



The Clarifier

VOLUME TWELVE, ISSUE THREE

DOYLESTOWN, PA

JUNE 2016

Stone Hill Apparent Low Bidder on Two Projects in One Week

Stone Hill Contracting was the apparent low bidder on two projects during a busy week in mid-May. On Wednesday, May 11th Stone Hill was the apparent low bidder on the one million gallon elevated water storage tank for the Borough of Wharton, in Morris County, NJ. The \$3.7 million project includes the erection of a bolted steel composite 1 million gallon water storage tank, which will be the second elevated tank for the Borough. Stone Hill was the low of four (4) bidders on this project.

Two days later on Friday, May 13th Stone Hill Contracting was the apparent low bidder on the combined blower building project for Bayshore Regional Sewerage Authority in Union Beach, NJ. This \$6.1 Million project is another project for Bayshore, which is a result of Hurricane Sandy in 2012. Stone Hill is currently working on two projects for Bayshore, and looks forward to working with them on this project as well. As the Clarifier goes to press, Stone Hill was notified of the award on this project, and as such Stone Hill is preparing to hit this project running.

Stone Hill continues to build backlog, while at the same time, is thrilled to be successful in being low bidder on these two projects, and they look forward to the potential of moving forward on both of these projects.

2nd Annual Max S. Mott Memorial Golf Outing

In March of last year, Max S. Mott, former Vice President of Stone Hill Contracting, died unexpectedly during a family vacation to Florida. Shortly thereafter, the management of Stone Hill decided to do something to honor Max, and due to his and his brother Sam's love for the game of golf, it was decided a golf outing would be the best way to remember Max each year.

The 2nd Annual Max S. Mott Memorial Golf Outing will be held on Saturday, September 10th at the Bucks Club, located at 2600 York Road in Jamison, PA. Registration will begin at 6:45 AM, with a Shotgun start at 7:45 AM. Golf and lunch will be provided by Stone Hill Contracting, but sponsorships are available. Registration and sponsor information can be found at www.StoneHillContracting.com



Stone Hill Awarded Another Project for North Jersey District Water Supply Commission

As the Clarifier was being sent to press, it was held up in order to announce that Stone Hill Contracting is being awarded a not to exceed \$8.2 million dollar design build project for North Jersey District Water Supply Commission for the Clarifier System Rehab in Basins 5&6 at their water treatment facility in Wanaque, NJ. This project involves the removal of existing tube settlers and the installation of new stainless steel plate settlers, as well as sludge collectors, and work on the flocculators. Stone Hill is proud to be teaming with HDR Engineering and Spark Electric on this project. This will be the third design build project that Stone Hill has acquired with North Jersey District Water Supply Commission, and the staff and management are thrilled to once again be working with this great organization.

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Special points of interest:

- Stone Hill awarded new projects
- Max S. Mott Memorial Golf Outing

City of Wilmington WWTP

In just a few short weeks, Stone Hill was able to provide Honeywell with a pump station and 500' of 8" HDPE discharge piping at the Wilmington Delaware Wastewater Treatment Facility. Prior to this installation, it was determined that sewer temporary lines could not handle the process from the Renewable Energy Biosolids Facility and a bypass pumping system was put in place.

Stone Hill installed an 8' diameter x 14' deep concrete pump station provided by Atlantic Concrete Products and tied into it from the existing manhole upstream, as well as ran piping to the Veolia treatment facilities distribution box. Marino Industrial Systems provided the associated electrical work and the system went online just three weeks after work commenced. Many thanks to all who helped make this happen.



GROWS LFG Flare Installation

Stone Hill Contracting Co., Inc. is teaming up once again with SCS Engineers, Tangibl, LLC, and the John Zink Company, LLC to install and startup a new enclosed flare for Waste Management at their Grows North Landfill. Waste Management had previously procured the flare, which is in the final stages of fabrication, so Stone Hill's main focus is the site work, flare foundation, and piping modifications, as well as assisting Tangibl LLC as they complete the electrical portion of the project.

This is another quick project, with less than two months from start to finish the job, the pressure is on to perform. To date the flare foundation, electrical duct bank, and most of the HDPE piping has been completed. At press time, the John Zink Company equipment is in transit from Oklahoma, and installation will begin immediately upon arrival at the site, with startup occurring about a week later.



Bayshore Niro Incinerator Project

The Clarifier Newsletter is published quarterly by Stone Hill Contracting Co., Inc. PO Box 1370 Doylestown, PA 18901

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Designed and Printed by: Grace Media Services, Inc.

The incinerator project continues with the mechanical portion of the project. Gas ducts have been installed to direct the incinerator flue gas to the scrubber equipment and is currently being pressure tested. M&R Insulation is mobilizing to insulate and put the finishing touches on the gas ducts. Water and compressed air pipe installations to pumps and equipment continue. The main push to startup the incinerator remains. Tentative start up dates for various pieces of equipment will begin at the end of May 2016. This will begin the long and grueling process to fine-tune a functioning incinerator package. The startup will include 3 air compressors, 2 air dryers, 17 pumps, 6 Fans/ Blowers, 3 MCCs, VFDs, PLCs, 5 pieces of scrubber equipment, and 1 incinerator.



With the arrival of the new MCCs in early April, MBE Mark III Electric continues the mission to energize the new equipment. MBE's focus will be on connecting the power feeds to the new MCCs as well as installing conduit and pulling wire to the equipment to keep us on target for startup. Current start up for the new MCCs is scheduled for the end of May 2016.

While the mechanical and electrical sides of the project progress, the architectural segment takes flight. Delva Data has begun installing the raised flooring system in one of the two control rooms and is hoping to begin the second control room by press time. Freehold Carpentry will also be on site to begin the carpentry, drywall, and drop ceiling requirements of the project. Once this work is complete, TT&T Finishing Contractors will put the finishing touches on the project.

Warren Township WWTP

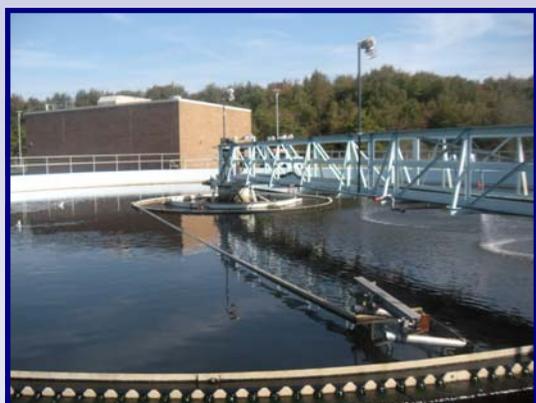
Stone Hill Contracting has completed the concrete work, which consisted of a cantilever slab over the existing UV structure, which will support a new FRP enclosure, supplied by Shelter Works. They also have completed the first of three UV channels and MBE Mark III Electric is running power and controls to all the Trojan UV equipment. Hays Sheet Metal has installed new heaters, louvers & exhaust fans for the new enclosure.

Other work on site is the rehabilitation of two process tanks. WTSA has turned over the first (of two) tanks to Stone Hill. Jack Pears & Associates completed the demo work which included removal of the existing clarifier equipment, oxidation rotors, bridge walkway diamond plate, and handrail. TT&T Finishing Contractors have moved on site and have begun blasting & painting the existing steel bridge, and new clarifier/oxidation ditch equipment supplied by Envirodyne Systems.

Stone Hill is also replacing several of the plug valves in the sludge pit and the yard.



OCUA Area-Wide Clarifier Rehabilitation



Although work has not yet started in the field, this does not mean that progress on the OCUA Area Wide Clarifier project has not been made. Since the contract with OCUA was finalized in February, the upfront project management has made good progress, with all of the major suppliers and subcontractors committed to, about a third of the shop drawings have been submitted, and most of those have already been reviewed and returned by the Owner.

In the next few weeks, it is expected that the test pits and as-built information will be completed, allowing for the major equipment to be released, on schedule, so that the actual construction work at the sites can begin this fall.

Northeast Philadelphia WPCP

The installation of the new pumps and associated piping and support equipment is well under way at the Effluent Pumping Station. With plant water pumps #1 & #2 installed during the month of March, Stone Hill Contracting turned their attention to the installation of gravity thickener pumps during the month of April. Maneuvering the almost 4,000 # pumps down into the basement of the pump station with limited overhead crane access and tight quarters was accomplished without incident.

Working in unison with Stone Hill, Nucero Electric Construction Co Inc., finalized the installation of the last VFD used to control the newly installed plant water and gravity thickener pumps. Along with the new VFD's, Nucero continued with the installation of various diameter aluminum conduit needed to both power and monitor the performance of the new pumps. As with the pumps, installation of the conduit proved to be challenging due to the confined working conditions.



The coming months will see Stone Hill Contracting test and put on line plant water pumps #1 & #2 allowing Jack Pears Inc., to demo the last two existing plant water pumps clearing the way for the installation of plant water pumps #3-#5. Excluding any unforeseen issues work is scheduled for completion in August 2016.

Bayshore R.S.A. Temporary Blower Project

This project consists of the installation of a temporary blower and associated piping in the existing blower building at the Bayshore Regional Sewerage Authority. The blower has been delivered and staged in the blower building and also the necessary modifications to the equipment pad have been completed.

With the pipe delivery expected by press time, Stone Hill hopes to move quickly with the installation and start-up of the new blower.



Camden County Sewage to Heat Project

The sewage to heat project at Camden County Municipal Utilities Authority was a successful one. This project had been featured in the previous Clarifier as one of a kind in the United States. This is because it is part of the going green movement, and consists of using raw sewage temperatures to assist in the heating of the buildings. This is made possible by the use of International Wastewater's SHARC UNIT system. A series of skids containing various equipment with grinder pumps, strainers, heat exchangers, valve systems, and a heat pump being used to transfer the energy of the raw sewage heat to the buildings glycol heating loop. This equipment along with three (3) submersible pumps and piping and valves was supplied and installed by Stone Hill. Scalfo Electric handled the electrical portion of the work; DB Guarino was on the design end, as well as many others who helped make this project possible. A special thanks goes to CCMUA and PSE&G for their support throughout the project.



North Jersey District Water Supply Commission Lagoon Decant Tower Project

Stone Hill Contracting, working closely with their Design Build Engineering Partners, Kleinfelder, Inc., and H2M Architects and Engineers, continue to move forward on the design build Lagoon Decant Tower project for North Jersey District Water Supply Commission. Doing the analytical work, the team is working closely with NJDWSC, Operations, Engineering and Lab staff to come up with the best solution, while still being mindful of the cost constraints of a design build contract.

It is expected in the coming months, additional testing, including process pilot tests will be performed in an effort to find the optimal solution to meet the needs of the Commission.

Wanaque South Pump Station

Stone Hill Contracting's Wanaque South Pump Station Project, is well underway, with the Eaton Reduced Voltage Starters and the Variable Frequency Drives scheduled for delivery in the coming months to coincide with the pump and motor deliveries. As the Clarifier goes to press, the removal of pump #1 was getting underway, which will be followed by the drive removals on pumps #1 and #6, then during the pump station shut down period in July and August is anticipated pumps #4 & 6 will be removed, and pending final delivery of equipment new pumps #1,4 and 6 and new drive #1 & 6 will be installed, as quickly as possible. Also during the shutdown this summer, it is expected Stone Hill's Design Build Partner, Keystone Engineering will perform the modifications to the Instrumentation system at the pump station. Electrical work is being performed by Spark Electric of Somerville, NJ.

Industry News

Jim Myers & Sons (JMS) Expands Operations

Jim Myers & Sons, (JMS) was happy to host a visit from Bob McIntyre of Stone Hill Contracting Company during his recent trip to Charlotte for the DBIA Conference. JMS is one of the nation's leading manufacturers of equipment and systems for the water and wastewater treatment industries. Since being established in 1962, JMS has experienced continual growth in both manufacturing demand and workforce, and completed a move to a new larger 72,000 ft² facility during the last year.

Prior to the move, an existing building was reconfigured to meet the administrative and manufacturing needs of the company. Traditional lighting in the entire shop floor area was replaced with new more efficient LED lighting to result in a net savings to the company. The office space for JMS Marketing and Application Engineering was expanded to house more personnel to meet customer needs.



The move a larger facility represents a significant increase in both plant and office space for JMS, with administrative and non-manufacturing areas more than doubling, and manufacturing footage netting a nearly 66% increase. From a manufacturing perspective, the move has provided space for expansion of many of the existing manufacturing processes and will allow for continued future growth. With careful design, the added floor space has increased efficiency by optimizing workflow layouts. In turn, this has resulted in a more competitive time-to-market schedule which is always a plus for customers.

The added space has also allowed for the addition of a New Generation Fiber Laser. The new laser equipment has been easily justified through savings on parts cleanup activities, reduction in consumables and increased production capabilities. The 2m x 6m table is the largest in the southeast and is now being used to produce quality parts at a high production level. The new outdoor space has become the home for a full size Mega-VAC hoseless sludge removal demonstration model. The full size unit has been constructed with all of the same features as a commercial unit, and will run 24 hours a day for the foreseeable future.

On the administrative side, the move has provided space for JMS to better accommodate its growing workforce. The 20+ seat theater style training room is used for knowledge development programs, and training of the Manufacturer's Representatives, both a high priority for JMS.

All in all the move has been a great success, and as manufacturing and office space are filled, plans are already developing for future expansion at the site.

American Water and the City of Camden Participate in The Value of Water Coalition's Local Innovators Tour for Infrastructure Week

In conjunction with the national Infrastructure Week observance, which took place May 16-23, 2016, American Water partnered with the City of Camden, NJ and the Value of Water Coalition to participate in the Coalition's "Local Innovators Tour." The tour, which included an event in Camden on May 17, highlights water infrastructure initiatives being implemented across the country that are having a measurable impact on the community.

As the contracted water and wastewater services provider to the city of Camden, American Water Contract Services is working to maintain and help improve the water and sewer systems through operations, engineering, and technology expertise. As the city's public-private partner, the company is implementing changes and partnering with the City to make critical system improvements to reduce water loss, improve water taste, help better manage storm water issues and provide high quality service to utility customers. **Continued on page 6**

American Water *continued from page 5*

"Camden has the same challenges every community has in terms of aging infrastructure and treated water lost to leaks, a nationwide problem that is a top priority for all water utilities to help solve," said David Choate, President, American Water Contract Services. "Working with the City, American Water is committed to identifying Camden's water and wastewater assets in an effort to pave the way for a future GIS mapping of its system, which will enable improved leak detection technology, as well as ensure that residents continue to receive high quality, reliable water services."

"I am extremely proud of the strong public-private partnership the City of Camden and American Water have built. It's so critical that older urban areas like Camden, make a conscious effort to identify and address the needs of water infrastructure systems," said Dana L. Redd, Mayor of Camden, N.J. "Camden has an aging system, and as a result repairs and maintenance are required regularly. The City water system is one of our most valuable resources. I am pleased to see American Water is taking the necessary measures through the use of technology, to assess the existing system and look for ways to improve it. I am thankful to our partners at American Water and the Camden County Municipal Utility Authority, not to mention Power Corps, for ensuring Camden's system gets the attention required and our residents receive the quality services they deserve."

To help with asset identification - building a database that contains pertinent information about pipes, valves, meters and hydrants - American Water has contracted with the Center for Family Services to work with their Power Corps program participants, a team of young leaders from Camden serving to tackle pressing environmental challenges in their community. American Water's Contract Services Group, collaborating with the city of Camden, Camden County Municipal Utilities Authority (CCMUA), and Camden County, will provide training to Power Corps participants on asset identification and verification, which are the initial steps of GIS mapping. Participants will be working with maps and other tools to verify exact location of water and wastewater assets throughout the city. They will then enter this information into American Water's database to provide the necessary framework to proceed with the next proposed phase of the project, GIS mapping.

In addition to this new initiative, American Water Contract Services is responsible for the ongoing operations and maintenance of the Camden water and wastewater infrastructure, which includes providing recommendations and solutions for increasing efficiency and addressing issues. One example of this is the company's attention to flooding issues that occur within Camden's combined sanitary sewer system, which processes storm water along with wastewater. When heavy rains occur, flooding is common. One way that the company has been able to remedy this is through street sweeping efforts, which in March and April alone removed about 256 tons of material that otherwise would have entered the water and wastewater system.

"Water is our most precious resource, and aging water infrastructure poses a unique risk to the nation because water is so essential to everything we do. To secure our water future, we need to invest in our pipes and treatment plants, and focus on the innovative partnerships that are driving the next era of water management and delivery. I'm thrilled to be here in Camden for Infrastructure Week 2016 to celebrate a bright spot of water infrastructure investment," said Radhika Fox, CEO of the US Water Alliance, which coordinates the Value of Water Coalition.

HDR Foundation Earns ARTBA "Helping Hand" Award

The HDR Foundation has been named a recipient of the American Road & Transportation Builders Association's Transportation Development Foundation's "Helping Hand" Award.

The association gives out the award to organizations within the transportation industry that have exceptional philanthropic programs outside the scope of normal business operations that strengthen, build, improve the quality of life and make a positive difference in communities.

The HDR Foundation, the nonprofit entity of HDR, Inc., was one of four organizations honored recently with the award during an awards luncheon in Washington D.C. in conjunction with ARTBA's federal issues program. The other organizations were Ranger Construction Industries, KCI Technologies and Transurban. HDR's East Region Transportation Director Eli Khoury and Strategic Consulting Director D.J. Gribbin accepted the award.

The award took into account the last 18 months. In that time, the HDR Foundation has distributed 16 grants totaling more than \$425,640. Each grant recipient is located in a community where HDR employees live and work. Further, those considered for grants are required to have an HDR employee actively volunteering with their organization. The HDR employee writes a letter of recommendation and assists the organization with the application process.

The HDR Foundation is primarily funded through employee donations, with HDR employees contributing nearly \$500,000 in 2015.

National Association of Clean Water Agencies Names Water For People as Their Nonprofit of Choice

The National Association of Clean Water Agencies (NACWA) is the leading advocate for responsible policies that advance clean water in the United States. NACWA's members include over 300 of the nation's publicly-owned wastewater and stormwater utilities. For over 40 years, NACWA has been at the forefront of legal, policy, and regulatory issues dealing with clean water. NACWA and WFP share common goals and NACWA has long supported Water For People.

In celebration of the 25th Anniversary of Water For People, NACWA wishes to reaffirm and memorialize its commitment to support and collaborate with Water For People. This Memorandum of Understanding will serve to establish Water For People as the Association's nonprofit organization of choice for philanthropic giving. Among other things, NACWA will promote workplace giving options for Water For People and encourage support by our leaders and members.



About Water For People

Water For People is an international development organization dedicated to providing access to improved water and sanitation systems and services in nine developing countries. By working with local governments, communities, the business community, and local non-profit partners, Water For People ensures that everyone in a specific region has these basic needs met forever. This innovative approach reaches every family, every school and every clinic, catalyzing transformative change for better health and economic development. Learn more at www.waterforpeople.org

Stone Hill Proud Sponsor of 1st Annual PA Water For People Beer Tasting

Stone Hill Contracting, with over 10 years of support of the non-profit organization Water For People, is proud to have been the lead sponsor of the 1st Annual PA Water For People Beer Tasting and Happy Hour on May 25th at Station Tap House in Doylestown, PA. with approximately 40 registered attendees, it was a night of good conversation, good food and great liquid refreshment. All in attendance seemed to have a great time, and at the same time enjoyed contributing to such a worthwhile organization.

With the combined income from the ticket sales, sponsorships and raffle drawings, over \$1700 was raised for Water For People. A shout out of thanks to Station Tap House and their staff, as well as other sponsors, Grundfos Pumps, Mid-Atlantic Storage Systems, J.T. Seeley & Company, and Grace Media Services, as well as to those who donated raffle items Debbie and Bob Corvino, Joyce and Tom Godfrey, Sandy and Bob McIntyre and Station Tap House.

Next year's event is already in planning with a goal date of March 2017. Stay tuned for more information, so you don't miss this great event.

Upcoming Water For People Events

July 21, 2016— Water For People Night at the Ball Park. Pittsburg Pirates vs. Milwaukee Brewers @ 7:05 PM. For more information, please contact Rachael Beam at R.Beam@GAIConsultants.com

August 15, 2016— 9th Annual Water For People Charity Golf Outing. Sandy Run Country Club, Oreland, PA. For more information, please contact Bob Corvino at 215.340.1840.

Fall 2016—Coach Bag Bingo. American Legion Post, Doylestown, PA. More information to follow.

November 10, 2016—11th Annual Water For People Gala Hosted by Stone Hill Contracting. William Penn Inn, Gwynedd, PA. More information to follow.

Sponsorships available for all events above!

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**PUBLISHED IN THE
INTERESTS OF
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Established in 1981, by Samuel A. Mott, Stone Hill Contracting is proud of their heritage, and their commitment to excellence. Throughout their decades of service, the employees and management of Stone Hill Contracting have prided themselves on their reputation of meeting or exceeding the needs of their clients. Specializing in water and wastewater treatment facilities, Stone Hill has performed work throughout the Mid-Atlantic region from Virginia to Northern New Jersey.

Although the majority of their work over the years has focused on the treatment plant field, they have also completed bridge and water control projects. With a client base mostly in the industrial and municipal markets, Stone Hill is proud to have numerous repeat clients, who have found Stone Hill's teamwork concept of working with the Owner, Design Engineer, Suppliers and Subcontractors, to be beneficial to all involved parties. Stone Hill's management team feels it is necessary for all parties to benefit in order to have a successful project.

**We're on the web at:
www.StoneHillContracting.com**

**Watch for the next issue
of the *Clarifier* coming in
September 2016**