



CSA CERTIFIED  
LABORATORY FOR TESTING  
CONCRETE

## CONCRETE PLACEMENT REPORT

97 TROOP AVE., DARTMOUTH, N.S. B3B 2A7 - TEL (902) 468-6486 FAX 468-4919

**Client**

Nova Scotia Transportation And Infrastructure Renewal  
PO Box 186, 1672 Granville Street  
Halifax, Nova Scotia  
B3J 2N2

**Our Project No.**

02000061.000.001

**Client Contract No.:**

4600019710

**Client P.O.:****Contractor:**

Marco Maritimes

**CC:**

Fax

**ATTENTION:** Krista Ranahan, P.Eng.

**PHONE:** (902) 722-1207

**FAX:**

**Email:**

krista.ranahan@no

**Project:** FO1-55-02-01 - JL Ilsley High School Concrete Testing

**Supplier:** Casey Metro  
**Mix No:**  
**Formwork:** Wood  
**Date Placed:** 04-Feb-20  
**Weather:** Overcast  
**Vibrators:** Whip  
**Method Of Placing:** Pump  
**Method Of Curing:** Tarps  
**Specified Properties: Strength, @28 Days :** 25 MPa, **Slump:** 80 +/- 20 mm **Air:** 6 +/- 1 %

Load No.	Ticket No.	Truck No.	Time Record				Air (%)	Slump (mm)	Temp (C)		Volume		#Cyls Cast
			Batch	Tested	Unload	Elapsed			Conc	Air	Load	Cum.	
1	104031	31CM	12:22	13:45			6.8	80	20.3	2	8	8	5
2	104036	23CM	13:50	14:45			7.8	100	20.5	2	5	13	3

**Section:** Foundation Wall

**Location:** A(5-9) with bulkhead in centre

**Comments** Extra cylinders cast for verification.

Field Test results reported on site.

**Record No:** 29542

**Standby:**

0

**Englobe Tech:** Jamie Abraham

**PER**

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Project manager : Peter Salah



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**ATTENTION:** Krista Ranahan, P.Eng.

**PHONE:** (902) 722-1207

**FAX:**

**Email:**

krista.ranahan@no

**Project:** FO1-55-02-01 - JL Ilsley High School Concrete Testing

**Supplier:** Casey Metro **Mix No:** C25F1D1 **Date Placed:** 05-Feb-20  
**Formwork:** Wood **Method Of Placing:** Pump

**Weather:** Overcast **Vibrators:** Whip **Method Of Curing:** Insulated Tarps

**Specified Properties: Strength, @28 Days :** 25 MPa, **Slump:** 80 +/- 20 mm **Air:** 6 +/- 1 %

Load No.	Ticket No.	Truck No.	Time Record				Air (%)	Slump (mm)	Temp (C)		Volume		#Cylds Cast
			Batch	Tested	Unload	Elapsed			Conc	Air	Load	Cum.	
1	104049	37CM	13:44	15:00			7.6	90	17	0	8.00	8.00	3
2	104050	23CM	14:15	15:30			7.0	95	17	0	8.03	16.03	2
3	3071301	29CM	14:40	15:45			7.6	100	13	0	8.00	24.00	0

**Section:** Footings and Small Section of Wall

**Location:** Z1 (W5, W6), (Y7 X4), And Wall A(9 - 10)

**Comments** High air accepted by Site Super Stephen Ling. Quantity Total: 24 m3

Field Test results reported on site.

**Record No:** 29553 **Standby:** 0 **Englobe Tech:** Chelsea Casey

**PER**

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Project manager : Peter Salah



# CONCRETE TEST REPORT

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Our Project No.: 02000061.000.001

Client Contract No.: 4600019710

Client PO.:

Contractor:

CC:

Fax

Attn: Krista Ranahan, P.Eng.

Fax

Project: FO1-55-02-01 - JL Ilsley High School Concrete Testing

Email krista.ranahan@novascotia.ca

Set No: 1	No. Of Specimens: 3	Date Cast: 07 Jan 2020						
Specimen	Date Tested	Age At Test (Days)	Average Diameter(mm)	Cyl Density kg/m <sup>3</sup>	Maximum Load (kN)	Compressive Strength (MPa)	Failure Type	
A	14 Jan 2020	7	102		160	19.6	A	<input checked="" type="checkbox"/> A
B	04 Feb 2020	28	102	2314	227	27.8	A	<input checked="" type="checkbox"/> B
C	04 Feb 2020	28	102	2304	234	28.6	A	<input checked="" type="checkbox"/> C
								<input checked="" type="checkbox"/> D
								<input checked="" type="checkbox"/> E
								<input checked="" type="checkbox"/> F

  

Specified Properties	Test Information	Sample pickup at Site :
Strength @28 days(MPa): 28	Conc Temp°C N/A Slump (mm) 110/150	Date :
Slump (mm): 125 +/- 25	Air Temp°C : 1 Air(%): 1.6/3.5/5.7	Time :
Air (%): 6 +/- 1	Cast Time: 16:10 Cast By: MTL	Rec'd Sample at Lab :
Max Agg Size (mm):	Initial curing Temp (CSA: 15 - 25° C)	Date :
	Minimum: Maximum:	Time :
<b>Supplier Information</b>	Initial Curing Conditions :	
Supplier: Casey Metro	Inside curing box	
Batch Time: 15:37	Test samples cast in reusable hard plastic moulds.	
Truck No.: 37	Section: Partial Electrical Duct Bank	
Ticket No.: 103442	Location: Starting section from Drysdale	
Strength Delivered: 28 (MPa)	Comments:	
Mix No: C27101E	Field Test results reported on site.	
Load Vol: 4.78 m <sup>3</sup>		
Cum Vol: 4.78 m <sup>3</sup>		
Additives:		
Heat <input checked="" type="checkbox"/> Superplasticizer <input checked="" type="checkbox"/>		
Silica fume <input type="checkbox"/> Flyash <input type="checkbox"/>		
Set Retarder <input type="checkbox"/> Air Entrainment <input checked="" type="checkbox"/>		
Water Reducer <input type="checkbox"/> Accelerators <input type="checkbox"/>		
H2O Added <input type="checkbox"/> Authorized B		

Standby: 0

Record No 50477 Englobe Tech: BG 1

PER CSA CERTIFIED  
LABORATORY FOR TESTING

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N/A - Not Applicable or Not Available

Project manager : Peter Salah

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B3J 2N2

Our Project No.: 02000061.000.001

Client Contract No.: 4600019710

Client PO.:

Contractor: Marco Maritimes

CC:

Fax

Attn: Krista Ranahan, P.Eng.

### Fax

Project: FO1-55-02-01 - JL Ilsley High School Concrete Testing

Email: krista.ranahan@novascotia.ca

Set No: 12		No. Of Specimens: 3		Date Cast: 28 Jan 2020				
Specimen	Date Tested	Age At Test (Days)	Average Diameter(mm)	Cyl Density kg/m <sup>3</sup>	Maximum Load (kN)	Compressive Strength (MPa)	Failure Type	
A	04 Feb 2020	7	102		273	33.4	A	<input checked="" type="checkbox"/>
B	25 Feb 2020	28	102					<input checked="" type="checkbox"/>
C	25 Feb 2020	28	102					<input checked="" type="checkbox"/>
								<input checked="" type="checkbox"/>
								<input checked="" type="checkbox"/>
								<input checked="" type="checkbox"/>

  

Specified Properties		Test Information		Sample pickup at Site :	
Strength @28 days(MPa):	25	Conc Temp°C	20.5	Slump (mm)	100
Slump (mm):	80 +/- 20	Air Temp°C :	0.0	Air(%) :	6.5
Air (%) :	6 +/- 1	Cast Time:	14:50	Cast By:	MTL
Max Agg Size (mm):	20	Initial curing Temp (CSA: 15 - 25° C)		Minimum: Maximum:	
Supplier Information		Initial Curing Conditions :		Rec'd Sample at Lab :	
Supplier: Metro Casey		Inside curing box inside trailer		Date :	
Batch Time: 14:08		Test samples cast in reusable hard plastic moulds.		Time :	
Truck No.: 36CM		Section: Strip Footings and Box Footings		Date :	
Ticket No.: 103856		Location: SF : Line A ( 8-11 ) BF : B2, B3, C2, C3		Time :	
Strength Delivered: 25 (MPa)		Comments:			
Mix No: C25F1D1		Field Test results reported on site.			
Load Vol: 8.03 m <sup>3</sup>					
Cum Vol: 16.06 m <sup>3</sup>					
Additives:					
Heat	<input checked="" type="checkbox"/> Superplasticizer <input type="checkbox"/>				
Silica fume	<input type="checkbox"/> Flyash <input type="checkbox"/>				
Set Retarder	<input type="checkbox"/> Air Entrainment <input checked="" type="checkbox"/>				
Water Reducer	<input type="checkbox"/> Accelerators <input type="checkbox"/>				
H2O Added <input type="checkbox"/> Authorized B					

Standby:

1

Record No 50567

Englobe Tech: Joel #1

PER

*B. Colwell*



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N/A - Not Applicable or Not Available

Project manager : Peter Salah



# Englobe

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Client PO.:

Contractor: Marco Maritimes

CC:

Fax

Attn: Krista Ranahan, P.Eng.

Fax

Project: FO1-55-02-01 - JL Ilsley High School Concrete Testing

Email krista.ranahan@novascotia.ca

Set No: 14		No. Of Specimens: 3		Date Cast: 30 Jan 2020				
Specimen	Date Tested	Age At Test (Days)	Average Diameter(mm)	Cyl Density kg/m <sup>3</sup>	Maximum Load (kN)	Compressive Strength (MPa)	Failure Type	
A	06 Feb 2020	7	102	2351	209	25.6	A	<input checked="" type="checkbox"/>
B	27 Feb 2020	28	102	2345				<input checked="" type="checkbox"/>
C	27 Feb 2020	28	102	2345				<input checked="" type="checkbox"/>
								<input checked="" type="checkbox"/>
								<input checked="" type="checkbox"/>
								<input checked="" type="checkbox"/>

  

Specified Properties		Test Information		Sample pickup at Site :	
Strength @28 days(MPa):	25	Conc Temp°C	20.5	Slump (mm)	95
Slump (mm):	80 +/- 20	Air Temp°C :	-8	Air(%) :	5.3
Air (%) :	6 +/- 1	Cast Time:	11:50	Cast By:	MTL
Max Agg Size (mm):	20	Initial curing Temp (CSA: 15 - 25° C)		Date :	
		Minimum: Maximum:		Time :	
Supplier Information		Initial Curing Conditions :		Rec'd Sample at Lab :	
Supplier: Casey Metro		Inside curing box inside trailer		Date :	
Batch Time: 11:07		Test samples cast in reusable hard plastic moulds.		Time :	
Truck No.: 39CM		Section: Walls and Footings			
Ticket No.: 103908		Location: Foundation Walls - A(5-1), 2m section at 1A; Pads - 4(B, C), 5(B, C), 6(B, C), Z2/W2, Z2/W3; Strip Footing - A(11-14).			
Strength Delivered: 25 (MPa)		Comments:			
Mix No: C25F1D1		Field Test results reported on site.			
Load Vol: 8.03 m <sup>3</sup>					
Cum Vol: 8.03 m <sup>3</sup>					
Additives:					
Heat	<input checked="" type="checkbox"/> Superplasticizer				
Silica fume	<input type="checkbox"/> Flyash				
Set Retarder	<input type="checkbox"/> Air Entrainment				
Water Reducer	<input type="checkbox"/> Accelerators				
H2O Added	<input type="checkbox"/> Authorized B				

Standby: 0

Record No 50598

Englobe Tech: Jamie Abraham 1

PER

*B. Calwell*



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N/A - Not Applicable or Not Available

Project manager : Peter Salah



# Englobe

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Client PO.:

Contractor: Marco Maritimes

CC:

Fax

Attn: Krista Ranahan, P.Eng.

Fax

Project: FO1-55-02-01 - JL Ilsley High School Concrete Testing

Email krista.ranahan@novascotia.ca

Set No: 15		No. Of Specimens: 3		Date Cast: 30 Jan 2020				
Specimen	Date Tested	Age At Test (Days)	Average Diameter(mm)	Cyl Density kg/m <sup>3</sup>	Maximum Load (kN)	Compressive Strength (MPa)	Failure Type	
A	06 Feb 2020	7	102	2350	224	27.4	A	<input checked="" type="checkbox"/> A
B	27 Feb 2020	28	102	2342				<input checked="" type="checkbox"/> B
C	27 Feb 2020	28	102	2346				<input checked="" type="checkbox"/> C
								<input checked="" type="checkbox"/> D
								<input checked="" type="checkbox"/> E
								<input checked="" type="checkbox"/> F

  

Specified Properties		Test Information		Sample pickup at Site :	
Strength @28 days(MPa):	25	Conc Temp°C	18.7	Slump (mm)	100
Slump (mm):	80 +/- 20	Air Temp°C :	-7	Air(%) :	5.2
Air (%) :	6 +/- 1	Cast Time:	15:00	Cast By:	MTL
Max Agg Size (mm):	20	Initial curing Temp (CSA: 15 - 25° C)		Date :	
		Minimum: Maximum:		Time :	
Supplier Information		Initial Curing Conditions :		Rec'd Sample at Lab :	
Supplier: Casey Metro		Inside curing box inside trailer		Date :	
Batch Time: 14:16		Test samples cast in reusable hard plastic moulds.		Time :	
Truck No.: 20CM		Section: Walls and Footings			
Ticket No.: 103916		Location: Foundation Walls - A(5-1), 2m section at 1A; Pads - 4(B, C), 5(B, C), 6(B, C), Z2/W2, Z2/W3; Strip Footing - A(11-14).			
Strength Delivered: 25 (MPa)		Comments:			
Mix No: C25F1D1		Field Test results reported on site.			
Load Vol: 8.03 m <sup>3</sup>					
Cum Vol: 54.21 m <sup>3</sup>					
Additives:					
Heat	<input checked="" type="checkbox"/> Superplasticizer <input type="checkbox"/>				
Silica fume	<input type="checkbox"/> Flyash <input type="checkbox"/>				
Set Retarder	<input type="checkbox"/> Air Entrainment <input type="checkbox"/>				
Water Reducer	<input type="checkbox"/> Accelerators <input checked="" type="checkbox"/>				
H2O Added <input type="checkbox"/> Authorized B					

Standby: 0

Record No 50600 Englobe Tech: Jamie Abraham 3

PER

*BCGhill*



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