

MEETING MINUTES



MANAGEMENT
PARTNERS, LLC

Project: Manchester Memorial Elementary School
 Subject: School Building Committee Meeting
 Location: Manchester MS/HS – Library
 Distribution: Attendees, Project File

Project No: MP17-114
 Meeting Date: 8/13/2019
 Time: 7:00 PM
 Prepared By: R. Donner

Present	Name	Affiliation	Present	Name	Affiliation
	Caroline Weld *	SBC Co-Chair		Jim LaPosta	JCJ
✓	Ann Cameron *	SBC Co-Chair	✓	Debi McDonald	JCJ
✓	Pam Beaudoin *	Superintendent		Lauren Braren	JCJ
✓	Avi Urbas *	Dir. of Fin. & Ops		Emily Czarnecki	JCJ
	Alva Ingaharro *	Essex	✓	Mike Burton	DWMP
	John Willis *	Principal MMES	✓	Chip Heitkamp	DWMP
✓	Jason Waldron	Dir. of Facilities	✓	Christina Shefferman	DWMP
✓	Andy Oldeman *	Man. Fin. Comm.	✓	Rachel Donner	DWMP
✓	Lisa O'Donnell *	Essex B.O.S.	✓	Jon Rich	WT Rich
✓	Remko Brueker *	Manchester		Alex Corbett	WT Rich
	Adam Zaiger *	Manchester		Brian Paradee	WT Rich
✓	Tyler Virden *	Essex			
✓	George Scharfe *	Manchester			
✓	Gordon Brewster *	Manchester			
	Charlie Hay *	Essex			
✓	Sarah Creighton *	Manchester			
✓	Maggie Tomaiolo *	Essex			
✓	Jake Foster *	Essex			

* SBC Voting
Member

PROJECT MANAGERS
ARCHITECTS

Newburyport, MA 01950
 260 Merrimac Street Bldg 7
 978.499.2999 ph
 978.499.2944 fax

www.doreandwhittier.com

Item No.	Description	Action
45.1	<u>Call to Order</u> : 6:38 pm meeting was called to order by the SBC Co-Chair A. Cameron with 12 of 17 voting members in attendance.	Record
45.2	<u>Previous Topics & Approval of July 16, 2019 Meeting Minutes</u> : A motion to approve the 7/16/2019 meeting minutes as submitted made by R. Breuker and seconded by G. Scharfe. Discussion: None. Abstentions: A. Oldeman, M. Tomaiolo. Vote: All in favor: Motion passes, minutes approved.	Record
45.3	<u>Trade Contractor Prequalification Update</u> : C Shefferman reviews the sub-contractor prequalification process. The prequalification subcommittee met last week and reviewed final evaluations. C. Shefferman states of all the prequalified subcontractors, Brothers Electrical, Aluminum & Glass Concepts and Larkin Iron Works were disqualified based on references and an overall score of less than 70 points which was set in the RFQ. Bid documents will be available on September 6, 2019, and final bids will be due on October 1, 2019. J. Rich asks how we're planning to open the bids. C. Shefferman states bid opening will be at the MERSD office. She reminds the SBC that this is a public bid opening so anyone is allowed to join.	Record
45.4	<u>Construction Update</u> : J. Rich provides the SBC with a construction update. J. Rich explains that the construction team has completed demo of the southwest wing and the working platform is being prepared for the geo piers. J. Rich mentions that they lost some time during the geo pier installation but were up to make up the time with some extended hours and are now on schedule. There will be a total of 330 piers installed and they have installed 90 to date. Geopier completion date 8/27/19. On Wednesday a test will be performed to apply double the design load to the pier and make sure it can withstand the weight. J. Rich shared that they pass a very high percentage of the time but if they don't, it could impact schedule. The geo piers need 10 days to cure so the concrete sub is scheduled to start on Monday August 26 th . Concrete should go on for 8 weeks but will probably be done in 7. The steel is set to begin on October 26 th and is scheduled for 8 weeks finishing in early/mid December. All MEP and finish subs are coming on board early to late October. Schedule is always a concern, and the project team is working to stay on schedule.	Record
45.5	<u>Document/Schedule Update</u> : D. McDonald updates the SBC on documents and schedule. She shares that all 3 early packages have been released and 100% documents will be completed on September 6 th . The SBC will meet on 9/10 to approve the 100% CD's. The project team understands that this is a short review time for the SBC. However, the 90% documents are complete and if any SBC member would like to review these documents and provide comments prior the submission, the team will consider and review. Any comments following the 100% CD/bid documents availability, can be considered and possibly issued in an addendum. A. Cameron states that 90% CD comments are due to DWMP by August 23 rd at the latest. M. Burton explains that DWMP has an owner third party reviewer and SMMA also has their own comments so we can add SBC comments to that list. On September 6 th 100% CD's/bid documents will be available to prequalified trade contractors. D. McDonald provides the SBC with an MSBA update. D. McDonald states that the MSBA provided their 90% CD review comments back in July. M. Burton confirms there were no showstoppers and we will have comments on 8/22. This is our last approval from the MSBA. C Shefferman shares that they will begin showing up on site monthly and will join our weekly OAC meetings (once a month) to get updates. S. Creighton requests to review the MSBA comments. C.	Record

	<p>Shefferman will post them on DropBox. J. Foster notices the number of sinks in the classrooms vary from 1 – 2. D. McDonald explains that some classrooms will have 2 such as the art classroom and regular classrooms will have 1. J. Rich also confirms that it was reviewed and decided by the teachers not to have 2 sinks in every classroom.</p>	
45.6	<p>iGMP3 Review and Approval</p> <ul style="list-style-type: none"> ➤ WT Rich iGMP3-Approve Not-to-Exceed value in the amount of \$2,744,175.00. ➤ Authorization for P. Beaudoin to execute iGMP3 WT Rich Contract Amendment <p>iGMP 3:</p> <ul style="list-style-type: none"> ➤ Curtain Wall/Storefront: A&A Windows-Recommended Amount: \$1,559,000.00. Control Budget: \$1,560,816.00. ➤ Elevator: KONE-Recommended Amount: \$150,476.00. Control Budget: \$133,056.00 ➤ Masonry Supply-Brick: Consolidated Brick-Recommended Amount: \$119,997.00. Control Budget: \$132,826.00. ➤ Masonry Supply-CMU: Mack Brick-Recommended Amount: \$198,852.00. Control Budget: \$191,047.00. ➤ HVAC Supply (RTU's/HV's): Recommended Amount: \$578,250.00. Control Budget: \$562,827.00. ➤ Electrical Supply (Main Switchboard): Recommended Amount: \$39,600.00. Control Budget: \$39,600.00. <p>M. Burton reviews the spreadsheet analysis that breaks down the 3-ERP packages. M. Burton explains this is the same spreadsheet we showed last time for ERP#2 showing the progression and how contingencies are utilized through each ERP. The spreadsheet shows we have purchased 40% of the scope work to date. It also shows what is still left to buy so we need to approve a not to exceed value.</p> <p>J. Rich states that elevator bid was included in ERP#3 since we were able to prequalify the only contractor that submitted an SOQ right away. Eagle Elevator stated that they would not be submitting a bid after they reviewed the elevator specifications. The elevator specified is not a typical elevator that Eagle would provide. DWMP spoke with Deb Anderson from the Massachusetts AG office, and confirmed that since no bids, WT Rich will be awarded the trade.</p> <ul style="list-style-type: none"> ➤ A motion was made by G. Scharfe and seconded by A. Oldeman for the approval of WT Rich iGMP3-Approve Not-to-Exceed value in the amount of \$2,744,175.00. All in favor, motion passes. ➤ A motion was made by G. Scharfe and seconded by A. Oldeman for the authorization for P. Beaudoin to execute iGMP3 WT Rich Contract Amendment. 	Record
45.7.1	<p><u>Invoices and Commitments for Approval:</u> A motion was made by J. Foster and seconded by L. O'Donnell for the approval of DWMP Invoice No. 27 in the amount of \$85,922.50. Discussion: None. Vote: All in favor, motion passes.</p>	Record
45.7.2	<p><u>Invoices and Commitments for Approval:</u> A motion was made by J. Foster and seconded by L. O'Donnell for the approval of JCJ Invoice No. 24 in the amount of \$298,451.40. Discussion: None. Vote: All in favor, motion passes.</p>	Record
45.7.3	<p><u>Invoices and Commitments for Approval:</u> A motion was made by J. Foster and seconded by L. O'Donnell for the approval of WT Rich Requisition No. 2 in the amount of \$634,197.00. Discussion: None. Vote: All in favor, motion passes.</p>	Record

45.7.4	<p><u>Invoices and Commitments for Approval:</u> A motion was made by J. Foster and seconded by L. O'Donnell for the approval of Geocomp Vibration Monitoring Invoice No. 2220953 in the amount of \$1,400.00. Discussion: None. Vote: All in favor, motion passes.</p>	Record
45.8.5	<p><u>Invoices and Commitments for Approval:</u> A motion was made by G. Scharfe and seconded by A. Oldeman for the approval of JCJ Amendment No. 4 in the amount of \$157,307.70. Discussion: D. McDonald reviews the backup including the proposals for each consultant. Amendment No 4:</p> <ul style="list-style-type: none"> ➤ CDW Consultants: Hazardous Materials Review (DD-CA) \$28,011.50. ➤ CDW Consultants: Phase II Environmental Services \$24,229.70 ➤ LGCI: Geotechnical Consultant Services (DD-CA) \$105,066.50. <p>J. Foster asks if the money is being moved from a budgeted line or being taken from contingency? M. Burton explains that there is a budget line for this category, hazardous materials, and geotechnical services, but we have gone over that budget. It is very hard to forecast unforeseen conditions and issues that can arise. T. Virden confirms that your risk goes down over time. D. McDonald shares that these are basic services that were specific needs for this project. P. Beaudoin asks where we stand big picture compared to other projects. J. Rich responds that this is on the high side, but he feels the biggest risk is schedule and that's where the focus should be. All in favor, motion passes.</p>	Record
44.8.6	<p><u>Invoices and Commitments for Approval:</u> A motion was made by G.Scharfe and seconded by S. Creighton for the approval of JCJ Amendment No. 5 in the amount of \$155,005.50</p> <p>Amendment No. 5:</p> <ul style="list-style-type: none"> ➤ Samiotes-Supplemental Topo & Survey: \$7,425.00. ➤ Samiotes-Supplemental Wetlands Delineation: \$1,199.00. ➤ Samiotes-BSLF Revised Construction Docs: \$6,600.00. ➤ Samiotes-BLSF Additional Permitting: \$6,600.00. ➤ Samiotes-Coach Field ADA Access Path: \$1,100.00. ➤ Samiotes-BLSF Additional Doc Review & Coordination: \$3,850.00. ➤ Samiotes-Additional Peer Review Revisions: \$11,000.00. ➤ Samiotes-Pre-K Walkway Layout: \$1,650.00. ➤ LGCI-Add'l Geotech Explorations for ConCom: \$17,341.50. ➤ CDW-NTAAWP: \$3,806.00 ➤ CDW-Abatement Monitoring: \$71,775.00. ➤ CDW-Additional Environmental Services: \$38,817.00. ➤ GGD-Tech Equipment Procurement Consulting: \$27,500.00. <p>Discussion: D. McDonald reviews Amendment no. 5. This amendment includes work that had/needs to be completed as well as additional scope directed by ConCom/Planning Board peer reviewer. As previously discussed, an unknow flood plan was discovered halfway through the approval process, additional probes and borings were needed, as well as a 240 comment peer review was provided that needed a response and many clarifications. CDW abatement monitoring is another additional cost for some contaminated materials found onsite. J. Foster tasks why is monitoring extra? D. McDonald responds that MSBA projects do not include abatement monitoring as basic services to the Designer. M. Burton confirms that it's included in the budget but it's impossible to carry a value as you never know the extent. After</p>	Record

	<p>reviewing the CDW Additional Environmental Services proposal, the project team recommended that task 3, 4, and 5 are not needed at this time. These tasks will be removed from the proposal. Amendment no. 5 also includes a proposal from GGD for additional services for technology procurement. R. Breuker asks why this is extra cost. D. McDonald responds that technology procurement is an additional service. C. Shefferman recommends that the project team review and GGD have an initial discussion with the District to review the task associated. MERSD to determine whether this service is needed. A motion was made by A. Cameron and seconded by G. Brewster to remove Task 3, 4, and 5 of CDW additional environmental services proposal, as well as GGD's Technology procurement proposal. Vote: All in favor, motion passes. Revised amendment no.5 amount of \$154,389.70.</p>	
<p>44.9</p>	<p><u>Other Topics Not Reasonably Anticipated 48 hours prior to Meeting:</u></p> <ul style="list-style-type: none"> ➤ FF&E/Technology/Playground Update <ul style="list-style-type: none"> ➤ FF&E Budget: \$402,000.00 <p>P. Beaudoin states the subcommittee met last week and reviewed some new renderings. Subcommittee waiting on revised renderings with a playground structure that is within the current budget. C. Shefferman reminds everyone that E. Czarnecki from JCJ provided a mid-grade budget. Currently \$280,000.00 over budget, with all furniture included. P. Beaudoin states she is hopeful that the collaborative program (MSBA) may help with savings.</p> <ul style="list-style-type: none"> ➤ Technology Budget: \$402,000.00 <p>Technology meeting scheduled for week of 8/20.</p> <ul style="list-style-type: none"> ➤ Playground Equipment Budget: \$150,000.00 <p>P. Beaudoin expresses that the committee is making progress. She reminds the SBC that the last update they couldn't decide on a concept or look. Now, a color scheme and nautical themes have been identified. Unfortunately, the design is still \$200,000.00 over budget. Currently reviewing consolidating from 3 playgrounds to 1. Subcommittee is hopeful this will be resolved by early September. Project team will have better idea on budget once bids are due on 10/1. J. Foster emphasizes that the playground was underbudgeted and unfortunately now we have to make up the difference. M. Burton explains that just because this is being removed from 100% CDs that doesn't take the pressure off to resolve this issue. It still needs to be resolved in September.</p>	
<p>43.11</p>	<p><u>Public Comments:</u></p> <ul style="list-style-type: none"> ➤ D. McDonald thinks it would be useful if we share comments from community. C. Shefferman notes that she sends out notifications letting the neighbors know about things that might be occurring outside of construction hours. A. Cameron mentions that R. Breuker is a local neighbor and has not received nor heard any complaints. D. McDonald explains that today Chris Bertoni, Manchester ConCom, received an email from a concerned neighbor about the dirt on Lincoln St. M. Burton confirms that as part of the ConCom order on conditions, we weren't allowed to put wheel washes on site. J. Rich confirms that they do sweep that area and they're doing what they can to mitigate dirt and dust. 	<p>Record</p>
<p>43.12</p>	<p><u>Next SBC Meeting:</u></p> <ul style="list-style-type: none"> ➤ 9/10 @ 7:00 pm. 	<p>Record</p>
<p>43.13</p>	<p><u>Adjourn:</u> A motion was made by A. Oldeman and seconded by J. Foster to adjourn the meeting at 8:36pm. Discussion: None. Vote: Unanimous to approve.</p>	<p>Record</p>

Attached:

Project: Manchester Memorial Elementary School
Meeting: School Building Committee
Meeting No. 45- 8/13/2019
Page: 6

DORE AND WHITTIER MANAGEMENT PARTNERS, LLC.

Rachel Donner
Assistant Project Manager
Cc: Attendees, File

The above is my summation of our meeting. If you have any additions and/or corrections, please contact me for incorporation into these minutes.

AGENDA

Project: Manchester Memorial Elementary School
Subject: School Building Committee Meeting
Location: Memorial Elementary School-Art Room
Distribution: Attendees, Project File

Project No: MP17-114
Meeting Date: 8/13/2019
Time: 7:00 PM
Prepared By: C.Shefferman



1. Call to Order & Intro
2. Previous Topics & Approval of July 16, 2019 Meeting Minutes
3. Trade Contractor Prequalification Update
4. Construction Update
5. Document/Schedule Update
6. iGMP3 Review and Approval
 - WT Rich iGMP3-Approve Not-to-Exceed value in the amount of \$2,744,175.00.
 - Authorization for P. Beaudoin to execute iGMP3 WT Rich Contract Amendment
7. Invoices and Commitments for Approval
 - DWMP Invoice No. 27 in the amount of \$85,922.50. (invoice attached). Vote expected.
 - JCJ Invoice No. 24 in the amount of \$298,451.40. (invoice attached). Vote expected.
 - WT Rich Requisition No. 2 in the amount of \$634,197.00. (invoice attached). Vote expected.
 - Geocomp Vibration Monitoring Invoice No. 2220953 in the amount of \$1,400.00. (invoice attached). Vote expected.
 - JCJ Amendment No. 4 in the amount of \$157,307.70. (amendment attached). Vote expected.
 - JCJ Amendment No. 5 in the amount of \$198,663.50. (amendment attached). Vote expected.
8. Other Topics Not Reasonably Anticipated 48 hours prior to Meeting
 - FF&E/Technology/Playground Update
 - FF&E Budget: \$402,000.00
 - Technology Budget: \$402,000.00
 - Playground Equipment Budget: \$150,000.00
9. Public Comments
10. Next Meetings
11. Adjourn

PROJECT MANAGERS
ARCHITECTS

Newburyport, MA 01950
260 Merrimac Street Bldg 7
978.499.2999 ph
978.499.2944 fax

www.doreandwhittier.com

MEETING MINUTES



MANAGEMENT
PARTNERS, LLC

Project: Manchester Memorial Elementary School
 Subject: School Building Committee Meeting
 Location: Manchester MS/HS – Library
 Distribution: Attendees, Project File

Project No: MP17-114
 Meeting Date: 7/16/2019
 Time: 5:00 PM
 Prepared By: R. Donner

Present	Name	Affiliation	Present	Name	Affiliation
	Caroline Weld *	SBC Co-Chair		Jim LaPosta	JCJ
✓	Ann Cameron *	SBC Co-Chair	✓	Debi McDonald	JCJ
✓	Pam Beaudoin *	Superintendent		Lauren Braren	JCJ
✓	Avi Urbas *	Dir. of Fin. & Ops		Emily Czarnecki	JCJ
✓	Alva Ingaharro *	Essex	✓	Mike Burton	DWMP
✓	John Willis *	Principal MMES	✓	Chip Heitkamp	DWMP
✓	Jason Waldron	Dir. of Facilities	✓	Christina Shefferman	DWMP
	Andy Oldeman *	Man. Fin. Comm.	✓	Rachel Donner	DWMP
✓	Lisa O'Donnell *	Essex B.O.S.	✓	Jon Rich	WT Rich
	Remko Brueker *	Manchester		Alex Corbett	WT Rich
	Adam Zaiger *	Manchester		Brian Paradee	WT Rich
✓	Tyler Virden *	Essex			
✓	George Scharfe *	Manchester			
✓	Gordon Brewster *	Manchester			
✓	Charlie Hay *	Essex			
	Sarah Creighton *	Manchester			
	Maggie Tomaiolo *	Essex			
✓	Jake Foster *	Essex			

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PROJECT MANAGERS
ARCHITECTS

Newburyport, MA 01950
 260 Merrimac Street Bldg 7
 978.499.2999 ph
 978.499.2944 fax

www.doreandwhittier.com

Item No.	Description	Action
44.1	<u>Call to Order</u> : 5:14 pm meeting was called to order by the SBC Co-Chair A. Cameron with 11 of 17 voting members in attendance.	Record
44.2	<u>Previous Topics & Approval of June 3, 2019 Meeting Minutes</u> : A motion to approve the 6/3/2019 meeting minutes as submitted made by T. Virden and seconded by G. Scharfe. Discussion: None. Abstentions: L. O'Donnell. Vote: All in favor: Motion passes, minutes approved.	Record
44.3	<u>Permit Schedule review and Update</u> : C. Shefferman explains she forwarded a dropbox link so that the SBC could review the final order of conditions from ConCom. She continues that the project is currently transitioning from Phase 1A to Phase 1B. Chris Bertoni will be on site tomorrow morning give us the approval to proceed. A. Cameron asks if there is something unexpected in the order of conditions or was it what Chip Nylon was expecting? P. Beaudoin notes that Manchester is exercising their authority. M. Burton explains that along with this there comes costs. There were multiple meetings with Bill Jones and the engineer. ConCom is creating more work for JCJ and WTRich. A. Ingaharro asks if the concrete washouts will be an additional cost. J. Rich responds that that is a possibility. P. Beaudoin shares that she attended an MSBA conference last week and asked for advice on some of these procedures. A. Cameron asks if there are any other permits expected at this point? M. Burton says they are awaiting the building and foundation permit but ConCom and Planning Board are over.	Record
44.4	<p><u>FF&E Budget Review and Discussion</u>: C. Shefferman shares that it was decided to separate FF&E and alternates. She reviews that the MSBA contributes \$1,200 per student for FF&E. Originally, we thought if we wanted to purchase all new furniture, the cost would be around 800K. Emily from JCJ took another look at her estimate and created a new budget for mid-range furniture. This new update was broken into 4 buckets. Now, we will need to find \$284K to cover all new furniture and equipment. She continues that the sub-committee met a few times since the last SBC meeting and decided to break it down this way. There is still a lot of work that needs to be done in order to make this happen such as meeting with the teachers and seeing what they will need per classroom, per grade. A. Cameron asks when is the drop dead date. C. Shefferman responds that some of the furniture will be delivered next August so we are looking to order the furniture in March. She also shares with the SBC that there is a collaborative buying program we are looking in to. The collaborative program allows schools to buy in bulk which would lead to a steeper discount. This could be beneficial to the Memorial School. C. Hay asks if the estimated pricing is based on State Contract or MHEC? D. Lombardi shares that the pricing is based on current projects. C. Shefferman notes we do not have any furniture lines selected yet so we cannot use the State Contract pricing yet. J. Foster reminds the SBC that the group made a decision that made this situation worse. Originally decided each student budget would be \$1,500 and during VE lowered it to \$1,200. C. Hay feels we can get a lot closer to the actual number. D. Lombardi shares that Project rooms and Pre-K are not included in the MSBA contribution. C. Shefferman mentions that the next step is to review with the teachers and buckle up quantities and pricing to have a legitimate number. After that, we can see where we are budget wise. A. Cameron questions whether technology is part of this number. M. Burton states that it is not and JCJ is currently looking in to it. J. Foster shares we will probably have the same issue.</p> <ul style="list-style-type: none"> ➤ <u>Technology Subcommittee</u>: It is suggested to be the same group as the FF&E subcommittee. A. Ingaharro asks if there are grants that could be helpful. P. Beaudoin explains that any grant they apply for, they are usually 	Record

	<p>ruled out of. She then shares she is optimistic about the collaborative buying program. A lot of schools last year ended up with high end furniture they otherwise could not afford. The goal is to cover furniture in the project as much as possible. It would be problematic opening a school with not old/used furniture.</p>	
<p>44.5</p>	<p><u>Alternates Review and Discussion:</u> M. Burton explains that the project team had 90% reconciliation. WTRich and JCJ estimators both did independent estimates. The estimates were less than .5% which is pretty good. A subcommittee was formed to discuss alternates. Now, it is time to prioritize them. This list was created through the Alternates Subcommittee and they selected the ones that made the most sense to get us back to budget. We also discussed possibly eliminating the last 2 options. J. Rich shares that the canopy was always considered an alternate. This scope is not in the budget and that is how we got to the budget. C. Hay asks if these are in order. M. Burton shows that this was the order decided by the project team and discussed with the subcommittee. It was a group decision to keep options 1,2, & 3 and remove 4 & 5 from the job.</p> <ul style="list-style-type: none"> ➤ <u>Café tables:</u> D. Lombardi explains these are outdoor tables in the concrete. The landscaper designed it cast in concrete and it was decided during our alternate review to remove it from the job. It could later be part of FF&E or go away completely. ➤ <u>Wood Ceilings:</u> D. Lombardi shares that they did not want to give up wood in the café and library but decided to remove it in the project rooms and art room. ➤ <u>Concrete Curbs:</u> C. Hay recommends changing the first alternate to granite curbs or switch it to option #2 at least. Granite curbs are more important than concrete polished floors. D. Lombardi suggests considering the polished concrete floors in the art room. This option was moved from a deduct to an add alternate just incase we received favorable pricing. The longevity of the floor is better. Avi expresses concern about not having granite curbs. He notes they already have chipped curbs and does not think the concrete will hold up well. JCJ will follow up with pricing on a 6in. and 4in. curb. J. Rich shares that all existing granite curbing is to be salvaged and reused. D. Lombardi reviewed the specification with Samiotes and discovered there is a higher-grade granite available without breaking the bank. He also suggests moving this to option #2 versus option #3. <p>A.Cameron asks would you recommend curbs first? C. Hay explains it's a matter of preference. M. Burton says we put the canopy first because this is what created the alternates discussion. A. Cameron then asks should concrete floors be removed all together? C. Hay doesn't feel they are critical to the project. J. Willis also doesn't feel the floors are that important. (Eliminate polished concrete floors all together)</p> <ul style="list-style-type: none"> ➤ Alternates List <ul style="list-style-type: none"> ○ 1. Granite Curbs ○ 2. Canopy <p>A.Ingaharro asks how is the canopy functional? J. Willis explains this is the waiting area so that staff can be there with the kids during arrival and dismissal. C. Shefferman notes that they already associate the canopy with the school.</p> <ul style="list-style-type: none"> ➤ 	<p>Record</p>

	<ul style="list-style-type: none"> ➤ A motion was made by L. O'Donnell and seconded by J. Foster for the approval of the alternates list. Opposed: P. Beaudoin, A. Ingaharro. 	
44.6	<p><u>90% Construction Documents Reconciled Estimate Review:</u> <u>VE Review:</u> M. Burton reviews the 3 contingency budgets. (GMP, Design, Owner) GMP Contingency is used for CM mistakes. Design contingency is used for designer mistakes. Owner contingency is used for services. Owner contingency has been used for amendments to the consultants. M. Burton explains that at this point, owner contingency is getting low. (149K left). J. Foster mentions that the geo techs are above and beyond what was budgeted. A. Cameron asks what drove this? C. Shefferman mentions she would rather D. McDonald from JCJ explain at the next SBC meeting. There is nothing to approve tonight but these costs are projected. C. Hay shares that the Hazmat pricing is beyond what he usually sees. M. Burton agrees that he also feels the monitoring piece seems off. A. Cameron asks if there's any way to get that cost to come down? M. Burton assures her that JCJ & DWMP will have a conversation with CDW. A. Urbas asks if this is something where you can shop for a deal? Is it impossible to switch companies at this point? M. Burton explains when you submit on the job, you have to list your consultants. C. Hay mentions you can change but you have to write a letter to the MSBA as to why you want to change. M. Burton reminds the SBC there is time to change since CDW will not be back until next summer. Our next meeting is in August and we will come back with a lower price or a recommendation to change. J. Foster feels that a lot of these are being presented after the fact. J. Rich explains mastic on the foundation contained asbestos, the non-traditional work plan had to be approved. Things like that needed to be approved. P. Beaudoin requests adding another column to show what's been spent to date. M. Burton mentions there has been a lot of money spent on consultants and we wanted everyone to see how this affects the budget. We are not approving anything tonight.</p> <ul style="list-style-type: none"> ➤ <u>Saturday Work:</u> J. Rich explains that since this is a tight schedule, we need to work some Saturdays. Some of the costs include WTRich unlocking the gate in the morning, JTC testing premium, clerk, etc. M. Burton clarifies that in DWMPs contract, we qualify 40hrs a week for an on-site clerk. If WTRich is working on a Saturday, we discuss at our weekly OACM meetings whether or not the work requires a clerk to be on site. If this is not at the fault of anybody, we want to set up a contingency for consultants. G. Scharfe expresses that the schedule did not include Saturdays and overtime originally. J. Rich points out that during SD phase, we covered CM Supervisory for demo and abatement and excluded other advisory time. The obligation is on the sub to meet the schedule. Subs say they don't want to work Saturdays but we can't cover things we cant predict. If there are weather delays that comes out of CM Contingency. We will try to push back on Saturdays but if the contractors are being productive I will make the recommendation. ➤ <u>Clerk:</u> M. Burton explains we are estimating 10 days of Saturday work for our clerk. We have only used 1 day so far. He does not want to write an amendment for this right now because we don't know yet. We just want the SBC to understand the \$9,900 is for 10 days. This may or may not last the whole project. If we don't hit our schedule, we will have a much larger problem. It's a reality and we don't want this to hold us hostage. We could possibly set up a not to exceed allowance of \$20K and set up an amendment for that as well. We just want to paint the best picture we can for you tonight as we're a little lower with the owners contingency than we'd like to be, We just want the group to be aware of that. 	Record

	<p>C. Hay asks about the modular and mailing back charges. M. Burton mentions that we are not using modular anymore so we are looking to add that extra money to contingency. (200K) We could even possibly move it to Furniture. The 150K may also be available to move,</p> <ul style="list-style-type: none"> ➤ A motion was made by T. Virden and seconded by G. Scharfe for the approval of the MSBA submission. All in favor, motion passes. 	
44.7	<p><u>Trade Contractor Prequalification Update:</u> C. Shefferman reminds the SBC that during the last meeting they established a PreQual Committee. 72 trade contractors submitted. She explains that DWMP has an online process that is being used to evaluate the contractors and will be done reviewing on the 26th. Then, the committee will meet to approve or disqualify the contractors.</p>	Record
44.8.1	<p><u>Invoices and Commitments for Approval:</u> A motion was made by T. Virden and seconded by L. O'Donnell for the approval of Advanced Maintenance Invoice No. 4271 in the amount of \$2,072.40. Discussion: None. All in favor, motion passes.</p>	Record
44.8.2	<p><u>Invoices and Commitments for Approval:</u> A motion was made by T. Virden and seconded by L. O'Donnell for the approval of Collin Box Invoice No. 68524 in the amount of \$451.65. Discussion: None. All in favor, motion passes.</p>	Record
44.8.3	<p><u>Invoices and Commitments for Approval:</u> A motion was made by T. Virden and seconded by L. O'Donnell for the approval of Collin Box Invoice No. 68754 in the amount of \$557.50. Discussion: None. All in favor, motion passes.</p>	Record
44.8.4	<p><u>Invoices and Commitments for Approval:</u> A motion was made by T. Virden and seconded by L. O'Donnell for the approval of Collin Box Invoice No. 68884 in the amount of \$212.00. Discussion: None. All in favor, motion passes.</p>	Record
44.8.5	<p><u>Invoices and Commitments for Approval:</u> A motion was made by T. Virden and seconded by L. O'Donnell for the approval of DWMP Invoice No. 26 in the amount of \$12,552.00. Discussion: None. All in favor, motion passes.</p>	Record
44.8.6	<p><u>Invoices and Commitments for Approval:</u> A motion was made by T. Virden and seconded by L. O'Donnell for the approval of Garrity & Knisely Invoice No.10491 in the amount of \$1,600.00. Discussion: None. All in favor, motion passes.</p>	Record
44.8.7	<p><u>Invoices and Commitments for Approval:</u> A motion was made by T. Virden and seconded by L. O'Donnell for the approval of Gloucester Daily Times Invoice No. 11087909 in the amount of \$490.25. Discussion: None. All in favor, motion passes.</p>	Record
44.8.8	<p><u>Invoices and Commitments for Approval:</u> A motion was made by T. Virden and seconded by L. O'Donnell for the approval of JCJ Invoice No. 22 in the amount of \$250,000.00. Discussion: None. All in favor, motion passes.</p>	Record
44.8.9	<p><u>Invoices and Commitments for Approval:</u> A motion was made by T. Virden and seconded by L. O'Donnell for the approval of JCJ Invoice No. 23 in the amount of \$266,306.43. Discussion: None. All in favor, motion passes.</p>	Record
44.8.10	<p><u>Invoices and Commitments for Approval:</u> A motion was made by T. Virden and seconded by L. O'Donnell for the approval of Valley Communications Invoice No. 1330 in the amount of \$65.00. Discussion: None. All in favor, motion passes.</p>	Record

44.8.11	<u>Invoices and Commitments for Approval:</u> A motion was made by T. Virden and seconded by L. O'Donnell for the approval of Valley Communications Invoice No. 1376 in the amount of \$528.00. Discussion: None. All in favor, motion passes.	Record
44.8.12	<u>Invoices and Commitments for Approval:</u> A motion was made by T. Virden and seconded by L. O'Donnell for the approval of WT Rich Invoice No. 201802-08 in the amount of \$18,775.00. Discussion: None. All in favor, motion passes.	Record
44.8.13	<u>Invoices and Commitments for Approval:</u> A motion was made by T. Virden and seconded by L. O'Donnell for the approval of WT Rich Invoice No. 201802-09 in the amount of \$20,000.00. Discussion: None. All in favor, motion passes.	Record
44.8.14	<u>Invoices and Commitments for Approval:</u> A motion was made by T. Virden and seconded by L. O'Donnell for the approval of WT Rich Requisition No. 1 in the amount of \$226,870.00. Discussion: None. All in favor, motion passes.	Record
44.8.15	<u>Invoices and Commitments for Approval:</u> A motion was made by T. Virden and seconded by L. O'Donnell for the approval of Falvey Associates Invoice No. 1 in the amount of \$17,575.00. Discussion: None. All in favor, motion passes.	Record
44.8.16	<u>Invoices and Commitments for Approval:</u> A motion was made by T. Virden and seconded by L. O'Donnell for the approval of Minuteman Press Invoice No. 95517 in the amount of \$31.24. Discussion: None. All in favor, motion passes.	Record
44.8.17	<u>Invoices and Commitments for Approval:</u> A motion was made by A. Ingaharro Virden and seconded by C. Hay for the approval of DWMP Amendment No. 4 for Field Representative Saturday work not to exceed value in the amount of \$9,920.00. Discussion: None. All in favor, motion passes.	Record
44.8.18	<u>Invoices and Commitments for Approval:</u> A motion was made by G. Scharfe and seconded by J. Foster for the approval of DWMP Amendment No. 5 for Owner Testing Services in the amount of \$45,383.80. Discussion: None. All in favor, motion passes.	Record
44.9	<u>Other Topics Not Reasonably Anticipated 48 hours prior to Meeting:</u> ➤ Jason Waldron introduces himself as the new facilities manager.	Record
43.11	<u>Public Comments:</u> None	Record
43.12	<u>Next SBC Meeting:</u> ➤ 8/13 @ 7:00 pm.	Record
43.13	<u>Adjourn:</u> 6:58 A motion was made by G. Scharfe and seconded by P. Beaudoin to adjourn the meeting, Discussion: None. Vote: Unanimous to approve.	Record

DORE AND WHITTIER MANAGEMENT PARTNERS, LLC.

Rachel Donner
Assistant Project Manager
Cc: Attendees, File

The above is my summation of our meeting. If you have any additions and/or corrections, please contact me for incorporation into these minutes.

Manchester Memorial Elementary School

ERP 1-3 Analysis

8/13/2019

DESCRIPTION	60%CD		Actual EP1		Detail	Actual EP2		Actual EP3 (NTE)		DETAIL	Estimated Remaining scope to buy		Forecast Final GMP	
	TOTAL	DETAIL	TOTAL	TOTAL		TOTAL	DETAIL	TOTAL	DETAIL		TOTAL	DETAIL	TOTAL	DETAIL
Direct Construction Cost	\$32,373,461		\$2,018,950	\$8,487,585	6%	\$8,487,585	\$2,481,223	\$20,082,453	8%		\$20,082,453	62%	\$33,070,211	
Escalation 4% (\$1,294,461)														
Design Contingency 3% (\$1,010,038)	\$ 2,998,559		\$ 181,705	\$ 834,047	6%	\$ 834,047	\$ 138,948	\$ 1,147,109	5%		\$ 1,147,109	38%	\$ 2,301,809	
Phasing Premium 2% (\$693,560)														
	\$35,372,020		\$2,200,655	\$9,321,632	6%	\$9,321,632	\$2,620,171	\$21,229,562	7%		\$21,229,562	60%	\$ 35,372,020	
General Conditions & Requirements	\$3,859,915	LS		\$ 829,966		\$ 829,966		\$ 3,029,949	0%		\$ 3,029,949	78%	\$ 3,859,915	
Bonds/Insurance/Permit	\$566,989	LS		\$ 236,955		\$ 236,955		\$ 330,034	0%		\$ 330,034	58%	\$ 566,989	
CM Contingency	\$520,177	1.5%		\$ 172,834		\$ 172,834		\$ 347,343	0%		\$ 347,343	67%	\$ 520,177	
Fee	\$822,839	2.0%		\$ 260,450		\$ 260,450		\$ 559,997	0%		\$ 559,997	68%	\$ 820,447	
Total	\$41,141,940		\$ 2,200,655	\$ 10,821,837	5%	\$ 10,821,837	\$ 2,620,171	\$ 25,499,276	6%		\$ 25,499,276	62%	\$ 41,141,939	

Bought scope per EP1-3 40%

Contingency used for EP1-3 39%



W. T. RICH COMPANY, INC.

Manchester Essex Regional School District
c/o Dore & Whittier Management Partners
#7-2, 260 Merrimac St
Newburyport, MA 01950

8/12/2019

Attention: Michael Burton

Reference: Manchester Memorial Elementary School Construction Project
43 Lincoln Street, Manchester-by-the-Sea, MA

Subject: Letter of Recommendation for Bid Package Award
Early Package #3 – Curtain Wall / Storefront, Elevator, Main Switchboard Supply, RTU/HV Supply, Masonry Supply and Associated CM Fee, Contingency, Insurance, and Bonds

Dear Michael,

W.T. Rich Company hereby recommends approval of a combined total bid package for an amount **Not to Exceed \$2,744,175.00** for **Early Package #3 (“EP #3” – Curtain Wall / Storefront, Elevator, Main Switchboard Supply, RTU Supply, and Masonry Supply) and Associated CM Fee, Contingency, Insurance, and Bonds.**

Our budget estimate for the EP #3 bid package scope of work is **\$2,620,172.00**. This is a budget overrun of **\$26,003.00, as compared to the subtotal shown below of \$2,646,175.00**. Outlined below is our detailed recommendation for procuring this package.

Item	Trade	Recommended Amount	Control Budget	Comments
1	Curtain Wall / Storefront	\$1,559,000.00	\$1,560,816.00	A&A Window Products – Best & Final value for Award.
2	Elevator	\$150,476.00	\$133,056.00	Not to Exceed value based on KONE bid.
3	Masonry Supply - Brick	\$119,997.00	\$132,826.00	Not to Exceed value based on Consolidated Brick Quote.
4	Masonry Supply - CMU	\$198,852.00	\$191,047.00	Not to Exceed value based on Mack Brick Quote.
5	HVAC Supply (RTU's / HV's)	\$578,250.00	\$562,827.00	Not to Exceed value based on HTS Quote (Manufacturer: Valant).
6	Electrical Supply (Main Switchboard)	\$39,600.00	\$39,600.00	Not to Exceed Amount - Amount shown as minimum anticipated buyout with LeVangie (Manufacturer: Siemens).
1-6	EP #3 SUB/SUPPLIER SUBTOTAL	\$2,646,175.00	\$2,620,172.00	Over Budget \$26,003.00
7	CM Fee, Contingency, Insurance & Bonds	\$98,000.00		Finalized Upon iGMP #3 Execution
1-7	TOTAL	\$2,744,175.00		Total EP #3 Recommendation

W.T Rich Company, Inc. recommends approval of the following actions to procure **EP #3** (summarized in table above):

- 1.) Award a contract to perform services associated with the **Curtain Wall and Storefront** Scope of work in an amount of **\$1,559,000** (One Million, Five Hundred Fifty-Nine Thousand Dollars and Zero Cents) to **A&A Window Products**. The scope of work to be awarded encompasses the work found in the Early Package #3 Plans and Specifications dated July 12, 2019 along with Addendums #1, #2, and #3, and as defined by the attached **Curtain Wall and Storefront Scope of Work Definition Sheet dated July 15, 2019**.
 - Qualifications:
 - Basis-of-Design Kawneer System.
 - (1) mock-up storefront window, with hopper vent, sunshade, and GL-4 glazing; 10 SF
 - Exclusions:
 - 3rd Party Testing is not included in recommended value.
 - Final Cleaning of Windows is not included.
 - 3rd Bead of caulking at wide curtain wall – 2 beads carried as required by manufacturer.
 - Automatic Door Operators at CW/SF are not shown and are not included.
 - See quote for additional exclusions and scope by others to be coordinated with bid documents.
 - Add Alternates (Not included in Recommended Value):
 - 3rd Party Testing – Add: \$26,000.00
 - Final Cleaning of Exterior Glass – Add: \$15,000.00

- 2.) Award a contract to perform services associated with the **Elevator** Scope of work in an amount **not to exceed \$150,476** (One Hundred Forty-Four Thousand, Two Hundred Seventy-Six Dollars and Zero Cents) to **KONE Elevators**. The scope of work to be awarded encompasses the work found in the Early Package #3 Plans and Specifications dated July 12, 2019 along with Addendums #1, #2, and #3, and as defined by the attached **KONE Proposal dated August 7, 2019**.
 - Qualifications:
 - KONE Elevator – Acceptable Manufacturer per Spec.
 - Model: MonoSpace500.
 - 2 total floors served, 2 entrances.
 - 8’-6” W x 7’-6” D Shaft Dimension.
 - Traction Elevator per Specification.
 - Elevator Machine Room not required.
 - Includes Add/Alternate for Battery Backup.
 - Includes Add/Alternate for Security Key Switches for Fire Department Call.
 - Includes Card Reader Provisions – see quote for clarification.
 - 4 days of Operator Time for Trades work in shaft.
 - Reference payment terms – SOV to be negotiated.
 - 12 Months of Maintenance Included.
 - Exclusions:
 - EPD Provisions not included– assumed not required as not tied into generator emergency power (see proposal).
 - Ladder, Hoist Beam, Safety Tube by others.
 - Off hours inspection with State Elevator inspector.
 - See quote for additional exclusions and scope by others to be coordinated with bid documents.
 - Deduct/Alternate:
 - Holeless Hydraulic Elevator (Stanley Elevator) – Deduct: \$30,000
 - Note: Requires Larger machine Room.

- 3.) Award Purchase Order associated with the Brick Supply – Masonry Pre-Purchase Scope of work in an amount **not to exceed \$119,997** (One Hundred Nineteen Thousand, Nine Hundred Ninety-Seven Dollars and Zero Cents) to Consolidated Brick. The scope of work to be awarded encompasses the work found in the Early Package #3 Plans and Specifications dated July 12, 2019 along with Addendums #1, #2, and #3, and as defined by the attached **Masonry Pre-Purchase Scope of Work - Rev 1 dated July 26, 2019 and attached proposal dated 8/6/19**.
 - Qualifications:

- KF/Redland Brick – Basis-of-Design.
 - BR-1 thru BR-4.
 - One Delivery to site or storage facility.
 - Reference Consolidated Brick Quote for Terms and Conditions.
 - Exclusions:
 - Additional Storage Costs of the Brick.
 - DOE fuel charge escalation at time of delivery.
 - Costs to unload and handle on site are not included.
 - See quote for additional clarifications / exclusions and scope by others to be coordinated with bid documents.
- 4.) Award Purchase Order associated with the CMU Supply – Masonry Pre-Purchase Scope of work in an amount **not to exceed \$198,852** (One Hundred Ninety-Eight Thousand, Eight Hundred Fifty-Two Dollars and Zero Cents) to Mack Brick Co. The scope of work to be awarded encompasses the work found in the Early Package #3 Plans and Specifications dated July 12, 2019 along with Addendums #1, #2, and #3, and as defined by the attached **Masonry Pre-Purchase Scope of Work - Rev 1 dated July 26, 2019 and attached proposal dated 7/25/19.**
- Qualifications:
 - WestBricks – Basis-of-Design.
 - CMU-1 thru CMU-5 only
 - Freight Delivery to site or storage facility included.
 - Exclusions:
 - Additional Storage Costs of the CMU Veneer.
 - CMU Veneer only.
 - Reference Mack Brick Quote for Terms and Conditions.
 - DOE fuel charge escalation at time of delivery.
 - Costs to unload and handle on site are not included.
 - See quote for additional clarifications / exclusions and scope by others to be coordinated with bid documents.
- 5.) Award Purchase Order associated with the HVAC Supply Pre-Purchase (RTU's / HV's) Scope of work in an amount **not to exceed \$578,250** (Five Hundred Seventy-Eight Thousand, Two Hundred Fifty Dollars and Zero Cents) to HTS. The scope of work to be awarded encompasses the work found in the Early Package #3 Plans and Specifications dated July 12, 2019 along with Addendums #1, #2, and #3, and as defined by the attached **HVAC Pre-Purchase Scope of Work - Rev 1 dated July 26, 2019 and attached proposal dated 8/12/19.**
- Qualifications:
 - Valent – Listed Manufacturer per Specification.
 - Coordinate HVAC subcontractor and other trade requirements with submittal.
 - Reference quote and submittal for accessories included.
 - Exclusions:
 - Reference HTS quote for terms and conditions.
 - Rigging not included.
 - Labor not included.
 - All Labor and Labor Warranty not included.
 - See quote for additional clarifications / exclusions and scope by others to be coordinated with bid documents.
- 6.) Award Purchase Order associated with the Electrical Pre-Purchase (Main Switchboard) Scope of work in an amount **not to exceed \$39,600** (Thirty-Nine Thousand, Six Hundred Dollars and Zero Cents) to LeVangie Electric. The scope of work to be awarded encompasses the work found in the Early Package #3 Plans and Specifications dated July 12, 2019 along with Addendums #1, #2, and #3, and as defined by the attached **Electrical Pre-Purchase Scope of Work - Rev 1 dated July 26, 2019 and attached proposal dated 8/5/19.**
- Qualifications:
 - Siemens – Acceptable Manufacturer per Specification.
 - Coordinate Electrical subcontractor and other trade requirements with submittal.

- Reference quote and submittal for accessories included.
- Exclusions:
 - Reference Siemens quote for terms and conditions.
 - Equipment testing not included.
 - Labor not included.
 - All Labor and Labor Warranty not included.
 - See quote for additional clarifications / exclusions and scope by others to be coordinated with bid documents.

***Supply quotes assume award in the next 30 days.

WTR solicited bids from 11 Curtain Wall / Storefront Subcontractors, 5 Elevator Subcontractors, 4 Masonry Suppliers, 5 Electrical Subcontractors, and 4 RTU/HV Vendors for a total of **29** subcontractors associated with the EP #3 Bid Package. The Proposals for this scope of work were received from **20** subcontractors/suppliers/vendors for the qualified scopes of work as indicated in the table below and includes work included in the Early Package #3 Curtain Wall/Storefront, Elevator, Masonry Material Procurement, Switchboard Pre-Purchase, and RTU/HV Pre-Purchase base scope (See EP #3 leveling sheets and attached backup):

Curtain Wall / Storefront Subcontractor Name	Amount	Remarks
A&A Window Products	\$1,559,000.00	0% M/WBE
Sunrise Erectors	\$1,676,610.00	10% M/WBE
Cherry Hill Glass	\$1,736,020.00	7.28% M/WBE
Salem Glass Company	\$1,888,675.00	0% M/WBE
Kapiloffs Glass	\$1,908,950.00	0% M/WBE
R&R Glass	\$2,261,364.00	10.4% M/WBE

Elevator Subcontractor Name	Amount	Remarks
KONE	\$150,476.00	0% M/WBE
Stanley Elevator	\$158,984.00	0% M/WBE
Schindler Elevators	\$160,000.00	0% M/WBE
Delta Beckwith	\$178,500.00	0% M/WBE
Eagle Elevator	NO BASE BID	0% M/WBE

Masonry (Brick) Supplier Name	Amount	Remarks
Consolidated Brick (KF/Redland)	\$119,997.00	100% M/WBE
Spaulding Brick (GlenGeary)	\$129,929.00	0% M/WBE
Spaulding Brick (WatsonTown)	\$136,001.00	0% M/WBE
Tri-State Brick (Continental)	\$142,719.00	0% M/WBE

Masonry (CMU) Supplier Name	Amount	Remarks
Mack Brick Co. (WestBricks)	\$198,852.00	0% M/WBE
Consolidated Brick (KF/Redland)	\$276,651.00	100% M/WBE
Spaulding Brick (Shouldice)	\$325,796.00	0% M/WBE
Tri-State Brick (Continental)	NO BID	0% M/WBE

HVAC Sub / Supplier Name	Amount	Remarks
HTS (Valent)	\$578,250.00	0% M/WBE
Buckley Associates, Inc. (Greenheck)	\$606,560.00	0% M/WBE
Trumbull Cambell Associates, Inc. (AAON)	\$607,732.00	0% M/WBE

Electrical Sub / Supplier Name	Amount	Remarks
LeVangie Electric	\$40,480.00 (current quote)	0% M/WBE
Jupiter Electric	\$47,750.00	0% M/WBE
Annese Electric	\$58,800.00	0% M/WBE
WJGEI	NO BID	0% M/WBE
Systems Contracting	NO BID	0% M/WBE

Attached to this letter for your reference please find the EP #3 bid quote leveling sheet, the bid forms, and the scope of work definition sheets related to this recommendation.

The Additional Scope and allowance amounts shall be carried as separate line items on the interim GMP.

Exclusions / Qualifications:

- Exclusions and qualifications have been listed for each individual procurement item. Reference attached leveling sheets, scope sheets, and quotes.

The attached Scope of Work Definition Sheet, including questions and answers throughout the bidding, defining the exact scope of work associated with this bid package and shall be the first recourse in resolving any disputes or questions about scope of work.

Very truly yours,
 W. T. RICH COMPANY, INC.



Brian Paradee
 Project Manager

SRR /Enclosure
 cc: JR, AC, CS, CH, RD, DM, DL, PB, AU
 EP #3 Curtain Wall / Storefront, Elevator, Main Switchboard Supply, RTU Supply, Masonry Supply – Letter of Recommendation 8.12.2019

Dore and Whittier Management Partners, LLC
 260 Merrimac Street
 Bldg. 7
 Newburyport, MA 01950

Avi Urbas
 Director of Finance
 36 Lincoln Street
 Manchester-by-the-sea, MA 01944

Invoice number 00027
 Date 07/29/2019

Project 17-0114 MANCHESTER ESSEX
 MEMORIAL ELEMENTARY SCHOOL

Description	Contract Amount	Prior Billed	Current Billed	Remaining	Total Billed
Designer Selection and Feasibility	105,000.00	105,000.00	0.00	0.00	105,000.00
Amendment #1	7,040.00	7,040.00	0.00	0.00	7,040.00
Schematic Design	50,000.00	50,000.00	0.00	0.00	50,000.00
Design Development	102,361.00	102,361.00	0.00	0.00	102,361.00
Construction Documents	87,864.00	62,760.00	12,552.00	12,552.00	75,312.00
Bidding	58,576.00	0.00	0.00	58,576.00	0.00
Construction Administration	1,567,114.00	0.00	54,038.00	1,513,076.00	54,038.00
Close Out	102,361.00	0.00	0.00	102,361.00	0.00
Extra Services	19,332.50	0.00	19,332.50	0.00	19,332.50
Printing	1,118.52	1,084.16	0.00	34.36	1,084.16
Total	2,100,767.02	328,245.16	85,922.50	1,686,599.36	414,167.66

Invoice total **85,922.50**

Aging Summary

Invoice Number	Invoice Date	Outstanding	Current	Over 30	Over 60	Over 90	Over 120
00026	06/26/2019	12,552.00		12,552.00			
00027	07/29/2019	85,922.50	85,922.50				
	Total	98,474.50	85,922.50	12,552.00	0.00	0.00	0.00

FALVEY ASSOCIATES

15 Clarridge Circle
 Milford, MA 01757

Phone: (508)328-8789
Fax:
E-mail: dfalvey50@yahoo.com

INVOICE

INVOICE #: 1947
Date: July 1, 2019
Customer ID: D&W

Bill To: Dore and Whittier
 #7-2 Merrimac St.
 Newburyport, MA 01950

JOB#:
LOCATION: Manchester Memorial Elementary School

Date		Description	Payment	Balance
7/1/2019		Preconstruction		
		Surveys for the		
		Manchester Elementary		
		School Project		
		Price Includes:		
		Travel, Time, Material,		
		Labor, Tolls, Mileage		
		Site Inspections		
		Mailing & Delivery Fees		
		Video Storage Fees		
			Total	\$17,575.00

Reminder: Please include the statement number on your check.

DWMP 10%	\$1,757.50
Total	\$19,332.50

INVOICE

AN EMPLOYEE OWNED COMPANY

July 31, 2019
 Project No: B17046.01
 Invoice No: 000000024

Avi Urbas
 Manchester-Essex Regional School District
 c/o Dore & Whittier, Inc.
 260 Merrimac Street
 Building 7
 Newburyport, MA 01950

Project B17046.01 Manchester Memorial ES DD-CA
 E-mail invoice:
 rdonner@DoreandWhittier.com
 cshefferman@doreandwhittier.com
 urbasa@mersd.org
 buckleye@mersd.org

Professional Services through July 31, 2019

Phase	00	Base Fee			
Fee					
Billing Phase	Fee	Percent Complete	Earned	Current Fee Billing	
Design Documents	1,165,500.00	100.00	1,165,500.00	0.00	
Construction Documents	1,750,000.00	71.4286	1,250,000.00	250,000.00	
Bidding	170,000.00	0.00	0.00	0.00	
Construction Administration	1,345,000.00	3.4483	46,379.00	46,379.00	
Close Out	192,000.00	0.00	0.00	0.00	
Amendment #4 Haz Mat Survey	34,413.50	67.1065	23,093.69	0.00	
Amendment #4 Phase II Env Services	40,194.00	44.1743	17,755.43	1,600.50	
Amendment #4 Geotechnical Services	105,066.50	38.7049	40,665.90	471.90	
Amendment #4 LEED Registration Fee	1,200.00	0.00	0.00	0.00	
Total Fee	4,803,374.00		2,543,394.02	298,451.40	
		Previous Fee Billing	2,244,942.62		
		Total Fee			298,451.40
			Total this Phase		\$298,451.40

Phase	07	Reimbursable Expenses			
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Consultants

Printing Expense

3/19/2019	Samiotes Consultants, Inc.	Materials for Distribution for Con Comm & Plan Board	642.95	
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Total Consultants		1.0 times	642.95	642.95
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Total this Phase	\$642.95
-------------------------	-----------------

Total this Invoice	<u><u>\$299,094.35</u></u>
---------------------------	-----------------------------------

Invoice

CDW CONSULTANTS, INC.
Terms: Due upon Receipt; (508) 875-2657
Remit payment to: 6 Huron Drive
Natick, MA 01760

JCJ ARCHITECTURE
 ATTN: ACCOUNTING
 120 HUYSHOPE AVENUE
 SUITE 400
 HARTFORD, CT 06106

July 9, 2019
 Project No: 01838.00
 Invoice No: 0000004

Project 01838.00 JCJ MANCHESTER ELEM SCHL PHASE II ESA
 MANCHESTER - ESSEX SCHOOL REGIONAL DISTRICT, MANCHESTER-BY-THE-SEA, MA. JCJ PROJECT NO: B17046.00

Professional Services from June 2, 2019 to June 29, 2019

Task	00001	PHASE II LIMITED SUBSURFACE INVEST.		
Professional Personnel				
		Hours	Rate	Amount
	AMSEL, SHELBY	1.00	75.00	75.00
	SOUZA, PIETRA	1.00	75.00	75.00
	Totals	2.00		150.00
	Total Labor			150.00
			Total this Task	\$150.00

Task	00003	PHASE II LMTD. SUBSURFACE INVEST. RPT.		
Professional Personnel				
		Hours	Rate	Amount
	BETTERS, WILLIAM	4.00	175.00	700.00
	CAHALAN, SUSAN	4.00	125.00	500.00
	SUNDQUIST, ALAN	1.00	105.00	105.00
	Totals	9.00		1,305.00
	Total Labor			1,305.00
			Total this Task	\$1,305.00
			Total this Invoice	\$1,455.00

Billings to date		Current	Prior	Total	Received	AR Balance
Labor		1,455.00	5,550.00	7,005.00		
Consultant		0.00	8,781.30	8,781.30		
Expense		0.00	355.00	355.00		
Total		1,455.00	14,686.30	16,141.30	12,806.73	3,334.57

Phase II Env Services
 CDW 1,455.00
 JW 10% 145.50
1,600.50



LGCI

Lahlaf Geotechnical Consulting, Inc.
 100 Chelmsford Road
 Suite 2
 Billerica, MA 01862
 Phone: (978) 330-5912
 Fax: (978) 330-5056
 E-mail: LGCI@LGCinc.net

Invoice

Date:	7/9/2019
Invoice No.:	1739-05
Invoice for period ending:	6/30/2019

Bill To

Debi McDonald
 JCJ Architecture, P.C.
 One State Street
 Suite 900
 Boston, MA 02109

Terms	Client No.	Project Name	Project Number	Location
Net 30	0660	Manchester Memorial E.S.	1739	Manchester-by-the-Sea, MA
Description		Qty	Rate	Amount
Services billed per LGCI Proposal No. 18062				
Design Phase Services Consultation including Conference Call with Senior Engineer and additional hours on Slope Stability Analysis		3.25	132.00	429.00
<i>Geotechnical Services</i> <i>Lahlaf 429.00</i> <i>JCJ 10% 42.90</i> <hr style="width: 10%; margin: 0 auto;"/> <i>471.90</i>				
Make check payable to Lahlaf Geotechnical Consulting, Inc.			Total due this invoice	\$429.00

Invoice



Samiotes Consultants, Inc.
Civil Engineering + Land Surveying
20 A Street
Framingham, MA 01701
T 508.877.6688
www.samiotes.com

JCJ Architecture
Attn: Debi McDonald
One State Street, Suite 900
Boston, MA 02109

March 18, 2019
Project No: 17136.00
Invoice No: 16984

Project 17136.00 Manchester Memorial Elementary School - Manchester-by-the-Sea, MA (Civil)

PAPERLESS BILLING CLIENT Email To: Debi McDonald DMcDonald@icj.com; ; accounting@icj.com

Professional Services from February 1, 2019 to February 28, 2019

Task 99 Reimbursable Expenses*

Reimbursable Expenses

Postage

2/25/2019	Abutters Notices Certified Mail	625.60	
2/25/2019	DEP	.50	
2/25/2019	Certified Mail - DEP	16.85	
	Delivarables		

Total Reimbursables 642.95 642.95

Total this Task \$642.95

Total this Invoice \$642.95

Outstanding Invoices

Number	Date	Balance
16823	1/15/2019	5,625.00
16908	2/21/2019	23,225.00
16983	3/18/2019	19,775.00
Total		48,625.00

MONTHLY POSTAGE USAGE for

January 2019 - February 2019

Postage Meter Balance	Date	SCI Job #	Task #	Non-Billable	Postage Applied \$	Addressee Name
-----------------------	------	-----------	--------	--------------	--------------------	----------------

✓	2/25/19	17136.00	99		6.80 x 92	certified mail
\$223.00	2/25/19	17136.00	99		.50	certified mail DEP
					\$6.80 x 92 = \$ 625.60	

17136.00

=====

FRAMINGHAM -
 330 COCHITUATE RD
 FRAMINGHAM
 MA
 01701-9998
 2427880500
 02/25/2019 (800)275-8777 2:30 Pr

=====

Product Description	Sale Qty	Final Price
1-Day (Domestic) (WILMINGTON, MA 01887) (Weight:5 Lb 2.90 Oz) (Expected Delivery Date) (Tuesday 02/25/2019)	1	\$10.55
certified (USPS Certified Mail #) (70162710000097549097)	1	\$3.50
return receipt (USPS Return Receipt #) (9590940244448248281379)	1	\$2.80
		\$16.85
		\$20.00
Charge		(\$3.15)

insures up to \$50 insurance

your tracking number to 28777
 to get the latest status.
 and Message and Data rates may
 You may also visit www.usps.com
 tracking or call 1-800-222-1811.

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APPLICATION AND CERTIFICATION FOR PAYMENT

AIA DOCUMENT G702

PAGE ONE OF

PAGES 1

TO OWNER: Manchester Essex Regional School District
 36 Lincoln Street
 Manchester-by-the-Sea, MA 01944

PROJECT: Manchester Elementary School
 43 Lincoln Street
 Manchester-by-the-Sea, MA 01944

FROM CONSTRUCTION MANAGER: W.T. Rich Company
 29 Crafts Street, Suite 300
 Newton, MA 02458

VIA ARCHITECT: JCJ Architecture
 1 State St #900
 Boston, MA 02109

APPLICATION NO: **Requisition #02**

PERIOD FROM: **07/01/19**

PERIOD TO: **07/31/19**

MSBA PROJECT NO.: **201506980010**

CONTRACT DATE: **12/13/18**

Distribution to:

<input type="checkbox"/>	OWNER
<input type="checkbox"/>	ARCHITECT
<input type="checkbox"/>	CONTRACTOR
<input type="checkbox"/>	
<input type="checkbox"/>	

CONTRACTOR'S APPLICATION FOR PAYMENT

Application is made for payment, as shown below, in connection with the Contract. Continuation Sheet, AIA Document G703, is attached.

1. ORIGINAL OR AMENDED GMP (Excludes Precon)
 2. Net change by Change Orders
 3. CONTRACT SUM TO DATE (Line 1 ± 2) \$ 13,022,492.00
 4. TOTAL COMPLETED & STORED TO DATE (Column G on G703) \$ 0.00
 5. RETAINAGE:
 a. 5.0% % of Completed Work (Column D + E on G703) \$ 45,319.00
 b. Incl. % of Stored Material (Column F on G703) \$ _____
 Total Retainage (Lines 5a + 5b or Total in Column I of G703) \$ 45,319.00
 6. TOTAL EARNED LESS RETAINAGE (Line 4 Less Line 5 Total) \$ 861,067.00
 7. LESS PREVIOUS CERTIFICATES FOR PAYMENT (Line 6 from prior Certificate) \$ 226,870.00
 8. CURRENT PAYMENT DUE \$ 634,197.00
 9. BALANCE TO FINISH, INCLUDING RETAINAGE (Line 3 less Line 6) \$ 12,161,425.00

CHANGE ORDER SUMMARY	ADDITIONS	DEDUCTIONS
Change Order's Approved in Previous Months by Owner	\$0.00	
Approved This Month	\$0.00	0
Totals	\$0.00	
Net Change by Change Orders	\$0.00	

OTHER (If Applicable):

By: _____ **Date:** _____

The undersigned Contractor certifies that to the best of the Contractor's knowledge, information and belief the Work covered by this Application for Payment has been completed in accordance with the Contract Documents, that all amounts have been paid by the Contractor for Work for which previous Certificates for Payment were issued and payments received from the Owner, and that current payment shown herein is now due.

CONTRACTOR: **W.T. RICH COMPANY**

By: Jon Rich, CEO Date: 8/2/19

Subscribed and sworn to before me this 2nd Day of August, 2019

Notary Public: Michael Young
 My Commission expires: 10.17.25

ARCHITECT'S CERTIFICATE FOR PAYMENT

In accordance with the Contract Documents, based on on-site observations and the data comprising the application, the Architect certifies to the Owner that to the best of the Architect's knowledge, information and belief the Work has progressed as indicated, the quality of the Work is in accordance with the Contract Documents, and the Contractor is entitled to payment of the AMOUNT CERTIFIED.

AMOUNT CERTIFIED \$ 634,197

(Attach explanation if amount certified differs from the amount applied. Initial all figures on this Application and on the Continuation Sheet that are changed to c

ARCHITECT:

By: _____ Date: _____

This Certificate is not negotiable. The AMOUNT CERTIFIED is payable only to the Contractor named herein. Issuance, payment and acceptance of payment are without prejudice to any rights of the Owner or Contractor under this Contract.

CONTINUATION SHEET

AIA DOCUMENT G703

AIA Document G702, APPLICATION AND CERTIFICATION FOR PAYMENT, containing

Contractor's signed certification is attached.

In tabulations below, amounts are stated to the nearest dollar.

Use Column I on Contracts where variable retainage for line items may apply.

APPLICATION NO: Requisition #02

APPLICATION DATE: 07/31/19

PERIOD TO: 07/31/19

PROJECT NO: 201506980010

A	B	C	D	E	F	G	H	I	J
Division	DESCRIPTION	ORIGINAL SCHEDULE OF VALUES	FROM PREVIOUS APPLICATION	THIS PERIOD	MATERIALS PRESENTLY STORED (NOT IN F OR G)	TOTAL COMPLETED AND STORED TO DATE (G+H+I)	% (J÷F)	BALANCE TO FINISH (F - J)	RETAINAGE (IF VARIABLE RATE)
		Codes	MSBA COST CODE						
	Pre-Construction Services								
01	CM Fee	Under Separate Budget \$ 260,450		\$ 18,232	\$ -	\$ 18,232	7%	\$ 242,218	\$ -
01	Bonds and Insurane	\$ 201,955		\$ 18,720	\$ -	\$ 18,720	9%	\$ 183,235	\$ 936
01	Permitting	\$ 35,000		\$ -	\$ -	\$ -	0%	\$ 35,000	\$ -
01	CM Contingency (Balance)	\$ 172,834		\$ -	\$ -	\$ -	0%	\$ 172,834	\$ -
01	General Conditions	\$ 612,191		\$ 102,032	\$ -	\$ 102,032	17%	\$ 510,159	\$ 5,102
01	General Requirements	\$ 217,775		\$ 36,569	\$ -	\$ 36,569	17%	\$ 181,206	\$ 1,828
01	GMP Allowances	\$ 249,275	\$ 6,516	\$ 21,244	\$ -	\$ 27,760	11%	\$ 221,515	\$ 1,388
02	Existing Conditions	\$ 2,125,380	\$ 232,295	\$ 236,778	\$ -	\$ 469,073	22%	\$ 1,656,307	\$ 23,454
03	Concrete	\$ 2,125,000	\$ -	\$ -	\$ -	\$ -	0%	\$ 2,112,824	\$ -
04	Masonry	\$ -	\$ -	\$ -	\$ -	\$ -	-	\$ -	\$ -
05	Metals	\$ 3,050,000	\$ -	\$ -	\$ -	\$ -	0%	\$ 3,050,000	\$ -
06	Interior Architectural Woodwork & Casework	\$ -	\$ -	\$ -	\$ -	\$ -	-	\$ -	\$ -
07	Thermal and Moisture Protection	\$ -	\$ -	\$ -	\$ -	\$ -	-	\$ -	\$ -
08	Openings	\$ -	\$ -	\$ -	\$ -	\$ -	-	\$ -	\$ -
09	Finishes	\$ -	\$ -	\$ -	\$ -	\$ -	-	\$ -	\$ -
10	Specialties	\$ -	\$ -	\$ -	\$ -	\$ -	-	\$ -	\$ -
11	Equipment	\$ -	\$ -	\$ -	\$ -	\$ -	-	\$ -	\$ -
12	Furnishings	\$ -	\$ -	\$ -	\$ -	\$ -	-	\$ -	\$ -
14	Elevators	\$ -	\$ -	\$ -	\$ -	\$ -	-	\$ -	\$ -
21	Fire Suppression	\$ -	\$ -	\$ -	\$ -	\$ -	-	\$ -	\$ -
22	Plumbing	\$ -	\$ -	\$ -	\$ -	\$ -	-	\$ -	\$ -
23	HVAC	\$ -	\$ -	\$ -	\$ -	\$ -	-	\$ -	\$ -
26	Electrical	\$ -	\$ -	\$ -	\$ -	\$ -	-	\$ -	\$ -
31	Sitework	\$ 3,972,632	\$ -	\$ 234,000	\$ -	\$ 234,000	6%	\$ 3,276,632	\$ 11,700
32	Exterior Improvments	\$ -	\$ -	\$ -	\$ -	\$ 0	-	\$ -	\$ -
33	Utilities	\$ -	\$ -	\$ -	\$ -	\$ 0	-	\$ -	\$ -
0	Change Orders	\$ -	\$ -	\$ -	\$ -	\$ -	-	\$ -	\$ -
	TOTAL CONSTRUCTION COST	\$ 13,022,492	\$ 238,811	\$ 667,575	\$ -	\$ 906,386	7%	\$ 11,641,930	\$ 44,408

AIA Document G702, APPLICATION AND CERTIFICATION FOR PAYMENT, containing Contractor's signed certification is attached.

In tabulations below, amounts are stated to the nearest dollar.

Use Column I on Contracts where variable retainage for line items may apply.

APPLICATION NO: Requisition #02
 APPLICATION DATE: 07/31/19
 PERIOD TO: 07/31/19
 PROJECT: 201506980010

A ITEM NO.	B DESCRIPTION	C		D	E		F MATERIALS PRESENTLY STORED	G TOTAL COMPLETED AND STORED TO DATE	H %	I BALANCE TO FINISH	J RETAINAGE (IF VARIABLE RATE)
		ORIGINAL SCHEDULE OF VALUES	FROM PREVIOUS APPLICATION		THIS PERIOD						
102	Demobilization-Abatement	\$ 7,000	-	\$ -	-	\$ -	-	\$ -	0.00%	\$ 7,000	-
103	Mobilization-Demolition	\$ 15,000	-	\$ -	-	\$ -	-	\$ -	0.00%	\$ 15,000	-
104	Demobilization-Demolition	\$ 10,500	-	\$ -	-	\$ -	-	\$ -	0.00%	\$ 10,500	-
105	Temporary Barricades/Partitions	\$ 20,000	-	\$ -	-	\$ -	-	\$ -	0.00%	\$ 20,000	-
106	Temporary Walkways/Access	\$ 25,000	-	\$ -	-	\$ -	-	\$ -	0.00%	\$ 25,000	-
107	Construction Power	\$ 30,000	-	\$ -	-	\$ -	-	\$ -	0.00%	\$ 30,000	-
108	Stormwater Management	\$ 30,000	-	\$ -	-	\$ -	-	\$ -	0.00%	\$ 30,000	-
109	Site Fencing	\$ 20,000	-	\$ -	-	\$ -	-	\$ -	0.00%	\$ 20,000	-
110	Site and Roadway Prep	\$ 11,237	-	\$ -	-	\$ -	-	\$ -	0.00%	\$ 11,237	-
111	Stripping and Off-Site Disposal of Loam	\$ 7,000	-	\$ -	-	\$ -	-	\$ -	0.00%	\$ 7,000	-
112	Removal, Pulverizing and Stockpiling of Asphalt and Sidewalks	\$ 18,000	-	\$ -	-	\$ -	-	\$ -	0.00%	\$ 18,000	-
113	Asbestos Abatement-Preparations A-Wing	\$ 25,000	-	\$ -	-	\$ -	-	\$ -	0.00%	\$ 25,000	-
114	Asbestos Abatement-Interior Ground Level A-Wing	\$ 20,000	-	\$ -	-	\$ -	-	\$ -	0.00%	\$ 20,000	-
115	Asbestos Abatement-Crawlspace A-Wing	\$ 17,000	-	\$ -	-	\$ -	-	\$ -	0.00%	\$ 17,000	-
116	Asbestos Abatement-Exterior, A-Wing	\$ 24,000	-	\$ -	-	\$ -	-	\$ -	0.00%	\$ 24,000	-
117	Asbestos Abatement-Preparations B-Wing	\$ 25,000	-	\$ -	-	\$ -	-	\$ -	0.00%	\$ 25,000	-
118	Asbestos Abatement-Interior Ground Level B-Wing	\$ 20,000	-	\$ -	-	\$ -	-	\$ -	0.00%	\$ 20,000	-
119	Asbestos Abatement-Crawlspace B-Wing	\$ 17,000	-	\$ -	-	\$ -	-	\$ -	0.00%	\$ 17,000	-
120	Asbestos Abatement-Exterior, B-Wing	\$ 24,000	-	\$ -	-	\$ -	-	\$ -	0.00%	\$ 24,000	-
121	Regulated Hazardous Materials	\$ 8,000	-	\$ -	-	\$ -	-	\$ -	0.00%	\$ 8,000	-
122	Building Separation A-Wing	\$ 12,000	-	\$ -	-	\$ -	-	\$ -	0.00%	\$ 12,000	-
123	Building Separation B-Wing	\$ 12,000	-	\$ -	-	\$ -	-	\$ -	0.00%	\$ 12,000	-
124	Building Demolition-Above Grade A-Wing	\$ 55,000	-	\$ -	-	\$ -	-	\$ -	0.00%	\$ 55,000	-
125	Building Demolition-Above Grade B-Wing	\$ 55,000	-	\$ -	-	\$ -	-	\$ -	0.00%	\$ 55,000	-
126	Building Demolition-Slab and Foundations A-Wing	\$ 40,000	-	\$ -	-	\$ -	-	\$ -	0.00%	\$ 40,000	-
127	Building Demolition-Slab and Foundations B-Wing	\$ 40,000	-	\$ -	-	\$ -	-	\$ -	0.00%	\$ 40,000	-
128		\$ -	-	\$ -	-	\$ -	-	\$ -	-	\$ -	-
129	Phase 3-2021										
130	Project Submittals	\$ 10,000	-	\$ -	-	\$ -	-	\$ -	0.00%	\$ 10,000	-
131	LEED-5%	\$ 4,608	-	\$ -	-	\$ -	-	\$ -	0.00%	\$ 4,608	-
132	Daily Clean-up-2%	\$ 18,434	-	\$ -	-	\$ -	-	\$ -	0.00%	\$ 18,434	-
133	Closeout-1%	\$ 9,220	-	\$ -	-	\$ -	-	\$ -	0.00%	\$ 9,220	-
134	Mobilization-Abatement	\$ 10,000	-	\$ -	-	\$ -	-	\$ -	0.00%	\$ 10,000	-
135	Demobilization-Abatement	\$ 7,000	-	\$ -	-	\$ -	-	\$ -	0.00%	\$ 7,000	-
136	Mobilization-Demolition	\$ 15,000	-	\$ -	-	\$ -	-	\$ -	0.00%	\$ 15,000	-
137	Demobilization-Demolition	\$ 10,500	-	\$ -	-	\$ -	-	\$ -	0.00%	\$ 10,500	-
138	Site Fencing	\$ 20,000	-	\$ -	-	\$ -	-	\$ -	0.00%	\$ 20,000	-
139	Site and Roadway Prep	\$ 11,237	-	\$ -	-	\$ -	-	\$ -	0.00%	\$ 11,237	-
140	Stripping and Off-Site Disposal of Loam	\$ 7,000	-	\$ -	-	\$ -	-	\$ -	0.00%	\$ 7,000	-
141	Removal, Pulverizing and Stockpiling of Asphalt and Sidewalks	\$ 18,000	-	\$ -	-	\$ -	-	\$ -	0.00%	\$ 18,000	-
142	Asbestos Abatement-Preparations D-Wing	\$ 30,000	-	\$ -	-	\$ -	-	\$ -	0.00%	\$ 30,000	-
143	Asbestos Abatement-Interior Ground Level D-Wing	\$ 25,000	-	\$ -	-	\$ -	-	\$ -	0.00%	\$ 25,000	-
144	Asbestos Abatement-Crawlspace D-Wing	\$ 18,000	-	\$ -	-	\$ -	-	\$ -	0.00%	\$ 18,000	-
145	Asbestos Abatement-Exterior, D-Wing	\$ 20,000	-	\$ -	-	\$ -	-	\$ -	0.00%	\$ 20,000	-
146	Asbestos Abatement-Preparations-Gym/Aud/Café/Etc	\$ 100,000	-	\$ -	-	\$ -	-	\$ -	0.00%	\$ 100,000	-
147	Asbestos Abatement-Interior Ground Level-Gym/Aud/Café	\$ 85,621	-	\$ -	-	\$ -	-	\$ -	0.00%	\$ 85,621	-
148	Asbestos Abatement-Crawlspace-Gym/Aud/Café/etc	\$ 40,000	-	\$ -	-	\$ -	-	\$ -	0.00%	\$ 40,000	-
149	Asbestos Abatement-Exterior, Gym/Aud/Café/Etc.	\$ 50,000	-	\$ -	-	\$ -	-	\$ -	0.00%	\$ 50,000	-
150	Asbestos Abatement-Roof Gym	\$ 60,000	-	\$ -	-	\$ -	-	\$ -	0.00%	\$ 60,000	-
151	Regulated Hazardous Materials	\$ 15,000	-	\$ -	-	\$ -	-	\$ -	0.00%	\$ 15,000	-
152	Building Demolition-Above Grade D-Wing	\$ 65,000	-	\$ -	-	\$ -	-	\$ -	0.00%	\$ 65,000	-
153	Building Demolition-Above Grade Gym/Aud/Café/etc	\$ 115,000	-	\$ -	-	\$ -	-	\$ -	0.00%	\$ 115,000	-
154	Building Demolition-Slab and Foundations D-Wing	\$ 40,000	-	\$ -	-	\$ -	-	\$ -	0.00%	\$ 40,000	-

CONTINUATION SHEET

AIA DOCUMENT G703

AIA Document G702, APPLICATION AND CERTIFICATION FOR PAYMENT, containing

Contractor's signed certification is attached.

In tabulations below, amounts are stated to the nearest dollar.

Use Column I on Contracts where variable retainage for line items may apply.

APPLICATION NO: Requisition #02
 APPLICATION DATE: 07/31/19
 PERIOD TO: 07/31/19
 PROJECT: 201506980010

A ITEM NO.	B DESCRIPTION	C		D	E		F MATERIALS PRESENTLY STORED	G TOTAL COMPLETED AND STORED TO DATE	H %	I BALANCE TO FINISH	J RETAINAGE (IF VARIABLE RATE)
		ORIGINAL SCHEDULE OF VALUES	FROM PREVIOUS APPLICATION		THIS PERIOD						
208	Phase 1	\$ 48,000			\$ -	\$ -		\$ -	0.00%	\$ 48,000	\$ -
209	Phase 2	\$ 31,000			\$ -	\$ -		\$ -	0.00%	\$ 31,000	\$ -
210	Phase 3	\$ 21,000			\$ -	\$ -		\$ -	0.00%	\$ 21,000	\$ -
211	Mesh Materials				\$ -	\$ -		\$ -	-	\$ -	\$ -
212	Phase 1	\$ 12,000			\$ -	\$ -		\$ -	0.00%	\$ 12,000	\$ -
213	Phase 2	\$ 10,000			\$ -	\$ -		\$ -	0.00%	\$ 10,000	\$ -
214	Phase 3	\$ 8,000			\$ -	\$ -		\$ -	0.00%	\$ 8,000	\$ -
215	Rebar Install				\$ -	\$ -		\$ -	-	\$ -	\$ -
216	Phase 1	\$ 45,000			\$ -	\$ -		\$ -	0.00%	\$ 45,000	\$ -
217	Phase 2	\$ 30,000			\$ -	\$ -		\$ -	0.00%	\$ 30,000	\$ -
218	Phase 3	\$ 25,000			\$ -	\$ -		\$ -	0.00%	\$ 25,000	\$ -
219	Mesh Install				\$ -	\$ -		\$ -	-	\$ -	\$ -
220	Phase 1	\$ 12,000			\$ -	\$ -		\$ -	0.00%	\$ 12,000	\$ -
221	Phase 2	\$ 10,000			\$ -	\$ -		\$ -	0.00%	\$ 10,000	\$ -
222	Phase 3	\$ 8,000			\$ -	\$ -		\$ -	0.00%	\$ 8,000	\$ -
223	Winter Conditions	\$ 20,000			\$ -	\$ -		\$ -	0.00%	\$ 20,000	\$ -
224					\$ -	\$ -		\$ -			
225					\$ -	\$ -		\$ -			
226					\$ -	\$ -		\$ -			
227					\$ -	\$ -		\$ -			
228					\$ -	\$ -		\$ -			
229					\$ -	\$ -		\$ -			
230					\$ -	\$ -		\$ -			
231					\$ -	\$ -		\$ -			
232					\$ -	\$ -		\$ -			
233					\$ -	\$ -		\$ -			
234					\$ -	\$ -		\$ -			
235					\$ -	\$ -		\$ -			
236					\$ -	\$ -		\$ -			
237					\$ -	\$ -		\$ -			
238					\$ -	\$ -		\$ -			
239					\$ -	\$ -		\$ -			
240					\$ -	\$ -		\$ -			
241	Bond	\$ 35,000			\$ 35,000	\$ -		\$ 35,000	100.00%	\$ -	\$ 1,750
242	Shop Drawings & Submittals	\$ 15,000			\$ 7,500	\$ -		\$ 7,500	50.00%	\$ -	\$ 375
243	Mobilization	\$ 25,000			\$ 25,000	\$ -		\$ 25,000	100.00%	\$ -	\$ 1,250
244	Install Sanitary Sewer By-pass	\$ 25,000			\$ 25,000	\$ -		\$ 25,000	100.00%	\$ -	\$ 1,250
245	Construct Temporary Playground & ADA Walk to Pre-K	\$ 25,000			\$ -	\$ -		\$ -	0.00%	\$ 25,000	\$ -
246	EARTHWORK				\$ -	\$ -		\$ -	-	\$ -	\$ -
247	Import Material Column Line 1-4 EL. 17-20	\$ 25,000			\$ 25,000	\$ -		\$ 25,000	100.00%	\$ -	\$ 1,250
248	Place Material Column Line 1-4 EL. 17-20	\$ 25,000			\$ -	\$ -		\$ -	0.00%	\$ 25,000	\$ -
249	Import Material Column Line 1-4 EL. 20-22	\$ 18,000			\$ -	\$ -		\$ -	0.00%	\$ 18,000	\$ -
250	Grade to EL. 22 Column Line 1-4 EL. 20-22	\$ 25,000			\$ -	\$ -		\$ -	0.00%	\$ 25,000	\$ -
251	Import Material Column Line 4-6	\$ 18,000			\$ 18,000	\$ -		\$ 18,000	100.00%	\$ -	\$ 600
252	Grade to EL. 22 Column Line 4-6	\$ 25,000			\$ 12,000	\$ -		\$ 12,000	48.00%	\$ 13,000	\$ 600
253	Import Material Column Line 6-7 EL. 18-20	\$ 18,000			\$ 18,000	\$ -		\$ 18,000	100.00%	\$ -	\$ 900
254	Place Material Column Line 6-7 EL. 18-20	\$ 25,000			\$ 25,000	\$ -		\$ 25,000	100.00%	\$ -	\$ 1,250
255	Import Material Column Line 6-7 EL. 20-22	\$ 18,000			\$ 18,000	\$ -		\$ 18,000	100.00%	\$ -	\$ 450
256	Grade to EL. 22 Column Line 6-7 EL. 20-22	\$ 25,000			\$ 12,500	\$ -		\$ 12,500	50.00%	\$ 12,500	\$ 625
257	Excavate & Prep Foundations D-Line 10-6	\$ 25,000			\$ -	\$ -		\$ -	0.00%	\$ 25,000	\$ -
258	Excavate & Prep Foundations 10 Line F-N	\$ 25,000			\$ -	\$ -		\$ -	0.00%	\$ 25,000	\$ -
259	Excavate & Prep Foundations N-Line 10-6	\$ 25,000			\$ -	\$ -		\$ -	0.00%	\$ 25,000	\$ -
260	Excavate & Prep Foundations D-Line 6-1	\$ 25,000			\$ -	\$ -		\$ -	0.00%	\$ 25,000	\$ -
SUBTOTAL J.L. Marshall - Concrete (EBP #2)		\$ 2,125,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	0%	\$ 2,112,824	\$ -
Norgate Metal - Structural Steel (EBP #2)		\$ 3,050,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	0.00%	\$ 3,050,000	\$ -
(Division 5)											
SUBTOTAL Norgate Metal - Structural Steel (EBP #2)		\$ 3,050,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	0%	\$ 3,050,000	\$ -
United Civil - Site Work (EBP #2)											
(Division 31)											
PHASE 1											
240	Bond	\$ 35,000			\$ 35,000	\$ -		\$ 35,000	100.00%	\$ -	\$ 1,750
241	Shop Drawings & Submittals	\$ 15,000			\$ 7,500	\$ -		\$ 7,500	50.00%	\$ -	\$ 375
242	Mobilization	\$ 25,000			\$ 25,000	\$ -		\$ 25,000	100.00%	\$ -	\$ 1,250
243	Install Sanitary Sewer By-pass	\$ 25,000			\$ 25,000	\$ -		\$ 25,000	100.00%	\$ -	\$ 1,250
244	Construct Temporary Playground & ADA Walk to Pre-K	\$ 25,000			\$ -	\$ -		\$ -	0.00%	\$ 25,000	\$ -
245	EARTHWORK				\$ -	\$ -		\$ -	-	\$ -	\$ -
246	Import Material Column Line 1-4 EL. 17-20	\$ 25,000			\$ 25,000	\$ -		\$ 25,000	100.00%	\$ -	\$ 1,250
247	Place Material Column Line 1-4 EL. 17-20	\$ 25,000			\$ -	\$ -		\$ -	0.00%	\$ 25,000	\$ -
248	Import Material Column Line 1-4 EL. 20-22	\$ 18,000			\$ -	\$ -		\$ -	0.00%	\$ 18,000	\$ -
249	Grade to EL. 22 Column Line 1-4 EL. 20-22	\$ 25,000			\$ -	\$ -		\$ -	0.00%	\$ 25,000	\$ -
250	Import Material Column Line 4-6	\$ 18,000			\$ 18,000	\$ -		\$ 18,000	100.00%	\$ -	\$ 900
251	Grade to EL. 22 Column Line 4-6	\$ 25,000			\$ 12,000	\$ -		\$ 12,000	48.00%	\$ 13,000	\$ 600
252	Import Material Column Line 6-7 EL. 18-20	\$ 18,000			\$ 18,000	\$ -		\$ 18,000	100.00%	\$ -	\$ 900
253	Place Material Column Line 6-7 EL. 18-20	\$ 25,000			\$ 25,000	\$ -		\$ 25,000	100.00%	\$ -	\$ 1,250
254	Import Material Column Line 6-7 EL. 20-22	\$ 18,000			\$ 18,000	\$ -		\$ 18,000	100.00%	\$ -	\$ 450
255	Grade to EL. 22 Column Line 6-7 EL. 20-22	\$ 25,000			\$ 12,500	\$ -		\$ 12,500	50.00%	\$ 12,500	\$ 625
256	Excavate & Prep Foundations D-Line 10-6	\$ 25,000			\$ -	\$ -		\$ -	0.00%	\$ 25,000	\$ -
257	Excavate & Prep Foundations 10 Line F-N	\$ 25,000			\$ -	\$ -		\$ -	0.00%	\$ 25,000	\$ -
258	Excavate & Prep Foundations N-Line 10-6	\$ 25,000			\$ -	\$ -		\$ -	0.00%	\$ 25,000	\$ -
259	Excavate & Prep Foundations D-Line 6-1	\$ 25,000			\$ -	\$ -		\$ -	0.00%	\$ 25,000	\$ -
260	Excavate & Prep Foundations D-Line 6-1	\$ 25,000			\$ -	\$ -		\$ -	0.00%	\$ 25,000	\$ -

CONTINUATION SHEET
 AIA Document G702, APPLICATION AND CERTIFICATION FOR PAYMENT, containing
 Contractor's signed certification is attached.
 In tabulations below, amounts are stated to the nearest dollar.
 Use Column I on Contracts where variable retainage for line items may apply.

A ITEM NO.	B DESCRIPTION	C ORIGINAL SCHEDULE OF VALUES	D FROM PREVIOUS APPLICATION	E		F MATERIALS PRESENTLY STORED	G TOTAL COMPLETED AND STORED TO DATE	H %	I BALANCE TO FINISH	J RETAINAGE (IF VARIABLE RATE)
				THIS PERIOD						
261	Excavate & Prep Foundations N-Line 6-1	\$ 25,000		\$ -			\$ -	0.00%	\$ 25,000	\$ -
262	Excavate & Prep Foundations 1 Line F-N	\$ 25,000		\$ -			\$ -	0.00%	\$ 25,000	\$ -
263	Excavate & Prep center footings	\$ 25,000		\$ -			\$ -	0.00%	\$ 25,000	\$ -
264	Backfill & Compact Foundation D-Line	\$ 25,000		\$ -			\$ -	0.00%	\$ 25,000	\$ -
265	Backfill & Compact Foundation 10-Line	\$ 15,000		\$ -			\$ -	0.00%	\$ 15,000	\$ -
266	Backfill & Compact Foundation N-Line	\$ 25,000		\$ -			\$ -	0.00%	\$ 25,000	\$ -
267	Backfill & Compact Foundation 1 Line	\$ 15,000		\$ -			\$ -	0.00%	\$ 15,000	\$ -
268	Backfill & Compact center footings	\$ 20,000		\$ -			\$ -	0.00%	\$ 20,000	\$ -
269	Import site fill - Summer St to Column Line 32	\$ 18,000		\$ -			\$ -	0.00%	\$ 18,000	\$ -
270	Place Site Fill - Summer St to Column Line 32	\$ 25,000		\$ -			\$ -	0.00%	\$ 25,000	\$ -
271	Import site fill - Column Line 32 to Column Line 12	\$ 18,000		\$ -			\$ -	0.00%	\$ 18,000	\$ -
272	Place Site Fill - Column Line 32 to Column Line 12	\$ 25,000		\$ -			\$ -	0.00%	\$ 25,000	\$ -
273	Import site fill - Column Line 12 to Column Line 1	\$ 18,000		\$ -			\$ -	0.00%	\$ 18,000	\$ -
274	Place Site Fill - Column Line 12 to Column Line 1	\$ 25,000		\$ -			\$ -	0.00%	\$ 25,000	\$ -
275	Import Site Fill - West of Column Line 1	\$ 25,000		\$ -			\$ -	0.00%	\$ 25,000	\$ -
276	Place Site Fill - West of Column Line 1	\$ 25,000		\$ -			\$ -	0.00%	\$ 25,000	\$ -
277	UTILITIES									
278	Permitting / TS & V / Testing / Flushing / Etc.	\$ 5,000		\$ -			\$ -	0.00%	\$ 5,000	\$ -
279	Excavate Primary DB Pole to Manhole	\$ 25,000		\$ -			\$ -	0.00%	\$ 25,000	\$ -
280	Utility Demo & Removal	\$ 10,000		\$ -			\$ -	0.00%	\$ 10,000	\$ -
281	Install & Pour DB Pole to Manhole	\$ 25,000		\$ -			\$ -	0.00%	\$ 25,000	\$ -
282	Backfill & Patch DB Pole to Manhole	\$ 25,000		\$ -			\$ -	0.00%	\$ 25,000	\$ -
283	Furnish & Install Primary Manhole	\$ 25,000		\$ -			\$ -	0.00%	\$ 25,000	\$ -
284	Excavate Primary DB Manhole to Manhole	\$ 25,000		\$ 12,500			\$ 12,500	50.00%	\$ 12,500	\$ 625
285	Install & Pour DB Manhole to Manhole	\$ 25,000		\$ -			\$ -	0.00%	\$ 25,000	\$ -
286	Backfill & Patch DB Manhole to Manhole	\$ 25,000		\$ -			\$ -	0.00%	\$ 25,000	\$ -
287	Furnish & Install Primary Manhole	\$ 25,000		\$ 12,500			\$ 12,500	50.00%	\$ 12,500	\$ 625
288	Excavate Primary DB Manhole to Switchgear	\$ 25,000		\$ -			\$ -	0.00%	\$ 25,000	\$ -
289	Install & Pour DB Manhole to Switchgear	\$ 25,000		\$ -			\$ -	0.00%	\$ 25,000	\$ -
290	Backfill & Patch DB Manhole to Switchgear	\$ 25,000		\$ -			\$ -	0.00%	\$ 25,000	\$ -
291	Furnish & Install Switchgear Manhole	\$ 25,000		\$ -			\$ -	0.00%	\$ 25,000	\$ -
292	Excavate Underslab Plumbing Area A	\$ 25,000		\$ -			\$ -	0.00%	\$ 25,000	\$ -
293	Backfill Underslab Plumbing Area A	\$ 25,000		\$ -			\$ -	0.00%	\$ 25,000	\$ -
294	Furnish & Install drainage CB-5 to WQU-6	\$ 25,000		\$ -			\$ -	0.00%	\$ 25,000	\$ -
295	Furnish & Install drainage FES-4 to WQU-4	\$ 20,000		\$ -			\$ -	0.00%	\$ 20,000	\$ -
296	Furnish & Install drainage WQU-4 to FES-3	\$ 25,000		\$ -			\$ -	0.00%	\$ 25,000	\$ -
297	Furnish & Install drainage CB-4 to WQU-3	\$ 25,000		\$ -			\$ -	0.00%	\$ 25,000	\$ -
298	Furnish & Install drainage WQU-3 to FES-2	\$ 25,000		\$ -			\$ -	0.00%	\$ 25,000	\$ -
299	Furnish & Install drainage AD-1 to WQU-3	\$ 25,000		\$ -			\$ -	0.00%	\$ 25,000	\$ -
300	Furnish & Install drainage FES-6 to FES-8	\$ 25,000		\$ -			\$ -	0.00%	\$ 25,000	\$ -
301	Replace 34"x24" drain line	\$ 25,000		\$ -			\$ -	0.00%	\$ 25,000	\$ -
302	Furnish & Install sewer SMH-4 to SMH-3	\$ 25,000		\$ -			\$ -	0.00%	\$ 25,000	\$ -
303	Furnish & Install sewer SMH-3 to SMH-2	\$ 25,000		\$ -			\$ -	0.00%	\$ 25,000	\$ -
304	Furnish & Install sewer SMH-2 to SMH-1	\$ 25,000		\$ -			\$ -	0.00%	\$ 25,000	\$ -
305	Furnish & Install sewer SMH-1 to Bldg Tie-in	\$ 15,000		\$ -			\$ -	0.00%	\$ 15,000	\$ -
306	Furnish & Install sewer SMH-1 to Grease Trap	\$ 25,000		\$ -			\$ -	0.00%	\$ 25,000	\$ -
307	Furnish & Install sewer SMH-5 to SMH-6	\$ 15,000		\$ -			\$ -	0.00%	\$ 15,000	\$ -
308	Furnish & Install sewer SMH-6 to Replacement	\$ 25,000		\$ -			\$ -	0.00%	\$ 25,000	\$ -
309	Furnish & Install sewer SMH-5 to Bldg	\$ 10,000		\$ -			\$ -	0.00%	\$ 10,000	\$ -
310	Furnish & Install water Hydrant to 6" Tee	\$ 25,000		\$ -			\$ -	0.00%	\$ 25,000	\$ -
311	Furnish & Install water 6" tie to existing playground	\$ 25,000		\$ -			\$ -	0.00%	\$ 25,000	\$ -
312	Furnish & install water 6" Tee to Summer St.	\$ 25,000		\$ -			\$ -	0.00%	\$ 25,000	\$ -
313	Excavate & backfill gas bldg to exst. Playground	\$ 25,000		\$ -			\$ -	0.00%	\$ 25,000	\$ -

CONTINUATION SHEET

AIA DOCUMENT G703

AIA Document G702, APPLICATION AND CERTIFICATION FOR PAYMENT, containing

Contractor's signed certification is attached.

In tabulations below, amounts are stated to the nearest dollar.

Use Column I on Contracts where variable retainage for line items may apply.

APPLICATION NO: Requisition #02
 APPLICATION DATE: 07/31/19
 PERIOD TO: 07/31/19
 PROJECT: 201506980010

A ITEM NO.	B DESCRIPTION	C ORIGINAL SCHEDULE OF VALUES	D FROM PREVIOUS APPLICATION	E		F MATERIALS PRESENTLY STORED	G TOTAL COMPLETED AND STORED TO DATE	H %	I BALANCE TO FINISH	J RETAINAGE (IF VARIABLE RATE)
				THIS PERIOD						
314	Excavate & backfill ext. playground to Summer St.	\$ 25,000		\$ -			\$ -	0.00%	\$ 25,000	\$ -
315	Excavate Telecom Existing MH to Proposed MH	\$ 25,000		\$ -			\$ -	0.00%	\$ 25,000	\$ -
316	Install & Pour DB Existing MH to Proposed MH	\$ 25,000		\$ 5,000			\$ 5,000	20.00%	\$ 20,000	\$ 250
317	Backfill & Patch Existing MH to Proposed MH	\$ 20,000		\$ -			\$ -	0.00%	\$ 20,000	\$ -
318	Excavate Telecom Proposed MH to Proposed MH	\$ 25,000		\$ -			\$ -	0.00%	\$ 25,000	\$ -
319	Install & Pour DB Proposed MH to Proposed MH	\$ 25,000		\$ 5,000			\$ 5,000	20.00%	\$ 20,000	\$ 250
320	Backfill Telecom Proposed MH to Proposed MH	\$ 20,000		\$ -			\$ -	0.00%	\$ 20,000	\$ -
321	Excavate Telecom Proposed MH to Bldg Tie-in	\$ 15,000		\$ -			\$ -	0.00%	\$ 15,000	\$ -
322	Install & Pour DB Proposed MH to Bldg Tie-in	\$ 15,000		\$ -			\$ -	0.00%	\$ 15,000	\$ -
323	Backfill Telecom Proposed MH to Bldg Tie-in	\$ 10,000		\$ -			\$ -	0.00%	\$ 10,000	\$ -
324	Install site lighting SL-1	\$ 25,000		\$ -			\$ -	0.00%	\$ 25,000	\$ -
325	Install site lighting SL-3 south of building	\$ 25,000		\$ -			\$ -	0.00%	\$ 25,000	\$ -
326	Install site lighting SL-3 west of building	\$ 25,000		\$ -			\$ -	0.00%	\$ 25,000	\$ -
327	Complete Building Utility tie ins	\$ 9,000		\$ -			\$ -	0.00%	\$ 9,000	\$ -
328	PHASE 2	\$ -		\$ -			\$ -	-	\$ -	\$ -
329	Mobilization	\$ 25,000		\$ -			\$ -	0.00%	\$ 25,000	\$ -
330	EARTHWORK	\$ -		\$ -			\$ -	-	\$ -	\$ -
331	Import material column line 10 - 20 (Area B)	\$ 18,000		\$ -			\$ -	0.00%	\$ 18,000	\$ -
332	Grade to EL. 24 column line 10-20 (Area B)	\$ 25,000		\$ -			\$ -	0.00%	\$ 25,000	\$ -
333	Import material column line 20 - 27 (Area B)	\$ 18,000		\$ -			\$ -	0.00%	\$ 18,000	\$ -
334	Grade to EL. 24 column line 20-27 (Area B)	\$ 25,000		\$ -			\$ -	0.00%	\$ 25,000	\$ -
335	Import material column line 27 - 32 (Area B)	\$ 18,000		\$ -			\$ -	0.00%	\$ 18,000	\$ -
336	Grade to EL. 24 column line 27-32 (Area B)	\$ 25,000		\$ -			\$ -	0.00%	\$ 25,000	\$ -
337	Import material column line 10 - 14 (Area C)	\$ 18,000		\$ -			\$ -	0.00%	\$ 18,000	\$ -
338	Grade to EL. 24 column line 10-14 (Area C)	\$ 25,000		\$ -			\$ -	0.00%	\$ 25,000	\$ -
339	Import material column line 14 - 17 (Area C)	\$ 18,000		\$ -			\$ -	0.00%	\$ 18,000	\$ -
340	Grade to EL. 24 column line 14-17 (Area C)	\$ 25,000		\$ -			\$ -	0.00%	\$ 25,000	\$ -
341	Excavate & Prep foundations Z-line (Area B)	\$ 20,000		\$ -			\$ -	0.00%	\$ 20,000	\$ -
342	Excavate & Prep foundations 32-line (Area B)	\$ 20,000		\$ -			\$ -	0.00%	\$ 20,000	\$ -
343	Excavate & Prep foundations GG & FF line (Area B)	\$ 20,000		\$ -			\$ -	0.00%	\$ 20,000	\$ -
344	Excavate & Prep foundations II Line (Area B)	\$ 10,000		\$ -			\$ -	0.00%	\$ 10,000	\$ -
345	Excavate & Prep foundations P-line (Area C)	\$ 25,000		\$ -			\$ -	0.00%	\$ 25,000	\$ -
346	Excavate & Prep foundations 17-line (Area C)	\$ 25,000		\$ -			\$ -	0.00%	\$ 25,000	\$ -
347	Excavate & Prep foundations V & U-Line (Area C)	\$ 15,000		\$ -			\$ -	0.00%	\$ 15,000	\$ -
348	Backfill & Compact foundations Z-line (Area B)	\$ 15,000		\$ -			\$ -	0.00%	\$ 15,000	\$ -
349	Backfill & Compact foundations 32-line (Area B)	\$ 15,000		\$ -			\$ -	0.00%	\$ 15,000	\$ -
350	Backfill & Compact foundations GG & FF line (Area B)	\$ 15,000		\$ -			\$ -	0.00%	\$ 15,000	\$ -
351	Backfill & Compact foundations II Line (Area B)	\$ 15,000		\$ -			\$ -	0.00%	\$ 15,000	\$ -
352	Backfill & Compact foundations P-line (Area C)	\$ 15,000		\$ -			\$ -	0.00%	\$ 15,000	\$ -
353	Backfill & Compact foundations 17-line (Area C)	\$ 15,000		\$ -			\$ -	0.00%	\$ 15,000	\$ -
354	Backfill & Compact foundations V & U-Line (Area C)	\$ 15,000		\$ -			\$ -	0.00%	\$ 15,000	\$ -
355	Import site fill north of Area A	\$ 15,000		\$ -			\$ -	0.00%	\$ 15,000	\$ -
356	Place site fill north of Area A	\$ 25,000		\$ -			\$ -	0.00%	\$ 25,000	\$ -
357	Import site fill at north play area	\$ 25,000		\$ -			\$ -	0.00%	\$ 25,000	\$ -
358	Grade north play area	\$ 25,000		\$ -			\$ -	0.00%	\$ 25,000	\$ -
359	Grade south basin area	\$ 25,000		\$ -			\$ -	0.00%	\$ 25,000	\$ -
360	Grade entrance area	\$ 25,000		\$ -			\$ -	0.00%	\$ 25,000	\$ -
361	Furnish modular block wall material	\$ 25,000		\$ -			\$ -	0.00%	\$ 25,000	\$ -
362	Install modular block wall	\$ 25,000		\$ -			\$ -	0.00%	\$ 25,000	\$ -
363	UTILITIES	\$ -		\$ -			\$ -	-	\$ -	\$ -
364	Utility Demo & Removal	\$ 10,000		\$ -			\$ -	0.00%	\$ 10,000	\$ -
365	Furnish & Install drainage AD-4 to FES-6	\$ 25,000		\$ -			\$ -	0.00%	\$ 25,000	\$ -
366	Furnish & Install drainage CB-6 to Bldg Tie-in	\$ 25,000		\$ -			\$ -	0.00%	\$ 25,000	\$ -

CONTINUATION SHEET
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A ITEM NO.	B DESCRIPTION	C ORIGINAL SCHEDULE OF VALUES	D FROM PREVIOUS APPLICATION	E		F MATERIALS PRESENTLY STORED	G TOTAL COMPLETED AND STORED TO DATE	H %	I BALANCE TO FINISH	J RETAINAGE (IF VARIABLE RATE)
				THIS PERIOD						
367	Furnish & Install drainage OCS-1 to FES-1	\$ 25,000		\$ -	\$ -		\$ -	0.00%	\$ 25,000	\$ -
368	Furnish & Install drainage perforated pipe	\$ 20,000		\$ -	\$ -		\$ -	0.00%	\$ 20,000	\$ -
369	Furnish & Install drainage Wye to WQU-6	\$ 25,000		\$ -	\$ -		\$ -	0.00%	\$ 25,000	\$ -
370	Furnish & Install drainage AD-3 to WQU-5	\$ 25,000		\$ -	\$ -		\$ -	0.00%	\$ 25,000	\$ -
371	Furnish & Install drainage AD-2 to WQU-5	\$ 15,000		\$ -	\$ -		\$ -	0.00%	\$ 15,000	\$ -
372	Furnish & Install WQU-5 to FES-5	\$ 5,000		\$ -	\$ -		\$ -	0.00%	\$ 5,000	\$ -
373	Complete building utility tie ins	\$ 9,000		\$ -	\$ -		\$ -	0.00%	\$ 9,000	\$ -
374	Install site lighting SL-1 on access road	\$ 25,000		\$ -	\$ -		\$ -	0.00%	\$ 25,000	\$ -
375	Excavate underslab plumbing Area B	\$ 25,000		\$ -	\$ -		\$ -	0.00%	\$ 25,000	\$ -
376	Backfill underslab plumbing Area B	\$ 25,000		\$ -	\$ -		\$ -	0.00%	\$ 25,000	\$ -
377	Excavate underslab plumbing Area C	\$ 25,000		\$ -	\$ -		\$ -	0.00%	\$ 25,000	\$ -
378	Backfill underslab plumbing Area C	\$ 25,000		\$ -	\$ -		\$ -	0.00%	\$ 25,000	\$ -
379	PHASE 3									
380	Mobilization	\$ 20,000		\$ -	\$ -		\$ -	0.00%	\$ 20,000	\$ -
381	EARTHWORK									
382	Erosion Control Relocation	\$ 10,000		\$ -	\$ -		\$ -	0.00%	\$ 10,000	\$ -
383	Grade turnaround & parking area	\$ 21,500		\$ -	\$ -		\$ -	0.00%	\$ 21,500	\$ -
384	Excavate and Backfill for Site Furnishings	\$ 8,000		\$ -	\$ -		\$ -	0.00%	\$ 8,000	\$ -
385	Grade basketball/pinkoball & sidewalk area	\$ 20,000		\$ -	\$ -		\$ -	0.00%	\$ 20,000	\$ -
386	Excavate for Infiltration System	\$ 10,000		\$ -	\$ -		\$ -	0.00%	\$ 10,000	\$ -
387	Grade south parking area	\$ 20,000		\$ -	\$ -		\$ -	0.00%	\$ 20,000	\$ -
388	Grade access road & sidewalk	\$ 15,000		\$ -	\$ -		\$ -	0.00%	\$ 15,000	\$ -
389	Remove & Reset Curbing	\$ 8,000		\$ -	\$ -		\$ -	0.00%	\$ 8,000	\$ -
390	Sidewalk Sub base Prep	\$ 10,000		\$ -	\$ -		\$ -	0.00%	\$ 10,000	\$ -
391	Install RG-1 Prep /Clay Liner/Gravel Bedding	\$ 15,000		\$ -	\$ -		\$ -	0.00%	\$ 15,000	\$ -
392	Install Bollards	\$ 15,000		\$ -	\$ -		\$ -	0.00%	\$ 15,000	\$ -
393	Base Coarse Pavement (North - Court Base, Bus Loop, Walks, & Parking)	\$ 10,000		\$ -	\$ -		\$ -	0.00%	\$ 10,000	\$ -
394	Base Coarse Pavement (South - Parking & Walkways)	\$ 15,000		\$ -	\$ -		\$ -	0.00%	\$ 15,000	\$ -
395	Top Pavement (North - Court Base, Bus Loop, Walks, & Parking)	\$ 10,000		\$ -	\$ -		\$ -	0.00%	\$ 10,000	\$ -
396	Top Pavement (South - Parking & Walkways)	\$ 15,000		\$ -	\$ -		\$ -	0.00%	\$ 15,000	\$ -
397	Furnish & Install Curbing	\$ 25,000		\$ -	\$ -		\$ -	0.00%	\$ 25,000	\$ -
398	Furnish pavement markings	\$ 15,000		\$ -	\$ -		\$ -	0.00%	\$ 15,000	\$ -
399	Misc Site grading & finishes	\$ 15,000		\$ -	\$ -		\$ -	0.00%	\$ 15,000	\$ -
400	UTILITIES									
401	Utility Demo & Removal	\$ -		\$ -	\$ -		\$ -	-	\$ -	\$ -
402	Furnish & Install Infiltration System Chambers	\$ 25,000		\$ -	\$ -		\$ -	0.00%	\$ 25,000	\$ -
403	Furnish & Install Infiltration Stone	\$ 9,282		\$ -	\$ -		\$ -	0.00%	\$ 9,282	\$ -
404	Furnish Install AD-4 to FES-6	\$ 5,000		\$ -	\$ -		\$ -	0.00%	\$ 5,000	\$ -
405	Furnish & Install roof drains	\$ 15,000		\$ -	\$ -		\$ -	0.00%	\$ 15,000	\$ -
406	Furnish & install drainage WQU-2 - Infiltration	\$ 10,000		\$ -	\$ -		\$ -	0.00%	\$ 10,000	\$ -
407	Furnish & install drainage CB-3 to WQU-1	\$ 15,000		\$ -	\$ -		\$ -	0.00%	\$ 15,000	\$ -
408	Furnish & install drainage CB-1 to WQU-1	\$ 10,000		\$ -	\$ -		\$ -	0.00%	\$ 10,000	\$ -
409	Furnish & install drainage CB-2 to WQU-1	\$ 8,000		\$ -	\$ -		\$ -	0.00%	\$ 8,000	\$ -
410	Furnish & install water hydrant to road	\$ 11,900		\$ -	\$ -		\$ -	0.00%	\$ 11,900	\$ -
411	Install site lighting SL3	\$ 15,000		\$ -	\$ -		\$ -	0.00%	\$ 15,000	\$ -
412	Install site lighting SL1	\$ 15,000		\$ -	\$ -		\$ -	0.00%	\$ 15,000	\$ -
413	As-builts	\$ 3,500		\$ -	\$ -		\$ -	0.00%	\$ 3,500	\$ -
414	Closeout	\$ -		\$ -	\$ -		\$ -	-	\$ -	\$ -
415	Demobilize	\$ 5,000		\$ -	\$ -		\$ -	0.00%	\$ 5,000	\$ -
416										
417										
418										
419										
		SUBTOTAL United Civil - Site Work (EBP #2)	\$ 3,337,182	\$ -	\$ 229,000	\$ -	\$ 229,000	7%	\$ 3,108,182	\$ 11,450
		CM Alternate #1 (IGMP #2) - Access Road & Tennis Court Restoration, etc.								

AIA Document G702, APPLICATION AND CERTIFICATION FOR PAYMENT, containing Contractor's signed certification is attached.

In tabulations below, amounts are stated to the nearest dollar.

Use Column I on Contracts where variable retainage for line items may apply.

APPLICATION NO: Requisition #02
 APPLICATION DATE: 07/31/19
 PERIOD TO: 07/31/19
 PROJECT: 201506980010

A ITEM NO.	B DESCRIPTION	C ORIGINAL SCHEDULE OF VALUES	D FROM PREVIOUS APPLICATION	E		F MATERIALS PRESENTLY STORED	G TOTAL COMPLETED AND STORED TO DATE	H %	I BALANCE TO FINISH	J RETAINAGE (IF VARIABLE RATE)
				THIS PERIOD						
420	(Division 31)									
421	CM Alternate #1 (IGMP #2) - Access Road & Tennis Court Restoration, etc.	\$ 163,450		\$ -			\$ -	0.00%	\$ 163,450	\$ -
422										
423	SUBTOTAL CM Alternate #1 (IGMP #2) - Access Road & Tennis Court Restoration, etc.	\$ 163,450	\$ -	\$ -	\$ -	\$ -	\$ -	0%	\$ 163,450	\$ -
424										
425	Ground Improvements (EBP #2)									
426	Design Submittal	\$ 10,000		\$ 5,000			\$ 5,000	50.00%	\$ 5,000	\$ 250
427	Performance & Payment Bond	\$ 7,449								
428	Mobilization - Phase 1	\$ 25,000								
429	Mobilization - Phase 2	\$ 25,000								
430	Surveying	\$ 15,000								
431	Modulus Test - Phase 1	\$ 10,000								
432	Modulus Test - Phase 2	\$ 10,000								
433	Install Geopier Elements	\$ 349,551								
434	Spoils and Material Management	\$ 20,000								
435										
436										
437	SUBTOTAL Ground Improvements (EBP #2)	\$ 472,000	\$ -	\$ 5,000	\$ -	\$ -	\$ 5,000	1%	\$ 5,000	\$ 250

CONTINUATION SHEET

AIA DOCUMENT G703

AIA Document G702, APPLICATION AND CERTIFICATION FOR PAYMENT, containing

Contractor's signed certification is attached.

In tabulations below, amounts are stated to the nearest dollar.

Use Column I on Contracts where variable retainage for line items may apply.

APPLICATION NO: Requisition #02
 APPLICATION DATE: 07/31/19
 PERIOD TO: 07/31/19
 PROJECT: 201506980010

A ITEM NO.	B DESCRIPTION	C ORIGINAL SCHEDULE OF VALUES	D		E THIS PERIOD	F MATERIALS PRESENTLY STORED	G TOTAL COMPLETED AND STORED TO DATE	H %	I BALANCE TO FINISH	J RETAINAGE (IF VARIABLE RATE)
			FROM PREVIOUS APPLICATION							
	SUB TOTALS (GMP Construction)	\$ 13,022,492	\$ 238,811	\$ 667,575	\$ -	\$ 906,386	7%	\$ 12,116,106	\$ 45,319	
438	Change Orders									
439	Change Order No. 1 N/A									
440										
441										
445										
456										
	SUBTOTAL Change Orders	\$ -	\$ -	\$ -	\$ -	\$ -	0%	\$ -	\$ -	
	TOTAL CONSTRUCTION COST	\$ 13,022,492	\$ 238,811	\$ 667,575	\$ -	\$ 906,386	7%	\$ 12,116,106	\$ 45,319	



125 Nagog Park
Acton, MA 01720

Christina Shefferman
Dore and Whittier

260 Merrimac Street, Building 7, 2nd FL
Newburyport, MA 01950

Invoice Number
Invoice Date
Period of Services
Geocomp Project#

2220953-000001
8/6/2019
5/26/19 to 7/27/19
220953

CONTRACT							QTY this period	Price this period	QTY to date	Price to date
DESCRIPTION	UNIT	QTY	UNIT PRICE	Total Value						
Vibration Monitoring - Manchester Memorial Elementary School - Manchester by the Sea, MA Rev3										
Vibration Monitoring - Phase 1										
Rental of one (1) seismograph with remote communications and solar panel	EA	3	\$550	\$ 1,650.00	1	\$ 550.00	1	\$ 550.00	1	\$ 550.00
Site visit to install or relocate up to three (3) Seismographs	EA	1	\$600	\$ 600.00	1	\$ 600.00	1	\$ 600.00	1	\$ 600.00
Rental of 24/7 access to iSiteCentral data management	MO	3	\$250	\$ 750.00	1	\$ 250.00	1	\$ 250.00	1	\$ 250.00
Vibration Monitoring - Phase 2										
Rental of one (1) seismograph with remote communications and solar panel	EA	3	\$550	\$ 1,650.00	0	\$ -	0	\$ -	0	\$ -
Site visit to install or relocate up to three (3) Seismographs	EA	1	\$600	\$ 600.00		\$ -		\$ -		\$ -
Rental of 24/7 access to iSiteCentral data management	MO	3	\$250	\$ 750.00		\$ -		\$ -		\$ -
Vibration Monitoring - Phase 3										
Rental of one (1) seismograph with remote communications and solar panel	EA	2	\$550	\$ 1,100.00	0	\$ -	0	\$ -	0	\$ -
Site visit to install or relocate up to three (3) Seismographs	EA	1	\$600	\$ 600.00		\$ -		\$ -		\$ -
Rental of 24/7 access to iSiteCentral data management	MO	2	\$250	\$ 500.00		\$ -		\$ -		\$ -
Vibration Monitoring - optional second VM station										
Rental of one (1) seismograph with remote communications and solar panel	EA	8	\$550	\$ 4,400.00	0	\$ -	0	\$ -	0	\$ -
Rental of 24/7 access to iSiteCentral data management	MO	8	\$150	\$ 1,200.00		\$ -		\$ -		\$ -
Total	\$			13,800.00	\$	1,400.00	\$	1,400.00	\$	1,400.00

ATTACHMENT F

CONTRACT FOR DESIGNER SERVICES

AMENDMENT NO. 4

WHEREAS, The Manchester-Essex Regional School District (“Owner”) and JCJ Architecture PC, (the “Designer”) (collectively, the “Parties”) entered into a Contract for Designer Services for the Memorial Elementary School Project (Project Number 201506980010) at Memorial Elementary School in Manchester on July 25, 2017. “Contract”; and

WHEREAS, effective as of August 1st, 2019 the Parties wish to amend the Contract:

NOW, THEREFORE, in consideration of the promises and the mutual covenants contained in this Amendment, and other good and valuable consideration, the receipt and legal sufficiency of which are hereby acknowledged, the Parties, intending to be legally bound, hereby agree as follows:

1. The Owner hereby authorizes the Designer to perform services for the Design Development Phase, the Construction Phases, and the Final Completion Phase of the Project, pursuant to the terms and conditions set forth in the Contract, as amended.
2. For the performance of services required under the Contract, as amended, the Designer shall be compensated by the Owner in accordance with the following Fee for Basic Services:

Fee for Services:	Original Contract	Previous Amendments	This Amendment	Updated Total
A&E – Feasibility	\$180,000.00			\$180,000.00
A&E – Schematic	\$170,000.00			\$170,000.00
Environmental & Site		\$79,110.00		\$79,110.00
A&E – Design Development		\$1,165,500.00		\$1,165,500.00
A&E – Contract Documents		\$1,750,000.00		\$1,750,000.00
A&E – Bidding		\$170,000.00		\$170,000.00
A&E – Construction Admin		\$1,345,000.00		\$1,345,000.00
A&E – Closeout		\$192,000.00		\$192,000.00
Other Reimbursable Costs				\$0.00
Hazardous Materials			\$52,241.20	\$52,241.20
Geotechnical & Geo Envir.			\$105,066.50	\$105,066.50
Total Fee	\$350,000.00	\$4,701,610.00	\$157,307.70	\$5,208,917.70

This Amendment is to: The addition of reimbursable designer services necessary to complete the DD through CA scope for Hazardous Materials survey/documentation, and Geotechnical Engineering services (JCJ proposal dates 1/31/2019 attached for reference), summary as follows:

• CDW Consultants	Hazardous Materials (DD-CA)	\$28,011.50
• CDW Consultants	Phase II Environmental services	\$24,229.70
• <u>LGCI</u>	<u>Geotechnical Services (DD-CA)</u>	<u>\$105,066.50</u>
Total This Amendment		\$157,307.70

3. The Construction Budget shall be as follows:

Original Budget:	<u>\$18 to 30 million (per RFS)</u>
Amended Budget	<u>\$41,142,104</u>

4. The Project Schedule shall be as follows:

Original Schedule:	<u>MSBA SD Approval 2/2019</u>
Amended Schedule	<u>Substantial Completion 10/29/2021</u>

5. This Amendment contains all of the terms and conditions agreed upon by the Parties as amendments to the original Contract. No other understandings or representations, oral or otherwise, regarding amendments to the original Contract shall be deemed to exist or bind the Parties, and all other terms and conditions of the Contract remain in full force and effect.

IN WITNESS WHEREOF, the Owner, with the prior approval of the Authority, and the Designer have caused this Amendment to be executed by their respective authorized officers.

OWNER

Pamela Beaudoin
(print name)

MERSD School Superintendent
(print title)

By _____
(signature)

Date _____

DESIGNER

James E. LaPosta Jr. FAIA, LEED AP
(print name)

President
(print title)

By _____
(signature)

Date _____

(30 January 2019) Rev 1 August 2019

Memorial School Building Committee
c/o Dore & Whitter Management Partners
Mr. Michael Burton, MCPPO
260 Merrimac Street
Newburyport, MA 01950

Re: Manchester Memorial Elementary School
Manchester-Essex Regional School District
Manchester-by-the-Sea, Massachusetts
Amendment #4 - Proposal for:
Phase II Environmental Investigation (CDW)
Hazardous Materials Investigation (CDW)
Additional Geotechnical Services (LGCI)

JCJ Project No. B17046.01

Dear Mr. Burton and Members of the School Building Committee:

As outlined in our initial proposal, JCJ Architecture (JCJ) included CDW as part of our design team to execute a hazardous materials survey for the Manchester Memorial Elementary School property which is in the control of the Manchester-Essex Regional School District.

As provided under Section 8 of our contract for Designer Services, JCJ submits this proposal for Additional Services for Phase II Environmental Services (CDW), Hazardous Materials Investigation for DD-CA (CDW), and Additional Geotechnical Services for DD – CA (LGCI).

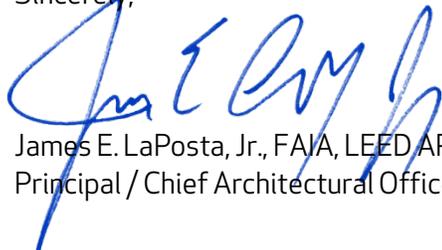
Work for the Environmental Investigation, Hazardous Materials Investigation and Additional Geotechnical Services were performed during school vacation week between Monday February 18, 2019 and Friday February 22, 2019. As with the previous Borings and on-site soils investigations, we reviewed this work with the Manchester Conservation Commission and the Manchester Planning Board to assure appropriate mitigation will be in place.

Our fee for this work is outlined below and proposals are attached for your review. Per Section 8 of our contract JCJ is allowed a mark-up of 10% on reimbursable consultant fees.

CDW Consultant	(Hazardous Materials survey for CD, CA)	\$25,465.00
JCJ 10%		\$2,546.50
<hr/>		
TOTAL		\$28,011.50
CDW Consultant	(Phase II Environmental Services)	\$22,027.00
JCJ 10%		\$2,202.70
<hr/>		
TOTAL		\$24,229.70
LGCI	(Geotechnical services for DD and CD)	\$95,515.00
JCJ 10%		\$9,551.50
<hr/>		
TOTAL		\$105,066.50
TOTAL		\$157,307.70

We hope this proposal meets your expectations. We look forward to continuing into the Design and Construction Phases of the project. Please contact our office with any questions.

Sincerely,



James E. LaPosta, Jr., FAIA, LEED AP
Principal / Chief Architectural Officer

C: DMcDonald
File B17046.01

Attachments:

- Addendum #4 for Designer Services



CDW CONSULTANTS, INC.
CIVIL & ENVIRONMENTAL ENGINEERS

February 8, 2019

Debi McDonald
JCJ Architecture
One State Street, Suite 900
Boston, MA 02109

RE: Proposal for Confirmatory Hazmat Survey
Design Development through Construction Administration
Manchester Memorial Elementary School
43 Lincoln Street
Manchester by the Sea, MA 01944

Dear Ms. McDonald:

CDW Consultants, Inc. (CDW) is pleased to present this proposal to JCJ Architecture (Client) to conduct a confirmatory hazardous materials survey as well as prepare design development and construction documents for the Manchester Memorial Elementary School, located at 43 Lincoln Street, Manchester by the Sea, Massachusetts (Site). The Client shall provide scaled building plans and detailed final design. This work will be conducted in accordance with the United States EPA guidelines.

Our proposal includes the following Scope of Services, Schedule of Services, Fee for Services, Assumptions and Limitations, and Terms and Conditions.

SCOPE OF SERVICES

CDW's proposed Scope of Services is categorized in the following tasks:

Task 1. Confirmatory Hazardous Building Survey

CDW will conduct a confirmatory survey to evaluate the presence of asbestos containing materials (ACM) and lead based paint (LBP) in hidden areas, sample roofing materials, behind vapor barrier and chalkboards, and other difficult to access locations in the school building. This task includes an allowance for a contractor to assist and repair destructive sampling. Up to 150 bulk samples of suspect ACM, and up to 25 samples of suspect LBP will be taken from the interior and exterior of the school building and submitted to a laboratory for analysis.

Task 2. Hazmat Report

CDW will prepare a summary report and drawing revisions depicting the locations of ACM identified in the interior and exterior of the subject building. Client shall provide CDW with scaled building plans in CADD.

Task 3. Construction Documents

CDW will modify base floor and existing building elevation plans provided by Client to show locations of ACM and LBP identified. CDW will prepare construction document technical



specifications related to asbestos and universal and hazardous materials present and/or likely to be encountered during building renovations/demolition. The preparation of detailed site plans, locational surveys, or other drawings is not included herein.

Task 4. Construction Administration

CDW will attend one construction kick off meeting and review technical specification contractor submittals related to asbestos abatement and hazardous materials abatement.

SCHEDULE OF SERVICES

CDW will commence work on this project upon receipt of written authorization to proceed. The schedule for completion of these tasks is based upon Client’s needs and from written authorization to proceed. This proposal may be subject to change based upon final design.

FEE FOR SERVICES

For this project, as defined in SCOPE OF SERVICES, compensation shall be on a time and material basis estimated as follows:

Task 1. Confirmatory Hazmat Survey

Labor:	\$ 4,680
Expenses: Contractor	\$ 2,970
ACM Samples	\$ 3,000
LBP Samples	\$ 625
Task 1 Subtotal	\$11,275

Task 2. Summary Report

Labor:	\$ 4,420
Task 2 Subtotal	\$ 4,420

Task 3. Construction Documents

Labor:	\$ 5,770
Task 4 Subtotal	\$ 5,770

Task 4. Construction Administration

Labor:	\$ 4,000
Task 5 Subtotal	\$ 4,000

<u>Total Estimated Project Costs</u>	<u>\$25,465</u>
---	------------------------

ASSUMPTIONS AND LIMITATIONS

The above scope assumes free and clear access at the scheduled time of the survey. Hidden, latent or inaccessible areas identified during the course of the initial inspection or upon subsequent abatement or demolition activities are not included in the preliminary scope, above. This preliminary budget may be adjusted based upon final design.



TERMS AND CONDITIONS

CDW will accept applicable Terms and Conditions of the Contract for Designer Services (i.e., the Prime Agreement) between the Manchester by the Sea School District and Client.

Please sign a copy of this agreement. Retain a copy for your files and return the other to us, the receipt of which shall constitute Notice-to Proceed. If you have any questions, please do not hesitate to contact Susan Cahalan at extension 25. We look forward to working with you on this project. Thank you for considering CDW Consultants, Inc.

Very truly yours,
CDW CONSULTANTS, INC.

AGREED AND ACCEPTED:

Joanne Scannell
Associate Director

BY: _____
TITLE: _____
DATE: _____



CDW CONSULTANTS, INC.
CIVIL & ENVIRONMENTAL ENGINEERS

January 2, 2019

Ms. Debi McDonald
JCJ Architecture
One State Street, Suite 900
Boston, MA 02109

RE: Professional Services for Phase II ESA
Manchester Memorial Elementary School
43 Lincoln Street
Manchester by the Sea, MA 01944

Dear Ms. McDonald:

CDW Consultants, Inc. (CDW) is pleased to present this proposal to JCJ Architecture (Client) for professional environmental services to conduct a Phase II investigation at the Manchester Memorial Elementary School, located at 43 Lincoln Street, Manchester by the Sea, Massachusetts (Site). Our proposal includes a Scope of Services, a Schedule of Services, Fee for Services, Terms and Conditions, and Assumptions.

SCOPE OF SERVICES

The following is a general summary of tasks to be performed under this Agreement.

Task 1. Phase II Limited Subsurface Investigation

In October 2017, CDW completed a Phase I Environmental Site Assessment in conformance with the scope and limitations of ASTM Practice E 1527-13 at the Site (Phase 1). The Phase I Report, identified Recognized Environmental Concerns (RECs) and Historical Recognized Environmental Concerns (HRECs) in connection with the Site, including:

- Potential contamination from the two 10,000-gallon fuel oil underground storage tanks removed in 1991;
- Potential contamination from the old transformer removed from the electric room in the basement. It is unknown if polychlorinated biphenyls (PCBs) were in the transformer fluids;
- Potential contamination from the exterior pad mounted transformer. It is unknown if PCBs are in the transformer fluids; and
- Potential dumping of ash from an incinerator.

Due to the discovery of these RECs and, no conclusions were able to be made regarding subsurface conditions at the Site. Based on the findings and observations, CDW recommended the following actions to further investigate the environmental conditions:

- Conduct a Phase II subsurface investigation to identify potential contaminated soils and



groundwater in the areas of the identified RECs and HRECs.

As part of the Phase II Investigation, CDW will oversee the advancement of a total of five (5) soil borings. The five (5) borings will be completed as 2" diameter groundwater monitoring wells. One and one-half days of drilling is included herein. Groundwater is located at approximately 8-10 feet below surface grade in the vicinity of the Site, according to data from the United States Geological Survey.

CDW will collect soil samples for field-screening at four (4) foot intervals during the boring advancement. CDW will field-screen soil samples for volatile organic vapors using a photoionization detector. Based upon the results of the field screening, CDW will submit up to one (1) soil sample from each of the five (5) borings at the depth where contamination is evident (highest PID reading) or at the vadose zone. The samples will be submitted to a certified laboratory for analysis of the following parameters: volatile petroleum hydrocarbons (VPH), extractable petroleum hydrocarbons (EPH), including target polynuclear aromatic hydrocarbons (PAHs), volatile organic compounds (VOCs) by EPA Method 8260 and total priority pollutant metals (PP13).

Task 2. Groundwater Sampling and Survey

CDW will develop and gauge the depth to groundwater in the newly installed monitoring wells. CDW will bail a minimum of three well volumes from the wells prior to sampling.

CDW will survey the elevations of the groundwater monitoring wells relative to a fixed point. CDW will confirm the average groundwater gradient and flow direction based upon the data obtained. CDW will locate the monitoring wells on an electronic base map provided by Client. CDW will sample the monitoring wells for laboratory analysis for VPH, EPH, including target PAHs, VOCs by EPA Method 8260 and total priority pollutant metals (PP13).

Task 3. Phase II Limited Subsurface Investigation Report

CDW will prepare a summary report of field observations and analytical results. The report will include an opinion on the likely source(s) of soil or groundwater contamination, if found, along with recommendations, if needed, for additional testing, regulatory reporting, or other compliance with regulations. Using a base plan provided by Client, CDW will prepare sketches showing sample locations. The preparation of detailed site plans, locational surveys, or other drawings is not included herein. One electronic copy of the report will be submitted to the Client.

SCHEDULE OF SERVICES

CDW Consultants, Inc. will commence the work outlined in SCOPE OF SERVICES upon receipt of your written authorization to proceed. CDW will work within the established design schedule and coordinate with other disciplines as needed to complete project documents within such schedule.

FEE FOR SERVICES

For this project as defined in SCOPE OF SERVICES, compensation shall be on a time and materials basis. Invoices will be submitted on a monthly basis. Our fee is detailed as follows:



<u>Task 1. Drilling Oversight and Sampling</u>	
Labor:	\$ 3,940
Expenses: Driller	\$ 5,280
Labs, Soil	\$ 2,361
Equipment (PID), Mileage	\$ 100
Subtotal Task 1	<u>\$ 11,681</u>
 <u>Task 2. Groundwater Sampling and Survey</u>	
Labor:	\$ 3,020
Expenses: Labs, Groundwater	\$ 2,361
Survey equipment	\$ 125
Subtotal Task 2	<u>\$ 5,506</u>
 <u>Task 3. Phase II Report</u>	
Labor:	\$ 4,840
Subtotal Task 2	<u>\$ 4,840</u>
 <u>Total Not to Exceed Project Cost</u>	 <u>\$ 22,027</u>

ASSUMPTIONS

The following Assumptions are incorporated into this Agreement:

1. Existing and complete survey and utility drawings are available for the Site.
2. It is assumed that full site access is available to conduct our investigation.
3. Our conclusions will be limited by limited access.

TERMS AND CONDITIONS

CDW will accept applicable Terms and Conditions of the Contract for Designer Services (i.e., the Prime Agreement) between the Manchester by the Sea School District and JCJ Architects.

Please sign a copy of this Agreement. Retain a copy for your files and return the other to us, the receipt of which shall constitute Notice-to-Proceed. If you have any questions, please do not hesitate to contact Susan Cahalan at extension 25. Thank you for considering CDW for this important work.

Very truly yours,

CDW CONSULTANTS, INC.

AGREED AND ACCEPTED:

Joanne Scannell
Associate Director

BY: _____
TITLE: _____
DATE: _____



July 23, 2018

Mr. Daniel Ruiz
JCJ Architecture
One State Street, Suite 900
Boston, MA 02109
Phone: (617) 532-6600
E-mail: DRuiz@jcj.com

**Re: Proposal for Design Phase and Construction Geotechnical Field Services
Proposed Manchester Memorial Elementary School
Manchester-By-The-Sea, Massachusetts
LGCI Proposal No. 18062**

Dear Mr. Ruiz:

Lahlaf Geotechnical Consulting, Inc. (LGCI) appreciates the opportunity to submit this proposal to provide geotechnical services during the design and construction phases for the proposed Manchester Memorial Elementary School (MMES), Manchester-By-The-Sea, Massachusetts. This proposal is based on a plan showing the proposed building footprint you e-mailed to us on May 17, 2018 and on our recent phone and e-mail communications.

Background and Project Understanding

The site is located at 43 Lincoln Street in Manchester-by-the-Sea, Massachusetts. The site is occupied by the existing school building, paved areas, and athletic fields.

We understand that the proposed construction will consist of a building with a footprint of about 55,000 square feet which will be located on the southern side of the site. The proposed building will have a main concourse on the western side and two wings emanating from the eastern side of the main concourse. The proposed construction will also include paved parking areas, and athletic fields within the footprint of the existing building after the latter is demolished.

We understand that the in order to achieve the proposed grades, cut and fill slopes, and possibly site retaining walls, will be required.

LGCI previously performed preliminary subsurface explorations at the site including seven (7) borings that extended to depths ranging between 9 and 61 feet beneath the ground surface. The previous borings generally indicated asphalt or topsoil overlying fill, overlying clay. A sand layer was encountered beneath the surficial topsoil in a few borings and beneath the clay in other borings.

Since our preliminary borings were completed, the proposed building layout has been established as described above. The purpose of our services is to perform additional explorations within the

proposed building footprint and along the proposed slopes and retaining walls, if any, and prepare and submit a geotechnical report containing our foundation recommendations. We have also included in this proposal geotechnical services during the design development (DD) phase and the construction phase.

Scope of Work

1. Explorations and Report

1.1 Utility Location – LGCI will mark the exploration locations in the field by taping the distances from the corners of the existing building. We will contact the utility clearance agency, Dig Safe Systems, Inc. (Dig Safe) and the Town of Manchester-by-the-Sea to assist the owner in locating underground utilities at the site. We request that you provide us with a current utility plan. We also request that a representative of the owner observe our marked exploration locations to clear them for private utilities. LGCI will not assume responsibility for damage to underground features.

1.1 Test Pits – We will engage an excavation subcontractor for one (1) day to advance up to six (6) test pits. The test pits will be excavated at locations approved by the owner. The test pits will extend to depths of up to 12 feet. After the test pits are completed, the excavations will be backfilled with the excavated materials which will be placed and tamped in place using the excavator bucket in 18- to 24-inch lifts. We have not included in this proposal a fee for loaming, seeding, raking, or mulching the test pit locations.

1.2 Drilling Subcontractor for Borings and Groundwater Observation Wells – We will engage a drilling for four (4) days of drilling. We anticipate that in four (4) days the drilling subcontractor will complete up to fourteen (14) soil borings. One boring will be advanced to a depth of about 80 feet, the remainder of the borings will be advanced to depths of 20 feet. The drilling subcontractor will perform standard penetration tests (SPT) in the borings and will obtain split-spoon samples at 5-foot intervals and at perceived strata changes in accordance with ASTM D-1586. Our drilling subcontractor will also obtain two (2) undisturbed tube samples in the clay.

The boreholes will be backfilled with the soil cuttings, and the ground surface will be restored with asphalt cold patch in paved areas.

We have assumed that the borings will be performed during normal day working hours using a truck-mounted drill rig.

Our drilling subcontractor will install two (2) groundwater observations in two (2) borings (one each).

1.3 Geotechnical Field Engineer to Observe Borings and Test Pits, and to Monitor Groundwater Observation Wells – We will provide a field engineer at the site to coordinate and observe the



test pits and the drilling, collect soil samples, and prepare field logs. We have also included time to perform four (4) visits to monitor the groundwater observation wells.

1.4 Laboratory Testing – We will submit the undisturbed tube samples for two (2) Atterberg Limits test, two (2) consolidation test and two (2) unconsolidated undrained shear strength test.

1.5 Geotechnical Reports – We will submit our report electronically. Our report will include the following:

- Summary of the subsurface investigation methods used;
- Description of the subsurface conditions;
- Description of previous borings;
- LGCI's boring and test pit logs;
- Plan showing boring and test pit locations;
- Depth to refusal, if encountered;
- Groundwater data;
- Laboratory test results;
- Recommendations for feasible foundation, including ground improvements, if applicable;
- Recommendations for bearing capacity of foundations;
- Seismic design recommendations in accordance with the Massachusetts State Building code, 9th Edition;
- Construction considerations, including subgrade preparation, groundwater control, temporary earth-support system, if needed, and backfill recommendations including removal of unsuitable soils.

2. Design Phase Services

2.1 Review Drawings – We coordinate with the structural engineer and we will review the geotechnical aspect of the foundation drawings and we will provide written comments. We have budgeted ten (10) hours for this task.

2.2 Prepare Specifications – We will prepare the earth moving and the ground improvement specifications. We have budgeted sixteen (16) hours for this task.

2.3 Consultation – We have budgeted ten (10) hours for general consultation with you during the design phase.

2.4 Slope Stability Analyses – Once a geometry of the proposed slopes, and retaining wall, if any, is established, we will perform slope stability analyses on the slopes and retaining walls. We have budgeted 32 hours for this task.



3. Construction Phase Services

- 3.1 Kickoff Meeting – We will attend a kickoff meeting with the contractor to discuss scheduling and contractor’s construction sequence. We have budgeted six (6) hours for this task.
- 3.2 Contractor Submittals and RFIs – LGCI will assist JCJ with the review of requests for information (RFIs) and contractor submittals related to geotechnical issues. We have budgeted thirty-two (32) hours for this task.
- 3.3 Site Visits to Observe the Subgrade of Footings and Slabs – We will provide a geotechnical engineer to observe the removal of the existing fill and organic soil, and to observe the subgrade of footings and slabs, including ground improvements if applicable. We have not included in this proposal observing the subgrade of roadways or utility trenches. Our engineer will provide recommendations about the suitability of backfill materials. In addition, we would be pleased to attend site meetings regarding the foundation work, if requested. Our scope does not include observation of backfilling operations and field density testing. We understand that the owner will retain a separate testing agency to perform these services. We have assumed that the earthwork operations will require forty-five (45) visits. We have budgeted nine (9) hours per visit, including travel to and from the site.
- 3.4 Field Observation Reports, Review, and Coordination – We will provide a geotechnical engineer to consult with you and with the contractor during earthwork operations. Our engineer will also review the earthwork-related daily field reports prepared by the testing agency engaged by you and which you request that we review. Our engineer will prepare daily field reports containing a summary of our observations and a summary of the geotechnical recommendations made in the field. Our reports will be submitted weekly at the beginning of the week following our visits. We have budgeted about one (1) hour per field report and one (1) per day for a senior engineer for coordination and review.

LGCI’s scope of services does not include an environmental assessment for the presence or absence of wetlands, or analytical testing for hazardous or toxic materials in the soil, surface water, groundwater, or air, on or below or around this site. Any statements regarding odors, colors, or unusual or suspicious items or conditions are strictly for the information of the client.

Recommendations for unsupported slopes, stormwater management, erosion control, pavement design, and detailed cost or quantity estimates are not included in our scope of work.

Proposed Schedule

LGCI will begin work upon receiving authorization in the form of a signed copy of this proposal. Generally, we require a one-week notice for the first visit. During construction, we will coordinate our work with the contractor. We request a minimum a 2-day notice before each visit.



**Proposal for Design Phase and Construction Geotechnical Field Services
Proposed Manchester Memorial Elementary School
Manchester-By-The-Sea, Massachusetts
LGCI Proposal No. 18062**

Project Fee

We will perform our services on a time-and-expenses basis using a rate of \$97/hour for a geotechnical engineer, \$127/hour for a senior geotechnical engineer. Expenses, if any, will be billed at cost plus 15 percent.

We recommend budgeting **\$95,515** for our services as shown below.

	DD Phase Exploration Services and Geo. Report		
1.1	Mark Borings and Utility Clearance	\$1,400	
1.2	Subcontractor for Test Pits (M/D + 1 day + Prev. Wages)	\$2,490	
1.3a	Drilling Subcontractor (M/D+2 days+ Prev. Wages)	\$12,750	
1.3b	Groundwater Observation Wells	\$900	
1.4a	Geotech. Eng. to Observe Borings	\$5,400	
1.4b	Monitor Groundwater Observation wells	\$1,500	
1.5	Laboratory Testing	\$2,100	
1.6	Boring Logs and Letter Report	\$3,400	\$29,940
	Design Phase Services		
2.1	Review Geo. Aspect of Found. Drawings	\$1,270	
2.2	Specifications	\$2,030	
2.3	Consultation	\$1,270	
2.4	Slope Stability Analyses	\$4,570	\$9,140
	Construction Services		
3.1	Kickoff meeting	\$760	
3.2	Review Geotech. Aspect of Contractor's Submittals and RFIs	\$4,060	
3.3	Field Services	\$41,535	
3.4	Field Reports and review	\$10,080	<u>\$56,435</u>
			\$95,515

No services beyond those described above would be provided without your prior knowledge and approval. If site conditions or your needs require a change in the scope of work, we will prepare for your approval a change order request that summarizes the changes to the project scope and fee.

Terms and Conditions

We propose to perform our work in accordance with our existing agreement dated February 14, 2017 and signed by Mr. James E. LaPosta of JCJ. Your acceptance of this proposal by signing and returning one complete copy will form our agreement for these services, and will serve as written authorization to proceed with the described scope of work.

LGCI trusts that the above proposal will be sufficient to meet your needs. If this proposal is acceptable, please sign and return a complete copy of this proposal to LGCI. If you have any questions, please call us at (978) 330-5912.



**Proposal for Design Phase and Construction Geotechnical Field Services
Proposed Manchester Memorial Elementary School
Manchester-By-The-Sea, Massachusetts
LGCI Proposal No. 18062**

Sincerely,

LAHLAF GEOTECHNICAL CONSULTING, INC.



Abdelmadjid M. Lahlaf, Ph.D., P.E.
Principal Engineer

Enclosures: LGCI's Standard Conditions for Engagement

Agreed to by (please type name): _____ on (date): _____

Company Name: _____

Signature: _____



ATTACHMENT F

CONTRACT FOR DESIGNER SERVICES

AMENDMENT NO. 5

WHEREAS, the Manchester-Essex Regional School District (“Owner”) and JCJ Architecture PC, (the “Designer”) (collectively, the “Parties”) entered into a Contract for Designer Services for the Memorial Elementary School project (Project Number 201506980010) at the Memorial Elementary School in Manchester on July 25, 2017. “Contract”; and

WHEREAS, effective as of August 9, 2019, the Parties wish to amend the Contract:

NOW, THEREFORE, in consideration of the promises and the mutual covenants contained in this Amendment, and other good and valuable consideration, the receipt and legal sufficiency of which are hereby acknowledged, the Parties, intending to be legally bound, hereby agree as follows:

1. The Owner hereby authorizes the Designer to perform services for the Design Development Phase, the Construction Phases, and the Final Completion Phase of the Project, pursuant to the terms and conditions set forth in the Contract, as amended.
2. For the performance of services required under the Contract, as amended, the Designer shall be compensated by the Owner in accordance with the following Fee for Basic Services:

Fee for Services:	Original Contract	Previous Amendments	This Amendment	Updated Total
A&E – Feasibility	\$180,000.00			\$180,000.00
A&E – Schematic	\$170,000.00			\$170,000.00
Environmental & Site		\$79,110.00		\$79,110.00
A&E – Design Development		\$1,165,500.00		\$1,165,500.00
A&E – Contract Documents		\$1,750,000.00		\$1,750,000.00
A&E – Bidding		\$170,000.00		\$170,000.00
A&E – Construction Admin		\$1,345,000.00		\$1,345,000.00
A&E – Closeout		\$192,000.00		\$192,000.00
Other Reimbursable Costs				\$0.00
Hazardous Materials		\$52,241.20	\$ 141,898.00	\$194,139.20
Geotechnical & Geo Envir.		\$105,066.50	\$ 56,765.50	\$161,832.00
				\$0.00
				\$0.00
				\$0.00
Total Fee	\$350,000.00	\$4,858,917.70	\$198,663.50	\$5,407,581.20

This Amendment is a result of: Supplemental topographic survey and plan for the area south of Coach Field and the adjacent tennis courts (Samiotes proposal dated 3/20/2019); Wetland delineation and report requested by ConCom (Samiotes proposal dated 3/20/2019); site civil document revisions in response to ConCom determination of the site as a flood zone (Samiotes proposal revised 7/30/2019); Additional Planning and ConCom permitting reviews as a result of the determination of the site as a flood zone (Samiotes proposal revised 7/30/2019); Coach Field ADA path plans (Samiotes proposal revised 7/30/2019); BSLF document revisions as a result of additional peer review requests (Samiotes proposal dated 4/18/2019); Response to additional round of peer reviews and additional presentations at ConCom and Planning (Samiotes proposal dated 6/11/2019); Plan for ADA Pre-K walkway (Samiotes proposal dated 7/31/2019); Additional geotechnical explorations required by ConCom (LGCI proposal dated 4/22/2019); NTAAWP documentation (CDW proposal dated 4/26/2019); Abatement monitoring during CA (CDW proposal dated 7/31/2019); Additional environmental services due to finding of contaminated soils on site (CDW proposal dated 7/12/2019); Educational Technology procurement support (GGD proposal dated 7/5/2019). Proposals attached for reference, summary as follows:

• Samiotes	Supplemental Topo & Survey	\$ 7,425.00
• Samiotes	Supplemental Wetlands Delineation	\$ 1,199.00
• Samiotes	BSLF Revised Construction Docs	\$ 6,600.00
• Samiotes	BLSF Additional Permitting	\$ 6,600.00
• Samiotes	Coach Field ADA Access Path	\$ 1,100.00
• Samiotes	BLSF Additional Doc Revision & Coord	\$ 3,850.00
• Samiotes	Additional Peer Review Revisions	\$11,000.00
• Samiotes	Pre-K Walkway layout	\$ 1,650.00
• LGCI	Add'l Geotech Explorations for ConCom	\$17,341.50
• CDW	NTAAWP Documentation	\$ 3,806.00
• CDW	Abatement Monitoring	\$71,775.00
• CDW	Additional Environmental Services	\$38,817.00
• GGD	Tech Equip Procurement Consulting	\$27,500.00

Total this Amendment **\$198,663.50**

3. The Construction Budget shall be as follows:

Original Budget:	<u>\$18 to 30 million (per RFS)</u>
Amended Budget	<u>\$41,142,104 (SD Est.)</u>

4. The Project Schedule shall be as follows:

Original Schedule:	<u>MSBA SD Approval 2/2019</u>
Amended Schedule	<u>Substantial Completion 10/29/2021</u>

5. This Amendment contains all of the terms and conditions agreed upon by the Parties as amendments to the original Contract. No other understandings or representations, oral or otherwise, regarding amendments to the original Contract shall be deemed to exist or bind the Parties, and all other terms and conditions of the Contract remain in full force and effect.

IN WITNESS WHEREOF, the Owner, with the prior approval of the Authority, and the Designer have caused this Amendment to be executed by their respective authorized officers.

OWNER

Pamela Beaudoin
(print name)

MERSD School Superintendent
(print title)

By _____
(signature)

Date _____

DESIGNER

James E. LaPosta Jr. FAIA, LEED AP
(print name)

President
(print title)

By _____
(signature)

Date _____

3 July 2019 (Rev 15 July 2019) (Rev 2 August 2019)

Memorial School Building Committee
c/o Dore & Whitter Management Partners
Mr. Michael Burton, MCPPO
260 Merrimac Street
Newburyport, MA 01950

Re: Manchester Memorial Elementary School
Manchester-Essex Regional School District
Manchester-by-the-Sea, Massachusetts
Amendment #5: Samiotes – Supplemental Survey and Wetlands Delineation:
BLSF Add'l Documents and Permitting Services; Field Access Path; LGCI –
Additional Explorations; CDW – Abatement Monitoring; NTAAWP; Soil
Management; GGD – Technology Equipment Procurement;
JCJ Project No. B17046.01

Dear Mr. Burton and Members of the School Building Committee:

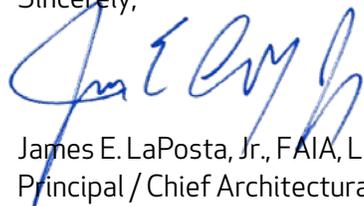
As provided under Section 8 of our contract for Designer Services, JCJ submits this proposal for Extra Services for additional work by five of our consultants. Fees for this work are outlined below and proposals are attached for your review. Per Section 8 of our contract JCJ is allowed a mark-up of 10% on reimbursable consultant fees.

Samiotes	Supplemental Topographic Survey & Plan (Task 22)	\$6,750.00
JCJ 10%	(3/20/2019)	\$675.00
TOTAL		\$7,425.00
Samiotes	Supplemental Wetlands Delineation & Report (Task 23)	\$1,090.00
JCJ 10%	(3/20/2019)	\$109.00
TOTAL		\$1,199.00
Samiotes	BLSF Revised Construction documents (Task 24)	\$6,000.00
JCJ 10%	(7/30/2019)	\$600.00
TOTAL		\$6,600.00
Samiotes	BLSF Permitting (Task 25)	\$6,000.00
JCJ 10%	(7/30/2019)	\$600.00
TOTAL		\$6,600.00

Samiotes	Field Access Path Sketches and Coord (Task 26)	\$1,000.00
JCJ 10%	(7/30/2019)	\$100.00
TOTAL		\$1,100.00
Samiotes	BLSF Design Document Revisions/Coordination (Task 27)	\$3,500.00
JCJ 10%	(4/18/2019)	\$350.00
TOTAL		\$3,850.00
Samiotes	Peer Review Responses, Add'l Permit'g Services (Task 28)	\$10,000.00
JCJ 10%	(6/11/2019)	\$1,000.00
TOTAL		\$11,000.00
Samiotes	Pre-K Walkway (Task 29)	\$1,500.00
JCJ 10%	(7/31/2019)	\$150.00
TOTAL		\$1,650.00
LGCI	Additional Explorations required by ConCom)	\$15,765.00
JCJ 10%		\$1,576.50
TOTAL		\$17,341.50
CDW	NTAAWP	\$3,460.00
JCJ 10%	(4/26/2019)	\$346.00
TOTAL		\$3,806.00
CDW	Abatement Monitoring (\$81,562.00 with overtime)	\$65,250.00
JCJ 10%	(7/31/2019)	\$6,525.00
TOTAL		\$71,775.00
CDW	Additional Environmental Services	\$33,470.00
JCJ 10%	(7/12/2019)	\$3,347.00
TOTAL		\$36,817.00
GGD	Technology Equipment Procurement Consulting	\$25,000.00
JCJ 10%	(7/5/2018)	\$2,500.00
TOTAL		\$27,500.00
TOTAL		\$196,663.50

We hope this proposal meets your expectations. Please contact our office with any questions.

Sincerely,

A handwritten signature in blue ink, appearing to read "James E. LaPosta, Jr.", written in a cursive style.

James E. LaPosta, Jr., FAIA, LEED AP
Principal / Chief Architectural Officer

C: DMcDonald
File B17046.01

Attachments:

- Addendum #5 for Designer Services

March 20, 2019

JCJ Architecture
Attn: Daniel F. B. Ruiz, MCPPO
One State Street, Suite 900
Boston, MA 02109



Re: Manchester Memorial E.S. – Manchester-by-the-Sea Add. #2

SCI #17136.01

Dear Dan,

Samiotes Consultants, Inc. (Samiotes) is pleased to present this addendum for additional land surveying services for Manchester Memorial Elementary School located at 43 Lincoln Street in Manchester-by-the-Sea, Massachusetts. Our addendum is as follows:

I – SCOPE OF WORK / TASKS

- A. **2019 Supplemental Topographic Survey & Plan:** Samiotes will conduct a limited topographic survey to supplement the previously completed survey work on the site, limited as shown in the attached "Survey Limits" sketch. Please note that a boundary retracement survey and the setting of markers at lot corners are **not** considered a part of this service.
- B. **2019 Supplemental Wetlands Delineation & Report:** Samiotes will coordinate a site evaluation with a wetlands scientist to identify and characterize existing protectable wetland resource areas and to determine (flag) the boundary of bordering vegetated wetlands from Norwood Avenue to approximately 450 feet northeasterly as shown in blue on the attached "Survey Limits" sketch. The flagging will be performed in accordance with the Massachusetts Wetlands Protection Act and all Federal, State and local regulations. A Wetlands Resource Area Analysis Report will be prepared detailing the results of the wetland scientist's findings.

II – FEE FOR SERVICES (*Invoice Tasks in Italics*)

- A. **2019 Supplemental Topographic Survey & Plan (*Task 22*)**
Fixed Fee –\$6,750.00
Method of Billing – Lump Sum billed monthly based on a percentage of Task completion.
- B. **2019 Supplemental Wetlands Delineation & Report (*Task 23*)**
Fixed Fee –\$1,090.00
Method of Billing – Lump Sum billed monthly based on a percentage of Task completion.

EXPENSES: Reimbursable Expenses are included in the fees listed above.

III – RATE SCHEDULE

Principal/President	\$250.00 per Hour
Expert Witness	\$300.00 per Hour
Civil Senior Project Manager/Senior Associate	\$160.00 per Hour
Registered Professional Land Surveyor (Director)	\$190.00 per Hour
Registered Professional Engineer	\$150.00 per Hour

Samiotes Consultants, Inc.
Civil Engineers + Land Surveyors

20 A Street
Framingham, MA 01701-4102

T 508.877.6688
F 508.877.8349

www.samiotes.com

Manchester Memorial E.S. – Manchester-by-the-Sea Add. #2

Survey Field Crew (1-person)	\$135.00 per Hour
2-Person Survey Field Crew (Construction Layout)	\$2,500.00 per Day
	\$1,500.00 per one-half Day
3-Person Survey Field Crew (Construction Layout)	\$3,500.00 per Day
	\$2,000.00 per one-half Day
Civil Project Manager	\$125.00 per Hour
Soil Evaluator	\$130.00 per Hour
3D Scan Processing	\$130.00 per Hour
Project Engineer	\$ 85.00 – \$110.00 per Hour
Project Surveyor	\$ 85.00 – \$110.00 per Hour
Survey Technician	\$ 75.00 per Hour
Professional Staff	\$ 70.00 per Hour
Administrative Staff	\$ 62.50 per Hour
Archive Retrieval Fee (Up to 1 hour)	\$150.00 Flat Fee

NOTE: If Samiotes Employees are required to be at a job site during a weekend or holiday, the Client will be charged hourly rates at time and a half during weekends and double time on holidays.

Additional services will be performed only upon Authorization to Proceed.

AUTHORIZATION TO PROCEED: Execution of this addendum constitutes Authorization to Proceed. Work will not proceed until this addendum is executed and a signed copy is returned to this office.

VALIDITY: The prices quoted in this addendum are valid for sixty (60) days.

COST: Rates are re-evaluated on an annual basis. Once an addendum is signed, the fees and terms shall be in effect until the end of the calendar year. If the project continues beyond that time, Samiotes' hourly rates and fees will be revised to conform to Samiotes' standard hourly rates for that calendar year. If additional services are contracted, the Client will be notified of the updated rate schedule.

TERMS AND CONDITIONS: The *Terms and Conditions of Agreement* of our original agreement remain in effect.

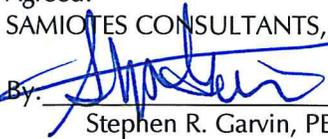
ACCEPTANCE: This addendum for Professional Consulting Services is hereby accepted and executed by a duly authorized signatory who, by execution hereof, warrants that he/she has full authority to act in the name of and on behalf of

JCJ ARCHITECTURE

By: _____ Title: _____

Printed Name: _____ Date: _____

Agreed:
SAMIOTES CONSULTANTS, INC.

By:  _____ Title: President
Stephen R. Garvin, PE, LEED AP

By:  _____ Title: Director of
Todd M. Chapman, PLS Land Surveying

Please return a copy of the executed addendum as Authorization to Proceed. Thank you for this request for additional land surveying services.

Samiotes Consultants, Inc.

SCI #17136.01 Manchester Memorial Elementary School
SUPPLEMENTAL SURVEY LIMITS SKETCH

Legend

-  Manchester Memorial Elementary School
-  Riverbank Flagging
-  Supplemental Survey Limits



Google Earth

© 2018 Google

400 ft

127





July 30, 2019

JCJ Architecture
Attn: Debi McDonald
One State Street, Suite 900
Boston, MA 02109

Re: Manchester Memorial E.S. – Manchester-by-the-Sea (Add. #3) SCI #17136.00

Dear Debi:

Samiotes Consultants, Inc. (Samiotes) is pleased to present this addendum for civil engineering services for Manchester Memorial Elementary School located at 43 Lincoln Street in Manchester-by-the-Sea, Massachusetts. Our addendum is as follows:

I -SCOPE OF SERVICES

- A. **BLSF Revised Construction Documents:** Engineering re-design of the proposed site grading to meet the requirements of the Wetlands Protection Act for the Bordering Land Subject to Flooding (BLSF) elevation from a flood study provided by the peer review engineer previously unknown during the feasibility and design document preparation phases. Also included in this scope is coordination with the project team on the changes required to the plan set to address the comment from the peer reviewer.
- B. **BLSF Permitting:** Coordination with the conservation agent and peer reviewer on the submittals required for the Conservation Commission related to the compensatory flood storage. This includes a compensatory storage analysis for both the existing and proposed condition, as well as various exhibits/calculation sheets to document compliance with the regulations for work within the BLSF to the satisfaction of the Manchester Conservation Commission and peer reviewer. Also included in this task are formal responses to comments/revisions to plans as required by the peer review.
- C. **Field Access Path Sketches and Coordination:** Work to define the potential locations of an accessible compliant field access path during construction, including sketches and coordination with the project team. The work also consists of analysis of the potential permitting impacts to the various proposed options to provide the field access path.

II -FEE FOR SERVICES (*Invoice Tasks in Italics*)

- A. **BLSF Revised Construction Documents** (*Task 24*)
Fixed Fee – \$6,000.00
Method of Billing – Lump Sum billed monthly on a percentage of task completion basis.
- B. **BLSF Permitting:** (*Task 25*)
Fixed Fee – \$6,000.00
Method of Billing – Lump Sum billed monthly on a percentage of task completion basis.

Samiotes Consultants, Inc.
Civil Engineers + Land Surveyors

20 A Street
Framingham, MA 01701-4102

T 508.877.6688
F 508.877.8349

www.samiotes.com

- C. **Field Access Path Sketches and Coordination:** *(Task 26)*
Fixed Fee – \$1,000.00
Method of Billing – Lump Sum billed monthly on a percentage of task completion basis.

EXPENSES: Reimbursable Expenses are included in the fees listed above.

AUTHORIZATION TO PROCEED: Execution of this addendum constitutes Authorization to Proceed. Work will not proceed until this addendum is executed and a signed copy is returned to this office.

VALIDITY: The prices quoted in this addendum are valid for sixty (60) days.

COST: Rates are re-evaluated on an annual basis. Once an addendum is signed, the fees and terms shall be in effect until the end of the calendar year. If the project continues beyond that time, Samiotes' hourly rates will be revised to conform to Samiotes' standard hourly rates for that calendar year. If additional services are contracted, the Client will be notified of the updated rate schedule.

TERMS AND CONDITIONS: The attached *Terms and Conditions of Agreement* is hereby incorporated into this agreement by reference.

ACCEPTANCE: This Addendum for Professional Consulting Services is hereby accepted and executed by a duly authorized signatory who, by execution hereof, warrants that he/she has full authority to act in the name of and on behalf of

JCJ ARCHITECTURE

By: _____ Title: _____

Printed Name: _____ Date: _____

Agreed:

SAMIOTES CONSULTANTS, INC.

By: _____ Title: President
Stephen R. Garvin, PE, LEED AP

Please return a copy of the executed addendum as Authorization to Proceed. Thank you for this request for civil engineering services.



April 18, 2019

JCJ Architecture
Attn: Debi McDonald
One State Street, Suite 900
Boston, MA 02109

Re: Manchester Memorial E.S. – Manchester-by-the-Sea (Add. #4)

SCI #17136.00

Dear Debi:

Samiotes Consultants, Inc. (Samiotes) is pleased to present this addendum for civil engineering services for Manchester Memorial Elementary School located at 43 Lincoln Street in Manchester-by-the-Sea, Massachusetts. Our addendum is as follows:

I -SCOPE OF SERVICES

- A. **BLSF Design Document Revisions/Coordination:** Revised engineering design documents for mitigation of impacts to the Bordering Land Subject to Flooding for the project per information received from the project peer reviewer. Coordination with the project team and town staff on revisions required.

II -FEE FOR SERVICES (*Invoice Tasks in Italics*)

- A. **BLSF Design Document Revisions/Coordination** (*Task 27*)
Fixed Fee – \$3,500.00
Method of Billing – Lump Sum billed monthly on a percentage of task completion basis.

EXPENSES: Reimbursable Expenses are included in the fees listed above.

AUTHORIZATION TO PROCEED: Execution of this addendum constitutes Authorization to Proceed. Work will not proceed until this addendum is executed and a signed copy is returned to this office.

VALIDITY: The prices quoted in this addendum are valid for sixty (60) days.

COST: Rates are re-evaluated on an annual basis. Once an addendum is signed, the fees and terms shall be in effect until the end of the calendar year. If the project continues beyond that time, Samiotes' hourly rates will be revised to conform to Samiotes' standard hourly rates for that calendar year. If additional services are contracted, the Client will be notified of the updated rate schedule.

TERMS AND CONDITIONS: The attached *Terms and Conditions of Agreement* is hereby incorporated into this agreement by reference.

ACCEPTANCE: This Addendum for Professional Consulting Services is hereby accepted and executed by a duly authorized signatory who, by execution hereof, warrants that he/she has full authority to act in the name of and on behalf of

Samiotes Consultants, Inc.
Civil Engineers + Land Surveyors

20 A Street
Framingham, MA 01701-4102

T 508.877.6688
F 508.877.8349

www.samiotes.com

Page 2
April 18, 2019
SCI #17136.00
Manchester Memorial E.S. – Manchester-by-the-Sea Add. #4

JCJ ARCHITECTURE

By: _____ Title: _____

Printed Name: _____ Date: _____

Agreed:

SAMIOTES CONSULTANTS, INC.

By: _____ Title: President
Stephen R. Garvin, PE, LEED AP

Please return a copy of the executed addendum as Authorization to Proceed. Thank you for this request for civil engineering services.

P:\Proposals\2017 Proposals\17136.00 Manchester Memorial E.S. - 43 Lincoln St. - Manchester Add. #4.Doc

DRAFT



July 31, 2019

JCJ Architecture
Attn: Debi McDonald
One State Street, Suite 900
Boston, MA 02109

Re: Manchester Memorial E.S. – Manchester-by-the-Sea (Peer Review Add. #6) SCI #17136.00

Dear Debi:

Samiotes Consultants, Inc. (Samiotes) is pleased to present this addendum for civil engineering services for Manchester Memorial Elementary School located at 43 Lincoln Street in Manchester-by-the-Sea, Massachusetts. Our addendum is as follows:

I -SCOPE OF SERVICES

- A. **Construction Office Access Path Design:** This task includes preparation of a Grading Plan for a temporary pathway to the pre-kindergarten building on the site for use as a construction office by the construction management team. The Grading Plan provided will show the limit of work and path design elevations required to create an accessibly compliant path from the pre-kindergarten building (office) to the existing access drive sidewalk on the east side of the pre-kindergarten building. Any subsequent revisions to this plan or permitting services if required are not included within the scope of this addendum.

II -FEE FOR SERVICES (*Invoice Tasks in Italics*)

- A. **Construction Office Access Path Design** (*Task 29*)
Fixed Fee – \$1,500.00
Method of Billing – Lump Sum billed monthly on a percentage of task completion basis.

EXPENSES: Reimbursable Expenses are included in the fees listed above.

AUTHORIZATION TO PROCEED: Execution of this addendum constitutes Authorization to Proceed. Work will not proceed until this addendum is executed and a signed copy is returned to this office.

VALIDITY: The prices quoted in this addendum are valid for sixty (60) days.

COST: Rates are re-evaluated on an annual basis. Once an addendum is signed, the fees and terms shall be in effect until the end of the calendar year. If the project continues beyond that time, Samiotes' hourly rates will be revised to conform to Samiotes' standard hourly rates for that calendar year. If additional services are contracted, the Client will be notified of the updated rate schedule.

TERMS AND CONDITIONS: The attached *Terms and Conditions of Agreement* is hereby incorporated into this agreement by reference.

ACCEPTANCE: This Addendum for Professional Consulting Services is hereby accepted and executed by a duly authorized signatory who, by execution hereof, warrants that he/she has full authority to act in the name of and on behalf of

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20 A Street
Framingham, MA 01701-4102

T 508.877.6688
F 508.877.8349

www.samiotes.com

Page 2
July 31, 2019
SCI #17136.00
Manchester Memorial E.S. – Manchester-by-the-Sea Peer Review Add. #6

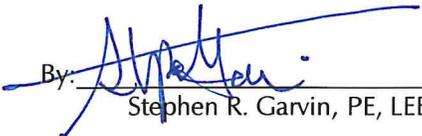
JCJ ARCHITECTURE

By: _____ Title: _____

Printed Name: _____ Date: _____

Agreed:

SAMIOTES CONSULTANTS, INC.

By:  _____ Title: President
Stephen R. Garvin, PE, LEED AP

Please return a copy of the executed addendum as Authorization to Proceed. Thank you for this request for civil engineering services.



June 11, 2019

JCJ Architecture
Attn: Debi McDonald
One State Street, Suite 900
Boston, MA 02109

Re: Manchester Memorial E.S. – Manchester-by-the-Sea (Peer Review Add. #5) SCI #17136.00

Dear Debi:

Samiotes Consultants, Inc. (Samiotes) is pleased to present this addendum for civil engineering services for Manchester Memorial Elementary School located at 43 Lincoln Street in Manchester-by-the-Sea, Massachusetts. Our addendum is as follows:

I -SCOPE OF SERVICES

- A. **Peer Review Responses, Alternatives Analysis, and Additional Permitting Services:** Revised engineering design documents for mitigation of impacts to the Bordering Land Subject to Flooding for the project per information received from the project peer reviewer. Creation of an additional alternatives analysis with the assistance of the Wetland Scientist. Coordination with the project team and town staff on revisions required. Response to four (4) comment letters from the peer review engineer and associated meetings with the peer reviewer and town staff.

II -FEE FOR SERVICES (*Invoice Tasks in Italics*)

- A. **Peer Review Responses, Alternatives Analysis, and Additional Permitting Services (*Task 28*)**
Fixed Fee – \$10,000.00
Method of Billing – Lump Sum billed monthly on a percentage of task completion basis.

EXPENSES: Reimbursable Expenses are included in the fees listed above.

AUTHORIZATION TO PROCEED: Execution of this addendum constitutes Authorization to Proceed. Work will not proceed until this addendum is executed and a signed copy is returned to this office.

VALIDITY: The prices quoted in this addendum are valid for sixty (60) days.

COST: Rates are re-evaluated on an annual basis. Once an addendum is signed, the fees and terms shall be in effect until the end of the calendar year. If the project continues beyond that time, Samiotes' hourly rates will be revised to conform to Samiotes' standard hourly rates for that calendar year. If additional services are contracted, the Client will be notified of the updated rate schedule.

TERMS AND CONDITIONS: The attached *Terms and Conditions of Agreement* is hereby incorporated into this agreement by reference.

ACCEPTANCE: This Addendum for Professional Consulting Services is hereby accepted and executed by a duly authorized signatory who, by execution hereof, warrants that he/she has full authority to act in the name of and on behalf of

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Framingham, MA 01701-4102

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www.samiotes.com

Page 2

June 11, 2019

SCI #17136.00

Manchester Memorial E.S. – Manchester-by-the-Sea Peer Review Add. #5

JCJ ARCHITECTURE

By: _____ Title: _____

Printed Name: _____ Date: _____

Agreed:

SAMIOTES CONSULTANTS, INC.

By: _____ Title: President
Stephen R. Garvin, PE, LEED AP

Please return a copy of the executed addendum as Authorization to Proceed. Thank you for this request for civil engineering services.



April 22, 2019

Ms. Debi McDonald, FAIA
Project Director / Studio Leader
JCJ Architecture
One State Street, Suite 900
Boston, MA 02109
Phone: (617) 532-6600
E-mail: DMcDonald@jcj.com

**Re: Proposal for Additional Explorations
Proposed Manchester Memorial Elementary School
Manchester-By-The-Sea, Massachusetts
LGCI Proposal No. 19043**

Dear Ms. McDonald:

Lahlaf Geotechnical Consulting, Inc. (LGCI) appreciates the opportunity to submit this proposal to provide additional explorations for the proposed Manchester Memorial Elementary School (MMES), Manchester-By-The-Sea, Massachusetts. This proposal is based on our discussions during our conference calls with JCJ, Dore and Whittier (the OPM), the Structural Engineer, the contractor, and the ground improvement specialty contractor on April 11 and 16, 2019.

Background and Project Understanding

The site is located at 43 Lincoln Street in Manchester-by-the-Sea, Massachusetts. The site is occupied by the existing school building, paved areas, and athletic fields.

We understand that the proposed construction will consist of a building with a footprint of about 55,000 square feet which will be located on the southern side of the site.

LGCI recently completed subsurface explorations at the site and submitted a geotechnical report dated April 3, 2019. Our subsurface explorations indicated shallow sand, shallow stiff clay, and shallow clay under different portions of the proposed building. LGCI recommended that where sand occurs near the ground surface, the proposed building should be supported on shallow footings bearing in Structural Fill placed directly on top of the natural sand after the surficial organic soil and existing fill are removed and replaced with Structural Fill. Where any clay is encountered near the ground surface, LGCI recommended supporting the proposed building on shallow footings bearing in ground improved using aggregate piers or rigid inclusions. To help delineate between the different subsurface condition areas, LGCI recommended performing soil probes at the site. In addition, during our recent conference calls, the ground improvement specialty contractor requested two (2) additional borings with undisturbed tube samples.

**Proposal for Additional Explorations
Proposed Manchester Memorial Elementary School
Manchester-By-The-Sea, Massachusetts
LGCI Proposal No. 19043**

The purpose of our services is to perform the probes and additional borings, and to submit undisturbed tube sample to a laboratory for consolidation and shear strength testing.

Scope of Work

1. Utility Location – LGCI prepared a proposed probe and boring location plan and the contractor staked the boring and probe locations in the field. LGCI contacted the utility clearance agency, Dig Safe Systems, Inc. (Dig Safe) and the Town of Manchester-by-the-Sea to assist the owner in locating underground utilities at the site. We also request that a representative of the owner observe our marked exploration locations to clear them for private utilities. LGCI will not assume responsibility for damage to underground features.
2. Drilling Subcontractor for Borings and Probes – We will engage a drilling subcontractor for one (1) day and a probing subcontractor for two (2) days. Our borings will be advanced to depths of 20 to 25 feet or to the top of the sand layer underlying the clay. At least two (2) undisturbed samples will be obtained in the clay. The probes will be advanced through the clay into the sand layer beneath the clay. We anticipate that the probes will be between 15 and 20 feet deep.

The drilling subcontractor will perform standard penetration tests (SPT) in the boring and will obtain split-spoon samples at 5-foot intervals and at perceived strata changes in accordance with ASTM D-1586. No SPT samples will be obtained in the probes.

The boreholes will be backfilled with the soil cuttings, and the ground surface will be restored with asphalt cold patch in paved areas.

We have assumed that the borings will be performed during normal day working hours.

3. Laboratory Testing – We will submit the undisturbed tube samples for two (2) Atterberg Limits test, two (2) consolidation test and two (2) unconsolidated undrained shear strength test.
4. Geotechnical Field Engineer to Observe Borings and Probes – We will provide a field engineer at the site to coordinate and observe the drilling, collect soil samples, and prepare field logs.
5. Borings and Probe Logs, and Laboratory Test Results – We will submit typed boring and probe logs and the results of the laboratory tests.

LGCI's scope of services does not include an environmental assessment for the presence or absence of wetlands, or analytical testing for hazardous or toxic materials in the soil, surface water, groundwater, or air, on or below or around this site. Any statements regarding odors, colors, or unusual or suspicious items or conditions are strictly for the information of the client.



**Proposal for Additional Explorations
Proposed Manchester Memorial Elementary School
Manchester-By-The-Sea, Massachusetts
LGCI Proposal No. 19043**

Recommendations for unsupported slopes, stormwater management, erosion control, pavement design, and detailed cost or quantity estimates are not included in our scope of work.

Proposed Schedule

LGCI has scheduled the borings on April 23, 2019 and the soil probes on April 25 and 26, 2019. LGCI will provide our logs within about one to two weeks of completing the borings and soil probes, and will submit the results of the laboratory tests within about 4 weeks of completing the borings.

Project Fee

We will perform our services for the lump sum of \$15,765. The breakdown of our fee is shown below.

1	Utility Clearance	280
2a	Coordinate with and Engage Drillers for Borings (1 day)	3,335
2b	Coordinate with and Engage Drillers for Probes (2 days)	5,960
3	Laboratory Testing	1,820
4	Geotech. Eng. to Observe Borings and Probes	3,270
5	Logs and Lab Results	1,100
	Total	<u>15,765</u>

No services beyond those described above would be provided without your prior knowledge and approval. If site conditions or your needs require a change in the scope of work, we will prepare for your approval a change order request that summarizes the changes to the project scope and fee.

Terms and Conditions

We propose to perform our work in accordance with our existing agreement dated February 14, 2017 and signed by Mr. James E. LaPosta of JCJ. Your acceptance of this proposal by signing and returning one complete copy will form our agreement for these services and will serve as written authorization to proceed with the described scope of work.

LGCI trusts that the above proposal will be sufficient to meet your needs. If this proposal is acceptable, please sign and return a complete copy of this proposal to LGCI. If you have any questions, please call us at (978) 330-5912.



**Proposal for Additional Explorations
Proposed Manchester Memorial Elementary School
Manchester-By-The-Sea, Massachusetts
LGCI Proposal No. 19043**

Sincerely,

LAHLAF GEOTECHNICAL CONSULTING, INC.



Abdelmadjid M. Lahlaf, Ph.D., P.E.
Principal Engineer

Enclosures: LGCI's Standard Conditions for Engagement

Agreed to by (please type name): _____ **on (date):** _____

Company Name: _____

Signature: _____





CDW CONSULTANTS, INC.
CIVIL & ENVIRONMENTAL ENGINEERS

April 26, 2019

Debi McDonald
JCJ Architecture
One State Street, Suite 900
Boston, MA 02109

RE: Proposal for NTAAWP
Manchester Memorial Elementary School
43 Lincoln Street
Manchester by the Sea, MA 01944

Dear Ms. McDonald:

CDW Consultants, Inc. (CDW) is pleased to present this proposal to JCJ Architecture (Client) to prepare a Non Traditional Asbestos Abatement Work Plan (NTAAWP) for abatement of foundations at the Manchester Memorial Elementary School, located at 43 Lincoln Street, Manchester by the Sea, Massachusetts (Site). Our proposal includes the Scope of Services, Schedule of Services, Fee for Services, and Terms and Conditions.

SCOPE OF SERVICES

CDW's proposed Scope of Services is categorized in the following tasks:

Task 1. Non Traditional Asbestos Abatement Work Plan

CDW will prepare a Non Traditional Asbestos Abatement Work Plan for bulk loading of foundations with asbestos containing mastic. Contractor to provide plans depicting Site layouts (decon pad, truck wash, decon areas etc.) for the NTAAWP. CDW will submit one electronic copy to the Massachusetts Department of Environmental Protection (MassDEP) and make revisions as necessary.

SCHEDULE OF SERVICES

CDW will commence work on this project upon receipt of written authorization to proceed. The schedule for completion of these tasks is based upon Client's needs and from written authorization to proceed. This proposal may be subject to change based upon final design.

FEE FOR SERVICES

For this project, as defined in SCOPE OF SERVICES, compensation shall be on a time and material basis estimated as follows:

Task 1. NTAAWP

Labor:	\$ 3,460
Task 1 Subtotal	\$ 3,460
<u>Total Estimated Project Costs</u>	<u>\$ 3,460</u>



ASSUMPTIONS AND LIMITATIONS

For additional services not included herein, CDW will provide a proposal at that time for additional services.

TERMS AND CONDITIONS

CDW will accept applicable Terms and Conditions of the Contract for Designer Services (i.e., the Prime Agreement) between the Manchester by the Sea School District and Client.

Please sign a copy of this agreement. Retain a copy for your files and return the other to us, the receipt of which shall constitute Notice-to Proceed. If you have any questions, please do not hesitate to contact Susan Cahalan at extension 25. We look forward to working with you on this project. Thank you for considering CDW Consultants, Inc.

Very truly yours,
CDW CONSULTANTS, INC.

AGREED AND ACCEPTED BY CLIENT:

A handwritten signature in blue ink, appearing to read 'W. J. Betters', with a long horizontal flourish extending to the right.

William J. Betters, PG, LSP
Director of Environmental Services

Name _____
Title _____



CDW CONSULTANTS, INC.
CIVIL & ENVIRONMENTAL ENGINEERS

July 31, 2019

Ms. Debi McDonald
JCJ Architecture
One State Street, Suite 900
Boston, MA 02109

RE: Proposal for Construction Phase Services
Manchester Memorial Elementary School
43 Lincoln Street
Manchester by the Sea, MA 01944

Dear Ms. McDonald:

CDW Consultants, Inc. (CDW) is pleased to present this revised proposal to JCJ Architecture (Client) to provide construction phase services at the Manchester Memorial Elementary School, located at 43 Lincoln Street, Manchester by the Sea, Massachusetts (Site). This work will be conducted in accordance with United States Environmental Protection Agency (USEPA) National Emissions Standards for Hazardous Air Pollutants (NESHAPs) regulations. Client shall provide CDW adequate notice (5 days) prior to the start of abatement to coordinate staffing resources.

The original proposal was submitted on February 11, 2019 (Original Proposal). This revised proposal reflects an estimate of project monitoring shifts based upon information from the Client and known Site conditions at this time. The actual number of monitoring shifts that will be required for project completion cannot be predicted and are contingent on the contractor's schedule, whether they employ fully staffed crews, and whether other latent materials are subsequently located.

Our proposal includes the Scope of Services, Schedule of Services, Fee for Services, and Terms and Conditions.

SCOPE OF SERVICES

CDW's proposed Scope of Services is categorized in the following tasks:

Task 1. Abatement Project Monitoring

CDW will conduct daily project monitoring in accordance with USEPA Asbestos Hazard Emergency Response Act (AHERA) regulations during asbestos abatement. CDW will document the quantities, locations, and types of asbestos-containing materials (ACM) abated and conduct visual inspections to ensure the proper containment work area preparations have been completed to perform the work in accordance with the construction technical specifications related to asbestos and hazardous materials abatement. CDW's labor cost for project monitoring during abatement activities is based upon a total of one person for fifty (50) 8-hour shifts on-site, assuming work will occur during 1st shift daytime hours. The budget for each shift is based on the abatement schedule provided by JCJ. In addition, a 25% contingency allowance has been



included for 2nd and weekend work for budgeting purposes.

CDW will provide daily air monitoring during asbestos abatement to ensure the abatement procedures used by the asbestos abatement contractor are appropriate, and that contractor activities are coordinated with the construction manager for efficiency. CDW assumes that the construction manager will be available to assist in coordinating other work that may occur at the Site during the hazardous materials abatement activities.

CDW will prepare daily field notes for the amounts and types of asbestos-containing materials (ACM) and other hazardous materials (OHM) abated. CDW's notes will be compared and reconciled daily with contractor's written summary of quantities abated to ensure accurate recordkeeping by the Contractor. CDW will notify you if issues arise during abatement regarding the reconciliation of quantities of ACM and OHM removed.

CDW will attend up to four (4) on-site project meetings. CDW will manage project monitoring services and will be available support the on-site staff and provide air clearance letters as needed.

CDW will collect air samples for laboratory analysis using Phase Contrast Microscopy (PCM) during abatement activities. Clearance air sampling and analysis will be performed in accordance with AHERA regulations. For work areas where the total amount of ACM abated exceeds 260 linear feet or 160 square feet, analysis will be conducted via Transmission Electron Microscopy (TEM), per AHERA regulations. Up to 400 PCM and up to 50 TEM air samples are included herein.

Task 2. Final Abatement Report

CDW will compile the abatement notes and quantities into a single Final Abatement Closure Report. The Report will summarize the work completed and provide clearance letters prior to demolition.

SCHEDULE OF SERVICES

CDW will commence work on this project upon receipt of written authorization to proceed. The schedule for completion of these tasks is based upon Client's needs and from written authorization to proceed. This proposal may be subject to change based upon final design.

FEE FOR SERVICES

For this project, as defined in SCOPE OF SERVICES, compensation shall be on a time and material basis estimated as follows:

Task 1. Phase I - Abatement Project Monitoring

Labor:	\$ 1,750
Expenses: Licensed Project Monitor	\$ 7,250
PCM Samples (up to 100)	\$ 2,400
TEM Samples (up to 50)	<u>\$ 1,200</u>



<u>Phase II - Abatement Project Monitoring</u>	
Labor:	\$ 2,625
Expenses: Licensed Project Monitor (20 days)	\$14,500
PCM Samples (up to 200)	\$ 4,800
TEM Samples (up to 200)	<u>\$ 2,400</u>

<u>Phase III - Abatement Project Monitoring</u>	
Labor:	\$ 2,625
Expenses: Licensed Project Monitor (20 days)	\$14,500
PCM Samples (up to 200)	\$ 4,800
TEM Samples (up to 200)	<u>\$ 2,400</u>

Task 1 Subtotal **\$61,250**

Task 2. Abatement Report

Labor:	<u>\$ 4,000</u>
Task 2 Subtotal	\$ 4,000

Total Estimated Project Costs **\$65,250**

As requested, CDW is including a contingency to cover the additional cost associated with project monitoring shifts other than 8-hour 1st Shifts. CDW will bill project monitoring shifts as presented, below.

1 st Shift (8 hour):	\$ 725
2 nd Shift (8 hour):	\$ 950
2 nd Shift (10 hour):	\$1,080
Sat. Shift (8 hour):	\$1,080
Sun Shift (8 hour):	\$1,450
Holiday Shift (8 hr):	\$1,450

For budgeting purposes, CDW recommends a 25% overall contingency on project monitoring services, as presented below.

25% Contingency for 2 nd /weekend shifts*	\$16,312
Task 1 Subtotal with 25% Contingency	\$81,562

TERMS AND CONDITIONS

CDW will accept applicable Terms and Conditions of the Contract for Designer Services (i.e., the Prime Agreement) between the Manchester by the Sea School District and Client.

Please sign a copy of this agreement. Retain a copy for your files and return the other to us, the



receipt of which shall constitute Notice-to Proceed. If you have any questions, please do not hesitate to contact Susan Cahalan at extension 25. We look forward to working with you on this project. Thank you for considering CDW Consultants, Inc.

Very truly yours,
CDW CONSULTANTS, INC.

AGREED AND ACCEPTED:

A handwritten signature in blue ink, appearing to read 'W. J. Betters', with a long horizontal flourish extending to the right.

William J. Betters, P.G., LSP
Director of Environmental Services

BY: _____
TITLE: _____
DATE: _____



CDW CONSULTANTS, INC.
CIVIL & ENVIRONMENTAL ENGINEERS

July 12, 2019

Ms. Debi McDonald
JCJ Architecture
One State Street, Suite 900
Boston, MA 02109

RE: Added Professional Services for Soil Management
Manchester Memorial Elementary School
43 Lincoln Street, Manchester by the Sea, MA 01944

Dear Ms. McDonald:

CDW Consultants, Inc. (CDW) is pleased to present this proposal to JCJ Architecture (Client) for added professional environmental services to perform soil management services at the Manchester Memorial Elementary School, located at 43 Lincoln Street, Manchester by the Sea, Massachusetts (Site). Our proposal includes a Scope of Services, a Schedule of Services, Fee for Services, Terms and Conditions, Exclusions, and Assumptions.

SCOPE OF SERVICES

The following is a general summary of tasks to be performed under this Agreement.

Task 1. Expedited Sampling and Initial Precharacterization of Soil

On July 1, 2019 CDW collected 6 composite soil samples at the Site to precharacterize approximately 2,200 to up to 3,000 cubic yards of topsoil. Some of the topsoil had been excavated and stockpiled and some was undisturbed at the time of sampling. The samples were each composed of 6 individual sub-samples that were collected in mapped out areas to represent approximate volumes of 500 cubic yards. Each set of sub-samples were composited into one sample for each 500 cubic yard volume of soil. The samples were then submitted to a Massachusetts Certified Laboratory for expedited turnaround analysis for full disposal/reuse characterization. This included the following parameters:

Total Petroleum Hydrocarbons (TPH), Volatile Organic Compounds (VOCs), Semi-Volatile Organic Compounds (SVOCs), Poly-Chlorinated Biphenyls (PCBs), MCP 14 Metals, Pesticides and Herbicides, Reactivity, pH/Corrosivity, Flash Point, and Conductivity.

These results were tabulated and compared to Massachusetts Department of Environmental Protection's (MassDEP) Reportable Concentration, Category S-1 (RCS-1) Thresholds. Due to the exceedance of one Poly-Cyclic Aromatic Hydrocarbon (PAH), Benzo-A-Pyrene, in one composite sample above the applicable RCS-1 standard of 2 milligrams per kilogram (mg/Kg, or parts per million, ppm), a 120-day reporting condition may be required. As such the following additional tasks are recommended:



Task 2. Test Sample LC-2 for Extractable Petroleum Hydrocarbons (EPH) and Transmission Electron Microscopy (TEM).

This will serve to address two items. The EPH analysis may establish whether the Benzo-A-Pyrene is the result of petroleum, which was detected at low levels in the soil. If so, up to 100 cubic yards of soil may be removed under a “Limited Removal Action” (LRA). If this is the case, then the 100 cubic yards can be excavated and confirmatory samples collected at the limits of the excavation. If the results are below the RCS-1 threshold, the removal action is considered complete.

In addition to the EPH, the TEM analysis will assist in establishing whether the PAH sample is a background condition, attributed to coal, coal ash, or wood ash. This will be useful in establishing whether the condition qualifies for a specific reporting exemption in the Massachusetts Contingency Plan (MCP, 310 CMR 40.000).

Lastly, the area in question will be resampled and 6 discrete samples that are representative of the soil that composed the original composite will be tested for the presence of PAHs. This may serve as an additional line of evidence that the initial composite sample is not valid or sufficient for reporting purposes.

Task 3. Release Abatement Measure Plan

If neither of the conditions in Task 2 above, are met then the Release must be reported to MassDEP as a 120-day release condition, a Release Abatement Measure Plan (RAM Plan) will be required and further removal actions will occur under that process. CDW will prepare a RAM Plan identifying the nature and extent of contamination, the procedure for soil management and follow-up environmental sampling. If the work can be completed within 6 months of the RAM Plan submittal, then a RAM Completion report will be prepared and submitted.

Task 4. Soil Profiles and LSP Opinion

If soil continues to demonstrate COCs and requires special handling and disposal/recycling/reuse at an approved facility, CDW will prepare Soil Bills of Lading as required under the MCP. In addition, an LSP Opinion will be prepared and a soil profile will be completed. This will include tabulated data compared to facility specific criteria and a plan showing the location of the material that is being managed. Up to two profiles are budgeted herein.

Task 5. Permanent Solution Statement

If the RAM results in the successful removal of all Constituents of Concern (COCs) and no further risk is present, then a Permanent Solution Statement will be prepared. For the purposes of this proposal, given the low detection of one COC, it is anticipated that the PSS (1) will not require extensive soil and groundwater sampling, (2) an MCP Method 1 risk assessment can be used



(comparing the results to specific standards) and, (3) that no activity and use limitations (AUL) will be required.

In the event that there are additional testing requirements, a more comprehensive risk assessment or an AUL is needed to limit risk, these will be addressed under separate cover at an additional cost.

SCHEDULE OF SERVICES

CDW Consultants, Inc. will commence the work outlined in SCOPE OF SERVICES upon receipt of your written authorization to proceed. CDW will work within the established design schedule and coordinate with other disciplines as needed to complete project documents within such schedule.

FEE FOR SERVICES

For this project as defined in SCOPE OF SERVICES, compensation shall be on a time and materials basis. Invoices will be submitted on a monthly basis. Our fee is detailed as follows:

<u>Task 1. Expedited Sampling and Initial Precharacterization of Soil (Complete)</u>	
Labor:	\$ 2,970
Expenses: Labs, Soil	\$ 10,943
Equipment (PID), Mileage	\$ 200
Subtotal Task 1	<u>\$ 14,113</u>
<u>Task 2. Test Sample LC-2 for EPH, TEM, and impacted area for PAH</u>	
Labor:	\$ 2,000
Expenses: Labs,	\$ 1,099
Mileage	\$ 100
Subtotal Task 2	<u>\$ 3,199</u>
<u>Task 3. Release Abatement Measure Plan (if required)</u>	
Labor:	\$ 6,180
Expenses: RAM Filing Fee,	\$ 1,078
Subtotal Task 3	<u>\$ 7,258</u>
<u>Task 4. Soil Profiles and LSP Opinion (2)</u>	
Labor:	\$ 3,140
Subtotal Task 4	<u>\$ 3,140</u>
<u>Task 5. Permanent Solution Statement (if required)</u>	
Labor:	\$ 5,760
Subtotal Task 5	<u>\$ 5,760</u>
<u>Total Estimated Project Cost</u>	<u>\$ 33,470</u>



EXCLUSIONS

The following work is excluded from this Scope of Work:

- Soil excavation, transport and disposal (performed by others);
- Other MassDEP compliance in the event other unforeseen conditions are encountered;
- Additional sampling and laboratory analytical parameters beyond what have been proposed for facility specific permit requirements;
- On-site oversight of excavation and loading during construction phase;
- Additional soil pre-characterization beyond that identified for the remaining 500 cubic yards of material;
- Preparation of any permits or payment of any fees beyond those specified in the above Scope;
- Laboratory rush charges to obtain sample results in under 7 days: and

ASSUMPTIONS

The following Assumptions are incorporated into this Agreement:

It is assumed that free and clear site access is available to conduct our investigation.

TERMS AND CONDITIONS

CDW will accept applicable Terms and Conditions of the Contract for Designer Services (i.e., the Prime Agreement) between the Manchester by the Sea School District and JCJ Architects.

Please sign a copy of this Agreement. Retain a copy for your files and return the other to us, the receipt of which shall constitute Notice-to-Proceed. If you have any questions, please do not hesitate to contact Bill Betters at extension 27. Thank you for considering CDW for this important work.

Very truly yours,

CDW CONSULTANTS, INC.

AGREED AND ACCEPTED:

William J. Betters, P.G., L.S.P.
Associate Principal
Director of Environmental Services

BY: _____
TITLE: _____
DATE: _____



Garcia, Galuska & DeSousa

Consulting Engineers Inc.

370 Faunce Corner Road, Dartmouth, MA 02747-1217

L#62049
Proposal

July 5, 2018

JCJ Architecture
One State Street, Suite 900
Boston, MA 02109

Attn: Daniel F. B. Ruiz, MCPPO

Re: Manchester Memorial Elementary School-Technology Equipment Procurement
Manchester, MA

Dear Mr. Ruiz,

Per your request we are pleased to submit our proposal for equipment procurement services for the technology system for the above referenced project. This contract is in addition to the previous infrastructure contract.

THE PROJECT

The project, as we understand it, is for the new construction of the approximately 82,500 s.f. Manchester Memorial Elementary School. The estimated construction cost is \$43,000,000.00.

The design work shall include the preparation of specifications for technology equipment as follows: Wireless network electronics; network switches; computers & basic software (Microsoft Office); servers & server racks; printers/scanners; interactive projectors or flat panel touch screens; video message boards; document cameras; portable projectors; telephone system and handsets.

The following systems and equipment are **excluded** from this proposal: Language lab (where PC's are required, the PC will be included); TV Studio; MIDI Lab or electronic music equipment; POS system, software and cash registers; library cataloging system and software; copiers; industrial printers (laser engraver/3D printers etc.); shop equipment.

We will assist in selecting a vendor and providing recommendations. Our scope also includes aiding Owner's program manager in determining payment of requisitions and purchase orders.

BASIC SERVICES

1. Technology system shall include equipment types and specification of equipment as indicated above. Floor plans shall be produced indicating locations of the various equipment to be installed. In addition, we will coordinate work with owner and vendor so that we are a single point contact for both parties.
2. We will meet at various times to discuss equipment selections prior to bid, not to exceed three meetings. Attendance at meetings beyond three will be considered additional service and billed on a time and material basis.
3. We will organize bid document pick up either at our office or another designated location.
4. Coordination and ordering of internet/telephone/CATV services is not included in the proposal and will be considered and additional service under a time and material basis.

5. We will assist in selecting a vendor or multiple vendors and provide recommendations. We will also assist in coordination with each vendor during phasing. Our scope includes aiding Owner's Project Manager in determining payment of requisitions and purchase orders.
6. We will provide an up-to-date cost estimate to keep the equipment purchased within the budget amount using state contract pricing until the equipment packages are bid.
7. We will coordinate with other system vendors (such as furniture, computer equipment, etc.) where appropriate to facilitate equipment.
8. We will furnish floor plans for owner review showing indication of equipment type proposed.
9. Documents will consist of CAD drawings with 8½" x 11" paper specifications.
10. The project will be bid as two packages. All work will be part of a new contract subject to State Bid List requirements.
11. Services during construction include review of equipment; document interpretation and clarification as may be required. Periodic observations of the construction work and reports thereon are included to a maximum of two per phase of the project. Site observations are to determine general conformance of the work to the intent of the Documents.

COMPENSATION AND PAYMENT

In consideration of the above, we propose a lump sum fee of Twenty-Five Thousand Dollars (**\$25,000.00**), detailed as follows:

PHASE-TECHNOLOGY PROCUREMENT	FEE
20% Document Submission	\$ 2,500.00
50% Document Submission	\$ 6,250.00
90% Document Submission	\$10,000.00
100% Document Submission	\$ 1,250.00
Construction Administration	\$ 5,000.00
Total	\$25,000.00

Payment for the fee shall be made within 30 days of billing. Billings shall be rendered monthly in proportion to the services performed in the preceding 30-day period.

EXTRA SERVICES

Extra services shall be as set forth in Article 8 of the MSBA Designer Services Base Contract V.02.25.11. Extra services shall be confirmed and authorized in writing prior to rendering of same and may be compensated either by hourly reimbursement or on a mutually agreed upon fixed fee. Compensation for hourly services shall be in accordance with the following:

Principal	\$150.00/hr
Senior Engineer	\$125.00/hr
Engineer	\$105.00/hr
Draftsmen	\$ 70.00/hr
Clerical	\$ 50.00/hr
Site Visits	\$500.00/visit

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REIMBURSABLE EXPENSES

Reimbursable expenses shall be as set forth in Article 9 of the MSBA Designer Services Base Contract V.02.25.11.

We provide complete insurance coverage which includes \$4,000,000 aggregate Professional Liability Insurance coverage. Upon acceptance of this proposal, we will provide you with proper certification.

If the above meets with your approval, please return a signed copy to our office. This will act as our agreement and notice to proceed.

Very truly yours,

Garcia, Galuska & DeSousa
Consulting Engineers Inc.



David M. Pereira, P.E.

JCJ Architecture

Daniel F. B. Ruiz, MCPPO

Date

DMP: map



Manchester Essex Regional School District
School Building Committee

Meeting Date: 8/13/19
Meeting No. 45



Member name	Town/Affiliation	email contact	Signature
** Caroline Weld	SBC Co-Chair -Manchester	weldc1@mersd.org	
** Ann Cameron	SBC Co-Chair-Essex	cameron@mersd.org	<i>Ann Cameron</i>
* Alva Ingaharro	School Comm. Member/Essex	alvai@comcast.net	
* Pam Beaudoin	Superintendent of Schools	beaudoinp@mersd.org	<i>Pam Beaudoin</i>
* Avi Urbas	Dir. Of Finance & Operations	urbasa@mersd.org	<i>Avi Urbas</i>
* John Willis	Principal MMES	willisj@mersd.org	
Jason Waldron	Facilities Director	waldronj@mersd.org	
* Andy Oldeman	Manchester Finance Comm	aoldeman@smma.com oldemana@mersd.org	<i>Andy Oldeman</i>
* Lisa O'Donnell	Essex Board of Selectman	lisaengineer@comcast.net odonnell@mersd.org	
* Remko Brueker	Manchester	remko@breukerdesign.com breukerr@mersd.org	<i>Remko Brueker</i>
* Adam Zaiger	Manchester	aзаiger@choate.com zaigera@mersd.org	
* Tyler Virden	Essex	tyler@windover.com virdent@mersd.org	<i>TV</i>
* George Scharfe	Manchester	gscharfe@johnpenney.com scharfeq@mersd.org	
* Gordon Brewster	Manchester	gbrewster@smma.com brewsterq@mersd.org	<i>Gordon Brewster</i>
* Charlie Hay	Essex	chay@tappe.com	
* Sarah Creighton	Manchester	sarahhammondcreighton@gmail.com creightons@mersd.org	<i>Sarah Creighton</i>
* Maggie Tomaiolo	Essex	tomaolom@mersd.org	<i>Maggie Tomaiolo</i>
* Jake Foster	Essex	fosterig@verizon.net	<i>Jake Foster</i>
Mike Burton	DWMP	mburton@doreandwhittier.com	<i>Mike Burton</i>
Chip Heitkamp	DWMP	cheitkamp@doreandwhittier.com	<i>Chip Heitkamp</i>
Christina Shefferman	DWMP	cshefferman@doreandwhittier.com	<i>Christina Shefferman</i>
Rachel Donner	DWMP	rdonner@doreandwhittier.com	<i>Rachel Donner</i>
Jim LePosta	JCJ	jlaposta@jci.com	
Debi McDonald	JCJ	dmcdonald@jci.com	<i>Debi McDonald</i>
Lauren Braren	JCJ	lbraren@jci.com	
Emily Czarniecki	JCJ	eczarniecki@jci.com	
Jon Rich	WT Rich	jonrich@wtrich.com	<i>Jon Rich</i>
Alex Corbett	WT Rich	acorbett@wtrich.com	
Brian Paradee	WT Rich	bparadee@wtrich.com	

** Chair/Co-Chair
*Voting Member