

**CITY OF NAPLES  
PURCHASING DIVISION  
CITY HALL, 735 8<sup>TH</sup> STREET SOUTH  
NAPLES, FLORIDA 34102  
PH: 239-213-7100 FX: 239-213-7105**

**ADDENDUM NUMBER 1**

NOTIFICATION DATE:	BID TITLE:	BID NUMBER:	BID OPENING DATE & TIME:
05/22/12	WWTP Motor & Pump Replacement	045/12	05/31/12 2:00PM

**THE FOLLOWING INFORMATION IS HEREBY INCORPORATED INTO,  
AND MADE AN OFFICIAL PART OF THE ABOVE REFERENCED BID.**

**\*\*Change: Attached is a modification to the design. Additionally, the City is withdrawing the bid for the 350 hp motor and pump. \*\***

*Questions:*

1. *What is the Engineer's Estimate for this project?*

The City has budgeted \$150,000 for the project, but there is no official engineer's estimate.

2. *The bid document did not state number of days to be completed or liquidated damages.*

The City anticipates 120 days for substantial completion, 180 days for final completion.

3. *The 600 HP Reuse Pump model 17HQ 3 curve shows 6500GPM at 278 FT. The technical specification table page 15 states 8500 GPM. Is 6500 GPM the correct flow?*

6,500 gpm is the correct flow at 278 FT which is the optimum design flow rate of the specified pump. 8,500 gpm is the maximum run-out "CAP" of the pump per the performance curve.

4. *The 350 HP and the 600 HP pump are these variable speed driven?*

Only the 600 hp is variable speed driven. The 350 hp unit is Soft Start and run at full/constant speed.

5. *If these pumps are VFD driven they will require a Torsional and Reed Critical analysis to confirm design of pump. All manufactures would require this to protect against problematic operation points. If VFD operation can you provide the minimum and maximum speed envelope of these pumps we can design the pumps to operate without critical or destructive frequency 15% above full speed and 20% below the slowest speed.*

**Bidders shall provide a Torsional & Reed Critical Analysis to confirm design of pump. Also, for VFD operation, bidders must assure City that pump can operate without problems at 15% above full speed and 20% below slowest speed.**

**IMPORTANT MESSAGE**

**PLEASE ACKNOWLEDGE RECEIPT OF THIS ADDENDUM ON THE BID COVER SHEET.**

6. *Regarding the above referenced project, the drawings indicate only one of the discharge head dimensions, where they are different for the 350HP and 600HP, can the drawing for the missing one be provided? The drawings also do not note the depth of the sump where the pumps are mounted. Can this be provided or the overall length of the existing pumps be as well?*

The 350 HP pump is being withdrawn from consideration. The design modification attached addresses the second question.

Pre-Bid Attendees:

Attached is a copy of the attendees at the pre-bid meeting held on May 15, 2012.

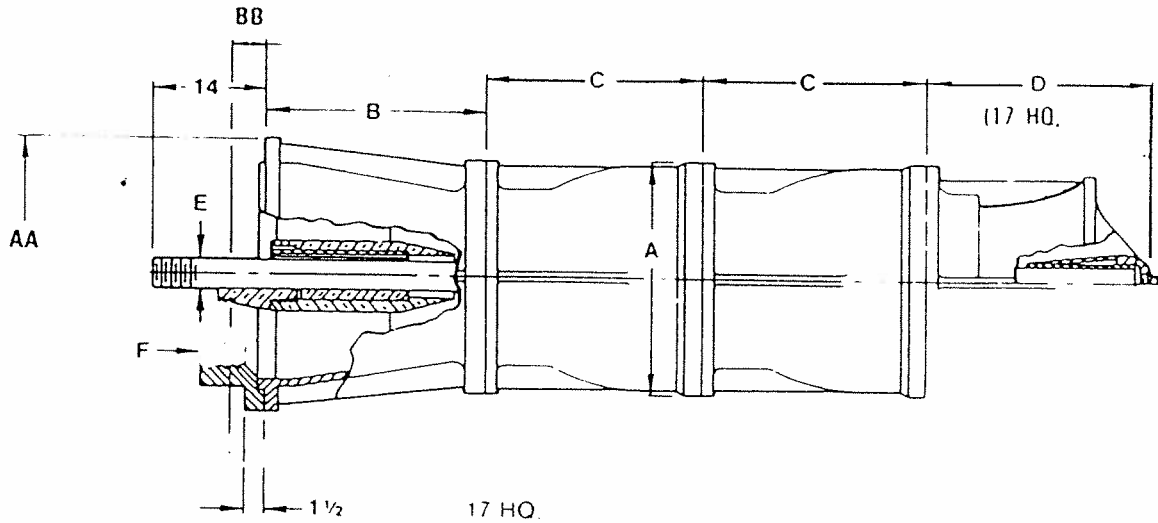
IMPORTANT MESSAGE

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# HQ VERTICAL CIRCULATOR PUMPS

## Bowl Assemblies – Technical Data



PUMP SIZE		17" — HQ	
<b>DIMENSIONS OF PUMP ASSEMBLY</b>	O.D. A*	16 <sup>7</sup> / <sub>8</sub>	
	Maximum O.D. AA	16 <sup>7</sup> / <sub>8</sub> † 20 † †	
	Length Top Case B	9 <sup>7</sup> / <sub>8</sub> † 16 † †	
	BB	3 † 1 <sup>1</sup> / <sub>2</sub> † †	
	Length Series Case C	16 <sup>1</sup> / <sub>4</sub>	
	Length Bottom Case D	15 <sup>12</sup> / <sub>16</sub>	
	Length One Stage Assembly	42 <sup>7</sup> / <sub>16</sub> † 48 <sup>3</sup> / <sub>16</sub> † †	
	Length Ea. Add. Stage C	16 <sup>1</sup> / <sub>4</sub>	
	<b>PUMP SHAFT</b>	Standard Diameter E	2 <sup>7</sup> / <sub>16</sub>
		Weight Per Foot	12.8
	Std. Outer Column Size F	16 † †	
	Suct. Pipe Size Only G	N.A.	
<b>WEIGHT*</b>	First Stage	700	
	Each Add. Stage	295	
	Weight of Impeller	42	
	End Float	L — 1 <sup>21</sup> / <sub>32</sub> H — 3 <sup>1</sup> / <sub>32</sub>	

SUCTION BELL

\* Check column coupling O.D. for well clearance.

† Max O.D. when 12" col. used.

**NON-MANDATORY PRE-BID  
WWTP Motor & Pump Replacement  
#045-12  
May 15, 2012 10:00 AM**

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**NON-MANDATORY PRE-BID  
WWTP Motor & Pump Replacement  
#045-12  
May 15, 2012 10:00 AM**

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