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

DATE: January 26, 2022
 S. O. No.: 0445-01

FROM: Kevin A. Brett, P.E.

cc: Charles Steinert, P.E.

SUBJECT: **Monthly Engineer's Report
 February 1, 2022 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):*

<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	\$36,750.74
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. Pavement construction completed, restoration started and final punch list pending. LSSE issued punchlist on October 25, 2021. LSSE to review punchlist work with Township. LSSE transmitted Pay Request No. 1 in the amount of \$557,881.79 as noted in letter dated December 16, 2021. **Currently \$14,817.48 is being held as retainage and remains to be paid in 2022 upon completion of remaining punchlist items; LSSE to follow-up on punchlist status.***

2022 Roadway Improvement:

*LSSE provided Township with Service Order Authorization. **LSSE to schedule kickoff meeting with Township Staff.***

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. 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. Progress Report has been submitted.*
2. **PRP Plan – Calmwood Stream Restoration: LSSE completed field review of proposed stream improvement location. LSSE is preparing permit documents and plans. Permit application has been submitted.**
3. **PRP Amendment: LSSE transmitted draft PRP report for public review and comment. Amendment to be discussed at March Council meeting for Public Comment.**

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 Traisor 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	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	Summer 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 2022
Greenwood Cemetery Detention Facility 2	X	X	Chapter 105/106 Permit application has been submitted.	\$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.

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 issued comments to the Chapter 105 on April 23, 2021. LSSE transmitted response to comments on May 20, 2021. ACCD approved the E&S Plan on August 12, 2021. **PADEP provided comments on January 12, 2022. LSSE finalizing revised submission week of January 24, 2022.**

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 submitted response to ACCD on October 6, 2021. ACCD issued completeness review notification on October 22, 2021. **Awaiting Technical Review of permit by PADEP. LSSE revised plans to address comments from Township and prepared revised easement exhibits as requested. LSSE submitted revised NPDES application documents on January 12, 2022.**

- 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: *CITF Application submitted. LSSE provided easement exhibits for Township to present to property owners. Construction anticipated to start in December. **Construction On Going.***
- 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 PADEP Chapter 105/106 permit application package for Basin No. 2 as directed by PADEP. LSSE submitted NPDES Permit Application for Greenwood Cemetery Pond No. 1 on November 15, 2021. **LSSE submitted Chapter 105 permit application to PADEP and ACCD for Basin No. 2.***
- 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: **Awaiting final stabilization.**

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. On Going.

20. **701 Alpha Drive**
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. Mapping updates are required in the Fox Chapel Harbor area to determine the updated status for the lower portions of the Squaw Run Interceptor.***

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.***

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.

5. East Little Pine Creek Lift Station

LSSE reviewing pump station and will provide recommendations for odor control improvements.

6. Lower Road Sewer Repair

LSSE has completed the topographic surveys and has commenced preparation of the PADEP General Permit No. 5. LSSE issued Act 14 notifications on November 15, 2021. PADEP General Permit was submitted on December 20, 2021. LSSE provided response to ACCD on January 14, 2022.

Traisr

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

DCNR Grant Applications

1. *O'Hara Township Community Park: 2021 Application was not funded. LSSE is preparing grant application for resubmission.*

DCED Grant Applications

1. Watershed Restoration: **2021 Grant application was not funded.**
2. Greenways, Trails & Recreation: **2021 Application was not funded. LSSE is preparing grant application for resubmission.**

Growing Greener Grant Applications

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

GEDTF Grant Applications

1. *LSSE submitted grant application for Epsilon Drive Stormwater Basin for PRP Project. Grant request in the amount of \$500,000.00. Township's required match is \$717,872.00. **2021 grant application was not funded.***
2. *LSSE submitted grant application for Powers Run Road Sanitary Sewer Improvements. Grant request in the amount of \$300,000.00. **2021 grant application was not funded.***
3. *LSSE submitted grant application for Fox Chapel Road Retaining Wall Improvements. Grant request in the amount of \$500,000.00. Township's required match is \$102,500.00. **2021 grant application was not funded.***

PENNDOT Multimodal Transportation Grant Applications

1. LSSE submitted a grant application for sidewalk construction and pedestrian lighting along Alpha Drive. Grant request in the amount of \$750,000.00.

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	Spring 2022
Greenwood Cemetery Stormwater Facility	GEDF	\$100,000.00	\$446,321.00	Spring 2022