

PROJECT:	Durham Meadows Waterline Remedial Design		
CONTRACT NO:	W912WJ19C0002	AECOM PROJECT NO.:	60494812
ENGINEER'S SUBMITTAL NO.:	02435-1	REVISION IDENTIFIER:	
CONTRACTOR'S SUBMITTAL NO.:	02435-1	REVISION IDENTIFIER:	
SUBJECT:	3/4"-inch Crushed Stone		
REVIEW CODES: A – Approved as submitted. D – Will be returned by separate correspondence. X – Receipt acknowledged, does not comply with contract requirements, as noted. B – Approved, except as noted on drawings. Resubmission not required. E – Disapproved. Refer to attached comments. G – Other action required. C – Approved, except as noted on drawings. Refer to attached comments. Resubmission required. F – Receipt Acknowledged.			
The Engineer's review is for general conformance with the design concept and Contract Documents. Markings or comments shall not be construed as relieving the Contractor from compliance with the Contract plans and specifications or from departures there from. The Contractor remains responsible for details and accuracy, for confirming and correlating all quantities and dimensions, for selecting fabrication processes, for techniques of assembly, and for performing work in a safe manner. AECOM Technical Services, Inc.			
DATE:	2 May, 2019	REVIEWER:	R. Berlandy

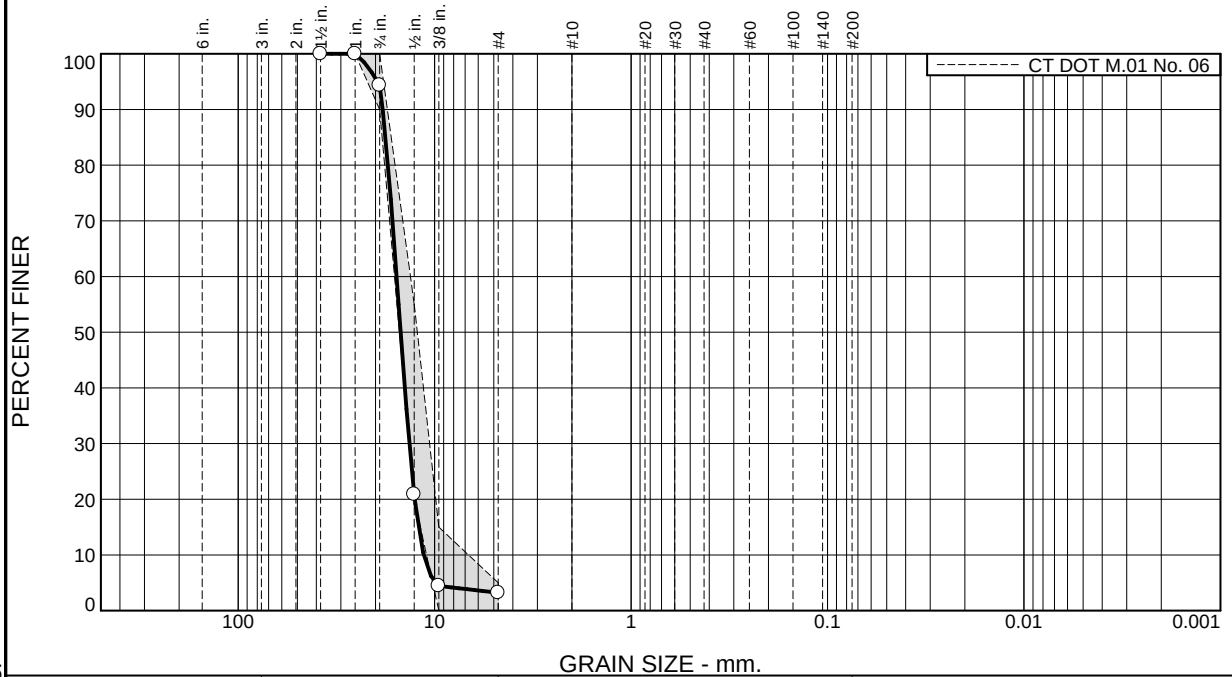
The review is provided to assist the contractor in the management of construction. It should not be considered complete. In order to maintain continuity between submittals, the previous comment numbers have been retained. The shop drawing review comments follow:

COMMENT NUMBER	REFERENCE	CODE	COMMENT
1.	02435 2.01 A	E	Gradation and physical properties to conform to ASTM C33, Size Number 67 not Number 6.

TRANSMITTAL OF SHOP DRAWINGS, EQUIPMENT DATA, MATERIAL SAMPLES, OR MANUFACTURER'S CERTIFICATES OF COMPLIANCE				DATE 4/22/2019		TRANSMITTAL NO. 02435-1		
For use of this form, see ER 415-1-0; the proponent agency is CECW-CE								
SECTION I - REQUEST FOR APPROVAL OF THE FOLLOWING ITEMS (This section will be initiated by the contractor)								
TO: WESTOVER RESIDENT OFFICE 570 Patriot Avenue Box 70 Chicopee, MA 01022-1634		FROM: Ludlow Construction Co., Inc. 19 Carmelina's Circle, Ludlow MA01056		CONTRACT NO. W912WJ19C0002		THIS IS A: NEW TRANSMITTAL		
SPECIFICATION SEC. NO. (Cover only one section with each transmittal) 02435-		PROJECT TITLE AND LOCATION 01 Durham Meadows Waterline Remedial Design,		THIS TRANSMITTAL IS FOR: (Check one) ☐ FIO ☒ GA ☐ DA ☐ CR ☐ DA/CR ☐ S				
ITEM NO. (See Note 3) a.	DESCRIPTION OF SUBMITTAL ITEM (Type size, model number/etc) b.	SUBMITTAL TYPE CODE (See Note 8) c.	NO. OF COPIES d.	CONTRACT REFERENCE DOCUMENT SPEC. PARA NO. e.	DRAWING SHEET NO. f.	FOR CONTRACTOR USE g.	VARIATION (See Instruction No. 6) h.	FOR CE USE CODE (Note 9) i.
1	Crushed Stone Test Results	06 - TEST REPORTS	0	1.04-A.1		A	No	
Remarks from Contractor								
I certify that the above submitted items have been reviewed in detail and are correct and in the strict conformance with the contract drawings and specifications except as otherwise stated.								
NAME AND SIGNATURE OF CONTRACTOR								
SECTION II - APPROVAL ACTION								
ENCLOSURES RETURNED (List by item No.)				NAME, TITLE AND SIGNATURE OF APPROVING AUTHORITY			DATE	
ENG FORM 4025-R, JUL 2015								
REPLACES EDITION OF MAR 2012, WHICH IS OBSOLETE								

These results are for the exclusive use of the client for whom they were obtained.
They apply only to the samples tested and are not indicative of apparently identical samples.

Particle Size Distribution Report



% +3"	% Gravel		% Sand			% Fines	
	Coarse	Fine	Coarse	Medium	Fine	Silt	Clay
0.0	5.7	91.1				3.2	

TEST RESULTS (ASTM C 136)			
Opening Size	Percent Finer	Spec.* (Percent)	Pass? (X=Fail)
1-1/2	100.0		
1	100.0	100.0 - 100.0	
3/4	94.3	90.0 - 100.0	
1/2	20.8	20.0 - 55.0	
3/8	4.4	0.0 - 15.0	
#4	3.2	0.0 - 5.0	

* CT DOT M.01 No. 06

Material Description

3/4" Stone

Atterberg Limits (ASTM D 4318)

PL= N/A LL= N/A PI= N/A

Classification

USCS (D 2487)= N/A AASHTO (M 145)= N/A

Coefficients

D₉₀= 18.3855 D₈₅= 17.7832 D₆₀= 15.6170
D₅₀= 14.8953 D₃₀= 13.4581 D₁₅= 12.0863
D₁₀= 11.3617 C_u= 1.37 C_c= 1.02

Remarks

Material meets the CT DOT M.01.01 No.6 Specification

Date Received: 04/18/2019 Date Tested: 04/18/2019

Tested By: Qais Masad

Checked By: Salah Al-Bakri

Title: Lab Manager

Source of Sample: Deep River Quarry
Sample Number: 19-2125

Date Sampled: 04/18/2019

**COASTAL MATERIALS
TESTING LAB, LLC**
West Haven, Connecticut

Client: Haynes Materials
Project: Various

Project No: 12-018

Figure