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 PURPOSE.

REV	DDMMMYY	REVISION	DR	CHK	APP	APP	APP	APP	ISS	DDMMMYY	APP	ISSUED FOR
1	30SEP11	ISSUED FOR ENVIRONMENTAL IMPACT STATEMENT (EIS)										
0	30SEP08	ISSUED FOR ENVIRONMENTAL IMPACT STATEMENT (EIS)										

REF	NUMBER	TITLE

REFERENCES

STAMP/SEAL

Client Mgr. Engineering Mgr. Project Mgr.

PROJECT PHASE: LAND PERMIT APPLICATION

AREA 5200

RAILWAY MAIN LINE

Baffinland Iron Mines Corporation

CANARAIL

DILLON CONSULTING

PROJECT NUMBER

PROJECT NO.	ACTIVITY NO.		BY	DDMMMYY
		DSN	KGW	01AUG11
		DRN	RCB	01AUG11
SCALE	PACKAGE CODE	CHK	JAS	01SEPT11
		APP		

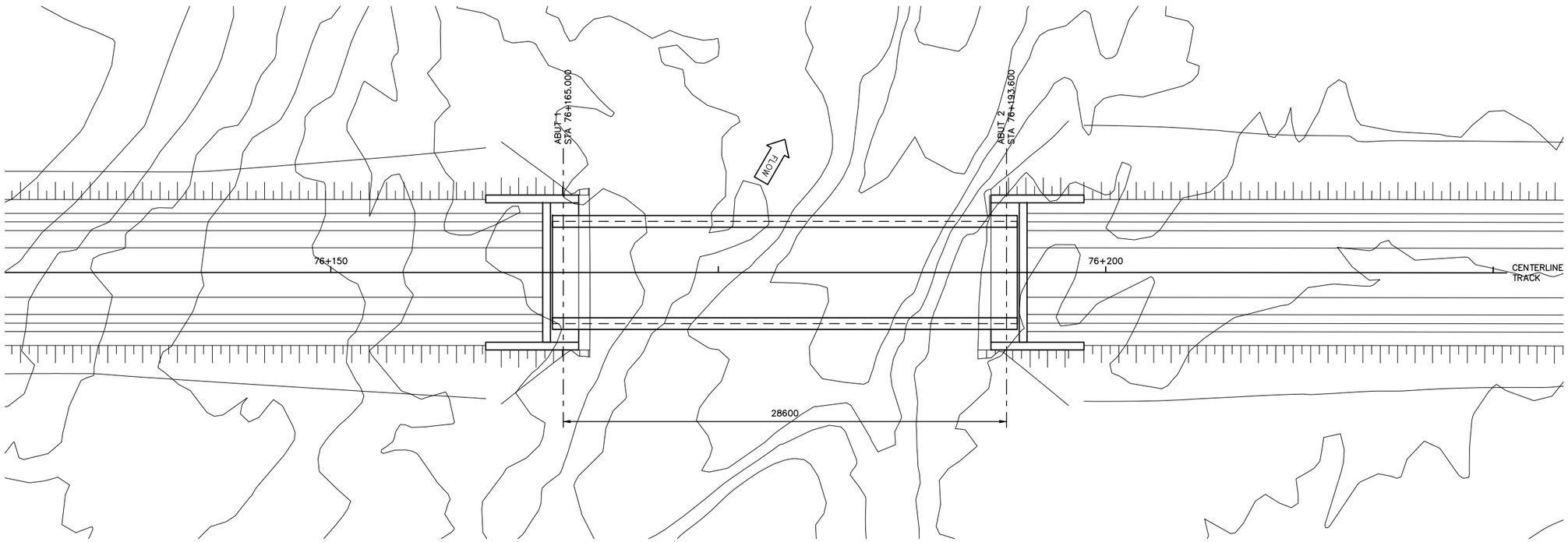
SUBJECT: CV-076-2 SITE PHOTOS

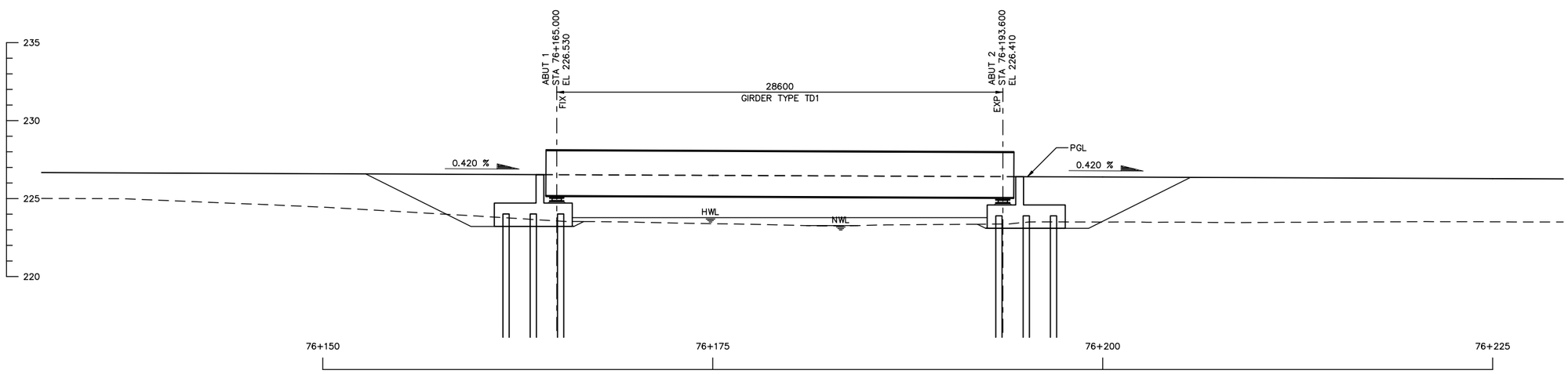
DRAWING NO. A1-159952-5200-122-6212-04

REV.

CAD FILE:

USER: BARNES, RHIANA PLOTTED: 25-Nov-11 10:57 AM SAVED: 19/08/2011 6:52:46 PM 6:52 PM





NOTES

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3. THE REFERENCE POINT LOCATING THIS STRUCTURE IS AT THE INTERSECTION BETWEEN THE ALIGNMENT REFERENCE LINE AND THE LOW STATION ABUTMENT BEARING CENTERLINE.

   THIS POINT IS LOCATED AS FOLLOWS:

   STA 76+165.000

   E 604379.122 N 7858579.570 ZONE 17W

   LATITUDE 70°48'33.556" N

   LONGITUDE 78°09'14.307" W
4. ALL DIMENSIONS ARE GIVEN ALONG THE CONTROL LINE UNO. THE CONTROL LINE IS ALSO THE PROFILE GRADE LINE (PGL) AND IS LOCATED AT CENTERLINE TRACK / TOP OF SUB-BALLAST.
5. THE WATERCOURSE CROSSED BY THIS STRUCTURE IS REFERENCED AS NUMBER 126C IN THE REPORT 'FISH HABITAT ASSESSMENTS ALONG THE STEENSBY RAIL CORRIDOR' PREPARED BY KNIGHT PIESOLD CONSULTING AND DATED FEBRUARY 2008.
6. THIS CROSSING IS DEFINED AS NON-NAVIGABLE.
7. FISH HABITAT RATING IS 'NONE'.
8. HIGH WATER LEVEL (HWL) = 223.780

   HWL FREEBOARD = 1.170 METERS
9. NORMAL WATER LEVEL (NWL) = 223.270

   NWL FREEBOARD = 1.680 METERS
10. RIP-RAP PROTECTIVE ARMOURING FOR THE ABUTMENTS MAY BE REQUIRED. THE NEED FOR AND THE EXTENT OF THIS PROTECTION WILL BE ASSESSED AND ENGINEERED IN THE FIELD AFTER FILL PLACEMENT HAS BEEN COMPLETED.

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REV	DDMMMYY	REVISION	DR	CHK	APP	APP	APP	APP	ISS	DDMMMYY	APP	ISSUED FOR
1	30SEP11	ISSUED FOR ENVIRONMENTAL IMPACT STATEMENT (EIS)										
0	30SEP08	ISSUED FOR ENVIRONMENTAL IMPACT STATEMENT (EIS)										

REF	NUMBER	TITLE

STAMP/SEAL

Client Mgr. Engineering Mgr. Project Mgr.

PROJECT PHASE: LAND PERMIT APPLICATION

PROJECT NO. | ACTIVITY NO. | SCALE: 1:150 | PACKAGE CODE

	BY	DDMMMYY
DSN	KGW	01AUG11
DRN	RCB	01AUG11
CHK	JAS	01SEPT11
APP		

Baffinland Iron Mines Corporation

AREA 5200 | RAILWAY MAIN LINE

SUBJECT: CV-076-3 GENERAL PLAN AND ELEVATION

CANARAIL

PROJECT NUMBER 1:150 1210010

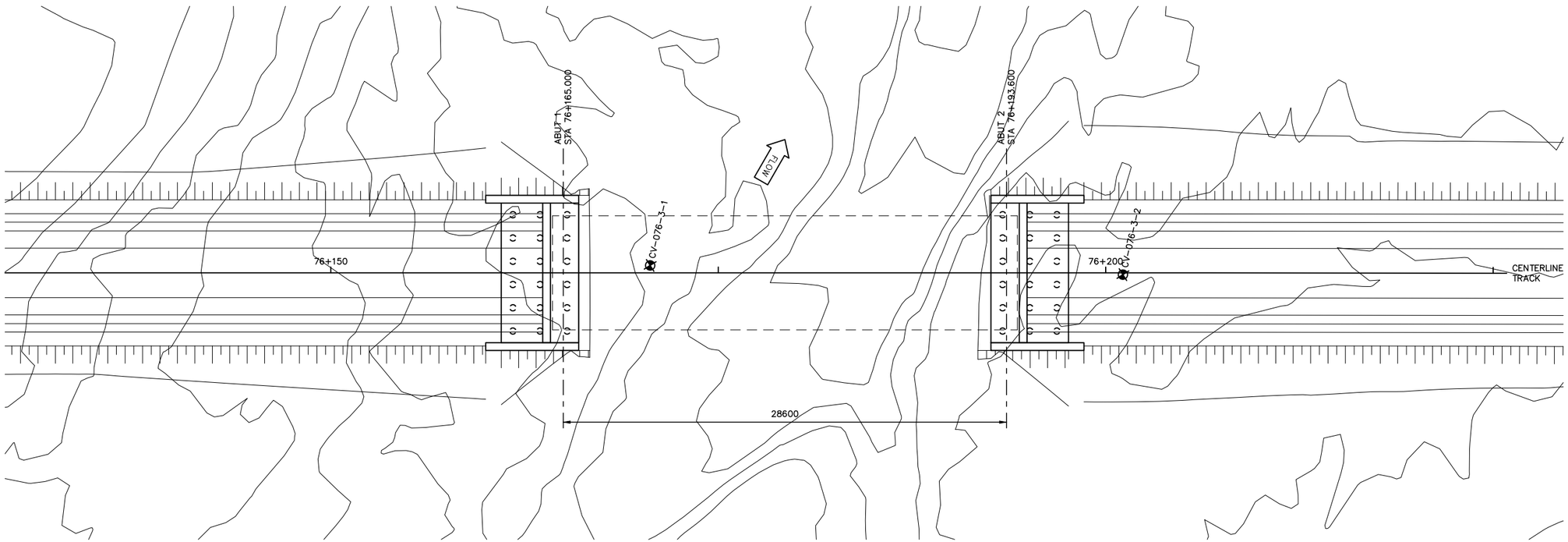
DILLON CONSULTING

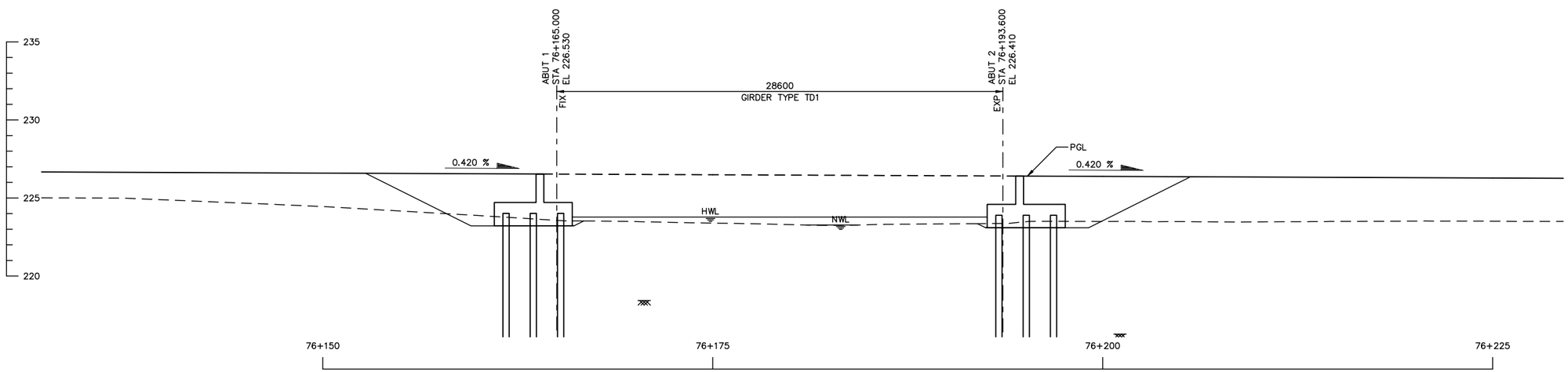
DRAWING NO. A1-159952-5200-122-6213-01

REV.

CAD FILE:

USER: BARNES, RHIANA
PLOTTED: 25-Nov-11 10:57 AM
SAVED: 19/08/2011 6:52:46 PM 6:52 PM





LEGEND

APPROXIMATE BOREHOLE LOCATION. SEE GEOTECHNICAL REPORT FOR EXACT LOCATION AND ADDITIONAL INFORMATION.

APPROXIMATE BEDROCK ELEVATION. SEE GEOTECHNICAL REPORT FOR EXACT ELEVATION AND ADDITIONAL INFORMATION.

BOREHOLES

ALL VALUES GIVEN BELOW ARE APPROXIMATE.

BOREHOLE	STATION	OFFSET	BEDROCK ELEV'N
CV-076-3-1	76+171	0 R	218.4
CV-076-3-2	76+201	0 R	216.3

NOTES

1. STRUCTURES SHOWN ON THIS DRAWING ARE SCHEMATIC ONLY. REFER TO DETAIL SHEETS IN OTHER SECTIONS OF THE DRAWING SET FOR MORE INFORMATION.
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REV	DDMMMYY	REVISION	DR	CHK	APP	APP	APP	APP	ISS	DDMMMYY	APP	ISSUED FOR
1	30SEP11	ISSUED FOR ENVIRONMENTAL IMPACT STATEMENT (EIS)										
0	30SEP08	ISSUED FOR ENVIRONMENTAL IMPACT STATEMENT (EIS)										

REF	NUMBER	TITLE

STAMP/SEAL

Client Mgr. Engineering Mgr. Project Mgr.

PROJECT PHASE: LAND PERMIT APPLICATION

AREA 5200

RAILWAY MAIN LINE

PROJECT NUMBER

1:150

1210020

PROJECT NO.	ACTIVITY NO.		BY	DDMMMYY
		DSN	KGW	01AUG11
		DRN	RCB	01AUG11
		CHK	JAS	01SEPT11
		APP		

SCALE 1:150

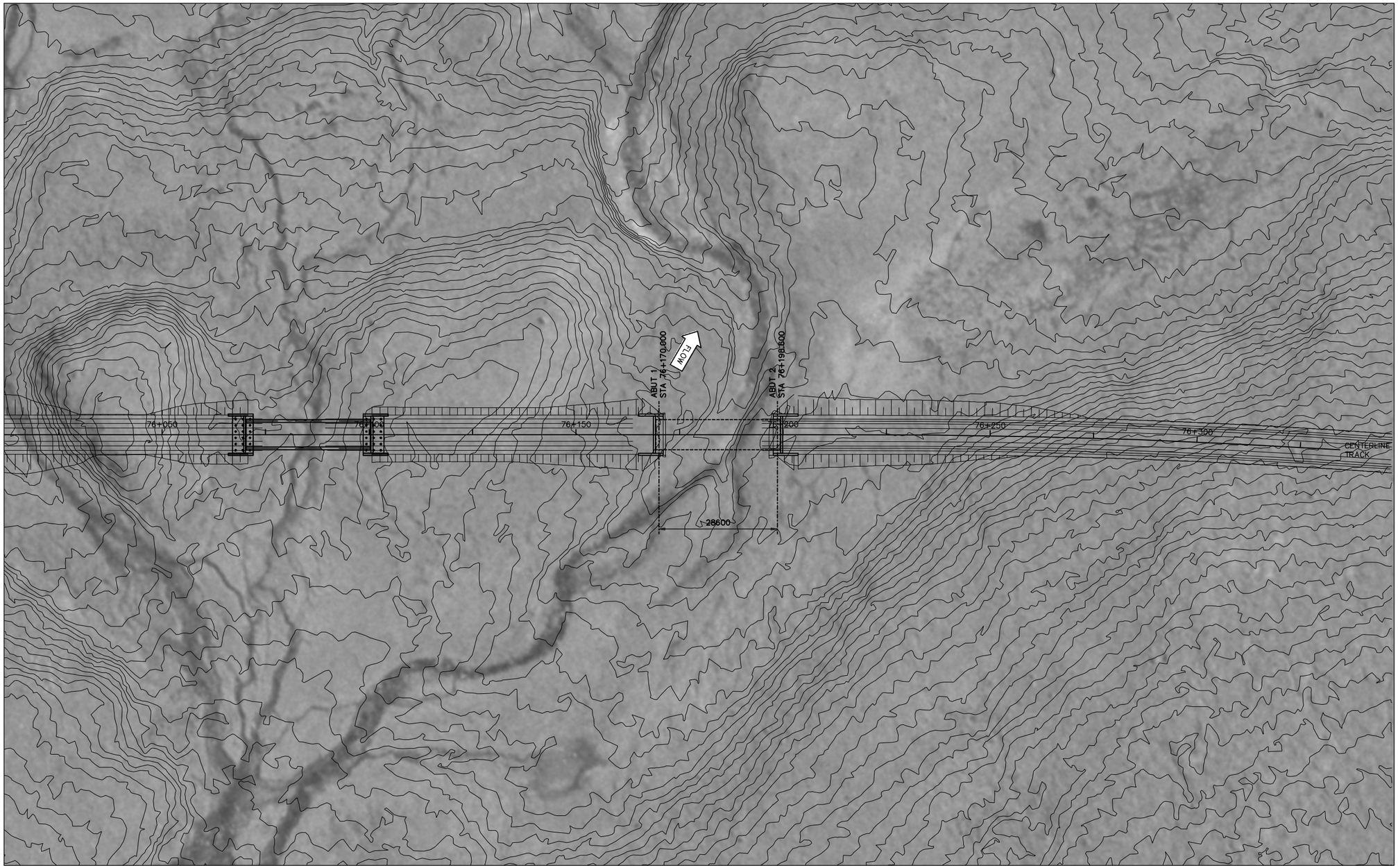
PACKAGE CODE

SUBJECT: CV-076-3 FOUNDATION LAYOUT

DRAWING NO. A1-159952-5200-122-6213-02

REV.

CAD FILE:



NOTES

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REV	DDMMMYY	REVISION	DR	CHK	APP	APP	APP	APP
1	30SEP11	ISSUED FOR ENVIRONMENTAL IMPACT STATEMENT (EIS)						
0	30SEP08	ISSUED FOR ENVIRONMENTAL IMPACT STATEMENT (EIS)						

ISS	DDMMMYY	APP	ISSUED FOR

REF	NUMBER	TITLE

REFERENCES

STAMP/SEAL

Client Mgr. Engineering Mgr. Project Mgr.

PROJECT PHASE: LAND PERMIT APPLICATION

PROJECT NO. | ACTIVITY NO. | SCALE: 1:500 | PACKAGE CODE

	BY	DDMMMYY
DSN	KGW	01AUG11
DRN	RCB	01AUG11
CHK	JAS	01SEPT11
APP		

Baffinland Iron Mines Corporation

AREA 5200 — RAILWAY MAIN LINE

SUBJECT: CV–076–3 PHOTO MOSAIC

CANARIL — PROJECT NUMBER — 1:500 — 1210080

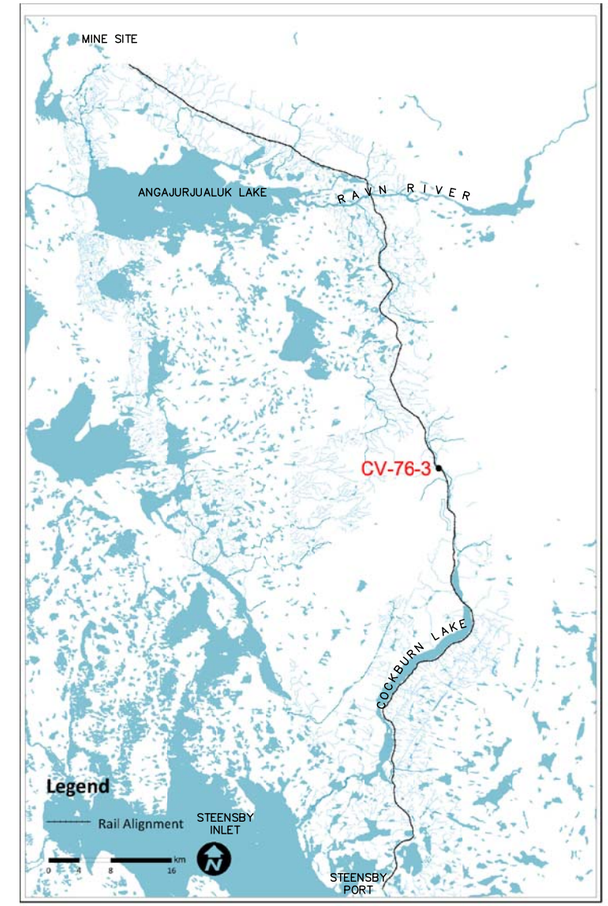
DILLON CONSULTING

DRAWING NO. A1–159952–5200–122–6213–03

REV.

CAD FILE:

SAVED: 19/08/2011 6:52:46 PM PLOTTED: 25–Nov–11 9:40 AM USER: MACKENZIE, STEVE



LOCATION KEY PLAN

NOTES

1. THE WATERCOURSE CROSSED BY THIS STRUCTURE IS REFERENCED AS NUMBER 126C IN THE REPORT 'FISH HABITAT ASSESSMENTS ALONG THE STEENSBY RAIL CORRIDOR' PREPARED BY KNIGHT PIESOLD CONSULTING AND DATED FEBRUARY 2008.

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 PURPOSE.

REV	DDMMMYY	REVISION	DR	CHK	APP	APP	APP	APP	ISS	DDMMMYY	APP	ISSUED FOR
1	30SEP11	ISSUED FOR ENVIRONMENTAL IMPACT STATEMENT (EIS)										
0	30SEP08	ISSUED FOR ENVIRONMENTAL IMPACT STATEMENT (EIS)										

REF	NUMBER	TITLE

REFERENCES

STAMP/SEAL

Client Mgr. Engineering Mgr. Project Mgr.

PROJECT PHASE: LAND PERMIT APPLICATION

AREA: 5200

RAILWAY MAIN LINE

PROJECT NO. | ACTIVITY NO. | SCALE | PACKAGE CODE

	BY	DDMMMYY
DSN	KGW	01AUG11
DRN	RCB	01AUG11
CHK	JAS	01SEPT11
APP		

SUBJECT: CV-076-3 SITE PHOTOS

PROJECT NUMBER

DRAWING NO.: A1-159952-5200-122-6213-04

REV.

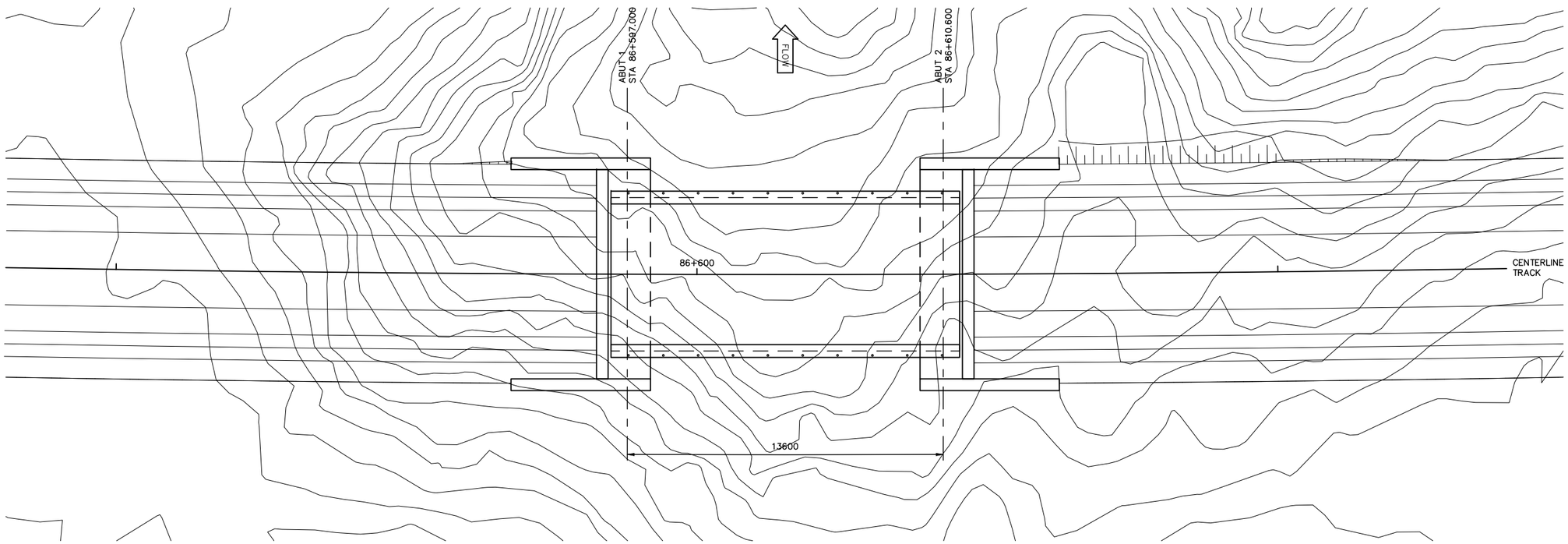
Baffinland Iron Mines Corporation

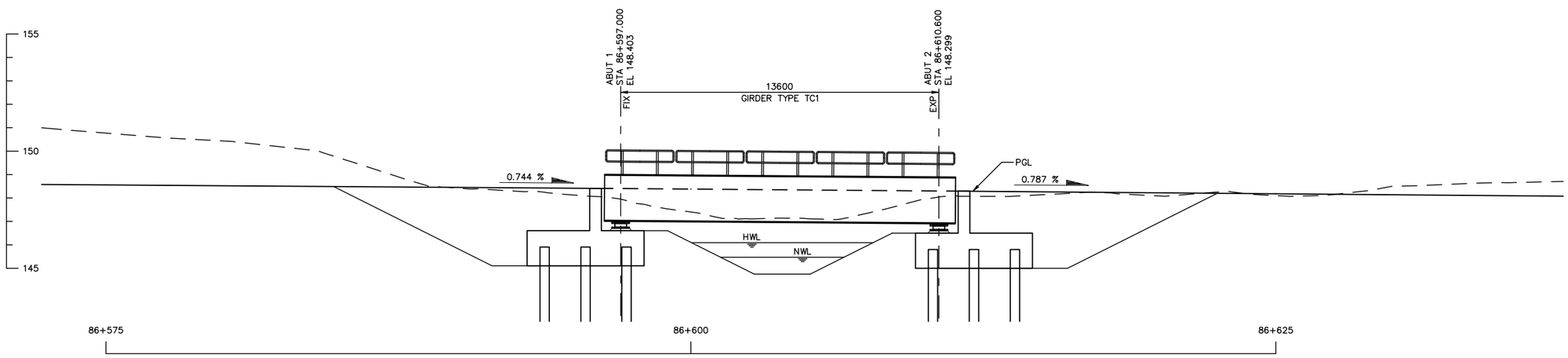
CANARAIL

DILLON CONSULTING

CAD FILE:

SAVED: 19/08/2011 6:52:46 PM PLOTTED: 25-Nov-11 10:58 AM USER: BARNES, RHIANA





NOTES

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2. CONTOURS SHOWN ON THIS DRAWING REPRESENT EXISTING GRADE ONLY.
3. THE WATERCOURSE CROSS SECTION AT THIS LOCATION REQUIRES MODIFICATION IN ORDER TO PROVIDE SUFFICIENT CLEARANCE TO THE BRIDGE STRUCTURE. THE ELEVATION VIEW ON THIS DRAWING SHOWS THE ADJUSTED CHANNEL AND THE ASSOCIATED WATER LEVELS.
4. THE REFERENCE POINT LOCATING THIS STRUCTURE IS AT THE INTERSECTION BETWEEN THE ALIGNMENT REFERENCE LINE AND THE LOW STATION ABUTMENT BEARING CENTERLINE.

   THIS POINT IS LOCATED AS FOLLOWS:

   STA 86+597.000

   E 606181.195 N 7848868.242 ZONE 17W

   LATITUDE 70°43'17.730" N

   LONGITUDE 78°07'02.945" W
5. ALL DIMENSIONS ARE GIVEN ALONG THE CONTROL LINE UNO. THE CONTROL LINE IS ALSO THE PROFILE GRADE LINE (PGL) AND IS LOCATED AT CENTERLINE TRACK / TOP OF SUB-BALLAST.
6. THE WATERCOURSE CROSSED BY THIS STRUCTURE IS REFERENCED AS NUMBER 159 IN THE REPORT 'FISH HABITAT ASSESSMENTS ALONG THE STEENSBY RAIL CORRIDOR' PREPARED BY KNIGHT PIESOLD CONSULTING AND DATED FEBRUARY 2008.
7. THIS CROSSING IS DEFINED AS NON-NAVIGABLE.
8. FISH HABITAT RATING IS 'NONE'.
9. HIGH WATER LEVEL (HWL) = 146.090

   HWL FREEBOARD = 0.769 METERS
10. NORMAL WATER LEVEL (NWL) = 145.470

    NWL FREEBOARD = 1.389 METERS
11. RIP-RAP PROTECTIVE ARMOURING FOR THE ABUTMENTS MAY BE REQUIRED. THE NEED FOR AND THE EXTENT OF THIS PROTECTION WILL BE ASSESSED AND ENGINEERED IN THE FIELD AFTER FILL PLACEMENT HAS BEEN COMPLETED.

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1	30SEP11	ISSUED FOR ENVIRONMENTAL IMPACT STATEMENT (EIS)										
0	30SEP08	ISSUED FOR ENVIRONMENTAL IMPACT STATEMENT (EIS)										

REF	NUMBER	TITLE

STAMP/SEAL

Client Mgr. Engineering Mgr. Project Mgr.

PROJECT PHASE: LAND PERMIT APPLICATION

PROJECT NO. | ACTIVITY NO. | SCALE: 1:100 | PACKAGE CODE

	BY	DDMMMYY
DSN	KGW	01AUG11
DRN	RCB	01AUG11
CHK	JAS	01SEPT11
APP		

Baffinland Iron Mines Corporation

AREA 5200 — RAILWAY MAIN LINE

SUBJECT: CV-086-1 GENERAL PLAN AND ELEVATION

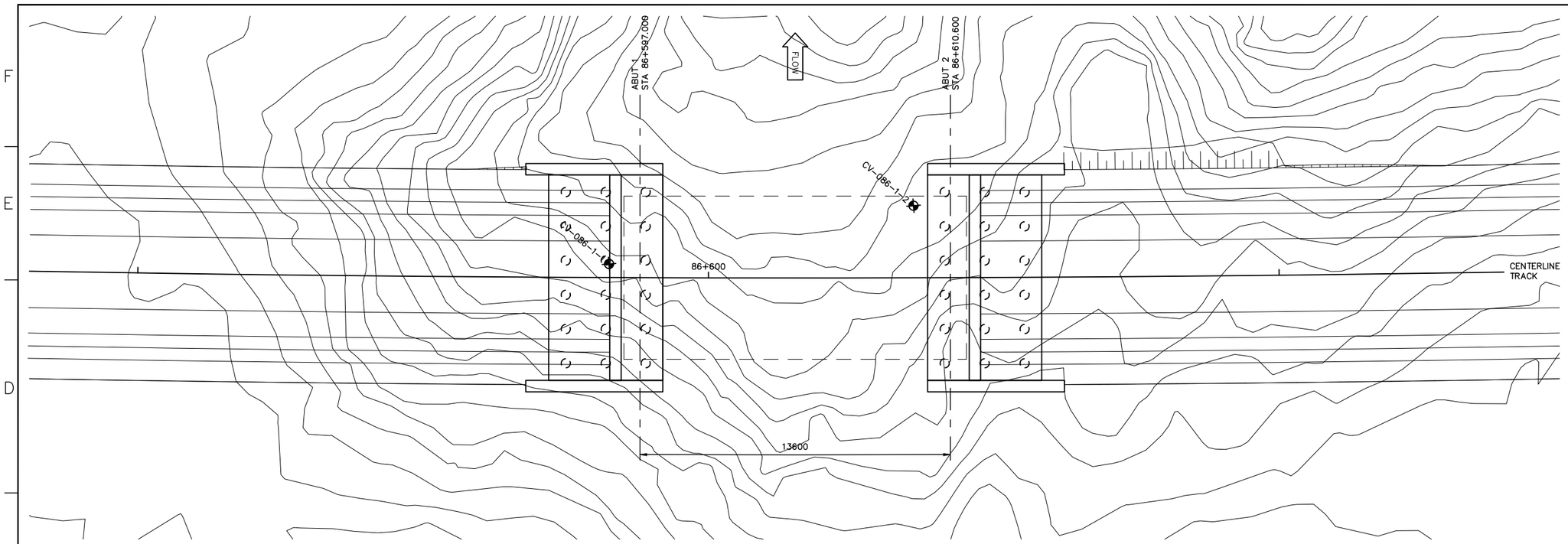
CANARAIL — DILLON CONSULTING

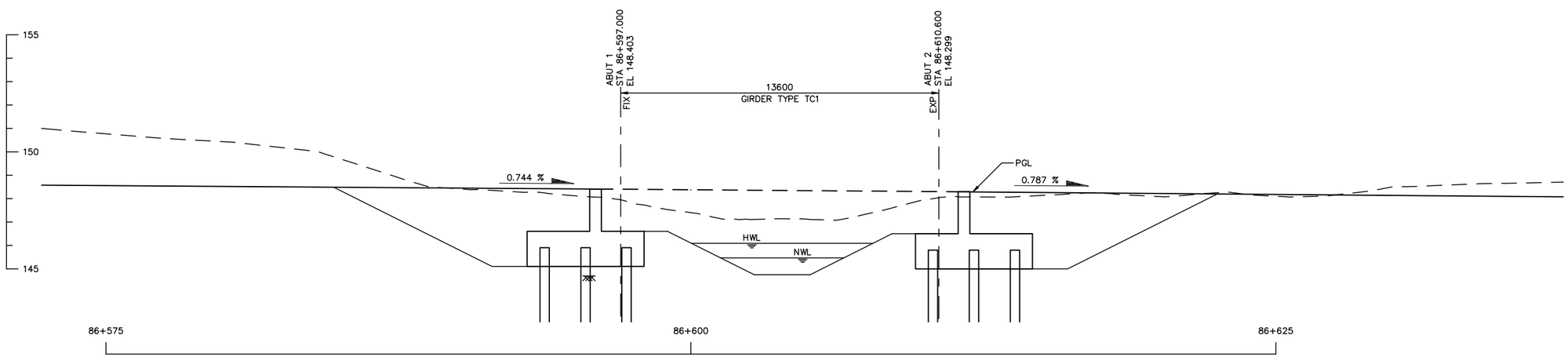
PROJECT NUMBER 1:100 1230010

DRAWING NO. A1-159952-5200-122-6214-01 — REV.

CAD FILE:

USER: BARNES, RHIANA
PLOTTED: 25-Nov-11 10:58 AM
SAVED: 19/08/2011 6:52:46 PM 6:52 PM





LEGEND

APPROXIMATE BOREHOLE LOCATION. SEE GEOTECHNICAL REPORT FOR EXACT LOCATION AND ADDITIONAL INFORMATION.

APPROXIMATE BEDROCK ELEVATION. SEE GEOTECHNICAL REPORT FOR EXACT ELEVATION AND ADDITIONAL INFORMATION.

BOREHOLES

ALL VALUES GIVEN BELOW ARE APPROXIMATE.

BOREHOLE	STATION	OFFSET	BEDROCK ELEV'N
CV-086-1-1	86+596	1 L	144.7
CV-086-1-2	86+609	3 L	142.5

NOTES

1. STRUCTURES SHOWN ON THIS DRAWING ARE SCHEMATIC ONLY. REFER TO DETAIL SHEETS IN OTHER SECTIONS OF THE DRAWING SET FOR MORE INFORMATION.
2. CONTOURS SHOWN ON THIS DRAWING REPRESENT EXISTING GRADE ONLY.

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 PURPOSE.

REV	DDMMMYY	REVISION	DR	CHK	APP	APP	APP	APP	ISS	DDMMMYY	APP	ISSUED FOR
1	30SEP11	ISSUED FOR ENVIRONMENTAL IMPACT STATEMENT (EIS)										
0	30SEP08	ISSUED FOR ENVIRONMENTAL IMPACT STATEMENT (EIS)										

REF	NUMBER	TITLE

REFERENCES

STAMP/SEAL

Client Mgr. Engineering Mgr. Project Mgr.

PROJECT PHASE: LAND PERMIT APPLICATION

AREA 5200

RAILWAY MAIN LINE

PROJECT NO. | ACTIVITY NO. | SCALE 1:100 | PACKAGE CODE

	BY	DDMMMYY
DSN	KGW	01AUG11
DRN	RCB	01AUG11
CHK	JAS	01SEPT11
APP		

SUBJECT: CV-086-1 FOUNDATION LAYOUT

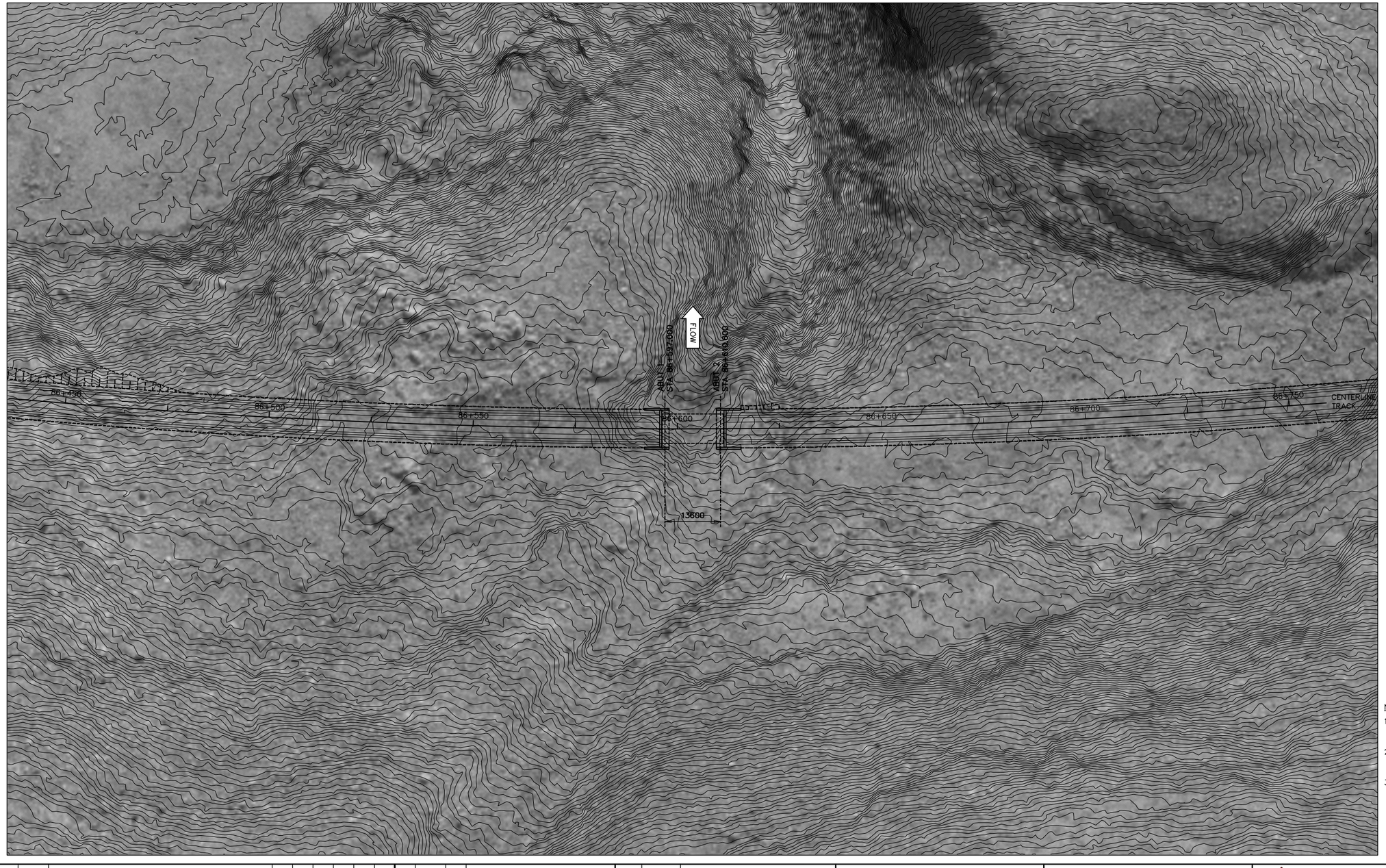
DRAWING NO. A1-159952-5200-122-6214-02

REV.

PROJECT NUMBER 1230020

1:100

CAD FILE:



NOTES

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REV	DDMMMYY	REVISION	DR	CHK	APP	APP	APP	APP
1	30SEP11	ISSUED FOR ENVIRONMENTAL IMPACT STATEMENT (EIS)						
0	30SEP08	ISSUED FOR ENVIRONMENTAL IMPACT STATEMENT (EIS)						

ISS	DDMMMYY	APP	ISSUED FOR

REF	NUMBER	TITLE

STAMP/SEAL

Client Mgr. Engineering Mgr. Project Mgr.

PROJECT PHASE: LAND PERMIT APPLICATION

AREA: 5200

RAILWAY MAIN LINE

	BY	DDMMMYY
DSN	KGW	01AUG11
DRN	RCB	01AUG11
CHK	JAS	01SEPT11
APP		

PROJECT NO. | ACTIVITY NO. | SCALE: 1:500 | PACKAGE CODE

SUBJECT: CV–086–1 PHOTO MOSAIC

PROJECT NUMBER: 1:500 1230080

DRAWING NO.: A1–159952–5200–122–6214–03

REV.

CAD FILE:

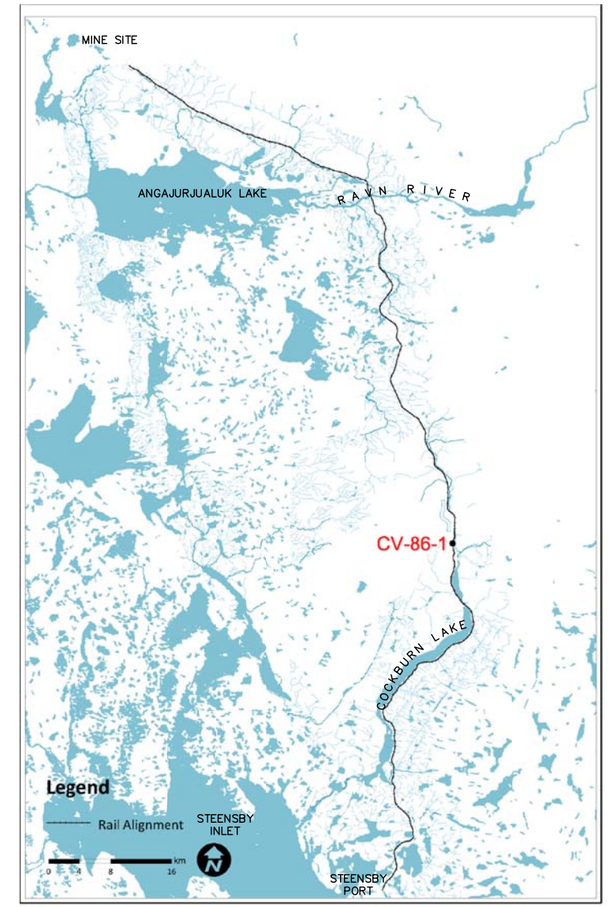
Baffinland Iron Mines Corporation

CANARAIL

DILLON CONSULTING

PLOTTED: 23-Nov-11 10:04 AM USER: MACKENZIE, STEVE

SAVED: 19/08/2011 6:52:46 PM



LOCATION KEY PLAN

NOTES

1. THE WATERCOURSE CROSSED BY THIS STRUCTURE IS REFERENCED AS NUMBER 159 IN THE REPORT 'FISH HABITAT ASSESSMENTS ALONG THE STEENSBY RAIL CORRIDOR' PREPARED BY KNIGHT PIESOLD CONSULTING AND DATED FEBRUARY 2008.

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 PURPOSE.

REV	DDMMMYY	REVISION	DR	CHK	APP	APP	APP	APP	ISS	DDMMMYY	APP	ISSUED FOR
1	30SEP11	ISSUED FOR ENVIRONMENTAL IMPACT STATEMENT (EIS)										
0	30SEP08	ISSUED FOR ENVIRONMENTAL IMPACT STATEMENT (EIS)										

REF	NUMBER	TITLE

REFERENCES

STAMP/SEAL

Client Mgr. Engineering Mgr. Project Mgr.

Baffinland Iron Mines Corporation

CANARAIL

DILLON CONSULTING

PROJECT PHASE: LAND PERMIT APPLICATION

AREA: 5200

RAILWAY MAIN LINE

PROJECT NUMBER

PROJECT NO. | ACTIVITY NO. | SCALE | PACKAGE CODE

	BY	DDMMMYY
DSN	KGW	01AUG11
DRN	RCB	01AUG11
CHK	JAS	01SEPT11
APP		

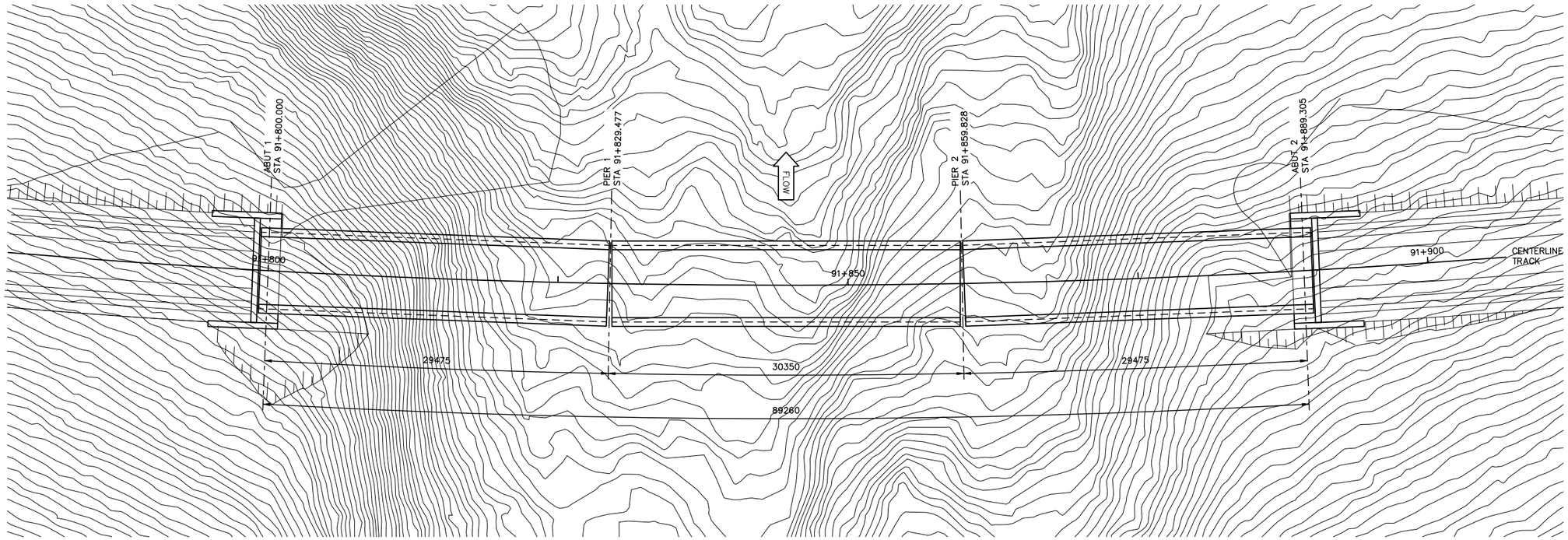
SUBJECT: CV-086-1 SITE PHOTOS

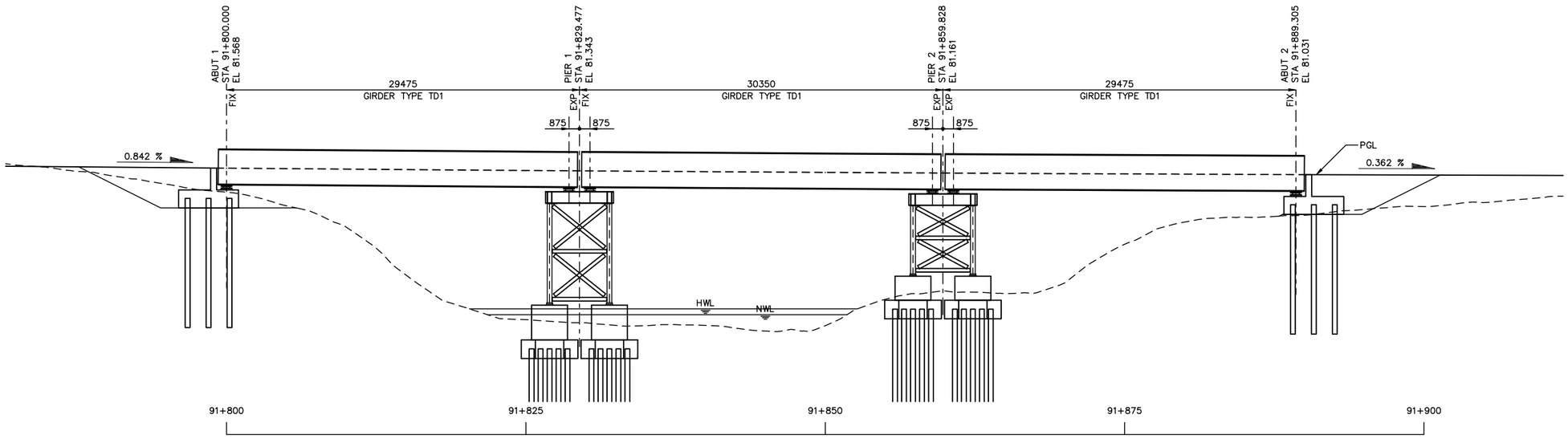
DRAWING NO.: A1-159952-5200-122-6214-04

REV.

CAD FILE:

SAVED: 19/08/2011 6:52:46 PM PLOTTED: 25-Nov-11 10:58 AM USER: BARNES, RHIANA





NOTES

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2. CONTOURS SHOWN ON THIS DRAWING REPRESENT EXISTING GRADE ONLY.
3. THE REFERENCE POINT LOCATING THIS STRUCTURE IS AT THE INTERSECTION BETWEEN THE ALIGNMENT REFERENCE LINE AND THE LOW STATION ABUTMENT BEARING CENTERLINE.

   THIS POINT IS LOCATED AS FOLLOWS:

   STA 91+800.000

   E 605928.584 N 7843811.976 ZONE 17W

   LATITUDE 70°40'35.108" N

   LONGITUDE 78°07'50.931" W
4. ALL DIMENSIONS ARE GIVEN ALONG THE CONTROL LINE UNO. THE CONTROL LINE IS ALSO THE PROFILE GRADE LINE (PGL) AND IS LOCATED AT CENTERLINE TRACK / TOP OF SUB-BALLAST.
5. THE WATERCOURSE CROSSED BY THIS STRUCTURE IS REFERENCED AS NUMBER 160 IN THE REPORT 'FISH HABITAT ASSESSMENTS ALONG THE STEENSBY RAIL CORRIDOR' PREPARED BY KNIGHT PIESOLD CONSULTING AND DATED FEBRUARY 2008.
6. THIS CROSSING IS DEFINED AS NON-NAVIGABLE.
7. FISH HABITAT RATING IS 'NONE'.
8. HIGH WATER LEVEL (HWL) = 69.820

   HWL FREEBOARD = 9.751 METERS
9. NORMAL WATER LEVEL (NWL) = 69.330

   NWL FREEBOARD = 10.241 METERS
10. RIP-RAP PROTECTIVE ARMOURING FOR THE ABUTMENTS MAY BE REQUIRED. THE NEED FOR AND THE EXTENT OF THIS PROTECTION WILL BE ASSESSED AND ENGINEERED IN THE FIELD AFTER FILL PLACEMENT HAS BEEN COMPLETED.

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 PURPOSE.

REV	DDMMMYY	REVISION	DR	CHK	APP	APP	APP	APP	ISS	DDMMMYY	APP	ISSUED FOR
1	30SEP11	ISSUED FOR ENVIRONMENTAL IMPACT STATEMENT (EIS)										
0	30SEP08	ISSUED FOR ENVIRONMENTAL IMPACT STATEMENT (EIS)										

REF	NUMBER	TITLE

STAMP/SEAL

Client Mgr. | Engineering Mgr. | Project Mgr.

PROJECT PHASE: LAND PERMIT APPLICATION

PROJECT NO. | ACTIVITY NO. | SCALE: 1:200 | PACKAGE CODE

	BY	DDMMMYY
DSN	KGW	01AUG11
DRN	RCB	01AUG11
CHK	JAS	01SEPT11
APP		

Baffinland Iron Mines Corporation

AREA 5200 — RAILWAY MAIN LINE

SUBJECT: BR-091-1 GENERAL PLAN AND ELEVATION

CANARAIL — DILLON CONSULTING

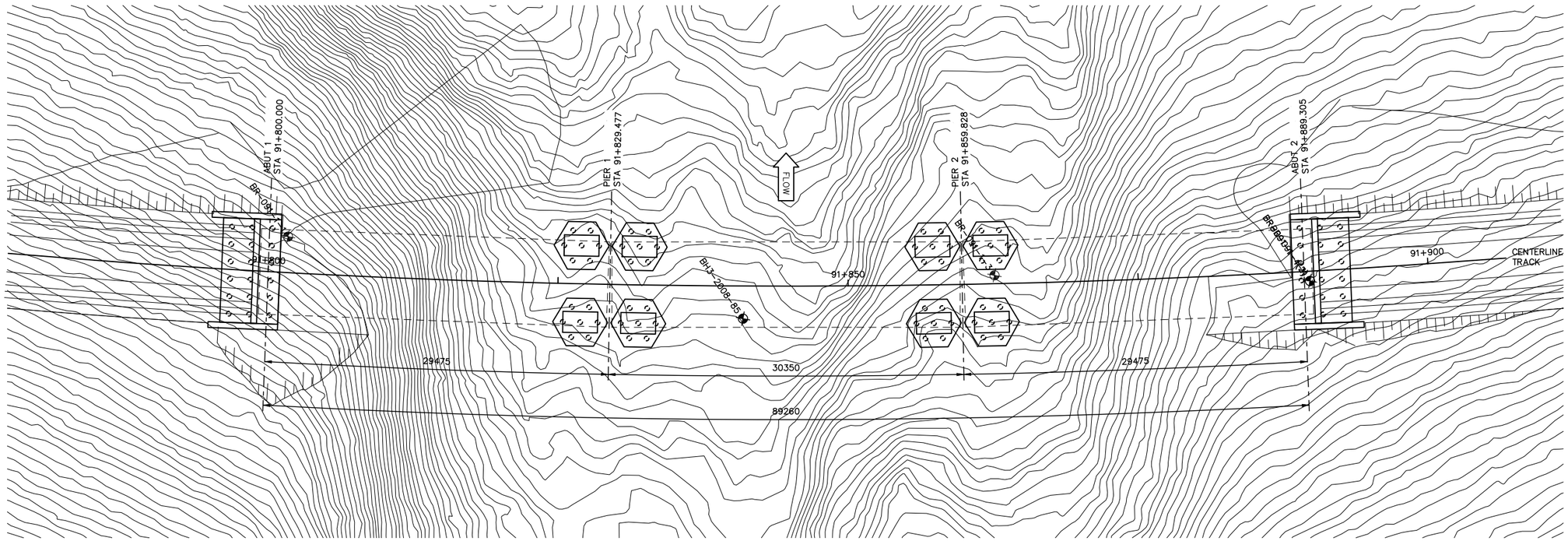
PROJECT NUMBER 1240010

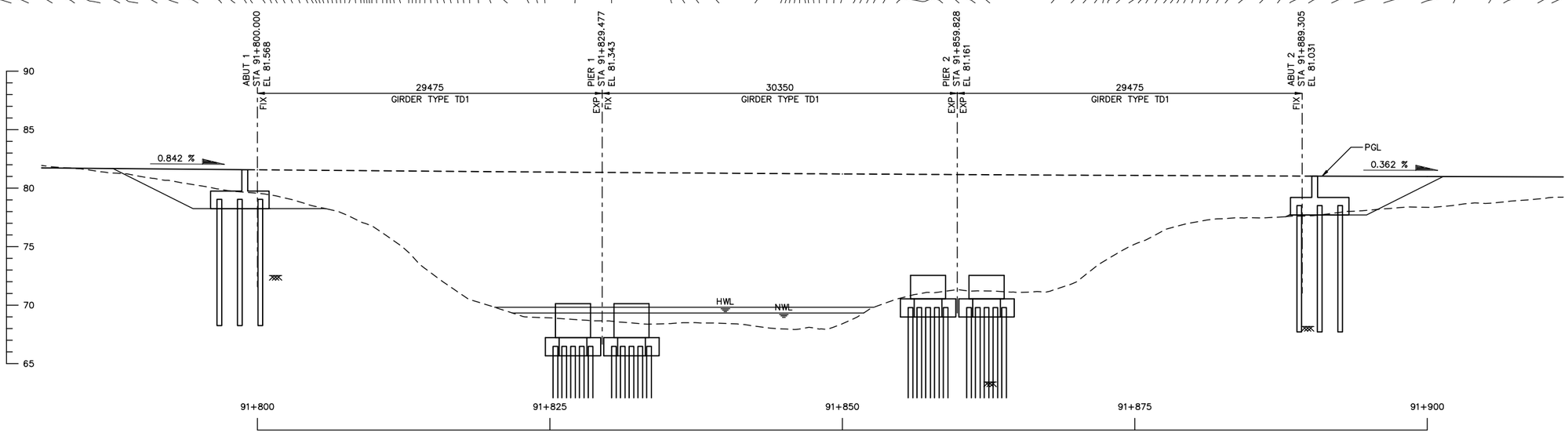
DRAWING NO. A1-159952-5200-122-6215-01

REV.

CAD FILE:

SAVED: 19/08/2011 6:52:46 PM PLOTTED: 25-Nov-11 10:58 AM USER: BARNES, RHIANA





LEGEND

- APPROXIMATE BOREHOLE LOCATION. SEE GEOTECHNICAL REPORT FOR EXACT LOCATION AND ADDITIONAL INFORMATION.
- APPROXIMATE BEDROCK ELEVATION. SEE GEOTECHNICAL REPORT FOR EXACT ELEVATION AND ADDITIONAL INFORMATION.

BOREHOLES

ALL VALUES GIVEN BELOW ARE APPROXIMATE.

BOREHOLE	STATION	OFFSET	BEDROCK ELEV'N
BH3-2008-85	91+841	3 R	61.8
BR-091-1-1	91+802	3 L	72.5
BR-091-1-3	91+863	1 L	63.4
BR-091-1-4	91+890	1 R	< 76
BR-091-1-4(2)	91+890	1 R	< 70
BR-091-1-4(3)	91+890	1 R	68.2

NOTES

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REV	DDMMMYY	REVISION	DR	CHK	APP	APP	APP	APP	ISS	DDMMMYY	APP	ISSUED FOR
1	30SEP11	ISSUED FOR ENVIRONMENTAL IMPACT STATEMENT (EIS)										
0	30SEP08	ISSUED FOR ENVIRONMENTAL IMPACT STATEMENT (EIS)										

REF	NUMBER	TITLE

STAMP/SEAL

Client Mgr. | Engineering Mgr. | Project Mgr.

PROJECT PHASE: LAND PERMIT APPLICATION

PROJECT NO. | ACTIVITY NO. | SCALE: 1:200 | PACKAGE CODE

	BY	DDMMMYY
DSN	KGW	01AUG11
DRN	RCB	01AUG11
CHK	JAS	01SEPT11
APP		

Baffinland Iron Mines Corporation

AREA 5200 | RAILWAY MAIN LINE

SUBJECT: BR-091-1 FOUNDATION LAYOUT

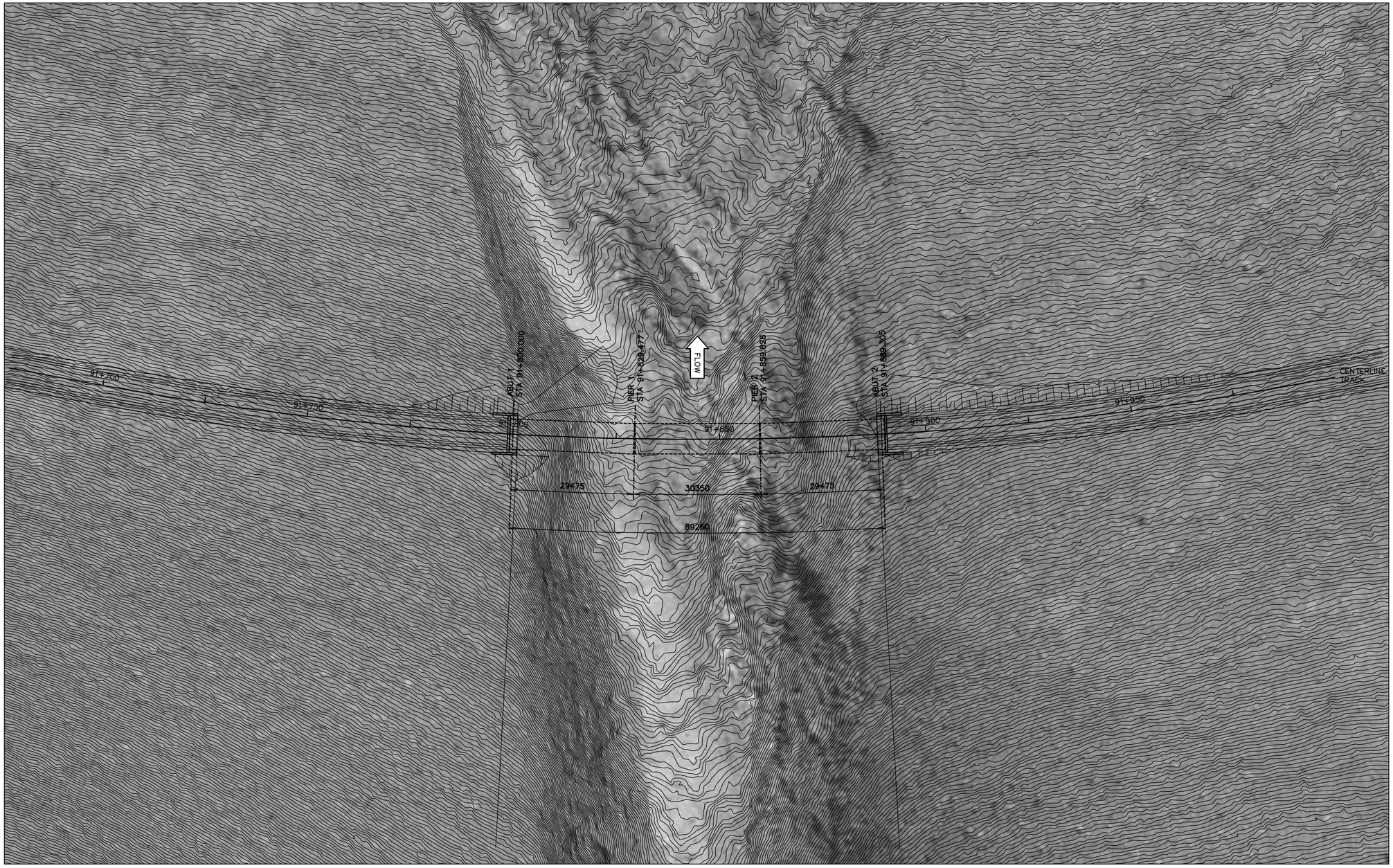
CANARAIL | DILLON CONSULTING

PROJECT NUMBER 1:200 1240020

DRAWING NO. A1-159952-5200-122-6215-02 | REV.

CAD FILE:

SAVED: 19/08/2011 6:52:46 PM PLOTTED: 25-Nov-11 10:58 AM USER: BARNES, RHIANA



NOTES

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REV	DDMMMYY	REVISION	DR	CHK	APP	APP	APP	APP
1	30SEP11	ISSUED FOR ENVIRONMENTAL IMPACT STATEMENT (EIS)						
0	30SEP08	ISSUED FOR ENVIRONMENTAL IMPACT STATEMENT (EIS)						

ISS	DDMMMYY	APP	ISSUED FOR

REF	NUMBER	TITLE

REFERENCES

STAMP/SEAL

Client Mgr. Engineering Mgr. Project Mgr.

PROJECT PHASE: LAND PERMIT APPLICATION

AREA: 5200

RAILWAY MAIN LINE

PROJECT NO. | ACTIVITY NO. | SCALE: 1:500 | PACKAGE CODE

	BY	DDMMMYY
DSN	KGW	01AUG11
DRN	RCB	01AUG11
CHK	JAS	01SEPT11
APP		

SUBJECT: BR-091-1 PHOTO MOSAIC

Baffinland Iron Mines Corporation

CANARAIL

DILLON CONSULTING

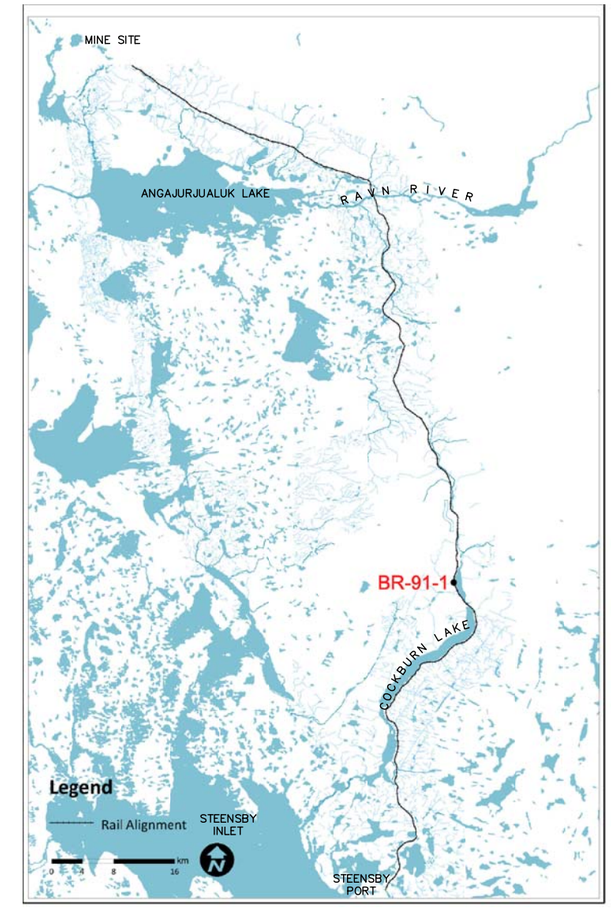
PROJECT NUMBER: 1240080

DRAWING NO.: A1-159952-5200-122-6215-03

REV.

CAD FILE:

SAVED: 19/08/2011 6:52:46 PM PLOTTED: 25-Nov-11 10:05 AM USER: MACKENZIE, STEVE



LOCATION KEY PLAN

NOTES

1. THE WATERCOURSE CROSSED BY THIS STRUCTURE IS REFERENCED AS NUMBER 160 IN THE REPORT 'FISH HABITAT ASSESSMENTS ALONG THE STEENSBY RAIL CORRIDOR' PREPARED BY KNIGHT PIESOLD CONSULTING AND DATED FEBRUARY 2008.

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0	30SEP08	ISSUED FOR ENVIRONMENTAL IMPACT STATEMENT (EIS)										

REF	NUMBER	TITLE

STAMP/SEAL

Client Mgr. Engineering Mgr. Project Mgr.

PROJECT PHASE: LAND PERMIT APPLICATION

AREA: 5200

RAILWAY MAIN LINE

PROJECT NO.	ACTIVITY NO.		BY	DDMMMYY
		DSN	KGW	01AUG11
		DRN	RCB	01AUG11
		CHK	JAS	01SEPT11
		APP		

SCALE

PACKAGE CODE

SUBJECT: BR-091-1 SITE PHOTOS

PROJECT NUMBER

DRAWING NO.: A1-159952-5200-122-6215-04

REV.

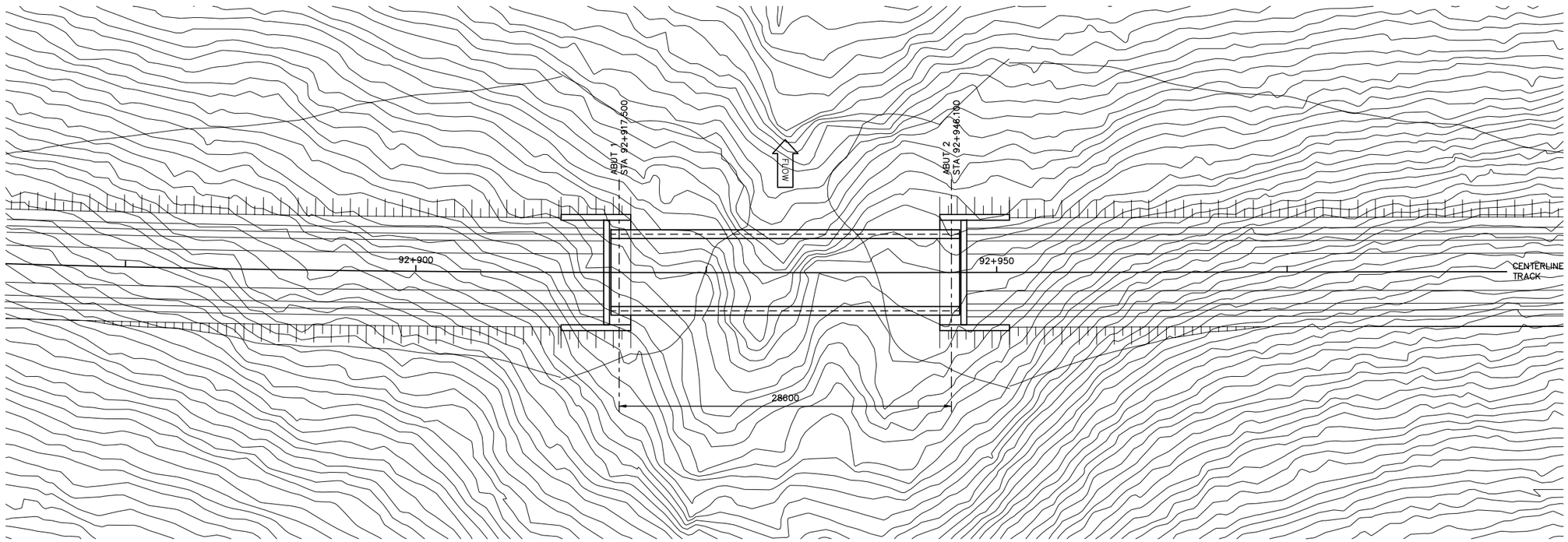
CAD FILE:

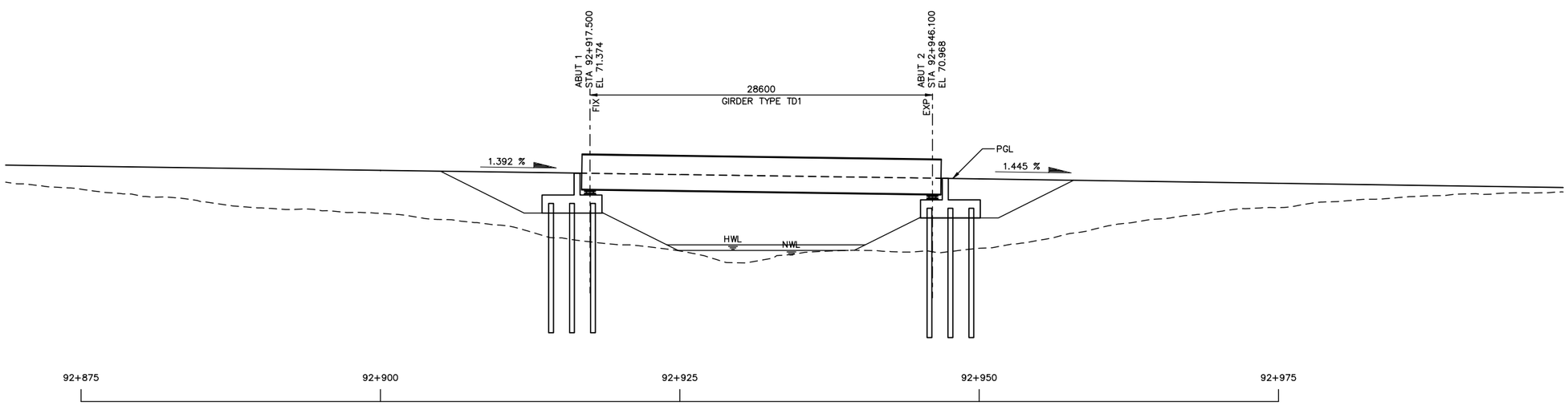
Baffinland Iron Mines Corporation

CANARAIL

DILLON CONSULTING 1240070

SAVED: 19/08/2011 6:52:46 PM PLOTTED: 25-Nov-11 10:58 AM USER: BARNES, RHIANA





NOTES

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3. THE REFERENCE POINT LOCATING THIS STRUCTURE IS AT THE INTERSECTION BETWEEN THE ALIGNMENT REFERENCE LINE AND THE LOW STATION ABUTMENT BEARING CENTERLINE.

   THIS POINT IS LOCATED AS FOLLOWS:

   STA 92+917.500

   E 606349.983 N 7842780.222 ZONE 17W

   LATITUDE 70°40'01.202" N

   LONGITUDE 78°07'14.673" W
4. ALL DIMENSIONS ARE GIVEN ALONG THE CONTROL LINE UNO. THE CONTROL LINE IS ALSO THE PROFILE GRADE LINE (PGL) AND IS LOCATED AT CENTERLINE TRACK / TOP OF SUB-BALLAST.
5. THE WATERCOURSE CROSSED BY THIS STRUCTURE IS REFERENCED AS NUMBER 161 IN THE REPORT 'FISH HABITAT ASSESSMENTS ALONG THE STEENSBY RAIL CORRIDOR' PREPARED BY KNIGHT PIESOLD CONSULTING AND DATED FEBRUARY 2008.
6. THIS CROSSING IS DEFINED AS NON-NAVIGABLE.
7. FISH HABITAT RATING IS 'NONE'.
8. HIGH WATER LEVEL (HWL) = 65.390

   HWL FREEBOARD = 4.118 METERS
9. NORMAL WATER LEVEL (NWL) = 64.930

   NWL FREEBOARD = 4.578 METERS
10. RIP-RAP PROTECTIVE ARMOURING FOR THE ABUTMENTS MAY BE REQUIRED. THE NEED FOR AND THE EXTENT OF THIS PROTECTION WILL BE ASSESSED AND ENGINEERED IN THE FIELD AFTER FILL PLACEMENT HAS BEEN COMPLETED.

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1	30SEP11	ISSUED FOR ENVIRONMENTAL IMPACT STATEMENT (EIS)										
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REF	NUMBER	TITLE

REFERENCES

STAMP/SEAL

Client Mgr. Engineering Mgr. Project Mgr.

PROJECT PHASE: LAND PERMIT APPLICATION

PROJECT NO. | ACTIVITY NO. | SCALE: 1:200 | PACKAGE CODE

	BY	DDMMMYY
DSN	KGW	01AUG11
DRN	RCB	01AUG11
CHK	JAS	01SEPT11
APP		

Baffinland Iron Mines Corporation

AREA 5200 | RAILWAY MAIN LINE

SUBJECT: BR-092-1 GENERAL PLAN AND ELEVATION

CANARAIL

PROJECT NUMBER 1:200 1280010

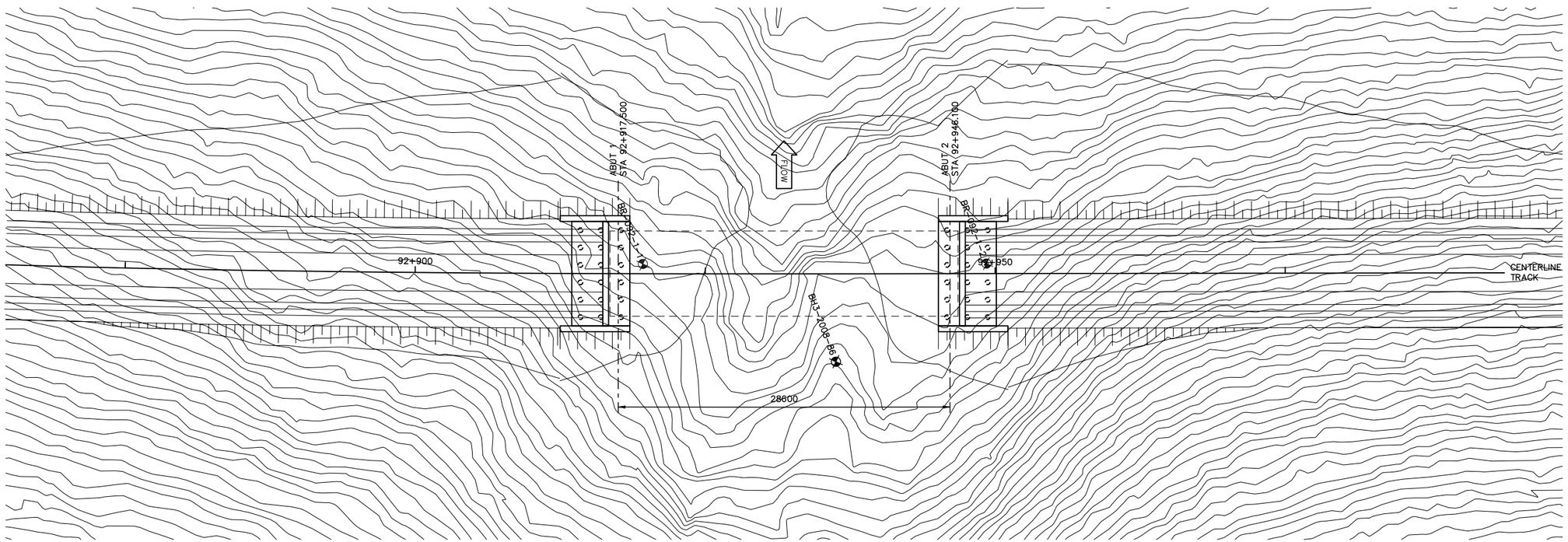
DILLON CONSULTING

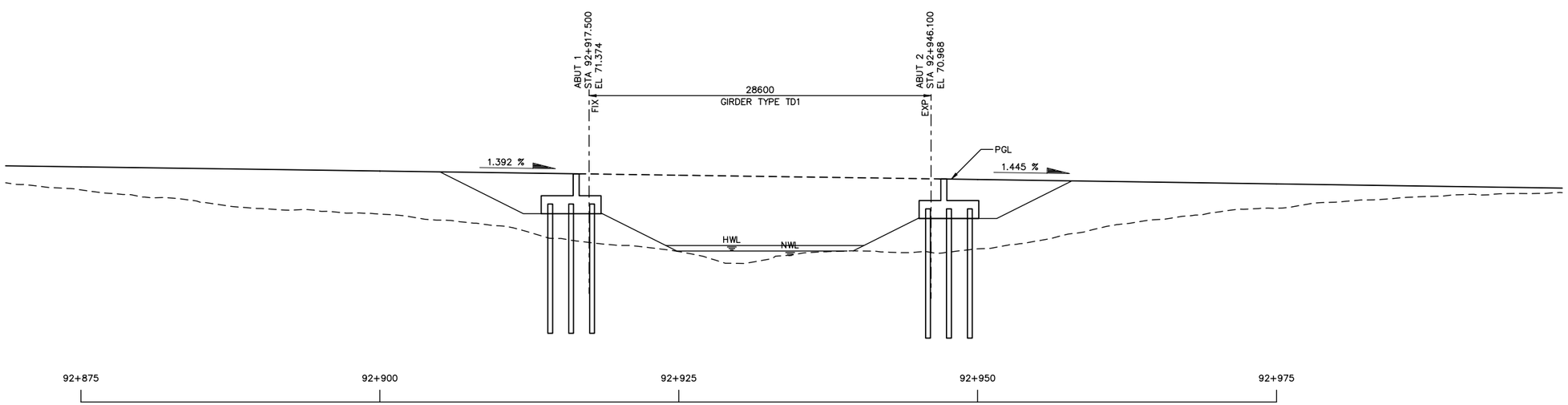
DRAWING NO. A1-159952-5200-122-6216-01

REV.

CAD FILE:

SAVED: 19/08/2011 6:52:46 PM PLOTTED: 25-Nov-11 10:59 AM USER: BARNES, RHIANA





LEGEND

- APPROXIMATE BOREHOLE LOCATION. SEE GEOTECHNICAL REPORT FOR EXACT LOCATION AND ADDITIONAL INFORMATION.
- APPROXIMATE BEDROCK ELEVATION. SEE GEOTECHNICAL REPORT FOR EXACT ELEVATION AND ADDITIONAL INFORMATION.

BOREHOLES

ALL VALUES GIVEN BELOW ARE APPROXIMATE.

BOREHOLE	STATION	OFFSET	BEDROCK ELEV'N
BH3-2008-86	92+936	8 R	50.0
BR-092-1-1	92+920	1 L	51.0
BR-092-1-2	92+949	1 L	44.7

NOTES

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1	30SEP11	ISSUED FOR ENVIRONMENTAL IMPACT STATEMENT (EIS)										
0	30SEP08	ISSUED FOR ENVIRONMENTAL IMPACT STATEMENT (EIS)										

REF	NUMBER	TITLE

REFERENCES

STAMP/SEAL

Client Mgr. Engineering Mgr. Project Mgr.

PROJECT PHASE: LAND PERMIT APPLICATION

AREA 5200

RAILWAY MAIN LINE

Baffinland Iron Mines Corporation

CANARAIL

DILLON CONSULTING

PROJECT NUMBER

1:200 1250020

PROJECT NO. | ACTIVITY NO. | SCALE 1:200 | PACKAGE CODE

	BY	DDMMMYY
DSN	KGW	01AUG11
DRN	RCB	01AUG11
CHK	JAS	01SEPT11
APP		

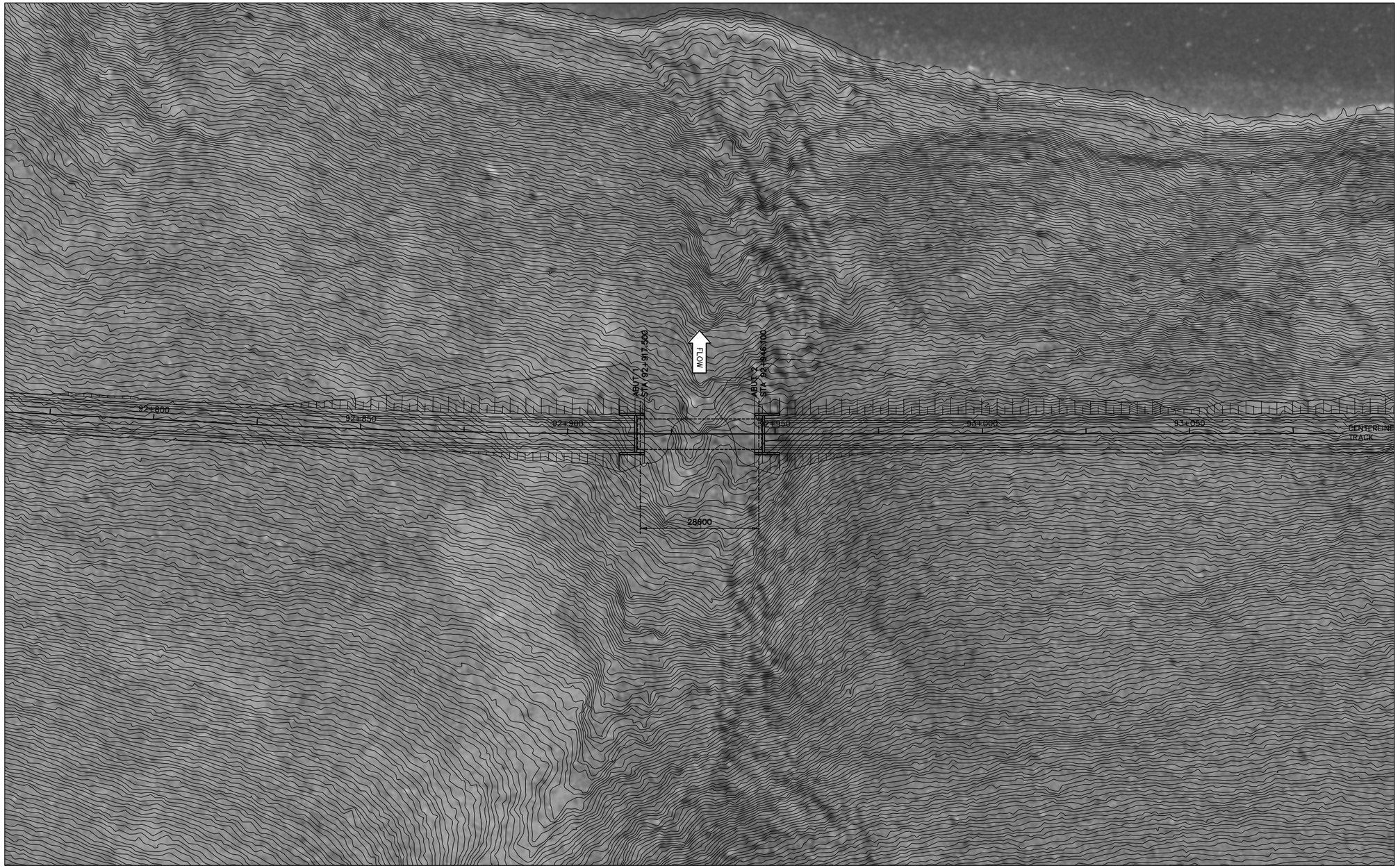
SUBJECT: BR-092-1 FOUNDATION LAYOUT

DRAWING NO. A1-159952-5200-122-6216-02

REV.

CAD FILE:

SAVED: 19/08/2011 6:52:46 PM PLOTTED: 25-Nov-11 10:59 AM USER: BARNES, RHIANA



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3. CONTOURS SHOWN ON THIS DRAWING REPRESENT EXISTING GRADE ONLY.

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REV	DDMMMYY	REVISION	DR	CHK	APP	APP	APP	APP
1	30SEP11	ISSUED FOR ENVIRONMENTAL IMPACT STATEMENT (EIS)						
0	30SEP08	ISSUED FOR ENVIRONMENTAL IMPACT STATEMENT (EIS)						

ISS	DDMMMYY	APP	ISSUED FOR

REF	NUMBER	TITLE

REFERENCES

STAMP/SEAL

Client Mgr. Engineering Mgr. Project Mgr.

PROJECT PHASE: LAND PERMIT APPLICATION

AREA: 5200

RAILWAY MAIN LINE

PROJECT NO.

ACTIVITY NO.

	BY	DDMMMYY
DSN	KGW	01AUG11
DRN	RCB	01AUG11
CHK	JAS	01SEPT11
APP		

SCALE: 1:500

PACKAGE CODE

SUBJECT: BR-092-1 PHOTO MOSAIC

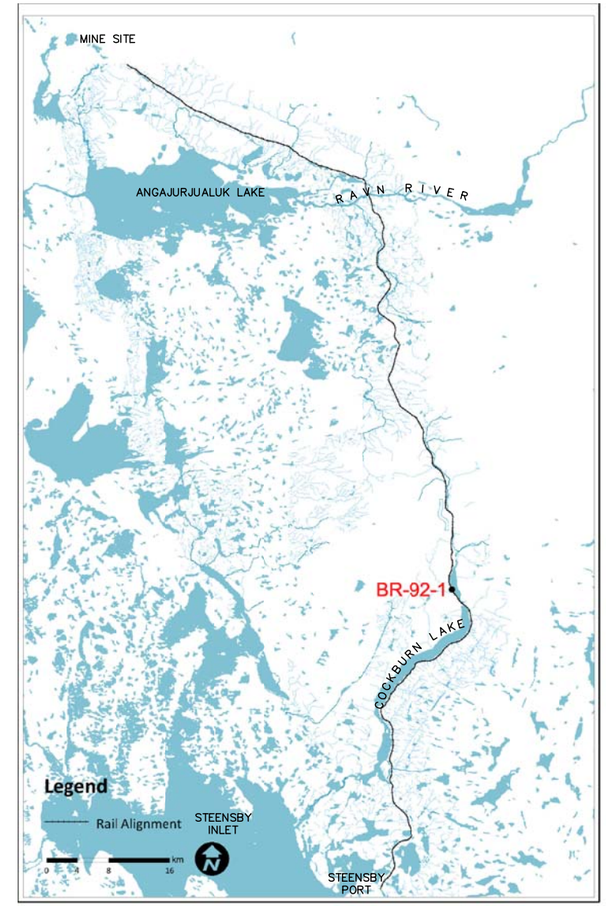
PROJECT NUMBER

DRAWING NO.: A1-159952-5200-122-6216-03

REV.

CAD FILE:

USER: MACKENZIE, STEVE PLOTTED: 25-Nov-11 10:07 AM SAVED: 19/08/2011 6:52:46 PM 6:52 PM



LOCATION KEY PLAN

NOTES

1. THE WATERCOURSE CROSSED BY THIS STRUCTURE IS REFERENCED AS NUMBER 161 IN THE REPORT 'FISH HABITAT ASSESSMENTS ALONG THE STEENSBY RAIL CORRIDOR' PREPARED BY KNIGHT PIESOLD CONSULTING AND DATED FEBRUARY 2008.

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 PURPOSE.

REV	DDMMMYY	REVISION	DR	CHK	APP	APP	APP	APP	ISS	DDMMMYY	APP	ISSUED FOR
1	30SEP11	ISSUED FOR ENVIRONMENTAL IMPACT STATEMENT (EIS)										
0	30SEP08	ISSUED FOR ENVIRONMENTAL IMPACT STATEMENT (EIS)										

REF	NUMBER	TITLE

REFERENCES

STAMP/SEAL

Client Mgr. Engineering Mgr. Project Mgr.

Baffinland Iron Mines Corporation

CANARAIL

DILLON CONSULTING 12950070

PROJECT PHASE: LAND PERMIT APPLICATION

AREA 5200: RAILWAY MAIN LINE

PROJECT NUMBER

PROJECT NO. | ACTIVITY NO. | SCALE | PACKAGE CODE

	BY	DDMMMYY
DSN	KGW	01AUG11
DRN	RCB	01AUG11
CHK	JAS	01SEPT11
APP		

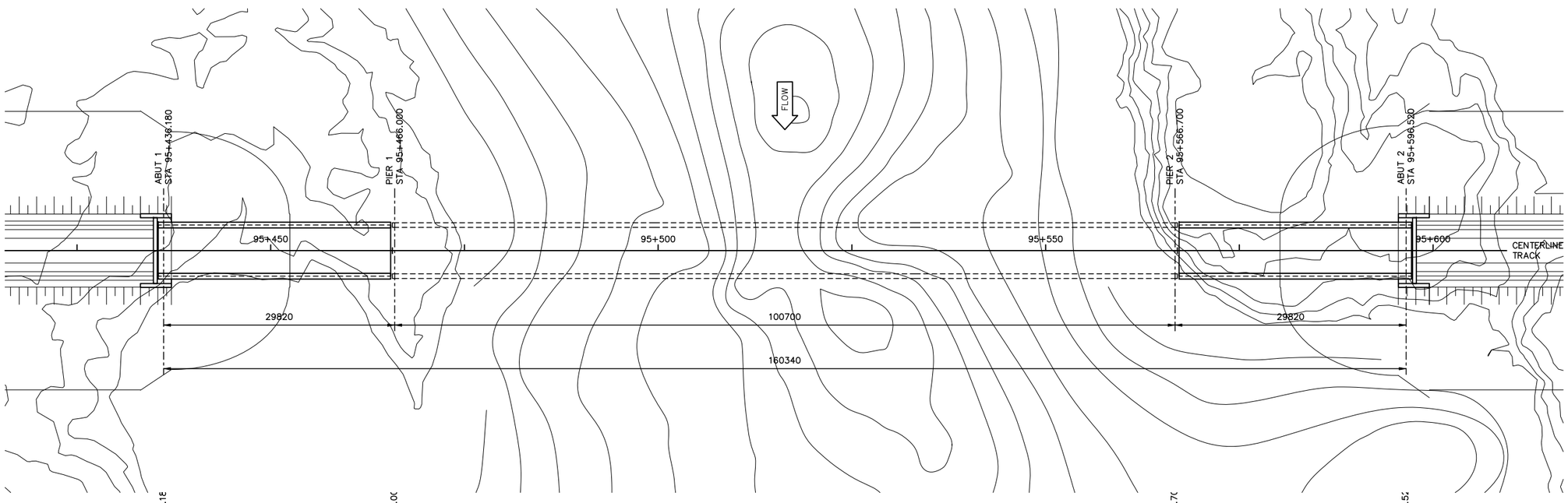
SUBJECT: BR-092-1 SITE PHOTOS

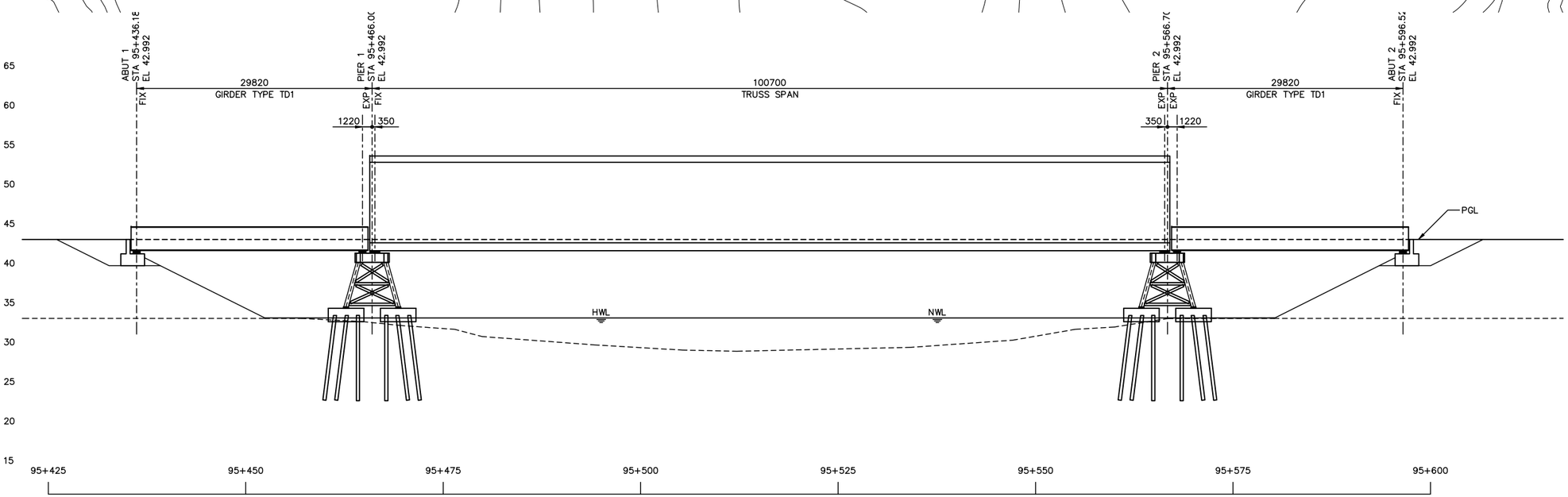
DRAWING NO.: A1-159952-5200-122-6216-04

REV.

CAD FILE:

SAVED: 19/08/2011 6:52:46 PM PLOTTED: 25-Nov-11 10:59 AM USER: BARNES, RHIANA





NOTES

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2. CONTOURS SHOWN ON THIS DRAWING REPRESENT EXISTING GRADE ONLY.
3. THE REFERENCE POINT LOCATING THIS STRUCTURE IS AT THE INTERSECTION BETWEEN THE ALIGNMENT REFERENCE LINE AND THE LOW STATION ABUTMENT BEARING CENTERLINE.

   THIS POINT IS LOCATED AS FOLLOWS:

   STA 95+436.180

   E 607884.988 N 7840845.997 ZONE 17W

   LATITUDE 70°38'56.481" N

   LONGITUDE 78°04'54.360" W
4. ALL DIMENSIONS ARE GIVEN ALONG THE CONTROL LINE UNO. THE CONTROL LINE IS ALSO THE PROFILE GRADE LINE (PGL) AND IS LOCATED AT CENTERLINE TRACK / TOP OF SUB-BALLAST.
5. THE WATERCOURSE CROSSED BY THIS STRUCTURE (COCKBURN LAKE) IS REFERENCED AS NUMBER 164 IN THE REPORT 'FISH HABITAT ASSESSMENTS ALONG THE STEENSBY RAIL CORRIDOR' PREPARED BY KNIGHT PIESOLD CONSULTING AND DATED FEBRUARY 2008.
6. THIS CROSSING IS DEFINED AS A NAVIGABLE WATERWAY.
7. FISH HABITAT RATING IS 'IMPORTANT'.
8. HIGH WATER LEVEL (HWL) = 32.310

   HWL FREEBOARD = 9.222 METERS
9. NORMAL WATER LEVEL (NWL) = 31.890

   NWL FREEBOARD = 9.642 METERS

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 PURPOSE.

REV	DDMMMYY	REVISION	DR	CHK	APP	APP	APP	APP	ISS	DDMMMYY	APP	ISSUED FOR
1	30SEP11	ISSUED FOR ENVIRONMENTAL IMPACT STATEMENT (EIS)										
0	30SEP08	ISSUED FOR ENVIRONMENTAL IMPACT STATEMENT (EIS)										

REF	NUMBER	TITLE

STAMP/SEAL

Client Mgr. | Engineering Mgr. | Project Mgr.

PROJECT PHASE: LAND PERMIT APPLICATION

AREA: 5200

RAILWAY MAIN LINE

PROJECT NO. | ACTIVITY NO.

	BY	DDMMMYY
DSN	KGW	01AUG11
DRN	RCB	01AUG11
CHK	JAS	01SEPT11
APP		

SCALE: 1:300

PACKAGE CODE

SUBJECT: BR-095-1 GENERAL PLAN AND ELEVATION

Baffinland Iron Mines Corporation

CANARAIL

DILLON CONSULTING

PROJECT NUMBER

1:300 | 1380010

DRAWING NO.: A1-159952-5200-122-6217-01

REV.

CAD FILE:

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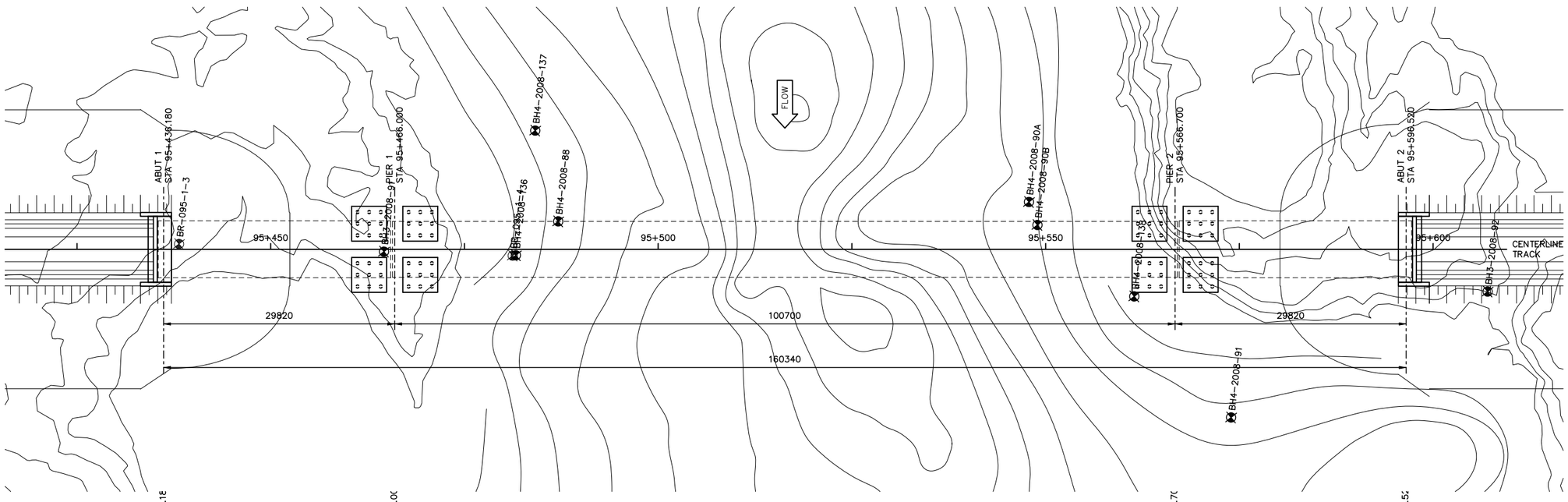

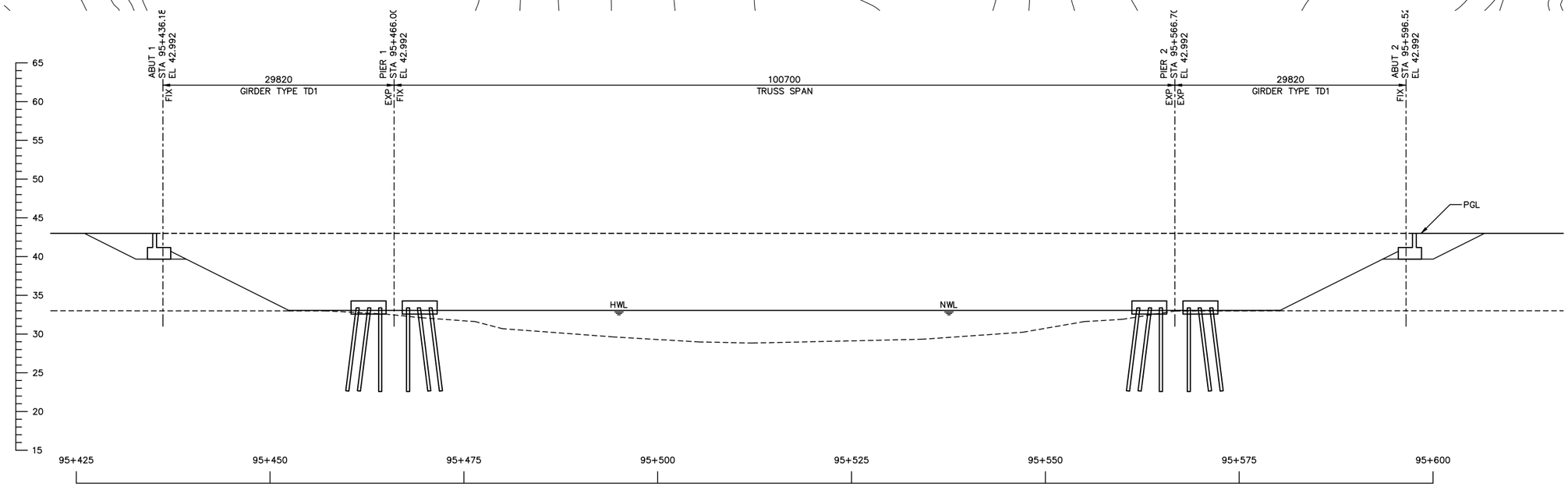

LEGEND

APPROXIMATE BOREHOLE LOCATION. SEE GEOTECHNICAL REPORT FOR EXACT LOCATION AND ADDITIONAL INFORMATION.

APPROXIMATE BEDROCK ELEVATION. SEE GEOTECHNICAL REPORT FOR EXACT ELEVATION AND ADDITIONAL INFORMATION.

BOREHOLES

ALL VALUES GIVEN BELOW ARE APPROXIMATE.

BOREHOLE	STATION	OFFSET	BEDROCK ELEV'N
BH3-2008-91	95+465	0 R	< 3
BH3-2008-92	95+607	5 R	9.1
BH4-2008-88	95+487	4 L	< 6
BH4-2008-90A	95+548	6 L	< 7
BH4-2008-90B	95+549	3 L	< 28
BH4-2008-91	95+574	22 R	< 7
BH4-2008-136	95+482	1 R	< -1
BH4-2008-137	95+484	15 L	< -2
BH4-2008-138	95+561	6 R	3.0
BR-095-1-3	95+438	1 L	< -20
BR-095-1-4	95+481	1 R	< -15

NOTES

1. STRUCTURES SHOWN ON THIS DRAWING ARE SCHEMATIC ONLY. REFER TO DETAIL SHEETS IN OTHER SECTIONS OF THE DRAWING SET FOR MORE INFORMATION.
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REV	DDMMMYY	REVISION	DR	CHK	APP	APP	APP	APP	ISS	DDMMMYY	APP	ISSUED FOR
1	30SEP11	ISSUED FOR ENVIRONMENTAL IMPACT STATEMENT (EIS)										
0	30SEP08	ISSUED FOR ENVIRONMENTAL IMPACT STATEMENT (EIS)										

REF	NUMBER	TITLE

REFERENCES

STAMP/SEAL

Client Mgr. Engineering Mgr. Project Mgr.

PROJECT PHASE: LAND PERMIT APPLICATION

AREA: 5200

RAILWAY MAIN LINE

PROJECT NO. | ACTIVITY NO. | SCALE: 1:300 | PACKAGE CODE

	BY	DDMMMYY
DSN	KGW	01AUG11
DRN	RCB	01AUG11
CHK	JAS	01SEPT11
APP		

SUBJECT: BR-095-1 FOUNDATION LAYOUT

PROJECT NUMBER

DRAWING NO.: A1-159952-5200-122-6217-02

REV.

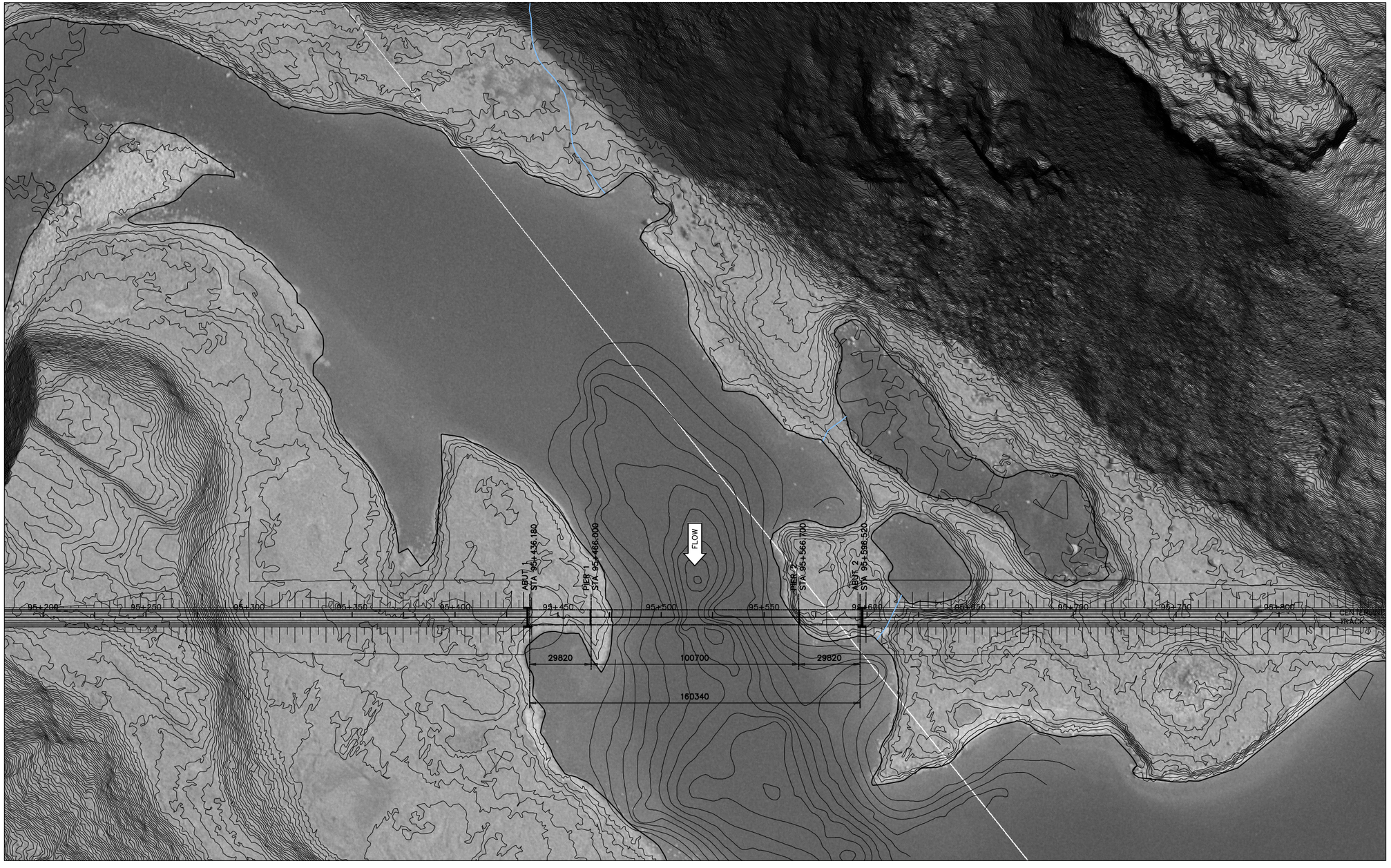
CAD FILE:

Baffinland Iron Mines Corporation

CANARAIL

DILLON CONSULTING

SAVED: 19/08/2011 6:52:46 PM PLOTTED: 25-Nov-11 10:59 AM USER: BARNES, RHIANA



NOTES

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REV	DDMMMYY	REVISION	DR	CHK	APP	APP	APP	APP
1	30SEP11	ISSUED FOR ENVIRONMENTAL IMPACT STATEMENT (EIS)						
0	30SEP08	ISSUED FOR ENVIRONMENTAL IMPACT STATEMENT (EIS)						

ISS	DDMMMYY	APP	ISSUED FOR

REF	NUMBER	TITLE

REFERENCES

STAMP/SEAL

Client Mgr. | Engineering Mgr. | Project Mgr.

PROJECT PHASE: LAND PERMIT APPLICATION

AREA 5200

RAILWAY MAIN LINE

PROJECT NO. | ACTIVITY NO. | SCALE 1:1000 | PACKAGE CODE

	BY	DDMMMYY
DSN	KGW	01AUG11
DRN	RCB	01AUG11
CHK	JAS	01SEPT11
APP		

SUBJECT: BR-095-1 PHOTO MOSAIC

DRAWING NO. A1-159952-5200-122-6217-03

REV.

PROJECT NUMBER 1280080

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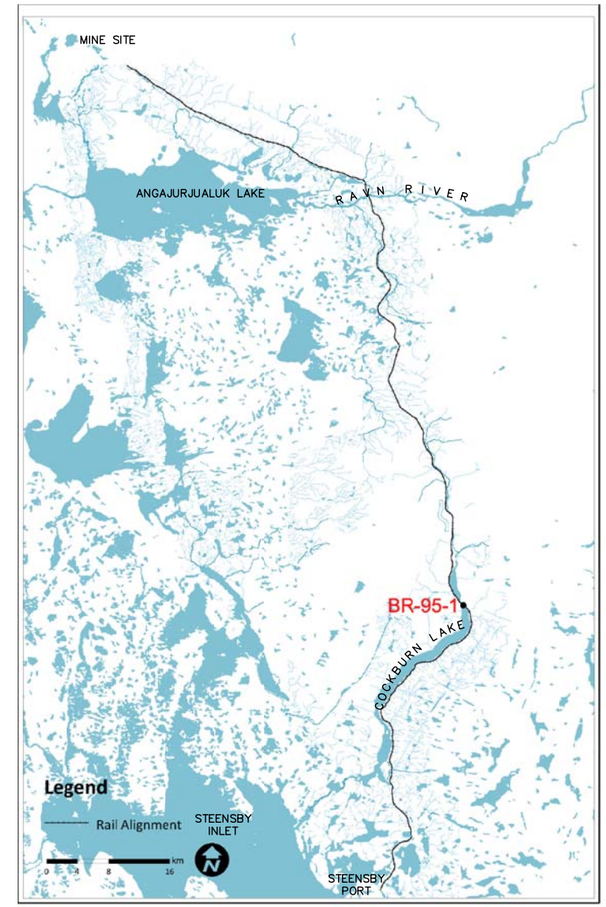


LOCATION KEY PLAN

NOTES

1. THE WATERCOURSE CROSSED BY THIS STRUCTURE (COCKBURN LAKE) IS REFERENCED AS NUMBER 164 IN THE REPORT 'FISH HABITAT ASSESSMENTS ALONG THE STEENSBY RAIL CORRIDOR' PREPARED BY KNIGHT PIESOLD CONSULTING AND DATED FEBRUARY 2008.

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 PURPOSE.

REV	DDMMMYY	REVISION	DR	CHK	APP	APP	APP	APP	ISS	DDMMMYY	APP	ISSUED FOR
1	30SEP11	ISSUED FOR ENVIRONMENTAL IMPACT STATEMENT (EIS)										
0	30SEP08	ISSUED FOR ENVIRONMENTAL IMPACT STATEMENT (EIS)										

REF	NUMBER	TITLE

REFERENCES

STAMP/SEAL

Client Mgr. Engineering Mgr. Project Mgr.

Baffinland Iron Mines Corporation

CANARAIL

DILLON CONSULTING

PROJECT PHASE: LAND PERMIT APPLICATION

AREA 5200

RAILWAY MAIN LINE

PROJECT NUMBER

PROJECT NO.	ACTIVITY NO.		BY	DDMMMYY
		DSN	KGW	01AUG11
		DRN	RCB	01AUG11
		CHK	JAS	01SEPT11
		APP		

SCALE

PACKAGE CODE

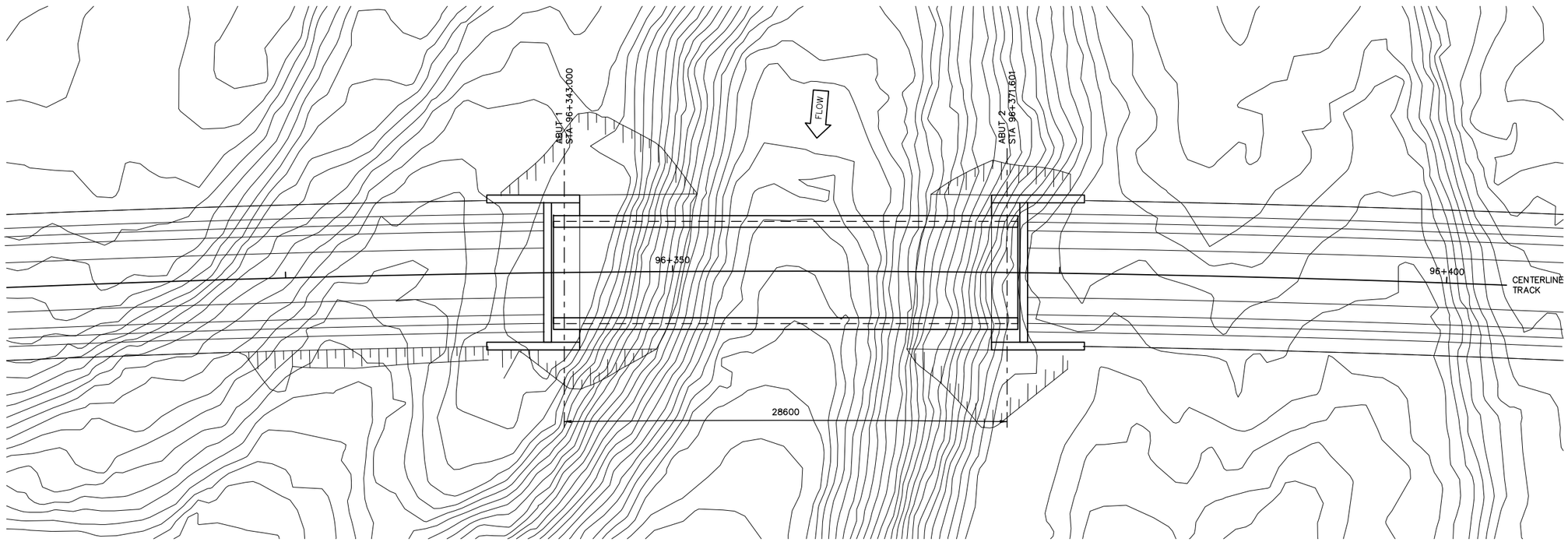
SUBJECT: BR-095-1 SITE PHOTOS

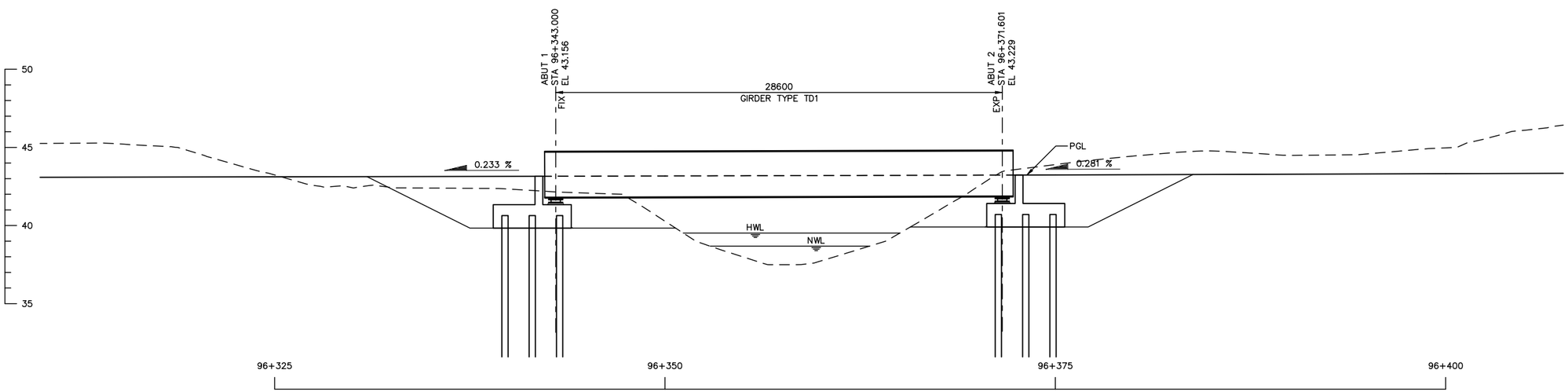
DRAWING NO. A1-159952-5200-122-6217-04

REV.

CAD FILE:

SAVED: 19/08/2011 6:52:46 PM PLOTTED: 25-Nov-11 10:59 AM USER: BARNES, RHIANA





NOTES

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3. THE REFERENCE POINT LOCATING THIS STRUCTURE IS AT THE INTERSECTION BETWEEN THE ALIGNMENT REFERENCE LINE AND THE LOW STATION ABUTMENT BEARING CENTERLINE.

   THIS POINT IS LOCATED AS FOLLOWS:

   STA 96+343.000

   E 608537.007 N 7840224.533 ZONE 17W

   LATITUDE 70°38'35.433" N

   LONGITUDE 78°03'53.895" W
4. ALL DIMENSIONS ARE GIVEN ALONG THE CONTROL LINE UNO. THE CONTROL LINE IS ALSO THE PROFILE GRADE LINE (PGL) AND IS LOCATED AT CENTERLINE TRACK / TOP OF SUB-BALLAST.
5. THE WATERCOURSE CROSSED BY THIS STRUCTURE IS REFERENCED AS NUMBER 165 IN THE REPORT 'FISH HABITAT ASSESSMENTS ALONG THE STEENSBY RAIL CORRIDOR' PREPARED BY KNIGHT PIESOLD CONSULTING AND DATED FEBRUARY 2008.
6. THIS CROSSING IS DEFINED AS NON-NAVIGABLE.
7. FISH HABITAT RATING IS 'IMPORTANT'.
8. HIGH WATER LEVEL (HWL) = 39.520

   HWL FREEBOARD = 2.176 METERS
9. NORMAL WATER LEVEL (NWL) = 38.680

   NWL FREEBOARD = 3.016 METERS

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 PURPOSE.

REV	DDMMMYY	REVISION	DR	CHK	APP	APP	APP	APP	ISS	DDMMMYY	APP	ISSUED FOR
1	30SEP11	ISSUED FOR ENVIRONMENTAL IMPACT STATEMENT (EIS)										
0	30SEP08	ISSUED FOR ENVIRONMENTAL IMPACT STATEMENT (EIS)										

REF	NUMBER	TITLE

REFERENCES

STAMP/SEAL

Client Mgr. | Engineering Mgr. | Project Mgr.

PROJECT PHASE: LAND PERMIT APPLICATION

AREA: 5200

RAILWAY MAIN LINE

PROJECT NO. | ACTIVITY NO. | SCALE: 1:150 | PACKAGE CODE

	BY	DDMMMYY
DSN	KGW	01AUG11
DRN	RCB	01AUG11
CHK	JAS	01SEPT11
APP		

SUBJECT: BR-096-1 GENERAL PLAN AND ELEVATION

Baffinland Iron Mines Corporation

CANARAIL

DILLON CONSULTING

PROJECT NUMBER 1270010

DRAWING NO. A1-159952-5200-122-6218-01

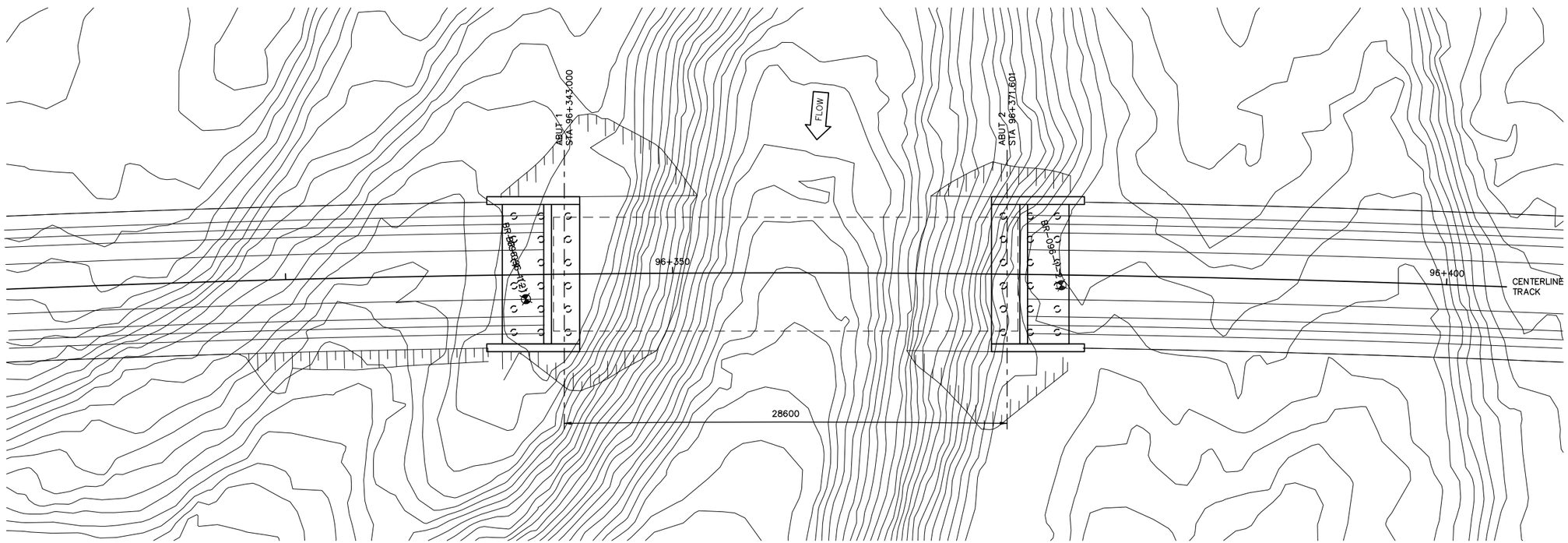
REV.

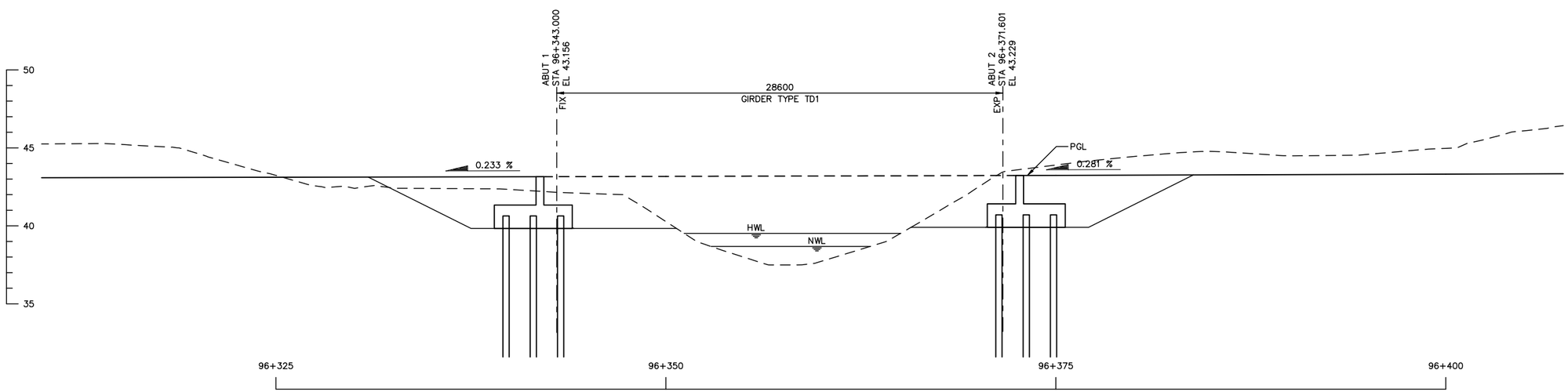
CAD FILE:

USER: BARNES, RHIANA

PLOTTED: 25-Nov-11 10:59 AM

SAVED: 19/08/2011 6:52:46 PM





LEGEND

APPROXIMATE BOREHOLE LOCATION. SEE GEOTECHNICAL REPORT FOR EXACT LOCATION AND ADDITIONAL INFORMATION.

APPROXIMATE BEDROCK ELEVATION. SEE GEOTECHNICAL REPORT FOR EXACT ELEVATION AND ADDITIONAL INFORMATION.

BOREHOLES

ALL VALUES GIVEN BELOW ARE APPROXIMATE.

BOREHOLE	STATION	OFFSET	BEDROCK ELEV'N
BR-096-1-1	96+341	2 R	< 12
BR-096-1-1(2)	96+341	2 R	< -8
BR-096-1-2	96+375	1 R	10.8

NOTES

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REV	DDMMMYY	REVISION	DR	CHK	APP	APP	APP	APP	ISS	DDMMMYY	APP	ISSUED FOR
1	30SEP11	ISSUED FOR ENVIRONMENTAL IMPACT STATEMENT (EIS)										
0	30SEP08	ISSUED FOR ENVIRONMENTAL IMPACT STATEMENT (EIS)										

REF	NUMBER	TITLE

REFERENCES

STAMP/SEAL

Client Mgr. Engineering Mgr. Project Mgr.

PROJECT PHASE: LAND PERMIT APPLICATION

AREA 5200

RAILWAY MAIN LINE

Baffinland Iron Mines Corporation

CANARAIL

DILLON CONSULTING

PROJECT NUMBER 1270020

1:150

PROJECT NO. | ACTIVITY NO. | SCALE 1:150 | PACKAGE CODE

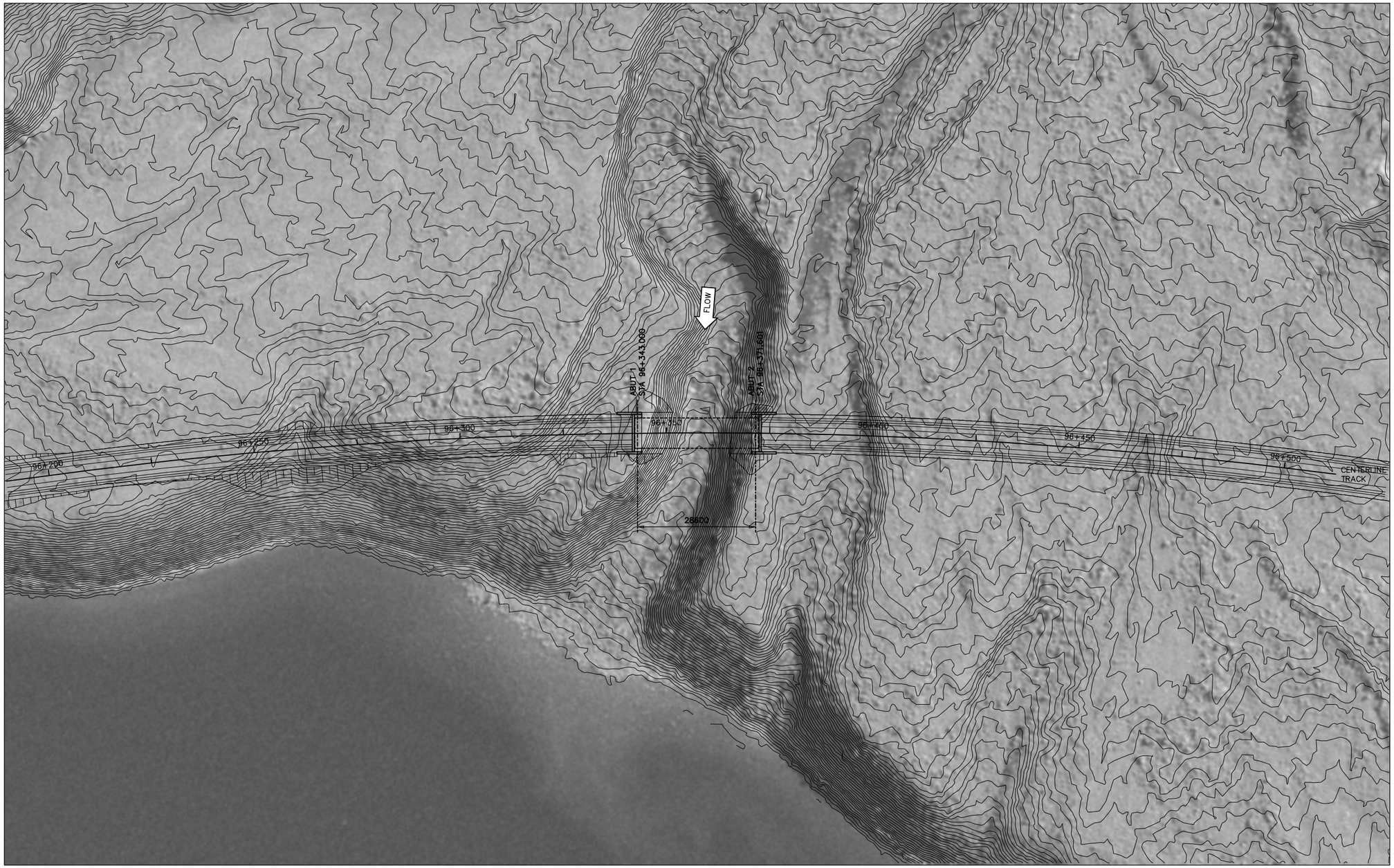
	BY	DDMMMYY
DSN	KGW	01AUG11
DRN	RCB	01AUG11
CHK	JAS	01SEPT11
APP		

SUBJECT: BR-096-1 FOUNDATION LAYOUT

DRAWING NO. A1-159952-5200-122-6218-02

REV.

CAD FILE:



NOTES

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REV	DDMMMYY	REVISION	DR	CHK	APP	APP	APP	APP
1	30SEP11	ISSUED FOR ENVIRONMENTAL IMPACT STATEMENT (EIS)						
0	30SEP08	ISSUED FOR ENVIRONMENTAL IMPACT STATEMENT (EIS)						

ISS	DDMMMYY	APP	ISSUED FOR

REF	NUMBER	TITLE

REFERENCES

STAMP/SEAL

Client Mgr. Engineering Mgr. Project Mgr.

PROJECT PHASE: LAND PERMIT APPLICATION

PROJECT NO. | ACTIVITY NO. | SCALE: 1:500 | PACKAGE CODE

	BY	DDMMMYY
DSN	KGW	01AUG11
DRN	RCB	01AUG11
CHK	JAS	01SEPT11
APP		

Baffinland Iron Mines Corporation

AREA 5200 — RAILWAY MAIN LINE

SUBJECT: BR-096-1 PHOTO MOSAIC

CANARAIL — PROJECT NUMBER — 1:500 — 1270080

DILLON CONSULTING

DRAWING NO.: A1-159952-5200-122-6218-03

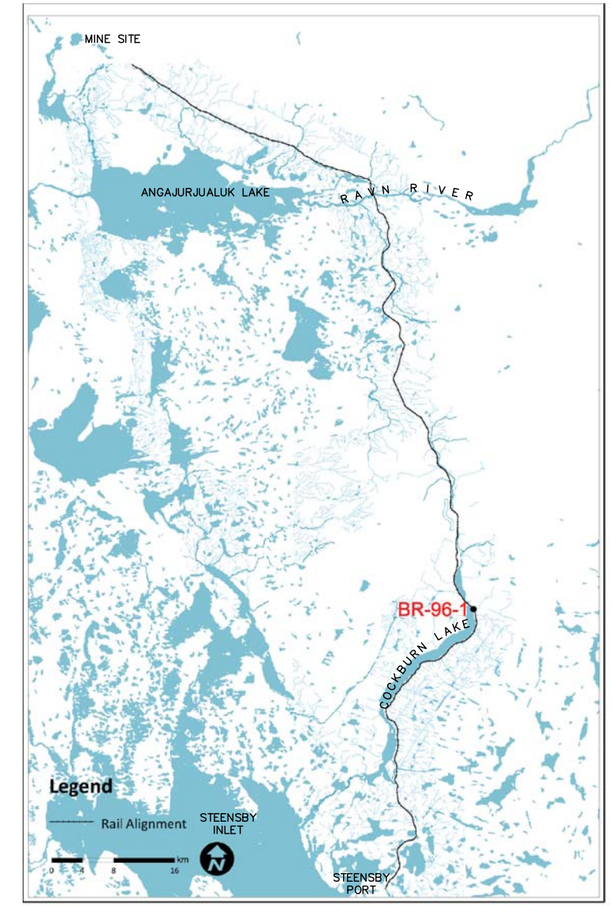
REV.

CAD FILE:

USER: MACKENZIE, STEVE

PLOTTED: 25-Nov-11 10:49 AM

SAVED: 19/08/2011 6:52:46 PM 6:52 PM



LOCATION KEY PLAN

NOTES

1. THE WATERCOURSE CROSSED BY THIS STRUCTURE IS REFERENCED AS NUMBER 165 IN THE REPORT 'FISH HABITAT ASSESSMENTS ALONG THE STEENSBY RAIL CORRIDOR' PREPARED BY KNIGHT PIESOLD CONSULTING AND DATED FEBRUARY 2008.

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REV	DDMMMYY	REVISION	DR	CHK	APP	APP	APP	APP	ISS	DDMMMYY	APP	ISSUED FOR
1	30SEP11	ISSUED FOR ENVIRONMENTAL IMPACT STATEMENT (EIS)										
0	30SEP08	ISSUED FOR ENVIRONMENTAL IMPACT STATEMENT (EIS)										

REF	NUMBER	TITLE

REFERENCES

STAMP/SEAL

Client Mgr. Engineering Mgr. Project Mgr.

PROJECT PHASE: LAND PERMIT APPLICATION

AREA 5200

Baffinland Iron Mines Corporation

RAILWAY MAIN LINE

CANARAIL

DILLON CONSULTING

PROJECT NUMBER 1270070

PROJECT NO.	ACTIVITY NO.		BY	DDMMMYY
		DSN	KGW	01AUG11
		DRN	RCB	01AUG11
SCALE	PACKAGE CODE	CHK	JAS	01SEPT11
		APP		

SUBJECT: BR-096-1 SITE PHOTOS

DRAWING NO. A1-159952-5200-122-6218-04

REV.

CAD FILE:

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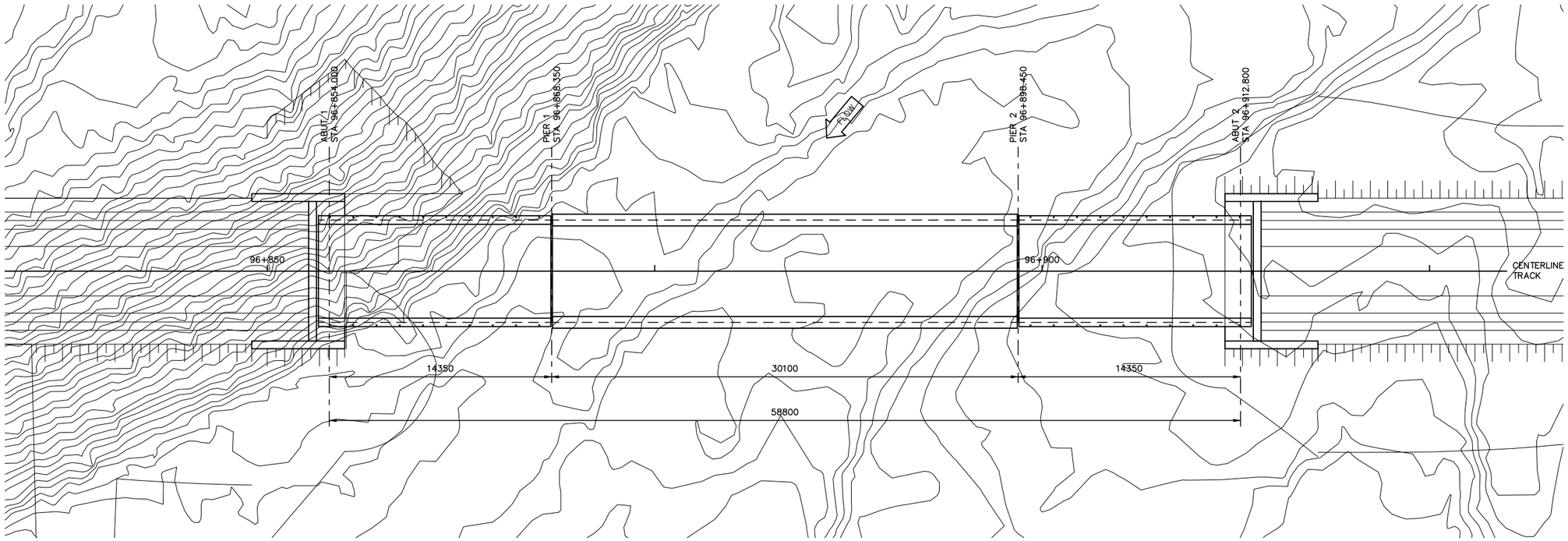
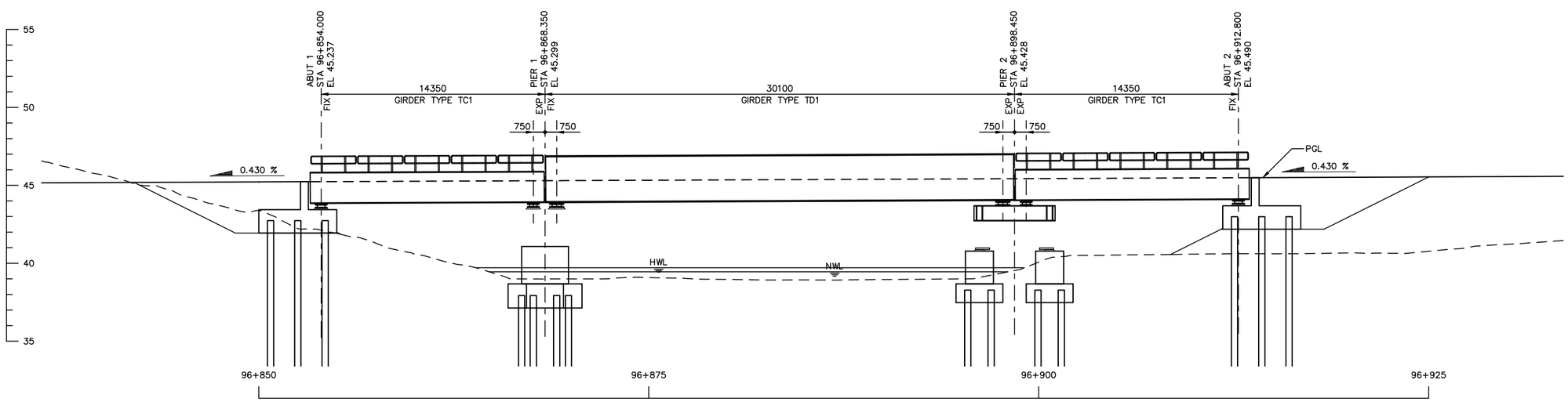




NOTES

1. STRUCTURES SHOWN ON THIS DRAWING ARE SCHEMATIC ONLY. REFER TO DETAIL SHEETS IN OTHER SECTIONS OF THE DRAWING SET FOR MORE INFORMATION.
2. CONTOURS SHOWN ON THIS DRAWING REPRESENT EXISTING GRADE ONLY.
3. THE REFERENCE POINT LOCATING THIS STRUCTURE IS AT THE INTERSECTION BETWEEN THE ALIGNMENT REFERENCE LINE AND THE LOW STATION ABUTMENT BEARING CENTERLINE.

   THIS POINT IS LOCATED AS FOLLOWS:

   STA 96+854.000

   E 608700.933 N 7839743.916 ZONE 17W

   LATITUDE 70°38'19.683" N

   LONGITUDE 78°03'40.226" W
4. ALL DIMENSIONS ARE GIVEN ALONG THE CONTROL LINE UNO. THE CONTROL LINE IS ALSO THE PROFILE GRADE LINE (PGL) AND IS LOCATED AT CENTERLINE TRACK / TOP OF SUB-BALLAST.
5. THE WATERCOURSE CROSSED BY THIS STRUCTURE IS REFERENCED AS NUMBER 166 IN THE REPORT 'FISH HABITAT ASSESSMENTS ALONG THE STEENSBY RAIL CORRIDOR' PREPARED BY KNIGHT PIESOLD CONSULTING AND DATED FEBRUARY 2008.
6. THIS CROSSING IS DEFINED AS NON-NAVIGABLE.
7. FISH HABITAT RATING IS 'IMPORTANT'.
8. HIGH WATER LEVEL (HWL) = 39.710

   HWL FREEBOARD = 4.087 METERS
9. NORMAL WATER LEVEL (NWL) = 39.450

   NWL FREEBOARD = 4.347 METERS
10. RIP-RAP PROTECTIVE ARMOURING FOR THE ABUTMENTS MAY BE REQUIRED. THE NEED FOR AND THE EXTENT OF THIS PROTECTION WILL BE ASSESSED AND ENGINEERED IN THE FIELD AFTER FILL PLACEMENT HAS BEEN COMPLETED.

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 PURPOSE.

REV	DDMMMYY	REVISION	DR	CHK	APP	APP	APP	APP	ISS	DDMMMYY	APP	ISSUED FOR
1	30SEP11	ISSUED FOR ENVIRONMENTAL IMPACT STATEMENT (EIS)										
0	30SEP08	ISSUED FOR ENVIRONMENTAL IMPACT STATEMENT (EIS)										

REF	NUMBER	TITLE

REFERENCES

STAMP/SEAL

Client Mgr. Engineering Mgr. Project Mgr.

PROJECT PHASE: LAND PERMIT APPLICATION

PROJECT NO. | ACTIVITY NO. | SCALE: 1:150 | PACKAGE CODE

	BY	DDMMMYY
DSN	KGW	01AUG11
DRN	RCB	01AUG11
CHK	JAS	01SEPT11
APP		

Baffinland Iron Mines Corporation

AREA 5200 — RAILWAY MAIN LINE

SUBJECT: BR-096-2 GENERAL PLAN AND ELEVATION

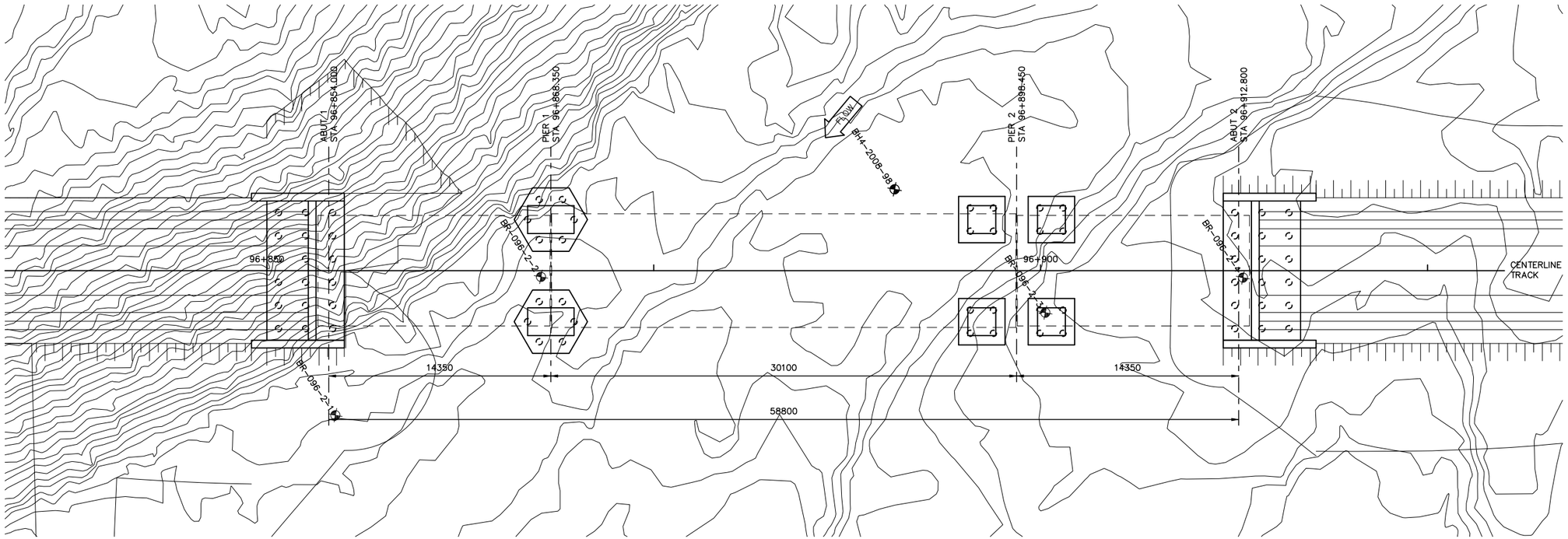
CANARAIL — DILLON CONSULTING

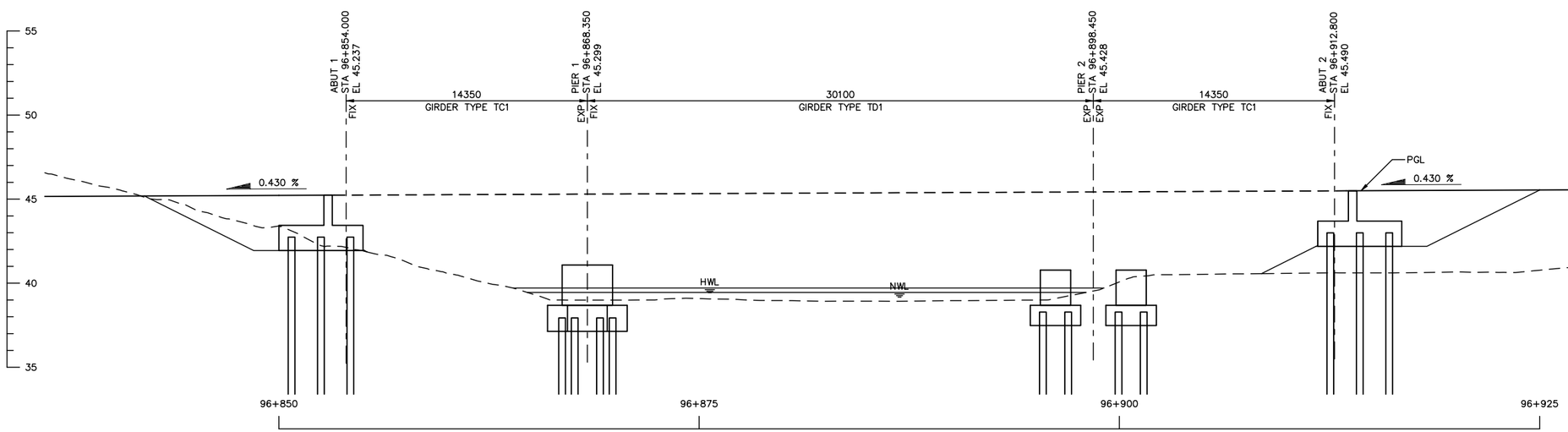
PROJECT NUMBER 1280010

DRAWING NO. A1-159952-5200-122-6219-01 — REV.

CAD FILE:

USER: BARNES, RHIANA — PLOTTED: 25-Nov-11 11:00 AM — SAVED: 19/08/2011 6:52:46 PM





LEGEND

- APPROXIMATE BOREHOLE LOCATION. SEE GEOTECHNICAL REPORT FOR EXACT LOCATION AND ADDITIONAL INFORMATION.
- APPROXIMATE BEDROCK ELEVATION. SEE GEOTECHNICAL REPORT FOR EXACT ELEVATION AND ADDITIONAL INFORMATION.

BOREHOLES

ALL VALUES GIVEN BELOW ARE APPROXIMATE.

BOREHOLE	STATION	OFFSET	BEDROCK ELEV'N
BH4-2008-98	96+891	5 L	25.5
BR-096-2-1	96+854	9 R	23.1
BR-096-2-2	96+868	0 R	28.5
BR-096-2-3	96+900	3 R	28.1
BR-096-2-4	96+913	0 R	28.8

NOTES

1. STRUCTURES SHOWN ON THIS DRAWING ARE SCHEMATIC ONLY. REFER TO DETAIL SHEETS IN OTHER SECTIONS OF THE DRAWING SET FOR MORE INFORMATION.
2. CONTOURS SHOWN ON THIS DRAWING REPRESENT EXISTING GRADE ONLY.

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REV	DDMMMYY	REVISION	DR	CHK	APP	APP	APP	APP	ISS	DDMMMYY	APP	ISSUED FOR
1	30SEP11	ISSUED FOR ENVIRONMENTAL IMPACT STATEMENT (EIS)										
0	30SEP08	ISSUED FOR ENVIRONMENTAL IMPACT STATEMENT (EIS)										

REF	NUMBER	TITLE

STAMP/SEAL

Client Mgr. Engineering Mgr. Project Mgr.

PROJECT PHASE: LAND PERMIT APPLICATION

AREA 5200

RAILWAY MAIN LINE

Baffinland Iron Mines Corporation

CANARIL

DILLON CONSULTING

PROJECT NUMBER 1280020

PROJECT NO.	ACTIVITY NO.		BY	DDMMMYY
		DSN	KGW	01AUG11
		DRN	RCB	01AUG11
		CHK	JAS	01SEPT11
		APP		

SCALE 1:150

PACKAGE CODE

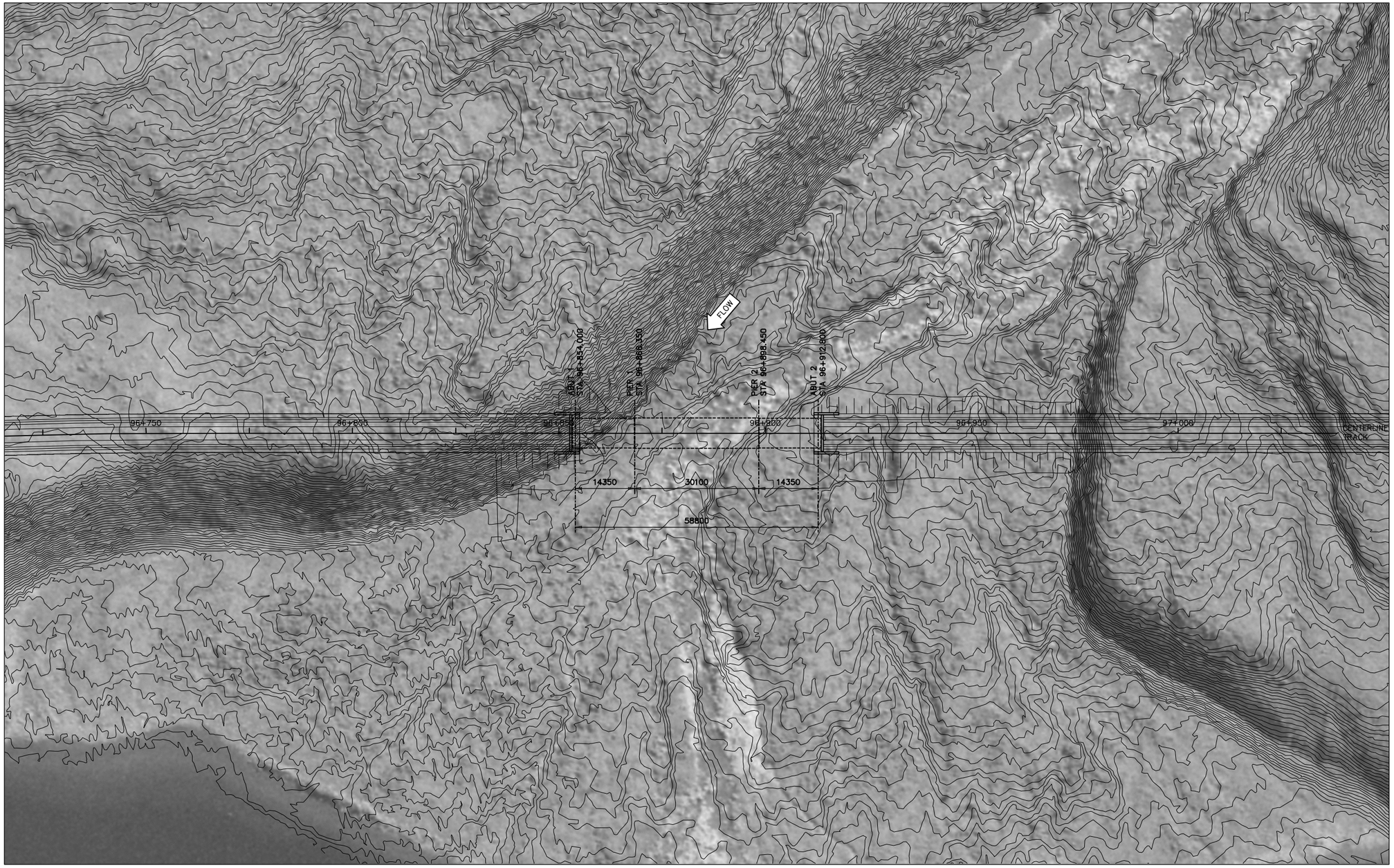
SUBJECT: BR-096-2 FOUNDATION LAYOUT

DRAWING NO. A1-159952-5200-122-6219-02

REV.

CAD FILE:

SAVED: 19/08/2011 6:52:46 PM PLOTTED: 25-Nov-11 11:18 AM USER: BARNES, RHIANA



NOTES

1. THIS PHOTO MOSAIC IS PROVIDED FOR GENERAL INFORMATION ONLY AND MAY NOT REFLECT THE CURRENT CONDITION OF THE SITE.
2. STRUCTURES SHOWN ON THIS DRAWING ARE SCHEMATIC ONLY. REFER TO DETAIL SHEETS IN OTHER SECTIONS OF THE DRAWING SET FOR MORE INFORMATION.
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REV	DDMMMYY	REVISION	DR	CHK	APP	APP	APP	APP
1	30SEP11	ISSUED FOR ENVIRONMENTAL IMPACT STATEMENT (EIS)						
0	30SEP08	ISSUED FOR ENVIRONMENTAL IMPACT STATEMENT (EIS)						

ISS	DDMMMYY	APP	ISSUED FOR

REF	NUMBER	TITLE

STAMP/SEAL

Client Mgr. Engineering Mgr. Project Mgr.

PROJECT PHASE: LAND PERMIT APPLICATION

PROJECT NO. | ACTIVITY NO. | SCALE: 1:500 | PACKAGE CODE

	BY	DDMMMYY
DSN	KGW	01AUG11
DRN	RCB	01AUG11
CHK	JAS	01SEPT11
APP		

Baffinland Iron Mines Corporation

AREA 5200

RAILWAY MAIN LINE

SUBJECT: BR-096-2 PHOTO MOSAIC

CANARAIL

PROJECT NUMBER

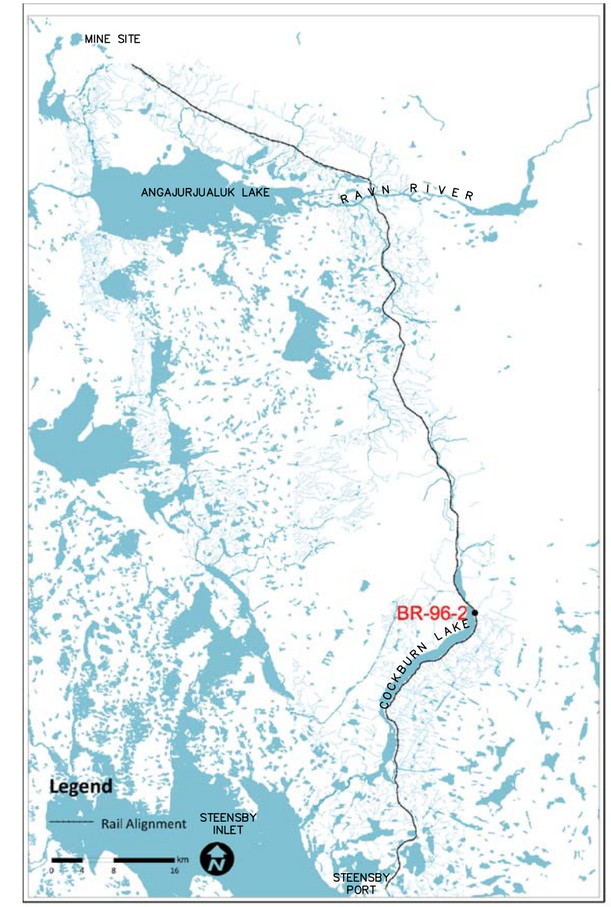
DILLON CONSULTING

DRAWING NO. A1-159952-5200-122-6219-03

REV.

CAD FILE:

SAVED: 19/08/2011 6:52:46 PM 6:52 PM PLOTTED: 25-Nov-11 10:49 AM USER: MACKENZIE, STEVE



LOCATION KEY PLAN

NOTES

1. THE WATERCOURSE CROSSED BY THIS STRUCTURE IS REFERENCED AS NUMBER 166 IN THE REPORT "FISH HABITAT ASSESSMENTS ALONG THE STEENSBY RAIL CORRIDOR" PREPARED BY KNIGHT PIESOLD CONSULTING AND DATED FEBRUARY 2008.

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 PURPOSE.

REV	DDMMMYY	REVISION	DR	CHK	APP	APP	APP	APP	ISS	DDMMMYY	APP	ISSUED FOR
1	30SEP11	ISSUED FOR ENVIRONMENTAL IMPACT STATEMENT (EIS)										
0	30SEP08	ISSUED FOR ENVIRONMENTAL IMPACT STATEMENT (EIS)										

REF	NUMBER	TITLE

STAMP/SEAL

Client Mgr. | Engineering Mgr. | Project Mgr.

PROJECT PHASE: LAND PERMIT APPLICATION

AREA 5200

RAILWAY MAIN LINE

PROJECT NO. | ACTIVITY NO. | SCALE | PACKAGE CODE

	BY	DDMMMYY
DSN	KGW	01AUG11
DRN	RCB	01AUG11
CHK	JAS	01SEPT11
APP		

SUBJECT: BR-096-2 SITE PHOTOS

DRAWING NO. A1-159952-5200-122-6219-04

REV.

PROJECT NUMBER

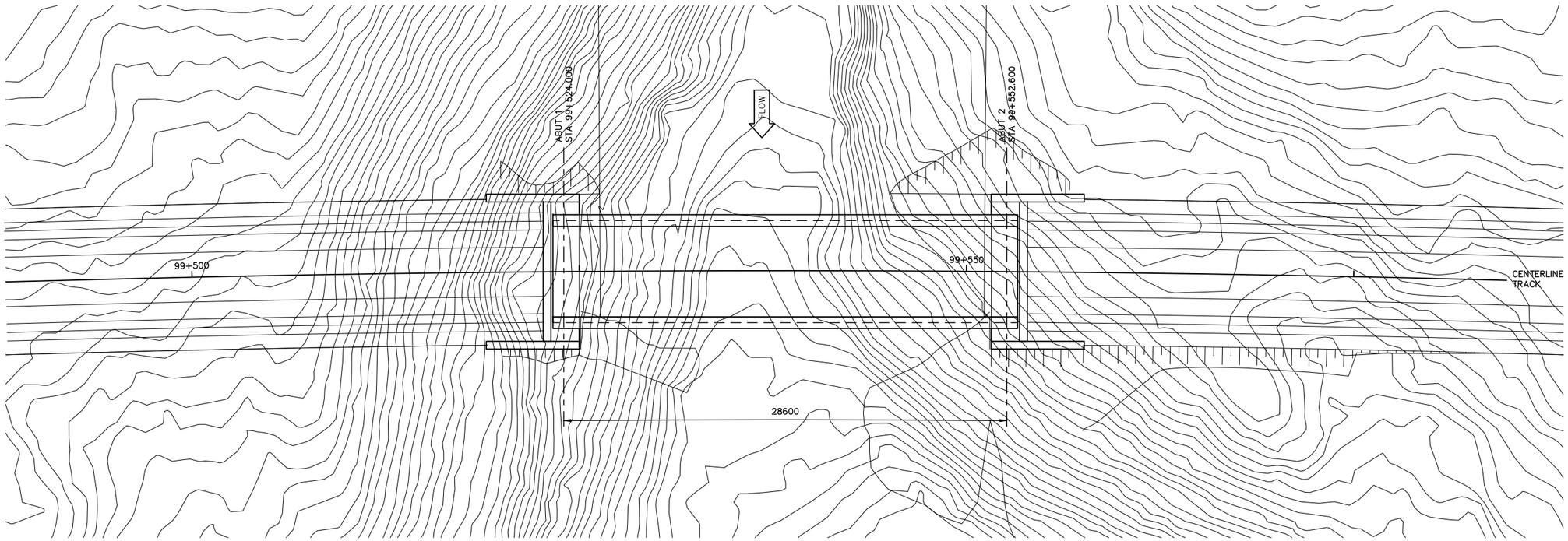
Baffinland Iron Mines Corporation

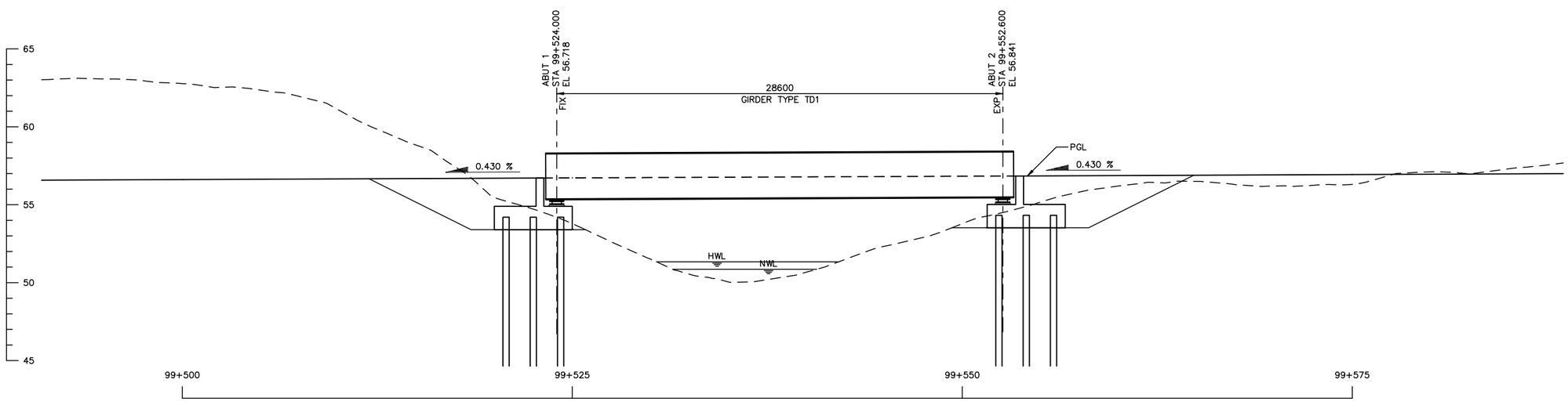
CANARAIL

DILLON CONSULTING

CAD FILE:

SAVED: 19/08/2011 6:52:46 PM PLOTTED: 25-Nov-11 11:00 AM USER: BARNES, RHIANA





NOTES

1. STRUCTURES SHOWN ON THIS DRAWING ARE SCHEMATIC ONLY. REFER TO DETAIL SHEETS IN OTHER SECTIONS OF THE DRAWING SET FOR MORE INFORMATION.
2. CONTOURS SHOWN ON THIS DRAWING REPRESENT EXISTING GRADE ONLY.
3. THE REFERENCE POINT LOCATING THIS STRUCTURE IS AT THE INTERSECTION BETWEEN THE ALIGNMENT REFERENCE LINE AND THE LOW STATION ABUTMENT BEARING CENTERLINE.

   THIS POINT IS LOCATED AS FOLLOWS:

   STA 99+524.000

   E 608466.142 N 7837179.914 ZONE 17W

   LATITUDE 70°36'57.393" N

   LONGITUDE 78°04'15.066" W
4. ALL DIMENSIONS ARE GIVEN ALONG THE CONTROL LINE UNO. THE CONTROL LINE IS ALSO THE PROFILE GRADE LINE (PGL) AND IS LOCATED AT CENTERLINE TRACK / TOP OF SUB-BALLAST.
5. THE WATERCOURSE CROSSED BY THIS STRUCTURE IS REFERENCED AS NUMBER 168 IN THE REPORT 'FISH HABITAT ASSESSMENTS ALONG THE STEENSBY RAIL CORRIDOR' PREPARED BY KNIGHT PIESOLD CONSULTING AND DATED FEBRUARY 2008.
6. THIS CROSSING IS DEFINED AS NON-NAVIGABLE.
7. FISH HABITAT RATING IS 'NONE'.
8. HIGH WATER LEVEL (HWL) = 51.340

   HWL FREEBOARD = 3.918 METERS
9. NORMAL WATER LEVEL (NWL) = 50.860

   NWL FREEBOARD = 4.398 METERS
10. RIP-RAP PROTECTIVE ARMOURING FOR THE ABUTMENTS MAY BE REQUIRED. THE NEED FOR AND THE EXTENT OF THIS PROTECTION WILL BE ASSESSED AND ENGINEERED IN THE FIELD AFTER FILL PLACEMENT HAS BEEN COMPLETED.

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REV	DDMMMYY	REVISION	DR	CHK	APP	APP	APP	APP	ISS	DDMMMYY	APP	ISSUED FOR
1	30SEP11	ISSUED FOR ENVIRONMENTAL IMPACT STATEMENT (EIS)										
0	30SEP08	ISSUED FOR ENVIRONMENTAL IMPACT STATEMENT (EIS)										

REF	NUMBER	TITLE

STAMP/SEAL

Client Mgr. Engineering Mgr. Project Mgr.

PROJECT PHASE: LAND PERMIT APPLICATION

PROJECT NO. | ACTIVITY NO. | SCALE: 1:150 | PACKAGE CODE

	BY	DDMMMYY
DSN	KGW	01AUG11
DRN	RCB	01AUG11
CHK	JAS	01SEPT11
APP		

Baffinland Iron Mines Corporation

AREA 5200 — RAILWAY MAIN LINE

SUBJECT: BR-099-1 GENERAL PLAN AND ELEVATION

CANARAIL

PROJECT NUMBER 1:150 1290010

DILLON CONSULTING

DRAWING NO. A1-159952-5200-122-6220-01

REV.

CAD FILE:

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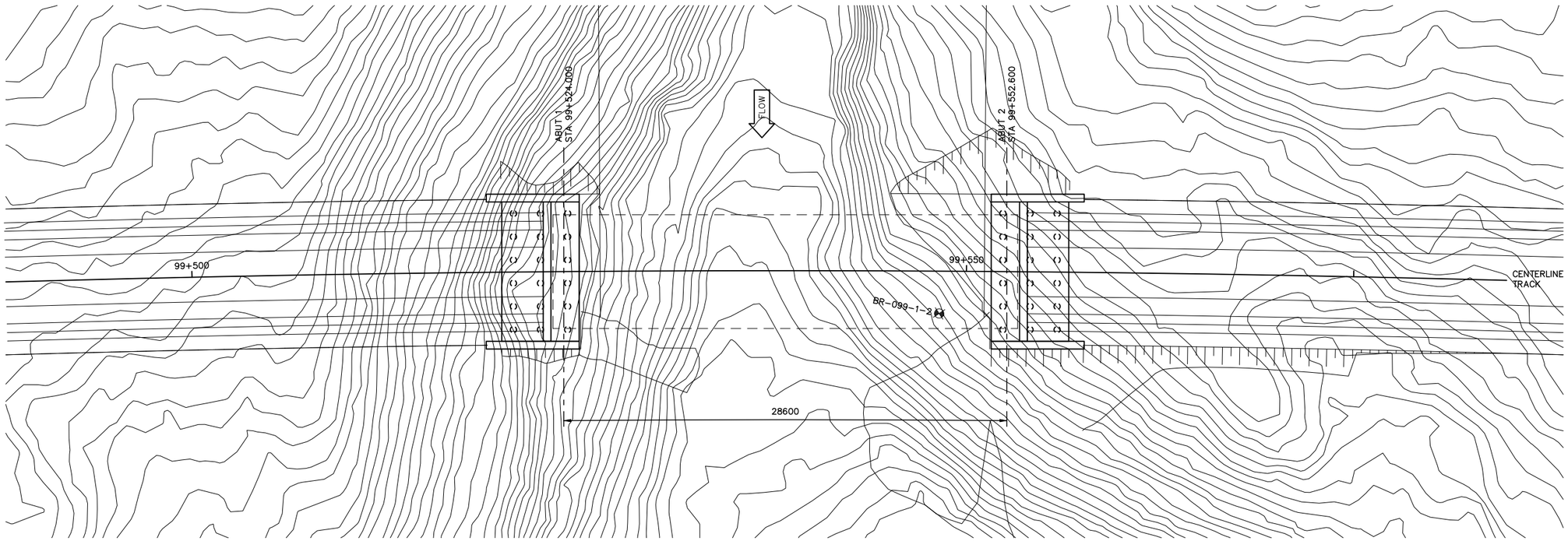

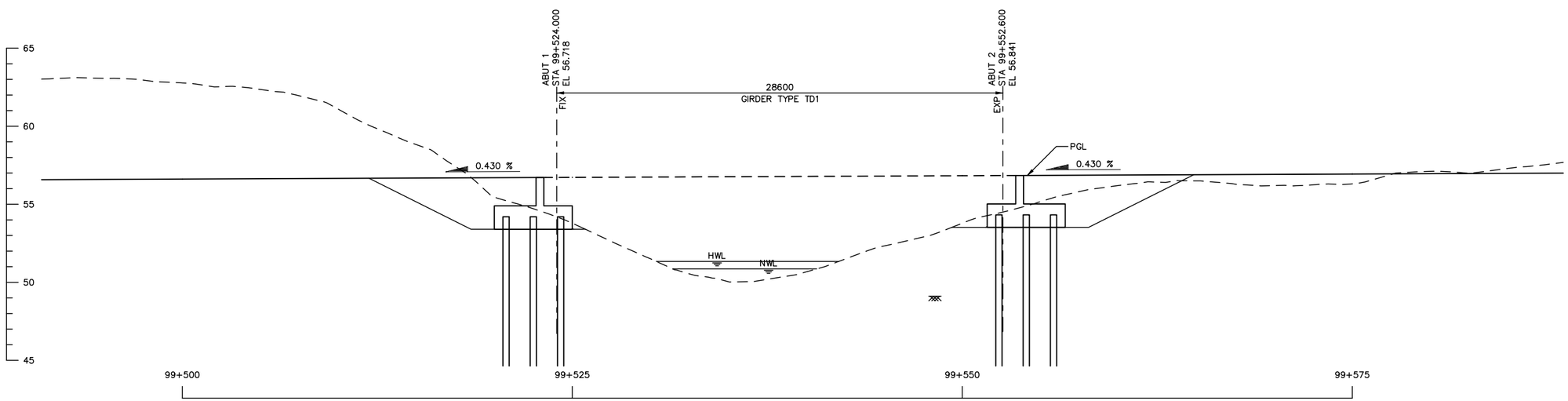

LEGEND

APPROXIMATE BOREHOLE LOCATION. SEE GEOTECHNICAL REPORT FOR EXACT LOCATION AND ADDITIONAL INFORMATION.

APPROXIMATE BEDROCK ELEVATION. SEE GEOTECHNICAL REPORT FOR EXACT ELEVATION AND ADDITIONAL INFORMATION.

BOREHOLES

ALL VALUES GIVEN BELOW ARE APPROXIMATE.

BOREHOLE	STATION	OFFSET	BEDROCK ELEV'N
BH3-2008-100	99+545	36 R	38.7
BR-099-1-2	99+548	3 R	49.1

NOTES

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REV	DDMMMYY	REVISION	DR	CHK	APP	APP	APP	APP	ISS	DDMMMYY	APP	ISSUED FOR
1	30SEP11	ISSUED FOR ENVIRONMENTAL IMPACT STATEMENT (EIS)										
0	30SEP08	ISSUED FOR ENVIRONMENTAL IMPACT STATEMENT (EIS)										

REF	NUMBER	TITLE

STAMP/SEAL

Client Mgr. Engineering Mgr. Project Mgr.

PROJECT PHASE: LAND PERMIT APPLICATION

PROJECT NO. | ACTIVITY NO. | SCALE: 1:150 | PACKAGE CODE

	BY	DDMMMYY
DSN	KGW	01AUG11
DRN	RCB	01AUG11
CHK	JAS	01SEPT11
APP		

Baffinland Iron Mines Corporation

AREA 5200 — RAILWAY MAIN LINE

CANARAIL — DILLON CONSULTING

PROJECT NUMBER 1:150 1290020

SUBJECT: BR-099-1 FOUNDATION LAYOUT

DRAWING NO. A1-159952-5200-122-6220-02

REV.

CAD FILE:

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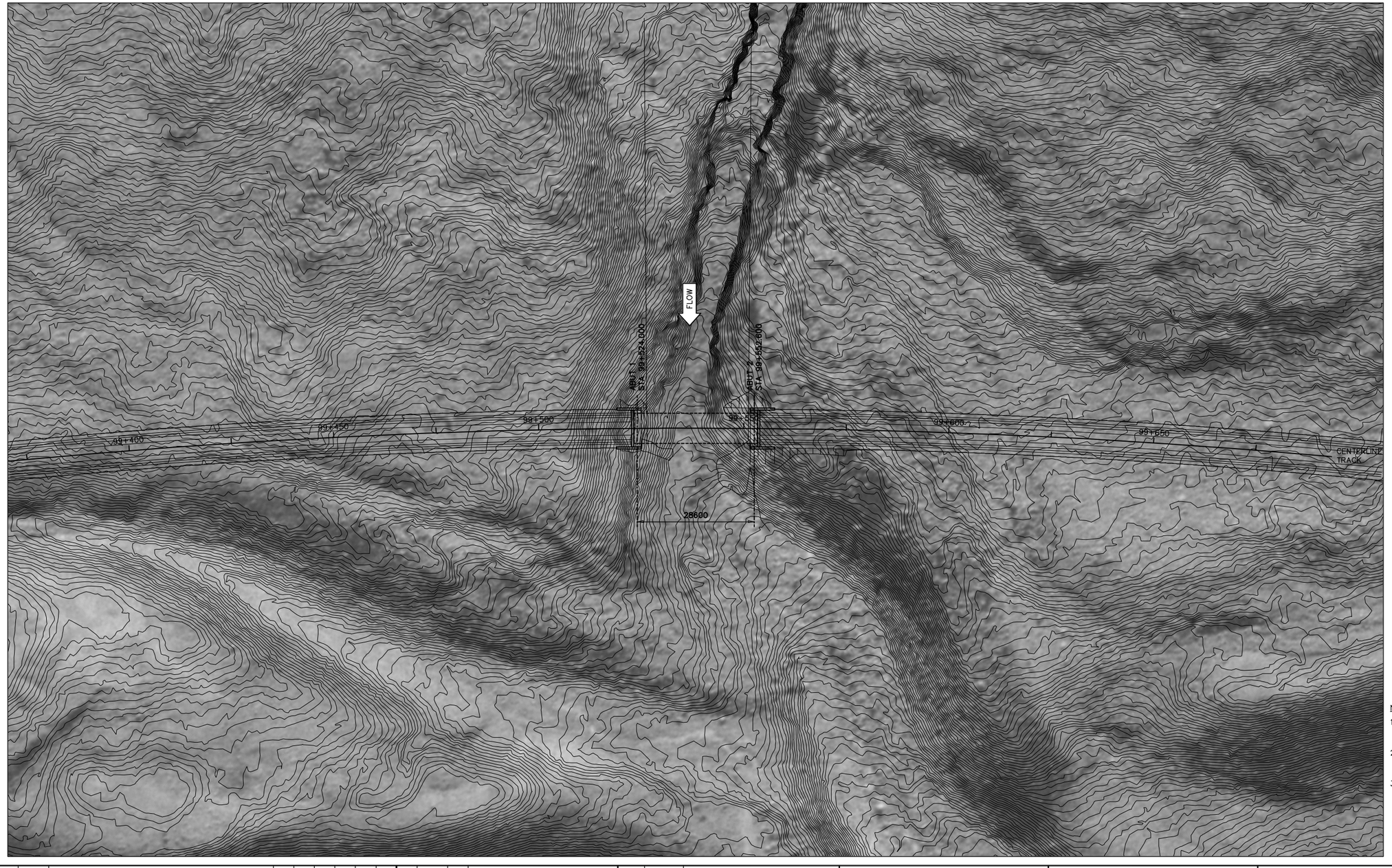

NOTES

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REV	DDMMMYY	REVISION	DR	CHK	APP	APP	APP	APP	APP
1	30SEP11	ISSUED FOR ENVIRONMENTAL IMPACT STATEMENT (EIS)							
0	30SEP08	ISSUED FOR ENVIRONMENTAL IMPACT STATEMENT (EIS)							

ISS	DDMMMYY	APP	ISSUED FOR

REF	NUMBER	TITLE

REFERENCES

STAMP/SEAL

Client Mgr. Engineering Mgr. Project Mgr.

PROJECT PHASE: LAND PERMIT APPLICATION

PROJECT NO. | ACTIVITY NO. | SCALE: 1:500 | PACKAGE CODE

	BY	DDMMMYY
DSN	KGW	01AUG11
DRN	RCB	01AUG11
CHK	JAS	01SEPT11
APP		

Baffinland Iron Mines Corporation

AREA 5200 — RAILWAY MAIN LINE

SUBJECT: BR–099–1 PHOTO MOSAIC

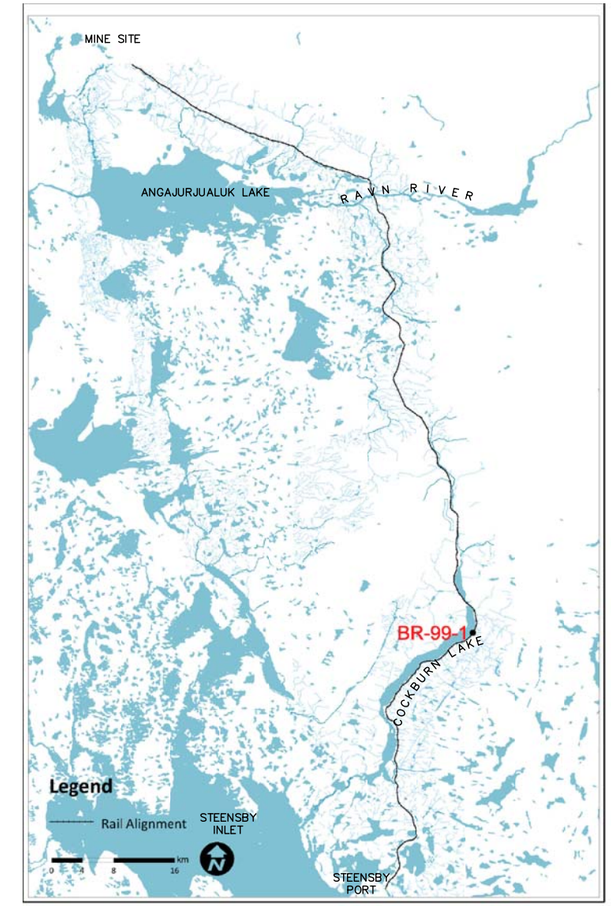
CANARIL — PROJECT NUMBER — 1:500 — 1290080

DILLON CONSULTING

DRAWING NO. A1–159952–5200–122–6220–03 — REV.

CAD FILE:

USER: MACKENZIE, STEVE
PLOTTED: 25–Nov–11 10:50 AM
SAVED: 19/08/2011 6:52:46 PM 6:52 PM



LOCATION KEY PLAN

NOTES

1. THE WATERCOURSE CROSSED BY THIS STRUCTURE IS REFERENCED AS NUMBER 168 IN THE REPORT 'FISH HABITAT ASSESSMENTS ALONG THE STEENSBY RAIL CORRIDOR' PREPARED BY KNIGHT PIESOLD CONSULTING AND DATED FEBRUARY 2008.

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REV	DDMMMYY	REVISION	DR	CHK	APP	APP	APP	APP	ISS	DDMMMYY	APP	ISSUED FOR
1	30SEP11	ISSUED FOR ENVIRONMENTAL IMPACT STATEMENT (EIS)										
0	30SEP08	ISSUED FOR ENVIRONMENTAL IMPACT STATEMENT (EIS)										

REF	NUMBER	TITLE

REFERENCES

STAMP/SEAL

Client Mgr. Engineering Mgr. Project Mgr.

PROJECT PHASE: LAND PERMIT APPLICATION

PROJECT NO. | ACTIVITY NO. | SCALE | PACKAGE CODE

	BY	DDMMMYY
DSN	KGW	01AUG11
DRN	RCB	01AUG11
CHK	JAS	01SEPT11
APP		

Baffinland Iron Mines Corporation

AREA 5200 | RAILWAY MAIN LINE

SUBJECT: BR-099-1 SITE PHOTOS

CANARAIL

DILLON CONSULTING

PROJECT NUMBER 1290070

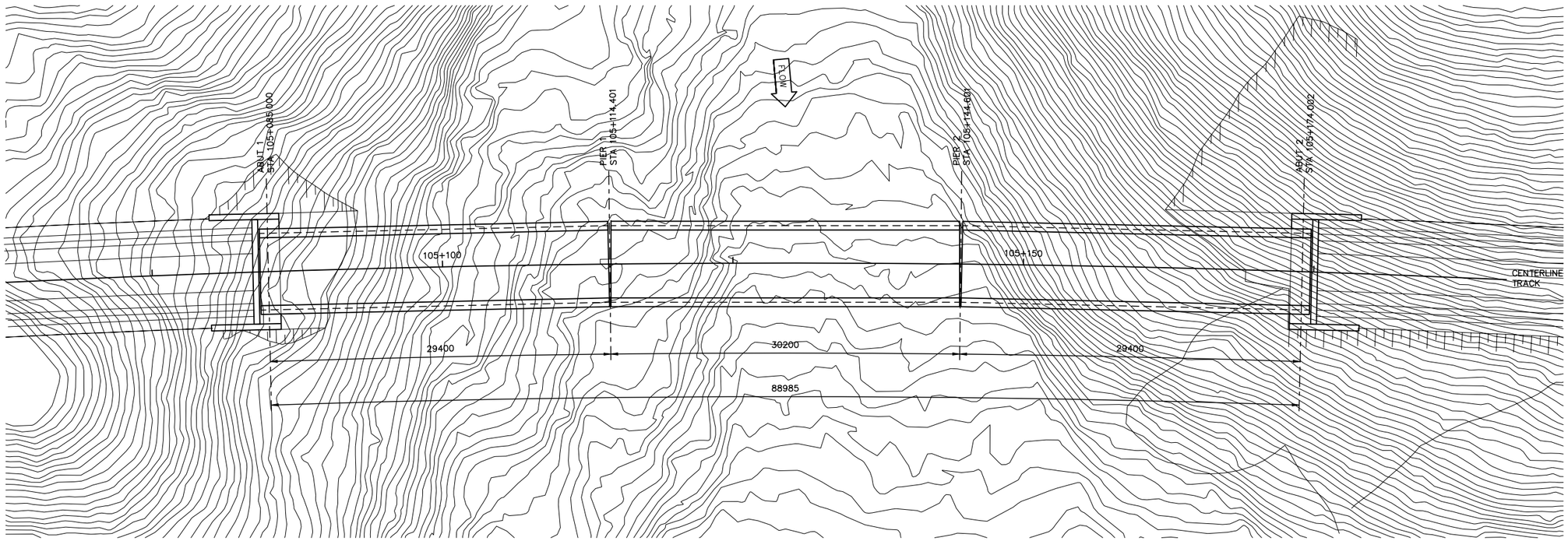
DRAWING NO. A1-159952-5200-122-6220-04

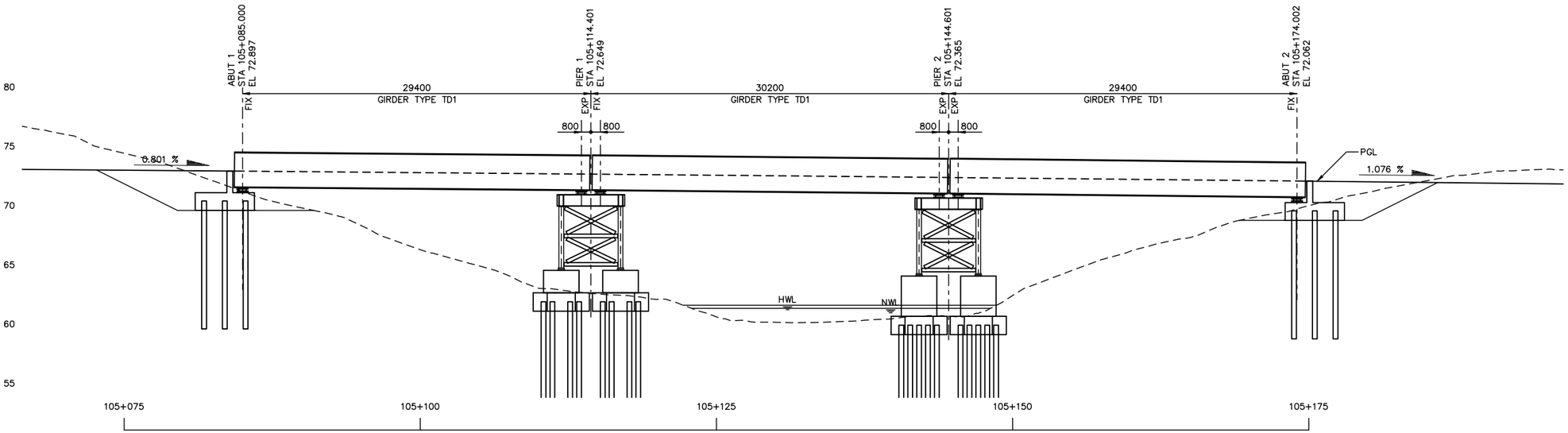
REV.

CAD FILE:

PLOTTED: 25-Nov-11 11:00 AM USER: BARNES, RHIANA

SAVED: 19/08/2011 6:52:46 PM 6:52 PM





NOTES

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2. CONTOURS SHOWN ON THIS DRAWING REPRESENT EXISTING GRADE ONLY.
3. THE REFERENCE POINT LOCATING THIS STRUCTURE IS AT THE INTERSECTION BETWEEN THE ALIGNMENT REFERENCE LINE AND THE LOW STATION ABUTMENT BEARING CENTERLINE.

   THIS POINT IS LOCATED AS FOLLOWS:

   STA 105+085.000

   E 604200.442 N 7833852.478 ZONE 17W

   LATITUDE 70°35'16.620" N

   LONGITUDE 78°11'24.084" W
4. ALL DIMENSIONS ARE GIVEN ALONG THE CONTROL LINE UNO. THE CONTROL LINE IS ALSO THE PROFILE GRADE LINE (PGL) AND IS LOCATED AT CENTERLINE TRACK / TOP OF SUB-BALLAST.
5. THE WATERCOURSE CROSSED BY THIS STRUCTURE IS REFERENCED AS NUMBER 170 IN THE REPORT 'FISH HABITAT ASSESSMENTS ALONG THE STEENSBY RAIL CORRIDOR' PREPARED BY KNIGHT PIESOLD CONSULTING AND DATED FEBRUARY 2008.
6. THIS CROSSING IS DEFINED AS NON-NAVIGABLE.
7. FISH HABITAT RATING IS 'NONE'.
8. HIGH WATER LEVEL (HWL) = 61.580

   HWL FREEBOARD = 9.022 METERS
9. NORMAL WATER LEVEL (NWL) = 61.320

   NWL FREEBOARD = 9.282 METERS
10. RIP-RAP PROTECTIVE ARMOURING FOR THE ABUTMENTS IS NOT EXPECTED TO BE REQUIRED. THE NEED FOR AND THE EXTENT OF THIS PROTECTION WILL BE ASSESSED AND ENGINEERED IN THE FIELD AFTER FILL PLACEMENT HAS BEEN COMPLETED.

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1	30SEP11	ISSUED FOR ENVIRONMENTAL IMPACT STATEMENT (EIS)										
0	30SEP08	ISSUED FOR ENVIRONMENTAL IMPACT STATEMENT (EIS)										

REF	NUMBER	TITLE

REFERENCES

STAMP/SEAL

Client Mgr. Engineering Mgr. Project Mgr.

PROJECT PHASE: LAND PERMIT APPLICATION

AREA 5200

RAILWAY MAIN LINE

Baffinland Iron Mines Corporation

CANARAIL

DILLON CONSULTING

PROJECT NUMBER 1300010

PROJECT NO.	ACTIVITY NO.		BY	DDMMMYY
		DSN	KGW	01AUG11
		DRN	RCB	01AUG11
		CHK	JAS	01SEPT11
		APP		

SCALE 1:200

PACKAGE CODE

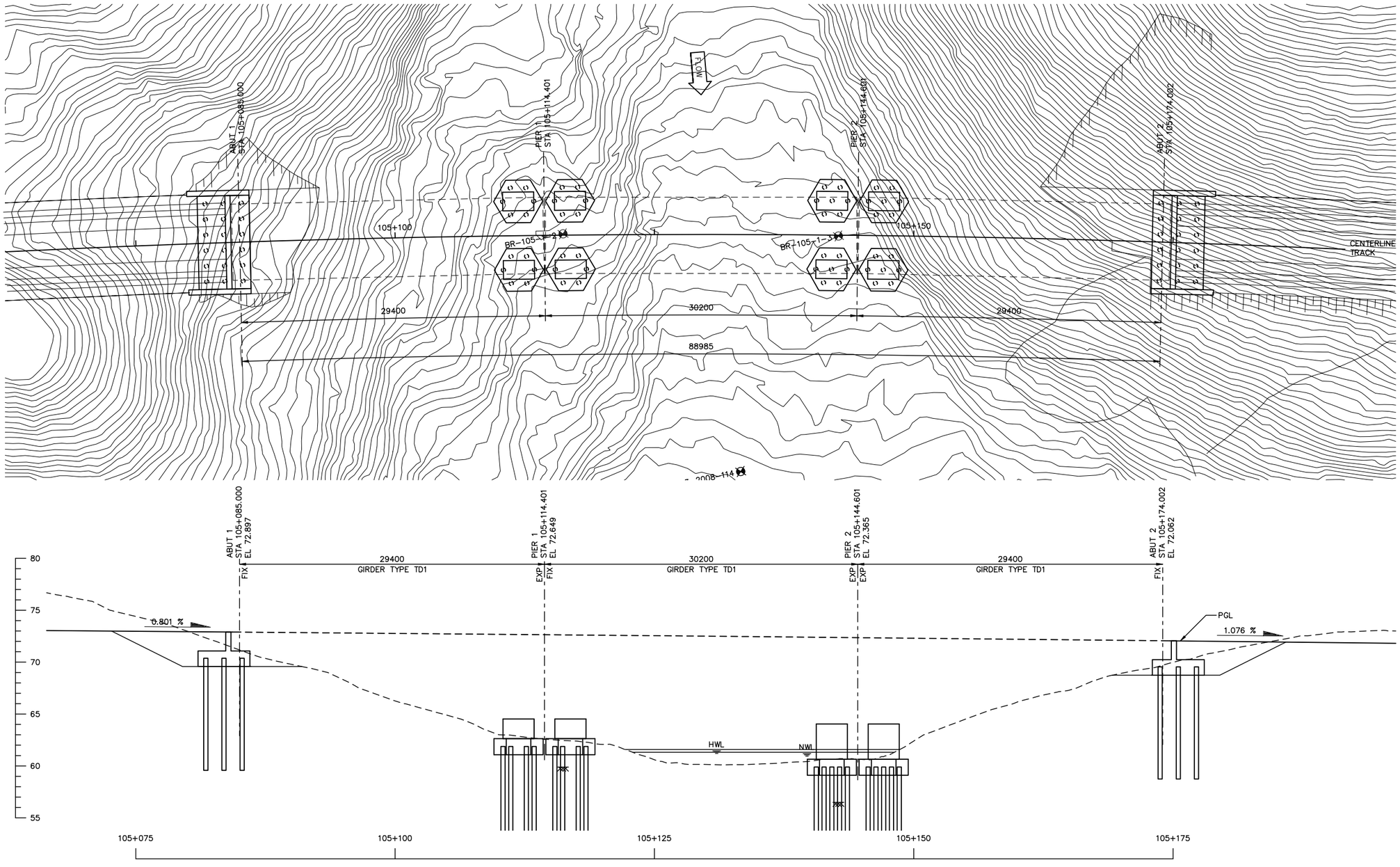
SUBJECT: BR-105-1 GENERAL PLAN AND ELEVATION

DRAWING NO. A1-159952-5200-122-6221-01

REV.

CAD FILE:

SAVED: 19/08/2011 6:52:46 PM PLOTTED: 25-Nov-11 11:00 AM USER: BARNES, RHIANA



LEGEND

- APPROXIMATE BOREHOLE LOCATION. SEE GEOTECHNICAL REPORT FOR EXACT LOCATION AND ADDITIONAL INFORMATION.
- APPROXIMATE BEDROCK ELEVATION. SEE GEOTECHNICAL REPORT FOR EXACT ELEVATION AND ADDITIONAL INFORMATION.

BOREHOLES

ALL VALUES GIVEN BELOW ARE APPROXIMATE.

BOREHOLE	STATION	OFFSET	BEDROCK ELEV'N
BH3-2008-114	105+133	23 R	53.1
BR-105-1-2	105+116	0 R	59.9
BR-105-1-3	105+143	0 R	56.5

NOTES

1. STRUCTURES SHOWN ON THIS DRAWING ARE SCHEMATIC ONLY. REFER TO DETAIL SHEETS IN OTHER SECTIONS OF THE DRAWING SET FOR MORE INFORMATION.
2. CONTOURS SHOWN ON THIS DRAWING REPRESENT EXISTING GRADE ONLY.

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 PURPOSE.

REV	DDMMMYY	REVISION	DR	CHK	APP	APP	APP	APP	ISS	DDMMMYY	APP	ISSUED FOR
1	30SEP11	ISSUED FOR ENVIRONMENTAL IMPACT STATEMENT (EIS)										
0	30SEP08	ISSUED FOR ENVIRONMENTAL IMPACT STATEMENT (EIS)										

REF	NUMBER	TITLE

REFERENCES

STAMP/SEAL

Client Mgr. Engineering Mgr. Project Mgr.

PROJECT PHASE: LAND PERMIT APPLICATION

PROJECT NO. | ACTIVITY NO. | SCALE: 1:200 | PACKAGE CODE

	BY	DDMMMYY
DSN	KGW	01AUG11
DRN	RCB	01AUG11
CHK	JAS	01SEPT11
APP		

Baffinland Iron Mines Corporation

AREA 5200 — RAILWAY MAIN LINE

SUBJECT: BR-105-1 FOUNDATION LAYOUT

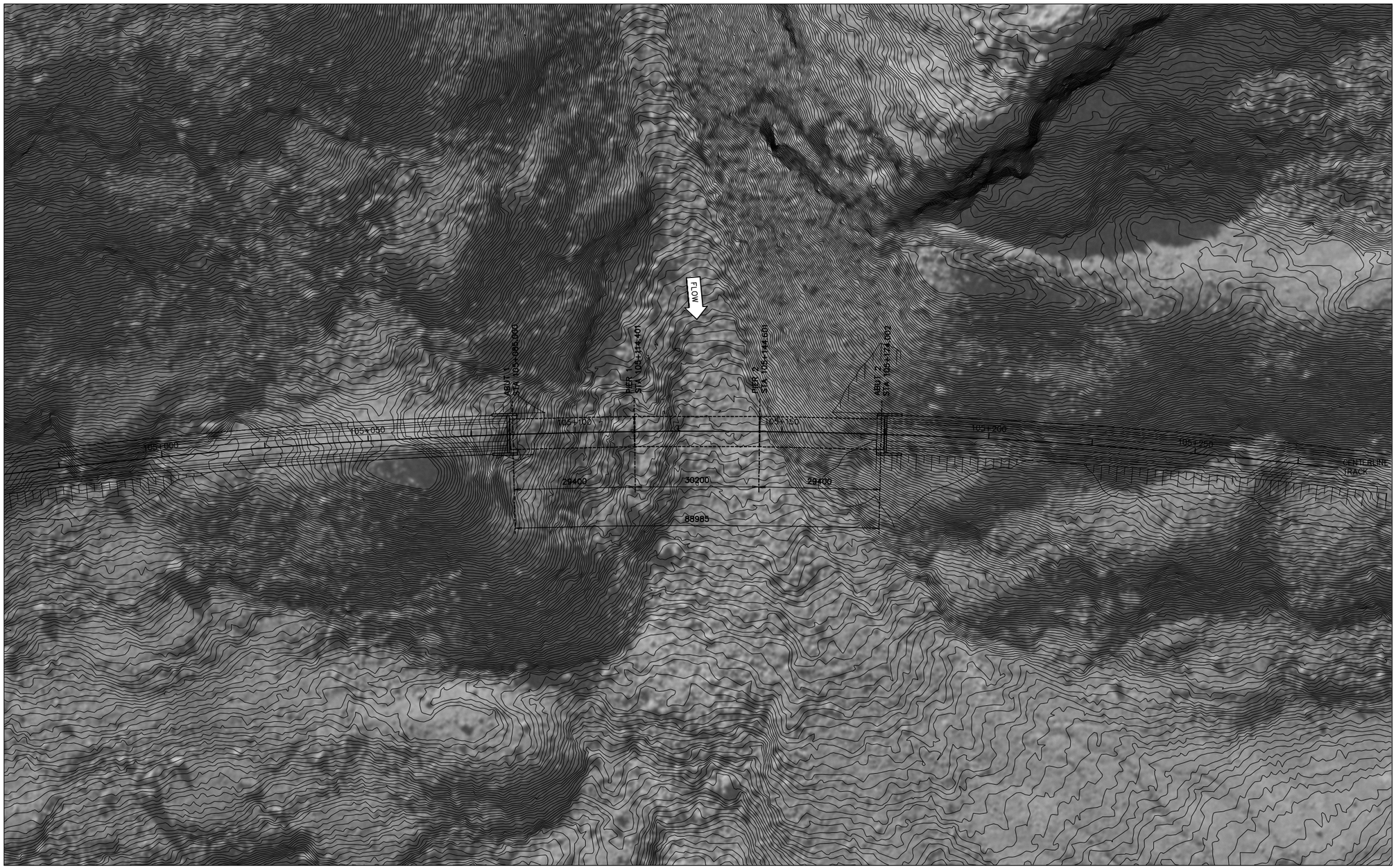
CANARAIL — PROJECT NUMBER 1:200 1300020

DILLON CONSULTING

DRAWING NO. A1-159952-5200-122-6221-02 — REV.

CAD FILE:

SAVED: 19/08/2011 6:52:46 PM PLOTTED: 25-Nov-11 11:00 AM USER: BARNES, RHIANA



NOTES

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REV	DDMMMYY	REVISION	DR	CHK	APP	APP	APP	APP
1	30SEP11	ISSUED FOR ENVIRONMENTAL IMPACT STATEMENT (EIS)						
0	30SEP08	ISSUED FOR ENVIRONMENTAL IMPACT STATEMENT (EIS)						

ISS	DDMMMYY	APP	ISSUED FOR

REF	NUMBER	TITLE

REFERENCES

STAMP/SEAL

Client Mgr. Engineering Mgr. Project Mgr.

PROJECT PHASE: LAND PERMIT APPLICATION

AREA: 5200

RAILWAY MAIN LINE

PROJECT NO. | ACTIVITY NO. | SCALE: 1:500 | PACKAGE CODE

	BY	DDMMMYY
DSN	KGW	01AUG11
DRN	RCB	01AUG11
CHK	JAS	01SEPT11
APP		

SUBJECT: BR–105–1 PHOTO MOSAIC

Baffinland Iron Mines Corporation

CANARAIL

DILLON CONSULTING

PROJECT NUMBER

1:500 13000580

DRAWING NO.: A1–159952–5200–122–6221–03

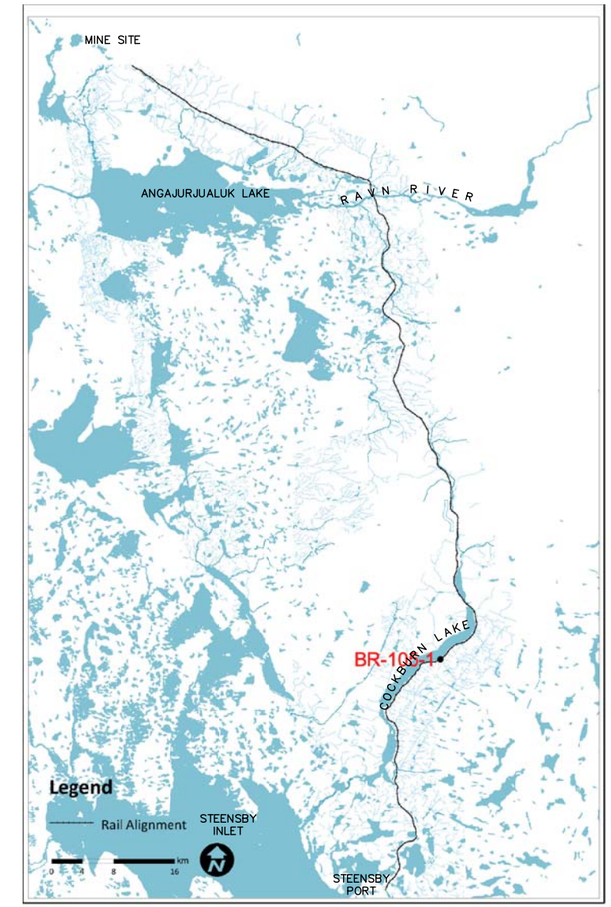
REV.

CAD FILE:

USER: MACKENZIE, STEVE

PLOTTED: 25–Nov–11 10:51 AM

SAVED: 19/08/2011 6:52:46 PM 6:52 PM



LOCATION KEY PLAN

NOTES

1. THE WATERCOURSE CROSSED BY THIS STRUCTURE IS REFERENCED AS NUMBER 170 IN THE REPORT 'FISH HABITAT ASSESSMENTS ALONG THE STEENSBY RAIL CORRIDOR' PREPARED BY KNIGHT PIESOLD CONSULTING AND DATED FEBRUARY 2008.

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 PURPOSE.

REV	DDMMMYY	REVISION	DR	CHK	APP	APP	APP	APP	ISS	DDMMMYY	APP	ISSUED FOR
1	30SEP11	ISSUED FOR ENVIRONMENTAL IMPACT STATEMENT (EIS)										
0	30SEP08	ISSUED FOR ENVIRONMENTAL IMPACT STATEMENT (EIS)										

REF	NUMBER	TITLE

REFERENCES

STAMP/SEAL

Client Mgr. Engineering Mgr. Project Mgr.

Baffinland Iron Mines Corporation

CANARAIL

DILLON CONSULTING

PROJECT PHASE: LAND PERMIT APPLICATION

AREA: 5200

RAILWAY MAIN LINE

PROJECT NUMBER

PROJECT NO. | ACTIVITY NO. | SCALE | PACKAGE CODE

	BY	DDMMMYY
DSN	KGW	01AUG11
DRN	RCB	01AUG11
CHK	JAS	01SEPT11
APP		

SUBJECT: BR-105-1 SITE PHOTOS

DRAWING NO.: A1-159952-5200-122-6221-04

REV.

CAD FILE:

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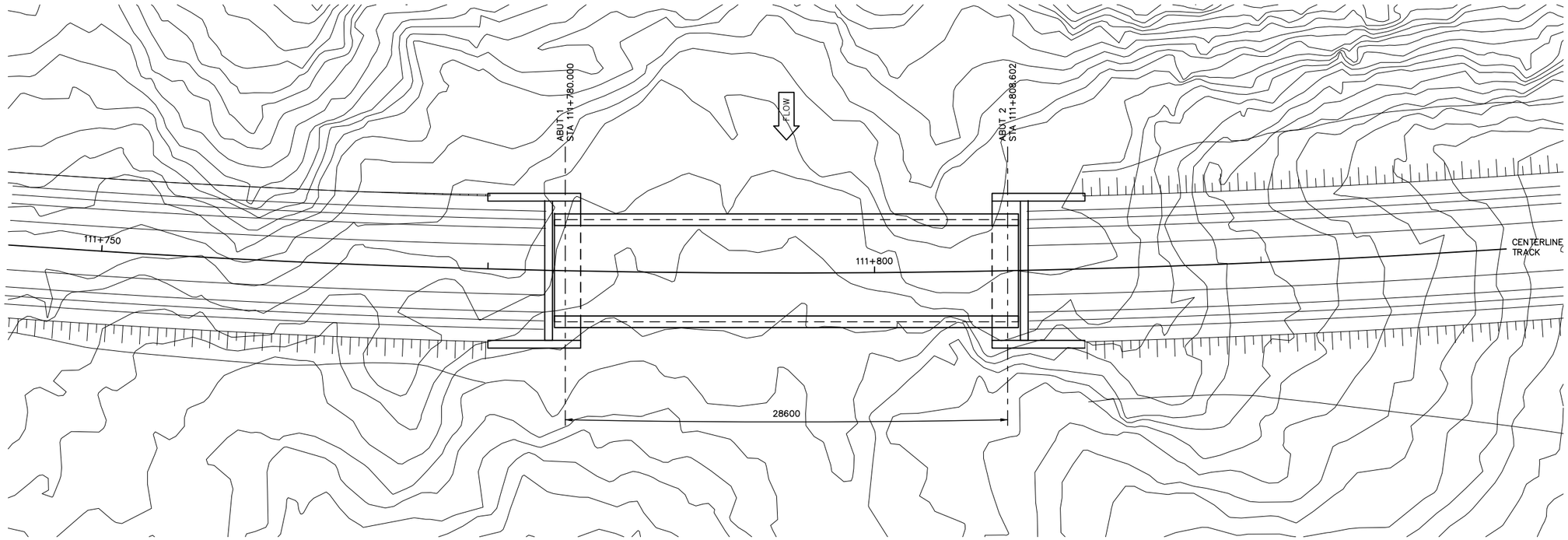

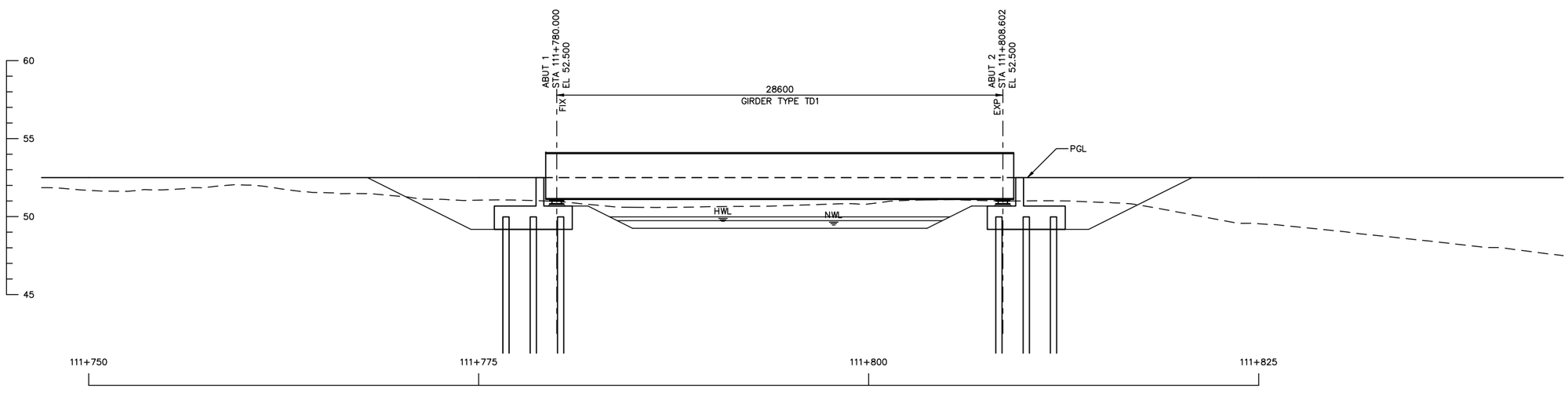

NOTES

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2. CONTOURS SHOWN ON THIS DRAWING REPRESENT EXISTING GRADE ONLY.
3. THE WATERCOURSE CROSS SECTION AT THIS LOCATION REQUIRES MODIFICATION IN ORDER TO PROVIDE SUFFICIENT CLEARANCE TO THE BRIDGE STRUCTURE. THE ELEVATION VIEW ON THIS DRAWING SHOWS THE ADJUSTED CHANNEL AND THE ASSOCIATED WATER LEVELS.
4. THE REFERENCE POINT LOCATING THIS STRUCTURE IS AT THE INTERSECTION BETWEEN THE ALIGNMENT REFERENCE LINE AND THE LOW STATION ABUTMENT BEARING CENTERLINE.

   THIS POINT IS LOCATED AS FOLLOWS:

   STA 111+780.000

   E 599065.884 N 7830211.950 ZONE 17W

   LATITUDE 70°33'26.707" N

   LONGITUDE 78°19'57.362" W
5. ALL DIMENSIONS ARE GIVEN ALONG THE CONTROL LINE UNO. THE CONTROL LINE IS ALSO THE PROFILE GRADE LINE (PGL) AND IS LOCATED AT CENTERLINE TRACK / TOP OF SUB-BALLAST.
6. THE WATERCOURSE CROSSED BY THIS STRUCTURE IS REFERENCED AS NUMBER 175 IN THE REPORT 'FISH HABITAT ASSESSMENTS ALONG THE STEENSBY RAIL CORRIDOR' PREPARED BY KNIGHT PIESOLD CONSULTING AND DATED FEBRUARY 2008.
7. THIS CROSSING IS DEFINED AS NON-NAVIGABLE.
8. FISH HABITAT RATING IS 'NONE'.
9. HIGH WATER LEVEL (HWL) = 49.980

   HWL FREEBOARD = 1.060 METERS
10. NORMAL WATER LEVEL (NWL) = 49.740

    NWL FREEBOARD = 1.300 METERS
11. RIP-RAP PROTECTIVE ARMOURING FOR THE ABUTMENTS IS NOT EXPECTED TO BE REQUIRED. THE NEED FOR AND THE EXTENT OF THIS PROTECTION WILL BE ASSESSED AND ENGINEERED IN THE FIELD AFTER FILL PLACEMENT HAS BEEN COMPLETED.

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 PURPOSE.

REV	DDMMMYY	REVISION	DR	CHK	APP	APP	APP	APP	ISS	DDMMMYY	APP	ISSUED FOR
1	30SEP11	ISSUED FOR ENVIRONMENTAL IMPACT STATEMENT (EIS)										
0	30SEP08	ISSUED FOR ENVIRONMENTAL IMPACT STATEMENT (EIS)										

REF	NUMBER	TITLE

STAMP/SEAL

Client Mgr. Engineering Mgr. Project Mgr.

PROJECT PHASE: LAND PERMIT APPLICATION

PROJECT NO. | ACTIVITY NO. | SCALE: 1:150 | PACKAGE CODE

	BY	DDMMMYY
DSN	KGW	01AUG11
DRN	RCB	01AUG11
CHK	JAS	01SEPT11
APP		

Baffinland Iron Mines Corporation

AREA 5200 — RAILWAY MAIN LINE

SUBJECT: CV-111-1 GENERAL PLAN AND ELEVATION

CANARAIL — DILLON CONSULTING

PROJECT NUMBER 1:150 1310010

DRAWING NO. A1-159952-5200-122-6222-01 REV.

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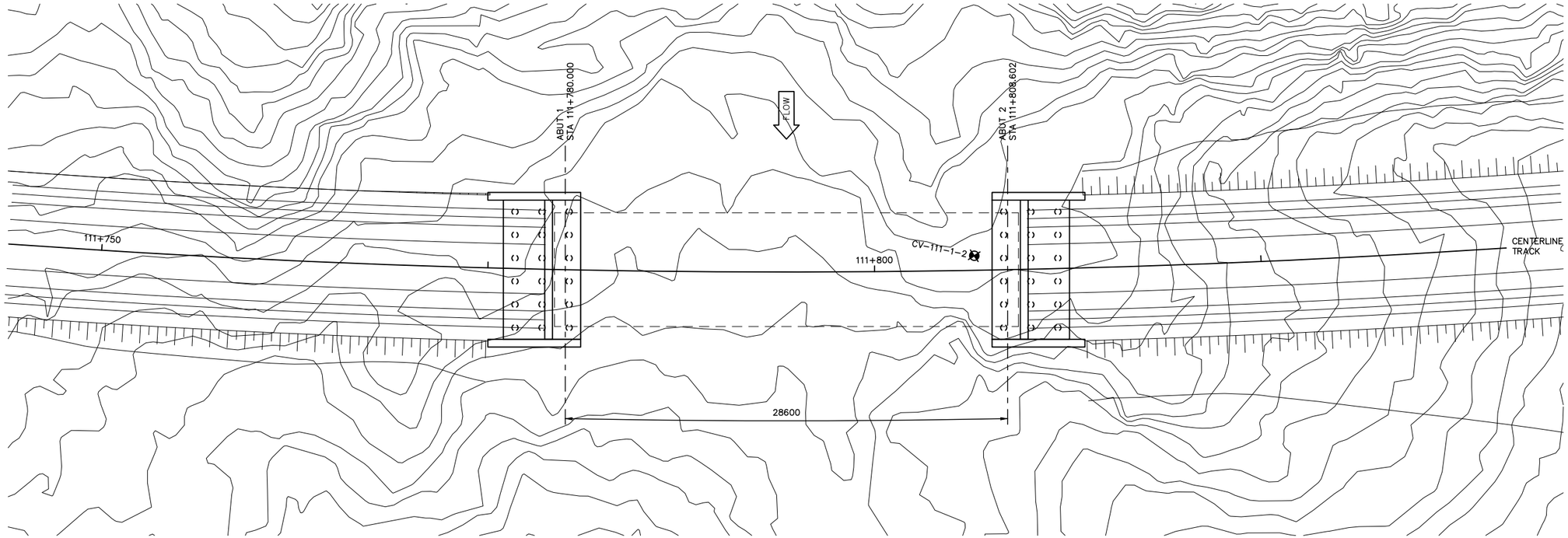

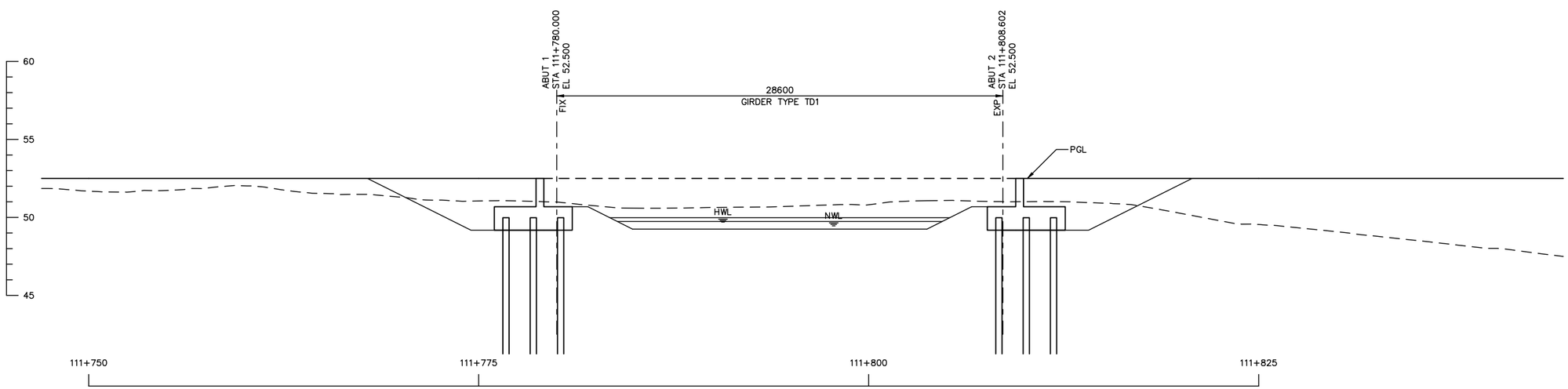

LEGEND

APPROXIMATE BOREHOLE LOCATION. SEE GEOTECHNICAL REPORT FOR EXACT LOCATION AND ADDITIONAL INFORMATION.

APPROXIMATE BEDROCK ELEVATION. SEE GEOTECHNICAL REPORT FOR EXACT ELEVATION AND ADDITIONAL INFORMATION.

BOREHOLES

ALL VALUES GIVEN BELOW ARE APPROXIMATE.

BOREHOLE	STATION	OFFSET	BEDROCK ELEV'N
CV-111-1-2	111+806	1 L	26.0

NOTES

1. STRUCTURES SHOWN ON THIS DRAWING ARE SCHEMATIC ONLY. REFER TO DETAIL SHEETS IN OTHER SECTIONS OF THE DRAWING SET FOR MORE INFORMATION.
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1	30SEP11	ISSUED FOR ENVIRONMENTAL IMPACT STATEMENT (EIS)										
0	30SEP08	ISSUED FOR ENVIRONMENTAL IMPACT STATEMENT (EIS)										

REF	NUMBER	TITLE

STAMP/SEAL

Client Mgr. Engineering Mgr. Project Mgr.

PROJECT PHASE: LAND PERMIT APPLICATION

AREA 5200

RAILWAY MAIN LINE

Baffinland Iron Mines Corporation

CANARAIL

DILLON CONSULTING

PROJECT NUMBER 1310020

PROJECT NO.	ACTIVITY NO.		BY	DDMMMYY
		DSN	KGW	01AUG11
		DRN	RCB	01AUG11
		CHK	JAS	01SEPT11
		APP		

SCALE 1:150

PACKAGE CODE

SUBJECT: CV-111-1 FOUNDATION LAYOUT

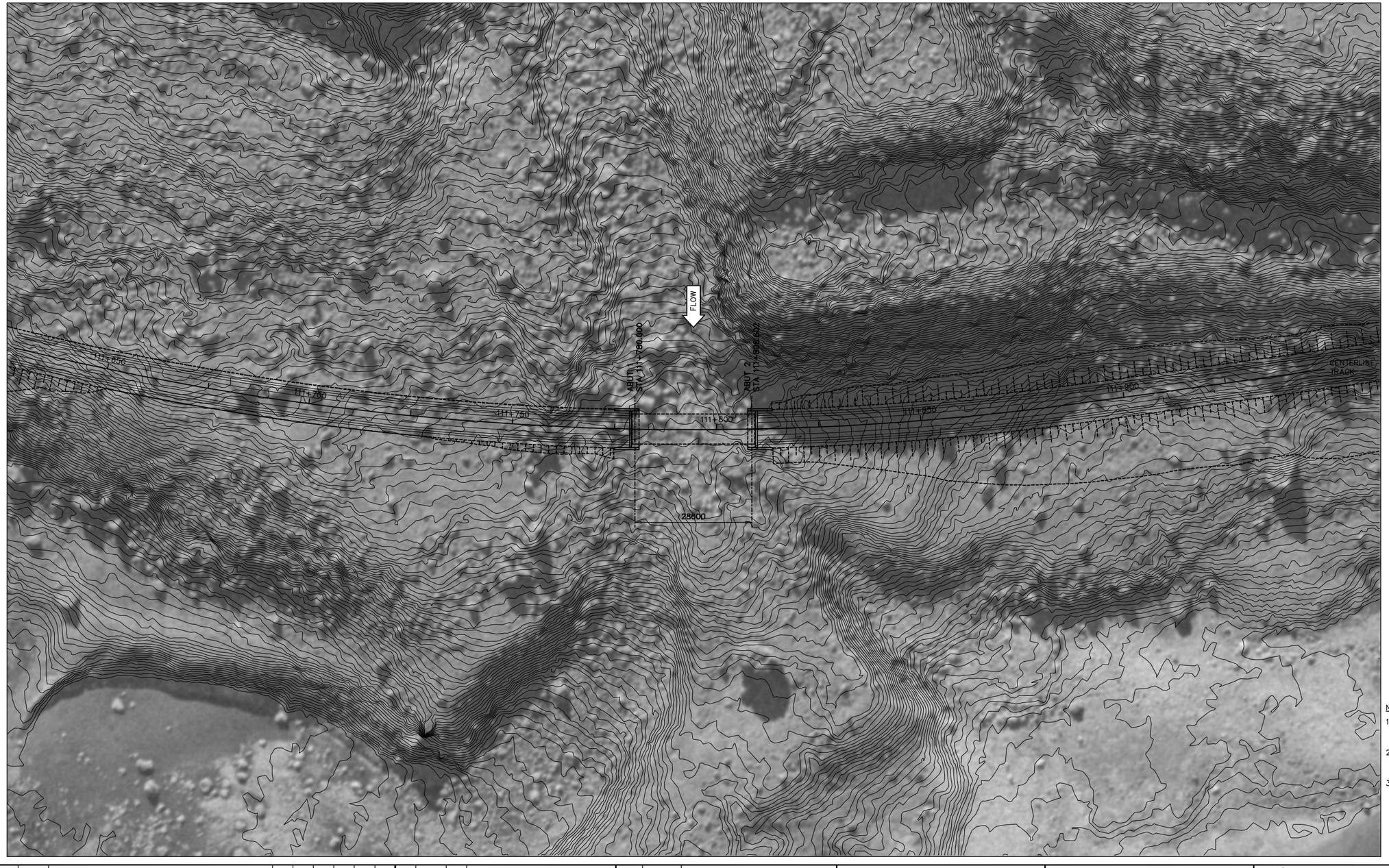
DRAWING NO. A1-159952-5200-122-6222-02

REV.

CAD FILE:

PLOTTED: 25-Nov-11 11:01 AM USER: BARNES, RHIANA

SAVED: 19/08/2011 6:52:46 PM 6:52 PM



NOTES

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1	30SEP11	ISSUED FOR ENVIRONMENTAL IMPACT STATEMENT (EIS)										
0	30SEP08	ISSUED FOR ENVIRONMENTAL IMPACT STATEMENT (EIS)										

REF	NUMBER	TITLE

REFERENCES

STAMP/SEAL

Client Mgr. Engineering Mgr. Project Mgr.

PROJECT PHASE: LAND PERMIT APPLICATION

PROJECT NO. | ACTIVITY NO. | SCALE: 1:500 | PACKAGE CODE

	BY	DDMMMYY
DSN	KGW	01AUG11
DRN	RCB	01AUG11
CHK	JAS	01SEPT11
APP		

Baffinland Iron Mines Corporation

AREA 5200 — RAILWAY MAIN LINE

SUBJECT: CV–111–1 PHOTO MOSAIC

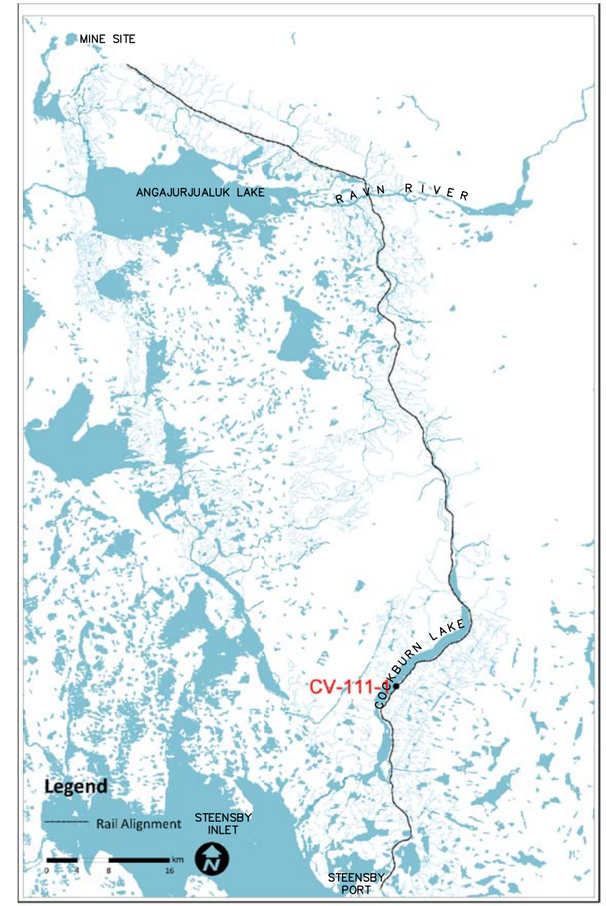
CANARIL — PROJECT NUMBER — 1:500 — 1310080

DILLON CONSULTING

DRAWING NO. A1–159952–5200–122–6222–03 — REV.

CAD FILE:

SAVED: 19/08/2011 6:52:46 PM PLOTTED: 25–Nov–11 10:51 AM USER: MACKENZIE, STEVE



LOCATION KEY PLAN

NOTES

1. THE WATERCOURSE CROSSED BY THIS STRUCTURE IS REFERENCED AS NUMBER 175 IN THE REPORT 'FISH HABITAT ASSESSMENTS ALONG THE STEENSBY RAIL CORRIDOR' PREPARED BY KNIGHT PIESOLD CONSULTING AND DATED FEBRUARY 2008.

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1	30SEP11	ISSUED FOR ENVIRONMENTAL IMPACT STATEMENT (EIS)										
0	30SEP08	ISSUED FOR ENVIRONMENTAL IMPACT STATEMENT (EIS)										

REF	NUMBER	TITLE

REFERENCES

STAMP/SEAL

Client Mgr. Engineering Mgr. Project Mgr.

PROJECT PHASE: LAND PERMIT APPLICATION

AREA 5200

RAILWAY MAIN LINE

PROJECT NO.	ACTIVITY NO.		BY	DDMMMYY
		DSN	KGW	01AUG11
		DRN	RCB	01AUG11
SCALE	PACKAGE CODE	CHK	JAS	01SEPT11
		APP		

SUBJECT: CV-111-1 SITE PHOTOS

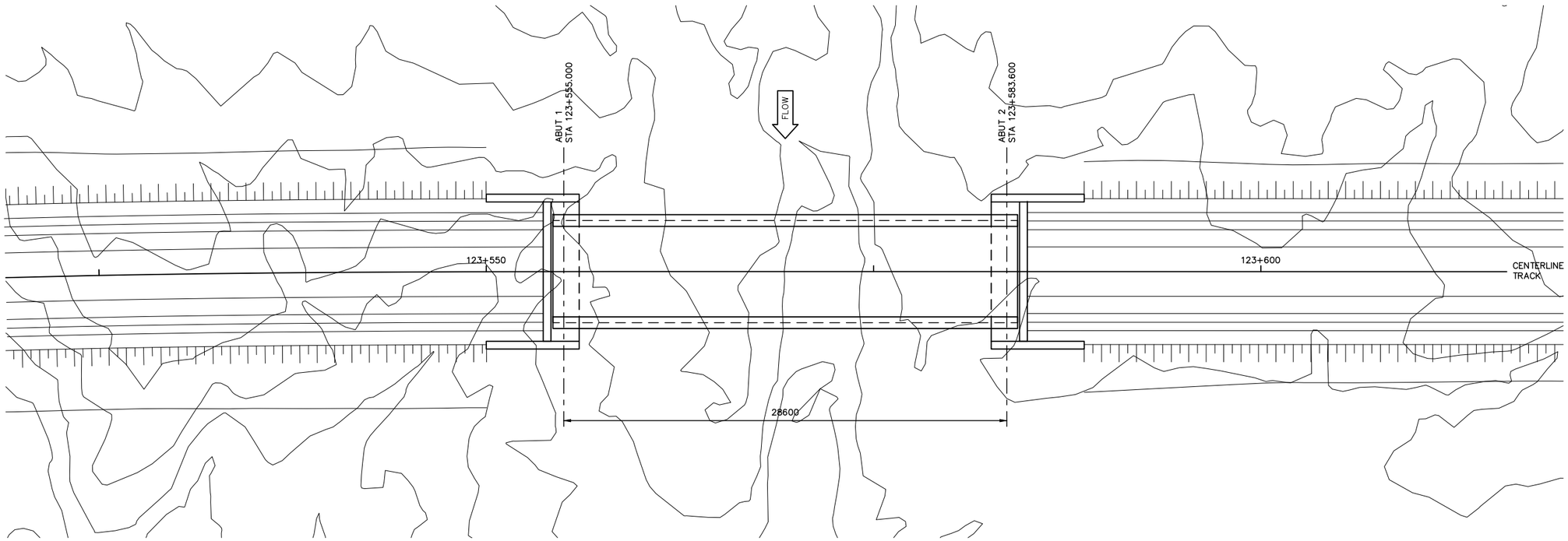
PROJECT NUMBER

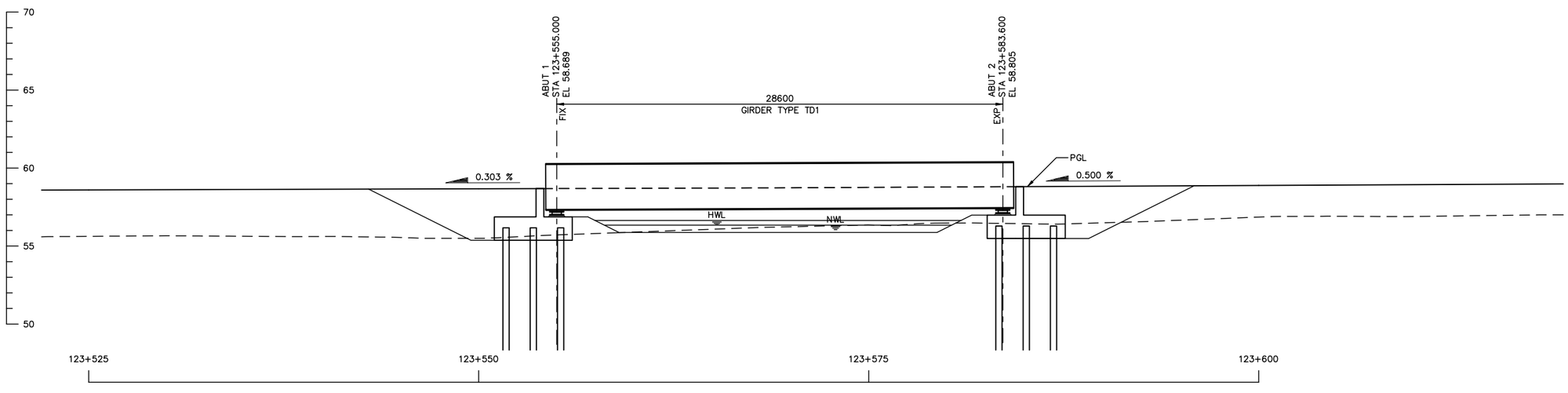
DRAWING NO. A1-159952-5200-122-6222-04

REV.

CAD FILE:

SAVED: 19/08/2011 6:52:46 PM PLOTTED: 25-Nov-11 11:01 AM USER: BARNES, RHIANA





NOTES

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4. THE REFERENCE POINT LOCATING THIS STRUCTURE IS AT THE INTERSECTION BETWEEN THE ALIGNMENT REFERENCE LINE AND THE LOW STATION ABUTMENT BEARING CENTERLINE.

   THIS POINT IS LOCATED AS FOLLOWS:

   STA 123+555.000

   E 598473.423 N 7819915.870 ZONE 17W

   LATITUDE 70°27'55.540" N

   LONGITUDE 78°21'38.027" W
5. ALL DIMENSIONS ARE GIVEN ALONG THE CONTROL LINE UNO. THE CONTROL LINE IS ALSO THE PROFILE GRADE LINE (PGL) AND IS LOCATED AT CENTERLINE TRACK / TOP OF SUB-BALLAST.
6. THIS CROSSING IS DEFINED AS NON-NAVIGABLE.
7. FISH HABITAT RATING IS 'MARGINAL'.
8. HIGH WATER LEVEL (HWL) = 56.640

   HWL FREEBOARD = 0.589 METERS
9. NORMAL WATER LEVEL (NWL) = 56.340

   NWL FREEBOARD = 0.889 METERS
10. RIP-RAP PROTECTIVE ARMOURING FOR THE ABUTMENTS MAY BE REQUIRED. THE NEED FOR AND THE EXTENT OF THIS PROTECTION WILL BE ASSESSED AND ENGINEERED IN THE FIELD AFTER FILL PLACEMENT HAS BEEN COMPLETED.

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REV	DDMMMYY	REVISION	DR	CHK	APP	APP	APP	APP	ISS	DDMMMYY	APP	ISSUED FOR
1	30SEP11	ISSUED FOR ENVIRONMENTAL IMPACT STATEMENT (EIS)										
0	30SEP08	ISSUED FOR ENVIRONMENTAL IMPACT STATEMENT (EIS)										

REF	NUMBER	TITLE

STAMP/SEAL

Client Mgr. Engineering Mgr. Project Mgr.

PROJECT PHASE: LAND PERMIT APPLICATION

PROJECT NO. | ACTIVITY NO. | SCALE: 1:150 | PACKAGE CODE

	BY	DDMMMYY
DSN	KGW	01AUG11
DRN	RCB	01AUG11
CHK	JAS	01SEPT11
APP		

Baffinland Iron Mines Corporation

AREA 5200 — RAILWAY MAIN LINE

SUBJECT: CV-123-3 GENERAL PLAN AND ELEVATION

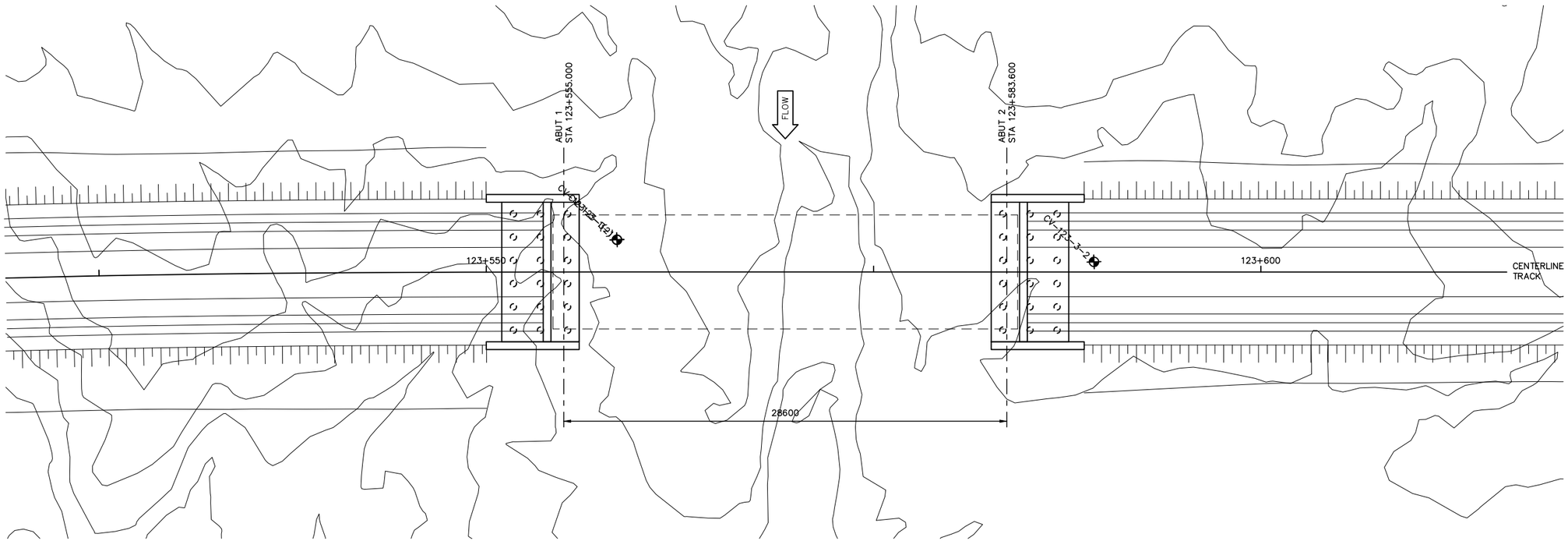
CANARAIL — DILLON CONSULTING

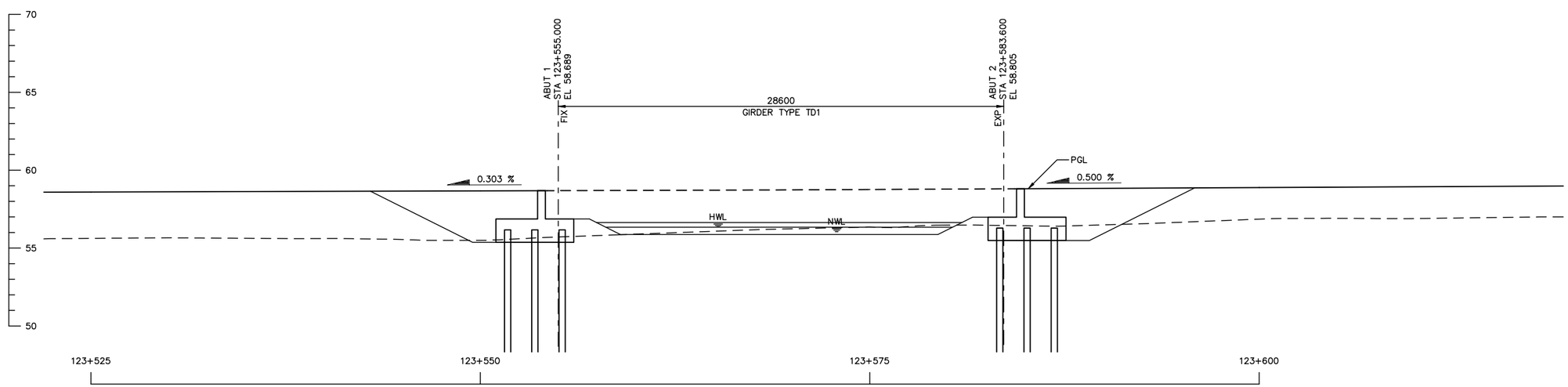
PROJECT NUMBER 1:150 1312010

DRAWING NO. A1-159952-5200-122-6223-01 REV.

CAD FILE:

USER: BARNES, RHIANA
PLOTTED: 25-Nov-11 11:01 AM
SAVED: 19/08/2011 6:52:46 PM 6:52 PM





LEGEND

APPROXIMATE BOREHOLE LOCATION. SEE GEOTECHNICAL REPORT FOR EXACT LOCATION AND ADDITIONAL INFORMATION.

APPROXIMATE BEDROCK ELEVATION. SEE GEOTECHNICAL REPORT FOR EXACT ELEVATION AND ADDITIONAL INFORMATION.

BOREHOLES

ALL VALUES GIVEN BELOW ARE APPROXIMATE.

BOREHOLE	STATION	OFFSET	BEDROCK ELEV'N
CV-123-3-1	123+558	2 L	26.7
CV-123-3-1(2)	123+558	2 L	< 32
CV-123-3-2	123+589	1 L	26.9

NOTES

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1	30SEP11	ISSUED FOR ENVIRONMENTAL IMPACT STATEMENT (EIS)										
0	30SEP08	ISSUED FOR ENVIRONMENTAL IMPACT STATEMENT (EIS)										

REF	NUMBER	TITLE

STAMP/SEAL

Client Mgr. Engineering Mgr. Project Mgr.

PROJECT PHASE: LAND PERMIT APPLICATION

AREA 5200

RAILWAY MAIN LINE

Baffinland Iron Mines Corporation

CANARAIL

DILLON CONSULTING

PROJECT NUMBER 1:150 1313020

PROJECT NO.	ACTIVITY NO.		BY	DDMMMYY
		DSN	KGW	01AUG11
		DRN	RCB	01AUG11
		CHK	JAS	01SEPT11
		APP		

SCALE 1:150

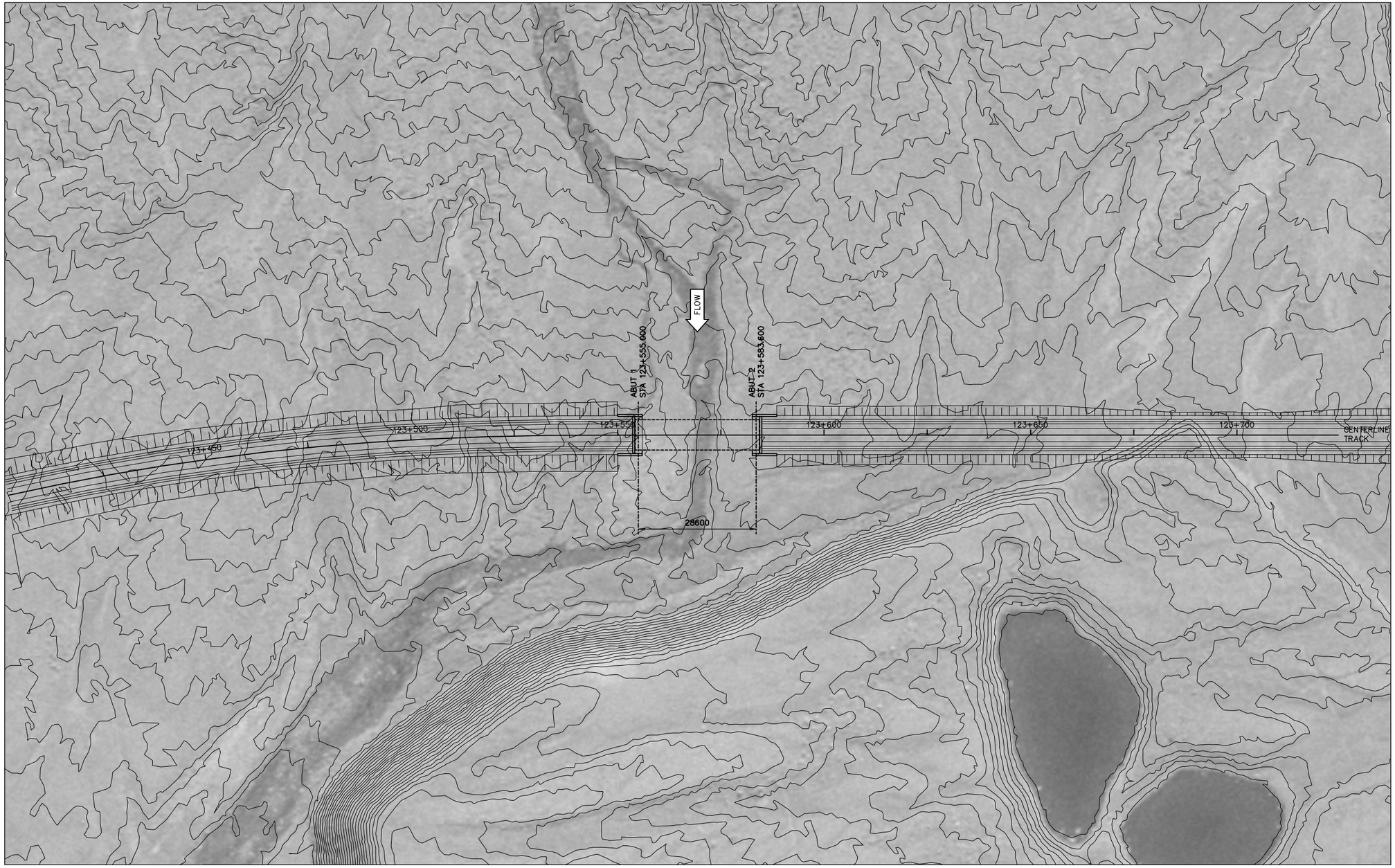
PACKAGE CODE

SUBJECT: CV-123-3 FOUNDATION LAYOUT

DRAWING NO. A1-159952-5200-122-6223-02

REV.

CAD FILE:



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1	30SEP11	ISSUED FOR ENVIRONMENTAL IMPACT STATEMENT (EIS)						
0	30SEP08	ISSUED FOR ENVIRONMENTAL IMPACT STATEMENT (EIS)						

ISS	DDMMMYY	APP	ISSUED FOR

REF	NUMBER	TITLE

STAMP/SEAL

Client Mgr. Engineering Mgr. Project Mgr.

PROJECT PHASE: LAND PERMIT APPLICATION

AREA: 5200

RAILWAY MAIN LINE

PROJECT NO. | ACTIVITY NO. | SCALE: 1:500 | PACKAGE CODE

	BY	DDMMMYY
DSN	KGW	01AUG11
DRN	RCB	01AUG11
CHK	JAS	01SEPT11
APP		

SUBJECT: CV–123–3 PHOTO MOSAIC

Baffinland Iron Mines Corporation

CANARAIL

DILLON CONSULTING

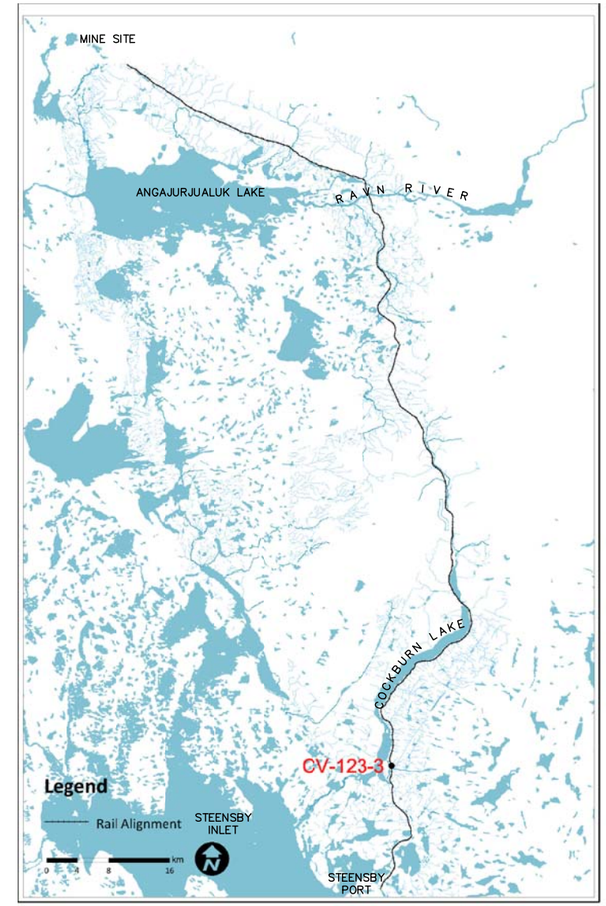
PROJECT NUMBER 1312080

DRAWING NO. A1–159952–5200–122–6223–03

REV.

CAD FILE:

USER: MACKENZIE, STEVE
PLOTTED: 25-Nov-11 10:21 AM
SAVED: 19/08/2011 6:52:46 PM 6:52 PM



LOCATION KEY PLAN

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 PURPOSE.

REV	DDMMMYY	REVISION	DR	CHK	APP	APP	APP	APP	ISS	DDMMMYY	APP	ISSUED FOR
1	30SEP11	ISSUED FOR ENVIRONMENTAL IMPACT STATEMENT (EIS)										
0	30SEP08	ISSUED FOR ENVIRONMENTAL IMPACT STATEMENT (EIS)										

REF	NUMBER	TITLE

REFERENCES

STAMP/SEAL

Client Mgr. Engineering Mgr. Project Mgr.

PROJECT PHASE: LAND PERMIT APPLICATION

PROJECT NO. | ACTIVITY NO. | SCALE | PACKAGE CODE

	BY	DDMMMYY
DSN	KGW	01AUG11
DRN	RCB	01AUG11
CHK	JAS	01SEPT11
APP		

Baffinland Iron Mines Corporation

AREA 5200 — RAILWAY MAIN LINE

SUBJECT: CV-123-3 SITE PHOTOS

CANARAIL

DILLON CONSULTING

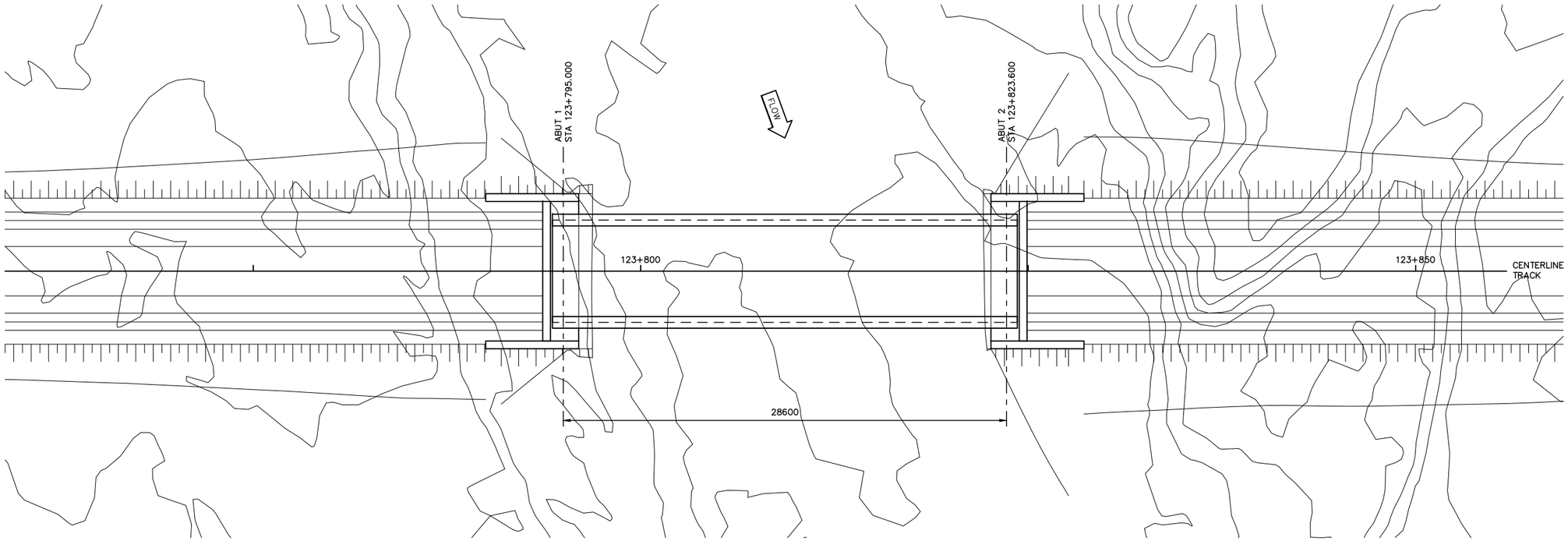
PROJECT NUMBER

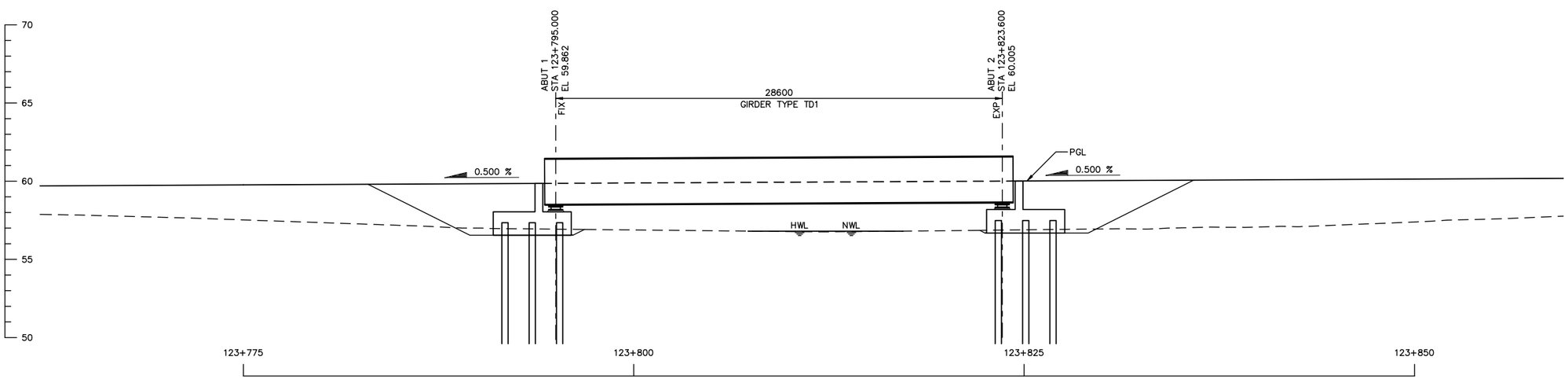
DRAWING NO. A1-159952-5200-122-6223-04

REV.

CAD FILE:

SAVED: 19/08/2011 6:52:46 PM PLOTTED: 25-Nov-11 11:01 AM USER: BARNES, RHIANA





NOTES

1. STRUCTURES SHOWN ON THIS DRAWING ARE SCHEMATIC ONLY. REFER TO DETAIL SHEETS IN OTHER SECTIONS OF THE DRAWING SET FOR MORE INFORMATION.
2. CONTOURS SHOWN ON THIS DRAWING REPRESENT EXISTING GRADE ONLY.
3. THE REFERENCE POINT LOCATING THIS STRUCTURE IS AT THE INTERSECTION BETWEEN THE ALIGNMENT REFERENCE LINE AND THE LOW STATION ABUTMENT BEARING CENTERLINE.

   THIS POINT IS LOCATED AS FOLLOWS:

   STA 123+795.000

   E 598464.133 N 7819676.049 ZONE 17W

   LATITUDE 70°27'47.819" N

   LONGITUDE 78°21'39.926" W
4. ALL DIMENSIONS ARE GIVEN ALONG THE CONTROL LINE UNO. THE CONTROL LINE IS ALSO THE PROFILE GRADE LINE (PGL) AND IS LOCATED AT CENTERLINE TRACK / TOP OF SUB-BALLAST.
5. THIS CROSSING IS DEFINED AS NON-NAVIGABLE.
6. FISH HABITAT RATING IS 'IMPORTANT'.
7. HIGH WATER LEVEL (HWL) = 56.370

   HWL FREEBOARD = 2.032 METERS
8. NORMAL WATER LEVEL (NWL) = 56.260

   NWL FREEBOARD = 2.142 METERS
9. RIP-RAP PROTECTIVE ARMOURING FOR THE ABUTMENTS MAY BE REQUIRED. THE NEED FOR AND THE EXTENT OF THIS PROTECTION WILL BE ASSESSED AND ENGINEERED IN THE FIELD AFTER FILL PLACEMENT HAS BEEN COMPLETED.

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 PURPOSE.

REV	DDMMMYY	REVISION	DR	CHK	APP	APP	APP	APP	ISS	DDMMMYY	APP	ISSUED FOR
1	30SEP11	ISSUED FOR ENVIRONMENTAL IMPACT STATEMENT (EIS)										
0	30SEP08	ISSUED FOR ENVIRONMENTAL IMPACT STATEMENT (EIS)										

REF	NUMBER	TITLE

REFERENCES

STAMP/SEAL

Client Mgr. | Engineering Mgr. | Project Mgr.

PROJECT PHASE: LAND PERMIT APPLICATION

AREA 5200 — RAILWAY MAIN LINE

PROJECT NO. | ACTIVITY NO. | SCALE 1:150 | PACKAGE CODE

	BY	DDMMMYY
DSN	KGW	01AUG11
DRN	RCB	01AUG11
CHK	JAS	01SEPT11
APP		

SUBJECT: CV-123-4 GENERAL PLAN AND ELEVATION

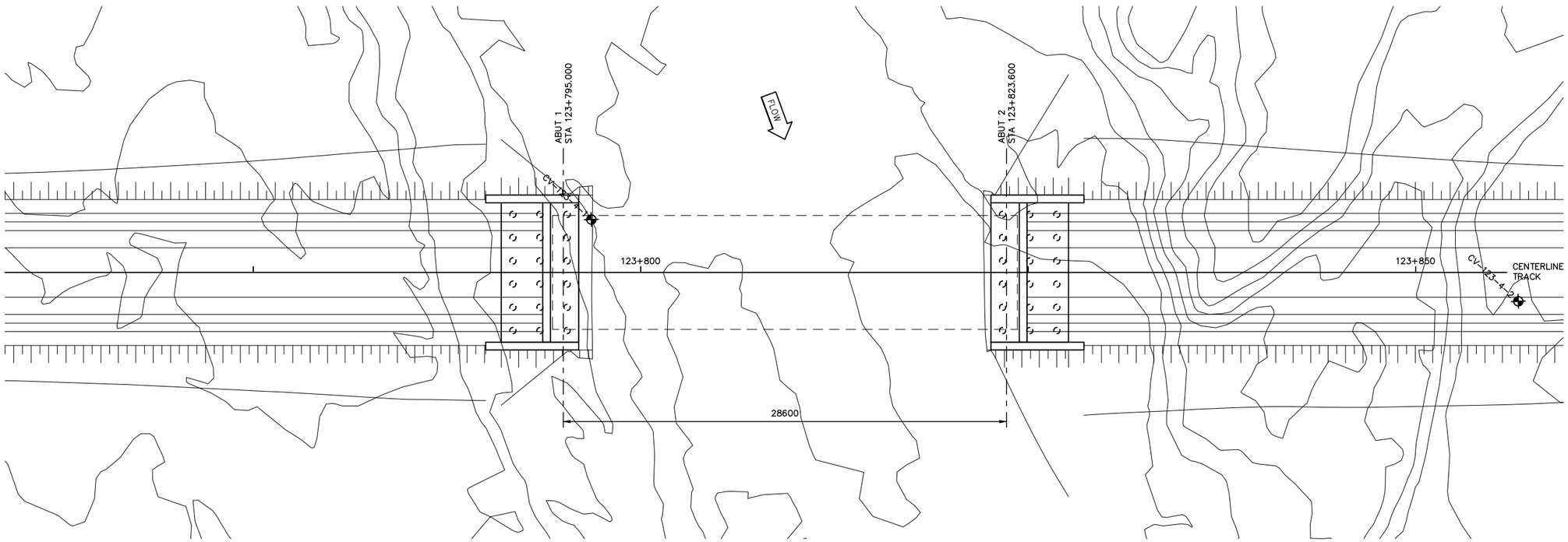
DRAWING NO. A1-159952-5200-122-6224-01

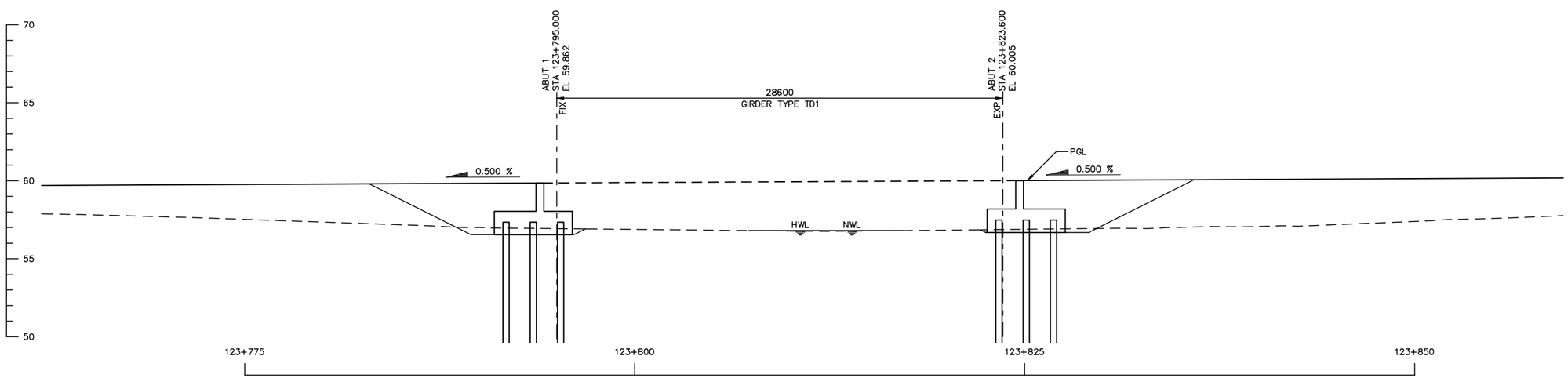
REV.

PROJECT NUMBER 1:150 13R0010

CAD FILE:

SAVED: 19/08/2011 6:52:46 PM PLOTTED: 25-Nov-11 11:02 AM USER: BARNES, RHIANA





LEGEND

APPROXIMATE BOREHOLE LOCATION. SEE GEOTECHNICAL REPORT FOR EXACT LOCATION AND ADDITIONAL INFORMATION.

APPROXIMATE BEDROCK ELEVATION. SEE GEOTECHNICAL REPORT FOR EXACT ELEVATION AND ADDITIONAL INFORMATION.

BOREHOLES

ALL VALUES GIVEN BELOW ARE APPROXIMATE.

BOREHOLE	STATION	OFFSET	BEDROCK ELEV'N
CV-123-4-1	123+797	3 L	30.7

NOTES

1. STRUCTURES SHOWN ON THIS DRAWING ARE SCHEMATIC ONLY. REFER TO DETAIL SHEETS IN OTHER SECTIONS OF THE DRAWING SET FOR MORE INFORMATION.
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REV	DDMMMYY	REVISION	DR	CHK	APP	APP	APP	APP	ISS	DDMMMYY	APP	ISSUED FOR
1	30SEP11	ISSUED FOR ENVIRONMENTAL IMPACT STATEMENT (EIS)										
0	30SEP08	ISSUED FOR ENVIRONMENTAL IMPACT STATEMENT (EIS)										

REF	NUMBER	TITLE

STAMP/SEAL

Client Mgr. Engineering Mgr. Project Mgr.

PROJECT PHASE: LAND PERMIT APPLICATION

PROJECT NO. | ACTIVITY NO. | SCALE: 1:150 | PACKAGE CODE

	BY	DDMMMYY
DSN	KGW	01AUG11
DRN	RCB	01AUG11
CHK	JAS	01SEPT11
APP		

Baffinland Iron Mines Corporation

AREA 5200 | RAILWAY MAIN LINE

SUBJECT: CV-123-4 FOUNDATION LAYOUT

CANARAIL 1:150

PROJECT NUMBER

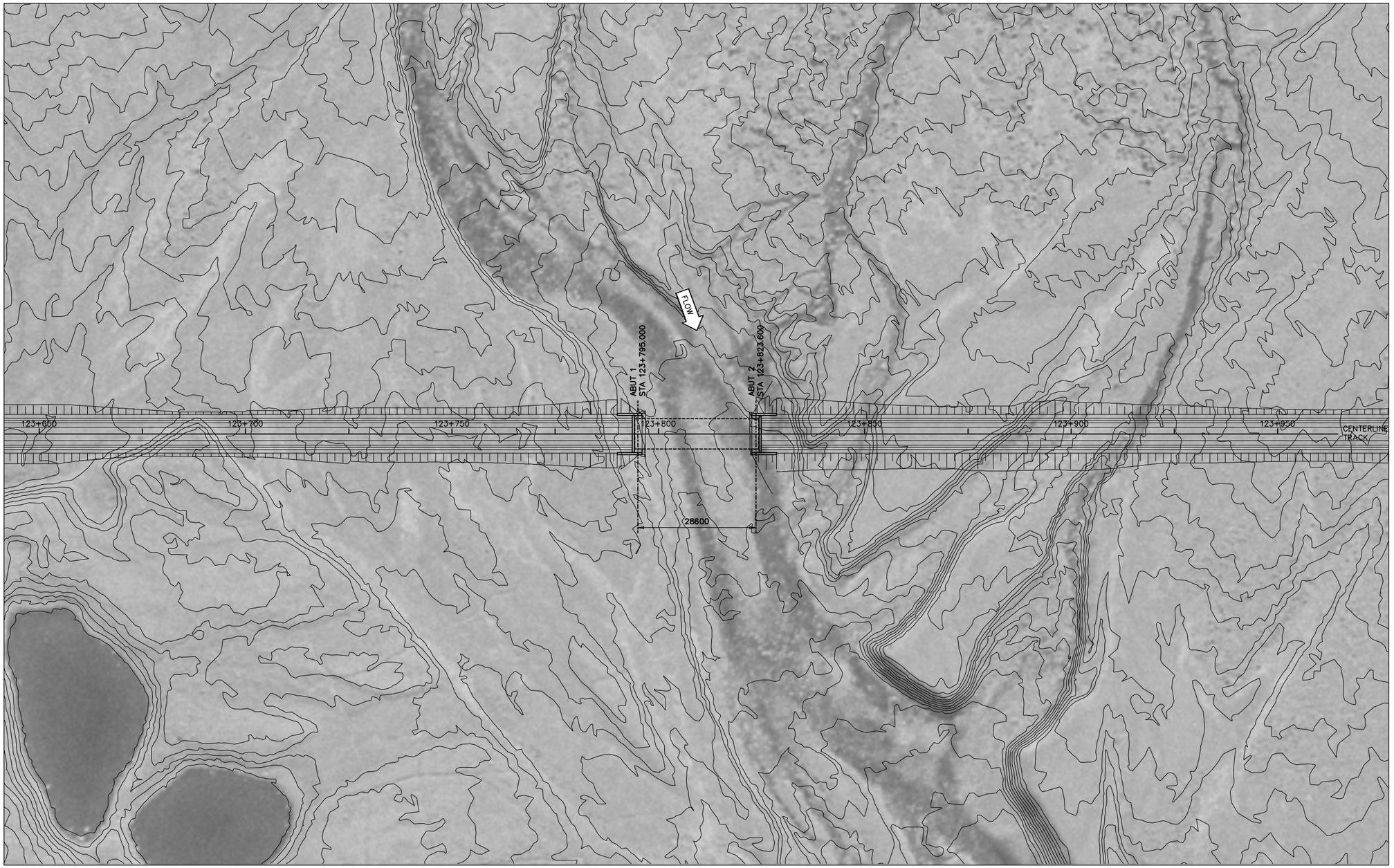
DILLON CONSULTING 1318020

DRAWING NO. A1-159952-5200-122-6224-02

REV.

CAD FILE:

SAVED: 19/08/2011 6:52:46 PM PLOTTED: 25-Nov-11 11:02 AM USER: BARNES, RHIANA



NOTES

1. THIS PHOTO MOSAIC IS PROVIDED FOR GENERAL INFORMATION ONLY AND MAY NOT REFLECT THE CURRENT CONDITION OF THE SITE.
2. STRUCTURES SHOWN ON THIS DRAWING ARE SCHEMATIC ONLY. REFER TO DETAIL SHEETS IN OTHER SECTIONS OF THE DRAWING SET FOR MORE INFORMATION.
3. CONTOURS SHOWN ON THIS DRAWING REPRESENT EXISTING GRADE ONLY.

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REV	DDMMMYY	REVISION	DR	CHK	APP	APP	APP	APP
1	30SEP11	ISSUED FOR ENVIRONMENTAL IMPACT STATEMENT (EIS)						
0	30SEP08	ISSUED FOR ENVIRONMENTAL IMPACT STATEMENT (EIS)						

ISS	DDMMMYY	APP	ISSUED FOR

REF	NUMBER	TITLE

STAMP/SEAL

Client Mgr. Engineering Mgr. Project Mgr.

PROJECT PHASE: LAND PERMIT APPLICATION

AREA: 5200

RAILWAY MAIN LINE

PROJECT NO.	ACTIVITY NO.		BY	DDMMMYY
		DSN	KGW	01AUG11
		DRN	RCB	01AUG11
		CHK	JAS	01SEPT11
		APP		

SCALE: 1:500

PACKAGE CODE

SUBJECT: CV–123–4 PHOTO MOSAIC

PROJECT NUMBER: 1:500 1311080

DRAWING NO.: A1–159952–5200–122–6224–03

REV.

CAD FILE:

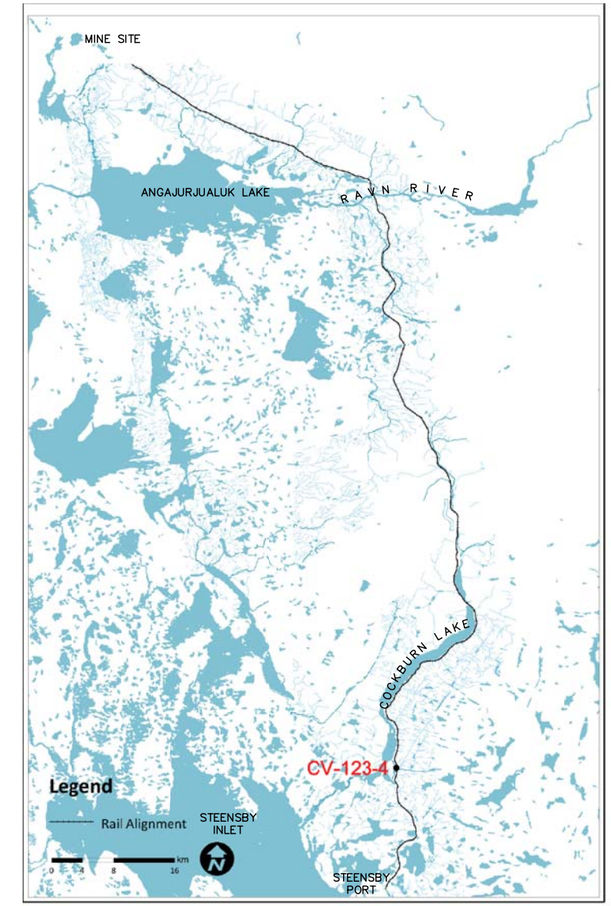
Baffinland Iron Mines Corporation

CANARAIL

DILLON CONSULTING

PLOTTED: 25-Nov-11 10:23 AM USER: MACKENZIE, STEVE

SAVED: 19/08/2011 6:52:46 PM



LOCATION KEY PLAN

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 PURPOSE.

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1	30SEP11	ISSUED FOR ENVIRONMENTAL IMPACT STATEMENT (EIS)										
0	30SEP08	ISSUED FOR ENVIRONMENTAL IMPACT STATEMENT (EIS)										

REF	NUMBER	TITLE

REFERENCES

STAMP/SEAL

Client Mgr. Engineering Mgr. Project Mgr.

PROJECT PHASE: LAND PERMIT APPLICATION

PROJECT NO. | ACTIVITY NO. | SCALE | PACKAGE CODE

	BY	DDMMMYY
DSN	KGW	01AUG11
DRN	RCB	01AUG11
CHK	JAS	01SEPT11
APP		

Baffinland Iron Mines Corporation

AREA 5200 | RAILWAY MAIN LINE

SUBJECT: CV-123-4 SITE PHOTOS

CANARAIL

DILLON CONSULTING

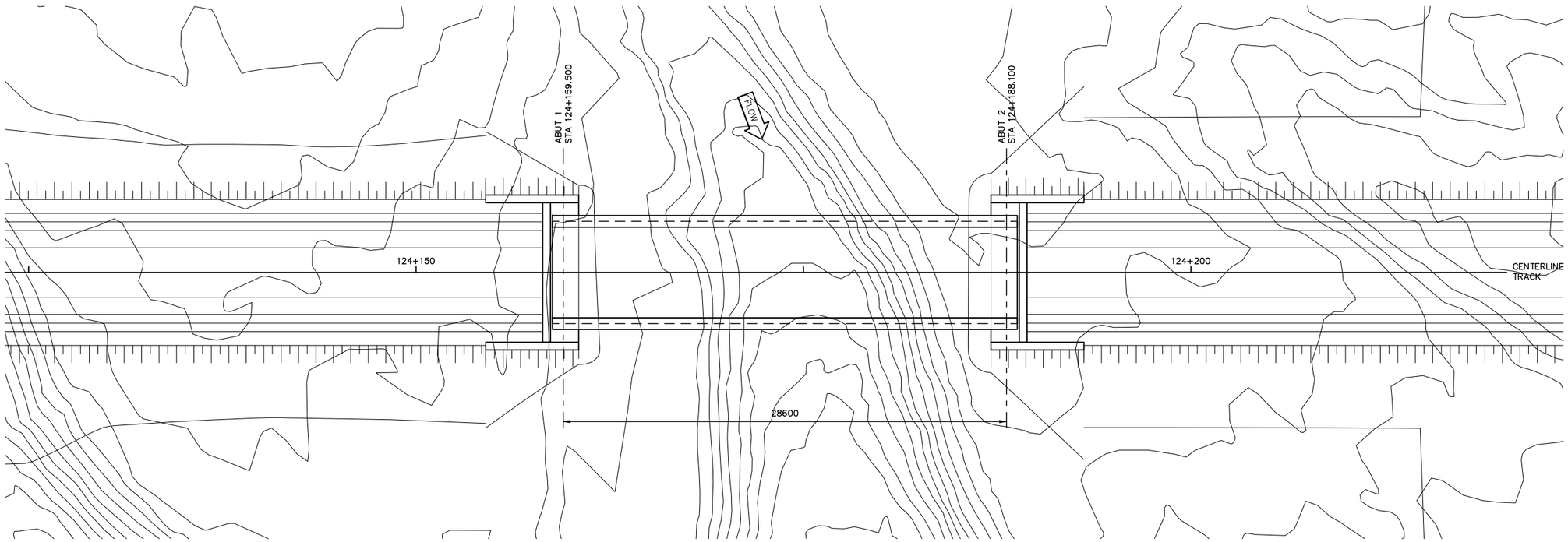
PROJECT NUMBER

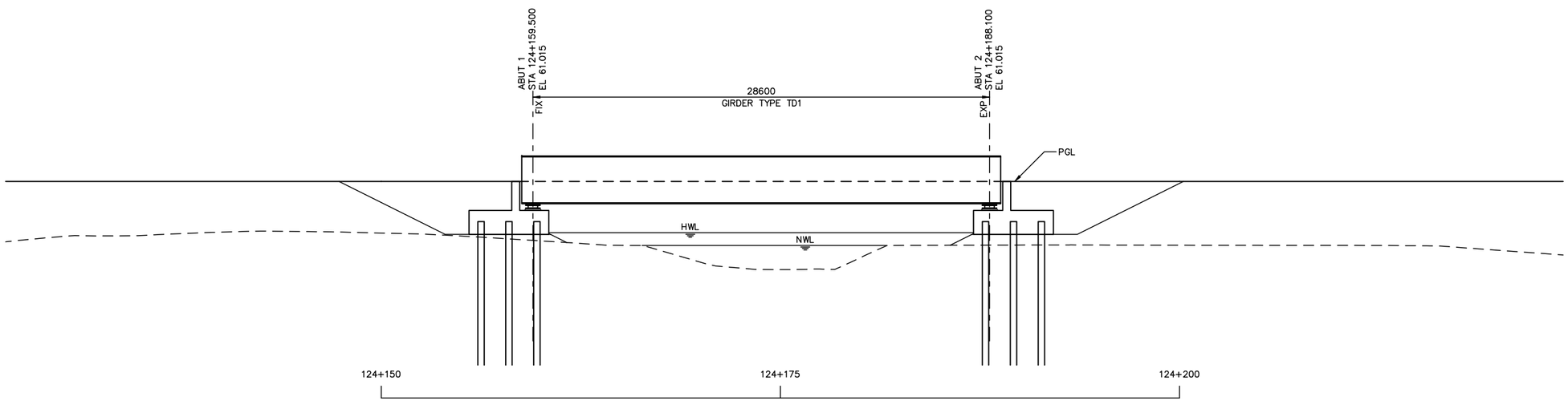
DRAWING NO. A1-159952-5200-122-6224-04

REV.

CAD FILE:

SAVED: 19/08/2011 6:52:46 PM PLOTTED: 25-Nov-11 11:02 AM USER: BARNES, RHIANA





NOTES

1. STRUCTURES SHOWN ON THIS DRAWING ARE SCHEMATIC ONLY. REFER TO DETAIL SHEETS IN OTHER SECTIONS OF THE DRAWING SET FOR MORE INFORMATION.
2. CONTOURS SHOWN ON THIS DRAWING REPRESENT EXISTING GRADE ONLY.
3. THE REFERENCE POINT LOCATING THIS STRUCTURE IS AT THE INTERSECTION BETWEEN THE ALIGNMENT REFERENCE LINE AND THE LOW STATION ABUTMENT BEARING CENTERLINE.

   THIS POINT IS LOCATED AS FOLLOWS:

   STA 124+159.500

   E 598450.022 N 7819311.823 ZONE 17W

   LATITUDE 70°27'36.094" N

   LONGITUDE 78°21'42.809" W
4. ALL DIMENSIONS ARE GIVEN ALONG THE CONTROL LINE UNO. THE CONTROL LINE IS ALSO THE PROFILE GRADE LINE (PGL) AND IS LOCATED AT CENTERLINE TRACK / TOP OF SUB-BALLAST.
5. THE WATERCOURSE CROSSED BY THIS STRUCTURE IS REFERENCED AS NUMBER 192B IN THE REPORT 'FISH HABITAT ASSESSMENTS ALONG THE STEENSBY RAIL CORRIDOR' PREPARED BY KNIGHT PIESOLD CONSULTING AND DATED FEBRUARY 2008.
6. THIS CROSSING IS DEFINED AS NON-NAVIGABLE.
7. FISH HABITAT RATING IS 'IMPORTANT'.
8. HIGH WATER LEVEL (HWL) = 57.800

   HWL FREEBOARD = 1.755 METERS
9. NORMAL WATER LEVEL (NWL) = 57.000

   NWL FREEBOARD = 2.555 METERS
10. RIP-RAP PROTECTIVE ARMOURING FOR THE ABUTMENTS MAY BE REQUIRED. THE NEED FOR AND THE EXTENT OF THIS PROTECTION WILL BE ASSESSED AND ENGINEERED IN THE FIELD AFTER FILL PLACEMENT HAS BEEN COMPLETED.

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 PURPOSE.

REV	DDMMMYY	REVISION	DR	CHK	APP	APP	APP	APP	ISS	DDMMMYY	APP	ISSUED FOR
1	30SEP11	ISSUED FOR ENVIRONMENTAL IMPACT STATEMENT (EIS)										
0	30SEP08	ISSUED FOR ENVIRONMENTAL IMPACT STATEMENT (EIS)										

REF	NUMBER	TITLE

STAMP/SEAL

Client Mgr. Engineering Mgr. Project Mgr.

PROJECT PHASE: LAND PERMIT APPLICATION

PROJECT NO. | ACTIVITY NO. | SCALE: 1:150 | PACKAGE CODE

	BY	DDMMMYY
DSN	KGW	01AUG11
DRN	RCB	01AUG11
CHK	JAS	01SEPT11
APP		

Baffinland Iron Mines Corporation

AREA 5200 — RAILWAY MAIN LINE

SUBJECT: CV-124-2 GENERAL PLAN AND ELEVATION

CANARAIL

PROJECT NUMBER 1:150 1320010

DILLON CONSULTING

DRAWING NO. A1-159952-5200-122-6225-01

REV.

CAD FILE:

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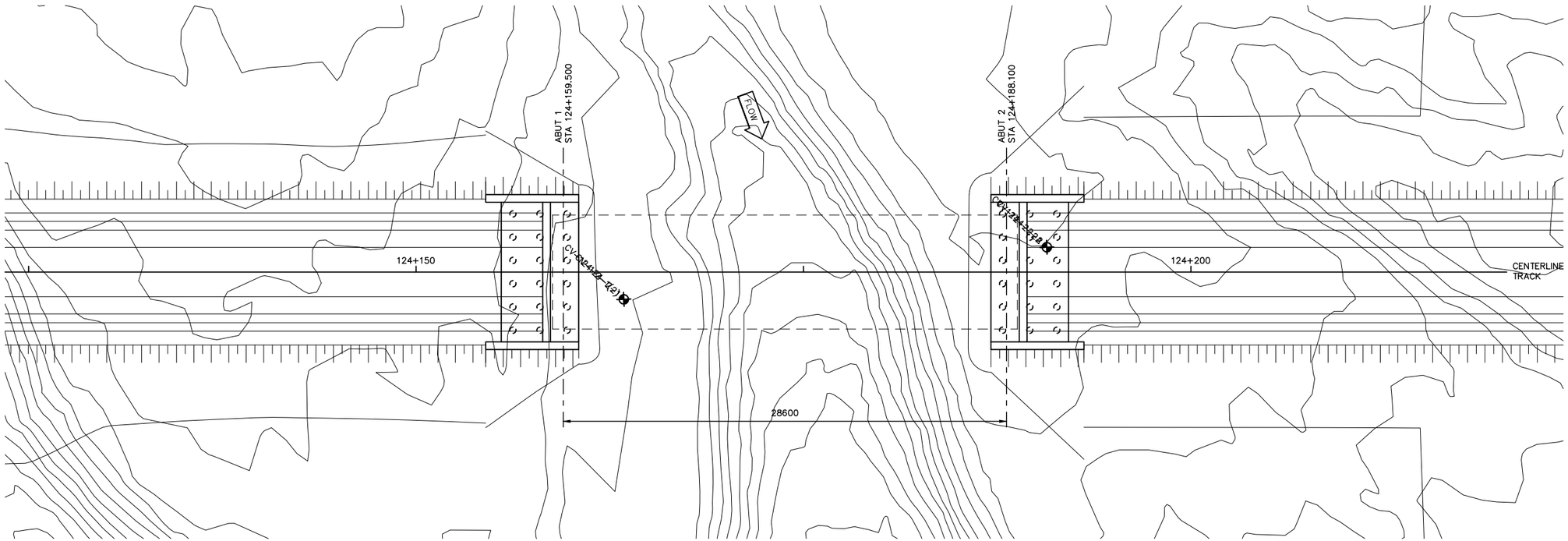

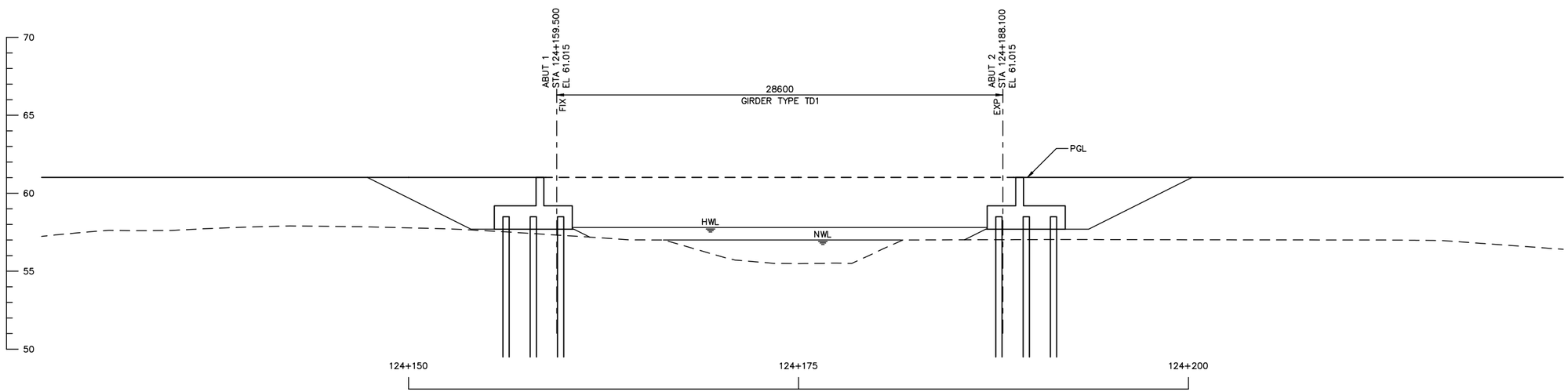

LEGEND

APPROXIMATE BOREHOLE LOCATION. SEE GEOTECHNICAL REPORT FOR EXACT LOCATION AND ADDITIONAL INFORMATION.

APPROXIMATE BEDROCK ELEVATION. SEE GEOTECHNICAL REPORT FOR EXACT ELEVATION AND ADDITIONAL INFORMATION.

BOREHOLES

ALL VALUES GIVEN BELOW ARE APPROXIMATE.

BOREHOLE	STATION	OFFSET	BEDROCK ELEV'N
CV-124-2-1	124+163	2 R	< 39
CV-124-2-1(2)	124+163	2 R	23.4
CV-124-2-2	124+191	2 L	< 42
CV-124-2-2A	124+191	2 L	23.9

NOTES

1. STRUCTURES SHOWN ON THIS DRAWING ARE SCHEMATIC ONLY. REFER TO DETAIL SHEETS IN OTHER SECTIONS OF THE DRAWING SET FOR MORE INFORMATION.
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REV	DDMMMYY	REVISION	DR	CHK	APP	APP	APP	APP	ISS	DDMMMYY	APP	ISSUED FOR
1	30SEP11	ISSUED FOR ENVIRONMENTAL IMPACT STATEMENT (EIS)										
0	30SEP08	ISSUED FOR ENVIRONMENTAL IMPACT STATEMENT (EIS)										

REF	NUMBER	TITLE

REFERENCES

STAMP/SEAL

Client Mgr. Engineering Mgr. Project Mgr.

PROJECT PHASE: LAND PERMIT APPLICATION

AREA 5200

RAILWAY MAIN LINE

PROJECT NUMBER

1:150

1320020

	BY	DDMMMYY
DSN	KGW	01AUG11
DRN	RCB	01AUG11
CHK	JAS	01SEPT11
APP		

PROJECT NO. ACTIVITY NO. SCALE 1:150 PACKAGE CODE

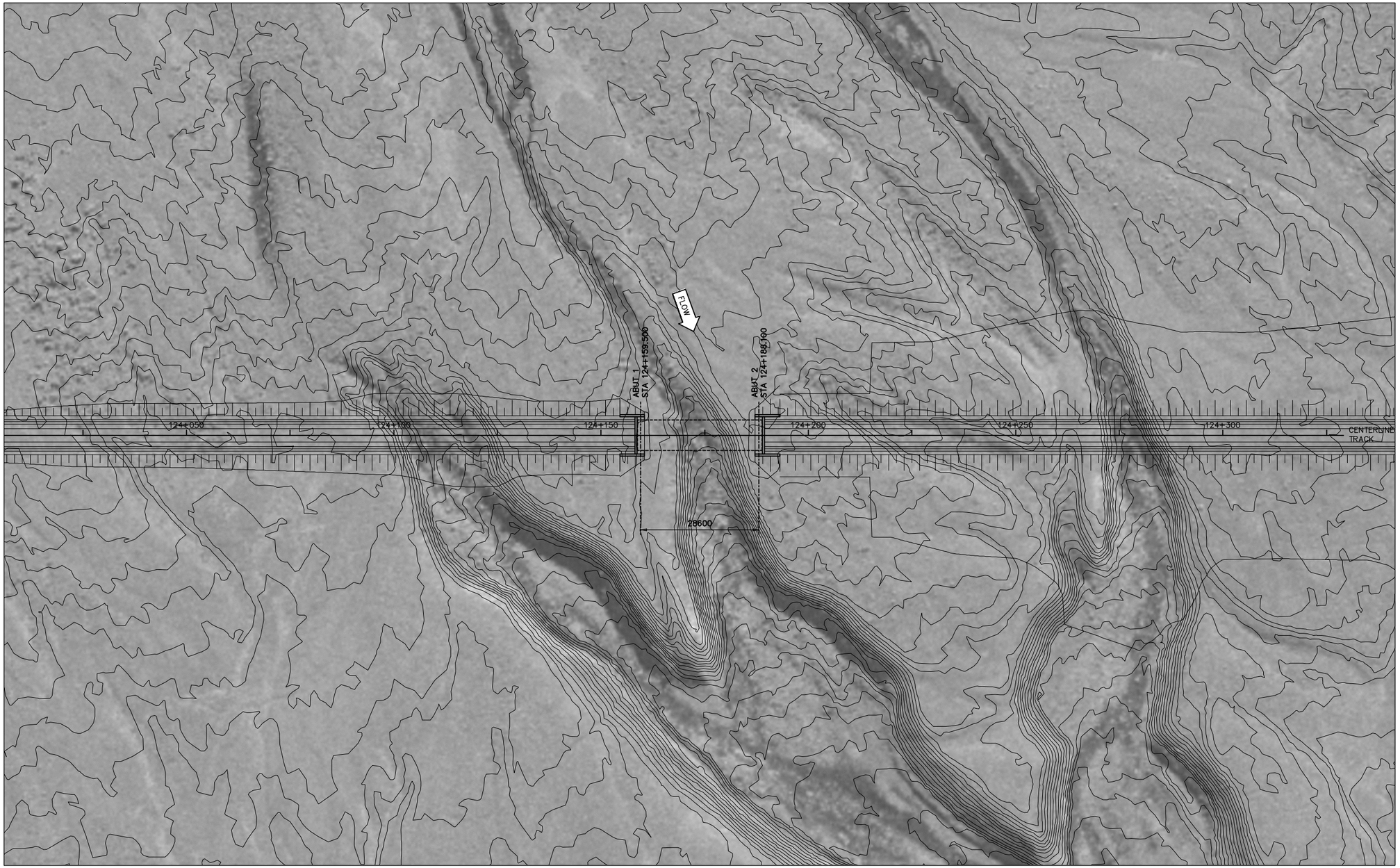
SUBJECT: CV-124-2 FOUNDATION LAYOUT

DRAWING NO. A1-159952-5200-122-6225-02

REV.

CAD FILE:

SAVED: 19/08/2011 6:52:46 PM PLOTTED: 25-Nov-11 11:02 AM USER: BARNES, RHIANA



NOTES

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REV	DDMMMYY	REVISION	DR	CHK	APP	APP	APP	APP
1	30SEP11	ISSUED FOR ENVIRONMENTAL IMPACT STATEMENT (EIS)						
0	30SEP08	ISSUED FOR ENVIRONMENTAL IMPACT STATEMENT (EIS)						

ISS	DDMMMYY	APP	ISSUED FOR

REF	NUMBER	TITLE

REFERENCES

STAMP/SEAL

Client Mgr. Engineering Mgr. Project Mgr.

PROJECT PHASE: LAND PERMIT APPLICATION

AREA: 5200

RAILWAY MAIN LINE

PROJECT NO. | ACTIVITY NO. | PACKAGE CODE

SCALE: 1:500

	BY	DDMMMYY
DSN	KGW	01AUG11
DRN	RCB	01AUG11
CHK	JAS	01SEPT11
APP		

SUBJECT: CV–124–2 PHOTO MOSAIC

DRAWING NO.: A1–159952–5200–122–6225–03

REV.

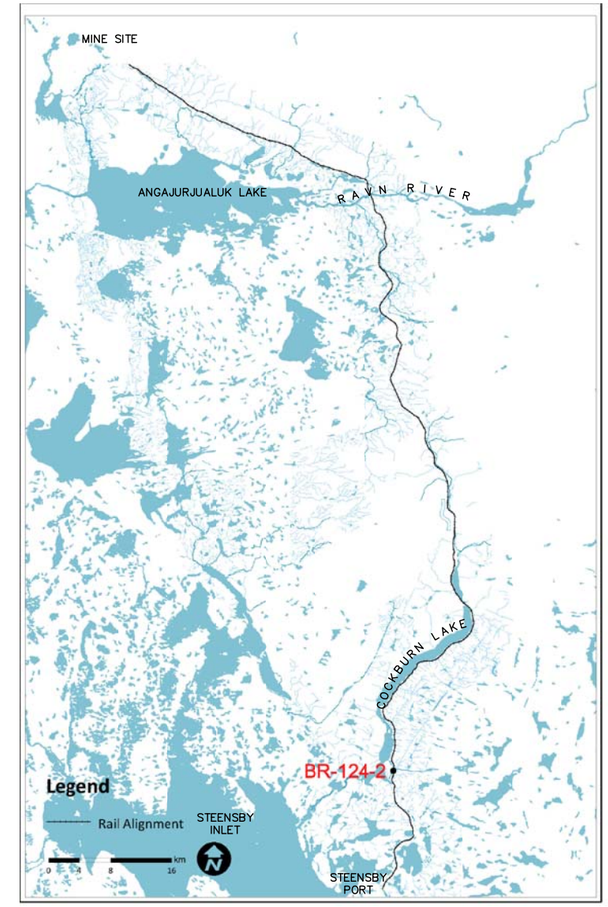
PROJECT NUMBER

1:500

1320080

CAD FILE:

SAVED: 19/08/2011 6:52:46 PM 6:52 PM PLOTTED: 25-Nov-11 10:24 AM USER: MACKENZIE, STEVE



LOCATION KEY PLAN

NOTES

1. THE WATERCOURSE CROSSED BY THIS STRUCTURE IS REFERENCED AS NUMBER 192B IN THE REPORT 'FISH HABITAT ASSESSMENTS ALONG THE STEENSBY RAIL CORRIDOR' PREPARED BY KNIGHT PIESOLD CONSULTING AND DATED FEBRUARY 2008.

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1	30SEP11	ISSUED FOR ENVIRONMENTAL IMPACT STATEMENT (EIS)										
0	30SEP08	ISSUED FOR ENVIRONMENTAL IMPACT STATEMENT (EIS)										

REF	NUMBER	TITLE

STAMP/SEAL

Client Mgr. Engineering Mgr. Project Mgr.

PROJECT PHASE: LAND PERMIT APPLICATION

PROJECT NO. | ACTIVITY NO. | SCALE | PACKAGE CODE

	BY	DDMMMYY
DSN	KGW	01AUG11
DRN	RCB	01AUG11
CHK	JAS	01SEPT11
APP		

Baffinland Iron Mines Corporation

AREA 5200 — RAILWAY MAIN LINE

SUBJECT: CV-124-2 SITE PHOTOS

CANARAIL

DILLON CONSULTING 13200070

PROJECT NUMBER

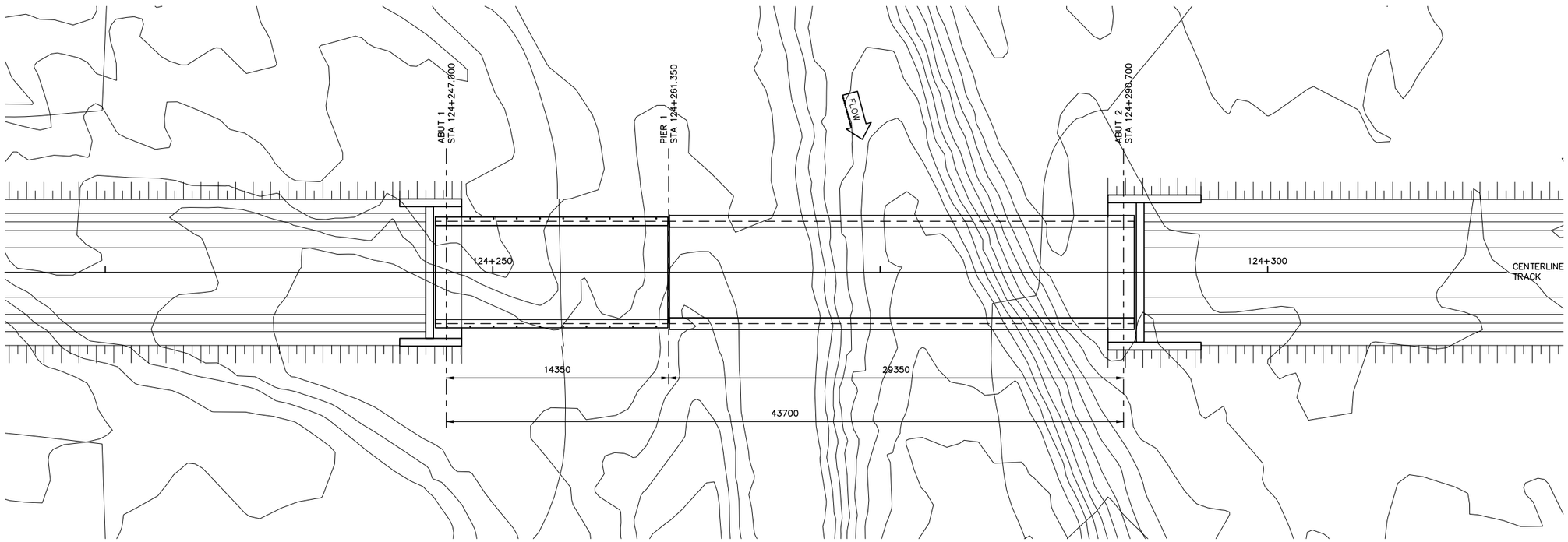
DRAWING NO. A1-159952-5200-122-6225-04

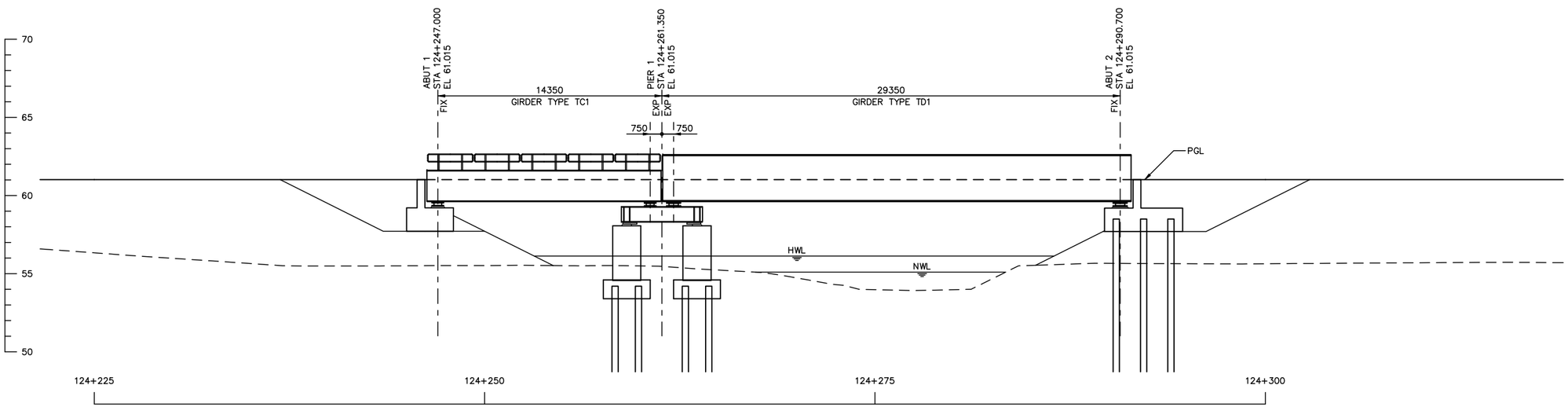
REV.

CAD FILE:

PLOTTED: 25-Nov-11 11:02 AM USER: BARNES, RHIANA

SAVED: 19/08/2011 6:52:46 PM





NOTES

1. STRUCTURES SHOWN ON THIS DRAWING ARE SCHEMATIC ONLY. REFER TO DETAIL SHEETS IN OTHER SECTIONS OF THE DRAWING SET FOR MORE INFORMATION.
2. CONTOURS SHOWN ON THIS DRAWING REPRESENT EXISTING GRADE ONLY.
3. THE REFERENCE POINT LOCATING THIS STRUCTURE IS AT THE INTERSECTION BETWEEN THE ALIGNMENT REFERENCE LINE AND THE LOW STATION ABUTMENT BEARING CENTERLINE.

   THIS POINT IS LOCATED AS FOLLOWS:

   STA 124+247.000

   E 598446.634 N 7819224.388 ZONE 17W

   LATITUDE 70°27'33.280" N

   LONGITUDE 78°21'43.502" W
4. ALL DIMENSIONS ARE GIVEN ALONG THE CONTROL LINE UNO. THE CONTROL LINE IS ALSO THE PROFILE GRADE LINE (PGL) AND IS LOCATED AT CENTERLINE TRACK / TOP OF SUB-BALLAST.
5. THIS CROSSING IS DEFINED AS NON-NAVIGABLE.
6. FISH HABITAT RATING IS 'IMPORTANT'.
7. HIGH WATER LEVEL (HWL) = 56.130

   HWL FREEBOARD = 3.425 METERS
8. NORMAL WATER LEVEL (NWL) = 55.100

   NWL FREEBOARD = 4.455 METERS
9. RIP-RAP PROTECTIVE ARMOURING FOR THE ABUTMENTS MAY BE REQUIRED. THE NEED FOR AND THE EXTENT OF THIS PROTECTION WILL BE ASSESSED AND ENGINEERED IN THE FIELD AFTER FILL PLACEMENT HAS BEEN COMPLETED.

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 PURPOSE.

REV	DDMMMYY	REVISION	DR	CHK	APP	APP	APP	APP	ISS	DDMMMYY	APP	ISSUED FOR
1	30SEP11	ISSUED FOR ENVIRONMENTAL IMPACT STATEMENT (EIS)										
0	30SEP08	ISSUED FOR ENVIRONMENTAL IMPACT STATEMENT (EIS)										

REF	NUMBER	TITLE

REFERENCES

STAMP/SEAL

Client Mgr. | Engineering Mgr. | Project Mgr.

PROJECT PHASE: LAND PERMIT APPLICATION

AREA 5200

RAILWAY MAIN LINE

Baffinland Iron Mines Corporation

CANARAIL

DILLON CONSULTING

PROJECT NUMBER 1:150 1325010

PROJECT NO.	ACTIVITY NO.		BY	DDMMMYY
		DSN	KGW	01AUG11
		DRN	RCB	01AUG11
SCALE 1:150	PACKAGE CODE	CHK	JAS	01SEPT11
		APP		

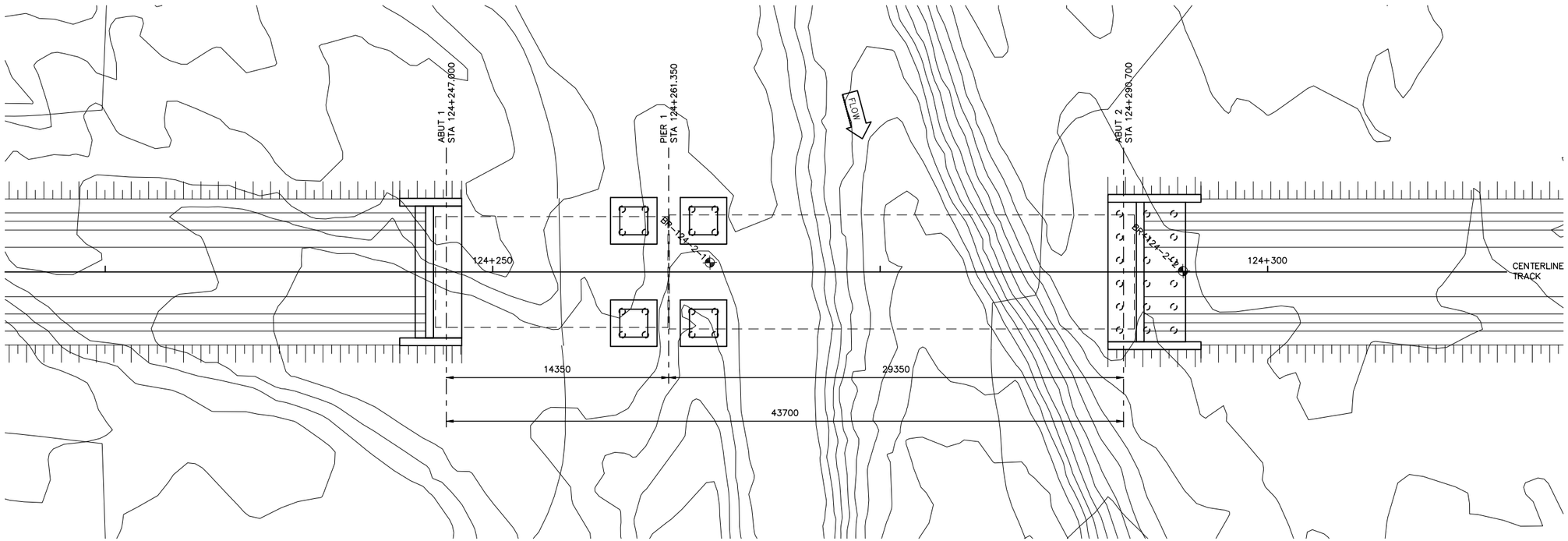
SUBJECT: BR-124-2 GENERAL PLAN AND ELEVATION

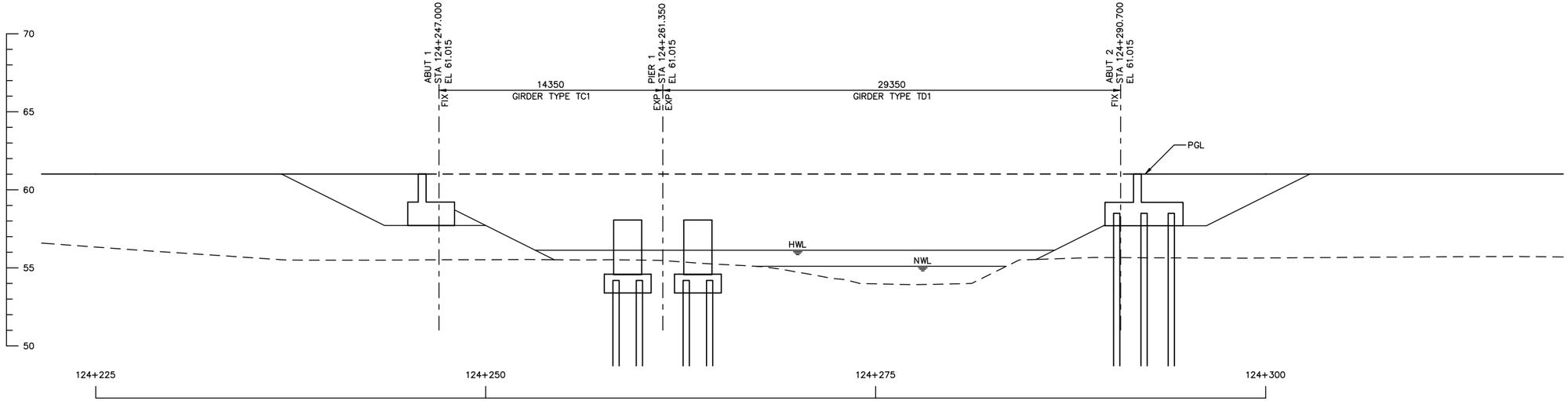
DRAWING NO. A1-159952-5200-122-6226-01

REV.

CAD FILE:

SAVED: 19/08/2011 6:52:46 PM PLOTTED: 25-Nov-11 11:02 AM USER: BARNES, RHIANA





LEGEND

APPROXIMATE BOREHOLE LOCATION. SEE GEOTECHNICAL REPORT FOR EXACT LOCATION AND ADDITIONAL INFORMATION.

APPROXIMATE BEDROCK ELEVATION. SEE GEOTECHNICAL REPORT FOR EXACT ELEVATION AND ADDITIONAL INFORMATION.

BOREHOLES

ALL VALUES GIVEN BELOW ARE APPROXIMATE.

BOREHOLE	STATION	OFFSET	BEDROCK ELEV'N
BR-124-2-1	124+264	1 L	14.7
BR-124-2-2	124+295	0 R	13.3

NOTES

1. STRUCTURES SHOWN ON THIS DRAWING ARE SCHEMATIC ONLY. REFER TO DETAIL SHEETS IN OTHER SECTIONS OF THE DRAWING SET FOR MORE INFORMATION.
2. CONTOURS SHOWN ON THIS DRAWING REPRESENT EXISTING GRADE ONLY.

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 PURPOSE.

REV	DDMMMYY	REVISION	DR	CHK	APP	APP	APP	APP	ISS	DDMMMYY	APP	ISSUED FOR
1	30SEP11	ISSUED FOR ENVIRONMENTAL IMPACT STATEMENT (EIS)										
0	30SEP08	ISSUED FOR ENVIRONMENTAL IMPACT STATEMENT (EIS)										

REF	NUMBER	TITLE

REFERENCES

STAMP/SEAL

Client Mgr. Engineering Mgr. Project Mgr.

PROJECT PHASE: LAND PERMIT APPLICATION

AREA 5200

RAILWAY MAIN LINE

PROJECT NO. | ACTIVITY NO. | SCALE 1:150 | PACKAGE CODE

	BY	DDMMMYY
DSN	KGW	01AUG11
DRN	RCB	01AUG11
CHK	JAS	01SEPT11
APP		

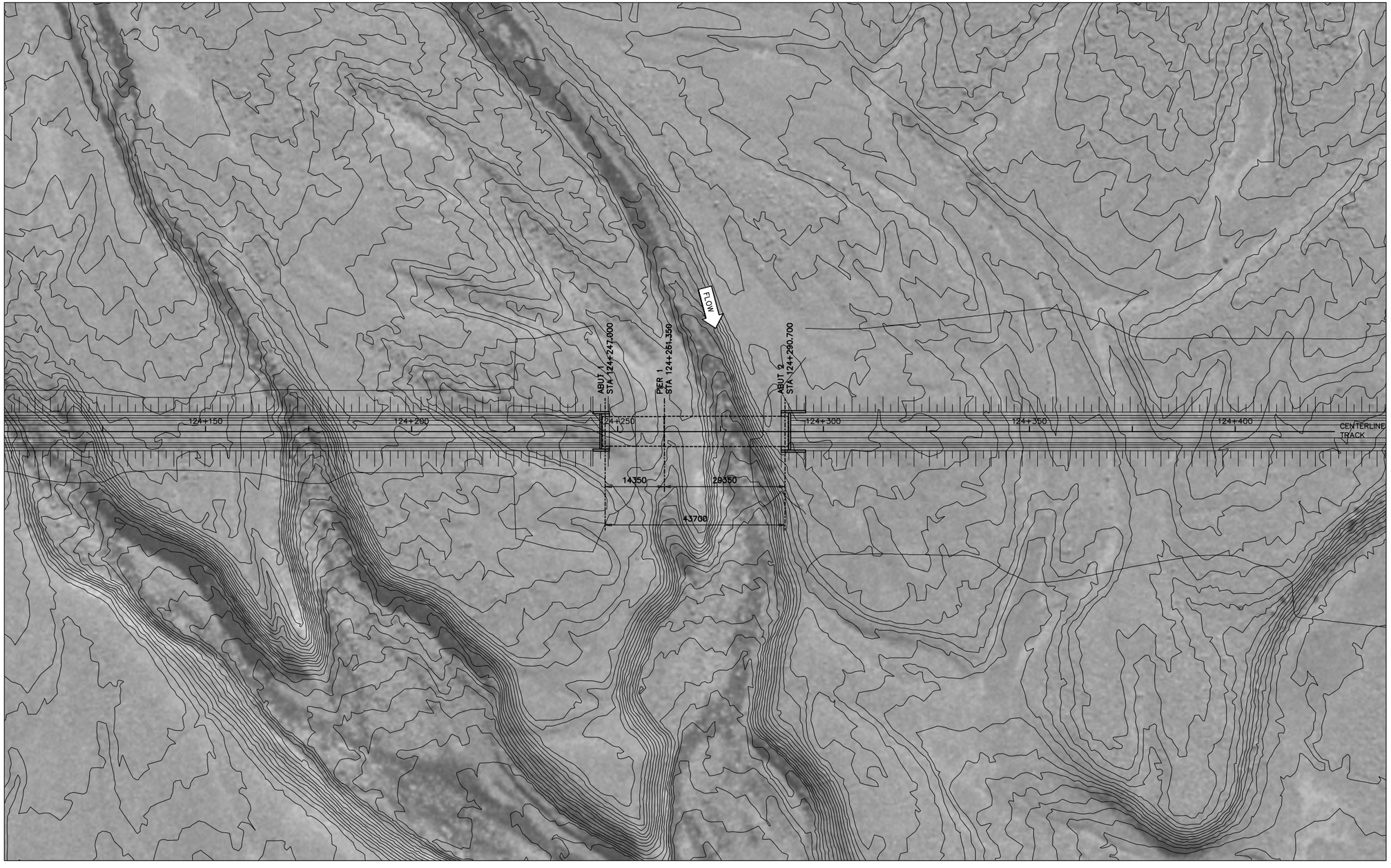
SUBJECT: BR-124-2 FOUNDATION LAYOUT

PROJECT NUMBER 1:150 1328020

DRAWING NO. A1-159952-5200-122-6226-02

REV.

CAD FILE:



NOTES

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REV	DDMMMYY	REVISION	DR	CHK	APP	APP	APP	APP
1	30SEP11	ISSUED FOR ENVIRONMENTAL IMPACT STATEMENT (EIS)						
0	30SEP08	ISSUED FOR ENVIRONMENTAL IMPACT STATEMENT (EIS)						

ISS	DDMMMYY	APP	ISSUED FOR

REF	NUMBER	TITLE

REFERENCES

STAMP/SEAL

Client Mgr. Engineering Mgr. Project Mgr.

PROJECT PHASE: LAND PERMIT APPLICATION

AREA: 5200

RAILWAY MAIN LINE

PROJECT NO. | ACTIVITY NO. | SCALE: 1:500 | PACKAGE CODE

	BY	DDMMMYY
DSN	KGW	01AUG11
DRN	RCB	01AUG11
CHK	JAS	01SEPT11
APP		

SUBJECT: BR-124-2 PHOTO MOSAIC

PROJECT NUMBER 1:500

DRAWING NO. A1-159952-5200-122-6226-03

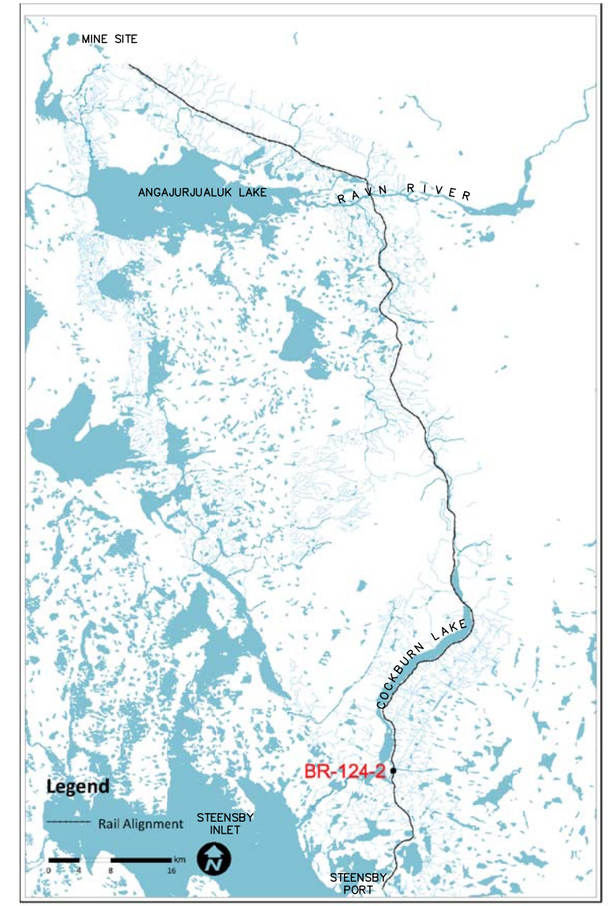
REV.

CAD FILE:

Baffinland Iron Mines Corporation

CANARAIL

DILLON CONSULTING 132808D



LOCATION KEY PLAN

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 PURPOSE.

REV	DDMMMYY	REVISION	DR	CHK	APP	APP	APP	APP	ISS	DDMMMYY	APP	ISSUED FOR
1	30SEP11	ISSUED FOR ENVIRONMENTAL IMPACT STATEMENT (EIS)										
0	30SEP08	ISSUED FOR ENVIRONMENTAL IMPACT STATEMENT (EIS)										

REF	NUMBER	TITLE

STAMP/SEAL

Client Mgr. Engineering Mgr. Project Mgr.

PROJECT PHASE: LAND PERMIT APPLICATION

AREA: 5200

RAILWAY MAIN LINE

Baffinland Iron Mines Corporation

CANARAIL

DILLON CONSULTING

PROJECT NUMBER

PROJECT NO.	ACTIVITY NO.		BY	DDMMMYY
		DSN	KGW	01AUG11
		DRN	RCB	01AUG11
SCALE	PACKAGE CODE	CHK	JAS	01SEPT11
		APP		

SUBJECT: BR-124-2 SITE PHOTOS

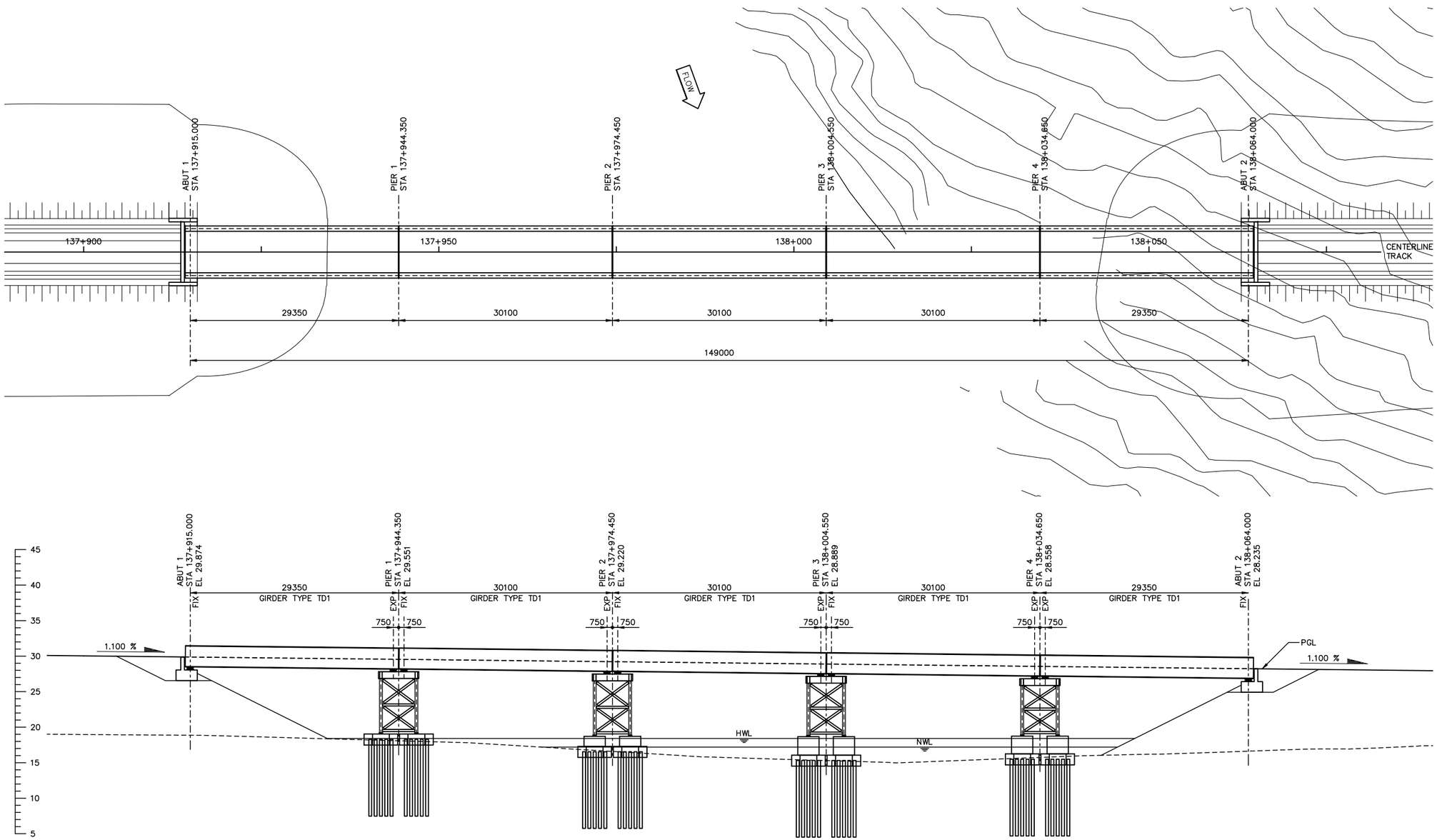
DRAWING NO.: A1-159952-5200-122-6226-04

REV.

CAD FILE:

PLOTTED: 25-Nov-11 11:03 AM USER: BARNES, RHIANA

SAVED: 19/08/2011 6:52:46 PM



NOTES

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2. CONTOURS SHOWN ON THIS DRAWING REPRESENT EXISTING GRADE ONLY.
3. THE REFERENCE POINT LOCATING THIS STRUCTURE IS AT THE INTERSECTION BETWEEN THE ALIGNMENT REFERENCE LINE AND THE LOW STATION ABUTMENT BEARING CENTERLINE.

   THIS POINT IS LOCATED AS FOLLOWS:

   STA 137+915.000

   E 598655.257 N 7808018.073 ZONE 17W

   LATITUDE 70°21'31.625" N

   LONGITUDE 78°22'10.132" W
4. ALL DIMENSIONS ARE GIVEN ALONG THE CONTROL LINE UNO. THE CONTROL LINE IS ALSO THE PROFILE GRADE LINE (PGL) AND IS LOCATED AT CENTERLINE TRACK / TOP OF SUB-BALLAST.
5. THE WATERCOURSE CROSSED BY THIS STRUCTURE IS REFERENCED AS NUMBER 211 IN THE REPORT 'FISH HABITAT ASSESSMENTS ALONG THE STEENSBY RAIL CORRIDOR' PREPARED BY KNIGHT PIESOLD CONSULTING AND DATED FEBRUARY 2008.
6. THIS CROSSING IS DEFINED AS NON-NAVIGABLE.
7. FISH HABITAT RATING IS 'IMPORTANT'.
8. HIGH WATER LEVEL (HWL) = 18.410

   HWL FREEBOARD = 8.365 METERS
9. NORMAL WATER LEVEL (NWL) = 17.200

   NWL FREEBOARD = 9.575 METERS
10. RIP-RAP PROTECTIVE ARMOURING FOR THE ABUTMENTS IS NOT EXPECTED TO BE REQUIRED. THE NEED FOR AND THE EXTENT OF THIS PROTECTION WILL BE ASSESSED AND ENGINEERED IN THE FIELD AFTER FILL PLACEMENT HAS BEEN COMPLETED.

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REV	DDMMMYY	REVISION	DR	CHK	APP	APP	APP	APP	ISS	DDMMMYY	APP	ISSUED FOR
1	30SEP11	ISSUED FOR ENVIRONMENTAL IMPACT STATEMENT (EIS)										
0	30SEP08	ISSUED FOR ENVIRONMENTAL IMPACT STATEMENT (EIS)										

REF	NUMBER	TITLE

STAMP/SEAL

Client Mgr. Engineering Mgr. Project Mgr.

PROJECT PHASE: LAND PERMIT APPLICATION

PROJECT NO. | ACTIVITY NO. | SCALE: 1:300 | PACKAGE CODE

	BY	DDMMMYY
DSN	KGW	01AUG11
DRN	RCB	01AUG11
CHK	JAS	01SEPT11
APP		

Baffinland Iron Mines Corporation

AREA 5200 — RAILWAY MAIN LINE

SUBJECT: BR-137-1 GENERAL PLAN AND ELEVATION

CANARAIL

DILLON CONSULTING

PROJECT NUMBER 1340010

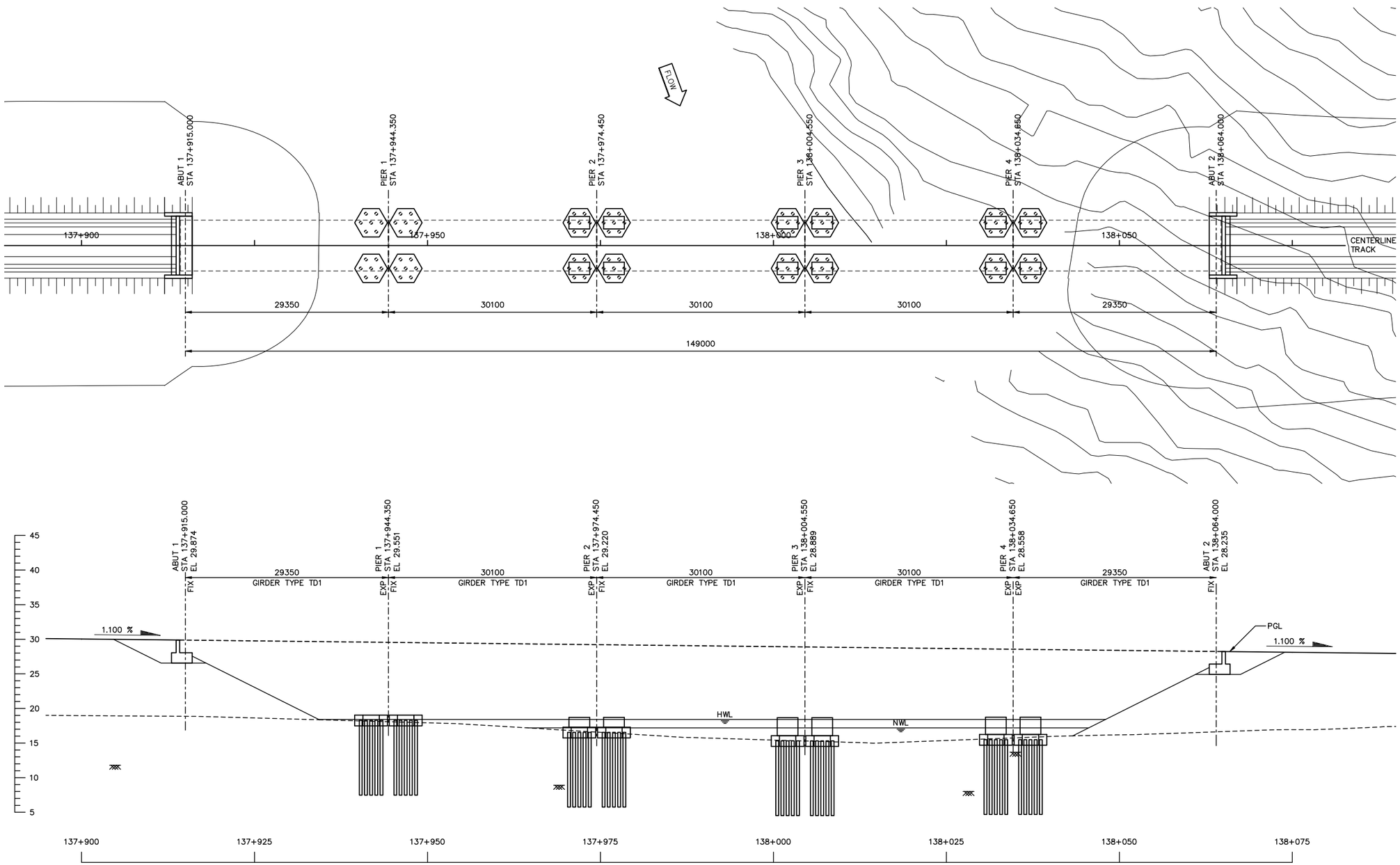
DRAWING NO. A1-159952-5200-122-6227-01

REV.

CAD FILE:

PLOTTED: 25-Nov-11 11:03 AM USER: BARNES, RHIANA

SAVED: 19/08/2011 6:52:46 PM



LEGEND

APPROXIMATE BOREHOLE LOCATION. SEE GEOTECHNICAL REPORT FOR EXACT LOCATION AND ADDITIONAL INFORMATION.

APPROXIMATE BEDROCK ELEVATION. SEE GEOTECHNICAL REPORT FOR EXACT ELEVATION AND ADDITIONAL INFORMATION.

BOREHOLES

ALL VALUES GIVEN BELOW ARE APPROXIMATE.

BOREHOLE	STATION	OFFSET	BEDROCK ELEV'N
BH3-2008-174	137+905	20 R	11.8
BH3-2008-175	137+969	16 R	8.9
BH3-2008-176	138+028	21 R	8.0
BR-137-1-5	138+035	0 R	13.7

NOTES

1. STRUCTURES SHOWN ON THIS DRAWING ARE SCHEMATIC ONLY. REFER TO DETAIL SHEETS IN OTHER SECTIONS OF THE DRAWING SET FOR MORE INFORMATION.
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REV	DDMMMYY	REVISION	DR	CHK	APP	APP	APP	APP	ISS	DDMMMYY	APP	ISSUED FOR
1	30SEP11	ISSUED FOR ENVIRONMENTAL IMPACT STATEMENT (EIS)										
0	30SEP08	ISSUED FOR ENVIRONMENTAL IMPACT STATEMENT (EIS)										

REF	NUMBER	TITLE

STAMP/SEAL

Client Mgr. Engineering Mgr. Project Mgr.

PROJECT PHASE: LAND PERMIT APPLICATION

PROJECT NO. | ACTIVITY NO.

SCALE: 1:300 | PACKAGE CODE

	BY	DDMMMYY
DSN	KGW	01AUG11
DRN	RCB	01AUG11
CHK	JAS	01SEPT11
APP		

Baffinland Iron Mines Corporation

AREA 5200 | RAILWAY MAIN LINE

SUBJECT: BR-137-1 FOUNDATION LAYOUT

CANARAIL

DILLON CONSULTING

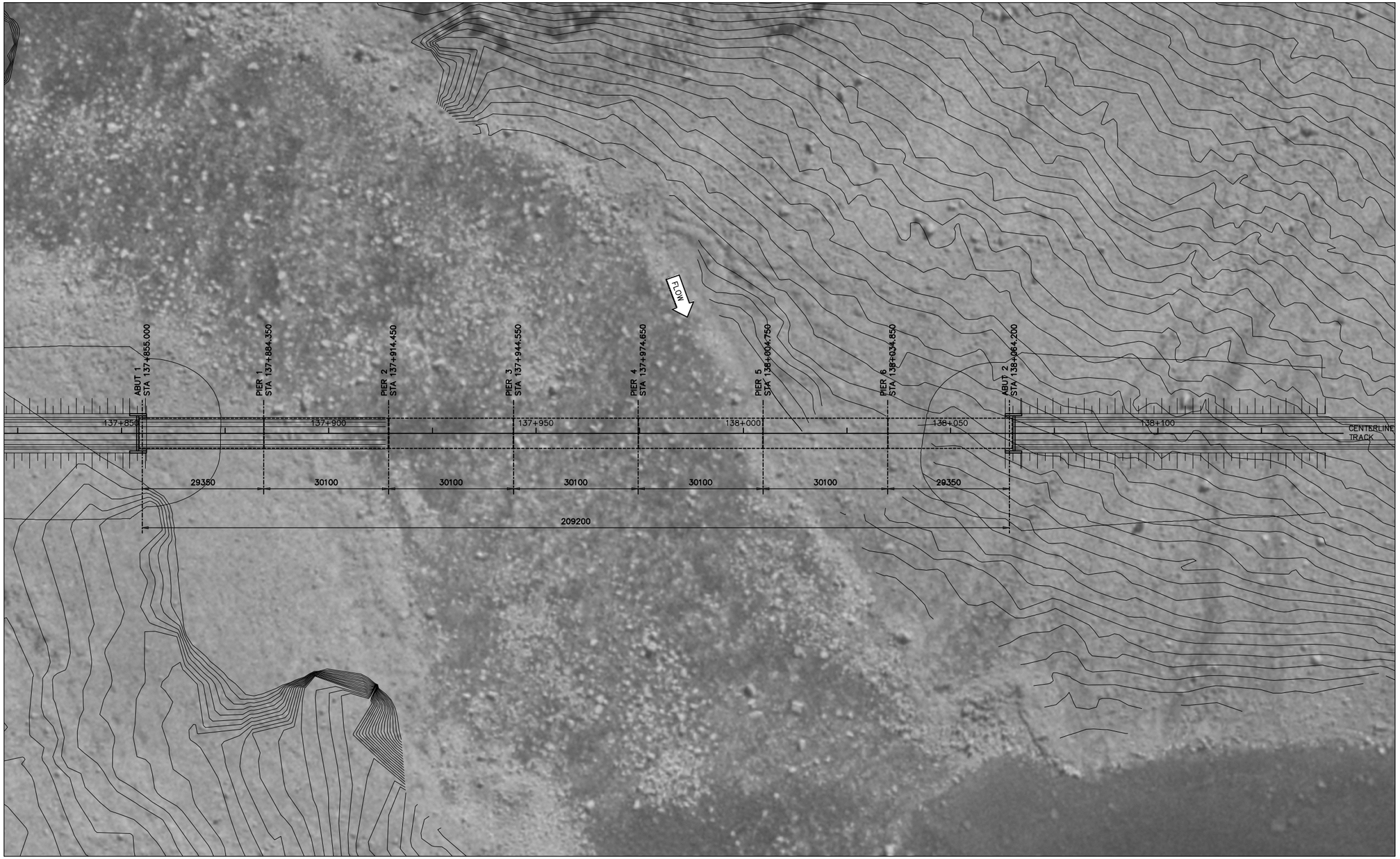
PROJECT NUMBER 1:300 1340020

DRAWING NO. A1-159952-5200-122-6227-02

REV.

CAD FILE:

SAVED: 19/08/2011 6:52:46 PM PLOTTED: 25-Nov-11 11:03 AM USER: BARNES, RHIANA



NOTES

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REV	DDMMMYY	REVISION	DR	CHK	APP	APP	APP	APP	ISS	DDMMMYY	APP	ISSUED FOR
1	30SEP11	ISSUED FOR ENVIRONMENTAL IMPACT STATEMENT (EIS)										
0	30SEP08	ISSUED FOR ENVIRONMENTAL IMPACT STATEMENT (EIS)										

REF	NUMBER	TITLE

STAMP/SEAL

Client Mgr. | Engineering Mgr. | Project Mgr.

PROJECT PHASE: LAND PERMIT APPLICATION

PROJECT NO. | ACTIVITY NO. | PACKAGE CODE

SCALE: 1:500

	BY	DDMMMYY
DSN	KGW	01AUG11
DRN	RCB	01AUG11
CHK	JAS	01SEPT11
APP		

Baffinland Iron Mines Corporation

AREA: 5200

SUBJECT: RAILWAY MAIN LINE

BR–137–1
PHOTO MOSAIC

CANARAIL

PROJECT NUMBER: 1340080

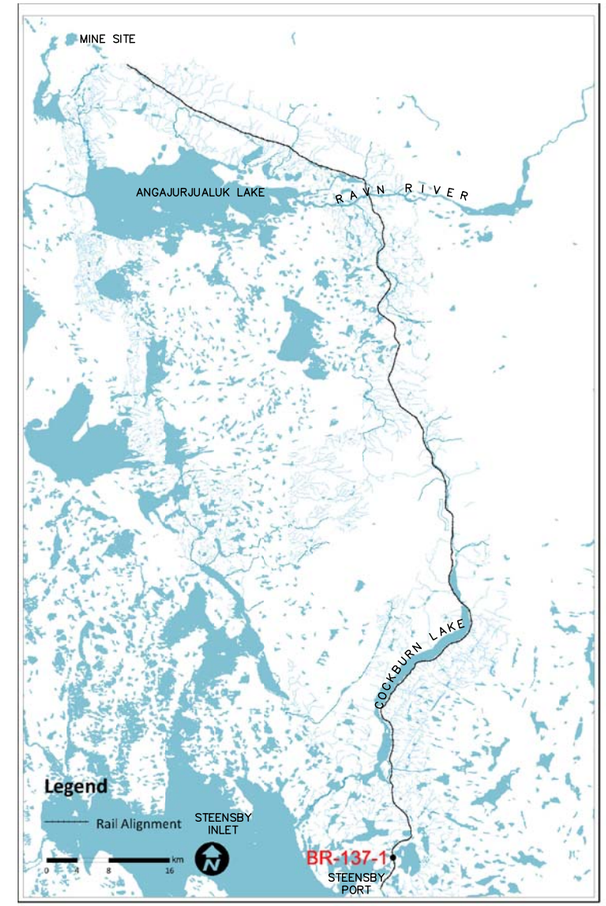
DILLON CONSULTING

DRAWING NO.: A1–159952–5200–122–6227–03

REV.

CAD FILE:

USER: MACKENZIE, STEVE
PLOTTED: 25-Nov-11 9:46 AM
SAVED: 19/08/2011 6:52:46 PM 6:52 PM



LOCATION KEY PLAN

NOTES

1. THE WATERCOURSE CROSSED BY THIS STRUCTURE IS REFERENCED AS NUMBER 211 IN THE REPORT 'FISH HABITAT ASSESSMENTS ALONG THE STEENSBY RAIL CORRIDOR' PREPARED BY KNIGHT PIESOLD CONSULTING AND DATED FEBRUARY 2008.

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 PURPOSE.

REV	DDMMMYY	REVISION	DR	CHK	APP	APP	APP	APP	ISS	DDMMMYY	APP	ISSUED FOR
1	30SEP11	ISSUED FOR ENVIRONMENTAL IMPACT STATEMENT (EIS)										
0	30SEP08	ISSUED FOR ENVIRONMENTAL IMPACT STATEMENT (EIS)										

REF	NUMBER	TITLE

REFERENCES

STAMP/SEAL

Client Mgr. | Engineering Mgr. | Project Mgr.

PROJECT PHASE: LAND PERMIT APPLICATION

AREA 5200

RAILWAY MAIN LINE

PROJECT NO. | ACTIVITY NO.

	BY	DDMMMYY
DSN	KGW	01AUG11
DRN	RCB	01AUG11
CHK	JAS	01SEPT11
APP		

SCALE | PACKAGE CODE

SUBJECT: BR-137-1 SITE PHOTOS

Baffinland Iron Mines Corporation

CANARAIL

DILLON CONSULTING

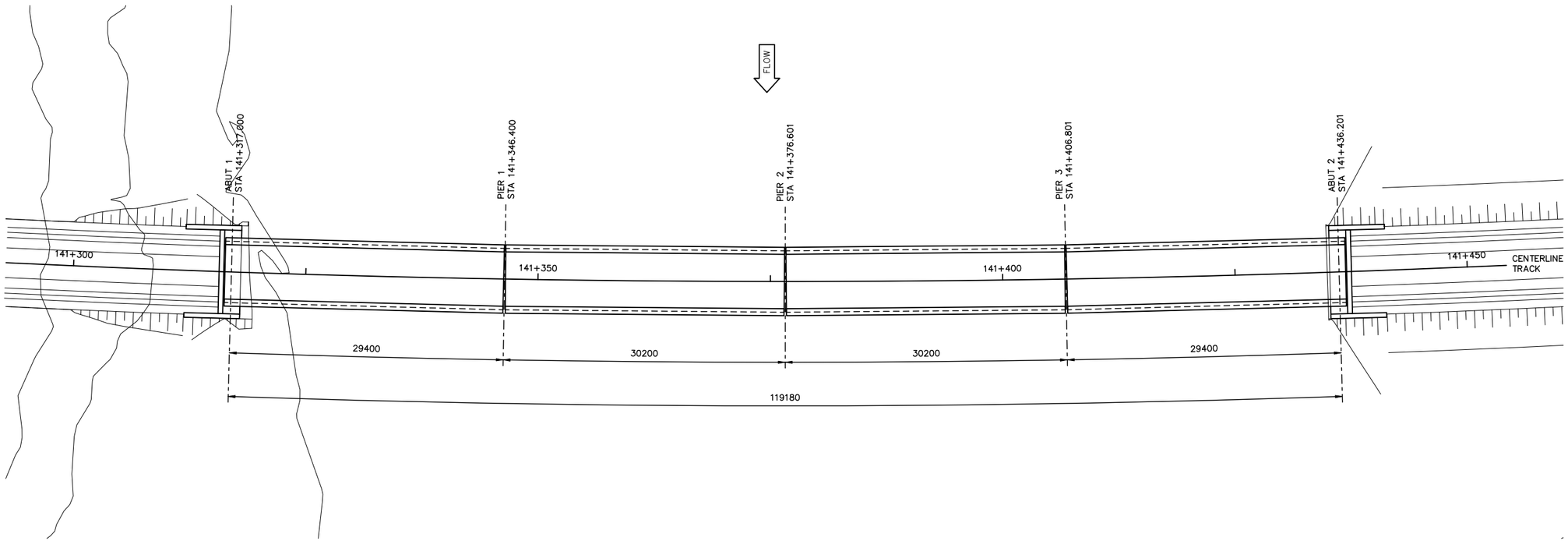
PROJECT NUMBER 1340070

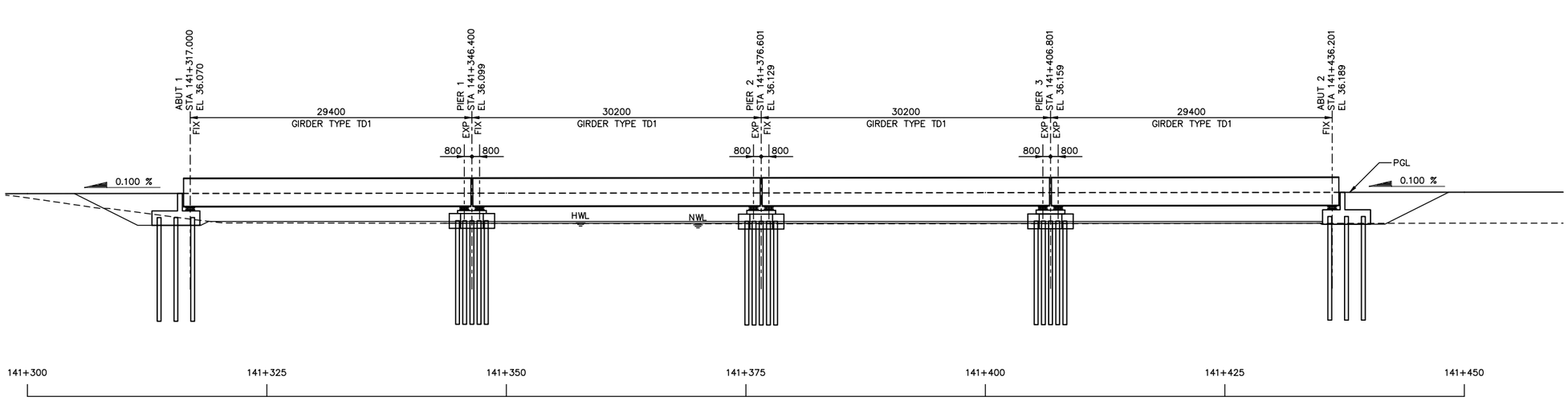
DRAWING NO. A1-159952-5200-122-6227-04

REV.

CAD FILE:

SAVED: 19/08/2011 6:52:46 PM PLOTTED: 25-Nov-11 11:03 AM USER: BARNES, RHIANA





NOTES

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2. CONTOURS SHOWN ON THIS DRAWING REPRESENT EXISTING GRADE ONLY.
3. THE REFERENCE POINT LOCATING THIS STRUCTURE IS AT THE INTERSECTION BETWEEN THE ALIGNMENT REFERENCE LINE AND THE LOW STATION ABUTMENT BEARING CENTERLINE.

   THIS POINT IS LOCATED AS FOLLOWS:

   STA 141+317.000

   E 597572.341 N 7805083.075 ZONE 17W

   LATITUDE 70°19'58.482" N

   LONGITUDE 78°24'05.969" W
4. ALL DIMENSIONS ARE GIVEN ALONG THE CONTROL LINE UNO. THE CONTROL LINE IS ALSO THE PROFILE GRADE LINE (PGL) AND IS LOCATED AT CENTERLINE TRACK / TOP OF SUB-BALLAST.
5. THE WATERCOURSE CROSSED BY THIS STRUCTURE IS REFERENCED AS NUMBER 214 IN THE REPORT 'FISH HABITAT ASSESSMENTS ALONG THE STEENSBY RAIL CORRIDOR' PREPARED BY KNIGHT PIESOLD CONSULTING AND DATED FEBRUARY 2008.
6. THIS CROSSING IS DEFINED AS NON-NAVIGABLE.
7. FISH HABITAT RATING IS 'IMPORTANT'.
8. HIGH WATER LEVEL (HWL) = 33.150

   HWL FREEBOARD = 1.460 METERS
9. NORMAL WATER LEVEL (NWL) = 32.770

   NWL FREEBOARD = 1.840 METERS
10. RIP-RAP PROTECTIVE ARMOURING FOR THE ABUTMENTS IS NOT EXPECTED TO BE REQUIRED. THE NEED FOR AND THE EXTENT OF THIS PROTECTION WILL BE ASSESSED AND ENGINEERED IN THE FIELD AFTER FILL PLACEMENT HAS BEEN COMPLETED.

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REV	DDMMMYY	REVISION	DR	CHK	APP	APP	APP	APP	ISS	DDMMMYY	APP	ISSUED FOR
1	30SEP11	ISSUED FOR ENVIRONMENTAL IMPACT STATEMENT (EIS)										
0	30SEP08	ISSUED FOR ENVIRONMENTAL IMPACT STATEMENT (EIS)										

REF	NUMBER	TITLE

STAMP/SEAL

Client Mgr. Engineering Mgr. Project Mgr.

PROJECT PHASE: LAND PERMIT APPLICATION

PROJECT NO. | ACTIVITY NO. | SCALE: 1:250 | PACKAGE CODE

	BY	DDMMMYY
DSN	KGW	01AUG11
DRN	RCB	01AUG11
CHK	JAS	01SEPT11
APP		

Baffinland Iron Mines Corporation

AREA 5200 — RAILWAY MAIN LINE

SUBJECT: BR-141-1 GENERAL PLAN AND ELEVATION

CANARAIL

PROJECT NUMBER 1380010

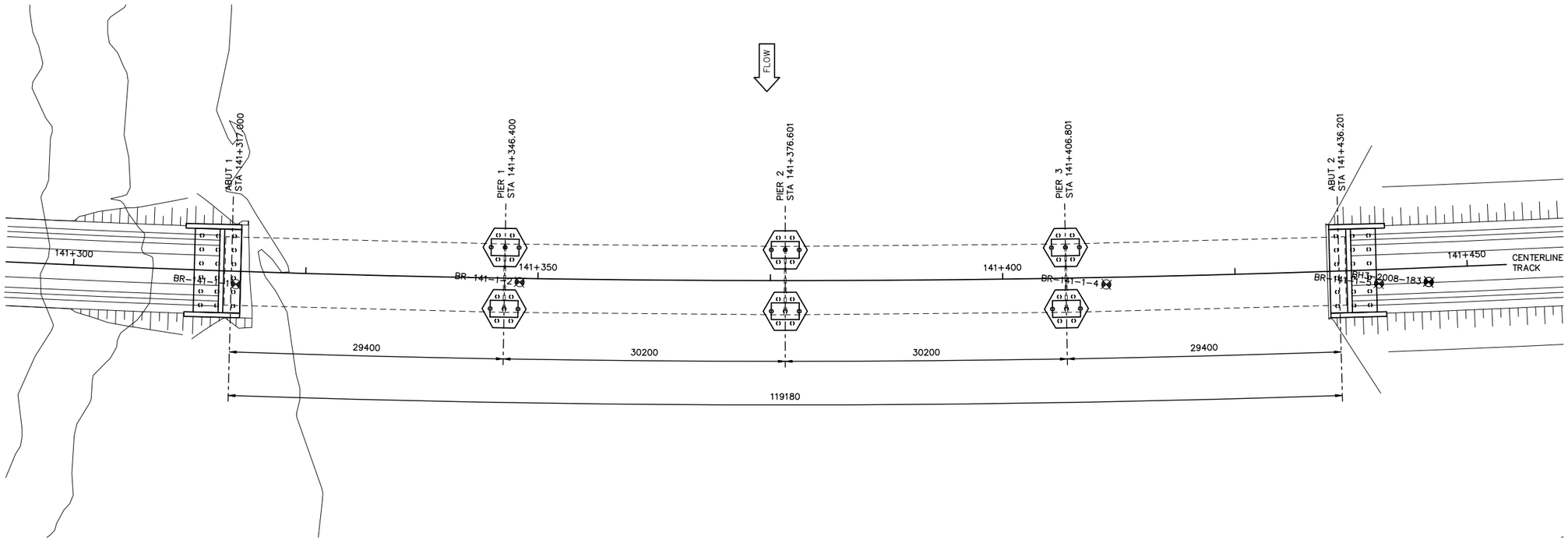
DILLON CONSULTING

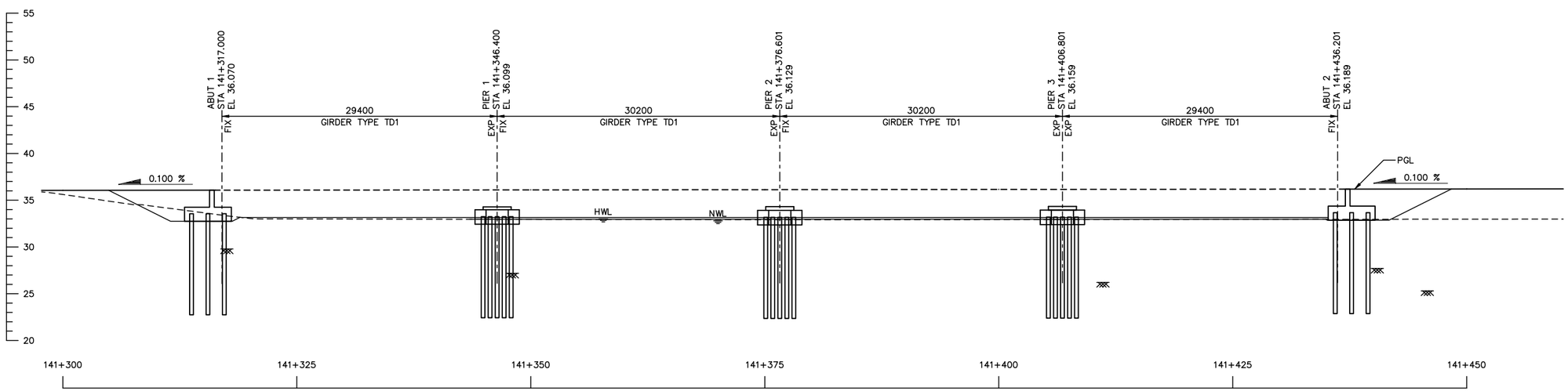
DRAWING NO. A1-159952-5200-122-6228-01

REV.

CAD FILE:

SAVED: 19/08/2011 6:52:46 PM PLOTTED: 25-Nov-11 11:03 AM USER: BARNES, RHIANA





LEGEND

- APPROXIMATE BOREHOLE LOCATION. SEE GEOTECHNICAL REPORT FOR EXACT LOCATION AND ADDITIONAL INFORMATION.
- APPROXIMATE BEDROCK ELEVATION. SEE GEOTECHNICAL REPORT FOR EXACT ELEVATION AND ADDITIONAL INFORMATION.

BOREHOLES

ALL VALUES GIVEN BELOW ARE APPROXIMATE.

BOREHOLE	STATION	OFFSET	BEDROCK ELEV'N
BH3-2008-183	141+446	2 R	25.3
BR-141-1-1	141+318	1 R	29.8
BR-141-1-2	141+348	0 R	27.2
BR-141-1-4	141+411	1 R	26.2
BR-141-1-5	141+440	1 R	27.7

NOTES

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1	30SEP11	ISSUED FOR ENVIRONMENTAL IMPACT STATEMENT (EIS)										
0	30SEP08	ISSUED FOR ENVIRONMENTAL IMPACT STATEMENT (EIS)										

REF	NUMBER	TITLE

STAMP/SEAL

Client Mgr. Engineering Mgr. Project Mgr.

PROJECT PHASE: LAND PERMIT APPLICATION

AREA 5200

RAILWAY MAIN LINE

PROJECT NO. | ACTIVITY NO. | SCALE 1:250 | PACKAGE CODE

	BY	DDMMMYY
DSN	KGW	01AUG11
DRN	RCB	01AUG11
CHK	JAS	01SEPT11
APP		

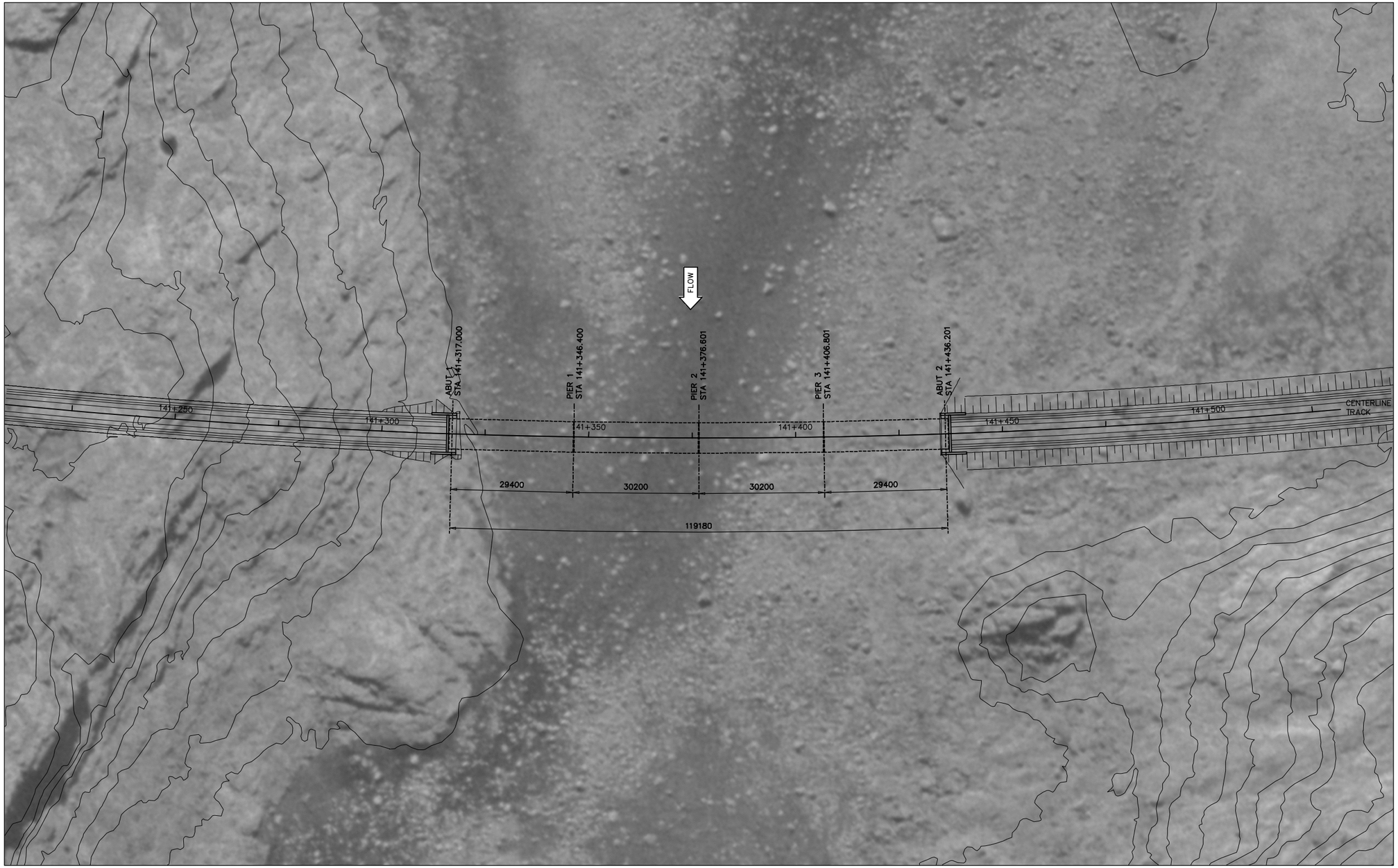
SUBJECT: BR-141-1 FOUNDATION LAYOUT

DRAWING NO. A1-159952-5200-122-6228-02

REV.

PROJECT NUMBER 1:250 1360020

CAD FILE:



NOTES

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REV	DDMMMYY	REVISION	DR	CHK	APP	APP	APP	APP
1	30SEP11	ISSUED FOR ENVIRONMENTAL IMPACT STATEMENT (EIS)						
0	30SEP08	ISSUED FOR ENVIRONMENTAL IMPACT STATEMENT (EIS)						

ISS	DDMMMYY	APP	ISSUED FOR

REF	NUMBER	TITLE

REFERENCES

STAMP/SEAL

Client Mgr. Engineering Mgr. Project Mgr.

PROJECT PHASE: LAND PERMIT APPLICATION

PROJECT NO. | ACTIVITY NO. | SCALE: 1:500 | PACKAGE CODE

	BY	DDMMMYY
DSN	KGW	01AUG11
DRN	RCB	01AUG11
CHK	JAS	01SEPT11
APP		

Baffinland Iron Mines Corporation

AREA 5200 | RAILWAY MAIN LINE

SUBJECT: BR-141-1 PHOTO MOSAIC

CANARAIL

PROJECT NUMBER 1:500 1380080

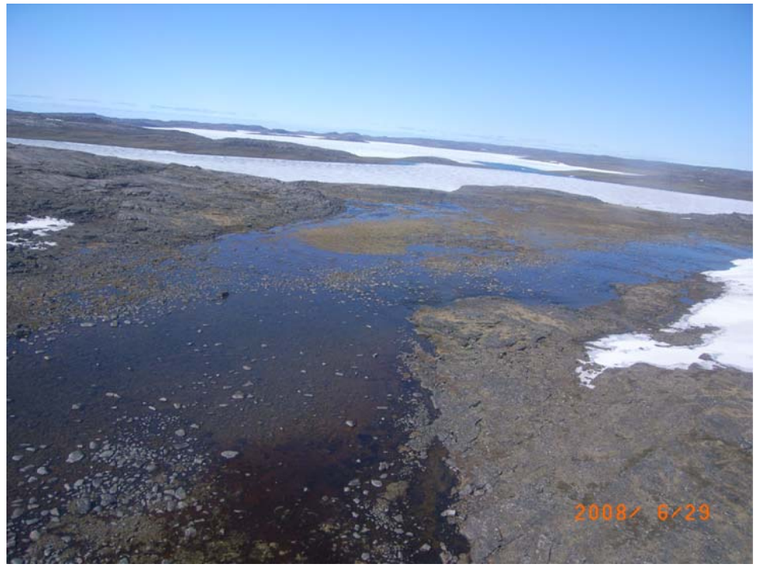
DILLON CONSULTING

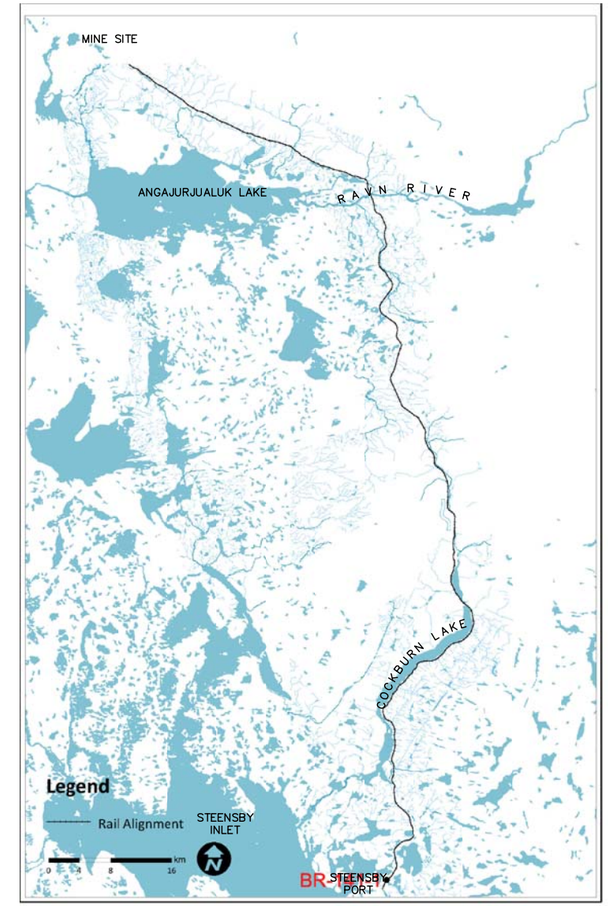
DRAWING NO. A1-159952-5200-122-6228-03

REV.

CAD FILE:

SAVED: 19/08/2011 6:52:46 PM PLOTTED: 25-Nov-11 10:25 AM USER: MACKENZIE, STEVE





LOCATION KEY PLAN

NOTES

1. THE WATERCOURSE CROSSED BY THIS STRUCTURE IS REFERENCED AS NUMBER 214 IN THE REPORT 'FISH HABITAT ASSESSMENTS ALONG THE STEENSBY RAIL CORRIDOR' PREPARED BY KNIGHT PIESOLD CONSULTING AND DATED FEBRUARY 2008.

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REV	DDMMMYY	REVISION	DR	CHK	APP	APP	APP	APP	ISS	DDMMMYY	APP	ISSUED FOR
1	30SEP11	ISSUED FOR ENVIRONMENTAL IMPACT STATEMENT (EIS)										
0	30SEP08	ISSUED FOR ENVIRONMENTAL IMPACT STATEMENT (EIS)										

REF	NUMBER	TITLE

STAMP/SEAL

Client Mgr. Engineering Mgr. Project Mgr.

PROJECT PHASE: LAND PERMIT APPLICATION

AREA 5200

RAILWAY MAIN LINE

PROJECT NO. | ACTIVITY NO. | SCALE | PACKAGE CODE

	BY	DDMMMYY
DSN	KGW	01AUG11
DRN	RCB	01AUG11
CHK	JAS	01SEPT11
APP		

SUBJECT: BR-141-1 SITE PHOTOS

PROJECT NUMBER

DRAWING NO. A1-159952-5200-122-6228-04

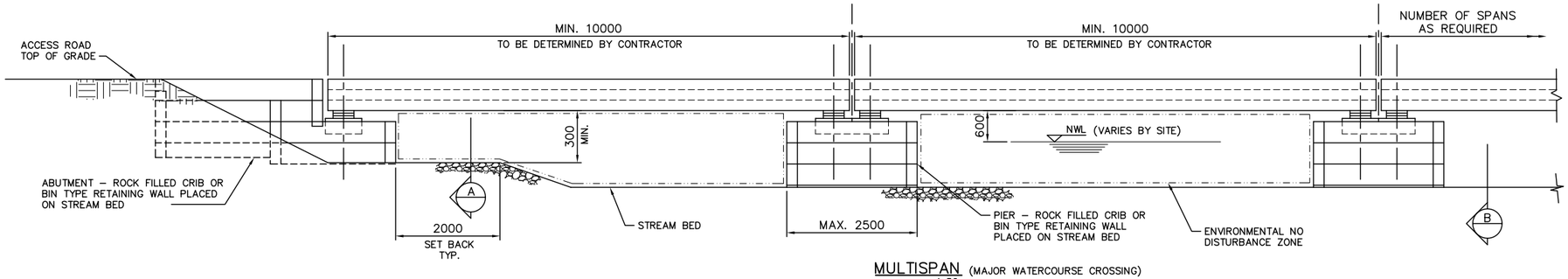
REV.

CAD FILE:

SAVED: 19/08/2011 6:52:46 PM PLOTTED: 25-Nov-11 11:03 AM USER: BARNES, RHIANA

GENERAL NOTES

1. _
2. _
3. _
4. _
5. _



MULTISPAN (MAJOR WATERCOURSE CROSSING)
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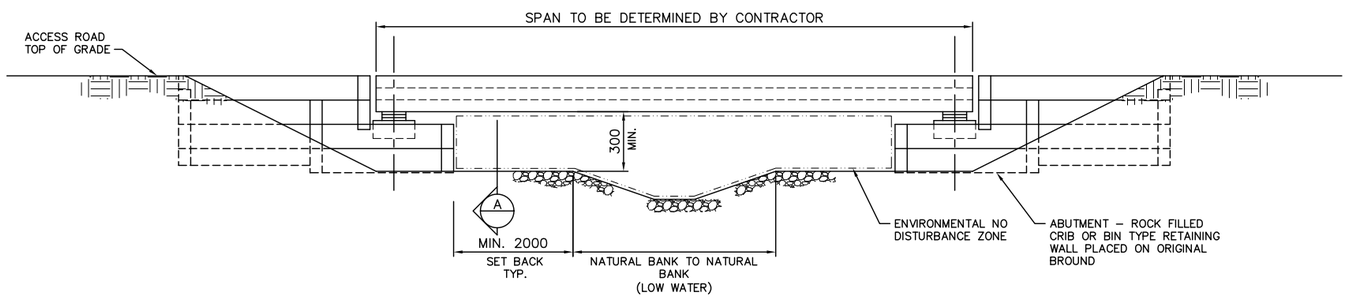

CLEAR SPAN (LOW LEVEL CROSSING/ NARROW STREAM)
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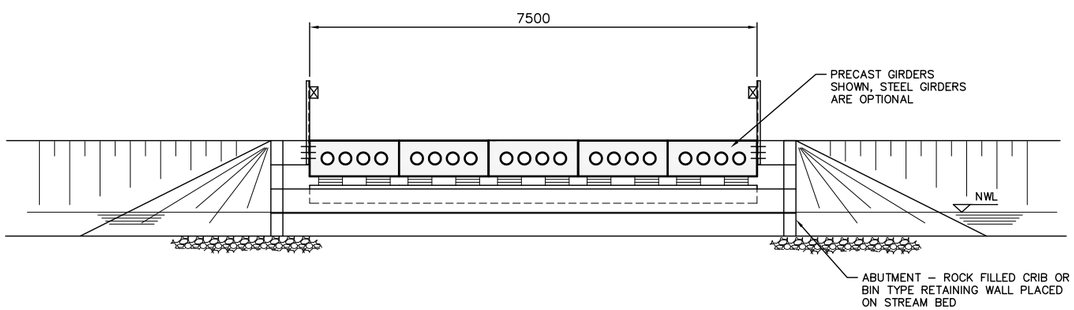
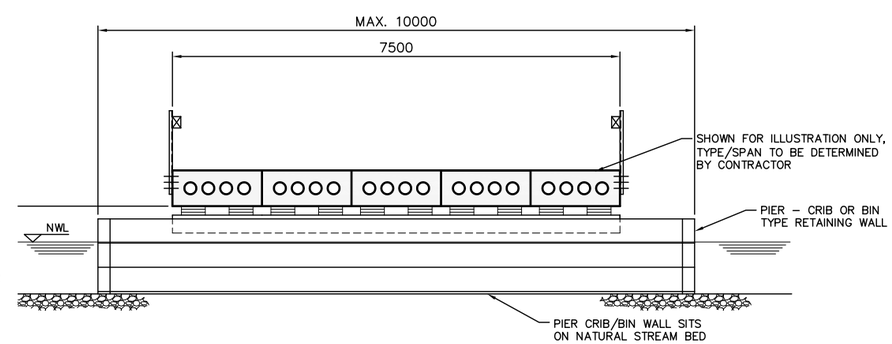


A TYPICAL DECK/ABUTMENT SECTION
1:50



B TYPICAL DECK/PIER SECTION (MAJOR WATERCOURSE CROSSING)
1:50

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REV	DDMMMYY	REVISION	DR	CHK	APP	APP	APP	APP	ISS	DDMMMYY	APP	ISSUED FOR
1	30SEP11	ISSUED FOR ENVIRONMENTAL IMPACT STATEMENT (EIS)										
0	30SEP08	ISSUED FOR ENVIRONMENTAL IMPACT STATEMENT (EIS)										

REF	NUMBER	TITLE

REFERENCES

STAMP/SEAL

Client Mgr. Engineering Mgr. Project Mgr.

PROJECT PHASE: LAND PERMIT APPLICATION

AREA

PROJECT NO. | ACTIVITY NO. | SCALE | PACKAGE CODE

	BY	DDMMMYY
DSN	KGW	01AUG11
DRN	RCB	01AUG11
CHK	JAS	01SEPT11
APP		

Baffinland Iron Mines Corporation

CANARIL

PROJECT NUMBER

DILLON CONSULTING

SUBJECT: ACCESS ROAD TYPICAL BRIDGE MULTISPAN & CLEAR SPAN

DRAWING NO. SK-1

REV.

CAD FILE:

PLOTTED: 25-Nov-11 11:06 AM USER: BARNES, RHIANA

SAVED: 19/08/2011 6:52:46 PM 6:52 PM