



**QUESTIONS AND ANSWERS NO. 1
FOR THE DURHAM LIME SYSTEM MODIFICATIONS PROJECT NO. 6980
CLEAN WATER SERVICES**

ISSUED: JANUARY 8, 2021

BID DUE DATE: JANUARY 14, 2021

Clarifications or answers to common questions are not legally binding. They are informational only.

This document contains 2 pages.

Comment No.	Drawing / Spec Section	Facility / Location	Comment	Type of Comment (Issue/Question/VE/Constructability)	Response
1	M102	Lime Feed Room	What material class is to be used for HPA piping?	Question	HPA piping shall be Standard Weight Steel with Socket-Welded Fittings. Pipe - ASTM A53/A106, Type S, standard weight, Grade B, Plain ends. Fitting - Forged steel socket welded. Fittings shall conform to ANSI B16.11, Class 3000; Bonney, Crane, Ladish, or Vogt. See specification 15065 issued with addendum #3.
2	M102	Lime Feed Room	Where are the tie points for NPW?	Question	NPW tie ins are located in the existing trenches. Shown on M102 with "NPW" line type.
3	M102	Lime Feed Room	What is the approximate distance to hot water tie-in?	Question	Approximately 200 feet horizontally and 40 feet vertically.
4	M102	Lime Feed Room	What size is tie-in point for HPA?	Question	1 inch
5	M502/Detail 1	Gallery	What size is tie-in point for Hot Water?	Question	1 inch
6	M501/Detail 3	AB3 & AB4 Road Crossing	How many feet of existing Lime Feed lines is to be demolished	Question	Approximately 1000 linear feet.
7	M501/Detail 3	AB3 & AB4 Road Crossing	How many feet of flexible hose will be required?	Question	The existing pipes are under the roadway are approximately 40 feet in length, so the straight runs will require about 80 feet total of material. Note that this crossing has been modified to use hard pipe by addendum.
8	11060/1-1		Where is Butterfly Valve - 320FCV1305 located? Not seeing it in P&ID's or plan views.	Question	The sentence referencing 320FCV1305 deleted by Addendum No. 3.
9	11726/2-13, M301	Lime Feed Room	Shall peristaltic pump platforms be designed and manufactured by equipment vendor? Shall pumps come pre-mounted by equipment vendor to platform skid prior to field installation?	Question	No. Pump platforms shall 96"x36" steel workbenches, Uline H-3626 or equal as per note on M102. Platforms be procured and installed by contractor, and pumps shall be mounted, installed, and commissioned by contractor.
10	11726/2-13, M301	Lime Feed Room	Shall 4" Lime Slurry suction header be part of a prefabricated skid assembly associated with pumps?	Question	No. All piping shall be procured and installed by contractor.
11	M101 & I601	Lime Feed Room	If 810FV5728 & 5738 are 120V motor actuated do they also require HPA supply/connection? I601 does not show HPA connection, M102 does.	Question	810FV5728 and 810FV5738 do not require air. These were deleted from the notes on M102 by Addendum No. 3.
12	Bid Form		Please confirm if cost per ft unit pricing is only applicable to 2" CPVC home runs from peristaltic pumps to AB's 1 through 5.	Question	Correct. The remainder of the work under this contract shall be included in the lump sum price.
13	M101	AB-5	Please provide connection detail for Aeration Basin 5.	Question	Connection is to an existing 3" PVC pipe located in the tunnel and as discussed in the site walkthrough. Detail added by Addendum No. 3.
14	M501/Detail 3	EFDS	Please provide routing for 2" CPVC Lime Slurry lines to EFDS.	Question	This routing was discussed at the walkthrough and follows the existing trench. Approximate length is 325 ft. If further detail is required, request additional site visit.
15	M501/Detail 3		Please provide routing for 3" CPVC Lime Slurry to be replaced.	Question	This routing was discussed at the walkthrough and follows the existing trench. Approximate length is 325 ft. If further detail is required, request additional site visit.
16	M503	Lime Feed Room	Detail 1 on M503 says the bin activator is being owner supplied. Please confirm this is to be provided as part of the Lime system equipment package.	Question	The words "Owner-provided" G61 deleted by Addendum No. 3.
17	M102	Lime Feed Room	Shall Clay & Bailey Model 1700 Pres/Vac Relief Valve be provided as part of equipment Vendor package or by contractor?	Question	Pressure/Vacuum relief valve shall be provided by contractor.