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

DATE: September 3, 2021

S. O. No.: 0445-01

FROM: Kevin A. Brett, P.E.

cc: Charles Steinert, P.E.

SUBJECT: **Monthly Engineer's Report
 September 7, 2021 Meeting**

Following is a summary of the engineering work performed.

Roadway and Public Improvement Projects

2021 Roadway Improvement:

*Bids were opened on March 15, 2021. Shields Asphalt Paving Inc., was the apparent low bidder for the Contract. Summary of results for O'Hara Township is below (Roads listed in **Bold** awarded; roads highlighted are completed):*

<i>Road No.</i>	<i>Limits</i>	<i>Bid Price</i>
Base Bid		
Kappa Drive	280 Kappa Drive to Zeta Drive	\$413,349.00
Weir Drive	Oakhurst Drive to Cul-De-Sac	
Meadow Heights Drive	Grove Street to Cul-de-Sac	
Joanne Street (North)	Grove Street to Dead End	
Joanne Street (South)	Grove Street to Cul-de-Sac	
Alleyne Drive	Joanne Street to Dowling Drive	
Dowling Drive	Alleyne Drive to Cul-de-Sac	
Sacco Park	Kirkwood Drive to Dead End	
Division Street	Kittanning Pike to End	
Add Alternate No. 6 – Fox Ridge Farms Drive	Kittanning Pike to Cul-de-Sac	
Add Alternate No. 7 – Davonshire Drive	Dorseyville Road to Cul-De-Sac	\$72,954.90
<i>Add Alternate No. 8 – Papercraft Avenue</i>	<i>Riverfront Drive to Water Street</i>	<i>\$142,668.82</i>
Add Alternate No. 9 – Village Drive	Kittanning Pike to End	\$34,427.74
Add Alternate No. 10 – Village Drive	Dorseyville Road to End	\$61,031.40
Add Alternate No. 11 – Fairgrove Drive	Davonshire Drive to Cul-de-Sac	\$30,421.99
Add Alternate No. 12 – Queens Court	Davonshire Drive to Cul-de-Sac	\$24,767.99
<i>Add Alternate No. 13 – Field Club Road</i>	<i>Powers Run Road to Township Border</i>	<i>\$277,986.59</i>

Work was awarded to Shields Asphalt Paving, Inc. as noted in letter dated April 7, 2021. Pre-Construction Meeting held on April 28, 2021. **Construction is ongoing.**

Municipal Separate Storm Sewer System (MS4)

1. PaDEP issued permit on November 26, 2018. PaDEP Inspection held on February 6, 2020. Outfall screening is complete; LSSE provided summary memo on August 18, 2020. LSSE submitted Annual Progress Report to PaDEP. **Outfall testing summary memo has been provided. Annual Progress Report is due September 30; LSSE to meet with Staff to review on September 16 and discuss staff training.**
2. PRP Plan: LSSE completed field review of proposed stream improvement location. **LSSE is preparing permit documents and plans.**
3. Growing Greener Grant: LSSE submitted Grant Application for Proposed PRP Stream Improvements.
4. Watershed Restoration: LSSE submitted Grant Application for Proposed PRP Stream Improvements

Stormwater Utility Fee

1. Fee presentation held at Council meeting on March 10, 2020. Public Meeting held on June 30, 2020. LSSE provided comment on the Township Fee Credit Policy for review by Council. Second reading held August 11, 2020. Fee adopted by Council at its August 11, 2020 meeting. LSSE provided information to Jordan Tax Service for initiation of billing in September. LSSE met with Township staff to review credit and appeal applications. **LSSE updating Traisr to include fee data. 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	Permit Submitted to DEP	\$152,500	Spring 2022
Powers Run Sanitary Sewer Relocation	X	X	Permit Issued	\$290,000	
Grey Fryer Detention Facility	X	X	Contract awarded to Contractor	\$186,594	Fall 2021
Gamma Drive Detention Facility	X	X	Contract awarded to Contractor	\$239,844	Fall 2021
Epsilon Drive Detention Facility	X	X	NPDES Submitted to ACCD	\$357,544	Fall 2021
Pine Creek Stream Restoration	X	X	LSSE Preparing Plans and Easement Exhibits, Township negotiating acquisition of property		
Greenwood Cemetery Detention Facility 1	X	X	LSSE Preparing Plans and Easement Exhibits, Township negotiating acquisition of property	\$348,444	Spring 2022

Project	SOA Provided	LSSE Authorized	Project Status	Preliminary OPC	Anticipated Construction
Greenwood Cemetery Detention Facility 2	X	X	LSSE Preparing Chapter 105/106 Permit application	\$197,877	Fall 2022

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. O'Hara Township would like to reroute the sanitary sewer around the damaged area and re-establish the stream channel in this area.

Action: *LSSE provided the Township with a Plan and Cost Estimate to permanently repair the sanitary sewer. 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 issued comments to the Chapter 105 on April 23, 2021. LSSE transmitted response to comments on May 20, 2021. **Awaiting DEP Review.***

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: *LSSE is preparing the preliminary design plans. LSSE reviewed Geotechnical proposals as noted in letter dated February 11, 2021; it is recommended to award to CEC, Inc. CITF Application submitted. Township to obtain access from property owners so Geotech can start the boring work. LSSE provided easement exhibits for Township to present to property owners. **NPDES Permit has been submitted to ACCD for review.***

5. Gamma Drive Ext Stormwater Facility – 445-009-19.008

Currently there is no stormwater detention along Gamma Drive Ext. The Township owns an open space parcel along Gamma Drive.

Action: *LSSE is preparing the preliminary design plans. CITF Application submitted. LSSE provided easement exhibits for Township to present to property owners. **Construction anticipated to start in late September.***

6. 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.*

- 7. 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.*
- 8. 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.*
- 9. Briarcliff Parkette Stormwater Facility**
The Township owns the property for Briarcliff Parkette. All upstream runoff is concentrated to a discharge just downstream of the parkette.
Action: *LSSE provided a Service Order to the Township, awaiting authorization.*
- 10. Highmeadow Road Flooding Complaint**
The Township has received flooding complaints from the residents downstream of Highmeadow Road.
Action: *LSSE provided a Service Order to the Township, awaiting authorization.*
- 11. Greenwood Cemetery Stormwater Facility – 445-009-19.015**
Greenwood Cemetery does not have stormwater management facilities.
Action: *LSSE provided the Township Easement Exhibits and legal descriptions for the necessary easements for the Township to present to the property owners. LSSE is preparing the plans for Basin No. 1 and the NPDES permit documents for submission. LSSE is preparing PADEP Chapter 105/106 permit application package for Basin No. 2 as directed by PADEP.*
- 12. Briarcliff Pond No. 2**
Township would like to review the stormwater pond and determine what improvements can be made to the facility.
Action: *LSSE provided a Service Order to the Township, awaiting authorization.*
- 13. Briarcliff Pond No. 1 – 445-009-19.018**
Township would like to review the stormwater pond and determine what improvements can be made to the facility.
Action: *LSSE prepared Conceptual Plan with OPC for review by the Township.*
- 14. George Sacco Park Stormwater Facility**
PennDOT is discharging uncontrolled stormwater on the Township property.
Action: *LSSE provided a Service Order to the Township, awaiting authorization.*
- 15. Woodland Park Stormwater Facility – 445-009-19.021**
The upstream drainage are to Woodland park is discharged uncontrolled.
Action: *LSSE preparing Conceptual Plan with OPC. LSSE to schedule field meeting with Township to review site conditions.*

16. **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.*

17. **Greyfriar Drive Stormwater Facility - 445-009-19.023**
The Township is interested in installing stormwater detention along Greyfriar Drive to reduce downstream flooding.
Action: *LSSE has prepared a preliminary analysis of potential stormwater detention for review with Township Staff for comment. LSSE is reviewing shop drawings from Contractor (Pugliano Construction).*

18. **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.*

19. **Squaw Run Flood Study**
LSSE to hold a joint meeting between O'Hara Township and Fox Chapel Borough to discuss the next steps.

Sanitary Sewers

1. LSSE working on Engineering Services relating to the ACO:
 - *In July 2020, municipal representatives, DEP and the Allegheny County Health Department met virtually to continue finalizing the next round of municipal consent orders. It was a positive meeting during which the parties noted that the first two years of the consent orders will involve primarily municipal planning of source reduction projects before true capital investment will be necessary. They also discussed the opportunities for communities to collaborate on joint projects for more cost savings and strategic source reduction efforts.*
 - *Feasibility Study was submitted to the Health Department prior to July 31, 2013 deadline. Borough Manager sent letter extending CAP request in January. 2020 CAP approval was received.*

2. **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.

3. **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.*
4. **Phase I Interim COA (ACHD):** *LSSE transmitted the Source Flow Reduction Study Report on November 30, 2017. ACHD issued a letter dated accepting the Borough's Source Flow Reduction Study Report. PaDEP approved the Interim CAP extension until December 31, 2020.*

A Phase II COA release is eminent, which will likely include a requirement for a 10% reduction in flows incorporated into Order. Draft form emailed out by 3RWW to municipalities on August 13, 2021. 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.

5. **Operation and Maintenance Plan**

*Borough 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 met with ALCOSAN on November 9, 2020 to discuss potential 2021 GROW application. A Letter of Interest (LOI) was submitted to ALCOSAN on March 31, 2021 for potential source flow reduction sewer repairs in the Powers Run sewershed. ALCOSAN sent an invitation to submit for the GROW Application for this project which is due June 30, 2021. **GROW Application submitted June 25, 2021.***

*GROW Cycle 5 has started. 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 to be drafted.***

Traisr

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

DCNR Grant Applications

1. *LSSE submitted DCNR grant application for Trail Stabilization for the O'Hara Township Community Park.*
2. *LSSE submitted DCNR grant application for ATV purchase to be used for maintenance of trail systems and park facilities.*

DCED Grant Applications

1. Watershed Restoration: *LSSE submitted grant application for Stream Improvements Project for PRP Project.*
2. Greenways, Trails & Recreation: *LSSE submitted grant application for Trail Stabilization for the O'Hara Township Community Park.*

Growing Greener Grant Applications

1. *LSSE submitted grant application for Stream Improvements Project for PRP Project.*

Township Grant Summary

Project	Grant Source	Grant Value	Township Match	Anticipated Start Date
Powers Run PRP Stream Restoration	GEDF	\$100,000.00	\$52,500.00	Fall 2021
Greenwood Cemetery Stormwater Facility	GEDF	\$100,000.00	\$446,321.00	Spring 2022