



THE SCHOOL DISTRICT OF
PHILADELPHIA

BOARD OF EDUCATION
Office of Capital Programs
440 North Broad Street, 3rd Floor – Suite 371
Philadelphia, PA 19130

TELEPHONE: (215) 400-4730

Addendum No. 1

Subject: Bid B-087 C of 2016/17 for General Contractor Services on paving & storm water management, September 18, 2018 at 2:00PM

Location: E.W. Rhodes, 2900 W. Clearfield St.

This Addendum, dated September 13, 2018, shall modify and become part of the Bid Request. Any items not mentioned herein, or affected by, shall remain strictly in accordance with the original document.

A. The following attached documents are incorporated by this addendum into the Bidding and Contract Documents for this project:

- 1. Prevailing Wage Rates**
- 2. Corrected Bid Proposal Form**
- 3. Title Page for Section 01 1700-Excavated Soil Management**
- 4. Philadelphia Water Department Construction Certification Package, 6 pages**
- 5. Philadelphia Water Department Record Drawing Requirements, 2 pages**

B. Bidder Questions and Answers

1. Question:

Please advise if any addenda have been issued for this project?

Answer: This is the first addendum issued.

2. Question:

Please advise if the bid date remains 9/11/18?

Answer: Bids are due on Tuesday, September 18, 2018. Refer to Invitation to Bid in Contract Documents.

3. Question:

When is the anticipated NTP?

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Answer: Notice to Proceed is anticipated to be issued on or about December 1, 2018, but that is not guaranteed. The Contractor will have whatever number of days are available between the Notice to Proceed and the fixed completion dates to do the work.

4. Question:

Can the existing onsite material be managed as Clean Fill in accordance with the PADEP Clean Fill Standards?

The Environmental Coordination Specification Section 01 1100 within the bid documents outlines a soil management plan for the project that the Contractor must adhere to.

5. Question:

Can the existing material be used for backfill?

The Environmental Coordination Specification Section 01 1100 within the bid documents outlines a soil management plan for the project that the Contractor must adhere to.

6. Question:

Is there a geotechnical report for this project? If yes, can we have a copy of it?

Answer: There is not a geotechnical report for this project. However, an Infiltration Testing Report with geotechnical laboratory soil testing results was provided in the Bid Documents for informational purposes only.

7. Question:

Were there borings done below the asphalt and concrete for this project?

Answer: Asphalt pavement coring results were provided in the Bid Documents as an attachment to the specifications for informational purposes only.

8. Question:

Are there any work hour restrictions on this project?

Answer: Refer to Section 01 1300 TIME OF COMPLETION, etc. for phasing and sequencing requirements and other work restrictions.

9. Question:

Who is responsible for testing and inspection work?

Answer: The Contractor is responsible for all testing and inspection with the exception of soil testing as outlined within the Environmental Coordination Specification 01 1100.

10. Question:

Will our workers be able to parking on site?

Answer: NO

11. Question:

What permits will the contractor be responsible for?

Answer: The contractor is responsible for obtaining all required permits, including but not limited to: (1) Picking up the approved Building Permit at L&I; (2) Picking up the approved plans and obtaining a Plumbing Permit and New Connection Permit from PWD's

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Water Transport Records Department for the new storm pipe connection; (3) a Curb & Footway Permit; (4) Street Closure Permit; and (5) a Street Opening Permit.

12. Question:

Will there be any consideration given for the high percentages of M&WBE Subcontractor goals and DBE supplier goals? We feel that it will be difficult for this type of project to possibly meet all 3 goals.

Answer: No. Goals remain the same.

13. Question:

Can recycled crushed concrete be used in lieu of 2A stone provided it meets the gradation requirements?

Answer: Yes. Per paragraph 2.1F of the Earthwork specification 312000, recycled crushed concrete may be used as an asphalt base course as long as it meets the requirements of 2A coarse aggregate specified in PENNDOT 408. Testing results will need to be submitted and approved by Engineer of Record.

14. Question:

Will there be a need for an owner's trailer or any temporary utilities for this project?

Answer: No.

15. Question:

Can sand bags be used on temporary fencing?

Answer: Anchoring of the temporary fencing is at the discretion of the Contractor, but the site must be secure from the public and safe at all times. The temporary barriers shown in the Sidewalk Closure Plan (C-309) must comply with the details shown on the Sidewalk Closure Plan and Streets Department standards, therefore sandbags are not permissible here.

16. Question:

Please confirm there is no electrical transformer work in this project. On the demolition plan the hatching for removing full depth asphalt was overlaid on top of the existing concrete transformer pad. Please advise.

Answer: This project does not include any electrical transformer work. Existing concrete at transformer pad to remain.

17. Question:

What are the minimum mowing and watering requirements for the Turfs & Grasses Specification? Since we do not employ Lawn Care maintenance crews can the engineer or owner please provide how many visits will be required? We will need to let the company we higher know if this will need to be a weekly or possibly a biweekly event. And during what months will these activities be required?

Answer: The number or frequency of visits cannot be pre-determined by the Engineer or Owner. The lawn care professional should determine the approximate number of visits that would be required over the one year maintenance period to achieve the maintenance requirements of the Turf and Grasses Specification 329200. Per 329200, the maintenance

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period for turf and meadow grasses is one year from the project's date of Substantial Completion.

18. Question:

Besides the (1) 24" Stop Bar at the driveway entrance on Clearfield Street, is there any other pavement markings required for this project?

Answer: The stop bar is the only pavement marking required for this project.

19. Question:

Will a Police officer be required for set-up and take-down of temporary barriers?

Answer: Contractor shall confirm with the City of Philadelphia. Requirements are based on traffic concerns.

20. Question:

The bid form and OEO participation form reference an electrical project. Can this be corrected and the OEO goals confirmed to be for this project?

Answer: Corrected Bid Proposal Form is attached. MBE/WBE Goals stated on the Notice to Bidders are confirmed to be for this project

21. Question:

Are there any proposed pavement markings on the new parking lots?

Answer: The stop bar is the only pavement marking required for this project.

22. Question:

On the Landscape drawing there are call outs for Turf Grass. Is this meant to be sod? Please advise.

Answer: No sod is specified for this project. The turf grass mixes specified for this project shall be one of the three mixes listed in Section 2.1 of the Turf and Grasses Specification.

23. Question:

Can the existing asphalt in the northern lot of Phase 1 be milled in place and compacted?

Answer: Milling is not acceptable in northern lot of Phase 1. A full-depth asphalt section with binder course and wearing course is required on a rubberized asphalt and existing stone base (per detail) or on a 100% stone base at the Contractor's discretion.

24. Question:

Please provide approximate tie-in elevation for the proposed 24" RCP in W. Clearfield Street.

Answer: The tie-in elevation at the brick storm sewer must be verified in field by the Contractor. Contractor must consult with City plans for the approximate depth of the existing pipe invert below the street surface.

25. Question:

Please provide starting dates for the ending dated in the specifications. These will be necessary with the inclusion of liquidated damages.

Answer: Completion dates are fixed to specific dates. Contractor will have whatever number of days are available from the Notice to Proceed to the fixed completion dates

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26. Question:

In lieu of pulverizing the existing asphalt & stone in phase 1 is removal & replacement acceptable?

Answer: Yes. The Contractor can chose an aggregate base made up of rubblelized asphalt and existing stone or remove all asphalt and use a 100% stone base.

27. Question:

Are any of the pavement areas to be used for parking? If so, will you please provide a drawing with pavement markings?

Answer: Pavement markings for parking spaces are not required for this project. Only the stop bar is required at the lot's driveway onto Clearfield St.

28. Question:

Can all excess material in phase 1 be used as fill or is the intent to export this material and import clean fill?

The Environmental Coordination Specification Section 01 1100 within the bid documents outlines a soil management plan for the project that the Contractor must adhere to.

29. Question:

When does the district expect to issue the addendum and is there going to be a bid extension?

Answer: This is the addendum and no bid extension is being considered.

30. Question:

Reference to the Bid Form on page 2, the heading for the Unit Prices section says (Included in the Lump Sum Price Above). Please clarify why this would need to be included in the Base Bid if we are supplying a unit price and a total for the Offsite Disposal of excess regulated fill based on 873 CY?

Answer: The Base Bid, including the estimated quantities for Unit Price Work, is used to determine the lowest bidder for award; however, the contractor will be paid for the actual quantities of unit price work, whether more or less than the estimated quantities.

End of Addendum #1

Attachments:

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**BUREAU OF LABOR LAW COMPLIANCE
PREVAILING WAGES PROJECT RATES**

Project Name:	E.W. Rhodes Elementary School Paving and Stormwater Management
Awarding Agency:	School District of Philadelphia
Contract Award Date:	9/18/2018
Serial Number:	18-06038
Project Classification:	Highway
Determination Date:	8/22/2018
Assigned Field Office:	Philadelphia
Field Office Phone Number:	(215)560-1858
Toll Free Phone Number:	
Project County:	Philadelphia County

**BUREAU OF LABOR LAW COMPLIANCE
PREVAILING WAGES PROJECT RATES**

Project: 18-06038 - Building	Effective Date	Expiration Date	Hourly Rate	Fringe Benefits	Total
Asbestos & Insulation Workers	5/29/2017		\$47.30	\$34.85	\$82.15
Asbestos & Insulation Workers	5/1/2018		\$49.30	\$35.85	\$85.15
Boilermaker (Commercial, Institutional, and Minor Repair Work)	3/1/2017		\$28.52	\$18.22	\$46.74
Boilermaker (Commercial, Institutional, and Minor Repair Work)	3/1/2018		\$29.52	\$18.22	\$47.74
Boilermakers	1/1/2018		\$46.26	\$33.36	\$79.62
Boilermakers	3/1/2018		\$45.89	\$33.73	\$79.62
Bricklayer	5/1/2017		\$41.04	\$26.87	\$67.91
Bricklayer	5/1/2018		\$43.79	\$26.87	\$70.66
Bricklayer	5/1/2019		\$46.54	\$26.87	\$73.41
Carpenter - Chief of Party (Surveying & Layout)	5/1/2017		\$52.67	\$27.59	\$80.26
Carpenter - Instrument Person (Surveying & Layout)	5/1/2017		\$45.80	\$27.59	\$73.39
Carpenter - Rodman (Surveying & Layout)	5/1/2017		\$22.90	\$19.64	\$42.54
Carpenters	5/1/2017		\$45.80	\$27.59	\$73.39
Cement Masons	5/1/2018		\$37.50	\$32.26	\$69.76
Cement Masons	5/1/2017		\$36.45	\$31.76	\$68.21
DockBuilder/Pile Drivers (Building, Heavy & Highway)	5/1/2018		\$43.45	\$34.47	\$77.92
Dockbuilder/Piledriver (Building, Heavy, Highway)	11/1/2017		\$43.45	\$33.22	\$76.67
Dockbuilder/Piledriver (Building, Heavy, Highway)	5/1/2018		\$44.70	\$33.22	\$77.92
Drywall Finisher	5/1/2017		\$38.13	\$27.03	\$65.16
Drywall Finisher	5/1/2018		\$39.27	\$27.49	\$66.76
Electricians	4/29/2018		\$58.33	\$37.41	\$95.74
Electricians	4/30/2017		\$56.50	\$36.24	\$92.74
Electricians-Telecommunications Senior Technician	4/30/2017		\$51.99	\$24.01	\$76.00
Electricians-Telecommunications Senior Technician	5/2/2016		\$53.02	\$22.99	\$76.01
Electricians-Telecommunications Senior Technician	4/29/2018		\$56.16	\$25.84	\$82.00
Electricians-Telecommunications Tech A (See notes)	4/29/2018		\$51.62	\$24.99	\$76.61
Electricians-Telecommunications Tech A (See notes)	5/2/2016		\$48.49	\$22.12	\$70.61
Electricians-Telecommunications Tech A (See notes)	4/30/2017		\$47.44	\$23.17	\$70.61
Elevator Constructor	1/1/2018		\$55.76	\$33.05	\$88.81
Floor Layer	5/1/2017		\$46.26	\$27.91	\$74.17
Glazier	5/1/2017		\$41.30	\$31.80	\$73.10
Iron Workers	7/1/2018		\$48.80	\$34.16	\$82.96
Iron Workers	7/1/2017		\$47.30	\$32.91	\$80.21
Iron Workers - Reinforcing Steel Mesh - Rebar	7/1/2017		\$44.98	\$29.30	\$74.28
Iron Workers (Riggers)	7/1/2017		\$41.78	\$27.92	\$69.70
Laborer (Mason Tenders, Brick)	5/1/2017		\$29.77	\$26.00	\$55.77
Laborers (Class 01 - See notes)	5/1/2017		\$29.50	\$25.77	\$55.27
Laborers (Class 02 - See notes)	5/1/2017		\$30.85	\$25.65	\$56.50
Laborers (Class 03 - See notes)	5/1/2017		\$30.02	\$25.77	\$55.79
Laborers (Class 04 - See notes)	5/1/2017		\$28.95	\$24.95	\$53.90
Laborers (Class 05 - See notes)	5/1/2017		\$29.90	\$25.77	\$55.67
Landscape Laborer	5/1/2017		\$22.71	\$23.08	\$45.79
Marble Finisher	5/1/2018		\$37.55	\$24.17	\$61.72

**BUREAU OF LABOR LAW COMPLIANCE
PREVAILING WAGES PROJECT RATES**

Project: 18-06038 - Building	Effective Date	Expiration Date	Hourly Rate	Fringe Benefits	Total
Marble Finisher	5/1/2019		\$39.75	\$24.17	\$63.92
Marble Finisher	5/1/2017		\$35.55	\$24.17	\$59.72
Marble Mason	5/1/2018		\$43.11	\$26.99	\$70.10
Marble Mason	5/1/2019		\$45.86	\$26.99	\$72.85
Marble Mason	5/1/2017		\$40.36	\$26.99	\$67.35
Millwright	7/1/2017		\$41.35	\$32.24	\$73.59
Operators (Building, Class 01 - See Notes)	5/1/2021		\$51.04	\$29.97	\$81.01
Operators (Building, Class 01 - See Notes)	5/1/2017		\$44.87	\$28.14	\$73.01
Operators (Building, Class 01 - See Notes)	5/1/2018		\$46.41	\$28.60	\$75.01
Operators (Building, Class 01 - See Notes)	5/1/2020		\$49.50	\$29.51	\$79.01
Operators (Building, Class 01 - See Notes)	5/1/2019		\$47.95	\$29.06	\$77.01
Operators (Building, Class 01A - See Notes)	5/1/2017		\$47.86	\$29.03	\$76.89
Operators (Building, Class 01A - See Notes)	5/1/2018		\$49.41	\$29.49	\$78.90
Operators (Building, Class 01A - See Notes)	5/1/2021		\$54.05	\$30.85	\$84.90
Operators (Building, Class 01A - See Notes)	5/1/2019		\$50.96	\$29.94	\$80.90
Operators (Building, Class 01A - See Notes)	5/1/2020		\$52.50	\$30.40	\$82.90
Operators (Building, Class 02 - See Notes)	5/1/2021		\$50.80	\$29.89	\$80.69
Operators (Building, Class 02 - See Notes)	5/1/2019		\$47.70	\$28.99	\$76.69
Operators (Building, Class 02 - See Notes)	5/1/2017		\$44.62	\$28.07	\$72.69
Operators (Building, Class 02 - See Notes)	5/1/2020		\$49.25	\$29.44	\$78.69
Operators (Building, Class 02 - See Notes)	5/1/2018		\$46.16	\$28.53	\$74.69
Operators (Building, Class 02A - See Notes)	5/1/2019		\$50.71	\$29.87	\$80.58
Operators (Building, Class 02A - See Notes)	5/1/2020		\$52.26	\$30.31	\$82.57
Operators (Building, Class 02A - See Notes)	5/1/2018		\$49.16	\$29.42	\$78.58
Operators (Building, Class 02A - See Notes)	5/1/2021		\$53.81	\$30.77	\$84.58
Operators (Building, Class 02A - See Notes)	5/1/2017		\$47.61	\$28.97	\$76.58
Operators (Building, Class 03 - See Notes)	5/1/2018		\$42.07	\$27.33	\$69.40
Operators (Building, Class 03 - See Notes)	5/1/2017		\$40.53	\$26.87	\$67.40
Operators (Building, Class 03 - See Notes)	5/1/2019		\$43.62	\$27.78	\$71.40
Operators (Building, Class 03 - See Notes)	5/1/2020		\$45.17	\$28.24	\$73.41
Operators (Building, Class 03 - See Notes)	5/1/2021		\$46.71	\$28.69	\$75.40
Operators (Building, Class 04 - See Notes)	5/1/2017		\$40.24	\$26.78	\$67.02
Operators (Building, Class 04 - See Notes)	5/1/2018		\$41.78	\$27.22	\$69.00
Operators (Building, Class 04 - See Notes)	5/1/2019		\$43.32	\$27.69	\$71.01
Operators (Building, Class 04 - See Notes)	5/1/2020		\$44.86	\$28.14	\$73.00
Operators (Building, Class 04 - See Notes)	5/1/2021		\$46.41	\$28.60	\$75.01
Operators (Building, Class 05 - See Notes)	5/1/2017		\$38.51	\$26.27	\$64.78
Operators (Building, Class 05 - See Notes)	5/1/2018		\$40.05	\$26.73	\$66.78
Operators (Building, Class 05 - See Notes)	5/1/2019		\$41.60	\$27.18	\$68.78
Operators (Building, Class 05 - See Notes)	5/1/2020		\$43.14	\$27.64	\$70.78
Operators (Building, Class 05 - See Notes)	5/1/2021		\$44.69	\$28.10	\$72.79
Operators (Building, Class 06 - See Notes)	5/1/2017		\$37.52	\$25.98	\$63.50
Operators (Building, Class 06 - See Notes)	5/1/2018		\$39.07	\$26.43	\$65.50
Operators (Building, Class 06 - See Notes)	5/1/2019		\$40.61	\$26.89	\$67.50

**BUREAU OF LABOR LAW COMPLIANCE
PREVAILING WAGES PROJECT RATES**

Project: 18-06038 - Building	Effective Date	Expiration Date	Hourly Rate	Fringe Benefits	Total
Operators (Building, Class 06 - See Notes)	5/1/2020		\$42.16	\$27.35	\$69.51
Operators (Building, Class 06 - See Notes)	5/1/2021		\$43.70	\$27.80	\$71.50
Operators (Building, Class 07A- See Notes)	5/1/2018		\$55.99	\$33.02	\$89.01
Operators (Building, Class 07A- See Notes)	5/1/2021		\$61.55	\$34.65	\$96.20
Operators (Building, Class 07A- See Notes)	5/1/2017		\$54.14	\$32.47	\$86.61
Operators (Building, Class 07A- See Notes)	5/1/2019		\$57.84	\$33.57	\$91.41
Operators (Building, Class 07A- See Notes)	5/1/2020		\$59.70	\$34.10	\$93.80
Operators (Building, Class 07B- See Notes)	5/1/2019		\$57.55	\$33.47	\$91.02
Operators (Building, Class 07B- See Notes)	5/1/2021		\$61.26	\$34.58	\$95.84
Operators (Building, Class 07B- See Notes)	5/1/2020		\$59.40	\$34.03	\$93.43
Operators (Building, Class 07B- See Notes)	5/1/2018		\$55.70	\$32.92	\$88.62
Operators (Building, Class 07B- See Notes)	5/1/2017		\$53.84	\$32.40	\$86.24
Painter	5/1/2018		\$38.64	\$27.64	\$66.28
Painters Class 1 (see notes)	2/1/2018		\$43.18	\$27.23	\$70.41
Painters Class 1 (see notes)	5/1/2017		\$37.82	\$26.46	\$64.28
Painters (Bridges, Stacks, Towers)	2/1/2018		\$54.15	\$27.52	\$81.67
Painters (Brush and Roller)(Industrial)	2/1/2018		\$43.18	\$27.23	\$70.41
Painters Class 2 (see notes)	2/1/2018		\$54.14	\$27.27	\$81.41
Painters Class 2 (see notes)	2/1/2017		\$53.67	\$26.09	\$79.76
Painters Class 3 (see notes)	5/1/2017		\$38.20	\$26.46	\$64.66
Plasterers	5/1/2018		\$39.32	\$30.04	\$69.36
Plasterers	5/1/2018		\$37.42	\$30.04	\$67.46
Plasterers	5/1/2017		\$38.87	\$28.83	\$67.70
plumber	5/1/2018		\$53.45	\$33.54	\$86.99
Plumbers	5/1/2017		\$51.42	\$32.57	\$83.99
Plumbers	5/1/2016		\$49.23	\$31.76	\$80.99
Pointers, Caulkers, Cleaners	5/1/2016		\$39.76	\$25.69	\$65.45
Pointers, Caulkers, Cleaners	5/1/2018		\$45.01	\$25.69	\$70.70
Pointers, Caulkers, Cleaners	5/1/2019		\$47.76	\$25.69	\$73.45
Pointers, Caulkers, Cleaners	5/1/2017		\$42.26	\$25.69	\$67.95
Roofers (Composition)	5/1/2018		\$37.15	\$31.27	\$68.42
Roofers (Composition)	5/1/2017		\$36.15	\$30.22	\$66.37
Roofers (Shingle)	5/1/2016		\$25.70	\$19.17	\$44.87
Roofers (Shingle, Slate, Tile)	5/1/2018		\$27.50	\$20.37	\$47.87
Roofers (Slate & Tile)	5/1/2016		\$28.70	\$19.17	\$47.87
Roofers (Slate & Tile)	5/1/2018		\$30.50	\$20.37	\$50.87
Sheet Metal Workers	11/1/2016		\$45.32	\$37.36	\$82.68
Sheet Metal Workers	5/1/2017		\$46.42	\$39.51	\$85.93
Sheet Metal Workers	5/1/2018		\$47.58	\$41.60	\$89.18
Sheet Metal Workers (Building, Heavy, Highway)	5/1/2016		\$45.32	\$36.86	\$82.18
Sign Makers and Hangars	5/20/2011		\$23.70	\$17.69	\$41.39
Sprinklerfitters	1/1/2018		\$53.65	\$26.22	\$79.87
Steamfitters	5/1/2018		\$56.37	\$34.39	\$90.76
Steamfitters	5/1/2017		\$54.64	\$32.84	\$87.48

**BUREAU OF LABOR LAW COMPLIANCE
PREVAILING WAGES PROJECT RATES**

Project: 18-06038 - Building	Effective Date	Expiration Date	Hourly Rate	Fringe Benefits	Total
Stone Masons	5/1/2018		\$43.11	\$26.99	\$70.10
Stone Masons	5/1/2019		\$45.86	\$26.99	\$72.85
Stone Masons	5/1/2016		\$37.86	\$26.99	\$64.85
Stone Masons	5/1/2017		\$40.36	\$26.99	\$67.35
Terrazzo Finisher	5/1/2018		\$41.31	\$22.73	\$64.04
Terrazzo Finisher	5/1/2016		\$37.06	\$22.73	\$59.79
Terrazzo Finisher	5/1/2017		\$39.06	\$22.73	\$61.79
Terrazzo Finisher	5/1/2019		\$43.61	\$22.73	\$66.34
Terrazzo Grinder	5/1/2016		\$37.33	\$22.73	\$60.06
Terrazzo Grinder	5/1/2017		\$39.33	\$22.73	\$62.06
Terrazzo Grinder	5/1/2018		\$41.58	\$22.73	\$64.31
Terrazzo Grinder	5/1/2019		\$43.88	\$22.73	\$66.61
Terrazzo Mechanics	5/1/2016		\$41.21	\$24.81	\$66.02
Terrazzo Mechanics	5/1/2017		\$43.71	\$24.81	\$68.52
Terrazzo Mechanics	5/1/2018		\$46.46	\$24.81	\$71.27
Terrazzo Mechanics	5/1/2019		\$49.21	\$24.81	\$74.02
Tile Finisher	5/1/2018		\$37.55	\$24.17	\$61.72
Tile Finisher	5/1/2016		\$33.55	\$24.17	\$57.72
Tile Finisher	5/1/2017		\$35.55	\$24.17	\$59.72
Tile Finisher	5/1/2019		\$39.75	\$24.17	\$63.92
Tile Layers	5/1/2015		\$41.90	\$22.08	\$63.98
Tile Setter	5/1/2017		\$43.71	\$24.81	\$68.52
Tile Setter	5/1/2018		\$46.46	\$24.81	\$71.27
Tile Setter	5/1/2019		\$49.21	\$24.81	\$74.02
Tile Setter	5/1/2016		\$41.21	\$24.81	\$66.02
Truckdriver class 1(see notes)	5/1/2019		\$33.43	\$17.96	\$51.39
Truckdriver class 1(see notes)	5/1/2021		\$36.48	\$17.96	\$54.44
Truckdriver class 1(see notes)	5/1/2020		\$34.93	\$17.96	\$52.89
Truckdriver class 1(see notes)	5/1/2017		\$30.46	\$17.96	\$48.42
Truckdriver class 1(see notes)	5/1/2018		\$31.93	\$17.96	\$49.89
Truckdriver class 2 (see notes)	5/1/2018		\$32.03	\$17.96	\$49.99
Truckdriver class 2 (see notes)	5/1/2019		\$33.53	\$17.96	\$51.49
Truckdriver class 2 (see notes)	5/1/2020		\$35.03	\$17.96	\$52.99
Truckdriver class 2 (see notes)	5/1/2021		\$36.58	\$17.96	\$54.54
Truckdriver class 2 (see notes)	5/1/2017		\$30.56	\$17.96	\$48.52
Truckdriver class 3 (see notes)	5/1/2021		\$36.83	\$17.96	\$54.79
Truckdriver class 3 (see notes)	5/1/2017		\$30.81	\$17.96	\$48.77
Truckdriver class 3 (see notes)	5/1/2018		\$32.28	\$17.96	\$50.24
Truckdriver class 3 (see notes)	5/1/2019		\$33.78	\$17.96	\$51.74
Truckdriver class 3 (see notes)	5/1/2020		\$35.28	\$17.96	\$53.24

**BUREAU OF LABOR LAW COMPLIANCE
PREVAILING WAGES PROJECT RATES**

Project: 18-06038 - Heavy/Highway	Effective Date	Expiration Date	Hourly Rate	Fringe Benefits	Total
Carpenter - Chief of Party (Surveying & Layout)	5/1/2018		\$53.54	\$27.39	\$80.93
Carpenter - Chief of Party (Surveying & Layout)	5/1/2019		\$55.72	\$27.39	\$83.11
Carpenter - Chief of Party (Surveying & Layout)	5/1/2021		\$60.27	\$27.39	\$87.66
Carpenter - Chief of Party (Surveying & Layout)	5/1/2017		\$51.42	\$27.39	\$78.81
Carpenter - Chief of Party (Surveying & Layout)	5/1/2020		\$57.97	\$27.39	\$85.36
Carpenter - Instrument Person (Surveying & Layout)	5/1/2017		\$44.71	\$27.39	\$72.10
Carpenter - Instrument Person (Surveying & Layout)	5/1/2018		\$46.56	\$27.39	\$73.95
Carpenter - Instrument Person (Surveying & Layout)	5/1/2019		\$48.46	\$27.39	\$75.85
Carpenter - Instrument Person (Surveying & Layout)	5/1/2020		\$50.41	\$27.39	\$77.80
Carpenter - Instrument Person (Surveying & Layout)	5/1/2021		\$52.41	\$27.39	\$79.80
Carpenter - Rodman (Surveying & Layout)	5/1/2017		\$35.77	\$21.19	\$56.96
Carpenter - Rodman (Surveying & Layout)	5/1/2018		\$37.25	\$21.19	\$58.44
Carpenter - Rodman (Surveying & Layout)	5/1/2019		\$38.77	\$21.19	\$59.96
Carpenter - Rodman (Surveying & Layout)	5/1/2020		\$40.33	\$21.19	\$61.52
Carpenter - Rodman (Surveying & Layout)	5/1/2021		\$41.93	\$21.19	\$63.12
Carpenters	5/1/2017		\$44.71	\$27.39	\$72.10
Carpenters	5/1/2018		\$46.56	\$27.39	\$73.95
Carpenters	5/1/2019		\$48.46	\$27.39	\$75.85
Carpenters	5/1/2020		\$50.41	\$27.39	\$77.80
Carpenters	5/1/2021		\$52.41	\$27.39	\$79.80
Cement Masons	5/1/2017		\$34.45	\$31.51	\$65.96
Cement Masons	5/1/2018		\$35.65	\$32.01	\$67.66
Cement Masons	5/1/2019		\$37.90	\$31.51	\$69.41
Cement Masons	5/1/2020		\$39.70	\$31.51	\$71.21
Cement Masons	5/1/2021		\$41.55	\$31.51	\$73.06
Electric Lineman	5/29/2017		\$52.60	\$26.37	\$78.97
Electric Lineman	5/28/2018		\$53.64	\$27.45	\$81.09
Electric Lineman	5/27/2019		\$54.66	\$28.56	\$83.22
Iron Workers	7/1/2017		\$47.30	\$32.91	\$80.21
Iron Workers (Bridge, Structural Steel, Ornamental, Precast, Reinforcing)	1/1/2017		\$46.20	\$31.26	\$77.46
Laborers (Class 01 - See notes)	5/1/2021		\$36.20	\$25.65	\$61.85
Laborers (Class 01 - See notes)	5/1/2018		\$31.25	\$25.65	\$56.90
Laborers (Class 01 - See notes)	5/1/2020		\$34.45	\$25.65	\$60.10
Laborers (Class 01 - See notes)	5/1/2019		\$32.80	\$25.65	\$58.45
Laborers (Class 01 - See notes)	5/1/2017		\$29.75	\$25.65	\$55.40
Laborers (Class 02 - See notes)	5/1/2019		\$33.00	\$25.65	\$58.65
Laborers (Class 02 - See notes)	5/1/2017		\$29.95	\$25.65	\$55.60
Laborers (Class 02 - See notes)	5/1/2018		\$31.45	\$25.65	\$57.10
Laborers (Class 02 - See notes)	5/1/2020		\$34.65	\$25.65	\$60.30
Laborers (Class 02 - See notes)	5/1/2021		\$36.40	\$25.65	\$62.05
Laborers (Class 03 - See notes)	5/1/2017		\$29.95	\$25.65	\$55.60
Laborers (Class 03 - See notes)	5/1/2019		\$33.00	\$25.65	\$58.65
Laborers (Class 03 - See notes)	5/1/2018		\$31.45	\$25.65	\$57.10
Laborers (Class 03 - See notes)	5/1/2020		\$34.65	\$25.65	\$60.30

**BUREAU OF LABOR LAW COMPLIANCE
PREVAILING WAGES PROJECT RATES**

Project: 18-06038 - Heavy/Highway	Effective Date	Expiration Date	Hourly Rate	Fringe Benefits	Total
Laborers (Class 03 - See notes)	5/1/2021		\$36.40	\$25.65	\$62.05
Laborers (Class 04 - See notes)	5/1/2017		\$24.55	\$25.65	\$50.20
Laborers (Class 04 - See notes)	5/1/2018		\$26.05	\$25.65	\$51.70
Laborers (Class 04 - See notes)	5/1/2021		\$31.00	\$25.65	\$56.65
Laborers (Class 04 - See notes)	5/1/2019		\$27.60	\$25.65	\$53.25
Laborers (Class 04 - See notes)	5/1/2020		\$29.25	\$25.65	\$54.90
Laborers (Class 05 - See notes)	5/1/2020		\$35.30	\$25.65	\$60.95
Laborers (Class 05 - See notes)	5/1/2017		\$30.60	\$25.65	\$56.25
Laborers (Class 05 - See notes)	5/1/2018		\$32.10	\$25.65	\$57.75
Laborers (Class 05 - See notes)	5/1/2019		\$33.65	\$25.65	\$59.30
Laborers (Class 05 - See notes)	5/1/2021		\$37.05	\$25.65	\$62.70
Laborers (Class 06 - See notes)	5/1/2017		\$30.65	\$25.65	\$56.30
Laborers (Class 06 - See notes)	5/1/2019		\$33.70	\$25.65	\$59.35
Laborers (Class 06 - See notes)	5/1/2020		\$35.35	\$25.65	\$61.00
Laborers (Class 06 - See notes)	5/1/2018		\$32.15	\$25.65	\$57.80
Laborers (Class 06 - See notes)	5/1/2021		\$37.10	\$25.65	\$62.75
Laborers (Class 07 - See notes)	5/1/2019		\$33.55	\$25.65	\$59.20
Laborers (Class 07 - See notes)	5/1/2017		\$30.50	\$25.65	\$56.15
Laborers (Class 07 - See notes)	5/1/2018		\$32.00	\$25.65	\$57.65
Laborers (Class 07 - See notes)	5/1/2020		\$35.20	\$25.65	\$60.85
Laborers (Class 07 - See notes)	5/1/2021		\$36.95	\$25.65	\$62.60
Laborers (Class 08 - See notes)	5/1/2018		\$31.75	\$25.65	\$57.40
Laborers (Class 08 - See notes)	5/1/2019		\$33.30	\$25.65	\$58.95
Laborers (Class 08 - See notes)	5/1/2021		\$36.70	\$25.65	\$62.35
Laborers (Class 08 - See notes)	5/1/2017		\$30.25	\$25.65	\$55.90
Laborers (Class 08 - See notes)	5/1/2020		\$34.95	\$25.65	\$60.60
Laborers (Class 09 - See notes)	5/1/2021		\$36.55	\$25.65	\$62.20
Laborers (Class 09 - See notes)	5/1/2017		\$30.10	\$25.65	\$55.75
Laborers (Class 09 - See notes)	5/1/2018		\$31.60	\$25.65	\$57.25
Laborers (Class 09 - See notes)	5/1/2019		\$33.15	\$25.65	\$58.80
Laborers (Class 09 - See notes)	5/1/2020		\$34.80	\$25.65	\$60.45
Laborers (Class 10- See notes)	5/1/2021		\$36.70	\$25.65	\$62.35
Laborers (Class 10- See notes)	5/1/2017		\$30.25	\$25.65	\$55.90
Laborers (Class 10- See notes)	5/1/2018		\$31.75	\$25.65	\$57.40
Laborers (Class 10- See notes)	5/1/2018		\$33.30	\$25.65	\$58.95
Laborers (Class 10- See notes)	5/1/2020		\$34.95	\$25.65	\$60.60
Laborers (Class 11 -See Notes)	5/1/2018		\$31.55	\$25.65	\$57.20
Laborers (Class 11 -See Notes)	5/1/2017		\$30.15	\$25.65	\$55.80
Laborers (Class 11 -See Notes)	5/1/2021		\$36.50	\$25.65	\$62.15
Laborers (Class 11 -See Notes)	5/1/2019		\$33.10	\$25.65	\$58.75
Laborers (Class 11 -See Notes)	5/1/2020		\$34.75	\$25.65	\$60.40
Laborers (Class 12 -See Notes)	5/1/2021		\$37.40	\$25.65	\$63.05
Laborers (Class 12 -See Notes)	5/1/2017		\$31.85	\$25.65	\$57.50
Laborers (Class 12 -See Notes)	5/1/2020		\$35.65	\$25.65	\$61.30

**BUREAU OF LABOR LAW COMPLIANCE
PREVAILING WAGES PROJECT RATES**

Project: 18-06038 - Heavy/Highway	Effective Date	Expiration Date	Hourly Rate	Fringe Benefits	Total
Laborers (Class 12 -See Notes)	5/1/2019		\$34.00	\$25.65	\$59.65
Laborers (Class 12 -See Notes)	5/1/2018		\$32.45	\$25.65	\$58.10
Laborers (Class 13 -See Notes)	5/1/2019		\$36.93	\$25.65	\$62.58
Laborers (Class 13 -See Notes)	5/1/2020		\$38.58	\$25.65	\$64.23
Laborers (Class 13 -See Notes)	5/1/2018		\$35.38	\$25.65	\$61.03
Laborers (Class 13 -See Notes)	5/1/2017		\$33.88	\$25.65	\$59.53
Laborers (Class 13 -See Notes)	5/1/2021		\$40.33	\$25.65	\$65.98
Laborers (Class 14 -See Notes)	5/1/2020		\$34.70	\$25.65	\$60.35
Laborers (Class 14 -See Notes)	5/1/2021		\$36.45	\$25.65	\$62.10
Laborers (Class 14 -See Notes)	5/1/2019		\$33.05	\$25.65	\$58.70
Laborers (Class 14 -See Notes)	5/1/2017		\$30.00	\$25.65	\$55.65
Laborers (Class 14 -See Notes)	5/1/2018		\$31.50	\$25.65	\$57.15
Laborers Utility (PGW ONLY)	5/1/2017		\$30.55	\$17.58	\$48.13
Laborers Utility (PGW ONLY) (Flagperson)	5/1/2017		\$23.52	\$17.58	\$41.10
Landscape Laborer	4/1/2016		\$21.19	\$22.65	\$43.84
Landscape Laborer	5/1/2015		\$20.29	\$22.30	\$42.59
Operators Class 01 - See Notes (Building, Heavy, Highway)	5/1/2018		\$46.41	\$28.60	\$75.01
Operators Class 01 - See Notes (Building, Heavy, Highway)	5/1/2017		\$44.87	\$28.14	\$73.01
Operators Class 01 - See Notes (Building, Heavy, Highway)	5/1/2020		\$49.50	\$29.51	\$79.01
Operators Class 01 - See Notes (Building, Heavy, Highway)	5/1/2021		\$51.04	\$29.97	\$81.01
Operators Class 01 - See Notes (Building, Heavy, Highway)	5/1/2019		\$47.95	\$29.06	\$77.01
Operators Class 01a - See Notes (Building, Heavy, Highway)	5/1/2019		\$50.96	\$29.94	\$80.90
Operators Class 01a - See Notes (Building, Heavy, Highway)	5/1/2020		\$52.50	\$30.40	\$82.90
Operators Class 01a - See Notes (Building, Heavy, Highway)	5/1/2018		\$49.41	\$29.49	\$78.90
Operators Class 01a - See Notes (Building, Heavy, Highway)	5/1/2017		\$47.86	\$29.03	\$76.89
Operators Class 01a - See Notes (Building, Heavy, Highway)	5/1/2021		\$54.05	\$30.85	\$84.90
Operators Class 02 - See Notes (Building, Heavy, Highway)	5/1/2020		\$49.25	\$29.44	\$78.69
Operators Class 02 - See Notes (Building, Heavy, Highway)	5/1/2021		\$50.80	\$29.89	\$80.69
Operators Class 02 - See Notes (Building, Heavy, Highway)	5/1/2019		\$47.70	\$28.99	\$76.69
Operators Class 02 - See Notes (Building, Heavy, Highway)	5/1/2017		\$44.62	\$28.07	\$72.69
Operators Class 02 - See Notes (Building, Heavy, Highway)	5/1/2018		\$46.16	\$28.53	\$74.69
Operators Class 02a - See Notes (Building, Heavy, Highway)	5/1/2017		\$47.61	\$28.97	\$76.58
Operators Class 02a - See Notes (Building, Heavy, Highway)	5/1/2018		\$49.16	\$29.42	\$78.58

**BUREAU OF LABOR LAW COMPLIANCE
PREVAILING WAGES PROJECT RATES**

Project: 18-06038 - Heavy/Highway	Effective Date	Expiration Date	Hourly Rate	Fringe Benefits	Total
Operators Class 02a - See Notes (Building, Heavy, Highway)	5/1/2021		\$53.81	\$30.77	\$84.58
Operators Class 02a - See Notes (Building, Heavy, Highway)	5/1/2020		\$52.26	\$30.31	\$82.57
Operators Class 03 - See Notes (Building, Heavy, Highway)	5/1/2018		\$42.07	\$27.33	\$69.40
Operators Class 03 - See Notes (Building, Heavy, Highway)	5/1/2019		\$43.62	\$27.78	\$71.40
Operators Class 03 - See Notes (Building, Heavy, Highway)	5/1/2020		\$45.17	\$28.24	\$73.41
Operators Class 03 - See Notes (Building, Heavy, Highway)	5/1/2021		\$46.71	\$28.69	\$75.40
Operators Class 03 - See Notes (Building, Heavy, Highway)	5/1/2017		\$40.53	\$26.87	\$67.40
Operators Class 04 - See Notes (Building, Heavy, Highway)	5/1/2021		\$46.41	\$28.60	\$75.01
Operators Class 04 - See Notes (Building, Heavy, Highway)	5/1/2020		\$44.86	\$28.14	\$73.00
Operators Class 04 - See Notes (Building, Heavy, Highway)	5/1/2019		\$43.32	\$27.69	\$71.01
Operators Class 04 - See Notes (Building, Heavy, Highway)	5/1/2018		\$41.78	\$27.22	\$69.00
Operators Class 04 - See Notes (Building, Heavy, Highway)	5/1/2017		\$40.24	\$26.78	\$67.02
Operators Class 05 - See Notes (Building, Heavy, Highway)	5/1/2018		\$40.05	\$26.73	\$66.78
Operators Class 05 - See Notes (Building, Heavy, Highway)	5/1/2019		\$41.60	\$27.18	\$68.78
Operators Class 05 - See Notes (Building, Heavy, Highway)	5/1/2020		\$43.14	\$27.64	\$70.78
Operators Class 05 - See Notes (Building, Heavy, Highway)	5/1/2021		\$44.69	\$28.10	\$72.79
Operators Class 05 - See Notes (Building, Heavy, Highway)	5/1/2017		\$38.51	\$26.27	\$64.78
Operators Class 06 - See Notes (Building, Heavy, Highway)	5/1/2018		\$39.07	\$26.43	\$65.50
Operators Class 06 - See Notes (Building, Heavy, Highway)	5/1/2019		\$40.61	\$26.89	\$67.50
Operators Class 06 - See Notes (Building, Heavy, Highway)	5/1/2017		\$37.52	\$25.98	\$63.50
Operators Class 06 - See Notes (Building, Heavy, Highway)	5/1/2020		\$42.16	\$27.35	\$69.51
Operators Class 06 - See Notes (Building, Heavy, Highway)	5/1/2021		\$43.70	\$27.80	\$71.50
Operators Class 07 (A) - See Notes (Building, Heavy, Highway)	5/1/2017		\$54.14	\$32.47	\$86.61
Operators Class 07 (A) - See Notes (Building, Heavy, Highway)	5/1/2018		\$55.99	\$33.02	\$89.01
Operators Class 07 (A) - See Notes (Building, Heavy, Highway)	5/1/2020		\$59.70	\$34.10	\$93.80
Operators Class 07 (A) - See Notes (Building, Heavy, Highway)	5/1/2019		\$57.84	\$33.57	\$91.41
Operators Class 07 (A) - See Notes (Building, Heavy, Highway)	5/1/2021		\$61.55	\$34.65	\$96.20

**BUREAU OF LABOR LAW COMPLIANCE
PREVAILING WAGES PROJECT RATES**

Project: 18-06038 - Heavy/Highway	Effective Date	Expiration Date	Hourly Rate	Fringe Benefits	Total
Operators Class 07 (B) - See Notes (Building, Heavy, Highway)	5/1/2018		\$55.70	\$32.92	\$88.62
Operators Class 07 (B) - See Notes (Building, Heavy, Highway)	5/1/2017		\$53.84	\$32.40	\$86.24
Operators Class 07 (B) - See Notes (Building, Heavy, Highway)	5/1/2020		\$59.40	\$34.03	\$93.43
Operators Class 07 (B) - See Notes (Building, Heavy, Highway)	5/1/2021		\$61.28	\$34.58	\$95.86
Operators Class 07 (B) - See Notes (Building, Heavy, Highway)	5/1/2019		\$57.55	\$33.47	\$91.02
Painters (Bridges, Stacks, Towers)	2/1/2018		\$54.14	\$27.27	\$81.41
Painters (Bridges, Stacks, Towers)	2/1/2017		\$53.67	\$26.09	\$79.76
Steamfitters	5/1/2018		\$56.37	\$34.39	\$90.76
Steamfitters (Heavy and Highway - Gas Distribution)	5/1/2017		\$54.64	\$32.53	\$87.17
Truckdriver class 1(see notes)	5/1/2021		\$36.33	\$17.96	\$54.29
Truckdriver class 1(see notes)	5/1/2020		\$34.78	\$17.96	\$52.74
Truckdriver class 1(see notes)	5/1/2019		\$33.28	\$17.96	\$51.24
Truckdriver class 1(see notes)	5/1/2018		\$31.78	\$17.96	\$49.74
Truckdriver class 1(see notes)	5/1/2017		\$30.31	\$17.96	\$48.27
Truckdriver class 2 (see notes)	5/1/2021		\$36.43	\$17.96	\$54.39
Truckdriver class 2 (see notes)	5/1/2018		\$31.88	\$17.96	\$49.84
Truckdriver class 2 (see notes)	5/1/2020		\$34.88	\$17.96	\$52.84
Truckdriver class 2 (see notes)	5/1/2017		\$30.41	\$17.96	\$48.37
Truckdriver class 2 (see notes)	5/1/2019		\$33.38	\$17.96	\$51.34
Truckdriver class 3 (see notes)	5/1/2018		\$32.13	\$17.96	\$50.09
Truckdriver class 3 (see notes)	5/1/2019		\$33.63	\$17.96	\$51.59
Truckdriver class 3 (see notes)	5/1/2017		\$30.66	\$17.96	\$48.62
Truckdriver class 3 (see notes)	5/1/2021		\$36.68	\$17.96	\$54.64
Truckdriver class 3 (see notes)	5/1/2020		\$35.13	\$17.96	\$53.09

BID PROPOSAL FORM
PAVING AND STORMWATER MANAGEMENT
E.W. RHODES ELEMENTARY SCHOOL

Contract No. B-087C of 2016/17-General Construction

TO: The School District of Philadelphia
School Reform Commission

OWNER

Office of Capital Programs
The School District of Philadelphia
440 North Broad Street
Third Floor - Suite 371
Philadelphia, PA 19130-4015

ADDRESS

FROM: _____

**CONTRACTOR
ADDRESS**

**CITY/STATE
CONTACT NAME
PHONE NO.**

BASE CONTRACT PROPOSAL:

1. Having become completely familiar with the local conditions affecting the cost of Work at the place where Work is to be executed, and having carefully examined the site conditions as they currently exist, and having carefully examined the Bidding and Contract Documents prepared for this project, together with any Addenda to such Bidding and Contract Documents as listed hereinafter, the Undersigned hereby proposes and agrees to provide all labor, materials, plant, equipment, transportation and other facilities as necessary and/or required to execute all of the Work described by the Contract Documents for: **Contract No. B-087C of 2016/17-General Construction**

for the lump sum consideration of: _____
_____ Dollars (\$_____), said amount being hereinafter referred to as the Base Proposal Amount. Base Proposal Amount includes Unit Price Items listed below, if applicable.

BID ALTERNATES (Not applicable to this Contract – No Alternates)

UNIT PRICES (INCLUDED IN THE LUMP SUM PRICE ABOVE)

(The Undersigned hereby proposes and agrees to provide all labor, materials, plant,

equipment, transportation and other facilities as necessary and/or required to provide the following items of work on a Unit Price basis as described in Section 01 1100 ENVIRONMENTAL COORDINATION-PART 3 SOIL MANAGEMENT, and to be paid for the actual quantities, whether more or less than the estimated quantities included in the Base Proposal Amount in accordance with Section 01 1600 UNIT PRICES

UNIT PRICE No. 1: , Offsite disposal of excess regulated fill including all costs of excavation, testing, stockpiling, loading, transport and unloading at approved landfill(s) and required documentation in accordance with the requirements of Section 01 1100 ENVIRONMENTAL COORDINATION-PART 3 SOIL MANAGEMENT, as directed by the owner’s representative.

1. Unit of Measurement: Cubic Yard (CY)
2. Payment: Payment will be made for the actual quantities furnished in accordance with Section 01 16 00 - UNIT PRICES.
3. Base Bid Quantity: 873 Cubic Yards (CY)
4. Unit Price Calculation: 873 CY @ \$_____ per CY =
\$_____ **TOTAL***

ACKNOWLEDGEMENT OF RECEIPT OF ADDENDA:

2. The Undersigned acknowledges receipt of the following Addenda (list by number and date appearing on Addenda):

<u>Addendum No.</u>	<u>Date</u>	<u>Addendum No.</u>	<u>Date</u>
_____	_____	_____	_____
_____	_____	_____	_____
_____	_____	_____	_____
_____	_____	_____	_____

TIME OF COMPLETION:

3. The Undersigned agrees to Substantially Complete all Work under this Contract within the time periods specified in Division 1, General Requirements, Section 00 1300 entitled “Time of Completion, Milestones and Phasing or Sequencing

Requirements”.

INSURANCE:

4. All Bidders are instructed to refer to Article GC-11 of the General Conditions. All Contractors or Subcontractors bidding Work on the Project shall include in their bids the costs of Workers Compensation and Employer’s Liability Insurance, Commercial General Liability Insurance, Automobile Liability Insurance, Excess Umbrella Liability Insurance (Commercial Umbrella Liability Insurance) and any other types of insurance identified in Division 1- General Requirements, Section 01200 (or 01 1200) entitled “ Special Insurance Requirements”.

LIQUIDATED DAMAGES:

5. Upon failure by the Contractor to achieve Substantial Completion within the time specified in Article GC-8 of the General Conditions from the Date of Commencement as set forth in the Notice to Proceed, the Contractor shall pay to the School District, as liquidated damages and not as a penalty, the sum of One Thousand Dollars (\$1,000.00) per day for each consecutive calendar day of delay until such time as Substantial Completion of the Work is achieved.

6. In addition, the Contractor shall be responsible for and pay for the cost of completion of construction of the Work, as well as for any and all additional charges of the School District, Architect/Engineer, other Project Contractors, and any other Consultants to the School District relating to the Contractor's failure to achieve Substantial Completion on a timely basis, including, but not limited to, delay damages, disruption damages, acceleration costs or expenses, investigative expenses, consulting fees, experts’ fees, and attorneys’ fees.

7. The Contractor and the School District agree that the amounts so fixed herein as liquidated damages are reasonable forecasts of just compensation for the harm that will be caused to the School District by the Contractor's breach.

GENERAL STATEMENT:

8. The Undersigned declares that the person or persons signing this Proposal is/are fully authorized to sign on behalf of the firm listed and to fully bind the firm listed to all the Proposal's conditions and provisions thereof.

9. It is agreed that the Undersigned has complied or will comply with all requirements of local, state, and federal laws, and that no legal requirement has been or will be violated in making or accepting this Proposal, in awarding the Contract to it and/or in prosecution of the Work.

10. Bid Security in the amount of ten percent (10%) of the Base Bid, plus all additive Alternates Proposal amounts, is attached hereto and made a part hereof, without endorsement, in the sum of _____ Dollars (\$_____), which shall become the property of the School District in the event the Contract and Performance Bond and Labor and Materialmen's Bond are not executed within the time set forth, as liquidated damages.

11. The Undersigned further agrees within five (5) calendar days from date of Notice of Acceptance of this Proposal or Contract award, to sign and deliver to the School District, all required copies of the School District/Contractor Agreement, the Performance Bond, the Labor and Materialmen's Bond, and the Maintenance Bond, in the forms included in the Bidding Documents, and the policies of insurance or insurance certificates as required by the General Conditions. In case the undersigned fails or neglects to deliver within the specified time the School District/Contractor Agreement, the Performance Bond, the Labor and Materialmen's Bond, and the Maintenance Bond, and the insurance policies or certificates, all as aforesaid, the undersigned shall be considered as having abandoned the Contract, and the Bid Bond accompanying this Proposal shall be forfeited to the School District by reason of such failure on the part of the undersigned, as liquidated damages and not as a penalty.

12. The Undersigned further agrees that the Bid Security may be retained by the School District and shall remain with the School District until the School District/Contractor Agreement has been signed and delivered to the School District and the Performance Bond, the Labor and Materialmen's Bond, and the Maintenance Bond, and insurance policies or certificates have been made and delivered to the School District.

Respectfully submitted this ____ day of _____, 201__.

Individual Proprietorship or Partnership

If Contractor is an individual proprietorship or is a partnership, sign here:

(Trade Name of Firm)

By: _____ By: _____ (SEAL)
(Witness) (Owner or Partner)

Corporation

If Contractor is a corporation, sign here:

(Name of Corporation)

ATTEST:

By: _____ By: _____ (SEAL)
(Secretary or Treasurer) (President or Vice President)

(CORPORATE SEAL)

Signature by anyone other than the President or Vice President and the Secretary or Treasurer of the Corporation must be accompanied by a power of attorney, executed by the proper corporate officers under the corporate seal indicating authority to execute this Bid.

SECTION 01 1700-SPECIAL CONSTRUCTION - EXCAVATED SOIL MANAGEMENT

This section consists of:

KEM SOIL QUALITY TESTING REPORT.

Dated 12/6/17, 127 pages

CONSTRUCTION CERTIFICATION PACKAGE

Purpose:

The intent of this Construction Certification Package is to ensure that acceptable documentation is maintained during the construction of stormwater management practices (SMPs). For general information and design requirements for different types of SMPs, please refer to Chapter 4 of the PWD Stormwater Management Guidance Manual.

General Construction Requirements:

During construction, the contractor must ensure that a copy of the Approved Post-Construction Stormwater Management Plan (PCSMP) and Erosion and Sediment Control (E&S) Plan are available on-site at all times.

Prior to any earth disturbance activities, a preconstruction meeting must be held. All parties including, but not limited to, the property owner's representative, the design professional, the contractor, the PWD Inspector, and state and municipal authorities are required to attend. As part of the preconstruction meeting, a time table for the project's construction sequence stages must be provided. The PWD Inspector must be contacted at least seven (7) days prior to the date of the preconstruction meeting to ensure that appropriate staff can be present. If at least seven (7) days' notice is not provided, PWD cannot guarantee that the preconstruction meeting will be held on the requested date. Further, earth disturbance activities should not commence until the preconstruction meeting is held.

The PWD Inspector must be notified at least three (3) days prior to the start of construction of any SMP elements. If the required notice is not provided, the project site may be subject to the enforcement actions outlined in the Stormwater Regulations. Any SMP, or portion of a SMP, that is constructed without prior notice to PWD or without the PWD Inspector present on-site may be required to be removed and reconstructed.

SMP Construction Certification Forms:

The Construction Certification Package contains a separate SMP Construction Certification Form for each SMP. Please note that the items identified within these forms represent the minimum documentation required. Additional documentation may be deemed necessary by PWD staff on a project-specific basis.

SMP Construction Certification Forms must be prepared by the project's design professional, reviewed by PWD during the PCSMP Review Phase, and completed by one of the following registered professionals during construction: Professional Engineer, Registered Architect, Landscape Architect, Professional Land Surveyor, Professional Geologist, or Licensed Contractor. The registered professional who completes each SMP Construction Certification Form must complete the "Registered Professional" section of that form. These registered professionals may also prepare and submit Record Drawings to PWD. Please note that PA DEP may have different requirements regarding the types of professionals who may prepare Record Drawings. For projects that require a NPDES Permit, the applicant is strongly encouraged to refer to PA DEP's

requirements for Record Drawings before selecting a professional to prepare Record Drawing(s) for PWD.

Each SMP Construction Certification Form must indicate the measurements that are most critical to the listed SMP's ability to perform its designed function (e.g., elevations, outlet control sizes, surface areas, layer depths, etc.). It is recommended that the SMP Construction Certification Form(s) be included in the construction bid documents for the project to ensure that the selected contractor is aware of the requirement that the Forms be completed during construction. The project's sequence of construction will identify all stages of SMP construction for which a registered professional must document the specific elevations and measurements found on the SMP Construction Certification Forms.

Each measurement documented on the Forms must be dated and initialed by the registered professional who took, or whose designee took, the measurement. Once all of the required measurements have been appropriately documented, the registered professional must execute and date the Form. The contractor should not cover, backfill, or seal any SMP until the information required for the Record Drawing(s) and the Construction Certification Package has been acquired.

Supplementary Documentation:

Electronic copies of all photos, material receipts, reports, and certifications required within the SMP Construction Certification Forms (at minimum) must be provided to PWD. Material receipts must clearly specify the types, qualities, and quantities of the materials purchased.

Construction Certification Package Submission:

The Construction Certification Package must include electronic copies of all completed SMP Construction Certification Forms and all supplementary documentation required by the Forms. The Construction Certification Package must be submitted to PWD along with the project's Record Drawing(s) once construction is completed, all of which will be reviewed as part of the project's Record Drawing Review Phase. Please refer to Section 2.3.1 of the PWD Stormwater Management Guidance Manual for more information regarding the Record Drawing Review Phase. The measurements/specifications required to be documented on the SMP Construction Certification Forms must be reflected on the project's Record Drawing(s). Refer to the Record Drawing Requirements document, provided by PWD at the project preconstruction meeting, for a summary of what information must be reflected on the Record Drawing(s) and how this information must be documented. More detailed information on Record Drawings can be found in Section 5.3.2 of the PWD Stormwater Management Guidance Manual.

SMP CONSTRUCTION CERTIFICATION FORM
Bioinfiltration/Bioretention (Page 1 of 2)

Project Name: Rowen ES PWD Tracking Number: FY17-ROWE-4634-01

SMP Label (on plans): Infiltration Basin #1

1. Contact the project’s assigned PWD Inspector at least three (3) days prior to the start of construction of any SMP, including excavation of SMPs and soil testing if applicable. SMP installation must be observed by the PWD Inspector.
2. Provide the PWD Inspector with an estimated schedule for the placement of any of the following: geotextile, stone, storage media, piping, soil, etc.
3. Provide the following information about the SMP:

Required Documents	Receipt #	Registered Professional’s Initials & Date
Copies of receipts for clean washed stone		
Copies of receipts for geotextile		
Copies of receipts for underdrain/pipes		
Copies of receipts for planting soil medium		
Copies of receipts for vegetation and/or seeding		
Copies of receipts for impervious liner, if required		

Required Reports and Certifications	Receipt #	Registered Professional’s Initials & Date
Report demonstrating that stone was washed per AASHTO T-11 Standards (<0.5 % wash loss)		
Planting soil medium certifications demonstrating mixture components and organic content per plans		

Required Photos	Photo #	Registered Professional’s Initials & Date
Photo(s) verifying that the system location is staked		
Photo(s) showing the system protected from sediment and compaction during constructions (E&S controls around the basin)		
Photos showing the bottom of the flat, scarified, non-compacted subgrade soils before installation of geotextile (required if bioinfiltration system)		
Photos showing bottom of the basin after installation of geotextile (or impervious liner if required)		
Photos showing installation of stone and perforated pipe(s)/underdrain within system, if required		
Photo(s) showing installation of stone storage layer		
Photos showing connection of underdrain to overflow system, if required		
Photos showing installation of geotextile/filter layer above stone drainage layer, if required		
Photos showing basin after installation of planting soil medium and fine grading		

SMP CONSTRUCTION CERTIFICATION FORM
Bioinfiltration/Bioretenion (Page 2 of 2)

Required Photos	Photo #	Registered Professional's Initials & Date
Photos showing the bioretention area after planting of vegetation (pre-stabilized)		
Photos showing the bioretention area after planting of vegetation (stabilized)		
Photos showing outlet structure, including internal weirs and/or orifices, and outlet pipes (with tape measure as size reference)		

Required Measurement	Photo #	Measurement	Registered Professional's Initials & Date
Level Planting Surface Elevation			
Level Bottom (Interface with In Situ Soils) Elevation			
Planting Soil Medium Depth			
Stone Storage Layer Depth			
Depth of Sand/Stone Filter Layer			
Underdrain Invert			
Underdrain Orifice Diameter			
Overflow Riser/Grate Elevation			
Outlet Structure Outflow Pipe Invert			
Outlet Structure Orifice Invert			
Outlet Structure Orifice Diameter			
Outlet Structure Weir Length			
Outlet Structure Weir Elevation			

By signing this form, the registered professional indicated below certifies that they, or a designee, were present during the required measurements associated with the SMP listed above, and that, to the best of their knowledge, information, and belief, these measurements are in general accordance with the Approved PCSMP.

Please note that the measurements listed above must be reflected on the project's Record Drawing(s). The Project's Construction Certification Package, which must be submitted with the Record Drawing(s), must include digital copies of all SMP Construction Certification Forms (one per SMP) and digital copies of the material receipts and photographs required on these forms.

Registered Professional

Signature	Date	Name (Print)
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Company	License Type & Number
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SMP CONSTRUCTION CERTIFICATION FORM

Sumped/Trapped Structures (i.e. Inlets, Sumped Manholes, Outlet Structures, etc.)
 (Page 1 of 2)

Project Name: Rowen ES PWD Tracking Number: FY17-ROWE-4634-01

1. Contact the project’s assigned PWD Inspector at least three (3) days prior to the start of construction of any SMP, including excavation of SMPs. SMP installation must be observed by the PWD Inspector.
2. Provide the PWD Inspector with an estimated schedule for the planned installation of the inlet, so that the Inspector can visit while structures inside the inlet are visible.
3. Provide the following information about the SMP:

Required Documents	Receipt #	Registered Professional’s Initials & Date
Copies of receipts for precast concrete inlets/drains		
Copies of receipts for inlet/drain grates		
Copies of receipts for hoods/traps		
Copies of receipts for installed precast structures		
Photos showing sumps and traps (if required per plans) installed correctly		

Required Photos	Photo #	Registered Professional’s Initials & Date
Photos showing sump depth (with tape measure as size reference)		
Photos showing traps installed correctly (including grouting)		

SMP CONSTRUCTION CERTIFICATION FORM

Sumped/Trapped Structures (i.e. Inlets, Sumped Manholes, Outlet Structures, etc.)

(Page 2 of 2)

Component (Plan Label)	Sump Installed (Yes/No)	Hood/Trap Installed (Yes/No)	Registered Professional's Initials & Date
<i>Inlets Listed Individually</i> <ul style="list-style-type: none"> • <i>Inlet #1</i> • <i>Inlet #2</i> 			
<i>Trench Drains Listed Individually</i>			
<i>Yard/Area Drains Listed Individually</i>			
<i>Manholes Listed Individually</i> <ul style="list-style-type: none"> • <i>Manhole #1</i> 			
<i>Outlet Control Structures Listed Individually</i> <ul style="list-style-type: none"> • <i>Basin Outlet Str. #1</i> 			

By signing this form, the registered professional indicated below certifies that they, or a designee, were present during the installation of the required components listed above, and that, to the best of their knowledge, information, and belief, these components are in general accordance with the Approved PCSMP.

Please note that the information listed above must be reflected on the project's Record Drawing(s). The Project's Construction Certification Package, which must be submitted with the Record Drawing(s), must include digital copies of all SMP Construction Certification Forms (one per SMP) and digital copies of the material receipts and photographs required on these forms.

Registered Professional

Signature	Date	Name (Print)
Company		License Type & Number