

FERGUSON TOWNSHIP BOARD OF SUPERVISORS
Regular Meeting Agenda
Monday, July 20, 2020, 7:00 PM

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I. CALL TO ORDER

II. CITIZENS INPUT

III. APPROVAL OF MINUTES

1. July 20, 2020, Board of Supervisors Regular Meeting
2. July 21, 2020 Capital Improvement Program Special Meeting Minutes
3. July 22, 2020 Capital Improvement Program Special Meeting Minutes

IV. SPECIAL REPORTS

- a. COVID-19 (Coronavirus) Response Report
- b. Schlow Centre Region Library Report – Lewis Steinberg, Esq.
- c. Communications Report – Centrice Martin, Assistant to the Manager

V. UNFINISHED BUSINESS

1. Final Land Development Plan – Thistlewood Lot 19
2. Authorization of 2021-2025 CIP Program Budget for Public Hearing

VI. NEW BUSINESS

1. Consent Agenda
2. Public Hearing Act 537 Sewage Facilities Plan Update Resolution
3. Public Hearing Noise Exemption Request for Pine Grove Hall Resolution
4. Public Hearing PA Dept. of Health COVID-19 Safety Directive Support Resolution
5. The Yards at Old State (The Cottages at State College) Final PRD Plan Amendment
6. Ferguson Township Police Department Response Report
7. Fire Code and Safety Regulations Report
8. CATA Fiscal Years 2021/2022 and 2023/2024 Local Capital Match Plan

VII. REPORTS

1. COG Committee Reports
2. Other Regional Reports
3. Staff Reports

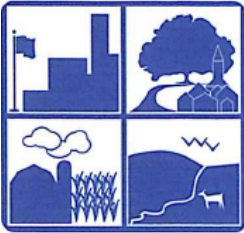
VIII. COMMUNICATIONS TO THE BOARD

IX. CALENDAR ITEMS – AUGUST

X. ADJOURNMENT



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TOWNSHIP OF FERGUSON

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Board of Supervisors Regular Meeting Agenda Monday, August 3, 2020 7:00 P.M.

- I. **CALL TO ORDER**
- II. **CITIZEN'S INPUT**
- III. **APPROVAL OF MINUTES**
 - 1. July 20, 2020, Board of Supervisors Regular Meeting Minutes
 - 2. July 21, 2020 Capital Improvement Program Special Meeting Minutes
 - 3. July 22, 2020 Capital Improvement Program Special Meeting Minutes
- IV. **SPECIAL REPORTS** 30 minutes
 - 1. COVID-19 (Coronavirus) Response Report – David Pribulka, Township Manager
 - 2. Schlow Centre Region Library Report – Lewis Steinberg, Esq.
 - 3. Communications Report – Centrice Martin, Assistant to the Manager
- V. **UNFINISHED BUSINESS**
 - 1. **FINAL LAND DEVELOPMENT PLAN – THISTLEWOOD LOT 19** 20 minutes

Narrative

Provided with the agenda is a copy of the final land development plan submitted by Penn Terra Engineering, Inc., on behalf of their client, Eric Reischer. The plan proposes the construction of a single-family home, approximately 3,925-square feet on Lot 19 (180 Treetops Drive; T.P. 24-746-007) within the Thistlewood Development. The parcel is 1.816 acres and is zoned Rural Residential (RR). As per the Thistlewood Subdivision Plan dated September 24, 2004, revised March 16, 2005, certain lots are required to complete a land development plan because of the topography, conservation easements, soil types, potential sinkhole development, and wetlands at the development location. Lot 19 is situated in an area where sinkhole development, flooding and drainage problems may arise. Therefore, an indemnity or "hold harmless" agreement must be submitted along with the plan. Due to the severe slope on this property, a modification/waiver request was submitted and the Board of Supervisors granted relief from select erosion and grading controls to allow for construction of the home at their July 20, 2020, regular meeting. The Planning Commission reviewed this plan at their July 27, 2020, Regular Meeting and recommended that the Board of Supervisors approve the final land development plan for Thistlewood Lot 19. Included with the agenda is a memorandum dated July 28, 2020, from the Director of Planning and Zoning summarizing the proposed land development plan and outstanding staff comments.

Recommended Motion: That the Board of Supervisors approve the Final Land Development Plan for Thistlewood Lot 19.

Staff Recommendation

That the Board of Supervisors **approve** the Final Land Development Plan.

**2. AUTHORIZATION OF 2021 – 2025 CAPITAL IMPROVEMENT PROGRAM BUDGET
FOR PUBLIC HEARING** 30 minutes

Narrative

As provided for in Chapter One, Administration and Government; Section 902 of the Ferguson Township Code of Ordinances, the Township Manager shall submit a five-year Capital Improvement Program Budget to the Board of Supervisors annually. The DRAFT 2021 – 2025 Capital Improvement Program Budget (CIP) includes a summary of major Township expenditures proposed across each department for five fiscal years. Capital items are generally defined as any item costing over \$2,500 and having a projected useful life of one year or more; however, additional items have been included in the CIP to help make it a more effective planning document. Despite its name, the CIP is not a budget – meaning it does not authorize the expenditure of Township funds. Rather, it is meant to serve as a tool to help guide the Township in its planning for largescale expenditures to better ensure financial resiliency. A link to the current draft can be found below the narrative. The Board conducted Special Meetings on July 21st and 22nd, but did not formally approve changes to the draft, opting instead to discuss and approve any changes this evening prior to the public hearing on September 8th. Provided with the agenda is a memorandum from the Township Manager and Finance Director summarizing the changes discussed by the Board and deferred for consideration tonight.

Dave Pribulka, Township Manager will introduce the CIP, and Eric Endresen, Director of Finance will provide a short presentation summarizing its contents. This evening, the Board is being asked to review the document, incorporate any changes, and authorize advertisement of a public hearing on the 2021 – 2025 Capital Improvement Program Budget for Tuesday, September 8th.

[DRAFT 2021 – 2025 Ferguson Township Capital Improvement Program Budget](#)

Recommended Motion: That the Board of Supervisors authorize advertisement of the 2021 – 2025 Capital Improvement Program Budget for public hearing on Tuesday, September 8, 2020.

Staff Recommendation

That the Board of Supervisors **authorize** the 2021 – 2025 Capital Improvement Program Budget for public hearing on September 8th.

VI. NEW BUSINESS

1. CONSENT AGENDA 5 minutes

- a. 2020-C8, Pay Application #3, Pavement Markings: \$13,869.90
- b. 2018-PWGG, Pay Application #2: \$51,053.00
- c. DRAFT Sign Ordinance Amendment
- d. Treasurer’s Report – June for acceptance
- e. The Cottages Surety Reduction #1: \$654,820.57

**3. A PUBLIC HEARING ON A RESOLUTION OF THE TOWNSHIP OF FERGUSON,
CENTRE COUNTY, PENNSYLVANIA (hereinafter the “Municipality”) ADOPTING AN
ACT 537 PLAN UPDATE.** 10 minutes

Narrative

Provided with the agenda is a copy of the resolution advertised for public hearing adopting an Act 537 Plan Sewage Facilities Plan Update to upgrade the Scott Road Pump Station and force main. The item was referred to member municipalities of the University Area Joint Authority (UAJA) for approval, with

the intention of upgrading and increasing the capacity of the Scott Road Pump Station and the Bristol Interceptor. As part of the special study undertaken by UAJA, several alternatives were evaluated by the Centre Region, and the recommended project was determined to be the optimal solution to address the problems with the pump station. Currently, the pump station must be supplemented by mobile pumping trucks when the infrastructure is inundated with stormwater after significant rain events.

Recommended Motion: That the Board of Supervisors adopt the resolution adopting an Act 537 Sewage Facilities Plan Update.

Staff Recommendation

That the Board of Supervisors **adopt** the resolution.

- 4. A PUBLIC HEARING ON A RESOLUTION OF THE TOWNSHIP OF FERGUSON, CENTRE COUNTY, PENNSYLVANIA CONFIRMING THE TOWNSHIP'S SUPPORT OF THE PETITION OF PROPERTY OWNER "PGH REAL ESTATE HOLDINGS, LLC." TO SUBSTITUTE THE MUNICIPAL NOISE ORDINANCE FOR THE PENNSYLVANIA LIQUOR CONTROL BOARD'S REGULATION ON PROPERTIES LOCATED AT 101 EAST PINE GROVE ROAD AND 115 EAST PINE GROVE ROAD. 10 minutes**

Narrative

Provided with the agenda is a copy of a resolution advertised for public hearing to supplement an application from the owner of Pine Grove Hall, Elizabeth Grove, to obtain a noise exemption from the Pennsylvania Liquor Control Board. As required by PLCB procedures, the resolution cites the Township's noise ordinance and states the intention of the Township to enforce its regulations in place of the PLCB restrictions. If adopted, the resolution would permit indoor music to be played at the Hall within the parameters and restrictions established in the noise ordinance. Also provided with the agenda is a copy of the legal opinion from the PLCB describing this procedure.

Recommended Motion: That the Board of Supervisors adopt the resolution confirming the Township's support of the petition of property owner "PGH Real Estate Holdings, LLC." to substitute the municipal noise ordinance for the Pennsylvania Liquor Control Board's regulation on properties located at 101 East Pine Grove Road and 115 East Pine Grove Road.

Staff Recommendation

That the Board of Supervisors **adopt** the resolution.

- 5. A PUBLIC HEARING ON A RESOLUTION OF THE TOWNSHIP OF FERGUSON, CENTRE COUNTY, PENNSYLVANIA AFFIRMING SUPPORT FOR THE PENNSYLVANIA DEPARTMENT OF HEALTH DIRECTIVES ON UNIVERSAL MASKING AND SOCIAL DISTANCING TO COMBAT THE COVID-19 PANDEMIC. 10 minutes**

Narrative

Provided with the agenda is a copy of the resolution advertised for public hearing affirming support for Governor Wolf's and the Pennsylvania Department of Health's directives on safety protocol to combat the spread of COVID-19. Specifically, the resolution impresses the importance of masking and social distancing in public spaces to prevent contamination. The resolution was authorized for advertisement by the Board at the July 20th Regular Meeting, and a discussion followed on the enactment of an ordinance to require Township businesses enforce the Governor's directives. After consideration of the ordinance, the Board is asked to provide direction to staff on whether or not to pursue drafting an ordinance for review at an upcoming Regular Meeting.

Recommended Motion: That the Board of Supervisors adopt the resolution affirming support for the Pennsylvania Department of Health directives on Universal Masking and Social Distancing to combat the COVID-19 pandemic.

Staff Recommendation

That the Board of Supervisors **adopt** the resolution.

6. THE YARDS AT OLD STATE (THE COTTAGES AT STATE COLLEGE) FINAL PLANNED RESIDENTIAL DEVELOPMENT PLAN AMENDMENT 20 minutes

Narrative

State College Apartments, LLC has submitted a request for amendments to their approved Final PRD Plan to include modifications to the patios (eliminate) and sidewalks (add additional) as shown in the highlighted red outline on Sheet 4 of the plan, as well as an updated lighting plan (Sheet 19), all included with the agenda. The applicant is not increasing impervious coverage and Township Staff has reviewed the requested modifications and is recommending approval pending any outstanding comments on the lighting plan review from Scott Brown's, NTM Engineering, memorandum. Per §27-407, Planned Residential Development, 8. Post Final, the procedure to amend a Final PRD Plan after it has been approved is to request approval from the Board of Supervisors. A representative from Penn Terra Engineering will be present to review the revised plan. Provided with the agenda is Sheet 4 and Sheet 19 highlighting the requested modifications.

Recommended Motion: That the Board of Supervisors approve the amendment to the Cottages at State College Final Planned Residential Development Plan pending outstanding staff comments.

Staff Recommendation

That the Board of Supervisors **approve** the amendment.

7. FERGUSON TOWNSHIP POLICE DEPARTMENT RESPONSE REPORT 30 minutes

Narrative

At its Regular Meeting on July 6th, the Board of Supervisors directed staff to provide a report to the Board on Police Response incorporating the items described in Mr. Mitra's initial request. Provided with the agenda is a copy of the report including summaries of training provided; calls with a mental health component; ambulance calls; domestic violence calls; and use of force incidents. Much of the information was derived from the Chief of Police's Board Report, while other information included has been censored where required by law. Chief Albright will introduce the item and provide a verbal report. No action is required by the Board on this matter.

Staff Recommendation

That the Board of Supervisors **receive** the report.

8. FIRE CODE AND SAFETY REGULATIONS REPORT

20 minutes

Narrative

Provided with the agenda are several documents to supplement a verbal report requested by the Board of enforcement of fire code and safety regulations in Ferguson Township. First, Chapter 7, Fire Safety Requirements of the 2017 Building Safety and Property Maintenance Code with Section 708.3.3 Open Burning highlighted. Second, a report provided by the Centre Region Code Administration on open burn permits issued by zoning district in Ferguson Township from 2018 to date. Lastly, included with the

agenda is information relative to the burning of refuse and leaves provided by the Pennsylvania Department of Environmental Protection. Chief Albright and Dave Pribulka, Township Manager, will provide the report. No action is required by the Board on this matter.

Staff Recommendation

That the Board of Supervisors *receive* the report.

**9. CENTRE AREA TRANSPORTATION AUTHORITY FISCAL YEARS 2021/2022 AND
2023/2024 CAPITAL LOCAL MATCH PLAN** 10 minutes

Narrative

At the July 27th meeting of the COG General Forum, a motion was approved to refer the Fiscal Year 2021/2022 through FY 2023/2024 capital local match plan of the Centre Area Transportation Authority to the participating municipalities for approval. Federal and state regulations require a capital local match in order for CATA to access Federal Transit Administration and PennDOT funding, and for the first time in FY 2013/14, CATA embarked on a multi-year capital local match plan. At that time, it was a five-year plan that gradually increased a capital local match to fund our facility expansion project, and a three-year capital local match plan followed with significantly reduced contribution totals. At the time that plan was approved because operating local match share is at legislated minimums. The COG Finance Committee voted to have CATA present to the Finance Committee when it was time to approve a new plan. FY 2020/21 is the last of the three years for that plan.

The FY 2021/22 – FY 2023/24 capital local match plan has been provided with the agenda, and again proposes a set amount for three years with no increase to annual totals and maintains a capital reserve account ending balance similar to past results. Individual municipal capital local match shares will be calculated annually based on the CATA formula.

Recommended Motion: That the Board of Supervisors approve the Centre Area Transportation Authority Capital Local Match Plan for fiscal years 2021/2022 and 2023/2024.

Staff Recommendation

That the Board of Supervisors *approve* the CATA Capital Local Match Plan.

VII. STAFF AND COMMITTEE REPORTS

- 1. **COG COMMITTEE REPORTS** 10 minutes
 - a. Executive Committee
 - b. Transportation & Land Use Committee
- 2. **OTHER COMMITTEE REPORTS** 5 minutes
- 3. **STAFF REPORTS** 15 minutes
 - a. Manager's Report
 - b. Public Works Director
 - c. Planning & Zoning Director

VIII. COMMUNICATIONS TO THE BOARD

IX. CALENDAR ITEMS – AUGUST

X. ADJOURNMENT

FERGUSON TOWNSHIP BOARD OF SUPERVISORS

Regular Meeting
Monday, July 20, 2020
7:00 PM

ATTENDANCE

The Board of Supervisors held its second regular meeting of the month on Monday, July 20, 2020, via Zoom. In attendance were:

Board: Steve Miller, Chairman
Laura Dininni
Prasenjit Mitra
Patty Stephens
Lisa Strickland

Staff: Dave Pribulka, Township Manager
Jenna Wargo, Planning/Zoning Director
Chris Albright, Chief of Police
Dave Modricker, Public Works Director
Centrice Martin, Assistant to the Manager
Eric Endresen, Finance Director

Others in attendance included: Faith Norris, Recording Secretary; John Spychalski, CATA; Louwana Oliva, CATA; Bill Keough, Parks & Recreation Authority Representative; Anthony Frucht, PennTerra; Charles Suhr, Stephens & Lee; Jeremie Thompson, Resident; Eric Reischer, Resident; Dwight Ferguson, Resident; Jennifer Moeny, Resident.

I. CALL TO ORDER

Mr. Miller called the Monday, July 20, 2020, regular meeting to order at 7:00 p.m.

Mr. Pribulka noted that the Board of Supervisors meeting had been advertised as a virtual meeting via Zoom and C-NET is recording as well. There is also an audio conference bridge that is accessible by accessing the Ferguson Township's main line at 814-238-4651 and then dialing extension 3799. Per the Sunshine Act, which allows during a time of disaster recovery to meet virtually, but it also requires that a Roll Call be taken and that elected officials verbally respond. Mr. Pribulka took Roll Call and there was a quorum.

II. CITIZENS INPUT

None.

III. APPROVAL OF MINUTES

Ms. Dininni moved that the Board of Supervisors **approve** the Board of Supervisors Minutes of July 6, 2020. Mr. Mitra seconded the motion. The motion passed unanimously.

IV. SPECIAL REPORTS

1. COVID-19 (Coronavirus) Response Report

Mr. Pribulka reported the new health directive from the Governor for indoor and outdoor limitations. A reminder that the Township remains closed to the public. Per the Board's request, an update was given on Centre County United Way needs.

Mr. Pribulka again expressed his appreciation on behalf of the Township and staff for the continued patience and understanding as the Township recovers from the crisis.

The Board members discussed needs and concerns along with expressed interest in Governor Wolf's Phased Color-Coded Reopening Plan by region and how that will affect Centre County.

Mr. Pribulka noted regulations are dependent on the current situation, testing and contract tracing. Centre County municipalities are in concert with making decisions in excess of the governor's order for needs. Another discussion was on virtual meetings vs. the option for attending in-person and advertisement of virtual meetings.

2. Centre Area Transportation Authority

Mr. Spychalski reported immediate impacts that included some layoffs and then rehire of some workforce to accommodate the drop in ridership. Most of the administrative personnel are teleworking. Other changes include the Customer Service Center being closed temporarily and reopened with hours from 7:30 a.m. through 5:30 p.m., Monday – Friday; fares will increase about 20 cents for CATABUS and CATAGO. CATA is currently working on a fall service plan with students starting back to classes. To prepare the buses for customers, curtains and hand sanitizers are being installed and disposable masks will be provided to drivers and customers. Disposable gloves, masks and face shields will be provided to drivers. Drivers will be required to wear the masks and face shields when in close contact with wheelchair enabled customers. An educational campaign is in the works titled "Good Health is Riding on You". Articulated buses will be in service soon that will handle a large capacity of passengers. Please check the CATA website for updates.

Ms. Olivia confirmed that lost and found is still being done the same way. However, the only difference is that items will be placed in bags. Ms. Olivia stated CATA appreciates the Township's support.

3. Centre Region Parks and Recreation Authority

Mr. Keough reported the Authority is up and running and using a modified program. Physical opening of the Active Adult Center is on hold until a cooperative agency guidance decision is made. Currently interviewing applicants for the recent vacant position of Recreation Services Manager. Geocaching is underway and funded by the Happy Valley Adventure Bureau. Summer leagues have started back up with regulations in effect at tournament sites; pools are open with COVID-19 restrictions on maximum number of people allowed. The Authority has scheduled two worksessions: July 27th from 1:00 p.m. to 3:p.m., Spring Creek Park, Pavilion 2 to discuss recommendations for the Comp Study Acton Plan; and July 28th from 2:30 p.m. to 4:30 p.m., Tudek Park, Pavilion 2 to discuss Whitehall Road Regional Park issues. A C-NET representative for the Authority has indicated he is stepping down and the Authority will then start looking for a new Board representative who does not necessarily need to be a Board member. For those interested in the position, please contact Bill Keough to forward the information to the Authority.

Ms. Dininni asked for clarification on whether residents and others could attend the worksessions remotely for safety reasons. Mr. Keough was unsure and said to contact the office for further information.

V. UNFINISHED BUSINESS

1. REVIEW DRAFT WORKFORCE HOUSING ORDINANCE AMENDMENT

Ms. Wargo reviewed the regulations and history of the amendment as provided with the agenda packet. This can meet the needs of residents. Discussion followed on moving forward with the ordinance. Ms. Stephens asked how receiving the policy and procedure manual was going to be tracked. Noted change to Borough reference, change to Township in the document. Mr.

Mitra asked about benchmarking, i.e., compare with other similar municipalities and what they are doing. Discussion followed on approaches done in workforce housing and how the Borough is proceeding with their extensive knowledge; history of the ordinance; legacy language and development requirements. Ms. Strickland asked about distribution size of units within the development vs. off-site designation. Zoning discussion followed. Ms. Dininni noted she is open to the relief but the one year timeline is too short and would like it bumped up to three years. Phasing development process was discussed and clarification on what mechanisms are available to the Board were requested. Following the detailed discussions, Mr. Suhr said the comments will be provided to staff to incorporate enhancements and flexibility for the workforce housing program.

Ms. Dininni moved that the Board of Supervisors **refer** the draft Workforce Housing Ordinance to the Planning Commission for review and comment. Ms. Strickland seconded the motion. Mr. Pribulka confirmed a joint worksession between the Board and Planning Commission and will provide available dates. The motion passed unanimously.

2. REVIEW DRAFT SIGN ORDINANCE AMENDMENT

Ms. Wargo reviewed the item as provided with the agenda. The last update to the sign ordinance was in 2017. Review was done in May and July and the changes made reflect comments from the Planning Commission. Ms. Dininni had a discussion on signs in athletic fields on internal exemptions and field fences. Following the discussion, Ms. Dininni withdrew her proposed change. Ms. Wargo noted an update can be made for exempt signs on farms to account for two roadways in reference to Ms. Dininni's comment on page 18, #13. Ms. Dininni asked for clarification on commercial uses in regards to village zoning, and wall sign consistencies for height restrictions. Ms. Strickland noted a comparison model can be done with the TTD and TSD.

Ms. Dininni moved that the Board of Supervisors **change** the height restrictions on wall signs to the eaveline or no greater than twenty-five (25) feet. Ms. Strickland seconded the motion. The amended motion passed unanimously.

Ms. Dininni discussed the Nonconforming Signs definition in regards to businesses changing hands. She noted another Township's definition to use for more friendly language when a business transitions. Following the discussion, Mr. Miller noted this request does not require a motion, just a rewording of the definition.

Ms. Dininni moved that the Board of Supervisors **authorize** advertisement of a public hearing on an ordinance amending Chapter 19, Signs and Billboards for August 17, 2020. Mr. Mitra seconded the motion. Mr. Pribulka clarified the motion is authorization for public hearing on August 17th due to the date not initially being read in the motion. The motion passed unanimously.

Mr. Miller called for a five minute recess.

3. REVIEW DRAFT DOMESTIC KEEPING OF DUCKS ORDINANCE

Ms. Wargo reviewed the item as provided with the agenda. Mr. Mitra asked for more specifics on Avian Flu guidelines. Discussion followed on guidelines and dynamics of chickens and ducks living together and number of ducks allowed in one yard.

Ms. Dininni moved that the Board of Supervisors **change** the maximum to four ducks. Ms. Strickland seconded the motion. The amended motion passed unanimously.

Mr. Mitra moved that the Board of Supervisors **authorize** advertisement of a public hearing on an ordinance amending Chapter 27, Section 720, Domestic Chickens for August 17, 2020. Ms. Dininni seconded the motion. The motion passed unanimously.

VI. NEW BUSINESS

1. CONSENT AGENDA

- a. 2020-C1-Street Improvement-North, Pay Application #1: \$321,293.62
- b. 2020-C2-Street Improvement-West, Pay Application #1: \$46,474.89
- c. 2020-C6-Curb/Ramp Upgrades, Pay Application #1: \$64,330.42
- d. 2020-C6-Curb/Ramp Upgrades, Pay Application #2: \$7,147.83
- e. Voucher Report – June 2020
- f. Treasurer's Report – May 2020 for acceptance

Mr. Miller pulled item A off the Consent Agenda for discussion under New Business.

Ms. Dininni moved that the Board of Supervisors **approve** the Consent Agenda and accept the Treasurer's Report. Mr. Mitra seconded the motion. The motion passed unanimously.

2. REQUESTS FOR VARIANCE

- a. 1278 Longfellow Lane

Mr. Pribulka introduced the variance request as provided with the agenda.

Ms. Dininni moved that the Board of Supervisors **remain neutral** on the request for variance for 1278 Longfellow Lane. Ms. Strickland seconded the motion. The motion passed unanimously.

3. PUBLIC HEARING RESOLUTION TO EXECUTE A WINTER MAINTENANCE AGREEMENT WITH PADOT FOR A PORTION OF STATE ROUTE 3018 – WHITEHALL ROAD

Mr. Modricker presented the history and proposed resolution. It is a five-year agreement extension.

No public comments were noted.

Ms. Dininni moved that the Board of Supervisors **adopt** the resolution authorizing the Chairman and Secretary to execute a winter maintenance agreement with the Pennsylvania Department of Transportation for a portion of State Route 3018 (Whitehall Road). Ms. Strickland seconded the motion.

Roll Call vote on Resolution 2020-21: Mr. Mitra-YES; Ms. Stephens-YES; Ms. Strickland-YES; Ms. Dininni-YES; Mr. Miller-YES.

4. PUBLIC HEARING RESOLUTION TO EXECUTE A GRANT OF EASEMENT TO UAJA FOR SANITARY SEWER

Mr. Pribulka reviewed the resolution and agreement as provided with the agenda.

No public comments were noted.

Ms. Dininni moved that the Board of Supervisors **adopt** the resolution authorizing the Chairman and Secretary to execute a grant of easement to the University Area Joint Authority for sanitary sewer. Mr. Mitra seconded the motion.

Roll Call vote on Resolution 2020-22: Ms. Stephens-YES; Ms. Strickland-YES; Ms. Dininni-YES; Mr. Miller-YES; Mr. Mitra-YES.

5. PUBLIC HEARING RESOLUTION CONDEMNING SYSTEMIC RACISM RELATED TO ETHNICITY AND SKIN TONE.

Mr. Pribulka presented the draft resolution as provided with the agenda.

No public comments were noted.

Mr. Mitra moved that the Board of Supervisors **adopt** the resolution condemning systemic racism related to ethnicity and skin tone. Ms. Dininni seconded the motion.

Roll call vote on Resolution 2020-23: Ms. Strickland-YES; Ms. Dininni-YES; Mr. Miller-YES; Ms. Stephens-YES.

6. REQUEST FOR MODIFICATION / WAIVER – THISTLEWOOD LOT 19

Ms. Wargo reviewed the modification as provided with the agenda. Mr. Fruchtl reported on the highlights of the plan. Board discussion followed on the hold harmless clause, slope steepness, intent of waiver, and stormwater requirements.

Mr. Miller moved that the Board of Supervisors **approve** the modification as recommended in the Community Planner's memorandum dated June 22, 2020. Ms. Dininni seconded the motion. The motion passed unanimously.

7. PRELIMINARY LAND DEVELOPMENT PALN – THISTLEWOOD LOT 19

Ms. Wargo reviewed the plan as provided with the agenda. Discussion followed on structures in the conservation easement.

Mr. Mitra moved that the Board of Supervisors **approve** the preliminary land development plan as recommended in the Planning & Zoning Director's memorandum dated July 15, 2020, for Thistlewood Lot 19. Clarification was made that the modification will be included on the final plan. The motion passed unanimously.

8. BOARD MEMBER REQUEST – FIRE CODE AND ENFORCEMENT DISCUSSION

Ms. Dininni reviewed the request as provided with the agenda. A request was made for a report from Centre General Code and Ferguson Township Police Department for the existing regulatory framework to help in possibly making changes to the policy to easily understand. Mr. Pribulka will reach out to the Code office to put together a report. Regulations within zoning districts were discussed.

9. BOARD MEMBER REQUEST – UNIVERSAL MASKING RESOLUTION

Ms. Strickland introduced the item for discussion. This would be in support of local businesses, public spaces and to promote education in the Township. Discussion followed on pursuing an ordinance vs. a resolution and how to get the data out to businesses. Chief Albright discussed statutes on the state law.

Jennifer Moeny commented on some inconsistencies for guidance. Specifically, when at a bus stop alone waiting for a bus. How would the masking be enforced? Mr. Pribulka described the differences of a resolution vs. an ordinance, which would have more ability on how regulations apply to enforcement. Mr. Pribulka reviewed how the advertisement would go out to the public for comment.

Ms. Strickland moved that the Board of Supervisors **direct** staff to draft a resolution affirming and endorsing the Governor's masking and social distancing recommendations to prevent the spread of COVID-19. Ms. Stephens seconded the motion. The motion passed unanimously.

Ms. Strickland moved the Board of Supervisors direct staff to research and draft an ordinance that can be used to enforce the governor's masking social distancing recommendations to prevent the spread of COVID-19. Mr. Mitra seconded the motion. The passed unanimously.

10. BOARD MEMBER REQUEST – NORTHLAND AREA PEDESTRAIN SAFETY IMPROVEMENTS

Ms. Dininni reviewed the previous Northland Area Mobility Study. Discussion followed on what improvements need done. Staff will follow-up. Discussion followed on possibly adding a sidewalk for pedestrian safety.

VII. STAFF AND COMMITTEE REPORTS

1. COG COMMITTEE REPORTS

- a. Ad Hoc Facilities Committee – Ms. Dininni reported that the committee met at Millbrook Marsh for a tour. Proposed updates were discussed to better utilize the existing building. Reviewed draft missions statement; talked about goals to assess for COG facilities improvements; asked about remote options to attend meetings.
- b. Finance Committee – Mr. Miller reported the 2021 Program Plan was received and will be distributed at the next General Forum Meeting. Pool and Parks loans will be consolidated and refinanced to save money in the long term; fund balances are in good shape for the year; FEMA update on reimbursement; and Schlow Library received the PPP loan.

2. OTHER COMMITTEE REPORTS

- a. Joint Parks Capital-CRPRA Meeting – A reorganizational meeting was held for the new chair; Comp Study update; upcoming worksessions and extended an invitation to attend meetings; Whitehall Road Regional Park update; Millbrook Marsh Phase II update and looking for grants.

- b. CCMPO Technical Committee – Mr. Mitra reported that he was not able to attend but watched some of the meeting on C-NET. Arboretum presentation that asked for activities and partnerships to do with the Township and to contact them; virtual activities have started unique talks; standards on One Water Report. For any stories related to water, please send to Mr. Mitra or chair and it will be publicized. Discussion on action plans.

3. STAFF REPORTS

- a. Manager's Report - Mr. Pribulka touched on some items in his report. Closed on an agricultural easement; Coffee and Conversation virtual event was held this month with local officials in attendance via Zoom; meeting with County Planning on countywide action plan regarding discharge to water sheds; and business needs survey.
- b. Public Works – The report was provided in the packet. Mr. Modricker reported on paving projects; Tree Commission will meet on August 17th at 5:30 p.m.; Stormwater Advisory Committee Meeting was postponed until July 29th to allow staff to make corrections to impervious coverage determinations, etc...; and report on paving projects and microsurfacing. Discussion followed on the PGM light project per a Board member's inquiry.
- c. Planning and Zoning – The report was provided in the packet. Ms. Wargo highlighted that we have been receiving applications for the COVID-19 flex business resolution that was passed recently and receiving good feedback from businesses in the Township.
- d. Chief of Police – Chief Albright reported on the department's activities for the month of June. Overall, minor and significant crimes are slightly up; overall crimes are down for the year; update on incidents of note; May site accreditation status was passed onsite and have formal acceptance; update on current investigations; and provided use of force summary for June and year-to-date.

VIII. COMMUNICATIONS TO THE BOARD - None

IX. CALENDAR ITEMS - JUNE

- a. Ferguson Township CIP Special Meetings via Zoom, 6:00 p.m., July 21 and 22, 2020.

X. ADJOURNMENT

With no further business to come before the Board of Supervisors, Ms. Dininni motioned to adjourn the meeting. The meeting adjourned at 10:42 p.m.

Respectfully submitted,

David Pribulka, Township Manager
For the Board of Supervisors

Date approved by the Board

FERGUSON TOWNSHIP BOARD OF SUPERVISORS

Special Meeting

2021-2025 Capital Improvement Plan

Tuesday, July 21, 2020

6:00 PM

I. **CALL TO ORDER**

The meeting was called to order at 6:00 p.m.

II. **ATTENDANCE**

In attendance via Zoom: Steve Miller, Chair; Laura Dininni, Vice Chair; Lisa Strickland, Patty Stephens; Prasenjit Mitra; Dave Pribulka; Chris Albright; Eric Endresen; Centrice Martin; Dave Modricker; Jenna Wargo.

III. **Citizen's Input**

None.

IV. **Consent Agenda Item from July 20th Board Meeting – 2020-C1 Pay Application 1**

By unanimous consent, the Pay Application that was removed from last night's Board agenda was added to tonight's meeting. The only change was the reduction in the payment amount.

Ms. Strickland moved that the Board of Supervisors **approve** the pay application to New Enterprise in the amount of \$307,412.03. Ms. Dininni seconded the motion. The motion passed unanimously.

V. **Overview – Dave Pribulka/Eric Endresen**

Mr. Pribulka reviewed the CIP process for Board members attending for the first time. He thanked the Leadership Team and staff in preparing the CIP.

VI. **Revenue**

Mr. Endresen noted that the CIP is a working plan and not a budget. He reviewed the CIP plan that was provided to the Board members.

Board members followed with questions on projections vs. the actual budget; adjusted numbers from last year vs. this year's five-year plan; earned income tax and what to anticipate throughout the pandemic for this year. An expanded discussion talked about Township program planning moving forward with the continued pandemic.

VII. **Expenditures**

a. Staffing

New proposed staff requests were discussed along with salary adjustments. This is not a Capital cost; however, it is a significant budget request that should be captured in the CIP plan. A noted change for page 32 under 2021 requested staff for Police Department, it should be for year 2022. Following discussion on the request for the part-time Ordinance Officer position to become full time, Ms. Wargo was asked to do a justification for the August 3rd meeting. An expanded discussion followed on the Housing Study on a regional level and suggesting that area municipalities help defray the cost of the study. For the new in-house

Housing Planner, a Board member recommended a consultant for the study. Public Works requests were discussed for the tree specialist and personnel for demands and for the MS4 stormwater repairs and maintenance demands. The tree specialist can be deferred to 2021 and field technician is deferred to 2022 due to the pandemic. A discussion followed on the need for the positions and what takes precedence over the other moving forward in regards to priority and cost. Mr. Modricker noted Stormwater concerns would take precedence over tree trimming but the needs do not go away. At this point, stormwater fees and future stormwater needs have not been determined.

b. Planning & Zoning – Jenna Wargo

Ms. Wargo reviewed zoning requests for the next five years.

Discussions ranged from information regarding the laydown facility/yard to the regional housing study, workforce housing fee-in-lieu, and identifying regional projects. Ms. Wargo noted a goal in 2022 would be to get the most recent data from the Census. Determine where the needs are prior to spending the funds. Suggestions were to ask for some items be placed on a CRPRA agenda and TLU.

The Long Range Management Growth Plan vision in the CIP shows a 25-year path for more wide-ranging sustainable efforts than the typical 10-year planning horizon. This is the first iteration of the analysis done by the Township.

c. Finance/Tax/IT/Debt – Eric Endresen

Mr. Endresen reviewed the five-year request for the Finance Department. Discussions followed on information technology needs and assessments.

d. Police – Chris Albright

Chief Albright reviewed the replacement vehicle needs for the Police Department as provided in the CIP plan. This is evaluated yearly for the five-year plan. There is some delay in vehicles due to the pandemic. It was noted that the Mobile Speed Alert RADAR Trailer be moved to next year due to the COVID-19 pandemic.

VIII. Adjournment

The meeting adjourned at 8:38 p.m.

Respectfully submitted,

David Pribulka, Township Manager
For the Board of Supervisors

FERGUSON TOWNSHIP BOARD OF SUPERVISORS

Special Meeting

2021-2025 Capital Improvement Plan

Wednesday, July 22, 2020

6:00 PM

I. **CALL TO ORDER**

The meeting was called to order at 6:00 p.m.

II. **ATTENDANCE**

In attendance via Zoom: Steve Miller, Chair; Laura Dininni, Vice Chair; Lisa Strickland, Patty Stephens; Prasenjit Mitra; Dave Pribulka; Eric Endresen; Centrice Martin; Dave Modricker; Heidi Battista, Resident.

III. **Citizen's Input**

None.

IV. **Expenditures**

a. Administration – Dave Pribulka

Mr. Pribulka reviewed the Administration Department as provided in the DRAFT CIP plan. He noted a change that Human Resource Manager should read Human Resource Administrator. Discussion followed on Disaster Recovery and satellite fire station.

b. Public Works – David Modricker

Mr. Modricker reviewed in detail the Public Works Department Road Projects, Stormwater and Equipment. There were discussions on various road repairs and analysis of costs that determined a Board consensus of some projects being deferred to the following year in the five-year plan. Mr. Miller suggested having a similar discussion for next year's CIP special meeting on this topic to determine if other road projects can be deferred to the following year. Mr. Pribulka noted adjustments will be made for the final CIP plan for resolution adoption. Noted, Road Projects typically fall under the TIF and Liquid Fuels funds.

b. Parks – Centrice Martin

Ms. Martin reviewed the Township's Parks and Recreation section of the CIP plan. The Park Surveying Program takes a proactive approach to address park boundary lines. Ms. Dininni suggested preparing an analysis for the Parks for future planning in a similar format of how the Road Projects assessment is done and requested playground inspection reports for the next CIP plan. Mr. Miller suggested for future to look into local business interests in sponsorships to Parks in the Township. Clarification was made on Compost Toilet in Township Park. Following discussion and Board consensus, Tudek Park Phase IIA was deferred to 2025. Ms. Martin noted that the grant requests are done a year prior to the project year.

V. **Next Steps – Authorization for Public Hearing**

a. August 3rd – Review and authorization for Public Hearing.

Mr. Pribulka stated revisions will go out in advance for time to review prior to the Regular Meeting. Please forward Mr. Pribulka changes or modifications via email for discussion.

Ms. Strickland discussed providing a road map or history of earlier CIP plan projections to current projections for clarification of timelines and projected costs.

b. August 17th – Public Hearing on resolution adoption of CIP plan.

VI. **Adjournment**

The meeting adjourned at 9:57 p.m.

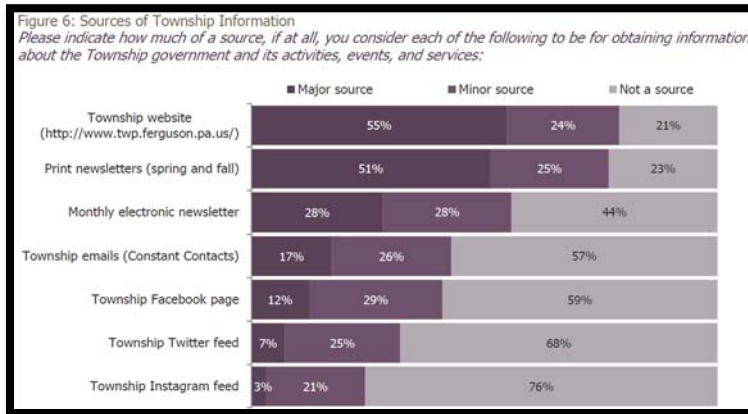
Respectfully submitted,

David Pribulka, Township Manager
For the Board of Supervisors

FERGUSON TOWNSHIP STRATEGIC COMMUNICATIONS REPORT

I. How Do Residents Take in Information?

The graphic below is from the National Community Survey (2019). It will serve as our compass for deciding how to manage communication channels. All of these areas can be improved through a strategic plan that takes into account the individuality each source has to offer and the demographics that traffic them the most frequently.



NCS Community Survey Livability Report

II. Ferguson Township Website

a. Overview

It’s no surprise that the Township website (www.twp.ferguson.pa.us) is the major source of information for residents. It acts as the central hub for all information regarding the Township. There are over **2,300 pages of content on the website**, serving as an ever-expanding resource center for residents. News and upcoming events are all kept up-to-date daily & curated by the Communications Coordinator. In 2020, **the website has averaged 3,431 visitors a month** (January 1, 2020 – July 1, 2020) which is up from **1,687 last period** (July 2, 2019 – December 31, 2019).

Back in 2019, the Township partnered with CivicCMS to initiate a full website redesign. The site was relaunch improved design, layout, and functionality. A search function was added to make finding specific content quicker and easier.

This year, staff added two new tabs to the Township’s homepage: “Coronavirus” and “Stormwater Fee”. The Coronavirus tab was added back in March to provide timely local updates to residents about the evolving pandemic. The Stormwater Fee tab was created in June to outline the Stormwater Fee Program and advertise the virtual public meeting that was held on June, 24.

b. Site Users

54% of traffic to the website comes from organic search, meaning users are utilizing a search engine and entering keywords to find our site. Google searches make up most of our organic traffic.

33% of traffic is from the “direct” channel. As the name suggests, this means users are going to our site directly by typing in our URL.

7% of traffic comes from our social media. This method is when a user clicks on a link to our website from a social media post.

c. Most Trafficked Pages

This year, the most-trafficked page was the Township’s homepage and made up 17% of total page views on the website. The 2nd highest trafficked page on the site was the “Brush & Leaf Collection” page and 3rd highest is the “Code of Ordinance” page which includes a link to the Township’s General Code. Public Works is the most trafficked of the departments; of the top 50 most trafficked pages, 21 of those were Public Works pages.

d. Site Speed

The Township uses Google Analytics (GA) to calculate the Average Page Load Time for each page visited in the quarter. The July 2019 GA report indicated Ferguson Township website performed at an Avg. Load Time of 4.58 seconds on the homepage. Google recommends that a website loads in under two seconds. The Township’s website currently performs with an **Avg. Load Time of 3 seconds based on a report generated on July 27**. Google Analytics provides speed suggestions to decrease average page load time. One of these suggestions is uploading smaller image files. This has been done by resizing images that are posted along with a news story. The Homepage has the highest load time due to all of the images that are located on the page. Using this method does not sacrifice the quality of the images. Staff will continue to monitor this to ensure the site does not drop in its quality user experience.

i. Bounce Rate

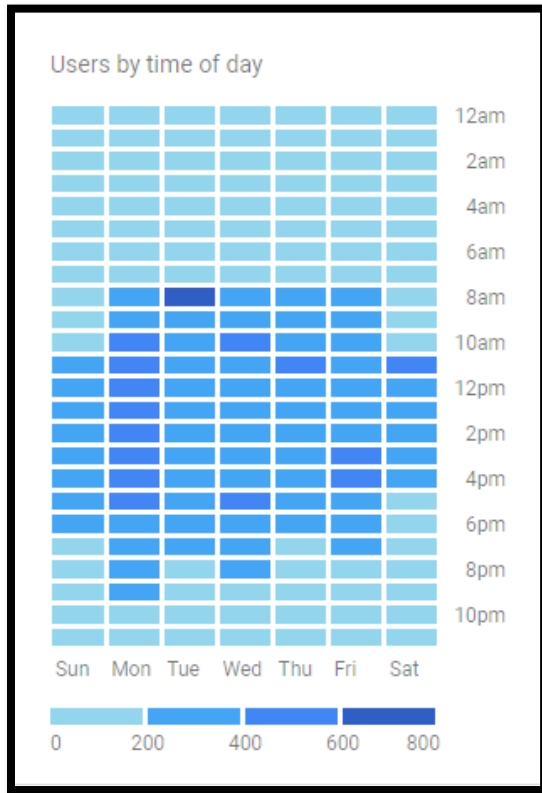
A ‘bounce’ on a website means that a user clicked on a website page link from Google’s results that generated from a Google Search, viewed the page and then left the site. The inverse is when a user clicks on a page and continues to go through multiple pages on the site; this is what all websites strive for. Most websites will see bounce rates fall somewhere between 26% and 70%.¹ The Township’s **website has a 44.35% bounce rate**. Staff continues to monitor this metric to ensure content on the website is of interest and relevant to users.

ii. Peak Times

On a Monday – Friday work week, website traffic on an hourly basis is a bell-shaped curve, with early afternoon (10:00 am – 12:00 pm) seeing the highest trafficked time period. If a newsletter goes out (which is the 2nd Saturday of every month), that day and time when it was sent will be the peak for the entire week. The graphic below shows the total traffic per hour

¹ Payton, J. (2020). What’s the Average Bounce Rate for a Website? Retrieved from <https://www.gorocketfuel.com/the-rocket-blog/whats-the-average-bounce-rate-in-google-analytics/>

from January 1 to July 26. The X-axis shows the day of the week and the Y-axis shows the time of day. The darker a block is, the more traffic was received in that timeframe.



"When do your users visit?" via Google Analytics

e. Goals

- Continue to track site speed and downtime
- Reduce and keep bounce rate at the “good” threshold (26% – 45%) continue to track
- Continue to increase website traffic (4,000 visitors a month by end of 2020)

III. E-Newsletter

a. Overview

The Township’s e-Newsletter is the second largest source for resident’s to take in information. Site traffic peaks the Saturday an e-Newsletter is sent out. The Township’s email campaigns such as meeting agendas and meeting reminders are managed through Constant Contacts. Just recently, Constant Contacts updated its Email Builder giving newly created campaigns a sleeker, more accessible feel.

b. New Format

A brand-new e-Newsletter template was created using the new tools Constant Contacts offers. The goal of this new layout is to increase our open rate and traffic to the website.



e-Newsletter Template via Constant Contacts

One change that is apparent throughout the e-newsletter is using the Township’s colors to brand the newsletter. The new look of the e-Newsletter is to match the design and look of the Township’s website. The Township’s social media platforms are now displayed and linked in the e-newsletter. Stories are organized by department under headers.

c. Data on e-Newsletter

The July e-Newsletter was sent out to **962 email contacts**. Of the 930, **53.1% of recipients opened the email and 35.6%** of recipients who opened clicked through the email. The click through rate is a measure of how many users click on a link in the email. In our case, all the links lead to different sections of the Ferguson Township website including full articles and important department links. Constant Contacts has the ability to track which links were clicked and how frequently. The most clicked in July was the link to the website’s article: “Food Trucks in Ferguson Township” with 60 unique clicks. “Proposed Stormwater Fee Public Meeting Q&A”, “Tudek Park Gravel Path Work Begins the Week of July 13, 2020”, “Ferguson Township is Now Opening Up for In-Person ABC Meetings”, and “New Public Works Facility Takes Shape” were the other top clicked stories. Using this data, Staff can understand what stories pique resident interest and then follow-up those stories.

d. Goals

- Increase awareness and sign-ups for e-newsletter to 1,000 recipients by 2021 (Current: 962)
- Increase Open Rate on e-Newsletters by 5% (average for last 6 months of e-newsletters: 60.85%)
- Increase Click-Through Rate by 5% (current average: 35.66%)

IV. Facebook

a. Overview

Facebook is the largest social media platform utilized by the Township. “Followers” and “Fans” are able to see posts regarding news, press releases, and meeting dates that all link to the Website.² The Township posts content to Facebook including news, weather advisories, press releases, photos, and upcoming events. Currently, the main Township’s page **has 479 likes and 540 follows**. The Police Department’s page **has 3,763 likes and 3,938 follows**.

b. Engagement & Reach

Engagement refers to how many users liked, commented, or shared a post. Reach accounts for every time a unique user sees the post on their screen.

On our main page, **average engagement each month is 125 per post**. This year (January through June), **the average reaches each month were 151 per post**. Likes and shares are the most common things that a user will do on one of our posts while comments are rare. It is key that Staff generate content that pushes fans to comment and share. Facebook’s analytics tool, Insights, compares the current data to last month’s. Insights allows users to set their own goals and compare to their last period. A steady increase in engagement and reach over time is best.

c. Goals

- Create & use Social Media Calendar to plan posts
- Increase average monthly engagement to 150
- Increase average monthly reach to 1175

d. Conclusion

Facebook continues to be Ferguson’s largest social media page but engagement has been historically low. The site has great metrics and analytic capabilities that haven’t been utilized in the past. Discovering key takeaways from our analytics will allow us to craft a strategy to increase the page’s reach. Curating content that users will want to engage in and posting at peak traffic times are important factors for the Township to put out important information to a wider audience. All these aspects must be considered to increase the value that page gives to our residents.

V. Twitter

a. Overview

Twitter is the second-largest social media used by residents to receive information about the Township. As of December 2019, the Township’s page has **over 1,000 followers**. This page follows local organizations such as CDC, U.S. Census, Penn State and “retweet”

² Facebook has changed how users can see posts from other entities. A “follow” button has been added to all pages. When someone “likes” a page they also “follow” it. If a user just follows page, they see some of the page’s posts in their news feed but not all.

content that is relevant to residents. The Police Department's Page has **over 1,747 followers** and the Township's page has **1,066 followers**. The platform is best utilized by relaying quick, bite-sized information, unlike Facebook.

b. Analytics

Twitter impressions, how many times a tweet is delivered to a User's timeline, is main analytical metric on the site. Over the past six months, **average Tweet impressions were 12.K.**

The Police Department's **average impressions for the last six months were 7.5K**. Their page is utilized to send out information regarding an emergency in the Township. Consistency is important when managing social media platforms. A Social Media Calendar will be utilized in order to properly maintain both Twitter accounts. Retweets add to impressions and are done on a regular basis to feed important news and updates to our residents and followers. This can be done by keeping up to date with local entities who have Twitter accounts. Mentions, your page being included in someone else's tweet, also increase engagement.

c. Goals

- Create & use Social Media Calendar to plan posts
- Follow and Retweet accounts who share relevant information that residents would want to see
- Maintain impressions around 15K (Twp) and 8K (PD) from month-to-month

d. Conclusion

Twitter is a great platform for pushing out news updates and links to articles regarding the Township. It has its own unique advantages and disadvantages compared to Facebook: therefore, it should be managed the way the platform was intended to be used. Time will be dedicated for going through Ferguson's newsfeed daily and retweeting & liking content that residents would want to see.

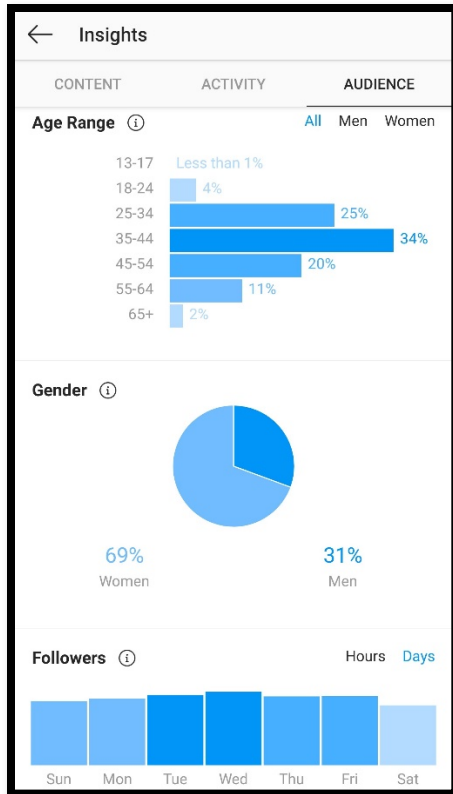
VI. Instagram

a. Overview

76% of residents stated in the 2019 National Citizens Survey (NCS) that Instagram is not a source they use to receive information. This could mean the social media site isn't being used to its full potential. Instagram prioritizes pictures and video rather than text. All three social media platforms have their own unique advantages. If used correctly, Instagram may appeal to younger residents and increase participation in this traditionally low-turnout group. Currently, the **Township's page has 342 followers**.

b. Activity & Audience

Pictures are typically posted once a week and involve such things as flyers for events and event photos. In a recently selected week, **average reach for a post was 138 users**.



Instagram Audience via Insights

Most of the Township’s Instagram Followers are women between the ages of **35-44**. When looking at Instagram as a whole, the Township’s largest follower age group is only the third largest age group on the site. The largest age group on the platform is 25-34 followed by 18-24 at 36 percent and 22 percent, respectively. Male and female users have a pretty split on the social site at 51 percent for women and 49 percent for men. The Township’s followers are close to **70 percent women**. While it is important to not ignore our largest demographic, the Township will begin to consider increasing younger audience engagement when crafting future posts.

Hashtags on Instagram are more important to use than any other social media platform. Instagram users can “Explore” the social media by searching for specific hashtags. While there is no right number for every business, experts recommending using 11 hashtags per post.³ This strategy was implemented within the last thirty days and has resulted in at least 2 likes from non-followers who found our page through hashtags. This strategic

³ Hootsuite. (2020, July 14). The 2020 Instagram Hashtag Guide-How to Use Them and Get Results. Retrieved July 27, 2020, from <https://blog.hootsuite.com/instagram-hashtags/>

approach will likely expand our user base for those who are unaware the Township is on the social media platform. Staff will continue to use specific hashtags.

c. Goals

- Utilize at least 10 relevant hashtags per post
- Increase page to 400 followers by end-of-year
- Increase age group 25-34 followers by 5%
- Use Social Media Calendar to plan posts

d. Conclusion

The Township's Instagram appears to serve as the smallest source of news for residents; however, it may be an underutilized tool to increase citizen engagement among a demographic group that has not traditionally interacted with local government regularly. Instagram is now the most popular social networking app among teenagers.⁴ Taking a strategic approach to the platform, may provide residents with an exciting page that users will want to check out and hopefully boost the voice of younger residents in local government.

VII. **LinkedIn**

e. Overview

LinkedIn is new to the Township's social media family. The site is used by industry professionals to network and search for job opportunities. In fact, the new Communication Coordinator found this position through a job posting on LinkedIn. Currently, the **Township's page has 21 followers.**

f. Activity

Currently, LinkedIn is being used promote job postings on behalf of Administration Department. Posts have been few and happen about once a month depending on the frequency of job posts. Request for Proposals have also been issued on the site. The Township is exploring options that would support weekly posts, increase followers and engagement and provide relevant, interesting information to LinkedIn members. Upcoming meetings such as BOS meetings and Coffee & Conversations are being considered as activity that would be posted on there to draw in a more professional audience to the meetings.

g. Goals

- Create & use Social Media Calendar to plan posts
- Follow and share accounts who share relevant information that residents would want to see
- Increase page to 40 followers by end-of-year

⁴ Cao, S. (2018, October 22). Facebook May Be Losing Young Adults, But Teens Are Giving Instagram a Record Year, from <https://observer.com/2018/10/facebook-loses-young-adults-instagram-record-year/>

h. Conclusion

Linkedin has the potential to serve as a valuable social media for Ferguson. The site can draw in more qualified applicants for the Township's continued professional staff growth and draw a new audience of contractors and local professionals to new Township projects and Capital Improvement Projects from areas outside of the Centre Region.

VIII. Conclusion

The Township's web presence of all the avenues listed above are vital to keep residents interested and engaged in the current Ferguson happenings. All the platforms discussed have numerous tools that can be utilized such as Insights and Analytics. The Township's website acts as a hub and all the other web applications stem from it. Increased website traffic that will spill over into increased e-Newsletter subscribers and followers on social media. Once the strategies and schedules are created, they can be used for years to come. A data-driven approach, used to create this report, needs to be taken to scale growth over a long period of time. This growth will not be just restricted to the web: engaging with residents online can lead to higher turnout at public meetings in-person.

Construction Notes:

- Prior to any earth-moving, erosion control measures, must be installed per Pa Dep Chapter 102.
- Accomplish all paving as rapidly as possible after grading.
- Development shall be staged, where necessary, to complete construction of each stage during a season so that large areas of disturbed land are not left bare and exposed during the winter-spring runoff period.

Construction for the lot will proceed as follows:

- Place inlet protection within the existing inlet along Treetops Drive. The proposed driveway entrance culvert with rip-rap apron shall be installed, along with the rock construction entrance. The entire proposed silt sock shall be installed. Install the orange construction fence around the conservation area and the wet area, where shown.
- Strip any topsoil from the Swale 1 area and stockpile, where shown. Immediately construct Swale 1. Place rip-rap in the swale where shown, along with the rock filter. Stabilize the remaining area of the swale with topsoil, the permanent seeding mixture and appropriate erosion control lining. Apply the temporary seeding mixture to the topsoil stockpile.
- Strip topsoil from the remaining site area and stockpile, where shown. The stockpile shall be stabilized with the temporary seeding mixture.
- Continue with site driveway construction. Install the retaining wall west of the driveway, as appropriate with the grading.
- Install the storm sewer from the existing inlet up to I-2. Place inlet protection immediately on the new inlets. Bring the driveway to subgrade and stabilize with stone. Construct Swale 2 & 3. Place rock filters in the swales and immediately stabilize the remaining area of the swales with topsoil, the permanent seeding mixture and appropriate erosion control lining.
- Bring the building area to grade and complete remaining retaining wall. Construct Swale 4 with cutoff trench. Stabilize the swale with topsoil, the permanent seeding mixture and appropriate erosion control lining.
- Commence with the building foundation construction.
- Utilities will be installed. Any facilities crossing temporary erosion control facilities will be installed and completed in one day and the control facility must be restored that same day.
- As building construction proceeds, install all roof drains and rip-rap aprons where necessary. Complete and patios and sidewalks. Bring all lawn areas to grade and place topsoil. All lawn areas shall be seeded and mulched as per the rates shown in the section labeled "PERMANENT CONTROL MEASURES". All slopes 3:1 and steeper and areas shown shall be stabilized with Curtex 1 (or equal) erosion control lining.
- Remove the construction entrance and commence with the paving and curbing installation until complete.
- As construction proceeds, temporary erosion control facilities will be maintained as specified in the maintenance program included in this report. All areas abandoned for more than four (4) days are to be seeded with the temporary seeding mixture.
- When construction is complete and the area stabilized with pavement or a uniform 70% vegetative cover over the entire disturbed area, all temporary erosion and sediment control measures (inlet protection, rock filter, orange construction fence and silt sock) will be removed. Any vegetated areas disturbed by the removal of these controls shall be immediately stabilized with the permanent seeding mixture.

Temporary Control Measures

Temporary control measures will be implemented to ensure that erosion is minimized and that sediment is retained during construction. The construction entrance is to be installed to prevent tracking of soil from the site. Geotextile fence will be placed at the locations shown on the Erosion and Sedimentation Control Plan. topsoil stockpile will be provided for the proper storage and stabilization of the site's topsoil. Sediment buildup at any of the control locations will be removed as indicated in the "Maintenance Program."

If a disturbed area is to be abandoned or work has stopped, it will be seeded with a temporary seeding mixture that shall consist of the following:

Item	Rate
1. Agricultural grade limestone	1 ton / acre
2. Fertilizer 10-10-10	500 lbs. / acre
3. Annual ryegrass	40 lbs. / acre
4. Mulch (straw)	3 tons / acre

Permanent Control Measures

Permanent control measures include the culverts and seeding / landscaping. Permanent seeding on all disturbed areas may consist of the following:

Item	Rate
1. Agricultural grade limestone	4 tons / acre
2. Fertilizer 10-20-10	150 lbs. / acre
3. Kentucky Bluegrass (min. of two varieties in mix)	50 lbs. / acre
4. Mulch	3 tons / acre

For lawn areas, a suitable lawn mixture, such as Agway's Royal Green, shall be substituted for Item 3 of the permanent seeding mixture and applied at the rate directed by the manufacturer.

Maintenance Program

During construction, the contractor will be responsible for maintenance and repair of all erosion and sedimentation control facilities. These facilities should be inspected weekly and after every runoff event. The maintenance of the erosion control facilities will include the following:

Silt Sock Maintenance:

- The Contractor shall maintain the socks in a functional condition at all times and it shall be routinely inspected.
- Where the sock requires repair, it will be routinely repaired.
- The contractor shall remove sediment collected at the base of the sock when they reach 1/2 of the exposed height of the sock, or as directed by the Engineer. Alternatively, rather than create a soil disturbing activity, the engineer may call for additional sock to be added at areas of high sedimentation, placed immediately on top of the existing sediment laden sock. The sock will be dispersed on site when no longer required, as determined by the Engineer.

Inlet Protection:

- Inlet filter bags should be inspected on a weekly basis and after each runoff event. Needed repairs should be initiated immediately after the inspection.
- Filter bags should be cleaned and/or replaced when the bag is 1/2 full. Damaged bags should be replaced.

Topsoil Stockpiles:

- The topsoil stockpiles shall be seeded with the temporary seeding mixture to ensure proper stabilization. Any additional topsoil spread at these locations shall also be seeded with the temporary seeding

Spoil Materials:

- All sediment removed from erosion and sedimentation pollution control facilities shall be spread over the existing topsoil stockpiles with controls already in place. Stabilize the spoil material with the temporary seeding mixture.

Permanent Seeding:

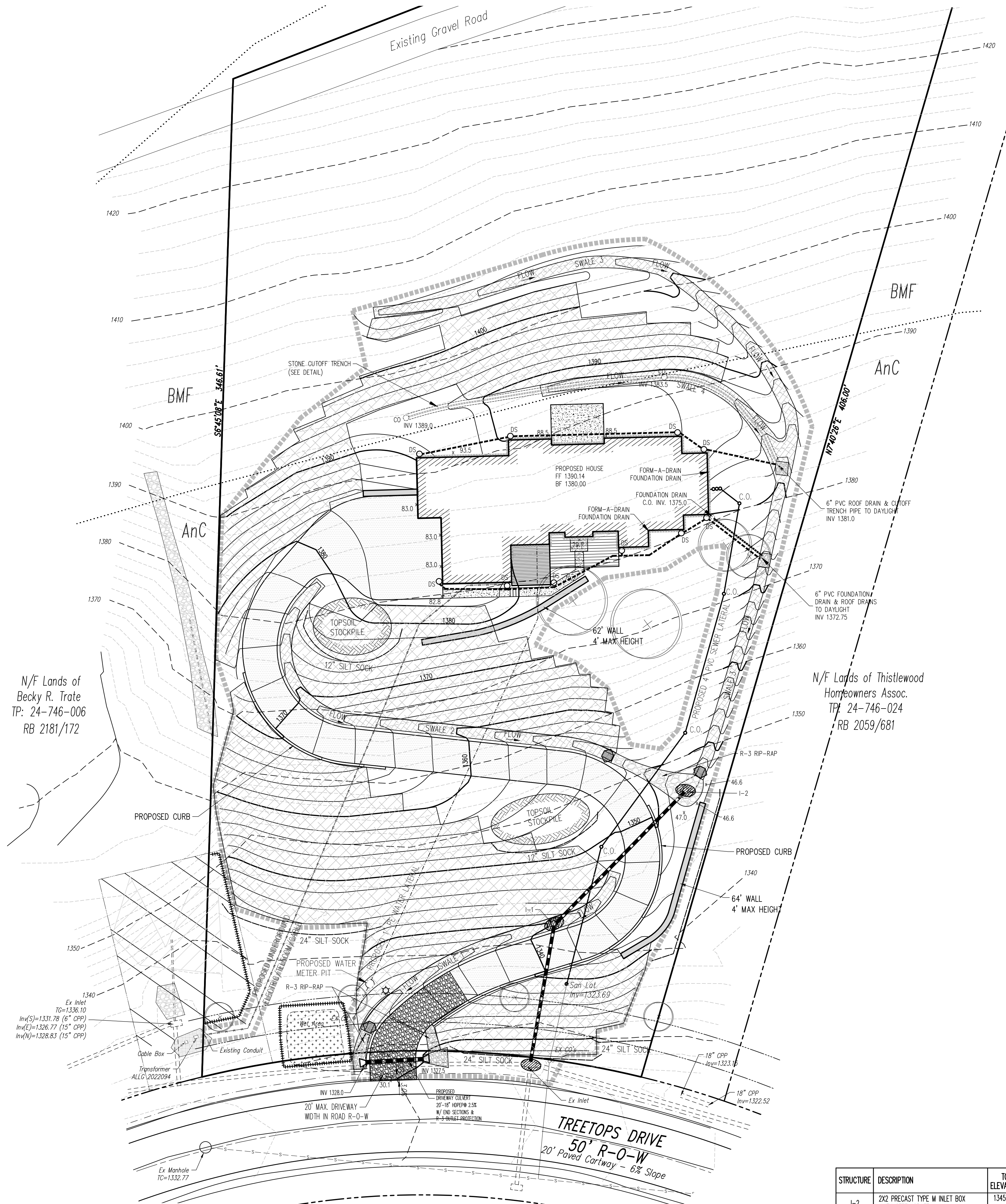
- If the vegetative cover is not established uniformly by the third mowing, the Contractor shall reapply topsoil, if necessary, and seed and mulch as needed, to provide adequate cover.

Rock Filter:

- The rock filter shall be maintained in a condition that will allow for adequate filtration of the runoff through them. If the stone becomes clogged, it should be removed. New stone should be added to the rock filter.

Recycling and Disposal of Materials

Wastes generated during the construction of this project shall be recycled if at all possible. Any materials that cannot be recycled or reused shall be disposed of at a Pennsylvania Department of Environmental Protection approved landfill. If soil and/or rock disposal areas are required, erosion and sedimentation controls shall be implemented at these areas.



LEGEND EXISTING FEATURES

- Existing Property Lines
 - Existing Building Setbacks
 - Property Corner Pins
 - Existing Contours (2's)
 - Existing Contours (10's)
 - Easement Line (represents drainage easement area)
 - Conservation Easement Area
 - Existing Slopes
 - 8" SDR 35 PVC Sanitary Sewer Main w/ Manhole
 - Existing Underground Electric
 - Existing 8" DIP Water Main
 - Existing Storm Sewer
 - Soil Boundary Line
 - Wetlands as per Approved Thistlewood Final Subdivision Plan
- Soils on site consist of:
 AnC - Andover channery silt loam, 8 to 15 percent slopes
 BMF - Berks and Welkert soils, steep

LEGEND PROPOSED FEATURES

- PROPOSED BUILDING
- PROPOSED 4" PVC SANITARY SEWER LATERAL W/ CLEANOUT
- PROPOSED CONTOURS W/ ELEVATION
- PROPOSED 1" PE WATER SERVICE LATERAL
- PROPOSED UNDERGROUND POWER
- PROPOSED RETAINING WALL
- PROPOSED SIDEWALK
- PROPOSED DUSK TO DAWN POLE LIGHT
- PROPOSED ASPHALT DRIVEWAY
- PROPOSED DOWNSPOUT LOCATION
- PROPOSED 6" PVC ROOF DRAIN TO DAYLIGHT
- PROPOSED 6" PVC FOUNDATION DRAIN TO DAYLIGHT

LEGEND E&S FEATURES

- LIMIT OF DISTURBANCE (41,720 S.F.)
- SILT SOCK
- CONSTRUCTION ENTRANCE
- TOPSOIL STOCKPILE
- EROSION CONTROL SLOPE LINING (CURLEX 1 OR APPROVED EQUAL)
- EROSION CONTROL SWALE LINING (CURLEX 2 OR APPROVED EQUAL)
- INLET PROTECTION
- ROCK FILTER
- ORANGE CONSTRUCTION FENCE (SHALL BE INSTALLED PRIOR TO CONSTRUCTION)

STRUCTURE	DESCRIPTION	TC ELEVATION	INVERT IN	INVERT OUT	PIPE RUN LENGTH	DIAMETER	SLOPE
I-2	2X2 PRECAST TYPE M INLET BOX WITH STEEL GRATE	1345.50		1342.80	N 10'	INLET I-2 TO INLET I-1 64.0"	12' HOPE 9.06%
I-1	2X2 PRECAST TYPE M INLET BOX WITH STEEL GRATE	1340.00	1337.00	1334.00	N 15'	INLET I-1 TO EX. INLET 48.0"	15' HOPE 23.96%
EX. INLET	EXISTING 24" PRECAST TYPE 'M' INLET BOX w/ A BICYCLE SAFE STEEL GRATE	1324.92 (EV) 1326.42	1322.50 1322.02 1322.00	S 15' E 15' N 15'	1321.90 5W 15'		

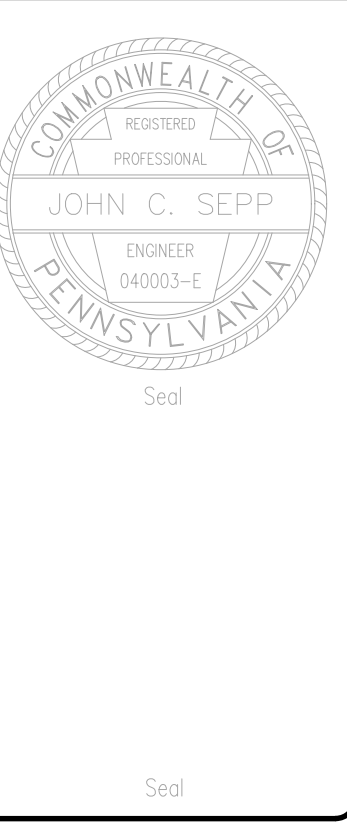
NOTE: ALL ROOF DRAINS ARE TO BE 6" PVC (SMOOTH LINED INTERIOR) AT A MINIMUM SLOPE OF 1.00% UNLESS OTHERWISE SPECIFIED.

PennTerra ENGINEERING INC.
CORPORATE OFFICE:
 3075 ENTERPRISE DRIVE
 SUITE 100
 STATE COLLEGE, PA 16801
 PH: 814-231-8285
 Fax: 814-237-2308

LANCASTER OFFICE:
 3904 ABEL DRIVE
 COLUMBIA, PA 17512
 PH: 717-522-5031
 Fax: 717-522-5046

WWW.PENNTERRA.COM

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Designer	RRK
Draftsman	RRK
Proj/Manager	JCS
Surveyor	
Perimeter Ok	
Book	Pg
Drawn P: Layout	
Acad	

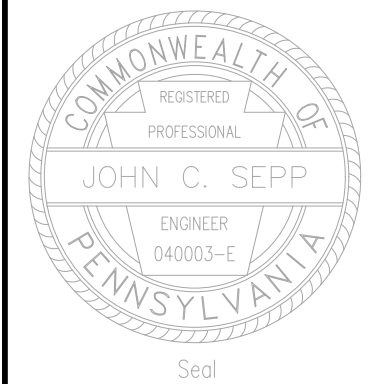
Date	Description
	REVISIONS

THISTLEWOOD LOT 19
 FERUGSON TOWNSHIP
 CENTRE COUNTY
 PENNSYLVANIA

FINAL LAND DEVELOPMENT PLAN

SITE DESIGN AND EROSION & SEDIMENTATION CONTROL PLAN AND NARRATIVE

PROJECT NO.	15085
DATE	JULY 21, 2020
SCALE	1"=20'
SHEET NO.	2 of 4



Designer	RRK
Draftsman	JJA
Proj Manager	JCS
Surveyor	
Perimeter Ok	
Book	Pg
Drawn P: Layout	
Acad	

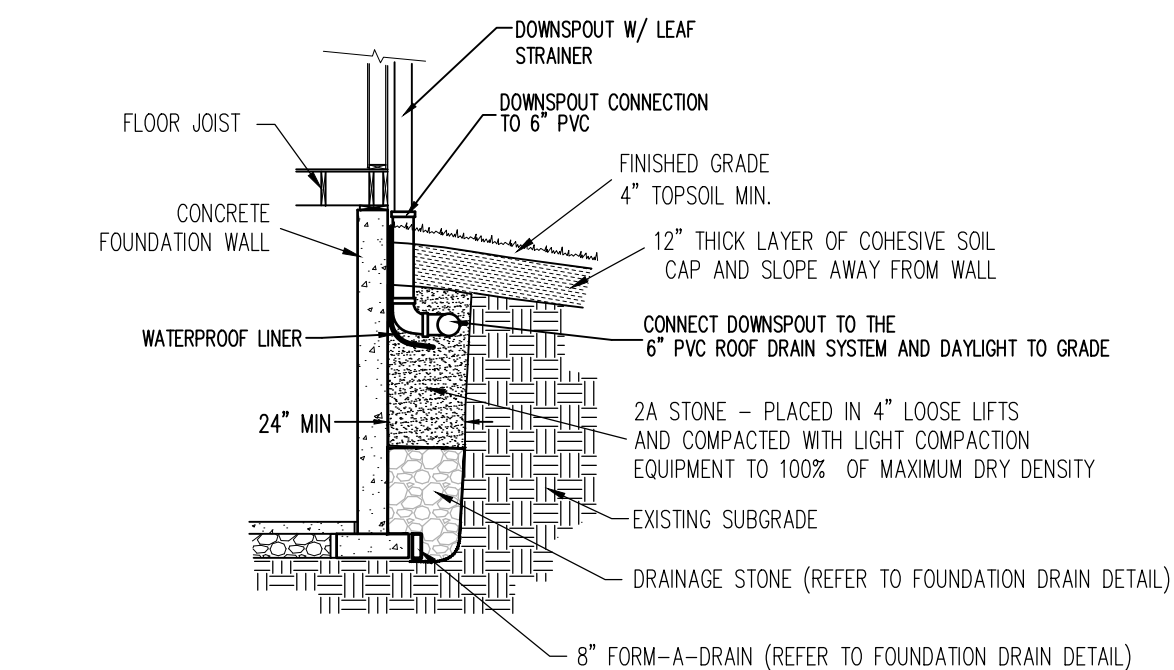
Date	Description
	REVISIONS

THISTLEWOOD LOT 19
FERGUSON TOWNSHIP
CENTRE COUNTY
PENNSYLVANIA

FINAL LAND
DEVELOPMENT
PLAN

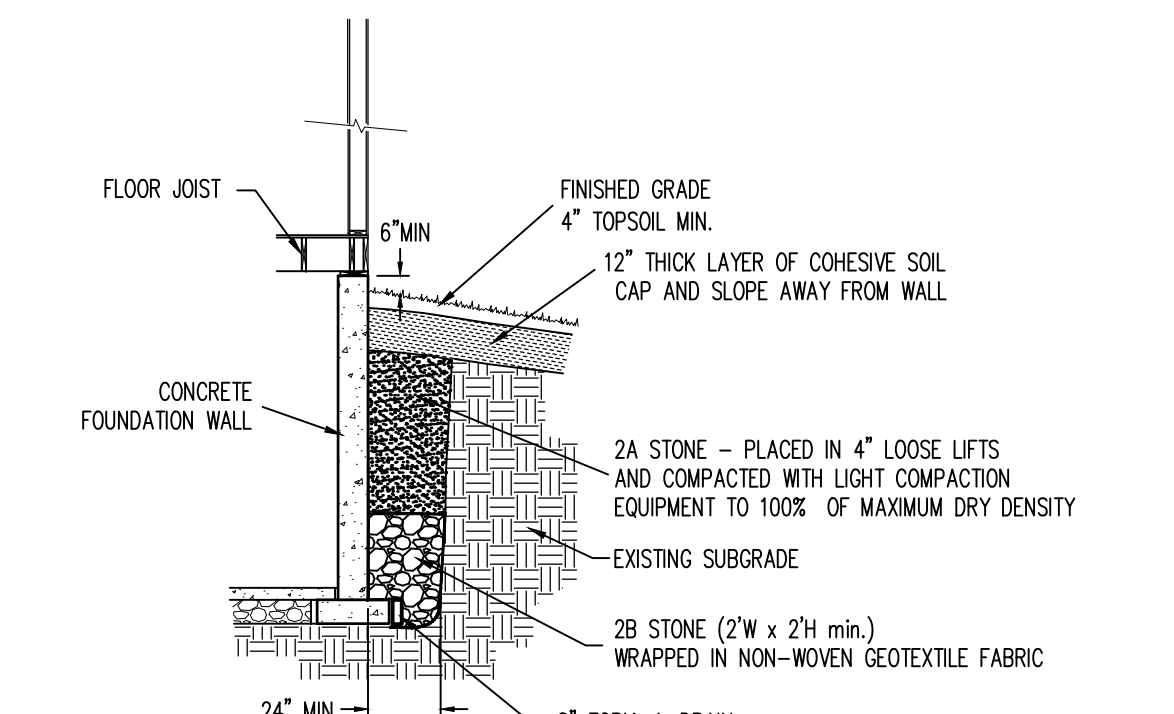
EROSION &
SEDIMENTATION
CONTROL PLAN
DETAILS

PROJECT NO.	15085
DATE	JULY 21, 2020
SCALE	AS SHOWN
SHEET NO.	3 of 4



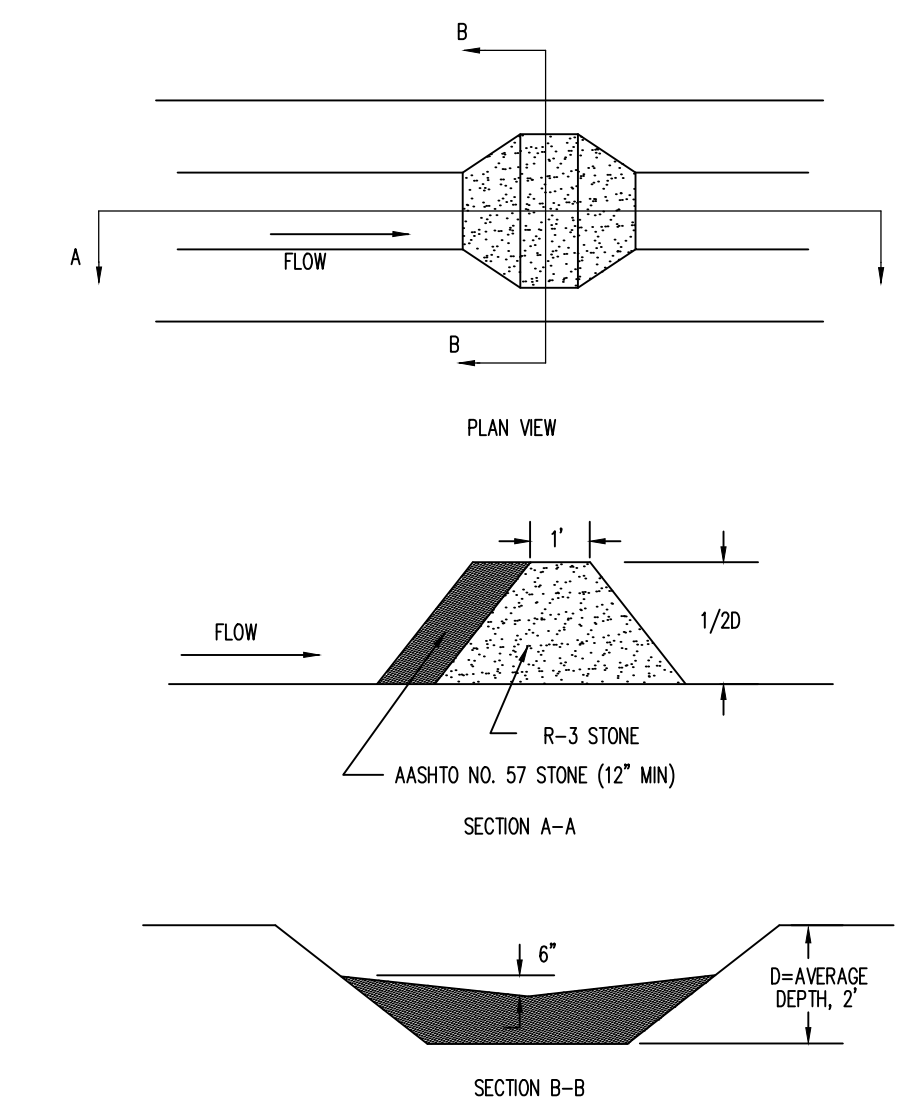
- NOTES:
1. ROOF DRAIN PIPES FOR ROOF RUNOFF ARE NOT PERMITTED TO CONNECT TO THE FOUNDATION DRAIN SYSTEM.
 2. ROOF DRAIN PIPES FOR ROOF RUNOFF ARE TO HAVE A MINIMUM SLOPE OF 1.0%.
 3. ROOF DRAIN PIPES FOR ROOF RUNOFF ARE TO BE SMOOTH-LINED PVC.

ROOF DRAIN DETAIL
NOT TO SCALE

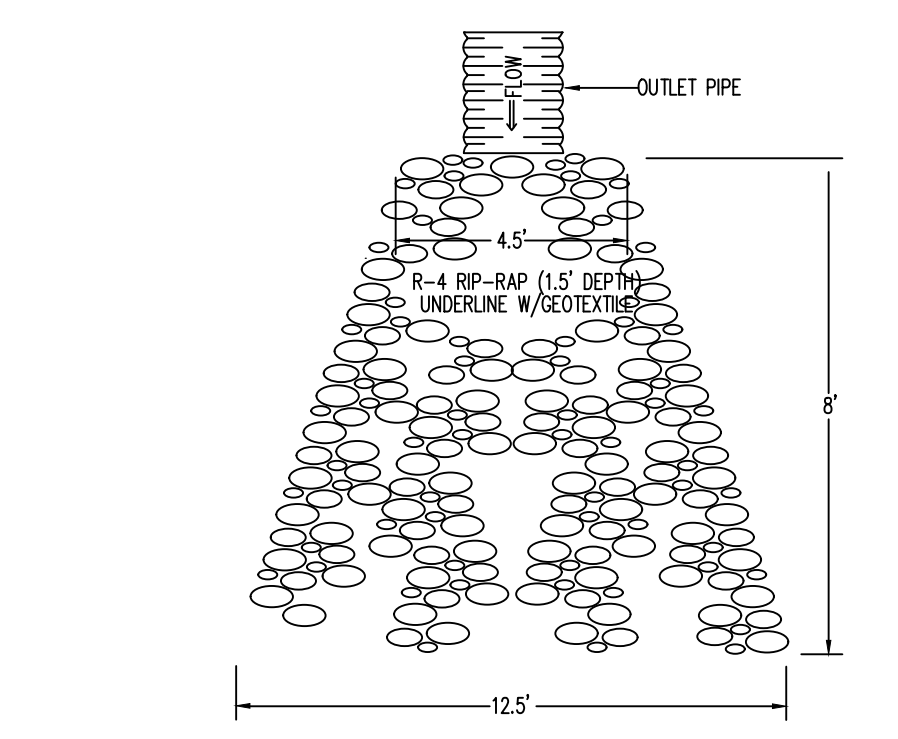


- NOTE: ROOF DRAIN PIPES FOR ROOF RUNOFF ARE NOT PERMITTED TO CONNECT TO THE FOUNDATION DRAIN SYSTEM.

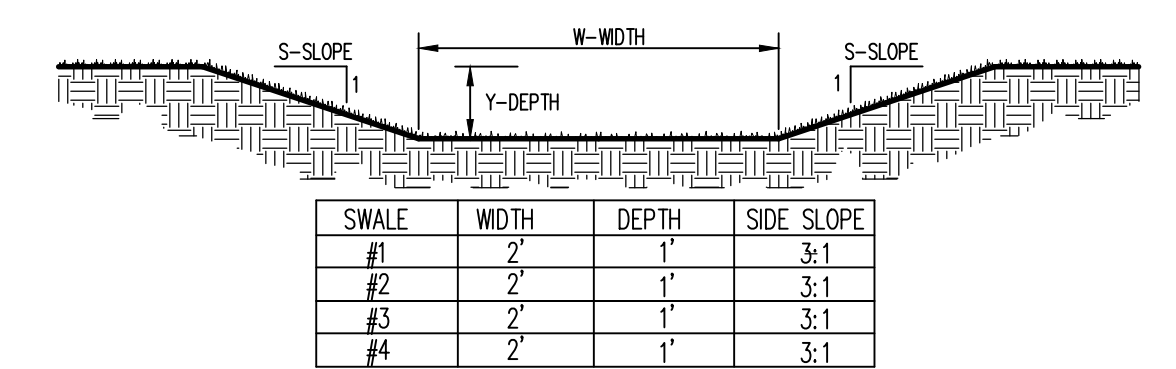
FOUNDATION DRAIN DETAIL
NOT TO SCALE



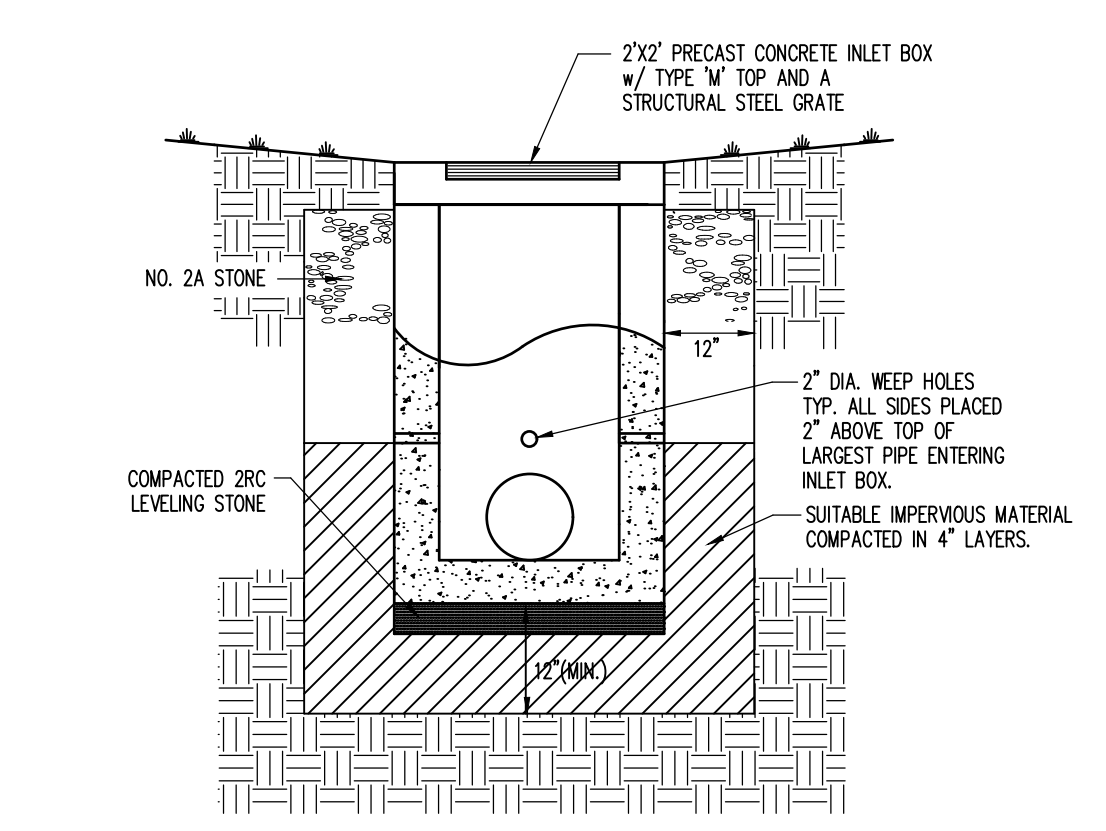
ROCK FILTER
NOT TO SCALE



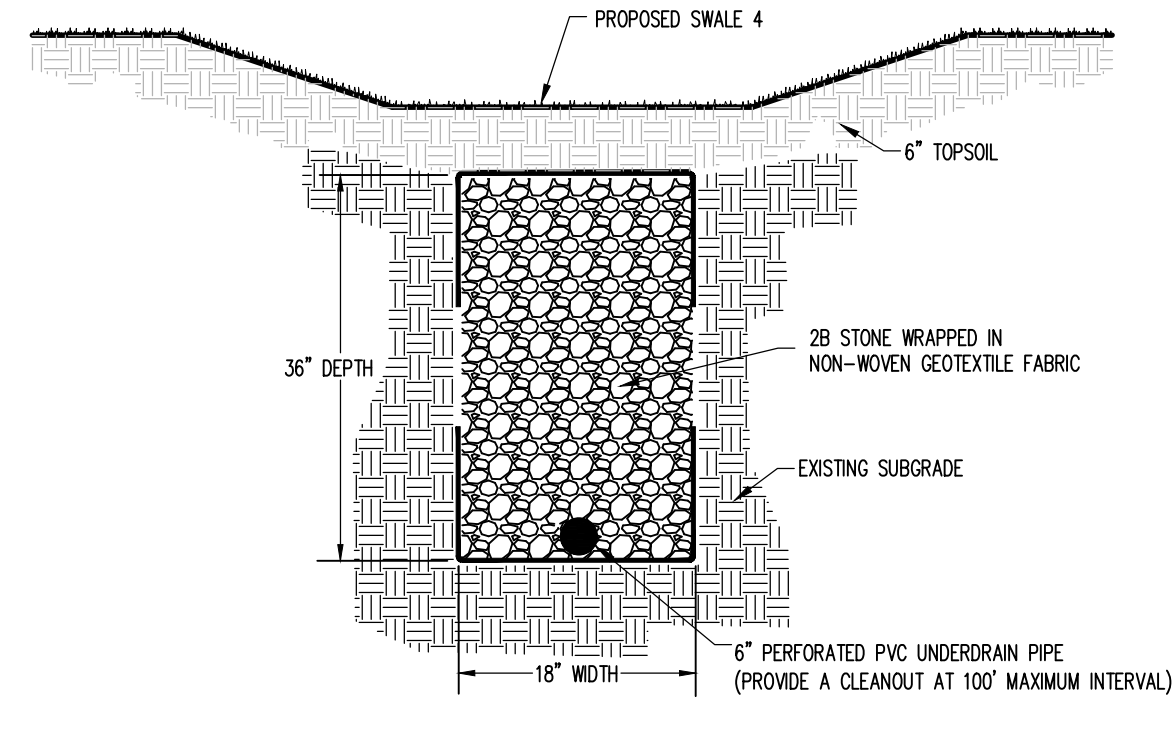
GEOTEXTILE LINED RIP-RAP APRON
NOT TO SCALE



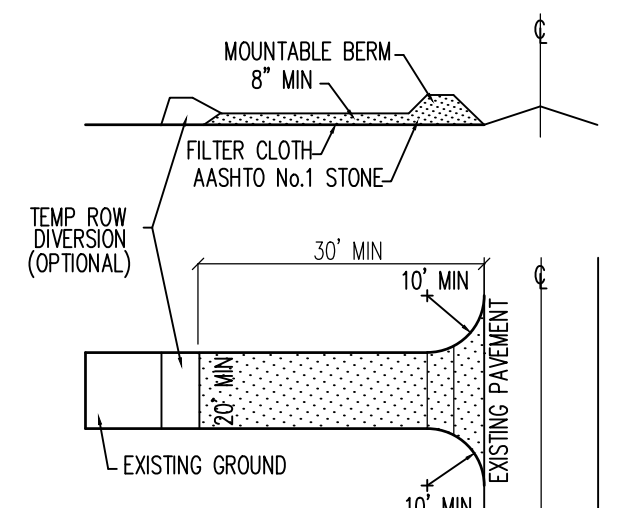
SWALE SECTION
NOT TO SCALE



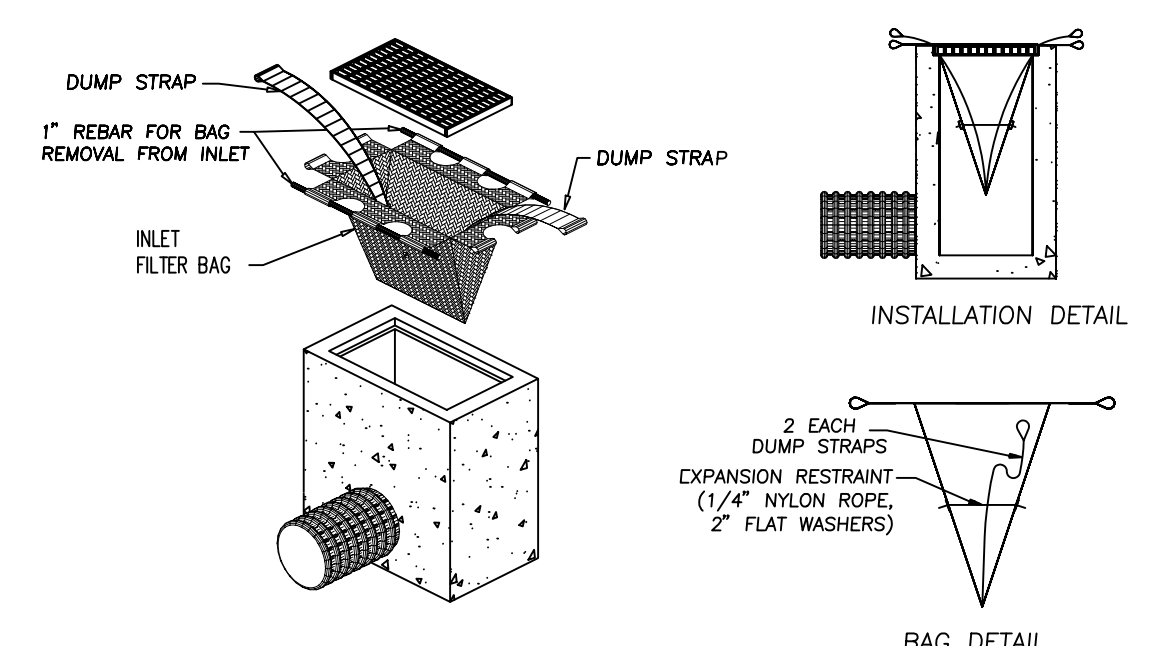
2'X2' TYPE 'M' PRECAST CONCRETE INLET
NOT TO SCALE



STONE CUTOFF TRENCH
NOT TO SCALE

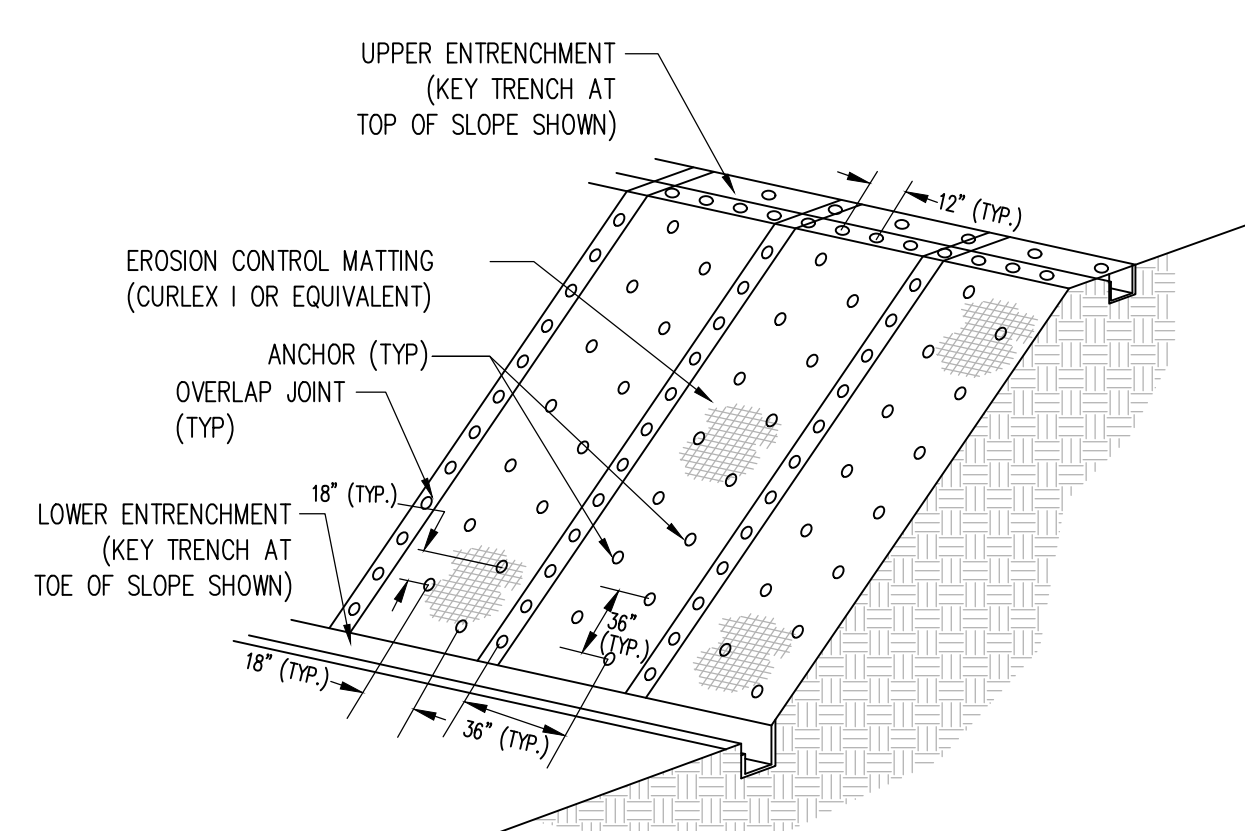


CONSTRUCTION ENTRANCE
NOT TO SCALE



- INLET FILTER BAG NOTES:**
1. FILTER BAG SHOULD TRAP PARTICLES LARGER THAN 150 MICRONS.
 2. WHEREVER FILTER BAGS ARE USED THEY SHOULD BE INSTALLED ACCORDING TO MANUFACTURERS SPECIFICATIONS.
 3. INLET FILTER BAGS SHOULD BE INSPECTED ON A WEEKLY BASIS AND AFTER EACH RUNOFF EVENT.
 4. FILTER BAGS SHOULD BE CLEANED AND/OR REPLACED WHEN BAG IS 1/2 FULL.
 5. DAMAGED FILTER BAGS SHOULD BE REPLACED.
 6. NEEDED REPAIRS SHOULD BE INITIATED IMMEDIATELY AFTER THE INSPECTION.

INLET FILTER BAG (TYPE M)
NOT TO SCALE



ON SLOPES 3:1 AND STEEPER

SWALE LININGS	CURLEX 1	CURLEX 2
ITEM TO BE LINED		
SWALES	X	X
SLOPES	X	

- INSTALLATION NOTES:**
1. PRIOR TO EROSION CONTROL LINING INSTALLATION STABILIZATION SHALL BE AS FOLLOWS:
A. SPREAD TOPSOIL.
B. SEED SLOPE WITH THE PERMANENT SEEDING MIXTURE.
C. BEGIN APPROPRIATE SLOPE MATTING INSTALLATION AS FOLLOWS BELOW.
 2. BURY TOP END OF THE STRIPS IN A TRENCH 12" DEEP (MIN.) X 6" WIDE (MIN.).
 3. TAMP TRENCH FULL OF SOIL. SECURE WITH ROW OF STAPLES 12" SPACING -- 4" AWAY FROM TRENCH.
 4. OVERLAP AND BURY UPPER END OF LOWER STRIP. OVERLAP END OF TOP STRIP 4" AND STAPLE.
 5. INSTALL DOUBLE ROW OF STAPLES AT EACH STRIP END (1" ABOVE AND 1" BELOW TRENCH).
 6. OVERLAP STRIPS AND STAPLE EVERY 18" O.C. ALONG OVERLAP IF MULTIPLE STRIPS ARE REQUIRED ALONG WIDTH OF SLOPE.

EROSION CONTROL LINING INSTALLATION
NOT TO SCALE

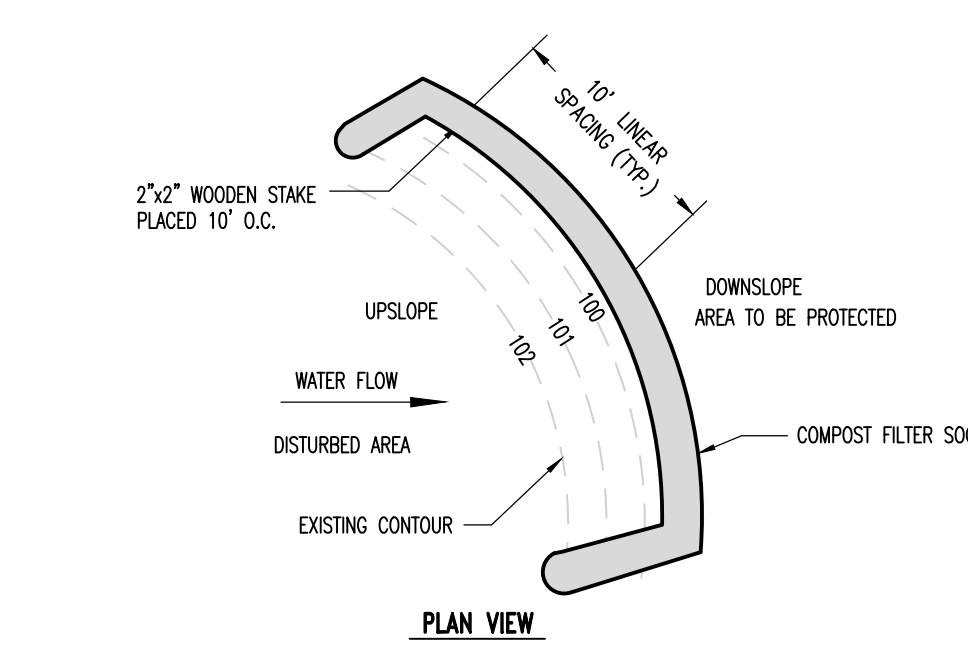


TABLE 4.1
Compost Sock Fabric Minimum Specifications

Material Type	3 mil HDPE	5 mil HDPE	5 mil HDPE	Multi-Filament Polypropylene (MFPP)	Heavy Duty Multi-Filament Polypropylene (HMFPP)
Material Characteristics	Photo-degradable	Photo-degradable	Bio-degradable	Photo-degradable	Photo-degradable
Sock Diameters	12" 18"	12" 18" 24" 32"	12" 18" 24" 32"	12" 18" 24" 32"	12" 18" 24" 32"
Mesh Opening	3/8"	3/8"	3/8"	3/8"	1/8"
Tensile Strength		26 psi	26 psi	44 psi	202 psi
Ultimate Stability % Original Strength (ASTM G-155)	23% at 1000 hr.	23% at 1000 hr.		100% at 1000 hr.	100% at 1000 hr.
Minimum Functional Longevity	6 months	9 months	6 months	1 year	2 years

Two-Ply Systems

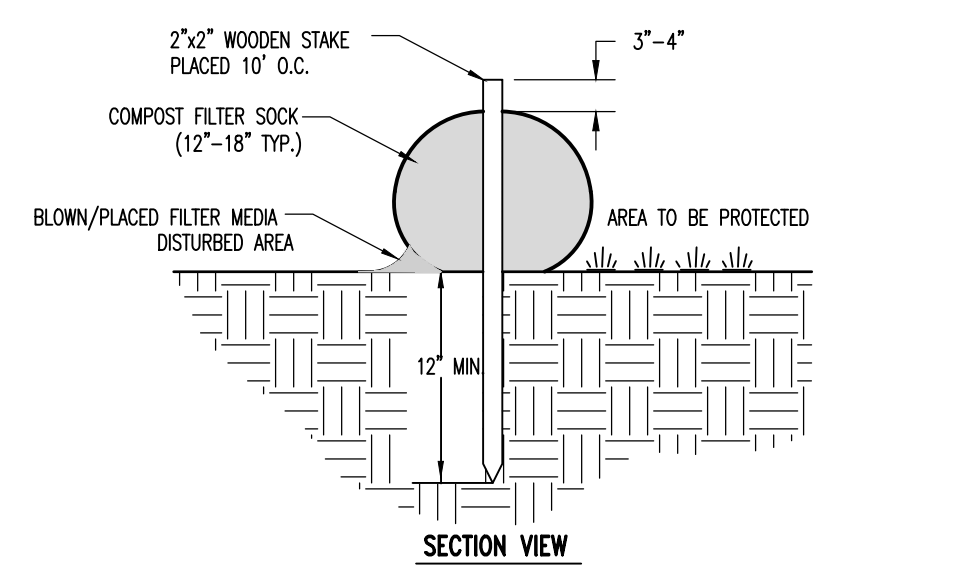
System	HDPE bi-axis net
Inner Containment Netting	Continuously wound Fusion-welded junctures 3/4"x3/4" Max. aperture size
Outer Filtration Mesh	Composite Polypropylene Fabric (Woven layer and non-woven fleece mechanically fused via needle punch)

Sock fabrics composed of burlap may be used on projects lasting 6 months or less.

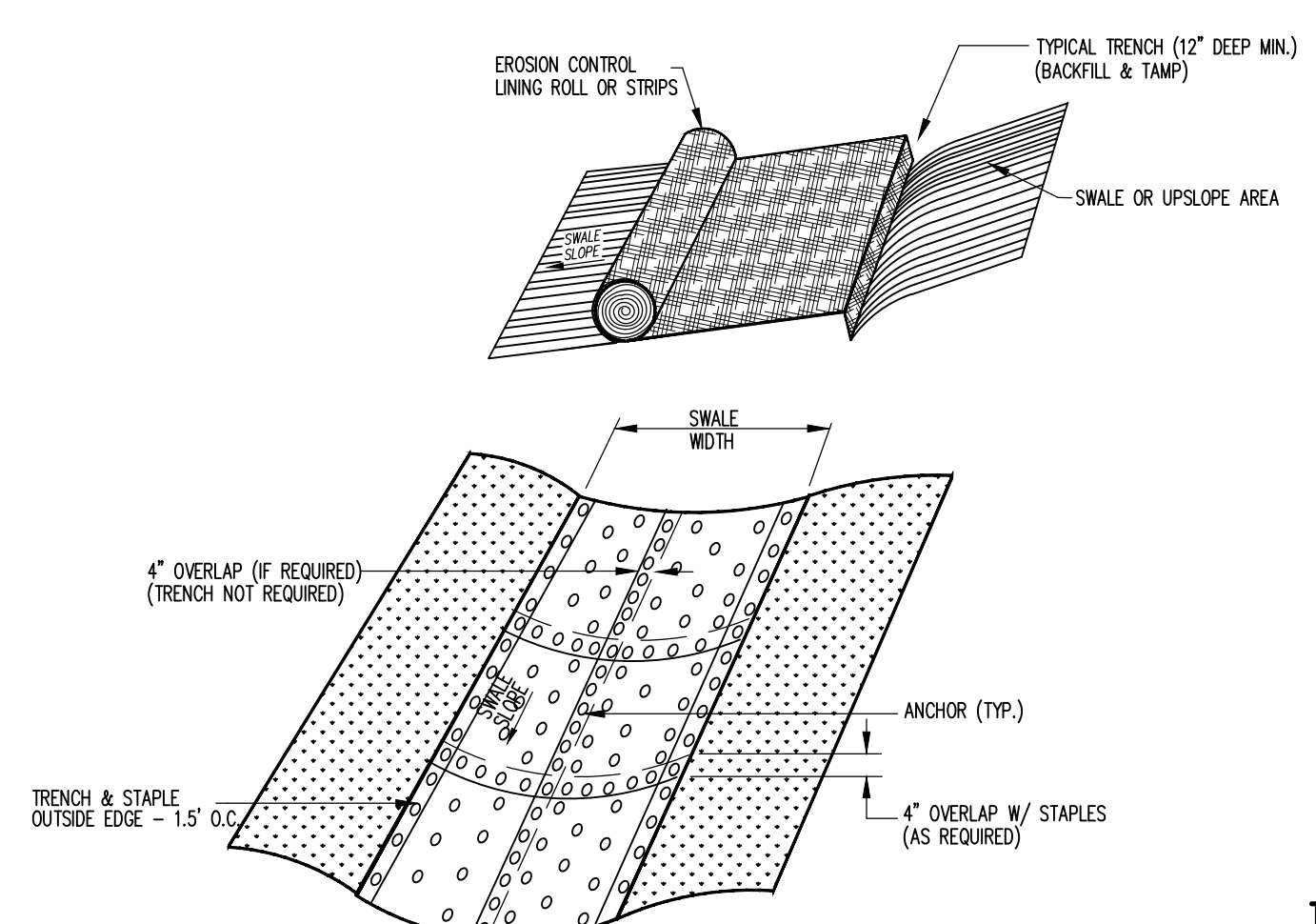
TABLE 4.2
Compost Standards

Organic Matter Content	25%-100% (dry weight basis)
Organic Particles	Fibrous and elongated
pH	5.5-8.5
Moisture Content	30%-60%
Particle Size	30% - 50% pass through 3/8" sieve
Soluble Salt Concentration	5.0 dS/m (mhos/cm) Maximum

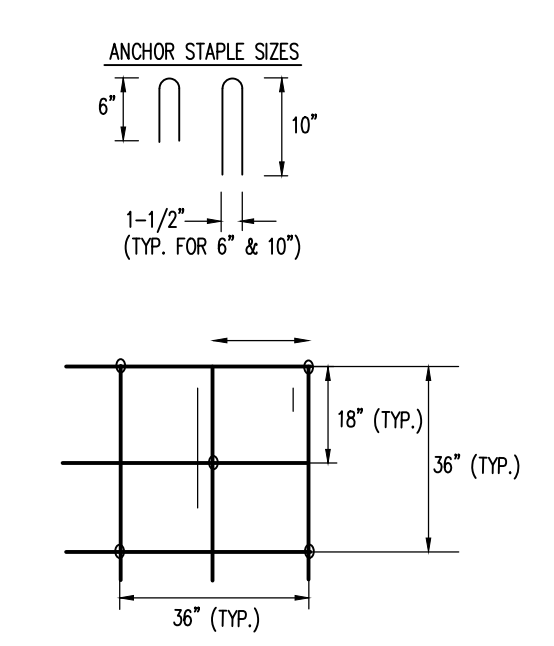
COMPOST FILTER SOCK DETAIL
NOT TO SCALE



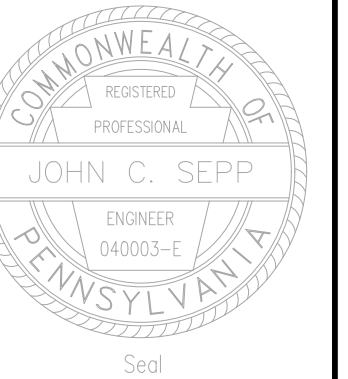
- NOTES:**
1. ALL MATERIAL TO MEET EPA COMPOST FILTER SOCK SPECIFICATIONS.
 2. SILT SOCK COMPOST/SOIL/ROCK/SEED FILL TO MEET APPLICATION REQUIREMENTS.
 3. SILT SOCKS DEPICTED ARE FOR USE ON MINIMAL SLOPES. GREATER SLOPES MAY REQUIRE LARGER SILT SOCKS PER THE ENGINEER.
 4. COMPOST MATERIAL TO BE DISPERSED ON SITE, AS DETERMINED BY ENGINEER.



IN SWALES

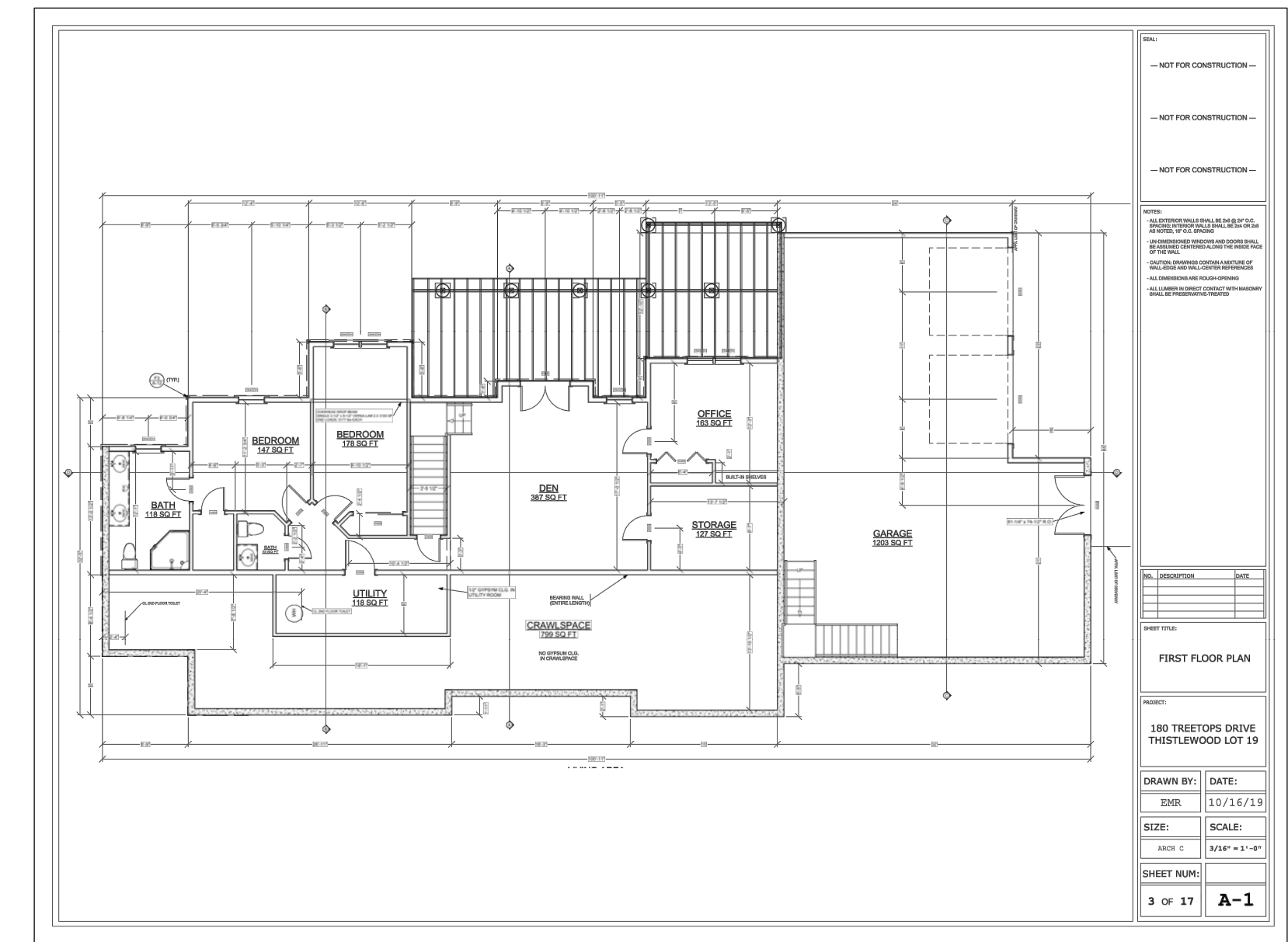


TYPICAL ANCHORING PATTERN

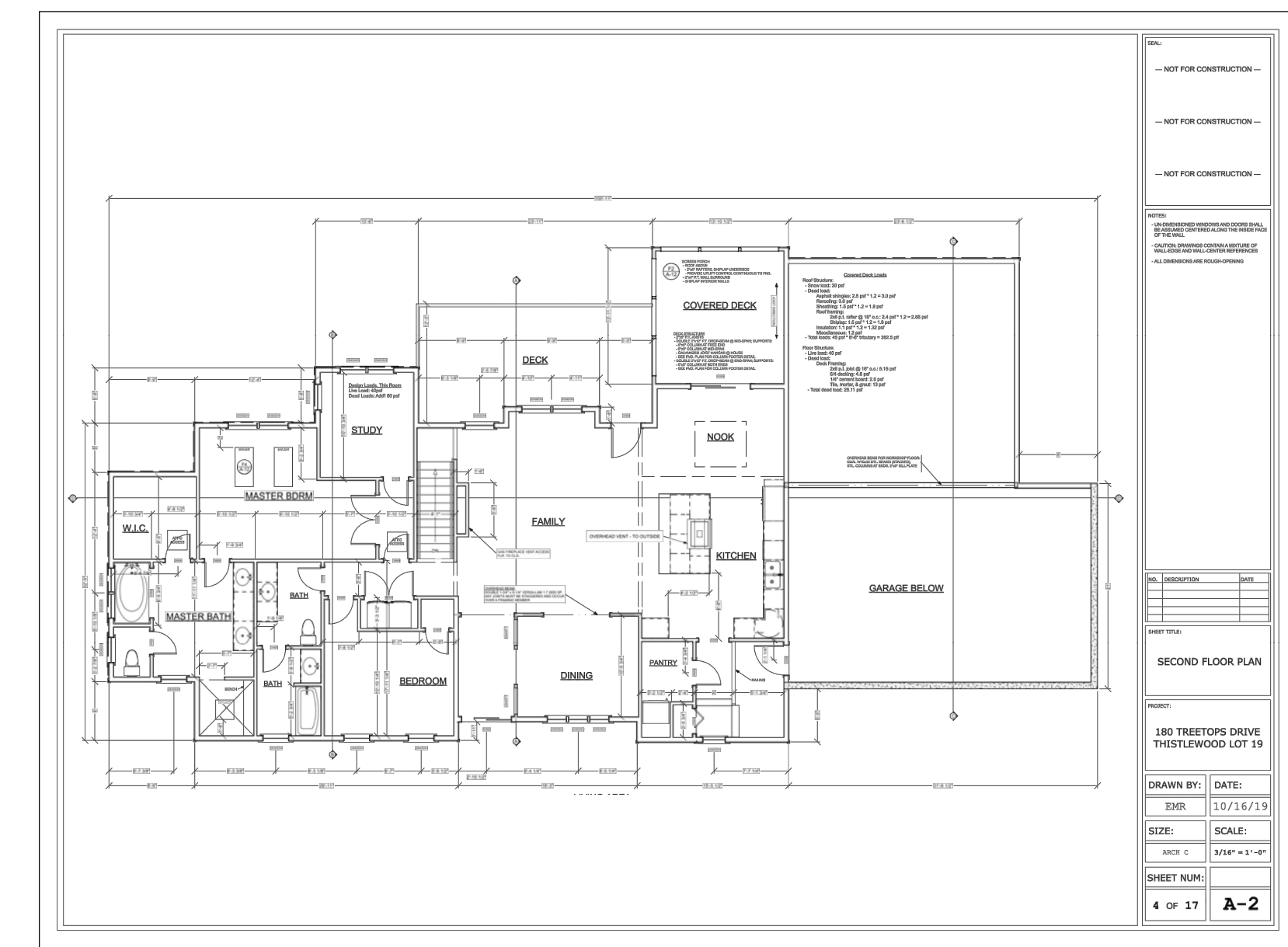


LIGHT FIXTURE SCHEDULE									
FIXTURE	DESCRIPTION	MANUFACTURER	MODEL NO.	MOUNTING	LAMPS	WATTS	VOLTS	HEIGHT	QUANTITY
L1	ENTRANCE LIGHT	WESTINGHOUSE	6697200	WALL	BULB	40	VERIFY	5'-6"	5
L2	GARAGE LIGHT	OSTWIN	OW-OLCL-01RW-1N930	WALL	LED	9	VERIFY	5'-6"	3
L3	POLE LIGHT	PORTFOLIO	FY12-001	POLE	BULB	40	VERIFY	6'-0"	1

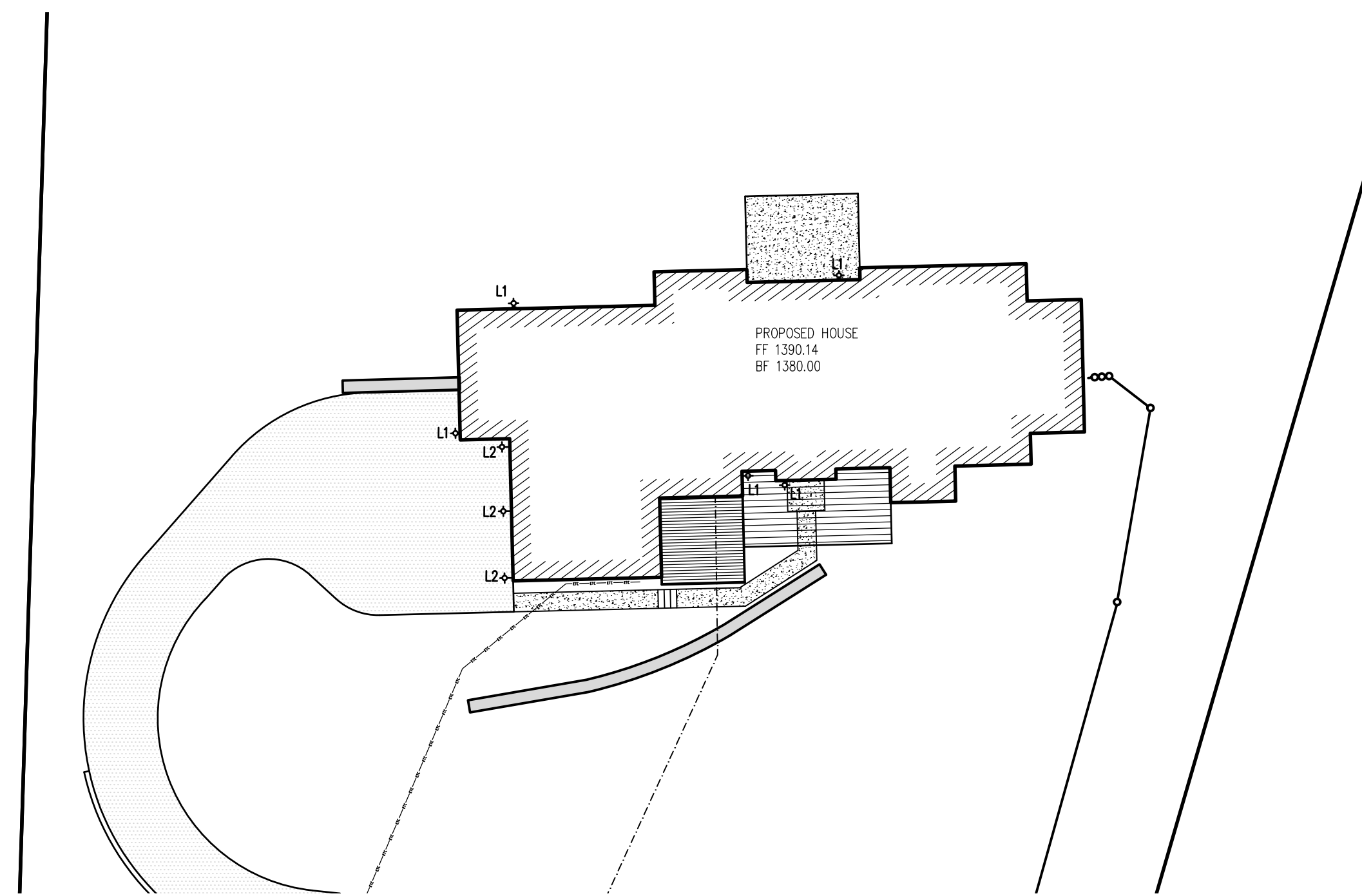
NOTES: 1. LOT OWNER MAY CHOOSE DIFFERENT LIGHT FIXTURE SO LONG AS REQUIREMENTS OF PROJECT NOTE 9 ON SHEET 1 OF 4 ARE MET.
2. THE POLE LIGHT FIXTURE L3 IS TO BE "DUSK TO DAWN."



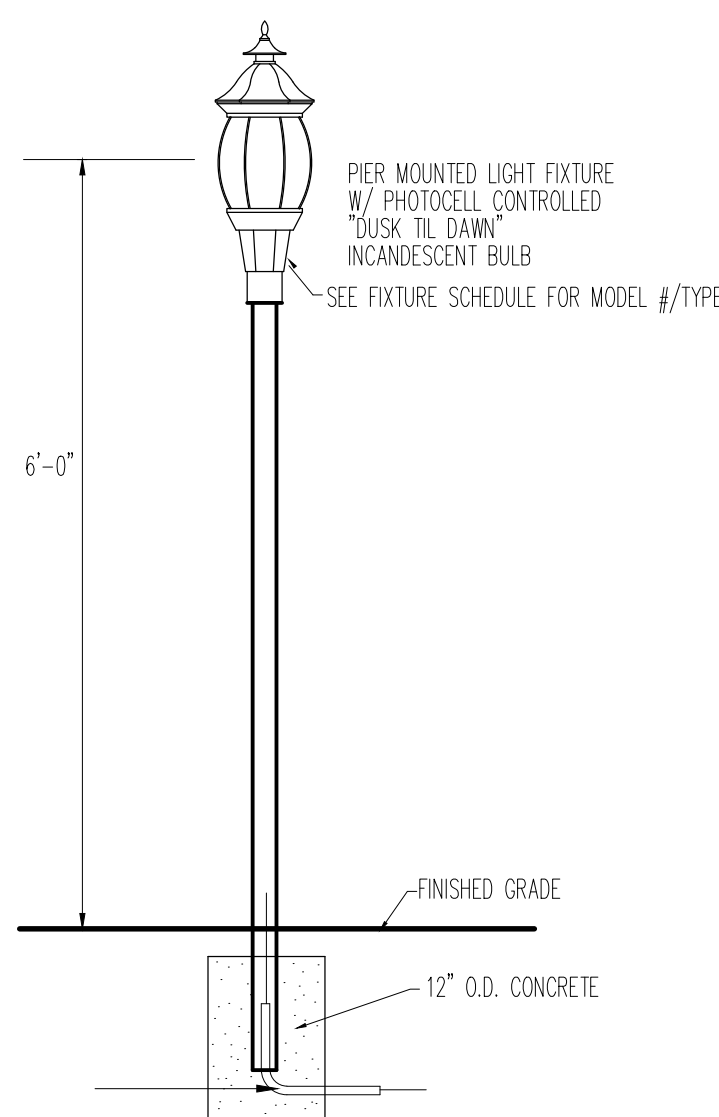
FIRST FLOOR PLAN
SCALE: AS NOTED



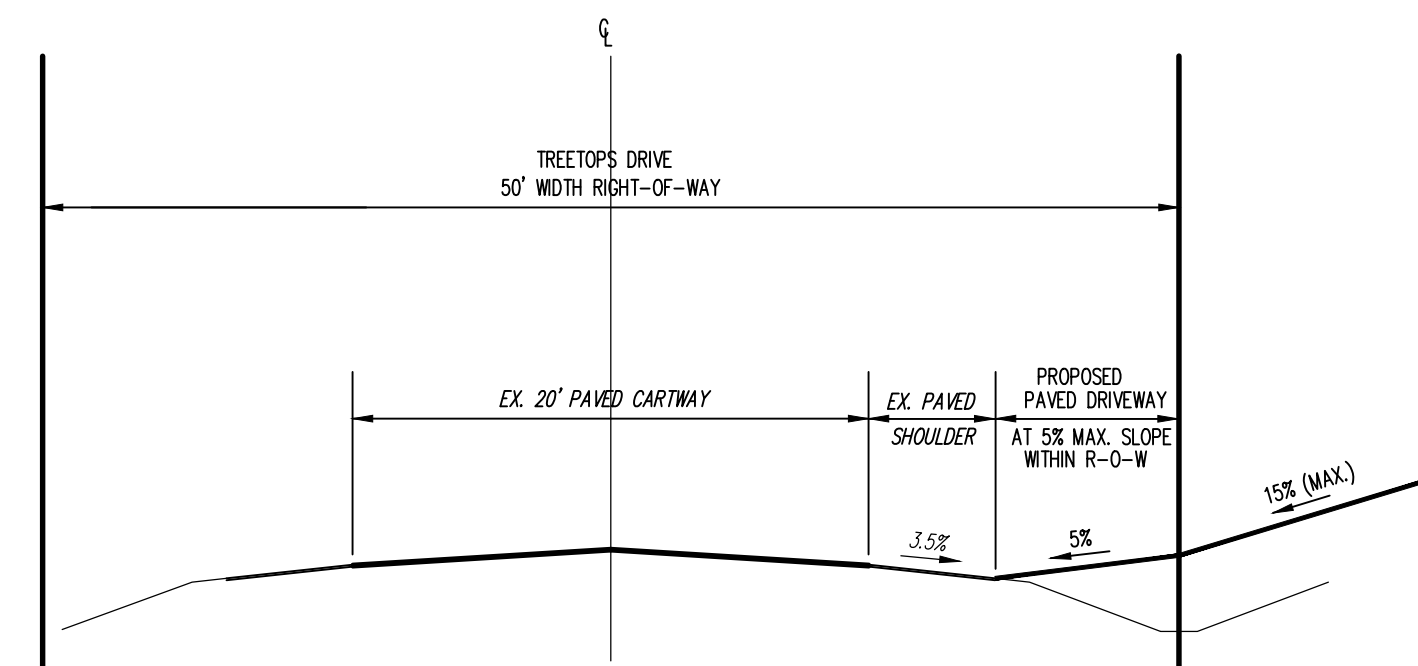
SECOND FLOOR PLAN
SCALE: AS NOTED



LIGHTING DETAIL
SCALE: 1"=20'

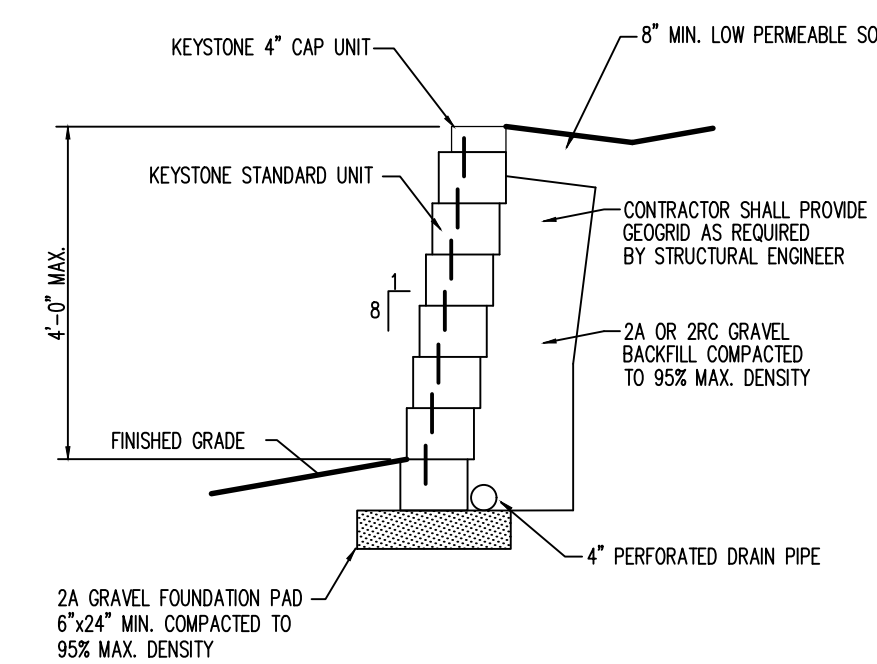


NO SCALE
NOTE: REFER TO SHEET 1 OF 3 FOR POLE LOCATION.



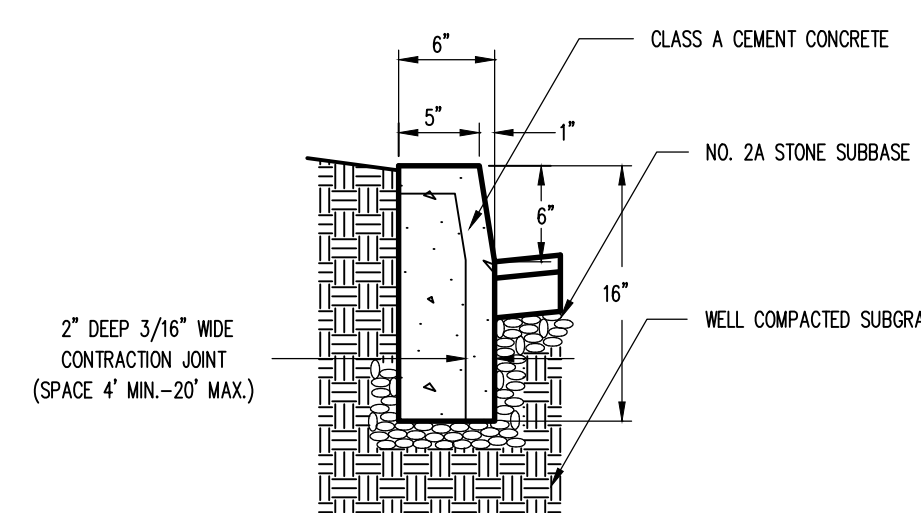
NOTES: 1. MAXIMUM DRIVEWAY SLOPE WITHIN FERGUSON TOWNSHIP RIGHT-OF-WAY IS 5%.
2. MAXIMUM DRIVEWAY SLOPE OUTSIDE THE RIGHT-OF-WAY IS 15%.

PROPOSED DRIVEWAY SLOPE
NOT TO SCALE

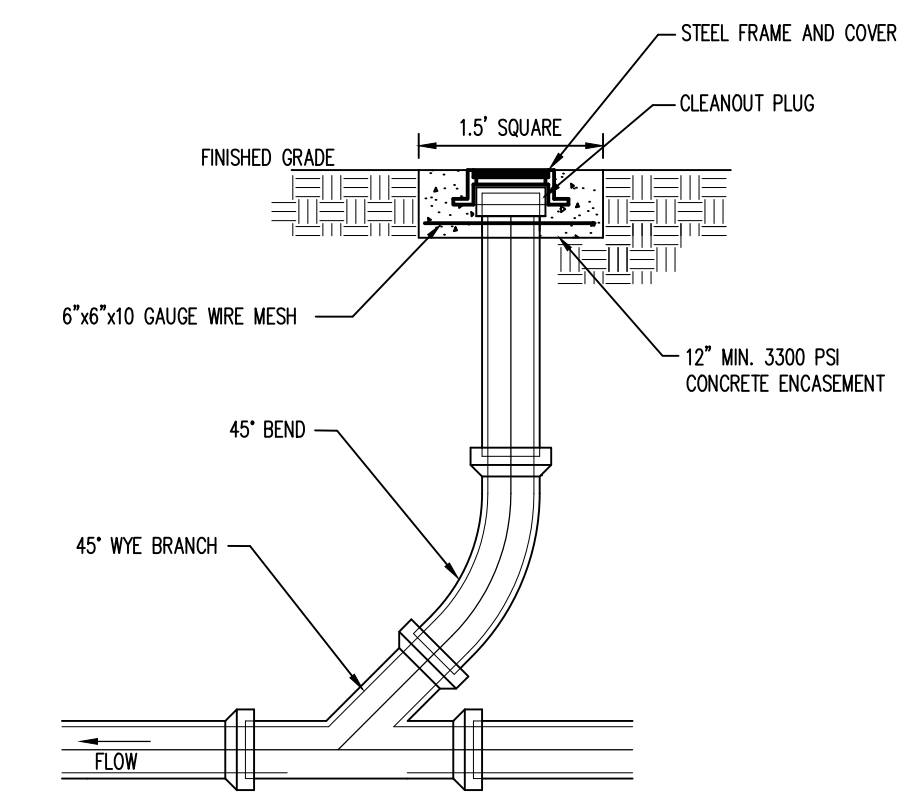


DESIGN BASED ON KEYSTONE STANDARD UNITS AS MANUFACTURED BY KEYSTONE RETAINING WALL SYSTEMS, INC. (FOR SUBSTITUTION, PROVIDE COMPARABLE DESIGN)

WALL SECTION
NOT TO SCALE



CONCRETE CURB
NOT TO SCALE



SANITARY SEWER CLEAN-OUT DETAIL
NOT TO SCALE

Designer: RRK
Draftsman: JJA
Proj Manager: JCS
Surveyor:
Perimeter Ok:
Book: Pg
Drive: P: Layout
Acad:

Date	Description

THISTLEWOOD
LOT 19
FERGUSON TOWNSHIP
CENTRE COUNTY
PENNSYLVANIA

FINAL LAND
DEVELOPMENT
PLAN

FLOOR PLANS
& DETAILS

PROJECT NO.
15085
DATE
JULY 21, 2020
SCALE SHEET NO.
AS SHOWN 4 OF 4



Department of
PLANNING AND ZONING

Interoffice Memorandum

TO: Board of Supervisors

FROM: Jenna Wargo, AICP, Director of Planning & Zoning

DATE: July 28, 2020

SUBJECT: Final Land Development Plan—Thistlewood Lot 19

On behalf of their client, Penn Terra Engineering submitted a Final Land Development Plan for Thistlewood Lot 19, plan dated, January 28, 2020, revised July 21, 2020. The Thistlewood Lot 19 Final Land Development Plan proposes to construct a single-family home, approximately 3,925 square feet on Lot 19 (180 Treetops Drive—24-746-007-000) within the Thistlewood Subdivision. The parcel is 1.816 acres and is zoned Rural Residential (RR).

As per the Thistlewood Recorded Subdivision Plan, dated September 24, 2004, revised March 16, 2005, certain lots are required to complete a Land Development Plan because of the topography, conservation easements, soil types, potential sinkhole development, and wetlands. Lot 19 is situated in an area where sinkhole development, flooding and drainage problems may arise. Therefore, an indemnity or hold harmless agreement must be submitted along with the plans. On July 20, 2020, the Board of Supervisors granted a modification to Chapter 22, Part 5, Section 510.B.2.a.,b. and Section 510.B.3 Erosion and Grading Control.

This land development plan is in compliance with the Township's Ordinances and outstanding staff comments are administrative.

Planning Commission reviewed this plan at their July 27, 2020 regular meeting and recommended that the Board of Supervisors approve the Final Land Development Plan for Thistlewood Lot 19.

STAFF RECOMMENDATION: Staff recommends that the Board of Supervisors approve the Final Land Development Plan for Thistlewood Lot 19.



TOWNSHIP OF FERGUSON

3147 Research Drive • State College, Pennsylvania 16801
Telephone: 814-238-4651 • Fax: 814-238-3454
www.twp.ferguson.pa.us

TO: Board of Supervisors

FROM: Kristina Aneckstein, Community Planner

DATE: July 31, 2020

SUBJECT: Thistlewood Lot 19 Final Land Development Plan

This Land Development Plan proposes a single-family home to be located at 180 Treetops Drive (Tax Parcel 24-746-007-,0000-). The proposed home will be 3,925 square feet. As per the Thistlewood Record Subdivision Plan, dated September 24, 2004, revised March 16, 2005, select lots are required to have Land Development Plan due to the topography, conservation easements, soil types, potential sinkhole development, and wetlands. A Modification/waiver for select erosion and grading controls was approved by the Board of Supervisors on July 20, 2020. The Preliminary Land Development Plan, submitted on January 28, 2020, last revised on June 5, 2020, was also approved at the July 20, 2020 Board of Supervisors meeting. A few minor changes have occurred since the Preliminary Plan was submitted, like a change in ownership by deed of the lot and updates to a stormwater basin within the Thistlewood Subdivision. Corrects due to said changes are addressed below as conditions subject to the approval of this Land Development Plan. Comment letters are also included in the packet.

At this point, all remaining comments are outlined below.

1. Chapter 22-307.7 A digital copy of the plan in accordance with Township requirements must be provided to the Township prior to final plan signature.
2. The plan must be signed, all fees paid to the Township and the plan recorded within the plan deadline.
3. Chapter 22-401 Completed signature blocks must be included on the Record Plan.
4. Chapter 22-401.1.A(1)(e) The Parcel ownership was transferred by deed on July 2, 2020. The owner and deed information needs to be corrected on the plan.
5. Chapter 22-401.1.A(1)(j) Add note 4i to reference the concurrently submitted Record Plan for Stormwater Facilities for Thistlewood that implement the required changes to the stormwater facilities.
6. Chapter 22-401.1.A(1)(j) Add note 27 that requires prior or concurrent approval and recording of the plan referenced in note 4i, and that the revisions noted on that plan need to be completed. As-built plans need to be submitted prior to occupancy for this project.

7. A new stormwater agreement for Lot 19 needs to be prepared that references the new plan and updated ownership information and provided to the Township Engineer for review.
8. Per the Thistlewood Record Subdivision Plan, dated September 24, 2004, revised March 16, 2005, Note 33 requires future lot The hold-harmless and indemnity agreement needs to updated to include the updated ownership information.

Recommendation: The Board of Supervisors approve the Thistlewood Lot 19 Final Land Development Plan, submitted on July 21, 2020 subject to the outstanding comments and conditions listed above and in the attached comment letters.

Ferguson Township

Memorandum

Date: July 30, 2020

To: Ferguson Township Board of Supervisors

From: Eric Endresen, Finance Director & David Pribulka, Township Manager

Re: 2021-2025 Capital Improvement Program Budget - proposed changes

The following items are the draft proposed changes to the CIP for 2021-2025 as a result of the two special meetings held on July 21 & 22, 2020:

Staffing

- The Board discussed delaying the movement of the Ordinance Enforcement Officer from part-time to full-time;
- The Board discussed delaying the hiring of the second Municipal Tree Specialist;

Administration – No changes;

Finance, Debt & Information Technology – No changes;

Police

- The Board discussed deferring the purchase of the police radar trailer to 2022;

Planning & Zoning

- The Board requested an expanded narrative on the housing study to focus on regional partnerships. The narrative has been incorporated with the draft document;

Buildings & Grounds

- The sinking fund table on page 60 was replaced;

Roads

- Williamsburg Drive repaving was removed;
- The Board discussing moving Sandra Circle, Muncy Road, Fairfield Circle, Pamela Circle, Stafford Circle, Brushwood Drive, Sleepy Hollow from 2021 to 2022;
- The Board discussed moving Aaron Drive from 2025 to 2023;

Public Works Equipment

- Staff is requesting adding the traffic signal upgrade at Science Park Road and West College Avenue for \$15,000;

Parks

- Added \$50,000 in contributions to offset the cost of the Veterans Memorial at the Louis E. Silvi Baseball Complex;
- The Board discussed adding \$10,000 per year from 2022 to 2025 for the park surveying program;
- The Board discussed moving the Greenbriar/Saybrook Master plan from 2024 to 2023;
- The Board discussed moving the Haymarket Park restrooms from 2025 to 2023. This also includes a change to the design reducing the estimated cost to \$120,000;
- The Board discussed moving Tudek Park Phase IIIa from 2023 to 2025;
- The Board discussed moving the compost facility at Meadows Park to an earlier program year;

Other recommended changes not discussed during the Special Meetings

- Added 3% to the 2021-2025 EIT revenue per Steve Miller & Lisa Strickland, page 22;
- Linked grant money \$612,500 to Park Improvement Fund revenue, page 21;
- Modified the Transfer Taxes to include 1% increases per the narrative, page 22;
- Deleted Pine Grove Mills Multimodal Grant revenue -\$386,000, page 24;
- Deleted Stormwater Staffing -\$769,704, page 31;
- Added Summary of the Roads by Fund and Type, page 61;
- Moved group of road paving projects from 2025 to 2023 (Cherry Hill Road, Airport Road, Glennwood Circle, Cromer Drive, Denton Ave, Farmstead Lane, South Corl Street, Circleville Road) based on their condition indices;
- Moved Westwind Drive, Stonebridge Drive, Sheffield Court to 2025 based on their condition indices;
- Updated associated ADA ramp, storm pipe relining, repairing stormwater inlet tops, and replacement of curb for years 2021, 2022, 2023, and 2025;
- Added 90% recycling grant and cost for combo brush/leaf collector net \$30,311 (\$303,111-\$272,800), page 69;
- Deleted extraneous row on Public Works Equipment Sinking Fund, page 70;
- Added the following narrative for the Regional Affordable Housing Study, per Jenna Wargo's email, dated July 27, 2020:

"A Regional Housing Study and Needs Assessment is the first step in the strategic planning process for Ferguson Township's Affordable Housing Initiatives. This analysis will inform the second step of the process, which is to recommend housing strategies for each municipality and for the region that will address key issues impacting housing affordability. A single solution targeted to a specific issue or population is no longer a sufficient strategy to advance an affordable housing agenda and many approaches must be considered. This Study will draw on internal resources, consultants, housing industry representatives and observations from the community.

Regional Housing Study and Needs Assessment will identify objectives and strategies to pursue by each municipality:

- *Develop a plan for listening to residents in need of better housing;*
- *Create a holistic regional strategy;*
- *Further the relationship between localities;*
- *Connect housing efforts to transportation and workforce development;*
- *Create a formal means for sharing information; and*

- *Advocate for the integration of housing into decision making.*

The Study will provide the Township with:

- *Household demographics;*
- *Housing supply and market conditions;*
- *Housing affordability and the gap not being addressed by the private market; and*
- *Key issues impacting affordable housing, which outlines the key housing issues as the basis for future strategy formulation (housing supply, land development policies, transportation, funding, incomes, discrimination)."*

- Added the following narrative for the Comprehensive Township Wide Traffic Study per Dave Modricker's email, dated July 27, 2020:

"This study is requested to help the Township understand the effects that development has had over the past 10 years on the road network, it will forecast development over the next 20 years, and using modeling software, predict impacts to the roadway network. The results of the study will provide information to plan and program funding for future capital improvements to the roadway system.

In 1998, the Township completed a comprehensive transportation study that forecasted a 20 year horizon (2018) traffic condition based upon assumptions in development within the Township over those 20 years. Development was rapidly occurring and an understanding of the cumulative effects of the development was not known, nor how to fund improvements to maintain an efficient street network. Based upon that study, certain improvements were identified and a funding source known as the Transportation Improvement Fund (TIF) was created to fund the projects. This study, which was started in the early 90s, had not only assumptions about development patterns over the 20 years, it also modeled changes in traffic patterns with the then future completion of significant missing links in the network such as Blue Course Drive from North Atherton Street to West College Avenue, Old Gatesburg Road from Science Park Road to Blue Course Drive, and Bristol Avenue from West College Avenue to Blue Course Drive.

Ten years later, development within the growth area occurred as well as zoning changes and the completion of Blue Course Drive. In 2009 an update to the study was initiated to consider these changes to land use and the street network. That study again considered a 20 year horizon with a future condition of 2030. Based upon that study, a list of updated projects was created for consideration for funding to maintain the network efficiency.

Now again, about 10 years later, staff recommends the Township update the study. Again, changes in zoning and land use will be considered as well as the actual effects of completion of links such as Old Gatesburg Road and Bristol Avenue. When the Township becomes more linear or even static in development trends, an update to the study may not be necessary."

Staff Recommendation: That the Board of Supervisors authorize advertisement of a public hearing on the 2021 – 2025 Ferguson Township Capital Improvement Program Budget reflective of changes approved by the Board of Supervisors during its Regular Meeting on August 3, 2020.

ALPHA SPACE CONTROL CO., INC.

INVOICE

Visit Us @ www.alphaspacecontrol.com
 Phone: 717-263-0182 Fax: 717-263-1193
 1580 GABLER ROAD
 CHAMBERSBURG, PA 17201

DATE	INVOICE #
7/14/2020	54574

NAME / ADDRESS	
FERGUSON TOWNSHIP CENTRE COUNTY 3147 RESEARCH DRIVE STATE COLLEGE, PA 16801	
ATTN:	RYAN SCALAN

JOB:	2020 TRAFFIC MARKINGS 20-348
ADDRESS:	
CITY/ST:	CENTRE COUNTY, PA.

TERMS	DUE DATE	CUSTOMER P.O. NO.	ALPHA P/SO #	SALES REP:
	8/13/2020		20-348	CHRIS / RICH
QTY	DESCRIPTION		COST	TOTAL
0	ROAD STRIPING:			0.00
0	LF OF 4" SINGLE YELLOW LINE		0.062	0.00
0	LF OF 4" OR 6" SINGLE WHITE LINE		0.057	0.00
0	LF OF 24" WHITE: STOP BAR/ CROSSWALK/ HATCHING		2.35	0.00
0	LF OF 24" GORE BAR(S) YELLOW		2.35	0.00
0	LF OF 18" BIKE HATCHING		2.25	0.00
0	LF OF 12" WHITE HATCHING/ VASCAR		2.15	0.00
0	LF 8" OF WHITE CROSSWALK		1.95	0.00
0	LF OF 6" WHT LINE CROSS WALKS		1.85	0.00
0	LF 4" WHITE PARKING STALL		0.30	0.00
0	EA PENNDOT ARROWS		50.00	0.00
0	EA PENNDOT COMBINATION ARROWS		100.00	0.00
0	8' ONLY LEGEND(S)		75.00	0.00
0	8' STOP LEGEND(S)		75.00	0.00
0	8' AHEAD LEGEND(S)		95.00	0.00
0	BIKE LEGEND		75.00	0.00
0	8' PED LEGEND		75.00	0.00
0	8' X-ING LEGEND		75.00	0.00
0	R X R CROSSBUCK LEGEND		175.00	0.00
0	8' SLOW LEGEND		75.00	0.00
0	LARGE CURVE ARROWS		85.00	0.00
0	BIKE SYMBOL		50.00	0.00
0	WRONG WAY ARROW		75.00	0.00
0	LANE MERGE ARROWS		100.00	0.00
0	12 X 18 YIELD TRIANGLES		2.50	0.00

	TOTAL
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ALPHA SPACE CONTROL CO., INC.


INVOICE

Visit Us @ www.alphaspacecontrol.com
 Phone: 717-263-0182 Fax: 717-263-1193
 1580 GABLER ROAD
 CHAMBERSBURG, PA 17201

DATE	INVOICE #
7/14/2020	54574

NAME / ADDRESS	
FERGUSON TOWNSHIP CENTRE COUNTY 3147 RESEARCH DRIVE STATE COLLEGE, PA 16801	
ATTN:	RYAN SCALAN

JOB:	2020 TRAFFIC MARKINGS 20-348
ADDRESS:	
CITY/ST:	CENTRE COUNTY, PA.

TERMS	DUE DATE	CUSTOMER P.O. NO.	ALPHA P/SO #	SALES REP:
	8/13/2020		20-348	CHRIS / RICH
QTY	DESCRIPTION	COST	TOTAL	
0	+ INTERSECTION SYMBOL (12' X 6')	50.00	0.00	
0	8' XX MPH LEGEND	75.00	0.00	
15,411	SF OF LINE REMOVAL VIA GRINDING METHOD	0.90	13,869.90	
0	SCHOOL SLOW	75.00	0.00	
0	H/C SYMBOL(S)	27.50	0.00	
	PENNSYLVANIA SALES TAX	6.00%	0.00	
<p>2020-C8 Pay App #3 Acct# 32.439.610 Pay \$13,869.90</p> 				

TERMS: NET 30 DAYS 1.5% INTEREST AFTER DUE DATE. VISA & MASTERCARD NOW BEING ACCEPTED. THANK YOU FOR YOUR PATRONAGE.	TOTAL \$13,869.90 PAY RTS
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2020-C8 Pavement Markings

Summary of Quantities in Ferguson Township

Alpha Space
Control

NO.	ITEM	UNIT	BID QTY	UNIT PRICE	BID TOTAL	Long Lines		All Legends		Eradication	
						Pay App 1 Qty	Pay App 1 Sub-Total	Pay App 2 Qty	Pay App 2 Sub-Total	Pay App 3 Qty	Pay App 3 Sub-Total
1	4" YELLOW LONG LINE	LF	394,998	\$0.062	\$24,489.88	365,359	\$22,652.26		\$0.00		\$0.00
2	4" or 6" WHITE LONG LINE	LF	358,953	\$0.057	\$20,460.32	281,373	\$16,038.26		\$0.00		\$0.00
3	24" WHITE (STOP / CROSS WALK / HATCHING)	LF	4,768	\$2.35	\$11,204.80		\$0.00	4,890	\$11,491.50		\$0.00
4	24" YELLOW (HATCHING)	LF	708	\$2.35	\$1,663.80		\$0.00		\$0.00		\$0.00
5	18" WHITE HATCHING (BIKE CROSSING)	LF	0	\$2.25	\$0.00		\$0.00		\$0.00		\$0.00
6	12" WHITE (VASCAR / HATCH)	LF	1,467	\$2.15	\$3,154.05		\$0.00	1,528	\$3,285.20		\$0.00
7	8" WHITE CROSS WALK	LF	185	\$1.95	\$360.75		\$0.00	3,961	\$7,723.95		\$0.00
8	6" WHITE CROSSWALK	LF	8,656	\$1.85	\$16,013.60		\$0.00	1,235	\$2,284.75		\$0.00
9	4" WHITE PARKING STALL	EA	3,371	\$0.30	\$1,011.30		\$0.00		\$0.00		\$0.00
10	SINGLE ARROW	EA	357	\$50.00	\$17,850.00		\$0.00	279	\$13,950.00		\$0.00
11	COMBINATION ARROW	EA	25	\$100.00	\$2,500.00		\$0.00	7	\$700.00		\$0.00
12	"ONLY" LEGEND	EA	4	\$75.00	\$300.00		\$0.00	6	\$450.00		\$0.00
13	"STOP" LEGEND	EA	4	\$75.00	\$300.00		\$0.00	4	\$300.00		\$0.00
14	"AHEAD" LEGEND	EA	4	\$95.00	\$380.00		\$0.00	4	\$380.00		\$0.00
15	"BIKE" LEGEND	EA	0	\$75.00	\$0.00		\$0.00		\$0.00		\$0.00
16	"PED" LEGEND	EA	2	\$75.00	\$150.00		\$0.00	2	\$150.00		\$0.00
17	"X-ING" LEGEND	EA	23	\$75.00	\$1,725.00		\$0.00	22	\$1,650.00		\$0.00
18	"R X R" CROSSBUCK LEGEND	EA	0	\$175.00	\$0.00		\$0.00		\$0.00		\$0.00
19	"SLOW"	EA	8	\$75.00	\$600.00		\$0.00	8	\$600.00		\$0.00
20	LARGE CURVE ARROW	EA	6	\$85.00	\$510.00		\$0.00		\$0.00		\$0.00
21	BIKE SYMBOL	EA	20	\$50.00	\$1,000.00		\$0.00	20	\$1,000.00		\$0.00
22	WRONG WAY ARROW	EA	2	\$75.00	\$150.00		\$0.00	2	\$150.00		\$0.00
23	LANE MERGE ARROW	EA	0	\$100.00	\$0.00		\$0.00		\$0.00		\$0.00
24	12"X18" YIELD TRIANGLES	EA	66	\$2.50	\$165.00		\$0.00	66	\$165.00		\$0.00
25	"+" INTERSECTION SYMBOL (12'X6")	EA	4	\$50.00	\$200.00		\$0.00		\$0.00		\$0.00
26	"XX MPH" LEGENG (8')	SF	0	\$75.00	\$0.00		\$0.00		\$0.00		\$0.00
27	PAVEMENT MARKING REMOVAL	SF	16,117	\$0.90	\$14,505.30		\$0.00	16.7	\$15.03	15,411.0	\$13,869.90
28	SCHOOL SLOW	EA	0	\$75.00	\$0.00		\$0.00	0	\$0.00		\$0.00
29	HC SYMBOLS	EA	5	\$27.50	\$137.50		\$0.00		\$0.00		\$0.00
	6" YELLOW BIKE PATH LINE	LF		\$0.50			\$0.00	2,626	\$1,313.00		\$0.00
						Pay App 1	\$38,690.52	Pay App 2	\$45,608.43	Pay App 3	\$13,869.90

Total Contract to Date \$98,168.85
Contract Budget \$104,841.00

APPLICATION FOR PAYMENT

TO OWNER: Ferguson Township Public Works Dept
 3147 Research Drive
 State College, PA 16801

PROJECT : New Public Works Bldg (PL)

APPLICATION NO. 2

PERIOD TO :: 7/31/2020
 PROJECT #'s : 12-19-019
 CONTRACT DATE:
 Invoice: 53674

Distribution to :
 OWNER
 ARCHITECT
 CONTRACTOR

FROM CONTRACTOR: Allied Mechanical & Elec. Inc. ARCHITECT :
 2141 Sandy Drive
 State College, PA 16803

CONTRACT FOR:

CONTRACTOR'S SUMMARY OF WORK

Application is made for payment as shown below.
 Continuation Page attached.

1. ORIGINAL CONTRACT AMOUNT..... \$480,000.00
 2. NET CHANGE BY CHANGE ORDERS..... \$0.00
 3. CONTRACT AMOUNT TO DATE (Line 1+/- 2)..... \$480,000.00
 4. TOTAL COMPLETED AND STORED TO DATE \$58,540.00
 (Column G on Continuation Page)
 5. RETAINAGE:
 a. 5 % of Completed Work..... 2,927.00
 (Columns D + E on Continuation Page)
 b. 0 % of Stored Material 0.00
 (Column F on Continuation Page)
 Total Retainage (Line 5a + 5b or
 Column I on Continuation Page) \$ 2,927.00
 6. TOTAL EARNED LESS RETAINAGE \$55,613.00
 (Line 4 minus Line 5 Total)
 7. LESS PREVIOUS APPLICATIONS FOR PAYMENT \$4,560.00
 (Line 6 from prior Application)
 8. CURRENT PAYMENT DUE \$51,053.00
 9. BALANCE TO FINISH, INCLUDING RETAINAGE
 (Line 3 minus Line 6) \$424,387.00

CHANGE ORDER SUMMARY	ADDITIONS	DEDUCTIONS
Changes approved in previous months by Owner		
Total approved this Month		
TOTALS		
NET CHANGES by Change Order		

Contractor's signature below is his assurance to Owner, concerning the payment herein applied for, that: (1) the Work has been performed as required in the Contract Documents, (2) all sums previously paid to Contractor under the Contract have been used to pay Contractor's costs for labor, materials and other obligations under the Contract for Work previously paid for, and (3) Contractor is legally entitled to this payment.

CONTRACTOR: Allied Mechanical & Elec. Inc.

By : David Horner Date : 7-27-2020

State of: Pennsylvania
 County of: Centre

Subscribed and sworn to before me this 27th day of July 2020

Notary Public Todd E. Horner
 My Commission Expires : 06-28-2023

Commonwealth of Pennsylvania - Notary Seal
 Todd E. Horner, Notary Public
 Centre County
 My commission expires June 28, 2023
 Commission number 1354041
 Member, Pennsylvania Association of Notaries

ARCHITECT'S CERTIFICATION

Architect's signature below is his assurance to Owner, concerning the payment herein applied for, that: (1) Architect has inspected the Work represented by this Application, (2) such Work has been completed to the extent indicated in this Application, and the quality of workmanship and materials conforms with the Contract Documents, (3) this Application for Payment accurately states the amount of Work completed and payment due therefore, and (4) Architect knows of no reason why payment should not be made.

AMOUNT CERTIFIED..... **\$ 51,053.00**

(Attach explanation if amount certified differs from the amount applied for. Initial all figures on this Application and on the Continuation Page that are changed to conform to the amount certified.)

Construction Manager: Brad E. Wade
Brad E. Wade, PE

By : on behalf of David Modricker Date : 07/28/2020

Contract: 2018-PWGG
 Fund: 30.409.750

Neither this Application nor payment applied for herein is assignable or negotiable. Payment shall be made only to Contractor, and is without prejudice to any rights of Owner or Contractor under the Contract Documents or otherwise.

CONTINUATION PAGE

APPLICATION FOR PAYMENT
 containing Contractor's signed Certification is attached
 Use Column I when variable retainage for line items may apply

Project: 12-19-019 / New Public Works Bldg (PL)

APPLICATION NO. :
 PROJECT #'S : 12-19-019
 PERIOD TO : 7/31/2020
 Invoice: 53674

A ITEM #	B WORK DESCRIPTION	C SCHEDULED VALUE	D COMPLETED WORK		F STORED MATERIALS (NOT IN D OR E)	G TOTAL COMPLETED AND STORED (D + E + F)		H BALANCE TO COMPLETION (C - G)	I RETAINAGE (IF VARIABLE RATE)
			FROM PREVIOUS APPLICATION (D + E)	THIS PERIOD		% (G / C)			
10	General Conditions	16,000.00	4,800.00	9,600.00		14,400.00	90.00	1,600.00	720.00
20	Mobilization	4,500.00		4,500.00		4,500.00	100.00		225.00
30	LEED Activities	1,500.00		750.00		750.00	50.00	750.00	37.50
40	Underground Plumbing Labor	30,100.00		12,040.00		12,040.00	40.00	18,060.00	602.00
50	Underground Plumbing Materi	15,000.00		12,000.00		12,000.00	80.00	3,000.00	600.00
60	Above Grade DWV Labor	15,000.00						15,000.00	
70	Above Grade DWV Material	16,000.00						16,000.00	
80	Domestic Water System Labo	25,000.00		1,250.00		1,250.00	5.00	23,750.00	62.50
90	Domestic Water System Mate	22,000.00		1,100.00		1,100.00	5.00	20,900.00	55.00
100	Gas Piping Labor	18,000.00						18,000.00	
110	Gas Piping Material	14,000.00						14,000.00	
120	Air Piping Labor	16,000.00						16,000.00	
130	Air Piping Material	5,000.00						5,000.00	
140	Lubrication Piping Labor	9,000.00						9,000.00	
150	Lubrication Piping Material	9,000.00						9,000.00	
160	Fixture Labor	17,000.00						17,000.00	
170	Fixture Material	40,500.00						40,500.00	
180	Water Heater	1,500.00						1,500.00	
190	Air Compressors	28,000.00						28,000.00	
200	Water Softener	21,000.00						21,000.00	
210	Insulation Labor	7,400.00						7,400.00	
220	Insulation Material	4,500.00						4,500.00	
230	Sprinkler System	106,000.00						106,000.00	
240	Excavation	25,000.00		12,500.00		12,500.00	50.00	12,500.00	625.00
250	Welding	5,000.00						5,000.00	
260	Commissioning	5,000.00						5,000.00	
270	O&M/Closeout	3,000.00						3,000.00	
Totals		\$ 480,000.00	\$ 4,800.00	\$ 53,740.00		\$ 58,540.00	12	\$ 421,460.00	\$ 2,927.00

**CONTRACTOR ACKNOWLEDGMENT OF PROGRESS PAYMENT
AND RELEASE OF LIENS AND CLAIMS**

Allied Mechanical & Electrical, Inc. ("Contractor") hereby acknowledges upon receipt from Ferguson Township ("Owner") of the sum of \$ 51,053.00 (the "Progress Payment"), which Progress Payment, together with all payments previously paid by Owner to or for the account of Contractor, constitutes payment in full of all sums presently due from Owner to Contractor for labor performed and materials and equipment furnished by Contractor, and any and all of its subcontractors and suppliers, pursuant to that certain contract between Owner and Contractor dated November 21, 2019 as modified by and including any and all change orders, extras, additions and substitutions (the "contract"), in connection with Contract 2018-PWGG New Public Works Building -Plumbing (the "Project") together with all related site improvements (the "Property").

The Progress Payment is more particularly described in the Contractor Application for Payment dated July 31, 2020 (the "Contractor Application") previously submitted by Contractor to Owner which Invoice is incorporated herein by this reference.

Contractor hereby represents and warrants to Owner that (I) except for retainage in the amount of Two Thousand Nine Hundred Twenty Seven Dollars and Zero Cents (\$2,927.00) (the "Retainage"), the Progress Payment constitutes payment in full of all amounts due from Owner to Contractor for labor performed and materials and equipment furnished arising out of or relating to the Contract as of the effective date of the Invoice, (II) no notice of unpaid balance and right to file lien or mechanic's or materialman's lien or claim has been filed against the Property by Contractor, (III) to the best of Contractor's knowledge, information and belief, no notice of unpaid balance and right to file lien, stop notice or mechanic's or materialman's lien or claim has been filed against the Property by any of its subcontractors or suppliers of Contractor who performed labor or furnished materials or equipment with respect to the Project, (IV) there is no known basis for the filing of any mechanic's or materialmen's lien, claim or stop notice with respect to the Project, and (V) all subcontractors and suppliers of contractors who were entitled to receive a portion of any progress payment previously paid to Contractor with respect to the Project have been paid in full.

Contractor, on behalf of itself and its subcontractors and suppliers, in consideration of the Progress Payment, hereby forever waives, releases and relinquishes any and all actions, causes of actions, liens, claims and demands whatsoever, which it now has or might or could have on or against the Project, the Property, Owner, Owner's surety, Owner's successors and assigns, for labor performed or materials or equipment furnished in connection with the Project; provided, however, that this release does not apply to the Retainage or to any labor performed or materials furnished by Contractor pursuant to the contract after the effective date of the Invoice.

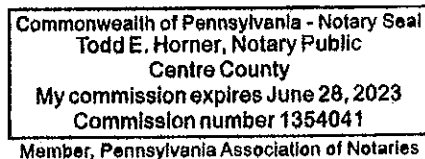
Contractor further declares that, by signing and sealing this instrument, Contractor shall be completely barred from filing or maintaining any and all liens, and claims against the Project and the Property for or with respect to the work described in the Contractor Application, and that in the event that any such lien, claim or stop notice is filed, Contractor shall immediately take steps to cause such lien, or claim to be discharged and satisfied. Contractor shall indemnify, defend and hold harmless Owner from and against all claims, damages, losses and expenses, including, but not limited to, attorney's fees, arising out of or resulting from the assertion by Subcontractor, or any of its subcontractors or suppliers, of any mechanic's lien or claim or the filing of any mechanic's lien, claim, or notice of intention against the Project or the Property or the failure to discharge mechanic's liens, claims and other filings, as aforesaid.

IN WITNESS WHEREOF, Contractor, intending to be legally bound hereby, has caused this instrument to be executed, under seal, as of this 27 day of July, 2020.

CONTRACTOR:

By Diane Horner
Diane Horner Accounting Manager

State of Pennsylvania
County of Centre



Sworn to and Subscribed before me this 27th day of July, 2020.

Todd E. Horner
Notary Public

My Commission Expires: 06-28-2023

**CHAPTER 19
SIGNS AND BILLBOARDS**

**PART 1
SIGN REGULATIONS**

- §19-101. **Applicability.**
- §19-102. **Purpose and Findings.**
- §19-103. **Definitions.**
- §19-104. **General Provisions.**
- §19-105. **Construction Specifications.**
- §19-106. **Prohibited Signs.**
- §19-107. **Exempt Signs.**
- §19-108. **Temporary Signs.**
- §19-109. **Permanent Sign Types By Use Table.**
- §19-110. **Residential Uses.**
- §19-111. **Commercial Uses.**
- §19-112. **Office, Industrial and Institutional Use Signs.**
- §19-113. **Permits.**
- §19-114. **Review of Existing Permanent Signs.**
- §19-115. **Nonconforming Signs.**
- §19-116. **Removal of Certain Signs.**
- §19-117. **Administration and Enforcement.**
- §19-118. **Violations and Penalties.**
- §19-119. **Severability.**

§19-101. Applicability.

Any sign erected, altered, or maintained after the effective date of this part shall conform to the following regulations.

§19-102. Findings and Purpose.

The purpose of this chapter is to encourage the effective use of signs as a means of communication in the Township, to maintain and enhance the aesthetic environment and the Township's ability to attract sources of economic development and growth; to improve pedestrian and traffic safety, to minimize the possible adverse effect of signs on nearby private property, to enable the fair and consistent enforcement of these sign restrictions, and protect the public health, safety, and general welfare by:

1. **Findings.** The Board of Supervisors finds:
 - a. Signs provide a vital function for the convenience of the public and for the efficient communication of commercial and noncommercial speech.
 - b. Unlike oral speech, signs may cause harm by virtue of the physical space they occupy by obstructing views, distracting motorists, displacing alternative uses of land, and endangering the safety of person or property. The Township has a substantial and compelling interest in all of the purposes set forth below and has a substantial and compelling interest in regulating signs in such a way that the harms caused by signs might be reduced and mitigated.
 - c. Signs are essential to the health and economic well-being of the Township by:
 - i. Facilitating consumer transactions and other commercial and industrial activities that allow businesses to be successful, which in turn provides employment and supports a stable tax base; and
 - ii. Providing information and directions for the safe and efficient travel of motor vehicles, bicycles, and pedestrians.
 - d. Signs have a strong visual impact on the character and aesthetic appearance of the Township.
 - i. They are a prominent part of the Township and, as such, can enhance or detract from the Township's image and character and facilitate or impede the creation of an attractive and harmonious environment in the Township.
 - ii. Their suitability or appropriateness helps to define the way in which the Township and neighborhoods within the Townships are perceived.
 - e. The visual environment and character of the Township are important factors for economic well-being because they influence the Township's appearance and land values.
 - f. The visual environment and character of the Township, as well as the orderly flow of traffic and safety of travel, are diminished when visual clutter results and the vision of motorists, bicyclists, and pedestrians is obstructed by the unrestricted proliferation and placement of signs, or from the improper maintenance of signs.
 - g. Regulation of the size, height, number, and spacing of signs throughout the Township is necessary to protect the public safety, to assure compatibility of signs with surrounding land uses, to enhance the business and economy of the Township, to protect the public

investment in the streets and highways, to maintain the tranquil environment of residential areas, to promote industry and commerce, to eliminate visual clutter and blights, to provide an aesthetically appealing environment, to provide ample, meaningful opportunities for persons who desire to display information by means of a sign to have their information seen and understood, and to provide for the orderly and reasonable display of advertising and other messages for the benefit of all persons in the Township.

- h. For these reasons, the needs of individual citizens, property owners, and businesses to convey their commercial and noncommercial messages must be balanced against the goals of the Township to ensure the safety of its roads and pedestrian-ways, maintain its desired character, and preserve and enhance the property values of property owners and businesses. The provisions of this Chapter do not entirely eliminate all of the harm that may be created by the installation of display of signs. Instead, they strike an appropriate balance that preserves ample channels of communication by means of visual display while still reducing and mitigating the extent of the harm caused by signs.
 - i. The provisions of this Chapter do not apply to every form and instance of visual speech that may be displayed within the Township. They are intended to regulate those forms and instances that are most likely to meaningfully affect one or more of the purposes set forth below.
 - j. The provisions this Chapter are neither intended nor designed to restrict or control signs for the purpose of promoting or stifling any messages and content that might appear on them.
2. **Purpose.** The purpose of this Chapter is to:
- a. Promote and protect the public health, safety, and welfare of those within the Township;
 - b. Promote the efficient use of signs as a means of communication;
 - c. Ensure that the right to free speech is protected;
 - d. Maintain and enhance a visual environment that allows the Township to attract sources of economic development and supports the economic well-being of the Township's businesses;
 - e. Protect and enhance the character, quality, and viability of the Township's development and neighborhoods;
 - f. Protect scenic views and avoid sign clutter;
 - g. Reduce the distractions, obstructions, and hazards to pedestrian, bicycle, and auto mobile traffic caused by the excessive number, size, height, illumination, movement, indiscriminate placement, overconcentration, or unsafe construction or maintenance of signs;
 - h. Reasonably accommodate:
 - i. The identification and advertising needs of businesses, institutions, and other entities; and
 - ii. The needs of persons moving through the public spaces of the Township to identify and locate destinations and find desired products and services;
 - i. Ensure signs are compatible with their surroundings, and minimize potential adverse effects on nearby properties;

- j. Enhance property values and business opportunities; and
- k. Enable efficient and consistent permitting and enforcement.

§19-103. Definitions.

Words and terms used in this part shall have the meanings given herein. Unless expressly stated otherwise, any pertinent word or term not part of this part but vital to the interpretation of this part shall be construed to have their legal definition, or in absence of a legal definition, their meaning as commonly accepted.

1. Words used in the present tense shall include the future tense;
2. Words used in the plural number shall include the singular and plural number, and the plural number shall include the singular number;
3. The words "shall" and "will" are mandatory and are not discretionary;
4. The word "may" is permissive;
5. The word "lot" shall include the words "place," "parcel," and "premises";
6. The word "building" means a structure, including any part thereof having a roof and used for shelter or enclosure for persons or property;
7. The phrase "used for" shall include the phrases "arranged for," "designed for," "intended for," "maintained for," or any other legal activity;
8. The word "person" shall include the words "individual," "corporation," "governmental agency," "trust," "estate," "partnership," "association," "venture," "joint venture," "participant," or any other legal activity;
9. As used in this part, the following terms shall have the meanings indicated;

ABANDONED SIGN—A sign which has not identified or advertised a current business, service, owner, product, or activity for a period of at least 90 days.

ADDRESS SIGN—A sign that designates the street number and/or street name for identification purposes, as designated by the United States Postal Service. (Also known as a "nameplate sign.")

AGRICULTURAL COMMODITY AND PRODUCT SIGN/FARMER'S MARKET SIGNS—Signs for items sold from an agricultural activity.

ANIMATED SIGN—A sign employing actual motion, the illusion of motion, or light and/or color changes achieved through mechanical, electrical, or electronic means. Animated signs, which are differentiated from changeable signs as defined and regulated by this part, include the following types:

- A. **ENVIRONMENTALLY ACTIVATED**—Animated signs or devices motivated by wind, thermal changes, or other natural environmental input.
- B. **MECHANICALLY ACTIVATED**—Animated signs characterized by repetitive motion and/or rotation activated by a mechanical system powered by electric motors or other mechanically induced means.

C. **ELECTRICALLY ACTIVATED**—Animated signs producing the illusion of movement by means of electronic, electrical, or electromechanical input and/or illumination capable of stimulating movement through employment of the characteristics of one or both of the classifications noted below:

- 1) **FLASHING**—Animated signs or animated portions of signs whose illumination is characterized by a repetitive cycle in which the period of illumination is either the same as or less than the period of non-illumination.
- 2) **PATTERNED ILLUSIONARY MOVEMENT**—Animated signs or animated portions of signs whose illumination is characterized by stimulated movement through alternate illuminated elements for the purpose of producing repetitive light patterns designed to appear in some form of constant motion.

ATTRACTION-BOARD SIGN—A permanent sign on which the information is changed periodically and identifies special, unique, limited activities, services, products, or sales of limited duration. Also included in this definition are “digital display signs,” “message center sign,” and “changeable-copy sign.”

AWNING—A cloth, plastic, or other nonstructural covering that projects from a wall for the purpose of shielding a doorway or window. An awning is either permanently attached to a building or can be raised or retracted to a position against the building when not in use.

AWNING SIGN—Any sign that is part of or attached to the surface of an awning.

BALLOON—A rubber sac inflated with air or helium and then sealed at the neck, used as a child’s toy or as a decoration.

BALLOON SIGN—A lighter-than-air, gas-filled balloon, tethered in a fixed location, which contains an advertisement message on its surface or attached to the balloon in any manner. This includes inflatable tube-like signs with forced air.

BANDIT SIGN—A sign tacked, nailed, posted, pasted, glued, or otherwise attached to objects such as, but not limited to, trees, poles, stakes, fences, public benches, streetlights, or other objects, or placed on any public property or in the public right-of-way or on any private property without the permission of the property owner. (Also known as a “snipe sign.”)

BANNER—Any cloth, bunting, plastic, paper, or similar nonrigid material attached to any structure, staff, pole, rope, wire, or framing which is anchored on two or more edges or at all four corners. Banners are temporary in nature and do not include flags.

BEACON LIGHTING—Any course of electric light, whether portable or fixed, the primary purpose of which is to cast a concentrated beam of light generally skyward as a means of attracting attention to its location rather than to illuminate any particular sign, structure, or other object.

BUILDING FRONTAGE—The portion of a lot boundary abutting a street.

CANOPY—A structure other than an awning made of fabric, metal, or other material that is supported by columns or posts affixed to the ground and may also be connected to a building.

CANOPY SIGN—Any sign that is part of or attached to a canopy.

CHANGEABLE-COPY SIGN—A sign or portion thereof on which the copy or symbols change, either automatically through electrical or electronic means, or manually through placement of letters or symbols on a panel mounted in or on a track system. The two types of changeable-copy signs are manual changeable-copy signs and electronic changeable-copy signs, which include: message center signs, digital displays, and tri-version boards.

CHANNEL-LETTER SIGN—A sign consisting of fabricated or formed three-dimensional letters, individually applied to a wall, which may accommodate a light source.

CLEARANCE—The distance above the walkway, or other surface, if specified, to the bottom edge of a sign. This term can also refer to a horizontal distance between two objects.

DIGITAL DISPLAY—The portion of a sign message made up of internally illuminated components capable of changing the message periodically. Digital displays may include, but are not limited to, LCD, LED, or plasma displays.

DIRECTIONAL SIGN—Signs designed to provide direction to pedestrian and vehicular traffic into and out of, or within, a site.

EAVELINE—The line formed by the intersection of the wall and the roof of a building.



Example eaveline.

Rendering for illustrative purposes only.

ELECTRONIC MESSAGE CENTER—An electrically activated changeable sign whose variable message and/or graphic presentation capability can be electronically programmed by computer from a remote location. Also known as an EMC. EMCs typically use light emitting diodes (LEDs) as a lighting source.

EXTERNAL ILLUMINATION—See “illumination.”

FADE—A mode of message transition of an electronic message sign accomplished by varying the light intensity, where the first message gradually reduces intensity to the point of not being legible and the subsequent message gradually increases intensity to the point of legibility.

FESTOON LIGHTING—A type of illumination comprised of either a group of incandescent light bulbs hung or strung overhead or on a building or other structure, or light bulbs not shaded, hooded, or otherwise screened to prevent direct rays of light from shining on adjacent properties or rights-of-way.

FLAG—Any sign printed or painted on cloth, plastic, canvas, or other like material with distinctive colors, patterns, or symbols attached to a pole or staff and anchored along only on edge or supported or anchored at only two corners.

FLASHING SIGN—A sign whose artificial illumination is not kept constant in intensity at all times when in use and which exhibits changes in light, color, direction, or animation. This definition does not include electronic message center signs or digital displays that meet the requirements set forth herein.

FREESTANDING SIGN—A sign installed upon the ground directly or through a structure designed for the exclusive purpose of supporting the sign, and not attached to a building or other structure. The following are subtypes of freestanding signs:

- A. **GROUND SIGN**—A sign permanently affixed to the ground at its base, supported entirely by a base structure and not mounted on a pole or attached to any part of a building. (Also known as a "monument sign.")
- B. **POLE SIGN**—A freestanding sign permanently affixed to one or more masts, poles, or open braces that are secured permanently to the ground and have as their principal purpose support of the sign, such that there is a minimum of two vertical feet of open air under any portion of the bottom of the sign.

GAS ISLAND CANOPY SIGNS (WITH OR WITHOUT KIOSK)—Signs for canopies over gas islands which may advertise corporate logos, names, letters, and symbols.

GAS STATION CANOPY—A freestanding, open-air structure constructed for the purpose of shielding service station islands from the elements.

GOVERNMENT/REGULATORY SIGN—Any sign for the control of traffic, for identification purposes, street signs, warning signs, railroad crossing signs, and signs of public service companies indicating danger or construction which are erected by or at the order of a public officer, employee, or agent thereof in the discharge of official duties.

GROSS SURFACE AREA—The area of a sign face shall be computed by means of the smallest square, circle, rectangle, or triangle which encompasses the extreme limits of characters, lettering, illustrations, logos, ornamentations, or other figures, together with any material or color forming an integral part of the background of the display, that is used to differentiate the sign from the backdrop or structure against which it is placed. Where the sign has two or more faces, the area of all faces shall be included in determining the gross surface area. Where the sign consists of individual letters or symbols attached to a building or wall, the area shall be considered to be that of the smallest square, circle, rectangle or triangle which encompasses all of the letters and symbols. The gross surface area shall not include any supporting structures, framing, pole, covers or bracing which is incidental to the display/sign itself and does not bear any advertising copy.

GROUND SIGN—See "freestanding sign."

HALO ILLUMINATION—See "illumination."

HOLIDAY DECORATIONS—Signs or displays, including lighting, which are a nonpermanent installation celebrating national, state, and local holidays, religious or cultural holidays, or other holiday seasons. (Also known as "seasonal decorations.")

ILLUMINATED SIGN—A sign with electrical equipment installed for illumination, either internally illuminated through its sign face by a light source contained inside the sign, or externally illuminated by a light source aimed at its surface.

ILLUMINATION—A source of any artificial or reflected light, either directly from a source of light incorporated into an object, structure, or sign, or indirectly from an artificial source.

- A. **EXTERNAL ILLUMINATION**—Artificial light located away from the sign, which lights the sign, the source of which may or may not be visible to persons viewing the sign from any street, sidewalk, or adjacent property.
- B. **INTERNAL ILLUMINATION**—A light source that is concealed or contained within the sign and becomes visible in darkness through a translucent surface. Message center signs, digital displays, and signs incorporating neon lighting shall not be considered internal illumination for the purposes of this part.
- C. **HALO ILLUMINATION**—A sign using a three-dimensional message, logo, etc., which is lit in such a way as to produce a halo effect. (Also known as "back-lit illumination.")

INCIDENTAL SIGN—A sign that displays general site information, instructions, directives, or restrictions that are primarily oriented to pedestrians and motor vehicle operators who have entered a property from a public street. These signs shall not contain any commercial advertising.

INCIDENTAL WINDOW SIGN—Signs displayed in the window displaying information such as the business's hours of operation, credit institutions accepted, commercial and civic affiliations, and similar information. These signs shall be informational only and shall not contain a commercial message.

INFLATABLE SIGN—A sign that requires air pressure to maintain its shape, made of flexible fabric, tethered to the ground or structure.

INTERACTIVE SIGN—An electronic or animated sign that reacts to the behavior or electronic signals of motor vehicle drivers.

INTERNAL ILLUMINATION—See "illumination."

LEGIBILITY—The physical attributes of a sign that allow for an observer's differentiation of its letters, words, numbers, or graphics.

LOT—A designated parcel, tract, or area of land established by plat, subdivision, or otherwise permitted by law to be used, developed, or built upon as a single unit under single ownership or control.

MANUAL CHANGEABLE-COPY SIGN—A sign or portion thereof on which the copy or symbols are changed manually through placement or drawing of letters or symbols on a sign face.

MARQUEE—A permanent roof-like shelter constructed of durable material that is supported solely by the building to which it is attached, and projects from the building face. A marquee is

generally located at the main entrance to a building. This term does not include a canopy or an awning.

MARQUEE SIGN—A sign attached to or hung from a marquee.

MECHANICAL MOVEMENT SIGN—A sign having parts that physically move rather than merely appear to move as might be found in a digital display. The physical movement may be activated electronically or by another means but shall not include wind-activated movement such as is used for banners or flags. Mechanical movement signs do not include digital signs that have changeable, programmable displays.

MEMORIAL SIGN—A memorial plaque or tablet, including grave markers or other remembrances of persons or events, which is not used for a commercial message.

MENU SIGN—A permanent sign attached to a building or structure for displaying the bill of fare available at a restaurant, or other use serving food, or beverages.

MESSAGE CENTER SIGN—A type of illuminated, changeable copy sign that consists of electronically changing alphanumeric text often used for gas price display signs and athletic scoreboards.

MESSAGE SEQUENCING—The spreading of one message across more than one sign structure.

MULTI-TENANT SIGN—A freestanding sign used to advertise businesses that occupy a shopping center or complex with multiple tenants.

MURAL—A hand-produced work of visual art which is tiled or painted by hand directly upon, or affixed to an exterior wall of a building, that otherwise doesn't meet the definition of "sign".

NEON SIGN—A sign illuminated by a neon tube, or other visible light-emitting gas tube, that is bent to form letters, symbols, or other graphics.

NIT—A photometric unit of measurement referring to luminance. One nit is equal to one cd/m² (candlepower per meter squared).

NONCONFORMING SIGN—A sign that was legally erected and maintained before the effective date of this part, or amendment thereto, that does not currently comply with sign regulations of the district in which it is located.

OFF-PREMISES SIGN—An outdoor sign whose message directs attention to a specific business, product, service, event/activity, commercial/noncommercial activity, or contains a noncommercial message about something that is not sold, produced, manufactured, furnished, or conducted on the premises upon which the sign is located. (Also known as a "third-party sign," "billboard," or "outdoor advertising.")

OFFICIAL TRAFFIC SIGN—Official highway route number signs, street name signs, directional signs, and other traffic signs erected and maintained on public highways and roads in the interest of public safety or for the regulation of traffic.

ON-PREMISES SIGN—A sign whose message and design relate to an individual business, profession, product, service, event, point of view, or other commercial or noncommercial activity sold, offered, or conducted on the same property where the sign is located.

PENNANT—A triangular or irregular piece of fabric or other material, commonly attached in strings or strands, or supported on small poles intended to flap in the wind.

PERMANENT SIGN—A sign attached or affixed to a building, window or structure, or to the ground in a manner that enables the sign to resist environmental loads, such as wind, and that precludes ready removal or movement of the sign and whose intended use appears to be indefinite.

POLE SIGN—See "freestanding sign."

PORTABLE SIGN—A sign which is movable by a person without aid of a motor vehicle or other mechanical equipment.

- A. **SANDWICH-BOARD SIGN**—A type of freestanding, portable, temporary sign consisting of two faces connected and hinged and whose message is targeted to pedestrians. (Also known as an "A-frame sign.")
- B. **VEHICULAR SIGN**—A sign affixed to a vehicle in such a manner that the sign is used primarily as a stationary advertisement for the business on which the vehicle sits or is otherwise not incidental to the vehicle's primary purpose.

PRIVATE DRIVE SIGN—A sign indicating a street or drive which is not publicly owned and maintained to be used only for access by the occupants of the development and their guests.

PROJECTING SIGN—A building-mounted double-sided sign with the two faces generally perpendicular to the building wall, not to include signs located on a canopy, awning, or marquee. (Also known as "blade sign.")

PUBLIC SIGN—A sign erected or required by government agencies or utilities, including traffic, utility, safety, railroad crossing, and identification signs for public facilities.

REFLECTIVE SIGN—A sign containing any material or device which has the effect of intensifying reflected light.

REVOLVING SIGN—A sign which revolves in a circular motion rather than remaining stationary on its supporting structure.

RIGHT-OF-WAY—A corridor of land set aside for use, in whole or in part, by a street or other public purpose.

ROOF SIGN—A building-mounted sign erected upon, against, or over the roof of a building.

SANDWICH-BOARD SIGN—See "portable sign."

SCOREBOARD—A sign contained within an athletic venue and intended solely to provide information to the attendees of an athletic event.

SCROLL—A mode of message transition on an electronic message sign in which the message appears to move vertically or horizontally across the display surface.

SECURITY SIGN—An on-premises sign regulating the use of the premises, such as a "no trespassing," "no hunting," or "no soliciting" sign. (Also known as a "warning sign.")

SHIELDED—The description of a luminaire from which no direct glare is visible at normal viewing angles by virtue of its being properly aimed, oriented, or located which is properly fitted with devices such as shields, barn doors, baffles, louvers, skirts, or visors.

SIGN—Any device, fixture, placard, or structure which uses any color, form, graphic, logo, illumination, symbol, or writing which advertises, announces the purpose of or identifies the purpose of a product, service, place, activity, person, institution, business, or solicitation to the public. Also included are any emblems, painting, flags, banners, pennants, or placards designed to advertise, identify, or convey information and any permanently installed or situated sign merchandise.

SIGN AREA—See "gross sign area."

SIGN HEIGHT—The distance from the existing ground elevation at the base of or immediately below the sign to the highest point of the sign structure.

SIGN OFFICER—The Sign Officer shall be the Ferguson Township Zoning Administrator.

SIGN SUPPORTING STRUCTURE—Poles, posts, walls, frames, brackets, or other supports holding a sign in place.

STOREFRONT—The exterior facade of a building housing a commercial use that is visible from a street, sidewalk, or other pedestrian way accessible to the public and containing the primary entrance to the commercial establishment.

STREAMERS—A display made of lightweight, flexible materials consisting of long, narrow, wavy strips, hung individually or in a series, with or without a logo or advertising message printed or painted on them and typically designed to move in the wind.

STREET POLE BANNER—A banner suspended above a public sidewalk and attached to a single street pole. These signs shall not contain any commercial advertising.

TEMPORARY SIGN—A temporary sign or display that is intended or constructed for display and generally constructed of lightweight materials and installed in a manner so as to be easily removed.

TOURIST-ORIENTED DIRECTIONAL SIGN (TOD), STATE RIGHT-OF-WAY—A 24-inch-by-72-inch or 16-inch-by-48-inch directional sign on blue or brown background that indicates the name of and gives directional guidance to the participant's location. These signs are located for individual participants, following PennDOT's TODs signage policy and are not part of a larger sign system. TOD signs are permitted in the state right-of-way.

TOURIST-ORIENTED DIRECTIONAL SIGN (TOD), TOWNSHIP RIGHT-OF-WAY—A sign that may include text, a symbol and directional arrow, not to exceed a total of six square feet. These smaller TOD signs are permitted within the Township right-of-way.

TRANSITION—A visual effect used on an electronic message sign to change from one message to another.

TRI-VISION BOARDS—An outdoor unit with a slatted face that allows three different copy messages to revolve at intermittent intervals.

VEHICULAR SIGN—See "portable sign."

VENDING MACHINE SIGN—A sign displayed on a vending machine indicating the name of the product being sold and/or the price of such product.

WALL SIGN—A building-mounted sign which is either attached to, displayed on, or painted on an exterior wall in a manner parallel with the wall surface which projects not more than 12 inches from that wall or surface. A sign installed on a false or mansard roof is also considered a wall sign. (Also known as: "fascia sign," "parallel wall sign," or "band sign.")

WARNING SIGN—See "security sign."

WINDOW SIGN—A sign which is painted on, applied to, or affixed to a window or door, or located within three feet of the interior of the window or door, and is legible and intended to be read from the exterior of the building.

YARD SIGN—A lightweight, temporary, freestanding sign that is generally installed in the ground on a wooden post or a thin frame made of metal.

ZONING HEARING BOARD—The Zoning Hearing Board of Ferguson Township.

ZONING ORDINANCE—The Zoning Ordinance of Ferguson Township (Chapter 27).

§19-104. General Provisions.

1. Basis on Which Signs Are Regulated. The display of signs in Ferguson Township is hereby regulated on the basis of the following factors:
 - A. Type of sign;
 - B. Area of the sign;
 - C. Height of the sign;
 - D. Location of the sign;
 - E. Number of signs permitted on a property.

2. Sign Illumination.

All sign illumination will comply with Ferguson Township's Lighting Ordinance §4-111.

- A. Illumination. Signs may be illuminated, unless specified otherwise herein, consistent with the following standards:

- 1) Light Sources. Light sources to illuminate signs shall neither be visible from any street right-of-way, nor cause glare hazardous or distracting to pedestrians, vehicle drivers, or abutting properties.
 - 2) Detectable Light. No more than 0.2 footcandle of light shall be detectable at the boundary of any abutting property.
- B.** Message Duration. The length of time each message may be displayed on an attraction-board sign shall be no less than 10 seconds.
- C.** Types of Illumination. Where permitted, illumination may be:
- 1) External. Externally illuminated signs, where permitted, are subject to the following regulations:
 - a) The source of the light must be concealed by translucent covers.
 - b) External illumination shall be by a steady, stationary light source, shielded and directed solely at the sign. The light source must be static in color.
 - 2) Internal. Internally illuminated signs, where permitted, are subject to the following regulations:
 - a) Internal illumination, including neon lighting, must be static in intensity and color.
 - b) Attraction-board signs are permitted in accordance with the regulations contained in Table 1:

**Table 1
PERMITTED TYPES OF ILLUMINATION BY USE.**

Use	Illumination Type				Brightness Limitation for Digital Displays and Message Centers	Motion Limitation	Site Limitation	
	Internal	Message Center Sign	External	Digital Display			Digital Display Signs as a Max % of Total Sign Area on Site	Message Center Signs as a Max % of Sign Area
Residential Agriculture and Rural	N	N ^{2*}	N ¹	N	N/A	N/A	N/A	N/A
Office and General Commercial	Y	Y	Y	Y	Daytime: 5,000 nits **Nighttime: 750 nits	10 Seconds	N/A	50%
Industrial/ IRD	Y	N*	Y	N	Daytime: 5,000 nits **Nighttime: 750 nits	10 Seconds	N/A	N/A
Off-premises ¹	N	N	Y	N	N/A	N/A	N/A	N/A
Temporary signs ¹	N	N	N	N	N/A	N/A	N/A	N/A
Portable signs ¹	N	N	N	N	N/A	N/A	N/A	N/A

1 Off-premises, temporary and portable signs are subject to the illumination regulations governing off-premises, temporary and portable signs, rather than the illumination standards governing the specific district where the sign is located.

2 Excludes signs located in parks or recreational facilities.

3 Excludes scoreboards located in parks or recreational facilities.

* Place of assembly sign permitted.

** United States Sign Council: 2016.

3. Attraction Boards. Subject to the following regulations, in addition to all other illumination requirements established in this section.
 - A. Sign Type. Attraction boards shall be attached to the freestanding sign.
 - B. Height. If the attraction board is separated from the main freestanding pole sign, the attraction board may not project higher than 15 feet as measured from grade level directly below the base of the sign or grade of the nearest adjacent roadway, whichever is higher. If the attraction board is separated from the main freestanding sign, it shall be serrated by a minimum of 12 inches from the main freestanding pole sign.
 - C. Area. Ten square feet per face.
 - D. Maximum Number. One sign per freestanding sign.
 - E. Message Display.
 - 1) No attraction-board sign may contain text which flashes, pulsates, moves, or scrolls. Each complete message must fit on one screen.
 - 2) The content of an attraction-board sign must transition by changing instantly (e.g., no fade-out or fade-in).
 - 3) Default Design. The sign shall contain a default design which shall freeze the sign message in one position if a malfunction should occur.
 - 4) No attraction-board sign shall contain red electronic lettering.
 - F. Daylight Hours. During daylight hours between sunrise and sunset, luminance shall be no greater than 5,000 nits.
 - G. Other Times. At all other times, luminance shall be no greater than 750 nits.
 - H. Light-Sensing Device. Each sign must have a light-sensing device that will automatically adjust the brightness of the display as the natural ambient light conditions change to comply with the limits set here within.
 - I. Public Service Announcements. The owner of every attraction-board sign shall coordinate with the local authorities to display, when appropriate, emergency information important to the traveling public, including, but not limited to, Amber alerts or alerts concerning terrorist attacks or natural disasters. Emergency information messages shall remain in the advertising rotation according to the protocols of the agency that issues the information.
 - J. The owner of any attraction board shall arrange for a certification showing compliance with the brightness standards set forth herein by an independent contractor and provide the certification documentation to Ferguson Township as a condition precedent to the issuance of a sign permit.
4. Electrical Standards.
 - A. The electrical, solar, or battery supply to all exterior signs, whether to the sign itself or to lighting fixtures positioned to illuminate the sign, shall be provided by means of concealed cables. Electrical, solar, or battery supply to freestanding signs shall be provided by means of underground cables.

§19-105. Construction Specifications.

All permanent signs permitted by this part shall be constructed in accordance with the provisions of this section. When applicable, a building permit shall be obtained for sign construction.

1. Compliance with Applicable Codes. In addition to complying with the provisions of this part, all signs shall be constructed in accordance with the provisions of the International Building Code (Chapter 5, Part 1) and Electrical Code-of the Township of Ferguson (Chapter 5, Part 2), latest adopted edition.

§19-106. Prohibited Signs.

The following signs are unlawful and prohibited:

1. Signs within the Township right-of-way, except for governmental signs/regulatory signs and official traffic signs.
2. Abandoned signs.
3. Bandit signs. Signs shall only be attached to utility poles in conformance with state and utility regulations and the requirements of this chapter.
4. Signs placed on or painted on a vehicle parked with the primary purpose of providing signage not otherwise allowed in this part.
5. Mechanical movement signs, including revolving signs.
6. Pennant strings and streamers, balloons and other gas-filled figures, except as a temporary sign.
7. Any signs that imitate, resemble, interfere with, or obstruct official traffic lights, signs, or signals.
8. A-frame, or sandwich board, and sidewalk, or curb signs, except as a temporary sign.
9. Signs which emit smoke, visible vapors, particulate matter, sound, odor, or contain open flames.
10. Interactive signs.
11. Signs incorporating beacon or festoon lighting.
12. Roof signs.
13. Signs erected without the permission of the property owner, with the exception of those authorized or required by local, state, or federal government.
14. Signs which are attached or otherwise affixed to trees or other living vegetation, except for security and warning signs.
15. Signs which are attached or otherwise affixed to a building and project more than 16 inches beyond the wall surface of such building to which the sign is attached or otherwise affixed.
16. Portable and Wheeled Signs, except as a temporary sign.

§19-107. Exempt Signs.

The following signs shall be allowed without a sign permit and shall not be included in the determination of the type, number, or area of permanent signs allowed within a zoning district, provided such signs comply with the regulations in this section, and shall not be permitted in the right-of-way, except where noted in the section below.

1. For each roadway frontage on a parcel of land that is actively marketed for sale, lease, or rent.
 - A. Residential Uses.
 - i. Unlighted sign that does not exceed three (3) feet in height and four (4) square feet per face.

- ii. Signs shall be located on the property that is actively marketed and shall be removed within ten (10) days upon completion of the sale, letting or hiring, lease or rental of the subject property.
 - B. Commercial Uses.
 - i. Unlighted sign that does not exceed thirty two (32) square feet per face.
 - ii. Signs shall be located on the lot and shall be removed within ten (10) days upon completion of the sale, letting or hiring, lease or rental of the subject property.
- 2. Up to two signs stating address, number, and/or name of occupants of the premises and do not include any commercial advertising or other identification.
 - A. Residential Uses. Signs not to exceed three square feet per face.
 - B. Commercial Uses. Signs not to exceed five square feet per face.
- 3. Non-illuminated "No Trespassing" or other signs serving as notice from an owner or tenant to persons not on the premises that entry to the premises is prohibited or restricted in accordance with Title 75, Pa.C.S.A., the Pennsylvania Vehicle Code and its regulations, as set forth in Title 18, Pa.C.S.A., the Pennsylvania Crimes Code and its regulations.
 - A. Residential Uses. Signs not to exceed two square feet per face.
 - B. Commercial Uses. Maximum of one large sign per property, not to exceed five square feet per face. All other posted security and warning signs may not exceed two square feet per face.
- 4. Flags.
 - A. Location. Flags and flagpoles shall not be located within any right-of-way.
 - B. Height. Flags shall have a maximum height of 30 feet.
 - C. Number. No more than two flags per lot on residential lots, no more than three flags per lot on all other lots.
 - D. Size. Maximum flag size is 24 square feet per face in residential districts, 35 square feet per face in all other districts.
 - E. Flags Containing Commercial Messages. Flags containing commercial messages may be used as permitted freestanding or projecting signs, within districts that have commercial uses.
 - F. Noncommercial Messages. Flags up to three square feet per face containing noncommercial messages.
 - G. Noncommercial Signs. Flags, emblems, and insignia of political, professional, religious, educational, or fraternal organizations, providing that such flags, emblems, and insignia are displayed for noncommercial purposes.
- 5. Any sign required to be erected by Township, state or federal law.
- 6. Any sign consisting of a solid plate of bronze or similar corrosion-resistant metal and does not exceed four square feet per face.
 - A. Attached. A sign that is permanently attached to a building.
 - B. Freestanding. Installed in the ground below a tree, not to exceed two feet in height and the placement is not endangering the safety of person or property.
- 7. Any sign carved into masonry that is integral to a structure.

8. Signs advertising the variety of crop growing in a field. Such signs shall be removed after the harvest season.
9. Incidental signs, including incidental window signs.
10. Parking lot directional and instructional signs.
 - A. Directional signs designating parking area entrances and exits limited to one sign for each entrance and/or exit and not exceeding four square feet per face for each exposed face. Parking lot directional signs shall not project higher than five feet in height, as measured from the established grade of the parking area to which such signs are accessory. These signs are limited to the name and logo of the business being directed to.
 - B. Instructional signs designating the conditions of use or identity of parking areas and not exceeding eight square feet per face for each exposed face nor exceeding an aggregate gross surface area of 16 square feet. Parking lot instruction signs shall not project higher than 10 feet for wall signs and seven feet for freestanding signs, as measured from the established grade of the parking area(s) to which such signs are accessory.
11. A mural or work of visual art that conforms with the following standards shall be exempt from regulation.
 - A. Mural of work of art that meets all of the following criteria:
 - i. Does not exceed 300 square feet,
 - ii. Contains less than three percent (3%) text,
 - iii. Be located on a commercial building at least fifty feet from an arterial street, and
 - iv. Remain intact for a minimum of two years.
12. Temporary signs in accordance with §19-108.
13. Farms may have a total of three signs: farm name, century farm sign, and preserved farm sign. The signs may not exceed 20 square feet per face or 40 square feet total. The farm may have duplicate signs posted once along the frontage of every street abutting the property.
14. Signs placed on or affixed to the side of vehicles and/or trailers where the sign is incidental to the primary use of the vehicle or trailer. However, this is not in any way intended to permit signs placed on or affixed to vehicles and/or trailers which are parked on a public right-of-way where the apparent purpose is to advertise a product or direct people to a business or activity located on the same or nearby property, with the exception of self-propelled, licensed vehicles with no more than two axles where the vehicles are parked in the parking lot for the use which the vehicles serves. A sign affixed to the side of a vehicle may not exceed the limits of the side of the vehicle that it is affixed to. Signs affixed to or wrapped around public transportation vehicles are included.
15. Awning, canopy and marquee signs. Signs not exceeding an aggregate gross surface area of four square feet.
16. Signs erected for the limited time period of two weeks during a year in the AR Zoning District and on the grounds commonly used for the Agricultural Progress Days.
17. Signs erected on the internal and external perimeter of an organizational sponsored athletic field. Signs shall be one-sided.

The following exempt signs are permitted within the Township right-of-way:

18. Official traffic signs.
19. Government/regulatory, Public signs. Signs erected or required by government agencies or utilities, including traffic, utility, safety, railroad crossings, and identification or directional signs for public facilities.
20. Private drive signs. One sign per driveway entrance, not to exceed two square feet per face.
21. Tourist-orientated directional signs within Township right-of-way. TOD signs are not to exceed three signs per attraction/destination. A TOD sign may include text, symbol, and directional arrow; the total sign area of all three signs combined shall not exceed six square feet per face.
22. Tourist-orientated directional signs within state right-of-way. A 24-inch-by-72-inch or 16-inch-by-48-inch directional sign following PennDOT's TODs signage policy.
23. A sign advertising the sale of miscellaneous household goods, often held in the garage or yard of a residential dwelling. The sign may not be posted for more than 10 consecutive days.

§19-108. Temporary Sign Standards.

1. Temporary signs may be erected based upon the Temporary Signs Allowed by Use Type table. The types of temporary signs allowed for each use are identified in **Table 2: Temporary Signs Allowed by Use Type**. For each type of sign, the right-most column in Table 2 references the specific standards that apply to that type of sign.

Table 2
TEMPORARY SIGNS ALLOWED BY USE TYPE.

TYPE OF SIGN PERMITTED	NUMBER OF SIGNS PER BUSINESS	STANDARDS
ATTACHED COMMERCIAL USE SIGNS		
Banner	One (1)	§ 19-108.3.A.
Banner Sign across a State Highway		§ 19-108.3.B.
Wall	One (1)*	§ 19-108.3.C.
Window	20% of façade area comprised of windows	§ 19-108.3.D.
* If a property is greater than two acres in size and has at least 400 feet of street frontage or has more than 10,000 square feet of floor area, one additional wall sign may be permitted so long as there is a minimum spacing of 200 feet between the two wall signs.		
FREESTANDING COMMERCIAL USE SIGNS		
Inflatable and Balloon	N/A	§ 19-108.4.A.
Freestanding	One (1)**	§ 19-108.4.B.
Portable	Two (2)	§ 19-108.4.C.
** If a property is greater than two acres in size and has at least 400 feet of street frontage or has more than 10,000 square feet of floor area, one additional wall sign may be permitted so long as there is a minimum spacing of 200 feet between the two wall signs.		
TYPE OF SIGN PERMITTED	NUMBER OF SIGNS PER LOT	STANDARDS
ATTACHED RESIDENTIAL USE SIGNS		
Wall	One (1)***	§ 19-108.5.A.
*** One large temporary sign is permitted per residential use so long as the property is greater than two acres in size and has at least 400 feet of street frontage or has more than 10,000 square feet of floor area.		
FREESTANDING RESIDENTIAL USE SIGNS		
Portable	Three (3)	§ 19-108.6.A.

- A. Temporary signs are non-illuminated and constructed from materials that do not degrade over the life of the sign.
- B. Temporary signs must be safely and securely fastened, mounted, and/or affixed to the ground to prevent damage to the sign, surrounding structures, and people, especially considering potentially adverse weather conditions.
- C. The placement of temporary signs must not interfere with pedestrian traffic, curb ramps, or access to buildings, driveways, fire escapes, or otherwise restrict access to, any parking spaces necessary to fulfill the requirements of §22-501C. Off-Street Parking and Loading Regulations.
- D. Temporary Construction Signs. All temporary construction signs are permitted at issuance of a Zoning Permit. All temporary construction signs will be removed from the construction site, no more than 30 days after an Occupancy Permit has been issued.

2. Removal

- A. Ferguson Township and/or the property owner may confiscate signs installed in violation of this chapter. Neither Ferguson Township nor the property owner are responsible for notifying sign owners of confiscation of an illegal sign.
 - B. Permission. The party posting the temporary sign is solely responsible for obtaining the permission of the property owner before posting their temporary sign.
 - C. Installation and Maintenance.
 - i. Temporary signs that are frayed, torn, broken, or that are no long legible will be deemed unmaintained and will be required to be removed by a Township official.
3. Standards for Temporary Attached Signs for Commercial Uses
- A. Banner Sign
 - i. One large temporary banner sign is permitted per business for all commercial uses. If a property is greater than two acres in size and has at least 400 feet of street frontage or has more than 10,000 square feet of floor area, one additional banner sign may be permitted so long as there is a minimum spacing of 200 feet between the two banner signs.
 - ii. The temporary banner sign shall have a maximum area of 32 square feet per face.
 - iii. The temporary banner sign shall hang at a height no greater than 20 feet.
 - iv. A temporary banner sign shall be displayed no more than four times a year per business, for a period of time not to exceed 30 days.
 - B. Banner Sign across a State Highway
 - i. No banner sign shall be attached to any utility pole.
 - ii. No banner sign shall be erected in such a manner as to create an unsafe condition for motor vehicles, bicycles or pedestrian traffic.
 - iii. A banner across a State Highway is authorized by Title 67, Chapter 212, Section 212.7 only after obtaining written consent from the Pennsylvania Department of Transportation. The Traffic Engineering Manual (Pub 46) provides banner requirements, process and guidance for the Pennsylvania Department of Transportation when considering requests to install banners across State Highways.
 - C. Wall Sign
 - i. One large temporary wall sign is permitted per business for all commercial uses. If a property is greater than two acres in size and has at least 400 feet of street frontage or has more than 10,000 square feet of floor area, one additional wall sign may be permitted so long as there is a minimum spacing of 200 feet between the two wall signs.
 - ii. The temporary wall sign shall have a maximum area of 16 square feet per face.
 - iii. A temporary wall sign shall be displayed no more than once a year per business, for a period of time not to exceed 30 days.
 - D. Window Sign
 - i. Each story of a building may have one window sign, not exceeding 20 percent of the total window area for the story the sign is being installed on.

- ii. A window sign shall not be illuminated by any source other than a source external to the sign.
- 4. Standards for Temporary Freestanding Signs for Commercial Uses
 - A. Inflatable and Balloon Signs.
 - i. Not project above the roof line or top of the building structure;
 - ii. Not to be designed to generate animation or movement;
 - iii. The placement must not interfere with pedestrian traffic, curb ramps, or access to buildings, driveways, or fire escapes; and
 - iv. Be displayed no more than four times a year per lot, for a period of time not to exceed seven days.
 - B. Freestanding Sign
 - i. One large temporary freestanding sign is permitted per business for all commercial uses. If a property is greater than two acres in size and has at least 400 feet of street frontage or has more than 10,000 square feet of floor area, one additional freestanding sign may be permitted so long as there is a minimum spacing of 200 feet between the two freestanding signs.
 - ii. The temporary freestanding sign shall have a maximum area of 16 square feet per face.
 - iii. Large temporary signs that are freestanding shall have a maximum height of eight feet.
 - C. Portable Sign
 - i. Two signs are permitted per establishment/business.
 - ii. Sign area shall not exceed 9 square feet per face.
 - iii. The placement of the sign must not interfere with pedestrian traffic, curb ramps, or access to buildings, driveways, or fire escapes.
 - iv. The sign shall not be affixed, chained, anchored, or otherwise secured to any pole, tree, tree grate, fire hydrant, railing, or other structure.
 - v. The sign shall be permitted to be displayed during business hours and removed at close of business daily.
- 5. Standards for Temporary Attached Signs for Residential Uses
 - A. Wall Sign
 - i. One large temporary wall sign is permitted per residential use so long as the property is greater than two acres in size and has at least 400 feet of street frontage or has more than 10,000 square feet of floor area.
 - ii. The temporary wall sign shall have a maximum area of 32 square feet per face.
- 6. Standards for Temporary Freestanding Signs for Residential Uses
 - A. Portable Sign
 - i. Up to three portable signs having a sign area not exceeding 3 square feet per face are permitted per residential lot.
 - ii. A portable sign shall not exceed six feet in height.

§19-109. Permanent Sign Types By Use Table.

Table 3
PERMANENT SIGN TYPES BY USE.

TYPE OF SIGN PERMITTED	ATTACHED (A) / FREESTANDING (F)	STANDARDS
RESIDENTIAL USE SIGNS		
RESIDENTIAL		
Building Name & Address	A/F	§19-110.1.
Residential Development	F	§19-110.2.
Home Occupation	F	§19-110.3.
COMMERCIAL USE SIGNS		
COMMERCIAL		
Wall	A	§ 19-111.1.A.
Freestanding	F	§ 19-111.1.B.
Projecting	A	§ 19-111.1.C.
Awning, Canopy & Marquee	A	§ 19-111.1.D.
Attraction Board	A to F	§ 19-111.1.E.
Billboards & Off-Premises	F	§ 19-111.1.F.
Window	A	§ 19-111.1.G.
SHOPPING CENTER SIGNS		
Wall	A	§ 19-111.2.A.
Freestanding	F	§ 19-111.2.B.
Awning, Canopy & Marquee	A	§ 19-111.2.C.
Attraction Board	F	§ 19-111.2.D.
AUTOMOBILE SERVICE STATION SIGNS		
Wall	A	§ 19-111.3.A.
Freestanding	F	§ 19-111.3.B.
Awning, Canopy & Marquee	A	§ 19-111.3.C.
Service Bay Identification	A	§ 19-111.3.D.
Service Island Identification	A/F	§ 19-111.3.E.
Convenience Store	A	§ 19-111.1./ § 19-111.3.E.
Gas Island Canopy	A	§ 19-111.3.G.
OFF-PREMISES DIRECTIONAL/DIRECTORY SIGNS	A/F	§ 19-111.4.
ADULT BUSINESS SIGNS		
Wall	A	§ 19-111.7.A.
AUTOMOBILE DEALERSHIP SIGNS		
Wall	A	§ 19-111.8.A.
Freestanding	F	§ 19-111.8.B.
Awning, Canopy & Marquee	A	§ 19-111.8.C.
Service Bay Identification	A	§ 19-111.8.D.

OFFICE, INDUSTRIAL AND INSTITUTIONAL USE SIGNS		
OFFICE, INDUSTRIAL AND INSTITUTIONAL SIGNS		
Wall	A	§ 19-112.1.A.
Freestanding	F	§ 19-112.1.B.
Projecting	A	§ 19-112.1.C.
Awning, Canopy, & Marquee	A	§ 19-112.1.D.
Landscaped Ground	F	§ 19-112.1.E.
OFFICE & INDUSTRIAL PARK SIGNS	F	§ 19-112.2.
DIRECTORY SIGNS	A/F	§ 19-112.3.
OFF-PREMISES DIRECTIONAL/DIRECTORY SIGNS	A/F	§ 19-112.4.
INSTITUTIONAL ATTRACTION BOARDS	A/F	§ 19-112.5.
<i>For Commercial Uses: Please see §19-107.10. Parking lot directional and instructional signs.</i>		

§19-110. Residential Uses.

For all residential uses, only the following signs are hereby permitted and then only accessory and incidental to a permitted or special use: (It shall be noted that all residential address labeling should be referred to Chapter 11, Housing, of the Ferguson Township Code.)

1. Building Name and Address Signs. Name and address signs of buildings containing six or more residential units indicating only the name of the building, the name of the development in which it is located, the management thereof and/or address of the premises shall be subject to the following:
 - A. Type. Building name and address signs may be either wall signs or freestanding signs.
 - B. Number. There shall not be more than one name and address sign for each building, except that, where a building abuts two or more streets, additional such signs, one oriented to each abutting street, shall be permitted.
 - C. Area. Building name and address signs shall not exceed four square feet per face, nor exceed an aggregate gross surface of eight feet.
 - D. Location. Building name and address signs shall not be located closer than 1/2 the minimum setback required for the zoning district in which the sign is to be erected or within 15 feet of any point of vehicular access from zoning lot to a public roadway, whichever is greater. The location and arrangement of all building name and address signs shall be subject to the review and approval of the Sign Officer.
 - E. Height. Building name and address signs shall not project higher than 15 feet for wall signs and seven feet for freestanding signs as measured from base of sign or building to which the sign is to be affixed or grade of the nearest adjacent roadway, whichever is higher.
2. Residential Development Signs. Residential development signs indicating only the name of the development and/or the address or location of the development shall be subject to the following:
 - A. Type. The residential development signs shall be freestanding signs.

- B. Number. There shall not be more than two residential development signs for each point of vehicular access to a development.
 - C. Area. Residential development signs shall not exceed 20 square feet per face. The total aggregate surface area shall not exceed 40 square feet for each point of vehicular access to a development.
 - D. Location. Residential development signs may be located in any required yard, but shall not extend over any lot line or within 15 feet of any point of vehicular access from a zoning lot to a public roadway. The location and arrangement of all residential development signs shall be subject to the review and approval of the Sign Officer.
 - E. Height. Residential development signs shall not project higher than seven feet as measured from the base of the sign or grade of the nearest adjacent roadway, whichever is higher.
3. Home Occupation Sign. Signs which indicate the name and address of a home occupation shall be subject to the following:
- A. Type. The home occupation sign shall be a freestanding sign.
 - B. Number. There shall not be more than one home occupation sign per house.
 - C. Area. The home occupation sign shall not exceed 5 square feet per face or 10 square feet gross aggregate sign area.
 - D. Location. The home occupation sign may be located on the lot but shall not extend over any lot line or within 15 feet of any point of vehicular access from a zoning lot to a public roadway. The location of all home occupation signs shall be subject to the review and approval of the Sign Officer.
 - E. Height. Home occupation signs shall not project higher than five feet as measured from grade level directly below the face of the sign or grade of the nearest adjacent roadway, whichever is higher.
 - F. Exempt Signs. Exempt signs as specified in § 19-107.
 - G. Temporary Signs. Temporary signs as specified in § 19-108.

§ 19-111. Commercial Uses.

For all commercial uses, only the following signs are hereby permitted and then only if accessory and incidental to a permitted or special use:

- 1. Commercial Use Signs. Commercial use signs, other than those subject to special conditions in later subsections of this section, shall be subject to the following:
 - A. Wall Signs.
 - 1. Number. There shall not be more than one wall sign for each principal building, except that, where the building abuts two or more streets, additional such signs, one oriented to each abutting street, shall be permitted.
 - 2. Area. The gross surface area of a wall sign shall not exceed 10% of the area of the building wall, including doors and windows, to which the sign is to be affixed or 64 square feet per face, whichever is smaller. The gross surface area of a wall

sign may be increased by 20%, except that the gross surface of the sign shall not exceed 64 square feet per face if such wall sign:

- a) Consists only of individual, outlined alphabetic, numeric and/or characters without background, except that provided by the building surface to which the sign is to be affixed.
 - b) If illuminated, such illumination is achieved through shielded spot lighting, but not any lighting where the light source is visible or exposed on the face or sides of the characters.
3. Location. A wall sign may be located on the outermost wall on any principal building, but shall not project more than 16 inches from the wall to which the sign is to be affixed. The location and arrangement of all wall signs shall be subject to the review and approval of the Sign Officer.
 4. Height. A wall sign shall have a maximum height no greater than twenty-five (25) feet or the eaveline.
 5. Special Conditions. Where a principal building is devoted to two or more permitted uses, the following chart shall determine the size of the sign permitted per business:

Number of Businesses in Buildings	Maximum Square Feet Per Face Permitted per Business
1	64
2	32
3	24
4 or more	20

In this case, where there are two or more permitted uses within a building, it shall be the responsibility of the building owner to apply for and sign for the sign permit.

B. Freestanding Signs.

1. Number. There shall not be more than one freestanding sign for each lot, with the exception of a commercial property where the entrances are along an arterial street and two or more principal buildings exist on the lot. For a lot with two or more buildings on the lot, no more than two freestanding signs shall be permitted.
2. Corridor Overlay. If a parcel is located within the corridor overlay, two freestanding signs are permitted if the parcel has two or more principal buildings and where entrances are along an arterial street.
3. Area. The gross surface area of a freestanding sign shall not exceed 32 square feet per face, nor exceed an aggregate gross surface area of 64 square feet.
4. Location. A freestanding sign may be located in any required yard, but shall not extend over any lot line or within 15 feet of any point of vehicular access from a zoning lot to a public roadway.

5. Height. A freestanding sign shall not project higher than 25 feet, as measured from grade level directly below the face of the sign or grade of the nearest adjacent roadway, whichever is lower, except in the Corridor Overlay District when the height shall be controlled by the Corridor Overlay Ordinance.

C. Projecting Signs.

1. Number. There shall not be more than one projecting sign per business.
2. Projecting signs may project over public rights-of-way only where front yards of less than five feet in depth are provided, subject to the following regulations:
 - a) Such signs shall not extend more than half of the distance between the building and the curblineline or nearest edge of the street surface, whichever is least;
 - b) No portion of any such sign shall be less than eight feet above the grade directly below the sign;
 - c) May not exceed six square feet per face; and
 - d) May not be illuminated.

D. Awning, Canopy and Marquee Signs.

1. Number. There shall not be more than one awning, canopy or marquee sign exceeding an aggregate gross surface area of four square feet for each principal building. Awning, canopy and marquee signs which are four square feet or less in aggregate gross surface area are exempt from the provisions of this part, as specified in § 19-107.
2. Area. The gross surface area of an awning, canopy or marquee sign shall not exceed 24 square feet or not more than 50% of the gross surface area of the smallest face of the awning, canopy or marquee to which such sign is affixed.
3. Height. Any awning, canopy or marquee sign shall not project higher than the top of the awning, canopy or marquee to which such sign is to be affixed.

E. Attraction Boards.

1. Type. Attraction boards shall be attached to the main freestanding sign.
2. Number. Each lot with a retail/wholesale commercial use (except automobile dealerships and automobile service stations) may erect a single attraction board identifying special, unique, limited activities, services, products or sale of limited duration occurring on the retail/wholesale commercial lot or where the attraction board is to be located.
3. Area. The gross surface area of a retail/wholesale commercial lot attraction board shall not exceed 10 square feet per face, nor exceed 20 square feet in aggregate gross surface area.
4. Location. A retail/wholesale commercial premises attraction board may be located in any required yard, but shall not extend over any lot line or within 15 feet of any point of vehicular access from any zoning lot to a public roadway.
5. Height. If the attraction board is separated from the main freestanding pole sign, the attraction board may not project higher than 15 feet as measured from grade level directly below the base of the sign or grade of the nearest adjacent

roadway, whichever is higher. If the attraction board is separated from the main freestanding sign, it shall be separated by a minimum of 12 inches from the main freestanding pole sign.

F. Billboards and Off-Premises Signs.

1. Number. One billboard or off-premises sign may be erected, constructed or maintained on any premises in a General Commercial Zoning District, provided the proposed billboard or off-premises sign shall meet the following criteria and be required to adhere to the following regulations. Any special exception granted shall meet the following criteria and be required to adhere to the following regulations.
2. Area. An off-premises sign or billboard shall not exceed 300 square feet per face, and each such sign shall have only one exposed face.
3. Spacing. An off-premises sign or billboard shall not be closer than 1,000 feet to another off-premises sign or billboard along the same side of any street or highway.
4. Spacing at Intersections. An off-premises sign or billboard shall not be located within 150 feet of any street intersection.
5. Location. An off-premises sign or billboard shall only be permitted in the General Commercial Zoning District only on lots which do not have a freestanding sign. The sign shall be located in accordance with the yard setbacks for structures in the General Commercial Zoning District. If a billboard is erected, no freestanding sign will be permitted.
6. Height. An off-premises sign or billboard shall not project higher than 22 feet, as measured from grade level directly below the face of the sign or grade of the nearest adjacent roadway, whichever is lower.
7. Engineering Certification. Any applications for an off-premises sign or billboard shall be accompanied by certification under seal by a professional engineer that the existence of the off-premises sign or billboard, as proposed, shall not present a safety hazard

G. Window Sign

1. On any story of a building, the total sign area of window signs shall not exceed 20 percent of the façade area comprised of windows.
2. A window sign shall not be illuminated by any source other than a source external to the sign.

2. Shopping Center Signs.

A. Wall Signs.

1. Number. There shall not be more than one wall sign for each principal tenant or use contained in a shopping center, except that, where a tenant or use abuts two or more streets, additional such signs, one oriented to each abutting street, shall be permitted.

2. Area. The gross surface area of a wall sign shall not exceed 10% of the tenant's or user's proportionate share of the building wall to which the sign is to be affixed or 50 square feet, whichever is smaller.
3. Location. A wall sign may be located on the outermost wall of any principal building, but shall not project more than 16 inches from the wall to which the sign is to be affixed.
4. Height. A wall sign shall have a maximum height no greater than twenty-five (25) feet or the eaveline.

B. Freestanding Signs.

1. Number. There shall not be more than one freestanding sign for each shopping center.
2. Area. The gross surface area of a freestanding sign shall not exceed a maximum of one square foot of gross aggregate surface area for each 1 1/2 linear feet of front footage of the lot, not to exceed 100 square feet per face, nor exceed 200 square feet of gross aggregate surface area.
3. Location. A freestanding sign may be located in any required yard, but shall not extend over any lot line or within 15 feet of any point of vehicular access from a zoning lot to a public roadway.
4. Height. A freestanding sign shall not project higher than 25 feet as measured from grade level directly below the base of the sign or grade of the nearest adjacent roadway, whichever is lower. If the lot is located in the Corridor Overlay District, the height shall be controlled by the Corridor Overlay Ordinance and the regulations of the underlying zone.
5. Directory Signs. Each shopping center freestanding sign may include affixed directly to it a directory indicating only the names of the tenants of the shopping center in which the sign is to be located. The gross surface area of a directory shall not exceed 10 square feet per face, nor exceed an aggregate gross surface area of 20 square feet for each tenant located in the shopping center in which the sign is to be located.

C. Awning, Canopy and Marquee Signs.

1. Number. There shall not be more than one awning, canopy or marquee sign exceeding an aggregate gross surface area of 24 square feet for each principal building. Awning, canopy and marquee signs which are four square feet or less in aggregate gross surface area are exempt from the provisions of this part as specified in § 19-107.
2. Area. The gross surface area of an awning, canopy or marquee sign shall not exceed 24 square feet, but be limited to not more than 50% of the gross surface area of the smallest face of the awning, canopy or marquee to which such sign is to be affixed.
3. Height. An awning, canopy or marquee sign shall not project higher than the top of the awning, canopy or marquee to which such sign is to be affixed.

D. Attraction Board.

1. Type. Shopping center attraction boards shall be freestanding signs.
 2. Number. Each shopping center may erect a single attraction board identifying special, unique, limited activities, services, products or sale of a limited duration occurring within the shopping center in which the attraction board is to be located.
 3. Area. The gross surface area of a shopping center attraction board shall not exceed 50 square feet per face, nor exceed an aggregate gross surface area of 100 square feet.
 4. Location. A shopping center attraction board may be located in any required yard, but shall not extend over any lot line or within 15 feet of any point of vehicular access from any zoning lot to a public roadway.
 5. Height. If the sign is separate from the main freestanding pole sign, a shopping center attraction board shall not project higher than 15 feet as measured from grade level directly below the face of the sign or grade of the nearest adjacent roadway, whichever is higher. If the attraction board is part of and mounted on the main freestanding pole sign, the attraction sign shall be separated by a minimum of 12 inches from the main shopping center sign. If the lot is located in the Corridor Overlay District, the height shall be controlled by the Corridor Overlay Ordinance and the regulations of the underlying zoning district.
3. Automobile Service Station Signs. Automobile service station signs shall be subject to the following:
- A. Wall Signs.
 1. Number. There shall not be more than one wall sign for each principal building, except that, where the building abuts two or more streets, additional such signs, one oriented to each abutting street, shall be permitted.
 2. Area. The gross surface area of a wall sign shall not exceed 10% of the area of the building wall to which it is to be affixed or 64 square feet per face, whichever is smaller. The gross surface area of a wall sign may be increased by 20%, except that the gross surface area of the sign shall not exceed 64 square feet per face, if such wall sign:
 - a) Consists only of individual, outlined alphabetic, numeric and/or symbolic characters without background except that provided by the building surface to which the sign is to be affixed.
 - b) If illuminated, such illumination is achieved through shielded illumination, shielded silhouette lighting or shielded spot lighting, but not any lighting where the light source is visible or exposed on the face or sides of the characters.
 - c) Location. A wall sign may be located on the outermost wall of any principal building, but shall not project more than 16 inches from the wall to which the sign is to be affixed.
 - d) Height. A wall sign shall have a maximum height no greater than twenty-five (25) feet or the eaveline.

B. Freestanding Signs.

1. Number. There shall not be more than one freestanding sign for each lot.
2. Area. The gross surface area of a freestanding sign shall not exceed 32 square feet per face, nor exceed an aggregate gross surface area of 64 square feet.
3. Location. A freestanding sign may be located in any required yard but shall not extend over any lot line or within 15 feet of any point of vehicular access from a zoning lot to a public roadway.
4. Height. A freestanding sign shall not project higher than 25 feet, as measured from grade level directly below the face of the sign or grade of the nearest adjacent roadway, whichever is lower, except in the Corridor Overlay District when the height shall be controlled by the Corridor Overlay District and the regulations of the underlying zone.

C. Awning, Canopy and Marquee Signs.

1. Number. There shall not be more than one awning, canopy or marquee sign exceeding an aggregate gross surface area of four square feet for each principal building. Awning, canopy and marquee signs which are four square feet or less in aggregate gross surface area are exempt from the provisions of this part, as specified in § 19-107.
2. Area. The gross surface area of an awning, canopy or marquee sign shall not exceed 24 square feet, but be limited to not more than 50% of the gross surface area of the smallest face of the awning, canopy or marquee to which such sign is to be affixed.
3. Height. An awning, canopy or marquee sign shall not project higher than the top of the awning, canopy or marquee to which such sign is to be affixed or 20 feet as measured from the base of the building wall to which the awning, canopy or marquee is to be affixed, whichever is lower.

D. Service Bay Identification Signs. Service bay identification signs providing direction or instruction to:

1. Type. All service bay identification signs shall be wall signs.
2. Number. There shall not be more than one service bay identification sign for each service bay located on the premises.
3. Area. The area of a service bay identification sign shall not exceed 10 square feet per face.
4. Location. A service bay identification sign may be located on the outermost wall of any principal building adjacent to a service bay entrance, but shall not project more than 16 inches from the wall to which the sign is to be affixed.
5. Height. A service bay identification sign shall have a maximum height no greater than twenty-five (25) feet or the eaveline.

E. Service Island Identification Signs. Service island identification signs indicating the type of service offered, the price of gasoline and other relevant information or direction to persons using the facility, but containing no advertising material of any kind, shall be subject to the following:

1. Type. Service island identification signs may be either wall signs or freestanding signs.
 2. Number. There shall not be more than one service island or identification sign for each service or pump island on the premises.
 3. Location. Service island identification signs may be located on the outermost wall of any principal building, on the pumps or within the area of a service island.
 4. Area. The gross surface of a service island identification sign shall not exceed six (6) square feet per face, nor exceed an aggregate gross surface of 12 square feet.
 5. Height. A service island identification sign shall not project higher than 15 feet, as measured from grade level directly below the face of the sign or building to which the sign is to be affixed or grade of the nearest adjacent roadway, whichever is lower.
- F. Convenience Store Signs. Convenience store signs shall be subject to the following:
1. A convenience store will be regulated by § 19-111.1 except that each convenience store with one or more service islands shall be regulated by the provisions of § 19-111.3.E and such election shall be included as part of this sign permit for that store.
- G. Gas Island Canopy Sign:
1. Sign copy, corporate logos, graphics, etc., may be a maximum of 15% of one face of the canopy;
 2. Individual letters, logos or symbols may not exceed four feet in height and may not project out from the surface of canopy more than 18 inches, or project above or below the canopy. Digital gas prices are permitted.
4. Off-Premises Directional/Directory Signs. Off-premises directional/directory signs shall be subject to the following:
- A. Type. Off-premises directional/directory signs may be either wall or freestanding signs.
 - B. Number. There shall not be more than one sign per permitted area. When two or more businesses require an off-premises directional/directory sign, all information shall be combined into one sign.
 - C. Area. The gross surface area of an off-premises directional/directory sign shall not exceed five square feet per face nor exceed an aggregate gross surface area of 10 square feet.
 - D. Location. An off-premises directional/directory sign shall be located at the roadway leading to the occupant's premises but shall not extend over any lot line or within 15 feet of any point of vehicular access from any zoning lot to a public roadway.
 - E. Height. If the off-premises directional/directory sign is a freestanding sign, then it shall not project higher than 10 feet as measured from grade level directly below the face of the sign or building to which the sign is to be affixed or the grade of the nearest adjacent roadway, whichever is higher. If the off-premises directional/directory sign is a wall sign, then it shall not project higher than the parapet line of the wall to which the sign is to be affixed, whichever is lower.
 - F. Special Conditions. Off-premises directional/directory signs are to be utilized only by businesses whose properties do not abut a public street.

5. Exempt Signs. Exempt signs as specified in § 19-107.
6. Temporary Signs. Temporary signs as specified in § 19-108.
7. Adult Business Signs.
 - A. Wall Signs.
 1. Number. There shall not be more than one wall sign for an adult business use.
 2. Area. The area of a wall sign shall not exceed 20 square feet per face.
 3. Location. A wall sign may be located on the outermost wall of any principal building, but shall not project more than 16 inches from the wall to which the sign is to be affixed.
 4. Height. A wall sign shall have a maximum height no greater than twenty-five (25) feet or the eaveline.
 - B. Adult businesses are not permitted to have freestanding, canopy, marquee, awning or directional signs.
8. Automobile Dealership Signs. Automobile dealership signs shall be subject to the following:
 - A. Wall Signs.
 1. Number. There shall be no more than one wall sign for each principal building, except that, where the building abuts two or more streets, additional such signs, one oriented to each abutting street, shall be permitted.
 2. Area. The gross surface area of a wall sign shall not exceed 10% of the area of the building wall, including doors and windows, to which the sign is to be affixed or 64 square feet per face, whichever is smaller.
 3. Location. A wall sign may be located on the outermost wall of any principal building, but shall not project more than 16 inches from the wall to which the sign is to be affixed. The location and arrangement of all wall signs shall be subject to the review and approval of the Sign Officer.
 4. Height. A wall sign shall have a maximum height no greater than twenty-five (25) feet or the eaveline, except in the Corridor Overlay District when the height shall be controlled by the Corridor Overlay Ordinance and the regulations of the underlying zoning district.
 - B. Freestanding Signs.
 1. Number.
 - a) Primary Freestanding Signs. There shall not be more than one principal freestanding sign for each automobile dealership.
 - b) Secondary Freestanding Signs. Secondary freestanding signs shall be permitted only if used for preowned automobiles and/or if two or more automotive product lines (automobiles makes) are offered for sale on the premises. No more than two secondary freestanding signs shall be permitted.
 2. Area.
 - a) Primary Freestanding Signs. The gross surface area of primary freestanding signs shall not exceed 32 square feet per face, nor exceed an aggregate gross surface area of 64 square feet.

- b) Secondary Freestanding Signs. The gross surface area of a secondary freestanding sign shall not exceed 24 square feet per face, nor exceed an aggregate gross surface area of 48 square feet.
 - 3. Location. Primary and secondary freestanding signs may be located in any required yard, but shall not extend over any lot line or within 15 feet of any point of vehicular access from a zoning lot to a public roadway.
 - 4. Height.
 - a) Primary Freestanding Signs. A primary freestanding sign shall not project higher than 25 feet as measured from grade level directly below the face of the sign or grade of the nearest adjacent roadway, whichever is lower, except in the Corridor Overlay District when the height shall be controlled by the Corridor Overlay District and the regulations of the underlying zoning district.
 - b) Secondary Freestanding Signs. A secondary freestanding sign shall not project higher than 15 feet as measured from grade level directly below the face of the sign or grade of the nearest adjacent roadway, whichever is lower, except in the Corridor Overlay District when the height shall be controlled by the Corridor Overlay District and the regulations of the underlying zoning district.
- C. Awning, Canopy and Marquee Signs.
- 1. Number. There shall not be more than one awning, canopy or marquee sign exceeding an aggregate gross surface area of four feet for each principal building. Awning, canopy or marquee signs which are four square feet or less in aggregate gross surface area are exempt from the provisions of this part.
 - 2. Area. The gross surface area of an awning, canopy or marquee sign shall not exceed 24 square feet, but be limited to not more than 50% of the gross surface area of the smallest face of the awning, canopy or marquee to which such sign is to be affixed.
 - 3. Height. An awning, canopy or marquee sign shall not project higher than the top of the awning, canopy or marquee to which such sign is to be affixed.
- D. Service Bay Identification Signs. Service bay identification signs providing direction or instruction to persons using the facility and containing no advertising material of any kind shall be subject to the following:
- 1. Type. All service bay identification signs shall be wall signs.
 - 2. Number. There shall not be more than one service bay identification sign for each service bay located on the premises.
 - 3. Area. The area of a service bay identification sign shall not exceed 10 square feet per face.
 - 4. Location. A service bay identification sign may be located on the outermost wall of any principal building adjacent to a service bay entrance, but shall not project more than 16 inches from the wall to which the sign is to be affixed.

5. Height. A service bay identification sign shall have a maximum height no greater than twenty-five (25) feet or the eaveline.

§19-112. Office, Industrial and Institutional Use Signs.

For all office, industrial and institutional uses, only the following signs are hereby permitted and then only if accessory and incidental to a permitted or special use:

1. Office, Industrial, and Institutional Use Signs. Office, industrial and institutional use signs shall be subject to the following:
 - A. Wall Signs.
 1. Number. There shall not be more than one wall sign for each principal building, except where the building abuts two or more streets, additional such signs, one oriented to each abutting street, shall be permitted.
 2. Area. The gross surface area of a wall sign shall not exceed 10% of the area of the building wall, including doors and windows, to which the sign is to be affixed or 64 square feet per face, whichever is smaller. The gross surface area of a wall sign may be increased by 20%, except that the gross surface area of the sign shall not exceed 64 square feet, if such wall sign:
 - a) Consists only of individual, outlined, alphabetic, numeric and/or symbolic characters without background, except provided by the building surface to which the sign is affixed.
 - b) If illuminated, such illumination is achieved through shielded illumination, shielded silhouette lighting or shielded spot lighting, but not any lighting where the light source is visible or exposed on the face or sides of the characters.
 3. Location. A wall sign may be located on the outermost wall of any principal building, but shall not project more than 16 inches from the wall to which the sign is to be affixed.
 4. Height. A wall sign shall have a maximum height no greater than twenty-five (25) feet or the eaveline.
 5. Special Conditions. Where a principal building is devoted to two or more permitted uses, the operator of each such use may install a wall sign upon his/her proportionate share of the building wall to which the sign is to be affixed. The maximum gross surface area of each such wall sign shall be not more than 24 square feet per face. The proportionate share is determined by calculating the area of the building wall, including doors and windows to which the sign is to be affixed, and applying such proportion to the total permitted wall sign aggregate gross surface area of the building.
 - B. Freestanding Signs.
 1. Number. There shall not be more than one freestanding sign for each lot.
 2. Area. The gross surface area of a freestanding sign shall not exceed 32 square feet per face, nor exceed an aggregate gross surface area of 64 square feet.

3. Location. A freestanding sign may be located in any required yard, but shall not extend over any lot line or within 15 feet of any point of vehicular access from any zoning lot to a public roadway.
 4. Height. A freestanding sign shall not project higher than 25 feet, as measured from grade level directly below the face of the sign or grade of the nearest adjacent roadway, whichever is lower, except in the Corridor Overlay District when the height shall be controlled by the Corridor Overlay District and the regulations of the underlying zoning district.
- C. Projecting Signs.
1. Number. There shall not be more than one projecting sign per business.
 2. Projecting signs may project over public rights-of-way only where front yards of less than five feet in depth are provided, subject to the following regulations:
 - a) Such signs shall not extend more than half of the distance between the building and the curblin or nearest edge of the street surface, whichever is least;
 - b) No portion of any such sign shall be less than eight feet above the grade directly below the sign;
 - c) May not exceed six square feet per face; and
 - d) May not be illuminated.
- D. Awning, Canopy and Marquee Signs.
1. Number. There shall not be more than one awning, canopy or marquee sign exceeding an aggregate gross surface area of four square feet for each principal building. Awning, canopy and marquee signs which are four square feet or less in aggregate gross surface area are exempt from the provisions of this part as specified in § 19-107.
 2. Area. The gross surface area of an awning, canopy or marquee sign shall not exceed 24 square feet, but be limited to not more than 50% of the gross surface area of the smallest face of the awning, canopy or marquee to which such sign is to be affixed.
 3. Location. A sign may be affixed to or located upon any awning, canopy or marquee.
 4. Height. An awning, canopy or marquee sign shall not project higher than the top of the awning, canopy or marquee to which such sign is to be affixed.
- E. Landscaped Ground Sign.
1. Number. There shall not be more than one landscaped ground sign for each lot.
 2. Area. The minimum nonbuildable front yard area required for placement of a landscaped ground sign is 1/4 acre (10,890 square feet). The area of a landscaped freestanding sign shall not exceed 1,500 square feet per face. The front yard area is defined as the area between the two side lot lines, the road right-of-way, and the building front or parking lot, whichever is closer, extending the full length of the front lot line.

3. Location. A landscaped ground sign shall be located in the required front yard, but shall not extend over any lot line or within 15 feet of any point of vehicular access from a zoning lot to a public roadway. In addition, the landscaped ground sign shall not block the sight distance of persons ingressing or egressing from the site. The landscaped sign shall be located on a slope of not greater than three to one.
 4. Height. Any material which is part of a landscaped ground sign (i.e., the name, logo or primary identifying feature) shall not project higher than three feet, as measured from average grade below the landscaped materials which make up the sign.
 5. Grading. Proposed grading and/or mounding shall not be sloped greater than three to one and shall not extend higher than three feet from adjacent finished grades.
 6. Materials. The landscaped ground sign shall be constructed of plant material and related natural landscaping materials such as stone, mulch and landscape timbers. The landscaped ground sign shall be property maintained. Any plant material that is 25% dead or more shall be considered dead and must be replaced. Deciduous material shall be guaranteed to break dormancy if planted in the dormant season. Replacements shall be made during the first spring or fall planting season following the death of the plants. Replacements shall be of the same size and species as the original.
2. Office and Industrial Park Signs. Office and industrial park signs indicating only the name of the park and/or the address or location of the park shall be subject to the following:
 - A. Type. All office and industrial park signs shall be freestanding signs.
 - B. Number. There shall not be more than one office or industrial park sign for each point of vehicular access to an office or industrial park from an intersecting public roadway.
 - C. Area. The area of an office or industrial park sign shall not exceed 32 square feet per face, nor exceed an aggregate gross surface area of 64 square feet. Directory signs may not be attached to the office or industrial park freestanding sign.
 - D. Location. An office or industrial park sign may be located in any required yard, but shall not extend over any lot line or within 15 feet of any point of vehicular access from any zoning lot to a public roadway.
 - E. Height. An office or industrial park sign shall not project higher than seven feet as measured from grade level directly below the face of the sign or grade of the nearest adjacent roadway, whichever is higher.
 3. Directory Signs. Directory signs, which are in addition to the principal freestanding or wall signs, indicating only the name of the occupants of the premises on which the sign is to be located, but containing no advertising material of any kind, shall be subject to the following:
 - A. Type. Directory signs may be either wall signs or part of the primary freestanding sign for the lot.
 - B. Number. There shall not be more than one directory sign for each office, industrial and institutional building or complex under unified control consisting of two or more

occupants. Directory signs shall not be permitted for single occupant office, industrial and institutional buildings and complexes.

- C. Area. The area of a directory sign shall not exceed five square feet per face for each occupant located in the building or complex.
 - D. Location. A directory sign may be located in any required yard, but shall not extend over any lot line or within 15 feet of any point of vehicular access from any zoning lot to a public roadway.
 - E. Height. A directory sign shall not project higher than 10 feet as measured from grade level directly below the face of the sign or building to which the sign is to be affixed or the grade of the nearest adjacent roadway, whichever is higher.
4. Off-Premises Directional/Directory Signs. Off-premises directional/directory signs shall be subject to the following:
- A. Type. Off-premises directional/directory signs may be either wall signs or freestanding signs.
 - B. Number. There shall not be more than one sign per business which does not have access to a public street. When two or more businesses require an off-premises directional/directory sign, all information shall be combined into one sign.
 - C. Area. The gross surface area of an off-premises directional/directory sign shall not exceed five square feet per face per business nor exceed an aggregate gross surface area for all businesses of 32 square feet per face or an aggregate gross surface area of 64 square feet.
 - D. Location. An off-premises directional/directory sign shall be located at the roadway leading to the occupant's premises but shall not extend over any lot line or within 15 feet of any point of vehicular access from any zoning lot to a public roadway. The sign may be located within the private access right-of-way provided that all parties within interest in the private right-of-way waive their private interest in the encroachment of the sign. Further, if the private right-of-way ever becomes public, the off-premises directional sign shall be removed prior to the Township accepting the street.
 - E. Height. If the off-premises directional/directory sign is a freestanding sign, then it shall not project higher than 10 feet as measured from grade level directly below the face of the sign to the grade of the nearest adjacent roadway, whichever is higher. If the off-premises directional/directory sign is a wall sign, then it shall not project higher than the parapet line of the wall to which the sign is to be affixed, whichever is lower.
 - F. Special Conditions. Off-premises directional/directory signs are to be utilized only by a business whose property does not abut a public street.
5. Institutional Attraction Boards. Attraction boards displayed by civic, philanthropic, educational and religious organizations identifying activities, events and services involving the organization occupying the premises on which the attraction board is to be erected, but containing no commercial advertising material of any kind, shall be subject to the following:
- A. Type. Institutional attraction boards may be either wall signs or freestanding signs. If it is a freestanding sign, it must be attached to the primary freestanding sign.

- B. Number. There shall not be more than one institutional attraction board for each principal building.
 - C. Area. The gross surface area of an institutional attraction board shall not exceed 15 square feet per face, nor exceed an aggregate gross surface area of 30 square feet.
 - D. Location. An institutional attraction board may be located in any required yard, but shall not extend over any lot line or within 15 feet of any point of vehicular access from any zoning lot to a public roadway.
 - E. Height. An institutional attraction board shall not project higher than 15 feet as measured from grade level directly below the face of the sign or building to which the sign is to be affixed or the grade of the nearest adjacent roadway, whichever is higher.
 - F. Exempt Signs. Exempt signs as specified in § 19-107.
 - G. Temporary Signs. Temporary signs as specified in § 19-108.
6. Exempt Signs. Exempt signs as specified in § 19-107.
 7. Temporary Signs. Temporary signs as specified in § 19-108

§19-113. Permits.

1. Unless exempted in accordance with this section, any installation, erection, construction, alteration, or maintenance of a sign within Ferguson Township without first obtaining a sign permit from the Sign Officer and paying the required fee:
 - A. Exempt signs as specified in § 19-107.
 - B. Routine maintenance or changing of the parts or copy of a sign, provided that the maintenance or change of parts or copy does not alter the surface area, height, or otherwise render the sign nonconforming.
2. Permit Application. Applications for sign permits shall be submitted to the Sign Officer and shall contain or have attached thereto the following information:
 - A. The names, addresses and telephone numbers of the applicant, the owner of the property on which the sign is to be erected or affixed, the owner of the sign, and the person to be erecting or affixing the sign.
 - B. The location of the building, structure, or zoning lot on which the sign is to be erected or affixed.
 - C. A sketch plan of the property involved, showing accurate placement thereon of the proposed sign.
 - D. Two drawings of the plans and specifications of the sign to be erected or affixed and the method of construction and attachment to the building or in the ground. Such plans and specifications shall include details of dimensions, color, materials, and weight.
 - E. The written consent of the owner of the building, structure, or property on which the sign is to be erected or affixed.
 - F. Such other information as the Sign Officer may require to determine full compliance with this and other applicable ordinances of the Township of Ferguson.
3. Issuance of Permits. Upon filing of an application for a sign permit, the Sign Officer shall examine the plans, specifications, and other submitted data, and the premises upon which the sign is proposed to be erected or affixed. If it appears that the proposed sign is in compliance with all

the requirements of this part and in conformance with the Zoning Ordinance (Chapter 27) and other applicable ordinances of the Township of Ferguson and if the appropriate permit fee has been paid, the Sign Officer shall issue a permit for the proposed sign.

- A. Except when a land development plan is required, in which case a land development plan shall be submitted in accordance with Chapter 22, all applications for zoning permits shall be granted or denied by the Sign Officer within 30 days from the date of receipt of the application and fees for such. The Sign Officer shall notify the applicant in writing of all action taken on the application for a zoning permit within said thirty-day period. If the application is denied, such notification shall specify the provisions of this part.
 - B. If the work authorized under a sign permit has not been completed within 24 months after the date of issuance, the permit shall become null and void, unless otherwise extended by the Sign Officer for a single additional ninety-day period.
4. Permit Fees. Each sign required by this part requiring a sign permit shall pay a fee established by resolution by the Board of Supervisors of Ferguson Township.
5. Annual License Fee. An annual license fee for all signs, except exempt signs and residential development signs, shall be paid in accordance with a resolution setting forth the Township fee schedule. The Township fee schedule shall be adopted by resolution of the Ferguson Township Board of Supervisors.
 - A. Upon the submission of an annual license, the Sign Officer will review the sign at the time of renewal and determine if the sign is conforming. If the sign is deemed to be nonconforming, the Sign Officer shall file a certificate of nonconformity and provide it to the owner and maintain a copy at the Township.
6. Penalty Fee. If an annual sign permit renewal fee is paid later than 60 days of the date of the invoice requesting such payment, a penalty fee equal to 50% of the cost of the permit renewal fee shall be assessed.
7. Revocation of Permit. All rights and privileges acquired under the provisions of this part are mere licenses and, as such, are at any time revocable for just cause by the Ferguson Township Board of Supervisors. All permits issued pursuant to this section are hereby subject to this provision.

§19-114. Review of Existing Permanent Signs.

1. Annual Inspection. The Sign Officer, or his/her authorized representative, shall conduct, at a minimum, an annual inspection of all permanent signs being displayed in the Township of Ferguson on and after the effective date of this part (which signs are hereinafter called "existing permanent signs" for the purpose of identifying those existing permanent signs which are not in compliance with this part).
2. Requests for Inspection. Any person may file a written request with the Sign Officer requesting an inspection of one or more existing permanent signs as identified in the request. In each such instance, the Sign Officer shall promptly inspect such sign(s) to determine compliance with the provisions of this part. However, no existing permanent sign need be inspected more than two times annually. The Sign Officer shall make a written report indicating the findings of the inspection to both the owner of the inspected sign and to the person filing the request for inspection.

3. Complaints. Complaints filed with the Planning and Zoning Department will be acted on by the Sign Officer.
4. Notices of Violation. The Sign Officer shall notify, in writing, each owner of an existing permanent sign found to be in violation of any provision of this part pursuant to the inspections made under Subsections 1, 2 and 3. The notice shall specifically refer to each section of this part under which a violation has been found to exist and thereupon describe the features of the inspected sign found to be deficient. The notice shall specify whether the sign is a legal nonconforming sign or a nonconforming sign, as described in § 19-115 of this part.
5. Appeals. The owner of an existing permanent sign which has been the subject of the notice of violation as specified in Subsection 3 may appeal the notice by filing an appeal pursuant to § 19-117 of this part no later than 30 days after receipt of such notice of violation.

§ 19-115. Nonconforming Signs.

1. Nonconforming Signs. Any sign lawfully existing or any sign application submitted to the Township on the effective date of this part, which does not conform to one or more of the provisions of this part, may be continued in operation and maintained indefinitely as a legal nonconforming sign subject to compliance with the requirements of Subsection 2 of this section.
2. Maintenance and Repair of Nonconforming Signs. Normal maintenance of nonconforming signs include, and are not limited to, copying, incidental copy alterations due to change in ownership, replacement of certain portions of the sign, or the entire sign if necessary, to repair damage from collision, natural causes such as windstorm or fire, or from intentional damage such as vandalism, which does not extend or intensify the nonconforming features of the sign, shall be permitted.
 - A. No nonconforming sign shall be enlarged or dimensionally altered or moved from one location to another, unless it will result in the elimination of the nonconforming features of the sign.
 - B. Any changes to pre-existing nonconforming signs or sign structures may not be rebuilt to its original condition and must comply with the provisions of this title. Changes include change of location, orientation, size, height or illumination.
 - C. If there is an abandonment or nonuse, of a licensed nonconforming sign or sign location for a period of at least one year, such nonconforming sign shall be deemed to be abandoned and the right to maintain such nonconforming sign shall terminate.

§19-116. Removal of Certain Signs.

1. Signs in Violation. If the Sign Officer shall find that any sign, displayed in violation of the Ordinance, he/she shall give written notice to the owner, agent, or person having the beneficial interest in the building or the premises on which such sign is located.
2. Abandoned Signs. Any sign, whether existing on or erected after the effective date of this part, which advertises a business no longer being conducted or a product no longer being offered for sale in or from the premises on which the sign is located, shall be removed within 90 days upon the cessation of such business or sale of such product by the owner, agent or person having beneficial interest in the building or premises on which such sign is located. If the Sign Officer shall find that any such sign advertising a business no longer being conducted or a product no

longer being offered for sale in or from the premises on which the sign is located has not been removed from the premises on which the sign is located within 90 days upon the cessation of such business or sale of such product, he/she shall give written notice to the owner, agent or person having the beneficial interest in the building or premises on which such sign is located.

3. **Unsafe Signs.** Ferguson Township may remove or cause to be removed the sign at the expense of the owner and/or lessee in the event of the owner or the person or firm maintaining the sign has not complied with the terms of the notice within 30 days of the date of the notice. In the event of immediate danger, the Township may remove the sign immediately upon the issuance of notice to the owner, person, or firm maintaining the sign.

§19-117. Administration and Enforcement.

1. **Enforcement Officer.** The Sign Officer is hereby designated as the enforcement officer for this part. In furtherance of his/her authority as such enforcement officer, the Sign Officer shall have the following duties and powers:
 - A. **Review and Issue Permits.** Review all applications for sign permits and issue permits for those signs found to be in compliance with the provisions of this part.
 - B. **Conduct Inspections.** Conduct an annual or more frequent inspection of all permanent signs displayed in the Township of Ferguson to ensure compliance with the provisions of this part.
 - C. **Issue Notices of Violations.** Issue notices of violation to the owner, agent or person having the beneficial interest in the building or the premises on which a sign is located which is found to be in violation of this part.
 - D. **Cause Removal of Certain Signs.** After due notice, cause the removal of certain signs which are found to be in noncompliance with one or more of the provisions of this part.
 - E. **Administrative Interpretations.** Render, when called to do so, administrative interpretations regarding the provisions of this part and their effect on the display of any sign located or to be located in the Township of Ferguson.
 - F. **Maintenance of Records.** Maintain all records necessary to the appropriate administration and enforcement of this part, including applications for variances and appeals.
 - G. **Public Information.** Provide and maintain a source of public information relative to all matters arising out of this part.
2. **Zoning Hearing Board of Ferguson Township.**
 - A. **Jurisdiction.** The Zoning Hearing Board is hereby vested with the following jurisdiction and authority:
 1. **Appeals.** Hear all appeals from any order, requirement, decision, determination, or interpretation of the Sign Officer acting with the authority vested from this part and make written decisions for the disposition of such appeals.
 2. **Variances.** Hear all requests for variances from the provisions of this part and make written decisions for the granting or denial of such requests.
 - B. **Appeals.** An appeal may be taken to the Zoning Hearing Board by any person aggrieved by an order, requirement, decision, determination or interpretation by the Sign Officer acting within the authority of this part.

3. Petition for Appeal.
 - A. Standing. An appeal shall be filed within 30 days after the alleged erroneous order, requirement, decision, determination, or interpretation.
 - B. Filing. An appeal shall be filed on the official Township sign variance appeal application form which includes the following:
 1. The name(s), address(es), and telephone number(s) of the petitioner(s), the owner(s) of the property on which the sign is to be erected or affixed, the owner(s) of the sign, and the person affixing the sign.
 2. A description of the appeal.
 3. Justification of the appeal.
 4. The location of the building, structure, or zoning lot on which the sign is to be erected or affixed.
 5. A site plan on the property involved, showing accurate placement thereon of the proposed sign.
 6. A drawing of the plans and specifications of the sign to be erected or affixed and method of construction and attachment of the building or in the ground. Such plans and specifications shall include details of dimensions, materials, color, and weight.
 7. The written consent of the owner of the building, structure, or property on which the sign is to be erected or affixed.
 8. Such other information as the Sign Officer may require to determine full compliance with this and other applicable ordinances of the Township of Ferguson.
 - C. Fees. Each appeal to the Zoning Hearing Board shall be accompanied by a fee as set by resolution of the Ferguson Township Board of Supervisors.
4. Transmittal of Record. The Sign Officer shall, at the time of filing an appeal, forthwith transmit to the Zoning Hearing Board all of the documents constituting a record upon which the action appealed was taken.
5. Effect of Appeal. An appeal shall stay all proceedings in furtherance of the action appealed from, unless the Sign Officer certifies to the Zoning Hearing Board, after the appeal has been filed with the Sign Officer, that by reason of the facts stated in the application, a stay would in his/her opinion cause imminent peril to life or property. In such case, the proceeding shall not be stayed unless a restraining order is issued by a court of record, and then only if due cause can be conclusively shown.
6. Zoning Hearing Board.
 - A. Timing. The Zoning Hearing Board shall hold a public hearing on an appeal within 60 days of its completed written form and hearing fee.
 - B. Attendance. The petitioner and Sign Officer and/or their authorized representative shall attend those meetings of the Zoning Hearing Board at which an appeal is to be heard.
7. Zoning Hearing Board Decision. Within 45 days after the close of the required public hearing of an appeal, the Zoning Hearing Board shall prepare and submit written findings of fact and

conclusions of law to grant, deny, wholly or in part, or modify said appeal to the Board of Supervisors for final determination.

8. Effect of Zoning Hearing Board Denial. No appeal which has been denied, wholly or in part, by the Zoning Hearing Board, in accordance with the provisions established herein, may be resubmitted for a period of one year from date of said denial, except on grounds of new evidence or proof of changed conditions found to be valid by the Zoning Hearing Board.
9. Maintenance of Records. The Sign Officer shall maintain complete records of all findings of fact and conclusions of law of the Zoning Hearing Board relative to an appeal. All such records shall be open to the public for inspection.
10. Variances. It is the intent of this part to use variances only to relieve hardship. Specifically, variances are to be used to overcome some exceptional condition which poses practical difficulty or particular hardship in such a way as to prevent an owner from displaying his/her sign as intended by this part. Such practical difficulty must be clearly exhibited and must be a result of an external influence; it may not be self-imposed.

A. Petition for Variance.

1. Standing. A petition for a variance from any provisions of this part may be made by any person having a proprietary interest in the sign for which such variance is requested.
2. Filing. A variance request shall be filed in writing with the Sign Officer and shall include the following information:
 - a) The name(s), address(es), and telephone number(s) of the petitioner(s), the owner(s) of the property on which the sign is to be erected or affixed, the owner(s) of the sign, and the person affixing the sign.
 - b) A description of the requested variance.
 - c) Justification of the requested variance.
 - d) The location of the building, structure, or zoning lot on which the sign is to be erected or affixed.
 - e) A site plan of the property involved, showing accurate placement thereon of the proposed sign.
 - f) A drawing of the plans and specifications of the sign to be erected or affixed and method of construction and attachment of the building or in the ground. Such plans and specifications shall include details of dimensions, materials, color, and weight.
 - g) The written consent of the owner of the building, structure, or property on which the sign is to be erected or affixed.
 - h) Such other information as the Sign Officer may require to determine full compliance with this and other applicable ordinances of the Township of Ferguson.

B. Fees. Each variance request to the Zoning Hearing Board shall be accompanied by a fee as set forth by the Board of Supervisors, which fee is to be paid at the time of filing of the variance request.

C. Zoning Hearing Board.

1. Timing. The Zoning Hearing Board shall hold a public hearing on a variance request within 60 days of its completed written filing.
 2. Attendance. The petitioner and Sign Officer and/or their authorized representative shall attend those meetings of the Zoning Hearing Board at which a variance is to be heard.
- D. Standards for Variances. The Zoning Hearing Board may determine that a variance be granted when it shall be determined from evidence presented to the Zoning Hearing Board that the variance will not merely serve as a convenience to the petitioner, but is necessary to alleviate some demonstrable hardship or unusual practical difficulty and that the granting of the variance will not in any way be inconsistent with the intent, purpose, and objectives of this part.
- E. The Zoning Hearing Board's Decision. Within 30 days after the close of the required public hearing of a requested variance from one or more of the provisions of this part, the Zoning Hearing Board shall prepare and submit written findings of fact and conclusions of law to grant, deny, wholly or in part, or modify said variance request.

§19-118. Violations and Penalties.

1. Failure to Obtain or Renew Sign Permit. Any person who erects, alters, or relocates within the Township of Ferguson any sign without first obtaining a sign permit or fails to renew such permit for an existing sign as specified in § 19-113 of this part shall be, upon conviction thereof in a proceeding commenced before a district justice pursuant to the Pennsylvania Rules of Criminal Procedures, sentenced to a fine of not less than \$100 nor more than \$1,000 plus costs and, in default of payment of said fine and costs, to a term of imprisonment not to exceed 90 days. Each day's continuance of a violation shall constitute a separate offense.
2. Display of Illegal Signs. Any person who displays a sign in the Township of Ferguson found to be in violation of one more of the provisions of this part, except for those legal nonconforming signs as specified in § 19-115, after receipt of written notice of such violation(s), shall, upon conviction thereof in a proceeding commenced before a district justice pursuant to the Pennsylvania Rules of Criminal Procedures, be sentenced to a fine of not less than \$100 nor more than \$1,000 plus costs and, in default of payment of said fine and costs, to a term of imprisonment not to exceed 90 days. Each day's continuance of a violation shall constitute a separate offense.
3. Other Remedies. In addition to all other remedies, the Township of Ferguson may institute any appropriate action or proceeding to prevent, restrain, correct, or abate any violation of this part.

§ 19-119 Severability.

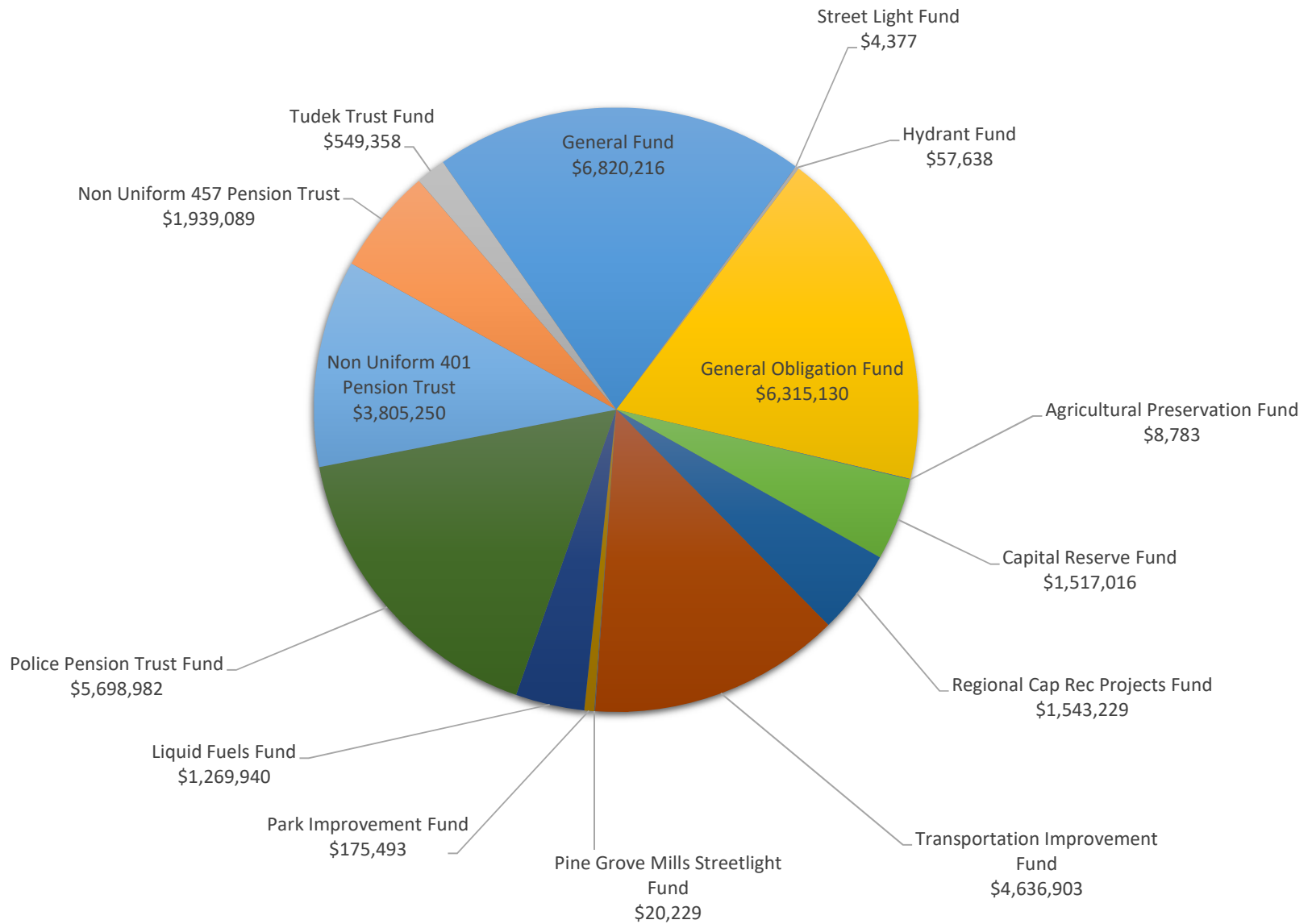
If any word, sentence, section, chapter or any other provision or portion of this part or rules adopted hereunder is invalidated by any court in competent jurisdiction, the remaining words, sentences, sections, chapters, provisions, or portions will not be affected and will continue in full force and effect.



MONTHLY TREASURERS REPORT

JUNE 2020

CASH BALANCES BY FUND - JUNE 30, 2020



Ferguson Township Treasurer's Report

June 30, 2020

Statement of Cash Balances

General Fund

Checking

Jersey Shore State Bank Operating (3245)	4,687,137.53
JSSB Flex Plan Checking (8757)	22,207.08
Ameriserv Money Market 2602	261,810.56
Ameriserv CD (0210) (matures 12/3/21)(1/3 of total)	268,156.08
PLGIT General Fund Classs (3017)	460,285.37
PLGIT General Fund Prime (3017)	802,040.30
PLGIT General Fund CD (matures 6/30/20)	0.00

Investments

JSSB/Voya Brokerage Account (@ market)	318,579.37
--	------------

TOTAL GENERAL FUND

6,820,216.29

Other Funds

Fund 02 Street Lights

JSSB Checking (4836)	4,377.17
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Fund 03 Fire Hydrant

JSSB Checking (4844)	57,638.24
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Fund 16 General Obligation

JSSB Checking (4852)	427,626.25
JSSB 2019 Bond Checking	5,887,503.53

Fund 19 Agricultural Preservation

JSSB Checking (4879)	8,783.41
----------------------	----------

Fund 30 Capital Reserve

Paypal Account	31,771.15
JSSB Checking (Employee Wellness Sinking Fund)(4909)	13,463.50
JSSB Capital Reserve Checking (3555)	657,739.98
JSSB Checking (Police Equipment Sinking Fund) (1711)	95.07
JSSB Checking (PW Equipment Sinking Fund)(4895)	575,602.63
JSSB Checking (Bldg Equipment Sinking Fund)(4887)	238,344.07

Fund 31 Regional Capital Recreation Projects

JSSB Checking (3547)	1,013,262.14
Ameriserv Money Market 2818	261,810.56
Ameriserv CD (0210) (matures 12/3/21)(1/3 of total)	268,156.08

Fund 32 Transportation Improvement

JSSB Checking (3539)	2,788,833.81
PLGIT Checking (Class & Plus)(3261)	66,156.03
PLGIT Checking (Prime)(3261)	1,005,946.66
PLGIT CD (matures 11/6/20)	246,000.00
Ameriserv Money Market 2693	261,810.56
Ameriserv CD (0210) (matures 12/3/21)(1/3 of total)	268,156.08

Fund 33 Pine Grove Mills Street Lights

Ferguson Township Treasurer's Report

June 30, 2020

Statement of Cash Balances

JSSB Checking (4917)	20,228.50
<u>Fund 34 Park Improvement</u>	
JSSB Checking (4925)	175,492.63
<u>Fund 35 Liquid Fuels</u>	
JSSB Checking (4933)	351,348.05
PLGIT Checking (Class) (3020)	517,529.46
PLGIT Checking (Prime) (3020)	401,062.43
PLGIT CD (3020)	0.00
<u>Fund 93 Tudek Memorial Trust</u>	
JSSB Checking (4976)	11,708.60
FNB Investments (@market)	148,920.73
Centre Foundation Investments	388,729.02
TOTAL OTHER FUNDS	16,098,096.34
TOTAL NON PENSION FUNDS	22,918,312.63
Employer Pension Trust Funds	
<u>Fund 60 Police Pension Trust</u>	
JSSB Checking (4941)	24,913.72
PNC Enterprise Checking (9642)	52,754.12
PNC Investments (@market)(includes accrued interest)	5,621,314.06
<u>Fund 65 Non Uniformed 401a Pension Trust</u>	
JSSB Checking (4968)	102.18
ICMA-RHS (801695) Employee Retirement Health Savings Trust (@ market)	80,836.30
ICMA-401 (108860) Employer Pension Investment Trust (@ market)	3,724,311.03
TOTAL PENSION TRUST FUNDS	9,504,231.41
GRAND TOTAL	32,422,544.04
Employee Pension Trust Funds	
<u>Fund 66 Non Uniformed 457 Pension Trust</u>	
ICMA-457 (300747) Employee Pension Investment Trust (@ market)	1,902,901.91
ICMA-ROTH IRA (706007) Employee Pension Investment Trust (@ market)	36,187.00
	1,939,088.91

Bank Reconciliation

Uncleared Checks by Fund

User: eendresen
Printed: 07/22/2020 - 3:11PM
Checks Before: 06/30/2020



Fund/Check No.	Check Date	Clear Date	System	Vendor/Employee No.	Vendor/Employee Name	Amount
01	GENERAL FUND					
6192	09/29/2017	Uncleared	AP	11577	CBICC	2,500.00
6255	10/13/2017	Uncleared	AP	11547	FOSTER DANIEL	250.00
6727	01/31/2018	Uncleared	AP	11597	WITHERS KARYN	15.00
7254	06/15/2018	Uncleared	AP	11738	GREENE HERBERT	25.00
7622	08/31/2018	Uncleared	AP	11756	TOMKEIL PAUL	40.00
7947	11/15/2018	Uncleared	AP	11344	PETERSON INDUSTRIES INC.	684.53
8001	11/29/2018	Uncleared	AP	10720	MORRISON SHAWN	25.00
8162	01/15/2019	Uncleared	AP	10670	MAYER JONATHAN	750.00
8358	02/28/2019	Uncleared	AP	11614	SNAP ON INDUSTRIAL	11.47
8596	04/30/2019	Uncleared	AP	10422	GEISINGER HEALTH SYSTEM	157.47
8753	06/15/2019	Uncleared	AP	10755	NITTANY OFFICE EQUIP C O HON	254.10
8799	06/28/2019	Uncleared	AP	10240	COLLEGIATE PRIDE INC	171.92
9001	08/22/2019	Uncleared	AP	10263	CORMANS MAIL SERVICE	2,873.11
9183	10/15/2019	Uncleared	AP	11593	HOME DEPOT CREDIT SERVICES	288.05
9272	11/15/2019	Uncleared	AP	10035	ALS TECHNOLOGIES INC	1,145.00
9297	11/15/2019	Uncleared	AP	11253	INFRADAPT LLC	3,221.44
9340	11/29/2019	Uncleared	AP	11855	ANDERSON INDUSTRIAL MACHINERY	769.80
9437	12/31/2019	Uncleared	AP	10035	ALS TECHNOLOGIES INC	1,145.00
9467	12/31/2019	Uncleared	AP	10670	MAYER JONATHAN	750.00
9562	01/20/2020	Uncleared	AP	11173	WALKER & WALKER EQUIPMENT II LLC	43.19
9717	02/28/2020	Uncleared	AP	11702	BLUE KNOB AUTO	600.00
9725	02/28/2020	Uncleared	AP	11248	CENTRO PRINT SOLUTIONS	100.17
9806	03/15/2020	Uncleared	AP	11797	LANDPRO EQUIPMENT LLC	759.15
9842	03/31/2020	Uncleared	AP	11702	BLUE KNOB AUTO	300.00
9874	03/31/2020	Uncleared	AP	11877	RUSSIAN CHURCH OF CHRIST	78.11
9937	04/30/2020	Uncleared	AP	11219	COMMONWEALTH OF PENNSYLVANIA	50.00
10004	05/15/2020	Uncleared	AP	11702	BLUE KNOB AUTO	300.00
10091	05/31/2020	Uncleared	AP	11490	RECONYX, INC	970.51
10117	06/12/2020	Uncleared	AP	10324	DONS POWER EQUIPMENT	745.74
10130	06/12/2020	Uncleared	AP	11812	MEDEXPRESS	90.00

Fund/Check No.	Check Date	Clear Date	System	Vendor/Employee No.	Vendor/Employee Name	Amount
10143	06/30/2020	Uncleared	AP	10016	AFLAC	176.77
10144	06/30/2020	Uncleared	AP	11242	AMAZON CAPITAL SERVICES INC	1,046.10
10145	06/30/2020	Uncleared	AP	11239	ASAP HYDRAULICS STATE COLLEGE, INC	503.44
10146	06/30/2020	Uncleared	AP	11649	BABST CALLAND CLEMENTS AND ZOMNIR P.C.	4,998.00
10147	06/30/2020	Uncleared	AP	10100	BEST LINE EQUIPMENT	14.99
10148	06/30/2020	Uncleared	AP	11885	CDI	102.08
10149	06/30/2020	Uncleared	AP	10203	CENTRE DAILY TIMES	565.38
10150	06/30/2020	Uncleared	AP	10231	CLEARFIELD WHOLESALE PAPER COMPANY INC	73.81
10151	06/30/2020	Uncleared	AP	10232	CLEARWATER CONSERVANCY	360.91
10152	06/30/2020	Uncleared	AP	10234	CLEVELAND BROTHERS EQUIP CO INC	285.67
10153	06/30/2020	Uncleared	AP	10243	COLUMBIA GAS OF PA INC	154.15
10154	06/30/2020	Uncleared	AP	10324	DONS POWER EQUIPMENT	36.99
10155	06/30/2020	Uncleared	AP	10325	DOTTERER EQUIPMENT INC	2,371.26
10156	06/30/2020	Uncleared	AP	10374	FEDERAL EXPRESS	111.55
10157	06/30/2020	Uncleared	AP	11635	GREAT AMERICA FINANCIAL SERVICES	217.64
10158	06/30/2020	Uncleared	AP	10474	HALDEMAN GEORGE K	139.20
10159	06/30/2020	Uncleared	AP	10491	HINTON & ASSOCIATES	18,975.00
10160	06/30/2020	Uncleared	AP	11727	HUNTER TRUCK SALES	35.53
10161	06/30/2020	Uncleared	AP	10515	HYDRAULIC SOLUTIONS INC	760.00
10162	06/30/2020	Uncleared	AP	11497	ICMA MEMBERSHIP RENEWALS	500.00
10163	06/30/2020	Uncleared	AP	10554	JARU ASSOCIATES INC	15.80
10164	06/30/2020	Uncleared	AP	10565	JOHN TENNIS TOWING	290.00
10165	06/30/2020	Uncleared	AP	10568	K & S DISTRIBUTION	560.80
10166	06/30/2020	Uncleared	AP	10644	LOWES COMPANIES INC	216.34
10167	06/30/2020	Uncleared	AP	11704	MADISON NATIONAL LIFE	4,564.53
10168	06/30/2020	Uncleared	AP	10762	MARCO	430.03
10169	06/30/2020	Uncleared	AP	10673	MCCARTNEYS INC	253.61
10170	06/30/2020	Uncleared	AP	10674	MCCORMICK TAYLOR INC	1,260.00
10171	06/30/2020	Uncleared	AP	10688	MID STATE BATTERY LLC	135.36
10172	06/30/2020	Uncleared	AP	11807	MODEL UNIFORMS	366.72
10173	06/30/2020	Uncleared	AP	11332	NTM ENGINEERING INC	649.01
10174	06/30/2020	Uncleared	AP	11378	P & A GROUP	121.50
10175	06/30/2020	Uncleared	AP	10788	PA DEP	100.00
10176	06/30/2020	Uncleared	AP	10819	PATTON TOWNSHIP SUPERVISORS	35.00
10177	06/30/2020	Uncleared	AP	11677	PLANET TECHNOLOGIES	19.32
10179	06/30/2020	Uncleared	AP	10927	REDLINE SPEED SHINE	280.33
10180	06/30/2020	Uncleared	AP	10945	ROBINSON SEPTIC SERVICE INC	365.00
10181	06/30/2020	Uncleared	AP	10973	SAMS CLUB DIRECT	305.28
10182	06/30/2020	Uncleared	AP	11476	SITE ONE LANDSCAPE SUPPLY	293.03
10183	06/30/2020	Uncleared	AP	11017	SOSMETAL PRODUCTS INC	282.14
10184	06/30/2020	Uncleared	AP	11029	STAHL SHEAFFER ENGINEERING LLC	11,293.32

Fund/Check No.	Check Date	Clear Date	System	Vendor/Employee No.	Vendor/Employee Name	Amount
10185	06/30/2020	Uncleared	AP	11037	STATE COLLEGE FORD LINCOLN INC	577.65
10186	06/30/2020	Uncleared	AP	11589	STOICHEFF'S AUTO PARTS	38.00
10187	06/30/2020	Uncleared	AP	11055	STONER INC	60.55
10188	06/30/2020	Uncleared	AP	11058	STOVER MCGLAUGHLIN	153.00
10189	06/30/2020	Uncleared	AP	11763	SUNBELT RENTALS, INC.	41.00
10190	06/30/2020	Uncleared	AP	11484	SUPERIOR LUMBER, INC	10,060.43
10191	06/30/2020	Uncleared	AP	11729	THE HR OFFICE	161.00
10192	06/30/2020	Uncleared	AP	11159	VERIZON WIRELESS	300.71
10193	06/30/2020	Uncleared	AP	11173	WALKER & WALKER EQUIPMENT II LLC	83.96
10194	06/30/2020	Uncleared	AP	11192	WEST PENN POWER	2,757.24
10195	06/30/2020	Uncleared	AP	10771	WITMER PUBLIC SAFETY GROUP INC	4,574.00
Fund 01 Total:						91,186.89
02	STREET LIGHT FUND					
126	06/30/2020	Uncleared	AP	10487	HERITAGE ELECTRIC	65.00
127	06/30/2020	Uncleared	AP	10644	LOWES COMPANIES INC	125.07
128	06/30/2020	Uncleared	AP	11192	WEST PENN POWER	173.61
Fund 02 Total:						363.68
30	CAPITAL RESERVE FUND					
734	06/30/2020	Uncleared	AP	11242	AMAZON CAPITAL SERVICES INC	168.67
735	06/30/2020	Uncleared	AP	11615	BY DESIGN CONSULTANTS INC	824.00
736	06/30/2020	Uncleared	AP	11895	CINCINNATI INSURANCE COMPANY THE	6,974.00
737	06/30/2020	Uncleared	AP	11818	CIVICPLUS	6,500.00
738	06/30/2020	Uncleared	AP	10236	CMT LABORATORIES	5,402.50
739	06/30/2020	Uncleared	AP	11894	NJ HESS ASSOCIATES	4,000.00
Fund 30 Total:						23,869.17
32	TRANSPORT IMPROVEMENT FUND					
2017073	06/30/2020	Uncleared	AP	11892	JACOBS ENGINEERING GROUP INC	6,425.63
2017074	06/30/2020	Uncleared	AP	10997	SIGNAL CONTROL PRODUCTS INC	10,828.00
Fund 32 Total:						17,253.63
35	LIQUID FUELS FUND					
351	06/30/2020	Uncleared	AP	10034	ALPHA SPACE CONTROL COMPANY INC	84,298.95
352	06/30/2020	Uncleared	AP	10275	CRAFCO INC-BIRMINGHAM	528.11
353	06/30/2020	Uncleared	AP	10509	HRI INC	4,969.15
354	06/30/2020	Uncleared	AP	10644	LOWES COMPANIES INC	173.85


Fund/Check No.	Check Date	Clear Date	System	Vendor/Employee No.	Vendor/Employee Name	Amount
					Fund 35Total:	89,970.06
93	TUDEK PARK TRUST FUND					
20190926	06/30/2020	Uncleared	AP	10610	LANDSCAPE II	15,159.00
20190927	06/30/2020	Uncleared	AP	11192	WEST PENN POWER	15.10
20190928	06/30/2020	Uncleared	AP	11515	WHITE PAULA	48.00
					Fund 93Total:	15,222.10
					Grand Total:	237,865.53



TOWNSHIP OF FERGUSON

3147 Research Drive • State College, Pennsylvania 16801
Telephone: 814-238-4651 • Fax: 814-238-3454
www.twp.ferguson.pa.us

TO: Ferguson Township Board of Supervisors

FROM: Ronald A. Seybert, Jr., P.E.
Township Engineer 

DATE: July 29, 2020

SUBJECT: **THE COTTAGES
SURETY REDUCTION No. 1**

As requested by John Sepp of PennTerra Engineering., I have reviewed surety reduction request number 1 for The Cottages.

The request represents completion of the sanitary sewer and water systems, stormwater, street curbing and paving, sidewalk, shared use path, street lighting and other miscellaneous public improvements. Based upon a review of the submitted checklist and a site evaluation, I recommend approval of the surety reduction as outlined below.

Current Surety Amount \$ 6,328,044.29

Amount of Reduction \$ 5,673,223.73

Revised Surety Amount \$ 654,820.57

cc: The Cottages Surety File



Herbert, Rowland & Grubic, Inc.
Engineering & Related Services

AN EMPLOYEE-OWNED COMPANY

2568 Park Center Boulevard
State College, PA 16801
814.238.7117
www.hrg-inc.com

MAY 2020

**2020 CENTRE REGION ACT 537 SEWAGE FACILITIES
PLAN UPDATE: SPECIAL STUDY FOR THE
SCOTT ROAD PUMP STATION AND BRISTOL INTERCEPTOR**

**UNIVERSITY AREA JOINT AUTHORITY
CENTRE COUNTY, PENNSYLVANIA**

HRG Project No. R001178.0661

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Appendix H	Miscellaneous Correspondence and Meeting Minutes
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EXECUTIVE SUMMARY

Recommended Alternative

It is recommended to pursue the implementation of Alternative 1-C, which generally involves the replacement of the existing wet well, installation of new submersible pumps, forcemain replacement, and construction of a gravity relief sewer. This alternative addresses both existing and projected hydraulic overload conditions at both the Scott Road Pump Station and the downstream gravity conveyance system. Although Alternative 1-C represents a higher capital cost, upgrading the pump station and forcemain will provide improved operability through the modified configuration of pumping and controls to cohere to the UAJA's standard specifications. The estimated present worth of the option is \$2,191,000.

The UAJA will continue to own and operate the proposed pump station and its associated facilities. The UAJA will be responsible for complying with all applicable water quality standards and effluent limitations. The following table presents a general project implementation schedule.

Implementation Schedule

Milestone	Date
Submit Special Study to Municipalities/Planning Commissions (60-day Review)	June 2020
Begin Public Comment Period (30-day)	July 2020
Receive Municipal/Planning Comments, Conclude Public Comment Period	August 2020
Submit Revised Special Study to Municipalities/Planning Commission	September 2020
Present Special Study to CRCOG General Forum	September 2020
Adoption by Municipalities and CRCOG	October 2020
Submission of Special Study to PA DEP (120-day Review)	October 2020
Receive DEP Comments/Approval of Special Study	January 2021
Complete Preliminary Design	April 2021
Submit Permit Applications (WQM, NPDES)	May 2021
Complete Final Design	August 2021
Receive DEP Comments/Approval of Permits	August 2021
Begin Construction	September 2021
Project Completion	August 2022

Introduction

The Centre Region consists of six municipalities located in the south-central portion of Centre County, Pennsylvania: College, Ferguson, Halfmoon, Harris, and Patton Townships and State College Borough.

The University Area Joint Authority (UAJA) owns and operates the Centre Region's primary wastewater treatment facility, the Spring Creek Pollution Control Facility (SCPCF). The UAJA works closely with the Centre Regional Planning Agency (CRPA) and local municipal officials on regional planning activities to manage and prepare its system to meet the future needs of the Centre Region.

The UAJA's SCPCF has a hydraulic capacity (annual average daily flow) of 9.0 million gallons per day (MGD) with a permitted effluent discharge to Spring Creek, a Class A natural trout reproduction stream.

Discharge from the SCPCF is limited to 6.0 MGD to protect the high quality and natural wildlife of Spring Creek. The Beneficial Reuse Project was implemented as a result of the 2000 Centre Region Act 537 Sewage Facilities Plan Revision which identified and evaluated the disposal alternatives for the remaining 3.0 MGD of wastewater effluent that cannot be discharged to Spring Creek. The UAJA can effectively treat influent wastewater to a level that exceeds all current permit requirements (NPDES Permit No. PA0026239).

Special Study Goals

The UAJA owns and operates the Scott Road Pump Station, located in Ferguson Township, which provides sanitary sewer conveyance from the Pine Grove Mills area and a portion of users along S.R. 26 to the Bristol Interceptor in the Patton-Ferguson sewershed. A Task Activity Report (TAR) for this 2019 Act 537 Sewage Facilities Plan Update: Special Study for the Scott Road Pump Station and Bristol Interceptor was submitted to the DEP on May 28, 2019, with subsequent approval received on June 11, 2019. This Special Study identifies and evaluates alternatives for safely handling both existing and future wastewater flows associated with the area(s) currently served by the Scott Road Pump Station.

The UAJA has historically experienced elevated peak flows at the Scott Road Pump Station from inflow and infiltration, and consequently has completed improvements including the replacement of over 1,000 linear feet (l.f.) of sanitary sewer line upstream of the pump station and numerous inspections in effort to reduce the impacts from stormwater. During peak events, influent flows exceed the capacity of the existing pump station, requiring the UAJA to pump wastewater from the wet well and transfer it by truck to the gravity connection point. The UAJA staff typically spends 6-8 hours performing bypass pumping during appreciable rain events. However, the staff has reported events requiring up to 28 hours of bypass pumping. New development in the area and increased sewage flows coupled with aging infrastructure is projected exacerbate overload conditions. Rehabilitation of deficiencies identified within the upstream collection system have, for the time, eliminated the need for bypass pumping during comparable rain events.

The UAJA staff has witnessed backwatering of wastewater flows in the Bristol/Westerly Parkway Interceptor when the Scott Road Pump Station is running. To address this issue and to ensure that the selected alternative for the Scott Road Pump Station will not cause hydraulic overload conditions in the downstream sewer system, the Bristol/Westerly Parkway Interceptor section of the conveyance system was also evaluated as part of this Special Study.

Existing Facilities

The Pine Grove Mills area has a population of approximately 1,500 people (2010 census). Wastewater generated from various residential and non-residential connections is collected through a series of service laterals and sanitary sewer lines. A small lift station known as the Piney Ridge Pump Station is located in the western-most section of the Pine Grove Mills sewershed. Wastewater from the Pine Grove Mills area then flows by gravity to the Scott Road Pump Station, located northeast of the community. The Scott Road Pump Station also receives wastewater flow from connections along S.R. 26 near the intersection with Whitehall Road.

The lift station was originally constructed in 2000 and consisted of duplex submersible pumps and approximately 6,300 l.f. of 6 inch diameter SDR 21 PVC forcemain. The pump station was upgraded in 2007 to a series pumping system comprised of submersible pumps and dry pit pumps with a combined design rating of 510 gallons per minute (gpm) at 316 feet total dynamic head (TDH). With the upgrade, only one set of pumps is operational at any given time (i.e. one submersible and one dry pit). The submersible pumps, located within the 8 foot diameter wet well and the dry pit pumps are started and stopped using variable frequency drives (VFDs); however, the pumps are operated at a constant speed. Subsequent to repeated failures, presumably due to over insertion during installation, a section of the forcemain (approximately 825 l.f.) was replaced with 8 inch diameter C900 DR 14 PVC in 2016.

The forcemain conveying wastewater flow from the Scott Road Pump Station discharges into manhole FT-FM located along Research Drive. Wastewater then flows by gravity through 8 inch PVC sanitary sewer lines within Research Drive to the intersection with Bristol Avenue. The subsequent section of wastewater conveyance consists of 12 inch PVC sanitary sewer line to the intersection of Bristol Avenue and Ferguson Crossing Drive; then 15 inch PVC sanitary sewer line continues until eventually intersecting the Struble Interceptor.

Current and Projected Wastewater Flows

The UAJA's *2018 Chapter 94 Report* indicated that the Scott Road Pump Station currently serves 1,129 EDUs. Influent flow and pumping rates at the Scott Road Pump Station were approximated during field visits on Wednesday June 19, 2019 (mid-day) and Monday February 2, 2020 (morning). Using wet well level fill and draw down observations, estimates of the average daily influent flow rate and the typical pump discharge rate were made (average influent flow during field visits: 291 gpm, average pumping rate during field visits: 748 gpm).

The number of future connections was projected based on available land development plans and on information presented in the Centre Region Planning Agency's (CRPA) *2017 Regional Development Capacity (REDCAP) Report*, which is an analysis of the potential development capacity within the Regional Growth Boundary/Sewer Service Area (RGB/SSA). An additional 602 EDUs are anticipated to contribute wastewater flow to the Scott Road Pump Station in the future. Utilizing the UAJA's planning value of 175 gpd/EDU, average wastewater flows are projected to be approximately 302,900 gpd. Applying a peaking factor of 3.95 (calculated based on flow meter data), the pump station will need to be able safely handle flows up to approximately 1.197 MGD.

Alternatives Considered

Several alternatives were developed and evaluated to provide for additional capacity and alleviate hydraulic overload conditions. **Alternative 1-C: Pump Station replacement with force main upgrade and gravity relief sewer is the recommended alternative.**

Alternative 1 generally involves the replacement of the existing wet well, installation of two new submersible pumps, and forcemain replacement. A design pumping rate of 830 gpm was selected for this alternative. In order to provide a holding period not to exceed 10 minutes for the maximum monthly average flow, the existing 8 foot diameter wet well will need to be replaced with a 12 foot diameter wet

well. In addition, in order to maintain velocities between 2 feet per second (fps) and 5 fps, the remaining section of 6-inch diameter forcemain would need to be upgraded to 8-inch diameter or the entire length upgraded to 10-inch diameter. In order to alleviate potential future overload conditions in the downstream gravity sewer segments of the Bristol/Westerly Parkway Interceptor, the following minor alternatives were evaluated in associated with Alternative 1:

- Alternative 1-A: PS and FM Upgrades with Increased Diameter Downstream
- Alternative 1-B: PS and FM Upgrades with Modified Slope Downstream
- **Alternative 1-C: PS and FM Upgrades with Gravity Relief Sewer (Recommended)**

Alternative 2 generally involves the construction of a 150,000 gallon equalization tank adjacent to the existing facilities on Scott Road, supplemental pump station, and control equipment. Mixing/aeration equipment would be required to alleviate the accumulation of sludge and grit, and to prevent malodors. This alternative would not include any modifications to the capacity and/or layout of the existing pump station. Flows exceeding the capacity of the Scott Road Pump Station would be pumped into the equalization tank by the supplemental pump station and then reintroduced back into the conveyance infrastructure when peak flows subside and capacity becomes available. In order to alleviate potential future overload conditions in the downstream gravity sewer segments of the Bristol/Westerly Parkway Interceptor, the following minor alternatives were evaluated in associated with Alternative 2:

- Alternative 2-A: EQ Tank with Increased Diameter Downstream
- Alternative 2-B: EQ Tank with Modified Slope Downstream

Alternatives 2-A and 2-B are not recommended because they continue to utilize the existing multi-stage pumping system and add a potential source of odors and an additional pump.

Alternative 3 generally involves the construction of a large capacity community on-lot disposal system (COLDS) to handle the excess wastewater flows from the existing Scott Road Pump Station. This alternative would require a total septic volume of approximately 180,000 gallons, uniform dosing pump stations, and a soil absorption area of approximately 140,000 square feet. In order to alleviate potential future overload conditions in the downstream gravity sewer segments of the Bristol/Westerly Parkway Interceptor, the following minor alternatives were evaluated in associated with Alternative 3:

- Alternative 3-A: COLDS with Increased Diameter Downstream
- Alternative 3-B: COLDS with Modified Slope Downstream

Alternatives 3-A and 3-B are not recommended because of their higher cost, and because UAJA believes on-lot disposal systems in karst geology should be avoided where possible even though DEP regulations allow for them.

Alternative 4 generally involves the construction of approximately 19,300 l.f. of 12-inch diameter SDR-35 PVC sanitary sewer and associated manholes to convey wastewater flows from the collection system tributary to the existing Scott Road Pump Station to the existing Slab Cabin Interceptor. The existing pump station and forcemain facilities would then be abandoned, effectively transferring the Pine Grove Mills area wastewater flows from the Patton-Ferguson sub-basin to the College-Harris sub-basin.

As previously mentioned, the UAJA staff has witnessed wastewater backwatering in downstream gravity sections when the existing Scott Road Pump Station is running. Implementation of Alternative 4 would itself relieve the overload conditions currently experienced in the Bristol/Westerly Parkway Interceptor.

Alternative 4 is not recommended because of the significant cost and the long approval, permitting and construction time, which would place undue hardship on developers waiting for capacity to be made available.

The no action alternative represents a situation in which the UAJA does not upgrade or alter the existing facilities in any way. This was determined not to be a feasible alternative considering the existing issues experienced with the facilities which pose potential health and environmental dangers as well as limit the availability for growth and development in the area.

Evaluation of Alternatives

The technically feasible alternatives were evaluated for consistency with respect to the following:

- Clean Streams Law
- Clean Water Act
- Corrective Action Plans/Annual Reports
- Centre Region Comprehensive Plan
- Anti-degradation Requirements
- State Water Plans
- PA Prime Agricultural Land Policy
- County Stormwater Plans
- Wetland Protection
- Source Water Protection
- Protection of rare, endangered or threatened species
- Historical and archaeological resource protection

With the exception of Alternatives 3 and 4, implementation of each of the proposed alternatives would involve the disturbance of lands within the SSA that have been previously disturbed. Implementation of Alternative 4, only, would result in disturbance of lands designated as Agricultural Security Areas, and areas which contain highly productive drinking water wells.

Implementation of Alternative 4, only, would necessitate extensive wetland protection, as this alternative includes construction of a sewer alignment generally parallel to Slab Cabin Run. While the presence of wetlands alone does not eliminate the potential for the UAJA to implement Alternative 4, it would certainly increase the capital cost of construction.

In order to evaluate the economic impacts of the alternatives, conceptual-level cost estimates were prepared. These costs include estimated capital construction costs, project costs, and annual operation and maintenance (O&M) costs. No detailed field survey or investigations were conducted as part of this Special Study to confirm the accuracy of record drawings, to confirm the location of below grade utilities, or to confirm the site subsurface conditions. Table 6.1 presents a summary of the cost estimates developed for the Scott Road Pump Station alternatives.

Table 6.1: Summary of Pump Station Alternatives’ Costs Estimates and Present Worth Analysis

Alternative	Capital Cost	Annual O&M Cost	Annual O&M Present Worth	Total Present Worth
1: Pump Station and Forcemain Upgrades	\$ 1,743,000	\$ 28,710	\$ 447,562	\$ 2,191,000
2: Equalization Tank	\$ 1,111,000	\$ 44,290	\$ 690,439	\$ 1,801,000
3: Community On-Lot Disposal System	\$ 2,376,000	\$ 31,261	\$ 487,340	\$ 2,863,000
4: Gravity Conveyance	\$ 3,665,000	\$ 640	\$ 9,977	\$ 3,675,000

The implementation of Alternatives 1, 2, or 3 would require the additional implementation of one of the Bristol/Westerly Parkway Interceptor alternatives. A summary of cost estimates developed for these minor alternatives is presented in Table 6.2.

Table 6.2: Summary of Bristol/Westerly Parkway Interceptor Costs Estimates

Alternative	Capital Cost
1-A: (PS & FM Upgrades) Increased Diameter Downstream	\$ 775,000
1-B: (PS & FM Upgrades) Modified Slope Downstream	\$ 690,000
1-C: (PS & FM Upgrades) Gravity Relief Sewer	\$ 342,000
2-A: (EQ Tank) Increased Diameter Downstream	\$ 93,000
2-B: (EQ Tank) Modified Slope Downstream	\$ 319,000
3-A: (COLDS) Increased Diameter Downstream	\$ 93,000
3-B: (COLDS) Modified Slope Downstream	\$ 319,000

Table 6.3 presents the combined costs of each major alternative with its associated lowest estimated capital cost Bristol/Westerly Parkway Interceptor alternative.

Table 6.3: Total Costs Estimates of Paired Alternatives

Alternative	Total Cost
1-C: PS and FM Upgrades with Gravity Relief Sewer	\$ 2,533,000
2-A: EQ Tank with Increased Diameter Downstream	\$ 1,894,000
3-A: COLDS with Increased Diameter Downstream	\$ 2,956,000
4: Gravity Conveyance	\$ 3,675,000

Another component considered in evaluating the pump station alternatives was the effects of greenhouse gas (GHG) emissions, which are integral to the understanding of a project’s impact and should be factored into the decision making process accordingly. The significance of GHG emissions from wastewater treatment plants has been increasingly acknowledged in recent years. The implementation of a gravity conveyance line to replace the Scott Road Pump Station could reduce greenhouse gas emissions by approximately 35% compared to Alternatives 1 and 2.

The final aspect to consider in evaluating the pump station alternatives is the overall operability of each conveyance option. An operability review insures quality and reliability from an O&M standpoint at this important early stage of a project. The gravity conveyance system (Alternative 4) plainly represents the least labor intensive alternative. Construction of a COLDS or equalization tank would add complexity to the existing system, which is undesirable from an operator's perspective. The addition of mechanical and electrical equipment to the existing system also introduces another point in which failure of such equipment could cause a disruption to sewage conveyance. Implementation of Alternative 1, would provide a decrease in labor required by the UAJA's collection system staff compared to both existing conditions and to Alternatives 2 and 3. The proposed pump station modifications would bring the Scott Road Pump Station into coherence with the UAJA's standard specifications for lift stations.

1 PREVIOUS WASTEWATER PLANNING

1.1 Summary of Previous Act 537 Plans and Related Documents

Over the past 30 years, a substantial amount of sewage facility planning work has been completed in the Centre Region; however, a comprehensive update has not been completed since 2006. In 1987, the UAJA and the Centre Region municipalities began working cooperatively with the PA Department of Environmental Resources (DER) to address concerns that the UAJA's SCPCF was approaching its (then) 3.84 MGD capacity.

In 1990, DER officially approved the *Centre Region Act 537 Sewage Facilities Plan*, which approved the expansion of the UAJA's SCPCF to 6.0 MGD, with condition that a study be completed to select the preferred alternative to provide sewage treatment capacity for the Centre Region's projected needs beyond 6.0 MGD. Additionally, in 1991, the PA Department of Environmental Protection (DEP) issued a National Pollutant Discharge Elimination System (NPDES) permit to the UAJA that imposed effluent temperature limits on the discharge to Spring Creek. While a 316(a) temperature study for Spring Creek was conducted, the UAJA and the Centre Region municipalities proceeded with efforts to complete the wastewater alternatives study.

The wastewater alternatives study was published in 1996, identifying and evaluating 13 alternatives to meet the future needs of the community, and was reviewed by the Centre Region's municipal planning commissions and elected officials. Then, in 1997, an additional report was published describing the beneficial reuse alternative, bringing the total number of alternatives evaluated by the Centre Region to 14. The 316(a) temperature study was completed in 1998, and concluded that a variance on temperature limits should be granted for discharge flows up to 6.0 MGD. Following the municipal review process, the Centre Region Council of Governments (COG) General Form endorsed the beneficial reuse alternative.

In 1999, the Centre Region municipalities prepared a revision to the *Centre Region Act 537 Sewage Facilities Plan* recommending the abandonment of the Ferguson Township Authority Plant. The plan revision recommended that the flow from the Pine Grove Mills area be piped to the UAJA system for treatment. To ensure consistency with the *Centre Region Comprehensive Plan*, the line conveying the flow from the Pine Grove Mills area to the UAJA line along West College Avenue was designated as a conveyance line, and it was indicated at that time that no connections would be permitted to this conveyance line. The plan revision was subsequently adopted by all six Centre Region municipalities, and the Ferguson Township Authority Plant was abandoned and demolished, transferring the wastewater from the Pine Grove Mills area to the UAJA SCPCF for treatment.

The *2000 Centre Region Act 537 Sewage Facilities Plan Revision* identified the disposal alternatives for up to 3.0 MGD of wastewater effluent from the SCPCF that could not be discharged to Spring Creek. The majority of the alternatives proposed to dispose of the effluent water outside the Spring Creek Watershed. However, one alternative, the Beneficial Reuse Project, was identified that utilizes the effluent water for watershed management rather than strictly disposal. In addition to providing a valuable resource to businesses and industries in the area, this alternative also reduces nitrogen concentrations to help meet

Chesapeake Bay preservation requirements, and offsets environmental impacts of water withdrawal wells within the area.

In 2001, the hydraulic and organic capacity of the SCPCF was increased to 9.0 MGD and 22,500 lbs. BOD/day, respectively. Additionally, construction was initiated for the advanced water treatment facilities (microfiltration and reverse osmosis) and distribution line for the Beneficial Reuse Project (Phase 1).

A revision was made to the Sewer Service Area (SSA) near Pine Grove Mills in 2003. One area was added to the SSA, while another was removed to ensure that no increase in wastewater flow was generated by the plan revision. All six Centre Region municipalities adopted this revision.

The UAJA completed construction of Phase 1 for the Beneficial Reuse Project in 2005, with Phase 1A planned to begin the following year. Meanwhile, a draft update of the *Centre Region Act 537 Sewage Facilities Plan* was presented to the Centre Region COG.

The *2006 Centre Region Act 537 Sewage Facilities Plan Update* established an updated Regional Growth Boundary (RGB) and Sewer Service Area (SSA). The RGB and SSA are used to identify areas of the community where public sewer service will be provided in the future by the UAJA. The *2006 Plan Update* evaluated 26 areas requested for expansion, and ultimately identified five properties for addition to the RGB/SSA. A hydraulic model was created to evaluate the UAJA's collection and conveyance system and to identify interceptors or segments of interceptors having flow limitations. The adopted and approved *2006 Plan Update* identified deficiencies within the UAJA's sewage collection and conveyance system and presented a schedule and estimated costs for upgrading overloaded segments.

The *2006 Plan Update* also defined the reuse water distribution system to be implemented in three phases that were initially identified when the Beneficial Reuse Project was adopted in 2000. The *2006 Plan Update* states that the water produced from the Beneficial Reuse Project will be reused in the community for industrial, agricultural, and irrigation purposes and that the ultimate goal is to move the water back to the headwaters of the community where it can be used to replenish headwater streams, springs, and groundwater resources.

Additionally, the *2006 Plan Update* evaluated various topics such as the agreement between the UAJA and State College Borough for flow diversion, the proposal of a volumetric billing program, and the relative health of on-lot disposal systems in the Centre Region. A comprehensive, region-wide Sewage Management Plan, providing for regular pumping and routine inspection of all on-lot disposal systems in the community was implemented.

The *2009 Centre Region Act 537 Sewage Facilities Plan Amendment* further defined the appropriate structural solutions for the previously identified sewage collection and conveyance deficiencies in order to address the implementation of vital interceptor projects. The hydraulic model that was generated as part of the *2006 Plan Update* was recalculated using data collected through extensive field surveying during 2007. Through hydraulic modeling, it was determined that the majority of the Big Hollow Interceptor

could not safely convey predicted future peak flows. The adopted and approved *2009 Plan Amendment* ultimately recommended the construction of a diversion forcemain to the Big Hollow Interceptor.

Since the conclusion and adoption of the *2006 Plan Update* and the *2009 Plan Amendment*, the Centre Region has authorized several special studies in order to maintain a coordinated plan to guide future sewage facility decisions in the community.

The *2016 Special Study for the Pennsylvania State University (PSU) Water Reuse System* addressed the PSU's reclaimed water system, including the location of existing lines as well as future demand.

The *2017 Update for the Extension of Beneficial Reuse Water (UAJA) Lines to Harris Township* evaluated extending the UAJA's existing beneficial reuse water system into Harris Township to serve specific customers.

The *2018 Special Study to Upgrade the PSU University Park Wastewater Treatment Plant (WWTP)* identified the need to upgrade the existing WWTP in order to renovate and replace aged infrastructure, improve onsite safety and improve the treatment and energy efficiency of the facility. The six Centre Region municipalities adopted the 2018 Special Study following a public hearing in March 2018 at the COG General Forum meeting.

A Task Activity Report (TAR) for this *2020 Act 537 Sewage Facilities Plan Update: Special Study for the Scott Road Pump Station and Bristol Interceptor* was submitted to the DEP on May 28, 2019, with subsequent approval received on June 11, 2019.

A Task Activity Report (TAR) for the *2019 Act 537 Sewage Facilities Plan Update: Special Study for the Meeks Lane Pump Station Project* was authorized for submission to the DEP through the Centre Region Approval Process for Act 537 Plan Special Study Task Activity Reports. The TAR was submitted to the DEP on October 8, 2019 and was approved on October 16, 2019. The special study is being prepared.

2 PHYSICAL AND DEMOGRAPHIC ANALYSIS

2.1 Description of Current Sewer Service Areas

Since the mid-1970s, the Centre Region has implemented a series of policies that direct growth to areas where infrastructure exists in order to preserve prime agricultural lands, natural areas, and other sensitive environmental resources in the community. These growth management policies were used to establish the Regional Growth Boundary (RGB). In the early 1990s, the *Centre Region Act 537 Sewage Facilities Plan* was approved, which established the Centre Region's Sewer Service Area (SSA).

As part of the *2006 Plan Update*, the RGB and the SSA were brought into alignment and currently represent a cohesive boundary. Five of the Centre Region's six municipalities have land area within the RGB/SSA, with the exception being Halfmoon Township. The RGB/SSA has had a significant influence on the location of development in the Centre Region because it is used to direct growth to where it is believed to be most appropriate, while preserving the rural character of areas outside of the boundary.

Exhibit 2.A in Appendix A shows the current overall RGB/SSA in reference to the municipal boundaries of the Centre Region.

2.2 Identification of Planning Areas

The UAJA owns and operates the Scott Road Pump Station, located in Ferguson Township, which provides sanitary sewer conveyance from the Pine Grove Mills area as well as portions along SR 26 south of Whitehall Road. This Special Study identifies and evaluates alternatives for safely handling both existing and future wastewater flows associated with the area(s) currently served by the Scott Road Pump Station.

Therefore, the planning area generally consists of the Pine Grove Mills area (Ferguson Township) and portions of College and Harris Townships between the existing Scott Road Pump Station and the UAJA's existing collection system, as shown on Exhibit 2.B in Appendix A. The area(s) served by the Scott Road Pump Station is highlighted, which includes vacant lands within the SSA that could be developed in the future, which can be expected to contribute flow to the station.

Exhibit 2.C in Appendix A provides soils information including farmland classifications and Agricultural Security Areas within the project area. The major soil types in the area include Hagerstown silt loam (approximately 43%) and Opequon-Hagerstown complex (approximately 28%). Appendix E includes a detailed soils report for the project area.

Exhibit 2.D in Appendix A shows the geologic formations while Exhibit 2.E in Appendix A shows the topography of the project area. The Pine Grove Mills area is physically separated from the more urbanized areas in the Centre Region by an expanse of agricultural lands to the west, north, and east. Tussey Mountain provides a physical barrier south of the area.

The State College Borough Water Authority (SCBWA) serves the project area utilizing the following raw water sources:

- Slab Cabin Run: 7.3 MGD (All Sources Filtered)
 - Shingletown Gap Reservoir – 2.00 MGD, Peak
 - Harter Well Field – 2.50 MGD, Peak
 - Thomas Well Field – 3.37 MGD, Peak
- Nixon Well Field: 3.00 MGD
- Kocher Well Field: Not to Exceed 25% of Total Demand
- Chestnut Ridge Well Field: 1.01 MGD
- Alexander Well Field: 4.70 MGD
- Grays Woods Well Field: 3.88 MGD

The SCBWA water service area is shown on Exhibit 2.F in Appendix A, as well as the protection area for the relevant raw water sources in the project area. The data regarding water service areas (most recently updated October 12, 2019) and source water protection areas (most recently updated June 6, 2017) was accessed through Centre County’s GIS Department.

Waterways within the project area include Slab Cabin Run and Roaring Run, as well as various ponds and wetlands, as shown on Exhibit 2.G in Appendix A. The data regarding locations of wetlands within the project area was accessed through the U.S. Fish and Wildlife Service National Wetlands Inventory.

3 EXISTING SEWAGE FACILITIES

3.1 Description of Current Wastewater Collection and Conveyance Facilities

The UAJA owns and maintains a wastewater collection and conveyance system which is comprised of two major drainage basins, the Patton-Ferguson Township sub-basin which is lifted via the Big Hollow Pump Station located on Fox Hollow Road, and the College-Harris Township sub-basin which is lifted via the Main Pump Station located on Trout Road. Flows from State College Borough that are treated at the SCPCF are conveyed through the College-Harris drainage area.

The UAJA's collection and conveyance system currently consists of 18 lift stations ranging in capacity from 0.1 MGD up to 22.3 MGD, approximately 5,400 manholes, and approximately 250 miles of mainline sewer ranging in size from 8 inch diameter up to 36 inch diameter with various materials. The UAJA maintains a sewer-cleaning machine, portable flow meters, and TV inspection equipment. As a result, the collection and conveyance system is monitored, cleaned and repaired on a regular basis. In addition, the UAJA staff regularly performs manhole inspections, TV inspections and smoke/dye tests to identify problem sources. Consequently, the sewage facilities are in good condition.

Pine Grove Mills Collection

The Pine Grove Mills area has a population of approximately 1,500 people (2010 census). Wastewater generated from various residential and non-residential connections is collected through a series of service laterals and sanitary sewer lines. A small lift station known as the Piney Ridge Pump Station is located in the western-most section of the Pine Grove Mills sewershed. Wastewater from the Pine Grove Mills area then flows by gravity to the Scott Road Pump Station, located northeast of the community.

The Scott Road Pump Station also receives wastewater flow from connections along S.R. 26 near the intersection with Whitehall Road. The UAJA's *2018 Chapter 94 Report* indicated that the Scott Road Pump Station currently serves 1,129 EDUs.

The UAJA has historically experienced elevated peak flows at the Scott Road Pump Station from inflow and infiltration, and consequently has completed improvements including the replacement of over 10,000 linear feet (l.f.) of sanitary sewer line upstream of the pump station and numerous inspections and repairs in effort to reduce the impacts from stormwater. More specific line replacement and collection system repair information is included in Appendix B.

Scott Road Pump Station

The lift station was originally constructed in 2000 and consisted of duplex submersible pumps rated for 236 gallons per minute (gpm) at 175 feet total dynamic head (TDH). This pumping arrangement experienced recurring failures, and at times was not hydraulically sufficient. Consequently, the pump station was upgraded in 2007 to a series pumping system comprised of submersible pumps and dry pit pumps with a combined design rating of 510 gpm at 316 feet TDH. Each submersible pump conveys flow to a dry pit pump. With the upgrade, only one set of a pump combination is capable of operation at any given time (i.e. one submersible and one dry pit). The submersible pumps, located within the 8 foot diameter wet well and the dry pit pumps, located inside the building, are started and stopped with variable frequency drives; however, when operating, the pumps run at a constant speed.



Figure 3-1: Existing Wet Well and Valve Vault at the Scott Road Pump Station



Figure 3-2: Interior of the Existing 8 foot Diameter Wet Well



Figure 3-3: Exterior of Existing Scott Road Pump Station Building Structure



Figure 3-4: Interior of Existing Scott Road Pump Station, Dry-Pit Pumps



Figure 3-5: Interior of Existing Scott Road Pump Station, Control Equipment

Pump failure and high wetwell levels are called out through visual and audible alarms on the control panel, and the system has the capability to send alarm messages directly to the UAJA personnel. During times of power failure, the pumps run off of an emergency generator located outside of the building structure.

The existing pump station currently experiences hydraulic overload conditions during wet weather events. During peak events, influent flows exceed the capacity of the existing pump station, requiring the UAJA to pump wastewater from the wet well and transfer it by truck to the gravity connection point. The UAJA staff typically spends 6-8 hours performing bypass pumping during appreciable rain events. However, the

staff has reported events requiring up to 28 hours of bypass pumping. New development in the area and increased sewage flows coupled with aging infrastructure is projected exacerbate overload conditions. Rehabilitation of deficiencies identified within the upstream collection system have, for the time, eliminated the need for bypass pumping during comparable rain events.

Scott Road Pump Station – Forcemain

Approximately 6,300 l.f. of 6 inch diameter SDR 21 PVC forcemain was also constructed in 2000. From the time of the pump station upgrade in 2007 to mid-2015, the UAJA experienced multiple failures of the forcemain. An evaluation was conducted to determine if hydraulic conditions could be linked to the failures, the results of which indicated that under normal operating conditions, pressure surges were not evident. Moreover, surge calculations did not yield total pipe pressures considerably in excess of pipe pressure ratings. Circumferential cracking around the bell area suggested over insertion or over inflection during construction. Therefore, it was recommended that the portion of failing forcemain be replaced with 8 inch diameter C900 DR 14 PVC pipe. Approximately 825 l.f. of forcemain replacement was completed in 2016. Exhibit 3.A shows the existing forcemain alignment.

Bristol/Westerly Parkway Interceptor

The forcemain conveying wastewater flow from the Scott Road Pump Station discharges into manhole FT-FM located along Research Drive. Exhibit 3.B in Appendix A shows the existing downstream conveyance system. Wastewater then flows by gravity through an 8 inch PVC sanitary sewer line to manhole CA-6 located within the intersection of Research Drive and Cato Avenue. Wastewater continues to flow by gravity through the 8 inch PVC sanitary sewer lines following the alignment of Research Drive to manhole CA-1, then north to manhole WPI-23 located within Bristol Avenue. The subsequent section of wastewater conveyance consists of 12 inch PVC sanitary sewer line from manhole WPI-23 to manhole WPI-18, which is located within the intersection of Bristol Avenue and Ferguson Crossing Drive. From manhole WPI-18, 15 inch PVC sanitary sewer line continues eastward along Bristol Avenue to manhole WPI-17, then the alignment turns north behind S&A Homes Park and Haymarket Park, crossing Blue Course Drive, to manhole WPI-7 located within Westerly Parkway. The 15 inch conveyance line alignment then follows Westerly Parkway northeast to manhole WPI-4, where it then runs northwest to intersect the Struble Interceptor at manhole SIR-5-35.1.

The UAJA staff has witnessed backwatering of wastewater flows in manhole CA-1 when the Scott Road Pump Station is running. To address this issue and to ensure that the selected alternative for the Scott Road Pump Station will not cause hydraulic overload conditions in the downstream sewer system, a detailed evaluation of the Bristol/Westerly Parkway Interceptor section of the conveyance system was included as part of this Special Study.

A table outlining the estimated reserve capacity of the Bristol/Westerly Parkway Interceptor is included in Appendix B. Each sewer segment currently meets the minimum slopes for its associated pipe diameter as outlined in the PA DEP's *Domestic Wastewater Facilities Manual*. Additional flows from the 274 'future' EDUs associated with The Yards at Old State development, which is currently under construction along Whitehall Road, were considered to be existing flows for the purpose of this evaluation. Therefore, the

remaining capacity shown in Appendix B represent the available capacity for upgrades to the pump station and other future connections.

Exhibit 3.C in Appendix A shows the overall gravity conveyance flow path from the Scott Road Pump Station to the UAJA’s wastewater treatment plant. An evaluation of the Radio Park and Big Hollow Interceptors was performed in 2012, identifying the Big Hollow Trunk South as the most limiting downstream section. The reserve capacity was estimated to be approximately 1.3 million gallons per day (MGD) at the time. Assuming an addition of 200 EDUs per year, the UAJA’s planning flow rate of 175 gpd per EDU, and a peaking factor of 2.5 (estimated through the 2012 flow study), the current reserve capacity in the Big Hollow Trunk South is approximately 0.68 MGD. The Yards at Old State development is currently under construction near Whitehall Road, and when complete, an additional 274 EDUs will contribute wastewater to the interceptor. Therefore, for this Special Study, the most limiting downstream segment is considered to have a reserve capacity of approximately 0.56 MGD. This is a conservative estimate in that the UAJA’s 5-year annual average flow is 126 gpd per EDU, as reported in the *2018 Chapter 94 Report*.

For this Special Study, the UAJA performed CCTV inspection of the conveyance system from manhole WPI-23 to manhole SIR-5-35.1 (downstream of the Scott Road Pump Station). The reports for each sewer segment inspection are included in Appendix C. No observations of major defects were recorded during the inspection.

3.2 Description of Current Wastewater Treatment Facilities

The UAJA owns and operates the Centre Region’s primary wastewater treatment facility, the Spring Creek Pollution Control Facility (SCPCF), located partially in Benner Township and partially in College Township, Centre County, PA. Wastewater generated in five municipalities (Patton Township, Ferguson Township, College Township, Harris Township, and State College Borough) and a portion from the Pennsylvania State University is conveyed to the SCPCF through the collection and conveyance system consisting of gravity lines and pumping stations as previously described. In addition to wastewater, the facility accepts waste activated sludge from nearby treatment plants as well as septage.

The SCPCF has a design flow of 9.0 MGD and a 5-year annual average flow of approximately 5.3 MGD. The facility was originally built in 1969 and has been upgraded and expanded several times since then. The UAJA is permitted to discharge 6.0 MGD of treated wastewater effluent to Spring Creek. The Beneficial Reuse Project was implemented as a result of the *2000 Centre Region Act 537 Sewage Facilities Plan Revision* which identified and evaluated the disposal alternatives for the remaining 3.0 MGD of wastewater effluent that cannot be discharged to Spring Creek. The UAJA can effectively treat influent wastewater to a level that exceeds all current permit requirements (NPDES Permit No. PA0026239). The SCPCF contains the following liquid and solids unit processes:

Liquid Process Train

Headworks	Fine Screening, Flow Measurement and Grit Removal
Primary Clarification	Rectangular Chain and Flight Clarifiers
Biological Treatment	Biological Nutrient Removal with Aerobic and Anoxic Reactors

Secondary Clarification
 Flow Conveyance
 Tertiary Treatment
 Disinfection

Circular Rim-Feed Hydraulic Sludge Removal Clarifiers
 Intermediate Submerged Flow Pump Station
 Denitrification Filters and Chemical Addition
 Ultraviolet Light Disinfection

Solids Process Train

Primary Sludge Conveyance
 Waste Sludge Conveyance
 Septage Receiving
 Sludge Conditioning
 Sludge Dewatering
 Sludge Treatment

Air Operated Diaphragm Pumps
 Vertical Close-Coupled Centrifugal Pumps
 Screening and Sampling
 Sludge Holding and Polymer Addition
 Centrifugation
 In-Vessel Composting

Beneficial Reuse Process Train

Source Water
 Prescreening
 Water Conveyance
 First Stage Filtration
 Advanced Oxidation
 Second Stage Filtration
 Chemical Treatment
 Primary Disinfection
 Secondary Disinfection

Secondary Clarifier Effluent
 Wedge Wire Strainers
 Centrifugal Pumps
 Microfiltration
 Ozone
 Reverse Osmosis
 pH and Alkalinity Stabilization
 Ultraviolet Light Disinfection
 Sodium Hypochlorite Disinfection

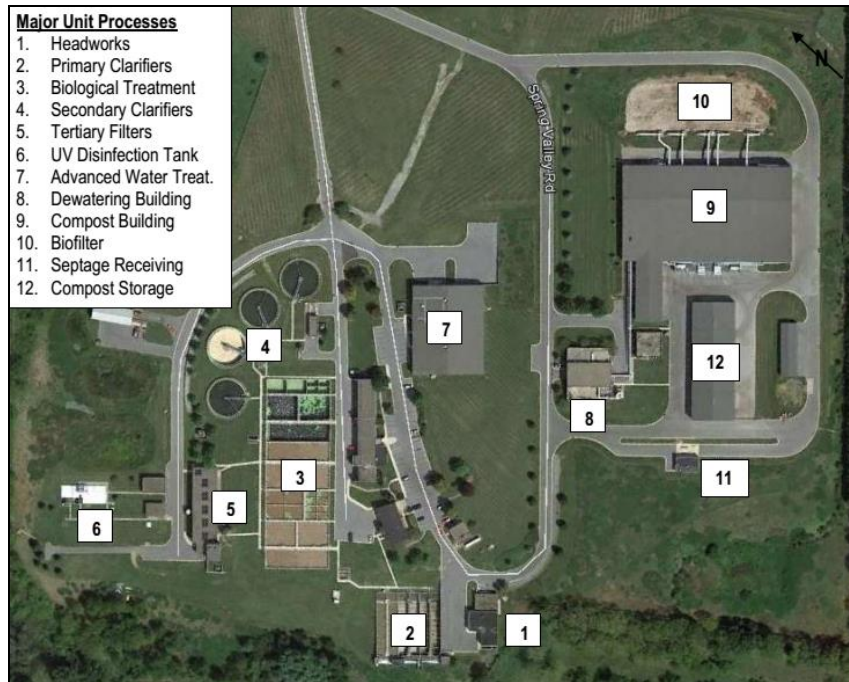


Figure 3-6: Aerial View of the SPCPF Illustrating the Facility Layout and Identification of Unit Processes
 (Image Source: Google earth)

3.3 Estimates of Wastewater Flows from Existing Customers

The Scott Road Pump Station serves existing customers in the Pine Grove Mills area and connections along S.R. 26 near the intersection with Whitehall Road, which includes a combination of residential and commercial users within the Centre Region’s RGB/SSA.

Influent flow and pumping rates at the Scott Road Pump Station were approximated during field visits on Wednesday June 19, 2019 (mid-day) and Monday February 2, 2020 (morning). Using wet well level fill and draw down observations, estimates of the average daily influent flow rate and the typical pump discharge rate were made (average influent flow during field visits: 291 gpm, average pumping rate during field visits: 748 gpm).

Flow meters were installed at four locations during the second half of 2019. Two meters were placed upstream of the Scott Road Pump Station and an additional two meters were placed downstream. The dates for which data was collected at these meter locations are listed in the following table.

Table 3.1: Collection System Flow Meter Locations and Deployment Dates

Meter Location	Measurement Periods
Manhole FT-23 (upstream, near College Ave, Slab Cabin Run)	11/27/2019 – 12/3/2019, 12/7/2019 – 12/17/2019
Manhole FT-19 (upstream, near Scott Rd, College Ave)	11/27/2019 – 12/17/2019, 12/24/2019 – 01/07/2020
Manhole WPI-14 (downstream, behind Haymarket Park)	06/28/2019 – 07/27/2019, 08/01/2019 – 09/09/2019
Manhole WPI-2 (downstream, near Madison St backlot)	06/28/2019 – 12/31/2019

Daily precipitation data, available through the National Oceanic and Atmospheric Administration (NOAA), at Station USC00368449: State College, PA US was evaluated to determine the severity of I/I in these segments of the collection system. Precipitation events that resulted in greater than one tenth of an inch of rainfall are listed in the following table.

Table 3.2: Notable Precipitation Events during Flow Meter Measurement Periods

Date	Inches	Date	Inches	Date	Inches	Date	Inches
July 3 rd	0.12	Aug 16 th	0.11	Oct 4 th	0.14	Dec 10 th	0.52
July 7 th	0.32	Aug 19 th	0.60	Oct 17 th	0.35	Dec 11 th	0.14
July 8 th	0.50	Aug 23 rd	0.15	Oct 23 rd	1.00	Dec 14 th	0.24
July 18 th	0.81	Aug 29 th	0.37	Oct 27 th	1.34	Dec 15 th	0.49
July 22 nd	0.36	Sep 2 nd	0.95	Oct 31 st	0.35	Dec 17 th	0.26
July 23 rd	0.11	Sep 12 th	0.51	Nov 1 st	1.28	Dec 30 th	0.40
July 31 st	0.23	Sep 15 th	0.13	Nov 8 th	0.23	Jan 4 th	0.28
Aug 6 th	0.33	Sep 27 th	0.19	Nov 24 th	0.85		
Aug 7 th	0.46	Oct 1 st	0.26	Nov 28 th	0.13		
Aug 8 th	0.31	Oct 3 rd	0.21	Dec 2 nd	0.58		

Upstream Flows, FT-23

The flow meter installed in manhole FT-23, upstream of the Scott Road Pump Station, near the College Avenue crossing of Slab Cabin Run, collected both depth and velocity data at 15 minute intervals. The

two values were then used to calculate the wastewater flow at each time interval. Hydrographs showing the daily flow at this location are included in Appendix C.

Wastewater flows measured at this meter location represent influent flows to the Scott Road Pump Station from the Pine Grove Mills area. The average flow during this period (November 27th to December 3rd and December 7th to December 17th) was approximately 90,700 gpd. A maximum flow of approximately 358,000 gpd occurred on December 14th at around 2:30 pm.

Upstream Flows, FT-19

The flow meter installed in manhole FT-19, upstream of the Scott Road Pump Station, near the intersection of College Avenue and Scott Road, collected both depth and velocity data at 1 minute intervals from November 27th to December 17th and at 15 minute intervals from December 24th to January 7th. The two values were then used to calculate the wastewater flow at each time interval. Hydrographs showing the daily flow at this location are included in Appendix C.

Wastewater flows measured at this meter location represent influent flows to the Scott Road Pump Station from the connections along S.R. 26 near the intersection with Whitehall Road. The average flow during the periods measured was approximately 870 gpd. A maximum flow of approximately 29,600 gpd occurred on December 14th at around 10:20 am.

Downstream Flows, WPI-14

The flow meter installed in manhole WPI-14, downstream of the Scott Road Pump Station, behind Haymarket Park, collected both depth and velocity data at 5 minute intervals. The depth and velocity values were then used to calculate the wastewater flow at each time interval. Hydrographs showing the daily flow at this location are included in Appendix C.

Wastewater flows measured at this meter location represent flows from the Scott Road Pump Station as well as from additional connections that contribute wastewater to the gravity conveyance system between the forcemain discharge and manhole WPI-14. The average flow during this period (June 28th to July 27th and August 1st to September 9th) was approximately 164,000 gpd. A maximum flow of approximately 1.02 MGD occurred on August 18th at around 5:30 pm.

Peaks in flow can be clearly observed, indicating the times at which the Scott Road Pump Station was discharging wastewater flow to the conveyance system. The influence of I/I was especially apparent on July 18th and September 2nd, during which the State College area received approximately 0.81 inches and 0.95 inches of rain, respectively. The total number of peaks (i.e. number of pump station starts) on these two days were 91 and 107, respectively. In comparison, an average total number of peaks of 73 was observed on dry days.

Between manhole FT-FM (forcemain discharge location) and WPI-14 (flow meter location), an additional 1086.5 EDUs currently contribute wastewater flow to the gravity conveyance system. An estimated flow per EDU was calculated by dividing the base flow values by the number of contributing EDUs. The overall average flow per EDU from June 28th to September 9th was 112 gpd/EDU. For reference, the

average flow per EDU on July 18th and September 2nd (two rainiest days) was 128 gpd/EDU and 153 gpd/EDU, respectively.

Downstream Flows, WPI-2

The flow meter installed in manhole WPI-2, downstream of the Scott Road Pump Station, near the Madison Street backlot, collected only depth data throughout its deployment (June 28th to December 31st). A reading was collected every minute until the morning of July 1st, when from then on a depth reading was collected every 10 minutes. Since this meter did not collect velocity data, Manning's equation was used to calculate the approximate wastewater flow at each time interval based on the depth data collected and the slope of the upstream sewer segment.

This estimated flow data was analyzed to check for any hydraulic overloads in the furthest downstream section of the Westerly Parkway Interceptor – no overloads were observed. Hydrographs showing the estimated daily flow at manhole WPI-2 are included in Appendix C. The average flow during this period (June 28th to December 31st) was approximately 440,000 gpd. A maximum flow of approximately 1.46 MGD occurred on November 28th at around 12:20 pm.

4 FUTURE GROWTH AND DEVELOPMENT

4.1 Summary of Municipal and County Planning Documents

Zoning Districts and Land Use Plans

Exhibit 4.A in Appendix A shows the various zoning districts within the project area.

The Ferguson Township zoning map, included in Appendix A, was updated and signed on January 21, 2019. The existing Scott Road Pump Station is located within the Rural Agricultural District. The existing forcemain alignment traverses the Rural Agricultural, General Commercial, and the Light Industry, Research and Development Districts. The existing Bristol/Westerly Parkway Interceptor alignment traverses the Planned Residential, Two Family Residential, and Single Family Residential Districts.

College Township's zoning map, included in Appendix A, was last amended on February 15, 2018. The project area for which alternatives identified as part of this Special Study may traverse include lands located in the Agricultural and Single Family Residential Districts.

Harris Township's zoning map, included in Appendix A, was adopted on March 14, 2016. The project area for which alternatives identified as part of this Special Study may traverse include lands located in the Agricultural and Single Family Residential Districts.

Exhibit 4.B in Appendix A shows the existing county level land use classifications within the project area.

Floodplain and Stormwater Management

§27-801 of the Ferguson Township Municipal Code, §200-30 of the College Township Municipal Code, and §12-7.1 of the Harris Township Municipal Code provide standards for development and land uses within floodplains. Structures within floodplains are generally prohibited, however essential services which includes water and wastewater infrastructure are permitted within floodplain areas, provided such facilities are designed and built to minimize and eliminate flood damage and infiltration.

§26 of the Ferguson Township Municipal Code, §175 of the College Township Municipal Code, and §13 of the Harris Township Municipal Code provide standards for stormwater management. Disturbance within the project area will need to comply with the Townships' stormwater management requirements.

County and Regional Plans

Long range comprehensive land use planning for Ferguson, College, and Harris Townships is provided in the *Centre Region Comprehensive Plan*, which is a multi-municipal plan as defined by Section 107 of the Pennsylvania Municipalities Planning Code. This plan was most recently updated and adopted by the six Centre Region municipalities in November 2013. Future planned land use classifications within the project area are generally equivalent to that of existing land use.

The *Centre Region Comprehensive Plan* provides an overview of long range planning goals for the Centre Region's municipalities, including where the majority of future growth should be provided for. The plan includes a regional growth boundary (RGB), which identifies where urban densities will be

supported through appropriate zoning, infrastructure, and public services, including public sewer. The RGB is coterminous with the Centre Region Act 537 Plan's Sewer Service Area (SSA). Future growth in areas of the Centre Region located outside of the RGB/SSA are planned to develop at densities that utilize on-lot disposal methods. There are no current plans to expand the RGB/SSA at this time.

The *Centre Region Comprehensive Plan* includes numerous policies to ensure the logical provision and extension of public sewer service, and to ensure that adequate wastewater conveyance and treatment is available for future growth within the RGB/SSA.

The *Centre County Comprehensive Plan* is a guiding document for land use and development regulations. Phase 1 was completed in 2003, although the County is continuously identifying implementation strategies which are published as updates. The *Centre County Comprehensive Plan* is generally consistent with the policies contained in the *Centre Region Comprehensive Plan*.

4.2 Evaluation of Potential Future Connections

The alternatives outlined in this Special Study pertaining to the Scott Road Pump Station will need to ultimately provide wastewater conveyance for both existing and future customers, which will be a combination of residential and commercial users within the RGB/SSA. As previously discussed in Chapter 3, the Scott Road Pump Station currently serves 1,129 EDUs, located in the Pine Grove Mills area and along S.R. 26 near the intersection with Whitehall Road.

The number of future connections was projected based on available land development plans and on information presented in the Centre Region Planning Agency's (CRPA) *2017 Regional Development Capacity (REDCAP) Report*, which is an analysis of the potential development capacity within the RGB/SSA.

The CRPA utilized the most recent tax parcel data for the Centre Region in order to develop an updated list of vacant and underutilized properties. Some properties were assumed unlikely to ever be developed and therefore were removed from the list; these included:

- Parks, open space, or other areas specifically designated for recreational use
- Stormwater basins
- Cemeteries
- Undeveloped lots adjacent to developed lots under the same ownership that are actively maintained – these lots are often being utilized as lawn areas for the adjacent property, and overall do not substantially influence dwelling unit counts of sewage flows
- Parcels mostly or entirely within wetlands, floodplains, or containing steep slopes of 25% or greater

The CRPA then classified each property from the vacant land inventory into one of three categories: properties with approved development plans, properties with proposed development plans, and properties with no development plans. Exhibit 4.C in Appendix A shows the properties within the project area, which were included in the *REDCAP Report's* vacant land inventory, and can be anticipated to contribute wastewater flow to the Scott Road Pump Station based on topography and the layout of existing facilities.

The entirety of the vacant lands within the Pine Grove Mills area are currently zoned for Single Family Residential development. For the REDCAP Report, the potential development capacity for residential parcels was based on the existing zoning regulations. To account for the potential full buildout of each property, the maximum permitted dwelling unit density of the zoning district was applied to the buildable area of each residential parcel. Based on this methodology, an additional 299 EDUs could be developed on vacant parcels within the SSA in the Pine Grove Mills area.

The identified vacant lands located along S.R. 26 (Harner Farm properties) were zoned for Rural Agricultural development when the REDCAP Report was completed in 2017, as is shown on Exhibit 4.A. However, two of the frontage properties were re-zoned in June 2018 to General Commercial and Single Family Residential, as is shown on the updated Ferguson Township Zoning Map. For the REDCAP Report, the potential development capacity for non-residential parcels was estimated based on the maximum lot coverage, building height, and/or floor area ratio of the zoning district. The UAJA assumes that the average commercial structure produces one EDU per 3,000 square feet; this value was then applied to the buildable area of each non-residential parcel. For this Special Study, the CRPA estimated updated numbers for these properties utilizing proposed and conceptual land development plans (Whitehall Road Sheetz, Harner Farm Subdivision, and Orchard View) and the REDCAP Report methodology for non-residential parcels without current development proposals; an additional 207 EDUs could be developed on vacant lands within the SSA along S.R. 26.

Residences in the Corl Acres neighborhood located in the southwest corner of the SSA in Ferguson Township are currently served by on-lot sewage disposal systems. If the UAJA's collection system is extended to serve this neighborhood in the future, it is anticipated that the properties would then contribute wastewater flow to the Scott Road Pump Station. No sanitary surveys of the on-lot systems were completed as part of this Special Study. The REDCAP Report identified seven vacant parcels in this area. Based on the number of existing homes in the neighborhood and the REDCAP Report methodology for residential parcels, an additional 96 EDUs could be developed within the SSA in the Corl Acres area. There was no evaluation of structural alternatives to provide public sewer service to these EDUs for this Special Study.

Therefore, a total of 602 EDUs could be developed in the future which can be reasonably expected to contribute wastewater flow to the Scott Road Pump Station.

Vacant lands along and near the Bristol/Westerly Parkway Interceptor on which future connections to the system would likely contribute wastewater flow to the immediate downstream gravity conveyance sewer were identified based on the CRPA's REDCAP Report. Improved properties developed on these vacant lands are expected to connect to the system downstream of the Bristol/Westerly Parkway Interceptor's most limiting segments (reserve capacities outlined in Appendix B). Additional flows from the 274 'future' EDUs associated with The Yards at Old State development, which is currently under construction along Whitehall Road, were considered to be existing flows for the purpose of this evaluation.

5 ALTERNATIVES FOR WASTEWATER CONVEYANCE

5.1 Summary of Conveyance Alternatives Considered

As discussed in Chapter 3, the existing facilities currently experience hydraulic overload conditions. These issues, coupled with the anticipated growth within the SSA that was evaluated in Chapter 4, necessitate thoughtful planning in order to provide adequate sewage disposal needs for the area. The major goal of this Special Study is to provide a recommended alternative for safely conveying both existing and projected wastewater flows contributed by connections tributary to the existing Scott Road Pump Station.

The major alternatives for the Scott Road Pump Station include the following:

- 1: Increase the capacity of the pump station and forcemain.
- 2: Construct a wet weather and peak flow equalization tank.
- 3: Construct a community on-lot disposal system.
- 4: Construct a gravity conveyance system and eliminate the pump station.

The downstream section of conveyance, namely the Bristol/Westerly Parkway Interceptor, was also evaluated in order to prevent any hydraulic overload conditions as a result of the recommended pump station alternative. These minor alternatives generally include increasing the capacity of the overloaded sewer segments by increasing the diameter or by modifying the slope, and constructing a gravity relief sewer. The minor alternatives for the Bristol/Westerly Parkway Interceptor differ based on the resultant flows from each of the major pump station alternatives.

5.2 Development of Pump Station, Equalization, and Piping Alternatives

As part of the *2006 Plan Update*, a hydraulic model was created to evaluate the UAJA's collection and conveyance system. A separate hydraulic model was later developed and updated for the beneficial reuse water system. The sanitary sewer system model was partially updated for the *2009 Plan Amendment* to evaluate the Big Hollow Interceptor. The reuse water system model was partially updated for the *2017 Update* to evaluate extending the system into Harris Township. For this Special Study, the hydraulic model was partially updated, focusing solely on the Scott Road Pump Station, forcemain, and the Bristol/Westerly Parkway Interceptor, and used to develop and evaluate potential alternatives.

Specific modeling results are discussed in the following sections and are included in Appendix D. Sewer segments that were identified to have flows of 80% or greater of their full flow capacity are shown in red text with grey shading. The base sewer model is comprised of the existing downstream gravity conveyance section from manhole FT-FM (current forcemain discharge location) to manhole SIR-5-34 (Struble Interceptor). Flow results from the base model are shown in Table D.1 in Appendix D; the backwatering of wastewater in manhole CA-1 that the UAJA has reported is further reinforced by the results of the base model.

Alternative 1: Pump Station (PS) and Forcemain (FM) Upgrades

The first major alternative is to upgrade the Scott Road Pump Station to have the capacity to serve both existing and future connections. Existing wastewater flows were discussed in Chapter 3, and potential

future connections were discussed in Chapter 4. Based on these estimations, the Scott Road Pump Station will ultimately serve approximately 1,731 EDUs. Utilizing the UAJA's planning value of 175 gpd/EDU, average wastewater flows are projected to be approximately 0.303 MGD. Applying a peaking factor of 3.95 (calculated based on flow meter data), the pump station will need to be able to safely handle flows up to approximately 1.197 MGD.

Therefore, a design pumping rate of 830 gpm was selected for this alternative. This alternative includes the abandonment of the current submersible to dry-pit series pumping layout. The new pump station would be designed following the UAJA's updated Standard Specifications, which generally consists of duplex submersible pumps within a wet well, followed by a valve vault, then forcemain discharge. In order to provide a holding period not to exceed 10 minutes for the maximum monthly average flow, the UAJA will need to replace the existing 8 foot diameter wet well with a 12 foot diameter wet well. In addition, in order to maintain velocities between 2 feet per second (fps) and 5 fps, the UAJA would also need to increase the size of the entire forcemain to 10 inch diameter.

Table D.2 in Appendix D shows modeled flow results in the existing downstream gravity sewer segments when the design pumping rate of 830 gpm is discharged to manhole FT-FM. This design rate represents the flow rate of the pump station with one submersible pump running. While the UAJA typically prefers a pump station to operate in lead/lag configuration, the ability to run both pumps simultaneously is necessary for emergency situations. Modeled flow results in the existing downstream gravity sewer segments when an estimated dual pump rate of 1100 gpm is discharged to manhole FT-FM are presented in Table D.3 in Appendix D.

With the dual pump flow representing the worst-case scenario for this major alternative, the sewer model was calculated with various modifications to the downstream gravity sewer segments, as shown in Tables D.4 through D.7 in Appendix D. Three technically feasible alternatives were generated based on the sewer model results. All three of these alternatives generally involves the replacement of the existing wet well, installation of two new submersible pumps, and forcemain replacement, as shown in Exhibit 5.A in Appendix A. The existing dry-pit pumps inside the pump house would be removed and site piping would be re-routed. It was assumed that new control equipment and emergency generator would be purchased and installed for the proposed pump station upgrades, and that the UAJA would purchase a third submersible pump to keep on hand as a spare.

Alternative 1-A: PS and FM Upgrades with Increased Diameter Downstream

Based on results from the sewer model, increasing the capacity of the downstream gravity sewer segments within Research Drive and Bristol Avenue by increasing the diameter of the pipes (Table D.5) would alleviate potential future overload conditions. Alternative 1-A includes the previously described pump station and forcemain upgrades, along with the replacement of approximately 2,900 l.f. of sanitary sewer within Research Drive and Bristol Avenue, as shown in Exhibit 5.B in Appendix A.

Alternative 1-B: PS and FM Upgrades with Modified Slope Downstream

Another way to increase the capacity of the downstream gravity sewer segments is to increase the slope.

In this minor alternative, the existing sections of 8 inch and 12 inch PVC piping would be removed and replaced with new PVC piping of the same size, at a modified slope.

Based on contour data available through the Pennsylvania Spatial Data Access (PASDA) for existing topography and the UAJA's GIS records for existing invert elevations, the depth of ground cover appears adequate to allow for adjustment of the slope of the sewer segments from manhole FT-FM to manhole CA-4. However, the ground cover upstream of manhole CA-2 is near the minimum to prevent freezing, and so in order to increase capacity of the sewer segments from manhole CA-2 to manhole WPI-21 by increasing the slope of the alignment, sewer depths would need to be increased downstream, as far as manhole WPI-18 (sewer model results in Table D.6).

Alternative 1-B includes the previously described pump station and forcemain upgrades, along with the replacement of twelve sections of sanitary sewer (approximately 2,600 l.f.) within Research Drive and Bristol Avenue, as shown in Exhibit 5.C in Appendix A.

Alternative 1-C: PS and FM Upgrades with Forcemain Extension

In this alternative, the forcemain would be extended such that flows from the Scott Road Pump Station, which currently discharge at manhole FT-FM, would be pumped further downstream to a new discharge point, thus alleviating surcharge events and hydraulic overload situations (sewer model results in Table D.7 in Appendix D).

Alternative 1-C includes the previously described pump station and forcemain upgrades, along with construction of approximately 3,300 linear feet of 10 inch diameter forcemain. A preliminary layout was defined based on utility location data in the area gathered from a PA One Call. The alignment of the forcemain would generally extend from the current forcemain discharge point, continue parallel to Research Drive to the northern side of Bristol Avenue, then turn east until finally connecting to the existing 15 inch sanitary sewer segment between manholes WPI-17 and WPI-16 (behind S&A Homes Park), as shown in Exhibit 5.D in Appendix A.

Alternative 2: Equalization Tank

Flow equalization is a method used to dissipate peak hydraulic loadings by temporarily diverting wastewater flows to a storage tank. This major alternative would not include any modifications to the capacity and/or layout of the existing pump station. The tank would receive wastewater from the collection system tributary to the existing Scott Road Pump Station during peak flow periods and store the material until it can be pumped to the gravity connection point.

The UAJA staff typically spends 6-8 hours performing bypass pumping during appreciable rain events. However, the staff has reported events requiring up to 28 hours of bypass pumping. At the estimated future peak flow of 1.197 MGD, excess flows to the storage tank are estimated to be approximately 83 gpm (existing pump station flow subtracted from future peak flow). For the worst-case scenario, a necessary retention time in the equalization tank was assumed to be 30 hours, requiring a storage volume of approximately 150,000 gallons. Mixing/aeration equipment would be required to alleviate the accumulation of sludge and grit, and to minimize malodors. A supplemental pump station would also be

required on site in order to convey the excess flows from the existing wet well to the equalization tank. It was assumed that new control equipment would be purchased and installed for the supplemental pump station, and that the UAJA would purchase a third submersible pump to keep on hand as a spare. Exhibit 5.E in Appendix A shows a general site layout for Alternative 2.

Alternative 2-A: Equalization Tank with Increased Diameter Downstream

Flow results from the base model, Table D.1 in Appendix D, indicate that at the existing flow from the Scott Road Pump Station, hydraulic overload conditions occur in the 8 inch sewer segments from manhole CA-2 to WPI-23. The capacity of these segments can be increased by replacing the segments with larger diameter pipes (sewer model results in Table D.8). Alternative 2-A involves the previously described equalization tank and supplemental pump station construction, as well as the replacement of approximately 320 l.f. of sanitary sewer within Research Drive and Bristol Avenue, as shown in Exhibit 5.F in Appendix A.

Alternative 2-B: Equalization Tank with Modified Slope Downstream

Based on contour data available through the PASDA for existing topography and the UAJA's GIS records for existing invert elevations, the ground cover upstream of manhole CA-2 is near the minimum to prevent freezing, and so in order to increase capacity of the sewer segments from manhole CA-2 to manhole WPI-23 by increasing the slope of the alignment, sewer depths would need to be increased downstream, as far as manhole WPI-20 (sewer model results in Table D.9). Alternative 2-B involves the previously described equalization tank and supplemental pump station construction, as well as the replacement of approximately 1,220 l.f. of sanitary sewer within Research Drive and Bristol Avenue, as shown in Exhibit 5.G in Appendix A.

Alternative 3: Community On-Lot Disposal System

This alternative represents the diversion of wastewater flows in excess of the existing Scott Road Pump Station capacity to a community on-lot sewage disposal system (COLDS). The Ferguson Township Municipal Code defines COLDSs as any sanitary sewage treatment and disposal systems which treats and disposes of sewage generated from two or more EDUs by utilizing a subsurface absorption bed or land application. The preliminary design of this alternative was based on Chapter 73 of PA Code Title 25.

For design flows greater than 10,000 gpd, a safety factor of 1.5 is required. Therefore, the septic tank capacity required for this major alternative would be approximately 180,000 gallons (existing pump station flow subtracted from future peak flow, multiplied by 1.5), providing a retention time of 36 hours. The PA DEP considers a COLDS with a design capacity to discharge subsurface sewage flows which are in excess of 10,000 gpd to be a large volume on-lot sewage system, and thus requires Part II Permitting. At this stage, it was assumed that multiple baffled precast concrete tanks would be purchased and installed underground to make up the total septic tank volume. For example, an individual precast tank volume of 9,400 gallons would require approximately 19 units. Effluent from the septic tank(s) would flow by gravity to pump station(s), for uniform dosing of the drain field(s). A soil percolation rate of 6-15 minutes per inch was assumed, and therefore an absorption area of 140,000 square feet would be required. The drain field would likely be divided into two or more smaller areas, each requiring its own dosing pump station. A general layout for Alternative 3 is shown in Exhibit 5.H in Appendix A.

With this major alternative, the existing Scott Road Pump Station would continue to operate under its existing conditions. Alternatives 3.A and 3.B are similar to Alternatives 2.A and 2.B, respectively, for the modifications to the downstream conveyance segments within Research Drive and Bristol Avenue. The major difference between Alternative 2 and Alternative 3 is the method in which excess flows from the existing pump station will be handled.

Alternative 3-A: COLDS with Increased Diameter Downstream

Flow results from the base model, Table D.1 in Appendix D, indicate that at the existing flow from the Scott Road Pump Station, hydraulic overload conditions occur in the 8 inch sewer segments from manhole CA-2 to WPI-23. The capacity of these segments can be increased by replacing the segments with larger diameter pipes (sewer model results in Table D.8). Alternative 3-A involves the previously described large volume septic system construction, as well as the replacement of approximately 320 l.f. of sanitary sewer within Research Drive and Bristol Avenue, as shown in Exhibit 5.I in Appendix A.

Alternative 3-B: COLDS with Modified Slope Downstream

Based on contour data available through the PASDA for existing topography and the UAJA's GIS records for existing invert elevations, the ground cover upstream of manhole CA-2 is near the minimum to prevent freezing, and so in order to increase capacity of the sewer segments from manhole CA-2 to manhole WPI-23 by increasing the slope of the alignment, sewer depths would need to be increased downstream, as far as manhole WPI-20 (sewer model results in Table D.9). Alternative 3-B involves the previously described large volume septic system construction, as well as the replacement of approximately 1,220 l.f. of sanitary sewer within Research Drive and Bristol Avenue, as shown in Exhibit 5.J in Appendix A.

Alternative 4: Gravity Conveyance

The UAJA's collection and conveyance system is comprised of two major drainage basins, the Patton-Ferguson Township service area and the College-Harris Township service area. Currently, wastewater from the Pine Grove Mills area and from connections along S.R. 26 is conveyed by use of the Scott Road Pump Station to the Bristol/Westerly Parkway Interceptor; in the Patton-Ferguson sub-basin.

The Slab Cabin Interceptor serves portions of College and Harris Townships and transfers flow to the Puddintown Interceptor near the Millbrook Marsh. Alternative 4 generally involves the construction of a gravity based sanitary sewer to convey wastewater flows from the collection system tributary to the existing Scott Road Pump Station to the existing Slab Cabin Interceptor. The existing pump station and forcemain facilities would then be abandoned, effectively transferring the wastewater flows from the Pine Grove Mills area from the Patton-Ferguson sub-basin to the College-Harris sub-basin. With this major alternative, the potential for hydraulic overload in the Bristol/Westerly Parkway Interceptor would be eliminated.

The alignment of the gravity system would generally be parallel to Slab Cabin Run from manhole FT-24 (upstream from the existing Scott Road Pump Station, east of S.R. 26) to manhole ICS-5C-20 (south of Atherton St, near CVS), as shown in Exhibit 5.K in Appendix A. Based on the UAJA's GIS data, these two manholes are set at invert elevations of 1105.37 and 1026.83, respectively. The length of gravity

sewer based on a preliminary alignment would be approximately 19,300 feet, corresponding to an overall slope of 0.41%. Manholes would be installed at all changes in alignment, in slopes and at distances no greater than 400 ft. Therefore, in order to maintain a minimum velocity of 2 fps and to convey the estimated future peak flows, the gravity conveyance alternative would require a diameter of 12 inches.

5.3 No Action Alternative

The no action alternative represents a situation in which the UAJA does not upgrade or alter the existing facilities in any way. This was determined not to be a feasible alternative considering the existing issues experienced with the facilities which pose potential health and environmental dangers as well as limit the growth and development in the area.

The UAJA maintains multiple crews dedicated to the operation, maintenance, and rehabilitation of the collection and conveyance system. These crews routinely monitor the system for evidence of I/I and make repairs as needed. Regardless of the alternative selected, the UAJA crews will endeavor to remove and prevent I/I within the service area.

6 EVALUATION OF ALTERNATIVES

6.1 Consistency Evaluation

The technically feasible alternatives identified in Chapter 5 were evaluated for consistency with respect to the following:

- Clean Streams Law
- Clean Water Act
- Corrective Action Plans/Annual Reports
- Comprehensive Plans
- Anti-degradation Requirements
- State Water Plans
- PA Prime Agricultural Land Policy
- County Stormwater Plans
- Wetland Protection
- Source Water Protection
- Protection of rare, endangered or threatened species
- Historical and archaeological resource protection

Clean Streams Law

The Pennsylvania Clean Streams Law, enacted in 1937, is the main law designed to preserve and improve the purity of the waters of the Commonwealth. The implementation of any alternative resulting from the recommendations of this Special Study would involve detailed engineering design as well as proper permit authorizations prior to construction and as such, would not conflict with the Clean Streams Law.

Clean Water Act

The Clean Water Act is a U.S. federal law that regulates the discharge of pollutants into the nation's surface waters. The implementation of any alternative resulting from the recommendations of this Special Study would involve detailed engineering design as well as proper permit authorizations prior to construction and as such, would not conflict with the Clean Water Act.

Corrective Action Plans or Annual Reports

The UAJA is not currently involved with any Corrective Action Plans relevant to this Special Study. The UAJA completes an annual report under PA Code Chapter 94, Municipal Wasteload Management. The purpose of these regulations is to provide adequate conveyance and treatment for future needs and to prevent sewage facilities from becoming overloaded, etc. The UAJA's *2018 Chapter 94 Report* was used in the development of the alternatives.

Comprehensive Plans

Subsequent to the DEP approval of the Task Activity Report for this Special Study, the CRPA specifically requested that the UAJA not consider a gravity conveyance system (Alternative 4), on the basis that the alternative conflicts with the *Centre Region Comprehensive Plan*, which identifies a number of land use, environmental, public services, and sustainability goals, objectives, and policies that guide development in the Centre Region.

One example of a potential conflict with Alternative 4 and the *Centre Region Comprehensive Plan* is Policy 2.1.5: Locate future growth areas to avoid adverse impacts on identified source water protection areas for public water suppliers. Another example is Policy 7.1.2: Support the efforts of public, private,

and nonprofit organizations to preserve agricultural areas in the Region through dedicated conservation easements.

The gravity sewer would traverse an area that contains many large tracts that are preserved in perpetuity from development, contains highly productive State College Borough Water Authority drinking water wells, and is not expected to see development to the extent that would ever warrant public sewer.

Note that implementation of Alternative 4 would include the construction of a conveyance line only, and not the proposition of any future growth and development located along its alignment. The UAJA, the State College Borough Water Authority, the College Township Water Authority, and the Centre Region Council of Governments have each signed the Source Water Protection Agreement, expressing joint commitment to protecting source waters. There are many conventional on-lot systems in the Slab Cabin Run Basin through which the conveyance line would likely traverse. Research has demonstrated that conventional on-lot sewage management systems are not very effective at treating certain contaminants commonly found in residential wastewater, such as pharmaceutical compounds and endocrine disruptors. If the conveyance line (Alternative 4) were to be selected as the preferred option, the existing on-lot systems could be eliminated by connection to the gravity sewer, thus reducing potential contamination to the area’s water supply sources.

The CRPA’s request letter dated June 26, 2019 and the UAJA’s response letter dated July 2, 2019 are included in Appendix H.

Anti-degradation Requirements

Anti-degradation requirements as contained in Chapters 93, 95 and 102 of the PA Code (relating to water quality standards, wastewater treatment requirements; and erosion and sediment control) will be considered during the detailed engineering design and best management practices will be implemented throughout construction of the recommended alternative(s).

State Water Plans

The Pennsylvania State Water Plan provides planning tools and guidance for those who make decisions that affect the Commonwealth’s water resources. Centre County is located within the Lower Susquehanna Planning Region. Any conflicts with the State Water Plan would be alleviated through detailed engineering design of the recommended alternative(s).

PA Prime Agricultural Land Policy

With the exception of Alternatives 3 and 4, implementation of each of the proposed alternatives would involve the disturbance of lands within the SSA that have been previously disturbed. Implementation of Alternative 4, only, would result in disturbance of lands designated as Agricultural Security Areas. All disturbed areas will be restored, and best management practices will be used during construction of the recommended alternative(s).

County Stormwater Plans

The implementation of the proposed alternatives would not cause a significant increase in stormwater runoff. Disturbance related to the project construction will comply with the Townships' stormwater management requirements. NPDES permits are required for construction sites equal or larger than one acre. The UAJA would acquire all applicable permits before earthwork begins.

Wetland Protection

Implementation of Alternative 4, only, would necessitate extensive wetland protection, as this alternative includes construction of a sewer alignment generally parallel to Slab Cabin Run. While the presence of wetlands alone does not eliminate the potential for the UAJA to implement Alternative 4, it would certainly increase the capital cost of construction.

Source Water Protection

The State College Borough Water Authority's Source Water Protection Program consists of both a Wellhead Protection Program for Wellfields 2, 4, 5, 6, and 7, and a Watershed Protection Program for Wellfields 1 and 3 and the Shingletown Reservoir. The UAJA, the State College Borough Water Authority, the College Township Water Authority, and the Centre Region Council of Governments have each signed the Source Water Protection Agreement, expressing joint commitment to protecting source waters.

Alternative 3 includes the construction of a community on-lot disposal system to manage peak flows through a series of tanks and a leach field system. The UAJA believes that on-lot disposal systems in karst geology should be avoided where possible and recommends that this alternative not be given further consideration due to the commitment to source water protection reflected in the Source Water Protection Agreement.

Protection of Rare, Endangered and Threatened Species

As the site specific alternatives are developed and evaluated during detailed design, potential environmental limitations will be considered. However, an initial assessment for the protection of rare, endangered, and threatened species was performed using the Pennsylvania Natural Diversity Inventory (PNDI). The final PNDI receipts (included in Appendix E) based on the project boundaries submitted included the following agency results:

- PA Game Commission (PGC): No Known Impact
- PA Department of Conservation and Natural Resources (DCNR): No Known Impact
- PA Fish and Boat Commission: No Known Impact
- U.S. Fish and Wildlife Service: No Known Impact

Historical and Archeological Resource Protection

Project Review Forms were submitted to the State Historic Preservation Office (SHPO) for an initial determination of how the project(s) will impact significant resources. The SHPO's response letter is included in Appendix D. Alternatives 1, 2, and 3 will have no effect on historic properties. Previously recorded archeological sites are located within or adjacent to the project area of Alternative 4. The SHPO states that these resources could be adversely affected by project activities and have not been evaluated

for their eligibility for listing on the National Register of Historic Places, and therefore a Phase 1 archaeological survey to relocate these known sites and locate other potentially significant sites within the project area of Alternative 4 would need to be conducted.

6.2 Economic Analysis

In order to evaluate the economic impacts of the alternatives, conceptual-level cost estimates were prepared. These costs include estimated capital construction costs, project costs, and, for major Alternatives 1, 2, and 3, annual operation and maintenance (O&M) costs. It was assumed that the construction work would generally be completed by the UAJA's collection and conveyance system staff, and as such, the estimated capital costs include quotes obtained from manufacturers as well as costs associated with labor and installation. The total project costs include the estimated construction costs as well as soft costs and a 15% contingency. O&M cost estimates for major Alternatives 1, 2, and 3 include the cost of electricity consumed by the pump station(s) as well as operating costs. The O&M cost estimate for Alternative 4 includes operating costs only. Appendix F contains detailed estimates for each alternative.

Soft costs, including engineering (design, permitting, and construction administration) and legal fees, were estimated based on a percentage (20%) of the estimated construction capital costs reflective of projected design complexity.

O&M costs were developed using the following (where applicable):

- Electricity: The UAJA's General Power Service cost averaged 6.10 cents per kWh from December 2018 to October 2019. However, in order to capture the overall cost of electrical service including capacity, transmission and miscellaneous charges, an electrical cost of 9 cents per kWh was used. This value was derived by calculating the average total monthly bill amount divided by the average monthly kWh used.
- 72 horsepower consumption by the proposed submersible pumps/controls, running an average of 20 minutes per hour for Alternative 1.
- Combined 70 horsepower consumption by the existing submersible and dry-pit pumps/controls, and 7 horsepower consumption by the proposed supplemental submersible pumps/controls, running an average of 20 minutes per hour for Alternative 2.
- For Alternatives 1 and 2, each pump station would require one system operator, approximately two hours per day performing general operation and maintenance.
- For Alternative 4, two system operators would spend approximately two days per year checking the gravity alignment and performing general operation and maintenance.

To compare the major alternatives justly, present worth estimates were completed. Present worth is the currently invested amount at a fixed rate that would provide exactly the funds required to make all future payments. A project life of twenty years and an interest rate of 2.50% were assumed.

No detailed field survey or investigations were conducted as part of this Special Study to confirm the accuracy of record drawings, to confirm the location of below grade utilities, or to confirm the site subsurface conditions. Additional analysis and evaluation of the proposed infrastructure will be required

during design of the system to fully develop the scope and extent of the facilities required to complete the work and identify site conditions that may impact the cost and schedule of the project. Table 6.1 presents a summary of the cost estimates developed for the Scott Road Pump Station alternatives.

Table 6.1: Summary of Major Alternatives' Costs Estimates and Present Worth Analysis

Alternative	Capital Cost	Annual O&M Cost	Annual O&M Present Worth	Total Present Worth
1: Pump Station and Forcemain Upgrades	\$ 1,743,000	\$ 28,710	\$ 447,562	\$ 2,191,000
2: Equalization Tank	\$ 1,111,000	\$ 44,290	\$ 690,439	\$ 1,801,000
3: Community On-Lot Disposal System	\$ 2,376,000	\$ 31,261	\$ 487,340	\$ 2,863,000
4: Gravity Conveyance	\$ 3,665,000	\$ 640	\$ 9,977	\$ 3,675,000

As discussed in Chapter 5, the implementation of Alternatives 1, 2, or 3 would require the additional implementation of one of the Bristol/Westerly Parkway Interceptor alternatives. Table 6.2 presents a summary of the cost estimates developed for the minor alternatives.

Table 6.2: Summary of Bristol/Westerly Parkway Interceptor Costs Estimates

Alternative	Capital Cost
1-A: (PS & FM Upgrades) Increased Diameter Downstream	\$ 775,000
1-B: (PS & FM Upgrades) Modified Slope Downstream	\$ 690,000
1-C: (PS & FM Upgrades) Forcemain Extension	\$ 342,000
2-A: (EQ Tank) Increased Diameter Downstream	\$ 93,000
2-B: (EQ Tank) Modified Slope Downstream	\$ 319,000
3-A: (COLDS) Increased Diameter Downstream	\$ 93,000
3-B: (COLDS) Modified Slope Downstream	\$ 319,000

Table 6.3 presents the combined costs of each major alternative with its associated lowest estimated capital cost Bristol/Westerly Parkway Interceptor alternative.

Table 6.3: Total Costs Estimates of Paired Alternatives

Alternative	Total Cost
1-C: PS and FM Upgrades with Forcemain Extension	\$ 2,533,000
2-A: EQ Tank with Increased Diameter Downstream	\$ 1,894,000
3-A: COLDS with Increased Diameter Downstream	\$ 2,956,000
4: Gravity Conveyance	\$ 3,675,000

Alternative 2, when paired with the efforts that will be necessary regarding the downstream gravity segments, represents the lowest total project costs. Alternative 1 represents the second lowest total cost. The UAJA plans to fund the project with capital reserves or acquire funding through the municipal bond market or a conventional bank loan.

6.3 Assessment of Greenhouse Gas Emissions

Another component considered in evaluating the pump station alternatives was the effects of greenhouse gas (GHG) emissions, which are integral to the understanding of a project’s impact and should be factored into the decision making process accordingly. The significance of GHG emissions from wastewater treatment plants has been increasingly acknowledged in recent years. It has been estimated that approximately 17 million tons of CO₂ equivalent GHG emissions per year are released during wastewater treatment in the United States, primarily from the biological processes taking place at treatment facilities, which release CO₂ and methane, as well as from the consumption of energy used to power lift stations (Center for Sustainable Systems, University of Michigan. 2019. “U.S. Wastewater Treatment Factsheet”. Pub. No. CSS04-14).

In addition, a recently published study demonstrated that emission of CO₂ and methane is extensively present in sewers (Jin, P., Gu, Y., Shi, X., & Yang, W. 2019. “Non-negligible greenhouse gases from urban sewer system”. *Biotechnology for biofuels*, 12, 100). The study included 3 years of monitoring an urban sewer system and concluded that approximately 0.22 kg of CO₂ equivalent GHG is emitted per day in every 10 meters of sub-main sewer pipe.

The potential amount of GHG emissions associated with each pump station alternative is outlined below. This evaluation also utilized the following data, which was developed specifically for the UAJA’s system (where applicable):

- 424 kg of CO₂ equivalent GHG emissions per 1,000 kWh of electrical usage
- 8.89 kg of CO₂ equivalent GHG emissions per gasoline gallon

Table 6.4: Potential Annual GHG Emissions, kg CO₂

Emission Source	Alternative 1	Alternative 2	Alternative 3	Alternative 4
Electricity Consumption	66,473	71,089	69,243	-
Gasoline Consumption	3,817	3,817	3,817	21
Sewer Generation	-	-	81,960	47,238
Annual Total:	70,290	74,907	155,020	47,259

The implementation of a gravity conveyance line to replace the Scott Road Pump Station could reduce greenhouse gas emissions by approximately 35% compared to Alternatives 1 and 2.

6.4 Operability

The final aspect to consider in evaluating the pump station alternatives is the overall operability of each conveyance option. An operability review insures quality and reliability from an O&M standpoint at this important early stage of a project.

The gravity conveyance system (Alternative 4) plainly represents the least labor intensive alternative. Subsequent to construction, the UAJA's collection system staff may spend two to three days annually, checking the alignment and performing general maintenance. Additionally, Alternative 4 does not include any mechanical or electrical equipment; whereas the failure of such equipment could cause a disruption to sewage conveyance.

Construction of an equalization tank and supplemental pump station (Alternative 2) would add complexity to the existing system, which is undesirable from an operator's perspective. The layout of the existing pump station is abnormal compared with the UAJA's typical pump station configurations. The majority of the UAJA's lift stations consist of duplex submersible pumps within a wet well that convey wastewater directly through a forcemain to the gravity connection point, whereas the Scott Road Pump Station consists of a series pumping system comprised of both submersible pumps and dry pit pumps. The implementation of a supplemental submersible pump station and flow equalization tank would increase the labor required by the UAJA's collection system staff to perform daily tasks and general O&M. The addition of mechanical and electrical equipment to the existing system also introduces another point in which failure of such equipment could cause a disruption to sewage conveyance.

Implementation of Alternative 1, would provide a decrease in labor required by the UAJA's collection system staff compared to both existing conditions and to Alternatives 2 and 3. The proposed pump station modifications would bring the Scott Road Pump Station into coherence with the UAJA's standard specifications for lift stations.

7 INSTITUTIONAL EVALUATION

7.1 Analysis of Existing Wastewater Treatment Authorities and Entities

The Centre Region consists of six municipalities located in the south-central portion of Centre County, Pennsylvania: College, Ferguson, Halfmoon, Harris, and Patton Townships and State College Borough. The Centre Region Council of Governments (CRCOG) is a voluntary association of these six municipalities that was established in 1969 to provide cost effective and high quality public services, including but not limited to regional planning, parks and recreation, emergency management, and recycling programs. The CRCOG website provides the following description:

“The Centre Region COG is governed by the General Forum, which is comprised of 32 elected officials from the six municipalities. In addition, there is a non-voting representative from Penn State University and a liaison from the local school district. Surprisingly, despite its large size, most General Forum votes are unanimous. In large measure, this consensus flows from the COG’s Committee system, which is designed to prepare recommendations to be developed on regional policy issues. Each municipality appoints one elected official to each of the COG Committees – Executive, Finance, Human Resources, Parks Capital, Public Safety, Public Services & Environmental, and Transportation & Land Use. Committee recommendations are presented in the form of a motion that provides a starting point for the General Forum’s discussions. If the issue is particularly “politically” charged, the Committee may refer the issue to the individual municipal Boards/Councils for comment. Municipal responses are considered by the Committee in preparing its recommendation.”

The CRCOG has tasked the UAJA with providing sanitary sewer service to the Centre Region, which includes collection, conveyance, treatment, and construction and maintenance of all related facilities.

8 RECOMMENDED TECHNICAL & INSTITUTIONAL ALTERNATIVE

8.1 Identification and Justification of Selected Alternative(s)

Based on the analysis outlined in Chapter 6, it is recommended to pursue the implementation of Alternative 1-C, which generally involves the replacement of the existing wet well, installation of new submersible pumps, and forcemain replacement and extension. This alternative addresses both existing and projected hydraulic overload conditions at both the Scott Road Pump Station and the downstream gravity conveyance system.

Although Alternative 1-C represents a higher capital cost over Alternative 2-A, upgrading the pump station and forcemain will provide improved operability through the modified configuration of pumping and controls to cohere to the UAJA’s standard specifications.

The UAJA will continue to own and operate the proposed pump station and its associated facilities. The UAJA will be responsible for complying with all applicable water quality standards and effluent limitations.

8.2 Preliminary Implementation Schedule

A general project schedule is outlined in the following table.

Table 8.1: Implementation Schedule

Milestone	Date
Submit Special Study to Municipalities/Planning Commissions (60-day Review)	June 2020
Begin Public Comment Period (30-day)	July 2020
Receive Municipal/Planning Comments, Conclude Public Comment Period	August 2020
Submit Revised Special Study to Municipalities/Planning Commission	September 2020
Present Special Study to CRCOG General Forum	September 2020
Adoption by Municipalities and CRCOG	October 2020
Submission of Special Study to PA DEP (120-day Review)	October 2020
Receive DEP Comments/Approval of Special Study	January 2021
Complete Preliminary Design	April 2021
Submit Permit Applications (WQM, NPDES)	May 2021
Complete Final Design	August 2021
Receive DEP Comments/Approval of Permits	August 2021
Begin Construction	September 2021
Project Completion	August 2022

RESOLUTION NUMBER 2020-20

A RESOLUTION OF THE TOWNSHIP OF FERGUSON, CENTRE COUNTY, PENNSYLVANIA (hereinafter the "Municipality") ADOPTING AN ACT 537 PLAN UPDATE.

WHEREAS, Section 5 of the Act of January 24, 1996, P.L. 1535, No. 537, known as the Pennsylvania Sewage Facilities Act, as amended, and the Rules and Regulations of the Department of Environmental Protection adopted thereunder, Chapter 71 of Title 25 of the Pennsylvania Code, requires the Municipality to adopt an Official Sewage Facilities Plan providing for sewage services adequate to prevent contamination of waters and/or environmental health hazards with sewage wastes, and to revise said plan whenever it is necessary to meet the sewage disposal needs of the Municipality, and

WHEREAS, The University Area Joint Authority has prepared an Act 537 Special Study to amend the Centre Region Sewage Facilities Plan to upgrade and increase the capacity of the Scott Road Pump Station and Bristol Interceptor, and

WHEREAS, The Act 537 Plan Special Study Plan Update:

- Identifies the inflow and infiltration issues associated with the Scott Road Pump Station and Bristol Interceptor,
- Evaluates multiple alternative options for correcting the infiltration and inflow issues,
- Describes the selected option (upgrading the pump station and forcemain), and
- Is consistent with the adopted Centre Region Comprehensive Plan.

WHEREAS, the Township of Ferguson finds that the Act 537 Plan Special Study described above conforms to applicable zoning, subdivision, other municipal ordinances and plans and to a comprehensive program of pollution control and water quality management.

NOW, THEREFORE, BE IT RESOLVED that the Ferguson Township Board of Supervisor does hereby adopt and submit to the Department of Environmental Protection for its approval as a revision to the Official Plan of the Municipality, the above referenced Special Study.

RESOLVED this 3rd day of August 2020.

TOWNSHIP OF FERGUSON

By: Steve Miller, Chairman
Board of Supervisors

[S E A L]

ATTEST:

David Pribulka, Secretary

I, David Pribulka, Secretary, Township of Ferguson, hereby certify that the foregoing is a true copy of the Township's Resolution No. 2020-20, adopted this 3rd day of August 2020.

By: _____
(Signature) (Date)

RESOLUTION NO. _____

A RESOLUTION OF THE TOWNSHIP OF FERGUSON, CENTRE COUNTY, PENNSYLVANIA CONFIRMING THE TOWNSHIP'S SUPPORT OF THE PETITION OF PROPERTY OWNER "PGH REAL ESTATE HOLDINGS, LLC." TO SUBSTITUTE THE MUNICIPAL NOISE ORDINANCE FOR THE PENNSYLVANIA LIQUOR CONTROL BOARD'S REGULATION ON PROPERTIES LOCATED AT 101 EAST PINE GROVE ROAD AND 115 EAST PINE GROVE ROAD.

WHEREAS, the Township of Ferguson, a Home Rule Municipality, has duly and properly enacted an ordinance regulating noise in the Township with the intent of protecting the physical, mental, and social wellbeing of the residents of the Township of Ferguson; and

WHEREAS, the Township's noise ordinance is codified under Chapter 10, Health and Safety; Part 3, Noise of the Ferguson Township Code of Ordinances; and

WHEREAS, the owner of properties located at 101 East Pine Grove Road and 115 East Pine Grove Road, PGH Real Estate Holdings, LLC., doing business as "Pine Grove Hall," have submitted or intend to submit an application for a noise exemption to the Pennsylvania Liquor Control Board; and

WHEREAS, by adoption of this resolution, the Ferguson Township Board of Supervisors is stating its intention to enforce the noise ordinance of the Township of Ferguson in place of the regulations enacted by the Pennsylvania Liquor Control Board.

NOW, THEREFORE, BE IT RESOLVED that the Ferguson Township Board of Supervisors does hereby confirm its support of the petition of Pine Grove Hall to substitute the Township's noise ordinance for the Pennsylvania Liquor Control Board's regulation.

RESOLVED, this 3rd day of August 2020.

TOWNSHIP OF FERGUSON

By: _____
Steve Miller, Chairman
Board of Supervisors

[S E A L]

ATTEST:

By: _____
David Pribulka, Secretary

November 4, 2010

Telephone: (717) 783-9454
FAX: (717) 787-8820

Steve Mattis
Country Inn Bar & Grille
615 Ragers Hill Road
South Fork, PA 15956

RE: Procedures for Obtaining a Noise Exemption

Dear Ms. Mattis:

ISSUE: This correspondence is in response to your November 1, 2010 e-mail, in which you indicate that you are currently in the process of asking Adams Township to obtain a noise exemption for your establishment. You indicate that you had previously asked Adams Township to obtain a noise exemption for your establishment, but that the solicitor for Adams Township had indicated that if your establishment was exempted, Adams Township would need to exempt all of the licensed establishments located within that municipality. Accordingly, you ask for information on the procedures for obtaining a noise exemption and whether the solicitor's explanation is correct. The records of the Pennsylvania Liquor Control Board ("Board") reflect that the Mattis Family, Inc., trading as The Country Inn Bar & Grille, holds Restaurant Liquor License No. 13766 (LID 52699) for the premises located at 615 Ragers Hill Road, South Fork, Pennsylvania, 15956.

OPINION: Section 5.32(a) of the Board's Regulations provides that "[a] licensee may not use or permit to be used inside or outside of the licensed premises a loudspeaker or similar device whereby the sound of music or other entertainment, or the advertisement thereof, can be heard on the outside of the licensed premises." [40 Pa. Code § 5.32(a)]. However, section 493.1(b) of the Liquor Code [47 P.S. § 4-493.1(b)] provides a mechanism for obtaining an exemption from section 5.32(a). Specifically, section 493.1(b) provides as follows:

A municipality may file a petition with the board for an exemption from the board's regulations regarding amplified music

being heard off the licensed premises for all licensees within an identifiable area in the municipality. Prior to submitting a petition, the municipality shall adopt a local noise ordinance and a resolution adopted by its governing body confirming support of the petition, citing the noise ordinance and its intention to enforce the ordinance in place of the board's regulations. Upon receipt of a petition, including a copy of the noise ordinance, a map of the area to be exempted and resolution, the board shall hold at least one (1) public hearing on the petition. The hearing may be held before a hearing examiner. The hearing shall take place within the identified area and must comply with the notice, recording and public participation requirements of 65 Pa. C.S. Ch. 7 (relating to open meetings). Within sixty (60) days after receipt of the petition, the board shall disapprove the petition for an exemption in its entirety or may approve an area more limited for which the exemption will be granted if the board finds that granting the petition shall have an adverse effect on the welfare, health, peace and morals of the residents living in the vicinity of the identified area; otherwise, the board shall approve the petition. The board may place additional conditions on its approval such as limiting the duration of the approval and any other condition the board deems appropriate. There shall be a right to appeal to the court of common pleas in the same manner as provided by this act for appeals from refusals to grant licenses.

[47 P.S. § 4-493.1(b)].

Pursuant to section 5.36 of the Board's Regulations [40 Pa. Code § 5.36], a municipality filing a noise exemption petition with the Board must also file the following:

- (1) A copy of the municipality's noise ordinance currently in effect.
- (2) The municipality's resolution that:
 - (i) Confirms the municipality's support of the petition to substitute the municipal noise ordinance for the Board's regulation.
 - (ii) Cites the municipal noise ordinance.

- (iii) States the municipality's intention to enforce the ordinance in place of the Board's regulations.
- (3) A complete written description of the boundary lines for the proposed exempted noise area.
- (4) One copy of a geographical map, the minimum size of which is 36" x 36", including the designated boundary lines of the proposed exempted noise area within the municipality.
- (5) Three copies of the geographical map required by paragraph (4), the size of which will be 8½" x 11½".
- (6) Identification of a proposed location, within the proposed exempted noise area, to be used by the Board to hold the required public hearing within the proposed exempted area.
- (7) Identification of a local print publication of general circulation that would satisfy 65 Pa. C.S. Chapter 7 (relating to open meetings) notice requirement for announcement of the required public hearing.

[40 Pa. Code § 5.36(a)(1)-(7)]. The noise exemption petition, along with the other required items, should be sent to the Board's Office of Chief Counsel at 401 Northwest Office Building, Harrisburg, Pennsylvania 17124.

To answer your specific question, Adams Township would not need to obtain an exemption for all licensed establishments located within that municipality. Instead, pursuant to section 493.1(b) of the Liquor Code, Adams Township may designate a specific area within the municipality in its petition, and, if the petition is approved by the Board, only the licensed establishments located within that specific designated area would be entitled to the exemption.

Should you have any further questions, please do not hesitate to again contact this office.

THIS OPINION APPLIES ONLY TO THE FACTUAL SITUATION DESCRIBED HEREIN AND DOES NOT INSULATE THE LICENSEE OR

Steve Mattis
November 4, 2010
Page 4

OTHERS FROM CONSEQUENCES OF CONDUCT OCCURRING PRIOR TO ITS ISSUANCE. THE PROPRIETY OF THE PROPOSED CONDUCT HAS BEEN ADDRESSED ONLY UNDER THE LIQUOR CODE AND REGULATIONS. THE LAWS AND POLICIES ON WHICH THIS OPINION IS BASED ARE SUBJECT TO CHANGE BY THE LEGISLATURE OR THE PENNSYLVANIA LIQUOR CONTROL BOARD.

Very truly yours,

FAITH S. DIEHL
CHIEF COUNSEL

cc: Pennsylvania State Police,
Bureau of Liquor Control Enforcement

LCB Advisory Opinion No. 10-433

RESOLUTION NO. _____

A RESOLUTION OF THE TOWNSHIP OF FERGUSON, CENTRE COUNTY, PENNSYLVANIA AFFIRMING SUPPORT FOR THE PENNSYLVANIA DEPARTMENT OF HEALTH DIRECTIVES ON UNIVERSAL MASKING AND SOCIAL DISTANCING TO COMBAT THE COVID-19 PANDEMIC.

WHEREAS, the economic, social, and public health and safety impact of the novel coronavirus (COVID-19) has been unlike anything the world has experienced in the modern era; and

WHEREAS, the Centers for Disease Control, United States Department of Health and Human Services, Commonwealth of Pennsylvania, Centre County, and Centre Region have each declared federal, state, and local emergencies in response to the COVID-19 pandemic; and

WHEREAS, in an effort to stem the transmission of COVID-19, Governor Wolf and Pennsylvania Department of Health Secretary Levine have established directives mandating, among other items, the wearing of masks in public spaces and social distancing protocol; and

WHEREAS, on July 1, 2020, Secretary Levine signed an order, under the authority granted her by the Disease Prevention and Control Act, requiring the wearing of masks whenever occupying a public space, subject to certain specified exemptions; and

WHEREAS, the Board of Commissioners of Centre County adopted Resolution 16 of 2020 on July 7, 2020, endorsing Governor Wolf's and Secretary Levine's universal masking order, and encouraging county municipalities to do the same; and

WHEREAS, the Ferguson Township Board of Supervisors acknowledges that the established directives are critical to promoting the public health, safety, and welfare of Township residents.

NOW, THEREFORE, BE IT RESOLVED that the Ferguson Township Board of Supervisors does hereby affirm its support for the Pennsylvania Department of Health's Directives on Universal Masking and Social Distancing to combat the transmission of COVID-19.

RESOLVED, this 3rd day of August 2020.

TOWNSHIP OF FERGUSON

By: _____
Steve Miller, Chairman
Board of Supervisors

[S E A L]

ATTEST:

By: _____
David Pribulka, Secretary

TRAINING

- Three levels of police training:
 - State requirements
 - Regional needs
 - Department needs

- 1. All Municipal Police Officers are certified under the Municipal Police Officers Education and Training Commission.
 - The commission requires officers to maintain first aid / CPR and firearms qualifications.
 - Officers must attend 12 hours of continuing education credits every year. 3 of those credits must come from a legal update course developed by the commission. The other 9 credits can come from courses developed by the commission or approved by the commission. The courses developed by the commission are delivered via an online learning. Examples of the commission developed courses include:
 - 2020 – Personal Leadership
 - 2020 - LGBTQ+ Victims
 - 2019 – Responding to Victims with Disabilities
 - 2018 – Procedural Justice and De-escalation techniques

- 2. Chiefs from the Centre County Police Departments identify training needs for all county police departments. Examples of the courses include:
 - 2020 – ASERT (Autism)
 - 2020 – Diversity
 - 2020 – Mental health updates
 - 2020 – Officer Wellness
 - 2019 – Cultural diversity related to socio-economic issues
 - 2019 – Surviving Verbal Conflict (de-escalation)
 - 2018 – Investigating Hate Crimes
 - Sexual Assault / Domestic Violence updates (2019 – trauma-based interview course)
 - Crisis Intervention
 - Driver's training

- 3. Department specific training
 - AED / NARCAN, Oxygen
 - Use of Force – Each training session starts with a review of policy, law and case law. The sessions cover pressure points, self-defense, OC, handcuffing, de-escalation, control techniques, baton, positional asphyxia, excited delirium, firearms, less-lethal and scenario-based training (Numerous times per year).

- The training curriculum is approved by the COP
- Instructors are certified by state and nationally recognized entities (PA State Police, Pressure Point Control Tactics, Taser, etc.).
- Policy training – In addition to use of force, examples include care and custody of arrestees, emergency driving, pursuit, prohibition against bias-based policing
- Professional Development Courses (Specialty)– Crime scene processing, child safety seat inspector, crash reconstructionist, internal affairs, standardized field sobriety testing, computer and cell phone forensics, interview / interrogation, trauma-informed interviewing for victims, crisis negotiation, search and seizure, etc.

Upcoming training for 2020 - (This is dependent upon the COVID-19 restrictions)

- Police Executive Research Forum – Integrating Communication and Tactics (ICAT)
- Officer Wellness – Peer to Peer support. Continuing to develop regional team

Centre County CIT Training Agenda:

- Clinical Issues Related To Mental Illness
- Psychopharmacology
- Substance Use and Co-occurring Disorders
- Adolescent Population
- Senior Population
- Developmental and Intellectual Disabilities
- Hearing Voices Exercise
- Advocacy Perspective
- Suicide Prevention
- Rights and Civil Commitment
- CIT Policies and Procedures
- Verbal De-escalation
- Military Culture and Post-traumatic Stress Disorder
- Veteran's Panel and Veteran's Services
- Autism Spectrum Disorder
- Suicide By Cop and Officer Suicide
- Critical Incident Stress Management
- Community Resources
- Site Visits
- Scenario-Based Skill Training

Crisis Intervention Team formed in Centre County in 2011 – Based on the Memphis model developed in partnership by mental health professionals, National Alliance on Mental Health (NAMI) and police.

The Crisis Intervention Coordinator, Tracy Small, is presenting information about crisis intervention before State College Borough Council on August 4, 2020 at their regular meeting.

CALLS WITH A MENTAL HEALTH COMPONENT

- When calls received by the 911 center, it may not be apparent that mental health is involved. Calls involve assaults, burglaries, loud music complaints, thefts, trespassing and vehicle crashes.
- Officers use de-escalation skills in a majority of the calls they handle including domestic disputes, roommate disputes, criminal investigations, victim notifications, mental health and crashes.

	Calls with Mental Health	Serve 302 (Mental Health Warrant)	Voluntary
2018	305	27	8
2019	181	26	8
2020 (July 27, 2020)	120	11	8

Some bigger issues

- 1st example - Person recently moved back to Ferguson Township earlier this year
- Since then, individual has called 911 over 20 times, sent me 92 emails and left me 13 voicemail messages (each 4 minutes and 59 seconds – the length our system records). This doesn't include the times I've talked with the individual on the phone.
- The individual has services in place. At this point, the individual hopes to sever their ties with mental health services (within their right to do so).
- 2nd example – An individual has been kicked out of group services because of their level of violence. The individual has assaulted family, police, EMS and a constable. The person is institutionalized for short periods of time and released. The individual has been charged with assault charges.
- 3rd example – An individual tried stealing a FTPD cruiser. The individual was hospitalized. A hospital in Altoona would not accept him. While at Mount Nittany Medical Center, the patient threatened to jump off a balcony and was able to elude hospital staff. The individual stole a landscaper's truck and lead police on a chase. The person was apprehended and charged.

AMBULANCE CALLS

- Call permitting, officers respond to all medical calls. Exception: minor medical issues at assisted care or medical facilities.
- Officer actions include life-saving measures, calming the patient and family, gathering medical history and medications, directing responding EMS units and assist with carrying / moving the patient.

	2018	2019	2020 (7/27/20)
NARCAN	5	0	1
NARCAN SAVE	5	0	1
AED	4	7	7
AED Save	0	2	2

	2018	2019	2020 (7/27/20)	Total
EMS CALLS	691	688	339	1718

Cardiac arrest - The chain of survival includes early notification, early CPR, early defibrillation and advanced care. According to local hospital stats, area police departments apply the automatic defibrillator pads 90% of the time. Since June 1, 2020, Centre Life Link has had 5 patients who were in cardiac arrest and were resuscitated. Four of those people were discharged from the hospital. The Centre region police departments were first on scene and started care including CPR and utilizing an AED.

DOMESTIC VIOLENCE CALLS

	2018	2019	2020 (7/27/20)	Total
Domestic (Non-arrest)	68	98	40	206
Domestic (Arrest)	21	14	9	44

- State law mandates arrests, in certain cases, and mandatory victim notification of services (shelter, protection from abuse orders, counseling, etc.) as well as post arrest notifications.
- There is a county-wide Domestic Violence Response Protocol. A component of the protocol includes a lethality assessment. An officer will ask the victim a series of questions. Depending on the victim's responses, officers may be required to contact Centre Safe for the victim immediately.
- The State College Police Department along with Centre Safe received a grant to start and maintain a Victim Centered Intense Case Management Unit. The unit centralizes and coordinates responses to domestic violence across the Centre Region. The unit is comprised of a State College Police Department Detective, Field/Legal Advocate and a project Technician. The team communicates with the victim about resources, court proceedings and safety plans. The unit also provides training to law enforcement officers.

ADULT INFORMATION

Three Year Arrest Numbers (Race / Ethnicity)										
	White	Black / African American	American Indian Alaskan Native	Asian	Native Hawaiian / Pacific Islander		Total Arrests		Hispanic	Non-Hispanic
2017	134	32		21 *			187		9	178
2018	112	25		29 *			166		2	164
2019	106	17	1	14	0	0	138		5	133
	352	74	1	64	0		491		16	475
	72%	15%	0%	13%	0%		100%		3%	97%

Three Year Victim Numbers (Race / Ethnicity)										
	White	Black / African American	American Indian Alaskan Native	Asian	Native Hawaiian / Pacific Islander		Total Victims		Hispanic	Non-Hispanic
2017	196	14	0	34 *			244		7	237
2018	162	10	0	50 *			222		4	218
2019	125	26	0	37	0		188		6	182
	483	50	0	121	0	0	654		17	637
	74%	8%	0%	19%	0%		100%		3%	97%

* - Asian Native Hawaiian / Pacific Islander Split in 2019

JUVENILE INFORMATION

Three Year Arrest Numbers (Race / Ethnicity)										
	White	Black / African American	American Indian Alaskan Native	Asian	Native Hawaiian / Pacific Islander		Total Arrests		Hispanic	Non-Hispanic
2017	7				*		7		1	6
2018	9				*		9			9
2019	8						8		1	7
	24	0	0	0	0	0	24		2	22
	100%	0%	0%	0%	0%	0%	100%		8%	92%

Three Year Victim Numbers (Race / Ethnicity)										
	White	Black / African American	American Indian Alaskan Native	Asian	Native Hawaiian / Pacific Islander		Total Victims		Hispanic	Non-Hispanic
2017	11	2	0		*		13		1	12
2018	11		0	1	*		12		3	9
2019	16		0		0		16			16
	38	2	0	1	0	0	41		4	37
	93%	5%	0%	2%	0%	0%	100%		10%	90%

* - Asian Native Hawaiian / Pacific Islander Split in 2019

CONTACTS AND USE OF FORCE

	Contacts	Arrests	Use of Force
2018	12,000*	175 (1.5%)	82 (.7%)
2019	12,000*	149 (1.2%)	111 (.9%)
2020 (5/31/20)	5,000*	38 (.7%)	34 (.7%)

* Estimated contact number is low. Many investigations involve officers interacting with more than one individual per incident or vehicle stop.

Police Involved Shootings

- February 19, 1994 – A known individual called 911 to report that he just killed his family. Officers arrived and as they approached the residence they observed a male walking on the street holding a handgun in his hand. The gun was pointed down. The man was walking toward the officer. The officer identified himself and directed the man to stop. The man continued walking toward the officer. The officer continued to give the man directions. The man raised the gun and pointed it at the officer. The officer fired two shots, from a handgun, striking the man with both rounds. Officers administered aid. The male survived. He was subsequently charged, found guilty and sentenced to prison.
- July 25, 2008 – A man armed with a shotgun robbed a car dealership in the Bellefonte area. During the robbery, the male asked about the Christian Radio station in State College (Ferguson Township). Ferguson Township officers were warned about the man. Shortly after the officers arrived at the radio station, the male arrived in his Ford Bronco. Officers approached the vehicle and tried speaking with the man. An officer could see the shotgun on the passenger seat. The man drove away and crashed into a parked, unoccupied, Ferguson Twp cruiser. After the collision, the man drove away from the building but quickly returned. He crashed into a second parked Ferguson Township cruiser. He began driving around the radio station shooting his shotgun out the window at officers. The man drove toward officers discharging his shotgun. Officers fired a rifle and shotgun at the man / vehicle. The man died at the scene.

4-FDF - UOF - Deadly force
4-FDG - UOF - Display firearm
4-FFE - UOF - Forced entry
4-FGD - UOF - Discharge firearm
4-FHC - UOF - Handcuffing
4-FIM - UOF - Impact/baton/strikes
4-FLL - UOF - Less lethal munitions
4-FMC - UOF - Mechanical compliance
4-FOC - UOF - OC spray
4-FOH - UOF - Open hand/hands on
4-FOI - UOF - Officer injury
4-FOR - UOF - Other rest - belt / leg
4-FOW - UOF - Other weapons
4-FSI - UOF - Suspect injury
4-FTD - UOF - Taser display
4-FTU - UOF - Taser discharge
4-UOF - UOF - Use of force



USE OF FORCE SUMMARY REPORT

Reported 1/1/2018 12:00:01AM to 12/31/2018 11:59:59PM

7/28/2020

4-FDG	UOF - Display firearm	7
4-FHC	UOF - Handcuffing	80
4-FMC	UOF - Mechanical complianc	3
4-FOH	UOF - Open hand/hands on	34
4-FOR	UOF - Other rest - belt / leg	3
4-FTD	UOF - Taser display	2
4-UOF	UOF - Use of force	82

FTPD USE OF FORCE DETAILS REPORT

For incidents Reported 1/1/2018 12:00:01AM to 12/31/2018 11:59:59PM

7/28/2020

18FT00077	1/12/2018	10:04:28AM		CLO	4-FHC	UOF - Handcuffing
OTHER	720710	W	F	15		<i>mental Health 147 Evaluation</i>
18FT00081	1/13/2018	3:56:00AM		ARA	4-FHC	UOF - Handcuffing
DEFENDANT	AR1043158					
	VC3802 base					
	VC3802 base					
18FT00143	1/18/2018	3:28:54PM		ARA	4-FHC 4-FMC 4-FOH	UOF - Handcuffing UOF - Mechanical compliar UOF - Open hand/hands on
DEFENDANT	AR1042582	W	M	19		
	35PS 780-113(a)(31) MJ					
	CC2701 base					
	CC2706 base					
	CC3701(a)(1)(v) KN RS					
18FT00199	1/26/2018	2:58:00AM		ARA	4-FHC	UOF - Handcuffing
DEFENDANT	AR1042887					
	VC3309					
	VC3802 base					
	VC3802 base					
	VC3802 base					
18FT00366	2/13/2018	2:43:00AM		ARA	4-FHC	UOF - Handcuffing
DEFENDANT	AR1043152	W	F	21		
	VC4302					
	VC3802 base					
	VC3802 base					
	VC3802 base					
18FT00389	2/16/2018	2:30:00AM		ARA	4-FHC	UOF - Handcuffing
DEFENDANT	AR1043215					
	VC4302					
	VC3802 base					
	VC3802 base					
18FT00391	2/16/2018	4:11:00AM		ARA	4-FHC	UOF - Handcuffing
DEFENDANT	AR1042972	A	M	23		
	CC3304 base					
	CC2709 base					
	CC3503 base					
	CC3502 RES FO base					
18FT00392	2/16/2018	4:11:00AM		CLO	4-FDG 4-FHC	UOF - Display firearm UOF - Handcuffing
OTHER	756436	A	M	19		<i>BURGLARY</i>
18FT00479	2/24/2018	2:03:00AM		ARA	4-FHC	UOF - Handcuffing
DEFENDANT	AR1043224					
	VC4302					
	VC3802 base					
18FT00516	2/27/2018	9:30:00AM		ARA	4-FHC	UOF - Handcuffing
DEFENDANT	AR1043243	B	M	26		
	CC7512(a)					
	35PS 780-113(a)(16) CO					
	35PS 780-113(a)(30) base					
	35PS 780-113(a)(30) base					
18FT00517	2/27/2018	9:05:14AM		CLO	4-FDG 4-FHC	UOF - Display firearm UOF - Handcuffing

High RISK STOP / WARRANT SERVICE

OTHER	273718	W	M	33			
18FT00547		3/2/2018	2:00:00PM		CLO	4-FDG	UOF - Display firearm
OTHER	616953	U	U				<i>DRUG SEARCH WARRANT SERVICE</i>
18FT00567		3/5/2018	8:48:00AM		CLO	4-FOH	UOF - Open hand/hands on
OTHER	715264	B	M	23			<i>Assist PTPD w/ Fight</i>
18FT00636		3/14/2018	3:05:00PM		ARA	4-FHC	UOF - Handcuffing
DEFENDANT	AR1043293	W	F	48			
	CC7303 base						
	VC3808						
	VC3802 base						
18FT00641		3/14/2018	5:45:00PM		ARA	4-FHC	UOF - Handcuffing
						4-FOH	UOF - Open hand/hands on
DEFENDANT	AR1043608	W	M	66			
	CC4304 base						
	VC3802 base						
	VC3802 base						
18FT00656		3/16/2018	4:23:21PM		CLO	4-FHC	UOF - Handcuffing
SUSPECT	733477	W	M	21			
18FT00658		3/16/2018	8:44:00PM		CLO	4-FDG	UOF - Display firearm
OTHER	773686	W	F	64			<i>Alarm</i>
18FT00660		3/17/2018	2:28:09AM		ARA	4-FHC	UOF - Handcuffing
						4-FOH	UOF - Open hand/hands on
DEFENDANT	AR1043292						
	CC5505						
18FT00714		3/24/2018	2:38:00AM		ECA	4-FHC	UOF - Handcuffing
						4-FOH	UOF - Open hand/hands on
SUSPECT	773142	W	M	30			
18FT00768		4/1/2018	6:58:00PM		CLO	4-FOH	UOF - Open hand/hands on
OTHER	346685	W	M	78			<i>mental Health</i>
18FT00783		4/3/2018	12:00:00PM		CLO	4-FHC	UOF - Handcuffing
OTHER	746144	W	M	22			<i>WARRANT SERVICE</i>
18FT00865		4/11/2018	11:59:00PM		ARA	4-FHC	UOF - Handcuffing
						4-FOH	UOF - Open hand/hands on
DEFENDANT	AR1044194						
	VC3802 base						
	VC3802 base						
18FT00901		4/17/2018	2:35:00AM		ARA	4-FHC	UOF - Handcuffing
DEFENDANT	AR1043935	B	M	22			
	VC3362						
	VC3802 base						
	VC3802 base						
18FT00938		4/21/2018	7:47:00AM		CLO	4-FTD	UOF - Taser display
OTHER	761055	W	M	20			<i>ASSIST PTPD take male w/ Knife in custody</i>
18FT00946		4/21/2018	8:30:18PM		ARA	4-FHC	UOF - Handcuffing
							<i>Assault</i>
DEFENDANT	AR1043716	W	M	44			
	CC2709 base						
	CC2701 base						
	CC2718(a)(2) HF						
DEFENDANT	AR1043717	W	F	27			
	CC2709 base						
	CC2701 base						
18FT01005		4/29/2018	1:57:00AM		ARA	4-FHC	UOF - Handcuffing
DEFENDANT	AR1043880	W	M	28			
	CC5505						
18FT01026		5/1/2018	7:43:00AM		CLO	4-FHC	UOF - Handcuffing
SUSPECT	776386	W	M	25			

18FT01108	5/9/2018	9:11:43AM	ARA	4-FHC	UOF - Handcuffing
DEFENDANT	AR1044012	W F	18		
	CC3925(a)				
	CC3921 base				
18FT01221	5/22/2018	12:35:49PM	ARA	4-FHC 4-FOH	UOF - Handcuffing UOF - Open hand/hands on
DEFENDANT	AR1044000	W F	41		
	CC5503(a)(4) UR				
	CC3127(a)				
18FT01300	5/31/2018	2:58:00AM	ARA	4-FHC	UOF - Handcuffing
DEFENDANT	AR1044233	A M	23		
	VC3309				
	VC1543				
	VC3802 base				
	VC3802 base				
18FT01339	6/4/2018	5:44:07PM	CLO	4-FHC 4-FMC 4-FOH	UOF - Handcuffing UOF - Mechanical compliar UOF - Open hand/hands on
OTHER	777810	W	23		
					<i>Suspicious Activity - Following woman</i>
18FT01343	6/5/2018	1:56:00AM	ARA	4-FHC	UOF - Handcuffing
DEFENDANT	AR1044229	W M	24		
	VC3802 base				
18FT01357	6/6/2018	11:10:00PM	ARA	4-FHC	UOF - Handcuffing
DEFENDANT	AR1044477	A F	22		
	VC3309				
	VC3802 base				
	VC3802 base				
18FT01410	6/12/2018	6:26:08PM	CLO	4-FHC	UOF - Handcuffing
SUSPECT	778072	W M	47		
18FT01463	6/20/2018	3:30:00AM	ARA	4-FHC	UOF - Handcuffing
DEFENDANT	AR1044192	W M	41		
	CC5505				
18FT01491	6/23/2018	1:56:00AM	ECA	4-FHC	UOF - Handcuffing
SUSPECT	778406	A M	17		
18FT01529	6/28/2018	8:19:31PM	ARA	4-FHC 4-FOH	UOF - Handcuffing UOF - Open hand/hands on
DEFENDANT	AR1044398	W F	60		
	VC3309				
	VC3802 base				
	VC3802 base				
18FT01553	7/1/2018	8:52:00AM	ARA	4-FHC 4-FOH	UOF - Handcuffing UOF - Open hand/hands on
DEFENDANT	AR1044224	W F	60		
	CC3503 base				
	CC3503 base				
18FT01647	7/14/2018	3:05:31AM	ARA	4-FHC 4-FOH	UOF - Handcuffing UOF - Open hand/hands on
DEFENDANT	AR1044649				
	VC3309				
	VC3802 base				
	VC3802 base				
18FT01648	7/14/2018	2:51:00AM	CLO	4-FOH	UOF - Open hand/hands on
OTHER	779120	W M	23		
					<i>Threatening to jump off balcony / mental ill</i>
18FT01664	7/15/2018	10:30:05PM	ARA	4-FHC	UOF - Handcuffing

DEFENDANT AR1044434						
VC3112						
VC3745						
VC3802 base						
18FT01684	7/18/2018	12:40:00AM	ARA	4-FHC	UOF - Handcuffing	
				4-FOH	UOF - Open hand/hands on	
DEFENDANT AR1044445 A F 24						
CC2709 base						
CC5505						
18FT01706	7/21/2018	12:40:04AM	ARA	4-FHC	UOF - Handcuffing	
18FT01762	7/30/2018	1:49:00AM	ECA	4-FHC	UOF - Handcuffing	
				4-FMC	UOF - Mechanical compliar	
				4-FOH	UOF - Open hand/hands on	
SUSPECT	345195	W M	67			
18FT01775	7/30/2018	10:30:00PM	CLO	4-FHC	UOF - Handcuffing	
				4-FOH	UOF - Open hand/hands on	
OTHER	779856	W M	36			
18FT01800	8/2/2018	6:46:08PM	ARA	4-FHC	UOF - Handcuffing	<i>Assist PSP w/ Combative man</i>
				4-FOH	UOF - Open hand/hands on	
DEFENDANT AR1044509 A M 21						
CC3304 base						
CC3503 base						
18FT01850	8/8/2018	10:36:26AM	ARA	4-FHC	UOF - Handcuffing	
DEFENDANT AR1044529 W F 33						
35PS 780-113(a)(16) OT						
CC4914(a)						
CC3929 base						
18FT01852	8/8/2018	7:05:00PM	ARA	4-FHC	UOF - Handcuffing	
				4-FOH	UOF - Open hand/hands on	
				4-FOR	UOF - Other rest - belt / leg	
DEFENDANT AR1044522						
VC1543						
CC4914(a)						
18FT01901	8/14/2018	11:31:00PM	CLO	4-FHC	UOF - Handcuffing	
OTHER	550075	B M	25			
18FT01918	8/17/2018	2:24:33PM	CLO	4-FOH	UOF - Open hand/hands on	<i>302 warrant</i>
OTHER	646169	W M	14			<i>CYS child removal</i>
18FT01970	8/23/2018	10:46:00PM	CLO	4-FOH	UOF - Open hand/hands on	
VICTIM	335388	W F	74			<i>Medical / restmed for treatment</i>
18FT01994	8/26/2018	2:21:18AM	ARA	4-FOH	UOF - Open hand/hands on	
DEFENDANT AR1044965						
CC6308(a)						
DEFENDANT AR1044966						
CC6308(a)						
18FT02060	9/1/2018	11:33:23PM	CLO	4-FHC	UOF - Handcuffing	
				4-FOH	UOF - Open hand/hands on	
				4-FOR	UOF - Other rest - belt / leg	
SUSPECT	781609	W F	22			
18FT02088	9/6/2018	5:00:00AM	ARA	4-FHC	UOF - Handcuffing	
DEFENDANT AR1044876 A M 23						
CC2901 base						
CC2706 base						
CC2701 base						
CC2718(a)(2) HF						
CC2709 base						
CC2903 base						
18FT02141	9/12/2018	10:45:00AM	CLO	4-FDG	UOF - Display firearm	
				4-FHC	UOF - Handcuffing	

SUSPECT	763646	B	M	21			
18FT02149		9/13/2018	2:15:32AM		ARA	4-FOH	UOF - Open hand/hands on
DEFENDANT	3	W	F	35			
	VC3714						
	VC1543						
	VC3802(a)(1) refusal						
18FT02177		9/16/2018	2:53:03AM		ARA	4-FHC	UOF - Handcuffing
DEFENDANT	AR1045989	W	F	18			
	VC3802 base						
	VC3802 base						
18FT02243		9/24/2018	12:43:00AM		ARA	4-FHC	UOF - Handcuffing
DEFENDANT	AR1045549	W	M	23			
	VC3112						
	VC3802 base						
	VC3802 base						
18FT02265		9/25/2018	10:06:00PM		ARA	4-FHC	UOF - Handcuffing
DEFENDANT	AR1045988	W	M	58			
	VC3714						
	VC3802 base						
	VC3802 base						
18FT02266		9/26/2018	2:30:00AM		ARA	4-FHC	UOF - Handcuffing
DEFENDANT	AR1045701						
	VC3714						
	VC3802 base						
	VC3802 base						
18FT02288		9/29/2018	6:51:00PM		ARA	4-FHC	UOF - Handcuffing
						4-FOH	UOF - Open hand/hands on
DEFENDANT	AR1045204	W	M	21			
	CC5503(a)(1) FI						
18FT02327		10/3/2018	2:26:11PM		ARA	4-FHC	UOF - Handcuffing
						4-FOH	UOF - Open hand/hands on
DEFENDANT	AR1045534	W	M	37			
	VC1543						
	VC3808						
	VC3802 base						
18FT02399		10/11/2018	3:20:00AM		ARA	4-FHC	UOF - Handcuffing
DEFENDANT	AR1045834	W	M	38			
	VC3714						
	VC3802 base						
	VC3802 base						
18FT02417		10/13/2018	3:05:00AM		ARA	4-FHC	UOF - Handcuffing
DEFENDANT	AR1045832	B	M	21			
	VC1543						
	VC3802 base						
	VC3802 base						
18FT02426		10/13/2018	6:53:22PM		ARA	4-FHC	UOF - Handcuffing
DEFENDANT	AR1045395	W	F	21			
	23PACS 6114(a)						
18FT02553		10/28/2018	12:51:38AM		ARA	4-FHC	UOF - Handcuffing
						4-FOH	UOF - Open hand/hands on
DEFENDANT	214	W	M	33			
	VC1543						
	VC3309						
	VC3802(a)(1) damage						
18FT02565		10/28/2018	7:04:19PM		ARA	4-FOH	UOF - Open hand/hands on
DEFENDANT	116	W	F	19			
	35PS 780-113(a)(31) MJ						

18FT02615	11/2/2018	11:16:47AM	CLO	4-FHC	UOF - Handcuffing
OTHER	785752	W F	49	4-FOH	UOF - Open hand/hands on <i>Bench warrant</i>
18FT02627	11/4/2018	12:27:00AM	ARA	4-FHC	UOF - Handcuffing
DEFENDANT	AR1046088	W F	51		
	VC3802 base				
	VC3802 base				
18FT02630	11/4/2018	1:38:29AM	CLO	4-FOH	UOF - Open hand/hands on
DEFENDANT	AR1045667	W M	21		
	CC5505				
18FT02700	11/10/2018	12:57:00PM	ARA	4-FHC	UOF - Handcuffing
DEFENDANT	AR1045767	W M	30		
	CC5503 base				
	CC5505				
18FT02704	11/11/2018	4:34:00AM	ARA	4-FHC	UOF - Handcuffing
DEFENDANT	AR1045887				
	VC3714				
	VC3802 base				
18FT02711	11/12/2018	1:54:00AM	ARA	4-FHC	UOF - Handcuffing
				4-FOH	UOF - Open hand/hands on
DEFENDANT	AR1045771	W F	26		
	CC5505				
18FT02725	11/13/2018	4:31:16PM	ARA	4-FHC	UOF - Handcuffing
				4-FOH	UOF - Open hand/hands on
				4-FOR	UOF - Other rest - belt / leg
DEFENDANT	AR1045803				
	CC2709 base				
	CC2701 base				
18FT02793	11/20/2018	10:18:10PM	ARA	4-FHC	UOF - Handcuffing
				4-FOH	UOF - Open hand/hands on
DEFENDANT	19FTA0005	I M	22		
	VC3323				
	VC3802(a)(2)				
	VC3802(a)(1) gen imp				
18FT02854	11/28/2018	2:10:00PM	CLO	4-FHC	UOF - Handcuffing
OTHER	281056	W F	27		<i>WARRANT SERVICE</i>
18FT02860	11/29/2018	1:08:00AM	CLO	4-FHC	UOF - Handcuffing
OTHER	597019	W M	31		<i>ASSIST PTPD SERVE DV WARRANT</i>
18FT02914	12/4/2018	11:12:00PM	CLO	4-FHC	UOF - Handcuffing
SUSPECT	724137	W M	24		
18FT02960	12/10/2018	10:58:00PM	CLO	4-FHC	UOF - Handcuffing
OTHER	568620	W M	31		<i>302 WARRANT</i>
18FT02979	12/12/2018	5:59:00PM	ARA	4-FHC	UOF - Handcuffing
				4-FOH	UOF - Open hand/hands on
DEFENDANT	AR1046032				
	CC2709 base				
18FT02998	12/14/2018	11:35:00PM	ARA	4-FHC	UOF - Handcuffing
DEFENDANT	212	W M	18		
	VC3714				
	X3060				
	VC3802(b)				
	35PS 780-113(a)(31) MJ				
	VC3802(e)				
	35PS 780-113(a)(32)				
	CC6308(a)				
18FT03013	12/15/2018	10:13:00PM	ARA	4-FHC	UOF - Handcuffing

DEFENDANT 4

VC3802(b)

VC3802(b)



USE OF FORCE SUMMARY REPORT

Reported 1/1/2019 12:00:01AM to 12/31/2019 11:59:59PM

7/28/2020

4-FDG	UOF - Display firearm	2
4-FHC	UOF - Handcuffing	102
4-FOH	UOF - Open hand/hands on	55
4-FOR	UOF - Other rest - belt / leg	1
4-FTD	UOF - Taser display	1
4-UOF	UOF - Use of force	111

FTPD USE OF FORCE DETAILS REPORT

For incidents Reported 1/1/2019 12:00:01AM to 12/31/2019 12:00:00PM

7/28/2020

19FT00008	1/1/2019	11:29:42AM	ECA	4-FHC	UOF - Handcuffing
OTHER	249315	B M 38			
19FT00361	1/25/2019	4:16:30PM	CLO	4-FDG 4-FOH	UOF - Display firearm UOF - Open hand/hands on
SUSPECT	785901	B M 20			DUI DRUG SEARCH WARRANT
19FT00366	1/26/2019	2:11:28AM	ARA	4-FHC	UOF - Handcuffing
DEFENDANT	69				
	VC3111				
	VC3309				
	VC3802(a)(1) refusal				
19FT00377	1/26/2019	9:30:14PM	CLO	4-FHC 4-FOH	UOF - Handcuffing UOF - Open hand/hands on
OTHER	602823	W F 21			302 served
19FT00502	2/2/2019	1:14:06AM	ECA	4-FHC	UOF - Handcuffing
OTHER	696913	W M 24			Public DRUNK
19FT00504	2/2/2019	3:18:02AM	ARA	4-FHC	UOF - Handcuffing
DEFENDANT	19FTA0018	W M 21			
	VC3802(a)(1) gen imp				
	VC3802(b)				
19FT00526	2/3/2019	4:14:53AM	ARA	4-FHC	UOF - Handcuffing
DEFENDANT	19FTA0004	W M 26			
	CC3502(a)(4) NON NF				
	CC3925(a)				
	CC3921(a) BD				
	35PS 780-113(a)(16) CO				
	CC3503(a)(1)(ii)				
	CC3503(a)(1)(i)				
	35PS 780-113(a)(32)				
19FT00528	2/3/2019	11:11:00AM	ECA	4-FOH	UOF - Open hand/hands on
SUSPECT	271965	W M 26			
19FT00540	2/4/2019	4:45:33PM	ARA	4-FHC	UOF - Handcuffing
DEFENDANT	198	W M 40			
	VC3743				
	VC3802(a)(1) damage				
	VC3802(a)(1) refusal				
	VC3802(a)(1) gen imp				
19FT00663	2/9/2019	11:07:21PM	ARA	4-FOH	UOF - Open hand/hands on
DEFENDANT	19FTA0012	W F 18			
	35PS 780-113(a)(32)				
DEFENDANT	19FTA0013	W M 18			
	35PS 780-113(a)(32)				
DEFENDANT	19FTA0014				
	35PS 780-113(a)(31) MJ				
19FT00666	2/10/2019	12:12:40AM	ARJ	4-FHC 4-FOH	UOF - Handcuffing UOF - Open hand/hands on

DEFENDANT	257	W	M	19				
	CC6308(a)							
DEFENDANT	258	W	F	17				
	CC6308(a)							
DEFENDANT	259	W	M	15				
	CC6308(a)							
DEFENDANT	260	W	M	17				
	CC6308(a)							
19FT00805		2/17/2019	2:11:27AM		ARA	4-FHC	UOF - Handcuffing	
DEFENDANT	19FTA0028	W	M	30				
	VC3802(a)(1) gen imp							
	VC3802(c)							
19FT00812		2/17/2019	5:09:53PM		ARA	4-FHC	UOF - Handcuffing	
						4-FOH	UOF - Open hand/hands on	
DEFENDANT	19FTA0007	B	M	28				
	VC3742.1							
	VC1543							
	VC3744							
	VC3743							
	VC3736							
	VC1786							
19FT00901		2/22/2019	2:49:08AM		ARA	4-FHC	UOF - Handcuffing	
DEFENDANT	19FTA0023	B	M	21				
	VC3112							
	VC3802(c)							
	VC3802(a)(1) gen imp							
19FT00924		2/22/2019	11:20:03PM		ARA	4-FHC	UOF - Handcuffing	
						4-FOH	UOF - Open hand/hands on	
DEFENDANT	19FTA0046	W	M	20				
	CC6310.3(a)							
	VC3331							
	VC3802(a)(1) gen imp							
19FT00934		2/23/2019	1:33:23AM		ARA	4-FHC	UOF - Handcuffing	
						4-FOH	UOF - Open hand/hands on	
DEFENDANT	19FTA0050	W	F	38				
	VC3802(a)(1) gen imp							
	VC3802(a)(1) gen imp							
	VC3802(a)(1) gen imp							
	VC3309							
	VC3802(a)(1) gen imp							
19FT00961		2/24/2019	12:42:25AM		ECA	4-FHC	UOF - Handcuffing	
						4-FOH	UOF - Open hand/hands on	
SUSPECT	764320	W	M	20				
19FT00967		2/24/2019	1:57:07AM		ARA	4-FHC	UOF - Handcuffing	
						4-FOH	UOF - Open hand/hands on	
DEFENDANT	19FTA0058	W	F	22				
	35PS 780-113(a)(32)							
	VC3362							
	VC3802(a)(1) gen imp							
19FT00973		2/24/2019	6:41:19AM		ARA	4-FHC	UOF - Handcuffing	
DEFENDANT	19FTA0024	W	M	19				
	CC6308(a)							
	VC3802(e)							
	VC3802(a)(1) damage							
19FT01089		3/1/2019	1:31:49AM		ARA	4-FHC	UOF - Handcuffing	
						4-FOH	UOF - Open hand/hands on	
DEFENDANT	19FTA0009							
	CC5505							
	CC6308(a)							
19FT01167		3/6/2019	2:21:10AM		ARA	4-FHC	UOF - Handcuffing	
						4-FOH	UOF - Open hand/hands on	

DEFENDANT	19FTA0011	A	M	21				
	CC2701(a)(1)							
	CC2709(a)(1)							
19FT01211		3/8/2019	5:39:13PM		CLO	4-FHC	UOF - Handcuffing	
SUSPECT	483383	W	F	25				
19FT01227		3/10/2019	3:50:02PM		CLO	4-FHC 4-FOH	UOF - Handcuffing UOF - Open hand/hands on	
OTHER	712353	A	M	27				ASSAULT / 302 completed / SERVICE
19FT01416		3/19/2019	7:12:21PM		CLO	4-FDG	UOF - Display firearm	
OTHER	592122	W	M	30				TRAFFIC STOP
19FT01450		3/21/2019	1:25:13PM		ARA	4-FHC	UOF - Handcuffing	
DEFENDANT	19FTA0021	W	M	30				
	CC3929(a)(1)							
19FT01562		3/28/2019	12:37:00AM		CLO	4-FOH	UOF - Open hand/hands on	
OTHER	343176	W	F	32				ASSIST PTPD w/ WARRANT SERVICE
19FT01624		3/31/2019	1:25:02AM		ARA	4-FHC	UOF - Handcuffing	
DEFENDANT	19FTA0045	W	F	30				
	VC3309							
	VC3802(c)							
	VC3802(a)(1) gen imp							
19FT01631		3/31/2019	11:02:59AM		CLO	4-FHC	UOF - Handcuffing	
SUSPECT	10935	W	M	40				
19FT01634		3/31/2019	12:04:18PM		CLO	4-FHC	UOF - Handcuffing	
SUSPECT	10935	W	M	40				
19FT01643		4/1/2019	2:40:08PM		ARA	4-FHC 4-FOH	UOF - Handcuffing UOF - Open hand/hands on	
DEFENDANT	19FTA0030	W	M	18				
	CC2709(a)(1)							
	CC2706(a)(1)							
	CC2701(a)(1)							
19FT01744		4/7/2019	3:32:04AM		ARA	4-FHC	UOF - Handcuffing	
DEFENDANT	19FTA0062	W	M	22				
	VC3802(a)(1) gen imp							
19FT01863		4/12/2019	10:35:05PM		ARA	4-FHC	UOF - Handcuffing	
DEFENDANT	19FTA0034	W	M	65				
	CC2701(a)(1)							
	CC2709(a)(1)							
19FT01872		4/13/2019	2:22:23AM		ARA	4-FHC 4-FOH	UOF - Handcuffing UOF - Open hand/hands on	
DEFENDANT	19FTA0070	W	F	27				
	VC3334							
	VC3802(a)(1) gen imp							
19FT01886		4/13/2019	2:05:59PM		ARA	4-FHC 4-FOH	UOF - Handcuffing UOF - Open hand/hands on	
DEFENDANT	19FTA0036	W	M	48				
	23PACS 6114(a)							
19FT01902		4/14/2019	12:02:51AM		ARA	4-FHC 4-FOH	UOF - Handcuffing UOF - Open hand/hands on	
DEFENDANT	19FTA0084	A	M	20				
	CC6310.3(a)							
	VC3736							
	CC6308(a)							
	VC3802(a)(1) gen imp							
19FT01909		4/14/2019	3:20:28AM		ARA	4-FHC	UOF - Handcuffing	
DEFENDANT	19FTA0061	W	M	22				
	35PS 780-113(a)(31)i MJ							
	VC3802(d)(1)(i)							

19FT01918	4/14/2019	4:46:45PM	ECA	4-FOH	UOF - Open hand/hands on
SUSPECT	550075	B F	22		
19FT02034	4/18/2019	7:34:30PM	CLO	4-FHC	UOF - Handcuffing
				4-FOH	UOF - Open hand/hands on
				4-FTD	UOF - Taser display
OTHER	398763	W M	34		Assist ATPA w/ foot pursuit - warrant
19FT02044	4/18/2019	10:35:59PM	ARA	4-FHC	UOF - Handcuffing
				4-FOH	UOF - Open hand/hands on
DEFENDANT	19FTA0067	W M	22		
	VC3802(d)(1)(iii)				
	VC3802(d)(1)(i)				
	VC1301				
19FT02091	4/21/2019	2:23:03AM	ARA	4-FHC	UOF - Handcuffing
				4-FOH	UOF - Open hand/hands on
DEFENDANT	19FTA0057				
	VC3802(c)				
	VC3802(a)(1) gen imp				
19FT02415	5/6/2019	2:04:42PM	ARA	4-FHC	UOF - Handcuffing
				4-FOH	UOF - Open hand/hands on
DEFENDANT	19FTA0052	W F	35		
	35PS 780-113(a)(32)				
	35PS 780-113(a)(16) OT				
	CC3503(b)(1)(i)				
19FT02429	5/7/2019	10:35:51AM	ARA	4-FHC	UOF - Handcuffing
DEFENDANT	19FTA0040	W M	25		
	CC3929(a)(1)				
19FT02629	5/17/2019	7:59:47PM	ARA	4-FHC	UOF - Handcuffing
				4-FOH	UOF - Open hand/hands on
DEFENDANT	19FTA0048	B M	45		
	42PACS 9161				
19FT02656	5/19/2019	10:01:58AM	CLO	4-FHC	UOF - Handcuffing
SUSPECT	793217	W M	37		
19FT02668	5/19/2019	7:09:09PM	ARA	4-FHC	UOF - Handcuffing
				4-FOH	UOF - Open hand/hands on
DEFENDANT	19FTA0051	W M	69		
	VC3802(a)(1) gen imp				
19FT02671	5/20/2019	10:27:51AM	ECA	4-FHC	UOF - Handcuffing
SUSPECT	700663	W F	17		
19FT02684	5/21/2019	8:01:36AM	CLO	4-FHC	UOF - Handcuffing
VICTIM	592011	W F	56		302 served
19FT02813	5/29/2019	9:44:30AM	ARA	4-FHC	UOF - Handcuffing
				4-FOH	UOF - Open hand/hands on
DEFENDANT	19FTA0055	W M	18		
	23PACS 6114(a)				
19FT02829	5/30/2019	11:24:07AM	CLO	4-FHC	UOF - Handcuffing
OTHER	710058	B M	46		WARRANT SERVICE
19FT02897	6/1/2019	8:53:56PM	CLO	4-FHC	UOF - Handcuffing
OTHER	397775	W F	36		WARRANT SERVICE
19FT02905	6/2/2019	12:14:27AM	ARA	4-FHC	UOF - Handcuffing
DEFENDANT	19FTA0092	W M	51		
	VC3361				
	VC3802(c)				
	VC3802(a)(1) damage				
19FT02934	6/3/2019	1:17:39PM	ARA	4-FHC	UOF - Handcuffing
				4-FOH	UOF - Open hand/hands on
				4-FOR	UOF - Other rest - belt / leg

DEFENDANT	19FTA0059	W	M	19				
	VC3746							
	VC3309							
	VC3744							
	VC3736							
	VC3732.1							
	VC3742.1							
19FT02961		6/5/2019	12:06:05PM		ARA	4-FHC	UOF - Handcuffing	
DEFENDANT	19FTA0065	W	M	19				
	CC3304(a)(5)							
	CC3921(a) BD							
	CC3503(a)(1)(ii)							
	CC3502(a)(2) FO							
19FT02995		6/7/2019	4:51:05AM		ARA	4-FHC	UOF - Handcuffing	
DEFENDANT	19FTA0068	W	M	33				
	VC3802(d)(1)(ii)							
	VC3802(d)(2)							
19FT03403		7/1/2019	3:01:07AM		ARA	4-FHC	UOF - Handcuffing	
DEFENDANT	19FTA0097	W	F	22				
	VC3802(c)							
	VC3802(a)(1) gen imp							
19FT03416		7/2/2019	1:10:21AM		CLO	4-FHC	UOF - Handcuffing	
						4-FOH	UOF - Open hand/hands on	
VICTIM	285723	W	F	35				<i>Medical/combative</i>
19FT03442		7/3/2019	12:01:38AM		CLO	4-FHC	UOF - Handcuffing	
						4-FOH	UOF - Open hand/hands on	
VICTIM	700568	W	F	22				<i>302 served</i>
19FT03497		7/6/2019	12:49:16PM		ARA	4-FHC	UOF - Handcuffing	
						4-FOH	UOF - Open hand/hands on	
DEFENDANT	19FTA0089	W	M	30				
	VC3802(b)							
	VC3736							
	VC3802(d)(3)							
	VC3309							
	VC3802(a)(1) damage							
19FT03659		7/13/2019	3:25:47PM		ARA	4-FHC	UOF - Handcuffing	
DEFENDANT	19FTA0085	W	M	22				
	CC3925(a)							
	CC3921(a) AO							
	CC3502(a)(2) NF							
19FT03674		7/14/2019	12:48:04AM		ARA	4-FHC	UOF - Handcuffing	
						4-FOH	UOF - Open hand/hands on	
DEFENDANT	19FTA0100	W	M	20				
	CC3928(a) AOTH							
	VC3802 base							
	CC6308(a)							
	CC6310.3(a)							
19FT03740		7/18/2019	8:10:56PM		CLO	4-FHC	UOF - Handcuffing	
OTHER	797124	A	F	21				<i>302 served</i>
19FT03828		7/24/2019	11:37:46PM		ARA	4-FHC	UOF - Handcuffing	
						4-FOH	UOF - Open hand/hands on	
DEFENDANT	19FTA0087	W	F	26				
	42PACS 9134							
19FT03829		7/24/2019	11:37:59PM		CLO	4-FHC	UOF - Handcuffing	
						4-FOH	UOF - Open hand/hands on	
SUSPECT	736712	W	M	29				<i>WARRANT</i>
19FT03863		7/27/2019	1:43:13AM		ARA	4-FHC	UOF - Handcuffing	

DEFENDANT	19FTA0105	W	M	20					
	VC3802(a)(1) gen imp		CC6308(a)						
19FT03864		7/27/2019	2:06:08AM		ARA	4-FHC	UOF - Handcuffing		
DEFENDANT	19FTA0090	A	F	42					
	CC5902(a)(1)								
19FT03865		7/27/2019	3:33:55AM		ARA	4-FHC	UOF - Handcuffing		
DEFENDANT	19FTA0107	B	M	25					
	VC3802(a)(1) gen imp		VC1501						
	VC3802(b)								
19FT03904		7/29/2019	7:50:03PM		CLO	4-FHC	UOF - Handcuffing		
OTHER	329756	W	M	29					WARRANT SERVICE
19FT04029		8/5/2019	6:57:17PM		CLO	4-FHC	UOF - Handcuffing		
						4-FOH	UOF - Open hand/hands on		
OTHER	716711	W	M	16					w/ Knife + threatening suicide / 300 sec
19FT04129		8/10/2019	2:46:55AM		ARA	4-FHC	UOF - Handcuffing		
						4-FOH	UOF - Open hand/hands on		
DEFENDANT	19FTA0113	W	M	36					
	VC1301		VC3802(c)						
	VC3802(a)(1) gen imp								
19FT04175		8/12/2019	11:32:45PM		CLO	4-FHC	UOF - Handcuffing		
OTHER	368646	W	M	24					Assist w/ Domestic
19FT04191		8/13/2019	11:59:39PM		ARA	4-FHC	UOF - Handcuffing		
DEFENDANT	19FTA0094	W	M	26					
	CC3304(a)(5)		CC3503(a)(1)(ii)						
19FT04233		8/15/2019	4:39:22PM		CLO	4-FHC	UOF - Handcuffing		
SUSPECT	798085	B	M	44					Traffic stop / Davy Arrest
19FT04278		8/18/2019	12:19:59AM		ARA	4-FHC	UOF - Handcuffing		
						4-FOH	UOF - Open hand/hands on		
DEFENDANT	20FTA0008	W	M	26					
	VC3362		VC3802(a)(1) gen imp						
19FT04316		8/20/2019	12:19:10AM		ARA	4-FHC	UOF - Handcuffing		
DEFENDANT	19FTA0109	W	M	35					
	VC3802(b)		VC3802(a)(1) gen imp						
	VC3309								
19FT04435		8/24/2019	9:44:08AM		ARA	4-FHC	UOF - Handcuffing		
						4-FOH	UOF - Open hand/hands on		
DEFENDANT	19FTA0099	W	M	20					
	23PACS 6114(a)								
19FT04454		8/25/2019	5:12:41AM		ARA	4-FHC	UOF - Handcuffing		
						4-FOH	UOF - Open hand/hands on		
DEFENDANT	20FTA0015	A	M	21					
	VC3802(b)		VC3745						
	VC3802(a)(1) damage								
19FT04620		9/1/2019	12:38:52PM		CLO	4-FHC	UOF - Handcuffing		
SUSPECT	386756	W	M	38					
19FT04633		9/2/2019	12:00:16PM		ARA	4-FHC	UOF - Handcuffing		
						4-FOH	UOF - Open hand/hands on		
DEFENDANT	19FTA0104	W	M	31					
	CC3929(a)(1)								
19FT04700		9/6/2019	1:24:35PM		CLO	4-FHC	UOF - Handcuffing		

19FT04755	9/7/2019	7:40:00PM	ARA	4-FHC	UOF - Handcuffing
DEFENDANT	19FTA0106	W M	30		CC5505
19FT04853	9/12/2019	1:29:40AM	ARA	4-FHC 4-FOH	UOF - Handcuffing UOF - Open hand/hands on
DEFENDANT	19FTA0110	B M	19		CC2709(a)(1) CC2701(a)(1)
19FT04952	9/15/2019	5:23:20PM	CLO	4-FHC	UOF - Handcuffing
OTHER	800357	W M	18		Assist PTPD w/ Prisoners
19FT04954	9/15/2019	6:34:38PM	CLO	4-FOH	UOF - Open hand/hands on
OTHER	534007	W F	42		Knife / DV / Investigation
19FT04970	9/16/2019	3:23:41PM	ARA	4-FHC	UOF - Handcuffing
DEFENDANT	19FTA0111	W M	58		CC5503(a)(1) CC5503(a)(1)
19FT05027	9/18/2019	2:28:44PM	ARA	4-FHC	UOF - Handcuffing
DEFENDANT	20FTA0006	W M	40		VC3802(d)(1)(iii) VC3802(d)(1)(ii) VC3802(d)(1)(i) VC3802(d)(2) VC1543
19FT05051	9/14/2019	11:35:00AM	CLO	4-FHC 4-FOH	UOF - Handcuffing UOF - Open hand/hands on
OTHER	800230	W F	19		Assist PSUPD w/ Drunk / Football
19FT05201	9/25/2019	1:13:49PM	ARA	4-FHC 4-FOH	UOF - Handcuffing UOF - Open hand/hands on
DEFENDANT	19FTA0121	W F	33		CC5505
19FT05263	9/28/2019	12:51:43AM	ARA	4-FHC 4-FOH	UOF - Handcuffing UOF - Open hand/hands on
DEFENDANT	19FTA0133	W M	25		VC3802(b) VC3802(a)(1) gen imp
19FT05432	10/5/2019	1:49:40AM	ARA	4-FHC 4-FOH	UOF - Handcuffing UOF - Open hand/hands on
DEFENDANT	20FTA0012	A M	22		VC3802(b) VC3802(a)(1) gen imp VC3362
19FT05467	10/6/2019	5:09:20AM	ARA	4-FHC	UOF - Handcuffing
DEFENDANT	19FTA0124	B F	21		CC2701(a)(1) CC3503(a)(1)(ii) CC2709(a)(1)
DEFENDANT	19FTA0125	B M	23		CC3502(a)(1)(i) FO CC3502(a)(1)(i) FO CC2701(a)(1) CC3503(a)(1)(ii) CC2709(a)(1)
19FT05563	10/9/2019	3:02:19AM	ARA	4-FHC	UOF - Handcuffing
DEFENDANT	19FTA0154	W M	21		VC3802(b) VC3802(a)(1) gen imp
19FT05626	10/11/2019	1:50:41AM	ARA	4-FHC	UOF - Handcuffing

DEFENDANT	19FTA0155	A	M	22						
	VC3802(c)									
	VC3802(a)(1) gen imp									
19FT05762		10/16/2019	9:32:30PM		CLO	4-FHC	UOF - Handcuffing			
OTHER	739508	B	F	26						Assist PTPD w/ ARREST / Freshthon
19FT05786		10/17/2019	6:09:25PM		ARA	4-FHC	UOF - Handcuffing			
						4-FOH	UOF - Open hand/hands on			
DEFENDANT	19FTA0132	W	F	36						
	35PS 780-113(a)(30) CO									
	35PS 780-113(a)(16) CO									
	CC3929(a)(1)									
DEFENDANT	20FTA0023	W	F	36						
	35PS 780-113(a)(30) CO									
19FT05831		10/19/2019	10:44:46PM		CLO	4-FOH	UOF - Open hand/hands on			
19FT05892		10/22/2019	3:06:09PM		CLO	4-FHC	UOF - Handcuffing			
						4-FOH	UOF - Open hand/hands on			
OTHER	785630	B	F	23						Assist PTPD w/ DC ARREST
19FT06124		11/2/2019	3:12:03AM		INF	4-FOH	UOF - Open hand/hands on			
OTHER	804099	B	M	20						Early Drug Investigation
19FT06470		11/19/2019	1:00:29AM		ARA	4-FHC	UOF - Handcuffing			
DEFENDANT	20FTA0004	W	M	22						
	VC1543									
	VC3802(c)									
	VC3802(a)(1) gen imp									
19FT06485		11/19/2019	2:45:19PM		CLO	4-FHC	UOF - Handcuffing			
						4-FOH	UOF - Open hand/hands on			
OTHER	552780	W	M	29						302 served
19FT06505		11/20/2019	8:21:49AM		CLO	4-FHC	UOF - Handcuffing			
SUSPECT	586849	W	F	30						
19FT06720		12/1/2019	2:27:37AM		ARA	4-FHC	UOF - Handcuffing			
						4-FOH	UOF - Open hand/hands on			
DEFENDANT	20FTA0016	W	F	23						
	VC3802(b)									
	VC1501									
	VC3802(a)(1) gen imp									
19FT06778		12/4/2019	6:39:35PM		ARJ	4-FHC	UOF - Handcuffing			
						4-FOH	UOF - Open hand/hands on			
DEFENDANT	19FTA0149									
	CC2701(a)(1)									
19FT06861		12/8/2019	2:01:40PM		ARA	4-FHC	UOF - Handcuffing			
						4-FOH	UOF - Open hand/hands on			
DEFENDANT	20FTA0007	W	F	33						
	VC3802(a)(1) gen imp									
	VC3802(c)									
19FT07009		12/16/2019	7:55:34PM		UNF	4-FHC	UOF - Handcuffing			
OTHER	806403	W	M	53						Male threatening employees
19FT07073		12/20/2019	1:04:24PM		CLO	4-FHC	UOF - Handcuffing			
OTHER	397775	W	F	36						WARRANT
19FT07101		12/22/2019	3:20:44AM		ARA	4-FHC	UOF - Handcuffing			
DEFENDANT	20FTA0019	W	M	22						
	VC3745									
	VC3802(a)(1) gen imp									
	VC3802(c)									
19FT07117		12/23/2019	5:52:45AM		CLO	4-FHC	UOF - Handcuffing			
						4-FOH	UOF - Open hand/hands on			
OTHER	769266	W	F	46						CRASH / 302
19FT07130		12/24/2019	2:04:57PM		ARA	4-FHC	UOF - Handcuffing			
						4-FOH	UOF - Open hand/hands on			

DEFENDANT	20FTA0030	W	F	54				
	VC3802(c)							
	VC3802(a)(1) gen imp							
19FT07167		12/28/2019	3:15:11AM		ARA	4-FHC	UOF - Handcuffing	
DEFENDANT	20FTA0013	W	M	26				
	VC3802(a)(1) gen imp							
	VC3362							
	VC3802(c)							
19FT07175		12/29/2019	1:59:10AM		ARA	4-FHC	UOF - Handcuffing	
DEFENDANT	20FTA0025	W	M	39				
	VC3802(a)(1) gen imp							
	VC1301							
	VC3802(c)							
19FT07200		12/31/2019	2:38:17PM		CLO	4-FHC	UOF - Handcuffing	
OTHER	784057	W	F	44				
								WARRANT SERVICE



USE OF FORCE SUMMARY REPORT

Reported 1/1/2020 12:00:01AM to 5/31/2020 11:59:59PM

7/10/2020

4-FDG	UOF - Display firearm	2
4-FHC	UOF - Handcuffing	32
4-FOH	UOF - Open hand/hands on	21
4-FOI	UOF - Officer injury	2
4-FOR	UOF - Other rest - belt / leg	4
4-FSI	UOF - Suspect injury	1
4-FTD	UOF - Taser display	2
4-UOF	UOF - Use of force	34

FTPD USE OF FORCE DETAILS REPORT

For incidents Reported 1/1/2020 12:00:01AM to 5/31/2020 11:59:59PM

7/10/2020

20FT00171	1/12/2020	3:49:26PM	ARA	4-FHC 4-FOH 4-FOI 4-FOR 4-FTD	UOF - Handcuffing UOF - Open hand/hands on UOF - Officer injury UOF - Other rest - belt / leg UOF - Taser display
DEFENDANT	20FTA0028	W M	28		
	CC2709(a)(1) CC2701(a)(1) CC3307(a)(3) CC2702(a)(3) HF				302 WARRANT
20FT00182	1/13/2020	9:29:20AM	ARA	4-FHC 4-FOR	UOF - Handcuffing UOF - Other rest - belt / leg
DEFENDANT	20FTA0005	W M	34		
	CC2718(a)(2) HF CC2701(a)(1)				
20FT00308	1/18/2020	5:08:05AM	ARA	4-FHC	UOF - Handcuffing
DEFENDANT	20FTA0020	A F	31		
	VC3802(c) VC3802(a)(1) damage				
20FT00414	1/24/2020	9:28:22PM	CLO	4-FHC	UOF - Handcuffing
OTHER	691469	B M	24		DOMESTIC VIOLENCE WARRANT
20FT00536	1/31/2020	5:28:44AM	CLO	4-FHC 4-FOH 4-FOR	UOF - Handcuffing UOF - Open hand/hands on UOF - Other rest - belt / leg
	ASSIST PTPD w/ violent burglary suspect				
20FT00688	2/8/2020	10:03:34PM	CLO	4-FHC	UOF - Handcuffing
SUSPECT	541484	W M	29		
20FT00693	2/9/2020	2:22:33AM	ARA	4-FHC	UOF - Handcuffing
DEFENDANT	20FTA0033	W M	28		
	VC3802(c) VC3714 VC3802(a)(1) gen imp				
20FT00705	2/10/2020	12:40:19AM	CLO	4-FOH	UOF - Open hand/hands on
SUSPECT/A	481202	W M	33		
20FT00831	2/17/2020	3:16:43PM	ARA	4-FHC 4-FOH	UOF - Handcuffing UOF - Open hand/hands on
DEFENDANT	20FTA0032	W M	39		
	CC3929(a)(3)				
20FT00863	2/18/2020	9:45:30PM	ARA	4-FHC	UOF - Handcuffing
DEFENDANT	20FTA0018	W M	47		
	23PACS 6114(a)				
20FT00969	2/24/2020	3:49:55PM	CLO	4-FHC	UOF - Handcuffing
SUSPECT	809534	W M	28		
20FT01037	2/28/2020	9:30:38PM	CLO	4-FHC	UOF - Handcuffing
OTHER	305895	W M	83		STRIKING STAFF EMS o Police / Handcuffed Person
20FT01054	2/29/2020	1:21:55AM	ARA	4-FHC	UOF - Handcuffing
DEFENDANT	20FTA0052	B M	23		
	VC3802(c) VC3802(a)(1) gen imp				
20FT01055	2/29/2020	2:04:15AM	ARA	4-FHC 4-FOH	UOF - Handcuffing UOF - Open hand/hands on

DEFENDANT	20FTA0053	W	M	29				
	35PS 780-113(a)(32)							
	35PS 780-113(a)(31) MJ							
	CC4910(1)							
	VC3308							
	VC3802(a)(1) refusal							
20FT01086		3/1/2020	1:31:29AM		ARA	4-FHC	UOF - Handcuffing	
DEFENDANT	20FTA0041	W	M	23				
	VC3802(b)							
	VC3802(a)(1) gen imp							
20FT01099		3/1/2020	8:23:00PM		ARA	4-FHC	UOF - Handcuffing	
DEFENDANT	20FTA0026	W	F	36				
	CC2903(a)							
	CC2902(a)(1)							
	CC2705							
	CC2706(a)(1)							
	CC2701(a)(1)							
	CC2701(a)(3) SA							
	CC2709(a)(1)							
20FT01103		3/2/2020	2:04:56AM		ARA	4-FHC	UOF - Handcuffing	
DEFENDANT	20FTA0050	W	M	25				
	VC3802(a)(1) damage							
20FT01152		3/4/2020	6:01:40PM		OPN	4-FHC	UOF - Handcuffing	
SUSPECT	186977	W	M	40				
20FT01180		3/6/2020	2:48:22AM		ARA	4-FHC	UOF - Handcuffing	
						4-FOH	UOF - Open hand/hands on	
DEFENDANT	20FTA0047	W	F	41				
	VC3802(c)							
	VC4302							
	CC3928(a) AOTH							
	VC3802(a)(1) gen imp							
20FT01192		3/7/2020	12:26:47AM		ARA	4-FHC	UOF - Handcuffing	
						4-FOH	UOF - Open hand/hands on	
DEFENDANT	20FTA0048	W	M	31				
	VC3802(c)							
	VC3362							
	VC1543							
	VC3802(a)(1) gen imp							
20FT01210		3/8/2020	8:26:52PM		OPN	4-FHC	UOF - Handcuffing	
						4-FOH	UOF - Open hand/hands on	
OTHER	549393	A	M	38				<i>DUI / Child Abuse</i>
20FT01235		3/9/2020	8:54:48PM		ARA	4-FHC	UOF - Handcuffing	
						4-FOH	UOF - Open hand/hands on	
DEFENDANT	20FTA0031	W	M	46				
	VC3802(a)(1) gen imp							
	CC4304(a)(1)							
20FT01318		3/15/2020	10:44:47AM		ARA	4-FHC	UOF - Handcuffing	
						4-FOH	UOF - Open hand/hands on	
DEFENDANT	20FTA0029	W	M	45				
	CC2706(a)(1)							
20FT01323		3/15/2020	6:23:26PM		CLO	4-FHC	UOF - Handcuffing	
						4-FOH	UOF - Open hand/hands on	
SUSPECT	288967	W	F	48				
20FT01324		3/15/2020	6:23:52PM		CLO	4-FDG	UOF - Display firearm	
						4-FHC	UOF - Handcuffing	
						4-FOH	UOF - Open hand/hands on	
OTHER	810850	W	M	19				<i>Assist PTPD w/stop of stolen vehicle</i>
20FT01351		3/17/2020	5:00:27PM		ARA	4-FHC	UOF - Handcuffing	
						4-FOH	UOF - Open hand/hands on	

DEFENDANT	20FTA0039	W	M	36					
	VC3743								
	VC3802(c)								
	VC3802(a)(1) gen imp								
20FT01450		3/28/2020	3:04:02PM		CLO	4-FHC	UOF - Handcuffing		
						4-FOH	UOF - Open hand/hands on		
OTHER	590533	W	F	59					302 WARRANT SERVED
20FT01572		4/7/2020	12:54:35PM		ARA	4-FHC	UOF - Handcuffing		
						4-FOH	UOF - Open hand/hands on		
						4-FOI	UOF - Officer injury		
						4-FOR	UOF - Other rest - belt / leg		
						4-FSI	UOF - Suspect injury		
						4-FTD	UOF - Taser display		
DEFENDANT	20FTA0042	W	M	35					
	CC3307(a)(3)								
	35PS 780-113(a)(16) MJ								
	CC5503(a)(1) FI								
	CC2701(a)(1)								
	CC5104								
	CC2702(a)(3) HF								
20FT01611		4/10/2020	1:46:41PM		ECA	4-FDG	UOF - Display firearm		
						4-FOH	UOF - Open hand/hands on		
SUSPECT	574663	W	M	24					MALE brandishing handgun / Determined to be TASI
20FT01787		4/29/2020	1:38:03AM		ARA	4-FHC	UOF - Handcuffing		
						4-FOH	UOF - Open hand/hands on		
DEFENDANT	20FTA0049	W	M	49					
	CC3934(a)								
	CC3928(a) AOTH								
	CC3304(a)(1) CM								
	CC5505								
20FT01842		5/4/2020	4:42:31AM		ARA	4-FHC	UOF - Handcuffing		
						4-FOH	UOF - Open hand/hands on		
DEFENDANT	20FTA0036	W	M	31					
	CC2903(a)								
	CC2705								
	CC2701(a)(3) SA								
	CC2902(a)(1)								
	CC2709(a)(1)								
20FT01910		5/9/2020	4:22:55PM		CLO	4-FHC	UOF - Handcuffing		
						4-FOH	UOF - Open hand/hands on		
20FT01960		5/12/2020	8:13:43PM		ARA	4-FHC	UOF - Handcuffing		
						4-FOH	UOF - Open hand/hands on		
DEFENDANT	20FTA0037	B	M	47					
	CC2709(a)(1)								
	CC2701(a)(1)								
20FT02130		5/24/2020	1:33:20AM		ARA	4-FHC	UOF - Handcuffing		
						4-FOH	UOF - Open hand/hands on		
DEFENDANT	20FTA0046	W	M	28					
	CC2709(a)(1)								
	CC2701(a)(1)								

CHAPTER 7 FIRE SAFETY REQUIREMENTS

SECTION 701 GENERAL

701.1 Scope. The provisions of this chapter shall govern the minimum conditions and standards for fire safety relating to *structures* and exterior *premises*, including fire safety facilities and equipment to be provided.

701.2 Responsibility. The *owner* of the *premises* shall provide and maintain such fire safety facilities and equipment in compliance with these requirements. A *person* shall not occupy as *owner-occupant* or permit another *person* to occupy any *premises* that do not comply with the requirements of this chapter.

[F] SECTION 702 MEANS OF EGRESS

702.1 General. A safe, continuous and unobstructed path of travel shall be provided from any point in a building or *structure* to the *public way*. *Means of egress* shall comply with the *International Fire Code*.

702.1.1 Means of egress lighting. All *means of egress* in *Use Groups R-1, R-2, and R-4* shall be equipped with artificial and emergency lighting and exit signs in accordance with the requirements for new buildings in the *International Building Code* listed in Chapter 11.

702.2 Aisles. The required width of aisles in accordance with the *International Fire Code* shall be unobstructed.

702.3 Locked doors. All *means of egress* doors shall be readily openable from the side from which egress is to be made without the need for keys, special knowledge or effort, except where the door hardware conforms to that permitted by the *International Building Code*.

702.3.1 Doors and gates. Doors, gates, and their hardware shall be installed and maintained in accordance with the *International Building Code* Section 1008.

702.4 Emergency escape openings. Required emergency escape openings shall be maintained in accordance with the code in effect at the time of construction, and the following. Required emergency escape and rescue openings shall be operational from the inside of the room without the use of keys or tools. Bars, grilles, grates or similar devices are permitted to be placed over emergency escape and rescue openings provided the minimum net clear opening size complies with the code that was in effect at the time of construction and such devices shall be releasable or removable from the inside without the use of a key, tool or force greater than that which is required for normal operation of the escape and rescue opening.

702.4.1 Emergency escape requirements. Every sleeping room located in a *basement* in an *occupancy* Use Group I-1 or R shall have at least one operable window or exterior door *approved* for emergency egress or rescue, or shall have access to not less than 2 *approved* independent exits. An outside window or exterior door for emergency escape is not required in buildings equipped throughout with an automatic sprinkler system in accordance with Section 903.3.1.1 or Section 903.3.1.2 of the *International Fire Code*. Each emergency escape and rescue window shall have a minimum net clear opening of 5.7 square feet (0.53 m²). The net clear opening shall be at least 24 inches (610 mm) in height and at least 20 inches (508 mm) in width. The net clear opening dimensions shall be obtained by the normal operation of the window from the inside. The bottom of the net clear opening shall not be more than 44 inches (1118 mm) above the floor. The minimum net clear opening for grade floor windows shall be 5 square feet (0.47 m²).

This section shall apply retroactively to all existing rental properties.

702.4.1.1 Emergency escape window wells. The area of the window well shall allow the emergency escape and rescue opening to be fully opened. Window wells with a vertical depth greater than 44 inches shall be equipped with a permanently affixed ladder or steps usable with the window in the fully open position. Ladders

shall project at least 3 inches from the wall and rungs or steps shall be spaced not more than 18 inches on center vertically for the full height of the window well and *guard* if installed.

702.4.1.2 Bars, grilles, covers and screens.

Bars, grilles, covers, screens or similar devices are permitted to be placed over emergency escape and rescue openings, bulkhead enclosures, or window wells that serve such openings. Such devices shall be releasable from the inside without the use of a key, tool, special knowledge or force greater than that which is required for normal operation of the escape and rescue opening.

702.4.1.3 Emergency escape windows under decks and porches. Emergency escape windows are allowed to be installed under decks and porches provided the location of the deck allows the emergency escape window to be fully opened and provides a clear path of not less than 36 inches in height to a *yard* or *court*.

702.5 Corridor enclosure. Multi-family buildings with one exit as permitted in the building code, and all corridors serving an *occupant* load greater than 30 and the openings therein shall provide an effective barrier to resist the movement of smoke. All transoms, louvers, doors, and other openings shall be closed or shall be self-closing.

Exception: Corridors that are in compliance with the *International Building Code*.

702.6 Number of exits. In residential buildings (not including *One or Two Family Dwellings*), every *story* exceeding 2 stories above grade shall be provided with not less than 2 independent exits. In stories where more than 1 exit is required, all *occupants* shall have access to at least 2 exits. Every occupied *story* which is both totally below grade and greater than 2,000 square feet shall be provided with not less than 2 independent exits.

Exception: A single exit is acceptable under any one of the following conditions:

1. Where the building is equipped throughout with an automatic sprinkler system and an automatic fire detection system with smoke detectors located in all corridors, lobbies and common areas.

2. Where the building is equipped throughout with an automatic fire detection system and the exit is an *approved* smoke-proof enclosure or pressurized *stairway*.
3. Where an existing *fire escape* conforming to the *International Building Code, 2009 edition* is provided in addition to the single exit.
4. Where permitted by the International Building Code, 2009 edition.

702.6.1 [1, 4, 5] Three story one or two family dwelling. Any existing *one or two family dwellings* having *habitable space*, not including kitchens, on the third floor must provide two *approved means of egress* from this space. Newly constructed *stairways* will be in accordance with the *International Residential Code*, as amended or as *approved* by the *code official*. Existing windows can be used for access to the *stairway* providing that the window meets the requirements of an egress window in accordance with 702.4.1 of this code. If an opening does not exist the new opening must be a doorway of an *approved* dimension in accordance with the *International Residential Code*.

Exception: A *one or two family dwelling* protected throughout with an *approved* automatic sprinkler system.

702.7 Egress through intervening spaces. In Properties receiving a rental housing permit for the first time on or after November 22, 2004, egress shall not pass through kitchens, storage rooms closets or spaces used for similar purposes. An exit access shall not pass through a room that can be locked to prevent egress. *Means of egress from dwelling units* or sleeping areas shall not lead through other sleeping areas, *toilet rooms* or *bathrooms*.

Exception: *Means of egress* are not prohibited through a kitchen area serving adjoining rooms constituting part of the same *dwelling unit*.

Egress from a *rooming unit* within a *rooming house* is not exempt from this Section in accordance with the *International Building Code*, Section 1013.2.

[F] SECTION 703
FIRE-RESISTANCE RATINGS

703.1 Maintenance. The required *fire-resistance rating* of fire-resistance-rated construction (including walls, firestops, shaft enclosures, partitions, *smoke barriers*, floors, fire-resistive coatings and sprayed fire-resistant materials applied to structural members and fire-resistant joint systems) shall be maintained. Such elements shall be visually inspected by the *owner* annually and properly repaired, restored or replaced when damaged, altered, breached or penetrated. Where concealed, such elements shall not be required to be visually inspected by the *owner* unless the concealed space is accessible by the removal or movement of a panel, access door, ceiling tile or similar movable entry to the space. Openings made therein for the passage of pipes, electrical conduit, wires, ducts, air transfer openings and holes made for any reason shall be protected with *approved* methods capable of resisting the passage of smoke and fire. Openings through fire-resistance-rated assemblies shall be protected by self- or automatic-closing doors of *approved* construction meeting the fire protection requirements for the assembly.

703.1.1 Fireblocking and draftstopping.

Required *fireblocking* and draftstopping in combustible concealed spaces shall be maintained to provide continuity and integrity of the construction.

703.1.2 Smoke barriers and smoke partitions.

Required *smoke barriers* and smoke partitions shall be maintained to prevent the passage of smoke. All openings protected with *approved* smoke barrier doors or smoke dampers shall be maintained in accordance with NFPA 105.

703.1.3 Fire walls, fire barriers and fire partitions. Required *fire walls*, *fire barriers* and *fire partitions* shall be maintained to prevent the passage of fire. All openings protected with *approved* doors or fire dampers shall be maintained in accordance with NFPA 80.

703.2 Opening protectives. Opening protectives shall be maintained in an operative condition in accordance with NFPA 80. Fire doors and *smoke barrier* doors shall not be blocked or obstructed or otherwise made inoperable. Fusible links shall be replaced promptly whenever fused or damaged. Fire door assemblies shall not be modified.

703.2.1 Fire resistive glazing. Exterior wall openings within 10 feet (3048 mm) of an existing *fire escape* or exterior *stairway* shall be protected with fire rated glazing or other *approved* means in accordance with the *International Building Code*.

Exception: Opening protection is not required when the building is equipped throughout with an *approved* automatic sprinkler system.

703.2.2 Operable windows. For buildings with an initial certificate of *occupancy* dated prior to January 1, 2013 when *non-compliant* windows are being replaced that are within 10 feet (3048 mm) of a *fire escape* or *exterior stair* those windows that are not needed to meet the requirements of Section 403 of this code or a required means of emergency egress shall be made permanently inoperable, equipped with an *approved* fire shutter, or replaced with a fixed pane window assembly. All operable replacement windows in this area shall still meet the fire rating requirements of the *International Building Code*.

Exception: Opening protection is not required when the building is equipped throughout with an *approved* automatic sprinkler system.

703.3 Dwelling/garage opening/penetration protection. Openings and penetrations through the walls or ceilings separating the *dwelling* from the garage shall be in accordance with Sections 703.3.1 through 703.3.3.

703.3.1 Opening protection. Openings from a private garage directly into a room used for sleeping purposes shall not be permitted. Other openings between the garage and residence shall be equipped with solid wood doors not less than 1-3/8 inches (35 mm) in thickness, solid or honeycomb core steel doors not less than 1-3/8 inches (35 mm) thick, or 20-minute fire-rated doors.

703.3.2 Duct penetration. Ducts in the garage and ducts penetrating the walls or ceilings separating the *dwelling* from the garage shall be constructed of a minimum No. 26 gage (0.48 mm) sheet steel or other *approved* material and shall have no openings into the garage.

703.3.3 Other penetrations. Penetrations through the separation required in due to a carport shall be protected as required by Section 703.3.3.1.

703.3.3.1 Fireblocking. At openings around vents, pipes, ducts, cables and wires at ceiling and floor level, with an *approved* material to resist the free passage of flame and products of combustion. The material filling this annular space shall not be required to meet the ASTM E 136 requirements.

and be installed extending to the perpendicular projection of the edge of the cooking appliance at a minimum. The barrier shall be mounted in such a way that there is a minimum of 1 inch (25.4 mm) clear space between the combustible surface and the barrier.

703.4 Clearance to combustibles above ranges. A minimum of 30 inches (762 mm) clear space shall be maintained vertically between the cooking surface and any combustible materials; this can be reduced to a minimum clear space of 24 inches (610 mm) if a metal barrier is installed between the cooking surface and the combustible material. The metal barrier shall be a steel sheet with minimum thickness of 24 AWG

703.5 Dwelling/garage fire separation. The garage shall be separated as required by Table 703.5 including structural elements supporting the required separation elements. Openings in garage walls shall comply with Section 703.3. This provision does not apply to garage walls that are perpendicular to the adjacent *dwelling unit* wall.

Table 703.5
Dwelling/Garage Separation

SEPARATION	MATERIAL
From the residence and attics	Not less than 1/2-inch gypsum board or equivalent applied to the garage side
From all habitable rooms above the garage	Not less than 5/8-inch Type X gypsum board or equivalent
Structure(s) supporting floor/ceiling assemblies used for separation required by this section	Not less than 1/2-inch gypsum board or equivalent
Garages located less than 3 feet from a dwelling unit on the same lot	Not less than 1/2-inch gypsum board or equivalent applied to the interior side of exterior walls that are within this area

For SI: 1 inch = 25.4 mm, 1 foot = 304.8 mm.

**[F] SECTION 704
FIRE PROTECTION SYSTEMS**

704.1 General. All systems, devices and equipment to detect a fire, actuate an alarm, or suppress or control a fire or any combination thereof shall be maintained in an operable condition at all times in accordance with the *International Fire Code*.

Dwellings or dwelling units with split levels and without an intervening door between the adjacent levels: A smoke alarm installed on the upper level shall suffice for the adjacent lower level provided that the lower level is less than one full *story* below the upper level.

704.1.1 Automatic sprinkler systems. Inspection, testing and maintenance of automatic sprinkler systems shall be in accordance with NFPA 25.

Use Group R-1: A smoke alarm shall be installed in each sleeping room and the immediate vicinity of the sleeping rooms and in every room in the path of the *means of egress* from the sleeping area to the door leading from the *sleeping unit*.

704.2 Smoke alarms. A minimum of one *approved* single-station or multiple-station smoke alarm, supplied from an *approved* power source is required as follows:

One or two family dwellings: A smoke alarm shall be installed in each sleeping room, outside each sleeping area in the immediate vicinity of the *bedrooms* and on each additional *story* of the dwelling, including *basements* but not including crawl spaces and uninhabitable attics.

50 The following notation [] behind the section number denotes that the *Municipality* has either not adopted this section or if "A" follows the number they have altered the section and the alteration can be found in the appropriate municipal ordinance appendix.
1. College Township; 2. Ferguson Township; 3. Halfmoon Township; 4. Harris Township; 5. Patton Township; 6. Borough of State College; 7. Borough of Bellefonte

Use Groups R-2, R-3, R-4 and I-1. Single or multiple-station smoke alarms shall be installed and maintained in Groups *R-2, R-3, R-4* and *I-1* regardless of *occupant load* at all of the following locations:

1. On the ceiling or wall outside of each separate sleeping area in the immediate vicinity of *bedrooms*.
2. In each room used for sleeping purposes.
3. In each *story* within a *dwelling unit*, including *basements* but not including crawl spaces and uninhabitable attics. In *dwelling units* or *dwelling units* with split levels and without an intervening door between the adjacent levels, a smoke alarm installed on the upper level shall suffice for the adjacent lower level provided that the lower level is less than one full *story* below the upper level.

Smoke alarms shall be required on every *story* and *basement* in all residential *dwelling units*.

Smoke alarms shall be required in the common areas of the building serving more than one *dwelling unit*.

All smoke alarms must be placed so that a minimum decibel level of 70 dB can be heard in all occupied spaces of the unit when the smoke alarm is sounded.

704.2.1 Smoke detector maintenance. It shall be the responsibility of the property *owner* or *person-in-charge* to provide a functioning smoke detector at the beginning of each lease period. *Tenants* are responsible to maintain the smoke detector in a functional condition at all times after starting *occupancy*. Removal of the battery or power source from a smoke detector, making the detector inoperable, or tampering with the detector in any way, is a *violation* of this code and subjects that *person* to the *violation* penalties.

704.2.2 Installation near cooking appliances. Smoke alarms shall not be installed in the following locations unless this would prevent placement of a smoke alarm in a location required by other sections of this code.

1. Ionization smoke alarms shall not be installed less than 20 feet (6096 m) horizontally from a permanently installed cooking appliance.
2. Ionization smoke alarms with an alarm-silencing switch shall not be installed less than

- 10 feet (3048 mm) horizontally from a permanently installed cooking appliance.
3. Photoelectric smoke alarms shall not be installed less than 6 feet (1829 mm) horizontally from a permanently installed cooking appliance.

704.2.3 Installation near bathrooms. Smoke alarms shall be installed not less than 3 feet (914 mm) horizontally from the door or opening of a *bathroom* that contains a bathtub or shower unless this would prevent placement of a smoke alarm required by other sections of this code.

704.2. Power source. Required smoke alarms shall receive their primary power from the building electrical system and shall be equipped with a battery backup. Smoke alarms shall emit a signal when the batteries are low. Wiring shall be permanent and without a disconnecting switch other than as required for overcurrent protection.

Exception: Existing properties with a current rental housing permit prior to the effective date of the municipal adoption of the 2006 International Property Maintenance Code, upon approval, may install tamper resistant battery operated smoke detectors provided that the detector is capable of interconnection as described in Section 704.4.

704.2.4.1 Smoke alarm circuits. Smoke alarms required by this code and installed within *dwelling units* shall not be connected as the only load on a branch circuit. Such detectors shall be supplied by branch circuits having lighting loads consisting of lighting outlets in *habitable spaces* in accordance with the *National Electrical Code, NFPA 70*. All smoke alarms shall be listed and installed in accordance with the provisions of this code and the National Fire Alarm Code NFPA-72.

704.2.5 Interconnection. When more than one smoke alarm is required to be installed within an individual *dwelling unit* the alarm devices shall be interconnected in such a manner that the actuation of one alarm will activate all of the alarms in the individual unit. Common area smoke alarms (not located within a *dwelling* or *rooming unit*) shall be interconnected such that the actuation of one common area alarm will cause all of the common area alarms or notification appliances to sound. Interconnection may be accomplished by wireless transmission or other means provided that the

method of interconnection is *approved* by the *code official*.

Exception: Interconnection is not required within the *dwelling unit* where existing buildings have *dwelling unit* separations and a sprinkler system installed in accordance with the *International Building Code* or *International Residential Code*.

704.2.6 Compliance time. For properties receiving a rental housing permit for the first time after the effective date of the municipal adoption of the 2006 International Property Maintenance Code, compliance with all smoke alarm requirements is required prior to *occupancy*.

704.2.7 Smoke detection system. Smoke detectors listed in accordance with UL 268 and provided as part of the building's fire alarm system shall be an acceptable alternative to single- and multiple-station smoke alarms and shall comply with the following:

1. The fire alarm system shall comply with all applicable requirements in Section 907 of the *International Fire Code*.
2. Activation of a smoke detector in a dwelling or *sleeping unit* shall initiate alarm notification in the *dwelling* or *sleeping unit* in accordance with Section 907.5.2 of the *International Fire Code*.
3. Activation of a smoke detector in a *dwelling* or *sleeping unit* shall not activate alarm notification appliances outside of the *dwelling* or *sleeping unit*, provided that a supervisory signal is generated and monitored in accordance with Section 907.6.5 of the *International Fire Code*.

704.3 Reserved

704.4 Reserved

704.5 Reserved

704.6 Fire extinguishers. Rental housing buildings or units of *Use Group R-2, R-3, R-4* and One and Two Family Dwellings shall have one 2.5- pound type ABC (1-A:10-B:C) portable fire extinguisher placed in the kitchen area of each *dwelling unit*. In *Use Group R-1* and *R-2 Rooming Houses* and Fraternities, a 5-pound type ABC fire extinguisher with a minimum 2A rating shall be provided in

corridors, those provided in other areas shall be in accordance with the International Fire Code.

Exception. Disposable fire extinguishers that are UL listed and meet the requirements of NFPA 10 shall be *approved* for use as listed, but in no way more than 6 years from the date of manufacture. These disposable extinguishers are exempted from the requirements to be inspected annually by a 3rd party trained individual. It is the responsibility of the property *owner* to inspect the extinguisher annually, certifying that the extinguisher is in good working condition and that the extinguisher is charged and ready for use. The individual inspecting the extinguisher shall permanently affix the date that the inspection occurred and the initials of the inspector to the extinguisher.

Exception. In B, M, S, and U occupancies with a gross *tenant* area less than 500 sf are not required to provide a fire extinguisher in the *tenant* space provided the travel distance to the closest fire extinguisher is within 75 feet and that access is provided to the *tenant* without the use of keys or special locking mechanisms any time that the building is occupied.

704.6.1 Fire extinguisher maintenance. All fire extinguishers shall be inspected and maintained annually in accordance with NFPA 10, the Standard for Portable Extinguishers. Inspections of fire extinguishers must be conducted by a certified extinguisher technician as defined by the Pennsylvania Fire Equipment Distributors (PAFED) or the National Fire Equipment Distributors (NAFED) specifications, or equivalent as *approved* by the *code official*.

704.7 Maintenance of fire protection systems. All fire protection systems (automatic fire alarms, manual fire alarms, sprinkler systems, fire extinguishers and automatic fire extinguishing systems) shall be tested and maintained in accordance with the NFPA standards specific to the type of system. The *Owner* is responsible for inspecting and maintaining these systems.

Failure to maintain a fire protection system in an operable condition at all times and complete the required inspections is a *violation* of this code and subject to the provisions of Sections 106.3 and 106.3.1 and the *owner* is exempt from the notification requirements of Section 107.

⁵² The following notation [] behind the section number denotes that the *Municipality* has either not adopted this section or if "A" follows the number they have altered the section and the alteration can be found in the appropriate municipal ordinance appendix.
1. College Township; 2. Ferguson Township; 3. Halfmoon Township; 4. Harris Township; 5. Patton Township; 6. Borough of State College; 7. Borough of Bellefonte

704.8 Tampering. Any person tampering or interfering with the effectiveness of a smoke detector, emergency lighting, exit signs, fire extinguisher, sprinkler system, suppression system, alarm system, or anyone obstructing a fire exit or propping open a fire door or compromising any other life safety aspects of the *structure*, shall be in *violation* of this code and subject to the provisions of Sections 106.3 and 106.3.1 and the *person(s)* are exempt from the notification requirements of Section 107.

704.9 Fire safety certification.

1. At the beginning of each lease period and at least annually thereafter, the *Owner* shall provide all *tenants* on the lease with a signed certification that all fire extinguishers, smoke alarms, and carbon monoxide detectors where required are in working condition. It shall be the responsibility of the *tenant(s)* to verify that the life safety equipment, smoke alarms, and carbon monoxide detectors where provided are in working condition and the fire extinguisher is inspected and charged, sign the certification and return it to the landlord. All *tenants* on a lease shall sign the Certification. The *Owner* shall maintain the original Certification Document and make it available to the *Code Official* upon request.
2. Any *tenant* or *Owner* failing to execute the Certification shall be in *violation* of this section and subject to the penalties set forth in Section 106.3. Neither the *Owner* nor the *tenant(s)* shall be responsible for the failure of any other party to execute the Certification.
3. In addition to the *Tenant* Notification requirements contained in Section 803.3, the *Owner* shall provide the *tenant* with instruction on how to report deficiencies with these fire safety systems.

At any time during the lease period when the *Code Official* finds that tampering has occurred as set forth in Section 704.8 of this Chapter, it shall be a *violation*.

Exception: The *tenant* has to report a deficiency to the *owner's* agent or maintenance number immediately after the deficiency is detected or if the system is malfunctioning.

704.9.1 Certification verification. Any time the *Code Official* discovers a deficiency with a smoke

detector or fire extinguisher the *owner*, upon 24-hours notification of such deficiency, shall provide a copy of the Fire Safety Certification to the *Code Official*. If the Certification is provided and the *tenants* have previously signed the form or have been provided with a copy, the *tenants* are considered in *violation* and will be issued a penalty in accordance with Section 106.3 or 106.3.1.

If the *Owner* cannot provide the affidavit within 24 hours the *Owner* is then considered in *violation* and will be issued a penalty in accordance with the afore referenced sections.

704.10 Fire alarm monitoring. Existing fire alarm systems that were installed prior to the enactment of the Uniform Construction Code of Pennsylvania, that are not supervised to notify the fire department without delay must be indicated as a Local Alarm, and have a sign that instructs *occupants* to call 9-1-1 to report the fire alarm. Systems installed after the enactment of the Uniform Construction Code of Pennsylvania must remain supervised and may not delay the notification to the fire department unless approved in writing by the *code official*.

Modifications and repairs of fire alarm monitoring systems that involve the replacement of the FACP/FACU (fire alarm control panel/fire alarm control unit) are required to monitor/electronically supervise in accordance with requirements of the Uniform Construction Code of Pennsylvania.

**SECTION 705
DECORATIVE MATERIALS**

705.1 Decorative material. Overhead decorative material such as, but not limited to, burlap, fish netting, plastic, or other similar combustible or flammable material shall not be suspended from the ceiling of any building unless it is certified to be flame resistant. Where documented certification of flame resistance is not provided, the *code official* shall require the *owner*, to remove the decorations, or to subject decorative materials, to a field test in accordance with Chapter 10 of NFPA 701 at the cost of the *owner*.

705.2 Encroachment. In no way shall any decorative material cover or be installed in a way that may hamper or adversely affect an automatic sprinkler system, alarm system, or any other fire safety feature.

SECTION 706 SPRINKLERS IN FRATERNITY AND SORORITY HOUSES

706.1 Sprinklers required. An automatic sprinkler system, meeting the requirements of NFPA 13 (Standard for the installation of sprinkler systems) or 13R (Standard for the installation of sprinkler systems in residential occupancies up to and including 4 stories in height) is required to be installed in each *fraternity/sorority house*.

706.2 Compliance period. Existing *fraternity/sorority houses* shall come into compliance with Section 706.1 on or before September 1, 2008. If an existing building is converted to a *fraternity/sorority house*, compliance with Section 706.1 shall be required prior to *occupancy*. If prior to the compliance deadline an existing *fraternity/sorority house* undergoes renovations at a cost exceeding 50 percent of the building's taxable value, the building shall be required to comply with Section 706.1 prior to final inspection of renovations.

New *fraternity/sorority houses* shall be required to comply with Section 706.1 before a certificate of *occupancy* is issued for the building.

SECTION 707 LABELING

707.1 Labeling required. Doors into all locked rooms that contain building utilities shall be identified with a plainly visible and legible sign. These letters and numbers shall contrast with their background. Printing shall be Arabic numerals or alphabet letters. Letters and numbers shall be a minimum of 2 inches (51 mm) high with a minimum stroke width of 0.25 inch (6.3 mm). This includes, but not limited to electrical, utility, sprinkler, fire alarm and mechanical rooms.

SECTION 708 FIRE SAFETY PERMITS

708.1 Fire safety program license. The fire safety program license is the same as a fire safety permit, fire permit, operational permit, fire certificate, and fire certificate of *occupancy* for the purposes of this document.

708.2 Permit Fees. The fire safety program license fee shall be established by resolution of the *Municipality*. Fire safety program license fees are determined using a formula which is based on size

and risk of the establishment. The program license fee schedule and operational permit fees may be amended, as needed, by resolution of the *Municipality*.

708.3 Required. No *person*, firm, business, association, or corporation shall operate a place of assembly, business, educational facility, factory, high-hazard facility, institution, mercantile establishment, hotel, motel, residential care or assisted living facility, or storage facility; or rent such space to another until such a *person*, firm, business, association, or corporation has been issued a fire safety program license by the *code official*. The fire safety program license shall be posted in a conspicuous place on the *premises* and a photo static copy maintained by the property *owner*.

The *owner* of the property is required to obtain and maintain the fire safety program license prior to *occupancy* of the space.

If the use of the space changes the *code official* is to be notified in writing within 5 calendar days so an inspection can be conducted and determine code compliance prior to *occupancy*.

In addition, an operational permit is required for all operations set forth in the following uses:

708.3.1 Carnivals and fairs. A permit is required to conduct a carnival or fair.

708.3.2 Explosives. An operational permit is required for the manufacture, storage, handling, sale or use of any quantity of *explosives*, *explosive materials*, fireworks or pyrotechnic special effects that are not otherwise regulated by State or Federal permit.

708.3.3 Open burning. An *open burning permit* is required for the kindling or maintaining an open fire.

Exception: *Recreational fires* conducted more than 25 feet (7620 mm) away from a *structure* or combustible material or conditions which could cause a fire to spread within 25 feet (7620 mm) of a *structure* and portable outdoor fireplaces used in accordance with the manufacturer's instructions and operated more than 15 feet (3048 mm) of a *structure* or combustible material. Unless excluded or permits required under other municipal regulation.

54 The following notation [] behind the section number denotes that the *Municipality* has either not adopted this section or if "A" follows the number they have altered the section and the alteration can be found in the appropriate municipal ordinance appendix.
1. College Township; 2. Ferguson Township; 3. Halfmoon Township; 4. Harris Township; 5. Patton Township; 6. Borough of State College; 7. Borough of Bellefonte

708.3.4 Fire alarm system. A permit is required for systems, which transmit alarm signals off site.

708.3.5 Tents and other temporary structures. A permit is required to erect and operate from any tent or temporary *structure* in excess of 200 square feet, and for canopies in excess of 400 square feet.

708.3.6 Common area license. Any multi-family residential *structure* where the units are solely *owner* occupied and are owned by two or more unrelated individuals, shall be required to have a valid fire safety program license for the common areas not contained within a given *dwelling unit*.

708.4 Transfer. The fire safety program license is not transferable and is only valid for a specific *tenant, occupant, franchisee, business, or legal entity*, and if the occupying entity changes, a new fire safety program license shall be applied for within 5 calendar days of the change occurring.

708.5 Permit application. Applications for permits shall be made to the Centre Region Code Administration Office on forms furnished by said office.

708.6 Issuance or refusal. The *code official* shall issue a fire safety license to the applicant upon proof that all of the following requirements have been satisfied:

1. The *structure* complies with the provisions of this code and all other applicable codes and/or ordinances;
2. A proper fire safety program license fee has been submitted.

708.7 Renewal. Fire Safety Program Licenses shall be renewed annually, on or before the permit expiration date of each year. A Fire Safety Program License shall become null and void upon permittee's failure to submit the required or proper annual Fire Safety Program License fee. No reduction shall be made for fractional yearly permits.

After 90 calendar days of lapsation or non-payment the fire safety program license is considered willfully abandoned.

708.7.1 Fire safety program license abandonment. Once a fire safety program license has been willfully abandoned a fire safety program

license must be obtained prior to renting or offering the unit or *structure* for rent in accordance with this code. This unit or *structure* must comply with all provisions of this code in accordance with a first-time fire safety program license application.

708.8 Late fee. A late fee charge equal to \$10 per unpaid permit/license shall be imposed after the date of permit payment due, and every 30 days thereafter.

708.9 Applications. Applications for Fire Safety Program Licenses and applications for the renewal of Fire Safety Program License shall be filled out completely and accurately including addresses and telephone numbers for both the *owner(s)*, and *tenant*. The Fire Safety Program License shall not be issued or renewed if an application does not contain all required information.

708.9.1 Contact address. The contact addresses provided to the Centre Region Code Administration in accordance with Section 802.8 must be a valid address for the receipt of United States mail and shall be checked by the *owner* on a regular basis not to exceed 1 week.

708.9.2 Telephone number. The telephone numbers provided to the Centre Region Code Administration in accordance with Section 708.9 must be a valid telephone number capable of receiving and recording voice mail at all times. This number is considered the emergency contact number for this individual. A response to a voice mail left on this number by a representative of the *Municipality* or the Centre Region Code Administration shall be returned or responded to within 3 hours.

708.9.3 E-Mail address. A valid e-mail address for the owner shall be provided to the Centre Region Code Administration. The e-mail address shall not be considered an emergency contact and response to an e-mail left at this address by a staff member of the Centre Region Code Administration and shall be responded to within 48 hours.

708.10 Display and ownership. The Fire Safety Program License shall be made available by the *owner/operator* within 24 hours upon a request by any party or may be displayed. The issuance of a Fire Safety Program License to an *owner/operator* shall constitute consent for an inspection. The Fire Safety Program License is and shall remain the property of Centre Region Code Administration.

SECTION 709 INSPECTIONS

709.1 Regular inspection frequency. The *code official* shall establish, by written regulation, frequency or re-inspection for all properties with a fire safety program license. The re-inspection shall be based upon a classification of hazards associated with the use or *occupancy* of all establishments. Such periods shall be not less than every 5 years and shall cause re-inspection of all establishments to be made in accordance with the established classification.

SECTION 710 KEY BOX CONTENTS AND MAINTENANCE

710.1 Key box placement. A regionally selected (Knox brand) key box will be required for all new and existing buildings that have a monitored fire alarm system and/or sprinkler system and will be mounted using the following criteria as guidance. The *code official* will have the determination where the key box is mounted:

1. The key box will be installed within six feet of the entry door located at the main entrance, or a door located on the address side of the building if the main entrance is not located on the address side.
2. A Knox brand sticker will be placed on all grade level keyed doors for which keys are provided on all elevations of the building. This is to indicate the presence of the Box.
3. For buildings that have a utility room that is only accessible from the exterior, but serves more than one *tenant* – the key box will be located at the main entrance. The door will be identified and Knox brand stickers will be placed on all keyed *tenant* doors for which keys are provided.
4. For buildings that have an interior utility room that is accessible by a *tenant* space, but serves other *tenant* areas, the key box will be located at the address side of the *tenant* space.
5. The keys required in the key box are those necessary to reach the sprinkler valve, alarm panel, electrical room, elevator penthouse, access to the *roof*, alarm panel control access, and fire department elevator control. Other

keys are encouraged, including master keys or swipe cards.

Exception: A key box may not be required for a constantly attended building where staff has access to items 2 through 8 in Section 506.4.

710.2 Key box contents. The Knox Box will contain a Centre Region Code Administration generated card that contains the following minimum building data, where applicable:

1. Inventory of all keys stored in the box
2. Sprinkler valve location
3. FDC location
4. FACP location
5. Electrical room location
6. Elevator control room location
7. Door code
8. Critical *tenant*/building data
9. Date last updated

SECTION 711 PORTABLE FIRE EXTINGUISHERS

711.1 Where required. Portable fire extinguishers shall be installed in the following locations.

1. In new and existing Group A, B, E, F, H, I, M, *R-1*, *R-2*, *R-4* and S occupancies.

Exception: In new and existing Group A, B and E occupancies equipped throughout with quick response sprinklers, portable fire extinguishers shall be required only in locations specified in Items 2 through 6.

2. Within 30 feet (9144 mm) of commercial cooking equipment.
3. In areas where flammable or *combustible liquids* are stored, used or dispensed.
4. On each floor of *structures* under construction, except Group *R-3* occupancies, in accordance with Section 1415.1 of the International Fire Code.
5. Where required by the sections indicated in Table 906.1 of the International Fire Code.
6. Special-hazard areas, including but not limited to laboratories, computer rooms and generator rooms, where required by the *fire code official*.

56 The following notation [] behind the section number denotes that the *Municipality* has either not adopted this section or if "A" follows the number they have altered the section and the alteration can be found in the appropriate municipal ordinance appendix.
1. College Township; 2. Ferguson Township; 3. Halfmoon Township; 4. Harris Township; 5. Patton Township; 6. Borough of State College; 7. Borough of Bellefonte

7. Rental housing buildings or units of Use Group R-2 and R-3, as defined by the *International Building Code*, shall have a 2.5-pound ABC (1-A, 10-BC)-type portable fire extinguisher placed in the kitchen area of each *dwelling unit*. In non-sprinklered use group R-2 *fraternity and sorority houses*, a 5-pound ABC type with 2A rating portable fire extinguisher shall also be provided in corridors located in accordance with NFPA 10.
8. In temporary *structures* where cooking operations are being conducted involving combustible cooking media, the minimum of one 6 liter Class K portable fire extinguisher shall be provided and ready for use in the vicinity of the cooking equipment. The maximum distance that can be protected by a single extinguisher is 25 feet (7620 mm), unobstructed.

SECTION 712 FIRE DEPARTMENT CONNECTION CAPS AND THREADS

712.1 Threads. All threads provided for fire department connections to sprinkler systems, standpipe systems, yard hydrants, or any other fire hose connection shall be National Standard Hose thread with a maximum size of 2.5 inches (63.5 mm) per inlet. For residential suppression systems, based on flow requirements 1.5 inch (38.1 mm) hose connections with National Standard Hose thread may be used.

Exception: For all non-residential suppression systems in the Borough of Bellefonte, 5 inch Storz Connections shall be provided.

712.2 Knox brand locking caps. A locking Knox brand locking cap will be required for the new installation of fire sprinkler or stand-pipe systems. Existing installations will be required to install a Knox brand locking cap when another type of cap or cover is broken or missing. If the *owner* maintains the existing systems the Knox brand caps will not be required.

712.3 Non visible fire department connections. Fire Department Connections that are not readably visible from the street address side of the building shall be made visible or provide *approved* sign(s) to direct the fire department to this location. A metal sign with raised letters at least 2 inch (51 mm) in size

with minimum stroke width 0.25 inch (6.3 mm). Such signs shall read: AUTOMATIC SPRINKLERS or STANDPIPES or TEST CONNECTION or a combination thereof as applicable with proper directional indication.

SECTION 713 ASSEMBLY OCCUPANCY

713.1 General. All spaces that are permitted by the Centre Region Code Administration as Assembly A-2 *Occupancy* Group, as defined by the *International Building Code*, and have a permitted maximum *occupancy* level equal to or exceeding 100 *persons*, shall comply with the requirements of Sections 713.2 and 713.3.

713.2 Maximum occupancy level. The *owner*, manager, *person* of authority, staff member, or duly authorized individual working the door and controlling the inflow of patrons shall know and be able to verbally provide to the *Code Official* the maximum *occupancy* level of the assembly area when requested.

713.3 Actual occupancy level. The *owner*, *person* of authority, staff member, or duly authorized individual working the door and controlling the inflow of patrons shall know and verbally provide to the *Code Official* the actual *occupancy* level of the assembly area including staff with an accuracy of plus or minus 5 percent of the maximum *occupancy* of the assembly area when requested.

SECTION 714 OPEN FLAME COOKING DEVICES

714.1 Open-flame cooking devices. Charcoal burners and other open-flame cooking devices shall not be operated on combustible balconies or within 10 feet (3048 mm) of combustible construction.

Exceptions: Where buildings, balconies and decks are protected by an *automatic sprinkler system*.

714.2 L-P Gas containers. Under no circumstances shall any LP-gas container or compressed gas fuel cylinder with a water capacity greater than 2-1/2 pounds [nominal 1 pound (0.454 kg) LP-gas capacity] be used on any balcony or deck or area that does not have a direct *means of egress* that does not require entry to a *structure* nor in areas covered by a *roof* or partially enclosed area no matter what the construction type.

CRCA OPEN BURN PERMIT REPORT

Year	Zoning Distric	Number of permits
2018	R-1	1
2018	RA	1
2018	RA	1
2018	RR	1
2018	RR	1
2018	RA	1
2018	RA	1
2018	RA	1
2018	RR	1
2018	RR	1
2018	RR	1
2018	RR	1
2018	R-4	1
2018	R-1	4
2018	Unknown	1
2018	RR	1
2018	RA	5
2018	C	35
2019	C	1
2019	RR	1
2019	RA	1
2019	R-4	1
2019	C	1
2019	RR	1
2019	RA	1
2019	RR	1
2019	RA	1
2019	RR	1
2019	R-1	1
2019	RA	1
2019	C	1
2019	RR	1
2019	RA	1
2019	RR	1
2019	RR	2
2019	RA	2
2019	RR	3
2019	RA	3
2019	R-1	11
2020	R-1	1
2020	RR	1
2020	RR	1
2020	R-1	1
2020	R-1	2

2020	RR	1
2020	RA	4
2020	C	5
2020	RA	3
2020	RR	1
2020	R-1	1
2020	RR	1

Dear Municipal Official,

This letter is being sent to alleviate any uncertainty and to clarify what Act 101 mandates regarding yard waste collection.

Section 1501 of Act 101 stipulates the requirements for all households and commercial, institutional and municipal (CIM) establishments in mandated communities to separate leaf waste for collection and/or composting. Compliance with Act 101, therefore means that in mandated communities, leaf waste is not to be thrown out with household waste or burned as a means of disposal. Leaf waste is defined in Act 101 as, “leaves, garden residues, shrubbery and tree trimmings, and similar material, but not including grass clippings.” In addition, Section 1501(c)(2) of the Act requires mandated communities to have “a scheduled day, at least once per month, during which separated materials are to be placed at the curbside...for collection.”

Although regulation established the collection frequency for leaf waste, allowing municipalities to collect this material “as appropriate” (25 Pa. Code §272.421(2)), a more definitive timeframe for collection of leaf waste has been set forth to alleviate any uncertainty that may have developed in the effort to determine compliance and accomplish the goals as set forth in the Act.

Accordingly, the Department will consider a mandated municipality to be in compliance with the leaf waste requirements of Act 101 if all the following are met:

1. At least one collection for leaves, garden residues and similar vegetative materials between October 1 and March 1.
2. At least one collection for shrubbery and tree trimmings and similar vegetative materials between March 1 and October 1.

Other collections should be scheduled, as the municipality deems necessary, in order to divert to the greatest extent practicable all leaf waste generated by residents and CIM establishments.

3. One or more drop-off locations, either in or near the municipality, where residents and CIM establishments are provided the opportunity, at least monthly, to place accumulated leaf waste. This requirement may be waived if the municipality provides, at a minimum, a collection for leaf waste on a monthly basis. In no way shall a drop-off program be considered as a substitute for the collections listed above.
4. A mandated municipality should also have a collection for Christmas trees as these fall within the definition of leaf waste, are source-separated from other municipal waste (by their very nature) and are generated during a very narrow time of the year.

If a municipality cannot complete the required collections numbers 1-3 during the times indicated above, it must notify the appropriate DEP Regional Recycling Coordinator and provide an alternate schedule in which the collections will be accomplished.

The term “collection” shall mean that the municipality provides at least one opportunity for each household (and CIM if included in the residential collection) to place their material at the curb and that the material is collected by the municipality or its agent.

A municipality shall have the right to determine how leaf waste is to be placed at the curbside, either loose, in bags, in containers, or bound in any way, according to its collection capabilities. A municipality shall also have the right to determine the size (length and diameter) of shrubbery and tree trimmings allowable for collection according to its collection capabilities.

In the future any municipality that wishes to obtain Act 101 funding must be in compliance with or working towards compliance with these criteria. Please keep this in mind if you are considering applying for funding in the current Section 902 grant round. In addition, any mandated municipality that does not report yard waste collection amounts in its Act 101 Annual Municipal Recycling report may not be eligible for Section 904 performance grants.

If you have any questions in this matter please feel free to contact Ms. Ann Ryan at 484-250-5755 for municipalities in Bucks, Delaware and Philadelphia Counties; and Mary Alice Reisse at 484-250-5754 for municipalities in Chester and Montgomery Counties.

Sincerely,

Calvin E. Ligons

Capital Local Match Need Calculation
6/5/20

	2020/21 Projected	2021/22 *** Projected		2022/23 Projected		2023/24 Projected			
		Total	Local	Total	Local	Total	Local		
Fleet Plan - 40' Buses	*	\$ 7,733,440	\$ -	\$ 6,805,427	\$ -	\$ 10,938,178	\$ -		
Fleet Plan - Articulated Buses	*	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -		
Fleet Plan - Paratransit Vehicles		\$ 1,355,000	\$ 43,699	\$ 1,409,000	\$ 45,440	\$ -	\$ -		
Fleet Plan - Vanpool Vehicles		\$ 420,000	\$ 13,545	\$ 100,000	\$ 3,225	\$ 240,000	\$ 7,740		
Fleet Plan - Microtransit Vehicles		\$ 571,500	\$ 18,431	\$ 303,000	\$ 9,772	\$ 606,000	\$ 19,544		
Fleet Plan - Service & Maintenance Vehicles		\$ 30,000	\$ 968	\$ 31,500	\$ 1,016	\$ 32,500	\$ 1,048		
General Capital Projects		\$ 850,000	\$ 27,413	\$ 884,000	\$ 28,509	\$ 920,000	\$ 29,670		
TOTAL CAPITAL FUNDING NEED:		\$10,959,940	\$104,055	\$9,532,927	\$87,962	\$12,736,678	\$58,002		\$ 250,018
Beginning Balance:	\$ 231,402 **		\$ 100,000.00		\$ 100,000		\$ 100,000		\$ 531,402
							BALANCE:		\$ 281,384

This capital plan does not reflect any fleet expansion, since PennDOT does not currently support funding for such. Should CATA be successful in obtaining a federal discretionary grant for fleet expansion, this plan would need to be revisited.

* PennDOT is currently funding replacement bus purchases with no required local capital match, and at this time we have no reason to believe that will revert to the prior funding formula that required 3.225% local capital match. Should that occur, this plan would need to be revisited.

** The MPO flexed federal funding for an expansion articulated bus that thus far PennDOT seems to be declining to match, which would mean the match would have to come entirely from local capital in order to not leave a half million of federal dollars on the table. However, we are still hopeful at this point that the funding will be provided by PennDOT. Should that not occur, the beginning balance would become (\$168,599) and require revisiting this plan.

*** The Act 89 funding provision sunsets in 2021, which is another factor that may cause this plan to be revisited.

CENTRE REGION COUNCIL OF GOVERNMENTS

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State College, PA 16801

Phone: (814) 231-3077 Fax: (814) 231-3083 Website: www.crcog.net

EXECUTIVE COMMITTEE

Video Conference

July 21, 2020

12:15 PM

During the COVID-19 health emergency, to continue business operations of the COG and ensure the safety of municipal officials and staff, and to adhere to health emergency recommendations while remaining in compliance with Pennsylvania's guidelines for public meetings, this Executive Committee meeting will be held via video conference. Written public comment or requests to speak to the Executive Committee for items not on the agenda, and requests to comment to specific agenda items listed below, may be submitted in advance by emailing sbinkley@crcog.net.

AGENDA

1. CALL TO ORDER AND ROLL CALL

Chair Elliot Abrams will convene the meeting. Mr. Binkley will review the meeting procedures.

2. PUBLIC COMMENTS

Members of the public are invited to comment on any items not already on the agenda (five minutes per person time limit please). Comments relating to specific items on the agenda should be deferred until that point in the meeting. Submitted comments will be read into the record by the Recording Secretary at the appropriate time in the meeting.

3. APPROVAL OF MINUTES

A copy of the minutes of the June 16, 2020 Executive Committee meeting are **enclosed**.

4. RESOLUTION 2020-7 TO ALLOW FOR REMOTE ATTENDANCE AND VOTING AT COG MEETINGS

This item asks the Executive Committee to consider recommending that the General Forum adopt Resolution 2020-7 (**enclosed**) that would authorize remote participation and voting in COG meetings held during declared emergency circumstances and authorize remote participation by fewer than a quorum of the General Forum or COG committees during non-emergency periods. Additionally, the Executive Committee would be designated to develop/update and approve procedures to implement this Resolution, subject to review by the General Forum.

Background: In the early days of the current COVID-19 Emergency Disaster Declaration, as declared by Pennsylvania Governor, Tom Wolf on March 6, 2020, COG committees and the General Forum were unable to conduct COG business using electronic/remote meeting tools until authorizing legislation was passed and signed. Once the COVID-19 Emergency Disaster Declaration is lifted, the provisions of this legislation will expire, and the COG will lose its mechanism to lawfully conduct meetings in an electronic/remote manner.

There may be a need to conduct COG business in an electronic/remote manner once the COVID-19 Emergency Disaster Declaration has been fully lifted during future declared emergency circumstances that affect the Centre Region. Without other enabling legislation, remote meetings would not be possible. In addition, even after the current Emergency Disaster Declaration is no longer necessary, COVID-19 or another virus may be of such concern or risk to members of our community that some General Forum or committee members may be reluctant to attend meetings in person. Also, there may be circumstances where a participant is confined to home or is traveling and may wish to participate in the work of the COG remotely.

Staff has consulted with the COG Solicitor regarding this Resolution to enable electronic/remote meetings during future emergencies and to allow for individual remote participation. The Solicitor recommends that when no declared emergency exists, COG meetings be held with a quorum present at the advertised meeting location. However, remote participation could be allowed by individual members as long as the practice is authorized by the General Forum and as long as the quorum is maintained in the room.

While this Resolution creates the framework to enable such remote meetings and remote participation in the future, detailed procedures would need to be finalized (draft rules of procedure **enclosed**). These procedures could be updated from time to time as technologies change, as the COG gains more experience with these practices, or if the laws of the Commonwealth are updated.

Staff requests the Executive Committee discuss this item and provide any additional guidance so that this can be presented at the July General Forum meeting. If the Executive Committee is comfortable with this Resolution, or with any amendments, and is prepared to present this to the General Forum on July 27, the following motion could be approved:

“That the Executive Committee recommends that the General Forum approve Resolution 2020-7 to authorize remote meetings during future emergency circumstances, to authorize individual members to attend and vote remotely subject to a quorum of members being present at the advertised meeting location, and to authorize the Executive Committee to approve and update related procedures as needed, subject to review by the General Forum.”

All municipalities should vote on this motion.

5. CLIMATE ACTION RESOLUTION 2020-1 – presented by Sustainability Planner, Pam Adams

This agenda item asks the Executive Committee, as recommended by the Public Services & Environmental Committee, to consider forwarding Resolution 2020-1 to the General Forum for adoption.

Resolution 2020-1 (**enclosed**) identifies four actions that support a community effort to bring long term benefits to the region by reducing greenhouse gas (GHG) emissions and adapting to climate change. Establishing targets is the second step of the climate action and adaptation planning process as shown in the image to the right. The resolution was drafted by the PSE Committee with input from the Climate Action & Adaptation Technical Advisory Group (TAG) and municipal boards.

7 Milestones of Climate Action and Adaptation Planning



The first action of Resolution 2020-1, which is the focus of the resolution, states that the Centre Region Council of Governments shall:

1. Immediately begin to develop a regional plan to:
 - Achieve a 45% reduction in GHG emissions by 2030 based on 2010 levels
 - Achieve an 80% reduction in GHG emissions by 2050 based on 2010 levels
 - Offset the remaining 20% of GHG emissions in 2050 with carbon offset projects to be carbon neutral in 2050
 - Engage peer governmental entities, non-governmental organizations, businesses, and universities to (i) raise awareness of climate change, (ii) identify and encourage courses of action to reduce the amount of GHG emissions, (iii) identify and encourage courses of action to lessen the impacts of changing climate conditions and (iv) embrace the opportunities of climate adaptation

Resolution 2020-1 supports the climate goals and targets identified in Pennsylvania’s Climate Action Plan, Ferguson Township’s Resolution 2017-14, Harris Township’s Resolution 17-13, and State College Borough’s Resolution 1229. While the targets are aggressive, some actions can be taken at the local and state level that will allow the Region to meet these targets. For information on these documents and some possible action items that demonstrate a pathway for the Centre Region to reach the GHG emissions reduction targets, visit www.crcog.net/climate.

The focus for the remainder of the year will be for the TAG and PSE Committee to gather input from subject matter experts, stakeholders, and the public to identify and prioritize tangible actions aimed at reducing GHG emissions and adapting to the changing climate to meet these goals. This includes milestones #3 - #5.

To move forward, the Executive Committee should consider the following motion:

“That the Executive Committee, as recommended by the Public Services & Executive Committee, forward the 2020-1 Climate Goals Resolution to the General Forum for

adoption.”

All municipalities should vote on this motion.

6. 2021 COG PROGRAM PLAN

This agenda item asks the Executive Committee to forward the draft 2021 Program Plan to the General Forum for discussion and referral to the Centre Region municipalities for comment.

During its July 9, 2020 meeting, the Finance Committee met with the COG Agency Directors to review the draft 2021 Program Plan. This document is intended to provide information about: Unexpected budgetary occurrences during 2020 as a result of COVID-19 in the “Where are We Now?” sections.

- Tentative programmatic and budgetary changes being proposed by COG Agencies for the upcoming year in the “Where Are We Going” sections.
- Departures from the 2020 Budget plan, scenarios that have been planned for the coming year, and other known changes for 2021.

This is the 18th Program Plan presented to the General Forum. The documents have been well received by the elected officials and COG Staff as an effective planning tool that identifies proposed budgetary and program changes. Additional time to consider those changes is provided prior to the preparation of the detailed budget. This year the format and content have been simplified due to the impacts of COVID-19 on staff and finances.

The Executive Committee should decide whether to forward the 2021 COG Program Plan to the General Forum for consideration and referral to the municipalities for comment.

To proceed with the review of the Program Plan, the Finance Committee unanimously agreed to ask the Executive Committee to refer the following motion to the General Forum for consideration:

“That the General Forum receive the 2021 Program Plan for the Centre Region COG and refer it to the Centre Region municipalities for review; and, further, that comments be referred to the COG Executive Director by 8:00 AM, Thursday, August 20, 2020 to be considered during the preparation of the draft 2021 COG Budget.”

All municipalities should vote on this motion.

The comments received from the municipalities will be compiled and shared with the Finance Committee, the General Forum, and the COG Staff who are involved in the budgeting process.

Enclosed is the draft 2021 Program Plan that was reviewed by the Finance Committee at its July 9 meeting. The draft 2021 Program Plan with comments from Finance Committee members and the comment guide that identifies, by agency, proposed budgetary changes for 2021 for use by municipalities to provide their feedback will be distributed in advance of the July 27 General

Forum meeting. Mr. Norenberg and Mr. Viglione will be in attendance during upcoming municipal meetings where they will be available to answer questions and respond to comments on the 2021 COG Budget.

7. 2021-2025 COG CAPITAL IMPROVEMENT PROGRAM (CIP)

This agenda item asks the Executive Committee to forward the draft 2021 to 2025 Capital Improvement Program to the General Forum for discussion and referral to the Centre Region municipalities for comment.

During its July 9, 2020 meeting, the Finance Committee met with the Agency Directors to review the **enclosed** (electronically only) draft 2021 - 2025 CIP for the Centre Region COG. The recommendations in the CIP have been included in the draft 2021 COG Program Plan.

This document is intended to provide information about:

- Proposed COG capital expenditures over the next five years.
- Proposed COG capital expenditures that have a value of at least \$10,000.
- Proposed revenue sources for COG capital expenditures.

The Executive Committee should decide whether to forward the 2021 - 2025 COG Capital Improvement Plan to the General Forum for consideration and referral to the municipalities for comment.

To proceed with the review of the CIP, the Finance Committee unanimously agreed to ask the Executive Committee to refer the following motion to the General Forum for consideration:

“That the General Forum receive the 2021-2025 Capital Improvement Plan for the Centre Region COG and refer it to the Centre Region municipalities for review; and further, that comments be referred to the COG Executive Director by 8:00 AM, Thursday, August 20, 2020 to be considered during the preparation of the draft 2021 COG Budget.”

All municipalities should vote on this motion.

8. ACT 537 PLAN SPECIAL STUDY - SCOTT ROAD PUMP STATION AND BRISTOL INTERCEPTOR – presented by CRPA Planner, Corey Rilk CRPA

As recommended by the Public Services and Environmental Committee the Executive Committee should forward this agenda item to the General Forum to:

- Receive a presentation outlining the Act 537 Sewage Facilities Plan Special Study relating to the upgrades to the Scott Road Pump Station and Bristol Interceptor located in Ferguson Township and,
- Receive a presentation regarding temporary changes to the review and adoption process due to COVID-19 precautions and limitations of having virtual General Forum meetings.

Summary of Act 537 Plan Special Study to Upgrade the Scott Road Pump Station and Bristol Interceptor

The University Area Joint Authority (UAJA) owns, operates, and maintains a wastewater conveyance system located along State Route 26 in Ferguson Township. This part of the wastewater system handles sewage flow from the Pine Grove Mills area of Ferguson Township. The pump station and the associated forcemain (see enclosed map) must be upgraded to handle the increasing flows due to increased wet weather events and to accommodate future development in Pine Grove Mills.

Act 537 Special Study Amendments are coordinated with the Centre Region Council of Governments (COG). This Special Study identifies the need to upgrade and enlarge the forcemain and existing pump station located on Scott Road. The proposed upgrades, totaling \$2.2 million, will be implemented and funded directly by the UAJA.

A 30-day public review and comment period began on June 15, 2020 and ended on July 15, 2020. The UAJA did not receive any public comments during the review period. The Special Study is available by clicking on the link: <https://bit.ly/2ZvSp0Q>.

If there are any municipalities considering not approving the amendment, the municipality should declare their reasons after the General Forum presentation. The General Forum should discuss the reasons for not approving the amendment. If the reason for not approving the amendment cannot be addressed at the meeting, the General Forum should consider referring the item to the next General Forum meeting to resolve the issue.

The following implementation schedule is proposed for the Scott Road Pump Station and Bristol Interceptor upgrades:

- Submit Special Study to Municipalities /Planning Commissions (60-day Review): June - 2020
- Begin Public Comment Period (30-day Review): June 15, 2020
- Receive Municipal/Planning comments, Conclude Public Comment Period: July 15, 2020
- Present Special Study to CRCOG General Forum: July 27, 2020
- Adopted by Municipalities and CRCOG: August 2020
- Submission of Special Study to PADEP (120-day Review): August 2020
- Receive PADEP comments/Approval of the Special Study: November - December 2020
- Complete Preliminary Design: April 2021
- Submit Permit Applications (WQM, NPDES): May 2021
- Complete Final Design: August 2021
- Receive PADEP comments/Approval of Permits: August 2021
- Begin Construction: September 2021
- Project Completion: August 2022

Mr. Corey Rilk, CRPA, will discuss changes proposed in the Special Study review and approval process and report on public comment (if any) and the UAJA's responses.

Typically following the Special Study presentation to the General Forum, two integral parts of the review and approval process are completed during the same General Forum meeting time. The General Forum meeting is recessed, and each municipality holds a required public hearing, and all six municipalities adopt an individual resolution to approve the Special Study. Due to the COVID-19 pandemic, the COG General Forum has been meeting virtually, which makes the review and adoption more difficult.

During August, each Centre Region municipality will hold a public hearing to receive public input on the draft 2020 Centre Region Act 537 Sewage Facilities Plan Update. The dates of the meetings are as follows:

Ferguson Township: August 3, 2020, at 7:00 p.m.
College Township: August 6, 2020, at 7:00 p.m.
State College Borough: August 17, 2020, at 7:00 p.m.
Harris Township: August 10, 2020, at 7:30 p.m.
Halfmoon Township: August 13, 2020, at 7:00 p.m.
Patton Township: August 19, 2020, at 5:00 p.m.

- 1) Mr. May or Mr. Rilk will attend each municipal meeting. If necessary, a presentation will be made at each municipal meeting. The respective Chair will proceed to open a public hearing on the Special Study. Any person in attendance has the opportunity to provide comments on the Special Study.
 - 2) The Municipal Board or Council should discuss and resolve any comments provided during the public hearing.
 - 3) Following the municipal presentation and public comment period, each Municipal Secretary (or designee) and Chair of the Board of Supervisors or Council President shall sign the supplied resolution.
 - 4) The CRPA Staff will provide the COG General Forum with the results at the next General Forum Meeting (August 2020).
 - 5) The CRPA staff will collect the resolutions and minutes to make copies to file with The Pennsylvania Department of Environmental Protection. The original resolution will be returned to municipalities for their files.
9. CATA FY 2021/22 - FY 2023/24 CAPITAL LOCAL MATCH PLAN - presented by Bruce Donovan, CATA Director of Finance

Federal and state regulations require a capital local match in order for CATA to access Federal Transit Administration and PennDOT funding, and for the first time in FY 2013/14, CATA embarked on a multi-year capital local match plan. At that time, it was a five-year plan that gradually increased a capital local match to fund our facility expansion project, and a three-year capital local match plan followed with significantly reduced contribution totals. At the time that plan was approved because operating local match share is at legislated minimums, the COG Finance Committee voted to have CATA present to the Finance Committee when it was time to approve a new plan. FY 2020/21 is the last of the three years for that plan.

The **enclosed** FY 2021/22 – FY 2023/24 capital local match plan again proposes a set amount for three years with no increase to annual totals and maintains a capital reserve account ending balance similar to past results. Individual municipal capital local match shares will be calculated annually based on the CATA formula.

This request is consistent with the approach adopted in 2002 when the COG Finance Committee first suggested a capital reserve account be maintained to avoid large annual swings in the requests for capital local match funds, which can vary widely depending on the magnitude of planned procurements. Any excess capital local match is committed to the capital reserve and used to support CATA's future capital needs and maintaining an ending balance in the capital reserve account is important for leveling the annual request that CATA makes for a capital local match.

At its meeting on July 9, the Finance Committee recommended that the Executive Committee consider the following motion:

“That the Executive Committee as recommended by the Finance Committee recommends that the General Forum refer the FY 2021/22 through FY 2023/24 capital local match plan to the participating municipalities (except Halfmoon Township) for approval.”

All municipalities except for Halfmoon Township should vote on this motion.

10. 2020 TRICK OR TREAT NIGHT – presented by Centre Region Parks and Recreation Director Pam Salokangas

For the last 40 years, the General Forum has recommended a date for the Centre Region municipalities to designate as Trick-or-Treat night. Consistent with that tradition, the Centre Region Parks and Recreation Director asked the Centre Region Police Chiefs for input on the date for 2021. They recommend that Saturday, October 31, 2020, be designated as Trick-or-Treat Night for the Centre Region municipalities, with a rain date of November 1, 2020. The times would be 6-8 PM in the Borough, and in Patton, Harris, College, and Ferguson Townships; the time would be 5:30-8:30 PM in Halfmoon Township.

COG staff wants to establish the date for planning purposes, however with COVID-19 still active in the community and guidance from the CDC and Department of Health, which is regularly updated, additional guidance will be provided closer to October. Everyone at COG realizes that Trick-or-Treat may be impacted by COVID-19.

This is also the time of year where a date is tentatively announced for the annual Halloween Parade. At this time, it is unknown if we'll have access to school facilities even though this is an outside event and can be done with social distancing. The tentative date for the Halloween Parade would be **October 25, 2020**.

To proceed, the Executive Committee unanimously asks the General Forum to approve the following motion:

“That based upon recommendations from the Centre Region Police Chiefs and the Centre Region Parks and Recreation Director, the Executive Committee recommends to the General Forum that the Centre Region municipalities designate Saturday, October 31, 2020, between the hours of 6:00 pm and 8:00 pm as Trick-or-Treat night, with the exception of Halfmoon Township where the hours will be 5:30 pm to 8:00 pm on that same day. It is additionally recommended that November 1, 2020 be designated as the rain date for Trick-or-Treat.”

All municipalities should vote on this motion.

11. EXECUTIVE DIRECTOR’S REPORT

The Executive Director will update the Executive Committee on other items of current interest, including updates regarding the COVID-19 Green Phase.

12. OTHER BUSINESS

- A. Matter of Record – The next meeting of the Executive Committee is scheduled for Tuesday, August 18, 2020, at 12:15 pm. It has not yet been determined if this will be an in-person or video conference meeting.
- B. Matter of Record – The CRPA has prepared an ARCGIS Story Map summarizing the Beneficial Reuse Project. The Beneficial Reuse Project was authorized by the six Centre Region municipalities more than 20 years ago to accomplish two primary goals: limit the amount of wastewater discharged into Spring Creek to 6.0 million gallons a day in order to maintain a temperature that sustains aquatic life, and to ensure there is sufficient capacity for wastewater treatment and discharge to support future growth in the Center Region. At this time, approximately 3.67 million gallons per day are discharged into Spring Creek and the UAJA can produce up to 1.9 million gallons per day of beneficial reuse water which is returned to the Spring Creek Watershed.
- C. Matter of Record – As the Executive Committee is aware, Library Director Cathi Alloway has notified the COG of her intent to retire in 2021. The Library Board and the HR Committee have reviewed the job description. A plan for the recruitment will be developed in the next few weeks. A Selection Committee will need to be established to screen candidates and recommend a candidate to the Library Board for final appointment. The Selection Committee shall consist of the Executive Committee plus three Library Board members appointed by the Library Board President. The appointment must also be confirmed by the General Forum.

13. TENTATIVE AGENDA ITEMS

The next meeting of the General Forum will be held via Zoom on Monday, July 27, 2020, at 7:00 pm. Tentative agenda items could include:

- Resolution 2020-7 to Allow for Remote Attendance and Voting at COG Meetings
- Climate Action Resolution 2020-1
- 2021 COG Program Plan
- 2021-2025 COG Capital Improvement Plan (CIP)
- Scott Road Pump Station and Bristol Avenue Interceptor Act 537 Plan Special Study
- CATA FY 2021/22 - FY 2023/24 Capital Local Match Plan
- 2020 Trick or Treat Night

14. ADJOURNMENT

ENCLOSURES

<u>Item #</u>	<u>Description</u>
03	June 2020 Executive Committee Minutes
04A	Resolution 2020-7 Remote Meetings
04B	Remote Meetings Rules and Procedures
05	Climate Action Resolution 2020-1
06	2021 Program Plan
07	2021-2025 COG Capital Improvement Plan (CIP)
08	Scott Road Pump Station and Bristol Interceptor Map
09	CATA FY 2021/22 - FY 2023/24 Capital Local Match Plan

CENTRE REGION COUNCIL OF GOVERNMENTS

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TRANSPORTATION & LAND USE (TLU) COMMITTEE

Zoom Meeting Platform
Monday, August 3, 2020
12:15 p.m.

AGENDA

1. CALL TO ORDER - Ms. Lafer will call the meeting to order.

2. CITIZEN COMMENTS

Members of the public are invited to comment on any items not already on the agenda (**five minutes per person time limit, please**). Comments relating to specific items on the agenda should be deferred until that point in the meeting.

3. ACCEPTANCE OF MINUTES

The minutes of the May 4, 2020 and the June 1, 2020 TLU Committee meeting are *enclosed*.

4. OPEN DISCUSSION FOR COMMITTEE MEMBERS

This time is provided for open discussion of issues by members.

5. DISCUSSION ON COG COMMITTEE STRUCTURE REVIEW- *presented by Eric Norenberg, COG Executive Director*

At its April 21, 2020 meeting, the Executive Committee and staff began an initial discussion on the idea of creating a COG Climate Action and Sustainability Committee, as well as reviewing the COG committee structure more broadly.

At its May 19, 2020 meeting, Executive Committee members reported that it was the consensus of their municipalities that they were in favor of taking steps to discuss the possible creation of a COG Climate Action and Sustainability Committee, but noted it should be done concurrently with a broader review of the COG committee structure. During this meeting, Executive Committee members requested that COG staff who are intimately responsible for coordinating and staffing meetings, provide a list of recommendations for municipalities to consider.

During the June 16, 2020 Executive Committee meeting, it was determined that next steps would include the solicitation of comments and recommendations from COG Agency

Directors/Program Administrators/Coordinators and the Municipal Managers. The expectation is that with changes or improvements that will enhance the committee experience, COG committees can continue to be a valuable resource in the engagement and decision making of the COG. Some of the tentative recommendations draw upon observations from meetings that have been held remotely in recent months. Other feedback draws upon broader perspectives from staffing or participating in meetings over many years. During August COG committee meetings, staff is sharing the initial feedback and recommendations as provided for by the stakeholder groups noted above.

Thus far, input and recommendations fall into three categories:

- Short-term Proposals (“low-hanging fruit”/easy to implement),
- Middle Term Proposals (items that will take more effort to implement, but are generally not costly),
- Long Term Proposals (items that may require budgeting funds, amendments to agreements, adopting resolutions, or changes in structures).

Enclosed is an overview summary of the feedback in the form of draft recommendations as of mid-July for discussion purposes. Committee members are requested to discuss and provide any additional feedback, as well as any new ideas, comments, or recommendations during this agenda item, or via email to the COG Executive Director by **August 17, 2020 at Noon**.

Action: This item is for information only. No action required.

Attachments: Summary of Draft Recommendations

Next steps: Provide any additional feedback to the COG Executive Director no later than August 17, 2020 at Noon.

6. PLANNING- RELATED RESPONSES TO THE COVID-19 PANDEMIC AND POTENTIAL IMPACTS MOVING FORWARD - *presented by Jim May, AICP, CRPA Director*

This item reviews some of the municipal land use, zoning, and transportation actions that have been undertaken to respond to the COVID-19 Pandemic. Many of the actions are short-term, addressing immediate regulatory issues to assist small and large businesses with staying open for business, successfully conducting remote meetings, and accommodating projects in the land development review and approval processes. Internally, efforts have focused on maintaining productivity, communication, and coordination while working remotely.

This item also provides several questions the TLU Committee should discuss as we consider the long-term impacts and potential changes in the built environment, impacts on

how the Region plans, and community engagement that COVID-19 Pandemic impacts could bring to the Centre Region.

Background

Over the past few months, the CRPA and municipal planning staffs have utilized a number of resources available from the American Planning Association (APA), the Pennsylvania APA, local conditions, and other sources to more fully understand how to deal with COVID-19 in the short-term. We are beginning to explore scenarios regarding how the Pandemic could influence the built environment in the Centre Region, and how planning professionals can best address needs in the Centre Region. This is the first opportunity to discuss these issues with the TLU Committee. There are not clear answers to many questions now, however, planning professionals in the Centre Region need to begin to address potential longer-term impacts of the COVID-19 Pandemic. These questions are offered to the TLU Committee for initial discussion:

1. What interim changes can, or have been made to municipal zoning, subdivision regulations, and development review processes to provide relief to the business community and to facilitate the development review process while maintaining the mission of planning organizations?
2. Should interim actions be transitioned to permanent solutions if they are successful and do no harm to the public good?
3. Are there any other regulatory changes that could be implemented now?
4. How can planning professionals maintain equitable community engagement during planning processes that require community involvement?
5. What potential long-term impacts on the built environment should planners anticipate, and how will it impact the people who live here?
6. What are the potential long-term impacts on the way planners do their work and on the planning profession in general? Examples could include working remotely, virtual meetings, or other technology improvements?
7. What fiscal impacts on municipalities can we anticipate and how will they affect planning budgets specifically?

Discussing these questions will help planning professionals work with the municipalities to identify potential long-term policies rather than continuing to rely upon urgent responses to address immediate needs. For example, if there is a permanency to social distancing, what will that do to the built environment in the long term? How will COVID-19 change how we interact in public space, how we use public infrastructure, and how we live, work, play, and move around? Though many of these questions can't be answered today, we need to start thinking together about them and considering them in our work as planning professionals.

Over the past few months, Centre Region municipalities have focused on immediate planning and zoning responses to COVID-19, including these actions and short-term strategies.

College Township

To be provided prior to the meeting.

Ferguson Township

Ferguson Township adopted Resolution 2020-18 establishing guidelines for flexible business support during COVID-19. The Resolution is *enclosed*.

Halfmoon Township

Halfmoon Township is small enough that they have not had to implement any planning-specific changes to adapt to COVID-19, except for having virtual meetings.

Harris Township

The Harris Township Board of Supervisors passed Resolution 20-13 that suspends parking requirements in order to establish temporary guidelines and policies for the outdoor sales of food and merchandise during the COVID-19 Pandemic. This resolution provides businesses with the ability to utilize outdoor areas, including parking lots for commercial activities and dining with certain restrictions. The Resolution is *enclosed*. The guidelines and policies established in the resolution are in effect until October 31, 2020 or until the resolution is repealed by the Township, whichever occurs first.

Patton Township

Patton Township has enacted several policies including: permitting temporary signs; having staff issue interim temporary use permits prior to Planning Commission and Board of Supervisor review; and working with businesses to make reasonable temporary changes on an individual basis.

State College Borough

To be provided prior to the meeting.

Action: The TLU Committee should discuss the questions, and other issues raised during the meeting.

Attachments: Ferguson Township Resolution
Harris Township Resolution

Next steps: Staff will start preparing a regular report on planning and zoning-related activities addressing COVID-19 issues.

7. OTHER BUSINESS

- A. Matter of Record - The next TLU Committee meeting will be held on Monday, **September 14, 2020** at 12:15 p.m. to accommodate the Labor Day Holiday. The meeting will be conducted virtually via Zoom.
- B. Matter of Record - As the US Senate returns to work on the next round of Coronavirus financial relief, the Pennsylvania Chapter of the American Planning Association is asking Senator Toomey for his support in providing relief to state and local governments. *Enclosed* is a letter that was sent to Senator Toomey on behalf of the PA APA membership. Over the next several weeks PA APA will be asking members to contact the Senator to express their support for legislation that will provide needed fiscal support for state and local governments. Senator Toomey's support is critical to passage of a relief bill.
- C. Matter of Record - On June 18, 2020, the US Census Bureau announced that it would be reaching out to colleges and universities with significant off-campus student populations to ensure that all students are counted in the right place in the 2020 Census. Since the enumeration of the 2020 Census was delayed due to the COVID-19 Pandemic, this information will be crucial to ensuring an accurate population count in communities like the Centre Region. *Enclosed* is a letter from the Director of the US Census Bureau informing colleges and universities that local Census Bureau staff will be reaching out to institutions beginning in mid-June to discuss the collection of basic information about students that reside off-campus.

8. ADJOURNMENT

**CENTRE REGION COUNCIL OF GOVERNMENTS (COG)
TRANSPORTATION AND LAND USE (TLU)
COMMITTEE**

**Monday, May 4, 2020
12:15 p.m.
Zoom Meeting
Minutes**

Transportation & Land Use Committee Members Present:

Theresa Lafer, Chair	State College Borough
Frank Harden, Vice-Chair	Harris Township
Lisa Strickland	Ferguson Township
Pamela Robb	Patton Township
Carla Stilson	College Township

Others Present:

Jim May	Centre Regional Planning Agency (CRPA)
Tom Zilla	CRPA
Trish Meek	CRPA
Mark Boeckel	CRPA
Nicole Pollock	CRPA
Corey Rilk	CRPA
Greg Kausch	CRPA
Pam Adams	CRPA
Marcella Laird	CRPA
Scott Binkley	COG Administration
Anne Messner	Centre County Planning & Community Development Office (CCPCDO)
Louwana Oliva	CATA
Betsy Whitman	Patton Township Supervisor
Eric Norenberg	COG Executive Director

1. CALL TO ORDER

Ms. Lafer called the meeting to order at 12:15 p.m.

At the time of the meeting start, Ms. Robb had not joined the meeting. Ms. Whitman served as the Patton Township representative until Ms. Robb joined the meeting at 12:20 p.m.

2. PUBLIC COMMENTS

There were no public comments.

3. APPROVAL OF MINUTES

Ms. Lafer entertained a motion to approve the minutes of the February 3, 2020 TLU Committee meeting.

Motion was made by Ms. Strickland and seconded by Mr. Harden to approve the minutes of the February 3, 2020 TLU Committee meeting, as presented. The motion carried 5-0.

4. OPEN DISCUSSION FOR COMMITTEE MEMBERS

There was no open discussion.

5. ASSESSING NEW OPPORTUNITIES FOR WORKFORCE HOUSING IN THE CENTRE REGION

The TLU Committee received a presentation from CRPA staff summarizing information collected to date and some preliminary results of the New Opportunities for Workforce Housing in the Centre Region Report. It has been estimated that 1,473 purpose-built student housing units were constructed in the Centre Region since 2009. There is a perception that this influx of large purpose-built student housing complexes has saturated the rental housing market. Student housing has historically been the driver that sets the monthly rent of multi-family development in the Centre Region, whether purpose-built student housing, resident housing, or rental housing. Until a few years ago, the student housing business in the Centre Region was largely a local business, and there was virtually no need to market student rental housing in the Centre Region. This created an opportunity for the influx of national multi-family builders. A combination of aging inventory, availability of institutional investors, available land, multi-family zoning, an inventory of aging housing units, and changes in where and how students want to live changed the dynamic from a local business to a national business.

The primary question the CRPA tried to address in this report is; has the construction of new purpose-built student housing unlocked new opportunities for more affordable housing in the Region? Regrettably, and for several reasons, clear-cut answers are difficult to come by; however, the CRPA can draw some initial conclusions:

- The premium on the sale of a single-family home with a student rental permit in the Borough of State College is estimated to be approximately 25 % or more than a comparable sale without a student rental permit.
- Many owners of student-oriented multi-family units have made substantial improvements to retain students. These improvements have increased the ability to lease units.
- Both multi-family and single-family student rental units within walking distance to campus remain highly competitive and popular with students.
- Transitioning from student-oriented rentals to affordable housing rentals is complex and is at the discretion of the building owners.
- Because of the competitive nature of the student housing market and some owners' reluctance to provide confidential information, the CRPA staff has found it difficult to obtain reliable and consistent information regarding the state of the market.
- Affordable housing organizations do not have the human or financial resources to purchase, own, or maintain single-family or multi-family affordable units to the extent that would increase affordable housing inventory in the Region beyond a few units.
- Moving forward, the CRPA has a fairly comprehensive data set that can be updated on a regular basis to keep the information current.

The TLU Committee provided the following comments for CRPA staff to consider:

- The CRPA should consider researching vacancy rates by reaching out to bigger rental complexes, the State College Downtown Improvement District, Centre Region municipalities, and affordable housing coalitions to gather more information about vacancy rates.
- The CRPA should consider looking into whether or not municipalities can compel rental companies through ordinance or permit requirements to release pertinent housing data, such as vacancy rates and rent costs.
- CRPA staff should work with the affordable housing organizations in the area to gather more data such as median income, who would qualify for affordable housing, and how many people are in need of affordable housing in the Centre Region.
- Staff should consider reaching out to the State College Downtown Improvement District to gather historical data or other information pertaining to affordable housing in the State College Borough.
- Staff should consider creating an interactive map of the Centre Region that shows available affordable housing units.

- The CRPA should reach out the Penn State University again in a year or so to gather information about student housing preferences.
- The CRPA staff should consider holding a virtual Listening Session with those property owners and managers that indicated that they would be interested in participating.
- The virtual Listening Session should be focused on information and data regarding affordable workforce housing. Staff should ask questions such as: How many property owners/managers own or manage just one rental property? Who do the property owners/managers rent to – no criteria, college students, graduate students, families, or one individual?
- CRPA staff should reassess the report again in the fall once Penn State University decides whether students will be allowed back on campus. Staff should look at what housing construction has been completed in the fall and how many students will be in the Region living in rentals.

Mr. Harden stated that he felt that the survey and Report did not accurately capture the workforce housing market. He explained that the Report is focused on student housing instead of how many people in the Centre Region would fall into the workforce housing category. He stated that the report is very detailed in terms of data collected, however, there needs to be more focus on workforce housing data.

Ms. Lafer agreed with Mr. Harden and stated that no one knows if Penn State University will be open for students to attend class in person this fall, however, the people that live in the Centre Region will still need affordable housing. Ms. Lafer communicated that even though there has been a lot of change due to the COVID-19 Pandemic, CRPA staff should not stop work on this report. If the number of students living in the Centre Region is reduced over the next few semesters, there could be opportunities for workforce housing for those who need it, and the CRPA should work with affordable housing entities to help make those opportunities available.

Ms. Whitman communicated that it is important for CRPA to consider the fact that virtual meetings and virtual classrooms may become a more permanent way of conducting business for the foreseeable future. There are economic and social impacts associated with conducting this type of business, so it is important to consider what these impacts will be on the Centre Region.

There was general consensus from the Committee that the completion of this report is very important to understand the rental housing market as well as find opportunities for affordable housing. Even though there has been drastic change in the economy and the number of students in the Region, the Committee felt that the current situation was temporary and the issue of affordable housing will still remain after the COVID-19 Pandemic is over. The Committee felt that there was a window of opportunity for CRPA staff to engage the larger rental complexes to gather the information needed to fully understand what is going on in the rental housing market in the Region.

Motion was made by Ms. Stilson and seconded by Mr. Harden to direct CRPA staff to address the above questions and comments and continue working on the Workforce Housing Assessment Report. The motion carried 5-0.

6. Comprehensive Plan Implementation Program (CHIP) 2021-2022

Mr. May communicated that the CRPA is proposing an abbreviated process regarding approval of CHIP projects for 2021-2022. The disruption to business practices, uncertainty regarding the COG budget process, unknown status of Penn State University students returning, and overwhelming economic circumstances and threats to health have forced the CRPA to reinvent and reassess how to set priorities and complete work on a regular basis. Like every business, CRPA work conditions are a consequence of federal, commonwealth, and local conditions. As conditions evolve, CRPA will adapt its business model to maintain best practices for employee safety and public safety while work is completed for the Centre Region municipalities.

Mr. May explained that typically, CRPA staff will meet with each municipality as well as the TLU Committee and the Centre Regional Planning Commission (CRPC) to discuss a potential list of priority projects for the CHIP. In addition, the TLU Committee and CRPC normally meet jointly in April to discuss these projects in more detail. Unfortunately, the joint April meeting was cancelled due to the COVID-19 Pandemic, and the next joint meeting will take place in October 2020.

The CRPA has three major projects either underway or beginning in 2021. A brief summary of the work is outlined below:

- **Completion of Act 537 Plan Special Studies from the UAJA**

1. Meeks Lane Pump Station Special Study
2. Scott Road Pump Station and Bristol Avenue Interceptor Special Study
3. Beneficial Reuse Service Area Designation Project
4. Nutrient Management Special Study (may occur in 2020 or 2021)

- **Initiation of the Centre Region Comprehensive Plan Update**

The last comprehensive plan was adopted in November 2013 and work should commence in 2021 to complete the update in 2023 in conformance with the recommended ten-year cycle. Work includes the preparation of an Inventory and Analysis of Existing Conditions to provide data that will inform goals, objectives, and policies in the Comprehensive Plan Update.

Climate Action and Adaptation – Potential Projects

The Climate Action and Adaptation Plan is scheduled for completion in the first quarter of 2021. A potential list of specific projects is listed below:

1. Align and organize partnerships to ensure the climate action and adaptation implementation efforts are continually incorporated into municipal operations, regional policy development, and community organizations and businesses.
2. Manage the implementation, tracking, and reporting of the strategies and actions from the Climate Action and Adaptation Plan.
 - a. Provide annual progress reports.
 - b. Complete next GHG emissions inventory in 2021/22 for 2020.
 - c. Develop funding strategies needed to support actions.
3. Coordinate a climate action and climate adaptation public outreach program through a multi-channel approach.
 - a. Facilitate public education, communications, capacity building, and coordination in the community, COG, and other governmental and nongovernmental organizations.
4. Identify model green zoning ordinances that incentivize energy efficiency for new buildings
 - a. Include the development of an ordinance for all new municipal buildings to meet a certain energy standard.
5. Review and develop planning, zoning, and development regulations that promote and integrate solar PV into the Centre Region.
 - a. Determine allowable structures and locations, including determinations on solar farms and development of solar ready buildings (siting, roof structure, etc.).
 - b. Provide guidance and technical assistance or incentives for solar PV development on parking lots, vacant lots, buffer lands around nuisances, airport safety zones, and non-building structures.
6. Review and develop planning, zoning, and development regulations that promote smart city growth.
 - a. Study best practices for parking and neighborhood designs.
 - b. Consider land use codes that require/incentivize EV charging infrastructure at multi-family and commercial developments.
 - c. Consider street standards and street classifications in the Transportation Plan that promote shared streets that incorporate infrastructure for people walking, biking, and riding mass transit.

- d. Consider a land use code with a “Pedestrian Places” component, which encourages the creation of walkable mixed-use areas that encourage walking, bicycling, and transit use.
7. Develop a comprehensive plan for waste reduction and management in Centre Region.
 - a. Reduce waste going to the landfill by X% (amount should be defined in the CAAP process).
 - b. Commercial (80% of total) and residential (20%) waste will be targeted.
 - c. Next, refuse and recycling contract planning needs to consider that only 1 bid was received for the 2020 contract.

Mr. May noted that this plan should allow for some flexibility so that CRPA staff can adjust their work to when the economy opens back up, in case there are other COVID-19 related projects that CRPA staff can work on.

In response to a question from Ms. Lafer, Mr. May explained that the CRPA staff still conducts meetings with the Sourcewater Protection Agreement Project Management Team; in addition, under the Completion of Act 537 Plan Special Studies project from the UAJA, Mr. May believes that water resource issues will be addressed. Ms. Lafer stated that she would like the project description to address water resource issues.

Motion was made by Ms. Robb and seconded by Ms. Stilson to authorize the CRPA to move forward on these projects for CHIP priority projects in 2021-2022. The motion carried 5-0.

7. OTHER BUSINESS

The next TLU Committee meeting will be held on Monday, June 1, 2020 at 12:15 p.m. via Zoom. Information on how to join this meeting will be provided closer to the meeting date.

The CCMPO is moving forward with the public comment period for the Final Draft 2021-2024 Centre County Transportation Improvement Program (TIP). The TIP will be advertised for a 30-day public comment period starting May 7, 2020 and ending June 8, 2020, and a virtual public meeting is scheduled for May 20, 2020 at 6:00 p.m. via Zoom.

The next meeting of the CCMPO Coordinating Committee will be held on Tuesday, June 23, 2020 at 6:00 p.m. via Zoom. Agenda items include adoption of the 2021-2024 Centre County TIP and discussion of the draft Long Range Transportation Plan (LRTP) 2050.

8. ADJOURNMENT

There being no further business, the May 4, 2020 meeting of the COG Transportation and Land Use (TLU) Committee was adjourned at 1:17 p.m.

Respectfully submitted,

Marcella Laird
Recording Secretary

**CENTRE REGION COUNCIL OF GOVERNMENTS (COG)
TRANSPORTATION AND LAND USE (TLU)
COMMITTEE**

**Monday, June 1, 2020
12:15 p.m.
Zoom Meeting
Minutes**

Transportation & Land Use Committee Members Present:

Theresa Lafer, Chair	State College Borough
Frank Harden, Vice-Chair	Harris Township
Lisa Strickland	Ferguson Township
Pamela Robb	Patton Township
Carla Stilson	College Township
Neil Sullivan	Penn State University

Others Present:

Jim May	Centre Regional Planning Agency (CRPA)
Tom Zilla	CRPA
Trish Meek	CRPA
Mark Boeckel	CRPA
Nicole Pollock	CRPA
Corey Rilk	CRPA
Greg Kausch	CRPA
Pam Adams	CRPA
Marcella Laird	CRPA
Jenna Wargo	Ferguson Township Planning Director
Anne Messner	Centre County Planning & Community Development Office (CCPCDO)
Louwana Oliva	CATA
Eric Norenberg	COG Executive Director

1. CALL TO ORDER

Ms. Lafer called the meeting to order at 12:17 p.m.

Mr. Sullivan joined the meeting at 12:29 p.m.

2. PUBLIC COMMENTS

There were no public comments.

3. APPROVAL OF MINUTES

Ms. Stilson expressed that she felt the discussion of the Assessing New Opportunities for Workforce Housing in the Centre Region report was not accurately captured in the meeting minutes. She stated that the Committee made a recommendation to the CRPA to look into whether or not municipalities could compel rental companies through ordinance or permit requirements to release pertinent housing data, such as vacancy rates and rent costs. Ms. Stilson also felt that the minutes did not capture the Committee's concern regarding the importance of continuing the report and not shelving it due to the COVID-19 Pandemic.

There was consensus from the Committee for CRPA staff to make necessary changes and to postpone the adoption of the minutes until the July TLU meeting.

4. OPEN DISCUSSION FOR COMMITTEE MEMBERS

Mr. Harden wondered if the TLU Committee should discuss when it can start meeting in person again. Mr. Norenberg stated that COG staff is working on a plan to slowly start allowing in person meetings in the COG Forum Room. Based on the six-foot distancing requirement, the Forum room can hold 12 to 15 people for an in-person meeting, and those attending a meeting in person would be required to wear masks. COG Administration is working with the State College Borough IT department to set up remote connection in the Forum Room so that members who are participating in the meeting from elsewhere can see those in the Forum Room and vice versa. It may be another few weeks until a conclusion is reached, and COG staff will work with the Executive Committee to finalize the details.

Ms. Lafer and Ms. Robb both expressed that they would be uncomfortable attending in-person meetings for a while due to high risk family members at home and would continue to participate in meetings via Zoom.

5. BICYCLE FRIENDLY COMMUNITY DESIGNATION – 2020 RENEWAL APPLICATION

The TLU Committee received a presentation from CRPA staff regarding the Centre Region's Bicycle Friendly Community Designation – 2020 application renewal. The Centre Region was designated as a Bronze level Bicycle Friendly Community (BFC) by the League of American Bicyclists in May 2012 and was re-designated Bronze in October 2016. BFC awards are recognized for four years and the Centre Region's designation will expire at the end of 2020. In order to maintain or improve the Region's status, a renewal application must be submitted by August 12, 2020.

The Bicycle Friendly Community program currently recognizes 488 towns, cities, counties, and regions with BFC awards, including at least one community in all 50 states and the District of Columbia. The program is free for communities and encourages local bike advocates and people who bike to provide feedback throughout the process. Communities seeking the designation are evaluated on the "5 E's":

- Engineering: Creating safe and convenient places to ride and park
- Education: Giving people of all ages and abilities the skills and confidence to ride
- Encouragement: Creating a strong bike culture that welcomes and celebrates bicycling
- Enforcement: Ensuring safe roads for all users
- Evaluation & Planning: Planning for bicycling as a safe and viable transportation option

Ms. Meek provided a presentation that detailed how the CRPA and its partners use the "5 E's" to encourage bike activity in the Centre Region. The full presentation can be found here:

https://centreregioncog.govoffice2.com/vertical/Sites/%7B6AD7E2DC-ECE4-41CD-B8E1-BAC6A6336348%7D/uploads/06-01-20_TLU_Presentation_BFC.pdf

CRPA staff will work with municipal staff, Penn State University, and area bike organizations on the renewal application in the coming month.

In response to a question from Mr. Harden, Ms. Meek stated that because the Centre Region really pushed for bike education and encouragement, she believes that the Centre Region will reach a Silver level designation during this application. Mr. Harden communicated that when the State College Area Connector project gets underway with the design phase, the CRPA should advocate bike path incorporation in whichever alternative is chosen for the project.

Ms. Strickland thanked Ms. Meek and CRPA staff for moving forward with May is Bike Month, in light of the COVID-19 Pandemic. She communicated that she attended a transportation webinar from the Pennsylvania - Municipal League and there was a lot of discussion about how important bike and walking paths are in a time like this where people may need an alternative to public transportation and car transportation. Ms. Strickland stated that it could be very beneficial if the CRPA partnered with CNET to broadcast a Biking 101 series to educate and encourage residents to use a different mode of transportation.

In response to a question from Ms. Strickland, Mr. Zilla explained that the Route 45 and Route 26 intersection improvements will include a signalized intersection that will accommodate pedestrians and bicyclists. There will not be off-road shared use paths due to right-of-way restrictions and environmental considerations, but the new intersection will be wide enough to accommodate bikes and pedestrians.

Ms. Robb encouraged CRPA staff to take advantage of events and activities that have been canceled, like Arts Fest. It would be a good way to get people out and active and could be a pre-activity to the Bike Month in September. Ms. Meek stated that as long as staff can come up with activities that adhere to the CDC COVID-19 guidelines, it could be possible. The difficult part is that most of the past bike activities and events involved bringing people together. Ms. Meek stated that if Committee members have ideas to please send them to her.

There was general consensus from the Committee members for staff to submit the Bicycle Friendly Application without bringing it back to the TLU Committee for approval in August.

6. LAND CONSUMPTION STUDY UPDATE

The TLU Committee received a presentation from CRPA staff regarding the Land Consumption Study that was included in the 2019-2020 Comprehensive Plan Implementation Program (CHIP). The study includes the examination of the rate of residential land consumption inside the Region Growth Boundary (RGB) and Sewer Service Area (SSA) to determine potential strategies to minimize land consumption, such as minimum development density requirements. While a wide variety of land uses exist within the RGB, residential land uses consume over 30 percent of the total land area and generally accounts for the majority of new development. Understanding the rates at which land is being consumed for residential uses can help inform build-out scenarios for vacant land within the RGB and identify strategies that could help encourage efficient residential development.

Over the past several months, CRPA staff created a GIS database that includes information for all residential projects inside of the RGB that were created via subdivision or land development plans. These projects were primarily created after 1900 and include both single-family and multi-family housing. The database includes 378 projects and over 17,500 parcels. Utilizing this data, staff has been able to begin analyzing how residential development densities have changed over time and by location in the Region.

In addition to studying development density trends, the data will also be used to:

- Consider impacts to vacant land availability within the RGB. The 2017 Regional Development Capacity Report (REDCAP) indicates that an adequate amount of development capacity exists within the RGB to accommodate future growth. The REDCAP Report estimates were calculated on the assumption that development potential is maximized based on underlying zoning. Most properties are not developed at or near the development potential allowed by local zoning ordinances. This can result in lower density projects that consume land more quickly than anticipated in the REDCAP Report. As a result, land within the RGB may be being consumed more quickly than anticipated.
- Study zoning strategies to ensure the efficient use of land, such as minimum density requirements. Staff intends to study the use of maximum lot size regulations and other zoning strategies that could help ensure residential land is developed efficiently.

Mr. Boeckel provided a PowerPoint presentation summarizing the preliminary results of the study. The entire presentation can be found here: https://centreregioncog.govoffice2.com/vertical/Sites/%7B6AD7E2DC-ECE4-41CD-B8E1-BAC6A6336348%7D/uploads/Land_Consumption_Study_presentation_TLU.pdf

In response to a question from Mr. Sullivan, Mr. Boeckel explained that the average number of units built per year is typically included in the Centre Regional Planning Commission (CRPC) Annual Report. Mr. Sullivan suggested CRPA look at the data a different way by looking at the rate and area of past developments and compare it to available space to see where the Centre Region will be running out of space in the future.

In response to a question from Ms. Stilson regarding townhomes and duplexes that are company owned versus those that are placed in residential neighborhoods, Mr. Boeckel stated that staff did not break that data out for this report due to the number of parcels and amount data that was gathered; however staff can

certainly pull those statistics out for the final report. Ms. Stilson communicated that pulling that data out could possibly help with finding opportunities for affordable housing units.

In response to a question from Ms. Strickland, Mr. Boeckel clarified that staff plans to break down the data by municipality because each municipality's land and zoning characteristics are very different. The vacant land area will be important for municipalities to understand their own trends in residential development.

CRPA staff will begin preparing a final report with the Committee's comments and suggestions incorporated into the report and will provide updates to the TLU Committee in the future.

7. OTHER BUSINESS

The next TLU Committee meeting will be held on Monday, July 6, 2020 at 12:15 p.m. The meeting may be conducted virtually or in person in the COG Building Forum Room. The TLU Committee members will be informed of the meeting format prior to the meeting.

The CCMPO is currently within the 30-day public comment period for the Final Draft 2021-2024 Centre County Transportation Improvement Program (TIP). The comment period closes at 12:00 noon on Monday, June 8, 2020. A virtual public meeting was held on Wednesday, May 20, 2020.

In response to a question from Ms. Lafer, Mr. Zilla reported that the public meeting consisted mostly of staff and Committee members; however, there were five members of the public and media that were present. The meeting went well, but only one public comment was submitted during the meeting. Staff has received several more comments as a result of the meeting from other members of the public. Mr. Zilla communicated that if anyone is interested in watching the recording of the meeting, it is available on the CCMPO website.

The next meeting of the CCMPO Coordinating Committee will be held on Tuesday, June 23, 2020 at 6:00 p.m. via Zoom. Agenda items include adoption of the 2021-2024 Centre County TIP and discussion of the draft Long Range Transportation Plan (LRTP) 2050.

8. ADJOURNMENT

There being no further business, the June 1, 2020 meeting of the COG Transportation and Land Use (TLU) Committee was adjourned at 1:34 p.m.

Respectfully submitted,

Marcella Laird
Recording Secretary



COG COMMITTEE STRUCTURE REVIEW RECOMMENDATIONS

July 20, 2020

DRAFT RECOMMENDATIONS (SHORT-TERM)

Item	MEETING PREPARATION	Status
1.	Develop and offer training for newly elected General Forum members about the work of committees, processes and procedures, best practices, etc.	
2.	Create a guide to running effective meetings for committee chairs (both for in-person meetings and virtual meetings).	
3.	Develop a COG-wide standard RSVP process for meetings.	
4.	Standardize agenda and minutes preparation processes and share best practices.	
5.	End provision of food at COG meetings. If and when in-person meetings resume, there are likely to be higher health standards that may be difficult to meet for serving food here. Plus, discontinuing providing food at meetings will reduce costs, increase staff productivity, and support food waste-reduction and other refuse and recycling initiatives.	
6.	As committee work plans are developed at the beginning of each year, review the meeting schedule needed to fulfill the work plan. Perhaps, rather than meeting monthly, some committees could meet every other month, or quarterly.	

Item	AGENDAS	Status
1.	Discontinue printed agenda packets for meetings, except for those individuals that do not have the technology to receive them. This would save on all costs associated with the production and distribution while handling this process in an environmentally friendly way. Continue to post agendas and attachments to the COG website one week in advance of that group's next meeting.	
2.	Standardize the format of agendas and packets, the method of distribution, and posting online.	

3.	Develop and begin to include with each agenda an introductory page that provides committee charge; how the public can participate; staff contact; meeting etiquette; and other instructions/FAQs.	
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Item	TECHNOLOGY & MEETING SPACE	Status
1.	Develop plans, systems, and the legal authority to allow for the electronic/remote attendance and participation of members, staff, and the public at COG meetings on an ongoing basis. Consider a COG Resolution so that during non-emergency periods, elected officials could participate remotely so long as a quorum of voting members was in the physical meeting room.	Underway
2.	Implement audio/visual improvements in the General Forum room to support hybrid meetings (participants in the room and attending remotely).	
3.	Standardized the seating arrangement for elected officials, staff, and the general public in the General Forum room.	
4.	Upgrade the Wi-Fi in the COG Building and General Forum room to support greater use of laptops, tablets, etc.	Completed
5.	Continue to assign back-up support staff during remote COG meetings. As hybrid meetings occur, IT staff may need to be initially utilized to help conduct these meetings.	

DRAFT RECOMMENDATIONS (MID-TERM)

Item	AGENDAS	Status
1.	Begin to investigate and consider agenda management software for use across all agencies.	
2.	Consider the use of a Consent Agenda and more written reports to enable committees to focus attention on high-priority discussion and action items.	

Item	MINUTES	Status
1.	<p>Explore alternatives to the current way minutes are taken/written to reduce the hours spent on writing minutes for every committee meeting to better utilize staff resources so they can focus on higher priority projects/tasks. Alternatives:</p> <ul style="list-style-type: none"> • Determine if the contracting for a part-time shared recording secretary is feasible. • Evaluate third-party services for meeting transcription. • Evaluate switching to condensed written “action” minutes, supplemented with audio recordings of meetings for detailed records. 	

Item	COMMITTEES	Status
1.	Establish a Special Committee on Climate Action and Sustainability in the first quarter of 2021.	
2.	Begin the process to evaluate and develop an implementation plan for the governance recommendations that were part of the Regional Parks, Recreation, and Open Space Comprehensive Study.	Underway

DRAFT RECOMMENDATIONS (LONG-TERM)

Item	AGENDAS	Status
1.	Depending on the outcome of the evaluation, budget for a COG-wide paperless agenda distribution system (discontinuing the practice of providing printed agenda packets and attachments for meetings, except to those individuals that do not have the technology to receive them). This practice would save on all costs associated with their production / distribution while handling this process in an environmentally friendly manner.	

Item	COMMITTEES	Status
1.	Following a strategic plan for the COG, a detailed review of the standing committees should be completed to determine if any committees should be combined, eliminated, or have their mission be revised.	

RESOLUTION NO. 2020-18

A RESOLUTION OF THE TOWNSHIP OF FERGUSON BOARD OF SUPERVISORS, CENTRE COUNTY, PENNSYLVANIA ESTABLISHING GUIDELINES AND POLICY FOR FLEXIBLE BUSINESS SUPPORT ALLOWING BUSINESSES TO IMPLEMENT COVID-19 SAFETY PROTOCOLS.

WHEREAS, on March 6, 2020, Governor Wolf issued a Proclamation of Disaster Emergency due to the public health threat posed by the novel coronavirus (COVID-19), authorizing political subdivisions to act as necessary within the powers conferred by the Proclamation of Disaster Emergency to meet the exigencies of the emergency; and

WHEREAS, on April 22, 2020, the Governor's Office presented a plan entitled Process to Reopen Pennsylvania which will ease social-gathering restrictions in phases based upon health indicators, while requiring on-going compliance with Center for Disease Control and Pennsylvania Department of Health guidance for social distancing, workplace safety, and masking; and

WHEREAS, federal and state health and regulatory agencies have called for the implementation of safety measures, such as increased workplace ventilation, masking, increased physical distance between employees and customers, and alteration of hours based on building size and number of employees; and

WHEREAS, the Township desires to institute strategic measures in support of the Township's business community to operate safely and in a manner designed to prevent a resurgence of the virus while respecting and following the Commonwealth's restrictions; and

WHEREAS, the safety measures are made more effective by the temporary allowance of outdoor dining, commercial activity and gathering, provided such activities consistently occur with all other state and federal statutes, regulations, and orders; and

WHEREAS, the Township intends to implement certain strategic measures in compliance with the restrictions issued by the Governor's Office and to continue to assess and modify the measure as necessary to fulfill the goals noted herein.

NOW THEREFORE IT BE RESOLVED, that the Ferguson Township Board of Supervisors establishes guidelines and an application for outdoor sale of merchandise, outdoor dining and outdoor gathering of existing businesses in the Township for a period ending thirty (30) days following the lifting of the Governor's capacity restrictions in areas and on properties where it might otherwise be prohibited provided the following:

1. The business owner seeking to use outdoor space to conduct commercial activity and dining shall be responsible for compliance with all state and federal statutes, regulations, and orders, as well as obtaining permission from the landlord or owner of the property where the use is being requested. The terms of this resolution and the guidelines to conduct outdoor commercial activity and dining expressly do not excuse business owners from complying with federal and state orders, including, but not limited to, those relating to COVID-19 mitigation nor pre-existing statutes and regulations such as Pennsylvania Department of Health requirements relating to outdoor dining.

2. The Township will temporarily suspend enforcement of certain Township ordinance regulations related to yard area setbacks and parking requirements to the extent necessary to enable businesses to utilize areas on their private property to display products, provide tables, chairs and/or gathering space for use by their patrons.

3. The business owner seeking to use outdoor space to conduct commercial activity shall nevertheless provide sufficient parking to meet the needs of its customers.

4. If a business owner uses part of a sidewalk, the business owner shall allow sufficient space for pedestrians and handicapped individuals to traverse the sidewalk. The business owner may not extend tables beyond the footprint of the business.

5. If a business owner uses spaces in a parking lot, the business owner shall provide safe separation between its customers and vehicles with the use of physical barriers and signage approved by the Zoning Officer, and the Ferguson Township Police Department, and shall not occupy any handicapped parking areas.

6. If a business owner uses a tent or other enclosure for the sale of food, merchandise or gathering space, the enclosure shall be subject to applicable requirements of the Uniform Construction Code.

7. The business owner seeking to use outdoor space to conduct commercial activity shall abide by all Township nuisance regulations, including, but not limited to, noise, lighting and odor.

8. This Resolution and its authorization to conduct commercial activity in outdoor spaces shall expire thirty (30) days following the lifting of the Governor's capacity restrictions.

BE IT FURTHER RESOLVED that the attached Ferguson Township COVID-19 Recovery Flexible Business Support Application shall be implemented as a part of this program. The application can be altered and/or modified to remain in compliance with the Governor's present or future orders or as deemed appropriate by Township Staff without further legislative action by the Board of Supervisors. This Resolution specifically authorizes Township Staff to revise and/or amend the attached COVID-19 Recovery Flexible Business Support Application as deemed appropriate and necessary by the Township without the need for a separate Resolution, and the current Application shall be maintained for public availability at the Township office and on the Township website.

BE IT FURTHER RESOLVED that this Resolution and the Ferguson Township COVID-19 Recovery Flexible Business Support Application shall become effective immediately.

RESOLVED, this 6th day of July, 2020.

TOWNSHIP OF FERGUSON

By 
Steve Miller, Chairman
Board of Supervisors

[S E A L]

ATTEST

By 
David G. Pribulka, Secretary

RESOLUTION 20-13

RESOLUTION ESTABLISHING TEMPORARY GUIDELINES AND POLICY FOR OUTDOOR SALES OF FOOD AND MERCHANDISE OF EXISTING BUSINESSES DURING THE COVID-19 PANDEMIC

WHEREAS, on March 6, 2020, due to the COVID-19 crisis Governor Wolf proclaimed the existence of a disaster emergency throughout the Commonwealth pursuant to 35 PA C.S.A. Section 7301 (c); and,

WHEREAS, on March 19, 2020, Governor Wolf ordered the closure of all businesses in the Commonwealth that are not life sustaining; and

WHEREAS, on May 1, 2020, the Governor's Office presented a plan entitled the Process to Reopen Pennsylvania that will ease social gathering restrictions in phases based upon public health indicators while requiring ongoing compliance with the Centers for Disease Control and Pennsylvania Department of Health guidance for social distancing and workplace safety; and

WHEREAS, federal and state health and regulatory agencies have called for the implementation of safety measures, such as increased workplace ventilation, increased physical distance between employers and customers and alterations of hours based on building size and number of employees; and

WHEREAS, the Township desires to institute strategic measures in support of the Township's business community to operate safely and in a manner designed to prevent a resurgence of the virus while respecting and following the Commonwealth's restrictions; and

WHEREAS, the Township, within its Code of Ordinances, has requirements, limitations and regulations that were developed under the authority given to the Township by the Second Class Township Code and/or the Pennsylvania Municipalities Planning Code for purposes including, but not limited to, protecting and promoting public safety and health and providing for the general welfare of the public and to guide the uses of land and structures; and

WHEREAS, the Township believes that a temporary suspension of the enforcement of certain requirements, limitations and regulations during the COVID-19 pandemic does not conflict with the purposes or goals of the Township's Code of Ordinances when also following the Governor's orders and associated guidelines; and

WHEREAS, the safety measures are advanced and made more effective by the temporary allowance of outdoor dining and/or commercial activity, provided such dining and commercial activity occurs consistent with all other state and federal statutes, regulations and orders.

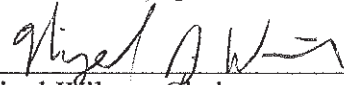
NOW, THEREFORE BE IT RESOLVED that the Board of Supervisors of Harris Township, Centre County, Pennsylvania, hereby establishes guidelines and policy for outdoor sales of merchandise and outdoor dining of existing businesses in the Township for a period ending October 31, 2020 or until such time as the Township repeals this resolution, whichever

occurs first, in areas and on properties where it might otherwise be prohibited, provided the following:

1. The business seeking to use outdoor space to conduct commercial activity and dining shall be responsible for compliance with all state and federal statutes, regulations and orders, as well as obtaining permission from the landlord or owner of the property. The terms of this resolution and the guidelines to conduct outdoor commercial activity and dining expressly do not excuse businesses from complying with federal and state orders, including but not limited to, those relating to COVID-19 mitigation nor pre-existing statutes and regulations such as the Pennsylvania Department of Health requirements relating to outdoor dining.
2. The Township will temporarily suspend the enforcement of parking requirements to the extent necessary to enable businesses to utilize areas on their private property to display products and/or provide table and chairs for use by their patrons.
3. If the business uses spaces in a parking lot, the business shall provide safe separation between its customers and vehicles. All handicapped parking areas shall meet the requirements stipulated in the Americans With Disabilities Act.
4. The business seeking to use outdoor space to conduct commercial activity shall abide by all nuisance regulations in the Township Code of Ordinances.
5. This Resolution and its temporary suspension of enforcement of certain Township ordinances shall expire October 31, 2020, or once repealed by the Township Board of Supervisors, whichever occurs first.

Duly adopted by the Board of Supervisors of Harris Township this 19th day of June 2020.

Harris Township Board of Supervisors



Nigel Wilson, Chairman

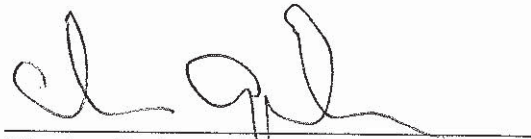


Dennis Hameister, Vice-Chairman



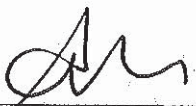
Bruce Lord, Supervisor

Franklin Harden, Supervisor



Charles Graham, Supervisor

ATTEST:



Amy Farkas, Secretary



American Planning Association
Pennsylvania Chapter

Making Great Communities Happen

July 20, 2020

Dear Senator Toomey

I write to you on the behalf of the Pennsylvania Chapter of the American Planning Association (APA PA). APA PA represents over 2,500 planners, planning officials and engaged citizens across Pennsylvania. Our members work throughout Pennsylvania to create thriving communities that expand opportunity for all. As the Senate returns to Washington, I urge your support for additional and flexible funding in the next wave of Coronavirus relief aid.

Planners – whether working directly for municipalities or private entities – keep local government functions running. But community leaders may soon be forced to cut essential planning services, if the Senate does not act soon. We are already hearing from planning directors in both rural and urban communities across Pennsylvania that they’re considering staff cuts or ending contracts for planning services as revenues dry up and response costs continue to rise. Cutting staff means losing the experience, knowledge, and support that communities will need to rebound from this crisis. It also means further delaying the development of critical infrastructure projects - which planners play an integral role – at a time when more than 700 US cities have already elected to delay or cancel infrastructure projects due to budget concerns, according to new research from the National League of Cities. Without the necessary support for planning, a long-lasting recovery may be out of reach.

Delivering flexible, direct fiscal aid will make additional funds provided to states and localities especially effective. Population eligibility caps were limitations of the CARES Act, which prevented many communities from being able to receive direct support. Communities of all sizes should not only get direct support, but also have the agency to decide how to deploy emergency funds. Allowing lost revenue to be considered an eligible expense for rescue and relief funding is vital to addressing the fiscal shortfall that threatens all state and local budgets.

Planning is essential to recovery, but we cannot do our jobs if our jobs no longer exist. It’s for these reasons that I ask you to do everything in your power to ensure that additional, flexible relief for communities and states is included in the Senate’s next Coronavirus package.

Thank you for your service,

A handwritten signature in black ink, appearing to read 'Ed LeClear'.

Ed LeClear, AICP
Legislative Committee Chair

A handwritten signature in black ink, appearing to read 'Amy B. McKinney'.

Amy B. McKinney
APA PA President

Pennsylvania Chapter
PO Box 4680
Harrisburg PA 17111
717-671-4510
planningpa.org

ADDP-2L
(06-15-2020)



**UNITED STATES DEPARTMENT OF COMMERCE
U.S. Census Bureau**

Office of the Director
Washington, DC 20233-0001

Thank you for your institution's help in ensuring that your students are accurately counted in the 2020 Census. This help is vital to the U.S. Census Bureau and your community.

Students are to be counted at the address they reside while attending college rather than back home with their families. The census counts people—including college students—where they usually live as of April 1, 2020, even if they left town early because of a school closure or shift to distance learning. The data is important to your state and locality's funding, political representation, and planning. We are already working with your student housing administrative staff to ensure your on-campus students are counted.

Today, I write to request your assistance in ensuring a complete and accurate count of the off-campus students enrolled at your school. Local Census Bureau staff will begin reaching out to your institution starting June 16 to discuss the collection of basic information about students who live off-campus, including local address information.

Any information provided by your institution will be protected by Title 13 U.S.C. Section 9. The Census Bureau will not share or release personally identifiable information in any form. Our staff will provide information about how to send the records through a secure portal or by other arrangements. If you have any questions or would like to provide a point of contact, please reach out to Decennial Management Division c/o Sarah Brady Clark at 2020.Census.Paperwork@Census.gov.

Thank you again for your help in ensuring a complete and accurate count of your student population. Indeed, the 2020 Census will shape their future and the future of your community for years to come!

Sincerely,

Steven D. Dillingham, Ph.D.



**Manager's Report
August 3, 2020**

1. Provided with my report is a letter from the Pennsylvania Department of Transportation Office of Multimodal Transportation denying the Township's application for grant funding for the Pine Grove Mills Streetscape Improvements.
2. The Ferguson Township Business Needs Survey has been distributed to all Commercial Fire Permit and Home Occupation Permit holders in the Township. The intent of the survey is to gauge local response to the COVID-19 pandemic and identify areas of concern and opportunities for improvement in the event of a "second wave" of the virus in the fall.
3. Provided with my report is a letter from the Centre County Commissioners providing a formal notification to the Township that the County has the intention of established a Commercial Property Assessed Clean Energy (C-PACE) Program. The resolution to establish the program was approved by the Commissioners on July 28th, and will enable commercial property owners in the county to finance projects related to energy efficiency, clean energy, or water conservation.
4. Provided with my report is a letter from Jesse Barlow, State College Borough Council President, in response to the letter submitted by the Ferguson Township Board of Supervisors relative to the use of the former O.W. Houts property.
5. The Pine Grove Mills Small Area Plan Advisory Board conducting its Organizational Meeting on Monday, July 27th. Matt Heller was appointed as Chairperson; Rev. Paul Tomkiel was appointed as Vice-Chairperson; and Shannon Holliday was appointed as Secretary. The group reviewed its scope of work and discussed upcoming projects and agenda items. A poll will be distributed this week to determine future meeting dates and times.
6. The Non-Uniformed Pension Advisory Committee met on July 28th to discuss responses to the Request for Proposals for pension sponsorship services. The Committee narrowed the selection to three firms who will be interviewed this month prior to a recommendation on a contract award.
7. I will be on vacation beginning on Saturday, August 8th and returning on Saturday, August 15th. I will be traveling to a state under advisory by the Pennsylvania Department of Health and, as such, will be working from home for the week of August 17th. Centrice Martin, Assistant to the Manager, will be appointed as Acting Township Manager in my absence.



July 23, 2020

David Pribulka
Township Manager
Ferguson Township
3147 Research Drive
State College, PA 16801

Re: 2020 Multimodal Transportation Fund
Application Project ID 2020-02-14-119
SENT VIA E-MAIL

Dear Mr. Pribulka:

Thank you for submitting an application for assistance from the Multimodal Transportation Fund (MTF). This letter is to inform you that the Pine Grove Mills Streetscape Improvements Project was not selected for FY 2020-2021 Multimodal Transportation Funding. We appreciate your interest and the time you invested in preparing and presenting your proposed project to us.

We received 218 applications for financial assistance from the MTF during an open application window between September 2019 and November 2019. The MTF evaluation team reviewed and evaluated the applications. This was an extremely competitive process as numerous important transportation projects were proposed that would positively serve the citizens of Pennsylvania.

Although your project was not selected for funding for the 2020-2021 fiscal year, we encourage you to reapply during the next open application window. Please check for program updates on the Department of Transportation website at www.penndot.gov.

Should you have questions on the evaluation of your project, please contact me at (717) 705-1230 or via email at djbratina@pa.gov.

Sincerely,

A handwritten signature in black ink that reads "David J. Bratina". The signature is fluid and cursive.

David J. Bratina
Office of Multimodal Transportation Fund


CENTRE COUNTY
Board of Commissioners

RECEIVED JUL 17 2020

ADMINISTRATOR
MARGARET N. GRAY

MICHAEL PIPE, *Chair*
MARK HIGGINS
STEVEN G. DERSHEM

SOLICITOR
ELIZABETH A. DUPUIS

BOC@centrecountypa.gov

July 14, 2020

Ferguson Township Board of Supervisors
Attn: David Pribulka, Manager
3147 Research Drive
State College, PA 16801

RE: Establishment of a Commercial Property Assessed Clean Energy (C-PACE) Program
Municipal Official Notification Letter

Dear Mr. Pribulka,

In June 2018, Governor Wolf signed Act 30 into law, making Pennsylvania the 34th state to enable Commercial Property Assessed Clean Energy financing (C-PACE). The Act allows local governments to establish a C-PACE program to facilitate financing of clean energy and energy efficiency projects for commercial properties.

C-PACE is a tool for local property owners, developers, and county and municipal governments to encourage economic development and the deployment of clean energy and energy efficiency projects.

Pursuant to § 4303.3 of Act 30, this letter is a formal notification that the Centre County Board of Commissioners has the intention of establishing a C-PACE program, which would be available to properties within your municipality. The County Board of Commissioners is scheduled to vote on the resolution to adopt C-PACE on Tuesday, July 28, 2020.

Once a C-PACE program is established, owners of commercial property in the county may utilize C-PACE to finance an energy efficiency, clean energy, or water conservation project. The County, through a tri-party agreement, would facilitate the repayment of energy efficiency financing as an additional line item on the property tax bill. The County will provide to local tax collectors all information required to collect the C-PACE financing repayment for properties that have elected to utilize C-PACE financing. The County will adopt formal Program Guidelines and, upon request, provide your municipality with educational information about C-PACE that can be shared with your businesses.

Additional information about this program can be found at www.PennsylvaniaCPACE.org. Please feel free to contact Ray Stolinas, Director of the Centre County Planning & Community Development Office if you have any questions or concerns.

We thank you for all that you and your local elected officials are doing during this difficult time. Please let us know if we can be of further assistance.

Page 2

C-PACE Program Municipal Official Notification Letter

July 14, 2020

Sincerely,

CENTRE COUNTY BOARD OF COMMISSIONERS

Handwritten signature of Michael Pipe in cursive script, written over a horizontal line.

Michael Pipe, Chair

Handwritten signature of Mark Higgins in cursive script, written over a horizontal line.

Mark Higgins

Handwritten signature of Steven G. Dershem in cursive script, written over a horizontal line.

Steven G. Dershem



BOROUGH OF STATE COLLEGE

243 South Allen Street, State College, PA 16801-4806

July 16, 2020

Steve Miller, Chairman
Ferguson Township Board of Supervisors
3147 Research Drive
State College, PA 16801

RECEIVED JUL 24 2020

Dear Chairman Miller:

Thank you for your correspondence regarding the West College Avenue corridor. State College agrees that it is important for our municipalities to continue working together to maintain and improve the quality of life in this part of our community. State College and Ferguson Township have enjoyed a long collaborative partnership to improve this corridor and the neighborhoods of the west end.

In your letter, you note complaints that the Ferguson Township administration and police have received since the recent parking garage construction started on the West Campus. Please be assured that the Borough has also received complaints from the west end neighborhood related to this project. In fact, the Borough has passed on to Ferguson Township some of these complaints when the source of the problem was located in Ferguson Township. The Borough has addressed the complaints that were in State College. Ferguson Township staff and Borough staff have communicated about these issues over the past months, and it is my understanding that our staffs continue to work together to address these issues.

With respect to the zoning code that governs land use in the State College portion of the former Houtz site and the West Campus property located in State College, temporary uses are permitted. Over the past five years, those uses have included construction lay down for the Metropolitan, construction lay down and storage for the SCASD Corl Street Elementary project and now for the Penn State garage project.

The current one-year permit for the Penn State garage project expires in August 2020; however, PSU may automatically renew it for one additional year as the ordinance permits the use for that specific project to continue for two years. The State College Planning Department has put Penn State on notice that the continued use of this site for a lay down area will not be approved after expiration of the permit in August 2021.

As we move forward, the Borough welcomes the opportunity to reengage the collaboration with Ferguson Township over planning and zoning in the west end. State College is also in the process of completing a comprehensive rewrite of its zoning code. While in recent years, there has not been as much collaboration on zoning issues in the west end, in the early 2000's, the Borough and the Township enjoyed a strong partnership to address the west end. I am aware that the Planning Directors for both municipalities are coordinating to align project timelines so that our municipalities may collaborate on the proposed zoning for both sides of the municipal boundary.

Thank you again for contacting the Borough regarding this manner. I hope that this addresses the Township's concerns. Please let me know if you would like to discuss this further.

Sincerely,


Jesse L. Barlow

Borough Council President

JLB/TJF/ske

cc: Dave Pribulka, Township Manager

MAYOR: RONALD L. FILIPPPELLI

COUNCIL PRESIDENT: JESSE L. BARLOW

PHONE: (814) 234-7110

BOROUGH COUNCIL: DEANNA M. BEHRING PETER S. MARSHALL

FAX: (814) 231-3082

JANET P. ENGEMAN DAN MURPHY

TDD: (814) 234-7101

THERESA D. LAFER EVAN MYERS

WEBSITE: WWW.STATECOLLEGEPA.US



TOWNSHIP OF FERGUSON

3147 Research Drive • State College, Pennsylvania 16801

Telephone: 814-238-4651 • Fax: 814-238-3454

Public Works Director's Report to the Board of Supervisors for the regular meeting on August 3, 2020

- 1. Public Works Road Crew Activities** – Planned activities for the two-week period starting July 27th include paving sections of the grit path in Tudek Park, inlet repairs, landscape and mowing work, street sweeping, sign repairs, as well as the typical vehicle and equipment maintenance. Monthly leaf and brush collection will occur the week of August 3rd.
- 2. Arborist and Tree Commission Activities-** The next Tree Commission meeting is scheduled for August 17th at 5:30 via Zoom. Discussion topics include review of the draft Tree Preservation Ordinance and Heritage Trees and the tree planting list for site plan buffer yards. FYI, a case of potential oak wilt is being investigated in College Township.
- 3. Public Works Fleet** - The mechanics continue to work staggered shifts and observe COVID-19 safe work practices.
- 4. Public Works Buildings** - The General Contractor for the administration building renovations completed punch list items. The Plumbing Contractor needs to return to repair the drinking water fountain. The electric supply to the magnetic lock for the new door between the lobby and the break room hallway was not included in the contract. The electric supply will be completed by the door security vendor shortly. Site work, roof deck installation, and concrete work continue for the new public works facility in accordance with an updated COVID-19 work safety plan. Interior block wall construction is in progress. Additional work planned for the next two weeks includes work bay trench drain installation, utility pipe installation by the Electric Contractor and Plumbing Contractor. Coordination meetings with the design team, construction manager, and prime contractors continue. Contractors are holding their own schedule coordination meetings. The current estimated substantial completion date is November 5, 2020, a change of one day since my last report. The one day delay is due to a weather day. The project is on schedule and project costs remain within the approved budget. Change orders are being managed in cooperation with our Construction Manager.
- 5. Public Works Engineering and GIS-** Engineering and GIS section personnel are working a combination of field work and office/remote work. Work includes managing 2020 capital construction projects and professional engineering service contracts, inspections of MS4 structures and BMPs, traffic signal improvement designs, land development plan reviews, development of maps to support various needs, and other engineering related activities.
- 6. Stormwater Fee Study Phase 2** –The final meeting of the Stormwater Advisory Committee is scheduled for July 29th at noon via ZOOM. The consultant will provide a review of updates to

impervious coverages and present fee structure options for consideration. A presentation of the phase 2 final report will be provided to the BOS at the regular meeting on August 17th.

7. **Contract 2016-C11 Traffic Signal Performance Metrics** - Jacobs Engineering continues to work with private communication providers to partner with the Township in providing a communications network to our traffic signals instead of the Township building and maintaining our own network. Design of this project is anticipated through the summer, fall, and winter with a bid early next year for construction in 2021.
8. **Contract 2018-C20 Park Hills Drainageway** – NTM Engineering is reviewing their schedule to continue design and permitting work for this project. Design and permitting activities are anticipated through 2021 with construction to follow. The BOS will consider funding related to utility relocation and easement acquisition during the budget review process. Three grant applications have been submitted to NFWF to help offset some of the costs.
9. **Contract 2018-C26 Traffic Signal Phasing Changes (FYA)** – This project was awarded to M&B Construction and implements the flashing yellow arrow signals at three intersections (Science Park Road at Pine Hall Road, Science Park Road at Old Gatesburg Road, and Blue Course Drive at Martin Street) and changes the signal timing plans at three signals on Science Park Road. Public outreach is planned in advance of the installation of the flashing yellow arrow. Construction should start and be completed this summer.
10. **Contract 2019-C20 Science Park and Sandy Drive Signal Study** – The signal warrant study has been reviewed by PennDOT and comments are being addressed by Stahl Sheaffer Engineering. SEE to modify the report and resubmit for approval. A peak hour warrant is met based upon traffic volume projections. A follow up study may be required by PennDOT after the signal is constructed to justify the installation based upon actual volumes.
11. **Contract 2019-C21 Pine Grove Mills Street Light Conversion:** Funding is provided in the 2020 budget to provide power cutoffs (metered pedestals) to the ornamental street lights to allow maintenance work, removal from the WPP tariff, and conversion of the high pressure sodium bulbs to LED. Preliminary design work with Barton Associates is underway. A number of options are under consideration by staff. We may be able to reduce the number of connections to the power grid and lessen the number of pedestal style meters but this increases the amount of underground wire and conduit. We can consider replacing the light fixtures entirely with new LED fixtures or keeping the existing fixture and just replace the HPS bulb with a corn cob style LED bulb and remove the ballast, we could discuss with WPP the option to enter into a new maintenance agreement whereby they do all the maintenance (since we cannot work on the lights “hot” and there are no cutoffs) and pay a new tariff rate based on LED bulbs. Staff will continue to review the pros and cons of each option and consider the costs of the various options.
12. **Contract 2020-C1 Street Improvement Project (portions of Blue Course Drive and Saratoga Drive)** Improvements to sections of these two roads include inlet repairs, curb repairs, asphalt repairs and an asphalt overlay. Work on this project was awarded to New Enterprise. Work is substantially complete.

13. **Contract 2020-C2 Street Improvement Project (Dry Hollow Road, Deibler Road, portion of Whitehall Road)** – Work includes base repair, asphalt milling, and paving a new asphalt wearing course on Whitehall Road from Timothy Lane to the County line. Some sections of guiderail will be replaced. Work on this project was awarded to New Enterprise. Line painting will be completed later in the year by separate contract. Guide rail is complete, work is substantially complete.
14. **Contract 2020-C3 Pipe Lining:** This project is advertised for bids to be opened on August 12th and included lining corrugated metal pipes in the Chestnut Ridge neighborhood, Saratoga Drive, Blue Course Drive, West Whitehall Road and Deibler Road. This year, College Township piggybacked on the contract.
15. **Contract 2020-C6 Curb and Ramp upgrades:** This is an annual contract to update and replace curb ramps on sidewalks to meet ADA requirements on roads that receive microsurfacing. Work is complete. FTPW placed topsoil backup and seed.
16. **Contract 2020-C9 Microsurfacing:** Microsurfacing is a pavement preservation technique and a contract is let annually. The work was awarded to Asphalt Paving Systems. [Work is planned to start on July 27th in Ferguson Township.](#)
17. **Contract 2020-C18 Science Park and Sandy Drive Signal Design** – Provided the final study is approved by PennDOT, the Township will design of the traffic signal in-house during the summer and fall of 2020 for bidding in the winter and construction in 2021.
18. **Contract 2020-C19 Radar Detection Upgrades** – This project upgrades the signal detection to digital radar at six intersections along Blue Course Drive and Science Park Road and has grant money from PennDOT from both the Green Light Go and Automated Red Light Enforcement grant programs. Signal permit plans are in final design in-house for PennDOT approval. A contract for materials has been awarded by the BOS and purchase orders are being issued for materials as needed. Construction is by in-house forces and is to be completed by 2021.
19. **Contract 2020-C20 Pine Grove Mills Mobility Study** – A contract for this study has been awarded to McCormick Taylor, but a notice to proceed has not been issued due to the coronavirus pandemic which has affected traffic volumes. Staff and consultant are monitoring traffic volumes and activities to determine an appropriate time to begin the project. This project could be significantly delayed.
20. **Contract 2020-C21 Pine Grove Road & Water Street/Nixon Road Signal Warrant Study** – A contract for this study has been awarded to McCormick Taylor, but a notice to proceed has not been issued due to coronavirus pandemic which has affected traffic volumes. It is anticipated that this study will be completed in coordination with the Pine Grove Mills Mobility Study.
21. **Contract 2020-C23 CBPRP Implementation Design** – Review approved PRP and start discussion regarding potential projects to meet permit requirements.



TOWNSHIP OF FERGUSON

3147 Research Drive • State College, Pennsylvania 16801
Telephone: 814-238-4651 • Fax: 814-238-3454
www.twp.ferguson.pa.us

PLANNING & ZONING DIRECTOR'S REPORT

Monday, August 3, 2020

PLANNING COMMISSION

The Planning Commission met Monday, July 27, 2020 to review the Affordable Housing Ordinance and the Final land development plan for Thistlewood Lot 19.

The Planning Commission will be meeting August 10, 2020 to discuss the draft Affordable Housing Ordinance.

LAND DEVELOPMENT PLANS AND OTHER PROJECTS

1. Active Plans are listed below for the Board of Supervisors (7/28/20).
 - o Harner Farm Subdivision (24-004-067 and replot 24-004-067C)
 - o Orchard View Subdivision (24-004-,067)
 - o Whitehall Road Sheetz Land Development Plan (24-004-067)
 - o Thistlewood Lot 19 (24-746-007)
2. PZ Staff met with a resident to discuss options of subdividing their property.
3. PZ Director attended the CIP Worksession on July 21st.
4. PZ Director and the Manager attended the Pine Grove Mills Advisory Committee meeting.
5. PZ Staff reviewed alterations submitted by PennTerra Engineering for the Cottages.
6. PZ Director attended the NUPAC meeting.
7. Zoning Administrator attended the Zoning Hearing Board meeting on July 28th.
8. Zoning Administrator reached out to business within the Township that had requested relief for COVID-19 operations.
9. PZ Director attended the Crisis Management Team Meeting.
10. Community Planner attended the Centre Regional Planning Agency/Municipal Staff Meeting.

UPCOMING ZONING HEARING BOARD MEETINGS

The Zoning Hearing Board met July 28th and reviewed a Request for Variance.

1. Dan Baxter—1278 Longfellow Lane (24-432-108-0000) that is zoned Suburban Single Family Residential (R1-B). The applicant is requesting a variance from §27-209.I.1. to place a swimming pool 15 feet into the required 200-foot AG buffer. The Zoning Hearing Board **granted** the variance request.

The Zoning Hearing Board will be meeting August 25, 2020 to review a Request for Variance.

1. Thomas J. Whitehill—2437 W. Gatesburg Road, Warriors Mark, PA 16877 (24-005-017A-0000) that is zoned Rural Agricultural (RA). The applicant is requesting a variance from §27-205.1 District Regulations to construct a 40' x 60' accessory structure approximately 10' from the rear property boundary. The required yard setback in the RA District for a single-family lot is 50'.