



000579

CHELASLIE CREEK
CHELASLIE M/L
km 1 + 500 - ~~AS BUILT~~ *No Drawings*

CONSTRUCTION REPORT





GENERAL CONFORMANCE OF CONSTRUCTION

This document will serve as professional confirmation of general conformance for the construction of all bridges and culverts completed on Forest Service roads, except those specifically excluded by the Regional Engineering Officer.

DESCRIPTION OF WORK

- 12.2m STEEL / CONCRETE COMPOSITE BRIDGE

In my capacity as a Professional Engineer, registered in the Province of British Columbia, and retained by/employed by Allnorth Consultants Limited, I hereby state that: the above described works were carried out and completed in general conformance with the approved drawings and specifications except for those changes noted below; that there was sufficient inspection by me or by qualified persons working under my direct supervision to demonstrate conformance to the approved drawings and specifications; and that any changes from the approved drawings and specifications were necessitated by on-site conditions and will provide a structure having a level of strength and durability at least equal to that expected from a structure built in complete accordance with the approved drawings and specifications.

CHANGES FROM APPROVED DRAWINGS AND SPECIFICATIONS:

N/A

Forest Service Road		CHELASLIE M/L		Stream Name		CHELASLIE		AT km		1+500		FILE NO.		PROJECT NO.		TO LICENSEE	
SIGNATURE (P.Eng.)		D.D. WILLIAMS		PROFESSIONAL ENGINEER		COLUMBIA		DATE		Y M D		01 01 22		ADDENDUM		00-C- 579	
INITIAL		DATE		Y M D		MINISTRY USE ONLY											



ALLNORTH CONSULTANTS LIMITED
Suite 1589, #194 - 3803 Calgary Trail South, Edmonton, AB T6J 5M8
Phone (780) 929-5200 • Fax (780) 929-6300

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CHANGES FROM APPROVED DRAWINGS AND SPECIFICATIONS:

N/A

Forest Service Road		Stream Name	CHELASLIE	AT km	1+500	FILE NO.	PROJECT NO.	TO LICENSEE
CHELASLIE M/L		DATE		Y	M	D	ADDDDDMM	00-C- 579
SIGNATURE (P. Eng.)		D.D. MILLIKEN		PROFESSIONAL ENGINEER		OF BRITISH COLUMBIA		
INITIAL		DATE		Y	M	D	ADDDMM	

PROJECT MEMORANDUM



PROJECT MEMORANDUM

Project	12.2m Steel/Concrete Bridge	Date	31-Oct-00
Job Number	00-C-579	Memo No.	1
Contractor	Formula Pile and Bridge Contractors Limited	Sheet No.	1 of 1

- At site (10:30am). Road partially excavated.
- Formula installing temporary bridge down stream.
- Check layout (alignment) as determined by Gerald (Formula).
- Excavate around culvert and at low chain for new creek bed.
- Survey for creek bed elevation – existing grade is 5% between up and down stream.
- Place filter cloth and gravel for creek bed.
- Continue to excavate around old culvert.

CONTRACTORS REPRESENTATIVE

D. Avery - ALLNORTH REPRESENTATIVE



PROJECT MEMORANDUM

Project	12.2m Steel/Concrete Bridge	Date	01-Nov-00
Job Number	00-C-579	Memo No.	2
Contractor	Formula Pile and Bridge Contractors Limited	Sheet No.	1 of 1

- At site (7:00 am). Formula unloading materials.
- Use excavated material for high chain turn out. Haul waste material to flat area (80m H.C.).
- Excavate for footing - hard till type material.
- G. Van Dolah on site. We went to 12.5km site to determine road fill requirements.
- Layout footings and place over filter fabric and compacted gravel.
- Start pier assembly - separate from footings.
- 1 left site - Bridge inspection at 18.5km
- Formula off loading more materials.

CONTRACTORS REPRESENTATIVE

D. Avery - ALLNORTH REPRESENTATIVE



PROJECT MEMORANDUM

Project	12.2m Steel/Concrete Bridge
Job Number	00-C-579
Contractor	Formula Pile and Bridge Contractors Limited
Date	02-Nov-00
Memo No.	3
Sheet No.	1 of 1

- At site (7:00am). Formula unloading concrete panels.
- Use partial up stream beaver dam to de-water site (pump).
- Remove old culvert. Place rip-rap in creek.
- Excavate for high chain section of creek bed.
- Complete creek bed and redirect water flow.
- Excavate for high chain footing and place.
- Grout plates and install pier section (weld).
- Place rip-rap – use existing large rocks to increase average size.

CONTRACTORS REPRESENTATIVE

D. Avery - ALLNORTH REPRESENTATIVE

PROJECT MEMORANDUM

Project	12.2m Steel/Concrete Bridge	Date	03-Nov-00
Job Number	00-C-579	Memo No.	4
Contractor	Formula Pile and Bridge Contractors Limited	Sheet No.	1 of 1

- At site (7:00am). Formula welding high chain pier.
- 1 left site – bridge inspection at 8.2km Blanchet.
- Complete high chain pier assembly.
- Meet G. Van Dolah, R. Blackburn and D. Macleary at 12.5km site. All parties agree to keep road grade level by using local bank material. Formula determined the costs involved.
- Launch bridge and weld. Bridge labeled L-75
- Called Darby K. (Allnorth) – bridge meets L-100 dimensions.
- Place panels and ballast wall.
- End panel has timber bracket bolts in wrong location (conflict with ballast wall) - can only use two bolts.
- High chain ballast wall has a small crack (300mm long) at upper corner as a result of improper shipping.
- Seal crack with a bitumen product.

CONTRACTORS REPRESENTATIVE

D. Avery - ALLNORTH REPRESENTATIVE



PROJECT MEMORANDUM

Project	12.2m Steel/Concrete Bridge	Date	04-Nov-00
Job Number	00-C-579	Memo No.	5
Contractor	Formula Pile and Bridge Contractors Limited	Sheet No.	1 of 1

- At site (7:30am). Continue welding ballast walls.
- Place and compact endfills.
- Finish up stream rip-rap. Steep spill at H. C. - down stream.
- Place deck panels and grout. Sunny day - 5 degrees C. Heated water
- Install timber rails and drill.
- 1 left site. Formula will deactivate temp. bridge. Restore site. Construct turn outs and place no-posts.

CONTRACTORS REPRESENTATIVE

D. Avery - ALLNORTH REPRESENTATIVE



PROJECT MEMORANDUM

Project	12.2m Steel/Concrete Bridge	Date	05-Nov-00
Job Number	00-C-579	Memo No.	6
Contractor	Formula Pile and Bridge Contractors Limited	Sheet No.	1 of 1

- Visit site with G. Van Dolah. More rip-rap will be required to armor road spill slopes and cover temp. road.
- Formula delivered ten more loads of rip-rap and spread. Not placed well.
- Later, Gerald agrees to return excavator to site to improve rip-rap placement.
- G. Van Dolah - Not necessary to return to site (tidy rip-rap) if time does not permit.

CONTRACTORS REPRESENTATIVE

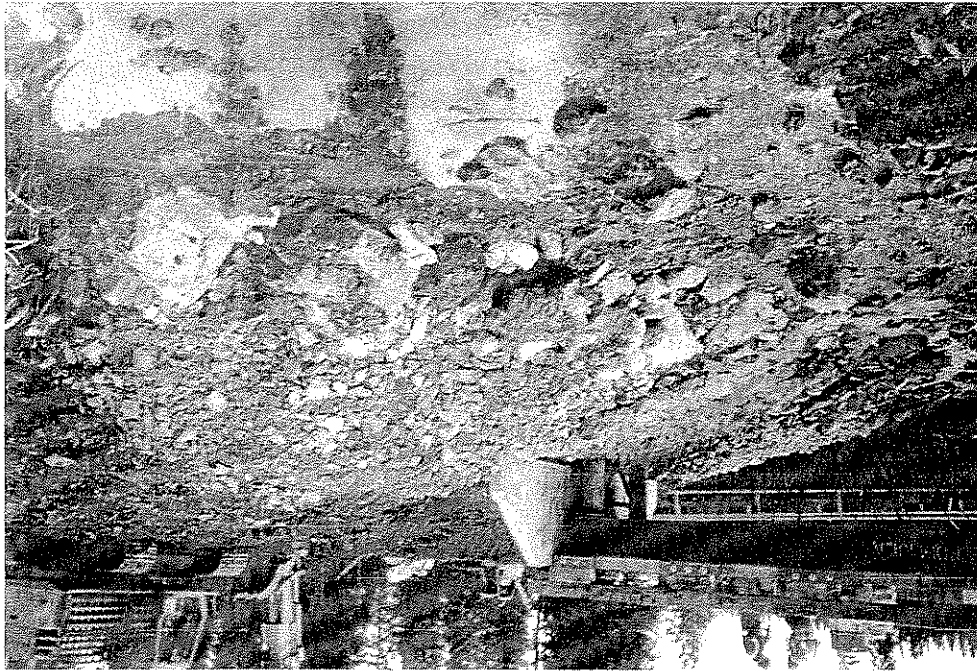
D. Avery - ALLNORTH REPRESENTATIVE



ALLNORTH CONSULTANTS LIMITED
301-1777 THIRD AVE. PRINCE GEORGE B.C. PH. 562-7291
F.S.R. CHELASLIE Km 1.5
CROSSING UNNAMED CREEK SIZE 12.2M
DISTRICT LAKES JOB# 000579

DATE INSPECTED: 02/11/12
INSPECTED BY: D. AVERY
SPAN NO.: 1
SHEET NO: 1 OF 2

LOOKING LOW CHAIN



RIPRAP PLACEMENT

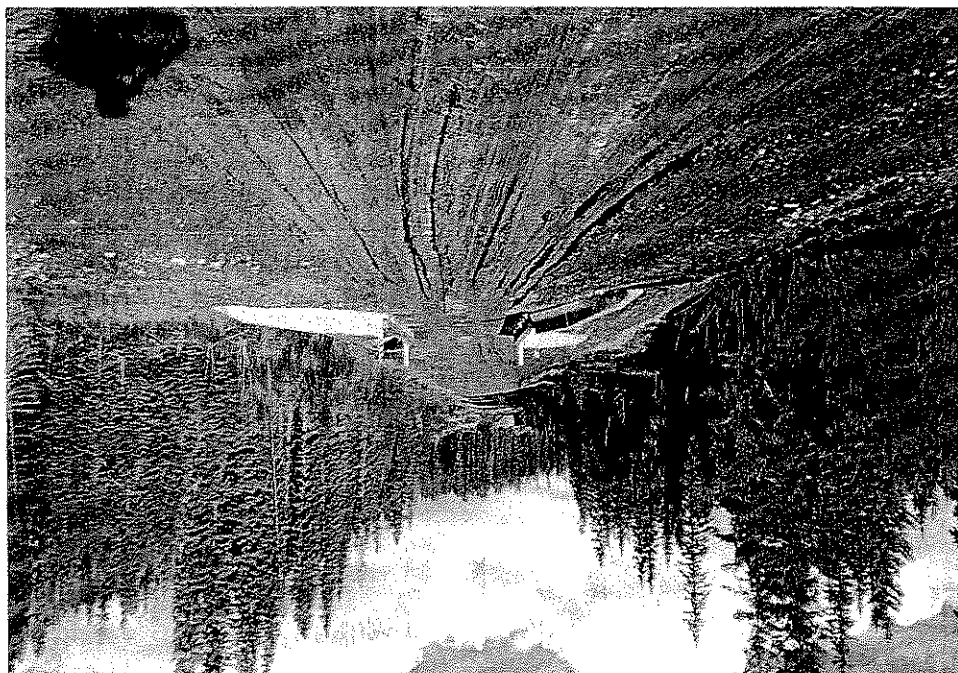




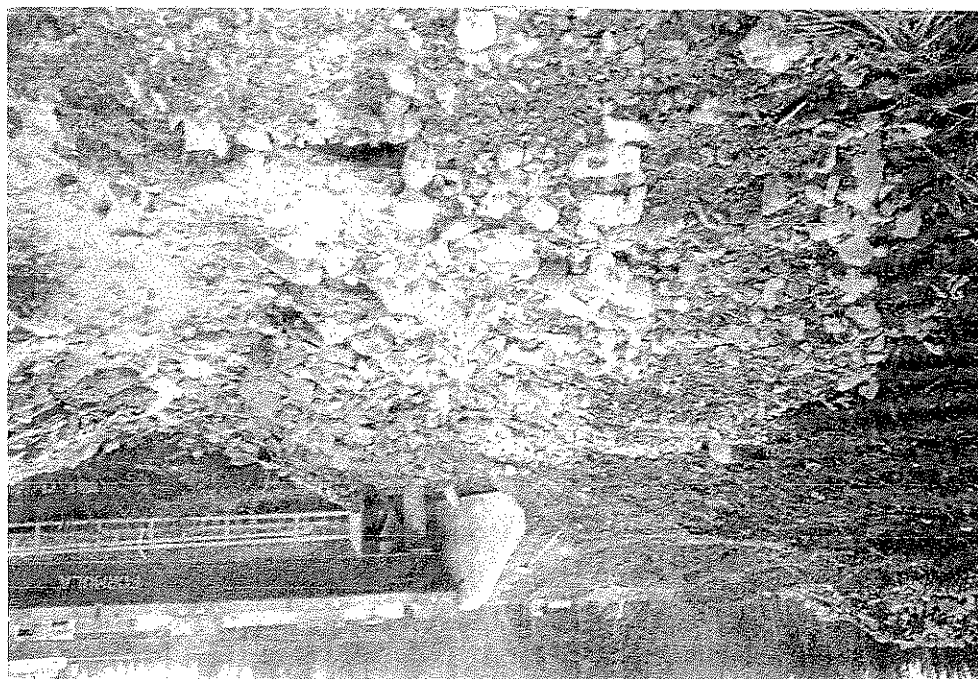
ALLNORTH CONSULTANTS LIMITED
301-1777 THIRD AVE. PRINCE GEORGE B.C. PH. 562-7291
F.S.R. CHELASHIE km 1.5
CROSSING UNNAMED CREEK SIZE 12.2M
DISTRICT LAKES JOB# 00C579

DATE INSPECTED: 02/11/12
INSPECTED BY: D. AVERY
SHEET NO: 2 OF 2
SPAN NO.: 1

LOOKING LOW CHAIN



LOOKING HIGH CHAIN



STEEL MILL CERTIFICATES

2000 DIRECT MILES
P.O. BOX 2760, Portland, Oregon 97208 • (503) 286-6651 Fax (503) 240-5268

REPORT OF CHEMICAL/PHYSICAL TESTS

04 0706

RUSSEL METALS-PRINCE GEORGE
ATTN: DARRELL BECKER
9242 MILWAUKEE WAY
PRINCE GEORGE, BC V2M 2K8
CANADA

RUSSEL METALS-PRINCE GEORGE
ATTN:DARRELL BECKER
9242 MILWAUKEE WAY
PRINCE GEORGE, BC V2M 2K8
CANADA

CERTIFICATE NO.	DATE	PAGE
616220	SEP 12, 2000	2
MILL ORDER NO.	DATE	
124457		
CUSTOMER ORDER NO.		
M6501740		
JOBBREQ. NO.		

THIS MATERIAL HAS BEEN MANUFACTURED, TESTED AND FOUND TO MEET THE SPECIFICATIONS AND PURCHASE ORDER REQUIREMENTS
OSM HSLA STRUCTURAL QUALITY PLATE ASTM A588-97 GRADE B CSA-G40.21-98 GRADE 50 AT
CAT III. LCVN 20 FT/LBS AVG @ -20 F (H).
51-52-107-11145-480#01563 50671

Steel Plate 99193 W08 01563

Robert Johnson

PHYSICAL PROPERTIES

[illegible]

CHEMICAL ANALYSIS

CHEMICAL ANALYSIS																	
HEAT NO.	C	Mn	P	S	Si	Cu	Ni	V	Cr	Al	Mo	Ti	B	Nb	Ca	CE	REMARKS
+106756	.14	.91	.007	.008	.34	.30	.16	.038	.47	.032	.02						
+106756	.14	.91	.007	.008	.34	.30	.16	.038	.47	.032	.02						

ALL HEATS INDICATED WITH (+) WERE MELTED AND MANUFACTURED IN THE U.S.A.

END OF REPORT

I certify the above to be correct as contained in the records of ONECOM street, unit 2

O.C. PROCEEDS ADMINT. DIVISION
 CHRISTINE HUNTER
 10/1/01

P.O. Box 1400, Sault Ste. Marie, Ontario Canada P6A 5P2

13098

RUSSEL METALS INC.
C/O INTERIOR WAREHOUSE INC
PRINCE GEORGE, B.C.

MILL TEST REPORTS

ALCOMA STEEL, INC., HEREBY CERTIFIES THAT THE MATERIAL HEREIN DESCRIBED WAS MADE AND TESTED IN ACCORDANCE WITH THE RULES OF THE SPECIFICATION SHOWN HEREIN AS CONTAINED IN THE COMPANY RECORDS AND WITHIN THE SCOPE OF ACCREDITATION OF ISO/IEC GUIDE 25:1990 AS CONTAINED IN THE COMPANY RECORDS.

HR PLATE - HSLA - CSA G40.21 50AT 1998 - CVNL 20 FT LBS AT -22 F - SHEARED

B. Thomson
MANAGING METALLURGIST

MARK ON B/L FOR DELY TO RUSSEL METALS, 9097 MILWAUKEE WAY,
PRINCE GEORGE - FAX COPY OF B/L TO INTERIOR WHSE LTD. @ 250-563-
1854 & RUSSEL METALS @ 250-561-1663 ATTN: MARTIN COPPIN

THIS WILL TEST REPORT MAY NOT
REPRODUCED EXCEPT IN FULL WITH
WRITTEN APPROVAL OF ALGOMA STEEL INC.

TEST REPORTS REQUIRED

CUSTOMER ITEM	10	OUR ITEM 010	DIMENSIONS .375 X 96 X 480 "
***** PRODUCT SHIPPED *****			

DATE	NO.	WEIGHT	PLATE	NO.	WEIGHT
NUMBER	PIECES		NUMBER	PIECES	
3396	6826P 03	4900	09397	6826P 03	4900
3398	6826P 03	4900	09399	6826P 03	4900
3400	6826P 53	4900	09401	6826P 53	4900

SAMPLE	TEST	TEST	TEST	TENSILE	* % ELONG *
GAUGE	COND.	METH.	DIR.	KSI	" 8"
.3750	CR	.2	T	60	24
.3750	CR	.2	T	61	24

IPACT TESTS

SAMPLE	TEST	TEST	TEST	CUPON	TEST	* FULLSIZE ENERGY *
GAUGE	COND.	METH.	DIR.	SHAPE	TEMP.	FTLB FTLB FTLB AVG
.3750	CR	CVN	L	3/4	-22F	134 134 131 133
.3750	CR	CVN	L	3/4	-22F	106 257 234 199

	AT	C	MN	P	S	SI	CR	NI	CU	MO	ALT	ALS	CB	V	B	TI	SN	N
26P	.08	1.13	.009	.008	.44	.53	.30	.30	.01	.030	.029	<.005	.044					
26P	.08	1.13	.009	.008	.44	.53	.30	.30	.01	.030	.029	<.005	.044					

WARNING THE TEST RESULTS AND VALUES REPORTED HEREIN INDICATE ONLY THAT (1) THE PARTICULATES ARE FROM A SOURCE OF COMBUSTION OF FUEL, AND (2) THE PARTICULATES ARE NOT FROM A SOURCE OF COMBUSTION OF FUEL.

PAGE 7 OF 8

THE RESULTS AND VALUES REPORTED HEREIN INDICATE ONLY THAT (1) THE PARTICULAR STEEL FOR WHICH THIS CERTIFICATE IS ISSUED MEETS THE MINIMUM SPECIFIED YIELD STRENGTH AND (2) THE CHEMICAL ANALYSIS AND PHYSICAL PROPERTIES OF SUCH STEEL ARE IN CONFORMANCE WITH THE REQUIREMENTS OF THE SPECIFICATION INDICATED. THE RESULTS OR VALUES REPORTED HEREIN CAN NOT BE USED TO QUALIFY THE STEEL FOR ANY SPECIFICATION OTHER

ALGOMA STEEL INC.

P.O. Box 1400, Sault Ste. Marie, Ontario Canada P6A 5P2

CUSTOMER PURCHASE ORDER NUMBER
M6501529

CHANGE TO CUSTOMER NAME AND ADDRESS

RUSSEL METALS INC.
9097 MILWAUKEE WAY
PRINCE GEORGE, B.C.
V2N 2K8

SHIP TO CUSTOMER NAME AND ADDRESS
RUSSEL METALS INC.
C/O INTERIOR WAREHOUSE INC
PRINCE GEORGE, B.C.

ENTRY DATE	2000/07/05	SHIP DATE	2000/08/22	TOTALY NUMBER	292958	SHIPPER'S NUMBER	02-	CARRIER	CN
------------	------------	-----------	------------	---------------	--------	------------------	-----	---------	----

MILL ORDER
13098

CUSTOMER SPECIFICATION

HR PLATE - HSLA - CSA G40.21 50AT 1998 - CVNL 20 FT LBS AT -22 F - SHEARED

Slings P-A 99193 w Biscs

PLEMENTARY INSTRUCTIONS

MARK ON B/L FOR DELY TO RUSSEL METALS, 9097 MILWAUKEE WAY
PRINCE GEORGE - FAX COPY OF B/L TO INTERIOR WHESE LTD. @ 250-563-
7854 & RUSSEL METALS @ 250-561-1663 ATTN: MARTIN COPPIN

TEST REPORTS REQUIRED

TEST REPORTS REQUIRED

THIS MILL TEST REPORT MAY NOT
REPRODUCED EXCEPT IN FULL WITH
WRITTEN APPROVAL OF ALGOMA STEEL INC.

B. Thomson
MANAGING METALLURGIST

MILL TEST REPORTS

ALGOMA STEEL INC. HEREBY CERTIFIES
THAT THE MATERIAL HEREIN DESCRIBED WAS
MADE AND TESTED IN ACCORDANCE WITH
THE RULES OF THE SPECIFICATION SHOWN
HEREIN AS CONTAINED IN THE COMPANY
RECORDS AND WITHIN THE SCOPE OF
ACCREDITATION OF ISO9001 GUIDE 25-1990 AS
CONTAINED IN THE COMPANY RECORDS.

ITEM	3	OUR ITEM	003	DIMENSIONS	.500 X 96 X 480 "
------	---	----------	-----	------------	-------------------

ITEM	HEAT	NO. PIECES	WEIGHT	PLATE NUMBER	HEAT	NO. PIECES	WEIGHT
7711	6546P 06	1	6534	07712	6546P 06	1	6534
7713	6546P 06	1	6534	07714	6546P 07	1	6534
7716	6546P 57	1	6534				

ITEM	SAMPLE GAUGE	TEST COND.	TEST METH.	TEST DIR.	YIELD KSI	TENSILE KSI	% ELONG
746P	.5000	CR	.2	T	54	73	2" 8" 25

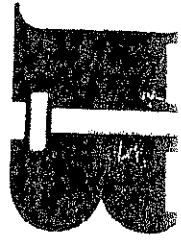
ITEM	SAMPLE GAUGE	TEST COND.	TEST METH.	TEST DIR.	COUPON SHAPE	TEST TEMP.	* FULLSIZE ENERGY
746P	.5000	CR	CVN	L	FULL	-22F	228 160 185 191

ITEM	C	MN	P	S	SI	CR	NI	CU	MO	ALT	AUS	CB	V	B	TI	SN	N
746P	.09	1.12	.011	.012	.41	.61	.29	.30	.01	.042	.042	<.005	.046				
746P	.09	1.12	.011	.012	.41	.61	.29	.30	.01	.042	.042	<.005	.046				
746P	.09	1.12	.011	.012	.41	.61	.29	.30	.01	.042	.042	<.005	.046				

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Stringer welding 2 ft

#61593



Denote Plant Of Origin:
55 - Kankakee, Illinois Steel Division
58 - Birmingham, Alabama Steel Division
70 - Seattle, Washington Steel Division
84 - Jackson, Mississippi Steel Division

CERTIFIED MILL TEST REPORT

51971010
DATE: 11/30/98

B.L. NO: 70-W94032

LOAD NO: 7000077878

SOLD TO
• RUSSEL METALS INC
• 9097 MILWAUKEE WAY
• PRINCE GEORGE, BC
• RUSSEL METALS INC
• 9097 MILWAUKEE WAY
• PRINCE GEORGE, BC
V2N2K8 CANADA
V2N2K8 CANADA

BIRMINGHAM STEEL CORP
SEATTLE, WA STEEL DIVISION
2424 SW ANDOVER
SEATTLE, WA. 98106-1100
(206) 933-2222

HEAT NO. *

DESCRIPTION

PHYSICAL TESTS

CHEMICAL TESTS

PO#: 00887 0099I2199	SEATTLE WA STEEL DIVISION 4x4x3/8" Ang 40' (A588B) A588B	YIELD	TENSILE	ELONG	Bend	WT%	DEF	C	Mn	Cr	P	S	SI	Cb	Cu	C.E.
		P.S.I.	P.S.I.					NI			Mo	V				
0#: 916 0099I0944	SEATTLE WA STEEL DIVISION 2x2x1/4" Ang 20' (44W/A36) ASME SA36-95 ASTM A36-96	52,530 362MPa	72,000 496MPa	23.4%		-1.2%		.16 .10	.99 .55	.012 .02	.032 .019	.19	.30	.39		
0099I2108	SEATTLE WA STEEL DIVISION 3x3x3/16" Ang 40' (44W/A36) ASTM A36-96 ASME SA36-95	48,290 333MPa	71,320 492MPa	31.3%		-1.6%		.16 .14	.65 .11	.009 .03	.026	.19	.28	.29		
0098I5423	SEATTLE WA STEEL DIVISION 3x4.1# Ch 20' (44W/A36) ASTM A36-96 ASME SA36-95	48,100 332MPa	69,500 479MPa	32.0%		-1.3%		.15 .12	.67 .08	.009 .02	.027	.21	.35	.28		
0099I1563	SEATTLE WA STEEL DIVISION 4x5.4# Ch 20' (44W/A36) ASTM A36-96 ASME SA36-95 CSA G40.21-87 GR 44W	50,440 348MPa	72,450 500MPa	32.8%		-1.8%		.18 .10	.70 .10	.009 .02	.032	.21	.27	.32		
SEE REVERSE FOR PLANT OF ORIGIN																

SEE REVERSE FOR PLANT OF ORIGIN
I HEREBY CERTIFY THAT THE ABOVE FIGURES ARE CORRECT AS CONTAINED IN THE RECORDS OF THE CORPORATION. G. GIRALDO
I MANUFACTURING PROCESS OF THE STEEL

CONCRETE (GROUT) TESTING

CONCRETE
TEST REPORT

MTS-MATERIALS TESTING SERVICES RECEIVED NOV 8 2000

#2 - 3930 22nd Avenue, Prince George BC V2N 1X6
Phone (250) 561-2077 or Fax (250) 561-2087

PROJECT NO. 1126
CLIENT Allnorth Consultants Ltd.
C.C.

Allnorth Consultants Ltd.
#301 - 1777 3rd Avenue
Prince George, BC
V3L 3G7

PROJECT 2000 Testing Services

SET NO. 6 NO. OF SPECIMENS 3 DATE RECEIVED 2000.Nov.16 DATE CAST 2000.Nov.04

SPECIMEN NUMBER	DATE TESTED	AGE AT TEST (DAYS)	AVERAGE DIAMETER (mm) OR SIDE (mm x mm)	AVERAGE LENGTH OR SPAN (mm)	MAXIMUM LOAD (kN)	AVERAGE CROSS-SECTIONAL AREA (mm ²)	COMPRESSIVE OR FLEXURAL STRENGTH (MPa)	FAILURE TYPE
QA	Nov.16	12	50.8 x 50.8	50.8	163.5	2581	63.4	A
QB	Dec.04	30	50.8 x 50.8	50.8		2581	0.0	B
QC	Dec.04	30	50.8 x 50.8	50.8		2581	0.0	C
								D
								E
								F

SPECIFIED STRENGTH MPa @ 28 DAYS

CONCRETE TEMPERATURE °C AIR TEMPERATURE °C

MEASURED SLUMP mm SPECIFIED SLUMP ± mm

MEASURED AIR % SPECIFIED AIR ± %

PLASTIC DENSITY kg/m³ HARDENED DENSITY kg/m³

CAST TIME CAST BY CLIENT

CURING CONDITIONS MOULD TYPE BRASS

INITIAL CURING TEMP: MAXIMUM °C MINIMUM °C

LOCATION

JOB #00-C-597

COMMENTS

SUPPLIER premixed - bagged
MIX NO. 35MPA
TRUCK NO. TICKET NO.
LOAD VOL. m³ CUM. VOL. m³

WATER ADDED AUTH. BY
Page 1 of 1
2000.Nov.18

MTS-MATERIALS TESTING SERVICES PER.

MTS-MATERIALS TESTING SERVICES

#2 - 3930 22nd Avenue, Prince George BC V2N 1X6

Phone (250) 561-2077 or Fax (250) 561-2087

PROJECT NO. 1126

CLIENT Allnorth Consultants Ltd.

C.C.

Allnorth Consultants Ltd.
#301 - 1777 3rd Avenue
Prince George, BC

V3L 3G7

PROJECT 2000 Testing Services

SET NO. 6 NO. OF SPECIMENS 3

DATE RECEIVED 2000.NOV.16 DATE CAST 2000.NOV.04

SPECIMEN NUMBER	DATE TESTED	AGE AT TEST (DAYS)	AVERAGE DIAMETER (mm) OR SIDE (mm x mm)	AVERAGE LENGTH OR SPAN (mm)	MAXIMUM LOAD (kN)	AVERAGE CROSS-SECTIONAL AREA (mm ²)	COMPRESSIVE OR FLEXURAL STRENGTH (MPa)	FAILURE TYPE
QA	Nov.16	12	50.8 x 50.8	50.8	163.5	2581	63.4	A
QB	Dec.04	30	50.8 x 50.8	50.8	194.9	2581	75.5	B
QC	Dec.04	30	50.8 x 50.8	50.8	197.4	2581	76.5	C
								D
								E
								F

SPECIFIED STRENGTH MPa @ 28 DAYS

CEMENT CONTENT kg/m³ TYPE

POZZOLAN CONTENT kg/m³ TYPE

MAXIMUM SIZE AGGREGATE mm

BATCH TIME

ADMITTURES

SUPPLIER premixed - bagged

MIX NO. 35MPA

TRUCK NO. TICKET NO.

LOAD VOL. m³ CUM. VOL. m³

WATER ADDED

AUTH. BY

Page 1 of 1 2000. Dec. 06

COMMENTS

JOB #00-C-597

LOCATION

INITIAL CURING TEMP: MAXIMUM

°C MINIMUM

CURING CONDITIONS

MOULD TYPE BRASS

CAST TIME

CAST BY CLIENT

PLASTIC DENSITY kg/m³

HARDENED DENSITY kg/m³

MEASURED AIR %

SPECIFIED AIR %

MEASURED SLUMP mm

SPECIFIED SLUMP mm

CONCRETE TEMPERATURE °C

AIR TEMPERATURE °C

MTS-MATERIALS TESTING SERVICES PER

CONCRETE TEST REPORT

AS BUILT DRAWINGS