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TO: Julie Jakubec, CPA/CGMA, Manager  
Township of O'Hara

DATE: November 6, 2023

S. O. No.: 0445-01

FROM: Kevin A. Brett, P.E.  
John Heyl P.E.

cc: Charles Steinert, P.E.

SUBJECT: **Monthly Engineer's Report  
November 7, 2023 Meeting**

Following is a summary of the engineering work performed.

**Roadway and Public Improvement Projects**

**2023 Roadway Improvement:**

*Township provided final road list for 2023 road program. LSSE to prepare bid package for early April opening. Bids were opened on April 6, 2023; bid report provided on April 7, 2023. Shields Asphalt Paving, Inc. is the apparent low bidder. O'Hara's results are below:*

Road	To	From	Bid Amount
<b>Base Bid:</b>			<b>\$804,680.00</b>
<b>O-1: Maurers Lane</b>	<b>Oakhurst Road</b>	<b>Kittaning Pike</b>	<b>\$80,075.75</b>
<b>O-2: Joanne Street North</b>	<b>Alleyne Drive</b>	<b>End</b>	<b>\$66,716.75</b>
<b>O-3: Eton Drive</b>	<b>Delafield Road</b>	<b>Woodshire Drive</b>	<b>\$109,613.75</b>
<i>O-4: Rodgers Drive</i>	<i>Powers Run Road</i>	<i>Cul-De-Sac</i>	<i>\$94,141.25</i>
<b>O-5: Yorkshire Drive</b>	<b>Powers Run Road</b>	<b>Cul-De-Sac</b>	<b>\$104,478.25</b>
<b>O-6: Meadow Park</b>	<b>Entry</b>	<b>Exit</b>	<b>\$52,953.25</b>
<b>O-7: Ravine Street B</b>	<b>House No. 12</b>	<b>Sharpshill Road</b>	<b>\$79,346.25</b>
<i>O-8: Village Drive Repairs</i>	<i>Patches A, B, and C</i>		<i>\$27,223.50</i>

*Recommend award of Base Bid, Alternate Nos. O-2, O-3, O-5 and O-6. Alternate Nos. 7 and 8 are subject to agreement with gas company on reimbursement. Work was awarded to Shields Asphalt Paving, Inc. Awarded roads are listed in table as bold. The pre-construction meeting was held on May 23, 2023. Work started on July 27, 2023. Work has been completed. Punchlist issued on September 8, 2023. LSSE transmitted Partial Payment No. 2 in the amount of \$1,121,298.59 as noted in letter dated October 19, 2023. LSSE issued Change Order No. 2 to*

the Township for execution on October 19, 2023; this change order adjusts the Contract value to include additional trench repair work on Camberwell Drive, West Marshall Drive, Eton Drive and Yorkshire Drive; and for the costs associated with the removal of quantities associated with Ravine Streets A and B (decrease of \$100,020.00). LSSE is reviewing punchlist items.

**O’Hara Park Trail Stabilization:**

Township was awarded two grants for project; LSSE has met with Township to review scope. LSSE provided the Township with a concept plan for review. LSSE provided the Township with the permit application and check request. Permit application to be submitted upon approval from the Township.

**Municipal Separate Storm Sewer System (MS4)**

1. PaDEP issued permit on November 26, 2018. PaDEP Inspection held on February 6, 2020. Permit renewal submission submitted to PADEP on April 12, 2023. 2023 Annual Report has been submitted. Outfall testing has been completed; summary memo provided in October.
2. PRP Projects:
  - a. **701 Alpha Drive:** LSSE transmitted concept plan to Township for review and comment on July 5, 2023. LSSE to prepare complete bid package for project.
  - b. **Epsilon Drive Stormwater Facility** – LSSE prepared record drawing and reviewed in-place quantities for discussion with Township Staff.
  - c. *Gamma Drive Stormwater Facility* – Work has been completed.
  - d. **Calmwood Stream Restoration:** PADEP issued permit on April 3, 2023. Township Public Works to complete; LSSE to assist as requested.

<b>Allegheny River – Sycamore Run</b>				
<b>Project</b>	<b>Status</b>	<b>Sediment Removed (lbs)</b>	<b>Project Cost</b>	<b>Cost per lb Removed</b>
Epsilon Drive	Completed	36,415		
Gamma Drive	Completed	28,655		
<b>Required Sediment Reduction (lbs)</b>		<b>54,859</b>		
<b>Anticipated Sediment Reduction (lbs)</b>		<b>65,070</b>		

<b>Little Pine Creek – Pine Creek</b>				
<b>Project</b>	<b>Status</b>	<b>Sediment Removed (lbs)</b>	<b>Project Cost</b>	<b>Cost per lb Removed</b>
Calmwood Stream Restoration	Permit Issued – to be Completed by Public Works	6,732	Public Works time and material costs	
<b>Required Sediment Reduction (lbs)</b>		<b>6,169</b>		
<b>Anticipated Sediment Reduction (lbs)</b>		<b>6,732</b>		

**Stormwater Utility Fee**

1. *LSSE assisting with Credit and Appeal Applications as requested.*

**Stormwater Management Plans**

<b>Project</b>	<b>SOA Provided</b>	<b>LSSE Authorized</b>	<b>Project Status</b>	<b>Preliminary OPC</b>	<b>Anticipated Construction</b>
Powers Run Stream Restoration	X	X	Chapter 105 Permit Submitted to DEP	\$152,500	Spring 2024
Powers Run Sanitary Sewer Relocation	X	X	Permit Issued	\$290,000	Spring 2024
Gamma Drive Detention Facility	X	X	Contract awarded to Contractor	\$239,844	Complete
Epsilon Drive Detention Facility	X	X	NPDES Submitted to ACCD	\$867,598	Complete
Pine Creek Stream Restoration	X	X	Permit Submitted to DEP		Spring 2024
Greenwood Cemetery Detention Facility 1	X	X	NPDES Permit Submitted to DEP	\$348,444	On Hold
Greenwood Cemetery Detention Facility 2	X	X	Chapter 105/106 Permit application has been submitted.	\$197,877	On Hold

1. **Powers Run Stream Restoration – 445-009-19.002**  
*Recent flooding washed out the existing 48" storm sewer that conveyed the stream to the culvert below Freeport Road.*  
**Action:** ACCD issued a PADEP GP-5 permit to relocate the sanitary sewer on January 19, 2021. \$100,000 in GEDF Funding for stream restoration; \$300,000 Township budget for sewer relocation. PaDEP has issued the Chapter 105 Permit. Bids to be opened at June 13 Council meeting. Bid Report issued on June 19, 2023. Work awarded to All Phase II Site Contracting, LLC in the amount of \$517,483.65 (Base Bid and Alternate No. 1). Pre-construction meeting held on August 31, 2023. LSSE provided the Township with U.S. Army Corps Acknowledgement and Agreement form for execution. **Work is ongoing.**
2. **Greenwood Cemetery Stormwater Facility – 445-009-19.015**  
**Pond No. 1 Action:** NPDES Permit issued February 4, 2022. LSSE provided Township Staff alternative pond configuration for consideration. Awaiting Township final negotiations with property owner for easements. **Project on hold.**  
  
**Pond No. 2 Action:** Dam Permit issued April 27, 2022. Awaiting Township final negotiations with property owner for easements. **Project on hold.**
3. **Woodland Park Stormwater Facility – 445-009-19.021**  
**Action:** LSSE provided draft construction plans for Township review. **Project on hold.**
4. **Grove Street Stormwater Facility**  
*LSSE started preparation of plans and runoff calculations.* **Project on hold.**
5. **Valley Drive Storm Sewer Improvements**  
**LSSE provided Service Order Authorization for Township review. Project on Hold.**

## Sycamore Run Flood Study

1. **Fox Chapel Road Levee:** *LSSE provided Service Order Authorization to Township.*
2. **Oak Hill Stream Alignment:** *LSSE provided Service Order Authorization to Township.*
3. **Master Hydraulic Model:** *LSSE has prepared a master hydraulic model for Sycamore Run and has modeled how the impacts of the Epsilon Alpha and Gamma stormwater facilities have on the watershed. Results provided to Township.*

## Sanitary Sewers

1. **Powers Run Flow Monitor:** *Data collection ongoing and will be for life of System. LSSE preparing quarterly flow data reports. LSSE installed flow monitor April 3, 2020. LSSE removed the flow monitor May 17, 2021.*

*Powers Run Flow Isolation Measurements were completed April 10, 2020. Findings were submitted to the Township July 9, 2020. CCTV review in red/orange areas is complete. A sanitary sewer repair scope has been developed. See O&M Plan section below in regards to the LOI/GROW submittal.*

2. **ALCOSAN Regionalization:** *Draft Agreement received from ALCOSAN for regionalization is under review by LSSE, the Township Manager and Township Solicitor. Over the next several months, ALCOSAN will be meeting with individual municipalities to discuss interest level, status, agreement comments, etc.*
3. **Phase 2 COA (ACHD):** *ACHD issued a letter dated accepting the Township's Source Flow Reduction Study Report. PaDEP approved the Interim CAP extension until June 30, 2021.*

*The Phase II COA was released by ACHD on September 1, 2021. The Phase II COA BDD report was submitted to ACHD on July 28, 2022. The Phase II COA Annual Progress Report was submitted to ACHD on June 30, 2023.*

For the remainder of this order, COA compliance tasks will include the following:

1. Continued sanitary sewer O&M (CCTV, MHPSs, repairs)
2. SSO reporting to ACHD as necessary
3. Annual Progress Report submittals

4. **Operation and Maintenance Plan / GROW Grants**

*Township to continue Operation and Maintenance Plan and efforts to remove extraneous water that enters the sanitary sewers. Township CCTV is currently under review to determine future source flow reduction repair scopes. Reimbursement for this work will be applied for under future GROW Grants. Meetings with ALCOSAN to initiate GROW Cycle 9 will begin towards the end of October.*

The GROW Grant Application for the 2017-2020 Powers Run Lining Project was submitted to ALCOSAN on July 31, 2020. The project was awarded a GROW Grant in the amount of \$52,400.00 at the October 22, 2020 ALCOSAN Board Meeting. The Grant Agreement has been executed (GROW ID 2020\_01-027). The first Request for Reimbursement for submittal to ALCOSAN has been drafted and submitted to ALCOSAN. Final GROW Report has been submitted to ALCOSAN in draft form. ALCOSAN to initiate grant closeout. GROW Progress Report was submitted on May 31, 2023.

The GROW Grant Application for the 2021 Sanitary Sewer Lining Repairs Project was submitted to ALCOSAN on July 31, 2021 for lining planned as part of the Township's ongoing O & M Program as part of the 2021 GROW funding cycle. The Township was awarded \$69,600.00 in grant funding. Project lining has been completed. Post construction flow monitor has been installed at A-85 POC. GROW Request for Reimbursement No. 1 submitted to ALCOSAN for review. LSSE received comments and a revised RFR has been drafted. Canceled checks and video files required to be submitted along with revised RFR#1. **CCTV video transmittal coordination with Insight Pipe ongoing.**

7. **Shady Lane / Delafield Stream Removal Project:** The Army Corp is taking the lead on the project. ALCOSAN and the Army Corp recently executed an agreement to move this project to the design phase. This agreement arranged for ALCOSAN to use a portion of their 25% project match to fund design costs. Future discussions will need to take place regarding municipal agreements before moving forward to the construction phase. An A/E Firm was selected but the fees requested were over the amount budgeted. Additional funding is needed to move forward per ALCOSAN. Project design firm to be selected. A project update meeting with ALCOSAN and the Army Corps of Engineers (USACE) was held in June 2023. The project is now being considered a separation project called the Delafield Avenue Stream Inflow Removal Project. 30% Design Drawings from USACE were provided by ALCOSAN on July 24, 2023.

### **Traisr**

1. LSSE updated Township Traisr files to include current Allegheny County parcel information. **TRAISR to provide cost for fleet upgrades as applicable.**

### **Grant Application Summary**

<b>Project</b>	<b>Grant Source</b>	<b>Grant Value</b>	<b>Township Match</b>	<b>Due Date</b>
ATV Purchase	DCNR	\$30,000	Overages	September 30, 2022 <b>Submitted</b>
Alpha Drive Sidewalks	PennDOT Multimodal	\$750,000	\$321,429	November 2022 <b>Submitted</b>
Powers Run Sanitary and Stream Restoration	CFA – Small Water and Sewer	\$425,000	\$75,000	December 21, 2022 <b>Submitted</b>
Alpha Drive Pond	CFA – Small Water and Sewer	\$300,000	\$55,000	December 21, 2022 <b>Submitted</b>
Greenwood Pond No. 2	CFA – Small Water and Sewer	\$225,000	\$39,743	December 21, 2022 <b>Submitted</b>
Woodland Park Pond	GEDTF	\$350,000	Overages	September 2023 <b>Submitted</b>
Fox Chapel Road Retaining Wall	GEDTF	\$500,000	\$102,500	September 2023 <b>Submitted</b>

<b>Project</b>	<b>Grant Source</b>	<b>Grant Value</b>	<b>Township Match</b>	<b>Due Date</b>
Mary Street Retaining Wall	GEDTF	\$450,000	Overages	September 2023 <b>Submitted</b>
Grove Street Pond	GEDTF	\$200,000	Overages	September 2023 <b>Submitted</b>
Freeport Road ADA Improvements	GEDTF	\$50,000	Overages	September 2023 <b>Submitted</b>
Woodland Park Pond	CFA Local Share Account	\$425,000.00	Overages	November 2023
Fox Chapel Road Retaining Wall	CFA Local Share Account	\$585,000.00	Overages	November 2023
Mary Street Retaining Wall	CFA Local Share Account	\$491,400.00	Overages	November 2023
Grove Street Pond	CFA Local Share Account	\$207,360.00	Overages	November 2023

### **Township Grant Award Summary**

<b>Project</b>	<b>Grant Source</b>	<b>Grant Value</b>	<b>Township Match</b>	<b>Anticipated Start Date</b>
Powers Run PRP Stream Restoration	GEDF	\$100,000.00	\$52,500.00	Fall 2023
Greenwood Cemetery Stormwater Facility	GEDF	\$100,000.00	\$446,321.00	Funding Withdrawn
O'Hara Park Trail Stabilization	DCNR	\$62,500	\$62,500	Summer 2023
O'Hara Park Trail Stabilization	CFA LSA	\$117,014	Overages	Summer 2023