

REPORT OF CONCRETE FIELD & LABORATORY TESTING

CLIENT: DN Tanks
 11 Teal Road
 Wakefield, MA 01880
 Attn: Mr. Jake Sreca

PROJECT: Middletown CT
 224 Talcott Ridge Drive
 Middletown, CT

DATE: October 1, 2020

REPORT #: 20-07-161-014

Page 1 of 3

General Location: Dome Slots

Date Cast: 9/24/2020
Field Rep: Stephen Sturges
Contractor: DN Tanks
Concrete Supplier: CT Ready Mix
Concrete Admixtures: Mix C
Air Temp: 72 °F
Weather: Sunny
Nominal Size of Aggr: 3/8"
Date Received by Lab: 9/25/2020

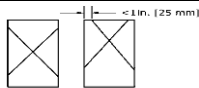
FIELD TEST RESULTS (Sampled in accordance with ASTM C172)

TICKET #	*# CYL	SLUMP TEST (in) (ASTM C143)	AIR CONTENT (%) (ASTM C231)	TEMPERATURE (°F) (ASTM C1064)	ELAPSED TIME		
					Batch	Final	Total (Min)
1008803	6	8.50"	7.60%	80 °F	1:31 PM	3:50 PM	139

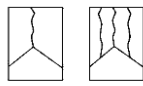
**Specimens molded/conditioned in accordance with ASTM C31/ASTM C1231*

LABORATORY COMPRESSIVE STRENGTH TESTING (ASTM C39)

Date of Test	Cylinder ID	Age	Cure	Avg Measured Diameter (in)	Cross Sectional (in ²)	PSI	Max. Load	Break Type
09/29/20	1A	5	LAB	6.00"	28.26"	3,170	89,680	2
10/01/20	1B	7	LAB	6.00"	28.26"	3,410	96,300	2
10/22/20	1C	28	LAB					
10/22/20	1D	28	LAB					
	1E		HOLD					
	1F		HOLD					



Type 1
Reasonably well-formed cones on both ends, less than 1 in. (25 mm) of cracking through caps



Type 2
Well-formed cone on one end, vertical cracks running through caps, no well-defined cone on other end



Type 3
Columnar vertical cracking through both ends, no well-formed cones



Type 4
Diagonal fracture with no cracking through ends; tap with hammer to distinguish from Type 1



Type 5
Side fractures at top or bottom (occur commonly with unbonded caps)



Type 6
Similar to Type 5 but end of cylinder is pointed

Specific Sample Location:	0-25 feet		
Yards Placed:	15.0	yards³	Design Strength: 4000 psi
Density:			
Remarks:	Sample obtained at truck		

Reviewed By:

Darlene Daniels

John Turner Consulting, Inc. considers the information contained in this report to be proprietary. Test results presented herein relate only to those items tested. This document and any information contained herein shall not be disclosed and shall not be duplicated or used in whole or in part for any purpose other than to validate test results without written approval from John Turner Consulting, Inc.

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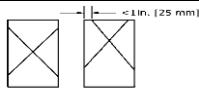
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					Batch	Final	Total (Min)
1008805	6	7.25"	8.40%	78 °F	2:38 PM	5:00 PM	142

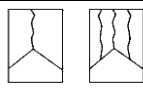
**Specimens molded/conditioned in accordance with ASTM C31/ASTM C1231*

LABORATORY COMPRESSIVE STRENGTH TESTING (ASTM C39)

Date of Test	Cylinder ID	Age	Cure	Avg Measured Diameter (in)	Cross Sectional (in ²)	PSI	Max. Load	Break Type
09/29/20	2A	5	LAB	6.00"	28.26"	3,250	91,940	2
10/01/20	2B	7	LAB	6.00"	28.26"	3,470	98,020	2
10/22/20	2C	28	LAB					
10/22/20	2D	28	LAB					
	2E		HOLD					
	2F		HOLD					



Type 1
Reasonably well-formed cones on both ends, less than 1 in. (25 mm) of cracking through caps



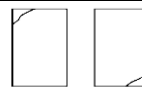
Type 2
Well-formed cone on one end, vertical cracks running through caps, no well-defined cone on other end



Type 3
Columnar vertical cracking through both ends, no well-formed cones



Type 4
Diagonal fracture with no cracking through ends; tap with hammer to distinguish from Type 1



Type 5
Side fractures at top or bottom (occur commonly with unbonded caps)



Type 6
Similar to Type 5 but end of cylinder is pointed

Specific Sample Location:	30-55 feet		
Yards Placed:	15.0	yards³	Design Strength: 4000 psi
Density:			
Remarks:	Sample obtained at truck		

Reviewed By: Darlene Daniels

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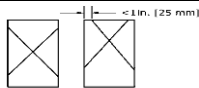
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					Batch	Final	Total (Min)
1008806	6	8.75"	8.20%	76 °F	4:02 PM	5:47 PM	105

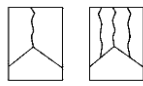
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LABORATORY COMPRESSIVE STRENGTH TESTING (ASTM C39)

Date of Test	Cylinder ID	Age	Cure	Avg Measured Diameter (in)	Cross Sectional (in ²)	PSI	Max. Load	Break Type
09/29/20	3A	5	LAB	6.00"	28.26"	3,340	94,480	2
10/01/20	3B	7	LAB	6.00"	28.26"	3,740	105,690	2
10/22/20	3C	28	LAB					
10/22/20	3D	28	LAB					
	3E		HOLD					
	3F		HOLD					



Type 1
Reasonably well-formed cones on both ends, less than 1 in. (25 mm) of cracking through caps



Type 2
Well-formed cone on one end, vertical cracks running through caps, no well-defined cone on other end



Type 3
Columnar vertical cracking through both ends, no well-formed cones



Type 4
Diagonal fracture with no cracking through ends; tap with hammer to distinguish from Type 1



Type 5
Side fractures at top or bottom (occur commonly with unbonded caps)



Type 6
Similar to Type 5 but end of cylinder is pointed

Specific Sample Location:	60-70 feet	Design Strength:	4000 psi
Yards Placed:	15.0 yards ³		
Density:			
Remarks:	Sample obtained at truck		

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