

## **REPORT OF CONCRETE FIELD & LABORATORY TESTING**

PROJECT:

CLIENT: DN Tanks

11 Teal Road Wakefield, MA 01880 Attn: Mr. Jake Sreca Middletown CT 224 Talcott Ridge Drive Middletown, CT

DATE: August 31, 2	2020	REPORT #:	20-07-161-002	Page 1 of 2
General Location:	Water Tank, Pipe pit			
Date Cast: Field Rep: Contractor: Concrete Supplier: Concrete Admixtures: Air Temp: Weather:	7/30/2020 Jason Reyes DN Tanks CT Ready Mix Super P 82 °F cloudy			
Nominal Size of Aggr:	1 1/2"			
Date Received by Lab:	7/31/2020 FIELD TEST RESULTS (Sampled	d in accordance	with ASTM C172)	

TICKET #	*# CYL	SLUMP TEST (in)	AIR CONTENT (%)	TEMPERATURE (°F)	ELAPSED TIME		1E
		(ASTM C143)	(ASTM C231)	(ASTM C1064)	Batch	Final	Total (Min)
1008058	6	7.00''	1.80%	86 °F	8:30 AM	10:25 AM	115

## \*Specimens molded/conditioned in accordance with ASTM C31/ASTM C1231 LABORATORY COMPRESSIVE STRENGTH TESTING (ASTM C39)

Test       Diameter (in)       Sectional (in <sup>2</sup> )       Image: Constraint of the section of the sect	Date of	Cylinder ID	Cylinder		e Avg Measured	Cross	PSI	Max. Load	d Break Type
08/02/20       A       3       LAB       6.00"       28.26"       3,170       89,720         08/06/20       B       7       LAB       6.00"       28.26"       3,400       95,970         08/27/20       C       28       LAB       6.00"       28.26"       4,220       119,200         08/27/20       D       28       LAB       6.00"       28.26"       4,280       120,980         08/27/20       D       28       LAB       6.00"       28.26"       4,280       120,980         E       HOLD		Cymider ib		Age Cui	-		F 31		ы блеактуре
08/06/20       B       7       LAB       6.00"       28.26"       3,400       95,970         08/27/20       C       28       LAB       6.00"       28.26"       4,220       119,200         08/27/20       D       28       LAB       6.00"       28.26"       4,280       120,980         E       HOLD       E       HOLD       E		Δ	Δ	3 1 4			3 170	89 720	2
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$\begin{array}{c c c c c c c c c c c c c c c c c c c $						1		,	2
E     HOLD       F     HOLD       F     HOLD       F     HOLD       Image: State of the sta									
F     HOLD       F     Hold <td< td=""><td>08/27/20</td><td></td><td></td><td>-</td><td></td><td>28.26"</td><td>4,280</td><td>120,980</td><td>2</td></td<>	08/27/20			-		28.26"	4,280	120,980	2
Image: Specific State S		E	E						
Type 1   Type 1     Neasonably well-formed cores on one process or uning the rest on one process or other end   Type 2     Well formed cores on one process or other end   Type 3     Columnar ended, no well- formed cores on other end   Type 3     Stable thread one on other end   Type 4     Stable thread one on other end   Type 5     Stable thread one on othere end   Type 5 <td></td> <td>F</td> <td>F</td> <td>HO</td> <td>.D</td> <td></td> <td></td> <td></td> <td></td>		F	F	HO	.D				
Type 1   Type 2     Reasonably well-formed cores on both cards, log transmission to the rend well-formed cores on other end   Type 2     Will formed cores on both cards, log transmission to the rend well-formed cores on other end   Type 3     Will formed cores on both cards, log transmission to the rend well-formed cores on other end   Type 3     Columnar vertical cardsing through both ends, no well-formed cores   Type 3     Columnar vertical cardsing through both ends, no well-formed cores   Type 3     Side fractures at top or both ends, from Vertical cardsing through both ends, no well-formed cores   Type 3									
Type 1   Type 2     Reasonably well-formed cores on both cards, log transmission to the rend well-formed cores on other end   Type 2     Will formed cores on both cards, log transmission to the rend well-formed cores on other end   Type 3     Will formed cores on both cards, log transmission to the rend well-formed cores on other end   Type 3     Columnar vertical cardsing through both ends, no well-formed cores   Type 3     Columnar vertical cardsing through both ends, no well-formed cores   Type 3     Side fractures at top or both ends, from Vertical cardsing through both ends, no well-formed cores   Type 3									
Type 1 Reasonably well-formed cortes on both cash, led tracking through caps   Type 2 Well-formed core on one well-formed core on other end   Type 3 Type 3 Columan z vertical cracking through both ends, no well- formed cores   Type 4 Diagonal Technik Interview with no cracking through cops, so well- formed cores   Type 3 Type 3 Columan z vertical cracking through both ends, no well- formed cores   Type 4 Diagonal Technik Interview with no cracking through both ends, no well- distinguish from Type 1   Type 5 Side fractures at top or both monor to with unbonded caps)   Type 5 Similar to Type 5 Similar to Type 5 Similar to Type 5									
Type 1   Type 2     Reasonably well-formed cores on both cards, log transmission to the rend well-formed cores on other end   Type 2     Will formed cores on both cards, log transmission to the rend well-formed cores on other end   Type 3     Will formed cores on both cards, log transmission to the rend well-formed cores on other end   Type 3     Columnar vertical cardsing through both ends, no well-formed cores   Type 3     Columnar vertical cardsing through both ends, no well-formed cores   Type 3     Side fractures at top or both ends, from Vertical cardsing through both ends, no well-formed cores   Type 3									
Reasonably well-formed Well-formed conce on one Columnar variational cracking branchines in the stude fractures at top or Type 6 concern on both ends, less end, vertical cracks running variation cracking through ends, so well- than 1 in 1									
Specific Sample Location: Dipo pit	Reasonably v cones on bott than 1 in. [	well-formed h ends, less 25 mm) of	well-formed th ends, less [25 mm] of	Well-formed cone on one end, vertical cracks running through caps, no well-	Columnar vertical cracking through both ends, no well-	Diagonal fracture with cracking through en tap with hammer t	ds; 50 o bott	e fractures at top or com (occur commonly	Type 6 Similar to Type 5 but end of cylinder is pointed
	Specific Sar	mple Locatio	mple Locat						
Yards Placed: 20 yards <sup>3</sup> Design Strength: 4000 psi									
Density:	Density:			-		- •		-	
Remarks:	-								

**Reviewed By:** 

Darlene Daniels

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		(ASTM C143)	(ASTM C231)	(ASTM C1064)	Batch	Final	Total (Min)
1008080	6	5.00"	1.80%	86 °F	9:03 AM	10:59 AM	116

## \*Specimens molded/conditioned in accordance with ASTM C31/ASTM C1231 LABORATORY COMPRESSIVE STRENGTH TESTING (ASTM C39)

Date of	Cylinder ID	Age	Cure	Avg Measured	Cross	PSI	Max. Load	Break Type	
Test				Diameter (in)	Sectional (in <sup>2</sup> )				
08/02/20	А	3	LAB	6.00''	28.26"	3,060	86,490	3	
08/06/20	В	7	LAB	6.00''	28.26''	3,150	89,100	2	
08/27/20	С	28	LAB	6.00''	28.26''	4,240	119,890	2	
08/27/20	D	28	LAB	6.00''	28.26''	4,390	123,960	2	
	E		HOLD						
	F		HOLD						
Type 1       Type 2       Type 4       Type 5       Type 5         Reasonably wellformed       Well-formed cone on one       Type 3       Diagonal fracture with no       Side fractures at top       Type 6         cores on both ends, less       end, vertical cracks running       Columnar vertical cracking through ends;       Side fractures at top       Similar to Type 5       Similar to Type 5         than 1, 125 mml of       through caps, no well-       through both ends, no well-       top with hammer to       bott onds, no well-       top with hammer to       ottom       Gradwing through ends;       of cylinder is pointed         cracking through caps       defined cone on other end       formed cones       distinguish from Type 1       with unbondied caps)       of cylinder is pointed									
Specific Sample Location: Pipe pit									
Yards Placed: 20 yards <sup>3</sup> Design Strength: 4000 psi									
Density:									
Remarks:									

**Reviewed By:** 

Darlene Daniels

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