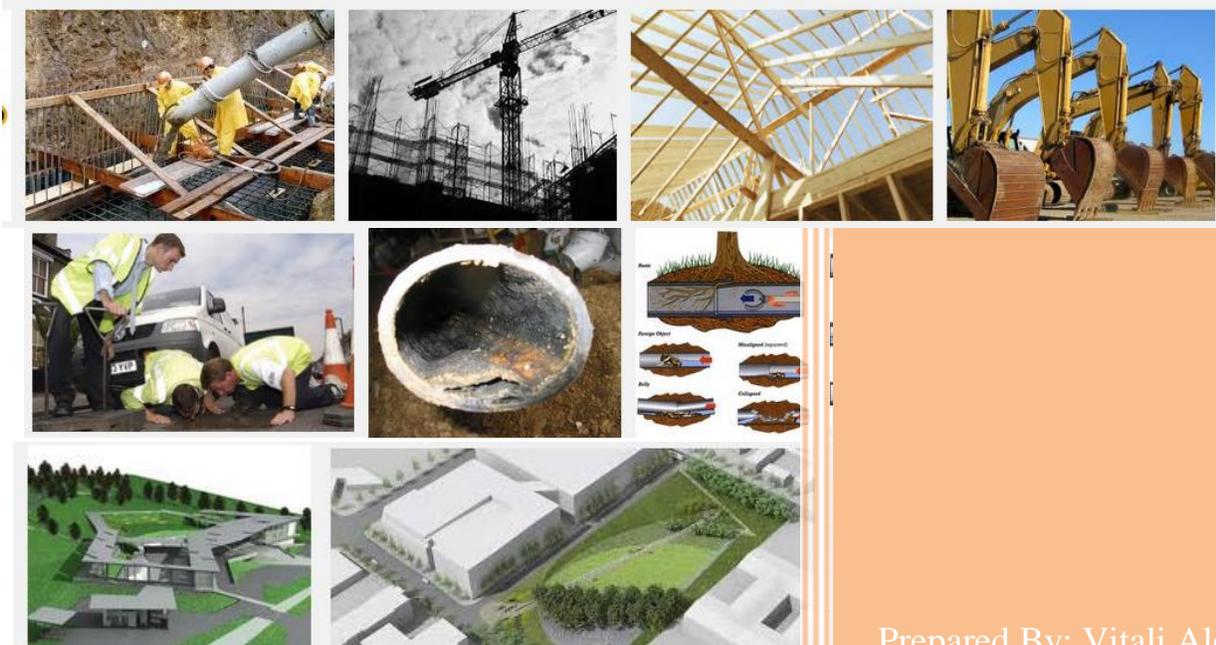


# BRENTWOOD BOROUGH ENGINEERING REPORT



Prepared By: Vitali Alexandrov

Period: Month June, 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	\$ 10,002.25		\$ 4,997.75
01 408-313	Miscellaneous Grants	\$ -	\$ -	\$ -	67%	
01 408-313	Miscellaneous Engineering	\$ 10,000.00	\$ 10,000.00	\$ 3,860.95		\$ 6,139.05
01-414-313	Miscellaneous Engineering Reimbursable	\$ 11,000.00	\$ 11,000.00	\$ 334.25	39%	\$ 10,665.75
		<b>\$ 36,000.00</b>	<b>\$ 36,000.00</b>	<b>\$ 14,197.45</b>		<b>\$ 21,802.55</b>

BUDGET	08-SEWER FUND PROJECTS CONSTRUCTION	BUDGETED	AWARDED	YTD	(%) COMPLETE	REMAINING	NOTES
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, Bretwood	\$ 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>	

BUDGET	08-SEWER FUND PROJECTS ENGINEERING	BUDGETED	AWARDED	YTD	(%) COMPLETE	REMAINING	NOTES
<b>08 429-313</b>	<b>ENGINEERING SERVICES</b>						
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	\$ 50,208.65	48%	\$ 54,791.35	
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, Bretwood	\$ 30,000.00	\$ 17,000.00	\$ 1,479.14	5%	\$ 15,520.86	
08 429-313	Flow Isolation Study	\$ 33,000.00	\$ -	\$ -	0%		
		<b>\$ 185,000.00</b>	<b>\$ 139,000.00</b>	<b>\$ 65,043.01</b>		<b>\$ 73,956.99</b>	

BUDGET	18- CAPITAL IMPROVEMENT PROJECTS CONSTRUCTION/ ENGINEERING	BUDGETED	APPROVED	WORK AUTH/AWARDED CONTRACT	YTD	(%) COMPLETE	REMAINING	NOTES
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	\$ 3,728.62	2%	\$ 158,271.38	
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	\$ 20,786.66	83%	\$ 4,213.34	
18-439-619	PAVING PROGRAM	\$ 725,000.00	\$ 725,000.00	\$ (251,613.00)	\$ 12,128.13	2%	\$ (263,741.13)	
	Dauphin Ave	\$ 234,978.00	\$ 234,978.00	\$ 261,010.00				
	Contract A			\$ 210,401.30				
	Contract B			\$ 453,861.70				
	Contract C			\$ 18,340.00				
	Arlea duction			\$ 33,000.00				
18-407-455	GIS	\$ 10,000.00	\$ 10,000.00	\$ 10,000.00	\$ -		\$ 10,000.00	
18-439-610	Sidewalk Brownsville	\$ 50,000.00	\$ 50,000.00	\$ 50,000.00	\$ -	0%	\$ 50,000.00	
		\$ -	\$ -	\$ -	\$ -	0%		
18 446-610		\$ -	\$ -	\$ -	\$ -			
		<b>\$ 1,236,978.00</b>	<b>\$ 1,236,978.00</b>	<b>\$ 1,004,500.00</b>	<b>\$ 38,947.41</b>		<b>\$ (71,060.41)</b>	

### **Wednesday- June 1, 2016**

I have been working on items listed below:

1. Responded to multiple emails.
2. Approved monthly invoices from Gateway engineers and updated financial status for CIPs.
3. Scheduled meetings with vendors and suppliers.
4. Residence request, phone calls: 3311 Villawood Ave. Residence complained regarding loose construction materials on the road surfaces left by PWA contractor. I placed a phone call to the superintendent of this project and requested daily street sweeping.
5. Performed Field trip to project sites on Villawood Ave, Kingsley Ave.
6. Attended at monthly engineering meeting with Gateway (refer to Gateway's report)

### **Thursday – June 2, 2016**

I have been working on items listed below:

1. Responded to multiple emails.
2. Scheduled DPW park crew to cut grass at the field #4 hill side, near to pool, install NO PARKING sign at the park. Raccoon pick up at the 160 Pointview Ave. Next week Scheduled groundhog control at 35 W. Garden
3. Attended at the meeting with Duke's Root control. Discussed sanitary sewer future projects for root mediation.
4. Prepared engineering weekly report.
5. Residence request, phone calls: 412-452-3069, 412-884-5705, 724-494-0280, 614-354-3927
6. Prepared financial report for Park Phase 3 project and sent an email to Brian May regarding outstanding balance discrepancies. (see below)

Budget Line item	2014 Budget Amount	Original Contract Amount	CO
15-454-612	\$ 1,841,140.00	\$ 2,021,900.00	\$ 11,245.00
			\$ 1,384.00
			\$ (9,000.00)
<b>Revised Contract Amount</b>			<b>\$ 2,025,529.00</b>

PTD			
2014		2015	
6/20/2014	\$ 192,240.00	3/27/2015	\$ 200,000.00
7/11/2014	\$ 172,719.00	4/23/2015	\$ 75,000.00
8/15/2014	\$ 219,671.10		
9/26/2014	\$ 322,668.00		
10/17/2014	\$ 580,799.95		
\$	1,488,098.05	\$	275,000.00
<b>TOTAL PTD</b>		<b>\$ 1,763,098.05</b>	

Remaining Contract Balance	
Due Pay App 9	\$ 94,611.45
Retainage	\$ 99,359.00
<b>Balance to finish</b>	<b>\$ 68,460.50</b>
<b>TOTAL</b>	<b>\$ 262,430.95</b>

**FROM CONTRACTOR:**  
Plavchak Construction Co., Inc.  
1512 Route 51  
Jefferson Hills, PA 15025

**VIA ENGINEER:**  
The Gateway Engineers, Inc.  
400 Holiday Drive, Suite 300  
Pittsburgh, PA 15220

**APPLICATION DATE:** May 31, 2015

**PROJECT NUMBERS:** Engineer's: C-40147-0004  
Contractor's: 01274-54  
Owner's:

### CONTRACTOR'S APPLICATION FOR PAYMENT

See the attached continuation sheet(s)

1. ORIGINAL CONTRACT PRICE	\$	\$2,021,900.00
2. Net change by Change Orders	\$	\$3,629.00
3. CURRENT CONTRACT PRICE (Line 1 ± 2)	\$	\$2,025,529.00
4. TOTAL COMPLETED AND STORED TO DATE (Column F on Progress Estimate)	\$	\$1,987,180.00
5. RETAINAGE:		
a. 5 % of Work Completed ( \$ 1987179.999169)=	\$	\$99,359.00
b. 5 % of Materials Stored ( \$ 0)=	\$	\$0.00
c. Total Retainage (Line 5a + Line 5b)	\$	\$99,359.00
6. AMOUNT ELIGIBLE TO DATE (Line 4 - Line 5c)	\$	\$1,887,821.00
7. LESS PREVIOUS PAYMENTS (Line 6 from prior Application)	\$	\$1,793,209.55
8. AMOUNT DUE THIS APPLICATION	\$	\$94,611.45
9. BALANCE TO FINISH CONTRACT (Line 3 - Line 4)	\$	\$38,349.00

### CONTRACTOR'S CERTIFICATION

The undersigned Contractor certifies that: (1) all previous progress payments received from Owner on account of Work done under the Contract have been applied on account to discharge Contractor's legitimate obligations incurred in connection with Work covered by prior Applications for Payment; (2) of all Work, materials and equipment incorporated in said Work or otherwise listed in or covered by this Application for Payment will pass to Owner at time of payment free and clear of all Liens, security interests and encumbrances (except such as are covered by a Bond acceptable to Owner indemnifying Owner against any such Liens, security interest or encumbrances); and (3) all Work covered by this Application for Payment is in accordance with the Contract Documents and is not defective.

CONTRACTOR:

By: Michael J. Plavchak Sr. Date: June 9, 2015

### ENGINEER'S CERTIFICATION

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

**AMOUNT CERTIFIED**

\$

(Line 8 or other - attach explanation of other amount)

ENGINEER:

By: \_\_\_\_\_ Date: \_\_\_\_\_

### CHANGE ORDER SUMMARY

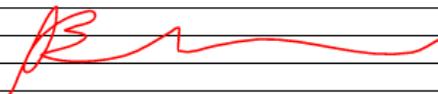
Number	Additions	Deductions
CO1	\$11,245.00	
CO2	\$1,384.00	
CO3		\$9,000.00



**DAILY CONSTRUCTION INSPECTION REPORT**

<b>PROJECT</b> 2016 Paving	<b>WEATHER</b>	Partly cloudy
<b>PROJECT LOCATION</b> Dauphin Ave between VanWyck and Hillson, Hillson and Scine	<b>TEMPERATURE</b>	75
<b>CLIENT/MUNICIPALITY</b> Brentwood borough	<b>CONTRACTOR FOREMAN</b>	
<b>PROJECT MANAGER</b> Vitali Alexandrov	Brett	
<b>CONTRACTOR</b> Morgan	<b>SUB-CONTRACTOR FOREMAN</b>	
<b>SUBCONTRACTOR</b> Na		

**WORK COMPLETED BY CONTRACTOR:(INDICATE ANY WORK THAT YOU'VE SEEN OR DID NOT SEE)**

Contractor performed the following
Excavated an existing paving. Graded the street per project specifications (16.5" deep) total removal and 2% slope both direction from center line.
Project limits for that day: Hillson/VanWyck and Hillson/Scineridge
Attended at the meeting with Columbia Gas to discuss gas line not being install at the desired elevation. Gas company will have their sub ASAP
To come to the Dauphin AVE. to relocate main gas line from 3521 Dauphin to 3523 Dauphin Ave.
Columbia gas will be responsible for restoration of the intersection of Hillson and Dauphin, however Columbia gas is willing to review restoration cost
Estimate From Morgan excavating. Columbia gas will be in contact with Morgan excavating regarding subcontractor and schedule main relocation.
At 3:57pm received phone call from Columbia gas stating that pipe relocation can be performed next Monday June 13th, job should not take more than 2 days.


**Wednesday- June 8, 2016**

I have been working on items listed below:

1. Responded to multiple emails.
2. 2016 paving program inspection of dauphin Ave. (see daily report below)
3. 221 Newborn Ave. curb
4. Responded to phone calls: 412-551-1763





**Tuesday- June 14, 2016**

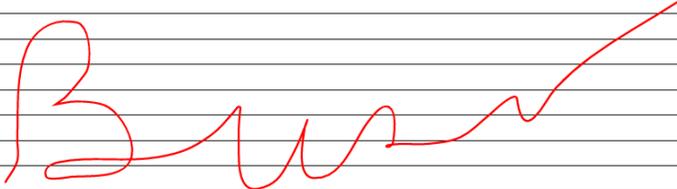
I have been working on items listed below:

1. Borough is off due to Flag Day however intern inspected Dauphin Ave.
2. 2016 paving program Dauphin Ave. inspection.

**DAILY CONSTRUCTION INSPECTION REPORT**

<b>PROJECT</b>	2016 Paving	<b>WEATHER</b>	Partly cloudy
<b>PROJECT LOCATION</b>	Dauphin Ave between VanWyck and Hillson, Hillson and Scine	<b>TEMPERATURE</b>	75
<b>CLIENT/MUNICIPALITY</b>	Brentwood borough	<b>CONTRACTOR FOREMAN</b>	
<b>PROJECT MANAGER</b>	Vitali Alexandrov	Brett	
<b>CONTRACTOR</b>	Morgan	<b>SUB-CONTRACTOR FOREMAN</b>	
<b>SUBCONTRACTOR</b>	Na		

**WORK COMPLETED BY CONTRACTOR:(INDICATE ANY WORK THAT YOU'VE SEEN OR DID NOT SEE)**

Contractor excavated 15x60x1 for soft spot in bedding, installed geotextile fabric, back filled with #1 stone	
Placed approx 200 ft of 6" underdrain	
	
Pay items:	
6" under drain: 200 ft	
Sub base soft spot repair: 15x60x1 (33.3 cy)	

**Wednesday- June 15, 2016**

I have been working on items listed below:

1. Replied to multiple emails.
2. 2016 paving program inspection of Dauphin Ave. (see daily report for pictures and other items).
3. Responded to phone calls: 724-872-6589, 412-885-2004, 412-475-7044



Item No	Item	Unit	PROPOSED QUANTITY	UNIT COST	TOTAL COST	6/9/2016	6/10/2016	6/13/2016	6/14/2016	6/15/2016	Proposed Quantities	Bid Quantities	ACTUAL	Cost (\$)	Comparing
1	15" Smooth Lined CCP Storm Sewer Pipe, including connection into existing inlets and manholes	LF	325	65	\$ 21,125.00	80.00	4.75			66.00	325.00	325	150.75	\$ 9,798.75	150.75
2	Remove and Replace existing inlet with Type M Inlet, backfill included	EA	4	2675	\$ 10,700.00						4.00	4	-	\$ -	-
3	Install New Type M inlet	EA	7	2375	\$ 16,625.00	2.00	1.00			3.00	7.00	7	6.00	\$ 14,250.00	6.00
4	Roadway Excavation, including removal of existing pavement and subgrade to lines and grades on plane	SY	2250	9.5	\$ 21,375.00						2,250.00	2,250	-	\$ -	-
5	Class 4 Geotextile Fabric	SY	2250	1.35	\$ 3,037.50						2,250.00	2,250	-	\$ -	-
6	8" AASHTO #1 Stone Subbase choked with 4" of PennDOT 2A subbase	SY	2250	17.43	\$ 39,217.50						2,250.00	2,250	-	\$ -	-
7	Replace various areas of unsuitable subgrade with AASHTO #14 stone	CY	100	40.55	\$ 4,055.00		28.10	23.20	33.30		100.00	100	84.60	\$ 3,430.53	84.60
8	6" Underdrain	LF	1000	12.93	\$ 12,930.00		200.00	300.00	200.00		1,000.00	1,000	700.00	\$ 9,051.00	700.00
9	Keyways	LF	125	3.5	\$ 437.50						125.00	125	-	\$ -	-
10	6" X 18" Bituminous Wedge Curb	LF	1200	1	\$ 1,200.00						1,200.00	1,200	-	\$ -	-
11	3" of 19mm Superpave Bituminous Binder, 0 to 0.3 million Esals	TON	450	85.93	\$ 38,668.50						450.00	450	-	\$ -	-
12	1.5" of 9.5mm superpave Fine Graded Bituminous Wearing Surface, 0 to 0.3 million Esals, SRL "E"	SY	2250	10.58	\$ 23,805.00						2,250.00	2,250	-	\$ -	-
13	4" PVC Pipe for Roof Drains	LF	200	16.5	\$ 3,300.00						200.00	200	-	\$ -	-
14	6" Concrete Driveway/Walkway Area Resotation	SF	1500	9.75	\$ 14,625.00						1,500.00	1,500	-	\$ -	-
15	Bituminous Driveway/ Parking/ Walkway Area Resotation	SY	175	66.6	\$ 11,655.00						175.00	175	-	\$ -	-
16	Stone Driveway and Parking Resotation	SF	150	2	\$ 300.00						150.00	150	-	\$ -	-
17	Landscaping Resotation	LS	1	3200	\$ 3,200.00						1.00	1	-	\$ -	-
18	Slope Grade Adjustment (located in plans) at 2:1 or flatter	LS	1	3897	\$ 3,897.00						1.00	1	-	\$ -	-
19	ADA Handicapped Parking Space Marking	LS	1	575	\$ 575.00						1.00	1	-	\$ -	-
20	Stump Removal	EA	5	350	\$ 1,750.00						5.00	5	-	\$ -	-
21	Traffic Control/ Notification	LS	1	2500	\$ 2,500.00						1.00	1	-	\$ -	-
22			0	0	\$ -						-	0	-	\$ -	-
			0		\$ 234,978.00						-	0	-	\$ -	-
													TOTAL	\$ 36,530.28	

### Friday- June 17, 2016

I have been working on items listed below:

1. Replied to multiple emails.
2. Conference call with Gateway to discuss project updates.
3. Responded to PA1 call, and marked the Boroughs utilities on Dauphin Avenue.
4. Processed street excavation permits.
5. Responded to phone calls: 412-885-2004, 412-262-9221, 412-882-0824, 412-262-9221

### Monday- June 20, 2016

I have been working on items listed below:

1. Vitali reported to Dept. of Public Works due to Bob Mackewich PTO and managed their guys.
2. Meeting with Morgan Excavating about future plans. Steve Morgan wanted letters due to notice of change in contract schedule since work was put on hold.
3. The Borough continued to monitor Dauphin Avenue as PAW excavated for water main.
4. Intern started working on Sign Inventory for the Borough.



## THE BOROUGH OF BRENTWOOD

MUNICIPAL BUILDING – 3624 BROWNSVILLE ROAD

PITTSBURGH, PA 15227-3199

Office 412-884-1500 FAX 412-884-1911

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

June 21, 2016

Mr. Steve Morgan  
President  
Morgan Excavating  
445 Cherry Blossom Drive  
Belle Vernon, PA 15102

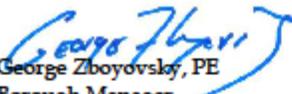
**RE: *Notice of Change in Contract Schedule  
Dauphin Avenue Reconstruction Project  
Brentwood Borough***

Dear Mr. Morgan:

Pursuant to our meeting held on June 20, 2016 please let this letter serve as notice to Morgan Excavating that the contracted schedule to complete the Dauphin Avenue Reconstruction project is on hold due to necessary repairs required by both Columbia Gas and Pennsylvania American Water Company. The Borough will be coordinating this work with the above utility companies. At such time when they have completed their work the Borough will issue a "Second" Notice to Proceed to Morgan Excavating at which time the contract schedule requirements will resume.

If you have any questions or require additional information, please do not hesitate to give me a call. Thank you for your patience and cooperation as we work through this dilemma.

Very truly yours;  
**BRENTWOOD BOROUGH**

  
George Zboyovskiy, PE  
Borough Manager

CC: Brentwood Council  
V. Alexandrov  
J. Sites - Gateway Engineers  
File

## **Tuesday- June 21, 2016**

I have been working on items listed below:

1. Vitali reported to Dept. of Public Works due to Bob Mackewich PTO and managed their guys.
2. Intern continued to work on Sign Inventory for the Borough.
3. The Borough monitored Dauphine Avenue as PAW contractor continued water main pipe/valves installation and excavation for tap in.
4. 51-53 Owendale Avenue Collapsed Pipe in alley of resident and section of Boroughs.

## **Wednesday- June 22, 2016**

I have been working on items listed below:

1. Vitali reported to Dept. of Public Works due to Bob Mackewich PTO and managed their guys.
2. Intern continued to work on Sign Inventory for the Borough.
3. The Borough continued to monitor Dauphin Avenue as PAW contractor continued water main pipe/valves installation.
4. The PAW contractor was excavating for water main line and noticed that the underdrain installed by Morgan Excavating was damaged. The Borough representative Vitali Alexandrov was notified immediately when the problem was found.



## **Thursday – June 23, 2016**

I have been working on items listed below:

1. Vitali reported to Dept. of Public Works due to Bob Mackewich PTO and managed their guys.
2. The Borough continued to monitor Dauphin Avenue as PAW contractor continued water main pipe/valves installation.
3. Vitali prepared change orders (from Morgan Excavating) for council to review.
4. Intern continued to work on Sign Inventory for the Borough.

### **Friday – June 24, 2016**

I have been working on items listed below:

1. Replied to multiple emails.
2. Conference call with Gateway to discuss project updates.
3. Vitali reported to Dept. of Public Works due to Bob Mackewich PTO and managed their guys.
4. The Borough continued to monitor Dauphin Avenue as PAW excavated for water main.
5. Intern continued to work on Sign Inventory for the Borough.
6. Responded to phone calls.

### **Thursday - June 27, 2016**

I have been working on items listed below:

1. Replied to multiple emails.
2. Vitali reported to Dept. of Public Works due to Bob Mackewich PTO and managed their guys.
3. The Borough continued to monitor Dauphin Avenue.
4. Intern continued to work on Sign Inventory for the Borough.
5. Responded to phone calls.

### **Tuesday - June 28, 2016**

I have been working on items listed below:

1. Replied to multiple emails
2. Vitali reported to Dept. of Public Works due to Bob Mackewich PTO and managed their guys.
3. Intern continued to work on Sign Inventory for the Borough.
4. Meeting with PAW and Columbia Gas regarding schedule of work, cost estimates, and change orders (Meeting minutes was taken and can be viewed in Meetings folder).
5. Meeting with Roto-Rooter regarding Contract A Sewer Repair.
6. Responded to phone calls.

### **Wednesday – June 29, 2016**

I have been working on items listed below:

1. Replied to multiple emails
2. Vitali reported to Dept. of Public Works due to Bob Mackewich PTO and managed their guys.
3. Intern continued to work on Sign Inventory for the Borough.
4. The Borough continued to monitor Dauphin Avenue.
5. Meeting with PAW and their contractor (Golden Triangle) regarding restorations, borough specifications, anticipated start date.
6. Intern prepared cost estimates for PAW and Columbia Gas for damages on Dauphin Ave.

**Thursday – June 23, 2016**

I have been working on items listed below:

1. Intern reported to Dept. of Public Works due to Bob Mackewich/Vitali PTO.
2. The Borough continued to monitor Dauphin Avenue.
3. Intern continued to work on Sign Inventory for the Borough.
4. Worked on weekly engineering report.
5. Responded to phone calls.