



# Kontur Geotechnical Consultants Inc.

Unit 107 - 2071 Kingsway Avenue  
Port Coquitlam, B.C. V3C 6N2



## CONCRETE TEST REPORT

PROJECT NO.: K-211303-01  
CLIENT: PSA ENGINEERING LTD.  
C.C.: ADAMS CONCRETE LTD.

TO: PSA ENGINEERING LTD.  
4740 JOYCE AVE  
POWELL RIVER, BC  
V8A 3B6

ATTN: Sean Mcginn

PROJECT: PSA ENGINEERING LTD. LOCATION: POWELL RIVER  
WASTEWATER TREATMENT PLANT POWELL RIVER

SET NO.: 268 SPECIMENS: 6 CAST: 2022.Aug.31 TRANSPORTED: 2022.Sep.02 10:30 BY: PSA REC'D: 2022.Sep.02 BY: AP

SPCM NO.	SPECIMEN TYPE	SPECIMEN MASS (g)	CURE COND.	DATE TESTED	AGE AT TEST (DAYS)	TESTED BY	AVERAGE DIAMETER (mm) OR SIDE (mm x mm)	AVERAGE LENGTH OR SPAN (mm)	MAXIMUM LOAD (kN)	COMPRESSIVE OR FLEXURAL STRENGTH (MPa) Average	FRACTURE TYPE
A	Cylinder	3940	Lab	Sep.07	7	GV	101.6	203.2	276	34.0	☒ ☒ ☒
B	Cylinder	3950	Lab	Sep.14	14	GV	101.6	203.2	327	40.3	
C	Cylinder	3951	Lab	Sep.28	28	GV	101.6	203.2	338	41.7	
D	Cylinder	3946	Lab	Oct.26	56		101.6	203.2			
E	Cylinder	3889	Lab	Oct.26	56		101.6	203.2			
F	Cylinder	3910	Lab	Nov.29	90		101.6	203.2			

**SPECIFIED STRENGTH:** 35 MPa @ 56 DAYS

**CEMENT CONTENT:** kg/m<sup>3</sup>

**CEMENT TYPE:** GU

**POZZOLAN CONTENT:** kg/m<sup>3</sup>

**POZZOLAN TYPE:** FA

**MAXIMUM SIZE AGGREGATE:** 20 mm

**BATCH TIME:** 10:45

**ADMIXTURES:** GLENIUM 30/30 1.75L

**SUPPLIER:** ADAMS CONCRETE LTD.

**MIX NO.:** W2 (165)

**TRUCK NO.:** 1 **TICKET:** 4478

**LOAD VOL.:** 3.5 m<sup>3</sup> **CUM. VOL.** 3.5 m<sup>3</sup>

**WATER ADDED:** | **AUTH. BY:**

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**CONCRETE TEMPERATURE:** 21.0 °C

**AIR TEMPERATURE:** 20.0 °C

**SLUMP:** 135 mm **SPEC.:** 165 ±

**SLUMP FLOW:** mm **SPEC.:** ±

**FLOW TIME:** sec **SPEC.:**

**AIR:** 5.0 % **SPEC.:** 6.5 ± 1.5

**PLASTIC DENSITY:** kg/m<sup>3</sup>

**HARDENED DENSITY:** kg/m<sup>3</sup>

**CAST TIME:** 11:40

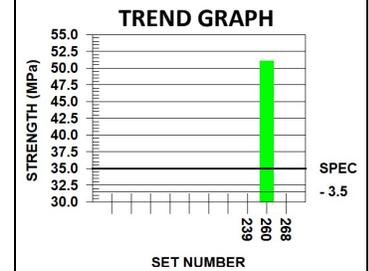
**CAST BY:** JW PSA **MOULD TYPE:** PLASTIC

**CURING CONDITIONS:** CURED IN COOLER IN ENGINEERING OFFICE

**INITIAL CURING TEMP: MAXIMUM** 24.5 °C **MINIMUM** 19.0 °C

**LOCATION:** TREATMENT SIDEWALK

**COMMENTS:**  
CAST BY PSA ENGINEERING LTD.  
WWTP SC21020, SET 268.



Gody Viana, A.Sc.T.  
Field + Quality Manager

Kontur Geotechnical Consultants Inc. PER.