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

DATE: September 1, 2022

S. O. No.: 0445-01

FROM: Kevin A. Brett, P.E.

cc: Charles Steinert, P.E.

SUBJECT: **Monthly Engineer's Report
 September 6, 2022 Meeting**

Following is a summary of the engineering work performed.

Roadway and Public Improvement Projects

2022 Roadway Improvement:

LSSE provided Township with Service Order Authorization. Township provided road list. LSSE finalizing bid package. Bids were opened on April 7, 2022; Bid Report issued April 8, 2022. Work was awarded to Youngblood Paving, Inc. List of roads awarded are as follows:

Road No.	Limits	Bid Price	Current Status
Base Bid		\$1,145,467.50	
Kappa Drive	Alpha Drive to 280 Kappa Drive		Paving Work Complete
Emily Drive	Dorseyville Road to Dead End		Paving Work Complete
Papercraft Avenue	Riverfront Road to Dead End		Paving Work Complete
Joanne Street (North)	Grove Street to Dead End		Removed from contract.
Field Club Road	Powers Run Road to Township Border		Paving Work Complete
Farmington Road	Dead End to Dead End		Paving Work Complete
Westchester Drive	Farmington Road to 107 Westchester Drive		Paving Work Complete
Westchester Plan	Westchester Drive to Cul-De-Sac		Paving Work Complete
Add Alternate No. 7 – Glenbrook Drive	Dorseyville Road to Cul-De-Sac		\$45,627.25
Add Alternate No. 8 – W. Marshall Drive	Oakhurst Road to Cul-De-Sac	\$92,823.75	Removed from contract

Pre-construction meeting held on May 19, 2022. Change Order has been approved to account for Asphalt Price Index Increase. Paving for 2022 complete, final review to be scheduled week September 6, 2022.

Freeport and Fox Chapel Road ADA Improvements:

LSSE provided Township with Service Order Authorization.

Municipal Separate Storm Sewer System (MS4)

1. PaDEP issued permit on November 26, 2018. PaDEP Inspection held on February 6, 2020. **LSSE to prepare Annual Progress Report for review with Township Staff in September 2022 as well as Annual Staff Training.**
2. PRP Plan – Calmwood Stream Restoration: *Permit application has been submitted. LSSE responded to PaDEP comments on March 3, 2022. Completeness review issued first week of June, DEP performing technical review. DEP response to be submitted September 2, 2022.*

Stormwater Utility Fee

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

Stormwater Management Plans

Project	SOA Provided	LSSE Authorized	Project Status	Preliminary OPC	Anticipated Construction
Powers Run Stream Restoration	X	X	Chapter 105 Permit Submitted to DEP	\$152,500	Spring 2022
Powers Run Sanitary Sewer Relocation	X	X	Permit Issued	\$290,000	
Gamma Drive Detention Facility	X	X	Contract awarded to Contractor	\$239,844	Winter 2021
Epsilon Drive Detention Facility	X	X	NPDES Submitted to ACCD	\$867,598	Fall 2022
Pine Creek Stream Restoration	X	X	Permit Submitted to DEP		
Greenwood Cemetery Detention Facility 1	X	X	NPDES Permit Submitted to DEP	\$348,444	Spring 2023
Greenwood Cemetery Detention Facility 2	X	X	Chapter 105/106 Permit application has been submitted.	\$197,877	Fall 2023

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. **LSSE to prepare bid documents.**

2. **Wood Valley Stormwater Detention Facility**
Detention Basin to be reviewed to improve stormwater detention.
Action: *LSSE provided a Service Order to the Township, awaiting authorization.*
3. **701 Alpha Drive Stormwater Pond**
Basin to be modified to obtain MS4 credits and provide additional rate control.
Action: *LSSE to develop a hydrologic model of the upstream watershed and develop conceptual options with cost estimates to modify the stormwater management facility. Awaiting Authorization.*
4. **Epsilon Drive Stormwater Facility – 445-009-19.007**
Currently there is no stormwater detention on Epsilon Drive and Alpha Drive in the vicinity of the Medrad Building.
Action: **NPDES Permit and GP 11 Permits issued on August 23, 2022.**
5. **Municipal Building Stormwater Improvements**
The Township has a stormwater detention facility that discharges to Squaw Run.
Action: *LSSE provided a Service Order to the Township, awaiting authorization.*
6. **VA Hospital Detention Basin Down Stream Flooding**
The Township is receiving excessive runoff on to the Municipal Building parcel from the storm sewer discharge that conveys runoff from the VA Hospital pond and Woodshire Drive.
Action: *LSSE provided a Service Order to the Township, awaiting authorization.*
7. **Woodshire Drive Open Space Stormwater Facility**
Currently there is no stormwater detention along Woodshire Drive. The Township owns the Woodshire Drive OpenSpace parcel that drains to the Municipal Building.
Action: *LSSE provided a Service Order to the Township, awaiting authorization.*
8. **Greenwood Cemetery Stormwater Facility – 445-009-19.015**
Pond No. 1 Action: *LSSE provided the Township Easement Exhibits and legal descriptions for the necessary easements for the Township to present to the property owners. NPDES Permit issued February 4, 2022. LSSE provided Township Staff alternative pond configuration for consideration. **Awaiting Township final negotiations with property owner for easements.***

Pond No. 2 Action: *LSSE submitted Chapter 105 permit application to PaDEP and ACCD for Basin No. 2. LSSE has revised plans to relocate access to the facility and is preparing the necessary easement exhibits and legal descriptions. LSSE responded to DEP comments on March 14, 2022. **Dam Permit issued April 27, 2022.***
9. **Woodland Park Stormwater Facility – 445-009-19.021**
The upstream drainage are to Woodland park is discharged uncontrolled.
Action: *LSSE submitted a draft summary report of potential stormwater reduction as a result of the proposed detention facility. **LSSE provided SOA for final design documents.***

10. **O'Hara Township Community Park**
Squaw Run makes a 90 degree turn at the low end of the Park. Floodwaters overtop the embankment in this location and flood Fox Chapel Road.
Action: *LSSE provided a Service Order Authorization to complete this work.*
11. **Kirkwood Drive at Lower Road**
The Township is interested in installing stormwater detention on the upstream side of Kirkwood to reduce downstream flooding.
Action: *PennDOT to obtain permits and prepare design.*
12. **701 Alpha Drive**
LSSE provided Service Order Authorization to Township.
13. **Grove Street Detention Facility**
LSSE provided Service Order Authorization to Township.
14. **VA Hospital Detention Basin**
LSSE provided Service Order Authorization to Township.

Squaw 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.*

Sanitary Sewers

1. **Powers Run Flow Monitor:** *Data collection On-going 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 drafted. Repair scope to be reviewed / modified as necessary in conjunction with anticipated Phase II COA requirements. 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. Solicitor has been meeting to review. ALCOSAN held a Zoom Briefing in regards to the Modified Transfer Agreement on January 25, 2021. Over the next several months, ALCOSAN will be meeting with individual municipalities to discuss interest level, status, agreement comments, etc.*
3. **Phase I COA (ACHD) / Interim CAP (PaDEP) / Phase 2 COA (ACHD):** *LSSE transmitted the Source Flow Reduction Study Report on November 30, 2017. ACHD issued a letter dated accepting the Township's Source Flow Reduction Study Report. PaDEP approved the Interim CAP extension until June 30, 2021.*

Draft form emailed out by 3RWW to municipalities on August 13, 2021. The Phase II COA was released by ACHD on September 1, 2021. LSSE presented a brief overview at October 5, 2021 Council Workshop. ACHD is requesting that signed COAs be forwarded back to ACHD by October 31, 2021. The initial task is the Exhibit 'B' Base Line Due Diligence period which is due six-months after execution. LSSE installed two flow monitors in the Delafield/Shady Lane sewershed to verify the flow contribution from O'Hara sanitary sewers tributary to ALCOSAN POC A-78 on July 7, 2021 as part of the Base Line Due Diligence period. A third monitor was installed downstream of the Chapel Harbor neighborhood. Data collection ongoing. Preliminary findings of this data show the individual O'Hara sewer contributions along Valley Drive and Virginia Avenue Ext are below the GLS.

The Phase II COA BDD report was submitted to ACHD on July 28, 2022.

4. **Operation and Maintenance Plan**

*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. LSSE assisted the Township in preparation and submission of an application for funding 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 initiated. **GROW Request for Reimbursement to be submitted upon receipt of post-lining CCTV. Post construction flow monitor has been installed at A-85 POC.***

*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. 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.***

5. **East Little Pine Creek Lift Station**

LSSE reviewing pump station and will provide recommendations for odor control improvements. Teleloggers being installed week of April 25, 2022 to document the reaction in the sewage and determine the amount of additive needed to prevent odors from the forcemain.

6. **Lower Road Sewer Repair**

Permit was issued February 2, 2022. Township to submit self-certification upon completion of the work.

Traisr

1. *LSSE updated Township Traisr files to include current Allegheny County parcel information.*

2022 Grant Application Summary

Project	Grant Source	Grant Value	Township Match	Due Date
Powers Run Sanitary	CFA LSA	\$347,300	Overages	March 15, 2022 – Submitted
Epsilon Stormwater	CFA LSA	\$805,000	Overages	March 15, 2022 – Submitted
O’Hara Park Trail Stabilization	CFA LSA	\$125,000	Overages	March 15, 2022 - Submitted
O’Hara Park Trail Stabilization	DCNR	\$62,500	\$62,500	April 6, 2022 Submitted
PRP Improvements	CFA Watershed Restoration	\$112,750	\$20,000	May 31, 2022 Submitted
O’Hara Park Trail Stabilization	CFA GTRP	\$106,200	\$18,800	May 31, 2022 Submitted
Alpha Drive	CFA Multimodal	\$750,000	\$321,429	July 31, 2022 Submitted
ATV Purchase	DCNR	\$30,000	Overages	September 30, 2022
Alpha Drive Sidewalks	PennDOT Multimodal	\$750,000	\$321,429	November/December 2022
	GEDTF			Due September 23, 2022

Township Grant Award Summary

Project	Grant Source	Grant Value	Township Match	Anticipated Start Date
Powers Run PRP Stream Restoration	GEDF	\$100,000.00	\$52,500.00	Spring 2022
Greenwood Cemetery Stormwater Facility	GEDF	\$100,000.00	\$446,321.00	Spring 2022