

CITY OF NORWALK
Norwalk City Hall
125 East Avenue, PO Box 5125
Room 225
Norwalk, CT 06856-5125
P: 203-854-7791 / F: 203-857-0143

PUBLIC WORKS COMMITTEE of the COMMON COUNCIL

DATE: Tuesday, August 6, 2019

TIME: 7:00 P.M.

PLACE: Norwalk City Hall, 2nd Floor, **Room 231**

AGENDA

Public Input

Public input (Guests at Committee meetings may speak to any item on the agenda. Comments shall be limited to no more than three (3) minutes per speaker.)

New Business

1. Approve the Minutes of the Public Works Committee Meeting of Tuesday, June 4, 2019.
2. Overview of Proposed Easement Agreement across Portions of Calf Pasture Beach in favor of Gardella Brothers Limited Partnership from the City of Norwalk. *(Joint Meeting with Recreation, Parks & Cultural Affairs)*

Executive Session

1. Distribution and discussion of Attorney-Client Privileged Communication(s) regarding Negotiation of the Proposed Easement Agreement across Portions of Calf Pasture Beach in favor of Gardella Brothers Limited Partnership from the City of Norwalk. *(Joint Meeting with Recreation, Parks & Cultural Affairs)*

Return to New Business

3. Possible action on Proposed Easement Agreement across Portions of Calf Pasture Beach in favor of Gardella Brothers Limited Partnership from the City of Norwalk. *(Joint Meeting with Recreation, Parks & Cultural Affairs)*

4. Discussion and possible action on release of the City's interests, including a general release, in the 80± Sq. Ft. Sidewalk Easement and Right-of-Way over the parcel located at 64 South Main Street (Tax Lot 2-58-22-0).
5. Authorize the Mayor, Harry W. Rilling, to execute a Third Amendment to the August 28, 2007 agreement for Professional Engineering Services between the City of Norwalk and A. DiCesare Associates, P.C. regarding the East Avenue Reconstruction Project, for an amount not to exceed \$70,000.00 in accordance with the attached scope of services dated July 31, 2019.

Account No. 09 12 4021 5777 C0471
09 20 4021 5777 C0471

6. Authorize the Purchasing Agent to issue a purchase order to C.N. Wood of Connecticut, LLC, for the purchase of one (1) 2019 Rapidview Pipe Inspection Vehicle for a sum not to exceed \$368,410.00.

Account No. 09 20 4031 5777 C0313

7. Authorize the Purchasing Agent to issue a purchase order to Gabrielli Truck Sales of Milford, for the purchase of one (1) 2020 Mack GU713 Plow Trucks for a sum not to exceed \$231,864.00.

Account No. 09 20 4031 5777 C0313

8. Authorize the Purchasing Agent to issue a purchase order to C.N. Wood of Connecticut, LLC, for the purchase of one (1) Mack GU713 Rear Refuse Loader not to exceed \$237,611.00.

Account No. 09 20 4031 5777 C0313

Information / Discussion

A. Discussion

1. Drainage Project Status
 - 1a. Professional Services Task Order
 - 1b. Professional Services Task Order
 - 1c. Professional Services Task Order
2. Sediment Removal Contract
3. Potential abandonment/discontinuance of a portion of Howard Avenue.

B. Customer Service Report May, June & July 2019

- C. Monthly Solid Waste Report – April, May & June 2019
1. 2019 Bulky Collections through July 2019
 2. Transfer Station Quarterly Report, 2nd Quarter (April, May and June)

Upcoming Projects

Adjournment

Next Meeting:

Tuesday, September 3, 2019

Public Works Committee Meeting

7:00 P.M. Room 225 DPW Conference Room, Norwalk City Hall



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**CITY OF NORWALK
PUBLIC WORKS COMMITTEE
June 4, 2019**

ATTENDANCE: John Igneri, Chairman; Thomas Livingston; Eloisa Melendez; Darlene Young; Doug Hempstead; George Tsiranides

STAFF: Anthony Carr, Chief of Operations and Public Works; Lisa Burns, Principal Engineer; Michael Yeosock, Assistant Director of TMP

OTHERS: Anthony Catalano, PE Woodard & Curran; David White, PE Woodard & Curran; Mary McCrann, AICP Woodard & Curran

The meeting was called to order at 7:03 p.m. A quorum was present.

Chairman John Igneri Suspended the Rules to allow Woodard & Curran to give a presentation for Item #3.

Mr. Carr gave a brief synopsis of the request for qualifications that went out for the Storm Drainage System Evaluation Project. He stated the Public Works Department is recommending the firm Woodard & Curran as the most qualified consultant for the Citywide flooding drainage analysis. They went through a rigorous interview process. Initially 14 applicants submitted proposals then it was shortlisted to four (4). After the interviews were conducted, the panel found Woodard & Curran had the most pertinent experience and would be the most beneficial to the City. He said that he had the opportunity to work with Woodard & Curran previously on a project in the City of White Plains on scope for Citywide Storm Sewer modeling. The Public Works staff recommends the approval of Woodard & Curran for \$350,000 to begin on-call services. The scope will be expanded over time. Mr. Carr introduced the firm Woodard & Curran. There are three (3) members from their project team to give a presentation to the Committee.

Anthony Catalano of Woodard & Curran began by introducing the project team. Mr. Catalano stated that he is the Senior Principal and Partner of Woodard & Curran, Dave White, Senior Principal and Mary McCrann leads their grant and funding team and is also the public engagement support that is provided to their municipal clients. He gave a brief overview and slide show presentation on Woodard & Curran's commitment to the City of Norwalk. He stated that he attended the listening session and felt it was important they attend and gain an understanding of what the residents were feeling about the issue.

He said they heard a lot of residents talk about the other study that was conducted but the residents seemed to really want to know when the actual work would be completed. He said he thinks that emphasizes the importance of coming up with practical and feasible solutions that are implementable and not just developing studies.

Firm Introduction

The company was founded in 1979. The founders would routinely join the meetings although they are retired now. The company was formed with 10 people and now they have over 1,000 employees. Woodard & Curran consider themselves not too big of a firm but also not too small meaning not too big that there is not enough attention being provided to the City and not too small because they have the resources to deliver across geographies and share resources. The overall mission is to provide a safe and fulfilling place to work, deliver high-quality services to their clients, always act in good faith and protect the environment. He said what makes them unique is that there are approximately 240 contract operated facilities across the US and waste water treatment plants. They also run a few municipalities, they are responsible for running DPW facilities in two (2) or three (3) municipalities in the Midwest and own compliance as well. They are committed to the City and one (1) example of that is caring and listening to the residents and also having two (2) senior partners at this meeting.

Project Understanding

Mr. White addressed the Committee about the challenges Norwalk is facing. He said that those challenges are not indifferent to other communities that they have worked with. He said that often times the residents do not have the opportunity to obtain flood insurance because the areas that are flooding are not on the flood maps. The only way to obtain flood insurance would be to go through private insurance which can be very expensive for homeowners. Woodard & Curran recognizes those risks. As a result of that, they feel it is important to engage with stakeholders, whether it is residents, businesses or the City. To better understand and characterize the risks and what to expect in the future with the intensity of rainfall and frequency, they look at the sea levels and recognizing the sensitivity of century old drainage systems and their conditions of operations. Some may be clogged and/or deteriorating. He said that the City is undergoing some extensive cleaning of those systems right now but recognizing that there is a sensitivity to that old infrastructure and understanding them and how it is operating in its future longevity often plays into the planning process and how to correct the problem. Ultimately when they do get to the project stage, they continue to consider the sensitivity of how the construction impacts with the noise, traffic, business construction, access to individual and business properties. Those are the common themes Woodard & Curran have dealt with. They also identify the risks relative to how frequently an area may or may not flood. The ability to predict that in the future and align that with available funding is critical to remedy those problems. Woodard & Curran defines stormwater into five (5) core focus areas; Conveyance & Flood Mitigation, Planning, Treatment and Reuse, Compliance and Coastal Infrastructure. Their core mission regarding stormwater is the annual cost of flood related natural disasters and recognizing that driving that is the new reality of more frequent major storms, extended droughts, sea level rise and historically atypical weather patterns. They recognize that it puts critical infrastructures at risk and communities have to find that balance to drive economic activity and minimize the damage to the residents and business communities.

Mr. Livingston asked if they would be looking at coastal flooding and rainwater flooding.

Mr. White responded yes, both inland and coastal. The other core practice they look at is water quality recognizing that stormwater continues to be a large portion source of water pollution which is one of the few sources of water pollution in the United States that continues to increase with the water sources and water bodies so there is a need to find an affordable practical solution to balance the quality related issues as well as the quantity of the flood related issues. Woodard & Curran has a collaborative team of engineers, planners, modeling experts and operations and maintenance specialists. He said listening and engaging with their clients, residents and businesses in the community is critical and valuable to understanding what has happened and helps them to predict what may occur in the future in developing a remedy. They also try to find State grants to help leverage funding to actually get the work done.

Ms. McCrann, also of Woodard & Curran, thanked the Committee for allowing them to be at the meeting as well as the residents for attending the meeting and giving their experiences. She said that they are providing a service to themselves, their neighbors and the City. She stated that it is especially a service to the City because they don't know where all the issues are and with the residents help they can do their best to rectify the problem. Woodard & Curran focuses on leveraging and existing information. The City of Norwalk has done a tremendous amount of work through recent contracts and past studies and they are understanding those studies and leveraging those studies. They are aware that there has been work done previously and they are communicating with the City what has taken place. She said all of that information is important and helps them to move forward. They work very closely with their clients to try to understand what the needs are and stay on top of funding opportunities for grants and help their clients potentially apply for funding. A lot of the funding opportunities are competitive and that is why they work so closely with their clients and stay informed on what is available. She said understanding what programs are out there helps them fit with what their clients are doing to fit into those programs. They have been very successful throughout New England securing millions of dollars for their clients.

Mr. Catalano continued with the key differentiators that Woodard & Curran offers to their clients. He reiterated their overall commitment and making decisions as they need to in a quick manner. He said they have the authority as partners in the organization to do so as well as allocating any resources they need to keep their commitment with the City. They have close communication with the City and the City's stakeholders and keeping them informed every step of the way. They will establish a project website that would be easily accessible to the City and the residents. The website will be password protected with opportunities to share information and being able to document the progress of the work being done, in regards to technical excellence with stormwater, design, modeling and GIS experts. They have an internal team of GIS experts and a number of them are engineers as well. These experts understand what they are reading and laying out as engineers. Flood hazard risk mitigation plans is also something they help clients with for communities and are in touch with those needs. He said that they have a tested, proven modeling delivery approach. There are consultants and operations experts on their team.

Mr. White gave an example of a project their company completed. He spoke about a \$6M improvement project to Kincaide Park in Massachusetts. The park designer only focused on site drainage pre and post discharge rates and found that that the neighboring houses would routinely get flooded by 5ft. in depth in those areas. The City asked them to look at the drainage for the park but also those areas that would continuously flood as well. They used a Town Brook

Watershed Model to determine the risks. They simulated a storm to see those risks and developed short-term and long-term solutions which ultimately became a \$14M project. This was not in the City's capital budget so they began assisting them with identifying possible funding.

Mr. Livingston asked about a time table of the project assuming it would be approved.

Mr. Catalano responded that they have laid out a scope of work for the development of a work plan. He said it means they are going to look at the sequence of the work because not all of the properties can be looked at once. He said that they would be looked at on a risk based perspective standpoint to develop the matrix and understand which would be phase I. Once that road map is laid out they will initiate phase II which is the implementation phase to study those specific areas. The scope of work to completing those things will be once they have the green light and discuss the timing of that.

Mr. Carr agreed saying that they discussed this at the forum and at prior meetings that they are working backwards to the December 1st date. The reason for the December 1st date is so the staff could discuss what capital improvements they would like to recommend for the upcoming year and those capital improvement worksheets need to be submitted by January 1st. By December 1st they should have a draft completed that has been vetted between City staff and the contract which would be used to incorporate and guide the capital improvement over the next five (5) years.

Mr. Catalano said they would expect that December 1st would not be the first time the City sees some level of work product. There will be some working meetings between the City and the team.

Mr. Carr said that once a month there will be a public forum.

Mr. Livingston suggested that they begin with the areas that have been identified.

Mr. Carr agreed and said that they have data from residents and Customer Service complaints that will be handed over to the consultants. They are working on plan development with the stakeholders' involvement. They will direct the consultants on the areas that should be focused on while working together for plan development.

Mr. Catalano agreed.

Ms. Burns said that the contract is designed to be an on-call contract so if a particular area that rises to be identified as high risk, they would issue task orders and the price would be negotiated. She said that is how they have done it with the project with Jacobs that they are wrapping up with the outreach and conservation permitting and task force with WPCA. They would like to bring Woodard & Curran on as soon as possible and they just had the public listening session last week so they are still digesting that information and they would like to be able to include all of that input into whatever scope we develop. One thing that was heard a lot and may need more focus is the planning piece to ensure all departments are communicating. The reality and perception of people believe that a lot of the flooding is based on the developments that have occurred. Residents have good ideas that they could incorporate and work with.

Mr. Livingston asked if the consultants would look at the 25 year flooding requirement.

Mr. Catalano replied yes based on experience and other projects they have worked on. He said it is ultimately the City's decision but they would provide recommendation and thoughts on that.

Mr. Hempstead said that he is missing something since there is no scope of work in the sense of here are the projects and the dollar amount and this is not a bid, this is just a request for qualifications.

Ms. Burns replied yes. She said that is the reason for sending out the packet as early as possible so the committee members would have a chance to review.

Mr. Hempstead said the sample letter is confusing.

Mr. Carr said that the general scope would be for the on-call flood evaluation drainage study to the assigned \$350,000 not to exceed. He said once it is authorized and they go into an agreement contract, then they will sit down and develop the individual areas which they would be part of task orders.

Mr. Hempstead asked if the \$350,000 is for this task.

Ms. Burns replied for services that are on-going coming out of the stormwater and capital funds.

Mr. Carr said it says on-call services due to the timing and the complexity of the problem areas, they didn't want to assign any problem areas yet. He said they wanted to sit down with the consultant and give them the hot list/priority list and contract them out prior to providing that detailed list so the scope will not change from what you find in the RFQ.

Mr. Hempstead asked if the full council would receive the dollar amount and all pertinent information prior to the approval stage. He also asked if there was a priority list.

Ms. Burns replied that they have a general idea but felt it may have been premature to put that into the packet just having the public listening session last week while they are still getting new information and people are still submitting things. She said they didn't want to make a list without all of the input. Basically, an amount was used that would go beyond December 1st and there will still be funding.

Mr. Carr said that they would most likely come back to the Committee with amendments and this is just to get things started.

Ms. Burns said that the scope will be negotiated.

Mr. Ignneri went over the process stating if the Public Works Committee approves Item #3 tonight then on Tuesday it is heard before the Council and then approved, a few weeks for an agreement has been established and then they can begin in July.

Mr. Carr said that all of the consultants were aware of the timeline.

The group began to discuss the effects of a 25 year storm within a community with drainage issues. They discussed costs, public outreach and managing that message. This effort may be looked at from a risk based perspective so they can sequence the work that needs to be done. This project requires a surveyor which they have hired WSP, in case there is additional survey information needed to supplemental what the City already has in place. Phase I is the work plan to establish the risk based assessment and concludes with public meetings to articulate how they came up with the work plan. Phase II will be working on the road map that has been developed. They may develop a steering committee and/or develop a risk matrix.

Public Works Committee Meeting Officially opened at 7:53p.m.

PUBLIC INPUT

Ms. Jody Proct of 1 Naramake Avenue, off of Woodward Avenue, stated that she would like more information on the pump station and when the priority list for the storm drainage would be made available to the public.

Mr. Carr responded the priority list should be completed within six (6) to eight (8) weeks. He would like to review the list with staff and the consultants before providing the list to the public.

Ms. Diane Lauricella of 49 Taylor Avenue, stated that she was pleased to hear from Woodard & Curran. She said she established and is the founder of the North River Watershed Association from the mid 90's, she is very happy Woodard & Curran are looking at a holistic approach which is helpful with modeling. She is interested and doesn't mind certain privatizations of certain processes in government but would like to see where there would be savings and not filling staff positions for future tax payer relief. Very pleased to hear Woodard & Curran speak about green infrastructure. Would like to make a big effort this time like they did in Bridgeport when she was on the Rebuild by Design Team and The CT Green Building Council where she was a partner. She wants to ensure water quality is looked at. She mentioned Item #5 on the agenda and asked why allow an area to be paved that may be chewed up and develop in a year or so. Very pleased about Woodard & Curran talking about the role of the public and appreciates the listening session that occurred last week. A more proactive approach would be better than waiting for the public to be the trigger. She said there are long-term sites that continuously have problems and would like to see that list so they can be checked without the public begin triggered. She thinks it is great that staff is trying to be responsive but she is sure that staff knows about some of the sites and could check on them as regular maintenance. Enforcement has to be part of the plan because people are dumping into storm drains and should be made an example of in the press. The Walk Bridge – Lockwood Mathews Mansion Fence is very expensive and doesn't feel that is the best way to spend all of that money and would like to know if other avenues have been explored. The Eversource High Voltage Line is a concern. She is on the Water Quality Commission and the Shellfish Commission and Harbor Management Commission doesn't feel heard. She said that Eversource needs them so they have a lot more leverage to get them to do what they want. She would like to challenge the solid waste program with a July 4th recycling challenge since there is a huge fireworks display at Calf Pasture Beach. She said when Mr. Chimento began she approached him, spending a lot of hours trying to put together a recycling plan and it was a bust

because it wasn't planned well. She said that she approached the Mayor, Laoise King and Anthony Carr to get started this month to have some kind of recycling water bottles.

Bunny Scot has been in Norwalk a longtime, lived on Drum Road in Rowayton which is the highest spot in the area but there was underground water there. Neighbors had pumps but they did not. She said that the old crawl house which is historic had pumps in the basement. She now lives on Knollwood Road and her yard backs into Rowayton Woods. She said there is a tremendous water problem over there and maybe no one complained and that is why no one knows but they are pumping water out of their basement and down into the road. She said almost all of the houses in that area have water in their homes. She believes it may be an aquifer or something there carrying water. She said there are all of these kind of problems all over town.

NEW BUSINESS

1. **APPROVE THE MINUTES OF THE PUBLIC WORKS COMMITTEE MEETING OF TUESDAY, MAY 7, 2019.**

There was no discussion on this item.

****MR. LIVINGSTON MOVED THE ITEM
MOTION PASSED UNANIMOUSLY

REQUESTED BY TRAFFIC, MOBILITY AND PARKING:

2. **AUTHORIZE THE PURCHASING AGENT TO ISSUE A PURCHASE ORDER TO ALTEC INDUSTRIES, INC. FOR THE PURCHASE OF AN AT37G BUCKET TRUCK FOR A SUM NOT TO EXCEED \$125,500.00.**

ACCOUNT NO. 09 20 4021 C0650

Mr. Livingston asked why the need for a new bucket truck.

Mr. Yeosock responded to replace the 20 year old bucket truck they currently have. He said it is used for traffic signals and replacements.

Mr. Carr added that they coordinated this effort with the DPW Garage.

****MR. IGNERI MOVED THE ITEM
MOTION PASSED UNANIMOUSLY

3. **AUTHORIZE THE MAYOR, HARRY W. RILLING TO EXECUTE AN AGREEMENT WITH WOODARD & CURRAN IN THE AMOUNT OF \$350,000 TO PROVIDE ON-CALL PROFESSIONAL ENGINEERING SERVICES FOR THE STORM DRAINAGE SYSTEM EVALUATION IN ACCORDANCE WITH SCOPE OF SERVICES INCLUDED QUALIFICATIONS PROPOSAL DATED IN THE MAY 3, 2019 (COPY OF INCLUDED).**

ACCOUNT NO. 09 13 4027 5777 C0425
09 16 4027 5777 C0425
09 19 4027 5777 C0425

Ms. Young asked for a timeframe of the contract.

Mr. Carr said it would be an ongoing effort but once the \$350,000 has exceeded they will have to put in amendments if they are still needed.

Ms. Burns stated that a good amount of the funds would be spent by December 1st so there would be a good planning document and budgeting in time for the New Year capital budget.

Mr. Livingston asked if the amount would be enough to complete the project in all areas.

Mr. Carr said that it is a good start. \$350,000 would buy a good size drainage study. That is the reason it is on-call and the committee will see the amendments as they come. They didn't want to start too high so they could leave some for contingency and construction.

Ms. Burns responded that they can advance in different levels of effort.

Mr. Carr added that it is an on-call effort with a blanket scope right now. They are working on narrowing the scope of work.

****MR. TSIRANIDES MOVED THE ITEM**
****MOTION PASSED UNANIMOUSLY**

- 4. AUTHORIZE THE CITY TO ESTABLISH AN ACCOUNT FOR THE PAVING OF OAK HILLS PARK GOLF COURSE – CART PATH, UNDER PROJECT PM2019-1 PAVEMENT MANAGEMENT PROGRAM, ON BEHALF OF RECREATION AND PARKS.**

ACCOUNT NO. 09 18 6030 5777 C0588

Mr. Livingston said that he does not understand the language.

Mr. Carr said it is a different account. He explained that the work scope was identified from the golf course that would be incorporated under DPW paving program but not their budget, they are going to use a different account code

Ms. Burns said they went out to bid in March for the paving program and it included the Oak Hills Golf Course and when they went to the Council for authorization they didn't have Oak Hills account number so it was encumbered under Public Works account numbers. The account number is available so they would like to release those funds from Public Works to reflect the right account.

Mr. Livingston asked if this could be done through the Finance Department.

Ms. Burns responded no. She spoke with Corporation Counsel and was instructed to go through this process.

Mr. Hempstead asked who is paying for it.

Mr. Carr responded Oak Hills but at the time they didn't have an account number.

Mr. Hempstead asked if there was a reason they didn't word it that way.

Mr. Livingston added that it doesn't say that there is any work being done just an account being set up.

Mr. Igneri said they need the authorization to move the money.

Mr. Livingston said he is used to the wording stating the work being done and the accounts but this doesn't say anything about the work being done.

Ms. Burns stated that the work was authorized at the last meeting under the Public Works account number and it was bid out and awarded in March.

Mr. Igneri asked why Public Works would have to bid it out if Oak Hills is paying for it.

Ms. Burns said they bid it on their behalf.

Mr. Carr said it typically goes through Public Works because it is their contracts.

Mr. Livingston didn't understand why this couldn't be done internally.

Ms. Burns replied that they need authorization to unencumber/encumber funds.

****MR.IGNERI MOVED THE ITEM
MOTION PASSED UNANIMOUSLY

- 5. AUTHORIZE THE CITY TO ESTABLISH ACCOUNTS FOR THE PAVING OF MAIN STREET PARKING LOT AND YANKEE DOODLE GARAGE BURNELL BLVD. ENTRANCE, UNDER PROJECT PM 2019-1 PAVEMENT MANAGEMENT PROGRAM, ON BEHALF OF THE NORWALK PARKING AUTHORITY.**

ACCOUNT NO.	09 18 4095 5777 C0303
	09 19 4095 5777 C0303
	09 20 4095 5777 C0303

There was no discussion on this item.

****MR.IGNERI MOVED THE ITEM
MOTION PASSED UNANIMOUSLY

6. **AUTHORIZE THE MAYOR, HARRY W. RILLING, TO EXECUTE AN AMENDMENT TO PROJECT PM2019-1 PAVEMENT MANAGEMENT PROGRAM, FOR MISCELLANEOUS BOARD OF EDUCATION WORK FOR A SUM NOT TO EXCEED \$350,000.**

**ACCOUNT NO. 09 19 5010 5777 C0516
 09 20 5010 5777 C0516**

Ms. Burns said that they added Nathan Hale to the scope of work.

Mr. Carr said at the time they did not have the information.

****MR.IGNERI MOVED THE ITEM
MOTION PASSED UNANIMOUSLY

Information / Discussion

A. Discussion

1. Drainage

- Town Hall – Drainage Meeting
- Dredging Contract Status
- Conservation Permit Public Hearing June 11, 2019

Mr. Carr reported on this.

Town Hall – Drainage Meeting

There were approximately 50 residents attended and it was very successful. There was a lot of good input. At least two (2) articles published in the paper. Would like to continue to have those types of meetings.

Mr. Livingston commended the staff for a job well done in terms of listening to the resident concerns and addressing them in an appropriate way.

Mr. Carr added that the Consultant was there but they did not inform the public because at the time they were not in contract with the Consultants so they just conducted the Q & A.

Dredging Contract Status

He said they thought they would have the five (5) locations for the Dredging Contract secured but the Conservation Commission wants to have a public hearing at their June 11th meeting. The bids are not back yet from the dredging contract so this will not impact the start of work. Work should begin in July.

Conservation Permit Public Hearing

The Conservation permits public hearing for those five (5) locations are scheduled for June 11, 2019.

2. Walk Bridge Status Update

- Lockwood Matthews Mansion Fence
- Howard / Fordham Fence

- 90% Design Schedule
- Eversoure High Voltage Line
- Aquarium Functional Replacement

Ms. Burns reported on this.

Lockwood Matthews Mansion Fence

Lockwood Matthews Mansion Fence is part of the historic mitigation agreement between the State and the City regarding the loss of historic elements for the Walk Bridge Project. She is working on that with the people from the Lockwood Matthews Mansion and going out to bid for construction next year.

Howard/Fordham Fence

Part of the Walk Bridge Contract is CP243 and Danbury Dockyard and the Danbury Dockyard is the Danbury line work going from the Washington Bridge up past the Mall towards the transfer station. It basically will add tracks so that trains can turn without having to go over the bridge. CP243 is getting out towards Saugatuck toward Westport where they will interlock, the ability to be able to switch trains between the different tracks, that is a project that is ongoing and needs to be done in advance to the Walk Bridge construction. That projects has more of a neighborhood impact because the residents had a lot of trees and now that buffer is not there anymore and it has been day and night operations. There has been a lot of drilling rock at night. They have been meeting about it and they are trying to get a neighborhood meeting to show the potential of a vinyl fencing about 8 feet up but there are some concerns.

Mr. Livingston asked if it would be permanent fencing.

Ms. Burns replied yes.

Ms. Young asked if this was in East Norwalk.

Ms. Burns replied yes.

Mr. Tsiranides asked if they are close to being done.

Ms. Burns responded that once they are done on the South Side there is a considerable amount of work to be completed on the North Side. The work can only be done when there is no train traffic and some of the work has limited windows. This is not something that DOT does and made it very clear that they are not setting a precedent.

Mr. Hempstead asked if they have established a timeline for how long they figure that work to continue and have the neighbors been notified.

Ms. Burns responded yes. They have weekly outreach and flyers that go out as well. They have also discussed neighborhood meetings to inform the residents. The drilling is not going to go on for another year but it is continuing through at least July.

90% Design Schedule

The 90% Design Schedule for the overall Walk Program, meaning the bridges that include Walk itself: North Water, Fort Point, Osbourne and East including the East Road Reconstruction Project and the utility relocation is tracking later than anticipated. It was supposed to be 90% completion

in April and now the latest date is August completion. It will not be seen in August because it will take some time for the designers to simulate all of it together. The City is part of the design process because of the East Avenue Road Reconstruction Project. This may delay other issues. There needs to be another update meeting.

Eversoure High Voltage Line

Eversoure reached out to them and gave them an update. They are currently going back and reviewing some of the comments they received about alternative routing so that may be explored. There is still tracking on the construction work the schedule they previously provided. They are still planning to file at the Siting Council the fourth quarter of 2019 as well as their environmental permits and begin construction the second quarter of 2020 and end construction that same quarter with complete restoration by the third quarter of 2020.

Aquarium Functional Replacement

Ms. Burns spent a lot of time at the Aquarium weekly meetings with Alan Lo and Vanessa Valadares. Tomorrow they should receive a revised design development document for the new program which is a reduced program. They should have the initial cost estimate based on that tomorrow. The goal is to go out to bid on the project late Summer or early Fall. She has given 45 hours thus far on meetings alone.

Mr. Igneri suggested the next two (2) Discussion Items be suspended till the next meeting.

Mr. Hempstead made a comment that they are now checking at the transfer station for tags and was pleased to know that they are.

B. Customer Service Report May 2019

There was no discussion on this item. Item was suspended to the next meeting.

C. Monthly Solid Waste Report – April 2019

1. 2019 Bulky Collections through May 2019.

There was no discussion on this item. Item was suspended to the next meeting.

UPCOMING PROJECTS

NEXT MEETING: Tuesday, July 2, 2019

Public Works Committee Meeting

7:00 P.M. Room 231, Norwalk City Hall

****MR. TSIRANIDES MOVED TO ADJOURN**

****MOTION PASSED UNANIMOUSLY**

There was no further business and the meeting was unanimously adjourned at 8:35 p.m.

ABRAHAM WOFSEY 1915-1944
MICHAEL WOFSEY 1927-1951
DAVID M. ROSEN 1948-1967
JULIUS B. KURIANSKY 1952-1992
SYDNEY C. KWESKIN 1946-1998
MONROE SILVERMAN 1955-2003
SAUL KWARTIN 1951-2008
EMANUEL MARGOLIS 1966-2011

WOFSEY,
ROSEN,
KWESKIN &
KURIANSKY, LLP

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HOWARD C. KAPLAN
JUDITH ROSENBERG
EDWARD G. MELLICK
OF COUNSEL

600 SUMMER STREET • STAMFORD, CT 06901-1490 • WWW.WRKK.COM • 203-327-2300
• 203-967-9273 FAX

August 1, 2019

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*STEVEN M. FREDERICK
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GESSI GIARRATANA
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BRIAN KLUBERDANZ
ZACHARY J. PHILLIPPS

*ALSO NEW YORK BAR

NEW CANAAN OFFICE:
70 PINE STREET
NEW CANAAN, CT 06840
TEL 203-972-1700

Mr. John Igneri
Public Works Committee of the Common Council
125 East Avenue
Norwalk, CT 06851

Re: Clarke Capital, LLC – Release of Easement

Dear Chairman Igneri:

This office represents Clarke Capital, LLC (“Clarkes”) and writes in support of Clarkes’ request that the City release and quit claim back to Clarkes an 80 square foot easement.

Clarkes is the owner of 64 South Main Street where it operates a kitchen showroom. Clarkes also owns four contiguous multi-family residential properties along the south-side of Elizabeth Street (specifically 8, 10, 12 and 14 Elizabeth Street). In March of this year Clarkes obtained Zoning approval to construct 40 units of housing and 19,400 +/- square feet of showroom/retail space spread across 5 buildings from 64 South Main Street down Elizabeth Street.

As part of its development proposal, Clarkes worked with the City, including the relevant departments and agreed to greatly widen the sidewalk at the corner of Elizabeth and South Main Street and install a new crosswalk. Additionally, Clarkes agreed to replace all of the curbing and sidewalk down its side of Elizabeth Street to Day Street and replace the existing and ugly City lights along its side of Elizabeth Street with the standard historical lighting seen throughout much of South Norwalk. Additionally, Clarkes agreed to plant new trees along

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Elizabeth Street and in front of its building on South Main and make many other public improvements to the streetscape and pedestrian experience along Elizabeth Street.

These improvements render a small easement in favor of the City no longer necessary. Additionally, the easement currently prevents Clarkes from going forward with its development and from making these improvements.

Back in 1992 Clarkes' predecessor-in-title gave the City of Norwalk an easement of approximately 80 square feet solely to allow the City to complete construction of a fairly narrow sidewalk at the corner of South Main and Elizabeth Street (the "easement"). *See* attached deed and see also surveys of William W. Seymour & Associates, P.C. dated July 23, 2018 ("existing conditions survey") and dated December 11, 2018 ("proposed conditions survey"). However, as is shown on the proposed conditions survey the planned building at 64 South Main will encroach on the easement area. Clarkes respectfully request this easement be released and quitclaimed. *See* attached proposed quitclaim and Connecticut Real Estate Conveyance Tax Return Form.

As stated above, the original purpose of the easement is no longer necessary due to the bumped out sidewalk and other street improvements Clarkes will be making. Additionally, the building entrance on South Main is recessed back from the corner so that there will be ample public connectivity on the sidewalk. Finally, release of the easement allows Clarkes to support the building from closer to the corner of the property which will provide greater continuity in the street wall and result in a more desirable urban condition that will benefit pedestrian activity and

WOFSEY,
ROSEN,
KWESKIN &
KURIANSKY, LLP

safety. For all of these reasons we respectfully request you authorize the City to release the easement and execute the attached quitclaim deed.

Very truly yours,
WOFSEY, ROSEN, KWESKIN & KURIANSKY, LLP

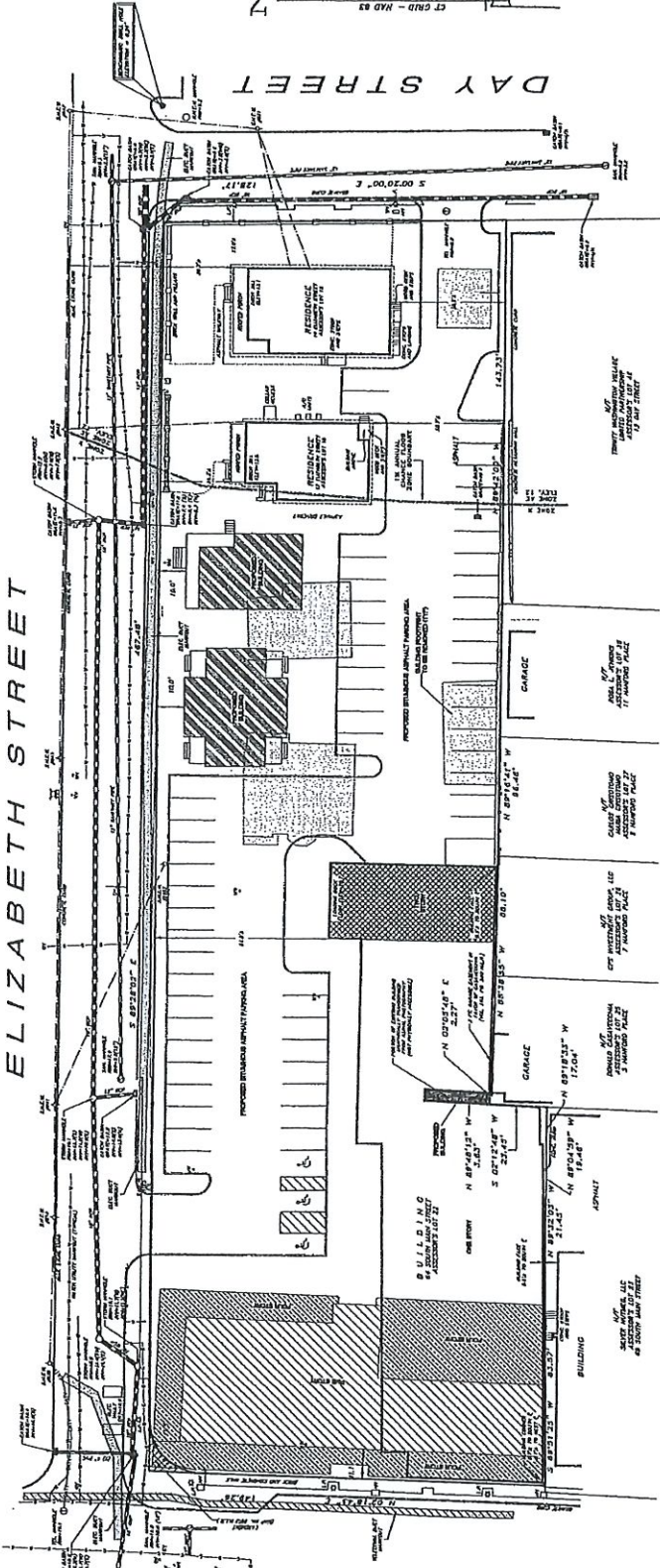
By: 

Adam J. Blank

AJB:wll
Enclosures

ELIZABETH STREET

SOUTH MAIN STREET



AREA = 63,208± SQ.FT.
OR 1.451± ACRES

THE SHOWN MAP AND THE ZONING MAP ARE PREPARED BY WILLIAM W. SEYMOUR & ASSOCIATES, P.C. LAND SURVEYORS ~ ZONING & LAND USE CONSULTANTS 170 NOROTON AVENUE ~ 203-655-3331 ~ DARIEN, CONN. ©

TO MY KNOWLEDGE AND BELIEF, THIS MAP IS SUBSTANTIALLY CORRECT AS NOTED HEREON.

JALILEY W. McDERMOTT
CT PLS No. 70030
18-14154_PROPOSED.DWG

BULK REQUIREMENTS

ITEM	MIN. REQ.	MAX. REQ.	REMARKS
1. MIN. LOT AREA	10,000 SQ. FT.	10,000 SQ. FT.	
2. MIN. LOT FRONTAGE	100 FT.	100 FT.	
3. MIN. LOT DEPTH	100 FT.	100 FT.	
4. MIN. LOT FRONT SETBACK	10 FT.	10 FT.	
5. MIN. LOT SIDE SETBACK	10 FT.	10 FT.	
6. MIN. LOT REAR SETBACK	10 FT.	10 FT.	
7. MIN. LOT FRONT YIELD	100%	100%	
8. MIN. LOT SIDE YIELD	100%	100%	
9. MIN. LOT REAR YIELD	100%	100%	
10. MIN. LOT FRONT SETBACK	10 FT.	10 FT.	
11. MIN. LOT SIDE SETBACK	10 FT.	10 FT.	
12. MIN. LOT REAR SETBACK	10 FT.	10 FT.	
13. MIN. LOT FRONT YIELD	100%	100%	
14. MIN. LOT SIDE YIELD	100%	100%	
15. MIN. LOT REAR YIELD	100%	100%	
16. MIN. LOT FRONT SETBACK	10 FT.	10 FT.	
17. MIN. LOT SIDE SETBACK	10 FT.	10 FT.	
18. MIN. LOT REAR SETBACK	10 FT.	10 FT.	
19. MIN. LOT FRONT YIELD	100%	100%	
20. MIN. LOT SIDE YIELD	100%	100%	
21. MIN. LOT REAR YIELD	100%	100%	
22. MIN. LOT FRONT SETBACK	10 FT.	10 FT.	
23. MIN. LOT SIDE SETBACK	10 FT.	10 FT.	
24. MIN. LOT REAR SETBACK	10 FT.	10 FT.	
25. MIN. LOT FRONT YIELD	100%	100%	
26. MIN. LOT SIDE YIELD	100%	100%	
27. MIN. LOT REAR YIELD	100%	100%	
28. MIN. LOT FRONT SETBACK	10 FT.	10 FT.	
29. MIN. LOT SIDE SETBACK	10 FT.	10 FT.	
30. MIN. LOT REAR SETBACK	10 FT.	10 FT.	

PARKING CRITERIA

ITEM	MIN. REQ.	MAX. REQ.	REMARKS
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28. MIN. LOT FRONT SETBACK	10 FT.	10 FT.	
29. MIN. LOT SIDE SETBACK	10 FT.	10 FT.	
30. MIN. LOT REAR SETBACK	10 FT.	10 FT.	

GRAPHIC SCALE

1" = 20'

VERTICAL DATUM: N.A.T.D. 88

ZONING LOCATION SURVEY
DEPICTING PROPOSED CONDITIONS
64 SOUTH MAIN STREET
8/10/12/14 ELIZABETH STREET
PREPARED FOR
CLARKE CAPITAL LLC
NORWALK, CONNECTICUT

SCALE: 1" = 20'
DECEMBER 11, 2018
WILLIAM W. SEYMOUR & ASSOCIATES, P.C.
LAND SURVEYORS ~ ZONING & LAND USE CONSULTANTS
170 NOROTON AVENUE ~ 203-655-3331 ~ DARIEN, CONN. ©

2983

TO ALL MEN TO WHOM THESE PRESENTS SHALL COME, GREETING:

KNOW YE, that I, JOSEPH M. CAIATI, of the Town of Bronxville, County of Westchester, and State of New York, for the consideration of One (1) Dollar and other value received to my full satisfaction of the CITY OF NORWALK, a municipal corporation located in the County of Fairfield and State of Connecticut, do give, grant, bargain, sell and confirm unto the said CITY OF NORWALK, its successors and assigns, a permanent sidewalk easement and right of way over, through and upon a certain parcel of land located in the City of Norwalk, County of Fairfield and State of Connecticut, located on the easterly side of South Main Street, described as follows:

ALL THAT CERTAIN piece, parcel or tract of land, situated in the Town of Norwalk, County of Fairfield and State of Connecticut, shown on that certain map entitled, "Map Showing Easements to be Acquired by the City of Norwalk for the South Main Corridor Public Improvements Norwalk, Connecticut", Scale 1" = 20' December 6, 1991, William W. Seymour and Associates, P.C., Land Surveyors, Darien, Conn., Declared "Substantially Correct" by William W. Seymour, Conn. L.S. Reg. No. 11352, which map is on file in the office of the Town Clerk of the Town of Norwalk as Map No. 112/5.

SAID EASEMENT is shown and designated as follows: AREA $\approx 80^2$ Sq. Ft., on the map above described, reference to which is hereby made and had for a more particular description of said easement.

OFFICE OF CORPORATION CLERK
NORWALK, CONNECTICUT 06856 • (203) 844-7150

Said permanent sidewalk easement and right of way is conveyed together with the perpetual right in the grantee, its officers, agents, and employees, to enter at any time thereon for the purpose of constructing, reconstructing, installing, repairing, and/or replacing the public sidewalk, curbing, and related installations and appurtenances as may be necessary and desirable, in such manner and at such times as the grantee may determine, the cost of all such construction, installation, repair, replacement or maintenance to be at the expense of the grantee.

Said permanent sidewalk easement and right of way is conveyed subject to the following conditions:

1. That the easement area may be used by the general public with rights to pass and repass over such area as fully as though such area were part of the publicly-owned street right-of-way.
2. That grantor shall have the obligation and responsibility for maintenance of the easement area, including removal of ice and snow, except as otherwise provided by law.

TO HAVE AND TO HOLD the above granted right of way and easement and the rights and privileges hereinbefore described to the said CITY OF NORWALK, its successors and assigns forever.

IN WITNESS WHEREOF, I have hereunto set my hand and seal this

7th day of January, 1992.

Signed, Sealed and Delivered
in the Presence of:

William E. Rosecrance
Kim M. Pettie

Joseph M. Calati L.S.
Joseph M. Calati

OFFICE OF CORPORATION COUNSEL
HARTFORD, CONNECTICUT 06155 • (203) 54-7750

STATE OF CONNECTICUT }
COUNTY OF FAIRFIELD } ss. Westport January 9, 1992.

Personally appeared JOSEPH M. CALATI, signer and sealer of the foregoing instrument, and acknowledged the same to be his free act and deed, before me.

William E. Rosecrance
Notary Public
Commissioner of Superior Court

Received for Record March 10, A.D. 1992 at 3:30 PM and recorded by
May O. Keegan
Treas. Clerk

NORWALK ZONING COMMISSION
125 East Avenue P.O. Box 5125
Norwalk CT. 06851



March 12, 2019

Adam Blank, Esq.
Wofsey, Rosen, Kweskin Kuriansky
600 Summer Street
Stamford, CT. 06901

Re: **#10-18SPR/#19-18CAM** - Clarke Capital LLC et al - 64 South Main St & 8, 10, 12 & 14 Elizabeth St - New mixed use development TOD with 19,400 sf retail & 40 units in five bldgs in the SoNo Station Design District

Dear Attorney Blank:

At a meeting of the Norwalk Zoning Commission held on Thursday, March 7, 2019 the following actions were taken:

*** SITE PLAN COASTAL SITE PLAN RESOLUTION ***

BE IT RESOLVED that upon a motion by Mr. Roina and second by Mr. Witherspoon that site plan application **#10-18SPR** and coastal site plan application **#19-18CAM** - Clarke Capital LLC et al - 64 South Main St/8, 10, 12 & 14 Elizabeth St for a new 2-5 story mixed use development with 19,400 square foot of ground floor retail and 40 multifamily dwelling units in five building as shown on site plan and architectural plans entitled "64 SOUTH MAIN STREET Norwalk, CT 06854" by Beinfield Architecture and landscape architecture plans prepared by Eric Rains Landscape Architecture and engineering and grading plans prepared by Godfrey Hoffman Associate Engineers be approved, subject to the following conditions:

1. A zoning permit and a building permit shall be obtained within one year of the effective date or this approval and prior to any work commencing on the site; and
2. That the draft deed restriction as shown on a certain document entitled "DRAFT Affordability Plan" dated December 2018, as revised to February 11, 2019 and related documents showing one 1-bedroom, one two-bedroom and one three bedroom unit, for a total of 3 workforce housing units, shall run with the land in perpetuity and shall be submitted for Corporation Counsel review and then filed on the Norwalk Land Records prior to the issuance of a final Certificate of Zoning Compliance; and
3. That the applicant has elected to pay a one-percent (1%) fee, based on the residential construction costs, shall be paid prior to the issuance of a zoning permit; and
4. That a lot consolidation survey be submitted for review by staff and then filed on the Norwalk Land Records prior to the issuance of a zoning permit; and
5. That a mylar of the approved site plan (as revised by any conditions of approval) be filed on the Norwalk Land Records prior to the issuance of a zoning permit; and
6. That prior to the issuance of a zoning permit, that final sign-off from the Norwalk Redevelopment Agency be obtained, indicating that the proposed project is consistent with the design guidelines and sustainability requirements set forth in the South Norwalk TOD Redevelopment Plan; and
7. Prior to obtaining a Zoning Permit, the applicant shall submit a revised drainage plan to the Department of Public Works for approval that results in no increase in the volume of runoff; or a surety, in the amount to be determined by staff, be submitted for the installation of a drainage system that results in no increase in the volume of runoff; and
8. That all final CEAC signoffs, including the Harbor Management Commission, shall be submitted, prior to the issuance of a Zoning Permit; and

9. That a surety in the amount of \$30,000, to guarantee the installation and maintenance of the required erosion and sediment controls is submitted to this office, prior to the issuance of a Zoning Permit; and
10. That all soil and erosion controls shall be installed and maintained prior to the start of any construction or site work; that silt sacks be installed in all existing and proposed catch basins, and that additional controls be installed at the direction of the Commission's staff, as needed; and
11. Light level calculations be provided to confirm there is adequate lighting within the public realm; and
12. That cutoff shields be installed on all lighting to prevent any stray light from being emitted off the property; and
13. That a Connecticut licensed engineer shall certify that all of the required improvements, including any required off-site improvements, were installed to City standards and that the development as constructed complies with all relevant Federal FEMA flood regulations and that such certification be submitted prior to the issuance of a Certificate of Zoning Compliance; and
14. That the storm water maintenance plan be implemented to ensure the maintenance of onsite drainage systems; and
15. That all proposed signage comply with the zoning regulations and design guidelines; and
16. That within six months of the issuance of the Certificate of Zoning Compliance and the completion of any street improvements and public realm improvements proposed by the applicant (within the right of way, which will be completed after the road project is complete) a follow-up traffic study be submitted to the Commission; and
17. That any and all HVAC units shall be located in conformance with the applicable zoning setbacks; and
18. That the hours of garbage pick-up be no earlier than 7:00 a.m. and no later than 7:00 p.m. and that any deliveries be no earlier than 8:00 a.m. and no later than 6:00 p.m.; and
19. That any sidewalks to be replaced provide a minimum 5' clearance from any obstruction; and
20. That the transformer adjacent to the curb-cut on Elizabeth Street be screened; and
21. That any graffiti on the site, now or in the future, be immediately removed; and
22. Tree species selected next to Building A not impinge on the building at mature growth; and
23. Per Zoning Location and Topographic Survey, prepared by William W. Seymour & Associates, P.C. dated 1/21/18 on file with the Planning & Zoning Department; and
24. Per Site Plan C-1.0, Grading Plan C-2.0, Average Grade Analysis Plan C-2.1, Stormwater Management & Utility Plan C-3.0, Erosion & Sedimentation & Control Plan C-4.0, Erosion & Sedimentation & Control Details & Notes C-4.1, Details C-5.0 & C-5.1, prepared by Godfrey Hoffman Associates, dated 2/11/19, on file with the Planning & Zoning Department; and
25. Per photometric study PH1 & L-1, prepared by SpecLines, dated 1/21/19, on file with the Planning & Zoning Department; and
26. Per Landscape Site Overview SPL-1.0 & SPL-2.0, Area Enlargement Site West SPL-2.1, Area Enlargement Building B-D SPL 2.2, Details City-Standard SPL-5.0, Details Site & Landscape SPL-5.1, Details Other SPL-5.2 & 5.3, dated 2/11/19, prepared by Eric Rains Landscape Architecture, LLC, on file with the Planning & Zoning Department; and
27. Per the architectural plans Open Space/Recreation Area Plans A0.70, Workforce Housing Plans A0.71, F.A.R. Plans A0.72, Materials Reference Board A0.75, Basement & First Floor Plans A1.00, Second & Third Floor Plans A1.01, Fourth, Fifth & Roof Plans A1.02, Building A-West Elevation (South Main) A2.01, Building A-North Elevation (Elizabeth Street) A2.02, Building A-East Elevation A2.03, Building A-South Elevation A2.04, Building B Elevations A2.10, Building C Elevations A2.20, 12 Elizabeth Street A2.30, 14 Elizabeth Street A2.40, South Main & Elizabeth

Street Elevations A2.50, Sections – Building A3.01, Sections – Building A3.02, Sections – Building A3.03, Sections – Building A3.04, Detail Drawings A3.10, Detail Drawings 2 A3.11, dated February 11, 2019, prepared by Beinfield Architecture, on file with the Planning & Zoning Department; and

28. Per architectural renderings A0.60 and A0.61, by Beinfield Architecture and pictorial material board dated February 11, 2019 on file with the Planning & Zoning Department, and

29. All Department of Public Works conditions listed in their memo dated 3/6/19 are completed.

BE IT FURTHER RESOLVED that this application complies with Section 118-506 B, SoNo Station Design District, and with the applicable sections of the Building Zone Regulations for the City of Norwalk.

You must obtain a zoning approval and a building permit prior to any work on the site. A building permit must be obtained within one year of the effective date or this approval automatically becomes null and void. A zoning approval will not be issued until the plans have been revised to comply with the conditions of approval and a surety to guarantee the installation and maintenance of the required erosion and sediment controls is submitted to this office. The bond for this part of each part of the project is set at Thirty Thousand Dollars (\$30,000.00). Regarding all non-cash bonds: Corporation Counsel and the Commission reserve the right to approve the surety as to form and issuing financial institution.

To ensure that the approval becomes effective, the applicant must file a lot consolidation survey and a mylar of the approved site plan on the Norwalk Land Records. Once these filings have occurred, an application for a zoning permit may be requested.

A Certificate of Zoning Compliance will not be issued until a surety to guarantee the installation of any incomplete improvements is submitted to this office. The contractor or owner is responsible for alerting this office regarding the status of any incomplete improvements prior to any request for a certificate of zoning compliance. The applicant must post a bond sufficient to cover the cost of any incomplete improvements or of any work that is not in compliance with City standards.

Prior to the issuance of a Certificate of Zoning Compliance, the applicant must file the draft deed restriction as shown on a certain document entitled "DRAFT Affordability Plan" dated December 2018, as revised to February 11, 2019 and related documents on the Norwalk Land Records. Prior to filing these documents, the applicant must review the draft documents with Corporation Counsel and obtain their approval. These filings must precede any request for a Certificate of Zoning Compliance.

Enclosed please find a copy of the Policy on Construction Inspection in the City of Norwalk and As-Built Plan requirements. You are responsible for obtaining permits from the Department of Public Works prior to any work in a street right-of-way. All work must comply with the standards for the City of Norwalk, whether or not those standards were specifically discussed in the process of reviewing the application.

Please relay the above information to the applicant and contact this office after the effective date shown above to begin the process for obtaining to a zoning permit. If you have any questions regarding the enclosed, please contact me at (203) 854-7780.

Sincerely,



Steven Kleppin, Director
Planning & Zoning Commissions

enclosures

NORWALK PLANNING & ZONING COMMISSIONS

125 East Avenue P.O. Box 5125
Norwalk, Connecticut 06856-5125
(203) 854-7780

POLICY ON CONSTRUCTION INSPECTION IN THE CITY OF NORWALK

The Planning and Zoning staff is to be notified by the developer, contractor or the property owners prior to commencing the following stages of development:

1. Site Clearing
2. Rough grading
3. Installation of storm drainage
4. Installation of sanitary sewers
5. Placing of road base and final grading
6. Installation of bituminous concrete paving
7. Installation of landscaping
8. Installation of curbs and sidewalks
9. Receipt of certification of foundation location (as per Section 118-1420G).
10. Receipt of Certificate of Zoning Compliance

A set of as-built plans must be submitted along with a certificate from a professional engineer stating that the construction has been built according to city standards. Please contact the engineer of record so that an acceptable inspection program can be instituted in order to enable the engineer to certify the project.

All development proposals approved by the Planning & Zoning Commissions are subject to this policy on construction. Responsibility for compliance with this policy shall be upon the property owner. Any violation of this procedure could mean loss of time and money to the developer or contractor through delay in release of the surety or delay in the issuance of a Certificate of Zoning Compliance.

Messages concerning these matters will be received at the Planning & Zoning Commissions' office at City Hall, 125 East Avenue, Norwalk, CT.; Telephone (203) 854-7780, between the hours of 8:30 am and 3:30 pm, Monday through Friday.

If any changes in the construction plans are proposed, the Site Planner's approval shall be obtained before proceeding. If the change is substantial, a revised Utility Plan shall be submitted for approval before the work is done.

If the construction plans call for excavation in an existing public street for any reason, a permit for such work shall be obtained from the Department of Public Works prior to the beginning of work. No additional bond from the Planning or Zoning Commissions shall be required.

SURETY FOR ZONING COMMISSION APPROVALS

The Surety to be submitted as a condition of approval by the Zoning Commission shall be submitted in one of the two following forms:

- a. A combination of a cash surety and surety bond, with the cash surety amount being set a base of 25% of the total amount and the surety bond consisting of the remaining 75%.
- b. A cash bond totaling 100% of the surety.

All cash bonds shall be in the form of a cash deposit, accepted in the form of a bank or personal check to be made payable to *Treasurer – City of Norwalk*, unless otherwise approved by the Commission.

The Commission reserves the right to verify the rating of the surety company and to ensure that the bonds are issued from a licensed and admitted surety company covered by the Connecticut Insurance Guaranty Association.

NORWALK PLANNING & ZONING COMMISSIONS

125 East Avenue
P.O. Box 5125
Norwalk, Connecticut 06856-5125
(203) 854-7780

AS-BUILT PLAN (IMPROVEMENTS LOCATION MAP, RECORD)

The following information will be required to be submitted to satisfy the as-built requirement:

- Building Location Map showing:
 - All zoning setback lines
 - Structures & distances from property lines
 - Coverage calculations as required (Building, building & parking, open space, F.A.R.)
- Parking & loading spaces with total # of spaces and typical dimensions & aisle width
- Site improvements (sidewalks, curbs, planting islands, lights, ground signs, retaining walls, etc.)
- All utility pipes & structures, plan view showing rim and invert elevations, pipe size and material, slope, length

A set of as-built plans must be submitted along with a certificate from a professional engineer stating that the construction has been built according to city standards. Please contact the engineer of record so that an acceptable inspection program can be instituted in order to enable the engineer to certify the project.

If any changes in the construction plans are proposed, the Site Planner's approval shall be obtained before proceeding. If the change is substantial, a revised Utility Plan shall be submitted for approval before the work is done.

Return to:
Steven D. Grushkin, Esq.
Wofsey, Rosen, Kweskin & Kuriansky, LLP
600 Summer Street
Stamford, CT 06901

QUIT CLAIM DEED

TO ALL PEOPLE TO WHOM THESE PRESENTS SHALL COME, GREETING:

Know Ye That, The **CITY OF NORWALK**, a municipal corporation located in the County of Fairfield and State of Connecticut, hereinafter referred to as Releasor, for NO CONSIDERATION, received of **CLARK CAPITAL LLC**, a Delaware limited liability company, with its principal offices located at 393 Fortune Boulevard, Milford, Massachusetts 01757, hereinafter referred to as Releasee, does remise, release and forever QUIT CLAIM unto the said **CLARK CAPITAL LLC**, and unto its successors and assigns forever, all the right, title, interest, claim and demand whatsoever the said Releasor, has or ought to have in or to that certain Easement dated January 9, 1992 and recorded in Volume 2630, Page 167 of the Norwalk Land Records, including any and all right or claim the Releasor may have in and to any easement shown on Map #9912 and Map #11215, which maps are on file in the Norwalk Town Clerk's Office.

TO HAVE AND TO HOLD the premises, with all the appurtenances, unto the said Releasee, and unto its successors and assigns forever, so that neither the Releasor, nor its successors or assigns, shall hereafter have any claim, right or title in or to the easement, or any part thereof.

SIGNED AT NORWALK, CONNECTICUT, THIS _____ DAY OF _____, 2019.

Signed, Sealed and Delivered
in the Presence of:

CITY OF NORWALK

BY _____
Name:
Duly authorized

-Witness-

-Witness-

STATE OF CONNECTICUT)

) ss: Norwalk

COUNTY OF FAIRFIELD)

On this the _____ day of _____, 2019 before me, _____
_____, the undersigned officer, personally appeared
_____, known to me (or satisfactorily proven) to be the
person whose name is subscribed to the within instrument and acknowledged that he/she/they
executed the same for the purposes therein contained.
In witness whereof I have hereunto set my hand.

Commissioner of the Superior Court
Notary Public/My Commission Expires:

Town Clerk Copy

OP-236

Connecticut Real Estate Conveyance Tax Return
(Rev. 04/17)

For Town Clerk Use
Only

Town Code
Land Record
Vol.

Pg.

1. Town
NORWALK
2. Location of property conveyed (number and street)
64 SOUTH MAIN
- Amended return
3. Are there more than two grantors/sellers? Yes
4. Grantor/seller #1 (last name, first name, middle initial)
CITY OF NORWALK
Grantor/seller address (street and number) after conveyance
125 EAST AVENUE
City/town
NORWALK
State
CT
ZIP code
06851
5. Grantor/seller #2 (last name, first name, middle initial)
Grantor/seller address (street and number) after conveyance
City/town
State
ZIP code
6. Is the grantor a partnership, S corporation, LLC, estate, or trust? Yes
7. Was more than one deed filed with this conveyance? Yes
8. If this conveyance is for no consideration or less than adequate consideration, which gift tax returns will be filed?
Federal only State only Both fed. & state ☒ None
9. Is there more than one grantee/buyer or, is the grantee a partnership, S corporation, LLC, estate, or trust? Yes
10. Grantee/buyer (last name, first name, middle initial)
CLARKE CAPITAL LLC
Grantee/buyer address (street and number) after conveyance
393 FORTUNE BLVD.
City/town
MILFORD
State
MA
ZIP code
01757
11. Date conveyed (MM-DD-YYYY)
12. Date recorded (MM-DD-YYYY)
13. Type of instrument:
Warranty ☒ Quitclaim Easement Other
14. The grantor claims no tax is due because (See instructions.): ☒ Conveyance was for no consideration or consideration was less than \$2,000.
Conveyance is exempt under Conn. Gen. Stat. §12-498. Enter exemption code:
If exemption code is 01 or 09, enter citation or docket number:

Computation of Tax - Enter consideration for conveyance on the appropriate line. See Instructions.

15. Consideration for unimproved land x 0.0075 = 0.00
16. Total consideration for residential dwelling
- 16a. Portion of Line 16 that is \$800,000 or less x 0.0075 = 0.00
- 16b. Portion of Line 16 that exceeds \$800,000 0.00 x 0.0125 = 0.00
17. Residential property other than residential dwelling x 0.0075 = 0.00
18. Nonresidential property other than unimproved land x 0.0125 = 0.00
19. Property conveyed by a delinquent mortgagor x 0.0075 = 0.00
20. Total State of Connecticut tax due: Add Lines 15, 16a through 19. 0.00



OP-236
Connecticut Real Estate Conveyance Tax Return
(Rev. 04/17)

For Town
Clerk Use
Only

Town Code

Land Record

Vol. ▶

Pg. ▶

Complete Form OP-236 in blue or black ink only.

1. Town **NORWALK** 2. Location of property conveyed (number and street) **64 SOUTH MAIN** Amended return
3. Are there more than two grantors/sellers? ▶ Yes If Yes, attach OP-236 Schedule A - Grantors, Supplemental Information for Real Estate Conveyance Tax Return.
4. Grantor/seller #1 (last name, first name, middle initial) **CITY OF NORWALK** Taxpayer Identification Number **00 00000000** FEIN SSN
- Grantor/seller address (street and number) after conveyance **125 EAST AVENUE** City/town **NORWALK** State **CT** ZIP code **06851**
5. Grantor/seller #2 (last name, first name, middle initial) Taxpayer Identification Number FEIN SSN
- Grantor/seller address (street and number) after conveyance City/town State ZIP code
6. Is the grantor a partnership, S corporation, LLC, estate, or trust? ▶ Yes If Yes, attach OP-236 Schedule A - Grantors
7. Was more than one deed filed with this conveyance? ▶ Yes
8. If this conveyance is for no consideration or less than adequate consideration, which gift tax returns will be filed? ▶ Federal only State only Both fed. & state ☒ None
9. Is there more than one grantee/buyer or, is the grantee a partnership, S corporation, LLC, estate, or trust? ▶ Yes If Yes, attach OP-236 Schedule B - Grantees, Supplemental Information for Real Estate Conveyance Tax Return.
10. Grantee/buyer (last name, first name, middle initial) **CLARKE CAPITAL LLC** Taxpayer Identification Number **00 00000000** FEIN SSN
- Grantee/buyer address (street and number) after conveyance **393 FORTUNE BLVD.** City/town **MILFORD** State **MA** ZIP code **01757**
11. Date conveyed (MM - DD - YYYY) 12. Date recorded (MM - DD - YYYY) 13. Type of instrument: ☒ Warranty ☒ Quitclaim Easement Other
14. The grantor claims no tax is due because (See instructions.): ▶ ☒ Conveyance was for no consideration or consideration was less than \$2,000.
▶ Conveyance is exempt under Conn. Gen. Stat. §12-498. Enter exemption code:
If exemption code is 01 or 09, enter citation or docket number:

Computation of Tax - Enter consideration for conveyance on the appropriate line. See Instructions.

- ▶ 15. Consideration for unimproved land **x 0.0075 = 0.00**
- ▶ 16. Total consideration for residential dwelling
- ▶ 16a. Portion of Line 16 that is \$800,000 or less **x 0.0075 = 0.00**
- ▶ 16b. Portion of Line 16 that exceeds \$800,000 **0.00 x 0.0125 = 0.00**
- ▶ 17. Residential property other than residential dwelling **x 0.0075 = 0.00**
- ▶ 18. Nonresidential property other than unimproved land **x 0.0125 = 0.00**
- ▶ 19. Property conveyed by a delinquent mortgagor **x 0.0075 = 0.00**
- ▶ 20. Total State of Connecticut tax due: Add Lines 15, 16a through 19. **0.00**

Declaration: I declare under penalty of law that I have examined this return (including any accompanying schedules and statements) and, to the best of my knowledge and belief, it is true, complete, and correct. I understand the penalty for willfully delivering a false return to the Department of Revenue Services (DRS) is a fine of not more than \$5,000, or imprisonment for not more than five years, or both. The declaration of a paid preparer other than the taxpayer is based on all information of which the preparer has any knowledge.

Indicate who is signing this return:

Grantor

Grantor's attorney

Grantor's authorized agent

Name of person signing the return (type or print)

Signature

Date

Name of grantor's representative (type or print)

Connecticut juris number if applicable

Telephone number

A. DiCesare Associates, P.C.
690 Clinton Avenue, Bridgeport, Connecticut 06604
phone: 203-696-0444 * website: www.adicesarepc.com

July 31, 2019

Mr. Anthony R. Carr, P.E.
Chief of Operations and Public Works
City of Norwalk
Department of Public Works
125 East Avenue, City Hall
Norwalk, Connecticut 06856-0798

Attn: Mrs. Lisa Burns, P.E.
Project Manager

Re: Underground Utility Relocation Project along East Avenue
ADA File No. 207023

Dear Mrs. Burns:

Transmitted herewith is our Scope of Work & Cost Proposal to perform services in connection with the above referenced project. We hope and trust the supporting documentation is adequate and appropriate.

Should there be any questions or need for additional information, please do not hesitate to contact me.

Very truly yours,
The Office of
A.DiCesare Associates, P.C.



Arthur DiCesare, P.E.
Engineer-in-Charge

Underground Utility Relocation Project In the City of Norwalk

SCOPE OF SERVICES

July 31, 2019

A.DiCesare Associates P. C. (ADA) will perform services in connection with the Underground Utility Relocation (UUR) Project along East Avenue. The Project includes a standalone set of contract documents for work along East Avenue from Fort Point Street to approximately Olmstead Place.

If necessary, the Underground Utility Relocation (UUR) Project will be integrated with the Connecticut Department of Transportation contracts. Namely, the Advanced Utility Construction Contract (SPN 301-0501) which includes utility relocations performed prior to construction of the East Avenue Railroad Bridge, as well as roadway improvements along East Avenue (SPN 102-297).

The design will be prepared by respective utility companies (i.e. Third Taxing District, Altice, Frontier, & Crown Castle). ADA's service will be to compile the respective design into a cohesive document for construction. Contract documents will identify the relocation, abandonment, and improvement work to utilities immediately adjacent to and within the project limits. Each location presents unique constraints, variables, project sites, limits, affected utility companies, responsible design parties, extent of design, and scheduled time of construction.

Task 1: Advanced Utility Construction Contract Documents

1.1 Contract Documents

Contract Documents will require integration of designs, details, plans, specifications, calculations, estimates, and documentation from utility designated designers.

ADA will assist with the technical coordination of design elements from the utility designated designers to develop a complete submission package. ADA will be aiding with the coordination and development of utility general notes, overall utility plans, and details for construction.

ADA will establish a design schedule and chair progress meetings.

For the Final Design Submission (100%), each utility designer shall provide a Connecticut Professional Engineer in charge to apply a digital watermark with signature on sheets and calculations under their responsibility.

Table 1 identifies the existing utilities and defines the responsible parties' roles for relocation design.

TABLE NO. 1

Facility Owner	Designer	Infrastructure Construction	Cutover Construction	Cable Pulling
Altice	Altice	CMJV	Altice	Altice
City of Norwalk (Fiber)	Frontier	Frontier	Frontier	Frontier
Crown Castle	Frontier	CMJV	Crown Castle	Crown Castle
Eversource Gas	Eversource Gas	Eversource Gas	Eversource Gas	N/A
Third Taxing District Electric (TTD)	TTD	CMJV (Subsurface)	TTD	TTD
Frontier	Frontier	CMJV	Frontier	Frontier

1.2 Project Specifications

ADA will aid in the development of the detailed specifications for construction. The Project Specifications will be prepared in a format which supplements current CTDOT standard and utility company specifications. The specifications provided will be in the latest Form 817 format.

1.3 Construction Cost Estimate

ADA will compile respective detailed quantity backup with item summary and unit prices for East Avenue from respective utility designated designers. ADA will compile into the final Construction Cost Estimate for milestone design submissions.

The estimate will capture construction labor, contingencies, and escalations as required by CTDOT's most current version of their cost estimating guidelines document.

1.4 Construction Schedules

ADA will work with respective utility designated designers to develop a construction schedule for milestone design submissions.

ADA will provide the following as established during Walk Bridge Program coordination meetings and based upon the Utility Owner's input in written format for East Avenue:

- Project MPT / staging / phasing depicted in the plans
- Limitations / restrictions / special considerations

1.5 Meetings: Utility & Conflict Mitigation

This task includes meetings with the client and utility companies to identify, discuss, and mitigate utility conflicts encountered during the planning and design phase. ADA will work with the utility owners, stakeholders, and WALK Bridge program designers

It is anticipated that meetings will require typically two (2) ADA attendees at a total of ten (10) meetings.

UNDERGROUND UTILITY RELOCATION PROJECT									
ALONG EAST AVENUE IN THE CITY NORWALK, CT									
TASK DESCRIPTION	Engineering Manager	Supervising Engineer	Senior Engineer	Engineer	CADD Oper	Totals	reimbursible expenses (allowance)		
1.1 Contract Documents	16	32	140	100	60	348			
1.2 Project Specifications			16	16		32			
1.3 Compilation of Construction Cost Estimate			16	16		32			
1.4 Compilation of Construction Schedules			24	12		36			
1.5 Meetings	60		60			120			
TOTAL HOURS	76	32	256	144	60	568	\$ 500.00		
AVERAGE HOURLY RATES	\$100.00	\$60.00	\$52.00	\$40.00	\$32.00				
DIRECT LABOR	\$7,600.00	\$1,920.00	\$13,312.00	\$5,760.00	\$1,920.00	\$ 30,512.00			
BURDEN, FRINGE & OVERHEAD (108%)	\$8,208.00	\$2,073.60	\$14,376.96	\$6,220.80	\$2,073.60	\$ 32,952.96			
SUBTOTAL	\$15,808.00	\$3,993.60	\$27,688.96	\$11,980.80	\$3,993.60	\$ 63,464.96			
PROFIT (10%)	\$1,580.80	\$399.36	\$2,768.90	\$1,198.08	\$399.36	\$ 6,346.50			
TOTAL	\$17,388.80	\$4,392.96	\$30,457.86	\$13,178.88	\$4,392.96	\$ 69,811.46	\$ 500.00		
	TOTAL	\$ 70,311.46							
	SAY	\$ 70,000.00							



CITY OF NORWALK
Chris Torre
Superintendent of Operations
ctorre@norwalkct.org
P: 203-854-3203 / F: 203-854-3224
15 South Smith Street
Norwalk, CT 06855

To: City of Norwalk, Department of Public Works Committee
From: Chris Torre, Superintendent of Operations
CC: Anthony Carr, Chief of Operations and Public Works
Dilene Byrd, Administrative Services
Date: July 30, 2019
Re: **Authorize the Purchase of one 2019 Rapidview Pipe Inspection Vehicle**

Resolution:

Authorize the Purchasing Agent to issue a purchase order to C.N Wood of Connecticut, LLC, for the purchase of one (1) 2019 Rapidview Pipe Inspection Vehicle for a sum not to exceed \$368,410.00.

Account # 09-20-4031-5777-C0313

60



C.N. WOOD of CONNECTICUT, LLC

ENVIRONMENTAL MAINTENANCE EQUIPMENT

June 12, 2012

**City of Norwalk
DPW
South Smith Street
Norwalk, CT**

REFERENCE: Rapidview Pipe Inspection Vehicle – SOURCEWELL Contract # 122017-RVL

WE ARE PLEASED TO QUOTE YOU ON THE FOLLOWING:

1 ORPHEUS HD Pan & Tilt Camera

- * Pan&Tilt, Zoom Camera of 6" pipelines
- * Full HD 1920x1080 Resolution, HD-SDI Standard (patent pending)
- * 120x Zoom (10x Optical, 12x Digital)
- * Pan-able zoom optics
- * High-power LED lighting with gap lighting
- * Intelligent Auto-Focus
- * Innovative HUD display

1 BS7 Control Unit

- For operation of the camera and the tractor functions
- For permanent installation in a vehicle in 19" technology
- Separate control panel type BP7 (u-console) with color LCD display for status information, 2 joysticks, emergency stop, microphone for intercom
- Video in and out, S-video out
- Including data display generator and RS232 interface
- Operating voltage 100/120/240 VAC +/-10%
- Integrated box A for extension kit
- PANORAMO operation

1 KW505 HD Synchronized Power Cable Reel

- * Designed for use with HD Systems. BS7 Controller required.
- * Synchronized cable payout and retraction
- * Automatic level wind
- * Requires vehicle installation
- * Includes remote control pendant and LED boom light
- * Distance counter with rear display

- * Holds up to 2000' on 00/12 fiber optic cable
 - * Includes integrated tractor lowering winch and control
- 2 HD/FO 2 Camera Cable Type 00/12
- * Required for HD Systems
 - * 1000 feet of fiber optic cable
 - * Requires KW505 HD/FO Cable Drum and BS7 Controller
 - * Older drums may require adapter kit. Please contact your representative for more information.
- 1 Cable Deflection Pulley KUV 2.7 with rope and holder
- 1 Cable Deflection Pulley KW305/505
- * Attaches to the boom for off-manhole setups
- 1 Cable Deflection KUV3
- * Upper manhole deflection unit
 - * Protects cable during remote setups
- 1 KW Reel foot-operated winch switch
- * Control the lowering winch with foot to allow more control while lowering the tractor into the manhole
- 1 T76 HD TRACTOR
- * HD Version required for HD System operation
 - * Mainline tractor for use in pipelines 5" and up
 - * Zero turn radius, full steering with ATC (Automatic Tilt Compensation)
 - * Includes lowering claw, toolset and 5"/6"/8"/10" wheelsets
 - * T76 can be used as the chassis for the LISY 3.2 HD Extension
 - * Requires a HD Camera Base module for normal mainline operations
 - * Add the Remote Elevator (904116031) to help in larger pipelines
- 1 HD Camera Base Module for T76/86 Tractor
- * Required for operation of T76/86 HD as mainline tractor
 - * Includes 33kHz and 512Hz transmitters for location
- 1 Remote Elevator for T76/86
- * Raises the camera to allow centering in pipeline
 - * Lifts camera above water line in pipes with flow
- 1 KRA75/T76 Overturn Protection
- * for s/n 194191 forward KRA75
 - * Helps avoid roll-overs and damage to the system.
- 1 Pneumatic Tires for T76/86 KRA75/85 PANORAMO and LISY (Grey)
- 1 X-Large Pneumatic Tires for T76/86/PANORAMO/LISY (Black) - 4.00-4
- 1 T76 Treaded Wheelset for 8" and up (Brown/Hard)
- RAD 122 PUR
- 1 Granulated wheel set RAD 100-4
- 1 Granulated wheel set RAD 120-4
- 1 High-Traction Tungsten Carbide Wheels for 8" and up
- * For use with T76 / T86 / PANO2 Tractors
 - * Large Grit
- 1 T66.1 HD Camera Tractor
- * For use with HD camera cable/systems
 - * For camera operation in pipelines 4" and larger
 - * Zero turn radius, full steering with ATC (Automatic Tilt Compensation)
 - * Incl. test adapter, tool set and lowering claw.

- * Includes 4", 6" and 8" wheelsets
- * REQUIRES Camera Connection (Sold Separately)
- 1 Camera Connection Type 5.1 HD for T66.1HD Tractor
 - * Connection for HD cameras
 - * Manually elevating lift to raise camera
 - * Includes connection for ZSW light ring
- 1 Camera Connection Type 1.1 (HD) for T66.1HD with NON-HD Cameras
 - * Flexible front connector for camera on T66.1 HD tractor
 - * Allows easier access to tight spaces
 - * Connects to T66.1HD tractor, but only accepts NON-HD cameras
- 1 Additional Weight for T66
 - * For 6" and up
 - * Light and heavy weights included
 - * Additional weight = additional traction = greater distance
- 1 T66 Lowering Claw Used With Pole Adapter
- 1 Treaded Wheel Set for 6" Pipes
 - * For T66/PANORAMO 150 Tractor only
- 1 Treaded Wheel set for 8" pipe for T66 / 10" for PANORAMO 150 (HARD)
- 1 High-Traction Tungsten Carbide Wheels for 6" and up
 - * For use with T66 and PANO 150 Tractors
 - * Large Grit
- 1 High-Traction Tungsten Carbide Wheels for 8" and up
 - * For use with T66 for 8" and up
 - * For use with PANO 150 Tractors for 10" and up.
 - * Large Grit
- 1 Wheelset Adapters T76 to T66 / PANORAMO 150 Hub
- 8 KT180 Counter Assembly Part - SLOTTED CHEESE HEAD SCREW M6x45
- 1 RETRUS Back-Eye Camera for HD systems
 - * Integrated plug in adapter for HD systems
 - * LED lighting
 - * Attaches between tractor and cable
 - * Requires software update on older systems.
 - * Please note: the reverse camera is not HD.
- 1 KKA 16-12 HD Adapter
 - * Adapts HD system to accept non-HD equipment.
- 1 CERBERUS handheld axial camera
 - * for manned inspection of large pipes
 - * 10x Optical zoom
 - * Laser measurement
 - * Ergonomic hand grip
- 1 Extension Kit for HSP or CERBERUS to BS5 / BS7
- 1 KKA 16-10 HD Soft Cable Adapter
 - * Adapts HD soft cable directly to camera
 - * For use in vertical inspections or testing.
- 1 Adapter bracket for HD Adapter to pole
- 1 Lowering Poles for Tractors
 - * Includes fiberglass poles and adapter to lowering claws.

1 ARGO Raft

- * For use in large, partially filled lines
- * Includes floating raft and deflection pulley
- * Requires ARGO Adapter box or ARGO holder for camera adapter

1 ARGO holder for Camera Adapter

- * Built in receptacle for Camera Adapter (802300430 sold separately)

1 Protection Cage for Camera - ARGO Raft

1 MiniLite 2.0 Rack

- * Basic frame for MiniLite 2.0
- * Does not include Exchangeable drum, cable, controller, or camera
- * Includes 2 rechargeable batteries and charger

1 Tool Set for Pushrod System MiniLite

1 MiniLite Replacement Drum - 250 feet of EX Perfect Pushrod

- * Easily replace pushrod drum on MiniLite system.

1 BP 2 Portable Control Console w/ Joystick

- (1) Joystick for camera control
- High resolution 10" touch display (IP43)
- Integrated Windows 10 PC
- 2x USB 3.0 Ports
- IBAK Recorder software for recording and playback of videos and pictures.
- Software by 3rd party software manufacturers under preparation.

1 Pressure Test Set

1 ORION Zoom PAN & TILT CAMERA

- * Pan, Tilt and Zoom (3x digital) camera for 4" and up pipelines
- * May be used on tractor or pushrod
- * Auto-uprighting, LED Lighting and 33 kHz Transmitter for locate
- * New wide angle of view = 90°
- * High resolution and superior picture quality
- * Laser diameter, deformation, defect and object measurement (third party software required - not included)

1 MiniLite 2.0 Foot brace and support

- *place foot on brace while using to provide additional support.

1 UPGRADE - to 512kHz transmitter with Perfect Pushrod MP2 style termination (non-spring style).

1 Case for MiniLite 2.0 Control Console

- *Protects control console during transport

1 Display Extension for MiniLite 2.0

- * Raises control console to waist height for easier use while standing

1 Rolling Camera Skid for JUNO/ORION/ORION-L for 6" and up pipelines

1 AxialCam 2 Pushrod Camera

- * for 3" pipe and up
- * Integrated LED Lighting
- * Auto uprighting

1 2019 FORD E-450, 176" WB, V10 Engine, 6-Speed Automatic Transmission with Overdrive w/ Tow-Haul Mode, includes;
Remote Keyless Entry, 40-Gallon Fuel Tank, Grey Vinyl Seats and Flooring, Cruise Control, Power Group, Air Conditioning and AM/FM Stereo.

1 * ROCKPORT FRP Cargo 14' Box

- * Dim: 14'x8'x6'6"
- * Includes installation of box on approved chassis
- * Dual swing open rear doors
- * Side entry door
- * Rear backup camera
- * Onan 5.5Kw Commercial Genset (GAS)
- * Walk-thru design with partition wall and door
- * Sliding partition window
- * 12 VDC LED Lighting
- * Aluminum plank flooring
- * 13,500 BTU Roof Air
- * Exterior shore power package
- * Aux battery and charging system
- * 14 gallon pressurized wash down system
- * Carpeted walls in studio
- * Kemlite wall covering in work area
- * Rear 5 compartment toolbox
- * Laminate base cabinetry
- * Laminate overhead cabinets
- * Laminate countertops
- * Butcher block workbench
- * Strobe lights
- * Directional Arrow board
- * Small sink in work area
- * 15" monitor in work area
- * 17" monitor in studio

1 19" Industrial PANORAMO PC

These specifications or greater:

- * Ruggedized Rack Mount Cabinet
- * Intel Quad Core Processor
- * 4 GB RAM+
- * 1TB Hard Drive for Applications
- * 1TB Hard Drive for Data
- * DVD-R/CD-RW drive
- * Keyboard and Optical Mouse
- * Two 17" DVI Computer Monitors if purchased with a vehicle conversion
- * Operating system Windows 10 Professional 32 bit
- * 1TB USB Portable Hard Drive

1 KW Reel cabinet, (W-22", L-39" & H-34"), with a slide out tray for the LISY Synchro drum and one locking drawer with a divider. All aluminum drawer construction.

1 Wall-Mount Electric Heater

- * Installed under desk in office.

- 1 Fiberglass Pole Bracket
 - Lower support arm and 2 horizontal supports with push on stays
- 1 Powered Retractable Rear Canopy
 - * Protects from rain or sun
 - * Easy, push-button extension and retraction

SOFTWARE:

iTPipes Reporting Software to include license, computer software, and one year subscription for support.

F.O.B.: Norwalk, CT (SOURCEWELL CONTRACT):.....\$ 368,410.00

DELIVERY: In stock, subject to prior sale. New order unit shall be 120-150 days ARO.

Please contact us if there are any questions regarding this quote.

Sincerely,

Ron Cookish

**Ron Cookish
Sales**

Mailing Address:

25 Bernhard Road ● North Haven, CT 06473

Office: (203) 848 – 6735 ● Fax: (203) 848 – 6734



C.N. WOOD of CONNECTICUT, LLC

ENVIRONMENTAL MAINTENANCE EQUIPMENT

July 14, 2019

**City of Norwalk
DPW
South Smith Street
Norwalk, CT**

REFERENCE: Rapidview Pipe Inspection Vehicle – SOURCEWELL Contract # 122017-RVL

WE ARE PLEASED TO QUOTE YOU ON THE FOLLOWING:

1 ORPHEUS HD Pan & Tilt Camera

- * Pan&Tilt, Zoom Camera of 6" pipelines
- * Full HD 1920x1080 Resolution, HD-SDI Standard (patent pending)
- * 120x Zoom (10x Optical, 12x Digital)
- * Pan-able zoom optics
- * High-power LED lighting with gap lighting
- * Intelligent Auto-Focus
- * Innovative HUD display

1 BS7 Control Unit

- For operation of the camera and the tractor functions
- For permanent installation in a vehicle in 19" technology
- Separate control panel type BP7 (u-console) with color LCD display for status information, 2 joysticks, emergency stop, microphone for intercom
- Video in and out, S-video out
- Including data display generator and RS232 interface
- Operating voltage 100/120/240 VAC +/-10%
- Integrated box A for extension kit
- PANORAMO operation

1 KW505 HD Synchronized Power Cable Reel

- * Designed for use with HD Systems. BS7 Controller required.
- * Synchronized cable payout and retraction
- * Automatic level wind
- * Requires vehicle installation
- * Includes remote control pendant and LED boom light
- * Distance counter with rear display

- * Holds up to 2000' on 00/12 fiber optic cable
 - * Includes integrated tractor lowering winch and control
- 2 HD/FO 2 Camera Cable Type 00/12
- * Required for HD Systems
 - * 1000 feet of fiber optic cable
 - * Requires KW505 HD/FO Cable Drum and BS7 Controller
 - * Older drums may require adapter kit. Please contact your representative for more information.
- 1 Cable Deflection Pulley KUV 2.7 with rope and holder
- 1 Cable Deflection Pulley KW305/505
- * Attaches to the boom for off-manhole setups
- 1 Cable Deflection KUV3
- * Upper manhole deflection unit
 - * Protects cable during remote setups
- 1 KW Reel foot-operated winch switch
- * Control the lowering winch with foot to allow more control while lowering the tractor into the manhole
- 1 T76 HD TRACTOR
- * HD Version required for HD System operation
 - * Mainline tractor for use in pipelines 5" and up
 - * Zero turn radius, full steering with ATC (Automatic Tilt Compensation)
 - * Includes lowering claw, toolset and 5"/6"/8"/10" wheelsets
 - * T76 can be used as the chassis for the LISY 3.2 HD Extension
 - * Requires a HD Camera Base module for normal mainline operations
 - * Add the Remote Elevator (904116031) to help in larger pipelines
- 1 HD Camera Base Module for T76/86 Tractor
- * Required for operation of T76/86 HD as mainline tractor
 - * Includes 33kHz and 512Hz transmitters for location
- 1 Remote Elevator for T76/86
- * Raises the camera to allow centering in pipeline
 - * Lifts camera above water line in pipes with flow
- 1 KRA75/T76 Overturn Protection
- * for s/n 194191 forward KRA75
 - * Helps avoid roll-overs and damage to the system.
- 1 Pneumatic Tires for T76/86 KRA75/85 PANORAMO and LISY (Grey)
- 1 X-Large Pneumatic Tires for T76/86/PANORAMO/LISY (Black) - 4.00-4
- 1 T76 Treaded Wheelset for 8" and up (Brown/Hard)
- RAD 122 PUR
- 1 Granulated wheel set RAD 100-4
- 1 Granulated wheel set RAD 120-4
- 1 High-Traction Tungsten Carbide Wheels for 8" and up
- * For use with T76 / T86 / PANO2 Tractors
 - * Large Grit
- 1 T66.1 HD Camera Tractor
- * For use with HD camera cable/systems
 - * For camera operation in pipelines 4" and larger
 - * Zero turn radius, full steering with ATC (Automatic Tilt Compensation)
 - * Incl. test adapter, tool set and lowering claw.

- * Includes 4", 6" and 8" wheelsets
- * REQUIRES Camera Connection (Sold Separately)
- 1 Camera Connection Type 5.1 HD for T66.1HD Tractor
 - * Connection for HD cameras
 - * Manually elevating lift to raise camera
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 - * For 6" and up
 - * Light and heavy weights included
 - * Additional weight = additional traction = greater distance
- 1 T66 Lowering Claw Used With Pole Adapter
- 1 Treaded Wheel Set for 6" Pipes
 - * For T66/PANORAMO 150 Tractor only
- 1 Treaded Wheel set for 8" pipe for T66 / 10" for PANORAMO 150 (HARD)
- 1 High-Traction Tungsten Carbide Wheels for 6" and up
 - * For use with T66 and PANO 150 Tractors
 - * Large Grit
- 1 High-Traction Tungsten Carbide Wheels for 8" and up
 - * For use with T66 for 8" and up
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- 8 KT180 Counter Assembly Part - SLOTTED CHEESE HEAD SCREW M6x45
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 - * Adapts HD system to accept non-HD equipment.
- 1 CERBERUS handheld axial camera
 - * for manned inspection of large pipes
 - * 10x Optical zoom
 - * Laser measurement
 - * Ergonomic hand grip
- 1 Extension Kit for HSP or CERBERUS to BS5 / BS7
- 1 KKA 16-10 HD Soft Cable Adapter
 - * Adapts HD soft cable directly to camera
 - * For use in vertical inspections or testing.
- 1 Adapter bracket for HD Adapter to pole
- 1 Lowering Poles for Tractors
 - * Includes fiberglass poles and adapter to lowering claws.

1 ARGO Raft

- * For use in large, partially filled lines
- * Includes floating raft and deflection pulley
- * Requires ARGO Adapter box or ARGO holder for camera adapter

1 ARGO holder for Camera Adapter

- * Built in receptacle for Camera Adapter (802300430 sold separately)

1 Protection Cage for Camera - ARGO Raft

1 MiniLite 2.0 Rack

- * Basic frame for MiniLite 2.0
- * Does not include Exchangeable drum, cable, controller, or camera
- * Includes 2 rechargeable batteries and charger

1 Tool Set for Pushrod System MiniLite

1 MiniLite Replacement Drum - 250 feet of EX Perfect Pushrod

- * Easily replace pushrod drum on MiniLite system.

1 BP 2 Portable Control Console w/ Joystick

- (1) Joystick for camera control
- High resolution 10" touch display (IP43)
- Integrated Windows 10 PC
- 2x USB 3.0 Ports
- IBAK Recorder software for recording and playback of videos and pictures.
- Software by 3rd party software manufacturers under preparation.

1 Pressure Test Set

1 ORION Zoom PAN & TILT CAMERA

- * Pan, Tilt and Zoom (3x digital) camera for 4" and up pipelines
- * May be used on tractor or pushrod
- * Auto-uprighting, LED Lighting and 33 kHz Transmitter for locate
- * New wide angle of view = 90°
- * High resolution and superior picture quality
- * Laser diameter, deformation, defect and object measurement (third party software required - not included)

1 MiniLite 2.0 Foot brace and support

- *place foot on brace while using to provide additional support.

1 UPGRADE - to 512kHz transmitter with Perfect Pushrod MP2 style termination (non-spring style).

1 Case for MiniLite 2.0 Control Console

- *Protects control console during transport

1 Display Extension for MiniLite 2.0

- * Raises control console to waist height for easier use while standing

1 Rolling Camera Skid for JUNO/ORION/ORION-L for 6" and up pipelines

1 AxialCam 2 Pushrod Camera

- * for 3" pipe and up
- * Integrated LED Lighting
- * Auto uprighting

1 2019 FORD E-450, 176" WB, V10 Engine, 6-Speed Automatic Transmission with Overdrive w/ Tow-Haul Mode, includes;
Remote Keyless Entry, 40-Gallon Fuel Tank, Grey Vinyl Seats and Flooring, Cruise Control, Power Group, Air Conditioning and AM/FM Stereo.

1 * ROCKPORT FRP Cargo 14' Box

- * Dim: 14'x8'x6"
- * Includes installation of box on approved chassis
- * Dual swing open rear doors
- * Side entry door
- * Rear backup camera
- * Onan 5.5Kw Commercial Genset (GAS)
- * Walk-thru design with partition wall and door
- * Sliding partition window
- * 12 VDC LED Lighting
- * Aluminum plank flooring
- * 13,500 BTU Roof Air
- * Exterior shore power package
- * Aux battery and charging system
- * 14 gallon pressurized wash down system
- * Carpeted walls in studio
- * Kemlite wall covering in work area
- * Rear 5 compartment toolbox
- * Laminate base cabinetry
- * Laminate overhead cabinets
- * Laminate countertops
- * Butcher block workbench
- * Strobe lights
- * Directional Arrow board
- * Small sink in work area
- * 15" monitor in work area
- * 17" monitor in studio

1 19" Industrial PANORAMO PC

These specifications or greater:

- * Ruggedized Rack Mount Cabinet
- * Intel Quad Core Processor
- * 4 GB RAM+
- * 1TB Hard Drive for Applications
- * 1TB Hard Drive for Data
- * DVD-R/CD-RW drive
- * Keyboard and Optical Mouse
- * Two 17" DVI Computer Monitors if purchased with a vehicle conversion
- * Operating system Windows 10 Professional 32 bit
- * 1TB USB Portable Hard Drive

1 KW Reel cabinet, (W-22", L-39" & H-34"), with a slide out tray for the LISY Synchro drum and one locking drawer with a divider. All aluminum drawer construction.

1 Wall-Mount Electric Heater

- *Installed under desk in office.

- 1 Fiberglass Pole Bracket
 - Lower support arm and 2 horizontal supports with push on stays
- 1 Powered Retractable Rear Canopy
 - * Protects from rain or sun
 - * Easy, push-button extension and retraction

SOFTWARE:

iTPipes Reporting Software to include license, computer software, and one year subscription for support.

F.O.B.: Norwalk, CT (SOURCEWELL CONTRACT):.....\$ 368,410.00

DELIVERY: In stock, subject to prior sale. New order unit shall be 120-150 days ARO.

Please contact us if there are any questions regarding this quote.

Sincerely,

Ron Cookish

Ron Cookish
Sales

Mailing Address:

25 Bernhard Road ● North Haven, CT 06473

Office: (203) 848 – 6735 ● Fax: (203) 848 – 6734



CITY OF NORWALK
Chris Torre
Superintendent of Operations
ctorre@norwalkct.org
P: 203-854-3203 / F: 203-854-3224
15 South Smith Street
Norwalk, CT 06855

To: City of Norwalk, Department of Public Works Committee
From: Chris Torre, Superintendent of Operations
CC: Anthony Carr, Chief of Operations and Public Works
Dilene Byrd, Administrative Services
Date: July 30, 2019
Re: **Authorize the Purchase of one 2020 Mack GU713 Plow Truck**

Resolution:

Authorize the Purchasing Agent to issue a purchase order to Gabrielli Truck Sales of Milford, for the purchase of one (1) 2020 Mack GU713 Plow Trucks for a sum not to exceed \$231,864.00.

Account # 09-20-4031-5777-C0313

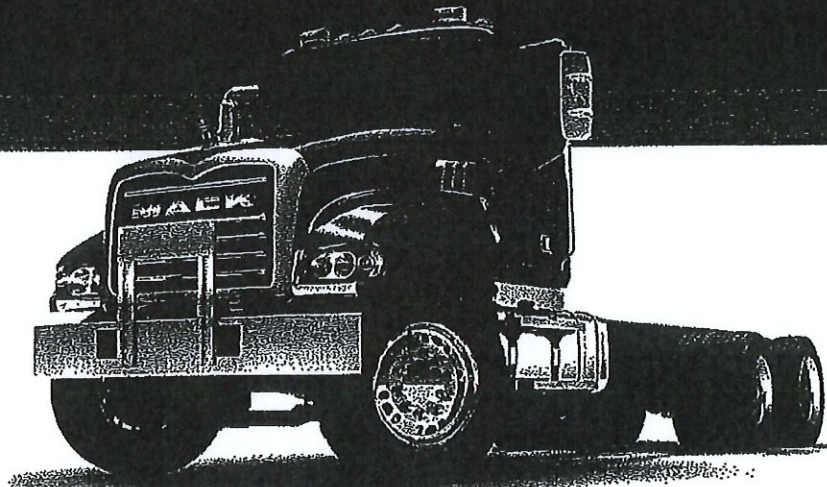
DATE
7/26/2019

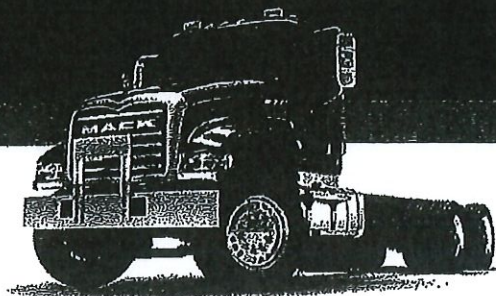
QUOTE NUMBER
GABR2019000163A463
GRANITE 42FR
Qty: 1

QUOTED BY
GABRIELLI TRUCK SALES
OF CONNECTICUT, LL
277 NEW PARK AVE
HARTFORD
CT 061062949

QUOTED FOR
CITY OF NORWALK
125 EAST AVE
NORWALK
CT 068515702

QUOTE



MACK

DATE

7/26/2019

QUOTE INFORMATION

GABR2019000163A463

GRANITE 42FR

Qty: 1

PREPARED BYGABRIELLI TRUCK SALES
OF CONNECTICUT, LL

277 NEW PARK AVE

HARTFORD

CT 061062949

PREPARED FOR

CITY OF NORWALK

125 EAST AVE

NORWALK

CT 068515702

Thank you for giving us this opportunity to provide a quote.

This proposal contains the complete specification and performance details of the Mack model configured for your application. Every proposed spec from Mack is prepared with lowest total cost of ownership and highest return on investment as the key objectives for our customers.

This reflects Mack's focus on application excellence to deliver uptime and fuel economy, reduced maintenance, driver satisfaction, productivity and high resale value. The enclosed spec and recommendations have been carefully designed to meet all these objectives.

Beyond the technical specifications contained in this proposal, it's important to remember that each Mack truck is backed by Mack Connect, the industry's leading uptime and productivity solution, plus a coast-to-coast network of dealer service locations. I think that after reviewing this proposal you will realize why Mack is "The American Truck You Can Count On."

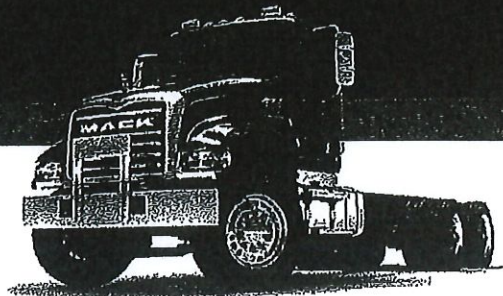
I look forward to meeting with you and to discuss any questions you might have regarding this proposal.

Yours sincerely

CHRIS STADLER

GABRIELLI TRUCK SALES OF CONNECTICUT, LL

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20180803	GABR2019000163A463	7/26/2019	2 of 12	CITY OF NORWALK	GABRIELLI TRUCK SALES OF CONNECTICUT, LL

MACK

TECHNICAL SPECIFICATION

GRANITE 42FR

CUSTOMER/VEHICLE INFO		DESCRIPTION
S	CHASSIS (BASE MODEL)	GRANITE 42FR
S	ASSEMBLY PLANT	Made In Macungie, PA USA
S	PRICE BOOK LEVEL	2020A Pricebook
S	CUSTOMER FLEET SIZE	DEALER FLEET WITH LESS THAN 25 VEHICLES IN OWN FLEET OF ANY VEHICLE BRAND
S	TYPE OF SERVICE	COMMERCIAL
S	WARRANTY REGISTRATION LOCATION	US - WARRANTY REGISTRATION LOCATION
S	INITIAL REGISTRATION LOCATION	ALL 50 STATES, CARB ENGINE EMISSION (US17)
S	LANGUAGE-PUBS/DECAL/SIGNS	ENGLISH
S	ROAD CONDITION	WELL MAINTAINED SURFACED ROADS >95% DRIVING DISTANCE
	VEHICLE USE & BODY/TRAILER TYPE	SNOW PLOW FRONT MOUNTED
S	GROSS COMBINATION WEIGHT	TRUCK ONLY - NO TRAILER TOWING PROVISIONS PROVIDED
S	BRAKE REGULATION	BRAKE REGULATION, STOPPING DISTANCE 94M (310FT)
	TOPOGRAPHY	GRADES <3% GREATER THAN 98% OF DRIVING DISTANCE MAX GRADE 8%
S	AMBIENT TEMP UPPER LIMIT (GTA)	AMBIENT TEMPERATURE HOT. WARMER THAN 104 F (40 C) ALLOWED UP TO 25 HOURS PER YEAR
	TERRAIN GRADE	TURNPIKE / INTERSTATE, STARTING / OPERATING GRADES 3% MAX
S	LOADING SURFACE	CONCRETE LOADING AND / OR UNLOADING SURFACE
S	VEHICLE VOCATION	CONSTRUCTION SERVICE

ENGINE/TRANSMISSIONS		DESCRIPTION
	ENGINE PACKAGE, COMBUSTION	MP7-425M MACK 425HP @ 1500-1800 RPM (PEAK) 2100 RPM (GOV) 1560 LB-FT, US'17
S	GEAR SELECTION TUNING	BASIC, GEAR-SELECTION TUNING
	TRANSMISSION	4500 RDS 6 SP-ALLISON RUGGED DUTY SERIES GEN 5 W/PROGNOSTICS
S	ENGINE GOVERNOR TYPE	ENGINE GOVERNOR TYPE MIN-MAX

EXHAUST/EMISSIONS		DESCRIPTION
S	CARB 2008 IDLE REGULATION	IDLE EMISSION CERTIFICATION, CARB (WITH DECAL LOCATED ON LOWER LH CORNER / DRIVER DOOR
S	DPF DIESEL PARTICULATE FILTER	CLEARTECH ONE BOX E.A.T.S. RH SIDE UNDER CAB US17

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MACK® TECHNICAL SPECIFICATION (cont.)

EXHAUST/EMISSIONS		DESCRIPTION
	DPF COVER	DPF COVER STAINLESS STEEL, POLISHED
	DEF TANK	8.7 GALLON (33 L) 26" INTEGRAL TO LH FUEL TANK
S	AD-BLUE TANK VENTILATION FILTER	WITHOUT DEF TANK VENTILATION FILTER
	EXHAUST	SINGLE VERTICAL RIGHT SIDE CAB MOUNTED, LOWER VENTURI DIFFUSER, TURNED END
	EXHAUST STACK HEIGHT	9' 6" FROM GROUND
	EXHAUST SYSTEM MATERIAL FINISH	SINGLE, BRIGHT FINISH STACK ONLY
S	EMISSION ON BOARD DIAG CONTROL	EMISSION OBD, DISPLAY ONLY, USA2018

ENGINE EQUIPMENT		DESCRIPTION
S	AIR CLEANER	11" x 30" (279 mm x 762 mm) UNDER HOOD SINGLE ELEMENT DRY TYPE W/AIR INTAKE FROM BOTH SIDES OF HOOD
	AIR INTAKE SOURCE	INSIDE/OUTSIDE AIR INTAKE W/ IN-CAB CONTROL FOR SNOWPLOWS
S	BUG SCREEN	BLACK ALUMINUM MOUNTED BEHIND GRILLE, WITHOUT WINTER FRONT COVER
S	AIR COMPRESSOR	MERITOR/WABCO 318 (18.7 CFM)
	ALTERNATOR	DELCO 12V 145A (24SI) BRUSH-TYPE
	BATTERIES	(3) MACK 12V 1000/3000 CCA THREADED STUD TYPE
S	BATTERY BOX - MOUNTING	LH RAIL UNDER CAB FORWARD OF FUEL TANK (3 BATTERY MAX)
	BATTERY BOX COVER	POLISHED ALUMINUM
	EMERGENCY START CONNECTIONS	EMERGENCY START STUDS, BATTERY BOX MOUNTED
	BATTERY DISCONNECT SWITCH	FLAMING RIVER BIG SWITCH WIRED TO POSITIVE SIDE
S	STARTER MOTOR	12 VOLT DELCO 39MT-MXT
	ENGINE STARTING AID	ELECTRIC PREHEATER
S	COMBUSTION ENGINE BRAKE	MACK MP7 POWERLEASH
S	FAN DRIVE	BEHR FAN AND ELECTRONIC MODULATING VISCOUS FAN DRIVE
	COOLANT PROTECTION	ETHYLENE GLYCOL FULLY FORMULATED COOLANT (50/50 MIX DYED PINK) TO -34DEG, W/ FILTER
	HOSES - RADIATOR/HEATER	SILICONE RADIATOR AND HEATER HOSES
	FUEL-WATER SEPARATOR	DAVCO 382, (FLUID HYD) FUEL HEATER/WATER SEPARATOR W/VENDOR PRIMARY
S	PRIMARY FUEL FILTER POSITION (CA)	STANDARD FUEL FILTER POSITION
	OIL PAN	CORROSION RESISTANT OIL PAN
	ENGINE BLOCK HEATER	120V 1500W ENGINE BLOCK HEATER
	TETHER DEV PKG, CAPS & COVERS	FURNISH CAP RETAINER FOR OIL FILL & RADIATOR OVERFLOW TANK, BATTERY BOX, AND TOOL BOX (IF FURNISHED)

CLUTCH/TRANS EQUIPMENT		DESCRIPTION
	GEAR SHIFTER	ALLISON DASH MOUNTED SHIFTER W/NEUTRAL TO RANGE INHIBIT (HD SERIES)
	DRIVELINE - MAIN	MERITOR 18 MXL "XTENDED LUBE"
	PROPELLER SHAFT MAIN, UNVSL JNT	UNIVERSAL JOINT HALF-ROUND TYPE
S	TRANSMISSION OUTPUT TORQUE	TRANSMISSION OUTPUT TORQUE BASIC
S	BELL HOUSING	ALUMINUM
	LUBRICANTS, TRANSMISSION	TRANSYND SYNTHETIC LUBE FOR ALLISON TRANS
	TRANSMISSION OIL COOLER	FURNISH FOR ALLISON TRANS. W/DIRECT MOUNT COOLER & SS COOLANT TUBES
	TRANSMISSION TORQUE CONVERTER	FURNISH TC541 FOR USE W/ALLISON (HD) SERIES WORLD TRANSMISSION

FRONT AXLE EQUIPMENT		DESCRIPTION
S	FRONT AXLE	18000# (8200 KG) MACK FXL18 (WIDE PIVOT CENTER) STRAIGHT SPINDLE/UNITIZED BEARINGS

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FRONT AXLE EQUIPMENT		DESCRIPTION
	SPRINGS - FRONT	MAEK MULTILEAF 18000# (8200 KG) GROUND LOAD RATING
S	FRONT AXLE BRAKES	MERITOR "S" CAM TYPE 16.5" x 6" Q+
	BRAKE LINING MATERIAL FRONT	ABEX 931-162 (MERITOR R301)(FRT.AXLE 18,000 MAX)
S	BRAKE, FRONT	CAST IRON
	FRONT AXLE BRAKE DUST SHIELD	DUST SHIELDS FOR FRONT AXLE
S	FRONT BRAKE ADJ. MANUFACTURE	HALDEX - AUTOMATIC
S	FRONT BRAKE CHAMBER MFG.	FRONT BRAKE CHAMBER MANUFACTURER, MGM
	FRONT BRAKE CHAMBER SIZE	FRONT BRAKE CHAMBER 30SQ INCHES (SERVICE)
S	HUB MATERIAL, FRONT	FERROUS
S	SHOCK ABSORBER, FRONT	DOUBLE ACTING TYPE
S	STEERING	SHEPPARD SD110
S	LUBRICANTS, FRONT AXLE	PETROLEUM/SYNTHETIC (50/50) OIL FRONT AXLE

REAR AXLE EQUIPMENT		DESCRIPTION
	REAR AXLE - SINGLE	30000# (13600kg) MERITOR RS-30-185 SINGLE REDUCTION
S	REAR AXLE CASING WIDTH	W/O WIDE TRACK AXLE
	CARRIER - REAR AXLE	VENDOR CARRIER
	REAR AXLE RATIO	6.38 RATIO
	REAR SUSPENSION - SINGLE	30000# MULTILEAF W/HELPER NO ANTI-SWAY
	BRAKES - REAR	MERITOR CAM 16.5"x7" P BRAKES
	BRAKE LINING MATERIAL DRIVE	MERITOR R403.
S	BRAKE, DRIVE, REAR	CAST IRON
S	REAR BRAKE ADJ MANUFACTURE	HALDEX - AUTOMATIC
	DRIVE AXLE BRAKE DUST SHIELD	DUST SHIELDS FOR REAR AXLE
	REAR BRAKE CHAMBER SIZE	REAR SPRING BRAKE CHAMBERS 30/36 TYPE
S	REAR BRAKE CHAMBER	MGM TR-T; TAMPER-RESISTANT BRAKE CHAMBERS
	HUB MATERIAL, DRIVE	FERROUS
	LUBRICANTS, REAR AXLE(S)	75W - 90 (SYNTHETIC LUBRICANT)
	TRACTION DIFFERENTIAL	DRIVER CONTROLLED INTER WHEEL DIFFERENTIAL LOCK FRT RR AXLE, MANUAL AIR VALVE W/WARNING LIGHT.
S	ABS SENSOR & MODULATOR	4S/4M SYSTEM REAR WHEEL END SENSORS
S	ANTILOCK BRAKE SYSTEM	BENDIX WITH TRACTION CONTROL
S	BRAKE VALVE VERSION	BENDIX SWITCHES AND VALVES WHERE POSSIBLE

FRAME EQUIPMENT/FUEL TANKS		DESCRIPTION
	WHEELBASE	187"
	AF (OVERHANG)	94"
	FRAME RAILS	STEEL - 300MM X 90MM X 9.5MM -- (11.81" X 3.54" X 0.37")
	RUST PROTECTION (for frame), ADDITIONAL (CA)	RUST PROTECTION BETWEEN FRAME RAILS AND LINERS
	FRAME INNER LINER	FRAME REINFORCEMENT - INSIDE, 6MM STEEL, FULL LENGTH OF MAIN RAIL
	FRONT FRAME LENGTH	BUMPER POSITION EXTENDED 20" (SNOW)
S	CROSSMEMBERS	BOC AND INTERMEDIATE(S) STEEL HD BACK-TO-BACK CHANNEL
	AUX CROSSM. IN REAR OVERHANG	STEEL SINGLE CHANNEL (1)
S	REAR CROSSMEMBER OPTIONS	FURNISH STANDARD STEEL CLOSING REAR CROSSMEMBER
S	REAR FRAME TREATMENT	WITHOUT TAPERED FRAME RAIL ENDS

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MAEK. TECHNICAL SPECIFICATION (cont.)

FRAME EQUIPMENT/FUEL TANKS		DESCRIPTION
S	MUDFLAP, FRONT AXLE	BLACK POLYARMOUR (NO NAME TO APPEAR ON FLAP) (NOT ANTI-SPRAY TYPE)
S	FRONT BUMPER	EXTENDED-SWEPT BACK-STEEL
S	TOWING DEVICE, FRONT	HOOKS
	TOWING DEVICE, REAR	HOOKS - FRAME MOUNTED
S	FUEL LEVEL SENDER UNIT, LIQUID	BASIC FUEL LEVEL SENDER MOUNTED ON L.H TANK
	FUEL TANK - LH	72 GALLON (276 L) 26" ALUMINUM, SLEEVED D-SHAPED
S	FUEL TANK - RH	W/O RH FUEL TANK
S	FUEL HOSES, LIQUID	BRAIDED HOSE
	FUEL LINE OPTIONS, LIQUID	W/O FUEL LINE OPTION
S	FUEL TANK CAP	NON-LOCKABLE FUEL TANK CAP
S	CAB INSTEP VERSION	STANDARD 2 STEP CAB ACCESS
S	FUEL FILL SYSTEM, LIQUID	W/O FAST FILL FUEL SYSTEM OPTION
AIR/BRAKE		DESCRIPTION
S	AIR DRYER - MANUFACTURER	WABCO 1200P W/TURBO CUT OFF VALVE, W/COALESCING OIL FILTER, HEATED
	AIRTANK DRAIN VALVE	AUTO DRAIN VALVE, HEATED, ON SUPPLY TANK, W/LANYARDS ON ALL OTHER TANKS
	AIRTANK MATERIAL	ALUMINUM, PAINTED
S	AIR DRYER POSITION (CA)	W/O RELOCATION OPTION
S	RELOCATE AIR RESERVOIRS	W/O RELOCATED AIR TANKS
S	PARKING BRAKE VALVE	SINGLE VALVE SYSTEM
ELECTRICAL		DESCRIPTION
	BACK-UP ALARM	ECCO BACK-UP ALARM 575 CONSTANT SOUND LEVEL 107 dB
	DASH MOUNTED SWITCHES	(4) 15A, IGNITION POWERED, (2) 15A BATTERY POWERED, ALL LATCHING ON/OFF
S	MARKER/DIRECTIONAL SIGNAL	W/O MARKER/DIR SIGNAL OPTION
	ROOF MARKER LIGHT	(5) GROTE LED LAMPS
	AUXILIARY LAMPS	DASH CTRL/PWR SUPPLY/LOCAL INST PLOW LAMPS W/LEAD FURN@ GRILL W/2W/3W WEATHER PACK CON
S	DAYTIME RUNNING LIGHTS	PARK BRAKE AND ENGINE RUNNING ACTIVATED
	TAIL LAMPS	LED TYPE TAIL LAMP MODULE MTD BELOW REAR CROSSMEMBER
	WORK LIGHTS - CHASSIS MOUNTED	RH/LH LED WORK LIGHT (STEPS & GROUND) ON BOTH SIDES TRUCK
TRAILER CONNECTIONS		DESCRIPTION
	TRAILER ELECTRICAL RECEPT	SINGLE 7 PINS STD SAE TYPE, END OF FRAME
PTO		DESCRIPTION
S	PTO TRANS NEUTRAL CONTRL CHECK	W/O NEUTRAL CONTROL
S	BODY BUILDER INTERFACE	BODY LINK III W/CAB PASS-THRU
CAB INTERIOR (A THRU G)		DESCRIPTION
S	GAUGES - UNIT OF MEASURE	U.S. UNITS (PREDOMINANT)
	GAUGE - TRANSMISSION OIL TEMP	TRANSMISSION OIL TEMP GAUGE
	GAUGE - EXHAUST PYROMETER	EXHAUST PYROMETER GAUGE
	AUXILIARY PNEUMATIC OUTLET CAB	AUX. INCAB PNEUMATIC LINE CLEANOUT

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MACK. TECHNICAL SPECIFICATION *(cont.)*

CAB INTERIOR (A THRU G)		DESCRIPTION
S	AIR CONDITIONING/HEATER	BLEND AIR HVAC W/"ATC" TEMP REGULATION
S	DOME LAMP, INTERIOR	(4) DOME LAMPS - DOOR AND SWITCH ACTIVATED
	DASH INDICATOR - LAMP BODY OUT OF POS	DASH MTD, INDICATOR BODY/HOIST UP "BODYBUILDER LAMP"
	FIRE EXTINGUISHER	5LB (ABC RATED/AMEREX) MOUNTED BETWEEN LH SEAT BASE AND DOOR WITH VALVE AIMED REARWARD
S	FLOOR COVERING	POLYURETHANE FLOOR MAT

CAB INTERIOR (H THRU R)		DESCRIPTION
S	INSTANT CLUSTER LANGUAGE	DEFAULT: ENGLISH, SPANISH, FRENCH
S	DOOR OPENING OPTIONS	W/O ELECTRONIC KEYLESS ENTRY
S	AUDIO ACCOMMODATION	PREMIUM STEREO, AM/FM, CD-PLAYER, MP3, WEATHER BAND, BLUETOOTH
S	ANTENNA - RADIO	RADIO ANTENNA, CAB MOUNTED BEHIND LH DOOR
	AUDIO SHUTOFF	AUTO SHUTOFF FOR RADIO ENTERTAINMENT SYSTEM WHEN VEHICLE IS ENGAGED IN REVERSE
S	POWER LEADS	POWER LEADS (5-WAY BINDING POSTS FOR CB RADIO) IN HEADER CONSOLE
S	AUDIO SPEAKER LOCATION	SPEAKER LOCATION, IN DOORS, MIDDLE HIGH SIDE PANEL
S	COM.RADIO PREP KIT (CB)	CB RADIO MOUNTING REINFORCEMENT IN HEADER CONSOLE
S	AUXILIARY REAR WINDOW	REAR WINDOW (FIXED TYPE)
S	REAR WALL STORAGE COMPARTMENT	STORAGE POUCH REAR
	REFLECTOR KIT	EMERGENCY REFLECTOR KIT MOUNTED PARALLEL & CENTERED AGAINST BOC

CAB INTERIOR (S THRU Z)		DESCRIPTION
S	INTERIOR TRIM LEVELS	STANDARD PACKAGE, STEEL GRAY (Package 11A)
	SEAT - DRIVER'S	MACK-AIR, HIGH BACK, 4 CHAMBER AIR LUMBAR, BOLSTER, EXTENSION
	SEAT COVERING - DRIVER'S	DRIVER'S SEAT - STEEL GREY VINYL / CLOTH MIX
	SEAT - PASSENGER'S	MACK-FIXED, HIGH BACK, W/ STORAGE BOX
S	SEAT COVERING - PASSENGER'S	PASSENGER'S SEAT - STEEL GREY VINYL
	SEAT ARMREST	INBOARD MOUNTED ARM REST, DRIVER'S SEAT ONLY
	SEAT BELT(S)	LAP & SHOULDER HEIGHT ADJUSTMENT D-RING SEATBELT RH/LH ORANGE IN COLOR
S	IGNITION TYPE	KEY TYPE
S	STEERING WHEEL	2 SPOKE URETHANE GRIP, GUNMETAL SPOKES, W/O SWITCHES
S	SUN VISOR - INTERIOR, FRONT	SUN VISOR - BOTH SIDES
S	WINDSHIELD TYPE	2-PIECE WINDSHIELD
	CAB GLASS	HEATED TINTED WINDSHIELD, TINTED SIDE AND REAR WINDOW
	WASHER RESERVOIR POSITION	WINDSHIELD WASHER RESERVOIR INSTALLED BOC
	WINDSHIELD WIPERS	2 SPEED ELECTRIC MOTOR WINTERMITTENT FEATURE & ARCTIC WIPER BLADES

CAB EXTERIOR		DESCRIPTION
	AIR INTAKE GRILLE, FINISH	BRIGHT FINISH GRILLE
	GRILLE	BRIGHT FINISH BARS W/BRIGHT FINISH SURROUND GRILL MOUNTED
S	DOOR WINDOW FRONT	AUX. WIN. DOOR ON RIGHT SIDE NON STG WHL POS. DEPEND
	GRAB HANDLES	BF EXTERIOR CAB GRAB HANDLES, BLACK GRAB HANDLE RH INTERIOR WINDSHIELD POST
S	REAR CAB SUSPENSION	REAR CAB SUSPENSION, AIR
S	HOOD LATCH FINISH	PAINTED HOOD LATCHES

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MACK. TECHNICAL SPECIFICATION (cont.)

CAB EXTERIOR	DESCRIPTION
HORN - AIR	(2) MACK RECTANGULAR SINGLE TRUMPET, BRIGHT FINISH ALUMINUM W/SNOW SHIELDS
HORN - ELECTRICAL	DUAL TONE
MIRRORS - EXTERIOR	FLAT MIRROR - POLISHED ALUMINUM FINISH, HEATED, W/O LAMPS
MIRRORS - CONVEX TYPE CAB DOORS	BRIGHT FINISH, LH & RH 8" DIA. HEATED CONVEX
SUN VISOR - EXTERIOR	SUN VISOR, EXTERIOR, FIBERGLASS (PAINTED)

WHEELS & TIRES	DESCRIPTION
GHG STEER TIRE CATEGORY (PAWS)	ADVANCED LOW ROLLING RESISTANCE, BEST FUEL ECONOMY
TIRES BRAND/TYPE - FRONT	315/80R22.5 L BRIDGESTONE M870 (20000 lbs) (Total for QTY = 2)
WHEELS - FRONT	22.5x9.00 HAYES LEMMERZ STEEL DISC 10-HOLE HUB PILOTED, FIVE HAND HOLES (11 1/4"/286mm BC) 6.42" INSET (Total for QTY = 2)
S FRONT AXLE TIRE & WHEEL QUANTITY	TWO FRONT TIRES & WHEELS
GHG DRIVE TIRE CATEGORY (PAWS)	OTHER (NON-SPECIFIED), VERY POOR FUEL ECONOMY
TIRES BRAND/TYPE - REAR	12R22.5 H GOODYEAR G622 RSD (27120 lbs) (DRIVE ONLY) (Total for QTY = 4)
WHEELS - REAR	22.5x9.00 HAYES LEMMERZ STEEL DISC 10-HOLE HUB PILOTED, FIVE HAND HOLES (11 1/4"/286 mm BC) (Total for QTY = 4)
S REAR AXLE TIRE & WHEEL QUANTITY	FOUR REAR AXLE TIRES & WHEELS
DRIVE WHEEL STUDS	DRIVE WHEEL STUDS BASIC LENGTH
S TIRE INFLATION VALVE	STANDARD VALVE STEMS AND CAPS
HUB/WHEEL ISOLATOR FRONT	PROTECTIVE NYLON SPACER BETWEEN DISCS WHEEL TO DRUM
HUB/WHEEL ISOLATOR DRIVE	FURNISH PROTECTIVE NYLON SPACER BETWEEN DISCS & WHEEL TO DRUM
S WHEEL NUT & FINISH, FRONT	WHEEL NUT BASIC FINISH, FRONT
S WHEEL NUT FINISH, REAR (CA)	WHEEL NUT BASIC FINISH, REAR

COMMUNICATION SYSTEMS	DESCRIPTION
S CO-PILOT - DISPLAY FEATURES ACCESS LEVEL	DISPLAY FEATURES, LIMITED, NO DRIVER ACCESS LEVEL 1
S TELEMATIC GATEWAY	TELEMATICS GATEWAY, 4G/LTE AND WLAN SYSTEM WITH DIAGNOSTIC SERVICES

ENGINE ELECTRONICS	DESCRIPTION
S OIL PRESSURE, ENGINE SHUTDOWN	OIL PRESSURE, ENGINE SHUTDOWN
COOLANT LEVEL, ENGINE SHUTDOWN	COOLANT LEVEL ENGINE SHUTDOWN
S COOLANT TEMP, ENGINE SHUTDOWN	COOLANT TEMP, ENGINE SHUTDOWN
S ENGINE PROTECTION SYSTEM	ENGINE PROTECTION (SHUTDOWN)
S ENGINE IDLE CONTROL	IDLE CONTROL, 650 RPM
S SMART IDLE ELEVATED IDLE RPM TIME	INCREASE 10 MINUTE MAXIMUM TIME
S IDLE S/D ABS TAMPER CHECK	IDLE SHUTDOWN ABS TAMPER CHECK, ENABLED
S ENGINE IDLE SHUTDOWN TIME	IDLE SHUTDOWN TIME 10 MIN.
S IDLE S/D WARNING TIME	30 SEC IDLE S/D WARNING TIME
S IDLE S/D IF WARM-UP TEMP	38C DEG (100F), WARM UP TEMP DELAY
S IDLE S/D WARM-UP TIMER	5 MIN. WARM UP TIME DELAY
S IDLE S/D IF PTO ACTIVE	ENGINE IDLE SHUTDOWN TIME OVERRIDDEN IF PTO ACTIVE
S IDLE SHUTDOWN IF POWER > LIMIT	ENG IDLE SHUTDOWN TIME OVERRIDDEN IF TORQUE > THAN LIMIT
S IDLE S/D OVERRIDE %ENGINE LOAD	IDLE SHUTDOWN OVERRIDE UPTO 20% ENGINE LOAD THRESHOLD
S AMBIENT TEMP MIN TRESHOLD	AMBIENT TEMP MIN TRESHOLD, 16 DEG C, (60 DEG F)

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MACK® TECHNICAL SPECIFICATION (cont.)

ENGINE ELECTRONICS		DESCRIPTION
S	AMBIENT TEMP MAX TRESHOLD	AMBIENT TEMP MAX TRESHOLD, 27 DEG C, (80 DEG F)
S	EL HD THROTTLE,MAX ROAD SPEED	ELECTRONIC HAND THROTTLE, MAX ROAD SPEED, 16 KMH (10 MPH)
	EL HAND THROTTLE,MAX ENG SPEED	ELECTRONIC HAND THROTTLE, MAX ENGINE SPEED, 2100 RPM
S	EL HAND THROTTLE,MIN ENG SPEED	ELECTRONIC HAND THROTTLE, MIN ENGINE SPEED, 700 RPM
S	EL HD THROTTLE,SPEED RAMP RATE	ELECTRONIC HAND THROTTLE, SPEED RAMP RATE, 100 RPM/SEC

TRANSMISSION ELECTRONICS		DESCRIPTION
S	ECONO ROLL	ECONO ROLL DISABLE mDRIVE (REQUIRED FOR ALL OTHER TRANSMISSIONS)
	TRANSMISSION PROTECTION	TRANS. PROTECTION, ENGINE SHUT DOWN (HIGH TEMP.)
	TRANSMISSION ELECTRONICS PACKAGE	148 CONSTRUCTION, W/O AUTO NEUTRAL, W/O RDCI, W/O AUX FUNCTION RANGE INHIBIT
S	TRANSMISSION ELECTRONIC SHIFTING PROPERTIES	W/O TRANSMISSION ELECTRONIC SHIFTING PROPERTIES

VEHICLE ELECTRONICS		DESCRIPTION
S	CRUISE CONTROL	CRUISE CONTROL
S	CRUISE CONTROL, MAX SPEED	MAX CRUISE, 105 KPH (65 MPH)
S	CRUISE CONTROL MIN SPEED	MIN CRUISE, 32 KPH (20 MPH)
S	ENG BRK ENGAGE IN CRUISE	ENG BRK ENGAGE IN CRUISE, 3 MPH, ABOVE SET SPEED
	PEDAL RSL SETTING	105 KM/H PEDAL ROAD SPEED LIMITER (65MPH)
S	ROAD SPEED LIMITER SETTING	105 KM/H ROAD SPEED LIMITER(65 MPH)
	MAXIMUM ENG SPEED AT 0 MPH	1950 MAXIMUM ENGINE SPEED AT 0 MPH
S	DETECTION SPEED SENSR TMRNG	DETECTION OF SPEED SENSOR TAMPERING, ENABLE
S	ENG TORQUE LIMIT,SPEED SENSOR	ENG TORQUE LIMITED TO 50%, IF SPEED SENSOR TAMPER DETECTED
S	DR PERFORMANCE PARAMETERS	WITHOUT DRIVER PERFORMANCE PARAMETERS
S	DRIVER ID FUNCTION	DRIVER ID FUNCTION, DISABLED
S	ENGINE OVERSPEED,ALL COND, LOG	ENGINE OVERSPEED, ALL CONDITIONS, TIME LOG IF ABOVE 2200 RPM
S	ENGINE OVERSPEED,FUELED, LOG	ENGINE OVERSPEED, FUELED, TIME LOG IF ABOVE 2100 RPM
S	VEHICLE OVERSPEED,ALL COND,LOG	VEHICLE OVERSPEED,ALL COND, TIME LOG IF ABOVE 75MPH (121KMH)
S	VEHICLE OVERSPEED, FUELED, LOG	VEHICLE OVERSPEED, FUELED, TIME LOG IF ABOVE 70MPH (113KMH)
S	ENGINE IDLE DELAY TO LOG	ENGINE IDLE DELAY TO START LOG, 2 MIN
S	PERIODIC TRIP LOG DAY OF MONTH	PERIODIC TRIP LOG, DAY 1 OF THE MONTH
S	PRE-TRIP DIAGNOSTIC INSPECTION	PRE-TRIP DIAGNOSTICS INSPECTION, BASIC

PTO ELECTRONICS		DESCRIPTION
S	PTO1 SINGLE SPEED CONTROL RPM.	PTO 1ST, SINGLE SPEED SETTING, 1000 RPM
S	PTO 1ST, MAX ROAD SPEED	1ST PTO, MAX ROAD SPEED, 10 MPH (16 KPH)
S	PTO 1ST, SPEED RAMP RATE	PTO 1ST, SPEED RAMP RATE 100 RPM/SEC
S	PTO 1ST, MAX ENGINE SPEED	PTO 1ST, MAX ENGINE SPEED, 2100 RPM
S	PTO 1ST, ROAD SPEED LIMIT	PTO 1ST, ROAD SPEED LIMIT, 97 KMH (60 MPH)
S	PTO 1ST, MINIMUM ENGINE SPEED	PTO 1ST, MINIMUM ENGINE SPEED, 600 RPM
S	PTO 2ND, SINGLE SPEED SETTING	PTO2 SINGLE SPEED SETTING, 1000 RPM
S	PTO 2ND, MAX ROAD SPEED	2ND PTO, MAX ROAD SPEED, 10 MPH (16 KPH)
S	PTO 2ND, SPEED RAMP RATE	PTO 2ND, SPEED RAMP RATE 100 RPM/SEC
S	PTO 2ND, MAX ENGINE SPEED	PTO 2ND, MAX ENGINE SPEED, 2100 RPM
S	PTO 2ND, ROAD SPEED LIMIT	PTO 2ND, ROAD SPEED LIMIT, 97 KMH (60 MPH)

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PTO ELECTRONICS		DESCRIPTION
S	PTO 2ND, MINIMUM ENGINE SPEED	PTO 2ND, MINIMUM ENGINE SPEED, 600 RPM

PAINT		DESCRIPTION
S		NO THIRD TRUCK COLOR PROVIDED; NO COLOR
S	PAINT DESIGN	SINGLE COLOR
S	PAINT TYPE	SOLID PAINT
	PAINT COLOR - FIRST COLOR	SHAMROCK GREEN; L6894
S	PAINT COLOR - SECOND COLOR	NO SECOND TRUCK COLOR PROVIDED; NO COLOR
S	PAINT - CAB PAINT SYSTEM	PAINT - CAB, URETHANE CLEAR COAT
S	CAB COLOR	SAME AS FIRST COLOR - CAB
S	HOOD COLOR	SAME AS FIRST COLOR - HOOD
	SUN VISOR COLOR	SAME AS FIRST COLOR - SUN VISOR
S	SLEEPER ROOF COLOR	WITHOUT SLEEPER ROOF COLOR
S	ROOF FAIRING COLOR	WITHOUT ROOF FAIRING
S	CHASSIS RUNNING GEAR	MACK BLACK (URETHANE)
S	BUMPER	PAINT BUMPER SAME COLOR AS CHASSIS RUNNING GEAR
S	FUEL TANK - ***NO INVENTED VARIANTS ALLOWED In the FUEL TANK PAINT FAMILY***	W/O OPTIONAL FUEL TANK PAINT
	FRONT WHEEL PAINT	PRE-FINISHED POWDER COAT WHITE
	DRIVE WHEEL PAINT	PRE-FINISHED POWDER COAT WHITE
S	PAINTED DISC WHEELS, FRONT	WITHOUT PAINT
S	PAINTED DISC WHEELS, REAR	WITHOUT PAINT
S	DEMOUNT.RIMS-FRONT	WITHOUT PAINT
S	DEMOUNT.RIMS-REAR	WITHOUT PAINT
S	SPOKE WHEELS-FRONT	WITHOUT OPTIONAL SPOKE WHEEL PAINT
S	SPOKE WHEELS-REAR	WITHOUT OPTIONAL SPOKE WHEEL PAINT
S	HUBS & DRUMS-FRONT	SAME AS CHASSIS RUNNING GEAR
S	HUBS & DRUMS-REAR	SAME AS CHASSIS RUNNING GEAR

CALCULATED CODES - KAX		DESCRIPTION
S	PROPCALC SELECTION	YES, THE ORDER MUST BE CALCULATED
	AUTO ROUTING & CLIPPING, CENTER	AUTOMATIC ROUTING & CLIPPING PLACEMENT, CENTER SECTION

BASE WARRANTY & PURCHASED COVERAGES		DESCRIPTION
		ALLISON TRANSMISSIONS (Contact Allison Transmission for standard warranty and extended coverage data)
S	VEHICLE WARRANTY TYPE	HEAVY DUTY WARRANTY CLASSIFICATION
S	BASIC CHASSIS COVERAGE	HEAVY DUTY STANDARD BASE COVERAGE 12 MONTHS/100,000 MILES (161,000 KM)
S	ENGINE WARRANTY	MACK MP7/MP8 BASE ENGINE COVERAGE 24 MONTHS / 250,000 MILES (402,000KM)
S	EMISSION COMPONENT COVERAGE	US and CANADA EQUIPPED VEHICLE EMISSION COMPONENTS COVERAGE 80 MONTHS/100,000 MILES (161,000 KM)
	CARRIER & AXLE HOUSING WARRANTY	STANDARD VENDOR NORMAL / HEAVY DUTY COVERAGE 36 MONTHS/350,000 (563,00 KM)
S	AIR CONDITIONING WARRANTY	AIR CONDITIONING STANDARD COVERAGE (Sealed System Only) 12 MONTHS UNLIMITED MILEAGE
S	CHASSIS TOWING WARRANTY	STANDARD NORMAL / HEAVY DUTY CHASSIS TOWING 90 DAYS OR 5,000 MILES
S	ENGINE TOWING WARRANTY	STANDARD MACK ENGINE TOWING COVERAGE 24 MONTHS/250,000 MILES (402,000 KM)

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MAACK. TECHNICAL SPECIFICATION (cont.)

BASE WARRANTY & PURCHASED COVERAGES		DESCRIPTION
S	GUARDDOG CONNECT BUNDLE	24 MONTH - GUARDDOG CONNECT WITH MACK OTA (with ASIST and Mack OneCall))
S	PREMIUM MAINTENANCE - CHASSIS LUBE AND INSPECTION	W/O PREMIUM MAINTENANCE - CHASSIS LUBE AND INSPECTION COVERAGE

Z - TO BE DISCONTINUED - GOING OBSOLETE		DESCRIPTION
S	KEYED ALIKE CHASSIS	ALL CHASSIS KEYED AT RANDOM

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Quality Installation is our Priority

40 Airport Road Hartford, CT 06110
Phone: 860-296-7000 Fax: 860-296-0373

City of Norwalk
Purchasing Dept
125 East Avenue
Norwalk, CT 06856

August 7, 2018

BID # 3783
Tenco 12M-SS Body Pkg

We are Pleased to Quote the Following :

Tenco 12M package designed to be installed on a minimum 36,000 GVW Six (6) Wheel Cab & Chassis with a 96 inch cab to axle measurement & Front Frame Extension, & Allison RDS 3500 minimum World transmission.

- Tenco TCB-10-T-AL-SS-LF All Season Body
- Body Shell Constructed of 304# 3/16" STAINLESS STEEL Steel
- Hardox 450 205,000 PSI Floor, Chain Cover
- 6.11 Cubic Yard Capacity level
- EXCLUSIVE "Honeycomb" understructure with 3" C-CHANNEL Crossmembers
- Three Section Bolt-on Pillow Block Floor Hinge with Central Lube Point
- Two (2) Rear Bearings Greasable outside of Body
- 4" Two Stage Telescopic Main Dump with Two Year Warranty
- 1/2 304# STAINLESS STEEL Cabshield fully Reinforced
- Stainless steel foldable ladder
- 304# STAINLESS STEEL Six Panel Air-Tailgate
- Bolt-on Asphalt Apron Painted Black
- Grease Actuators for Chain Tensioning
- Two (2) 3-1/2" X 22" Side Dump Cylinders 19 Ton Capacity
- Shovel Holder with Snap Pin
- Conspicuity & Safety Tape
- LED Spinner & Load Spot-Lights
- Full Length Flap to protect Brake Chambers with Stainless Steel Brackets
- Front & Rear Mud Flaps with Stainless Steel Brackets
- ES Tilt-over Hitch with extendable nose for "level-lift" with 30.5 " Ear Spacing, and 4" X 10" DA Lift ram.
- Henke Model 46R11IS-IC-SSTE Torsion Trip-edge Plow, Integral shield, Mailbox Cut-out, 10 Gauge Moldboard, Chain -lift, 3" X 10" Reversing Cylinders with Cushion Valve, 30.5" Ears, Parking Jack, Two (2) wrap-around Curb Shoes, and Rubber Flap
- HEATED LED Plow Lights mounted on Aluminum Brackets utilizing Chassis Plow Light Circuitry

- Transmission-driven Electric-operated PTO with Cirrus Model 420 80cc Variable Displacement Pump
- 37 Gallon Saddle-mount Hydraulic Reservoir w/ LOW OIL Shutdown
- 1/4 Ball Valve shut-offs; Suction Line Strainer
- Five (5) Bank Cirrus Load Sense Valve system
- Cirrus Uni-grip 620 Plow and Body Control
- In-cab Cirrus SpreadSmart Sander Control System
- 7" LCD Monitor
- Hammerhead Accessory Electrical Panel
- All Equipment Controls shall be mounted Arm-rest style
- Hydraulic Manifold & 1/2" Stainless Steel Piping throughout utilizing Short Lengths of Hose & Swivel Fittings
- Premium Electrical System consisting of the following: Sealed Lighting System, complete independent electrical circuitry utilizing a constant duty solenoid, buss bar, & circuit breakers mounted inside cab
- Varitech TG-100 ECL Pre-wet System operated via Cirrus SpreadSmart as specified
- 25 ton Pintle Hook Assembly as specified
- Stainless Steel Tool Box
- Whelen NBL-1 SUPER LED System as previously supplied
- **WHELEN SNOW AWAY SYSTEM for Rear Lights**
- ALCS Load Cover via central Hyds
- ICC Required Lighting
- Poly Fenders to protect Understructure
- Body understructure Primed & Painted two-part Rust-prohibitive Black
- Body Upper Natural Stainless Color
- Complete Package Installed & Operational on Cab & Chassis with 96" CA & Front Frame Extension

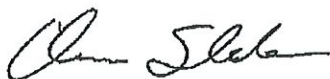
FOB: Hartford, CT..... \$ 107,542.00

DELIVERY: 90 DAYS AROC

OPTIONS:

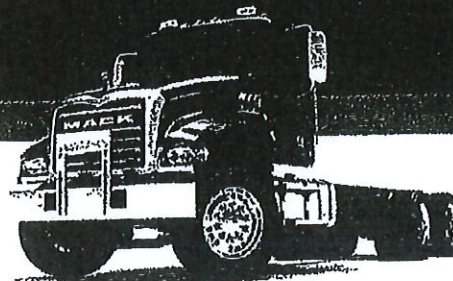
- | | |
|---|-----------|
| A. ROADWATCH RW-SS Non Contact temp System... | \$ 865.00 |
| B. STAINLESS STEEL UPRIGHT TANK..... | \$ 950.00 |

Respectfully Submitted,



Glenn Slade - Sales Consultant
Equipment Service

MACK



PRICING SUMMARY GRANITE 42FR

VEHICLE PRICE

BASE SELLING PRICE 2020 Model Year Mack Granite GR42FR

\$ 124,340.00

EXTERNAL LOCALS

Body Equipment Body Equipment being supplied by Equipment Service Ref# Bid 378
Radio

\$ 107,542.00

TAX EXEMPT ITEMS

Advertising

Class 8 prep

TAX SUMMARY

FRET (12%)

Exempt

Tire Tax Credit

\$ 231,864.00

CITY OF NORWALK

DATE

GABRIELLI TRUCK SALES OF CONNECTICUT,
LL

DATE

PRICELIST DATE
20171208

QUOTATION
GABR2018000176A463

DATE
8/14/2018

CUSTOMER NAME
CITY OF NORWALK

DEALER NAME
GABRIELLI TRUCK SALES OF
CONNECTICUT, LL



CITY OF NORWALK
Chris Torre
Superintendent of Operations
ctorre@norwalkct.org
P: 203-854-3203 / F: 203-854-3224
15 South Smith Street
Norwalk, CT 06855

To: City of Norwalk, Department of Public Works Committee

From: Chris Torre, Superintendent of Operations

CC: Anthony Carr, Chief of Operations and Public Works
Dilene Byrd, Administrative Services

Date: July 30, 2019

Re: **Authorize the Purchase of a 2020 Mack GU713 Rear Refuse Loader**

Resolution:

Authorize the Purchasing Agent to issue a purchase order to C.N Wood of Connecticut, LLC, for the purchase of one (1) 2020 Mack GU713 Rear Refuse Loader not to exceed \$237,611.00.

Account # 09-20-4031-5777-C0313



C.N. WOOD of CONNECTICUT, LLC

ENVIRONMENTAL MAINTENANCE EQUIPMENT

May 15, 2019

**City of Norwalk
DPW
15 South Smith Street
Norwalk, CT**

REFERENCE: SOURCEWELL Contract No. 112014-NWY "Refuse Trucks"

We are pleased to quote you on the following:

ONE – New NEW WAY "King Cobra" 32 Yard Capacity Heavy Duty Rear Load Refuse Body complete with a 3.55 cu. Yd. hopper, 10 ga. (80K psi) steel roof and sides, 7 ga. (80Kpsi) rear body panels, ¼" (50K psi) steel ejection panel, ¼" (100K psi) steel sweep panel, ¼" (HARDOX 450) steel floor, 7 ga. (50K psi) steel upper tailgate, ¼" (100K psi) steel lower tailgate, 7 ga. (100K psi) lower tailgate side liners, ¼" (100K psi) steel hopper floor back, 3/16" (100K psi) hopper floor liner and back, ¼" (100K psi) steel slide panel, 5.5" slide cylinders, 5" sweep cylinders, 3.5" tailgate cylinders, 7.5" four stage ejection cylinder, 80" wide hopper opening, semi-automatic cycling, auto back pack, accelerator kit, turn buckle tail gate locks, LED lights, bolt-on steps with coating, halogen mid body back up lights, two (2) inside hopper work lights, two (2) outside hopper work lights, two (2) LED round strobe lights (upper and lower tailgate), upper light bar with 7" stop/turn/tail lights (LED) with guard, rear mount safety camera with 7" flat screen and audio, inside full body weld, steel piping with nylon sleeves on hoses, roof guard for hoses/pipes, shovel/broom holder, 30" X 30" access door with step, safety shutdowns (R/L), safety buzzers (R/L), high hydraulic temp switch, low hydraulic oil shutdown switch, body undercoating (frame rails out), and balance complete as per standard specifications. Painted standard white. Three year warranty (complete body). Body shall be completely installed and operational.

CHASSIS: 2020 Mack GU713 Tandem Axle as per attached detailed specifications (local supplied-Gabrielli Truck Sales)

SOURCEWELL Contract Price Per Attached Price Schedule – New Way Body Module:.....\$ 104,115.00
(above price includes all freight, PDI, and training)

Local Supplied Chassis (Gabrielli Truck sales) – pass thru:.....\$ 133,496.00

Complete Delivered Price Per SOURCEWELL: F.O.B.: Norwalk, CT:.....\$ 237,611.00

Please contact us with any questions regarding this quote.

Sincerely,

Ron Cookish

Ron Cookish

Sales

Cell: (203) 823-3404

Mailing Address:

25 Bernhard Road ● North Haven, CT 06473

Office: (203) 848 – 6735 ● Fax: (203) 848 – 6734

PROFESSIONAL SERVICES TASK ORDER

Task Order Number 1A

July 23, 2019

Exhibit A: Scope of Work

DESCRIPTION OF WORK

The general intent of this Task Order is to conduct a Storm Drainage System Evaluation for the Dreamy Hollow Neighborhood. The purpose of the assessment is to develop a detailed hydrologic/hydraulic model for the City's drainage infrastructure to evaluate the flood risks to public infrastructure, private properties, and identify existing hydraulic deficiencies in the neighborhood. Based on the results of the modeling, an alternatives analysis will be performed to identify potential mitigation measures that may be considered to reduce the frequency, extents, and/or duration of flooding.

Subsequent project phases will include data collection, design, permitting, and preparation of bid documents required to implement the recommended improvements. These phases will be conducted under a separate Task Order or Task Order Amendment.

SCOPE OF WORK

W&C proposes to perform the Scope of Work for a lump sum fee of \$160,000 in accordance with final executed contract.

The scope of work includes the following major tasks:

- Task 1 – Professional Services Project Management
- Task 2 – Review of Existing Data
- Task 3 – Processing of Field Investigations and Survey
- Task 4 – Hydrologic and Hydraulic Analysis
- Task 5 – Alternatives Analysis
- Task 6 – Storm Drainage System Evaluation Report

Task 1 - Professional Services Project Management

Woodard and Curran (W&C) will conduct the project management activities required to manage technical, financial, and schedule aspects of the Task Order necessary to complete the work on time, within budget and of suitable quality. Activities include coordinating and facilitating team and client meetings, coordinating quality assurance, coordinating subcontractors, monitoring the progress of the work, and assembling project deliverables.

Task 2 - Review of Existing Data

W&C will review readily available information regarding the watershed and existing storm drainage infrastructure. This information shall be provided by the City and it is anticipated to include:

- Previous drainage studies and modeling.
- City's GIS database and infrastructure plans.
- City's call service center records.
- Watershed mapping.
- CCTV data that has been gathered.
- Existing surveys/plans on file from development projects in the watershed.
- Flood event/history.

Meetings & Publish Workshop

W&C will supplement the data collection efforts for up to 2-days of site visits to flood-prone areas as identified by the City. The purpose of the visit and staff interviews will be to obtain first-hand information and data necessary to complete subsequent tasks. The site visits shall be conducted with DPW staff familiar with the area's infrastructure and flood related concerns.

W&C will conduct a public workshop based on the data gathering task and information learned from the stakeholder discussions. The goal will be to share and verify what we have learned and solicit additional input from the public regarding frequency, duration and extents of flooding that has been experienced within the study areas.

Deliverable

Summary of data gathered to be used for the purposes of this project.

Task 3 - Processing of Field Investigations and Survey

W&C will conduct a data gap analysis (based on existing available information provided by the City) to determine what, if any, additional data collection and/or field investigations will be required to conduct the hydrologic and hydraulic modeling tasks. This proposal relies on City in-house personnel to complete any required field data collection efforts.

We anticipate proposed field investigations may include:

- Topographic mapping & utility location.
- Pipe conditions assessments.
- Drainage structure inspections to define pipe connectivity, diameter/size, material, and depth to catch basin and manholes. For this study it is assumed that measure down depths to invert is suitable for analysis.
- Coordination with City's GIS Department.
- Brook/stream conditions assessments.

Upon completion of field investigation data collection by the City, W&C will work with data in its collected format to develop model and back populate the City's GIS data layers. W&C will deliver data back to the City in their provided file geodatabase format for integration into their ESRI ArcSDE system.

Meeting

W&C will prepare for and attend one meeting with City staff to discuss the data gaps and any proposed field investigations.

Deliverables

- Gap Analysis Results and recommendation for field investigation memorandum.
- Updated GIS Data layers.

Task 4 – Hydrologic and Hydraulic Analysis

W&C will prepare a hydrologic and hydraulic model to evaluate the performance of the City's existing storm drain infrastructure and establish the magnitude, extents, and frequency of flooding with-in the neighborhood. The study extent will include Dreamy Hollow, Friendly Pond, and the accumulative drainage area. Study extents are shown in figure below.

The work under this task will include:

- Establishing the storm-events to be evaluated (i.e. storm return frequency, intensity, and duration, assume 4 to be analyzed).
- Determine the appropriate modeling platform (software) given the scale and complexity of the watershed and City's storm drainage infrastructure as well as City's preferences of long-term goals.
- Incorporate findings from Tasks 2 and 3.
- Develop hydrologic input parameters utilizing the information obtained in subsequent tasks such as:
 - Watershed boundaries
 - Land use
 - Topography
 - Land roughness coefficients
 - Storage areas
- Perform hydrologic simulations for the selected storm events to determine peak discharge rates and volume of runoff.
- Build a pipe hydraulics model using pipe sections and nodes from GIS database and supplemented with field data from Task 3.
- Estimate head loss and flow capacity for the pipe network.
- Determine pipe capacity and flood potential.
- Calibrate the model to the extent practical, to recently observed flood events from stakeholders' input.
- Delineate predicted flood elevations and boundaries within the Focus Area.

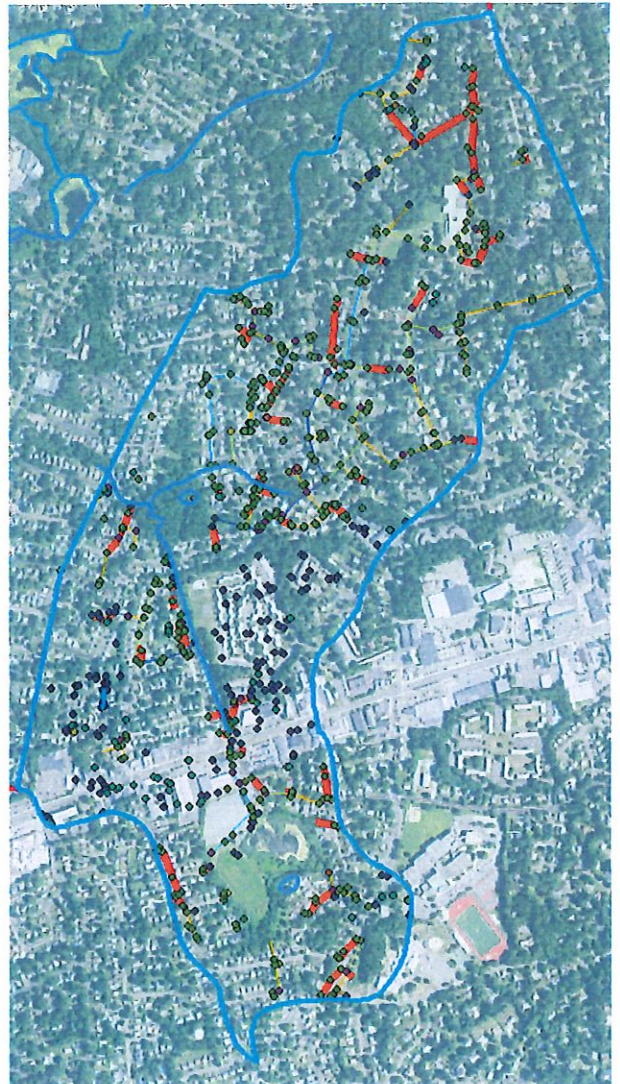


Figure 1: Study Area Boundary with City Storm System

W&C's basis for our anticipated level of effort is a 0.6 sq. mi. of watershed, 7.8 miles storm drain piping, and 6 culvert/bridges and the need to extend modeling downstream until a good tail water is achieved. W&C will not model storm drains less than 12 inches in diameter. Modeling efforts will be documented in an engineering memo that will inform City staff about the methodology, storm events, and modeling parameters for the hydrologic and hydraulic analysis.

Deliverables

- Engineering memo documenting methodology used and results of the hydrologic and hydraulic analysis.
- Meeting minutes.

Task 5 – Alternatives Analysis

W&C will perform an Alternatives Analysis to determine what mitigation measures may reduce the frequency, extent, and duration of flooding in the study area. The analysis will evaluate up to three (3) mitigation options. Depending on the findings of the hydrologic and hydraulic analysis, alternatives may consist of one or a combination of the following measures:

- a. Elevating structures and infrastructure.
- b. Structure buy-outs.
- c. Implementing measures to reduce the peak rates of runoff (impervious surface reduction, installation of above/below grade detention and infiltration systems, green-infrastructure techniques, etc.).
- d. Increasing the size of existing storm drainage infrastructure.
- e. Increasing inlet capture efficiencies.
- f. Repair of existing storm drainage infrastructure.
- g. Flood-proofing structures or areas (flood walls, levees, berms, etc.).
- h. Stormwater flow diversions to other drainage systems.

The analysis will assess the performance of the three alternatives for each of the storm events established in Task 4. Mitigation alternatives will be documented in an engineering memo that will inform City staff about the methodology, storm events, and modeling parameters for the analysis and hydraulic results.

Deliverables

- Engineering memo documenting methodology used and results of the alternatives analysis.
- Meeting minutes.

Task 6 – Storm Drainage System Evaluation Report

W&C will prepare a Storm Drainage System Evaluation Report for the Dreamy Hollow neighborhood. The reports will include the following:

- Summary of the existing conditions, historic build-out of the watershed, and flooding experienced.
- Discussion of the alternatives analysis and results including a conceptual plan outlining the general nature and extent of the proposed work, including general manner of handling stormwater runoff, modification of existing storm drainage systems, and general location and sizing of proposed stormwater improvements.
- Recommended course of action(s).

- Tables, graphs, plans, profiles, and cross sections, which will depict the effectiveness of the recommendations.
- Preliminary budgetary-level cost estimates for the identified flood mitigation measures, which will include:
 - A concept level Engineer's Opinion of Probable Construction Cost.
 - Soft costs, such as:
 - Design/engineering.
 - Regulatory permitting and planning.
 - Contractor procurement.
 - Construction administration and observation.
- Outline of regulatory permitting requirements anticipated for implementation.
- Identification of potential right-of-way and ownership issues.
- Preliminary schedules, in duration format, including anticipated studies, surveys, etc. needed to advance the recommended alternative.
- A Grant Opportunity Strategy Plan which will include a summary of grant funding opportunities. We will work with City staff to discuss each grant funding program and clarify any that would make sense to target for a future application based on the interest and availability of matching funds from the City.

The report and its findings will be used to facilitate future decision making and will ultimately serve as the basis for future design efforts.

Meetings

- W&C will prepare for and attend a Public Works Committee of the Common Council to provide results and recommendations of this study.
- W&C will prepare for and attend a public hearing to provide results and recommendations of this study. W&C assumes the City will provide the location of the hearing and provide appropriate public notification and advertisement.

Deliverable

W&C will provide one draft of the Storm Drainage System Evaluation Report for review and comment by the City DPW. W&C will address DPW's comments and issue a final report in both hard and electronic format.

Compensation & Schedule

W&C proposes to perform the Scope of Work for a lump sum fee of \$160,000 in accordance with final executed contract. Monthly invoices will be submitted to the City.

Project Schedule

Woodard and Curran will complete the scope of work before December 1st, 2019, with a goal of presenting finding at the November 2019, Public Works Committee Meeting.

PROFESSIONAL SERVICES TASK ORDER

Task Order Number 1B

July 25, 2019

Exhibit A: Scope of Work

DESCRIPTION OF WORK

The general intent of this Task Order is to conduct a Storm Drainage System Evaluation for the New Canaan Ave. and Ponus Ave. drainage running from the headwaters near Charles Marshal Dr. to the confluence with the Norwalk River. The purpose of the assessment is to develop a detailed hydrologic and hydraulic model for the City's drainage infrastructure to evaluate the flood risks to public infrastructure, private properties, and identify existing hydraulic deficiencies in the neighborhood. Based on the results of the modeling, an alternatives analysis will be performed to identify potential mitigation measures that may be considered to reduce the frequency, extents, and/or duration of flooding.

Subsequent project phases will include data collection, design, permitting, and preparation of bid documents required to implement the recommended improvements. These phases will be conducted under a separate Task Order or Task Order Amendment.

SCOPE OF WORK

W&C proposes to perform the Scope of Work for a lump sum fee of \$172,000 in accordance with final executed contract.

The scope of work includes the following major tasks:

- Task 1 – Professional Services Project Management
- Task 2 – Review of Existing Data
- Task 3 – Processing of Field Investigations and Survey
- Task 4 – Hydrologic and Hydraulic Analysis
- Task 5 – Alternatives Analysis
- Task 6 – Storm Drainage System Evaluation Report

Task 1 - Professional Services Project Management

Woodard and Curran (W&C) will conduct the project management activities required to manage technical, financial, and schedule aspects of the Task Order necessary to complete the work on time, within budget and of suitable quality. Activities include coordinating and facilitating team and client meetings, coordinating quality assurance, coordinating subcontractors, monitoring the progress of the work, and assembling project deliverables.

Task 2 - Review of Existing Data

W&C will review readily available information regarding the watershed and existing storm drainage infrastructure. This information shall be provided by the City and it is anticipated to include:

- Previous drainage studies and modeling.
- City's GIS database and infrastructure plans.
- City's call service center records.
- Watershed mapping.
- CCTV data that has been gathered.
- Existing surveys/plans on file from development projects in the watershed.
- Flood event/history.

Meetings & Public Workshop

W&C will supplement the data collection efforts with a day to interview DPW staff and another day of site visits to flood-prone areas as identified by the City. The purpose of the visit and staff interviews will be to obtain first-hand information and data necessary to complete subsequent tasks. The site visits shall be conducted with DPW staff familiar with the area's infrastructure and flood related concerns.

W&C will conduct a public workshop based on the data gathering task and information learned from the stakeholder discussions. The goal will be to share and verify what we have learned and solicit additional input from the public regarding frequency, duration and extents of flooding that has been experienced within the study areas.

Deliverable

Summary of data gathered to be used for the purposes of this project.

Task 3 - Processing of Field Investigations and Survey

W&C will conduct a data gap analysis (based on existing available information provided by the City) to determine what, if any, additional data collection and/or field investigations will be required to conduct the hydrologic and hydraulic modeling tasks. This proposal relies on City in-house personnel to complete any required field data collection efforts.

We anticipate proposed field investigations may include:

- Topographic mapping & utility location.
- Pipe conditions assessments.
- Drainage structure inspections to define pipe connectivity, diameter/size, material, and depth to catch basin and manholes. For this study it is assumed that measure down depths to invert is suitable for analysis.
- Coordination with City's GIS Department.
- Brook/stream conditions assessments.

Upon completion of field investigation data collection by the City, W&C will work with data in its collected format to develop the model and back populate the City's GIS data layers. W&C will deliver data back to the City in their provided file geodatabase format for integration into their ESRI ArcSDE system.

Meeting

W&C will prepare for and attend one meeting with City staff to discuss the data gaps and any proposed field investigations.

Deliverables

- Gap Analysis Results and recommendation for field investigation memorandum.
- Updated GIS Data layers.

Task 4 – Hydrologic and Hydraulic Analysis

W&C will prepare a hydrologic and hydraulic model to evaluate the performance of the City's existing storm drain infrastructure and establish the magnitude, extents, and frequency of flooding with-in the neighborhood. The study extent will include Dreamy Hollow, Friendly Pond, and the accumulative drainage area. Study extents are shown in figure below.

The work under this task will include:

- Establishing the storm-events to be evaluated (i.e. storm return frequency, intensity, and duration, assume 4 to be analyzed).
- Determine the appropriate modeling platform (software) given the scale and complexity of the watershed and City's storm drainage infrastructure as well as City's preferences of long-term goals.
- Incorporate findings from Tasks 2 and 3.
- Develop hydrologic input parameters utilizing the information obtained in subsequent tasks such as:
 - Watershed boundaries
 - Land use
 - Topography
 - Land roughness coefficients
 - Storage areas
- Perform hydrologic simulations for the selected storm events to determine peak discharge rates and volume of runoff.
- Build a pipe hydraulics model using pipe sections and nodes from GIS database and supplemented with field data from Task 3.

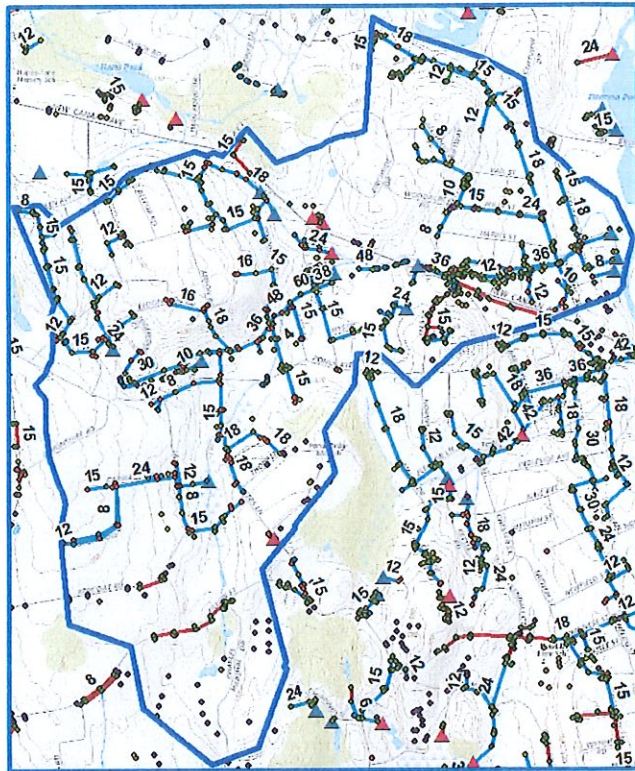


Figure 1: Study Area Boundary with City Storm System

- Estimate head loss and flow capacity for the pipe network.
- Determine pipe capacity and flood potential.
- Calibrate the model to the extent practical, to recently observed flood events from stakeholders' input.
- Delineate predicted flood elevations and boundaries within the Focus Area.

W&C's basis for our anticipated level of effort is a 0.73 sq. mi. of watershed, 7.3 miles storm drain piping, and 12 culvert/bridges and the need to extend modeling downstream until a good tail water is achieved. W&C will not model storm drains less than 12 inches in diameter. Modeling efforts will be documented in an engineering memo that will inform City staff about the methodology, storm events, and modeling parameters for the hydrologic and hydraulic analysis.

Deliverables

- Engineering memo documenting methodology used and results of the hydrologic and hydraulic analysis.

Task 5 – Alternatives Analysis

W&C will perform an Alternatives Analysis to determine what mitigation measures may reduce the frequency, extent, and duration of flooding in the study area. The analysis will evaluate up to three (3) mitigation options. Depending on the findings of the hydrologic and hydraulic analysis, alternatives may consist of one or a combination of the following measures:

- Elevating structures and infrastructure.
- Structure buy-outs.
- Implementing measures to reduce the peak rates of runoff (impervious surface reduction, installation of above/below grade detention and infiltration systems, green-infrastructure techniques, etc.).
- Increasing the size of existing storm drainage infrastructure.
- Increasing inlet capture efficiencies.
- Repair of existing storm drainage infrastructure.
- Flood-proofing structures or areas (flood walls, levees, berms, etc.).
- Stormwater flow diversions to other drainage systems.

The analysis will assess the performance of the three alternatives for each of the storm events established in Task 4. Mitigation alternatives will be documented in an engineering memo that will inform City staff about the methodology, storm events, and modeling parameters for the analysis and hydraulic results.

Deliverables

- Engineering memo documenting methodology used and results of the alternatives analysis.

Task 6 – Storm Drainage System Evaluation Report

W&C will prepare a Storm Drainage System Evaluation Report for the Dreamy Hollow neighborhood. The report will include the following:

- Summary of the existing conditions, historic build-out of the watershed, and flooding experienced.
- Discussion of the alternatives analysis and results including a conceptual plan outlining the general nature and extent of the proposed work, including general manner of handling stormwater runoff, modification of existing storm drainage systems, and general location and sizing of proposed stormwater improvements.
- Recommended course of action(s).
- Tables, graphs, plans, profiles, and cross sections, which will depict the effectiveness of the recommendations.
- Preliminary budgetary-level cost estimates for the identified flood mitigation measures, which will include:
 - A concept level Engineer's Opinion of Probable Construction Cost.
 - Soft costs, such as:
 - Design/engineering.
 - Regulatory permitting and planning.
 - Contractor procurement.
 - Construction administration and observation.
- Outline of regulatory permitting requirements anticipated for implementation.
- Identification of potential right-of-way and ownership issues.
- Preliminary schedules, in duration format, including anticipated studies, surveys, etc. needed to advance the recommended alternative.
- A Grant Opportunity Strategy Plan which will include a summary of grant funding opportunities. We will work with City staff to discuss each grant funding program and clarify any that would make sense to target for a future application based on the interest and availability of matching funds from the City.

The report and its findings will be used to facilitate future decision making and will ultimately serve as the basis for future design efforts.

Meetings

- W&C will prepare for and attend a Public Works Committee of the Common Council to provide results and recommendations of this study.
- W&C will prepare for and attend a public hearing to provide results and recommendations of this study. W&C assumes the City will provide the location of the hearing and provide appropriate public notification and advertisement.

Deliverable

W&C will provide one draft of the Storm Drainage System Evaluation Report for review and comment by the City DPW. W&C will address DPW's comments and issue a final report in both hard and electronic format.

Compensation & Schedule

W&C proposes to perform the Scope of Work for a lump sum fee of \$172,000 in accordance with final executed contract. Monthly invoices will be submitted to the City.

Project Schedule

Woodard and Curran will complete the scope of work before December 1st, 2019, with a goal of presenting finding at the November 2019, Public Works Committee Meeting.

PROFESSIONAL SERVICES TASK ORDER

Task Order Number 1C

August 2, 2019

Exhibit A: Scope of Work

DESCRIPTION OF WORK

The general intent of this Task Order is to provide general engineering services related to storm drainage system evaluations, specifically where chronic drainage problems have been identified by the City.

Storm Drainage System Evaluations for specific locations within the City will be conducted under separate Task Orders.

SCOPE OF WORK:

The Scope of Work for Task Order 1C includes the following tasks:

- **Task 1 – Risk and Vulnerability Analysis**
- **Task 2 – Engineering “In-house” Assistance**

Task 1 - Risk and Vulnerability Analysis

W&C will conduct a risk/vulnerability assessment. The purpose of the assessment will be to understand the historic damages that have been observed/experienced in problem areas and identify the impact to public and private facilities. W&C in collaboration with the City, will use this data to develop a weighting system used to rank and schedule subsequent Task Orders.

W&C will conduct the following specific activities in this Task.

- Review the Public Works call center database to understand the nature, location and extents of flood-related assistance/notifications.
- W&C will collect and review readily available information regarding the watershed and existing storm drainage infrastructure. This information is anticipated to include previous drainage studies, the City's GIS database and infrastructure plans, watershed mapping, and flood event/history.
- Develop a list of flood-prone areas (Focus Areas) within the City to be assessed.
- Review the feedback and information obtained during the public workshops and interviews conducted in other Task Orders, as applicable.
- Develop a Vulnerability/Risk Matrix, utilizing the information from past studies, interviews, workshops and readily available existing information (i.e. City's GIS database, FEMA FIRMs, topographic data and City infrastructure plans). The matrix will be used to best represent, capture, and identify the suspected causes and impacts of flooding in the Focus Areas and corresponding proposed priority rankings. This effort may include re-evaluating and revising the color-coded list of proposed improvements & problem areas previously identified and compiled by the City.

Task 1 Deliverables:

- Vulnerability/Risk Matrix.
- Digital Map of flood prone areas shared with the City using ESRI Online.

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Task 2 - Engineering "In-house" Assistance

W&C, in collaboration with the City's DPW, will identify projects requiring engineering design and consultation services. The work under this Task is intended to assist the City with the implementation of smaller scale drainage improvement projects that are not identified as separate and larger scale watershed scale focused Task Orders. Activities under this task are anticipated to include:

- Site visits and field investigations
- Design computations
- Preparation of design plans, details and specifications

Compensation & Schedule

W&C proposes to perform Task 1 for a lump sum fee of \$13,000.

Given the specific project(s) and the corresponding project scale is not known at this time for Task 2, W&C proposes an initial allocation of \$5,000 for Task 2. Work under this task will be performed only as directed by the City.

In summary, W&C proposes to perform Task Order 1C for a total lump sum fee of \$18,000 in accordance with the final executed contract. Monthly invoices will be submitted to the City.

This Task Order includes project management activities required to manage technical, financial and schedule aspects of the Task Order necessary to complete the work on time, within budget and of suitable quality. Activities include coordinating and facilitating team and client meetings, coordinating quality assurance, monitoring the progress of the work and assembling project deliverables.

Project Schedule

Woodard and Curran will complete the scope of work before December 1st, 2019, with the goal of presenting findings at the November 2019, Public Works Committee Meeting.



TO: Public Work Committee

FROM: Connie Blair, Customer Service Manager

SUBJECT: Customer Service Calls and Requests May 1st – 29th, 2019

DATE: May 30, 2019

The Customer Service Center received 1154 service calls with 813 requests for service related to Public Works. Listed are amounts of requests received in each Public Works category, what number of service requests remain in progress, and the number of requests completed.

Category:	In Progress	Completed	Total
<i>Drainage</i> Catch basin cleaning, and repair, culvert maintenance	12	10	32
<i>Engineering</i> Contractor trench, permit Inspections, paving	29	29	58
<i>Landscaping</i> Tree inspection and removal, tree pruning and cutbacks	18	56	74
<i>Snow</i> Plow, salt/sand	13	16	29
<i>Road</i> Potholes, curbing, and sidewalk	32	65	97
<i>Solid Waste</i> Recycling, and garbage	7	330	337
<i>Bulk Waste Billing/Acct.</i>	57 sch. for June	69	126
<i>Traffic</i>	5	21	26
<i>TMP</i> Signals, parking, new signage	15	3	18
<i>Ordinance Enforcement</i>	14	2	16
		Public Works Total Request	813



TO: Public Work Committee

FROM: Connie Blair, Customer Service Manager

SUBJECT: Customer Service Calls and Requests June 1st – July 31st, 2019

DATE: August 1, 2019

The Customer Service Center received 2387 service calls with 1572 requests for service related to Public Works. Listed are amounts of requests received in each Public Works category, what number of service requests remain in progress, and the number of requests completed.

Category:	In Progress	Completed	Total
<i>Drainage</i> Catch basin cleaning, and repair, culvert maintenance	82	63	145
<i>Engineering</i> Contractor trench, permit Inspections, paving	73	24	97
<i>Landscaping</i> Tree inspection and removal, tree pruning and cutbacks	287	69	356
<i>Snow</i> Plow, salt/sand	9	3	12
<i>Road</i> Potholes, curbing, and sidewalk	190	44	234
<i>Solid Waste</i> Recycling, and garbage	395	5	400
<i>Bulk Waste Billing/Acct.</i>	50 sch. for Aug.	221	271
<i>DPW Traffic</i>	12	44	57
		Public Works Total Request	1572



To: Anthony R. Carr, Chief of Operations and Public Works
 Chris Torre, Superintendent of Operations
 Lisa Burns, Principal Engineer
 Dilene Byrd, Administrative Assistant

From: Jessica C. Paladino, Waste Programs Manager

Date: May 28, 2019

Re: MSW and Recycling Report - April 2019

MSW Collection and Disposal				
Municipal Solid Waste (MSW)	Previous FY: Apr-18	Current FY: Apr-19	Change	FY 18/19 Cumulative
Curbside tonnage	1,225.48	1,264.63	3.2%	12,784.76
MSW tonnage out	1,789.98	1,935.84	8.1%	19,406.96
Transfer station operating fee	\$66,875.00	\$68,291.67	2.1%	\$682,916.70
Transport and disposal fee	\$157,518.24	\$172,289.76	9.4%	\$1,727,219.44
Curbside collection fee	\$92,754.75	\$95,537.42	3.0%	\$955,374.20
Total operating costs (less curbside)	\$224,393.24	\$240,581.43	7.2%	\$2,410,136.14

MSW Consolidated Budget	
FY 18/19 Budget	\$4,045,199.00
Amount expended	\$3,365,510.33
Percent remaining	16.8%

Recycling Collection				
Recycling Collection	Previous FY: Apr-18	Current FY: Apr-19	Change	FY 18/19 Cumulative
Curbside tonnage	687.57	727.72	5.8%	7,276.44
Transfer station tonnage	32.14	32.01	-0.4%	378.66
Total monthly tonnage	719.71	759.73	5.6%	7,655.10
Curbside collection fee	\$90,040.75	\$92,741.92	3.0%	\$927,419.20

Recycling Budget	
FY 18/19 Budget	\$1,112,903.00
Amount expended	\$927,419.20
Percent Remaining	16.7%

MSW and Recycling Revenues				
MSW and Recycling Revenues	Previous FY: Apr-18	Current FY: Apr-19	Change	FY 18/19 Cumulative
Transfer station tip fees	\$36,827.55	\$44,247.95	20.1%	\$401,947.45
Recycling revenue (curbside)	\$12,032.48	\$12,735.10	5.8%	\$127,337.70
Recycling revenue (T.S.)	\$562.45	\$560.18	-0.4%	\$6,626.55
Total revenues	\$49,422.48	\$57,543.23	16.4%	\$535,911.70

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To: Anthony R. Carr, Chief of Operations and Public Works
 Chris Torre, Superintendent of Operations
 Lisa Burns, Principal Engineer
 Dilene Byrd, Administrative Assistant

From: Jessica C. Paladino, Waste Programs Manager

Date: June 21, 2019

Re: MSW and Recycling Report - May 2019

MSW Collection and Disposal				
Municipal Solid Waste (MSW)	Previous FY: May-18	Current FY: May-19	Change	FY 18/19 Cumulative
Curbside tonnage	1,382.49	1,328.77	-3.9%	14,113.53
MSW tonnage out	2,051.18	2,117.39	3.2%	21,524.35
Transfer station operating fee	\$66,875.00	\$68,291.67	2.1%	\$751,208.37
Transport and disposal fee	\$180,503.84	\$188,447.71	4.4%	\$1,915,667.15
Curbside collection fee	\$92,754.75	\$95,537.42	3.0%	\$1,050,911.62
Total operating costs (less curbside)	\$247,378.84	\$256,739.38	3.8%	\$2,666,875.52

MSW Consolidated Budget	
FY 18/19 Budget	\$4,045,199.00
Amount expended	\$3,717,787.13
Percent remaining	8.1%

Recycling Collection				
Recycling Collection	Previous FY: May-18	Current FY: May-19	Change	FY 18/19 Cumulative
Curbside tonnage	757.92	781.31	3.1%	8,057.75
Transfer station tonnage	41.8	46.59	11.5%	425.25
Total monthly tonnage	799.72	827.90	3.5%	8,483.00
Curbside collection fee	\$90,040.75	\$92,741.92	3.0%	\$1,020,161.12

Recycling Budget	
FY 18/19 Budget	\$1,112,903.00
Amount expended	\$1,020,161.12
Percent Remaining	8.3%

MSW and Recycling Revenues				
MSW and Recycling Revenues	Previous FY: May-18	Current FY: May-19	Change	FY 18/19 Cumulative
Transfer station tip fees	\$41,628.92	\$47,073.25	13.1%	\$449,020.70
Recycling revenue (curbside)	\$13,263.60	\$13,672.93	3.1%	\$141,010.63
Recycling revenue (T.S.)	\$731.50	\$815.33	11.5%	\$7,441.88
Total revenues	\$55,624.02	\$61,561.50	10.7%	\$597,473.20



To: Anthony R. Carr, Chief of Operations and Public Works
 Chris Torre, Superintendent of Operations
 Lisa Burns, Principal Engineer
 Dilene Byrd, Administrative Assistant

From: Jessica C. Paladino, Waste Programs Manager

Date: July 8, 2019

Re: MSW and Recycling Report - June 2019

MSW Collection and Disposal				
Municipal Solid Waste (MSW)	Previous FY: Jun-18	Current FY: Jun-19	Change	FY 18/19 Cumulative
Curbside tonnage	1,284.58	1,206.80	-6.1%	15,320.33
MSW tonnage out	2,064.65	2,164.63	4.8%	23,688.98
Transfer station operating fee	\$66,875.00	\$68,291.67	2.1%	\$819,500.04
Transport and disposal fee	\$181,689.20	\$192,652.07	6.0%	\$2,108,319.22
Curbside collection fee	\$92,754.75	\$95,537.42	3.0%	\$1,146,449.04
Total operating costs (less curbside)	\$248,564.20	\$260,943.74	5.0%	\$2,927,819.26

MSW Consolidated Budget	
FY 18/19 Budget	\$4,045,199.00
Amount expended	\$4,074,268.29
Percent remaining	-0.7%

Recycling Collection				
Recycling Collection	Previous FY: Jun-18	Current FY: Jun-19	Change	FY 18/19 Cumulative
Curbside tonnage	761.04	712.55	-6.4%	8,770.30
Transfer station tonnage	49.34	35.38	-28.3%	460.63
Total monthly tonnage	810.38	747.93	-7.7%	9,230.93
Curbside collection fee	\$90,040.75	\$92,741.92	3.0%	\$1,112,903.04

Recycling Budget	
FY 18/19 Budget	\$1,112,903.00
Amount expended	\$1,112,903.04
Percent Remaining	0.0%

MSW and Recycling Revenues				
MSW and Recycling Revenues	Previous FY: Jun-18	Current FY: Jun-19	Change	FY 18/19 Cumulative
Transfer station tip fees	\$42,006.20	\$47,374.35	12.8%	\$496,395.05
Recycling revenue (curbside)	\$13,318.20	\$12,469.63	-6.4%	\$153,480.25
Recycling revenue (T.S.)	\$863.45	\$619.15	-28.3%	\$8,061.03
Total revenues	\$56,187.85	\$60,463.13	7.6%	\$657,936.33



To: Anthony R. Carr, Chief of Operations & Public Works
Chris Torre, Superintendent of Operations
Dilene Byrd, Administrative Assistant

From: Jessica C. Paladino, Waste Programs Manager

Date: July 24, 2019

Re: 2019 Bulky Collection Report

Calendar Year 2019

Month	Number of Collections	Bulky Weight (Tons)	Metal Weight (Tons)	Plastic Weight (Tons)	NOTES
January	70	7.18	1.08	0.21	
February	83	6.76	0.80	0.20	
March	63	6.26	0.87	0.28	
April	110	10.13	1.28	0.64	
May	117	11.11	1.87	0.29	
June	160	14.76	3.75	0.86	
July	112	11.82	1.55	0.45	
August	0	0.00	0.00	0.00	
September	0	0.00	0.00	0.00	
October	0	0.00	0.00	0.00	
November	0	0.00	0.00	0.00	
December	0	0.00	0.00	0.00	

Year to Date	715	68.02	11.20	2.93
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CITY OF NORWALK
Jessica C. Paladino
Waste Programs Manager
jpaladino@norwalkct.org
P: 203-854-3215 / F: 203-854-3224
15 South Smith Street
Norwalk, CT 06855

July 31, 2019

Ms. Paula Guerrero
Bureau of Materials Management & Compliance Assurance
Recycling Office
Department of Energy & Environmental Protection
79 Elm Street, 4th Floor
Hartford, CT 06106-5127

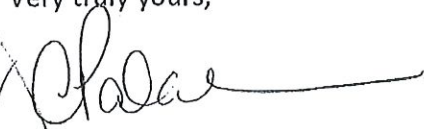
Subject: City of Norwalk
Quarterly Report – 2nd Quarter 2019

Dear Ms. Guerrero:

Enclosed please find the quarterly report for the Second Quarter 2019 (April, May, and June) for the City of Norwalk Transfer Station at 61 Crescent Street, Norwalk CT.

If you should have any questions or require additional information, please feel free to contact me at 203-854-3215.

Very truly yours,



Jessica C. Paladino
Waste Programs Manager

cc: DPW File

MUNICIPAL TRANSFER STATION (TS) QUARTERLY REPORT FORM (9/23/2016 version)

(For **Municipal** Transfer Stations (1) Receiving Solid Waste and/or Recyclables from One Municipality **or** (2) Receiving Solid Waste & Recyclables from Fewer than Four Municipalities with No Scale to Separately Track Amounts Received from Each Municipality)

REPORTING FACILITY	Facility Name: City of Norwalk Transfer Station
	Facility Location - Street: 61 Crescent St.
	Town: Norwalk State: CT Zipcode: 06850 Phone: 203-854-3200

REPORTING QUARTER YEAR: 2019 QUARTER: ☐ 1ST-Jan-Mar; ☒ 2nd Apr-Jun; ☐ 3rd Jul-Sep; ☐ 4th Oct-Dec

Are loads of waste and/or recyclables weighed at the transfer station when received? ☒ Yes ☐ No

(1) If no, please describe method for estimating tonnage reported received:

(2) If yes, and this transfer station receives waste and/or recyclables from more than one municipality, are the weights from each municipality weighed and tracked separately when received at the transfer station? ☐ Yes ☒ No
If the answer to (2) is yes; please contact [Judy Belaval](#) at DEEP (860) 424-3237 to request a multi-town TS quarterly reporting form.

PART 1: QUANTITIES (TONS) OF SOLID WASTE & RECYCLABLES RECEIVED

CT CITY(ies) OR CT TOWN(s) of ORIGIN	City of Norwalk
---	-----------------

Does the MSW tonnage include non-residential waste? ☒ Yes ☐ No;

If Yes – what is your ballpark estimate % of MSW that is non-residential? 25%

TYPE of SOLID WASTE or RECYCLABLE RECEIVED	TONS RCVD this QTR
MSW ¹	6,217.86 Tons
OVERSIZED MSW (e.g. furniture, carpets, etc)	
CONSTRUCTION & DEMOLITION (C&D) WASTE (e.g. dry wall, brick, concrete, lumber, etc.)	
MIX – OVERSIZED MSW/C&D WASTE	
LANDCLEARING DEBRIS (LOGS/STUMPS)	373.61 Tons
SPECIAL ²	
RECYCLABLES – Type: Single Stream Recycling ☒ Res or ☒ NonRes	2,335.56 Tons
RECYCLABLES – Type: Scrap Metal ☒ Res or ☒ NonRes	180.05 Tons
RECYCLABLES – Type: Electronics ☒ Res or ☒ NonRes	37.17 Tons
RECYCLABLES – Type: Tires ☒ Res or ☒ NonRes	6.56 Tons
RECYCLABLES – Type: ☐ Res or ☐ NonRes	

¹ MSW is solid waste from residential, commercial and industrial sources; excluding hazardous, bulky, biomedical, sludge, or scrap metal waste.

² SPECIAL WASTE is any waste other than hazardous or biomedical which requires special handling for safe disposal

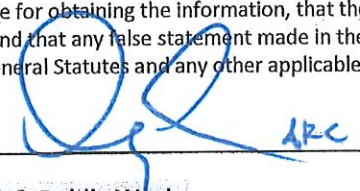
PART 2: QUANTITIES (TONS) of SOLID WASTE and RECYCLABLES TRANSFERRED

TYPE of WASTE or RECYCLABLE TRANSFERRED	DESTINATION Name/Location Of Disposal Facility Receiving Waste Or Recycling Facility Receiving Recyclables	TONNAGE TRANSFERRED OUT THIS QUARTER
MSW	Bridgeport RESCO 6 Howard Avenue, Bridgeport CT	6,217.86 Tons
C&D Waste		
Oversized MSW		
MIX C&D Waste & Oversized MSW		
OTHER – Type: Landclearing (Logs/ Stumps/ Woodchips)	DW Transport & Leasing 140 Route 32 North Franklin, CT	383.61 Tons
RECYCLABLE Type: Single-Stream	City Carting Taylor Reed Facility Taylor Reed Avenue, Stamford CT	2,335.56 Tons
RECYCLABLE Type: Scrap Metal	LaJoie's Auto & Scrap 40 Meadow St, Norwalk CT	180.05 Tons
RECYCLABLE Type: Electronic Waste	Newtech Recycling 600A Apgar Drive, Somerset NJ	37.17 Tons
RECYCLABLE Type: Tires	Empire Tire 1414 Norwich Road, Plainfield CT	6.56 Tons
RECYCLABLE Type:		

PART 3 - CERTIFICATION and SIGNATURE

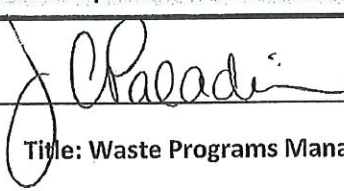
This document, which is required to be submitted to the Commissioner of the Department of Energy and Environmental Protection, shall be signed by the Permittee or, if Permittee is not an individual, by Permittee's chief executive officer or a duly authorized representative of such officer, as those terms are defined in §22a-430-3(b)(2) of the Regulations of Connecticut State Agencies, and by the individual(s) responsible for actually preparing such document, and each such individual shall certify in writing as follows:

"I have personally examined and am familiar with the information submitted in this document and all attachments thereto, and I certify, based on reasonable investigation, including my inquiry of those individuals responsible for obtaining the information, that the submitted information is true, accurate and complete to the best of my knowledge and belief. I understand that any false statement made in the submitted information may be punishable as a criminal offense under §53a-157b of the Connecticut General Statutes and any other applicable law."

Signature of permittee or duly authorized representative of permittee:  Date: 7/31/19

Printed name: Anthony R. Carr

Title: Chief of Operations & Public Works

Signature of person responsible for preparing report:  Date: 7/31/19

Printed name: Jessica C. Paladino

Title: Waste Programs Manager

Phone #: 203-854-3215

Fax #: 203-854-3224

E-mail Address: jpaladino@norwalkct.org