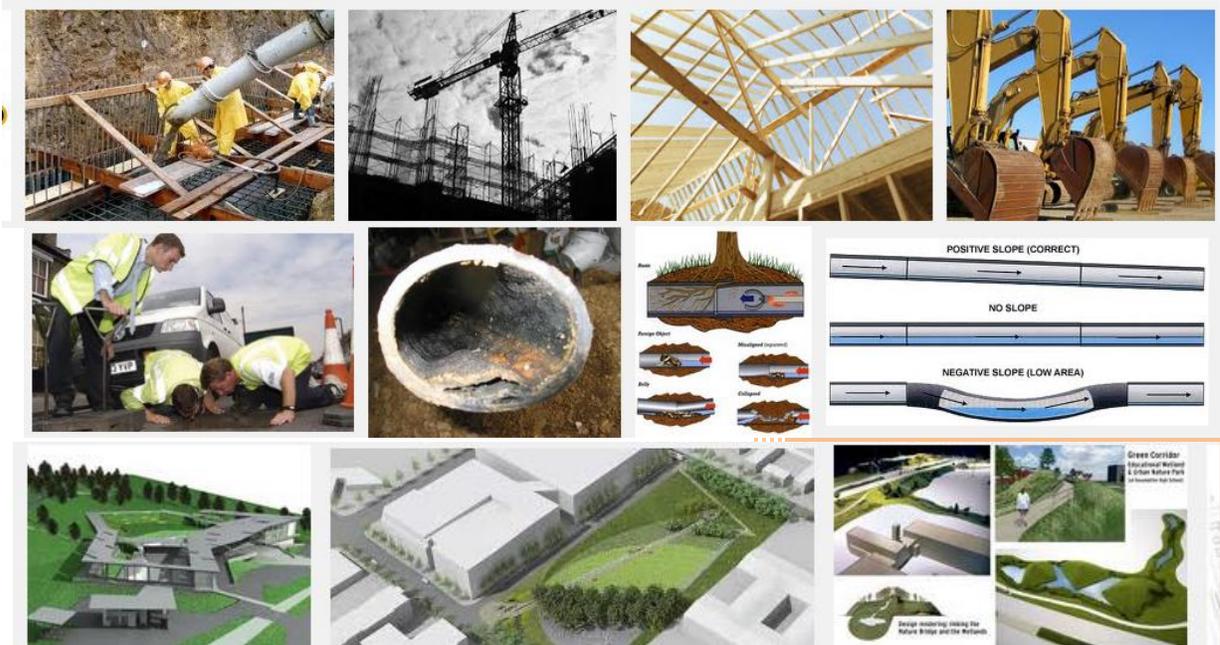


# BRENTWOOD BOROUGH ENGINEERING REPORT



Prepared By: Vitali Alexandrov

Period: Month March, 2016

## 2016 CIP Financial Statement (YTD)

BUDGET	01-GENERAL FUND PROJECTS ENGINEERING	BUDGETED	AWARDED	YTD	(%) COMPLETE	REMAINING
01 408-313	ENGINEERING SERVICES - GENERAL					
01 408-313		\$ -	\$ -	\$ -		
01 408-313	MS4	\$ 15,000.00	\$ 15,000.00	\$ 8,944.75		\$ 6,055.25
01 408-313	Miscellaneous Grants	\$ -	\$ -	\$ -	60%	
01 408-313	Miscellaneous Engineering	\$ 10,000.00	\$ 10,000.00	\$ 2,630.60		\$ 7,369.40
01-414-313	Miscellaneous Engineering Reimbursable	\$ 11,000.00	\$ 11,000.00	\$ 334.25	26%	\$ 10,665.75
		<b>\$ 36,000.00</b>	<b>\$ 36,000.00</b>	<b>\$ 11,909.60</b>		<b>\$ 24,090.40</b>

BUDGET	18- CAPITAL IMPROVEMENT PROJECTS CONSTRUCTION/ ENGINEERING	BUDGETED	APPROVED	WORK AUTH/AWARDED CONTRACT	YTD	(%) COMPLETE	REMAINING
18-409-313	ENGINEERING SVCS for New Borough Building	\$ 10,000.00	\$ 10,000.00	\$ 10,000.00	\$ -	0%	\$ 10,000.00
18-439-313	ENGINEERING SVCS	\$ 10,000.00	\$ 10,000.00	\$ -	\$ -	0%	
18-439-618		\$ -	\$ -	\$ -	\$ -		
18-414-313	ENGINEERING-SVC 2014 RT. 51 OVERLAY DISTRICT	\$ -	\$ -	\$ -	\$ -		
18-433-700	ARLE Traffic Signals	\$ 162,000.00	\$ 162,000.00	\$ 162,000.00	\$ 3,302.62	2%	\$ 158,697.38
18-446-313	Gateway Engineer's Support Storm/TMDL	\$ 10,000.00	\$ 10,000.00	\$ 5,000.00	\$ 2,304.00	23%	\$ 2,696.00
18-439-619	2016 ROADWAY PAVING Engineering Design	\$ 25,000.00	\$ 25,000.00	\$ 25,000.00	\$ 16,711.32	67%	\$ 8,288.68
18-439-619	PAVING PROGRAM	\$ 700,000.00	\$ 700,000.00	\$ -	\$ 12,128.13	2%	
18-407-455	GIS	\$ 10,000.00	\$ 10,000.00	\$ 10,000.00	\$ -		\$ 10,000.00
18-439-610	Sidewalk	\$ 50,000.00	\$ 50,000.00	\$ 50,000.00	\$ -	0%	\$ 50,000.00
18 446-610		\$ -	\$ -	\$ -	\$ -	0%	
		<b>\$ 977,000.00</b>	<b>\$ 977,000.00</b>	<b>\$ 279,500.00</b>	<b>\$ 34,446.07</b>		<b>\$ 197,182.06</b>

BUDGET	08-SEWER FUND PROJECTS ENGINEERING	BUDGETED	AWARDED	YTD	(%) COMPLETE	REMAINING
08 429-313	ENGINEERING SERVICES					
08 429-313	Feasibility Study	\$ 5,000.00	\$ 5,000.00	\$ 13,355.22	267%	\$ (8,355.22)
08 429-313	Operations and Maintenance Plan (Work Auth.)	\$ 105,000.00	\$ 105,000.00	\$ 39,555.65	38%	\$ 65,444.35
08 429-313		\$ -	\$ -	\$ -		
08 429-313	Miscellaneous	\$ 5,000.00	\$ 5,000.00	\$ -	0%	\$ 5,000.00
08 429-313	Intern	\$ 7,000.00	\$ 7,000.00	\$ -	0%	\$ 7,000.00
08 429-610	Engineering Capital Construction, Viking, Bretnwood	\$ 30,000.00	\$ 17,000.00	\$ 448.48	1%	\$ 16,551.52
08 429-313	Flow Isolation Study	\$ 33,000.00	\$ -	\$ -	0%	
		<b>\$ 185,000.00</b>	<b>\$ 139,000.00</b>	<b>\$ 53,359.35</b>		<b>\$ 85,640.65</b>

BUDGET	08-SEWER FUND PROJECTS CONSTRUCTION	BUDGETED	AWARDED	YTD	(%) COMPLETE	REMAINING
08 429-372	O & M PLAN	\$ -	\$ -	\$ -	0%	
08 429-372	CCTV	\$ 35,000.00	\$ 71,850.00	\$ -	0%	\$ 71,850.00
08 429-372	Point Repair/Manhole Repair Dig	\$ 110,000.00	\$ 693,290.00	\$ -	0%	\$ (583,290.00)
08 429-372	Lining	\$ 250,000.00	\$ 148,550.00	\$ -	0%	\$ 101,450.00
08 429-372	Special Repairs	\$ 25,000.00	\$ -	\$ -		\$ 25,000.00
08 429-610	Capital Construction, Viking, Bretnwood	\$ 200,000.00	\$ 200,000.00	\$ 1,663.75	1%	\$ -
08 429-372	Preventative Maintenance	\$ 40,000.00	\$ -	\$ -		\$ 40,000.00
08-429-372	Emergency Repairs	\$ 20,000.00	\$ -	\$ -		\$ 20,000.00
08-429-372	Miscellaneous	\$ 10,000.00	\$ -	\$ -		\$ 10,000.00
00		\$ -	\$ -	\$ -		
		<b>\$ 690,000.00</b>	<b>\$ 1,113,690.00</b>	<b>\$ 1,663.75</b>		<b>\$ (314,990.00)</b>

**Monday- May 2, 2016**

I have been working on items listed below:

1. Responded to multiple emails.
2. Field trip to 411 Fairway Dr. met PAW to discuss fire hydrant installation location.
3. Scheduled an interviews.
4. Attended at DPW monthly meeting, discussed budget and DPW upcoming tasks.

**Tuesday – May 3, 2016**

I have been working on items listed below:

1. Responded to multiple emails.
2. Conducted interview for summer intern position (see resume below)

# Nicholas J. Bruni

54 Aiken Road Ext, Mclees Rocks Pa, 15136 | 412-508-6566 | njb47@pitt.edu

## Education

**UNIVERSITY OF PITTSBURGH | PITTSBURGH, PA**  
**BACHELOR OF SCIENCE IN CIVIL ENGINEERING**

**Expected Graduation: April 2018**

- **Cumulative GPA:** 3.36
- **Related coursework:** Materials of Construction; Statistics and Mechanics for Civil Engineers; Engineering Computing; Engineering Analysis; Probability and Statistics for Engineers; Chemistry I and II; Physics I and II; Calculus I, II, and III; Differential Equations
- Honor Roll

**Fall 2014 - Spring 2016**

## Educational Experience

**MATERIALS OF CONSTRUCTION | CONCRETE AND STEEL ANALYSIS**

**Spring 2016**

- Analyzed the structure and composition of concrete including proper proportions of fine aggregate, coarse aggregate, water, and Portland cement
- Designed concrete mixtures to withstand specific compressive loads
- Tested samples of concrete to determine air content, workability, and strength
- Organized data from a variety of tests and applied decision making/ prioritization skills to meet deadlines

**ENGINEERING COMPUTING AND ANALYSIS | PROGRAMMING**

**Fall 2015**

- Applied programming skills in different programming languages including C++, MATLAB, and JavaScript
- Designed and developed codes in various programs to complete different tasks
- Applied organizational and teamwork skills to successfully complete projects

## Work Experience

**DAN SHUTIKA REMODELING | LABORER | PITTSBURGH, PA**

**October 2015 - Present**

- Duties included removing and replacing roofing materials, repairing any damage, and installing new roof
- Other duties included fabricating interior walls and dry wall installation/finishing
- Enhanced understanding of home repair, remodeling, and design

**MONGIOVI & SON PLUMBING/EXCAVATING | LABORER | PITTSBURGH, PA**

**April 2015 - September 2015**

- Typical work weeks consisted of 40-60 hours
- Duties included preparing, fabricating, and installing water lines and drains; other duties included operating heavy equipment and machinery (i.e. Volvo Off-Highway Trucks/Backhoes/Skidsteers/Dump Trucks)
- Accomplishments included enhanced equipment operating skills as well as increased knowledge of the construction processes (i.e. cement finishing, grading, drainage, etc.)

**ROBINSON TOWNSHIP PUBLIC WORKS | ROAD CREW | PITTSBURGH, PA**

**2013 - 2014**

- Approximately 40 hours a week during the summer months
- Maintained the roads and parks of Robinson Township; duties including landscaping and up-keep of township property
- Employees were required to work as a team to complete a variety of tasks
- Accomplishments included enhanced equipment operating skills and further knowledge of the basic construction skills

## Skills & Abilities

- Skilled with C Programming, MATLAB, Excel, PowerPoint, and Word
- Experienced with heavy equipment/machinery
- Knowledgeable of many different phases of construction
- Able to evaluate a variety of problems and find solutions

3. Responded to phone calls: 412-255-2783, 412-287-7488 paving inspection at Vanwyck Ave.
4. Field trip to 3104 Brentwood Ave. regarding water in the basement. Scheduled DPW crew to saw cut opening in storm inlets upstream of the property. DPW and engineering department will investigate this further under have storm events.
5. Went to Jefferson Hill Lawn Equipment to pick up four (4) lawnmowers for DPW and Park.
6. Contacted with ACHD regarding sewer lateral on the Conson Ave. During stream walk by DPW was discovered that sewer laterals from the properties 229 and 247 are disconnected. I prepared ACHD report and emailed to Bill Hamilton.

### **Wednesday – May 4, 2016**

Replied to multiple emails.

1. Responded to multiple emails.
2. Processed street excavation permit and updated department revenue.
3. Processed monthly invoices form gateway engineers and updated 2016 CIP budget.
4. Attended at monthly meeting with gateway engineers to discuss 2015-2016 outstanding and open projects.

### **Thursday - May 5, 2016**

I have been working on items listed below:

1. Replied to multiple emails.
2. Prepared engineering weekly report.
3. Prepared an agenda for conference call with gateway engineers.
  1. 2016 Paving
    - a. Dauphin ave start date
    - b. 2016 Contracts A and B
  2. 2016 Sewer
4. Attended at interview for summer inter position. (see resume below)
5. Attended at monthly staff meeting.
6. Responded to phone calls: 203-610-2852
7. Processed PO to purchase crack seal materials (see quote below)
8. Field trip to 3303 Spengler Ave. The residence state that this property has storm sewer problem at the property sidewalk. Went out to investigate and take pictures. Updates will be provided in the next engineering report.

**AIR-VAC EQUIPMENT COMPANY**  
**Pavement Maintenance Supply**  
**airvacequipment.com**

Tuesday, April 05, 2016

Bob Mackewich  
Brentwood Borough  
4583 East Willock Road  
Pittsburgh, PA 15227

Sent by E-Mail

Re: Current Crafcro Material Pricing and Freight Rates

Hello Bob:

Polyflex II works well in both concrete and asphalt.

Plexi-Melt now comes in 2,100 pound standard skids consisting of 70 thirty pound packages.

Crafcro Polyflex II in Plexi-Melt Packaging						
Pallets	Weight	Price/Lb	Material	Freight	Total	(Cost/Pallet)
1	2,100	75 cents	1,575	105	1,680	1,680
2	4,200	75 cents	3,150	195	3,345	1,673
3	6,300	70 cents	4,410	225	4,635	1,545
<b>4</b>	<b>8,400</b>	<b>65 cents</b>	<b>5,460</b>	<b>300</b>	<b>5,760</b>	<b>1,440</b>
5	10,500	65 cents	6,825	350	7,175	1,435
6	12,600	65 cents	8,190	420	8,610	1,435
8 (4 twice)	16,800	65 cents	10,920	600	11,520	1,440
21 (truckload)	44,100	65 cents	28,665	775	29,440	1,402

Detack is \$49.95 per five gallon pail.

There is no additional freight charge for shipping a pail or two on top of a pallet. .

Your business is much appreciated.

Thank You,  
Greg Rennels



# Nick Durkin

nrdurkin@mix.wvu.edu • 412-760-6498 • 171 Iron Run Rd, Bethel Park, PA 15102

*close to 74 -  
279?  
7200?*

## Summary

Looking for an internship for the summer to apply my knowledge and learn new aspects of the Engineering Industry.

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## Experience

### Lazzaris Construction Company

Laborer

May 2014-Present

- Brickwork, stone retention walls, and block foundations
- Supervised equipment and scaffolding
- Overseen construction site with rules and regulations

### Giant Eagle

Cashier, Lot Attendant

June 2013-May 2014

- Provided service to customers and attended to their concerns
- Coordinated with team leaders to make the workplace more efficient
- Worked quickly to provide carts for customers

### Al's Cafe

Busser

June 2011-June 2013

- Adapted to work well with people around the workplace as well as being talkative with customers
- Reacted to management decisions and performed tasks quickly
- Trained new team members and showed how restaurant is managed

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## Activities and Skills

- Microsoft Office, Word, Excel, Powerpoint, Photoshop, Access, AutoCAD, MATLAB, Autodesk Inventor
- National Society of Collegiate Scholars Spring 2014

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## Education

### West Virginia University

Bachelor of Science in Petroleum Engineering GPA: 3.20/4.00

May 2017 Expected

- Dean's List Fall 2014, Spring 2014
- Men's Golf Club, Airsoft Club Fall 2014-Present
- American Association of Drilling Engineers Fall 2014-Present
- Society of Petroleum Engineers Fall 2015-Present
- FE Exam Scheduled May 2016

### **Friday- May 6, 2016**

I have been working on items listed below:

1. Responded to multiple emails.
2. Conducted weekly conference call with Gateway engineers to discuss updates on open 2016 projects.
3. Worked with DPW superintendent on upcoming week projects and scheduled accordantly.
4. Went to Verizon store to activate newly purchased Ipad.
5. Responded to phone calls: 412-882-08-24, 740-202-7041

### **Monday- May 9, 2016**

I have been working on items listed below:

5. Responded to multiple emails.
6. Received updates from ACHD inspector regarding 229 and 247 Conson Ave properties. ACHD scheduled to perform dye test on May 10, for the property located at 229 Conson, the landlord for the property of 247 received voicemail from ACHD, the dye test hasn't been schedule yet.
7. Responded to phone calls: 412-884-5705
8. Performed field trip to 328 Lawnwood Ave. per request submitted by Mr. Sewer Plumbing to investigate sewer related issues. After visiting the site and review excavation trench 2x2 performed by Mr. Sewer its been determine that no issues with municipal sanitary sewer.
9. Worked with DPW crew at the deck hockey by addressing chain link issues.

### **Tuesday – May 10, 2016**

I have been working on items listed below:

7. Responded to multiple emails.
8. Worked with DPW
9. Performed Field trip to 3303 Spengler Ave. The resident raised concern about storm water runoff washing away landscape and potential basement flooding. Took measurement and created materials list to purchase. Assigned DPW tasks and men to complete this work.(see picture below work completed)



10. Responded to phone calls: 412-508-6566, 412-571-0964, 412-882-1878, 800-877-06-00

11. Field trip to 3104 Brentwood Ave. regarding water in the basement. Scheduled DPW crew to saw cut opening in storm inlets upstream of the property. DPW and engineering department will investigate this further under have storm events.

### **Wednesday – May 11, 2016**

Replied to multiple emails.

5. Responded to multiple emails.
6. Prepared news letter article (see below)

#### ***REBUILDING BRENTWOOD FOR THE FUTURE!***

#### ***“Temporary Inconvenience – Permanent Improvement”***

Or, “Please excuse the mess while we make repairs to better serve you.” Whatever way you like, there is a lot of work currently taking place in the Borough with more to come. All of these are adding to the beauty and sustainability of the Borough for many years to come.

### **2016 - Paving Project – Brownsville Road and Hillson Avenue**

Borough officials are committed to getting back on track with the much needed repairs needed to the 31 miles of Borough streets. To demonstrate their seriousness of developing a long term sustainable approach to maintaining and repairing the Borough streets, Brentwood Council has approved \$850,000 in the 2015 Capital Improvement Fund dedicated to streets. Unfortunately this does not go along way and will cover the cost of only two (2) roadway projects.

- **This is 2015 Project.** Dauphin Avenue from Sceneridge Ave. to Vanwyck Ave. will involve total reconstruction and installation of new storm sewer.  
Estimated cost = **\$300,000.00.**  
Actual Awarded Cost: **\$234,978.00**  
Contractor: Morgan Excavating
- **Contract B** Multiple streets they are: Villawod Ave, Kingsley Ave. Shadyway Dr. Pointview Ave. will involve replacing and repaving of existing surface  
Estimated cost = **\$500,000.00.**  
Actual Awarded Cost: **\$453,861.70**  
Contractor: Morgan Excavating
- **Contract A** Multiple streets they are: Korb Way, Crossman Way. Owendale Ave. will involve milling and repaving as well as repairs to the stormwater system.  
Estimated cost = **\$200,000.00.**  
Actual Awarded Cost: **\$149,026.30**  
Contractor: El Grande Industries, Inc.

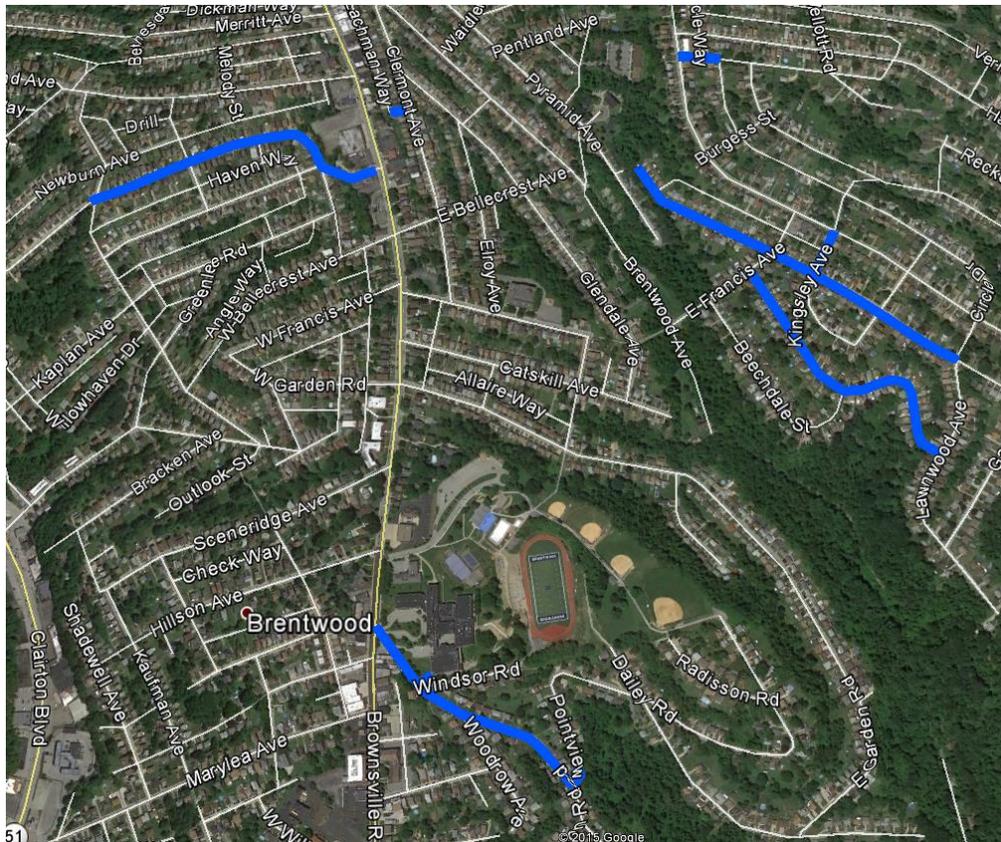
### **2016 - Paving plan project multiple streets**

Borough officials are committed to getting back on track with the much needed repairs needed to the 31 miles of Borough streets. To demonstrate their seriousness of developing a long term sustainable approach to maintaining and repairing the Borough streets, Brentwood Council has approved **5 year paving plan and \$850,000** for the each year in the 2016 Capital Improvement Fund dedicated to streets below:

Year 3  
2016 Road Resurfacing Program  
Brentwood Borough

Street Name	Start	End	Estimated			Work to be Completed	Surface Rating
			Construction Cost	Engineering Cost	Total Cost		
Shadyway	East Francis	Lawnwood	\$ 115,950.00	\$ 13,914.00	\$ 129,864.00	Pave Concrete	6
Villawood	Lawnwood	Leafdale	\$ 147,675.00	\$ 17,721.00	\$ 165,396.00	Pave Concrete	3
Kingsley	Willett	Villawood	\$ 24,650.00	\$ 2,958.00	\$ 27,608.00	Pave Concrete	3
Owendale	Brownsville Rd	Bremen Ave.	\$ 13,734.00	\$ 1,648.08	\$ 15,382.08	Pave Brick	Shared Rd
Korb	Willett	Circle Drive	\$ 15,437.50	\$ 1,852.50	\$ 17,290.00	Mill and Pave new Curbs	3
Pointview	Brownsville Rd	Oakton	\$ 55,829.00	\$ 7,257.77	\$ 63,086.77	Mill and Pave	4
School ADA Parking	Lachman Way	Clearmont	\$ 20,000.00	\$ -	\$ 20,000.00		New construction
Grossman Way			\$ -	\$ -	\$ 8,085.52	Mill Pave	6
Crack Sealing			\$ 10,000.00	\$ -	\$ 10,000.00		
Contingency			\$ 50,000.00	\$ -	\$ 50,000.00		
<b>Totals</b>			<b>\$ 453,275.50</b>	<b>\$ 45,351.35</b>	<b>\$ 499,021.33</b>		

*Brentwood Borough 5 year paving plan map.*



**2016 Brentwood Borough Sewer Rehab projects**

**Excavation point repair project**

This project involves approximately 6 sanitary sewer point repairs including, but not limited to: sanitary sewer wye and lateral repair, manhole installation, post repair CCTV, adjusting existing manholes.

This multiple three (3) year contract in amount of **\$698,270.00** was awarded to Roto-Rooter Services Company. Anticipating starting date is June 10, 2016

7. Attended at the meeting at Whitehall to discussed Rt51 flooding project (see below)



Date: May 4, 2016  
 Project: Rt 51 Lateral Options  
 Job No: C-9855-0005  
 Plan Date: May 2016  
 Prepared By: JAT  
 Checked By:

**Opinion of Probable Preliminary Costs of Construction w/ out New Manhole**

	Unit	Quantity	Unit Price	Cost	Total
<b>Option 1 - Backflow Preventers</b>					<b>\$5,025.00</b>
Backwater Valves (separate access)	EACH	2	\$2,500.00	\$5,000.00	
Bituminous Driveway Restoration	S.Y.	5	\$85.00	\$425.00	
Traffic Control, Prep and Cleanup	L.S.	1	\$500.00	\$500.00	
<b>Option 2 - Backflow Preventers</b>					<b>\$1,695.00</b>
2 Backflow Valves (access inside of Whitehall Manhole)	L.S.	1	\$1,695.00	\$1,695.00	
<b>Option 3 - Grinder Pump</b>					<b>\$14,220.00</b>
E1 Grinder Pump Installation	L.S.	1	\$10,000.00	\$10,000.00	
Bituminous Driveway Restoration	S.Y.	10	\$85.00	\$850.00	
Traffic Control, Prep and Cleanup	L.S.	1	\$1,000.00	\$1,000.00	
20% Contingency				\$2,370.00	
<b>Option 4 - Reroute Laterals</b>					<b>\$30,480.00</b>
6" SDR-35 Lateral Piping	L.F.	160	\$65.00	\$9,750.00	
Cleanout	EACH	4	\$550.00	\$2,200.00	
Wye Service Connection	EACH	1	\$2,500.00	\$2,500.00	
Bituminous Driveway Restoration	S.Y.	70	\$85.00	\$5,950.00	
Bypass Pumping	L.S.	1	\$3,000.00	\$3,000.00	
Traffic Control, Prep and Cleanup	L.S.	1	\$2,000.00	\$2,000.00	
20% Contingency				\$5,080.00	

**NOTES:**

- A. Estimates for Options 1 and 2 are from 2015 proposals to complete work from Niando Construction and Roto Rooter.
- B. All other estimates are merely opinions based on past experience and are not projections of current market conditions.
- C. The above unit prices represent a preliminary budgetary analysis and do not include the following:
  - 1. Engineering Fees
  - 2. Permit Fees
  - 3. Inspection Fees
  - 4. Legal Fees
  - 5. Land and/or right-of-way acquisition costs.
- D. Estimates are based on The Gateway Engineers, Inc. Concept Plans (May 2016).



The Gateway Engineers, Inc.  
 400 Holiday Drive  
 Pittsburgh, PA 15220  
 PH. (412) 921-4030  
 FAX (412) 921-9960

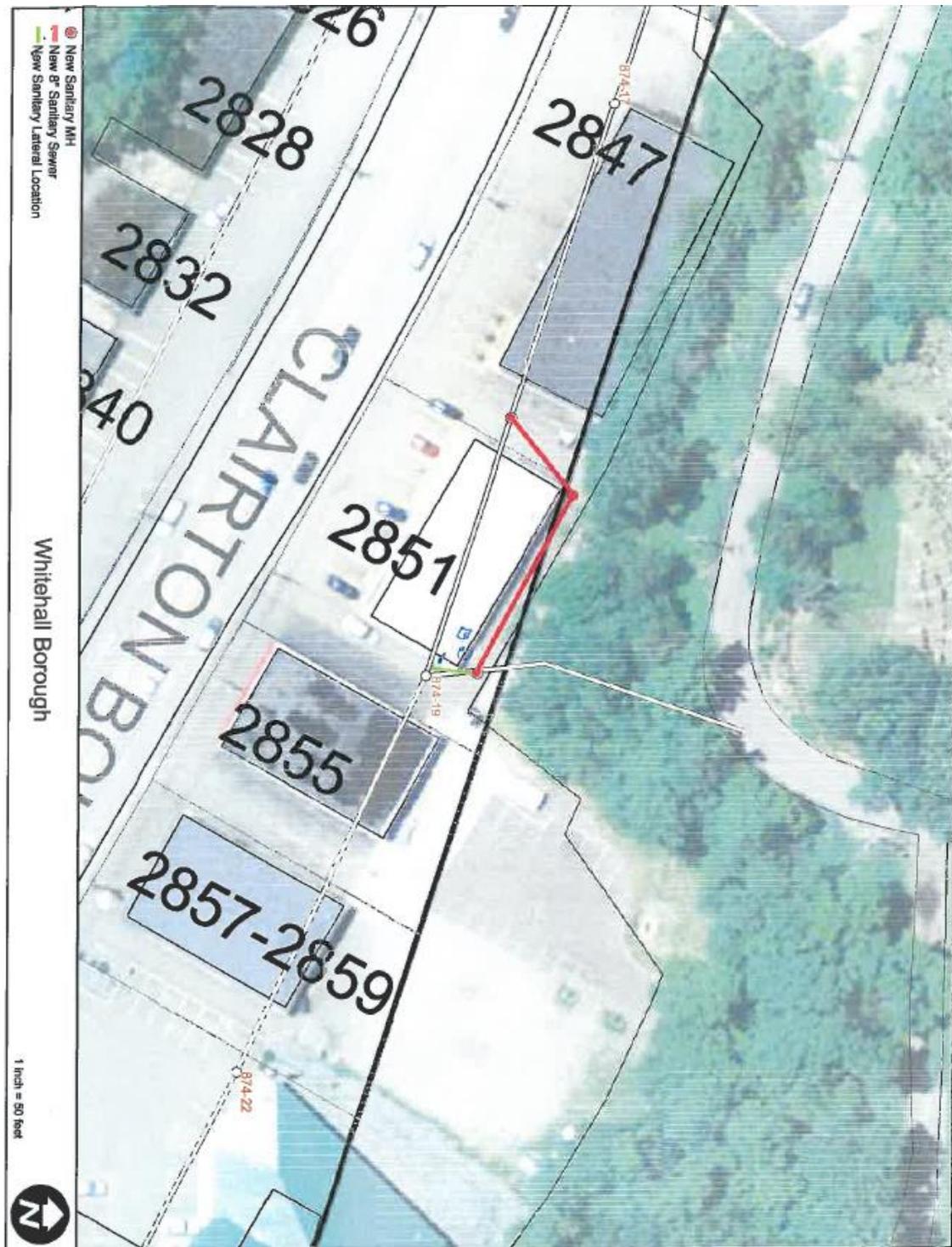
Date: May 4, 2016  
 Project: Rt 51 Lateral Options  
 Job No: C-9855-0005  
 Plan Date: May 2016  
 Prepared By: JAT  
 Checked By:

**Opinion of Probable Preliminary Costs of Construction with Installation of New Manhole and Reroute**

	Unit	Quantity	Unit Price	Cost	Total
<b>Option 1 - Backflow Preventers</b>					<b>\$55,400.00</b>
Backwater Valves (separate access)	EACH	2	\$2,500.00	\$5,000.00	
4" SCH 40 PVC Sanitary Lateral	L.F.	40	\$60.00	\$2,400.00	
8" SDR-35 PVC Sanitary Sewer	L.F.	140	\$125.00	\$17,500.00	
48" Precast Sanitary Manhole	EACH	3	\$4,500.00	\$13,500.00	
Bituminous Driveway Restoration	S.Y.	100	\$85.00	\$8,500.00	
Bypass Pumping	L.S.	1	\$5,000.00	\$5,000.00	
Traffic Control, Prep and Cleanup	L.S.	1	\$3,500.00	\$3,500.00	
20% Contingency					\$11,080.00
<b>Option 2 - Backflow Preventers</b>					<b>\$52,095.00</b>
2 Backflow Valves (access inside of Manhole)	L.S.	1	\$1,895.00	\$1,895.00	
4" SCH 40 PVC Sanitary Lateral	L.F.	40	\$60.00	\$2,400.00	
8" SDR-35 PVC Sanitary Sewer	L.F.	140	\$125.00	\$17,500.00	
48" Precast Sanitary Manhole	EACH	3	\$4,500.00	\$13,500.00	
Bituminous Driveway Restoration	S.Y.	100	\$85.00	\$8,500.00	
Bypass Pumping	L.S.	1	\$5,000.00	\$5,000.00	
Traffic Control, Prep and Cleanup	L.S.	1	\$3,500.00	\$3,500.00	
20% Contingency					\$10,419.00
<b>Option 3 - Grinder Pump</b>					<b>\$59,000.00</b>
E1 Grinder Pump Installation	L.S.	1	\$11,000.00	\$11,000.00	
8" SDR-35 PVC Sanitary Sewer	L.F.	140	\$125.00	\$17,500.00	
48" Precast Sanitary Manhole	EACH	3	\$4,500.00	\$13,500.00	
Bituminous Driveway Restoration	S.Y.	100	\$85.00	\$8,500.00	
Bypass Pumping	L.S.	1	\$5,000.00	\$5,000.00	
Traffic Control, Prep and Cleanup	L.S.	1	\$3,500.00	\$3,500.00	
20% Contingency					\$11,800.00
<b>Option 4 - Reroute Laterals</b>					<b>\$60,480.00</b>
4" SCH 40 PVC Sanitary Lateral	L.F.	40	\$60.00	\$2,400.00	
8" SDR-35 PVC Sanitary Sewer	L.F.	140	\$125.00	\$17,500.00	
48" Precast Sanitary Manhole	EACH	3	\$4,500.00	\$13,500.00	
Bituminous Driveway Restoration	S.Y.	100	\$85.00	\$8,500.00	
Bypass Pumping	L.S.	1	\$5,000.00	\$5,000.00	
Traffic Control, Prep and Cleanup	L.S.	1	\$3,500.00	\$3,500.00	
20% Contingency					\$10,080.00

**NOTES:**

- A. Estimates are merely opinions based on past experience and are not projections of current market conditions.
- B. The above unit prices represent a preliminary budgetary analysis and do not include the following:
  1. Engineering Fees
  2. Permit Fees
  3. Inspection Fees
  4. Legal Fees
  5. Land and/or right-of-way acquisition costs.
- C. Estimates are based on The Gateway Engineers, Inc. Concept Plans (May 2016).



8. Attended at monthly meeting EDS, PWSA, ALCOSAN to review and discuss demonstration project related to Saw Mill Run creek (see below agenda meeting)

	<b>ECONOMIC DEVELOPMENT SOUTH PWSA WORKSHOP AGENDA</b>			<b>Project ID:</b>	355298
				<b>Page:</b>	1 of 1
	Project Name: Saw Mill Run Integrated Watershed Management Plan Project				
<b>Meeting Date:</b>	05/11/2016	<b>Meeting Time:</b>	2:00 – 4:00 PM	<b>Location:</b>	Green Tree Municipal Building
Meeting Manager: Lisa Brown					
Scribe: Kevin Pugliesi			Timekeeper: Brandon Vatter		
<b>Objective:</b> Continue coordination with the municipalities and other stakeholders for selecting early demonstration projects to demonstrate the principles of IWM within the SMR watershed.					

<b>Duration</b>	<b>Item</b>	<b>Lead</b>
2:00-2:05	<b>Introductions</b> <ul style="list-style-type: none"> <li>• Introductions among attendees</li> <li>• Review of Agenda</li> </ul>	
2:05-2:15	<b>Updated Problem Areas and Project Opportunities Map Review</b>	
2:15-3:15	<b>Municipal Candidate Project Presentations</b> <ul style="list-style-type: none"> <li>• Castle Shannon</li> <li>• Brentwood</li> <li>• Baldwin Township</li> <li>• Mt. Oliver</li> <li>• Whitehall</li> <li>• Mt. Lebanon</li> <li>• City of Pittsburgh/EDS</li> </ul>	
3:15-3:30	<b>Review Demonstration Project Selection Criteria</b>	
3:30-3:50	<b>Review of Additional Data Needed to Prioritize Projects</b> <ul style="list-style-type: none"> <li>• Pollutant Reduction Calculations</li> </ul>	
3:50	<b>Recap of Next Steps</b>	

## **Thursday - May 12, 2016**

I have been working on items listed below:

9. Replied to multiple emails.
10. Prepared engineering weekly report.
11. Prepared engineering monthly report.
12. Prepared an agenda for conference call with gateway engineers.
13. Responded to phone calls:
14. Prepare an agenda for council regarding Duquesne Light project at the park.

## **Friday- May 13, 2016**

I have been working on items listed below:

6. Responded to multiple emails.
7. Conducted weekly conference call with Gateway engineers to discuss updates on open

### **General Punch List**

- In addition to items listed below, contractor shall adhere to any and all punch list items noted by Architect and/or Owner during separate punch list walkthroughs.
- In addition to items listed below, contractor shall adhere to any and all punch list items noted by independent inspection agencies during separate inspection walkthroughs.
- BDA reserves the right to add to and/or amend the preliminary punch list as required based on future site visits.

### **Mechanical Punch List**

- ~~Provide balancing report for exhaust fans.~~
- Verify location of exhaust fan starter is coordinated with owner.
- O&M manuals shall be provided to owner.

### **Plumbing Punch List**

- Remove pipe escutcheon for water closet installations that don't require one.
- Label piping.
- O&M manuals shall be provided to owner.

### **Electrical Punch List**

- Tele/Data in Concession/Kitchen Area has not been installed per drawings.

NOTE: As a matter of record, it should be understood that the above list is not necessarily all-inclusive or final. This punch list may be amended in the future for any deficiencies, operational or otherwise, which may develop or be identified during the warranty period following acceptance of the Contract work.

- 2016 projects.
8. Filed project related documents.
9. 2016 Paving: Sent an email to PAW regarding updates. I was notified that projects quantities are still under review and require additional time before decision can be made regarding reimbursement.
10. Responded to phone calls: 412-881-5567, 412-805-8107
11. Worked on outstanding punchlist items related to park Phase 3 project. (see below)

Civil / Site work Punch List

- ~~1. Handrail installation at main entrance needs to be completed.~~
- ~~2. Handrail installation along asphalt trails need to be completed.~~
- ~~3. Fix railing along the pool entrance.~~
4. The black railing posts need grouted to shed water from the base.
5. The soil on the hillside adjacent to the main entrance has slipped and needs addressed.
- ~~6. Retaining wall near the main entrance needs reset.~~
- ~~7. The remainder of the entrance sign must be installed.~~
- ~~8. Hillside needs mulched and weeded.~~
9. Sign banner rods need installed.
10. Leaning light post near the school rear entrance needs replaced or adjusted.
- ~~11. All light posts that are plain pipe should be removed and replaced with correct light posts.~~
- ~~12. Asphalt patch is required at the top of new stairs leading to the school rear entrance.~~
13. Concrete stairs near the school have cracking and needs addressed.
14. Various minor cracks in the concrete patio walk.
15. Various cracking and joints that require work around the concrete "B," at the plaza area.
16. Asphalt patch is required at water line near the upper steps.
- ~~17. The catch basin near the school needs cleaned out.~~
- ~~18. The gate near Ticket Booth #2 will not stay open and needs adjusted.~~
19. ADA railing inside the pool area was damaged.
20. All ES controls needs removed.
21. Finalize landscaping issues; complete landscaping & some plants/trees have died.  
*metal rods at main gate*

Grandstand Punch List

22. Screw down railing caps along the main railing above the field.
23. One plank needs replaced at the bleacher top (coating has come off).
- ~~24. Several bleacher planks & bolts are loose and needed tightened.~~
25. End cap of the bleacher is coming loose. *one m. missing*
26. Visible rust at grandstand connection with Press Box  
~~kick plates are missing~~

Buildings Punch List

27. Unused roof downspout at Locker Room needs blocked off.
- ~~28. Crack in block of front wall in Restrooms needs caulked or repaired. need paint~~
29. Lock function needs fixed at the Family Restroom.
30. Door sweep plate needs replaced at Family Restroom.
31. Four (4) hand dryers do not work in the Womens' and Mens' Restroom.
32. Various cracks in concrete of Womens Restroom.
- ~~33. Crack in concrete floor needs at repaired or caulked in each Restroom.~~

- 34. Cover for water feed needs installed along toilets in each Restroom.
- 35. Telephone data port needs installed in Concession Stand.
- 36. Caulk around rolling door at Concession Stand.
- ~~37. Service windows on Concession Stand do not open smoothly.~~
- ~~38. Various electrical panels are not labeled.~~
- ~~39. Trim needs installed around Ticket Booth 2 window.~~
- ~~40. A downspout on the Concession Stand needs connected.~~
- ~~41. A downspout on Ticket Booth 2 needs connected.~~
- 42. Minor areas of paint touch-up are required.
- 43. Minor areas of caulking fill-in are required.



**MOSHIER STUDIO**  
 ARCHITECTURE • INTERIORS • PLANNING • SUSTAINABLE DESIGN

27 November 2015

Brentwood Stadium  
 Architectural/ General Trades Punchlist Recheck completed 24 November 2015

- Indicates items open from 2014 punchlist
- **Indicates new items**

GENERAL:

- Submit operations and maintenance manuals
- R-38 insulation is required in attic areas- an additional layer of R-19 may be added.

EXTERIOR: NORTH  
 No remaining items

EXTERIOR: EAST  
 • **Cap unused rainwater conductor**

EXTERIOR: SOUTH  
 No remaining items

EXTERIOR: WEST  
 No remaining items

INTERIOR, ROOM #1 MEN'S TOILET  
 • Adjust inswinging toilet compartment doors to 30°  
 • **Touch-up grey paint below expansion joint when blue paint dripped on it.**  
~~• Correct concrete floor finish in toilet/urinal area~~

INTERIOR, ROOM #2 FAMILY ASSIST TOILET  
 • **Adjust/replace thumbturn lock (doesn't work)**  
 • **Adjust drop seal on door.**

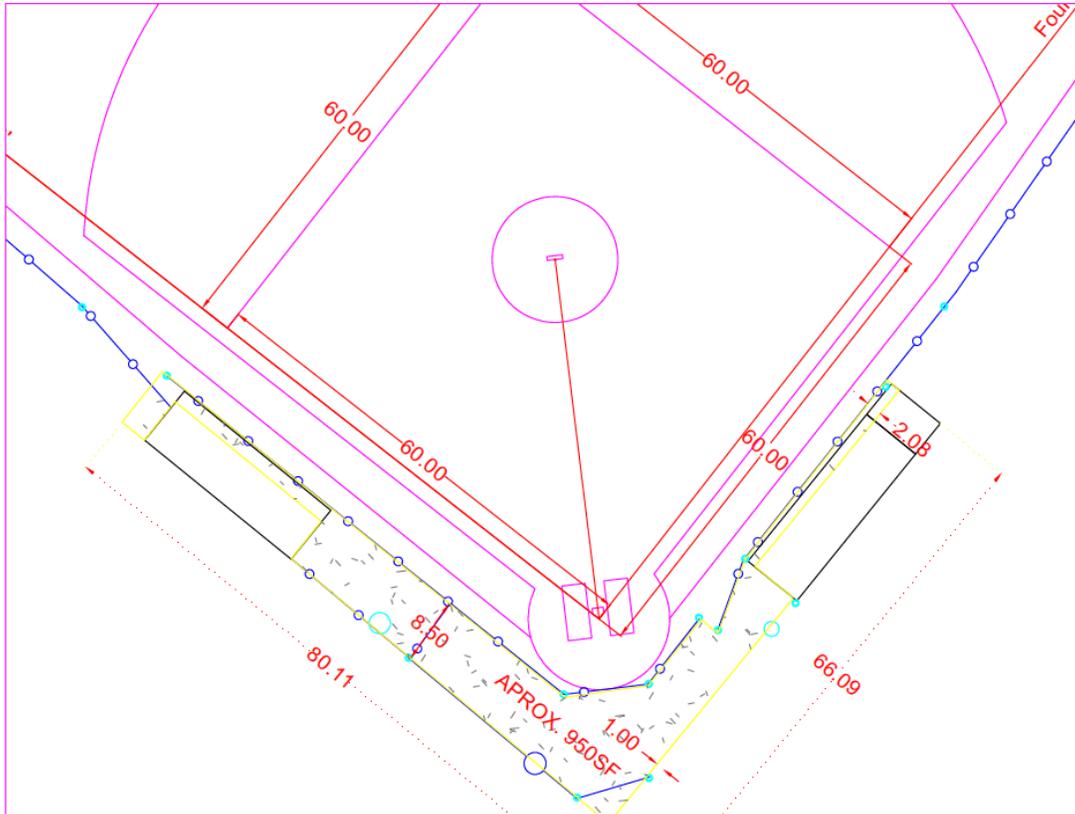
INTERIOR, ROOM #3 WOMEN'S TOILET  
 • Adjust inswinging toilet compartment doors to 30°  
 • Paint exposed pipes (areas were missed or received only one coat)  
~~• Touch-up grey paint below expansion joint when blue paint dripped on it.~~

INTERIOR, ROOM #4 CONCESSION  
 No remaining items

INTERIOR, ROOM #5 MECHANICAL  
 • Replace roof insulation  
~~• Complete ceiling installation~~

12. Met contractor Osiris to discuss paving at the field #3.

Item	Q-ty	Unit	Unit Cost	Unit Price
Removal of existing surface material (approx. 950 SF). 2" below of FFE at both dugouts	950 SF		\$ -	\$ -
Grading (approx. 950 sf)	950 SF		\$ -	\$ -
Stone Placing (approx. 950 sf, 1" thickness) Stone to be provided by the borough	3.5 CY		\$ -	\$ -
Hill Side drainage (minor trench excavation and placing #1 stone approx. 4CY)	4 CY		\$ -	\$ -
Baseball Field Support Board (40 LF)	40 LF		\$ -	\$ -
Paving 1.5" of 9mm wearing aprox	100 SY		\$ -	\$ -
<b>Total</b>				<b>\$ -</b>



**Monday- May 16, 2016**

I have been working on items listed below:

10. Responded to multiple emails.
11. Attended at Special Staff meeting
12. Processed street excavation permits
13. Responded to phone calls: 412-885-1087, 412-606-0276
14. DPW Picnic

**Tuesday – May 17, 2016**

I have been working on items listed below:

12. Responded to multiple emails.
13. Worked with DPW
14. Created work order per residence request. Resident states that 3313 Bookman Ave. storm inlet getting clogged with street debris. Resident requested to sweep the Vida Way and vacuum inlet.
15. Responded to phone calls: 412-884-3803, Brentwood borough tree at 4050 Edge Rd is dead, DPW superintended has been notified.
16. Worked with lawyer regarding 2014 paving program and lawsuit against the borough (see email below)

Christian,

Please see photographs taking from the job site taking during construction phase of the Brownsville Rd paving project. (also, pay app #2 is attached)

Let me know if you have any other questions.

Vitali

**From:** Marquis, Christian D. [<mailto:CDMarquis@MDWCG.com>]  
**Sent:** Tuesday, April 26, 2016 5:41 PM  
**To:** '[gzboyovsky@brentwoodboro.com](mailto:gzboyovsky@brentwoodboro.com)'  
**Cc:** '[CLevine@cohenlaw.com](mailto:CLevine@cohenlaw.com)'; '[azeppuhar@brentwoodboro.com](mailto:azeppuhar@brentwoodboro.com)'; Scott Dietz; 'Ed Andrescavage'  
**Subject:** Miller vs. Brentwood Boro - Claim # 003756-002460-GB-01; MDWCG # 13305.00227  
(PRIVILEGED AND CONFIDENTIAL ATTORNEY CLIENT COMMUNICATION / ATTORNEY WORK PRODUCT)

George,

Attached hereto is a draft Answer and New Matter in response to Plaintiff's Complaint, a copy of which is also attached. Please review the draft Answer and New Matter in unison with the Complaint to ensure that our answers and new matter are true and accurate to the best of your knowledge, information and belief. If that is so, please execute the verification and return it to me. However, if you have any questions or concerns, or believe that any changes should be made, please let me know as well and I will make any and all necessary changes.

Also, a few comments. I met with Chief Adam Zeppuhar and Tina Grimes yesterday to discuss this case and to view the accident location. Ms. Grimes was acting as a crossing guard on the day of the subject incident, March 24,

2014. She stated that although she did not see the fall, she had turned and saw the Plaintiff lying in the middle of the street. Plaintiff had been attempting to cross East Willock Road at its intersection with Brownsville Road either within or very near the cross walk; she would have been walking in a northerly direction toward the Co-Go's. We therefore do not know what caused her to fall and question if it was any curbing. In any event, it is my understanding that East Willock Road is owned and maintained by Allegheny County. However, at this location, it appears that the paving did go into a portion of East Willock Road and through the cross walk area. I am therefore assuming that this paving was within the right-of-way for Brownsville Road and thus is the reason why some paving did go into East Willock. Because of this, is it the case that the Borough is also responsible for the curbing at the south east and north east corners of East Willock and Brownsville Road? On that note, can you let me know when Brownsville Road was paved after the date of the accident on March 24, 2014? You may want to refer these questions to the Borough Engineer so please do so if necessary.

Thanks and I look forward to hearing from you in this regard. Please let me know if you have any questions or concerns.

Christian

17. Performed field trip to Kestner ave. The resident complains about sinking driveway. At the time of site visit no issues were discovered regarding integrity of the borough's utility lines.

### **Wednesday – May 18, 2016**

Replied to multiple emails.

9. Responded to multiple emails.

10. Worked with contractor at the library floor stripping project (see pictures below)



11. Sanitary Sewer: Worked with Mr Sewer and Matt Mertz Plumbing to resolve plumbing concerns at 127 Owendle and E. Willet Rd properties.
- 12.** Attended at monthly meeting EDS, PWSA, ALCOSAN to review and discuss demonstration project related to Saw Mill Run creek (see below agenda meeting)

**Thursday - May 19, 2016**

I have been working on items listed below:

15. Replied to multiple emails.
16. Prepared engineering weekly report.
17. Attended at MS4 meeting at Monroeville
18. Attended at precon meeting with Morgan Excavating.
19. Prepared the latter to PAW regarding street restoration responsibilities (see below)
20. Responded to phone calls: 412-952-5819 – Dead bird at 3420 Kaufman Ave, 412-882-67-21, 412-855-1857



## THE BOROUGH OF BRENTWOOD

MUNICIPAL BUILDING  
3624 BROWNSVILLE RD.  
PITTSBURGH, PA 15227-3199

Office: 412-884-1500

Fax: 412-884-1911

[www.brentwoodboro.com](http://www.brentwoodboro.com)

C-40048-2016

May 19, 2016

Pennsylvania American Water Company

Att: Randy

Re: Scope of Work for Restoration of Concrete Roads where new water main lines have been installed Brentwood Borough, Allegheny County, PA

Dear Randy,

Per our most recent communications, Pennsylvania American Water Company, has decided to have your contractor, Golden Triangle Construction, perform a portion of the pavement restoration work on the following roads within the stated limits:

1. Villawood Drive from Lawnwood Drive to Leafdale Way
2. Kingsley Avenue from Willet Avenue to Villawood Drive
3. Shadyway Road from East Francis Avenue to Lawnwood Drive.

The scope of work that Golden Triangle is to perform for the roadway restoration is as follows:

1. Excavation of the full width of the paved lane of the roadway where the waterline was installed. This excavation will be from the centerline of the road to the gutter line. Under this item the contractor will be required to excavate the existing roadway to the subgrade for the placement of the Class 4 Geotextile Fabric, 6" of 2A Subbase, and 5" 19 mm Superpave Bituminous Binder. The finished elevation of the 19mm Bituminous Binder shall be even with the existing concrete pavement that is remaining in place and the exiting gutter line at the curb.
2. Complete any base repairs that are needed in the lane of the excavated pavement. The base repairs shall be made by excavating the base and sub-base to a depth of 12" for the placement of 6" of PennDOT 2A limestone or air cooled slag.
3. Install on the subgrade Class 4 Geotextile Fabric.
4. Install 6" of 2A Stone Subbase on the Class 4 Geotextile Fabric
5. Install 5" of 19mm Superpave Binder.

The scope of work that Brentwood is to perform are the following items in which there will be a 50% shared cost reimbursement with Pennsylvania American Water Company:

1. Preparation of Existing Road for Paving.
2. Cutting Keyways at intersecting streets.
3. Saw cut and Seal Joints
4. 1 ½" of Fine Graded 9.5mm Superpave Scratch –
5. 1 ½" of Fine Graded 9.5mm Superpave Wearing Surface -
6. Traffic Control and Restoration

If you are in agreement with the aforementioned scope of work and cost sharing, please provide a written response as soon as possible.

If you have any questions, please let me know.

Sincerely,

Vitali Alexandrov  
Brentwood Borough

Cc: George Zboyovsky, Brentwood Borough  
Jennifer Slagle, P.E., Borough Engineer  
Ruthann L. Omer, P.E., Borough Liaison  
Joseph H. Sites, P.E., Project Engineer

### **Friday- May 20, 2016**

I have been working on items listed below:

1. Responded to multiple emails.
2. Conducted weekly conference call with Gateway engineers to discuss updates on open 2016 projects.
3. Responded to phone calls.

### **Monday- May 23, 2016**

I have been working on items listed below:

1. Responded to multiple emails.
2. Interns first day (showed tasks and field trip to the park).
3. Reviewed CCTV video for 3000 Willett Avenue for cracks and obstructions.
4. Responded to phone calls: 412-882-6721, 412-884-5705, 412-393-7821.

### **Tuesday – May 24, 2016**

I have been working on items listed below:

1. Responded to multiple emails.
2. Field trip to Quality Windsor Floor Equipment (Company that did the Library Floor) discussing equipment needed possibly for library/civic center as well as other areas.
3. Filed Contract documents for Contracts: A, B, C, D for paving and sewer.

4. Spoke with Mary Lou per resident request for inspection of storm inlet.
5. GIS Meeting with Ryan Berner from Gateway Engineers about implementing esri (ArcGIS) so the residents of Brentwood Borough can access information in the surrounding area as well as file complaints.
6. Respond to phone calls: 412-350-5600, 216-393-6300, 866-907-6300 #235.

### **Wednesday – May 25, 2016**

Replied to multiple emails.

13. Responded to multiple emails.
14. Newsletter updates discussing contracts.
15. Field trip to project sites. Checked if Morgan Excavating started to move equipment to street.
16. IT/PlanIT Training for scheduling and tasks.
17. Park walkthrough with Plavchack for punch list items.

### **Thursday - May 26, 2016**

I have been working on items listed below:

1. Vitali was absent due to vacation however intern worked on the following:
2. Prepared engineering weekly report.
3. Prepared engineering monthly report.

### **Friday- May 27, 2016 PTO**

### **Monday- May 30, 2016 MEMORIAL DAY**

### **Tuesday – May 31, 2016**

I have been working on items listed below:

1. Supervised DPW refer to weekly DPW report