



CITY OF PITTSBURGH

Department of Public Works

William Peduto, Mayor

Michael Gable, Director

March 11, 2016

Mr. Edward P. Voytko, P.E.
Senior Principal Engineer
D'Appolonia
275 Center Road
Monroeville, PA 15146-1451

Ms. Mary M. Cheever
President & CEO
Pittsburgh Parks Conservancy
45 South 23rd Street, Suite 101
Pittsburgh, PA 15203

GA

**RE: Heth's Run Restoration Project
Three-Party Project Assistance and Payment Agreement
Between the City of Pittsburgh, The Pittsburgh Parks
Conservancy, and D'Appolonia**

Dear Mr. Voytko and Ms. Cheever:

Please find attached the original fully executed and signed Three-Party Project Agreement regarding Heth's Run Heth's Run Restoration Project between the City of Pittsburgh, The Pittsburgh Parks Conservancy, and D'Appolonia. A scanned copy of this agreement was emailed to you last week.

If you should have any questions regarding this matter, please contact Casimir J. Pellegrini III, AIA, Project Manager at 412-255-2649.

Sincerely,

Michael Gable, CPRP
Director

MG/CP:jh

Attachments

cc: Law Dept. (w/att.)/Michael Lamb (w/att.)/Jim Griffin (w/att.) Patrick Hassett (w/att.)/Marcelle Newman (w/att.)/Casimir Pellegrini (w/att.)/Caroline Greco (w/att.)/File (w/att.)

HEADQUARTERS
Room 301 City-County Building
414 Grant Street Pittsburgh, PA 15219
412-255-8850 Fax: 412-255-8847

**BUREAU OF TRANSPORTATION AND
ENGINEERING**
Room 301 City-County Building
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BUREAU OF OPERATIONS
611 Second Avenue
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**BUREAU OF ENVIRONMENTAL
SERVICES**
3001 Railroad Street
Pittsburgh, PA 15201
412-255-2773 Fax: 412-255-2452
www.pittsburghpa.gov



THREE-PARTY PROJECT ASSISTANCE AND PAYMENT AGREEMENT
BETWEEN THE CITY OF PITTSBURGH, THE PITTSBURGH PARKS
CONSERVANCY, AND D'APPOLONIA, Engineering Division of GROUND
TECHNOLOGY, INC. FOR FUNDING D'APPOLONIA WORK ON THE
HETH'S RUN RESTORATION PROJECT

Made this 7th day of ~~January~~^{MARCH}, 2016

BY AND BETWEEN

THE CITY OF PITTSBURGH ("CITY")

AND

THE PITTSBURGH PARKS CONSERVANCY ("PPC")

AND

D'APPOLONIA, Engineering Division of GROUND TECHNOLOGY, INC.
("D'APPOLONIA")

Whereas, the CITY and the PPC have entered into and then renewed a Cooperation Agreement ("Cooperation Agreement") to establish an alliance to provide infrastructure improvements, special care, and restoration for the CITY's four regional parks -- Frick, Schenley, Highland and Riverview; and

Whereas, the CITY is undertaking the Heth's Run Restoration Project in Highland Park (the "Project") and the PPC has offered to assist the CITY by providing funding and other assistance for the Project; and

Whereas, D'APPOLONIA has been hired by the City through a competitive process as the General Contractor to perform the civil engineering and landscape architect services needed for the Project under Contract/Spec. No. 50918 (the "On-Call Geotechnical Engineering Services Agreement") (hereinafter the "Services Contract") and D'APPOLONIA has provided a quote of Three Hundred Sixty-Five Thousand Six Hundred Six Dollars (\$365,606.00) for this work over three phases (the "D'APPOLONIA Work") through three Letters of Amendment/Work Orders (the "Work Orders"), which are attached hereto and collectively incorporated herein as Exhibit A ; and

Whereas, the CITY and PPC have agreed to share the costs of the entire Project, with the City to pay an amount not to exceed Two Hundred Thousand Dollars (\$200,000.00) and PPC to pay an amount not to exceed Two Hundred Thousand Dollars (\$200,000.00). These total contribution amounts include both the D'APPOLONIA Work and payments to other contractors also working on the Project; and

Whereas, the CITY and PPC have agreed to each pay their respective contributions for the D'APPOLONIA Work directly to D'APPOLONIA upon joint approval of invoices; and

Whereas, D'APPOLONIA will accept from the CITY the CITY'S monetary responsibility for the D'APPOLONIA Work and subsequently from PPC, PPC's monetary responsibility for the D'APPOLONIA Work as further described herein;

NOW; THEREFORE, in consideration of the mutual promises and intending to be legally bound hereby, the parties hereto agree as follows:

1. **INCORPORATION:** The above recitals are incorporated herein by reference.
2. **SCOPE OF ASSISTANCE:** Subject to all terms and conditions set forth below and within the Services Contract and Work Orders, the PPC will contribute funding for the D'APPOLONIA Work for the Project. The City of Pittsburgh Department of Public Works will act as Project Manager for the Project. PPC will act as co-Project Partner, with full involvement in all stages of the project, and review and approval of all invoices and other deliverables. Without limiting the generality of the foregoing, the City agrees that PPC's representatives will have notice of

and the opportunity to participate in all meetings and decisions involving the Project, and PPC's express written approval shall be required prior to any changes being made in the Project, including the issuance of any change orders under the Services Contract. The applicable review and approval(s) will occur prior to CITY'S and/or PPC's payment of invoice(s) per Paragraph 4 of this Three-Party Project Assistance and Payment Agreement between the City of Pittsburgh, the Pittsburgh Parks Conservancy, and D'Appolonia, Engineering Division of Ground Technology, Inc. for Funding D'Appolonia Work on the Heth's Run Restoration Project (this "Agreement").

3. **TERM OF AGREEMENT:** The term of this Agreement begins on the date first written above and, unless otherwise terminated earlier as permitted herein, ends on the Completion Date of the Project, as determined by the Director of the City's Department of Public Works, with the consent of PPC.

4. **FUNDING FOR THE D'APPOLONIA WORK:** The City has agreed to provide funding in an amount not to exceed One Hundred and Ninety-Seven Thousand, Four Hundred ^{FIVE} Six dollars (\$197,405.65) for Phases 1 -3 of the D'APPOLONIA Work and PPC agrees to provide funding in an amount not to exceed One Hundred Sixty Eight Thousand, Two Hundred Dollars (\$168,200.00) for Phase 3 of the D'APPOLONIA Work as further set forth on the Summary of Project Expenses attached hereto and incorporated herein as Exhibit B. Fees for the D'APPOLONIA Work will be paid as follows:

ym



D'APPOLONIA will:

1) Submit invoices and supporting documentation to both the CITY (to the attention of the Director of the Department of Public Works, Michael Gable at 414 Grant St. #301, Pittsburgh, PA 15219, (412) 255-8850), and to the PPC (to the attention of the PPC's Parks Curator, Susan Rademacher, at 45 South 23rd Street, Suite 101, Pittsburgh, PA 15203, (412) 682-7275), requesting payment for costs actually incurred;

2) Allow the CITY to have a period of fifteen (15) days following receipt to review the invoices submitted,

	0.00	*+
	106,146.30	+
	106,146.30	*+
City Phase 3	106,146.30	+
Phase 1 & 2	91,259.35	+
City =	197,405.65	*+
City →	197,405.65	+
PPC →	168,200.00	+
Phase 3	168,200.00	+
TOTAL	365,605.65	*+

and during that period CITY may, in its reasonable discretion, request that D'APPOLONIA furnish additional supporting documentation with respect to the invoices submitted; and

3) Allow the PPC to have a period of fifteen (15) days following receipt to review the invoices submitted, and during that period PPC may, in its reasonable discretion, request that D'APPOLONIA furnish additional supporting documentation with respect to the invoices submitted; and

4) D'APPOLONIA will accept payment for the D'APPOLONIA Work for the Project as described in subsections 4(B), (C), and (D) of this Paragraph 4 below.

B. WITH RESPECT TO THE FIRST TWO PHASES OF D'APPOLONIA WORK: D'APPOLONIA has already commenced invoicing the CITY for work previously performed on Phases 1 and 2, which total amount is not to exceed Ninety-one Thousand Two Hundred Fifty-Nine Dollars and thirty-Five Cents (\$91,259.35). These amounts have been previously authorized for payment by CITY per the Services Contract and Work Orders #1 and #2.

	0.00	**
D'Appolonia	49,493.00	+
	2,586.35	+
	1,924.00	+
Phases 1 & 2	37,256.00	+
	91,259.35	**

C. WITH RESPECT TO PHASE 3 OF D'APPOLONIA WORK: the CITY will, within thirty (30) days following receipt of each invoice for payment and all required supporting documentation, pay the amount of each invoice to D'APPOLONIA, by check made out to D'APPOLONIA and mailed to its place of business up to the first One Hundred Six Thousand, One Hundred ³⁰Forty-Six Dollars and ~~Sixty~~ ^{PRIOR} five cents (\$106,146.65). Thereafter, the PPC will, within thirty (30) days following receipt of each invoice for payment and all required supporting documentation, forward the amount of each invoice, by check made out to: D'APPOLONIA, and mailed directly to D'APPOLONIA for up to the remaining One

Hundred Sixty-Eight Thousand, Two Hundred Dollars (\$168,200.00). A copy of each such check forwarded by PPC shall also be sent to the CITY for accounting purposes; and

- D. ANY AMOUNT EXCEEDING the total of the amounts paid under (B) and (C) above, including any amounts that may be agreed to in change orders issued under the Services Contract, shall be payable as may be mutually agreed in writing by the City and PPC, it being understood and agreed that neither the City nor PPC is obligated to pay any amounts in excess of those stated above. In the event of an agreement to increase funding for the D'APPOLONIA Work, the parties will amend this document to clarify the amount of any increase and how such payments will be made. Any such increase to the CITY'S total contribution is further subject to prior legislative authorization and approval of additional Work Orders, as applicable.
- E. Notwithstanding the responsibility of CITY and PPC to pay their respective shares, the CITY, as Project Manager, and the PPC as co-Project Partner, will each approve all work by D'APPOLONIA and will notify the other party of its approval in writing, prior to payment of D'APPOLONIA.
- F. The CITY agrees to use its best efforts to cause D'APPOLONIA to cooperate with PPC in providing any documentation that PPC may reasonably request or as may be required by PPC's funding sources for the Project.
- G. The CITY will be responsible for monitoring all work performed by D'APPOLONIA under the Services Contract, subject to PPC's review and approval as provided herein.

5. **INTERRUPTION; POSTPONEMENT; ABANDONMENT:** In the event that the work herein contemplated, or any part thereof, will be

interrupted, postponed, or abandoned due to circumstances which CITY considers to be in its best interests, PPC will not be entitled to reimbursement from CITY for any funds it has expended on the Project. Nor will PPC be responsible for payment of any unpaid portion of the balance of its contribution set forth in Paragraph 4 for work that was either: 1) not yet completed to the satisfaction of the CITY and PPC or 2) not performed by D'APPOLONIA prior to the termination of work.

6. **REVIEW OF PROJECT RECORDS:** Representatives of PPC will have access to the books and records maintained by CITY relating to the Project, the Services Contract or this Agreement at all reasonable times and for all reasonable purposes. All books and records pertaining to the Project will be preserved by CITY for a period of ten (10) years after the termination of this Agreement. Both the City and PPC will provide copies and confirmation of payment of all invoices issued by D'APPOLONIA for the Project to each other.
7. **GOVERNING LAW:** This Agreement will, in all respects, be construed and interpreted in accordance with the laws of the Commonwealth of Pennsylvania.
8. **AMENDMENT AND TERMINATION:** This Agreement contains all terms and conditions agreed upon by the parties hereto, and no other agreement, oral or otherwise, regarding the subject matter of this Agreement, will be deemed to exist or to bind any of the parties hereto. This Agreement may not be changed, modified, discharged or extended except by prior written amendment, duly executed by the parties. The City and/or PPC may terminate this Agreement to the extent that there has been a joint decision to terminate one or more Phase 3 Work Orders for D'APPOLONIA Work and no amounts due and owing to D'APPOLONIA are outstanding.
9. **PITTSBURGH HOME RULE CHARTER/LIABILITY OF CITY:** This Agreement is subject to the provisions of the Pittsburgh Home Rule Charter. The liability of the City under this Agreement is zero dollars; amounts previously authorized for payment to D'APPOLONIA for Phases 1-3 of the Project are set forth in Paragraph 13 herein.
10. **OWNERSHIP OF IMPROVEMENTS:** Ownership of all alterations, additions or capital improvements constructed, including those paid for

by PPC at the Site will vest in CITY upon installation, without compensation being paid therefore.

11. **ASSIGNMENT; SUBCONTRACTING:** PPC will not assign this Agreement or any of its responsibilities hereunder without prior written consent of CITY.
12. **NON-OBLIGATION OF CITY TO REPAY ANY PRIVATE MONIES OR GRANTS:** In the event that this Agreement is terminated by CITY, or in the event of bankruptcy of PPC, the CITY will not be obligated to repay any private monies obtained by PPC for the Project.
13. **AUTHORIZING RESOLUTIONS:** This Agreement is entered into by CITY pursuant to Resolution No. 15 of 2016, effective 1-29, 2016. It is acknowledged by all parties that this Agreement is intended to set forth the breakdown of contributions for D'APPOLONIA Work from the City and obligation to assist with payments from the PPC; however, the City's formal authorization to pay funding to D'APPOLONIA in an amount not to exceed One Hundred and Ninety-Seven Thousand, Four Hundred Six dollars (\$197,406.00) for Phases 1 -3 of the D'APPOLONIA Work is set forth in and governed by the Services Contract and applicable Work Orders. Payments by CITY to D'APPOLONIA are not authorized directly pursuant to this Agreement.
14. **INSURANCE:** Prior to the beginning of any work performed on the Project by D'APPOLONIA after the execution date of this Agreement, the CITY will ensure that certificates of insurance are furnished duly naming the CITY and the PPC as additional insured on every policy of comprehensive general liability insurance required.
15. **COUNTERPARTS:** This Agreement may be executed in counterparts, each of which will be deemed to be an original, but all of which, taken together, will constitute one and the same agreement.

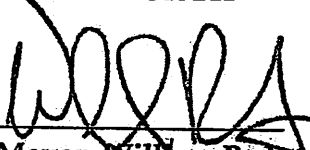
SIGNATURE PAGE TO FOLLOW IMMEDIATELY

IN WITNESS WHEREOF, the parties have duly executed this Agreement the day and year first above written.

WITNESS:

Jamie Drake

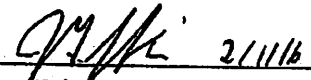
CITY OF PITTSBURGH

By: 
Mayor, William Peduto

WITNESS:

Mary Griffin

CITY OF PITTSBURGH
Department of Parks & Recreation

By:  2/11/16
Director, Jim Griffin

WITNESS:

Steven J. Judman

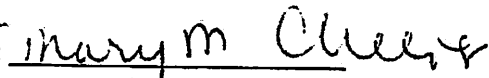
CITY OF PITTSBURGH
Department of Public Works

By:  2/16
Director, Michael Gable

WITNESS:

Polly King

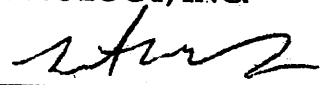
THE PITTSBURGH PARKS
CONSERVANCY

By: 
President & CEO,
Mary M. Cheever

WITNESS:

Adam M. Shusko

D'APPOLONIA, Engineering
Division of GROUND
TECHNOLOGY, INC.

By: 
President, Robert M. Shusko,

Examined by: *Gronne J. Hester*
Deputy City Solicitor

Approved as to form by: *R. J. Kiser*
City Solicitor

Ben M. H.
Countersigned by:

Michael E. Land 3-7-16
City Controller 51625

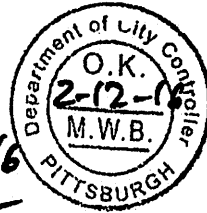


EXHIBIT A: WORK ORDERS FOR PHASES 1 TO 3

EXHIBIT B: COST BREAKDOWN FOR HETH'S RUN PROJECT

HETH'S RUN RESTORATION PROJECT

D'Appolonia Work

	City	PPC	Totals
Phase I	54,003.35	0	54,003.35
Phase II	37,256.00	0	37,256.00
Phase III	106,146.65 30	168,200	274,346.65 30
Total	197,406.00 5.65 477	168,200	365,606.00

477

Other Contractor Work

	City	PPC	Totals
Mackin	2594	0	2594
Matt Graham	0	4,800	4800
Jackson	0	27,000	27,000
Total	2594	31,800	34,394

Project Total	200,000	200,000	400,000
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City of Pittsburgh

510 City-County Building
414 Grant Street
Pittsburgh, PA 15219

Certified Copy

Resolution: 15

File Number: 2016-0018

Enactment Number: 15

Resolution authorizing the Mayor and the Directors of the Department of Parks and Recreation and Public Works to enter into a Three-Party Project Assistance and Payment Agreement between the City Of Pittsburgh, the Pittsburgh Parks Conservancy, and D'Appolonia, Engineering Division Of Ground Technologies, Inc. to document the Pittsburgh Parks Conservancy's provision of certain funding for consulting services relating to the Heth's Run Restoration Project in Highland Park.

WHEREAS, pursuant to Resolution No. 285 of 1998, effective May 29, 1998, the City entered into a Cooperation Agreement, dated April 10, 2000, with the Pittsburgh Parks Conservancy ("PPC") to establish an alliance to provide infrastructure improvements, special care, and restoration for the City's four regional parks: Frick, Schenley, Highland and Riverview; and

WHEREAS, pursuant to Resolution No. 364 of 2011, effective May 26, 2011, the City and the PPC agreed to extend the term of the Cooperation Agreement; and

WHEREAS, the PPC now desires to volunteer its services pursuant to said Cooperation Agreement and has offered to provide funding for engineering and landscape design consulting services relating to the Heth's Run Restoration Project in Highland Park (the "Project"); and

WHEREAS, the PPC and City now wish to enter into a three-party agreement with D'Appolonia, the City's contractor for certain portions of the Project, in order to document the various payment responsibilities of the parties towards Phase 3 of the Project.

Be it resolved by the Council of the City of Pittsburgh as follows:

Section 1.

The Mayor and the Directors of the Department of Parks and Recreation and Public Works are hereby authorized to enter into a Three-Party Project Assistance and Payment Agreement between the City Of Pittsburgh, the Pittsburgh Parks Conservancy ("PPC"), and D'Appolonia, Engineering Division Of Ground Technologies, Inc. in order to document the PPC's provision of certain funding for D'Appolonia's engineering and landscape design consulting services relating to Phase 3 of the Project and D'Appolonia's agreement to accept payment from the PPC toward the Project. Pursuant to this Agreement, the PPC will provide financial assistance for Phase 3 Project Work in an amount not to exceed One Hundred Sixty Eight Thousand, Two Hundred Dollars (\$168,200.00). D'Appolonia will invoice the PPC directly for its contribution towards Phase 3 work.

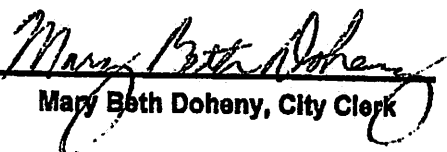
Section 2.

The City's formal authorization to pay its portion of funding to D'Appolonia for Phase 3 Work in an amount not to exceed One Hundred and Six Thousand, One Hundred Forty-Six Dollars and Thirty

Cents (\$106,146.30) is set forth in and governed by the City's On-Call Geotechnical Construction Contract (Controller's Contract No. 50918) and applicable Work Order No. 3/Letter of Authorization dated January 5, 2016.

Any Resolution or Ordinance or part thereof conflicting with the provisions of this Resolution is hereby repealed so far as the same affects this Resolution.

I certify that this is a true copy of Resolution No. 15, passed by Council on 1/19/2016, approved by the Mayor on 1/29/2016. Effective Date 1/29/2016.

Attest: 
Mary Beth Doheny, City Clerk

February 02, 2016
Date Certified



CITY OF PITTSBURGH

Department of Public Works

William Peduto, Mayor

Michael Gable, Director

February 5, 2015

Mr. Edward P. Voytko, P.E.
Senior Principal Engineer
D'Appolonia
275 Center Road
Monroeville, PA 15146-1451

**RE: Heth's Run Ecological and Recreational
Restoration Project
On-Call Professional Geotechnical Services
Work Order No. 1
Controllers Contract No. 50918
BTE Contract No. 14250
BTE Project No. 158-9360
Letter of Authorization Res. 718-14**

Dear Mr. Voytko:

We are in receipt of your attached fee proposal dated January 26, 2015, for professional geotechnical services for Heth's Run located in Highland Park, Pittsburgh, PA 15219. Work tasks include the following:

1. Preliminary Project Development:
 - a. Establish Project Team
 - b. Retrieve and review relevant documentation
 - c. Contact potentially impacted agencies / authorities
 - d. Meetings
 - e. Develop scope of work for subsequent phases.

We find the proposal in the total **not-to-exceed** amount of \$49,493.00 acceptable. You may consider this letter as **Authorization-to-Proceed**.

The new authorization increases the authorized fees to date as follows:

Additional funds to be encumbered per Res. No. 718-14 for D'Appolonia	\$ 49,493.00
Previous 718 Authorizations/Approvals for D'Appolonia (50918)	\$ 0.00
Total Authorizations per Resolution No. 718 to Date for D'Appolonia	\$ 49,493.00

Funds are available in the Lower Heth's Run Athletic Field-Engineering (PAYGO) line item:

Res. No.	Account No.	JDE Funds	JDE Job No.	Budget Year	Amount	Source	Item No.
718-1414	54205	40014	4026750214	2014	\$ 49,493.00	PAYGO	1419

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D'Appolonia
Heth's Run Ecological and Recreational Restoration Project
February 5, 2015
Page 2

If you have any questions, please contact Casimir J. Pellegrini, III, Project Manager of the Architecture Division, at 412-255-2649.

Sincerely,



Michael Gable, CPRP
Director

MG/PH/CP/CG/jh

Attachment

cc: Susan Rademacher/Deb Gross/Guy Costa/Ray Jablonowski/Jennifer Sample/Jim Griffin/
Dawn DeFelice/Marcelle Newman/Patrick Hassett/Caroline Greco/Casimir Pellegrini/Paul Loy/
Andrea Ketzl/File

Approved: PH 2/5/15
Patrick Hassett, Assistant Director

Date: 2/5/15

Approved: Sam Ashbaugh
Sam Ashbaugh
Director-OMB

Date: 2-9-15

Countersigned: Michael E. Lamb
Michael E. Lamb, Controller

Date: 2/9/15
50918





PHASE 1 DPW/BTE-CP-15056

CITY OF PITTSBURGH

Department of Public Works

William Peduto, Mayor

Michael Gable, Director

May 22, 2015

Mr. Edward P. Voytko, P.E.
Senior Principal Engineer
D'Appolonia
275 Center Road
Monroeville, PA 15146-1451

**RE: Heth's Run Ecological and Recreational
Restoration Project
On-Call Professional Geotechnical Services
Work Order No. 1 - Amendment 1
Controllers Contract No. 50918
BTE Contract No. 14250
BTE Project No. 158-9360
Letter of Authorization Res 718-14**

Dear Mr. Voytko:

We are in receipt of your attached Scope Budget Modification Form dated May 13, 2015, for professional civil engineering services for Heth's Run located in Highland Park, Pittsburgh, PA 15219. Work tasks include the following:

1. Preliminary Project Development:
 - a. Additional Time to Establish Project Team

We find the proposal in the total **not-to-exceed** amount of \$2,586.35 acceptable. You may consider this letter as **Authorization-to-Proceed**.

The new authorization increases the authorized fees to date as follows:

Additional funds to be encumbered per Res. No. 718-14 (D'Appolonia)	\$ 2,586.35
Work Order #1 - Heth's Run Ecological and Recreational Restoration Project	\$ 49,493.00
Previous 718 Authorizations/Approvals for D'Appolonia (50918)	\$ 142,302.16
Total Authorizations per Res. No. 718 to Date for D'Appolonia (50918)	\$ 144,888.51
Total 718-14 Authorizations/Approvals for D'Appolonia (50918) Heth's Run Ecological and Recreational Restoration Project	\$ 52,079.35

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Pittsburgh, PA 15201
412-255-2773 Fax: 412-255-2452
www.pittsburghpa.gov



Funds are available in the following line items:

Funds are available in the Heth's Run (PAYGO) line item:

Res. No.	Account No.	JDE Funds	JDE Job No.	Budget Year	Amount	Source	Item No.
718-14	54205	40014	4026750214	2014	\$ 2,586.35	PAYGO	1419

If you have any questions, please contact Casimir J. Pellegrini, III, Project Manager of the Architecture Division at 412-255-2649.

Sincerely,



Michael Gable, CPRP
Director

MG/PH/CP/CG/jh

Attachment

cc: Susan Rademacher/Guy Costa/Jennifer Sample/Deb Gross/Ray Jablonowski/Jim Griffin/
Louann Horan/Dawn DeFelice/Marcelle Newman/Patrick Hassett/Caroline Greco/
Casimir Pellegrini/Thomas Joyce/Paul Loy/Andrea Ketzler/File

Approved: PFH 5/24/15
Patrick Hassett
Assistant Director-DPW

Date: 5/26/15

Approved: Sam Ashbaugh
Sam Ashbaugh
Director-OMB

Date: 5/29/15

Countersigned: Michael E. Lamb
Michael E. Lamb
Controller

Date: 6/1/15
50918





PHASE 1

DPW/BTE-CP-15059

CITY OF PITTSBURGH

Department of Public Works

William Peduto, Mayor

Michael Gable, Director

June 11, 2015

Mr. Edward P. Voytko, P.E.
Senior Principal Engineer
D'Appolonia
275 Center Road
Monroeville, PA 15146-1451

**RE: Heth's Run Ecological and Recreational
Restoration Project
On-Call Professional Geotechnical Services
Work Order No. 1 - Amendment 2
Controllers Contract No. 50918
BTE Contract No. 14250
BTE Project No. 158-9360
Letter of Authorization Res 718-14**

JUN 24 2015

Dear Mr. Voytko:

We are in receipt of your attached Scope Budget Modification Form dated May 30, 2015, for professional civil engineering services for Heth's Run located in Highland Park, Pittsburgh, PA 15206. Work tasks include the following:

1. Preliminary Project Development:
 - a. Additional Time to Establish Project Team

We find the proposal in the total not-to-exceed amount of \$1,924.00 acceptable. You may consider this letter as **Authorization-to-Proceed**.

The new authorization increases the authorized fees to date as follows:

Additional funds to be encumbered per Res. No. 718-14 (D'Appolonia)	\$ 1,924.00
Heth's Run Ecological and Recreational Restoration Project	\$ 52,079.35
Previous 718 Authorizations/Approvals for D'Appolonia (50918)	\$ 170,774.51
Total Authorizations per Res. No. 718 to Date for D'Appolonia (50918)	\$ 172,698.51
Total 718-14 Authorizations/Approvals for D'Appolonia (50918) Heth's Run Ecological and Recreational Restoration Project	\$ 54,003.32

35

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Room 301 City-County Building
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412-255-8850 Fax: 412-255-8847

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**BUREAU OF ENVIRONMENTAL
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3001 Railroad Street
Pittsburgh, PA 15201
412-255-2773 Fax: 412-255-2452
www.pittsburghpa.gov

Funds are available in the Heth's Run (PAYGO) line item:

Res. No.	Account No.	JDE Funds	JDE Job No.	Budget Year	Amount	Source	Item No.
718-14	54205	40014	4026750214	2014	\$ 1,924.00	PAYGO	1419

If you have any questions, please contact Casimir J. Pellegrini, III, Project Manager of the Architecture Division at 412-255-2649.

Sincerely,



Michael Gable, CPRP
Director

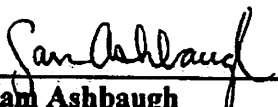
MG/PH/CP/CG/

Attachment

cc: Susan Rademacher/Deb Gross/Guy Costa/Ray Jablonowski/Jennifer Presutti/Jim Griffin/Louann Horan/
Dawn DeFelice/Marcelle Newman/Patrick Hassett/Caroline Greco/Casimir Pellegrini/Paul Loy/
Andrea Ketzell/File

Approved: 
Patrick Hassett, Assistant Director

Date: 6/11/15

Approved: 
Sam Ashbaugh
Director-OMB

Date: 6/19/15

Countersigned: 
Michael E. Lamb, Controller

Date: 6/23/15

50918



SCOPE/BUDGET MODIFICATION REQUEST

Bureau of Transportation and Engineering

BTE Project No.: 158-9360 BTE Project Manager: Casimir Pellegrini

Consultant Name: D'Appolonia Project Name and Work Order No. Heth's Run - Work Order No. 1

Consultant Project Manager: Adam McCullough Amendment Request No: _____

Subconsultant Project Manager: (if applicable): _____

Date: 06/03/2015

BTE Staff Contact: Casimir Pellegrini Consultant Staff Contact: Adam McCullough

Project Design Phases: Phase 1 Preliminary Project Development

Description of Task Modification:

Add/Delete/Revise: Additional time spent on task "Establish Project Team" through May 30, 2015

Increase/Decrease in Cost: \$1,924.00 increase

Reason/Remarks:

Additional time spent on task "Establish Project Team". The time was spent drafting RFP and setting up interviews for landscape architect and correspondence with the project team. This included notification and correspondence with project team and stakeholders group. Also, included preparation for interviews, review of proposals, and evaluation of landscape architect firms. The amount of time spent on this task was more than anticipated in the proposal.

Approved BTE: Casimir Pellegrini Date: 6/10/15

Title: Project Manager

Print Name: Cas Pellegrini

This form is to be filed by the consultant. **Attach marked up man-hour tables detailing the changes requested above.**



DPW/BTE-CP-15085

CITY OF PITTSBURGH

Department of Public Works

William Peduto, Mayor

Michael Gable, Director

August 27, 2015

Mr. Edward P. Voytko, P.E.
Senior Principal Engineer
D'Appolonia
275 Center Road
Monroeville, PA 15146-1451

**RE: Heth's Run Ecological and Recreational
Restoration Project - Phase 2
On-Call Professional Geotechnical Services
Work Order No. 2
Controllers Contract No. 50918
BTE Contract No. 14250
BTE Project No. 158-9360
Letter of Authorization Res. 718-14**

REC'D
5:28 PM 2-31
ERIS OFFICE

Dear Mr. Voytko:

We are in receipt of your attached fee proposal dated June 19, 2015, for professional geotechnical services for Heth's Run located in Highland Park, Pittsburgh, PA 15219. Work tasks include the following:

1. Topographic Survey:
 - a. Topographic Survey and Field Reconnaissance
 - b. Basemap Preparation
 - c. Survey of Streams and Wetlands
 - d. Boundary Survey

We find the proposal in the total **not-to-exceed** amount of \$37,256.00 **acceptable**. You may consider this letter as **Authorization-to-Proceed**.

The new authorization increases the authorized fees to date as follows:

Additional funds to be encumbered for <u>Heth's Run Phase 2 Renovations</u> Per Res. 537-11/718-14 (D'Appolonia)	\$ 37,256.00
<u>Heth's Run. Phase 2 Renovations</u> Amendment No. 1	\$ 0.00
Total Authorizations per Res. No. 537/718 to Date for D'Appolonia (50918) <u>Heth's Run Phase 2 Renovations</u>	\$ 37,256.00
<u>Total Authorizations per Res. No. 537/718 to Date for D'Appolonia (50918)</u>	\$ 278,296.11

AUG-31 2015

HEADQUARTERS

Room 301 City-County Building
414 Grant Street Pittsburgh, PA 15219
412-255-8850 Fax: 412-255-8847

BUREAU OF TRANSPORTATION AND ENGINEERING

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BUREAU OF ENVIRONMENTAL SERVICES

3001 Railroad Street
Pittsburgh, PA 15201
412-255-2773 Fax: 412-255-2452

Mr. Ed Voytko
Heth's Run Ecological and Recreational Restoration Project, Phase 2
August 27, 2015
Page 2

Funds are available in the Heth's Run (PAYGO) line item:

Res. No.	Account No.	JDE Funds	JDE Job No.	Budget Year	Amount	Source	Item No.
718-14	54205	40014	4026750214	2014	\$37,256.00	PAYGO	1419

If you have any questions, please contact Casimir J. Pellegrini, III, Project Manager of the Architecture Division at 412-255-2649.

Sincerely,



Michael Gable, CPRP
Director

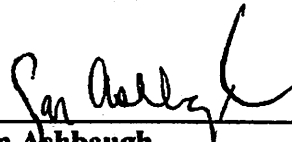
MG/PH/CP/CG/jh

Attachment

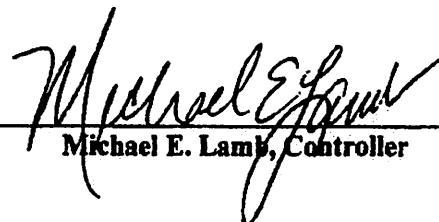
cc: Susan Rademacher/Guy Costa/Deb Gross/Ray Jablonowski/Jennifer Presutti/Jim Griffin/
Rick Williams/Marcelle Newman/Patrick Hassett/Caroline Greco/Casimir Pellegrini/Paul Loy/
Andrea Ketzler/File

Approved: 
Patrick Hassett
Assistant Director

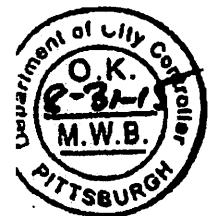
Date: 8/27/15

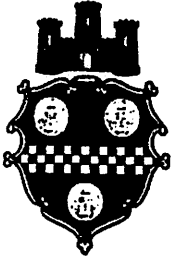
Approved: 
Sam Ashbaugh
Director-OMB

Date: 8-28-15

Countersigned: 
Michael E. Lamb, Controller

Date: 8/31/15
50918





CITY OF PITTSBURGH

Department of Public Works

William Peduto, Mayor

Michael Gable, Director

October 19, 2015

Mr. Edward P. Voytko, P.E.
Senior Principal Engineer
D'Appolonia
275 Center Road
Monroeville, PA 15146-1451

Re: **Heth's Run Ecological and Recreational
Restoration Project Phase 2
On-Call Professional Geotechnical Services
Work Order 2
Controller's Contract No. 50918
BTE Contract No. 14250
BTE Project No. 158-9360
Letter of Authorization Res. 718-14**

Dear Mr. Voytko:

On August 27, 2015, the City of Pittsburgh, Department of Public Works, Bureau of Transportation and Engineering, issued you Work Order No. 2 for Heth's Run Ecological and Recreational Restoration Project-Phase 2, using the current On-Call Professional Geotechnical Services (Copy attached).

PLEASE NOTE: There is no change in fee to this Work Order. However, there are changes to the scope, specifically, sub-account d. Boundary Survey, has been deleted from the scope of work.

In all other respects, Work Order 2 shall remain unchanged and in full force and effect.

If you have any questions regarding this Work Order 2, feel free to contact Mr. Casimir J. Pellegrini, III, Project Manager of the Architecture Division at 412-255-2649.

Sincerely,

Michael Gable, CPRP
Director

MG/PH/CP/CG/jh

Attachments

cc: Jennifer Presutti (w/att.)/Ray Jablonowski (w/att.)/Jim Griffin (w/att.)/Louann Horan (w/att.)/
Ray Jablonowski (w/att.)/Patrick Hassett (w/att.)/Casimir Pellegrini (w/att.)/Caroline Greco (w/att.)/
File (w/att.)

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CITY OF PITTSBURGH

Department of Public Works

William Peduto, Mayor

Michael Gable, Director

August 27, 2015

Mr. Edward P. Voytko, P.E.
Senior Principal Engineer
D'Appolonia
275 Center Road
Monroeville, PA 15146-1451

**RE: Heth's Run Ecological and Recreational
Restoration Project Phase 2
On-Call Professional Geotechnical Services
Work Order No. 2
Controllers Contract No. 50918
BTE Contract No. 14250
BTE Project No. 158-9360
Letter of Authorization Res. 718-14**

REC'D
8 PM 2:31
OFFICE

Dear Mr. Voytko:

We are in receipt of your attached fee proposal dated June 19, 2015, for professional geotechnical services for Heth's Run located in Highland Park, Pittsburgh, PA 15219. Work tasks include the following:

- 1. Topographic Survey:
 - a. Topographic Survey and Field Reconnaissance
 - b. Basemap Preparation
 - c. Survey of Streams and Wetlands
 - d. Boundary Survey

We find the proposal in the total **not-to-exceed** amount of \$37,256.00 acceptable. You may consider this letter as **Authorization-to-Proceed**.

The new authorization increases the authorized fees to date as follows:

Additional funds to be encumbered for <u>Heth's Run Phase 2 Renovations</u> Per Res. 537-11/718-14 (D'Appolonia)	\$ 37,256.00
<u>Heth's Run. Phase 2 Renovations</u> Amendment No. 1	\$ 0.00
Total Authorizations per Res. No. 537/718 to Date for D'Appolonia (50918) <u>Heth's Run Phase 2 Renovations</u>	\$ 37,256.00
<u>Total Authorizations per Res. No. 537/718 to Date for D'Appolonia (50918)</u>	\$ 278,296.11

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412-255-2773 Fax: 412-255-245
www.pittsburghpa.gov

Mr. Ed Voytko
Heth's Run Ecological and Recreational Restoration Project, Phase 2
August 27, 2015
Page 2

Funds are available in the Heth's Run (PAYGO) line item:

Res. No.	Account No.	JDE Funds	JDE Job No.	Budget Year	Amount	Source	Item No.
718-14	54205	40014	4026750214	2014	\$37,256.00	PAYGO	1419

If you have any questions, please contact Casimir J. Pellegrini, III, Project Manager of the Architecture Division at 412-255-2649.

Sincerely,




Michael Gable, CPRP
Director

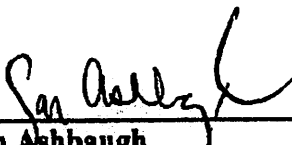
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Attachment

cc: Susan Rademacher/Guy Costa/Deb Gross/Ray Jablonowski/Jennifer Presutti/Jim Griffin/
Rick Williams/Marcelle Newman/Patrick Hassett/Caroline Greco/Casimir Pellegrini/Paul Loy/
Andrea Ketzell/File

Approved: 
Patrick Hassett
Assistant Director

Date: 8/27/15

Approved: 
Sam Ashbaugh
Director-OMB

Date: 8-28-15

Countersigned: 
Michael E. Lamb, Controller

Date: 8/31/15
50918



D'APPOLONIA

275 CENTER ROAD
MONROEVILLE, PENNSYLVANIA 15146-1451
(412) 856-9440 FAX (412) 856-9535

June 19, 2015

D'Appolonia Project No. 154145PR

City of Pittsburgh Department of Public Works
City-County Building – Room 301
414 Grant Street
Pittsburgh, PA 15219
Attn: Mr. Casimir Pellegrini, III, AIA

**Proposed Scope of Services and Budget Estimate
Heth's Run Project
Phase 2 – Topographic Survey
Pittsburgh, Pennsylvania**

**On-Call Professional Geotechnical Services
Work Order No. 2
Controllers Contract No. 50918
BTE Contract No. 14250
BTE Project Number 158-9360**

Dear Mr. Pellegrini:

D'Appolonia Engineering Division of Ground Technology, Inc. (D'Appolonia) is pleased to submit this proposed scope of services and budget estimate to the City of Pittsburgh Department of Public Works (DPW) and Pittsburgh Parks Conservancy (PPC) to continue engineering and landscape architecture design services for the development of the Heth's Run project. This scope and budget estimate is the second phase of a multi-phased project that will culminate in the construction of a new park facility in the existing lower parking lot of the Pittsburgh Zoo and PPG Aquarium.

We understand that these services will be provided under our existing agreement with the City of Pittsburgh Department of Public Works, Bureau of Transportation and Engineering (BTE). The following sections provide our proposed scope of services and budget estimate for Phase 2 – Topographic Survey.

SCOPE OF SERVICES

Based on your request and our understanding of this project, D'Appolonia proposes to provide technical personnel to perform the required construction management, architectural and engineering services for the Heth's Run project. As envisioned by the DPW and PPC, the project will involve multiple stages sequenced and completed over several years. We anticipate that the project phases will include the following:

Phase 1 – Preliminary Project Development

- Phase 2 – Topographic Survey
- Phase 3 – Concept Design
- Phase 4 – Schematic Design/Design Development
- Phase 5 – Construction Document Production
- Phase 6 – Construction Period Services
- Phase 7 – Post Construction Services

This proposal addresses only the Phase 2 Topographic Survey for the project. Based on discussions at our project kick-off and scoping meeting on June 17, 2015, we understand that the Conceptual Design phase of the project will be performed using property boundary documents developed during previous studies related to this project. We expect that updating of those prior efforts will likely be required later to support Schematic Design and Design Development, and a scope and budget for any such services will be prepared when the need for and extent of boundary surveying services is established by the project team.

Based on the preliminary Mackin plans developed for the project, we understand that the topography of at least some portion of the site was surveyed by Mackin in 2007, but we have been unable to obtain the survey limits and data from Mackin and the only information available is a PDF of the site plan. Some significant changes have been made in the topography, particularly at the northern end of the site in conjunction with replacement of the Butler street bridge. Regardless, we will require current topography and utility locations as well as digital topographic data for production of an existing site plan, construction grading plans, cut and fill volume estimation and development of other site details. Therefore, our efforts related to development of a current topographic plan for the site under Phase 2 will consist of the following tasks:

Topographic Survey and Field Reconnaissance

A detailed topographic survey and field reconnaissance will be performed within the 34.2 acre limit shown on Figure 1.

The survey will include identification of existing:

- Utilities
- Structures
- Roadways and signage
- Vegetation and Treelines
- Hydraulic Structures

All surveying and mapping for this project will be performed using the North American Datum of 1983 (NAD 83) State Plane Pennsylvania South Coordinate System horizontal control datum and the North American Vertical Datum of 1988 (NAVD 88) vertical control datum.

A field reconnaissance will be performed with the survey to identify and confirm site constraints including but not limited to utilities, hydraulic structures, and existing parking areas. Using

results of the reconnaissance and survey, D'Appolonia will be able to quantify the existing parking area and number of marked spaces of the existing site.

Basemap preparation

D'Appolonia will prepare a map of the existing conditions to be used as the base map on the conceptual, permit, and construction drawings.

The survey will be used to create a three dimension model that will be used for:

- Construction quantity estimation
- Earthwork - Cut/Fill Calculations
- Site cross sections
- Basis for design calculations including predevelopment hydrology and hydraulics calculations

The basemap will be prepared using Autodesk AutoCAD Civil 3D 2013 software.

The PAMAP Program elevation contours (dated 2006) provided by the Pennsylvania Department of Conservation and Natural Resources (PADCNR) will be used for elevation contour mapping outside of the Phase 2 topographic survey limits shown on Figure 1.

The design one call results will be used to identify and locate utilities on the site and prepare the basemap.

Survey of Streams and Wetlands

A survey to define the locations and limits of streams and wetlands on the site will be performed by our subconsultant surveyor, KAG Engineering (KAG). The survey and mapping work performed by KAG for this task will be coordinated by D'Appolonia so that the survey is performed concurrently with the stream and wetland delineation to be performed by Biohabitats as part of Phase 3 – Conceptual Design. The fee for this task includes budget only for KAG and D'Appolonia, and does not include the cost for delineation of streams and wetlands, which will be included in the budget for the scope of work for Phase 3.

Boundary Survey

As noted previously, D'Appolonia assumes that a boundary survey was performed previously for the project based on our discussions with the City. D'Appolonia has not been able to obtain a record of this survey. If records from this survey are not retrieved by the City, a boundary survey will likely be required to support Phase 4 of the project. The tasks required to complete the boundary survey would include the following:

- Courthouse research on the property and all adjoining properties;
- Plot all deeds and recorded plans;
- Locate all physical evidence of properties;

- Calculate boundary;
- Set boundary corners.

If a boundary survey is required, D'Appolonia will contract KAG to perform the boundary survey.

SCHEDULE

D'Appolonia realized the urgency of the project and commenced the survey activities and basemap preparation on March 21, 2015. D'Appolonia has continued to incrementally collect data during weekends, early mornings, and non-business hours at the Zoo to avoid interference with traffic, pedestrians, and patrons of the zoo. Being onsite performing the survey early on has allowed us to move the project forward without delaying the Phase 3 – Concept Design phase. The survey work will continue into Phase 3 because Biohabitats will be performing and Stream and Wetland delineation in Phase 3 which will require a survey and mapping of the delineated streams and wetlands. At the completion of Phase 2 the basemap will be distributed to the project team for use in the future project phases.

FEE SUMMARY

D'Appolonia's estimated budget for the Phase 2 topographic survey is provided in Table 1. Our services and fees will be in accordance with our existing Agreement with the DPW, Table 2 provides a cumulative summary of anticipated fees for services anticipated through the entire project. At this time, we have only provided an estimate for Phase 1 preliminary project development and Phase 2 topographic surveying services. The budget for services under subsequent phases will be developed incrementally in conjunction with our development of the individual project phase scopes of service.

The estimated budget for D'Appolonia's scope of services, as presented herein, is provided for budgetary purposes only and is based on the understanding of the project and scope of services. Services beyond the indicated scope and/or budget will not be performed without prior written approval by the DPW.

AUTHORIZATION

If this proposal is acceptable to you, please issue a letter authorizing us to proceed with the scope of services defined herein. D'Appolonia will proceed with the scope of services in accordance with our existing agreement with the DPW upon receipt of authorization.

CLOSING

As key members of D'Appolonia, we would like to express our sincere commitment to providing DPW and PPC with quality service, on-time and within budgetary constraints. If you have any questions or the need for clarification of this proposal, please feel free to contact us at (800) 856-9440.

TABLE 1
Proposed Scope of Services and Budget Estimate
Heth's Run Ecological and Recreational Restoration Project
Phase 2 - Topographic Survey
Pittsburgh, Pennsylvania

On-Call Professional Geotechnical Services
Work Order No. 2
Controllers Contract No. 50918
BTE Contract No. 14250
BTE Project Number 158-9360

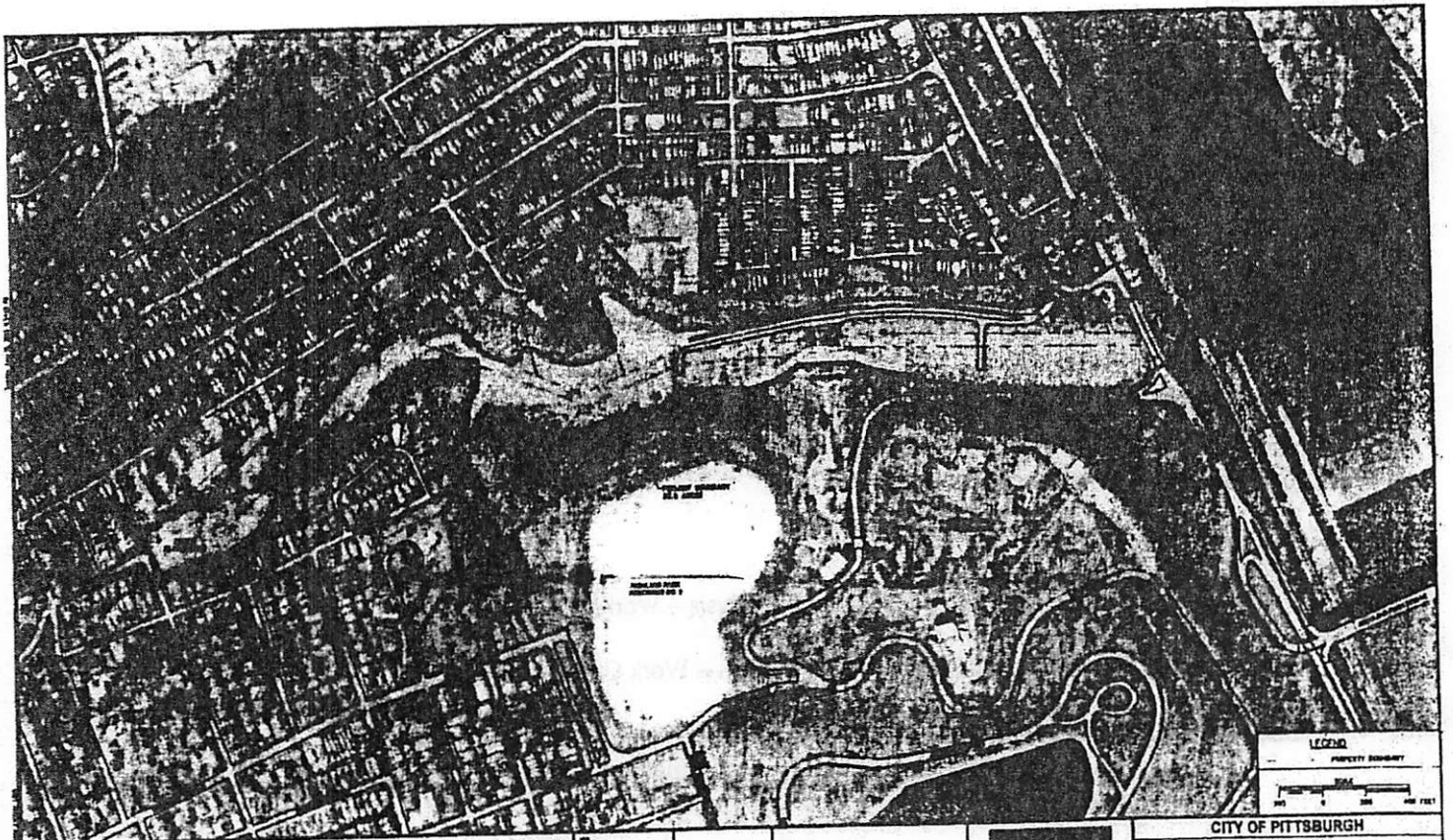
PHASE 2 - TASK DESCRIPTION	Units	Rate	Cost (\$)	Subcontractor (\$)	BUDGET ESTIMATE (\$)
Topographic Survey, Base Map Preparation, and Field					
Senior Project Engineer	160 hours	\$ 117.00	\$ 18,720.00		
Subtotal			\$ 18,720.00	\$ 8,800.00	\$ 27,520.00
Survey of Stream and Wetland Delineation					
Senior Project Engineer	8 hours	\$ 117.00	\$ 936.00		
Subtotal			\$ 936.00	\$ 8,800.00	\$ 9,736.00

ESTIMATED TOTAL BUDGET: \$37,256.00

TABLE 2
Proposed Scope of Services and Budget Estimate
Heth's Run Ecological and Recreational Restoration Project
Phase 2 - Topographic Survey
Pittsburgh, Pennsylvania

On-Call Professional Geotechnical Services
Work Order No. 2
Controllers Contract No. 50918
BTE Contract No. 14250
BTE Project Number 158-9360

Phase	D'Appolonia Fees	Subconsultant Fees	Estimated Direct Expense	Total
Phase 1 - Preliminary Project Development	\$ 52,079.00	-	\$ 52,079.00	\$ 52,079.00
Phase 2 - Topographic Survey	\$ 19,656.00	\$ 17,600.00	\$ 19,656.00	\$ 37,256.00
Phase 3 - Concept Design	TBD	TBD	TBD	TBD
Phase 4 - Schematic Design/Design Development	TBD	TBD	TBD	TBD
Phase 5 - Construction Documentation	TBD	TBD	TBD	TBD
Phase 6 - Construction Period Services	TBD	TBD	TBD	TBD
Phase 7 - Post Construction Services	TBD	TBD	TBD	TBD
Total	\$ 71,735.00	\$ 17,600.00	\$ 71,735.00	\$ 89,335.00



LEGEND

— PROPERTY BOUNDARY

0 100 200 300 400 FEET

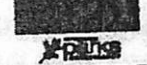
CITY OF PITTSBURGH
HETH'S RUN

FIGURE 1
LAST OF PHASE 2 TOPOGRAPHIC SURVEY

DATE		BY		REVISION	



D'APPOLONIA



PROJECT NUMBER: 0416	DRAWN BY: JAL	CHECKED BY: JAL	DATE: 04/16/04	SCALE: AS SHOWN	DATE: 04/16/04	PROJECT NO.: 0416	FIGURE NO.: 1	REV: 0
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CITY OF PITTSBURGH

DPW/BTE-CP-16001

Department of Public Works

William Peduto, Mayor

Michael Gable, Director

January 5, 2016

Mr. Edward P. Voytko, P.E.
Senior Principal Engineer
D'Appolonia
275 Center Road
Monroeville, PA 15146-1451

**RE: Heth's Run Ecological and Recreational
Restoration Project – Phase 3
On-Call Professional Geotechnical Services
Letter of Authorization/Work Order No. 3
Controllers Contract No. 50918
BTE Contract No. 14250
BTE Project No. 158-9360
Res. No. 718-14**

Dear Mr. Voytko:

We are in receipt of your attached fee proposal dated December 28, 2015 (the "Proposal") for professional geotechnical and engineering services for Heth's Run located in Highland Park, Pittsburgh, PA 15206. Work tasks include the following:

Concept Design:

1. Phase 1: Project Initiation, Inventory and Analysis – Work Order 1 Completed.
2. Phase 2: Development of Concepts and Options – Work Order 2 Completed.
3. Phase 3: Development of Concept Plan – Work Order 3 Includes Tasks 3.1 and 3.2 only. 3.3 TBD and will appear as an amendment to this Letter of Authorization/Work Order 3.

We find the Proposal in the total not-to-exceed amount of \$274,346.30 for Phase 3 acceptable whereby D'Appolonia agrees that the City will pay an amount not to exceed \$106,146.30 and the Pittsburgh Parks Conservancy (PPC) will pay the balance in an amount not to exceed \$168,200.00. D'Appolonia will invoice the City up to \$106,146.30 directly and the balance of \$168,200.00 directly to the PPC.

If the above breakdown of costs is acceptable, you may consider this letter as **Authorization-to-Proceed**, subject to: 1) the terms and conditions of the City's On-Call Geotechnical Agreement with D'Appolonia and 2) D'Appolonia's and PPC's consent as shown below by signatures of authorized representatives.

RECEIVED
JAN 22 2016
DEPT. OF PUBLIC WORKS

HEADQUARTERS
Room 301 City-County Building
414 Grant Street Pittsburgh, PA 15219
412-255-8850 Fax: 412-255-8847

BUREAU OF TRANSPORTATION AND ENGINEERING
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BUREAU OF ENVIRONMENTAL SERVICES
3001 Railroad Street
Pittsburgh, PA 15201
412-255-2773 Fax: 412-255-2452

Mt. Ed Voytko

Heth's Run Ecological and Recreational Restoration Project, Phase 3

January 5, 2016

Page 2

The above breakdown of costs for Phase 3 is further described in the Three-Party Project Assistance and Payment Agreement between the City of Pittsburgh, the Pittsburgh Parks Conservancy, and D'Appolonia, Engineering Division Of Ground Technologies, Inc. for funding D'Appolonia Work on the Project.

The new authorization increases the City's authorized fees to date as follows:

Original not-to-exceed amount for <u>Heth's Run Phase 3 Renovations</u> (50918)	\$ 106,146.30
<u>Heth's Run Phase 3 Renovations</u> Amendment No. 1 (50918)	\$ 0.00
<u>Heth's Run Phase 3 Renovations</u> Amendment No. 2 (50918)	\$ 0.00
Total not-to-exceed amount for <u>Heth's Run Phase 3 Renovations</u>	\$ 106,146.30

Funds are available in the Heth's Run (BOND/PAYGO) line item:

Res. No.	Account No.	JDE Funds	JDE Job No.	Budget Year	Amount	Source	Item No.
718-14	54205	40014	4026750214	2014	\$106,146.30	PAYGO	1419

If you have any questions, please contact Casimir J. Pellegrini, III, Project Manager of the Architecture Division at 412-255-2649.

Sincerely,



Michael Gable, CPRP
Director

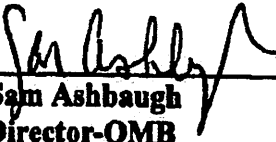
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Attachment

cc: Susan Rademacher/Guy Costa/Deb Gross/Jim Griffin/Jennifer Presutti/Ray Jablonowski/
Rick Williams/Marcelle Newman/Patrick Hassett/Caroline Greco/Cas Pellegrini/Andrea Ketzel/File

Approved: 
Patrick Hassett
Assistant Director-DPW

Date: 1/5/16

Approved: 
Sam Ashbaugh
Director-OMB

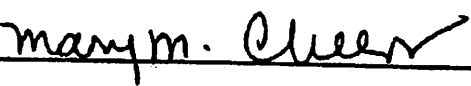
Date: 1-8-16



Countersigned: 
Michael E. Lamb, Controller

Date: 1/20/16
50918

CONSENTED TO BY:  on behalf of D'Appolonia

CONSENTED TO BY:  on behalf of Pittsburgh Parks Conservancy

FOR CITY ADMINISTRATIVE USE:

Total Auth. per Res. No. 537/718 to Date for D'Appolonia (50918) \$ 392,411.41
(Total represents all D'Appolonia work to date performed under Contract #50918; not limited to Heth's Run.)



CITY OF PITTSBURGH

DPW/BTE-CP-16001

Department of Public Works

William Peduto, Mayor

Michael Gable, Director

January 5, 2016

Mr. Edward P. Voytko, P.E.
Senior Principal Engineer
D'Appolonia
275 Center Road
Monroeville, PA 15146-1451

**RE: Heth's Run Ecological and Recreational
Restoration Project - Phase 3
On-Call Professional Geotechnical Services
Letter of Authorization/Work Order No. 3
Controllers Contract No. 50918
BTE Contract No. 14250
BTE Project No. 158-9360
Res. No. 718-14**

Dear Mr. Voytko:

We are in receipt of your attached fee proposal dated December 28, 2015 (the "Proposal") for professional geotechnical and engineering services for Heth's Run located in Highland Park, Pittsburgh, PA 15206. Work tasks include the following:

Concept Design:

1. Phase 1: Project Initiation, Inventory and Analysis – Work Order 1 Completed.
2. Phase 2: Development of Concepts and Options – Work Order 2 Completed.
3. Phase 3: Development of Concept Plan – Work Order 3 Includes Tasks 3.1 and 3.2 only. 3.3 TBD and will appear as an amendment to this Letter of Authorization/Work Order 3.

We find the Proposal in the total not-to-exceed amount of \$274,346.30 for Phase 3 acceptable whereby D'Appolonia agrees that the City will pay an amount not to exceed \$106,146.30 and the Pittsburgh Parks Conservancy (PPC) will pay the balance in an amount not to exceed \$168,200.00. D'Appolonia will invoice the City up to \$106,146.30 directly and the balance of \$168,200.00 directly to the PPC.

If the above breakdown of costs is acceptable, you may consider this letter as Authorization-to-Proceed, subject to: 1) the terms and conditions of the City's On-Call Geotechnical Agreement with D'Appolonia and 2) D'Appolonia's and PPC's consent as shown below by signatures of authorized representatives.

HEADQUARTERS
Room 301 City-County Building
414 Grant Street Pittsburgh, PA 15219
412-255-8850 Fax: 412-255-8847

**BUREAU OF TRANSPORTATION AND
ENGINEERING**
Room 301 City-County Building
414 Grant Street Pittsburgh, PA 15219
412-255-8850 Fax: 412-255-8847

BUREAU OF OPERATIONS
611 Second Avenue
Pittsburgh, PA 15219
412-255-2790 Fax: 412-255-8981

**BUREAU OF ENVIRONMENTAL
SERVICES**
3001 Railroad Street
Pittsburgh, PA 15201
412-255-2773 Fax: 412-255-2452
www.pittsburghpa.gov

Mr. Ed Voytko
Heth's Run Ecological and Recreational Restoration Project, Phase 3
January 5, 2016
Page 2

The above breakdown of costs for Phase 3 is further described in the Three-Party Project Assistance and Payment Agreement between the City of Pittsburgh, the Pittsburgh Parks Conservancy, and D'Appolonia, Engineering Division Of Ground Technologies, Inc. for funding D'Appolonia Work on the Project.

The new authorization increases the City's authorized fees to date as follows:

Original not-to-exceed amount for <u>Heth's Run Phase 3 Renovations</u> (50918)	\$ 106,146.30
<u>Heth's Run Phase 3 Renovations</u> Amendment No. 1 (50918)	\$ 0.00
<u>Heth's Run Phase 3 Renovations</u> Amendment No. 2 (50918)	\$ 0.00
Total not-to-exceed amount for <u>Heth's Run Phase 3 Renovations</u>	\$ 106,146.30

Funds are available in the Heth's Run (BOND/PAYGO) line item:

Res. No.	Account No.	JDE Funds	JDE Job No.	Budget Year	Amount	Source	Item No.
718-14	54205	40014	4026750214	2014	\$106,146.30	PAYGO	1419

If you have any questions, please contact Casimir J. Pellegrini, III, Project Manager of the Architecture Division at 412-255-2649.

Sincerely,




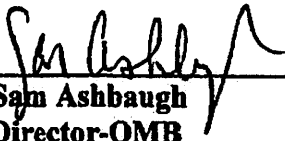
Michael Gable, CPRP
Director

MG/PH/CP/CG/

Attachment


cc: Susan Rademacher/Guy Costa/Deb Gross/Jim Griffin/Jennifer Presutti/Ray Jablonowski/
Rick Williams/Marcelle Newman/Patrick Hassett/Caroline Greco/Cas Pellegrini/Andrea Ketzell/File

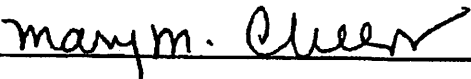
Approved:  Date: 1/5/16
Patrick Hassett
Assistant Director-DPW

Approved:  Date: 1-8-16
Sam Ashbaugh
Director-OMB



Countersigned:  Date: 1/20/16
Michael E. Lamb, Controller
50918

CONSENTED TO BY:  on behalf of D'Appolonia

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FOR CITY ADMINISTRATIVE USE:

Total Auth. per Res. No. 537/718 to Date for D'Appolonia (50918) \$ 392,411.41
(Total represents all D'Appolonia work to date performed under Contract #50918; not limited to Heth's Run.)

D'APPOLONIA

275 CENTER ROAD
MONROEVILLE PENNSYLVANIA 15146-1451
(412) 856-9443 FAX (412) 856-9535

December 28, 2015

D'Appolonia Project No. 154145PR

City of Pittsburgh Department of Public Works
City-County Building – Room 301
414 Grant Street
Pittsburgh, PA 15219
Attn: Mr. Casimir Pellegrini, III, AIA

Proposed Scope of Services and Budget Estimate (Revision 2)
Heth's Run Project
Phase 3 – Concept Design
Pittsburgh, Pennsylvania

On-Call Professional Geotechnical Services
Work Order No. 3
Controllers Contract No. 50918
BTE Contract No. 14250
BTE Project Number 158-9360

Dear Mr. Pellegrini:

D'Appolonia Engineering Division of Ground Technology, Inc. (D'Appolonia) is pleased to submit this revised proposed scope of services and budget estimate to the City of Pittsburgh Department of Public Works (DPW) and Pittsburgh Parks Conservancy (PPC) to continue engineering and landscape architecture design services for the development of the Heth's Run project. This scope and budget estimate is the third phase of a multi-phased project that will culminate in the design for the Heth's Run site, incorporating stormwater management, pedestrian/bicycle/motor vehicle circulation, and recreational facilities.

SUMMARY OF REVISIONS TO THE PROPOSAL

This is the second revision to the Phase 3 proposal.

- Revision 0 – August 18, 2015 – Original Proposal
- Revision 1 – September 18, 2015
- Revision 2 – December 23, 2015

Revision 1 - Summary

D'Appolonia's original proposal (Revision 0) for Phase 3 dated August 18, 2015 was discussed during a teleconference between D'Appolonia, the City, and PPC on August 27, 2015. As a result of the discussion, and based on Phase 3 funding limitations identified by the City and PPC, the following scope items were eliminated from D'Appolonia's original August 18, 2015 proposal:

Phase 3.1

- Develop Public Outreach Plan
- Key Agency & Stakeholder Meetings
- Traffic Engineering Data Collection & Synthesis
- SITES – Pre-Design Assessment & Planning
- Steering Committee Meeting #1 – Assessment & Design Visioning
- Public Meeting #1 – Heth's Run Workshop

Phase 3.2

- Develop Options for Trail Vista Points
- Develop Options for Restoration, Recreation & Rehabilitation of Woodlands & Natural Areas
- Develop Lighting Concepts
- Evaluate Options Relative to SITES
- Develop Public Artist Selection Criteria and Select Artist
- Steering Committee Meeting #2 – Review of Draft Concept Plan & Plan Variables

Phase 3.3

- Develop Public Art Concept

Revision 2 - Summary

D'Appolonia and subconsultant project team (WRT, Biohabitats, Kolano Design, and Nelson/Nygaard) were give Notice to Proceed by Casimir Pellegrini of the DPW via e-mail on October 22, 2015. After completing a portion of our work scope and after the Project Team Workshop and Stakeholder Meetings on December 9 and December 10, it was determined that reallocation of some project funds to consultants retained directly ty the DPW and PPC, funding limitations identified by the City and PPC, and a modification of the project focus to consider the potential economic viability of including a parking structure required a further revision to the Phase 3 proposal and budget, resulting in a need to reduce the total fee for Phase 3. In addition to a reduced fee it was deemed necessary to bring on another consultant to give advice on funding for a possible parking structure. This proposal reduces the total fee for the project team, adds a financial advisor consultant and reorganizes the remaining fees to the changed priorities in the Phase 3 concept design. To accommodate the Phase 3 budget limitations, a portion of the project team's work will be held until future funding is available. Those scope items that will be held are identified in Table 1, and the Subtotal Fees Per Task for these scope items is listed as To Be Determined (TBD). The tasks identified will not be completed until a later time as authorized by the City and PPC when funding becomes available.

SCOPE OF SERVICES

Based on your request and our understanding of this project, D'Appolonia proposes to provide technical personnel to perform the required construction management, architectural and engineering services for the Heth's Run project. As envisioned by the DPW and PPC, the

project will involve multiple stages sequenced and completed over several years. We anticipate that the project phases will include the following:

- Phase 1 – Preliminary Project Development
- Phase 2 – Topographic Survey
- Phase 3 – Concept Design
- Phase 4 – Schematic Design/Design Development
- Phase 5 – Construction Document Production
- Phase 6 – Construction Period Services
- Phase 7 – Post Construction Services

We understand that these services will be provided under our existing agreement with the City of Pittsburgh Department of Public Works, Bureau of Transportation and Engineering (BTE). The following sections provide our proposed scope of services and budget estimate for Phase 3 – Concept Design.

This proposal addresses only the Phase 3 Concept Design for the project.

PROJECT TEAM

The project team was chosen in coordination with the City DPW and the PPC based on a selection process that included input from other project stakeholders. The selection process was part of the work completed in Phase 1. A summary of that selection process is provided below.

A request for Letter of Interest (RFLOI) was distributed to 11 landscape architecture firms identified by the DPW, PPC and D'Appolonia based on prior experience, including both local firms and firms located elsewhere across the United States. Ten of the eleven firms submitted LOI's to D'Appolonia. The City, PPC, and D'Appolonia then shortlisted three of the ten firms based on a review of their team's corporate and personnel experience and qualifications, their vision for this proposed development, and their estimated budgeting requirements. The shortlisted firms were then invited to submit technical and fee proposals and to interview and make presentations to the project team and stakeholders group. At the end of this process Wallace, Roberts, and Todd (WRT) and their team were selected for the Heth's Run project.

WRT's team originally included Biohabitats, Inc., The Lighting Practice, and Kolano Design. Due to the existing and expected complexity and perceived importance of vehicular, pedestrian and public transportation on this project, and as a result of discussions at a project kick-off meeting on June 17, 2015 with WRT, City, and PPC, WRT subsequently engaged Nelson\Nygaard and Trans Associates for conceptual traffic/transportation engineering with the concurrence of D'Appolonia, the City and PPC.

After D'Appolonia submitted a proposal for Phase 3 on August 18, 2015, the City and PPC determined that the proposed fees were greater than the available funding for Phase 3. D'Appolonia and WRT revised the scope of services and project team based on input from the

City and PPC. During a teleconference between D'Appolonia, the City, and PPC on August 27, 2015, The Lighting Practice and the lighting scope of work was eliminated from the Phase 3 work scope, with the understanding that this effort would be incorporated in a later project phase. It was also determined that Trans Associates and the local traffic engineering scope of work would be removed from Phase 3 work, and the City agreed that they would provide the local traffic engineering and traffic data for the project team to use during Phase 3 of the project. Additionally, public outreach efforts were eliminated from the scope of work at the request of the City and PPC. In this regard, the City and PPC agreed to develop a plan for and implement all public outreach activities for the project (including coordinating communications, attending meetings and interfacing with the steering committee, public and stakeholders) and providing relevant input to the project team.

Following the Project Team Workshop and Stakeholder Meetings on December 9 and December 10 it was determined that a greater emphasis should be put on vetting the concept of a parking structure. As result HR&A Advisors, Inc. has been added to the project team.

A revised organizational chart (provided by WRT) for the project team for Phase 3 is attached to this proposal (See Attachment 1).

PHASE 3 – CONCEPT DESIGN – SCOPE OF SERVICES

D'Appolonia and the project team will work closely with the City and PPC through Phase 3 Concept Design to ultimately select a preferred concept that will reclaim the valley between Highland Park and Morningside as a public green space for the City of Pittsburgh and will create a grand entrance to Highland Park and improve the entry of the Pittsburgh Zoo.

Phase 3 is divided into four sub phases:

- 3.1: Project Initiation, Inventory and Analysis
- 3.2: Development of Concepts and Options
- 3.3: Concept Plan Feasibility
- 3.4: Development of Concept Plan

Because Phase 3 will primarily involve the development of architectural, landscaping, recreational, ecological, and transportation interface concepts for Heth's Run in Highland Park, the majority of Phase 3 services will be directed by and coordinated through WRT and their subconsultants. Engineering support, assistance with data collection and technical input related to site grading, drainage, geotechnical, geo-environmental and permitting issues will be provided by D'Appolonia. D'Appolonia's engineering efforts related to relevant geotechnical issues and designs, final site grading, gray stormwater design and permitting assistance will be more intensive during subsequent phases of the project.

A detailed Phase 3 scope of work (developed by WRT) for WRT and WRT's subconsultants is provided in Attachment 2. The following sections outline D'Appolonia's scope of Phase 3

services, to be provided in conjunction with and support of WRT's scope items. The item numbers identified below correspond to the item numbers in WRT's Scope of Work.

3.1: Project Initiation, Inventory and Analysis

Phase 3.1 was started in conjunction with the Phase 2 topographic survey work, for which a proposal was submitted to the DPW by D'Appolonia on June 19, 2015 and formally authorized on October 19, 2015. At the completion of Phase 2, a base map will be distributed to the project team for use in Phase 3. The survey work in Phase 2 will overlap/continue into Phase 3 in conjunction with Biohabitats performance of Stream and Wetland delineation in Phase 3, as surveying and mapping of the delineated streams and wetlands will be required. D'Appolonia's scope for Phase 3.1 includes the following items:

- 3.1.1 – Provide available background information to WRT.
- 3.1.2 – Attend Project Kickoff meeting and site visit and meetings with stakeholders (November 2 and 3)
- 3.1.3 – Meet with Biohabitats in the field for a site walk and to coordinate survey of streams and wetlands
- 3.1.4 – Work with project team to identify and evaluate project physical constraints and opportunities
- 3.1.5 – Work with project team to develop program assessment

3.2: Development of Concepts and Options

D'Appolonia will coordinate and work with the project team to develop concepts and options for Heth's Run. D'Appolonia's scope for Phase 3.2 includes the following items:

- 3.2.1 – Assist WRT in initial development and evaluation transportation options for the park and zoo entry and options for parking
- 3.2.2 – Work with project team to develop initial grading plans for soccer field and trails
- 3.2.3 – Provide input to WRT regarding the Allegheny River Overlook
- 3.2.4 – Collaborate with WRT and Biohabitats to develop initial concepts for stormwater design
- 3.2.5 – Work with project team to develop initial options for Highland Park Frontage, Park Gateway & Park Entry
- 3.2.6 – Attend 2 day team workshop (December 9 and 10)

D'Appolonia's efforts on these tasks will be related primarily to evaluation of stormwater management, geotechnical and site grading issues.

In regard to Task 3.2.4, D'Appolonia will assist WRT and Biohabitats in developing concepts for stormwater design. In subsequent Phase 4 and Phase 5, D'Appolonia will generally design the gray stormwater infrastructure and Biohabitats will design the green stormwater infrastructure.

The Phase 3 scope of stormwater concept development will encompass only the project site (Heth's Run Valley), with some limited general consideration for potential stormwater contributions from surrounding areas (including the zoo and the adjacent communities). It is our understanding that the project team will be relying on Matt Graham (Landbase Systems), a consultant to the PPC, to provide information needed for the consideration and incorporation of storm runoff data from adjacent contributing watersheds outside of the project boundary. The project team's scope for this phase will generally involve collection and review of existing, available information in preparation for the stormwater modeling that will be performed in Phase 4. A stormwater model of existing conditions is not included in Phase 3 and will be developed in Phase 4. Phase 3 will include identification of additional hydrologic (stormwater) data needs for collection, development and input during Phase 4. In Phase 3, D'Appolonia will review and assess the availability and suitability of site hydrologic and hydraulic information, and review existing gray stormwater infrastructure relative to conveyance of stormwater flows from the project site to the Allegheny River.

As noted above, the project team's Phase 3 scope does not generally include detailed review or evaluation of stormwater control facilities within the Zoo property. However, the project team may attempt to collect and generally review some of the Zoo stormwater infrastructure information (especially for the area at the Zoo entrance/gates) depending on the stormwater concepts being considered by Biohabitats, the City, PPC, and Zoo.

The items in Task 3.2.4 on which D'Appolonia will assist are as follows:

- Data review and initial mapping
- Field reconnaissance
- Desktop analysis
- Options development
- Preferred concept development
- Work sessions with Landbase Systems

3.3: Concept Plan Feasibility

Task 3.3 will assess the feasibility of the concept plan. D'Appolonia's scope of services for Phase 3.3 includes the following items:

- 3.3.2 – Work with the project team to develop an order of magnitude cost comparison between the current concept plan and the Mackin plan
- 3.3.4 – Work with the project team to prepare a Power Point narrative describing the opportunities and constraints associated with the Mackin Plan and the concept plan that was developed during the team workshop on December 9 and 10 and meet with the City an PPC prior to the Leadership Session.

3.4: Development of Concept Plan

Task 3.4 will involve further development of the selected concept plan. D'Appolonia's scope of services for Phase 3.4 includes the following items:

- 3.4.2 – Attend 2 day team design charrette
- 3.4.3 – Complete development of concept options and plan variables that were started in Phase 3.2
- 3.4.5 – Attend Client/Steering Committee Review Meeting
- 3.4.6 – Attend Public Meeting #1
- 3.3.7 – Work with the project team in preparing concept design plans
- 3.3.8 – Work with the project team, the City and PPC in assessing and prioritizing the project in terms of design, permitting and construction.
- 3.4.9 – Work with project team on the revised Order of Magnitude Cost Estimate related to site grading, site development and gray stormwater facilities.
- 3.3.10 – Meet with project team, City, PPC, and steering committee to review the concept plan
- 3.4.11 – Work with project team in identifying needs for additional/supplemental studies, mapping, and data collection required for subsequent project Phases

SCHEDULE

The project team was give Notice to Proceed and began work for Phase 3 on October 22, 2015 based on Revision 1 to our Phase 3 proposal. The project team originally expected that the duration of Phase 3 would be 5 to 6 months; however, given the pause in work between December 10, 2015 and the approval of this revised proposal and the feasibility/uncertainty of the construction funding for this project as it relates to our conceptual design, the duration of Phase 3 may change. A preliminary schedule (provided by WRT) for Phase 3 is attached to this proposal (See Attachment 3). The task items in the schedule correspond to the items in the scope of work provided in Attachment 2.

FEE SUMMARY

D'Appolonia's estimated budget for the Phase 3 concept design is provided in Table 1. Our services and fees will be in accordance with our existing Agreement with the DPW. We understand that a portion of the fees for Phase 3 services will be invoiced directly to the PPC pending completion and execution of an agreement between the DPW, PPC and D'Appolonia stipulating the provisions for such invoicing. Other than the modified invoicing procedures, our services will be provided in accordance with the terms and conditions of our current agreement with the DPW.

Table 2 provides a cumulative summary of anticipated fees for services anticipated through the entire project. At this time, we have only provided estimates for Phase 1 preliminary project development, Phase 2 topographic surveying services, and Phase 3 concept design. The budget

for services under subsequent phases will be developed incrementally in conjunction with our development of the individual project phase scopes of service.

The estimated budget for D'Appolonia's scope of services, as presented herein, is provided for budgetary purposes only and is based on the understanding of the project and scope of services. Services beyond the indicated scope and/or budget will not be performed without prior written approval by the DPW and PPC.

AUTHORIZATION

If this proposal is acceptable to you, please issue a letter authorizing us to proceed with the scope of services defined herein. D'Appolonia will proceed with the scope of services in accordance with our existing agreement with the DPW upon receipt of authorization.

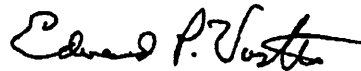
CLOSING

As key members of D'Appolonia, we would like to express our sincere commitment to providing DPW and PPC with quality service, on-time and within budgetary constraints. If you have any questions or the need for clarification of this proposal, please feel free to contact us at (800) 856-9440.

Respectively submitted,
D'Appolonia Engineering Division of Ground Technology, Inc.



Adam J. McCullough, P.E.
Project Manager | Senior Project Engineer



Edward P. Voytko, P.E.
Senior Principal Engineer

Attachments: Project Team Organizational Chart
Wallace, Roberts, and Todd (WRT) Scope of Work
Wallace, Roberts, and Todd (WRT) Schedule
Table 1 – Task Outline and Budget Table
Table 2 – Proposed Scope of Services and Budget Estimate

Attachment 1

Project Team Organizational Chart

SCOPE OF WORK

Reclaiming Heth's Run

December 23, 2015

INTRODUCTION

The WRT Team understands that the goal of this project is to create a grand entrance to Pittsburgh's historic regional Highland Park (including vehicular access to the Zoo and Park facilities), to provide new recreational assets (including a recreational field and trail connections linking the neighborhoods, Park and Zoo), to organize parking for the Zoo and Highland Park, and to express ecological values (including artful stormwater implementation and restoration of woodland habitats).

Our process will generate a concept plan that:

- establishes a detailed vision, framework, design and development guidelines, and strategic direction to guide the implementation and provision of parks, open space, and trails within Heth's Run well into the future based on the stated goals of Identity and Access, Ecology and Recreation
- promotes and integrates economic, societal, and environmental sustainability best practices and provides a means to measure the success of their implementation
- seamlessly transitions to future detailed design and construction stages of the project
- provides high-quality final documents that generate awareness and advocacy and serve as a "marketing" tool to secure additional funds and forge new partnerships to construct new park amenities, trails and recreational opportunities
- explores recreational opportunities for families and children in keeping with current trends
- articulates appropriate staffing and operating resources to successfully implement the plan

The following scope of work outlines the major tasks to be undertaken to achieve the desired outcome for Reclaiming Heth's Run. The scope of work is organized into four phases:

- Phase 3: Concept Design, which has been defined in this scope as three sub-phases:
 - 3.1: Project Initiation, Inventory & Analysis
 - 3.2: Development of Concepts & Options

- Field location of the delineation using GPS for conceptual planning purposes ONLY.
- Preparation of a wetland delineation report for submittal to the Corps and State of Pennsylvania (after approval of the concept plan and full survey).
- Attendance at one jurisdictional determination meeting on-site.

This effort does not include additional meetings with the regulatory agencies; resetting flagging when a full survey is undertaken; or subsequent regulatory permitting support. A metes and bounds survey of the delineation will be provided by KAG.

Deliverables: Inclusion of delineated wetlands and streams into the base files and a wetland delineation report for submittal to the Corps and State of Pennsylvania (after approval of the concept plan and full survey).

Task 3.1.4: Identify & Evaluate Project Physical Constraints & Opportunities

WRT will identify and evaluate project physical constraints, including but not limited to surrounding property and facility interferences, stream and wetlands, Zoo access by all modes and parking requirements, and documented environmental issues (including a summary Pennsylvania Act 2 Land Recycling limitations on development to be provided by D'Appolonia).

Deliverables: Constraints & Opportunities maps and narrative to be incorporated into the final concept plan.

Task 3.1.5: Program Assessment

The WRT Team will review the current program listed in the RFLOI and RFP and identify and prioritize needs as well as consider and incorporate broader park and open space issues as a basis for development of concepts and options. It will rely heavily upon previous studies as well as input provided by the Client and the public at large. WRT may generate additional program ideas based on the opportunities identified during this phase, for review with the Client, stakeholders and public. This information will be organized into a program assessment matrix.

Deliverables: Program Assessment Matrix

3.2: Development of Concepts & Options

Task 3.2.1: Initial Assessment, Development & Evaluation of Transportation Options for a Park & Zoo Entry & Short/Long Term Options for Surface & Structured Parking
The WRT Team will assess, develop and evaluate options for a Park and Zoo entry, vehicular, pedestrian, bike, and bus access and circulation, including Zoo and Highland Park parking. This assessment will calculate Zoo attendance by distance to highlight

Attachment 2

Wallace, Roberts, and Todd (WRT) Scope of Work

City of Pittsburgh and the Pittsburgh Parks Conservancy

D'Appolonia

Prime Consultant
Civil Engineering
Permitting
Geotechnical

Adam J. McCullough, PE
Project Manager

WRT

Eric Tamulonis, RLA, ASLA, LEED AP
Principal in Charge

Charles Neer, RLA, ASLA
Project Manager

Architecture

Richard King, AIA, LEED AP BD+C
Project Architect

Karen Blanchard, AIA, LEED AP BD+C
Architect

Jared McKnight
Designer

Landscape Architecture

Keiko Cramer, RLA, ASLA
Consulting Principal

Jeff Alexander, RLA, ASLA
Landscape Architect

Stormwater Management / Planning

Andrew Dobshinsky, AICP, CUD
Planner

Biohabitats, Inc.

Conservation Planning
and Ecological Restoration

Keith Bowers, FASLA, RLA, PWS
Principal

Jennifer Missett, PE
Project Manager / Water
Resources Engineer

Edward Morgereth
Senior Ecologist

Chris Streb, PE, LEED AP
Ecological Engineer

Jennifer Dowdell, LEED AP
Landscape Ecological Designer

Kolano Design

Signage and Wayfinding

William Kolano
Principal

Laura Kolano
Project Manager

Adam Killen
Industrial Designer

Nelson Nygaard

Conceptual Transportation
Planning

David Fields, AICP
Principal

Iain Banks, PTP
Senior Associate

HR+A

Financial Feasibility
Advisors

Candace Damon
Principal

Alex Stokes
Project Manager

- 3.3 Concept Plan Feasibility
- 3.4: Development of Concept Plan
- Phase 4: Schematic Design / Design Development
- Phase 5: Construction Document Production
- Phase 6: Construction Period Services
- Phase 7: Post-Construction Services

The final scope of services for the WRT Team and D'Appolonia for Phase 6 and 7 will be developed based on the results of the Concept Phase Design.

For the purposes of this scope of work, the word "Client" refers to the City of Pittsburgh and the Pittsburgh Parks Conservancy.

PHASE 3 – Concept Design

3.1: Project Initiation, Inventory & Analysis

Task 3.1.1: Review / Assess Project Records / Documentation

D'Appolonia will provide the WRT Team with available background information such as any previous design plans for this site, and studies, (e.g., history, environmental inventories); base maps and aerial photographs (electronic); and other information deemed appropriate. The WRT Team will review the background materials to provide an informed foundation for the kick-off meeting and study area tour to be conducted in Task 3.1.2.

WRT will conduct background research to inform the development of the concept plan and to orient the master site plan reader to the community, the overall park system and generally how this specific site fits into the larger City park system. Review will include but is not limited to:

- Natural Areas Study (Biohabitats - June 2010) (As part of the WRT Team, Biohabitats will conduct and build upon a review of detailed project background from this project.)
- Heth's Run Conceptual Plans (Mackin Engineering – May 2008) and construction documents
- Subsurface Exploration and Geotechnical Recommendations (D'Appolonia – April 2003)
- Subsurface Exploration and Geotechnical Recommendations (D'Appolonia – February 2004)
- Highland Park Master Plan (2000 and 2014)
- Butler Street Bridge – Phase II Environmental Site Assessment (Gannett Fleming – March 2002)
- Allegheny Riverfront Vision Plan (February 2011)

- Additionally, review will include other planning and design documents that provide an understanding of the planning and design context of the project.

Deliverables: Background narrative to be incorporated into the concept plan and incorporated into the kick-off meeting presentation.

Task 3.1.2: Kick-Off Meeting; Site Visit and Stakeholder Meetings

On the first day of the two day meetings, the WRT Team will conduct a project kick-off meeting with the Client to discuss project strategy and review the major issues with Heth's Run. Much of the meeting will be devoted to understanding the work that has previously been done by the City that has led to the need for the requested concept plan. Parameters for conceptual design will be discussed in terms of givens and variables to be explored. Communication protocols will also be established between the WRT Team and D'Appolonia.

Following the kick-off meeting, the WRT Team, along with the Client will visit the site. The site visit will review the key existing conditions, valley context, general conditions, opportunities and constraints, note particular features, assess current natural resources and recreation amenity potential. The WRT Team will make other site visits throughout the concept planning process on their own to gather further site information.

On the second day of meetings, the Design Team and Client will meet with various project stakeholder groups to introduce them to the project and the Design Team as well as to hear from the stakeholders what their vision is for reclaiming Heth's Run. Meetings with the following stakeholders include:

- Ex-State Senator Jim Ferlo
- The Pittsburg Zoo and Aquarium
- Jackson Clark Partners
- Key City Representatives
- Matt Graham – Landbase Systems
- Morningside & Highland Park Neighborhood Representatives

Deliverables: Meeting minutes will be distributed to the Design Team and Client for all meetings.

Task 3.1.3: Wetland and Stream Delineation

The WRT Team, led by Biohabitats, will delineate wetlands and waters of the U.S. within the project site boundary. This will include:

- Field delineation of wetlands and waters of the U.S. using 1987 Manual + Regional Guidance

opportunity populations with the greatest potential to access the site via non-driving modes. The team will look at the potential feasibility of a parking garage on site but concepts for a parking garage will not be developed past initial access assessments by Nelson\Nygaard and sketches by WRT's architects to test scale, parking counts and garage access. The site circulation and access efforts will include planning-level consideration for the intersection and entrance to Highland Park and the Zoo.

The concepts will include:

- **Pedestrian and Bicycle Strategies** including clear and direct routes that safely connect within the area and to surrounding neighborhoods as well as the regional bicycle network, and identifying improvements to increase safety and the attractiveness of these modes.
- **Transit Strategy** working with the Port Authority of Allegheny County, recommending transit service changes, including possible new routings for existing bus services and options for connections to the proposed Allegheny River Waterfront commuter rail.
- **Vehicular Safety Strategy** to ensure comfortable and safe vehicle progression to the site without creating safety conflicts or excessive vehicle speeds, including opportunities for access to the site from Butler Street, Baker Street, and One Wild Place. Our Team's understanding of effective traffic management recognizes that many vehicular safety issues also are safety issues for bikers and walkers as well.
- **Parking Management Strategy** to determine the benefits of providing different amounts of parking to meet demand without overwhelming the park itself as well as locations for the parking supply with related access points..

No new transportation data will be collected for this task. Data available from the Client will be used for development of the above concepts. Such available data includes stakeholder's qualitative observations of area wide traffic operations, the Zoo's qualitative observations of their current parking utilization and their projected desired supply, crash data (provided by the City Department of Public Works), bus ridership (provided by the Port Authority of Allegheny County)

Deliverable: Presentation of transportation opportunities to be presented at the Team Workshop.

Task 3.2.2: Initial Development Options for a Recreation Field & Trails

The WRT Team will develop options for the recreation field and trails (including bike, pedestrian and transit connections that link the Highland Park and Morningside neighborhoods to the Zoo parking lot and proposed Allegheny River Overlook). This task

may include additional program elements (such as picnic areas, for example) based on the outcome of meetings and review of the program task noted above.

Signage and lighting will be examined at a broad conceptual level to align with and reinforce project goals. Signage will include ideas for the zoo and park entry/identity and interpretive concepts. Lighting will be conceived in a low impact framework commensurate with the park's and zoo's mission, taking into account Dark Sky provisions, energy savings and alternative energy solutions, as well as the design identity of both institutions.

Deliverable: Presentation of recreation options to be presented at the Team Workshop.

Task 3.2.3: Initial Development Options for an Allegheny River Overlook

The WRT Team will develop options for an Allegheny River Overlook, including design image, vista clearing, trail access, and relation to stormwater conveyance. Vista points along proposed trail systems within the park and adjacent to neighborhood connections will be identified with options developed for each as part of a system of overlooks.

Deliverable: Presentation of overlook options to be presented at the Team Workshop.

Task 3.2.4: Initial Development Concepts for Stormwater Design

The WRT Team believes that green infrastructure is the framework of an interconnected green space network that is planned and managed for its natural resource values and for the associated benefits it confers to all living systems. These systems are often most vibrant and dynamic when they serve multiple functions including stormwater management.

Under this task, the WRT Team will first review relevant data collected and compiled by the Client to support development of stormwater and landscape management strategies for the Heth's Run valley. Supplementary data may also be acquired to support the effort, including: technical reports, stormwater drainage system mapping (AutoCAD, GIS and other), Internet-based resources, etc.

Existing mapped information will be used to create a field map(s) to guide field reconnaissance effort, as well as serve as the foundation for preliminary hydrologic analysis needed to support green infrastructure concepts and estimate potential stormwater runoff and pollutant reduction benefits.

With the existing field map(s) in hand, the WRT Team will perform a field reconnaissance for up to two days to clarify and supplement the data obtained and reviewed and to identify potential green infrastructure locations.

The WRT Team will then develop a menu of and sustainable stormwater management options that can be applied and integrated into a variety of park locations such as parking areas, landscaped areas, road rights-of-way, ball fields, common areas and natural areas. The WRT Team will work collaboratively to overlay various green infrastructure frameworks on Conceptual Plan scenarios to assess synergies and expose potential conflicts. In collaboration with the master planning team and project stakeholders, we will work to integrate green infrastructure concepts into the results of the final Conceptual Plan.

Development of the stormwater concept plan will require close collaboration with Landbase Systems, the Pittsburgh Parks Conservancy and D'Appolonia. As such, the WRT team will participate in up to five two-hour work sessions with Landbase Systems and D'Appolonia. It is assumed that these work sessions will take place while the WRT team is in Pittsburgh for other scope items or by teleconference.

The product of this task will be analytical working diagrams of green infrastructure overlays along with a visual glossary with basic descriptions of the infrastructure and its role with respect to stormwater management and other ecological benefits.

Deliverable: Presentation of stormwater management options to be presented at the Team Workshop.

Task 3.2.5: Initial Identity Options for Highland Park Frontage, Park Gateway & Park Entry Drive

The WRT Team will develop options for enhancing Highland Park frontage along Butler Street and a formal park entrance with a clear gateway to Highland Park and a "park entry drive" with access to both the Zoo and to the parking supply. The WRT Team will work closely with the Client on shaping an identity for Heth's Run that will be expressed at this gateway and park frontage. Development of signage and lighting concepts will factor into the vision for the site's identity.

Deliverable: Presentation of identity options for Heth's Run to be presented at the Team Workshop.

Task 3.2.6: Team Workshop

The WRT Team will meet in Pittsburgh one month after the kickoff meeting for a two day workshop to evaluate and analyze the site information gathered in the previous tasks. The focus of the workshop will be to take this site information and begin to collaborate on site circulation systems and identity. Vehicular, pedestrian, bicycle, and bus access elements will be evaluated along with stormwater management flows and natural area corridors and habitat patches. Attention will be paid to park access and neighborhood connections. A strong focus on the meeting will be to understand the concept of "Reclaiming Heth's Run."

On the second day of meetings, the WRT Team and Client will present the findings from the Workshop to several of the stakeholders including:

- The Pittsburgh Zoo and PPG Aquarium & the City of Pittsburgh Public Works Dept.
- Morningside and Highland Park Neighborhood Representatives & Elected Officials
- Jackson Clark Partners
- Matt Graham – Landbase Systems
- Port Authority of Allegheny County

Deliverables: Meeting minutes and copies of the Workshop Presentations will be distributed to the WRT Team and Client.

3.3: Concept Plan Feasibility

Task 3.3.1: Initial Financial Feasibility Assessment

In advance of the Heth's Run Leadership Design Session, the WRT Team will undertake a preliminary, financial feasibility assessment of the concept plan developed during the Team Workshop in Task 3.2.6. This feasibility assessment will evaluate the approximate financial feasibility, partnership options and financial strategies for a parking garage structure which would dramatically reduce the amount of requested surface parking. The Design Team's analysis will consider the following:

- **Construction Cost:** The WRT Team will rely on cost per space estimates provided by the Pittsburgh Port Authority during the stakeholder meeting listed in Task 3.2.6. Additional order of magnitude construction costs will be added for direct access to the parking structure via One Wild Place.
- **Annual Debt Service:** The WRT Team will project the total annual debt service and debt service per space assuming costs can be funded using standard City-issued revenue bonds.
- **Parking Revenues:** The WRT Team will project reasonable revenues per space based on pricing at comparable garages in the Pittsburgh area and any available information regarding current or projected parking demand from the Zoo and/or other local decks. Note: Implementing a fee to park at the site is a new concept and will require ongoing consensus building among stakeholders.
- **Operating Costs:** The WRT Team will estimate the share of parking revenues that will be spent on typical ongoing parking garage operating costs such as labor, maintenance, utilities, etc. and deduct this amount from revenues available to support debt service.

The WRT Team will present our initial findings regarding the ability of revenues from parking to support project debt service in the form of a brief PowerPoint presentation to be given before the Client has the Leadership Design Session. The presentation will conclude by discussing precedents for pro forma gap filling to the extent required and the potential need for a refined feasibility assessment under Task 3.4.3 Financial Implementation.

Deliverables: Power Point Presentation of the Initial Financial Feasibility Assessment

Task 3.3.2: Order of Magnitude Cost Comparison

The WRT Team will prepare an order of magnitude cost comparison between the previous Mackin plan and the concept plan that is developed during the Team Workshop in Task 3.2.6. The intent of the comparison is to look at the costs of both concepts in their totality (e.g., economic, societal and environmental impacts) so that the project can be weighed by its merits to the City, The Zoo and the Neighborhoods, not its bottom line costs. The WRT Team will present our order of magnitude cost comparison as part of a brief PowerPoint presentation to be given before the Client has the Leadership Design Session.

Deliverables: Order of Magnitude Cost Comparison

Task 3.3.3: Heth's Run Leadership Design Session

The Client will host a leadership design session for Heth's Run intended to identify key opportunities for the leadership group (the Client, the Zoo and Elected City Officials) to work together to revitalize and restore Heth's Run. This session will be facilitated by Jackson Clark Partners who has compiled the results and other first-phase project research to prepare for this design workshop. The session will review the outcomes of the initial work, pose and answer a series of questions, and generate and rank shared ideas, goals, and priorities.

In addition to the deliverables listed above in Tasks 3.2.1 and 3.3.2 for the Initial Financial Feasibility Assessment and Order of Magnitude Cost Comparison, the WRT Team will prepare for the Client prior to the Leadership Session, a Power Point narrative describing the opportunities and constraints associated with the Mackin Plan and the concept plan that is developed during the Team Workshop in Task 3.2.6. Members of the WRT Team will attend the Leadership Design Session.

Deliverables: Concept Plan Opportunities and Constraints narrative

3.4: Development of Concept Plan

Task 3.4.1 Concept Development Pre-Team Charrette

Following the Heth's Run Leadership Design Session, the WRT Team will continue to develop the concept plan and plan variables in preparation for the Team Design Charrette. The development of the concept plan will build on the findings from the initial concept options developed and Phase 3.2 and assessed for feasibility in Phase 3.3.

Deliverables: Presentation and sketches of concept options to be presented at the Team Design Workshop.

Task 3.4.2: Team Design Charrette

The WRT Team will meet in Pittsburgh after the leadership design session for a two day design charrette to review the findings of the work produced in Phase 3.3 and to begin to collaborate on the development of the site plan. Concepts that will be developed in Task 3.4.1 will serve as the basis for discussion during the charrette. The goal of this design charrette is to produce a site plan that can be reviewed with the stakeholders on the following day and will then be developed and refined by the WRT Team in Task 3.4.3 in preparation for the Public Meeting in Task 3.4.5.

On the second day of meetings, the WRT Team and Client will present the findings from the Charrette to several of the stakeholders including:

- The Pittsburgh Zoo and PPG Aquarium & the City of Pittsburgh Public Works Dept.
- Morningside and Highland Park Neighborhood Representatives & Elected Officials
- Jackson Clark Partners
- Matt Graham – Landbase Systems

Deliverables: Meeting minutes and copies of the Workshop Presentations will be distributed to the Design Team and Client.

Task 3.4.3 Complete Concept Development

Following the Team Design Charrette, the WRT Team will continue to develop the concept plan and plan variables in preparation for the Client / Stakeholder Meeting and Public Meeting.

Deliverables: A developed Concept Plan that will be presented as part of the Client / Steering Committee meeting in Task 3.4.5.

Task 3.4.4 Financial Implementation

The WRT Team anticipates that the Initial Financial Feasibility Assessment in Task 3.3.1

will indicate a financing gap, but one that could plausibly be filled by tapping a number of sources. This financial implementation task will likely include the following tasks, to be confirmed and refined following Phase 3.3:

- A refinement of our initial feasibility assessment, and
- The articulation of a strategy to facilitate a division of financial and management responsibilities among the City, the Pittsburgh Zoo and a development partner.

Deliverables: Presentation of the Refined Financial Feasibility Assessment including strategies for financial management responsibilities among the project leadership.

Task 3.4.5: Client/Steering Committee Review of Draft Concept Plan & Plan Variables

The WRT Team will meet with the Client and the steering committee to review the concept plan developed in the following tasks. The intent of the meeting is to gain Client and Steering Committee feedback and direction prior to the subsequent Public Meeting.

Deliverables: Meeting minutes will be distributed to all in attendance.

Task 3.4.6: Public Meeting – Review of Draft Concept Plan & Plan Variables

The WRT Team will conduct a public meeting to present the draft concept plan & plan variables. A Power Point presentation will be given at the beginning of the meeting to inform the public about the project, explain the issues this plan will address and to validate or support what the community has expressed in previous community planning efforts for Heth's Run led by Jackson Clark Partners. After the presentation, the group will break into individual subgroups to evaluate the concept plan, review the plan variables and record their comments. The group will then reassemble to present and discuss its findings. The feedback gathered will provide direction for the development of the concept plan.

Prior to the Public Meeting, the WRT Team will review the logistics of the public meeting with the Client and Jackson Clark Partners. A meeting agenda will be created by the WRT Team for use at the meeting to maintain the focus and purpose of the meeting and to ensure coverage of all issues. The logistics for each public meeting will be the primary responsibility of the Client with the details finalized in coordination with the WRT Team (advertisement and rental fees, if necessary, for meeting venues are not included in the WRT Team project budget). The meetings will be publicized on the web and a variety of media, including press releases for local newspapers, and other media deemed appropriate. Advertising, promoting and logistics for the public meetings will be the responsibility of the Client.

After the public meeting, the WRT team will compile the recorded comments into a memo. The sign-in sheets, photographs and Power Point presentation will be provided to the Client.

Deliverable: Meeting agenda, public meeting sign-in sheets, memo, photographs and the PowerPoint presentation delivered at the public meeting.

Task 3.4.7: Prepare Illustrative Renderings and Concept Design Plans

The WRT Team will produce an illustrative site plan, five cross sections, one aerial and three eye-level rendered perspectives of the final concept plan recommendations. These illustrations will explain the character, spatial relationships between the park program, forms and elements. These documents will be developed to support the Client's public review process and the marketing and fundraising efforts.

Deliverable: Drawings and narrative describing the site plan recommendations and four (4) rendered perspectives.

Task 3.4.8: Project Development Prioritization and Phasing

The WRT Team will prioritize short-, mid- and long-term actions for the concept plan's development, in terms of professional services, funding, construction and operations. The WRT Team will work with the Client to develop a draft permitting schedule, facility priorities and construction staging as the concept plan is developed.

Deliverable: Project development prioritization and phasing schedule and narrative.

Task 3.4.9: Revised Order of Magnitude Cost Estimate

Pending the direction of the concept plan from Phase 3.3 and concept plan developments in Phase 3.4, the WRT Team will update the previous order of magnitude cost estimate in Task 3.3.2.

Deliverable: Revised Order of magnitude cost estimate for the concept plan.

Task 3.4.10: Client / Steering Committee Review of Concept Plan

The WRT Team will meet with the Client and the Steering Committee to review the preferred concept.

Deliverables: Meeting minutes will be distributed to all in attendance.

Task 3.4.11: Identify Needs for Additional / Supplemental Information for Subsequent Phases

The WRT Team will assist in identifying needs for additional/supplemental professional expertise, studies, mapping, and data collection required for subsequent project phases. It is assumed that the next stage of work (schematic design) will require full architectural and engineering services for the bathroom building and for the parking garage, if proven feasible for initial implementation. Required additional expertise may include but not be limited to architecture; structural, mechanical, electrical and plumbing engineering, geotechnical engineering, traffic engineering, and parking garage design.

Deliverable: Narrative of additional/supplemental studies, mapping, and data collection required for subsequent project Phases.

Attachment 3

Wallace, Roberts, and Todd (WRT) Schedule

**Reclaiming Heth's Run
WRT Team Project Schedule
23-Dec-15**

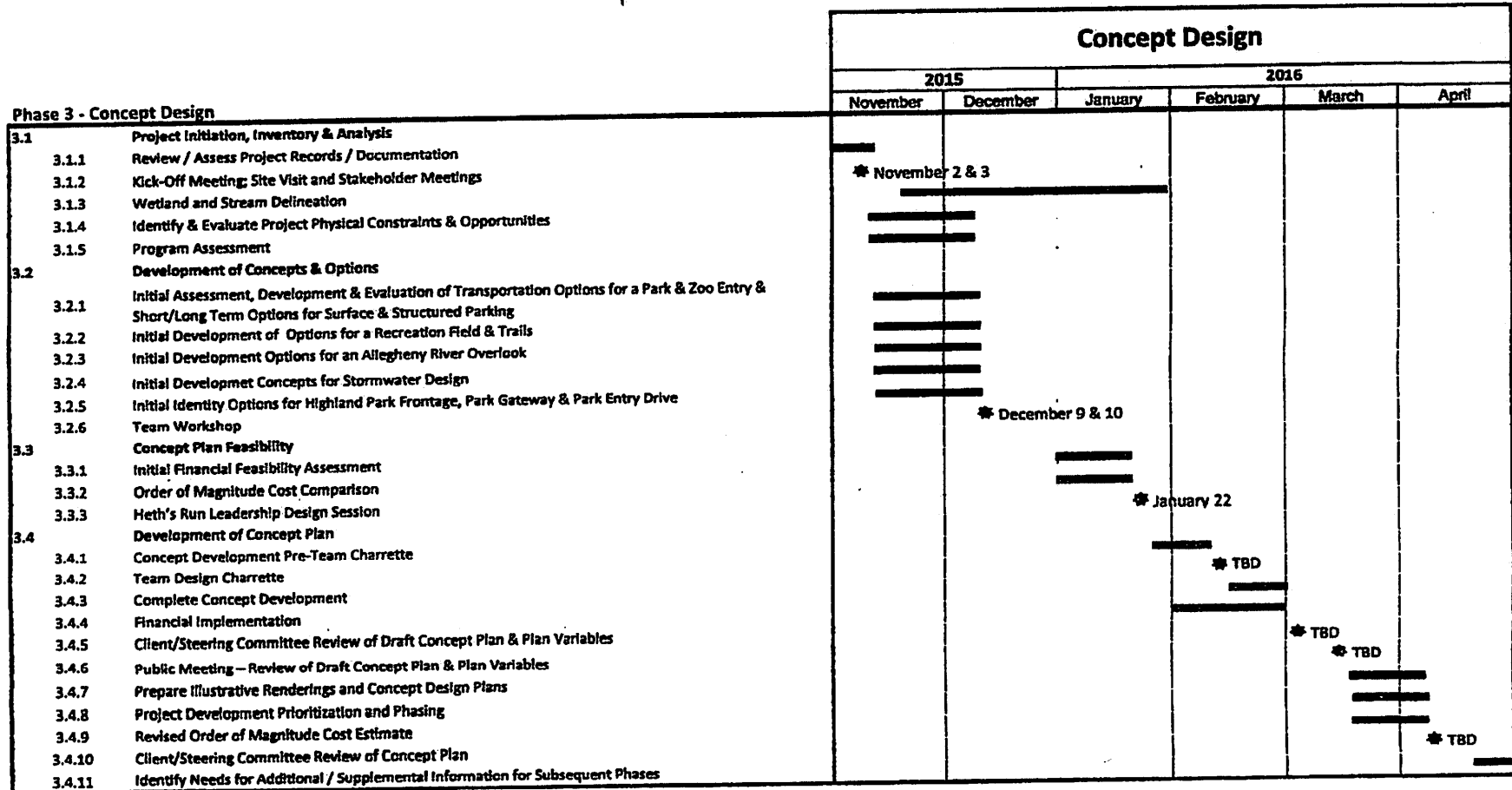


Table 1

Task Outline and Budget Table

TABLE 1
Task Outline and Budget Table
Phase 3 - Concept Design

		D'Appolonia	WRT	Biohabitats	Nelson Nygaard	Kolano Design	HR&A Associates	Totals
		Subtotal Fee per Task	Subtotal Fee per Task	Subtotal Fee per Task	Subtotal Fee per Task	Subtotal Fee per Task	Subtotal Fee per Task	Subtotal Fee per Task
Phase 3 - Concept Design								
3.1	Project Initiation, Inventory & Analysis							
3.1.1	Review / Assess Project Records / Documentation	\$1,649.20	\$4,159.60	\$3,641.00	\$2,283.00	\$1,760.00	\$0.00	\$13,493.80
3.1.2	Kick-Off Meeting; Site Visit and Stakeholder Meetings	\$2,995.20	\$5,491.20	\$4,282.50	\$9,896.00	\$1,320.00	\$0.00	\$17,764.90
3.1.3	Wetland and Stream Delineation	\$117.00	\$580.80	\$7,849.00	\$0.00	\$0.00	\$0.00	\$8,546.80
3.1.4	Identify & Evaluate Project Physical Constraints & Opportunities	\$2,065.20	\$5,491.20	\$0.00	\$0.00	\$0.00	\$0.00	\$7,576.40
3.1.5	Program Assessment	\$982.60	\$2,448.60	\$0.00	\$0.00	\$64.50	\$0.00	\$4,065.90
	Expenses (travel, printing, etc...)	\$0.00	\$4,281.40	\$2,200.00	\$1,100.00	\$0.00	\$0.00	\$7,581.40
3.2	Development of Concepts & Options							
	Initial Assessment, Development & Evaluation of Transportation Options for a Park & Zoo Entry & Short/Long Term Options for Surface & Structured Parking	\$0.00	\$5,491.20	\$0.00	\$3,300.00	\$0.00	\$0.00	\$8,791.20
3.2.1	Initial Development Options for a Soccer Field & Trails	\$0.00	\$5,491.20	\$0.00	\$0.00	\$0.00	\$0.00	\$5,491.20
3.2.2	Initial Development of Options for an Allegheny River Overlook	\$0.00	\$2,459.60	\$0.00	\$0.00	\$0.00	\$0.00	\$2,459.60
3.2.3	Initial Development of Concepts for Stormwater Design	\$4,048.20	\$2,459.60	\$10,188.20	\$0.00	\$0.00	\$0.00	\$16,696.00
3.2.4	Initial Development of Options for Highland Park Frontage, Park Gateway & Park Entry Drive	\$0.00	\$1,054.70	\$0.00	\$0.00	\$1,100.00	\$0.00	\$4,154.70
3.2.5	Team Workshop	\$5,990.40	\$10,982.40	\$7,939.00	\$8,174.00	\$1,738.00	\$0.00	\$35,837.80
	Expenses (travel, printing, etc...)	\$0.00	\$2,481.60	\$3,067.80	\$2,145.00	\$0.00	\$0.00	\$7,694.40
3.3	Concept Plan Feasibility							
3.3.1	Initial Financial Feasibility Assessment	\$1,981.20	\$5,500.00	\$0.00	\$2,200.00	\$0.00	\$19,250.00	\$28,931.20
3.3.2	Order of Magnitude Cost Comparison	\$10,542.80	\$4,400.00	\$1,864.00	\$0.00	\$0.00	\$0.00	\$16,806.80
3.3.3	Heth's Run Leadership Design Session	\$2,976.00	\$9,020.00	\$682.00	\$0.00	\$0.00	\$0.00	\$11,678.00
	Expenses (travel, printing, etc...)	\$0.00	\$2,750.00	\$0.00	\$0.00	\$0.00	\$1,450.00	\$4,400.00
3.4	Development of Concept Plan							
3.4.1	Concept Development Pre-Team Charrette	\$6,000.40	\$10,358.70	\$8,250.00	\$4,816.00	\$1,288.00	\$0.00	\$30,771.10
3.4.2	Team Design Charrette	\$5,990.40	\$7,851.80	\$4,276.80	\$19,153.00	\$1,738.00	\$0.00	\$30,010.00
3.4.3	Complete Development of Concepts Options and Plan Variables	TBD	TBD	TBD	TBD	TBD	TBD	TBD
3.4.4	Financial Implementation	TBD	TBD	TBD	TBD	TBD	TBD	TBD
3.4.5	Client/Steering Committee Review of Draft Concept Plan & Plan Variables	TBD	TBD	TBD	TBD	TBD	TBD	TBD
3.4.6	Public Meeting #1 - Review of Draft Concept Plan & Plan Variables	TBD	TBD	TBD	TBD	TBD	TBD	TBD
3.4.7	Prepare Illustrative Renderings and Concept Design Plans	TBD	TBD	TBD	TBD	TBD	TBD	TBD
3.4.8	Project Development Prioritization and Phasing	TBD	TBD	TBD	TBD	TBD	TBD	TBD
3.4.9	Develop Order of Magnitude Cost Estimate	TBD	TBD	TBD	TBD	TBD	TBD	TBD
3.4.10	Client/Steering Committee Review of Concept Plan	TBD	TBD	TBD	TBD	TBD	TBD	TBD
3.4.11	Identify Needs for Additional / Supplemental Information for Subsequent Phases	TBD	TBD	TBD	TBD	TBD	TBD	TBD
	Subtotal Professional Services	\$44,332.80	\$94,769.60	\$33,728.60	\$42,867.00	\$9,608.50	\$20,900.00	\$266,206.30
	Expenses (travel, printing, etc...)	\$0.00	\$3,500.00	\$2,440.00	\$2,200.00	\$0.00	\$0.00	\$8,140.00
	Phase 3 Subtotal	\$44,332.80	\$98,269.60	\$36,168.60	\$45,067.00	\$9,608.50	\$20,900.00	\$274,346.30

Notes:

- Fees listed for D'Appolonia's subcontractors include a 10% mark-up.
- Costs and Schedule for Tasks 3.4.3 through 3.4.11 will be determined at a later time (TBD) as funding is allocated for the project.

Table 2

Proposed Scope of Services and Budget Estimate

TABLE 2
Proposed Scope of Services and Budget Estimate
Heth's Run Ecological and Recreational Restoration Project
Phase 3 - Concept Design
Pittsburgh, Pennsylvania

On-Call Professional Geotechnical Services
Work Order No. 3
Controllers Contract No. 50918
BTE Contract No. 14250
BTE Project Number 158-9360

Phase	D'Appolonia Fees	Subconsultant Fees and Estimated Direct Expenses	D'Appolonia Estimated Direct Expense	Total
Phase 1 - Preliminary Project Development	\$ 53,941.35	\$ -	\$ 62.00	\$ 54,003.35
Phase 2 - Topographic Survey	\$ 19,656.00	\$ 17,600.00	\$ -	\$ 37,256.00
Phase 3 - Concept Design	\$ 44,352.80	\$ 229,993.50	\$ -	\$ 274,346.30
Phase 4 - Schematic Design/Design Development	TBD	TBD	TBD	TBD
Phase 5 - Construction Documentation	TBD	TBD	TBD	TBD
Phase 6 - Construction Period Services	TBD	TBD	TBD	TBD
Phase 7 - Post Construction Services	TBD	TBD	TBD	TBD
Total	\$ 117,950.15	\$ 247,593.50	\$ 62.00	\$365,605.65

2016
**LETTER OF AUTHORIZATION
 RESOLUTION 718-14
 LETTER PREPARED FOR SIGNATURE(S)**

PLEASE SIGN THE WORK ORDER NO. 3 RETURN TO:

JOANNE HADUCH – 412-255-2731 joanne.haduch@pittsburghpa.gov

January 5, 2016

**Mr. Edward P. Voytko, P.E.
 Senior Principal Engineer
 D'Appolonia
 275 Center Road
 Monroeville, PA 15146-1451**

**RE: Heth's Run Ecological and Recreational
 Restoration Project -- Phase 3
 On-Call Geotechnical Services
 Letter of Authorization/Work Order No. 3
 Controllers Contract No. 50918
 BTE Contract No. 14250
 BTE Project No. 158-9360
 Letter of Authorization Res. No. 718-14**

FOR SIGNATURE	DATE DELIVERED	DATE RETURNED
PATRICK HASSETT - DPW	1-5-16	1-5-16
SAM ASHBAUGH - FINANCE	1-6-16	1-8-16
MICHAEL LAMB - CONTROLLER	1-8-16 1-19-16	1-21-16