LOWER PAXTON TOWNSHIP AUTHORITY
TUESDAY, FEBRUARY 25, 2020 – 7:00 P.M.

ORDER OF BUSINESS

ANNUAL REORGANIZATIONAL MEETING

1. CALL TO ORDER – CHAIRMAN PRO TEM, STEVE STINE

2. PLEDGE OF ALLEGIANCE – MR. BLAIN

3. ELECTION OF CHAIRMAN OF THE BOARD – CHAIRMAN PRO TEM

4. ELECTION OF VICE CHAIRMAN OF THE BOARD – CHAIRMAN

5. ELECTION OF THE SECRETARY OF THE BOARD – CHAIRMAN

6. ELECTION OF THE AUTHORITY TREASURER – CHAIRMAN

7. ELECTION OF THE ASSISTANT SECRETARY – CHAIRMAN

8. APPOINTMENT OF THE AUTHORITY SOLICITOR – CHAIRMAN

9. APPOINTMENT OF THE AUTHORITY STORMWATER ENGINEER – CHAIRMAN

10. APPOINTMENT OF THE AUTHORITY SANITARY SEWER ENGINEER – CHAIRMAN

11. ESTABLISHMENT OF THE REGULAR MEETING SCHEDULE FOR BOARD MEETINGS- CHAIRMAN

BUSINESS MEETING
GENERAL AUTHORITY

1. APPROVAL OF THE MINUTES OF 11/19/19

2. PUBLIC COMMENT

3. CHAIRMAN/BOARD MEMBER COMMENTS

STORMWATER FUND

4. NEW BUSINESS

   A. Action on Amendment #1 to the Stormwater User Fee, Sanitary Sewer Rental Billing and Collection Policy - Farm land revisions

5. TOWNSHIP REPORTS

A. Draft Stormwater Management Program Credit and Incentives Policy

B. Update on the televising of the private stormwater system at Hidden Lake

C. Update on the PADEP NPDES Permit for Municipal Separate Storm Sewer Systems (MS4s) and the Joint PRP

6. ENGINEER'S REPORT

SANITARY SEWER FUND

7. NEW BUSINESS

A. Action on request from Four Seasons to investigate the private sewer system for possible future dedication to the Authority – Mr. Stephen Dzuranin, Wix, Wenger and Weidner

B. Request from property owner at 602 Drexel Road for re-imbursement for the private sewer replacement – Mr. Weaver

C. Request from Triple Crown Corporation for a reduction in the 15% administration fees for Developer escrow deposits – Mr. Weaver

D. Resolution 20-01-01 to 20-01-03 - authorizing the acquisition of a temporary construction easements for a private sewer replacement in the BC-2A/B/C and 5B project (property transfers) – Mr. Weaver

E. Dedication of Developer installed sewers – Melissa Smith, GHD

F. Action on Resolution 20-02 – Establishing the Developer Installed Sewer Fee Schedule – Mr. Weaver

G. Action on Resolution 20-03 authorizing the Solicitor and sewer system engineer to establish, maintain and release improvement guarantee's for Developer Installed Sewer Extensions – Mr. Weaver

8. TOWNSHIP REPORTS

A. BC-2A/B/C, BC-5B sewer replacement construction schedule update
B. SC-2B Building Sewer replacement Project update
C. BC Interceptor MH Frames and Covers project
D. BC-7 Project – PVC area public meeting scheduled for 3/24
E. PC Agreement Amendment
F. Summary of Annual Meeting with Swatara Township Authority
G. SC1 Overflow – Consent Order Requirements
H. Update on 2020 Bond Issue

9. ENGINEER'S REPORT

10. ADJORN

<u>AMENDMENT #1</u>

Stormwater User Fee, Sewer Rental Billing and Collection Policy.

D. Crop Farming – Dauphin County Land Use Data – Initial NSFR Designation

(i) The initial stormwater user fee for property owners that are identified as a farming operation by the Dauphin County Land Use Data shall be billed as NSFR. The property owner will have the opportunity to be re-classified as SFR if the owner(s) execute and return the Authority Unsworn Verification to Authorities verifying that no crop farming or commercial activity is occurring on the property, as defined under the Lower Paxton Township Zoning Ordinance. The Authority reserves the right to also perform an inspection of the property to confirm the submitted verification.

(ii) **The stormwater user fee for property owners that are identified as a farming operation may have the impervious surface re-calculated using the alternative billing method. This alternative billing method allows for the separation of the farmhouse and driveway from the NSFR impervious surface. The property will receive 2 separate bills, a flat rate for the farmhouse (SFR Rate) and a separate bill for the remaining NSFR impervious surface.**

DRAFT – For Discussion Purpose Only

LOWER PAXTON
TOWNSHIP PA

Stormwater Management Program Credits and Incentives Policy Manual

February 2020

DRAFT

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Introduction

This Manual provides Lower Paxton Township Authority (LPTA) Stormwater Management Program customers with details on the Credits available to reduce their quarterly Stormwater Management Program (SMP) Fee. Stormwater Credits are provided as a means for customers to reduce the amount of their quarterly fee by implementing a creditable Best Management Practice activity to reduce the contribution of stormwater and pollutants to LPTA's stormwater management system and/or to aid Lower Paxton Township and LPTA in meeting their MS4 Permit obligations.

Stormwater management is important to our community. It is necessary to manage pollutant-laden runoff generated by impervious surfaces so that it does not have a harmful effect on streams and reduces the potential of flooding and associated property damage. Lower Paxton Township and LPTA have partnered in the development and implementation of a comprehensive, Stormwater Management Program to provide enhanced stormwater management to property owners in the Township.

The foundation of an effective SMP is the development of a fair and equitable SMP Fee to provide for a dedicated and reliable revenue stream. Revenues generated by the SMP Fees will support the SMP and its goals to: ensure MS4 Permit regulatory compliance, improve water quality, support strategic planning for capital improvements, provide for effective infrastructure operation and maintenance, and to promote the education of the community on practices to improve the quality of water resources.

The Lower Paxton Township *Authority Stormwater Management Program Fee Resolution* currently in effect defines the Impervious Area (IA) per Equivalent Residential Unit (ERU), which was determined based upon the average IA of single family residential properties in the Township. All Non-Single-Family Residential Parcels (NSFRs) shall be billed user fees based upon the following schedule (a) NSFRs with impervious surface equal to or less than 3,400 square feet shall pay a user fee for one (1) ERU at the current ERU rate established by the current resolution adopted by the Authority. (b) NSFRs above the minimum of 1 ERU shall be computed by multiplying the total number of ERUs, including partial ERUs expressed in fractions of 1/10 to 9/10 as applicable, by the current ERU rate.

Disclaimer

By submitting a Stormwater Management Program Fee Credit Application pursuant to this LPTA Stormwater Management Program Credits and Incentives Policy Manual, Property Owner acknowledges and agrees that he and his heirs, grantees, successors, and assigns shall be solely responsible and liable for the operation and maintenance of any and all Best Management Practices ("BMPs") constructed, installed, or employed by the property owner. Lower Paxton Township and LPTA shall not be responsible for or liable with respect to the operation and maintenance of any BMP, or any damages arising therefrom. Property Owners and his heirs, grantees, successors, and assigns shall identify and hold harmless Lower Paxton Township, LPTA, its officers, agents, and employees from any and all claims, actions, causes of action, judgements, damages, losses, costs, and expenses (including attorney's fees) arising out of or resulting from the construction, installation, employment, maintenance, or operation of the BMP.

Definitions

The following definitions apply to the Stormwater Management Program Credits and Incentives Policy Manual. Any term not defined by this section can be defined by the *Lower Paxton Township Authority Stormwater Management Program Fee Resolution* currently in effect and Lower Paxton *Township Authority's Rules and Regulations*, to the extent not contradictory.

Credit – A discount in the form of a percentage that can be applied to an owner's stormwater fee when proper stormwater control techniques are displayed. A maximum of 45% credit can be applied to any one billing period.

Equivalent Residential Unit (ERU) – The basic unit for the computation of Stormwater Program Fees for Single Family Residential property owners. An ERU is based on the statistically estimated impervious area found on the average single-family residential parcel as outlined in the Lower Paxton *Township Authority Stormwater Management Program Fee Resolution 19-01, as amended*.

Impervious Area (Impervious Surface) (IA) — An area that does not allow or allows only with great difficulty the movement of water into the ground. Impervious areas include, but are not limited to: roofs, additional outdoor living spaces, patios, garages, storage sheds, and similar structures, swimming pools, parking or driveway areas, and any private streets and sidewalks. Any surface areas initially proposed to be gravel or crushed stone shall be assumed to be impervious areas.

Inlet – A surface connection to a closed drain. A structure at the diversion end of a conduit. The upstream end of any structure through which water may flow.

LPTA – Lower Paxton Township Authority.

National Pollutant Discharge Elimination System (NPDES) – The federal government and Commonwealth of Pennsylvania's system for issuance of discharge permits under the federal Clean Water Act (CWA), the Pennsylvania Clean Streams Law and Storm Water Management Act. The Pennsylvania Department of Environmental Protection (PADEP) has been delegated the responsibility to implement the federal CWA NPDES program in Pennsylvania.

Non-Single Family Residential (NSFR) – Any Developed Parcel not fitting the definition of Single Family Residential Property. NSFR shall include, but not be limited to, attached single-family houses, multi-family houses, townhouses and condominiums, apartments, boarding houses, hotel and motels, churches, industrial properties, commercial properties, manufactured home or mobile home parks, commercial and office buildings, storage areas, parking lots and other impervious areas, parks, recreation properties, public and private schools and universities, hospitals and convalescent centers, office buildings, government properties, mixed-use properties, and other similar properties.

Non-Urbanized Area - Any area which does not meet the definition of Urbanized Area.

Operation and Maintenance Agreement – An agreement as described in the Township's Stormwater Management Ordinance, and included in this manual, regarding the required operation and

maintenance activities for existing Stormwater Management BMP's and who will be responsible for performing them.

Outlet – Points of water disposal from a stream, river, lake tidewater or artificial drain.

PADEP - Pennsylvania Department of Environmental Protection.
Pennsylvania Stormwater Best Management (BMP) Practices Manual - The most recent version of the Pennsylvania Stormwater Best Management Practices Manual.

Peak Rate Control Credit – A credit that can be applied for utilizing proper stormwater rate control techniques. Example: Detention tanks/basins with a controlled outlet.

Pervious Area – Any area not defined as impervious.

Property Owner (Owner) - Any person, firm, corporation, individual, partnership, trust, company, association, government agency, society or group owning real property in the Township.

Single Family Residential Property (SFR) – Developed parcel containing one (1) structure which contains one (1) or more rooms with a bathroom and kitchen facilities designed for occupancy by one (1) family and shall include single family houses, single family units, manufactured homes, and mobile homes located on individual lots or parcels of lands. Developed parcels may be classified as "single family residential" despite the presence of incidental structures associated with residential uses such as garages, carports or small storage buildings. "Single family residential" shall not include developed land containing: structures used primarily for non-residential purposes; manufactured homes and mobile homes located within manufactured home or mobile home parks; or other multiple unit residential properties such as apartments, condominiums, and townhomes.

Stormwater – Drainage runoff from the surface of the land resulting from precipitation, snow or ice melt.

Stormwater Management Program (SMP) Fee - Sums assessed, imposed, and to be collected from each developed lot, parcel, building or portion thereof which uses, benefits from or is serviced by the Stormwater Management System or which discharges stormwater, directly or indirectly, into the public Stormwater Management System, for the use of and the service rendered and improvement of such system and additionally for the administration and operation of the Stormwater Management Program.

Township – Lower Paxton Township, Dauphin County, Pennsylvania.

Volume Control – Stormwater Management (SWM) controls, or BMPs, used to remove a predetermined amount of runoff or the increase in volume between the pre- and post-development design storm.

Urbanized Area (UA) – Comprised of a densely settled core of census tracts and/or census blocks that meet minimum population density requirements, along with adjacent territory containing non-residential urban land uses as well as territory with low population density included to link outlying

densely settled territory with the densely settled core. The UA is as defined by the United States Census Bureau.

Water Quality Benefit - Increasing surface water runoff quality as outlined in the Pennsylvania Stormwater BMP Manual or as defined in the PA MS4 guidelines; whichever are more restrictive.

Credits and Credit Policies

General Policies

1. It is the Owner's responsibility to apply for credits and supply all of the necessary materials with the exception of credits for Non Urbanized Area and Low Impact Parcels.
2. Credits are available to all property owners.
3. The maximum amount of credit received **shall not exceed 45% per property,** unless otherwise provided for in these policies.
4. **Sanitary sewer and stormwater accounts must be current in order to receive Credit(s) conferred by these policies.** Credits will be revoked if an account is overdue more than 90 days. Upon becoming current, a property owner may reapply to reinstate the revoked credits.
5. Credits will be revoked where qualified BMPs are not maintained, or if annual Operation and Maintenance Reports are not submitted on time**.**
6. LPTA shall automatically apply Non Urbanized and Low Impact credits to eligible properties.
7. Complete applications will be reviewed within 90 days of submission. Applications requiring review and response from PADEP may take additional review time, however credits requiring additional time will be retroactively applied to date of full application submittal. (Incomplete applications will be returned for correction).
8. Credit application fees are applicable to certain credits. Refer to Table 1 for determination if a credit fee applies. Application fees are subject to adjustment January 1 of each year. Refer to the Applying for Credit section of this document for additional detail. A credit application may include multiple related parcels.
9. Refer to Table 1 for details on credit expiration timeframes. At the time of expiration, the Credit Policy will be reevaluated at the discretion of the LPTA. Adjustments to the value of credits may be made at that time and/or reapplication required.
10. In the event of a **change of ownership, the new Owner must reapply for Credits** to verify change in Maintenance Agreement, and associated Credit requirements.
11. The Lower Paxton Township Authority has full discretion over the credit policy and process.

Eligibility

Credits are available to all property owners and there must not be any outstanding and unpaid SMP Fees or sanitary sewer fees against the property. Owners must submit the appropriate Credit Application along with any documentation required by LPTA.

Credit Details

Owners may apply for one or more Credits, and the Credits will be cumulative up to a maximum Credit of 45% of that property's SMP Fee. In no circumstance may a Credit or group of Credits reduce the applicable SMP Fee to an amount that is less than 55% of the SMP Fee for that property, unless the property meets the requirements of the BMP Easement Credit or Stormwater Partnership Credit.

Summary of Available Credits

Table 1. Summary of Available Credits by Property Type

Credit	Max Credit	Application Fee	Eligible Property Type (5)	Credit Expiration (see below)
Low Impact Parcel (IA is < 10% of Parcel Area)	30%	No	SFR, NSFR	(1)
Non Urbanized Parcel (Re-Zoned AA)	20%	No	SFR, NSFR	(1)
BMP Easement	TBD	No	SFR, NSFR	(1)
Peak Rate Control/Volume Control Structural BMP	45%	Yes	SFR, NSFR	(1)
Riparian Buffer	30%	Yes	SFR, NSFR	(1)
Stream Restoration	30%	Yes	SFR, NSFR	(1)
Turf and Landscape Management Program	15%	Yes	NSFR	(1)
Permeable Pavement	40%	Yes	SFR, NSFR	(1)
Green Roofs	20%	Yes	SFR, NSFR	(1)
Rain Barrels & Downspout Disconnection	30%	Yes	SFR, NSFR	(1)
Education Credit	10%	No	NSFR	(1)
Separate MS4 Permit	40%	No	NSFR	(2)
Stormwater Partnership Credit	TBD	Yes	NSFR	(1)
Agricultural Use Parcels	30%	No	SFR, NSFR	(1)
Public Participation	10%	No	SFR, NSFR	(3)
Public Participation Credit Donation	10%	No	SFR, NSFR	(3)
Adopt an Inlet	10%	No	SFR, NSFR	(4)

1) End of Authority MS4 Permit Cycle (currently March 31, 2023).
2) End of Property Owner's MS4 Permit Cycle.
3) December 31st of year applied.
4) One year following credit approval.
5) SFR = Single Family Residential. NSFR = Non=Single Family Residential.

In the case of stream bank restoration projects, the magnitude of the Credit will be established based on the length of the associated project.

Credits (**EXAMPLES**)

Low Impact Parcel (Eligibility: Tiers 2 through 5)

A parcel is considered a Low Impact Parcel if it meets all of the following conditions:

1. Total IA is less than or equal to 10% of the total parcel area;
2. The IA is not directly connected (for example, but not limited to: gutter, swale, channel, pipe) to a storm sewer, curb line, stream, channel, street or other surface water conveyance; and
3. The IA is a minimum of fifty (50) feet (measured horizontally) from the edge of a stream, channel, wetland, or other surface water conveyance.

If a parcel meets all of the above conditions, it may be eligible for a Credit up to 30%. Portions of the IA may be eligible for Credit even if all the IA does not meet conditions 2 and 3 listed above. For example, a parcel may contain a detached house and a shed. The total IA for the property equals 5.5%, however, the shed is twenty-five (25) feet from a stream, and therefore no Credit is applied for the shed. The house, which meets all three conditions, would receive a 30% Credit for its IA.

Adopt an Inlet (SFR)

LPTA will grant customers a 10% Credit for participating in the Adopt an Inlet program. Although residents may adopt as many inlets as they like, only one adopted inlet will be applied per SFR for the purpose of Credit. Adopted inlets should be in close proximity to the property receiving the Credit. If there are no inlets in close proximity to the property, LPTA may grant permission for a property owner to adopt an inlet elsewhere in the Township. Participants will be responsible for keeping leaves and other debris away from their adopted inlet. Approved participants will receive periodic emails to alert them to check on and remove surface debris from their adopted inlet. Additionally, participants will be asked to alert LPTA of any maintenance issues that need addressed around their adopted inlet.

Attachment A – Credit Application

Stormwater Credit Application Form

Credit Application Instructions

1. This form is provided to LPTA stormwater customers who believe they qualify for an approved Stormwater Credit. Customers should review the LPTA Credit Manual for eligibility requirements. Accounts must be current for credits to be considered.
2. Please fill out all sections on the first page of the form (except for the last section marked "For LPTA Use Only".) Please fill out all applicable sections on pages 1 and 2 related to the Credits you are applying for (except for the last section marked "For LPTA Use Only".).
3. You may attach supporting documentation to the form. Please note that any submitted documentation will not be returned to the customer. Please mail completed form to:

   Lower Paxton Township Authority
   425 Prince Street. Harrisburg, PA 17109
   Attn: Sewer Director

4. An LPTA representative will review the Stormwater Credit Application Form within 90 days of receipt of the completed form.

Attached Documents

The following documentation must be submitted for an application to be reviewed

1 Completed and signed credit application form.
2. Photographs of the site showing layout, inlets, outlets, etc.
3. Obtain owner's operation and maintenance plan.
4. Provide previous year's maintenance log. (Existing facilities only)
5. Provide $(To be determined) application fee (if required per Credit Policy Manual- Table 1.)
6. LPTA may require for the following additional documentation to be submitted:
   a. Design documentation, as-built or construction drawings, and an engineering analysis from a Pennsylvania licensed professional engineer.
   b. Documentation from a licensed engineer that the facility is in proper working order. (Existing facilities only)
   c. Other documentation as may be required at the request of the Authority.

Please review LPTA's Stormwater Management Program Credit Manual before applying

Select the credit(s) being applied for (check applicable boxes):

☐ BMP Easement	☐ Green Roofs
☐ Peak Rate Control/Volume Control Structural BMP	☐ Education Credit
☐ Riparian Buffer	☐ Separate MS4 Permit
☐ Stream Restoration	☐ Stormwater Partnership Credit
☐ Turf and Landscape Management Program	☐ Adopt an Inlet
☐ Permeable Pavement	☐ Agricultural Use Credit

Customer Information

Owner's Name: _____

Phone Number: _____ Alt. Phone Number: _____

E-mail: _____

Property Address: _____

Mailing Address: _____

Account Number: _____

Customer Classification: ☐ Tiers 2 through 4 or ☐ Tier 5

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Stormwater Credit Application Form (Cont.)

Turf and Landscape Management Program

Check all boxes that apply:

☐ I agree to submit a soil sample and provide LPTA with a copy of the results at least once every three years.

☐ I agree to follow the recommendations provided on the soil fertility report, including the application of lime if recommended.

☐ I agree to follow the fertilizer, lime and pesticide application recommendations provided by LPTA.

Please attach a copy of the soil fertility report.

Public Participation Credit Donation

Check only one box:

☐ I want to donate my participation credits to an eligible non-profit.

Name of Event:_____ Date of Event:_____

Participant Name*:_____ Number of Hours*:_____

Name of Organization:_____

Address of Organization:_____

*Please attached a list of event participants and hours served if more than one person participated.

Additional Credits

If you are applying for any of the following credits, LPTA may contact you to discuss the details of the credit after you submit page 1 of the application.

- Peak Rate Control/Volume Control Structural BMP
- Riparian Buffer
- Stream Restoration
- Permeable Pavement
- Green Roofs
- Education Credit
- Separate MS4 Credit
- Stormwater Partnership Credit
- Agricultural use Parcels

Confirmation of Credit Conditions and LPTA Access Rights

I, (please print name) _____ agree to all conditions of the Credits I have applied for as outlined in the Lower Paxton *Township Authority Stormwater Management Program Credits and Incentives Policy Manual*. Additionally, I agree that Lower Paxton Township Authority may at reasonable times enter my property to inspect the property or condition or operation of BMPs.

Signature: _____Date: _____

FOR LPTA USE ONLY

Date Received: _____	Credit(s): ☐ Granted ☐ Denied
Date Reviewed: _____	Reviewer: _____

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HRG
Herbert, Rowland & Grubic, Inc.
Engineering & Related Services
AN EMPLOYEE-OWNED COMPANY

369 East Park Drive
Harrisburg, PA 17111
(717) 564-1121
FAX (717) 564-1158

Lower Paxton Township Authority
LPTA Stormwater Fund Budget & Credit Policy
Estimated Project Schedule
1/31/2020

Task	Date	# Days
Draft Budget & Credit Policy Outline- Staff/HRG	2/14/2020	--
Revised Draft Budget & Credit Policy Outline - Staff/HRG	2/21/2020	--
LPT Staff to Present Draft Budget & Credit Policy Outline to Board 2/25/20	2/25/2020	4
Draft Budget & Draft Credit Policy - HRG to Present to Board 5/26/20	5/26/2020	95
Final Budget & Credit Policy approved by Board for Public meetings	8/25/2020	186
Conduct Public Meetings October 25 & 26	10/25/2020	247
Staff/HRG - Final 2021 Budget & Credit Policy approved by Board	11/24/2020	277
Adopt new Stormwater Fee Resolution for 2021 Stormwater Fee	11/24/2020	277
Staff- Post Credit Policy on Web Page	11/25/2020	278
Accept Credit Policy applications - HRG/Staff to review	11/26/2020	279
Appove Credit Reductions to take effect for 4/1/21 Billing	1/29/2021	343

MR. REHAB, LLC.

Your Sewer System Rehabilitation Expert

Three Long Lane, Mechanicsburg PA 17050
Telephone: (717) 697-1242
Fax: (717) 697-1028

Agreement for CCTV Services

	Date: **2/19/2020**
Client: **HRG, Inc.** **369 East Park Drive** **Harrisburg, PA 17111**	Project Location: **Country Lake Drive, Lower Paxton**
Attention: **Isaac Underhill** **717-564-1121**	Mr. Rehab Contact **Allen Clark** Ext. **111**

Services

The project involves the following: **CCTV only and locating of Storm Sewers ranging from 18" – 36" as directed by Lower Paxton TWP to indentify a possible blockage and / or collapse. The goal is to try and identify issues without utilizing MH 1 due to need for excavation.**

MR. REHAB, LLC. (Contractor) will provide the following services: [X]

- [X] CCTV Inpsection of 18" – 36" Storm Sewers located in ROW Areas
- [X] Sewer Line locating equipment to mark areas of defect.
- [X] DVD, CCTV Reports and Documentation including estimated for rehabilitation.
- [ ]

Schedule

Barring any unforeseen circumstances, Contractor is prepared to begin the work within **30** business day(s) of Client's acceptance and authorization to proceed.

Compensation

Compensation for the described services will be on the basis of following rates/unit prices:

X	*Mobilization	**$ 500.00**	/	LS
X	CCTV of 18" – 24" Storm Sewers as directed by Lower Paxton Twp (Crew and Equipment Complete) *Full Day Minimum Charge Required	**$3,450.00**	/	DAY
X	DVD, Reports, and Documentation	**$ 350.00**	/	LS

Total compensation is estimated to be **$4,300.00** based on:

[ ] The unit prices quoted above. [X] An estimated **1 day** required to complete the work

Note: Actual billings on all T&M or unit based projects will be based upon actual T&M or units expended; Actual billings may be higher or lower than the estimated billings. Related invoice(s) will be due and payable upon receipt. Invoices outstanding for more than 30 days are subject to interest charges at the rate of 1.5% per month (18% annually) beginning from the original invoice date.

Client Responsibilities

This agreement is based on Client providing the following and bearing all related costs:

- [X] Location of and vehicular access to manholes and other access structures.
- [X] [ ] [ ]
- [X] Disposal of any waste generated as part of this project

Additional Terms and Conditions

Acceptance and Authorization to Proceed	
The terms and conditions of this agreement are accepted by Client and Contractor is authorized to proceed with the described work.	MR. REHAB, LLC.
By: _____	By: *James A. Clark*
	James A. Clark
Title: _____	Title: President
Date: _____	This agreement may be withdrawn by Contractor if not accepted within **30** days.
To accept, sign and return original	

Herbert, Rowland & Grubic, Inc.
Engineering & Related Services
AN EMPLOYEE-OWNED COMPANY

LOWER PAXTON TOWNSHIP/AUTHORITY STORMWATER REPORT

Client:	**LOWER PAXTON TOWNSHIP/AUTHORITY**	Date:	**FEBRUARY 25, 2020**
	REPORT PERIOD 11/20/19 TO 2/25/20	HRG Project Number:	**R004807.0435**
To:	**MR. BRADLEY GOTSHALL, LPT/A MANAGER**	From:	**JASON HINZ, P.E.**

A. MS4 – Technical Assistance:

1. HRG assigned tasks by LPT
   - A. Stonebridge Apartments Watershed Restoration and Protection Grant Application
     1. HRG assisted the Township in developing a WRPP application, and the Township was awarded $275,000 for the project per the Commonwealth Financing Authority's (CFA) announcement on September 17, 2019.
     2. HRG recently developed and transmitted to Township staff a bullet point guide of critical information related to the WRPP funding program to assist in administering the grant.
   - B. Annual Reporting
     1. Lower Paxton Township's MS4 Annual Report was submitted to DEP on September 27, 2019.
     2. On January 28, 2020, the Township executed the Confirmation of Assignment (COA), authorizing HRG to assist in implementing the Minimum Control Measures outlined in the MS4 permit and develop the current permit year annual report.
     3. HRG intends to begin outfall screenings and BMP inspections in March 2020.
   - C. PennDOT Partnership Program Management
     1. Revisions to the agreement have been finalized, and the bid will be advertised by PennDOT in Spring 2020.

2. HRG's understanding of LPT tasks being completed in-house
   - A. None at this time.

B. MS4 – Joint Pollutant Reduction Plan (CRW, LPT, ST) :

1. The PRP was updated and resubmitted to PADEP on December 30, 2019. We are awaiting a response from PADEP on the updated version of the PRP.

C. Outstanding Proposals:

1. None.

D. Design Project Status:

1. *2019 Lower Paxton Township Drainage Improvements – Design; BC 2A-C {HRG #R000184.0531 PH 1}*
   - ✓ Design as originally scoped is complete and the bid opening for the project occurred on May 24, 2019. The Board of Supervisors awarded the project to Doli Construction Corp. on August 7, 2019 in an amount of $1,642,652 for the storm sewer portion of the project.
   - ✓ Additional information on the condition of storm sewer infrastructure in the Rockford Heights has been obtained by LPTA and reviewed by HRG. HRG provided recommendations via an email dated June 6, 2019 on necessary repair work. The system has been investigated for the possible solution of cured in place lining, which appears to be a viable option once point repairs are made to the system. HRG is in the process of developing an exhibit that shows the extents of point repairs necessary, which will be provided to the Contractor.
   - ✓ LPTA also expressed interest in addressing a ponding/icing issue near the intersection of Wenrich Street/Blue Ridge Avenue. HRG has investigated and designed a solution. Additional research and base mapping was performed to depict the public right of for Blue

Ridge Avenue and Wenrich Street in this area. A Highway Occupancy Permit (HOP) application was developed and submitted to PennDOT.

2. *2019 Lower Paxton Township Drainage Improvements – Design; Ridgeview Drive – Mountain Road {HRG #R000184.0531 PH 5}*
   - ✓ A Highway Occupancy Permit (HOP) application was completed and submitted to PennDOT on April 10, 2019. The permit was issued on August 7, 2019.
   - ✓ Final construction drawings were provided to staff, and it is our understanding that the Township has substantially completed the work with in-house resources.

3. *2019 Lower Paxton Township Drainage Improvements – Design; Johnson Street {HRG #R000184.0531 PH 6}*
   - ✓ HRG is in the process of developing construction drawings for the installation of drainage inlets and piping to remediate a ponding issue near the Hazle Street – Johnson Street intersection.
   - ✓ It is expected that the Township will construct the improvements with in-house resources in the Spring 2020.

4. *Stonebridge Apartments Stream Restoration - {HRG #R000184.0533}*
   - ✓ Final design efforts are progressing with the pedestrian bridge replacements and riparian planting layout.
   - ✓ Next steps will be to finalize the grading plan and hydraulic model once the bridge designs are complete. These efforts will culminate in presenting easement exhibits to the property owner and submission of a General Permit Application to PADEP.
   - ✓ The current construction cost estimate for the project is approximately $740K.

5. *BC 7-8 Drainage Improvements – Design; {HRG #R000184.0539}*
   - ✓ HRG identified several locations within the project area that will require closed circuit televising (CCTV) to assist with the design of the replacement drainage systems. Exhibits detailing these locations were provided to Township staff on September 4, 2019 and CCTV was conducted accordingly. The results were provided to HRG on December 12, 2019.
   - ✓ A project kick-off meeting was held on October 9, 2019 inclusive of HRG, GHD, LPT, and LPTA staff. The subsequent progress meeting was held on February 5, 2020.
   - ✓ HRG is in the process of performing preliminary hydrologic and hydraulic calculations associated with the systems in the project area and generating proposed system alignment and layout.
   - ✓ Subsurface Utility Engineering (SUE) is in progress and a sub-consultant of HRG is actively excavating test pits in various locations of the project area to determine vertical locations of utilities which could influence design efforts.

6. *2020 Lower Paxton Township Drainage Improvements – Design; {HRG #R000184.0544 PHs 1&2}*
   - ✓ On behalf of the Township, HRG developed and submitted a PA Small Water and Sewer Program grant application to the PA Department of Community and Economic Development (DCED) Commonwealth Financing Authority (CFA) Programs Division on December 13, 2019. The application was in support of the design and construction of several basin retrofit projects located throughout various Township parks. The total estimated project cost used in the application was $498,950 ($424,120 – grant request; $74,830 – required Township match).
   - ✓ On behalf of the Township, HRG developed and submitted a H20 PA Water Supply, Sanitary Sewer, and Stormwater Projects Program grant application to the PA DCED CFA Programs Division on December 13, 2019. The application was in support of the construction of drainage improvements in the Springford Manor development and areas surrounding Byron Avenue. The total estimated project cost used in the application was $1,948,136.50 ($1,298,757 – grant request; $649,379.50 – required Township match).

- ✓ It is anticipated that funding decisions and an announcement on allocation of funds will be made by PA DCED around May 2020.

7. *2020 Lower Paxton Township Drainage Improvements – Design; {HRG #R000184.0544 PH 3}*
   - ✓ On December 17, 2019, the Township executed the Confirmation of Assignment (COA) authorizing HRG to commence design efforts on the drainage improvements for the Springford Manor development and areas surrounding Byron Avenue.
   - ✓ Field survey is currently underway and on-going for the project ahead of base mapping and design.

E. <u>Construction Project Status:</u>

1. *2018 Lower Paxton Township Drainage Improvements {HRG #R000184.0530}*
   - ✓ Construction is complete and final payment to the Contractor was approved on February 5, 2019. Contract closeout documents were delivered to the Township.
   - ✓ A project walk-through with staff from the Township, HRG, and Contractor was performed on May 6, 2019 to identify any items needing attention in accordance with the contract requirements associated with the one-year correction period. A list was generated, and all of the items were completed.
   - ✓ Likewise, during the walk-through on May 6, 2019, the property owner at 100 Koch Lane made HRG and Township staff aware of wet conditions in her yard that appear to be an unintended consequence of the installed drainage improvements. At the direction of Township staff, HRG developed a construction plan to mitigate the issue and provided it to Township staff on June 20, 2019 for implementation.

2. *2019 Lower Paxton Township Drainage Improvements {HRG #R000184.0535}*
   - ✓ The Forest Hills and Goose Valley Road – Colonial Club Drive project areas were inspected by the Contractor (Greenland Construction, Inc.), HRG, and LPT staff on November 5, 2019, and it was determined that the work was substantially complete. A punchlist was developed and the Certificate of Substantial Completion was issued following the inspection.
   - ✓ Final acceptance and payment will be deferred until Spring 2020 due to vegetation in the Goose Valley Rd. – Colonial Club Dr. area needing to be established.

3. *BC 2A-C, 5B Construction Phase Services {HRG #R000184.0537}*
   - ✓ HRG has been tasked by LPTA to provide construction contract administration and construction observation for work related to storm sewer installation and paving operations for the BC 2A-C, 5B project.
   - ✓ Bids were opened on May 24, 2019 and are currently being reviewed by LPTA, HRG, and GHD with a recommendation of award expected to be provided ahead of the June 4, 2019 Board of Supervisors Meeting. The apparent low bidder was Doli Construction Corp. with a bid in the amount of $16,933,333.25. The total project estimate was $19M, and the storm sewer portion of the estimate was $4.1M.
   - ✓ The Board of Supervisors awarded the project to Doli Construction Corp. at their August 7, 2019 meeting.
   - ✓ A pre-construction meeting was held on September 12, 2019.
   - ✓ Drainage infrastructure work has progressed along Willow Spring Road to near completion and commended on Nassau Road.
   - ✓ A job conference is scheduled for March 3, 2020 to discuss the Contractor's progress and upcoming schedule.
   - ✓ Contractual substantial completion – August 31, 2021; final completion – October 31, 2021

4. *LPTA Storage Facility Construction {HRG #R004807.0438}*
   - ✓ LPTA staff removed all of the unsuitable material that was previously placed at the building pad area and replaced it with compacted structural fill material. This process was overseen by Hillis-Carnes Geotechnical Consultants.

- ✓ Final drawings, solicitation documents, and technical specifications were advertised and the project was publically bid. Bids were opened on December 12, 2019. The lowest responsible bidders were:

Contract	Bidder	Bid Amount
2019-1(B) General Construction	Ebersole Excavating, Inc.	$241,221.00
Alternate Bid: 2019-1(B) General Construction	Ebersole Excavating, Inc.	$3,860.00
2019-1(E) Electrical	A.N. Lynch Co., Inc.	$66,500.00
2019-1(M) Heating, Ventilation, and Air Conditioning	CHM Contracting	$24,044.00
2019-1(P) Plumbing	Garden Spot Mechanical, Inc.	$22,000.00
	Project Total	**$357,625.00**

- ✓ Agreements, bonds, and insurance documents were obtained from all of the Contractors listed in the table above and the agreements were executed by the Township on January 16, 2020. Notice to proceed was issued on January 20, 2020.
- ✓ A pre-construction meeting with staff from HRG, LPTA, and each Contractor was held on February 6, 2020 and materials and equipment have been mobilized to the site. Transmittal and review of submittals is on-going.
- ✓ The substantial completion date for the project is April 17, 2020 with a final completion date of May 1, 2020. At the pre-construction meeting, Ebersole Excavating indicated that a project completion in mid-May is more realistic based on current projections. HRG nor LPTA staff took exception to this timeframe as long as the construction duration appeared to be reasonable on a forthcoming schedule.

F. <u>Miscellaneous Items:</u>

1. *Coordination on Known Private Property Related Drainage Issues {HRG #R004807.0436 PH 2}*
   - ✓ <u>Lakeside Marine</u> – On October 18, 2019, HRG, LPT, and LPTA staff visited Lakeside Marine at 21 Thornwood Road at the request of the property owner. The property owner explained that the large man-made lake has experienced significant deposition of sediment from stormwater runoff associated with upstream properties. The resident contacted LPTA staff again on January 16, 2020 to follow-up on the issue. HRG subsequently reached out to PADEP to determine if there would be a benefit to the Township related to sediment reduction requirements for Paxton Creek and potential permitting requirements. Communication with PADEP, HRG, and Township staff is on-going.
   - ✓ <u>Hidden Lake</u> – The Township received reports of the development of a sinkhole in the vicinity of a storm sewer manhole near 5838 Hidden Lake Drive in 2018. Several investigations of the system including limited closed circuit televising (CCTV) in May 2019, significant file and record document research, and a through field view in July 2019 occurred in an attempt to diagnose the issues with the system. Tim Nolt, P.E., Sewer Department Engineer developed a report, dated August 20, 2019, summarizing the results of these investigations and offered recommendations on the next steps to discern the source of the issue and develop a solution. As detailed in the report, CCTV efforts were unsuccessful in identifying the source of the issue due to the depth and submergence of the facilities. Accordingly, HRG has been soliciting for quotes from CCTV firms to use higher level equipment and processes to navigate the system.

2. *Stormwater Authority Budget & credit Policy Review {HRG #R000184.0545}*
   - ✓ At the request of LPTA staff at a meeting on October 18, 2019, HRG prepared a scope of work and budget for exploring a credit policy to be associated with the Stormwater Fee. The Confirmation of Assignment (COA) authorizing HRG to begin work on this effort was executed on December 18, 2019.

- ✓ Meetings with HRG and LPTA staff occurred on January 31, 2019 and February 7, 2020 to discuss various items related to the development of the credit policy and coordination efforts are on-going. Accordingly, a draft outline of the credit policy was prepared and will be presented to the Board by the Sewer Director at the February Board meeting.

3. *Dauphin County Regional Stormwater Feasibility Study*
   - ✓ The next Tri-County Regional Planning Commission (TCRPC) outreach meeting for municipal staff will be held on March 3, 2020 at 1:30pm to provide an update on the study progress and poll participants on desired long-term and short-term programming options.

4. *Stormwater Bond Drawdown Status*

Stormwater Management Bond Issue Status Summary					
		Estimated Drawdown Schedule			
Expense Status			Year		
Month/Year	Current Amount	Item Description	2020	2021	2022
Oct. 2019	$ 10,256,100.83	2019 LPT Drainage Improvements (Construction Only)	Expensed in full		
Nov. 2019	$ 9,758,332.14	BC 2A-C, 5B Storm Sewer Construction (No Paving)	In Progress	In Progress	Expensed in full
Dec. 2019	$ 9,414,530.82	BC 2A-C, 5B Paving Related to Storm Sewer	In Progress	In Progress	Expensed in full
Jan. 2020	$ 9,101,956.91	TMDL Projects	In Progress	In Progress	Under Contract
Feb. 2020	$ 9,079,594.68	Capital replacement of existing systems that are potential MS4 violations	In Progress	Under Contract	Under Contract
		TMDL & MS4 Compliance	In Progress	In Progress	Expensed in full
		2019 LPT Drainage CA/CO	Expensed in full		
		BC 2A-C, 5B CA/CO	In Progress	In Progress	Expensed in full
		GIS MS4 Mapping	In Progress	In Progress	Expensed in full
		BC 7 & 8 (Design Only)	In Progress	In Progress	Expensed in full
		TV Rig (32% of total cost)	Expensed in full		
		Pole Bldg. (32% of total cost)	Expensed in full		
		10% Contingency	In Progress	In Progress	Expensed in full

Notes & Definitions:
1. In Progress - design and/or construction are underway and have been previously authorized
2. Under Contract - executed contract with a future completion date established to be in place
3. Expensed in full - all efforts resulting in expeditures associated with item to be complete during term

☐ Attachments – None

Signed by: Jason R. Hinz, P.E. Date: 2/25/20

Copies: ☒ Weaver-LPTA ☒ Allen-LPT ☒ Hinz-HRG ☒ Kenworthy-HRG ☒ Bonanno-HRG ☒ Kline - LPT ☒ File

Wix, Wenger & Weidner
ATTORNEYS AT LAW
CLIENT CENTRIC. SOLUTION DRIVEN.

Reply to: Stephen J. Dzuranin, Esquire

sdzuranin@wwwpalaw.com

508 N. Second Street
P.O. Box 845
Harrisburg, Pennsylvania 17108-0845
P: 717-234-4182 | F: 717-234-4224
www.wwwpalaw.com

January 21, 2020

Lower Paxton Township Authority
425 Prince Street,
Harrisburg, PA 17109

Re: Four Seasons Homeowners Association
Our File No.: 2975-16321

Dear Authority:

This office represents the Four Seasons Homeowners Association (the "Association"), which is responsible for the operation of the planned residential community known as Four Seasons located off of Union Deposit Road in Lower Paxton Township. For reasons we cannot determine, when the community was first built, the sanitary sewer lines were not offered for dedication to the Township Authority, which has been a common practice with residential developments over the past decades. Instead, the lines were transferred to the Association in conjunction with the transfer of common areas for the community.

In the middle of 2019, the Board of the Association determined that it would be in everyone's best interest for the Lower Paxton Township Authority ("LPTA") to take over operation of the main portions of the sewer line in the Four Seasons Community. Based on a review of relevant maps, the Association Board believed that the lines served not only the Four Seasons community, but the neighboring residential communities of Twelve Trees and Fox Knoll. In response to a letter from the Association dated July 9, 2019, LPTA staff visited the site to locate the main lines and then determined it could not support the request "due to all of the structures built over the proposed sewer easement." As a result, the Association withdrew its request so it could further investigate. The matter was scheduled to be considered by LPTA at its November, 2019 meeting; but the Association rescinded the request in order to further discuss the concerns of LPTA staff before proceeding.

Upon review of the photos provided by LPTA staff, and its own on-site investigation, the Board determined that there were no (or minimum) structures that would interfere with providing LPTA with a clear easement for maintaining the sewer lines. This conclusion was subsequently shared and discussed with the LPTA Sewer Director and Solicitor, resulting in

a determination that LPTA staff may be able to support the request if staff could verify the integrity of the sewer lines and address some other concerns.

Therefore, the Association respectfully requests that LPTA undertake an initial investigation of the integrity of these sewer lines to confirm that they are in good working order and with the goal of accepting dedication of the lines and appropriate easements necessary to include the lines as an integral part of the overall sanitary sewer system within the Township. We understand that the investigation will include, but not necessarily be limited to video scoping of the lines and suggest this is a reasonable expense of the LPTA.

Please add this matter to the LPTA agenda for your February 25, 2020 meeting, at which representatives of the Association will be available to discuss and respond to questions.

Thank you.

Sincerely,

WIX, WENGER & WEIDNER

By:
Stephen J. Dzuranin

cc. Four Seasons Homeowners Association
William R. Weaver, Sewer Department Director
Steven A. Stine, Esquire

602 Drexel Rd
Harrisburg PA 17109
717.652.1272

28 January 2020

RECEIVED
JAN 29 2020
LOWER PAXTON
TOWNSHIP AUTHORITY

William Weaver, Sewer Director
Lower Paxton Township Authority
425 Prince St, Suite 139
Harrisburg PA 17109-3020

Re: Damaged Sewer Pipe
602 Drexel Rd

Dear Director Weaver:

Devon Manor had the sewers updated in 2004, but the pipe from my house to the curb was not replaced. On January 16, 2020, I had extensive work done by Pronto Plumbing and Rooter Company due to drainage problems. At that time, the plumber explained that the pipe from the house to the curb was damaged.

On January 17, 2020, I called Lower Paxton Township Authority to inquire as to why the pipe had not been replaced when the sewer work was done in 2004. I was told to write a letter and the issue would be addressed at the next township meeting.

Attached is a copy of the bill with a description of the work completed by Pronto Plumbing and Rooter Company. Thank you in advance for any assistance you can give me.

Respectfully,

Ruth Ondeck

Ruth Ondeck
Home Owner and Resident

Attachment

Pronto Plumbing & Rooter
1111 Primrose Ave, Camp Hill, Pennsylvania
17011 United States
(717) 737-8100

Project 56
Invoice Date 1/17/2020
Completed Date 1/16/2020
Customer PO

Billing Address
RUTH ONDECK
602 DREXEL ROAD #XST: COLONIAL PARK/DEVONSHIRE ROAD
HARRISBURG (L PAXTON, PA 17109

Job Address
RUTH ONDECK
602 DREXEL ROAD #XST: COLONIAL
PARK/DEVONSHIRE ROAD
HARRISBURG (L PAXTON, PA 17109

Description of Work

Excavated from home to sidewalk to gain access to cast iron sewer line; replaced cast iron line with township required pvc pipe; PA1 call, permit(s), stone bedding for pipe resting area included; Lifetime warranty with maintained membership; in the event the home is sold, there is a 10 year transferable warranty for new home owners. Also included is a hydro jetting of Sewer line to flush and clear waste and debris including laundry line; any additional landscaping beyond standard backfill would be responsibility of customer; installed new 20 feet section of water line, including new shut off for entire house inside; tested to confirm all working properly

Task #	Description	Quantity	Your Price	Your Total
EXC202	Level 2 Excavation and line replacement from the house to the curb--	1.00	$6,949.80	$6,949.80
	• Pa One Call • Excavate from the house to sidewalk to access and expose the main drain pipe • replace the pipe using PVC pipe • support pipe with stone • back-fill to rough grade			
DC030	Drain Jetting Service--Level 1	1.00	$503.10	$503.10
Monthly SPP	Monthly SPP Billing	1.00	$9.00	$9.00
RDP	YOU CAN USE UP TO 50% OF TOTAL INVOICE	1560.00	$-1.00	$-1,560.00
WPR031	Ball vavle 3/4" replacement	1.00	$209.17	$209.17
WATEREX1	Excavate to repair water line - spot repair	1.00	$1,234.00	$1,234.00
	• Pa one Call • Excavate area where we believe leak is at and expose pipe. • Note: some times leaks will appear one spot and the pipe actually leaks in a totally different spot • cut out bad section of pipe • using Ford Fittings and a piece of new pipe, repair pipe.			

Paid On	Type	Memo	Amount
1/16/2020	FINANCE CO	synchrony 5901.90 0 percent 18 mos	$5,901.90
1/17/2020	FINANCE CO	Auth # 017922 for $7345.07	$1,443.17

Member Savings	$989.46
Sub-Total	$7,345.07
Tax	$0.00
Total Due	$7,345.07
Payment	$7,345.07
Balance Due	$0.00

Thank you for choosing Pronto Plumbing & Rooter!

This invoice is agreed and acknowledged. Payment is due upon receipt. A service fee will be charged for any returned checks, and a financing charge of 1% per month shall be applied for overdue amounts.

Ruth Ondeck

I find and agree that all work performed by Pronto Plumbing & Rooter has been completed in a satisfactory and workmanlike manner. I

William Weaver

From: Jennifer Logan [redacted]
Sent: Tuesday, February 18, 2020 4:16 PM
To: Mark DiSanto; William Weaver
Cc: Nic DiSanto; Chris Disanto
Subject: RE: Blue Ridge Village and Stray Winds Farm Billing
Attachments: BRVI Escrow fees.pdf

*** This is an external email. Please use caution when clicking on links and downloading attachments ***

Mr. Weaver:

Upon reviewing the invoices for Blue Ridge I have confirmed that the administrative fee being charged is 15%. As discussed with Mark, please present this to the board for consideration to adjust to a more reasonable amount or possibly a per hour billing rate for administrative time.

We are also in need of back-up for the initial previous period costs referenced on this statement in the amount of $359.95 (see attached).

Please follow up with Mark for any additional clarification on the above.

Thank you,

Jennifer Logan
CST Senior Accountant

Triple Crown Corporation
5351 Jaycee Avenue
Harrisburg, PA 17112
[redacted]
www.triplecrowncorp.com

THIS EMAIL AND ITS ATTACHMENTS ARE INTEDED ONLY FOR THE USE OF THE INDIVIDUAL OR ENTITY WHO IS THE INTENDED RECIPIENT AND MAY CONTAIN INFORMATION THAT IS PRIVILEGED, CONFIDENTIAL AND EXEMPT FROM DISCLOSURE OR ANY TYPE OF USE UNDER APPLICABLE LAW.

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IF YOU HAVE RECEIVED THIS EMAIL IN ERROR, PLEASE RESPOND IMMEDIATELY TO THE SENDER AND DELETE ALL COPIES.

From: Mark DiSanto
Sent: Tuesday, February 18, 2020 3:14 PM
To: BILL WEAVER - LOWER PAXTON TWP <wweaver@lowerpaxton-pa.gov>
Cc: Jennifer Logan [redacted]; Nic DiSanto [redacted]; Chris Disanto

[redacted]
Subject: Blue Ridge Village and Stray Winds Farm Billing

HI Bill

As discussed Jennifer Logan from or office will send you a follow-up email on the administrative costs on the above billing. Thanks for taking the time to discuss.

Mark DiSanto | CEO
Triple Crown Corporation, Inc.
5351 Jaycee Avenue | Harrisburg, PA 17112
[redacted]
Facebook | Twitter | Triplecrowncorp.com | LinkedIN

"Providing Excellence in Real Estate Services"

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IF YOU HAVE RECEIVED THIS EMAIL IN ERROR, PLEASE RESPOND IMMEDIATELY TO THE SENDER AND DELETE ALL COPIES.

LOWER PAXTON TOWNSHIP AUTHORITY
Dauphin County, Pennsylvania

RESOLUTION **20-01-01**

WHEREAS, the Lower Paxton Township Authority (the "Authority") is a municipality authority, existing under the Municipality Authorities Act, as amended; and

WHEREAS, the Authority is required to replace portions of the sanitary sewer system, including private sewers, as part of a Corrective Action Plan (CAP) with the Pennsylvania Department of Environmental Protection (PADEP); and

WHEREAS, it is necessary to acquire a temporary construction easement for purposes of the replacement of the private sanitary sewer line on the property now owned or formerly owned by **Michelle R. Manili & David J. Nanovic at 1150 Balthaser Street; and**

WHEREAS, in order to ensure compliance with the CAP with the PADEP, it has been deemed to be in the public interest for the Authority to acquire, by purchase or eminent domain proceedings, a temporary construction easement in such lands as the Authority deems necessary for continued effective sanitary sewer service; and

WHEREAS, the Board of the Authority, upon the recommendation of its Manager and the advice of its engineer and other advisors, has selected temporary construction easement to be acquired, all as more fully described on Exhibit "A" hereto, as attached and to be acquired for the purposes of providing an improved private sanitary sewer line.

NOW THEREFORE, the Authority hereby adopts the following resolution:

1. The Chairman, Secretary and other such officers as they may designate, through the Solicitor of the Authority and with the assistance of such other advisors as the Manager deems appropriate, shall contact the owner thereof and negotiate the acquisition of the temporary construction easement described in Exhibit "A" on terms and conditions deemed advantageous to the Authority in light of the public objectives of the Authority and the necessity to acquire the temporary construction easement as soon as possible, and to settle on the acquisition of, make proper compensation and full payment for and secure the temporary construction easement in order to complete the sanitary sewer construction project.

2. The proper officers of the Authority are hereby authorized and directed to do all things necessary and desirable to implement the above action by the Authority, including the fixing of the fair market value for the temporary construction easement, making an offer to acquire the easement by agreement and to order the preparation and execution of any and all such documentation necessary to accomplish this acquisition.

3. In the event that the Authority cannot expeditiously agree on terms of the acquisition of the temporary construction easement with the owners of the property in question, then the Chairman and Secretary, with the assistance of the Solicitor and such engineering and other assistance as is deemed appropriate by the officers of the Authority, are hereby authorized and directed to take the temporary construction easement by exercise of the eminent domain power of the Authority for sanitary sewer purposes under the Municipality Authorities Act, as amended and supplemented from time to time and under the Eminent Domain Code, as amended and supplemented from time to time.

4. Proper officers of the Authority are authorized and directed to execute, file and deliver such documents and to do such other things as may be necessary to carry out the intent and purpose of this Resolution, including, but not limited to a Declaration of Taking.

5. This Resolution shall become effective immediately.

6. In the event any provision, section, sentence, clause or part of this Resolution shall be held invalid, such invalidity shall not affect or impair the remaining provisions, sections, sentences, clauses or parts of this Resolution, it being the intent of the Township that such remainder shall be and shall remain in full force and effect.

DULY ADOPTED as Resolution **20-01-01 this 25th day of February 2020 by** the Board of the Lower Paxton Township Authority.

ATTEST: LOWER PAXTON TOWNSHIP AUTHORITY

_____ By: _____

Secretary Chairman

CERTIFICATE

I, the undersigned, Secretary of the Lower Paxton Township Authority (the "Authority"), certify that the foregoing Resolution was adopted by a majority of the entire Board of the Authority at a meeting duly convened according to law and held on September 17, 2019, at which meeting a quorum was present; said Resolution was adopted by an aye or nay vote; said Resolution and the vote thereon showing how each member voted have been recorded in the minutes of said Board; and said Resolution remains in effect, unaltered and unamended as of the date of this Certificate.

IN WITNESS WHEREOF, I set my hand and official seal of the Authority, this 17th day of September 2019.

_____

Chris Judd, Assistant Secretary

(SEAL)

LOWER PAXTON TOWNSHIP AUTHORITY
Dauphin County, Pennsylvania

RESOLUTION **20-01-02**

WHEREAS, the Lower Paxton Township Authority (the "Authority") is a municipality authority, existing under the Municipality Authorities Act, as amended; and

WHEREAS, the Authority is required to replace portions of the sanitary sewer system, including private sewers, as part of a Corrective Action Plan (CAP) with the Pennsylvania Department of Environmental Protection (PADEP); and

WHEREAS, it is necessary to acquire a temporary construction easement for purposes of the replacement of the private sanitary sewer line on the property now owned or formerly owned by **Benjamin Dale Sailors, Jr. at 6116 Catherine Street; and**

WHEREAS, in order to ensure compliance with the CAP with the PADEP, it has been deemed to be in the public interest for the Authority to acquire, by purchase or eminent domain proceedings, a temporary construction easement in such lands as the Authority deems necessary for continued effective sanitary sewer service; and

WHEREAS, the Board of the Authority, upon the recommendation of its Manager and the advice of its engineer and other advisors, has selected temporary construction easement to be acquired, all as more fully described on Exhibit "A" hereto, as attached and to be acquired for the purposes of providing an improved private sanitary sewer line.

NOW THEREFORE, the Authority hereby adopts the following resolution:

1. The Chairman, Secretary and other such officers as they may designate, through the Solicitor of the Authority and with the assistance of such other advisors as the Manager deems appropriate, shall contact the owner thereof and negotiate the acquisition of the temporary construction easement described in Exhibit "A" on terms and conditions deemed advantageous to the Authority in light of the public objectives of the Authority and the necessity to acquire the temporary construction easement as soon as possible, and to settle on the acquisition of, make proper compensation and full payment for and secure the temporary construction easement in order to complete the sanitary sewer construction project.

2. The proper officers of the Authority are hereby authorized and directed to do all things necessary and desirable to implement the above action by the Authority, including the fixing of the fair market value for the temporary construction easement, making an offer to acquire the easement by agreement and to order the preparation and execution of any and all such documentation necessary to accomplish this acquisition.

3. In the event that the Authority cannot expeditiously agree on terms of the acquisition of the temporary construction easement with the owners of the property in question, then the Chairman and Secretary, with the assistance of the Solicitor and such engineering and other assistance as is deemed appropriate by the officers of the Authority, are hereby authorized and directed to take the temporary construction easement by exercise of the eminent domain power of the Authority for sanitary sewer purposes under the Municipality Authorities Act, as amended and supplemented from time to time and under the Eminent Domain Code, as amended and supplemented from time to time.

4. Proper officers of the Authority are authorized and directed to execute, file and deliver such documents and to do such other things as may be necessary to carry out the intent and purpose of this Resolution, including, but not limited to a Declaration of Taking.

5. This Resolution shall become effective immediately.

6. In the event any provision, section, sentence, clause or part of this Resolution shall be held invalid, such invalidity shall not affect or impair the remaining provisions, sections, sentences, clauses or parts of this Resolution, it being the intent of the Township that such remainder shall be and shall remain in full force and effect.

DULY ADOPTED as Resolution **20-01-02 this 25th day of February 2020 by** the Board of the Lower Paxton Township Authority.

ATTEST: LOWER PAXTON TOWNSHIP AUTHORITY

_____ By: _____

Secretary Chairman

CERTIFICATE

I, the undersigned, Secretary of the Lower Paxton Township Authority (the "Authority"), certify that the foregoing Resolution was adopted by a majority of the entire Board of the Authority at a meeting duly convened according to law and held on September 17, 2019, at which meeting a quorum was present; said Resolution was adopted by an aye or nay vote; said Resolution and the vote thereon showing how each member voted have been recorded in the minutes of said Board; and said Resolution remains in effect, unaltered and unamended as of the date of this Certificate.

IN WITNESS WHEREOF, I set my hand and official seal of the Authority, this 17th day of September 2019.

_____

Chris Judd, Assistant Secretary

(SEAL)

LOWER PAXTON TOWNSHIP AUTHORITY
Dauphin County, Pennsylvania

RESOLUTION **20-01-03**

WHEREAS, the Lower Paxton Township Authority (the "Authority") is a municipality authority, existing under the Municipality Authorities Act, as amended; and

WHEREAS, the Authority is required to replace portions of the sanitary sewer system, including private sewers, as part of a Corrective Action Plan (CAP) with the Pennsylvania Department of Environmental Protection (PADEP); and

WHEREAS, it is necessary to acquire a temporary construction easement for purposes of the replacement of the private sanitary sewer line on the property now owned or formerly owned by **Rodrigo F. Ruiz-Tagle at 6821 Wesley Drive; and**

WHEREAS, in order to ensure compliance with the CAP with the PADEP, it has been deemed to be in the public interest for the Authority to acquire, by purchase or eminent domain proceedings, a temporary construction easement in such lands as the Authority deems necessary for continued effective sanitary sewer service; and

WHEREAS, the Board of the Authority, upon the recommendation of its Manager and the advice of its engineer and other advisors, has selected temporary construction easement to be acquired, all as more fully described on Exhibit "A" hereto, as attached and to be acquired for the purposes of providing an improved private sanitary sewer line.

NOW THEREFORE, the Authority hereby adopts the following resolution:

1. The Chairman, Secretary and other such officers as they may designate, through the Solicitor of the Authority and with the assistance of such other advisors as the Manager deems appropriate, shall contact the owner thereof and negotiate the acquisition of the temporary construction easement described in Exhibit "A" on terms and conditions deemed advantageous to the Authority in light of the public objectives of the Authority and the necessity to acquire the temporary construction easement as soon as possible, and to settle on the acquisition of, make proper compensation and full payment for and secure the temporary construction easement in order to complete the sanitary sewer construction project.

2. The proper officers of the Authority are hereby authorized and directed to do all things necessary and desirable to implement the above action by the Authority, including the fixing of the fair market value for the temporary construction easement, making an offer to acquire the easement by agreement and to order the preparation and execution of any and all such documentation necessary to accomplish this acquisition.

3. In the event that the Authority cannot expeditiously agree on terms of the acquisition of the temporary construction easement with the owners of the property in question, then the Chairman and Secretary, with the assistance of the Solicitor and such engineering and other assistance as is deemed appropriate by the officers of the Authority, are hereby authorized and directed to take the temporary construction easement by exercise of the eminent domain power of the Authority for sanitary sewer purposes under the Municipality Authorities Act, as amended and supplemented from time to time and under the Eminent Domain Code, as amended and supplemented from time to time.

4. Proper officers of the Authority are authorized and directed to execute, file and deliver such documents and to do such other things as may be necessary to carry out the intent and purpose of this Resolution, including, but not limited to a Declaration of Taking.

5. This Resolution shall become effective immediately.

6. In the event any provision, section, sentence, clause or part of this Resolution shall be held invalid, such invalidity shall not affect or impair the remaining provisions, sections, sentences, clauses or parts of this Resolution, it being the intent of the Township that such remainder shall be and shall remain in full force and effect.

DULY ADOPTED as Resolution **20-01-03 this 25th day of February 2020 by** the Board of the Lower Paxton Township Authority.

ATTEST: LOWER PAXTON TOWNSHIP AUTHORITY

_____ By: _____

Secretary Chairman

CERTIFICATE

I, the undersigned, Secretary of the Lower Paxton Township Authority (the "Authority"), certify that the foregoing Resolution was adopted by a majority of the entire Board of the Authority at a meeting duly convened according to law and held on September 17, 2019, at which meeting a quorum was present; said Resolution was adopted by an aye or nay vote; said Resolution and the vote thereon showing how each member voted have been recorded in the minutes of said Board; and said Resolution remains in effect, unaltered and unamended as of the date of this Certificate.

IN WITNESS WHEREOF, I set my hand and official seal of the Authority, this 17th day of September 2019.

_____

Chris Judd, Assistant Secretary

(SEAL)

Memorandum

February 14, 2020

To:	William Weaver	Ref. No.:	8616025
From:	Melissa Smith	Tel:	717-541-0622
CC:	File		
Subject:	**Developer Installed Sewers to be Dedicated to the Authority**		

The following developer installed sanitary sewers are currently offered to the Authority for dedication:

- Autumn Oaks – Phases 2 and 3
- Amber Fields Phase 7
- Stray Winds Farm, Phases 5A and 5B*
- Shadebrook Phase 1, 2 and 3*

*To be approved. Conditional upon review and approval of documentation by the Engineer and Solicitor.

A copy of the Autumn Oaks Phase 2 and 3 documents are attached.

GHD
5551 Corporate Boulevard Suite 300 Baton Rouge Louisiana 70808 USA
T 225 927 4249 **F** 225 925 2897 **W** www.ghd.com

RESOLUTION 20-02

A RESOLUTION OF LOWER PAXTON TOWNSHIP AUTHORITY ESTABLSIHING THE DEVELOPER INSTALLED SEWER FEE SCHEDULE THIS RESOLUTION SHALL BECOME EFFECTIVE ON FEBRUARY 26, 2020.

WHEREAS, Lower Paxton Township Authority (the "Authority") is a body politic and corporation organized and existing under the provisions of the Municipality Authority Act of 1945, as amended (the "MAA") 53 P.S. Section 301, et seq.; and,

WHEREAS, Authority owns a complete sanitary sewage collection and transportation system, including all related and necessary facilities (the "Sewer System") for rendering sewage service in and for certain portions of the Township of Lower Paxton, Dauphin County, Pennsylvania; and

WHEREAS, The MAA provides that the Developer may be required to deposit with the Authority, in advance of sewer construction, the Authority's estimated reasonable and necessary cost of reviewing plans, construction inspections, administrative, legal and engineering services associated with Developer Installed Sewer Extensions; and

WHEREAS, the Authority adopted by motion at its meeting on October 14, 1996 the Profession Services Contract, and the Sewer Extension Agreement (the Agreement) to be utilized for all Developer Installed Sewer Extensions which also included the provisions for the estimated reasonable and necessary costs to be deposited with the Authority; and

WHEREAS, the Authority desires to establish by Resolution the Authority's reasonable and necessary fees for reviewing plans, construction inspections, administrative, legal and engineering services associated with Developer Installed Sewers; and

WHEREAS, the Authority fees and charges for services, as indicated in the listing attached hereto and made a part hereof, shall be known as the Developer Installed Sewer Fee Schedule.

NOW THEREFORE, the Board of Lower Paxton Township Authority hereby resolves that the Authority Developer Installed Sewer Fee Schedule, as indicated in the listing attached hereto and made a part hereof, shall be effective February 26, 2020.

RESOLVED this 25th day of February 2020.

ATTEST: LOWER PAXTON TOWNSHIP AUTHORITY

_____ _____

Secretary Chairman

(SEAL)

Listing – Lower Paxton Township Authority Developer Installed Sewer Fee Schedule as established by Resolution 20-02

Engineer Plan Review Fees
See attached GHD 2020 Fees Schedule

Solicitor Plan Review Fees
See attached Law office of Steve Stine 2020 hourly rate at $190.00/hr plus costs

GHD Construction Inspection Fees
See attached GHD Resident Project Representative Services Hourly Rates for 2020

Lower Paxton Township Construction Inspection Fees
See attached Lower Paxton Township 2020 Hourly Cost of an inspector at $63.66/hr

Administrative Fee
Administrative fee shall be a one-time flat rate fee of $250 to be deposited in advance with the initial construction escrow deposit

2020 Fee Schedule
Harrisburg, PA

Fees for engineering services rendered on a cost-plus basis are based on payroll costs plus an allowance for overhead and profit. Payroll costs are equal to direct salary charges plus payroll taxes and employee benefits. Expenses for subcontractors and other out-of-pocket expenses incurred in the performance of engineering assignments are billed at cost plus ten percent. Mileage is billed at the Federal IRS mileage reimbursement rate in effect at the time of the charge (currently $0.58 per mile).

The 2020 hourly rates for engineering services (including employee benefits, overhead and profit) are as follows:

TEAM MEMBERS FOR LPTA

Classification (1)	2020 Rates
Administrative Support	$65/hr
Project Coordinator	$70/hr
Draft/Cadd B	$80/hr
Technician B	$90/hr
Technician D	$110/hr
Scientist A	$90/hr
Scientist C	$105/hr
Engineer A	$105/hr
Engineer B	$115/hr
Engineer C	$125/hr
Engineer E	$160/hr
Associate	$165/hr
Principal	$175/hr

Note: (1) Not all GHD classifications are shown.

GHD
1240 North Mountain Road Harrisburg Pennsylvania 17112 USA
T 717 541 0622 **F** 717 541 8004 **W** www.ghd.com

REGISTERED COMPANY FOR
ISO 9001
ENGINEERING DESIGN

23 Waverly Drive
Hummelstown, PA 17036

Law Office
of
Steven A. Stine

phone: 717.903.1268
fax: 717.583.2943
email: stevestine@att.net

September 17, 2019

Bradley Gotshall, Township Manager
Lower Paxton Township
425 Prince Street
Harrisburg, PA 17109

Re: 2020 Budget Preparation – LPT/LPTA

Dear Brad:

Effective January 1, 2020, my fees for general representation will be $190.00 per hour and my fees for litigation matters will be $210.00 per hour.

If you have any questions or need further information, please contact me.

Sincerely,

Steven A. Stine

RECEIVED
SEP 18 REC'D
LOWER PAXTON TWP.

November 25, 2019 Reference No. 8616494

William R. Weaver, Sewer Department Director
Lower Paxton Township
425 Prince Street
Harrisburg, PA 17112

Dear Bill:

RE: Full-Time GHD Resident Project Representative Services for 2020

Per your request on November 21, 2019, we have prepared a list of all of our employees that could potentially perform resident project representative (RPR) services for the Township in 2020 and their fully loaded rates and discounted rates:

Employee	2020 Fully Loaded Rate	2020 Discounted Rate
Mark Schoemann	$86/hr	$77/hr
Tom Dixon	$89/hr	$83/hr
Ben Kocher	$72/hr	$67/hr
Tim Flegal	$80/hr	$72/hr
Sam Watson	$80/hr	$72/hr
Mitch Collins	$95/hr	N/A
Mike Krieger	$103/hr	N/A

Please note that we show only the discounted rates for those GHD employees who are RPRs and could potentially be assigned to Lower Paxton full time, if the need arises and they are available. The junior engineering/technical staff would not be available to Lower Paxton on a full time basis and no discount can be offered. They would be available to observe sanitary sewer installation on developer jobs, as they have recently for Blue Ridge Village. In addition, Mark Schoemann is currently scheduled to observe the BC-2 project full-time at the discounted rate, as discussed in our November 18, 2019 letter.

If you have any questions or desire additional information, please do not hesitate to contact us.

Sincerely,
GHD

Kevin B. Shannon, PE
Project Manager

Melissa Tomich Smith, PE
Project Engineer

Encl.
cc: Mr. Bradley Gotshall, Township Manager

GHD
1240 North Mountain Road Harrisburg Pennsylvania 17112 USA
T 717 541 0622 **F** 717 541 8004 **W** www.ghd.com

REGISTERED COMPANY FOR ISO 9001 ENGINEERING DESIGN

Lower Paxton Township
2020 Sewer Department
Hourly Cost of an Inspector

Components of Compensation	Hourly Rate
Hourly Wage (hourly rate of Inspector)	$31.77
FICA (employer's share 7.65%)	$2.43
Pension (18.6676% of compensation)	$5.93
Health Insurance ($33,945/yr. family)	$16.32
Leave Benefits (est. of average - 15 vacation, 10 1/2 holidays, 4 personal, 7 sick)	$4.46
Life Insurance (.18/$1,000 compensation) per month	$0.006
Long Term Disability (.255/$100 of compensation) per month	$0.08
Workers Compensation (5.01 per $100) x 1.670 experience	$2.66
TOTAL	**$63.66**

RESOLUTION 20-03

A RESOLUTION OF LOWER PAXTON TOWNSHIP AUTHORITY AUTHORIZING THE SEWER DEPARTMENT DIRECTOR TO EXCECUTE DEVELOPER AGREEMENTS AND FINANCIAL SECURITY AGREEMENTS ASSOCIATED WITH DEVELOPER INSTALLED SEWER PROJECTS IN ACCORDANCE WITH THE MUNICIPALITY AUTHORITIES ACT, AS AMENDEND

WHEREAS, Lower Paxton Township Authority (the "Authority") is a body politic and corporation organized and existing under the provisions of the Municipality Authorities Act of 1945, as amended (the "MAA") 53 P.S. Section 301, et seq.; and,

WHEREAS, Authority owns a complete sanitary sewage collection and transportation system, including all related and necessary facilities (the "Sewer System") for rendering sewage service in and for certain portions of the Township of Lower Paxton, Dauphin County, Pennsylvania; and

WHEREAS, the MAA provides that the Authority may require the posting of financial security to ensure the completion of Developer installed sewer extensions equal to 110% of the cost of the required improvements; and

WHEREAS, the MAA further provides that if financial security is required by the Authority and without limitation as to other types of financial security, which approval shall not be unreasonably withheld, federally charted or Commonwealth-charted lending institution irrevocable letter of credit and restrictive or escrow accounts in these lending institutions shall be deemed acceptable financial security; and

WHERAS, the party posting the financial security may request the Authority to release, from time to time, portions of the financial security. Release requests shall be in writing addressed to the Authority and the Authority shall have 45 days to ascertain from the Authority Engineer, certified in writing, that the portion of the work has been completed in accordance with the approved plat; and

WHEREAS, the Authority adopted by motion at its meeting on October 14, 1996 the Sewer Extension Agreement and Financial Security Agreement, prepared by the Solicitor and Engineer, to be utilized for all Developer installed sewer extensions; and

WHEREAS, the Authority desires to authorize the Sewer Department Director to approve financial security agreements and developer agreements for developer installed sewer extensions, on its behalf, including the release requests, in accordance with the MAA and procedures established by the Authority.

NOW THEREFORE, the Board of Lower Paxton Township Authority hereby resolves that the Authority is hereby authorizing the Sewer Department Director to approve Financial Security Agreements and Developer Agreements for Developer installed sewer extensions, on its behalf, including the release requests, in accordance with the MAA and procedures established by the Authority.

.

RESOLVED this 25th day of February 2020.

ATTEST: `

LOWER PAXTON TOWNSHIP AUTHORITY

_____

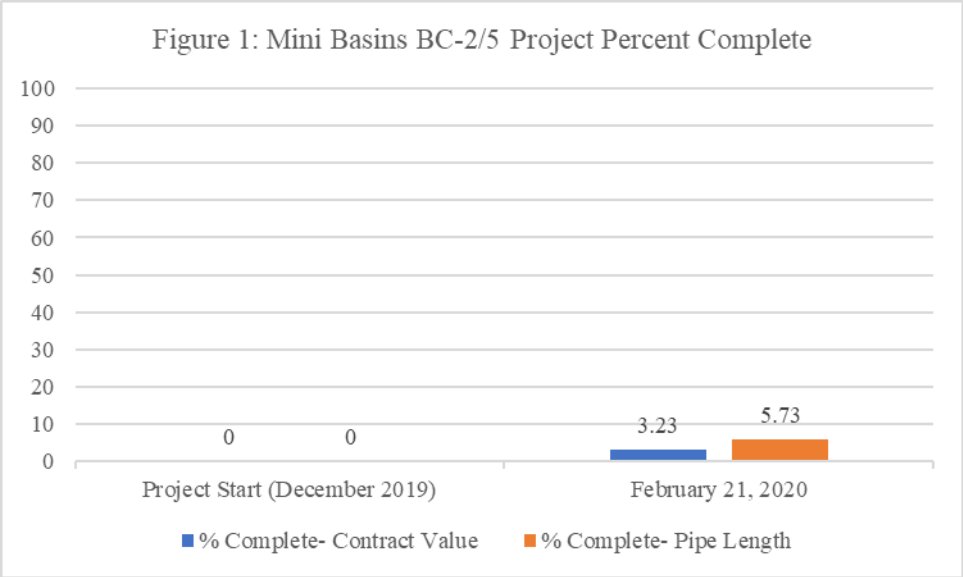
Secretary

_____

Chairman

(SEAL)

1. **Mini Basins BC-2A,2B,2C and 5B Sewer System Improvements Project**
   - **Project Location:** Eastern Linglestown Area- See map
   - **Contract Work:** *Sanitary*- 7.5 miles of mainline sewer, 190 manholes, 530 laterals. *Storm*- 2.0 miles of storm sewer, 125 drainage structures.
   - **Contractor:** DOLI Construction Corporation
   - **Contract Value:** $16,933,333.25
   - **Amount Paid to Date:** $546,123.15
   - **Substantial Completion Date:** August 31, 2021
   - **Final Completion Date:** October 31, 2021
   - **Approximate Percent Complete:** See Figure 1 below.
   - **Project Status:** Contractor is working on Nassau Road. As of February 21, they have installed approximately 2,500 linear feet of sanitary sewer and 200 linear feet of storm sewer on the project. Sequence of work is available for public review at Project Status Map.



No.	Issue	Drawn	Approved	Date
0	CONSTRUCTION DRAWINGS	SDM	KBS	8-20-19

NOTE:
ALL MAINLINE PIPE NOT SHOWN WITH PIPE SIZE IS ASSUMED TO BE 8".

- COMPLETE
- UNABLE TO EXCAVATE; WILL LINE FROM MH to HOUSE
- DOLT CONSTR. REPAIR

Bar is one inch on original size sheet
0 1"

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COMMONWEALTH OF PENNSYLVANIA
REGISTERED PROFESSIONAL
KEVIN B. SHANNON
ENGINEER
No. 36830-E

GHD
GHD Inc.
1240 North Mountain Road
Harrisburg PA 17112 USA
T 1 717 541 0622 F 1 717 441 0161 W www.ghd.com

0 50 100 150 200'
SCALE 1"=100' AT ORIGINAL SIZE

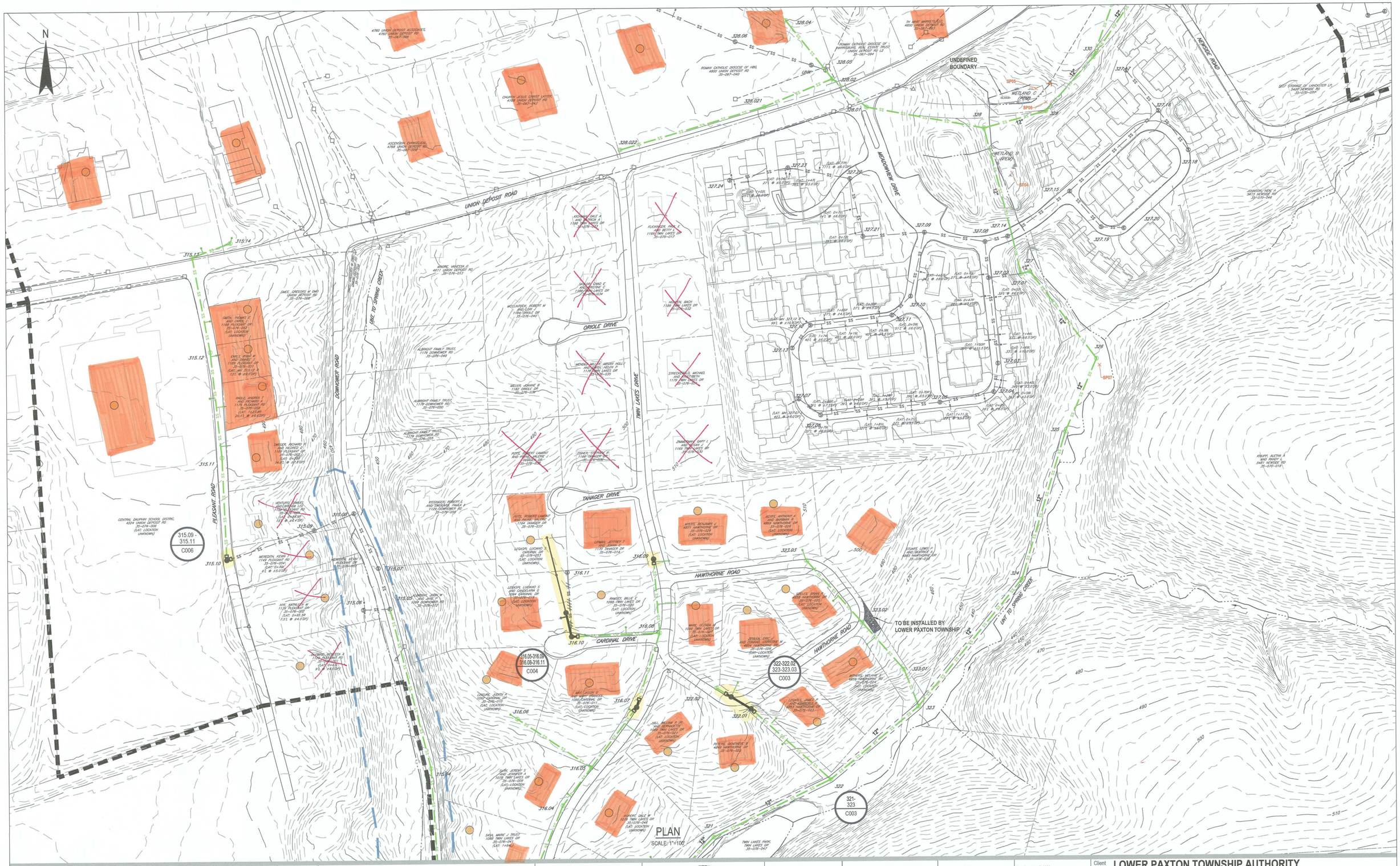
Drawn	JTS	Designer	BAW
Drafting Check	MAC	Design Check	KBS
Project Manager	KBS	Date	APRIL 2019
		Scale	AS SHOWN

This document shall not be used for construction unless signed and sealed for construction.

Client: LOWER PAXTON TOWNSHIP AUTHORITY
Project: SC-2B SANITARY SEWER REPAIRS
Title: LOCATION PLAN

Project No. 11151870
Original Size: Arch D
Sheet No. LP001
Sheet 4 of 18

Plot Date: 22 August 2019 - 10:49 AM
Plotted By: Jake Strobert
Filename: G:\111\11151870 LPTA Mini-Basin SC-2B\CADD\Drawings\Civil\11151870_KP.dwg



No.	Issue	Drawn	Approved	Date
0	CONSTRUCTION DRAWINGS	SDM	KBS	8-20-19

NOTE:
ALL MAINLINE PIPE NOT SHOWN WITH PIPE SIZE IS ASSUMED TO BE 8".
- COMPLETE
- DOLI CONSTR. REPAIR

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0 1"

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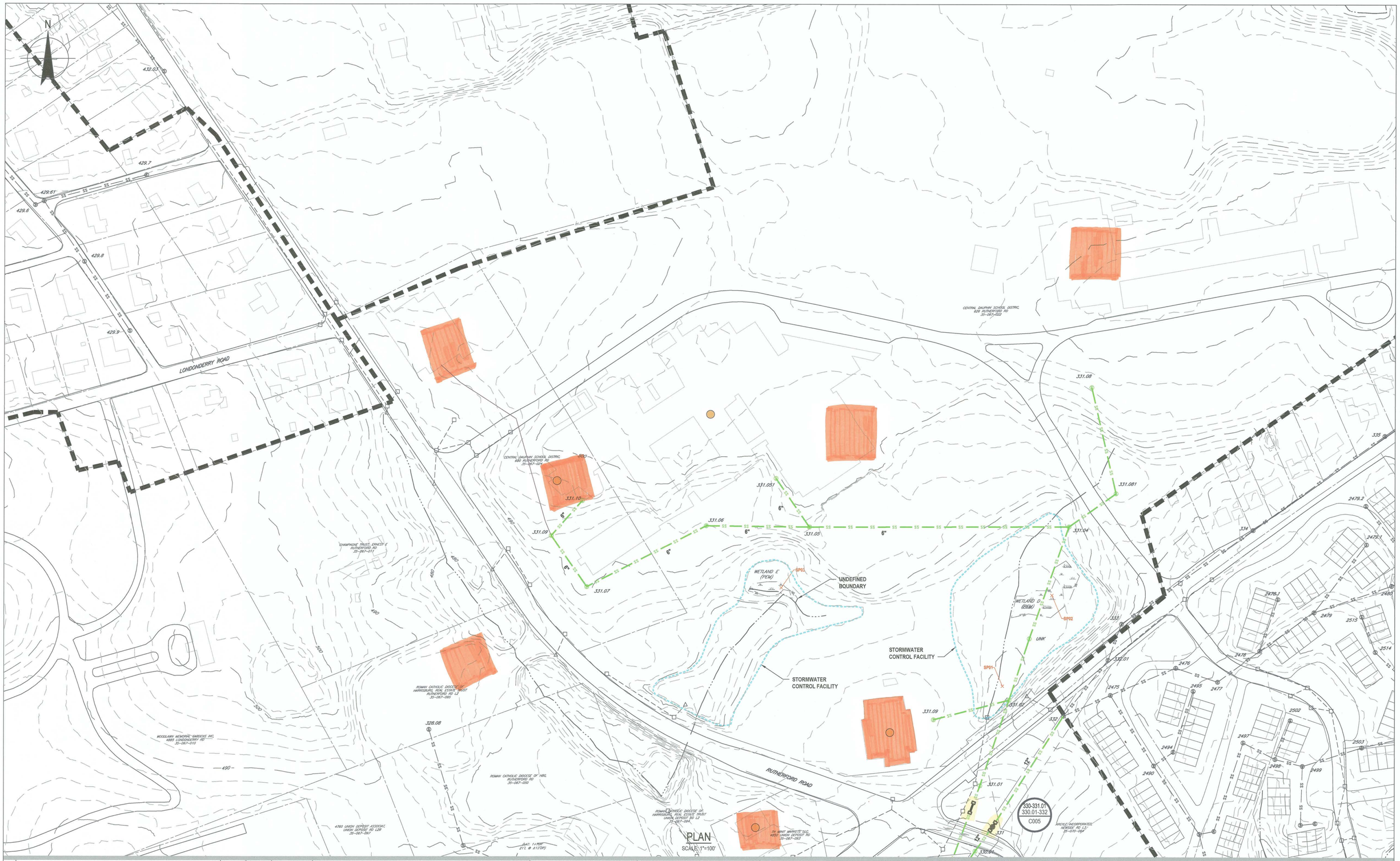
0 50 100 150 200'
SCALE 1"=100' AT ORIGINAL SIZE

Drawn	JTS	Designer	BAW
Drafting Check	MAC	Design Check	KBS
Project Manager	KBS	Date	APRIL 2019
		Scale	AS SHOWN

This document shall not be used for construction unless signed and sealed for construction.

Client: LOWER PAXTON TOWNSHIP AUTHORITY
Project: SC-2B SANITARY SEWER REPAIRS
Title: LOCATION PLAN
Project No. 11151870
Original Size: Arch D
Sheet No. LP002
Sheet 5 of 18

Plot Date: 22 August 2019 - 10:49 AM
Plotted By: Jake Strobert
Filename: G:\11\11\11151870 LPTA Mini-Basin SC-2B\CADD\Drawings\Civil\11151870_KP.dwg



No.	Issue	Drawn	Approved	Date
0	CONSTRUCTION DRAWINGS	SDM	KBS	8-20-19

NOTE:
ALL MAINLINE PIPE NOT SHOWN WITH PIPE SIZE IS ASSUMED TO BE 8".

Bar is one inch on original size sheet
0 1"

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0 50 100 150 200'
SCALE 1"=100' AT ORIGINAL SIZE

Drawn	JTS	Designer	BAW
Drafting Check	MAC	Design Check	KBS
Project Manager	KBS	Date	APRIL 2019
		Scale	AS SHOWN

This document shall not be used for construction unless signed and sealed for construction.

Client: LOWER PAXTON TOWNSHIP AUTHORITY
Project: SC-2B SANITARY SEWER REPAIRS
Title: LOCATION PLAN

Project No. 11151870
Original Size: Arch D
Sheet No. LP003
Sheet 6 of 18

Plot Date: 22 August 2019 - 10:49 AM Plotted By: Jake Strobert Filename: G:\111\11151870 LPTA Mini-Basin SC-2B\CADD\Drawings\Civil\11151870_KP.dwg

March 3, 2020

Owner
Address
City, State Zip

RE: Private Sewer Air Testing/Repair/Replacement Agreement
Property at: Property Address

Dear Customer:

The sewer system in your neighborhood is scheduled for repair and replacement as part of Lower Paxton Township's requirement to eliminate sewer basement backups and overflows in the sewer system. Specifically, the legal agreement with the PADEP for your neighborhood requires the air testing, repair and replacement of all public sewers **including private sewers** to eliminate overflows in the sewer system. Enclosed is the Private Sewer Air Testing, Repair and Replacement Agreement for your property. The Agreement is necessary to provide temporary access for the property. The first step is the installation of the Observation/Test Tee which is necessary to perform an air test of the private sewer that extends from the street to the building. Enclosed is a detail of the Observation/Test Tee and a detail showing a typical private sewer air test. If the private sewer fails the air test, the Township will be required to replace the private sewer. See enclosed detail showing the typical private sewer replacement.

Please note that this is a mandatory program for all owners within the selected neighborhood/mini-basin. To assist property owners in correcting defective private sewers, the Township has adopted resolution 2018-03, which provides that the Private Sewer Air Testing, Repair and Replacement Program shall be at **no cost** to property owners.

The Township invites you to have your questions answered at a special "Neighborhood Meeting". This meeting will be held on Tuesday, March 24, 2020 at 7:00pm at the Devonshire Church located at 5630 Devonshire Road. The Township Sewer Department staff and the Sewer System Engineers will provide a brief power point presentation and answer questions on the sewer replacement plan and schedule for the neighborhood.

The enclosed Agreement must be executed by **all record owners** of the property and returned to the Township within thirty (30) days of your receipt of this letter. You may return the executed agreement with the enclosed self-addressed stamped envelope or email the executed agreement to our Secretary Christine Mayer at cmayer@lowerpaxton-pa.gov. Christine Mayer will also be accepting executed agreements at the Neighborhood Meeting. Please return the entire agreement. A copy of the Agreement is available upon request. To facilitate the private sewer air testing, repair and replacement, it will be necessary to schedule an inspection of the inside property to locate the connection of the private sewer line to the building/house. You can schedule this inspection by contacting our offices at 717-657-5623 or you may schedule the inspection with Christine Mayer at the Neighborhood Meeting.

If you have any questions or concerns not addressed in this letter prior to signing and/or you are unable to attend the meeting, please call John Deibler or Jim Wetzel at the Sewer Department Operations Facility, 717-657-5623, or Tim Nolt, P.E., Sewer Department Engineer, or myself at the Municipal Center, 717-657-5617. Thank you in advance for your cooperation.

Sincerely,

William R. Weaver
Sewer Department Director

WRW/chm
Enclosures

PAXTON CREEK INTERCEPTOR AGREEMENT
SECOND AMENDMENT

WHEREAS, on January 13, 1969 Lower Paxton Township Authority (LPTA) and Susquehanna Township Authority (STA) entered into an agreement relating to the construction, ownership, use and payment of a sewer interceptor to be constructed in the Township of Susquehanna for the purpose of receiving sewage from collections within the Paxton Creek Drainage Area of Lower Paxton Township and within portions of Susquehanna Township, and,

WHEREAS, on May 1, 1971 the parties entered into an amendment to the agreement in order to award construction contracts and allocate the share of the net project costs, and,

WHEREAS, the allocated capacity of the interceptor was established at a daily peak flow of 7.79 million gallons per day (MGD) to LPTA and 4.49 MGD to STA, a total of 12.28 MGD, and,

WHEREAS, the engineer for STA has performed hydraulic capacity calculations which has determined that the actual safe carry capacity is 20 MGD, and,

WHEREAS, the parties desire to further amend the agreement to provide for revised interceptor capacities based on current engineering studies and allocate the additional capacity of 7.72 MGD to each party, and,

WHEREAS, the parties desire to allocate the additional capacity based on the agreement split of 59% LPTA and 41% STA. Based on this percentage split the LPTA capacity shall increase 4.55 MGD (59% of 7.72 MGD) and STA shall receive an increase in capacity of 3.17 MGD (41% of 7.72 MGD).

NOW, THEREFORE, in consideration of the foregoing and intending to be legally bound, LPTA and STA hereby agree as follows:

1. The allocated capacity of the original 1969 agreement of 12.28 MGD is hereby amended to 20 MGD, the safe carrying capacity. LPTA's daily peak flow

rate of 7.79 MGD is hereby increased by 4.55 MGD to 12.34 MGD and STA's daily peak flow rate of 4.49 MGD is hereby increased by 3.17 MGD to 7.66 MGD.

2. In all other respects to the agreement dated January 13, 1969 and the amendment dated May 1, 1971 is hereby ratified and confirmed.

IN WITNESS WHEREOF, the parties have caused this second amendment to be executed by their respective officers and the seal of the Authority affixed as of the 23th of November, 2020.

ATTEST: SUSQUEHANNA TOWNSHIP AUTHORITY

_____ By_____

(SEAL)

ATTEST: LOWER PAXTON TOWNSHIP AUTHORITY

_____ By_____

(SEAL)

ALLOCATION BASED ON ORIGINAL AGREEMENT CAPACITY AND COST DISTRIBUTION OF 20.0 MGD SURCHARGE CAPACITY						
	In-pipe Allocated Capacity		Additional Surcharge Capacity Distribution		Total Capacity Distribution	
LPTA	7.79	63.4%	4.55	59.0%	12.34	61.7%
STA	4.49	36.6%	3.17	41.0%	7.66	38.3%
Total	12.28		7.72		20.00	

ALLOCATION BASED ON COST DISTRIBUTION OF 20.0 MGD IN-PIPE & SURCHARGE CAPACITY						
	Total Allocated Capacity		Additional Surcharge Capacity Distribution		Total Capacity Distribution	
LPTA	7.25	59.0%	4.55	59.0%	11.80	59.0%
STA	5.03	41.0%	3.17	41.0%	8.20	41.0%
Total	12.28		7.72		20.00	

RECEIVED
JAN 7 2019
LOWER PAXTON
TOWNSHIP AUTHORITY

Reading Office
50 Berkshire Court, Ste. 209
Wyomissing, PA 19610-1219
T 610.374.5285
F 610.374.5287

January 3, 2020

Lower Paxton Township Authority
425 Prince Street
Harrisburg, PA 17109

RE: Annual Meeting
Swatara Wastewater Treatment Facility

Ladies and Gentlemen:

Please be apprised that on **Monday, February 17, 2020**, at 6:30 p.m., the Annual Meeting will be held in accordance with Article IX of the Inter-Municipal Agreement. The meeting will be held at the Swatara Township Municipal Building, 599 Eisenhower Boulevard, and a tentative agenda is attached for your perusal.

As you will note, a brief presentation of activity within your system has been scheduled.

Please advise us if you have any questions or problems regarding your participation. We look forward to seeing you at the meeting.

Sincerely,

Alex J. Morrison, P.E.

Attachment

AJM:dls

cc: Gerry Miller, Swatara Township Authority
Gene Lank, Swatara Township Authority
Scott Wyland, Esquire

ANNUAL MEETING

SWATARA TOWNSHIP

WATER POLLUTION CONTROL PLANT

Monday, February 17, 2020

6:30 p.m.

AGENDA

I. Introduction and Opening Remarks

- James L. Spare, Chairman (5 min.)

II. Wastewater Treatment Facility Report

- Gene Lank, Superintendent (20 min.)

III. Review of the Chapter 94 Requirements

- Alex J. Morrison, P.E., Authority Engineer (5 min.)

IV. Member Reports

- Swatara Township Authority (5 min.)
- Hummelstown Borough (5 min.)
- Lower Paxton Township (30 min.)
- South Hanover Township (5 min.)

V. Open Discussion

SALZMANN HUGHES, P.C.
Attorneys at Law

Scott T. Wyland

Phone: 717-234-6700
Email: swyland@salzmannhughes.com

MEMORANDUM

TO: **South Hanover Township Sewer Authority, Lower Paxton Township Authority, Borough of Hummelstown**

FROM: **Swatara Township Authority Solicitor** STW

RE: ***De Minimis* Addition Connections**

DATE: **February 17, 2020**

South Hanover Township Sewer Authority requests permission to connect four unmetered residential EDUs to the Joint Use Interceptor at Manhole 421. The introduction of these limited flows into the JUI is not expressly addressed by the 2015 Agreement. Because these flows are *de minimis*, Swatara suggests the connections should be allowed and the flows be acknowledged by the parties to the 2015 Agreement without a formal amendment of that Agreement. If all parties agree with this approach, an acknowledgment letter will be circulated for all parties to sign and keep on file. If the parties do not agree to handle the matter informally, an addendum to the 2015 Agreement (and Exhibit C thereto) will be needed.

By way of background, MH 421 lies within JUI Segment D-E, as identified on Exhibit C to the Agreement. Swatara proposes limiting South Hanover to four EDUs and to require South Hanover to design and construct the connections, with accessible flushing manholes. If in the judgment of Swatara backflow preventers are required, South Hanover should agree to install them.

The D-E segment of the JUI provides allocated capacity for Lower Paxton of 7.930 MGD and 3.806 MGD for Swatara. Hummelstown has no flow in that segment of the JUI. South Hanover's capacity in the JUI is 64,000 GPD beginning at segment D-E and continuing unchanged to the WWTP.

Due to the negligible effect of South Hanover adding four residential EDUs of flow as and where it proposes, Swatara has no objection to handling South Hanover's request informally and with no adjustment to the 2015 Agreement or Exhibit C. Just the same, if the parties prefer a formal amendment to the 2015 Agreement, Swatara will prepare and distribute a proposed addendum.

SWATARA TOWNSHIP AUTHORITY
SUMMARY OF OPERATIONS & MAINTENANCE
STATISTICS FOR 2018-2019

TREATMENT PLANT	2018	2019	CHANGE
1. Gallons of sewage treated	1,876,909,000	1,605,010,000	-14.5%
2. Average million gallons per day of sewage treated	5.142	4.397	-14.5%
3. Total pounds of solids removed from the sewage	1,795,303	1,861,262	3.7%
4. Average pounds per day of solids removed from the sewage	4,919	5,099	3.7%
5. KWH of electricity used	3,387,750	3,264,000	-3.7%
6. Cubic feet of natural gas used	11,476,000	11,293,000	-1.6%
7. Gallons of water used	130,546	100,936	-22.7%
8. Gallons of Sodium Hypochlorite	14,435	16,006	10.9%
9. Chemicals for phosphorous removal: Gallons of iron salts	10,143	8,967	-11.6%
10. Tons of sludge disposed of	621.3	720.4	16.0%
11. Gallons of polymer used for dewatering of sludge	4,032.0	4,022.3	-0.2%
12. O & M cost/100 gallons of sewage treated	$0.067	$0.083	23.9%
13. O & M cost/EDU/Year	$74.04	$77.25	4.3%
14. Manhours worked	21,734.2	21,350.5	-1.8%
15. Manhours lost from injuries suffered on the job	0.0	0.0	0.0%
16. Vehicle mileage	11,059.6	9,354.5	-15.4%
17. Average Equivalent Dwelling Units (EDU's)	17,030	17,207	1.0%
18. Average gallons per day per EDU	302	256	-15.2%
19. Average pounds of BOD per day per EDU	0.28	0.31	12.7%
20. Average pounds of suspended solids per day per EDU	0.30	0.31	3.7%

SWATARA TOWNSHIP AUTHORITY
2019 TREATMENT PLANT PERFORMANCE

	FLOW (DAILY AVG.)	BOD	CBOD				SUSPENDED SOLIDS			TOTAL PHOSPHOROUS			AMMONIA-NITROGEN					TOTAL NITROGEN		FECAL COLIFORM (Geometric Mean)		D.O. (Min)	pH (Min/Max)
		(DAILY AVG.)					(DAILY AVG.)			(DAILY AVG.)			(DAILY AVG.)							EFFLUENT		EFFLUENT	
		IN	EFFLUENT				IN	EFFLUENT		IN	EFFLUENT		IN	EFFLUENT									
	(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)	(15)	(16)	(17)	(18)	(19)	(20)	(21)	(22)	(23)
	MGD	mg/L	mg/L		#/day		mg/L	mg/L	#/day	mg/L	mg/L	#/day	mg/L	mg/L		#/day		mg/L	#/day	No./100mL		mg/L	
January	5.7	117	3		123		121	4	201	3.2	0.19	8.8	15.1	0.1		4.739		6.39	290.2	41		8.9	6.8/7.1
February	5.5	128	2		104		129	4	162	3.4	0.24	10.5	14.9	0.1		4.29		6.33	271.4	39		10.2	6.8/7.0
March	5.7	129	3		135		122	5	236	3.6	0.18	7.7	17.8	0.13		6.01		5.82	247.8	30		7.7	6.7/7.0
April	4.8	140	3		138		148	4	206	4.1	0.12	5.1	18.9	0.16		8.78		4.59	184.7	39		6.9	6.7/7.1
May	5.2	135		2		104	130	4	173	3.9	0.15	6.2			0.1		4.326	4.09	163.9		34	8.3	6.8/7.2
June	3.6	162		3		81	181	6	172	5.0	0.17	5.0	21.3		0.1		2.98	4.39	130.3		43	8.0	6.8/7.3
July	3.8	116		3		97	163	3	101	4.8	0.13	4.0	24		0.1		3.084	3.96	116.7		11	7.6	6.8/7.2
August	3.0	144		3		67	188	4	99	5.1	0.14	3.7	22.8		0.1		2.53	4.41	111.4		27	7.6	6.9/7.3
September	2.8	174		3		61	186	4	90	5.4	0.18	4.3	24.5		0.12		2.793	4.12	94.78		26	7.7	6.9/7.3
October	3.5	177		2		78	160	4	114	5.0	0.17	5.2	21.9		0.1		3.119	4.1	135.1	40		7.8	6.9/7.3
November	4.5	154	3		108		137	5	163	5.0	0.21	7.4	19.3	0.11		4.063		5.27	168	63		6.9	6.8/7.2
December	4.6	180	4		183		118	5	203	4.5	0.10	4.2	16.8	0.67		24.13		5.83	220.1	68		9.0	6.8/7.3
MONTHLY AVERAGE	4.4	146.3	2.8		107		148.6	4.3	160	4.4	0.17	6.0	19.8	0.16		5.90		4.9	177.9	38		-	-
NPDES PERMIT LIMITATIONS			25	19	1313	998		30	1576		2.0	105		18.0	6	945	315			2000	200	5.0	6.0/9.0

Average CBOD Removal 98%*

Average Suspended Solids Removal 97%*

*NPDES Permit Requirement for CBOD and S.S. is 85%.

NPDES Permit Requirement for TOTAL N is 316 lbs/day.

NPDES Permit Requirement for TOTAL P is 42 lbs/day.

2019 FLOW SUMMARY

		TREATMENT PLANT DESIGN FLOW 6.300 MGD			LOWER PAXTON ALLOCATED CAPACITY 3.795 MGD					SWATARA ALLOCATED CAPACITY 1.858 MGD					HUMMELSTOWN ALLOCATED CAPACITY .615 MGD				
MONTH	RAIN FALL	MAX TRT. PLT. FLOW (MGD)	EXCESS FLOW DAYS	AVG. TRT. PLT. FLOW (MGD)	MAX MTR. LP. FLOW (MGD)	MAX EST. LP. FLOW (MGD)	EXCESS FLOW DAYS	AVG. L.P. FLOW (MGD)	AVG. L.P. FLOW/ EDU	MAX. MTR. SWATARA FLOW (MGD)	MAX. EST. SWATARA FLOW (MGD)	EXCESS FLOW DAYS	AVG. SWATARA FLOW (MGD)	AVG. SWATARA FLOW/ EDU	MAX.MTR. H-TOWN FLOW (MGD)	MAX. EST. H-TOWN FLOW (MGD)	EXCESS FLOW DAYS	AVG. H-TOWN FLOW (MGD)	AVG. H-TOWN FLOW/ EDU
JAN	3.78 (a)	11.150	9	5.700	7.687		13	3.902	395	1.103		0	0.649	131	0.548		0	0.315	138
FEB	3.71 (a)	8.352	8	5.545	7.255		18	4.072	412	0.705		0	0.582	118	0.342		0	0.270	118
MAR	3.61 (a)	14.344	8	5.709	7.838	9.929	10	4.007	406	1.272		0	0.616	125	0.753		1	0.314	137
APR	4.10	11.412	5	4.760	5.627	7.898	7	3.217	328	1.011		0	0.581	116	0.538		0	0.275	120
MAY	7.23	11.801	5	5.215	9.395	10.222	9	3.816	389	0.988		0	0.591	119	0.423		0	0.272	118
JUNE	4.81	4.687	0	3.579	3.253		0	2.325	237	0.660		0	0.543	109	0.397		0	0.237	103
JULY	4.56	8.858	1	3.812	6.907		4	2.607	267	0.755		0	0.529	104	0.293		0	0.218	94
AUG	3.77	3.579	0	3.048	2.206		0	1.868	191	0.595		0	0.498	91	0.275		0	0.211	98
SEPT	1.36	3.888	0	2.831	2.856		0	1.769	181	0.524		0	0.463	91	0.245		0	0.210	91
OCT	8.68	10.066	1	3.489	5.158	7.787	3	2.355	243	1.376		0	0.547	106	0.548		0	0.228	99
NOV	1.98	13.584	3	4.509	5.487	10.508	5	2.952	304	1.048		0	0.525	101	0.666		1	0.252	109
DEC	3.76 (a)	7.394	4	4.620	5.699		6	3.169	327	0.641		0	0.491	95	0.277		0	0.235	101

(a) Rainfall and/or melted snow or ice.

Date: 2/18/2020

BOND ISSUE DRAWDOWN SCHEDULE

LOWER PAXTON TOWNSHIP AUTHORITY

Capital Improvement Projects - Fund 37/PennVest

FEBRUARY 2020

DATE		4800 ACCOUNTS: Beaver Creek Projects Construction Cost	Beaver Creek Projects Non-Construction Cost	BC-2A/2B/2C/5B Replacement (PennVest) & SC-2B Repairs: Eligible Construction Cost	Non-Eligible Construction Cost	Eligible Non-Construction Cost(9)	Non-Eligible Non-Construction Cost	2020 Lining Project: Construction Cost	Non-Construction Cost	BC-7A/7B/7C/7D/8C/8D: Construction Cost	Non-Construction Cost	LPTA's Share of Swatara's Plant Project: Non-Construction Cost	LPTA's Share of the North Branch Interceptor: Construction & Non-Construction Cost	PC-2E: Construction Cost	Non-Construction Cost	PC-3D: Construction Cost	Non-Construction Cost	Beaver Creek Force Main Replacement: Construction Cost	Non-Construction Cost	PC-1F: Construction Cost	Non-Construction Cost	Nyes Road Interceptor Upgrades: Construction Cost	Non-Construction Cost	Paxton Creek Storage: Construction Cost(1)	Non-Construction Cost	Beaver Creek Storage: Construction Cost(1)	Non-Construction Cost	SC-1G: Construction Cost	Non-Construction Cost	Beaver Creek Interceptor Upgrades: Construction Cost	Non-Construction Cost	PennDOT Projects: Construction Cost	Non-Construction Cost	LPTA Misc. Costs(2)	GHD General Program Costs(3,4)	HRG, Compact. Testing, and Other Misc. Construction Costs (4.5%)(5)	Total Non-Storage Construction	Total Projects: Fund 37 Bond Money: Total Month (Construction Cost)	Fund 37 Bond Money: Total Month (Non-Construction Cost)	PennVest Money: Total Month (Construction Cost)	PennVest Money: Total Month (Non-Construction Cost)	Year Total Spent	Bond Money Contributions	Bond Money Remaining(6)	PennVest Money Remaining
		4800 - C	4800 - N	BC - C	BC - C	BC - N	BC - N	SC - C	SC - N	BC - C	BC - N	OTHER - L	OTHER - L	PC - C	PC - N	PC - C	PC - N	BC - C	BC - N	PC - C	PC - N	BC - C	BC - N	PC - C	PC - N	BC - C	BC - N	SC - C	SC - N	BC - C	BC - N	OTHER - L	OTHER - L	OTHER - L	OTHER - G	OTHER - L									
2019 Estimated Costs	Survey	Pole Building / Meter Chamber		$ 12,280,000	$ 3,010,681	$ -	$ -	$ 2,890,000	$ -	$ 14,182,391	$ -	$ 3,320,388	$ 1,885,192	$ 2,979,633	$ 18,273	$ 5,636,803	$ 38,769	$ 478,155	$ 6,250	$ 4,134,868	$ 2,515	$ 6,622,480	$ 43,683	$ 14,724,496	$ 1,894,789	$ 19,307,393	$ 2,447,708	$ 7,143,424	$ 45,952	$ 882,749	$ 7,693														
	Design / Permitting					$ -	$ -		$ 67,304		$ 708,890				$ 178,778		$ 338,208		$ 28,689		$ 248,092		$ 397,349						$ 357,172		$ 52,965														
	Construction Admin.					$ 807,695	$ 23,000		$ 39,000		$ 212,736				$ 44,694		$ 84,552		$ 7,172		$ 62,023		$ 99,337						$ 132,868		$ 13,241														
	Inspection(8)					$ 190,500	$ 42,000		$ 129,200		$ -				$ -		$ -		$ -		$ -		$ -						$ -		$ -														
[Original Estimated Cost]		[$398,400 - 2020 Budget]		[$15,290,681 - 2019 Bid Cost]		[$429,500 - 2019 Cost Estimate]		[$3,158,200 - 2019 Cost Estimate]		[$14,023,176 - 2016 Cost Projection]				[$2,948,018 - 2016 Cost Projection]		[$5,580,838 - 2016 Cost Projection]		[$476,119 - 2016 Cost Projection]		[$4,070,090 - 2016 Cost Projection]		[$6,555,021 - 2016 Cost Projection]		[$15,658,714 - 2016 Cost Projection]		[$20,233,775 - 2016 Cost Projection]		[$7,027,754 - 2016 Cost Projection]		[$875,468 - 2016 Cost Projection]															
January	2020	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		-	-	-	-		-	2,078,765	13,278,195
February	2020	-	-	C 511,667	C 125,445	CO 39,003	CO 2,635	-	D 7,703	-	D 40,564	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	259,417	12,583	27,565		125,445	350,466	511,667	39,003		-	1,602,853	12,727,526
March	2020	-	4,000	C 511,667	C 125,445	CO 39,003	CO 2,635	-	D 7,703	-	D 40,564	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	25,417	12,583	27,565		125,445	120,466	511,667	39,003		-	1,356,942	12,176,856
April	2020	42,000	4,000	C 511,667	C 125,445	CO 39,003	CO 2,635	-	D 7,703	-	D 40,564	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	25,417	12,583	27,565		167,445	120,466	511,667	39,003		-	1,069,031	11,626,187
May	2020	42,000	8,000	C 511,667	C 125,445	CO 39,003	CO 2,635	-	D 7,703	-	D 40,564	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	25,417	12,583	27,565		167,445	124,466	511,667	39,003		-	777,119	11,075,518
June	2020	-	-	C 511,667	C 125,445	CO 39,003	CO 2,635	-	D 7,703	-	D 40,564	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	200,000	-	25,417	12,583	27,565		325,445	116,466	511,667	39,003		-	335,208	10,524,848
July	2020	100,000	5,000	C 511,667	C 125,445	CO 39,003	CO 2,635	-	D 7,703	-	D 40,564	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	25,417	12,583	27,565		225,445	121,466	511,667	39,003		32,000,000	31,988,296	9,974,179
August	2020	100,000	10,000	C 511,667	C 125,445	CO 39,003	CO 2,635	-	D 7,703	-	D 40,564	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	200,000	-	25,417	12,583	27,565		425,445	126,466	511,667	39,003		-	31,436,385	9,423,509
September	2020	58,400	10,000	C 511,667	C 125,445	CO 39,003	CO 2,635	-	D 7,703	-	D 40,564	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	25,417	12,583	27,565		183,845	126,466	511,667	39,003		-	31,126,074	8,872,840
October	2020	-	10,000	C 511,667	C 125,445	CO 39,003	CO 2,635	-	D 7,703	-	D 40,564	-	-	-	S 6,274	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	25,417	12,583	27,565		125,445	132,740	511,667	39,003		-	30,867,889	8,322,171
November	2020	-	5,000	C 511,667	C 125,445	CO 39,003	CO 2,635	C 248,058	CO 13,959	-	D 40,564	-	-	-	S 6,274	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	25,417	12,583	27,565	2020	373,503	133,996	511,667	39,003	2020	-	30,360,389	7,771,501
December	2020	-	-	C 511,667	C 125,445	CO 39,003	CO 2,635	C 248,058	CO 13,959	-	D 40,564	-	-	-	S 6,274	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	25,417	12,583	27,565	8,246,746	373,503	128,996	511,667	39,003	10,278,239	-	29,857,889	7,220,832
January	2021	-	-	C 511,667	C 125,445	CO 39,003	CO 2,635	C 248,058	CO 14,378	-	D 41,781	-	-	-	D 18,967	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	26,179	12,961	41,917		373,503	158,817	511,667	39,003		-	29,325,569	6,670,163
February	2021	100,000	-	C 511,667	C 125,445	CO 39,003	CO 2,635	C 248,058	CO 14,378	-	D 41,781	-	-	-	D 18,967	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	122,179	12,961	41,917		473,503	254,817	511,667	39,003		-	28,597,249	6,119,493
March	2021	21,600	-	C 511,667	C 125,445	CO 39,003	CO 2,635	C 248,058	CO 14,378	-	D 41,781	-	-	-	D 18,967	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	26,179	12,961	41,917		395,103	158,817	511,667	39,003		-	28,043,329	5,568,824
April	2021	-	-	C 511,667	C 125,445	CO 39,003	CO 2,635	C 248,058	CO 14,378	-	D 41,781	-	-	-	D 18,967	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	26,179	12,961	41,917		373,503	158,817	511,667	39,003		-	27,511,008	5,018,155
[illegible]																																													
May	2040	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	C 2,282,658	CO 62,944	-	-	-	-	-	-	-	-	45,905	22,727	-		2,282,658	131,576	-	-		-	17,841,250	-
June	2040	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	C 2,282,658	CO 62,944	-	-	-	-	-	-	-	-	45,905	22,727	-		2,282,658	131,576	-	-		-	15,427,016	-
July	2040	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	C 2,282,658	CO 62,944	-	-	-	-	-	-	-	-	45,905	22,727	-		2,282,658	131,576	-	-		-	13,012,781	-
August	2040	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	C 2,282,658	CO 62,944	-	-	-	-	-	-	-	-	45,905	22,727	-		2,282,658	131,576	-	-		-	10,598,546	-
September	2040	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	C 2,282,658	CO 62,944	-	-	-	-	-	-	-	-	45,905	22,727	-		2,282,658	131,576	-	-		-	8,184,312	-
October	2040	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	C 2,282,658	CO 62,944	-	-	-	-	-	-	-	-	45,905	22,727	-		2,282,658	131,576	-	-		-	5,770,077	-
November	2040	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	C 2,282,658	CO 62,944	-	-	-	-	-	-	-	-	45,905	22,727	-	2040	2,282,658	131,576	-	-	2040	-	3,355,842	-
December	2040	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	C 2,282,658	CO 62,944	-	-	-	-	-	-	-	-	45,905	22,727	-	-	2,282,658	131,576	-	-	28,970,816	-	941,608	-
January	2041	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	A 64,832	-	-	-	-	-	-	-	-	47,282	23,409	-		-	135,524	-	-		-	806,084	-
February	2041	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	A 64,832	-	-	-	-	-	-	-	-	47,282	23,409	-		-	135,524	-	-		-	670,561	-
March	2041	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	47,282	23,409	-		-	70,691	-	-		-	599,869	-
April	2041	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	47,282	23,409	-		-	70,691	-	-		-	529,178	-
May	2041	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	47,282	23,409	-		-	70,691	-	-		-	458,487	-
June	2041	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	47,282	23,409	-		-	70,691	-	-		-	387,796	-
July	2041	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	47,282	23,409	-		-	70,691	-	-		-	317,105	-
August	2041	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	47,282	23,409	-		-	70,691	-	-		-	246,414	-
September	2041	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	47,282	23,409	-		-	70,691	-	-		-	175,722	-
October	2041	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	47,282	23,409	-		-	70,691	-	-		-	105,031	-
November	2041	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	47,282	23,409	-	2041	-	70,691	-	-	2041	-	34,340	-
December	2041	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	47,282	23,409	-	-	-	70,691	-	-	977,959	-	(36,351)	-
TOTAL INFLATED		$ 464,000	$ 56,000	$ 12,280,000	$ 3,010,681	$ 998,195	$ 65,000	$ 2,976,700	$ 246,929	$ 15,046,099	$ 974,022	$ 3,420,000	$ 2,000,000	$ 3,161,093	$ 257,009	$ 6,344,271	$ 512,355	$ 538,168	$ 46,487	$ 4,793,445	$ 358,351	$ 9,431,507	$ 750,949	$ 27,391,901	$ 3,451,642	$ 27,527,726	$ 3,454,728	$ 9,320,548	$ 702,016	$ 1,335,236	$ 111,609	$ 2,776,332	$ -	$ 7,168,985	$ 3,485,858	$ 2,835,468	$ 71,478,080	$ 114,117,707	$ 29,897,409	$ 12,280,000	$ 998,195	$ 157,293,311			

DRAFT

NOTES

(1) Construction costs for storage include 20% Contingency.

(2) Based on the items shown below. The cost for 2020 is based on LPTA's budget ($305,000) and then inflated 3% each following year.

*Meter Purchases
*Mainline External Repairs
*Right-Of-Way Clearance
*Sump Pump Removal

(3) Based on the items shown below. The cost for 2020 is based on GHD's budget ($151,000) and then inflated 3% each following year.

*GIS Program
*Engineering - Metering Data Analysis/Modeling
*Engineering - Mainline External Repairs/Right-Of-Way Clearance
*Meetings, Management, Assessment, and Reporting
*Research and Development - I/I Program
*Metering

(4) The following were added to GHD's General Program Costs during the given years for significant program evaluations in Beaver Creek, Paxton Creek, and Spring Creek:

*2022 --> $20,000 (BC)
*2023 --> $20,000 (BC), $10,000 (PC)
*2024 --> $20,000 (BC), $10,000 (PC)
*2026 --> $10,000 (SC)
*2027 --> $10,000 (SC)

(5) Based on 4.5% of total non-storage construction less the lining and PennDOT projects for the calendar year.

(6) Drawdown of 2016 bond proceeds started in September 2016. Balance at the beginning of February 2020 = $2,078,764.75.

(7) Loan is used for the BC-2/5B Replacement Project (building sewer and paving overlay work is not eligible).

(8) Costs for inspection/construction observation are not included in all future projects.

(9) Cost includes Admin, Legal Fees, Financing Charges, and Contingency.

NOTE: All projects not under Design or Construction include 10% Contingency in the estimated costs (storage is excluded).

LEGEND

C Construction
S Survey
D Preliminary Design/Permitting/Agreements/Easements/Final Design/Bidding & Award
CO Construction Observation & Adminstration
A Construction Adminstration/Project Closeout

Lower Paxton Township Authority

Engineer's Report

December 2019 – February 2020

GHD | 1240 North Mountain Road, Harrisburg, PA 17112| 8910615| 00160| February 2019

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1. Annual Progress Report

The Second Consent Decree Annual Progress Report covering the June 1, 2019 through May 31, 2020 reporting period will be prepared this spring for submission to PA DEP by the June 30, 2020 deadline. The following items will be included in the report and detailed further in-depth.

1.1 Metering Program

During this report period, Township Staff continued to maintain the 39 meter sites with the assistance of GHD. The 39 sites include 24 permanent flow meters, four (4) temporary flow meters, three (3) overflow boxes, three (3) metered pump stations, four (4) rain gauges, and one (1) groundwater well.

1.2 Wet Weather Events

Three (3) significant wet weather events (WWEs) and two (2) extreme WWEs were experienced during this report period. The following table presents the basic statistics for the WWEs.

Date	Rainfall (in.) (1)	MH 2790 Control Basin Peak (mgd)	Storm Category	Reported Overflows	Weather Summary & Notes
11/24/2019	1.3	0.33	Significant	None	Combined rainfall from 11/23-11/24.
12/14/2019	0.6	0.52	Significant	None	
12/17/2019	0.6	0.55	Significant	None	
1/25/2020	1.5	1.06	Extreme	None	
2/7/2020	1.5	0.81	Extreme	None	Combined rainfall from 2/6-2/7.

(1) Rainfall data from Koon's Park Rain Gauge.

1.3 Beaver Creek Metering Chamber

GHD prepared structural and electrical drawings to raise the top of the metering chamber out of the flood plain and to construct a concrete enclosure similar to Swatara's existing metering chambers. Preliminary drawings were sent to Swatara and Township Staff for review and comment on February 14th. GHD initiated permitting activities in February.

2. Strategic Planning/Beaver Creek and Paxton Creek I/I Program Updates

2.1 Beaver Creek Program

No activity by GHD this period.

2.2 Paxton Creek Program

GHD provided a revised surcharge capacity analysis for Paxton Creek in Susquehanna Township. The memo demonstrated that the system can handle an increased peak flow of 20 mgd of combined flow from Lower Paxton Township and Susquehanna Township prior to experiencing overflow. This revised flow is being used to negotiate a new Paxton Creek Agreement with Susquehanna.

2.3 Spring Creek Program

GHD reviewed the flow data from the 10/31/19 WWE that resulted in an overflow in the SC-1 Sub-Basin. The overflow was confirmed by Township Saff during wet weather field investigation. The instantaneous peak flow leaving the basin also exceeded the 6.5 MGD IMA Limit. Township Staff, with the assistance of GHD, will develop a metering plan in the SC-1 Basin to identify a mini-basin project to remove I/I and eliminate the overflow potential.

3. I/I Projects Summary

3.1 Construction Observation

During this period, GHD provided a Resident Project Representative (RPR) to observe installation of new sanitary sewers in the Blue Ridge Village development and the sanitary sewer replacement/ relocation work for PennDOT's Nyes Road Safety Improvements project at the intersection with Devonshire Heights Road.

The Authority's 2020 budget includes a GHD RPR to assist with observing the BC-2 project for the entire year; however, the contractor (Doli Construction Corp.) is just ramping up their work in BC-2A and Township inspectors have been observing Doli's work to date. Township management believes that a GHD RPR will not be needed until mid to late March.

3.2 BC-4A/4B/4C Sanitary Sewer Replacement/Rehabilitation

GHD finalized the record drawings and delivered them to the Township this period. Work on this project is now complete.

3.3 BC-2A/2B/2C/5B Sanitary Sewer Replacement/Rehabilitation

During this period, GHD reviewed contractor submittals and responded to various RFIs. GHD is also performing preconstruction video services. Construction started in BC-2A at the end of

January. The contract Substantial Completion and Final Completion dates are August 31, 2021 and October 31, 2021, respectively.

3.4 BC-7A/7B/7C/7D/8C/8D

During this period, GHD continued with preliminary design activities, initiated permitting activities and worked on easement plats. We also coordinated a number of project meetings with Township Staff, GHD and HRG. This large project is scheduled to be advertised for bids in 2021, with completion of construction by the end of 2023.

3.5 PC-4C and PC-4E Sanitary Sewer Replacement/Rehabilitation

GHD continued to work on the record drawings during this period and provided a set for Township review. We anticipate that final updates will be made in the coming weeks.

3.6 SC-2B Sanitary Sewer Rehabilitation

GHD reviewed contractor submittals for this work during this period. The Township's I/I crews continued replacing building sewers in SC-2B throughout the report period. Township I/I crews will also perform some of the external repairs and lamphole/manhole replacements. Some of the external repairs in this mini-basin, which are required before the sewers can be lined, were included in the BC-2 contract that was awarded to Doli. Doli completed their work in SC-2B in January.

3.7 2020 Lining Project

The Township has continued with the manhole lining demonstrations to determine which products will be included in the specifications for this project. GHD will start preparing the drawings and specifications next period.

4. Emergency Repairs to Wastewater Collection System

To date, three (3) work orders have been issued to Rogele under the current contract. The current contract expired on January 9, 2020; however, Rogele agreed to hold their prices until the next contract is awarded. Township Staff had decided not to extend this contract for the second year since they would like a new contract that includes both emergency and maintenance work, not just emergency work as the current contract is written.

GHD is currently preparing the contract for the 2020 Emergency and Maintenance Contract. The Contract is anticipated to be bid by early March.

5. PennDOT Projects

5.1 Nyes Road and Devonshire Heights Intersection Safety Improvements (SR 2019-017)

GHD provided construction observation periodically during this period. Construction associated with the sanitary sewer replacement is currently on hold. The overall project is scheduled to be completed in the summer of 2020.

6. Developer Reviews

GHD provided services related to several development projects from November 12, 2019 through February 17, 2020, including the following:

6.1 Development Drawings Review:

- Shadebrook Phase IV – GHD is currently reviewing the first submission of drawings.

6.2 Record Drawings Review:

- Stray Winds Phase 5B and 5C – record drawings were reviewed and approved.
- Amber Fields Phase 7 – record drawings were reviewed and approved.

6.3 Planning Module Review:

- Shain P. & Diane J. DeVan – 7052 Creek Crossing Drive: GHD reviewed a planning module and provided comments on November 25, 2019.
- Allentown Blvd Warehouse: GHD reviewed a planning module and provided comments on February 13, 2020.

6.4 Individual Lateral Review:

- None.

6.5 Grinder Pump Reviews:

- None.

6.6 Pre-Construction Meetings:

- Estates of Autumn Oaks Phase II – a preconstruction meeting was held on February 14, 2020.

6.7 Construction Observation:

- GHD is performing construction observation for Phase 1 of the Blue Ridge Village project during this period.

6.8 Punch Lists:

- Mindy Meadows Phase 2 - a punch list letter was sent to the Developer on January 27, 2020.
- Stray Winds Farm Phase 5B - a punch list letter was sent to the Developer on February 12, 2020.
- Blue Ridge Village Phase 1 – a punch list will be sent to the Developer shortly.

6.9 Sewers Offered for Dedication to the Authority:

- Autumn Oaks – Phases 2 and 3
- Amber Fields Phase 7
- Stray Winds Farm, Phases 5A and 5B
- Stray Winds Farm, Phase 6
- Shadebrook Phase 1, 2 and 3

7. GIS

7.1 GHDLaunch Web-Mapping

GHDLaunch Web GIS is running smoothly. Activities this period included:

- Performed updates from collected GPS data and storm water appeals.
- Performed updates from record drawings of sanitary sewer rehabilitation and replacement projects.
- Moving forward with implementing ArcGIS Online for use in providing web-maps for Lower Paxton Township Works website and storm water impervious areas website, improved data collection, and data updates.

7.2 PA1Call Responses

During the period of November 5, 2019 through February 14, 2020, GHD assisted Township Staff with the research and response to 74 PA One Call (PA1Call) design requests. The average response rate is 1.25 business days of receiving the request, well within the 10-day required response period.

7.3 Storm Water

GHD provided assistance for storm water GIS-related requests. The requests have primarily been parcel reviews as part of the appeals process for the storm water fee.

8. Harrisburg/Capital Region Water (CRW)

No activity this period by GHD.

9. Project Funding and Sewer Rates

9.1 2016 Bond Issue and Drawdown Schedule

The Township closed on the 2016 Bond Issue in February 2016. The Township reported that $2,064,930 of the $25M 2016 bond issue proceeds was remaining after the February 18th check run. GHD updated the long-term drawdown schedule in February and confirmed that the remaining proceeds of the 2016 bond issue will be spent down during the middle of 2020. Therefore, it appears that a bond issue will be needed during the first half of 2020.

10. Chapter 94 Reports

10.1 Swatara WWTF

GHD prepared the chapter 94 report due to Swatara and submitted it to Township Staff on February 18th for review and signature.

10.2 Capital Region WWTF

GHD is currently finalizing the chapter 94 report due to CRW and will submitted it to Township Staff for review and signature before the end of March.

If you have any questions or comments, please contact us.

Sincerely,
GHD

Kevin B. Shannon, PE
Project Manager