



AGENDA

January 26, 2021

7:30 p.m.

LOCATION:

This meeting will be held **virtually**. Any member of the public interested in participating in the meeting should email the Township at tscheivert@upperuwchlan-pa.gov for a link and a password to join in the meeting. In order to minimize public exposure to COVID-19 and maintain social distancing, the meeting will be conducted via webinar. No attendance in-person will be allowed. If you require special accommodation, please call the Township office at 610-458-9400.

	Packet Page #
I. Call to Order	
II. 2021 Reorganization	2
III. Approval of Minutes: December 22, 2020	3
IV. Approval of Payments: January 2021	5
V. Authority Administration Reports	
A. Clean Water, Inc. Monthly Report	16
B. ARRO Consulting Monthly Report	18
C. Authority Administrator's Report	43
D. Public Works Department Report	--
VI. Open Session	
VII. Next Meeting Date: February 23, 2021 ~ 7:30 p.m.	
VIII. Adjournment	



TO: Municipal Authority
G. Matthew Brown, Authority Administrator

FROM: Gwen Jonik, Township Secretary

RE: Reorganization 2021

DATE: January 7, 2021

The Authority is requested to conduct their reorganization for 2021 as follows:

- 2020 Chairperson, Hal Harper, calls the meeting to order and requests that Matt Brown conduct the election of Chairperson for 2021.
- Newly elected Chairperson then completes the reorganization:
 - Vice Chairperson for 2021
 - Authority Administrator – Matt Brown
 - Authority Solicitor – Christopher Frantz (\$215/hour, no increase)
 - Authority Engineer – ARRO Consulting (\$1-\$4/hour increases all positions except Executives)
 - Authority Operator – Clean Water Inc. (no increase)

According to past practices, it is suggested that:

Bob Watts would become Chairman

Lou Schack would become Vice-Chairman



MEETING MINUTES
December 22, 2020
7:30 PM
DRAFT

In attendance via video teleconference: H. Harper, Chairman, D. Carlson, Member, L. Schack, Member, W. Quinn, Member, Tony Scheivert, Township Manager, G. Matthew Brown, P.E., DEE, Authority Administrator and David Schlott, Jr, P.E., ARRO Consulting, Inc.

Call to Order

H. Harper, Chairman, called the meeting to order at 7:33 PM.

Approval of Minutes

Draft minutes of the November 24, 2020 meeting were presented. D. Carlson made a motion to approve the minutes as submitted. W. Quinn seconded. It was so moved.

Approval of Payments

Following a brief discussion and questions, a motion was made by D. Carlson to approve the payments for December 2020. L. Schack seconded. It was so moved. Following a brief discussion and questions D. Carlson moved to accept the balance sheet and the statement of revenue and expenses as submitted in good faith by the Township Treasurer. W. Quinn seconded. It was so moved.

Authority Administration Reports

M. Brown noted that all facilities were operating well and within permit.

M. Brown provided an update to the Board relative to the status of the Meadow Creek Sunoco pipeline and the provision of sanitary sewer to the residents.

M. Brown noted that advertisement of the Byers Road sewer line installation was completed in December.

M. Brown noted last month's contact by an engineer regarding the installation of a transfer station and office on Fellowship Road in West Vincent Township. He noted there had been no further contact since then but did remind the Board that that project would trigger the renegotiation of the intermunicipal agreement.

M. Brown reviewed the Townes at Chester Springs Maintenance Agreement forwarded to the Board and noted Toll was requesting the approval of the agreement. He noted that following the Ewing-West Vincent dedication, the Solicitor's advice was that the Municipal Authority, as the operator of the system, should be a party to future

maintenance agreements as they would be the body involved in the use and call of the maintenance bond should there be an issue. L. Schack moved and D. Carlson seconded to authorize the Chairman to execute the Maintenance Agreement. It was so moved.

Following several additional questions and a brief discussion on the reports, D. Carlson moved to accept the Reports as submitted. W. Quinn seconded. It was so moved.

Approval of 2021 Draft Operating and Capital Budgets

M. Brown presented the draft budgets, as revised per Municipal Authority comments, for consideration. A detailed discussion, questions and comments regarding the documents ensued. Following the discussion, D. Carlson moved to adopt the 2021 Capital and Operating Budgets with minor clarifications in the document text. L. Schack seconded. It was so moved. Following a brief discussion of the sewer rates and fees utilized in the operating budget to establish revenue, D. Carlson moved to accept the resolution establishing rates and fees for 2021. W. Quinn seconded. It was so moved.

Open Session

No members of the public joined the virtual meeting.

Next Meeting Date: January 26, 2021 - 7:30 PM

H. Harper noted the date and time of the next meeting of the Authority. It was also noted it would likely be a virtual venue.

Adjournment

There being no further business to be brought before the Authority, L. Schack moved, seconded by W. Quinn to adjourn the meeting at 8:05 PM.

Respectfully submitted,

G. Matthew Brown, P.E., DEE
Authority Administrator

January 22, 2021
03:05 PM

Upper Uwchlan Township
Check Register By Check Id

Page No: 1

Range of Checking Accts: MA MERIDIAN to MA MERIDIAN Range of Check Ids: 2386 to 2408
Report Type: All Checks Report Format: Super Condensed Check Type: Computer: Y Manual: Y Dir Deposit: Y

Check #	Check Date	Vendor	Amount Paid	Reconciled/Void	Ref Num
2386	01/26/21	21ST 21st CENTURY MEDIA PHILLY	1,628.58		2357
2387	01/26/21	ALSGROUP ALS GROUP USA, CORP	4,895.30		2357
2388	01/26/21	AQUAP010 AQUA PA	612.63		2357
2389	01/26/21	AQUAPA AQUA PA	75.00		2357
2390	01/26/21	ARROC010 ARRO CONSULTING, INC.	28,487.23		2357
2391	01/26/21	ATMOBIL AT & T MOBILITY	215.56		2357
2392	01/26/21	CHRISFRA FRANTZ, CHRISTOPHER	580.50		2357
2393	01/26/21	CLEANWAT CLEAN WATER, INC.	11,330.00		2357
2394	01/26/21	DECKM010 DECKMAN MOTOR & PUMP, INC	4,239.00		2357
2395	01/26/21	EAGLHARD EAGLE HARDWARE	206.85		2357
2396	01/26/21	EDMUN010 EDMUNDS GOVTECH	10,180.00		2357
2397	01/26/21	INKS0010 INK'S DISPOSAL SERVICE, INC.	1,852.50		2357
2398	01/26/21	MCGOV020 MCGOVERN ENVIRONMENTAL, LLC	10,329.92		2357
2399	01/26/21	MCI00001 MCI COMM SERVICE	76.19		2357
2400	01/26/21	MJREIDER M. J. REIDER ASSOCIATES, INC.	1,116.50		2357
2401	01/26/21	NAPA0010 NAPA	372.87		2357
2402	01/26/21	PA DEP PA DEP	150.00		2357
2403	01/26/21	PA DEP PA DEP	500.00		2357
2404	01/26/21	PECO0010 PECO ENERGY	21,494.51		2357
2405	01/26/21	PENNS080 PENNSYLVANIA ONE CALL	93.88		2357
2406	01/26/21	UPPER070 UPPER UWCHLAN TOWNSHIP	54,879.22		2357
2407	01/26/21	VERIZFIO VERIZON	1,056.35		2357
2408	01/26/21	WIN911 WIN-911 SOFTWARE	495.00		2357

Report Totals	<u>Paid</u>	<u>Void</u>	<u>Amount Paid</u>	<u>Amount Void</u>
Checks:	23	0	154,867.59	0.00
Direct Deposit:	<u>0</u>	<u>0</u>	<u>0.00</u>	<u>0.00</u>
Total:	<u>23</u>	<u>0</u>	<u>154,867.59</u>	<u>0.00</u>

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Upper Uwchlan Township
Check Payment Batch Verification Listing

Page No: 1

Batch Id: LHAINES Batch Type: C Batch Date: 01/26/21 Checking Account: MA MERIDIAN G/L Credit: Expenditure G/L Credit
Generate Direct Deposit: N

Check No.	Check Date	Vendor # Name	Payment Amt	Street 1 of Address to be printed on Check	Charge Account	Account Type	Status	Seq	Acct
PO #	Enc Date	Item Description			Description				
<hr/>									
	01/26/21	21ST 21st CENTURY MEDIA PHILLY		21C ADVERTISING					
21-00100	01/26/21	1 facilities position	1,169.00	06-400-000-341	Advertising	Expenditure	Aprv	1	1
21-00100	01/26/21	2 byers road - sewer bid	459.58	06-400-000-341	Advertising	Expenditure	Aprv	2	1
			<hr/>						
			1,628.58						
<hr/>									
	01/26/21	ALSGROUP ALS GROUP USA, CORP		P.O. BOX 975444					
21-00102	01/26/21	1 marsh harbor	883.80	06-420-000-030	Testing	Expenditure	Aprv	4	1
21-00102	01/26/21	2 upland farm	561.20	06-420-000-030	Testing	Expenditure	Aprv	5	1
21-00102	01/26/21	3 upland farm	420.90	06-420-000-030	Testing	Expenditure	Aprv	6	1
21-00102	01/26/21	4 st. elizabeth	471.90	06-420-000-030	Testing	Expenditure	Aprv	7	1
21-00102	01/26/21	5 green ridge	471.90	06-420-000-030	Testing	Expenditure	Aprv	8	1
21-00102	01/26/21	6 byres station	1,479.60	06-420-000-030	Testing	Expenditure	Aprv	9	1
21-00102	01/26/21	7 lakeridge	606.00	06-420-000-030	Testing	Expenditure	Aprv	10	1
			<hr/>						
			4,895.30						
<hr/>									
	01/26/21	AQUAP010 AQUA PA		PO BOX 70279					
21-00104	01/26/21	1 325 fellowship road	149.94	06-409-000-037	Water	Expenditure	Aprv	20	1
21-00104	01/26/21	2 658 collingwood	54.25	06-409-000-037	Water	Expenditure	Aprv	21	1
21-00104	01/26/21	3 241 fellowship road	18.60	06-409-000-037	Water	Expenditure	Aprv	22	1
21-00104	01/26/21	4 29 yarmouth lane	18.60	06-409-000-037	Water	Expenditure	Aprv	23	1
21-00104	01/26/21	5 425 hemlock lane	54.25	06-409-000-037	Water	Expenditure	Aprv	24	1
21-00104	01/26/21	6 2680 primrose court	18.60	06-409-000-037	Water	Expenditure	Aprv	25	1
21-00104	01/26/21	7 119 prescott drive	18.60	06-409-000-037	Water	Expenditure	Aprv	26	1
21-00104	01/26/21	8 439 prescott drive	18.60	06-409-000-037	Water	Expenditure	Aprv	27	1
21-00104	01/26/21	9 100 prescott drive	18.60	06-409-000-037	Water	Expenditure	Aprv	28	1
21-00104	01/26/21	10 meadow creek lane	18.60	06-409-000-037	Water	Expenditure	Aprv	29	1
21-00104	01/26/21	11 308 flagstone road	18.60	06-409-000-037	Water	Expenditure	Aprv	30	1
21-00104	01/26/21	12 1 prospect hill blvd	54.25	06-409-000-037	Water	Expenditure	Aprv	31	1

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Upper Uwchlan Township
Check Payment Batch Verification Listing

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Check No. PO #	Check Date Enc Date	Vendor # Name Item Description	Payment Amt	Street 1 of Address to be printed on Check Charge Account Description	Account Type	Status	Seq	Acct
21-00104	01/26/21	13 1120 sunderland ave	18.60	06-409-000-037 Water	Expenditure	Aprv	32	1
21-00104	01/26/21	14 528 walter court	47.68	06-409-000-037 Water	Expenditure	Aprv	33	1
21-00104	01/26/21	15 381 lcr	47.68	06-409-000-037 Water	Expenditure	Aprv	34	1
21-00104	01/26/21	16 111 dorothy lane	37.18	06-409-000-037 Water	Expenditure	Aprv	35	1
			<u>612.63</u>					
21-00122	01/26/21	1 q4 water meter readings	75.00	ATTN: PA GENERAL ACCOUNTING 06-406-000-100 Utility Billing Costs	Expenditure	Aprv	109	1
			<u>75.00</u>					
21-00103	01/26/21	1 project 9310.32 ww sys admin	8,295.75	108 WEST AIRPORT ROAD 06-400-000-002 Authority Administrator	Expenditure	Aprv	11	1
21-00103	01/26/21	2 project 17000.00 consulting	904.25	06-408-000-000 Engineering Fees	Expenditure	Aprv	12	1
21-00103	01/26/21	3 project 10270.48 byers road	4,210.00	06-408-000-000 Engineering Fees	Expenditure	Aprv	13	1
21-00103	01/26/21	4 project 10270.56 route 100	2,334.00	06-408-000-000 Engineering Fees	Expenditure	Aprv	14	1
21-00103	01/26/21	5 project 10270.64 milford	3,332.75	06-408-000-000 Engineering Fees	Expenditure	Aprv	15	1
21-00103	01/26/21	6 project 10270.71 act 537 plan	1,248.75	06-408-000-000 Engineering Fees	Expenditure	Aprv	16	1
21-00103	01/26/21	7 project 10270.72 meadow creek	4,457.73	06-408-000-000 Engineering Fees	Expenditure	Aprv	17	1
21-00103	01/26/21	8 project 10270.73 eaglepointe	1,096.00	06-408-000-000 Engineering Fees	Expenditure	Aprv	18	1
21-00103	01/26/21	9 project 10270.75 upland farms	2,608.00	06-408-000-000 Engineering Fees	Expenditure	Aprv	19	1
			<u>28,487.23</u>					
21-00101	01/26/21	1 telephone	215.56	PO BOX 6463 06-409-000-032 Telephone	Expenditure	Aprv	3	1
			<u>215.56</u>					
21-00106	01/26/21	1 november/december services	580.50	PO BOX 557 06-404-000-000 Legal Fees	Expenditure	Aprv	37	1
			<u>580.50</u>					
21-00105	01/26/21	1 janaury operations	11,330.00	170 DALLAS STREET 06-420-000-045 Contracted Services	Expenditure	Aprv	36	1
			<u>11,330.00</u>					
	01/26/21	DECKM010 DECKMAN MOTOR & PUMP, INC		49 W. FRONT STREET				

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Upper Uwchlan Township
Check Payment Batch Verification Listing

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Check No. PO #	Check Date Enc Date	Vendor # Name Item Description	Payment Amt	Street 1 of Address to be printed on Check Charge Account Description	Account Type	Status	Seq	Acct
21-00107	01/26/21	1 repaired motors	4,239.00	06-420-000-025 Maintenance & Repair	Expenditure	Aprv	38	1
			<u>4,239.00</u>					
21-00108	01/26/21	1 ma - padlocks	206.85	06-420-000-020 Supplies	Expenditure	Aprv	39	1
			<u>206.85</u>					
21-00109	01/26/21	1 2021 software maintenance -50%	8,105.00	06-420-000-045 Contracted Services	Expenditure	Aprv	40	1
21-00109	01/26/21	2 2021 hosting services -50%	2,075.00	06-420-000-045 Contracted Services	Expenditure	Aprv	41	1
			<u>10,180.00</u>					
21-00110	01/26/21	1 eaglepointe - pump & clean	1,062.50	06-420-000-025 Maintenance & Repair	Expenditure	Aprv	42	1
21-00120	01/26/21	1 highspire - cleaned & pumped	790.00	06-420-000-025 Maintenance & Repair	Expenditure	Aprv	80	1
			<u>1,852.50</u>					
21-00112	01/26/21	1 route 100 wwtp	77.63	06-420-000-031 Pump & Haul	Expenditure	Aprv	44	1
21-00112	01/26/21	2 route 100 wwtp	77.63	06-420-000-031 Pump & Haul	Expenditure	Aprv	45	1
21-00112	01/26/21	3 route 100 wwtp	3,622.51	06-420-000-031 Pump & Haul	Expenditure	Aprv	46	1
21-00112	01/26/21	4 route 100 wwtp	77.63	06-420-000-031 Pump & Haul	Expenditure	Aprv	47	1
21-00112	01/26/21	5 route 100 wwtp	77.63	06-420-000-031 Pump & Haul	Expenditure	Aprv	48	1
21-00112	01/26/21	6 route 100 wwtp	77.63	06-420-000-031 Pump & Haul	Expenditure	Aprv	49	1
21-00112	01/26/21	7 route 100 wwtp	4,133.07	06-420-000-031 Pump & Haul	Expenditure	Aprv	50	1
21-00112	01/26/21	8 eaglepointe	219.94	06-420-000-031 Pump & Haul	Expenditure	Aprv	51	1
21-00112	01/26/21	9 eaglepointe	263.93	06-420-000-031 Pump & Haul	Expenditure	Aprv	52	1
21-00112	01/26/21	10 eaglepointe	241.93	06-420-000-031 Pump & Haul	Expenditure	Aprv	53	1
21-00112	01/26/21	11 eaglepointe	351.90	06-420-000-031 Pump & Haul	Expenditure	Aprv	54	1
21-00112	01/26/21	12 eaglepointe	351.90	06-420-000-031 Pump & Haul	Expenditure	Aprv	55	1
21-00112	01/26/21	13 eaglepointe	404.69	06-420-000-031 Pump & Haul	Expenditure	Aprv	56	1
21-00112	01/26/21	14 eaglepointe	351.90	06-420-000-031 Pump & Haul	Expenditure	Aprv	57	1

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Upper Uwchlan Township
Check Payment Batch Verification Listing

Page No: 4

Check No. PO #	Check Date Enc Date	Vendor # Name Item Description	Payment Amt	Street 1 of Address to be printed on Check Charge Account Description	Account Type	Status	Seq	Acct
			10,329.92					
21-00111	01/26/21	MCI00001 MCI COMM SERVICE 1 telephone	76.19	PO BOX 15043 06-409-000-032 Telephone	Expenditure	Aprv	43	1
			76.19					
21-00113	01/26/21	MJREIDER M. J. REIDER ASSOCIATES, INC. 1 saybrooke	108.50	107 ANGELICA STREET 06-420-000-030 Testing	Expenditure	Aprv	58	1
21-00113	01/26/21	2 st. andrews brae	150.50	06-420-000-030 Testing	Expenditure	Aprv	59	1
21-00113	01/26/21	3 marsh harbor	122.50	06-420-000-030 Testing	Expenditure	Aprv	60	1
21-00113	01/26/21	4 lakeridge	108.50	06-420-000-030 Testing	Expenditure	Aprv	61	1
21-00113	01/26/21	5 greenridge	108.50	06-420-000-030 Testing	Expenditure	Aprv	62	1
21-00113	01/26/21	6 lakeridge	42.00	06-420-000-030 Testing	Expenditure	Aprv	63	1
21-00113	01/26/21	7 saybrooke	42.00	06-420-000-030 Testing	Expenditure	Aprv	64	1
21-00113	01/26/21	8 eaglepointe	150.50	06-420-000-030 Testing	Expenditure	Aprv	65	1
21-00113	01/26/21	9 st. andrews brae	77.00	06-420-000-030 Testing	Expenditure	Aprv	66	1
21-00113	01/26/21	10 reserve,eagle hunt,byers,ewing	56.00	06-420-000-030 Testing	Expenditure	Aprv	67	1
21-00113	01/26/21	11 rt 100	108.50	06-420-000-030 Testing	Expenditure	Aprv	68	1
21-00113	01/26/21	12 saybrooke	42.00	06-420-000-030 Testing	Expenditure	Aprv	69	1
			1,116.50					
21-00114	01/26/21	NAPA0010 NAPA 1 ma - chevy battery	174.99	PO BOX 461 06-420-000-235 Vehicle maintenance	Expenditure	Aprv	70	1
21-00114	01/26/21	2 ma - chevy wiper blade	108.56	06-420-000-235 Vehicle maintenance	Expenditure	Aprv	71	1
21-00114	01/26/21	3 ma - hose	89.32	06-420-000-235 Vehicle maintenance	Expenditure	Aprv	72	1
			372.87					
21-00115	01/26/21	PA DEP PA DEP 1 byers station lagoon	50.00	Division of Storage Tanks 06-420-000-035 Permits	Expenditure	Aprv	73	1
21-00115	01/26/21	2 windsor ridge wwtp	50.00	06-420-000-035 Permits	Expenditure	Aprv	74	1
21-00115	01/26/21	3 rt 100 wwtp	50.00	06-420-000-035 Permits	Expenditure	Aprv	75	1
			150.00					

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Upper Uwchlan Township
Check Payment Batch Verification Listing

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Check No. PO #	Check Date Enc Date	Vendor # Name Item Description	Payment Amt	Street 1 of Address to be printed on Check Charge Account Description	Account Type	Status	Seq	Acct
21-00118	01/26/21	PA DEP PA DEP 1 permit - wqm part II	500.00	Division of Storage Tanks 06-420-000-035 Permits	Expenditure	Aprv	78	1
			500.00					
21-00121	01/26/21	PECO0010 PECO ENERGY 1 304 fellowship road	268.62	SUMMARY BILL PROCESSING CENTER 06-409-000-036 Electric	Expenditure	Aprv	81	1
21-00121	01/26/21	2 2500 eagle farms road	744.98	06-409-000-036 Electric	Expenditure	Aprv	82	1
21-00121	01/26/21	3 seabury lane	34.23	06-409-000-036 Electric	Expenditure	Aprv	83	1
21-00121	01/26/21	4 primrose court	410.38	06-409-000-036 Electric	Expenditure	Aprv	84	1
21-00121	01/26/21	5 100 prescott drive	234.70	06-409-000-036 Electric	Expenditure	Aprv	85	1
21-00121	01/26/21	6 meadow creek lane	26.46	06-409-000-036 Electric	Expenditure	Aprv	86	1
21-00121	01/26/21	7 301 pottstown pike	1,071.18	06-409-000-036 Electric	Expenditure	Aprv	87	1
21-00121	01/26/21	8 kristines/milford	152.29	06-409-000-036 Electric	Expenditure	Aprv	88	1
21-00121	01/26/21	9 711 dorian road	651.53	06-409-000-036 Electric	Expenditure	Aprv	89	1
21-00121	01/26/21	10 111 dorothy lane	112.24	06-409-000-036 Electric	Expenditure	Aprv	90	1
21-00121	01/26/21	11 dorlan drive	1,788.46	06-409-000-036 Electric	Expenditure	Aprv	91	1
21-00121	01/26/21	12 381 lcr	438.42	06-409-000-036 Electric	Expenditure	Aprv	92	1
21-00121	01/26/21	13 milford road	28.88	06-409-000-036 Electric	Expenditure	Aprv	93	1
21-00121	01/26/21	14 st. andrews road	44.88	06-409-000-036 Electric	Expenditure	Aprv	94	1
21-00121	01/26/21	15 park road	1,907.09	06-409-000-036 Electric	Expenditure	Aprv	95	1
21-00121	01/26/21	16 55 pottstown pike	647.16	06-409-000-036 Electric	Expenditure	Aprv	96	1
21-00121	01/26/21	17 yarmouth lane	502.14	06-409-000-036 Electric	Expenditure	Aprv	97	1
21-00121	01/26/21	18 sunderland ave	1,930.39	06-409-000-036 Electric	Expenditure	Aprv	98	1
21-00121	01/26/21	19 kiloran wynd	183.68	06-409-000-036 Electric	Expenditure	Aprv	99	1
21-00121	01/26/21	20 flagstone road	1,081.58	06-409-000-036 Electric	Expenditure	Aprv	100	1
21-00121	01/26/21	21 yarmouth lane	39.82	06-409-000-036 Electric	Expenditure	Aprv	101	1
21-00121	01/26/21	22 140 pottstown pike	203.14	06-409-000-036 Electric	Expenditure	Aprv	102	1
21-00121	01/26/21	23 275 fellowship road	7,154.32	06-409-000-036 Electric	Expenditure	Aprv	103	1

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Upper Uwchlan Township
Check Payment Batch Verification Listing

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Check No. PO #	Check Date Enc Date	Vendor # Name Item Description	Payment Amt	Street 1 of Address to be printed on Check Charge Account Description	Account Type	Status	Seq	Acct
21-00121	01/26/21	24 heron hill drive	185.86	06-409-000-036 Electric	Expenditure	Aprv	104	1
21-00121	01/26/21	25 indian springs drive	145.50	06-409-000-036 Electric	Expenditure	Aprv	105	1
21-00121	01/26/21	26 yarmouth lane	88.85	06-409-000-036 Electric	Expenditure	Aprv	106	1
21-00121	01/26/21	27 hemlock lane	299.70	06-409-000-036 Electric	Expenditure	Aprv	107	1
21-00121	01/26/21	28 fellowship road	1,118.03	06-409-000-036 Electric	Expenditure	Aprv	108	1
			21,494.51					
01/26/21 PENNS080 PENNSYLVANIA ONE CALL				P.O. BOX 640407				
21-00116	01/26/21	1 pa one call - monthly activity	93.88	06-420-000-329 PA One Call	Expenditure	Aprv	76	1
			93.88					
01/26/21 UPPER070 UPPER UWCHLAN TOWNSHIP				140 POTTSTOWN PIKE				
21-00119	01/26/21	1 2020 q4 admin fees	54,879.22	06-400-000-001 Administration	Expenditure	Aprv	79	1
			54,879.22					
01/26/21 VERIZFIO VERIZON				PO BOX 15124				
21-00123	01/26/21	1 january telephone	1,056.35	06-409-000-032 Telephone	Expenditure	Aprv	111	1
			1,056.35					
01/26/21 WIN911 WIN-911 SOFTWARE				2024 E. ST. ELMO ROAD				
21-00117	01/26/21	1 annual software support	495.00	06-420-000-045 Contracted Services	Expenditure	Aprv	110	1
			495.00					
checks:	<u>Count</u> 23	<u>Line Items</u> 110	<u>Amount</u> 154,867.59					

There are NO errors or warnings in this listing.

Upper Uwchlan Township Municipal Authority

Balance Sheet

As of December 31, 2020

ASSETS

Cash

06-100-000-010	General Checking - Fulton Bank	\$	159,379.35
06-100-000-015	General Checking - Meridian Bank		247,648.78
06-100-000-020	General Checking - WIPP		136,863.34
06-106-000-002	Connection Fee Account		400,641.43
06-110-000-100	Fulton Bank Bond Proceeds - ICS		-
06-110-000-200	Fulton Bank Bond Proceeds - MMDA		5,359,798.50
	Total Cash		6,304,331.40

PSDLAF Investments:

06-109-000-003	CD Program		-
06-109-000-004	Full Flex		188.21
			188.21
	Total Investments		188.21

Accounts Receivable

06-145-000-001	Usage Fees Receivable		236,887.38
06-145-000-002	Capital Assessment Receivable		
06-147-000-000	Misc Accounts Receivable		546.00
	Total Accounts Receivable		237,433.38

Other Current Assets

06-130-000-001	Due from MA Capital Fund		-
06-130-000-002	Due from UUT General Fund		6,348.00
06-130-000-003	Due from UUT Capital Fund		-
06-130-000-004	Due from Solid Waste Fund		8,386.89
06-130-000-005	Due from Stormwater Fund		-
06-130-000-006	Due from Sewer Fund		-
06-152-000-000	Undeposited Funds		-
06-155-000-000	Pre-Paid Expenses		-
06-155-000-010	Pre-Paid Attorney Fees		-
	Total Other Current Assets		14,734.89

Fixed Assets

06-162-000-001	Fixed Assets		1,806,280.72
06-162-000-050	Accumulated Depreciation		(503,893.76)
06-163-000-100	Phase II Construction Project (CIP)		851,304.48
	Total Fixed Assets		2,153,691.44

Other Long Term Assets

06-162-000-002	Excess Treatment Capacity		1,649,293.24
	Total Other Long Term Assets		1,649,293.24

Total Assets**\$ 10,359,672.56**

Upper Uwchlan Township Municipal Authority
Balance Sheet
As of December 31, 2020

LIABILITIES AND FUND BALANCE

	<u>Current Liabilities</u>	
06-200-000-020	Accounts Payable	-
06-230-000-010	Due to UUT General Fund	69,528.82
06-230-000-020	Due to UUT Capital Fund	-
06-230-000-021	Due to MA Capital Fund	-
06-230-000-030	Due to Solid Waste Fund	26,718.71
06-230-000-040	Due to Water Resource Protection Fund	-
06-230-000-050	Due to Sewer Fund	-
06-230-000-060	Due to Developer's Escrow Fund	-
06-230-000-070	Due to UUT Sewer Fund - 2019 Bonds	5,205,556.07
06-240-000-000	Accrued Expenses	40,226.48
06-241-000-100	Retainage on Phase II Construction Project	22,861.00
06-245-000-000	Due to Customers	275.00
	Total Current Liabilities	5,365,166.08

	<u>Equity</u>	
06-272-000-001	Opening Bal Equity	753,500.35
06-272-000-002	Retained Earnings	4,030,991.86
	Current Period Net Income (Loss)	210,014.27
	Total Equity	4,994,506.48

	Total Fund Balance	4,994,506.48
	Total Liabilities & Fund Balance	\$ 10,359,672.56

**Upper Uwchlan Township Municipal Authority
Statement of Revenues and Expenditures**

For the Period Ended December 31, 2020

	Actual 2020 YTD	Budget 2020	% of Budget	Actual 2019 <i>(Audited)</i>	Budget 2019
<u>REVENUES</u>					
06-340-000-000 Interest Income	36,969.17	80,000.00	46.2%	143,373.00	15,000.00
06-365-000-000 Usage Fees Residential	2,229,350.90	2,293,851.00	97.2%	2,197,145.00	2,139,571.00
06-365-000-001 Usage Fees Commercial	97,167.60	-	#DIV/0!	121,234.00	100,000.00
06-365-000-010 Connection Fees	51,570.72	1,622,250.00	3.2%	25,875.00	2,543,000.00
06-365-000-015 Sewer - resident refunds	(88.00)	-	#DIV/0!	-	-
Grant revenue	11,471.00	-	#DIV/0!	-	-
06-370-000-000 Misc revenue	-	1,000.00	0.0%	-	1,000.00
06-393-000-100 Proceeds from Long Tern Debt	-	-	#DIV/0!	-	5,393,221.00
06-395-000-000 Refund of Prior Year Expenditures	-	-	#DIV/0!	-	-
06-395-000-100 Transfer from Sewer Fund	-	-	#DIV/0!	-	-
TOTAL REVENUES	\$ 2,426,441.39	\$ 3,997,101.00	60.7%	\$ 2,487,627.00	\$ 10,191,792.00

<u>EXPENDITURES</u>					
<u>General:</u>					
06-400-000-001 Administration	245,253.44	273,821.00	89.6%	270,080.00	241,246.00
06-400-000-002 Authority Administrator	124,393.84	120,000.00	103.7%	128,347.00	120,000.00
06-400-000-003 Professional Fees	-	12,000.00	0.0%	-	12,000.00
06-400-000-200 Admin Supplies	298.50	1,000.00	29.9%	150.00	1,000.00
06-400-000-341 Advertising	2,928.03	5,000.00	58.6%	150.00	5,000.00
06-400-000-352 Insurance - Liability	4,111.96	5,370.00	76.6%	3,575.00	5,545.00
06-400-000-355 Bank Fees	97.00	650.00	14.9%	319.00	650.00
06-402-000-450 Audit Fees	5,800.00	5,450.00	106.4%	5,550.00	5,450.00
06-404-000-000 Legal Fees	5,460.00	25,000.00	21.8%	16,663.00	20,800.00
06-406-000-100 Utility Billing Costs	12,607.53	12,000.00	0.0%	12,217.00	10,000.00
06-408-000-000 Engineering Fees	410,263.25	175,000.00	234.4%	207,307.00	150,000.00
06-408-000-100 Reimbursable Engineering Fees	-	-	#DIV/0!	-	-
	811,213.55	635,291.00	127.7%	644,358.00	571,691.00

<u>Building Expenses:</u>					
06-409-000-031 Lawn Care	-	5,000.00	0.0%	-	5,000.00
06-409-000-032 Telephone	15,305.48	15,000.00	102.0%	14,513.00	15,000.00
06-409-000-035 Insurance	12,335.84	11,078.00	111.4%	10,726.00	8,756.00
06-409-000-036 Electric	194,594.46	250,000.00	77.8%	233,860.00	250,000.00
06-409-000-037 Water	11,920.39	20,000.00	59.6%	19,150.00	25,000.00
06-409-000-052 Bldg Maint & Repair	-	10,000.00	0.0%	-	10,000.00
06-409-000-260 Building Supplies & Small Tools	-	15,000.00	0.0%	16,011.00	5,000.00
06-409-000-427 Waste Disposal	-	-	#DIV/0!	250.00	-
	234,156.17	326,078.00	71.8%	294,510.00	318,756.00

<u>Operations:</u>					
06-420-000-020 Supplies	25,452.90	50,000.00	50.9%	51,258.00	20,000.00
06-420-000-022 Chemicals	8,096.12	15,000.00	54.0%	9,539.00	15,000.00
06-420-000-023 Propane and Fuel Oil	2,991.41	5,000.00	59.8%	1,152.00	5,000.00
06-420-000-025 Maintenance & Repair	158,210.00	120,000.00	131.8%	110,708.00	120,000.00
06-420-000-030 Testing	36,203.10	35,000.00	103.4%	39,736.00	40,000.00
06-420-000-031 Pump & Haul	100,218.05	50,000.00	200.4%	70,632.00	50,000.00
06-420-000-032 Vegetation Management	5,895.00	20,000.00	29.5%	18,056.00	20,000.00
06-420-000-035 Permits	2,878.00	5,000.00	57.6%	2,616.00	5,000.00
06-420-000-042 Dues and Memberships	75.00	-	#DIV/0!	10.00	2,500.00
06-420-000-045 Contracted Services	161,528.16	150,000.00	107.7%	156,978.00	135,000.00
06-420-000-048 Misc expenses	289.00	10,000.00	2.9%	1,488.00	10,000.00
06-420-000-235 Vehicle Maintenance	-	2,000.00	0.0%	39.00	2,000.00
06-420-000-329 PA One Call	1,874.59	2,500.00	75.0%	1,254.00	2,500.00
	503,711.33	464,500.00	108.4%	463,466.00	427,000.00

**Upper Uwchlan Township Municipal Authority
Statement of Revenues and Expenditures**

For the Period Ended December 31, 2020
(Continued)

		Actual 2020 YTD	Budget 2020	% of Budget	Actual 2019 <i>(Audited)</i>	Budget 2019
	<u>Capital:</u>					
06-483-000-000	Capital Repair	94,658.53	50,000.00	189.3%	20,113.00	50,000.00
06-483-000-100	Capital Construction	-	1,500,000.00	0.0%	-	1,500,000.00
06-493-000-083	Depreciation	-	100,000.00	0.0%	101,079.00	50,000.00
		<u>94,658.53</u>	<u>1,650,000.00</u>	<u>5.7%</u>	<u>121,192.00</u>	<u>1,600,000.00</u>
Total Expenditures before Operations Agreement and Transfers		\$ 1,643,739.58	\$ 3,075,869.00	53.4%	\$ 1,523,526.00	\$ 2,917,447.00
Net Income before Operations Agreement and Transfers		\$ 782,701.81	\$ 921,232.00	85.0%	964,101.00	7,274,345.00
	<u>Other:</u>					
06-471-000-010	Operations Agreement Fee to UUT-2014 Bonds	-	-	#DIV/0!	280,631.00	369,213.00
06-471-000-020	Operations Agreement Fee to UUT-2019 Bonds	237,407.79	237,494.00	100.0%	190,062.00	190,681.00
06-471-000-030	Operations Agreement Fee to UUT-2019A Bonds	335,279.75	335,300.00	100.0%	48,198.00	-
		<u>572,687.54</u>	<u>572,794.00</u>	<u>100.0%</u>	<u>518,891.00</u>	<u>559,894.00</u>
06-492-000-010	Transfer to Sewer Fund	-	-	#DIV/0!	-	-
06-492-000-020	Transfer to Water Resource Protection Fund	-	-	#DIV/0!	-	-
06-492-000-030	Transfer to UUT Capital Fund	-	-	#DIV/0!	-	-
		<u>-</u>	<u>-</u>	<u>#DIV/0!</u>	<u>-</u>	<u>-</u>
TOTAL EXPENDITURES		\$ 2,216,427.12	\$ 3,648,663.00	60.7%	\$ 2,042,417.00	\$ 3,477,341.00
OPERATING INCOME		\$ 210,014.27	\$ 348,438.00	60.3%	\$ 445,210.00	\$ 6,714,451.00

Clean Water, Inc.

170 Dallas St.
Box 475
Atglen, Pa. 19310

Phone 610-593-5710
Fax 610-593-6311

January 22, 2021

Upper Uwchlan Township Municipal Authority
140 Pottstown Pike
Chester Springs, PA 19425

RE: Report for the January meeting

Dear Authority,

Enclosed please find the monthly report that was submitted to the DEP on your behalf. The reports are for November, informational items are current.

Route 100

We continue to spray and drip as permitted. The farmer who used to cut the Ewing fields has decided to not cut the fields due to equipment compatibility. Matt has a lead for a replacement. The screen at the plant has developed a rather large hole in it. I am hopeful it can be repaired as it is costly. While we have it bypassed, we will take that opportunity to replace screen brushes. McGovern hauled sludge. I discussed with Mike the need to consider a sump area in the pump room as it takes on water when it rains hard. There is a floor drain but I have it plugged due to there not being a check valve between floor drain and influent wet well. Consequently, if something were to happen and the wet well would get full, water would enter pump room and flooding would cause damage to equipment. I met with Steve over at Byers and showed him where several large trees fell over after the storms on Christmas Eve.

Eaglepointe

Plant is running well. The filter was raked. Sludge was removed.

Marsh Harbour

Plant is running fine. Spray continues as permitted. Lagoon levels are adequate for this time of year. Moderate temperatures have allowed me to maximize spray events. Predoc was out to investigate faulty decant valve for SBR mentioned last month. It turns out it was clogged with debris. While we had the basin down, it became obvious that 30 years of accumulated debris such as hair, rag threads, etc. will need removed. This will require a plan, and probably should be done in warmer months as entrance to basin will be needed most likely. Will keep you updated.

Lakeridge

Plant is running fine. There were no operational issues to report. Sludge was removed

Saybrooke

Facility is running fine. Sludge was removed.

Greenridge

Drip has resumed. I did add aqua shade again as a precaution to algae development.

St. Andrews

Plant is running fine. Sludge was removed. Inks Disposal was out to clean some tanks as well.

Additional info

We will be getting the Chapter 94 reports to ARRO shortly for the plants other than Route 100.

That is all for now; please call with any questions.

Respectfully,

Brian Norris



321 N. Furnace Street
Suite 200
Birdsboro, PA 19508
T 610.495.0303
F 610.495.5855

MEMORANDUM

TO: Upper Uwchlan Township Municipal Authority

FROM: G. Matthew Brown, P.E., DEE

RE: Project Status Report

PROJECT NO.: 17000.00

DATE: January 20, 2021

The following is the status of current wastewater projects within the Township:

Byers Station

Village at Byers Station (5C), Lot #1 Townhouse Parcel: The Village at Byers Station (Parcel 5C) pre-construction meeting was held on October 18, 2017. Construction is expected to start within three weeks. The Village at Byers Station (Parcel 5C) site contractor, by email dated November 14, 2017, started submitting its sanitary sewer shop drawing submittals. ARRO reviewed and commented on the submittals. Brubacher Excavating started sanitary sewer installation work on January 4, 2018. The Village of Byers Station (5C) sanitary sewer installation work continues through February 2018, approximately 40% of the sewer mains and laterals have been installed. Sanitary sewer installation work continues through March 2018. As of mid-April 2018, all sanitary sewer mains and laterals have been installed and air tested, while 75 percent of the sewer mains have also passed deflection testing. As of mid-May 2018, all sanitary sewer mains have passed pressure and deflection testing and only manhole vacuum testing remains to be done after base paving is completed. Vacuum testing of each sanitary sewer manhole on the site was completed on July 11, 2018. ARRO approved escrow release No. 1 in the amount of \$302,330.01 by letter dated September 6, 2018. Installation of the gravity house service line to each new townhouse began on September 13, 2018. ARRO reviewed the sanitary sewer videos submitted by Toll Brothers on October 19, 2018. The pipe is in good condition with only minor debris in a few runs that need to be flushed and cleaned. ARRO emailed Toll Brothers on November 2, 2018 with a list of the runs that needed cleaned.

Installation of the gravity house service line to each new townhouse is coming to an end with only four more house service lines remaining to be installed.

Village at Byers Station (5C), Lot #2 Commercial Parcel: ARRO reviewed the Village of Byers Station (5C) – Lot #2 Commercial Parcel's Sewage Facilities Planning Module (SFPM) package. The Developer's engineer submitted a 9,025 gpd sanitary sewer capacity request at the Route 100 WWTP facility. ARRO reviewed the Amended Final PRD Plans submitted by Bohler Engineering and prepared a February 27, 2018 letter to the Township with comments to the Plans. Sewage Facilities Planning Modules were sent to PADEP on April 18, 2018. ARRO reviewed Amended Final PRD Plans, last revised May 7, 2018, and submitted a May 30, 2018 letter to the Township containing comments to the Plans. Additional revised Plans were submitted on July 12, 2018 and are currently under review. The PADEP SFPM approval letter, dated June 27, 2018, was received by the Township. Vacuum testing of each sanitary sewer manhole on the site was completed on July 11, 2018. By email dated July 4, 2018, ARRO requested of Toll Brothers that they submit an agreement

document between Toll and BPG Partners, Ltd. stipulating that after BPG has the binder course paving completed each manhole will again be vacuum tested and BPG will repair any manhole that fails its vacuum re-test. ARRO submitted a July 19, 2018 sanitary sewer comments letter to the Township regarding the additional revised Plans submitted by Bohler Engineering on July 12, 2018. Toll Brothers submitted a July 30, 2018 letter acknowledging it will be responsible to ensure that the sanitary manholes in 5C Commercial will be tested after construction of the commercial portion of the subdivision. Toll requests the Authority require the testing to be a component of the financial security agreement as it relates to the commercial site work. ARRO prepared an August 31, 2018 letter to the Township with comments to the latest Final PRD Plans, last revised August 30, 2018. Eight buildings with various uses are proposed with a sewer capacity of 9,025 gallons per day. On March 18, 2019, ARRO received the draft of a revised land development drawing from Bohler Engineering presenting a new layout arrangement consisting of 67 townhome units, a coffee shop, retail store and a daycare center, and also a revised sanitary sewer capacity request of 15,195 gpd. On July 9, 2019, ARRO received from Bohler Engineering Revision 1 to the Lot #2 land development drawings. The drawings now show 55 townhome units, a 1-½ story retail building and a 2-story mixed-use commercial building. There is a revised sanitary sewer capacity request of 12,872 gpd. ARRO is reviewing the sanitary sewer portion of the drawings. ARRO prepared a July 24, 2019 comments letter to the Revision 1 land development drawings. On August 20, 2019, ARRO received revised Bohler Engineering Lot #2 land development drawings, Revision 2, dated August 16, 2019. ARRO is reviewing the sanitary sewer portion of the drawings. ARRO prepared a September 3, 2019 comments letter to the sanitary sewer portion of Bohler Engineering Lot #2 land development drawings, Revision 2, dated August 16, 2019. At the October 14, 2019 UUT Board of Supervisors meeting it was approved to send the revised Lot #2 Commercial Parcel SFPM package to PADEP. ARRO is assisting Bohler Engineering in preparing responses to comments contained in PADEP's October 31, 2019 review letter regarding the revised Lot #2 Commercial Parcel SFPM package. The Authority Administrator sent a December 9, 2019 letter to PADEP with responses to comments contained in the October 31, 2019 review letter regarding the revised Lot #2 Commercial Parcel SFPM package. Bohler Engineering reported to PADEP on January 3, 2020 that the Authority Administrator pronounced Upper Uwchlan will own the sanitary sewer main that will run within a dedicated easement through Lot 2 and connect to the sewer in Station Boulevard. A May 22, 2020 letter to Toll Brothers was prepared under Authority letterhead stating 12,872 gpd of capacity must be purchased by Toll from the Authority for the Lot #2 residential and commercial portions of the project. ARRO received revised land development plans, dated October 8, 2020. ARRO reviewed the plans and had no additional comments to the sanitary sewer portions of the plans. ARRO reviewed the sanitary sewer escrow submitted on October 12, 2020 by Toll Brothers. ARRO prepared an October 13, 2020 letter to the Township stating it had no comments to the \$147,396.00 sanitary sewer escrow estimate. The project's preconstruction meeting was held on October 21, 2020. Work to clear and rough grade the site is expected to start at the beginning of November 2020. Sanitary sewer installation is not expected to start until February 2021. Toll Brothers submitted the project's site sanitary sewer construction bond to the Township. ARRO reviewed and commented on sanitary sewer shop drawings submitted by the site contractor, Lyons & Hohl. Toll Brothers' 55 townhomes (Lot 2A, Residential), rated at 185 gpd each, has a total sewage flow of 10,175 gpd. Toll submitted certification to ARRO documenting the repurchase of 6,560 gpd Toll originally sold to Byers Retail Acquisition Limited Partnership for the previously proposed commercial improvements of the parcel. Toll will purchase the remaining 3,615 gpd it needs at \$70 per gallon for treatment and disposal. The total amount due from Toll to Upper Uwchlan Township Municipal Authority being \$253,050 as a single, upfront payment to the Authority.

According to the Township Finance Department, Toll Brothers has paid the Township the \$253,050.00 for the 55 townhomes (Lot 2A, Residential) treatment and disposal costs.

Installation sanitary sewer is tentatively scheduled to start on January 25, 2021.

Byers Station (6C), Vantage Point–Chester Springs: The Developer's engineer submitted a request for 43 EDUs (9,500 gpd) of sanitary sewer capacity at the Route 100 WWTP facility. The Authority Administrator sent a February 20, 2018 letter to D. L. Howell stating there is sufficient capacity at the Route 100 WWTP facility for the proposed 9500 gpd from the project. ARRO reviewed the project's Sewage Facilities Planning Module (SFPM). The module shows a request for 45 EDUs (10,000 gpd) of sanitary sewer capacity. SFPM Component 3 Section G and J were signed. The Pennsylvania Historical and Museum Commission clearance letter and Aqua water service letter have been received for the Sewage Facilities Planning Module (SFPM). On April 18, 2018, the Township forwarded SFPM Components 4B and 4C to the Chester County Planning Commission and Health Department. ARRO reviewed Land Development Plans, plotted April 6, 2018, and submitted an April 30, 2018 letter to the Township containing comments to the Plans. The SFPM is complete and a resolution to accept the document was placed on the Board of Supervisors' August 20, 2018 agenda. The SFPM application package was submitted to PADEP. ARRO prepared a September 6, 2018 sanitary sewer review letter to the latest Land Development Plans submitted by D.L. Howell, last revised August 13, 2018. ARRO received on December 5, 2018 the latest Land Development Plans, last revised November 30. ARRO will submit a sanitary sewer review letter the week of December 10. ARRO prepared and sent to the Township a December 14, 2018 sanitary sewer review letter to the December 5, 2018 Land Development Plans. ARRO received and reviewed the sanitary sewer portion of land development plans Revision No. 3, dated June 21, 2019. The plans show a dedicated sanitary sewer manhole in Byers Road to be installed when the Byers Road sewer extension project is constructed. ARRO prepared and sent a July 5, 2019 review comments letter to the Township. PADEP issued a July 23, 2019 with three (3) items missing from the submitted SFPM. The Authority sent PADEP an August 23, 2019 letter in response to PADEP's July 23, 2019 letter containing three comments to the project's SFPM. The UUT Board of Supervisors at its September 16, 2019 meeting executed the amended Tentative Approval Decision to permit Parcel 6C to be developed as a senior living facility. PADEP issued a November 7, 2019 letter approving the Official Plan revision for the construction of the 101-unit retirement living apartment unit at 10,100 gpd sewage volume. ARRO reviewed the latest revision to the Vantage Point Retirement Living land development plans, dated December 6, 2019. ARRO issued a January 6, 2020 review comments letter to the Township. ARRO is reviewing the latest revision to the Vantage Point Retirement Living land development plans, dated February 3, 2020. ARRO prepared a March 6, 2020 review comments letter regarding the latest revision to the Vantage Point Retirement Living land development plans, dated February 3, 2020.

Nothing new to report.

Eagle Hunt

Nothing new to report.

Eaglepointe

Wastewater Treatment Plant: ARRO is working on a plan to convert the Eaglepointe WWTP into a pretreatment facility before sending the effluent on to the Route 100 Regional WWTP for final treatment. It is proposed to design and construct an effluent pump station for a 2-inch force main. ARRO has laid out a preliminary force main route from the Eaglepointe WWTP to the proposed Byers Road sanitary sewer extension across Route 100.

Nothing new to report.

Liberty Union Bar & Grille: Liberty Union effluent was tested and BOD, fat & oil and nitrogen results were found to be higher than the Non-Residential Waste Discharge (NRWD) resolution limits. A November 13, 2017 letter was sent to Liberty Union advising them of their discharge overages and the need to meet with the Authority Administrator, Clean Water and ARRO to discuss how Liberty Union could lower the three elevated discharges. The meeting will take place on November 30,

2017. The Authority Administrator, Clean Water and ARRO met with Liberty Union on November 30, 2017 to discuss how to lower the three elevated discharges. Liberty Union stated they will institute existing grease trap cleaning reforms and update their dish cleaning policy. Clean Water will take additional samples periodically to check the reforms. Clean Water conducted a grab sampling of Liberty Union discharges on January 31, 2018. Sampling test results for Phosphorus, BOD and Oil/Grease continue to be above the Authority's NRW resolution limits. ARRO had a telephone discussion with Liberty Union on February 23, 2018 about high sampling results. Liberty Union requested a third sampling as a composite sample like the first sampling. The Authority Administrator authorized Clean Water to set up the new composite sampling, which was done over February 19 and 20. A lab error occurred with the sample collected on March 29, 2018. The lab scheduled another sampler collection for April 5 into April 6, 2018. ARRO has not received the latest sampling test results. ARRO transmitted the April 6, 2018 test results to Liberty Union. ARRO is preparing comments to Liberty Union questions on the test results. ARRO prepared comments to Liberty Union questions on the test results. Ten random grab samples for analysis will be taken from the Liberty Union pump station wetwell. Two grab samples have been analyzed and BOD exceeds 1000 mg/L in both samples. The results of two grab samples (collected September 25 and 27) were received and the BOD is below 500 mg/L in both. The results of seven grab samples collected between September 5 and October 10, 2018 all had BOD above the NRW maximum 250 mg/L threshold, the highest result was 1,700 mg/L. The Authority Administrator and ARRO conducted a meeting with Liberty Union and Epicurean Garage to discuss grease traps and grease entering the sanitary sewer system.

ARRO is in the process of updating the Non-Residential Waste Discharge resolution.

Dilibero - Go-Wireless, Eagle Car Wash and Enterprise Rent-A-Car Sanitary Sewer Connection:

ARRO is conducting an evaluation of the wastewater treatment capacity and feasibility for connecting these three businesses to the Eaglepointe WWTP sanitary sewer system. ARRO completed the evaluation, including a piping layout and cost estimate, and it is now under internal review. On April 20, 2018 ARRO transmitted its sanitary sewer evaluation to Dilibero. ARRO has been responding to sanitary sewer related questions from Dilibero's sewer contractor. On March 7, 2019 ARRO transmitted the Authority's Eaglepointe sanitary sewer and easement drawings to Dilibero's engineer for use in preparing their sanitary sewer extension plans. Eagle Service Center is unwilling to consent to a sanitary sewer easement across its property. ARRO has prepared an alternative to an entirely gravity sewer design with a preliminary low-pressure force main design that crosses through the CarSense property in order to avoid the Eagle Service Center property. ARRO has communicated with the property owner's counsel and is preparing alternative sanitary sewer connection sketch designs for consideration. ARRO prepared an alternative sanitary sewer connection sketch design and on October 2, 2020 transmitted the sketch to the property owner and its counsel for consideration.

Nothing new to report.

Ewing Tract

ARRO received from Toll Brothers, on December 5, 2018, Phase 2 Ewing Tract – West Vincent documents concerning (1) Maintenance Service Agreement for Carriage Home South, (2) Grant of Sanitary Sewer Easements and Dedication of Facilities for Butternut Lane and Rainer Road, (3) Deed of Dedication for Future Spray Field #4, (4) Grant of Sanitary Sewer Easements and Dedication of Facilities for Lots 327 and 343, and (5) Grant of Access Easements for Lot 335. ARRO is in the process of reviewing the documents. ARRO completed its review of the Toll Brothers December 5, 2018, Phase 2 Ewing Tract – West Vincent documents concerning (1) Maintenance Service Agreement for Carriage Home South, (2) Grant of Sanitary Sewer Easements and Dedication of Facilities for Butternut Lane and Rainer Road, (3) Deed of Dedication for Future Spray Field #4, (4) Grant of Sanitary Sewer Easements and Dedication of Facilities for Lots 327 and 343, and (5) Grant of Access Easements for Lot 335. ARRO emailed documents comments to Riley Riper, dated December 21,

2018 and December 31, 2018. Subsequently, ARRO received from Riley Riper a January 9, 2019 email containing documents with recommended adjustments. On February 25, 2019 ARRO received from Taylor Wiseman Taylor (TWT) revised sanitary sewer record drawings for the Ewing Tract – West Vincent Carriage Home North subdivision. ARRO approved the Ewing Tract – West Vincent Carriage Home North subdivision sanitary sewer record drawings on May 14, 2019 and ARRO subsequently received final drawings and electronic files from TWT. ARRO reviewed TWT sanitary sewer record drawings for the Ewing Tract – West Vincent Single Family East subdivision and transmitted comments to TWT on December 11, 2019. Repair of a Ewing Tract – West Vincent gravity sewer pipe defect found during the review of the contractor's televising will be completed sometime in 2020 when statewide construction is allowed to resume. By email dated June 9, 2020 Lennar informed ARRO that the repair of a Ewing Tract – West Vincent gravity sewer pipe defect has been delayed as they need to find a new subcontractor to complete the work. Repair of an Ewing Tract – West Vincent gravity sewer pipe defect is scheduled to be completed on Wednesday, July 29, 2020. The Ewing Tract – West Vincent gravity sewer pipe defect was repaired on July 29, 2020.

Nothing new to report.

Fetter Farm Tract (Preserve at Marsh Creek)

ARRO received a request from a developer engineer for information on available treatment capacity to serve the Tract and met with the Township Manager and developer engineer on September 18, 2012, to discuss treatment capacity and conveyance to the Route 100 WWTP. On August 5, 2014 a meeting with held at the Township Building with The McKee Group to discuss the active adult community proposed by the Developer for the property. A subsequent meeting was held at the Township Building on August 14, 2014 with the Township, Developer and Authority Administrator to discuss sewage flows and disposal. ARRO reviewed a Conditional Use Plan for Fetter's Property prepared for McKee-Milford Associates, LP, dated October 12, 2016. ARRO prepared a review letter to the Township, dated November 8, 2016. The Developer is proposing 375 Housing Units, which will produce 62,675 gallons per day of sanitary sewer flow. The Developer is proposing participation in upgrades to the Route 100 Regional WWTP facility that will trigger the Phase 3 expansion of the WWTP. A review of the capacity within the downstream collection and conveyance system is required to determine the extent of improvements necessary to accept the proposed sewage flow. Preliminary Subdivision/Land Development Plans were submitted to ARRO and are currently under review. The Plans call for 375 mixed Single Family, Twin and Triple units and a Community Center to be built in the subdivision. The subdivision will connect to the Reserve at Eagle by way of Prescott Drive and to the Reserve at Chester Springs by way of Radek Court. The sanitary sewer disposal requirements are calculated to be 62,675 gpd. On-site drip disposal capacity is calculated to be 42,643 gpd, and the off-site sewage disposal requirement is 20,032 gpd. The combination gravity and low-pressure sanitary sewer systems will be directed to the Reserve at Eagle Pump Station No. 1 off Prescott Drive. Preliminary Subdivision/Land Development Plans were submitted and reviewed by ARRO. ARRO comments were submitted in an April 10, 2017 letter to the Township. ARRO is in the process of reviewing the June 15, 2017 resubmission of the Preliminary Subdivision/Land Development Application. ARRO reviewed the June 15, 2017 resubmission of the Preliminary Subdivision/Land Development Plan and submitted comments to the plan in a July 10, 2017 letter to the Township. ARRO also reviewed the subdivision's low-pressure sewer system design calculations and submitted comments to the design in a July 12, 2017 letter to the Township. ARRO reviewed an August 1, 2017 revision to the low-pressure sewer system design calculations and drawings and submitted an August 16, 2017 letter to the Township with comments to the revision materials. ARRO has started an evaluation of the Reserve at Eagle Pump Station No. 1 to ascertain its capability to accept the Fetter Tract design sanitary sewer disposal requirements. ARRO received revised Preliminary Subdivision/Land Development Plans on September 14, 2017. ARRO reviewed the Plans and sent an October 3, 2017 review comments letter to the Township. ARRO continues an evaluation of the Reserve at Eagle Pump Station No. 1 to ascertain its capability to accept the Fetter Tract design sanitary sewer disposal requirements. The evaluation is substantially complete with the exception of emergency generator assessment. ARRO continues an

evaluation of Upland Farms drip disposal to ascertain the facility's capability to store and dispose the Fetter Tract effluent. ARRO reviewed the Sewage Facilities Planning Module (SFPM) and is working on the sanitary sewer review. The Authority Administrator signed the SFPM Component 3 Sections G and J. The Board of Supervisors approved the SFPM resolution at the April 16, 2018 meeting. The developer's engineer stated in an April 17 email to the Authority Administrator that the SFMP is close to being submitted to PADEP for review. The Sewage Facilities Planning Module was sent to PADEP on April 18, 2018. Ebert Engineering requested Authority assistance in preparation of a response to comments received from PADEP on the Sewage Facilities Planning Module. ARRO is working on a response. ARRO assisted Ebert Engineering in preparation of letter responses to comments received from PADEP to the Sewage Facilities Planning Module. ARRO transmitted its responses to Ebert Engineering on November 1, 2018. ARRO in association with Ebert Engineering prepared a December 13, 2018 letter to PADEP in response to PADEP Sewage Facilities Planning Module comments. ARRO reviewed the Water Quality Management Part II Permit application, dated July 23, 2019 as submitted by Ebert Engineering on July 26, 2019, along with the supporting design reports for the low-pressure sewer system and the upgrades to the Reserve at Eagle Pump Station No.1. ARRO sent comments to Ebert Engineering by email dated August 13, 2019. Ebert subsequently revised its documents based on ARRO comments and resubmitted the documents. ARRO is currently reviewing the revised documents. ARRO reviewed the latest revised Water Quality Management Part II Permit application package received August 21, 2019 from Ebert Engineering. ARRO has no further comments to Ebert's permit application, only ARRO comments remain to be addressed on E. B. Walsh's land development drawings regarding the lining of low-pressure force main discharge manholes. Ebert Engineering sent to PADEP the WQM Part II Permit Application package by transmittal letter dated October 3, 2019. On October 15, 2019 ARRO received from E. B. Walsh the latest Subdivision and Land Development Plan drawings entitled "The Preserve at Marsh Creek" along with a response letter to previous plan review comments. ARRO will review and comment on the sanitary sewer portion of the latest drawings. ARRO reviewed and on November 1, 2019 issued comments to the Phases 1 and 1A sanitary sewer escrow calculations as submitted by the McKee Group. McKee Group issued revised escrow calculations on November 15, 2019 in response to ARRO comments. The Preserve at Marsh Creek preconstruction meeting was held on December 4, 2019. Site survey and erosion control measures work will be starting within two weeks. ARRO has requested a schedule of sanitary sewer installation work from the site contractor. PADEP issued the WQM permit, dated November 25, 2019, for the low-pressure sanitary sewer with individual grinder pumps and for the upgrade to the Reserve at Eagle Pump Station No. 1 required as part of the project. McKee Group held a February 5, 2020 meeting with its engineers and contractor. Discussions included forthcoming designs for the piping between the Preserve drip fields and Upland Farms pump station, revisions to gravity sanitary sewer around Reserve at Eagle PS #1, and the Route 100 Regional WWTP Phase III expansion. McKee expects submission of the Phase III expansion design around May 2020, not March 2020 as stipulated in the Agreement for Expansion of the Route 100 Central WWTP. ARRO had a February 12, 2020 meeting with Keystone Engineering at the Reserve at Eagle PS #1 to discuss electrical revisions to the station in support of the upgrade necessary to carry McKee flows. ARRO continues reviewing the project's sanitary sewer materials shop drawings. Site contractor construction schedule shows start of sanitary sewer installation as the last week of February 2020. Site contractor started sanitary sewer installation on March 4, 2020. Site contractor suspended sanitary sewer installation work due to coronavirus restrictions. On May 1, 2020 Ebert Engineering submitted initial plans for the Reserve at Eagle Pump Station Upgrade. ARRO transmitted a May 12, 2020 email to Ebert Engineering with review comments to Reserve at Eagle Pump Station Upgrade plans. ARRO received an email from Ebert Engineering that the initial submission of the Upland Farms drip pump station upgrade and Fetter's site drip field design would be submitted during the week of May 25. On June 12, 2020 ARRO received from Ebert Engineering the initial submission of the Fetter's Tract Drip Disposal System Part II WQM Permit Application, Design Engineer's Report and Drip Disposal System design drawings issued for WQM review. ARRO is in the process of reviewing the documents. ARRO reviewed E. B. Walsh Utility Coordination drawings and Ebert Engineering revised low pressure sewer system drawings and issued June 17, 2020 comments to each drawing set. On June 25, 2020 Ebert Engineering submitted to

ARRO for review and comments a revised Fetter Drip Disposal System design that removed the Drip Filter Building, along with a revised WQM Part 2 Permit Application and Design Engineers Report. ARRO transmitted comments on the documents to Ebert Engineering by email dated July 2, 2020. On July 15, 2020 E. B. Walsh submitted a revised Utility Coordination plan set to address previous ARRO comments. The plan set was primarily developed to coordinate information contained on various plans prepared by Ebert Engineering and the E. B. Walsh offices. ARRO is in the process of reviewing the revised plan set. On July 21, 2020 Ebert Engineering submitted revised plans for the Reserve at Eagle Pump Station Upgrade. ARRO is in the process of reviewing the revised plans. Gravity sanitary sewer installation continues, while low pressure sewer system shop drawings were submitted and reviewed in early August 2020. On July 24, 2020 Ebert Engineering submitted to ARRO for review and comments a revised Fetter Drip Disposal System design along with a revised WQM Part 2 Permit Application and Design Engineers Report. ARRO is in the process of reviewing the revised documents. On July 21, 2020 Ebert Engineering submitted revised plans for the Reserve at Eagle Pump Station Upgrade. ARRO reviewed the revised plans. ARRO transmitted an August 19, 2020 email to Ebert Engineering stating it had no further comments to the plans. ARRO transmitted a September 4, 2020 email to Ebert Engineering with review comments to the revised Fetter Drip Disposal System design along with the revised WQM Part 2 Permit Application and Design Engineers Report. ARRO submitted September 2, 2020 comments to the Ebert Engineering drawings of the rerouted Reserve at Eagle PS #1 force main around existing Manhole #500 necessary to facilitate the installation of new gravity sewer between the manhole and the pump station wetwell. The drawings were subsequently revised and approved by ARRO. Sanitary sewer and force main work at the Reserve at Eagle PS #1 was completed and tested. All sanitary sewer was completed and tested between the Reserve at Eagle PS #1 and the Toll/McKee model homes. House service lines at the four McKee model homes and the two Toll Brothers model homes were completed and tested. ARRO reviewed the revised Fetter's Drip Disposal WQM application, design engineer's report and drawings submitted by Ebert Engineering on November 8, 2020 and has no further comments to the documents.

Work continues on installation and testing of sanitary sewer and low-pressure sewer system mains.

On January 8, 2021 the Authority Administrator signed the Fetter's Tract Drip Disposal WQM permit application on behalf of the Authority. Ebert Engineering will electronically submit the permit application documents to PADEP the week of January 18, 2021.

Greenridge

Open Community Adaptive Reuse Development (OCARD): On August 1, 2017 a meeting with the Developer was held at the Township to discuss the sanitary sewer options for the redevelopment of the former Upattina School parcel (Open Community Adaptive Reuse Development, a.k.a OCARD). ARRO is reviewing a revised Section H of the Sewage Facilities Planning Module submitted by the Developer on August 8, 2017. ARRO reviewed a revised Sewage Facilities Planning Module Section H submitted by the Open Community Developer. The Sewage Facilities Planning Module (SFPM) now includes the revised Section H, and the Component 4 submissions have been forwarded to Chester County's Planning Commission and Heath Department. ARRO conducted a site visit to a property which utilizes an Ecoflow unit similar to that proposed for on-site wastewater pre-treatment at the Open Community project. Chester County Planning Commission and Heath Department returned the Open Community Components 4A, 4B and 4C. Component 3 Sections G and J were completed. The Township authorized sending the SFPM package to PADEP for review. The Authority Administrator prepared a March 14, 2018 letter to Warwick Land Development stating the Authority continues to lack sufficient information from Warwick before the Authority could agree to operate the pretreatment facility proposed for the Open Community Adaptive Reuse Development. On behalf of the Open Community Developer, on November 13, 2018 Boucher & James submitted sewer connection plans for review. ARRO is in the process of reviewing the plans and will issue comments in a separate letter. ARRO completed its review of the November 13, 2018 Boucher & James sewer connection plans and issued a November 28, 2018 comments letter to the Township.

Subsequently, Boucher & James submitted to ARRO a response email on December 3, 2018 along with revised plans, last dated December 3, 2018. ARRO is reviewing the email responses and the latest revised plans. On February 25, 2019 PADEP released the WQM permit for the Open Community Adaptive Reuse Project. On March 12, 2019 the Township received a sewer permit application from the Developer. ARRO is setting up a pre-construction meeting for the Open Community Adaptive Reuse Project. On April 25, 2019 ARRO conducted a pre-construction meeting for the Open Community project. The Developer will attempt to use the existing lateral connection installed during the original Greenridge sanitary sewer installation work done in 2005. The Developer excavated a test hole at the existing Greenridge subdivision lateral connection. ARRO was informed by the Developer that elevations were taken and submitted to Boucher & James. The lateral will be used. New plans for connection to the existing lateral will be prepared and submitted to the Authority and ARRO for review. ARRO sent a September 17, 2019 email to the Developer requesting a project update for the sanitary sewer portion of the Open Community Adaptive Reuse Project. On October 15, 2019 ARRO received an email from the Developer with a project update stating bids have been awarded for the sanitary sewer portion of the Open Community Adaptive Reuse Project. Developer also indicated construction is tentatively scheduled for mid-December 2019. ARRO reviewed the latest sanitary sewer connection plan drawings, dated December 19, 2019. ARRO also reviewed some project sanitary sewer shop drawings. On January 16, 2020 ARRO submitted to the Developer comments to both items. ARRO is reviewing the latest revision to the OCARD land development plans, dated February 14, 2020, and additional shop drawings. ARRO completed reviewing the latest revision to the OCARD land development plans, dated February 14, 2020. ARRO sent an April 2, 2020 email to the Developer's engineer stating it had no further comments to the plans. By letter dated June 15, 2020 the Developer's engineer submitted final sanitary sewer system drawings. Construction of the onsite sewer piping started the week of June 15, 2020. ARRO prepared a June 19, 2020 letter accepting the final sanitary sewer design. The developer sent a July 21, 2020 email to ARRO stating they have submitted building construction permit applications for Greenridge Hall units and are awaiting permit issuance before continuing sanitary sewer installation. The email also said sanitary tanks and treatment units have been ordered. On August 19, 2020 ARRO requested the developer submit an updated project construction schedule. On September 16, 2020 ARRO again requested the developer submit an updated project construction schedule. On September 16, 2020 ARRO again requested the developer submit an updated project construction schedule.

On September 17, 2020 ARRO received an email from the developer's counsel in reply to the ARRO request for a construction schedule. Counsel wrote it would discuss the matter with the developer and one would return a response, which has yet to be received as of January 20, 2021.

Meadow Creek Sewer Extension to Greenridge WWTP: At the request of the Authority Administrator ARRO prepared March 16, 2020 sketch plans and opinions of probable construction costs to extend Meadow Creek sanitary sewer to the Greenridge WWTP. ARRO is studying the retirement of the Meadow Creek WWTP by starting a study to determine what upgrades are needed at Greenridge WWTP in order to accept flow from Meadow Creek. ARRO also initiated a preliminary design for a pump station and force main system to convey Meadow Creek flow to Greenridge WWTP. ARRO continues the plans for decommissioning the Meadow Creek WWTP, continues preliminary pump station and force main design to convey sewage to the Greenridge WWTP, and continues the study of the Greenridge WWTP to determine what upgrades are needed to accept Meadow Creek flow.

ARRO continues the plans for decommissioning the Meadow Creek WWTP, continues preliminary pump station and force main design to convey sewage to the Greenridge WWTP, and continues the study of the Greenridge WWTP to determine what upgrades are needed to accept Meadow Creek flow.

Jankowski (Chester Springs Crossing)

ARRO issued a May 5, 2017 review letter to the Township with comments to the September 13, 2016 Conditional Use Plan for the Jankowski Tract. On February 2, 2018, the Developer's engineer submitted for review subdivision plans of a 55 Single Family Housing unit community. ARRO is working on a review of the sanitary sewer portion of the subdivision plans. ARRO completed its review of the Preliminary/Final Subdivision-Land Development Plan submitted by E. B. Walsh and prepared a February 26, 2018 letter to the Township with comments to the Plans. ARRO responded to Toll Brothers regarding the Windsor Ridge Pump Station capacity to receive Jankowski estimated sanitary flow. ARRO reviewed the Preliminary/Final Subdivision-Land Development Plan, last revised May 18, 2018, and prepared June 11, 2018 comments to the Township. Sewage Facilities Planning Module Components 4A, 4B and 4C were received. Presently the project is in the 30-day Public Notice periods, which upon completion the Township can submit the components to PADEP. The Authority Administrator sent an August 14, 2018 letter to Chester County Health Department (CCHD) regarding CCHD's Component 4C comment about malfunctions along Surrey Lane, Font Road and Carriage Drive. The Administrator stated the Authority will be evaluating future extensions in these areas. Subsequently, ARRO conducted a small conceptual planning study to sewer these areas. ARRO presented three sewer extension options and cost opinions to the Authority Administrator for review and comment. The first gravity and low-pressure sewer concept sends all flow through the Jankowski tract, the second all-gravity sewer concept sends some flow through Jankowski and the remainder to Reserve at Eagle, while the third all gravity sewer concept sends all flow to the Reserve at Eagle. ARRO is reviewing the latest Preliminary/Final Subdivision Land Development Plan transmitted by E.B. Walsh letter, dated August 10, 2018. SFPM Components 4A, 4B and 4C were received, but the bog turtle clearance letter from PA Fish & Wildlife is still outstanding. The UUT Board of Supervisors authorized the resolution needed for the Sewage Facilities Planning Module at their October 15, 2018 meeting but are holding it until the clearance letter is issued. ARRO prepared an August 30, 2018 sanitary sewer review letter to the latest Preliminary/Final Subdivision-Land Development Plan transmitted by E.B. Walsh letter, dated August 10, 2018. On February 4, 2019, ARRO received the preliminary sanitary sewer escrow calculations from Toll Brothers. ARRO reviewed the calculations and returned comments to Toll. Revised calculations were received and after review were accepted by ARRO. ARRO prepared and sent a letter to the Township recommending acceptance of the sanitary escrow in the amount of \$425,955.60. On February 27, 2019 ARRO received from E. B. Walsh updated Preliminary/Final Subdivision Land Development Plans. ARRO reviewed the sanitary sewer portion of the drawings and transmitted comments to E. B. Walsh by letter dated March 11, 2019. On March 18, 2019 ARRO received from E. B. Walsh updated Preliminary/Final Subdivision Land Development Plans. ARRO reviewed the sanitary sewer portion of the drawings and transmitted comments to E. B. Walsh by email dated April 1, 2019. On April 2, 2019 ARRO received from Toll Brothers a revised sanitary sewer escrow calculation based on the latest E. B. Walsh drawings. ARRO prepared an April 2 letter to the Township recommending accepting the revised escrow amount. ARRO received a May 22, 2019 email from Toll Brothers stating Jankowski construction might start in July 2019. A pre-construction meeting for the project has been scheduled for July 24, 2019. ARRO attended the July 24, 2019 pre-construction meeting and the August 21, 2019 PennDOT HOP site meeting. Sanitary sewer installation for the project is set to begin on August 26, 2019 starting offsite in Windsor Ridge's Garrison Drive. Sanitary sewer installation for the project began on August 26, 2019 starting offsite in Windsor Ridge's Garrison Drive. Garrison Drive sanitary sewer installation is almost complete and the contractor intends to continue its work in the Jankowski site. The boring for the sanitary sewer casing under Route 100 linking Jankowski and Windsor Ridge will take place sometime in October 2019. The sanitary sewer casing boring under Route 100 linking Jankowski and Windsor Ridge is scheduled for the week of October 28, 2019. The boring and casing work under Route 100 was completed the week of November 18, 2019. In order to correct a sewer misalignment through the casing Toll Brothers agreed to install two new manholes, one upstream and one downstream of the casing, and also relocate a recently installed manhole to achieve minimum sewer slope required by PADEP. Sanitary sewer installation continues within the site. Over the weeks of January 6 through

January 13, 2020 two new manholes, one upstream and one downstream of the casing, were installed and one existing manhole in Garrison Drive was relocated to achieve minimum sewer slope required by PADEP. Sanitary sewer installation still continues within the site. Testing of sanitary sewer through Milford Road Extension, across Route 100 and in Windsor Ridge's Garrison Drive started the last week of January 2020 and continued into early February; all testing was positive. Installation of the gravity house service line to each new home has resumed the week of May 18, 2020. Testing of the onsite

sanitary sewer continued the week of June 15, 2020. Testing of all onsite sanitary sewer was completed. Sanitary sewer televising was completed and submitted to ARRO for review and comment. ARRO reviewed the sanitary sewer televising submitted by the contractor and is preparing comments.

Installation of the gravity house service line to each new home continues.

Lakeridge

ARRO is preparing an evaluation of the wastewater plant and sanitary sewer to assess the feasibility of connecting six (6) homes along Moore Road to the sanitary sewer system. ARRO completed its evaluation of the wastewater plant and sanitary sewer. The wastewater plant has sufficient capacity, but an extension to the existing Moore Road sanitary sewer will need to be constructed.

Ivystone subdivision sanitary sewer cleaning and televising will be done on Monday, January 25, 2021 to check the condition of the sewers.

Marsh Harbour

Nothing new to report.

Reserve at Eagle

Nothing new to report.

Route 100 WWTP

ARRO conducted a study to search for new disposal sites within and near the Township. Mapping was developed for the study and ARRO conducted a preliminary assessment of a potential stream discharge for the WWTP. ARRO presented its findings regarding potential disposal sites at the December 2016 Board meeting. ARRO has prepared a draft of the Route 100 Regional WWTP disposal fields study for the potential to re-rate the fields for additional capacity. ARRO engaged a sub-consultant to review the existing disposal field design records, the Route 100 WWTP SBR discharge limits and ARRO study findings. ARRO received the sub-consultant's report and is reviewing the findings. ARRO prepared a revised Route 100 Regional WWTP allocated treatment and disposal capacity summary. Based on an ARRO search and mapping study conducted in late 2016 for new disposal sites within and near the Township ARRO is evaluating a parcel on South Chester Springs Road to propose how the land could be subdivided and will be preparing an estimate of disposal capacity that would be available in the subdivided areas. ARRO evaluated a parcel on South Chester Springs Road to propose how the land could be subdivided and prepared an estimate of disposal capacity that would be available in the subdivided areas. ARRO found two potential 18-acre drip field areas on the parcel each with an average estimated capacity of 100,000 gallons per day. ARRO has initiated preliminary layout design for two potential 18-acre drip fields on the South Chester Springs Road parcel (the Bennett property).

ARRO prepared a draft of the Route 100 Regional WWTP aerated lagoon nutrient removal study for the potential of re-rating of the lagoon to obtain an additional 100,000 gallons of capacity. The draft is under internal review prior to submission to the Authority.

ARRO continues updating the Route 100 Regional wastewater system treatment facility manual and the manuals for the other treatment facilities in the Township.

ARRO is working on setting the entire Route 100 Regional WWTP disposal system into a geographical information system (GIS). ARRO has digitized the record drawings from each disposal system and has completed much of the field work gathering data from each spray and drip field and their associated pump stations. ARRO finished data collection of all Route 100 Regional WWTP disposal fields and is currently analyzing the data and integrated it into the sanitary GIS. ARRO finished integrating into sanitary GIS the data collected from all Route 100 Regional WWTP disposal fields and the Route 100 Regional WWTP. ARRO is continuing to work on digitizing features from all the satellite WWTPs.

ARRO submitted the Act 537 Planning Grant Application to the Pennsylvania Department of Community and Economic Development on May 23, 2019. ARRO received correspondence from the Pennsylvania Department of Community and Economic Development that they will consider the UUT Act 537 Planning Grant Application at their September 17, 2019 Commonwealth Financing Authority (CFA) Board meeting. The CFA posted its September 17, 2019 meeting grant award list and Upper Uwchlan Township was awarded the \$32,610 grant as requested on the Act 537 Planning Grant application. The UUTMA Act 537 Planning Project is awaiting the grant award documentation and agreement from CFA, which needs to be processed and signed before ARRO can move ahead with the planning. The UUTMA Act 537 Planning Project grant award documentation and agreement from CFA was signed. ARRO has started some basic planning work by reviewing past 537 Planning documents and township demographics. ARRO submitted the 2020 Route 100 Regional WWTP groundwater monitoring report to PADEP on June 19, 2020.

The Authority Administrator and ARRO met on January 20, 2021 to discuss various alternatives in connection with ARRO's Act 537 planning work.

ARRO started work on the Route 100 Regional WWTP WQM permit renewal application. Act 14 notifications were prepared and sent the Upper Uwchlan Township Board of Supervisors and the Chester County Planning Commission by letters dated July 15, 2020. On August 6, 2020 ARRO received a Determination of Consistency letter from the Chester County Planning Commission in response to the Act 14 notification letter. ARRO has started preparation of the 5-Year Comprehensive Groundwater Monitoring Report for inclusion within the WQM permit renewal application. ARRO completed preparation of the 5-Year Comprehensive Groundwater Monitoring Report on September 3, 2020 for inclusion within the WQM permit renewal application. ARRO completed preparation of the WQM permit renewal draft application. The application needs to be signed by the Authority Administrator before being sent to PADEP. ARRO completed the WQM permit renewal application and sent it to PADEP on October 30, 2020.

Nothing new to report.

Route 100 WWTP – Phase III

ARRO is reviewing the Route 100 Regional WWTP pad-mounted transformer's capacity in planning for the Phase III of the WWTP expansion. On February 12, 2018, ARRO met with a PECO representative at the WWTP to inspect the capacity of the WWTP's existing transformer and review the Phase III project. After ARRO reviewed the transformer data provided by PECO along with additional anticipated Phase III loadings ARRO concluded that the existing transformer will need to be upgraded. On May 3, 2018 ARRO completed a preliminary cost opinion for the Phase III construction. ARRO responded to February 28, 2020 questions from Ebert Engineering regarding the design of the Phase III precast tanks and the SBR treatment system. ARRO reviewed the initial Aqua-Aerobics Phase III Process Design Report and submitted April 3, 2020 comments to Ebert Engineering on the report. Subsequently Ebert Engineering submitted an updated Process Design Report to ARRO, which ARRO is in the process of reviewing. ARRO received a June 9 email from Ebert Engineering that the initial submission of Route 100 Regional WWTP Phase III design documents would be submitted the week of June 22. ARRO received a July 17, 2002 email from Ebert Engineering that Dutchland is proposing to use the common wall design for the two new SBR basins. On July 24, 2020 ARRO received from Ebert Engineering a WQM Part 2 permit application and upgrade design drawings for the Route 100 Regional

WWTP Phase III project. ARRO is in the process of reviewing the documents. On August 20, 2020 ARRO transmitted to Ebert Engineering comments to the Route 100 Regional WWTP Phase III WQM Part 2 permit application and upgrade design drawings. ARRO completed review of Ebert Engineering's revised Route 100 Regional WWTP Phase III WQM Part 2 permit application with revised upgrade design drawings transmitted November 4, 2020. On December 16, 2020 ARRO transmitted comments on the documents to Ebert Engineering.

ARRO completed a review of Ebert Engineering's further revised Route 100 Regional WWTP Phase III WQM permit application design documents and had no further comments to the application. On January 8, 2021 the Authority Administrator signed the permit application on behalf of the Authority. Ebert Engineering will electronically submit the permit application documents to PADEP the week of January 18, 2021.

Saybrooke

ARRO is working on a plan for the decommissioning of the Saybrooke WWTP.

ARRO submitted the 2020 Saybrooke WWTP groundwater monitoring report to PADEP on June 19, 2020.

Nothing new to report.

St. Andrews Brae

Nothing new to report.

Upland Farms

ARRO is preparing plans and specifications for a low-pressure grinder pump and force main for the Barn Renovation project. ARRO estimated the purchase of 1 EDU would be required for the barn's intended uses. ARRO is attempting to obtain from PADEP a planning module exemption for the proposed barn sewer connection. ARRO received a November 19, 2020 letter from PADEP stating no planning modules need to be submitted for the proposed barn sewer connection. ARRO is working with the Township's project manager (Boyle Construction) for the sanitary sewer portion of the project.

Nothing new to report.

Waynebrook

Nothing new to report.

Windsor Ridge

Nothing new to report.

Miscellaneous

270 – 290 Park Road (The Townes at Chester Springs) – PADEP issued a May 10, 2017 letter approving the proposed 40 townhouses development that will generate 7,400 gallons of sewage per day to be treated at the Route 100 Regional WWTP. ARRO is reviewing the June 20, 2017 resubmission of Land Development Plans for the project. Toll Brothers will be purchasing the approved plans and will develop and build the project. ARRO reviewed and commented on the draft sanitary sewer escrow spreadsheet submitted by Toll Brothers on June 14, 2017. ARRO reviewed the June 20, 2017 resubmission of Land Development Plans for the project and sent a June 23, 2017 letter to the Township with comments. The project preconstruction meeting was held on July 27, 2017. ARRO reviewed the contractor's sanitary sewer shop drawings. Sanitary sewer installation is tentatively scheduled to start the first week of October 2017. Sanitary sewer installation started on

October 9, 2017. Sanitary sewer installation was completed on November 7, 2017. All sanitary sewer testing was completed on December 18, 2017. On February 14, 2108, Toll Brothers informed ARRO that the house service line installations would begin in the later part of February 2018. House service line installations began on February 28, 2018. The last four house service lines were installed and tested during the week of October 1, 2019. Sanitary sewer installation work is complete, but dedication of sanitary sewer remains. At the request of Toll Brothers as part of dedication, on July 22, 2020 ARRO observed the condition of the site sanitary manholes and will prepare a punchlist of work that needs to be completed before acceptance of the sanitary sewer system. ARRO prepared and submitted to Toll Brothers an August 12, 2020 email with a punchlist of work that needs to be completed before acceptance of the sanitary sewer system. Toll Brothers' contractor completed the punchlist of work that needed to be completed before acceptance of the sanitary sewer system. On August 26, 2020 ARRO observed the repairs done to the sanitary sewer system. ARRO is in the process of reviewing the final sanitary sewer televising. On November 8, 2020, Toll Brothers submitted the sanitary sewer record drawings. ARRO reviewed the drawings and transmitted comments back to Toll on November 12, 2020. Toll Brothers submitted the Maintenance Security Agreement, Grant of Sanitary Sewer Easement and Dedication of Sanitary Sewer Pipeline Facilities, and Assignment of Easement for Sanitary Sewer Pipeline for review and comment. ARRO reviewed the documents and transmitted comments to the Authority counsel.

ARRO prepared a January 11, 2021 letter to the Township stating all sanitary sewer construction work is complete and record drawings were submitted and approved; therefore, it is acceptable to approve Toll Brothers' Escrow Release No. 2 (FINAL) amount of \$30,860.60.

Active Adult Community, 100 Greenridge Road – On January 7, 2021 the Authority Administrator and ARRO met with a developer to discuss the sanitary aspects for a potential 78 ea. lot active adult community situated over a 58.94-acre total site area at 100 Greenridge Road. A sketch of the proposed site and a ChescoViews satellite image of the site is attached to the January 20, 2021 Project Status Report.

Village of Eagle

Byers Road Sanitary Sewer Extension - ARRO preliminary planning for sanitary sewer along Byers Road between Pottstown Pike and Senn Drive was submitted to the Authority Administrator for review and comment. ARRO is preparing the Sewage Facilities Planning Module Component 3M for the sanitary sewer along Byers Road between Pottstown Pike and Senn Drive. ARRO received a completed Component 4A from the Township on October 19, 2017. At the request of the Chester County Health Department, on January 9, 2018, ARRO sent another Sewage Facilities Planning Module Component 3M letter to CCHD for the sanitary sewer extension along Byers Road between Pottstown Pike and Senn Drive. In February 2018 letters were sent to the property owners who will be connected to the new Byers Road sanitary sewer informing them that the project's survey will be commencing. ARRO is continuing to prepare drawings and construction specifications for the sanitary sewer extension. The project's survey work was completed in early March 2018. ARRO has the survey information for inclusion in the plans. ARRO has the design plans and specifications in the final stage of completion. ARRO submitted the highway occupancy permit to PennDOT on April 16, 2018. There were no public comments to the sewage facilities planning module (SFPM) and the Board of Supervisors passed a resolution approving the submission of the SFPM to PADEP. ARRO submitted the Sewage Facilities Planning Module to PADEP on April 27, 2018. Comments from PADEP are expected within sixty (60) days. PennDOT has approved the highway occupancy permit plans and requires payment of \$810 for inspection observation prior to release of the permit. PADEP transmitted its comments to the Sewage Facilities Planning Module by letter dated June 21, 2018. ARRO is in the process of addressing each of the PADEP comments. The PennDOT Highway Occupancy Permit for the project has been received. ARRO submitted an August 6, 2018 letter to PADEP addressing each PADEP comment from its Sewage Facilities Planning Module review letter, dated June 21, 2018. PADEP transmitted a September 5, 2018 letter with additional comments to

Sewage Facilities Planning Module. ARRO submitted a response letter addressing each concern on October 17, 2018. PADEP transmitted a November 14, 2018 letter with additional comments to the Sewage Facilities Planning Module. ARRO is reviewing the letter and will address each comment in a future letter. The Authority Administrator sent a December 20, 2018 letter to PADEP containing responses to PADEP's November 14, 2018 comments to the Sewage Facilities Planning Module. ARRO sent an email to PADEP on January 31, 2019 requesting approval of the Byers Road Sanitary Sewer Extension Sewage Facilities Planning Module. As of March 20, 2019, no response has been forthcoming from PADEP. ARRO is proceeding with preparation of finishing plans and specifications for the bidding of the project. Regarding the Byers Road Sanitary Sewer Extension SFPM and the December 20, 2018 letter sent by the Authority to PADEP, PADEP responded with an April 5, 2019 letter to the Township. PADEP said the December letter did not sufficiently address all of PADEP's concerns with sewage disposal needs identification in the project area. PADEP wants the needs identification submitted by September 3, 2019. ARRO prepared letters that were delivered to property owners in the Byers Road sewer area inviting them to the April 23, 2019 Authority meeting to be held at the Pickering Valley Elementary School. ARRO submitted documents to PennDOT to extend the Byers Road HOP to July 10, 2020 and was granted the extension by PennDOT. At the request of PADEP, on September 26, 2019 ARRO submitted to PADEP a study and \$522,000 cost opinion for potentially providing sewer service to an additional sixteen (16) lots east of the proposed Byers Road Sanitary Sewer Extension terminal manhole. PADEP responded that they will review the study information. ARRO has started preparing a sanitary sewer grant application under the Pennsylvania Department of Community & Economic Development (DCED) H2O PA grant program for the Byers Road Sanitary Sewer Extension project. By letter dated November 7, 2019 PADEP issued Byers Road Sanitary Sewer Extension SFPM approval. ARRO is continuing to prepare and will submit a sanitary sewer grant application under the DCED H2O PA grant program for the Byers Road Sanitary Sewer Extension project. The Byers Road grant application was submitted on December 12, 2019. Action on the application is not expected until May or June 2020. ARRO received a June 12, 2020 email from DCED that the grant application will not be reviewed until September 2020; however, they wanted a timeline for the project after September, which ARRO prepared and submitted. ARRO prepared a PennDOT HOP permit extension for the project. Under Authority letterhead ARRO prepared a July 2020 communication to property owners to be connected to the proposed sanitary sewer extension notifying them of the tentative project schedule. DCED awarded a \$463,000 grant for the Byers Road Sanitary Sewer Extension project. On July 28, 2020 the Township mailed letters to property owners to be connected to the proposed sanitary sewer extension notifying them of the tentative project schedule. ARRO is in communication with DCED regarding proceeding to the bid phase of the project. The DCED grant agreement has been signed. ARRO contacted DCED and they have no issues with bidding the Route 100 sewer crossing as an alternate. Project bid advertising is tentatively set for December 2020 with a January 2021 bid opening. The Byers Road Sanitary Sewer Extension project was first advertised on December 14, 2020 with a second advertisement set for December 21, 2020. A pre-bid meeting is scheduled for January 5, 2021 and bids are due January 15, 2021.

Six bids for the Byers Road Sanitary Sewer Extension project were submitted on January 15, 2021. The apparent low bidder is Highway Materials, Inc. with a Total Extended bid of \$637,504.30, which includes the cost of the Alternate "A" - Sewer Extension Across Route 100. ARRO is in the process of reviewing the bids. As DCED grant funding is involved approvals are subject to DCED concurrent approval.

ARRO is studying the feasibility of a sewer extension across Route 100 near Byers Road to pick up commercial business on the west side of Route 100. ARRO is proceeding with the design of the sewer extension across Route 100 near Byers Road to pick up commercial business on the west side of Route 100. ARRO is continuing work on a plan to extend the proposed Byers Road sewer across Route 100 to the Eaglepointe shopping center entrance. The sewer extension across Route 100 is included as an alternate to the Byers Road Sanitary Sewer Extension project.

The amount bid for the Alternate "A" - Sewer Extension Across Route 100 as submitted by the Byers Road Sanitary Sewer Extension project apparent low bidder, Highway Materials, Inc., was \$89,474.00.

Milford Farms – ARRO had survey completed on Surrey Lane and Carriage Drive, and on portions of Font Road and Milford Road, as preliminary to the sanitary sewer design for residential homes along these roads. Survey indicated Milford Road gravity sewers would be untenable due to existing grades. ARRO completed a preliminary design for gravity sewer within Surrey Lane, Carriage Drive and the portion of Font Road between Surrey and Carriage. A small wastewater pump station will be needed. The pump station is proposed to be located at the intersection of Font Road and Milford Road and its force main would be connected to an existing force main located in Font Road serving three homes on the Milford Road dead-end. ARRO prepared presentation graphics of the proposed sewer for the Authority Administrator. ARRO prepared letters that were delivered to property owners in the Milford Farms sewer area inviting them to the April 23, 2019 Authority meeting to be held at the Pickering Valley Elementary School. ARRO is proceeding with the preparation of the sanitary sewer design drawings and specifications for project's submission to PADEP. ARRO is creating Milford Road and Byers Road sanitary sewer informational documents for the Township's website. ARRO is reviewing the planning module application and getting it ready for Authority and Township signatures before its submission to PADEP. ARRO submitted the planning module application to PADEP on May 10, 2020. Under Authority letterhead ARRO prepared a July 2020 communication to property owners to be connected to the proposed sanitary sewer extension notifying them of the tentative project schedule. On July 28, 2020 the Township mailed letters to property owners to be connected to the proposed sanitary sewer extension notifying them of the tentative project schedule. ARRO is working on completing the design drawings and specifications for the project. On September 18, 2020 planning module approval was received from PADEP.

ARRO is continuing to prepare the WQM Part 2 permit for the proposed pump station as well as the plans and specifications. ARRO intends to soon submit the WQM Part II permit application package to PADEP. A \$500 fee to the Commonwealth of Pennsylvania is required as part of the permit application.

Township Wastewater Treatment Plant's Monthly Average Flow Charts – Please see the attached.



Find UPI Information

PARID: 3201 001 701 00
UPI: 32-1-17.1
Owner1: WILLIAMS RICHARD T &
Owner2: BONNIE C
Mail Address 1: PO BOX 39
Mail Address 2: UWCHLAND PA
Mail Address 3:
ZIP Code: 19480
Deed Book: C65
Deed Page: 236
Deed Recorded Date: 2/1/1985
Legal Desc 1: WS OF GREENRIDGE RD
Legal Desc 2: 64.3 AC DWG GAR & POOL
LOT
Acres: 64.3
LUC: F-20
Lot Assessment: \$ 323,080
Property Assessment: \$ 455,240
Total Assessment: \$ 778,320
Assessment Date: 12/18/2020
Property Address: 100 GREENRIDGE RD
Municipality: UPPER UWCHLAN
School District: Downingtown Area

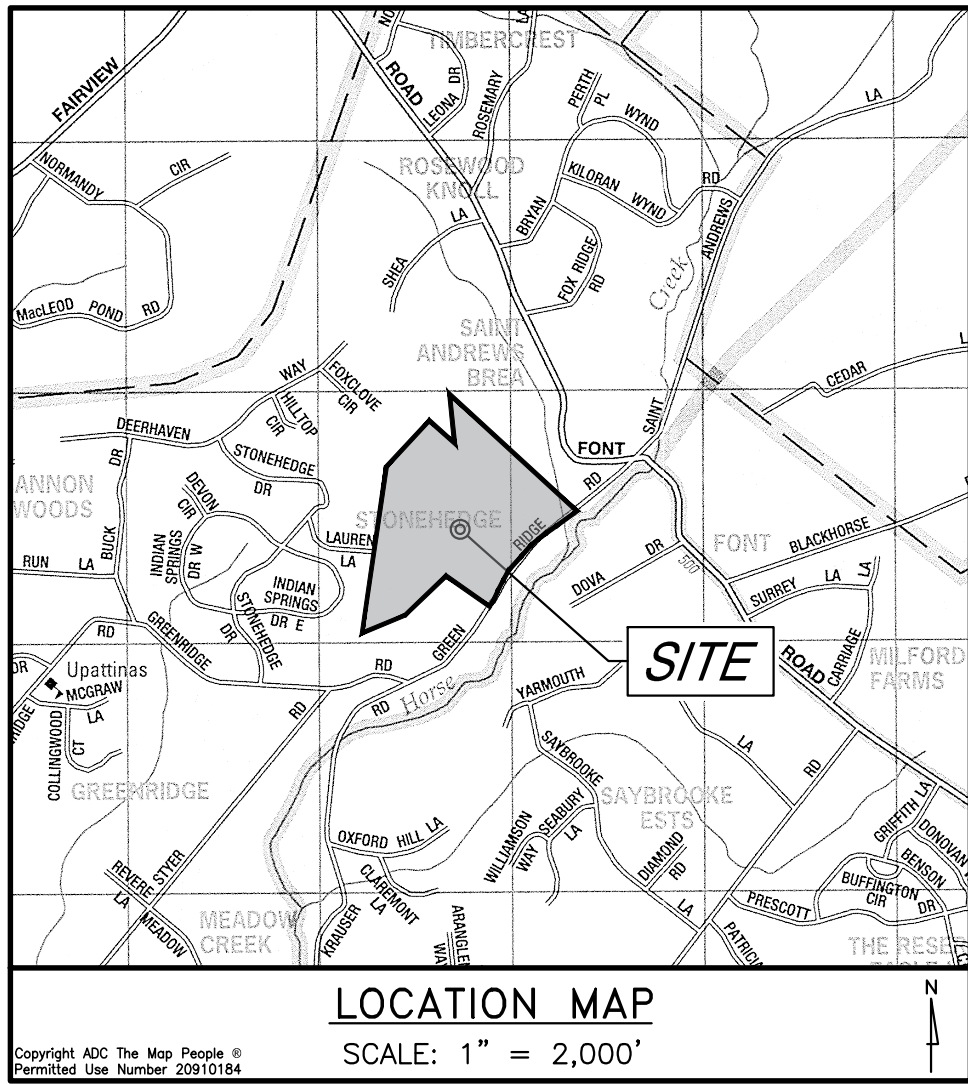
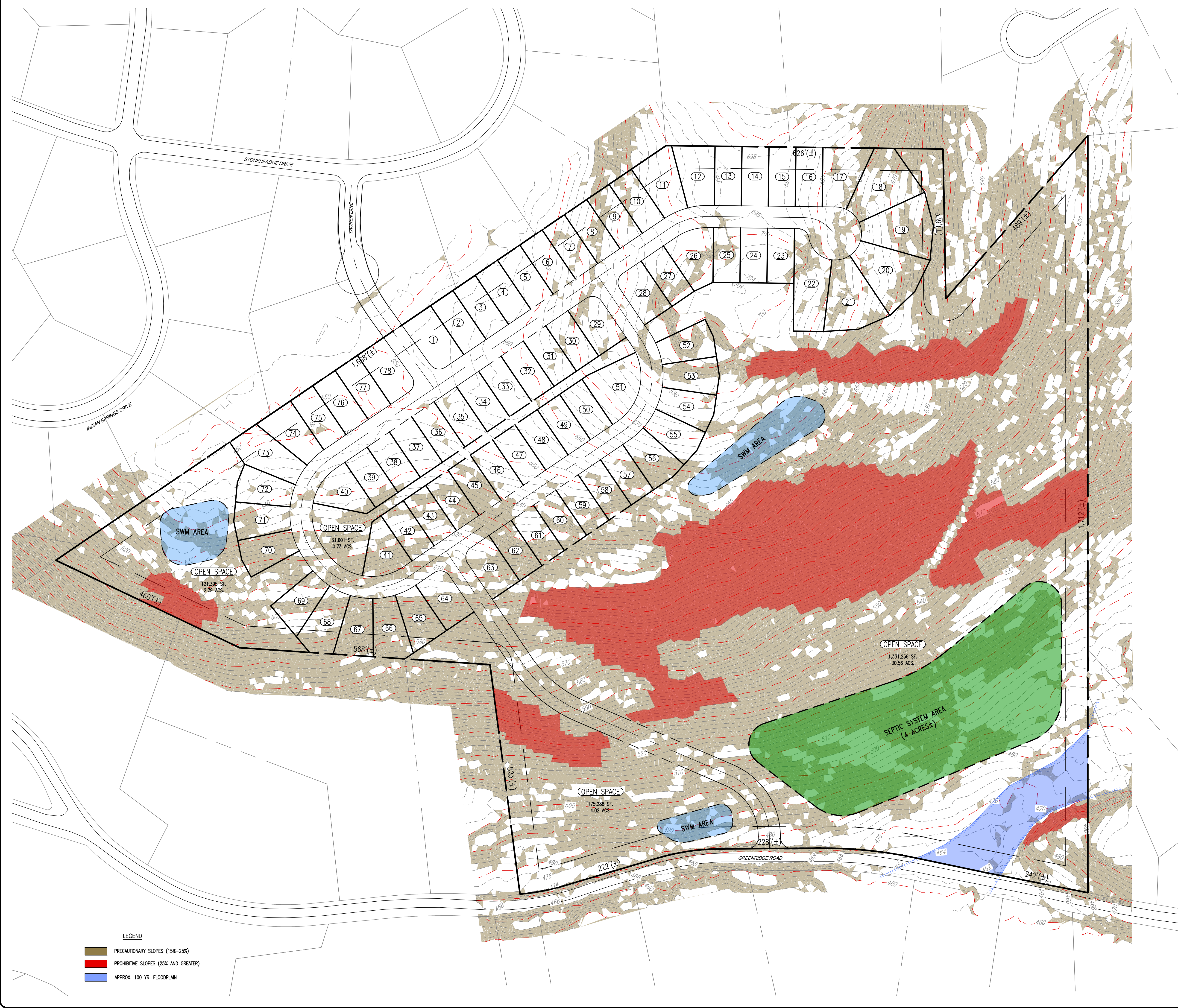
Map Created:
Thursday, January 21, 2021

County of Chester



Limitations of Liability and Use:
County of Chester, Pennsylvania makes no claims to the completeness, accuracy, or content of any data contained herein, and makes no representation of any kind, including, but not limited to, the warranties of merchantability or fitness for a particular use, nor are any such warranties to be implied or inferred with respect to the information or data furnished herein. For information on data sources visit the GIS Services page listed at www.chesco.org/gis.





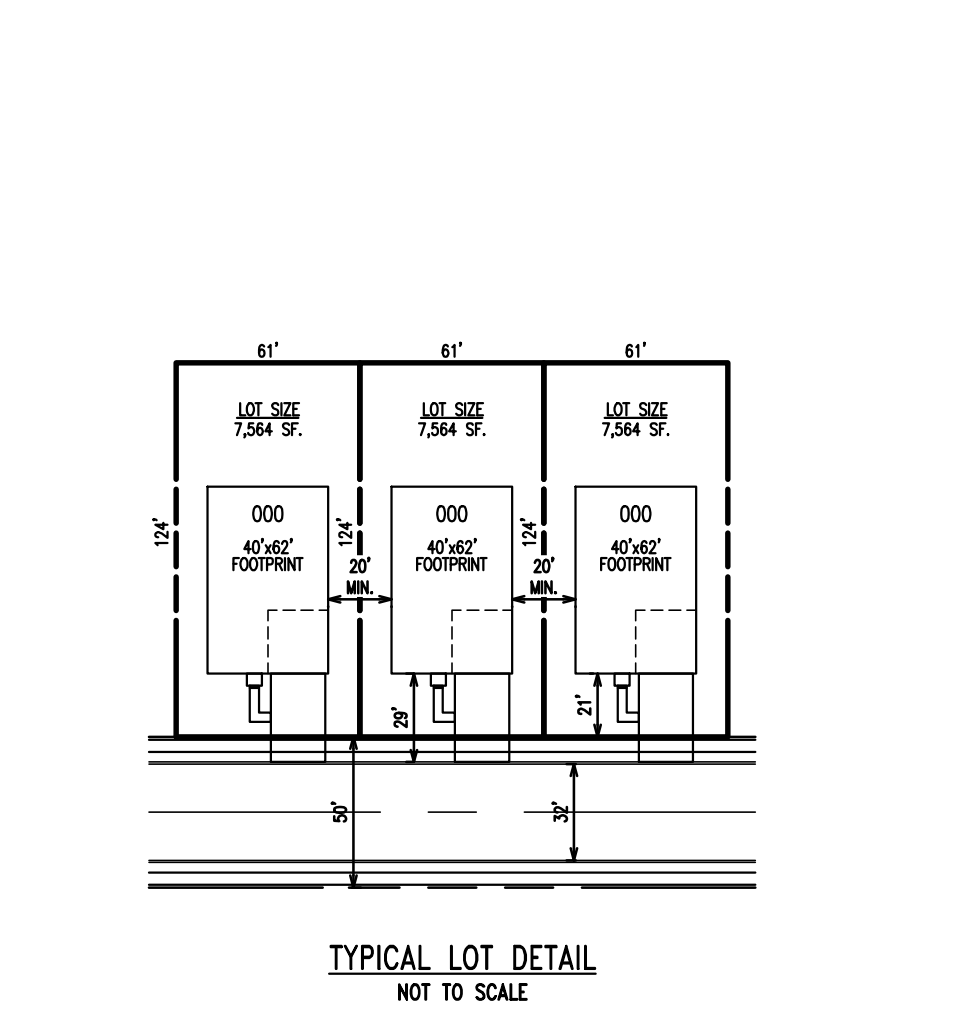
THIS PLAN PROPOSES THE DEVELOPMENT OF AN "ACTIVE ADULT COMMUNITY" UNDER THE F1, FLEXIBLE DEVELOPMENT OVERLAY DISTRICT.

- GENERAL NOTES:**
1. THIS PLAN WAS PREPARED FOR DISCUSSION PURPOSES ONLY AND IS NOT MEANT FOR SUBMISSION TO OR REVIEW BY ANY MUNICIPAL, STATE OR GOVERNMENTAL AGENCIES.
 2. TOTAL SITE AREA TO TITLE LINES = 58.94 ACRES(±), BASED ON TAX MAP BOUNDARIES.
 3. PROPERTY WILL BE SERVED BY PUBLIC WATER AND SEWER SERVICES.

ZONING DATA TABULATION
UPPER UWCHLAN TOWNSHIP
F1 - FLEXIBLE DEVELOPMENT OVERLAY DISTRICT
SECT: 200-72.0. PERMITTED USES:
(2)(b)(4). ACTIVE ADULT COMMUNITY

SECT: 200-72.0. AREA & BULK REGULATIONS

	REQUIRED	PROPOSED
MIN. RESTRICTED OPEN SPACE (PER G.T.A.)	40 %	40.5%(±)
MAX. DENSITY (PER N.T.A.)	2.2 D.U./ACRE	1.5 D.U./ACRE
MIN. BLDG SEPARATION		
-SIDE TO SIDE	20'	20'
-REAR TO ANY OTHER SIDE	50'	>50'
-FROM CURB OR EDGE OF PAVING	25'	>25'
-FROM TRACT BOUNDARIES	50'	>50'
MAX. BLDG HEIGHT	35'	<35'
MIN. LOT SIZE	7,000 SF.	7,564 SF.(MIN.)
MAX. IMPERVIOUS	55 %	N/A
-LOTS =<7,000 SF.	45 %	<45 %
-LOTS 7,000 TO 12,000 SF.		



ACTIVE ADULT COMMUNITY
SCALE: 1" = 100'

LEGEND

- PRECAUTIONARY SLOPES (15%-25%)
- PROHIBITIVE SLOPES (25% AND GREATER)
- APPROX. 100 YR. FLOODPLAIN

GRAPHIC SCALE
1 inch = 100 feet

DATE: 11/18/2020
SCALE: 1" = 100'
DRAWN BY: RBV
CHECKED BY: RBV
PROJECT NO.: 3982
CAD FILE: 3982 SK-1A 11-18-2020.dwg
PLOTTED: 11/18/2020
DRAWING NO.: SK-1A
SHEET: 1 OF 1

DLHowell
Civil Engineering
Land Planning
Environmental
www.DLHowell.com

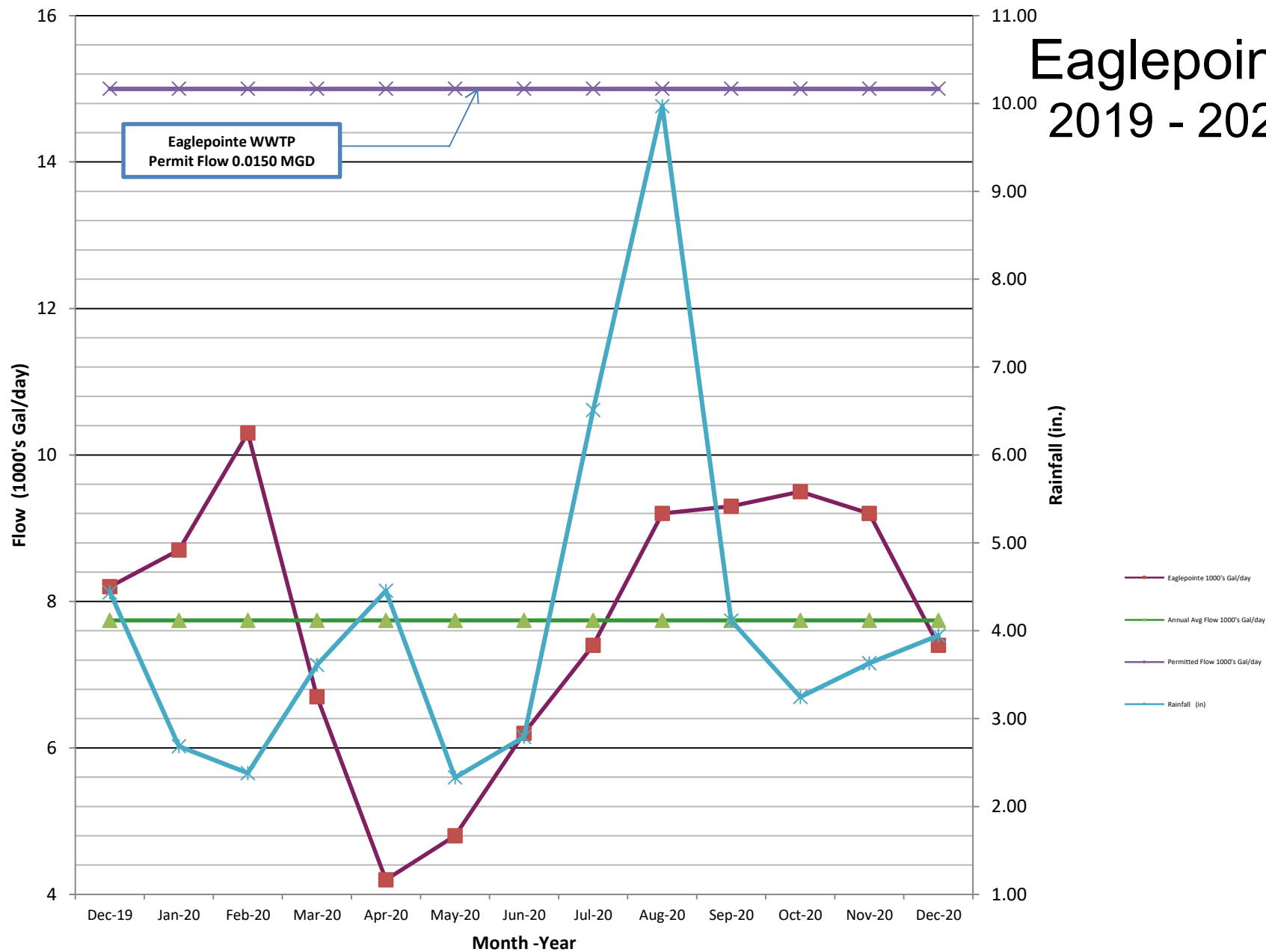
1250 Wrights Lane
West Chester, PA 19380
Phone: (610) 918-9002
Fax: (610) 918-9003

SKETCH
ACTIVE ADULT COMMUNITY
CLIENT: BRIAN NAGLE
PROJECT: 100 GREENRIDGE ROAD
LOCATION: 100 GREENRIDGE ROAD
UPPER UWCHLAN TWP., CHESTER CO., PA.

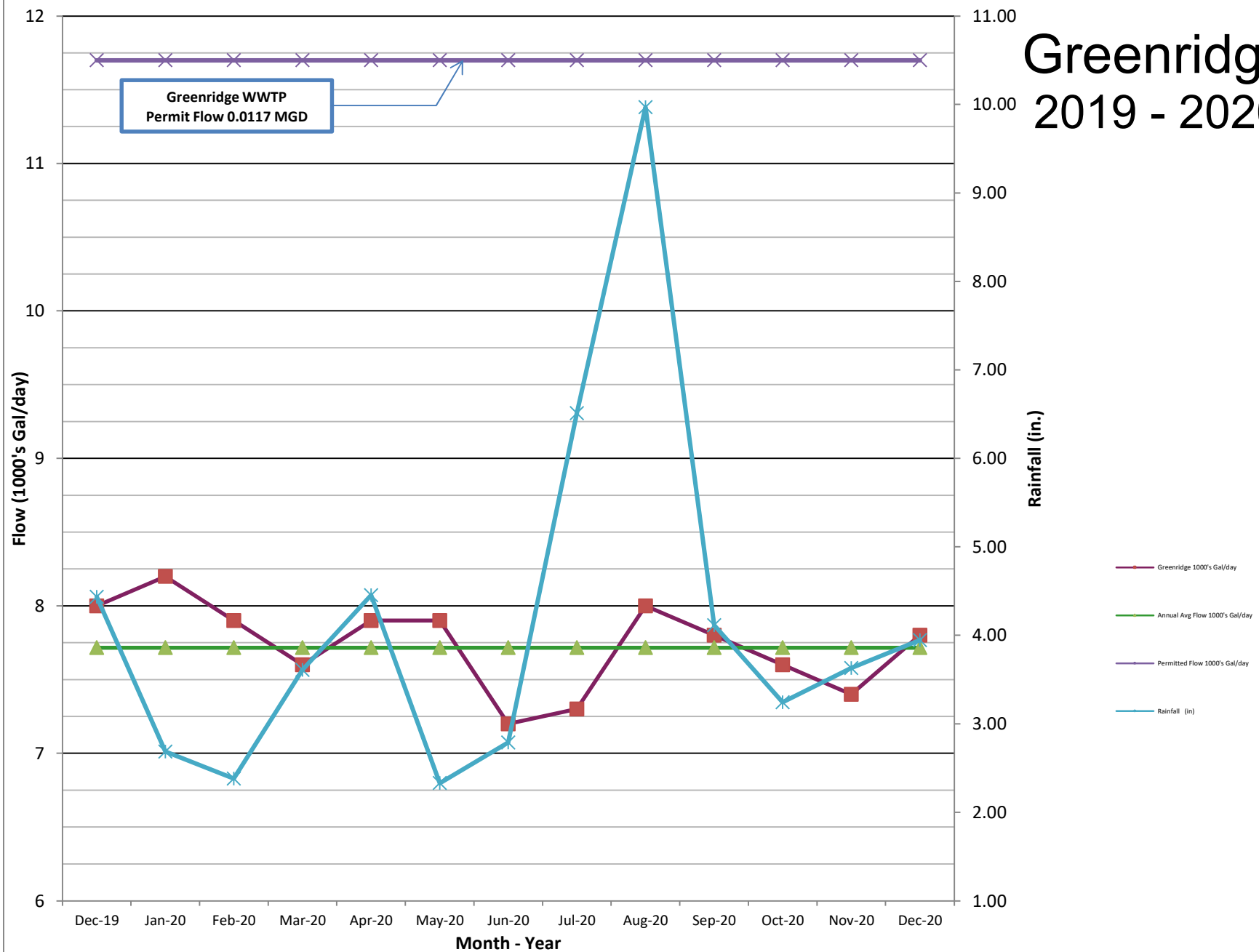
UPPER UWCHLAN MUNICIPAL AUTHORITY
WASTEWATER TREATMENT PLANTS
MONTHLY AVERAGE DAILY FLOWS

Month - Year		Average Daily Flow (MGD)							Rainfall (in)
		Eaglepointe	Greenridge	Lakeridge	Marsh Harbour	Route 100	Saybrooke	St. Andrews	
Dec-19		0.00820	0.00800	0.02600	0.04310	0.35160	0.00730	0.00240	4.44
Jan-20		0.00870	0.00820	0.02470	0.04180	0.35080	0.00700	0.00230	2.69
Feb-20		0.01030	0.00790	0.02360	0.04060	0.33560	0.00780	0.00250	2.38
Mar-20		0.00670	0.00760	0.02870	0.04370	0.37640	0.00700	0.00290	3.61
Apr-20		0.00420	0.00790	0.03000	0.04720	0.38900	0.00790	0.00270	4.46
May-20		0.00480	0.00790	0.02940	0.04540	0.38610	0.00740	0.00220	2.33
Jun-20		0.00620	0.00720	0.02550	0.04230	0.36630	0.00730	0.00140	2.79
Jul-20		0.00740	0.00730	0.02520	0.04070	0.37140	0.00730	0.00120	6.51
Aug-20		0.00920	0.00800	0.02790	0.03970	0.36050	0.00830	0.00130	9.97
Sep-20		0.00930	0.00780	0.02510	0.03830	0.35520	0.00800	0.00110	4.12
Oct-20		0.00950	0.00760	0.02770	0.04120	0.37900	0.00800	0.00190	3.25
Nov-20		0.00920	0.00740	0.02780	0.04230	0.38990	0.00800	0.00260	3.63
Dec-20		0.00740	0.00780	0.02930	0.04500	0.40180	0.00750	0.00250	3.95
Annual Avg Flow =		0.00774	0.00772	0.02708	0.04235	0.37183	0.00763	0.00205	
Permitted Flow =		0.01500	0.01170	0.04000	0.07600	0.60000	0.00920	0.00360	

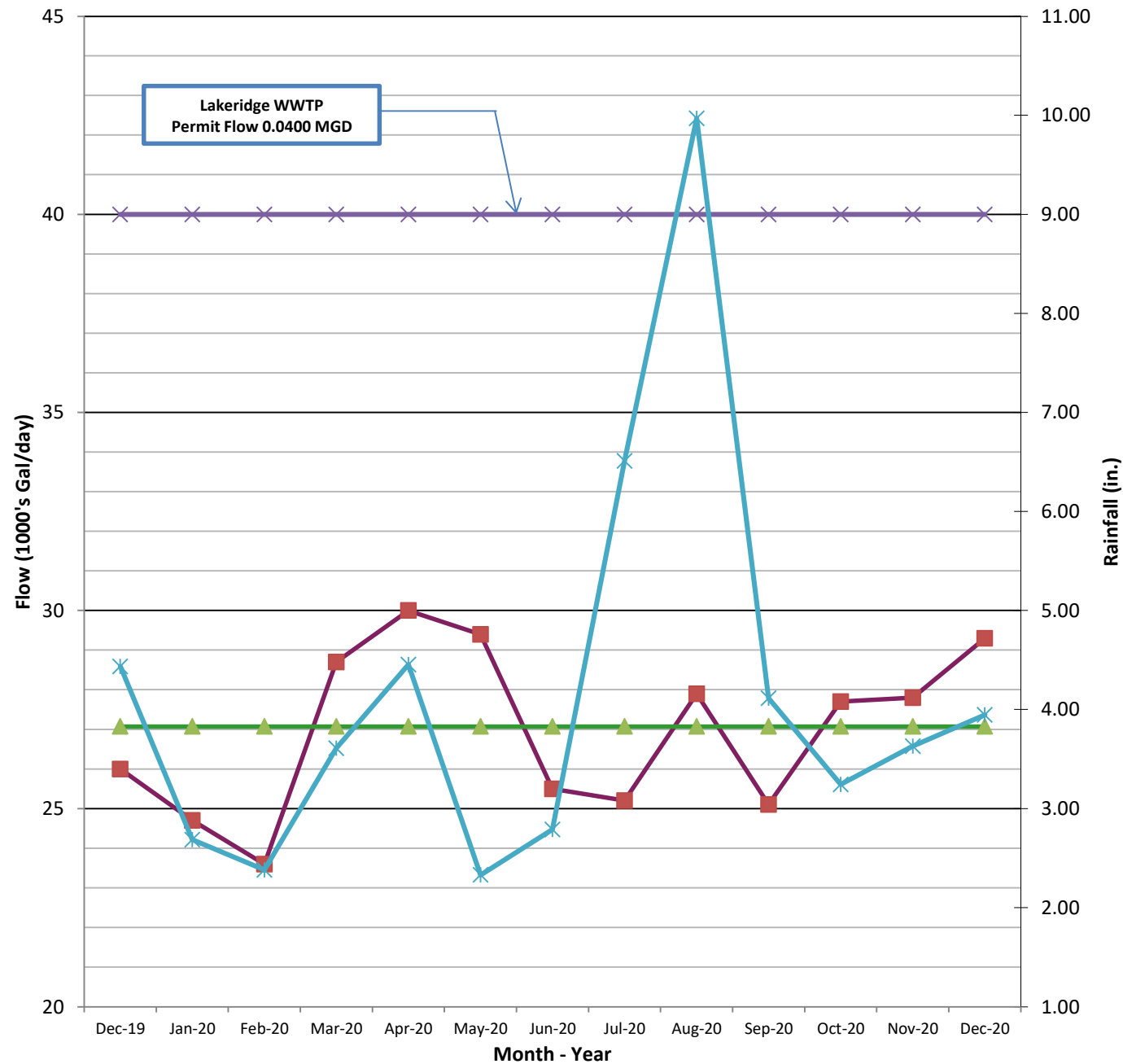
Eaglepointe 2019 - 2020



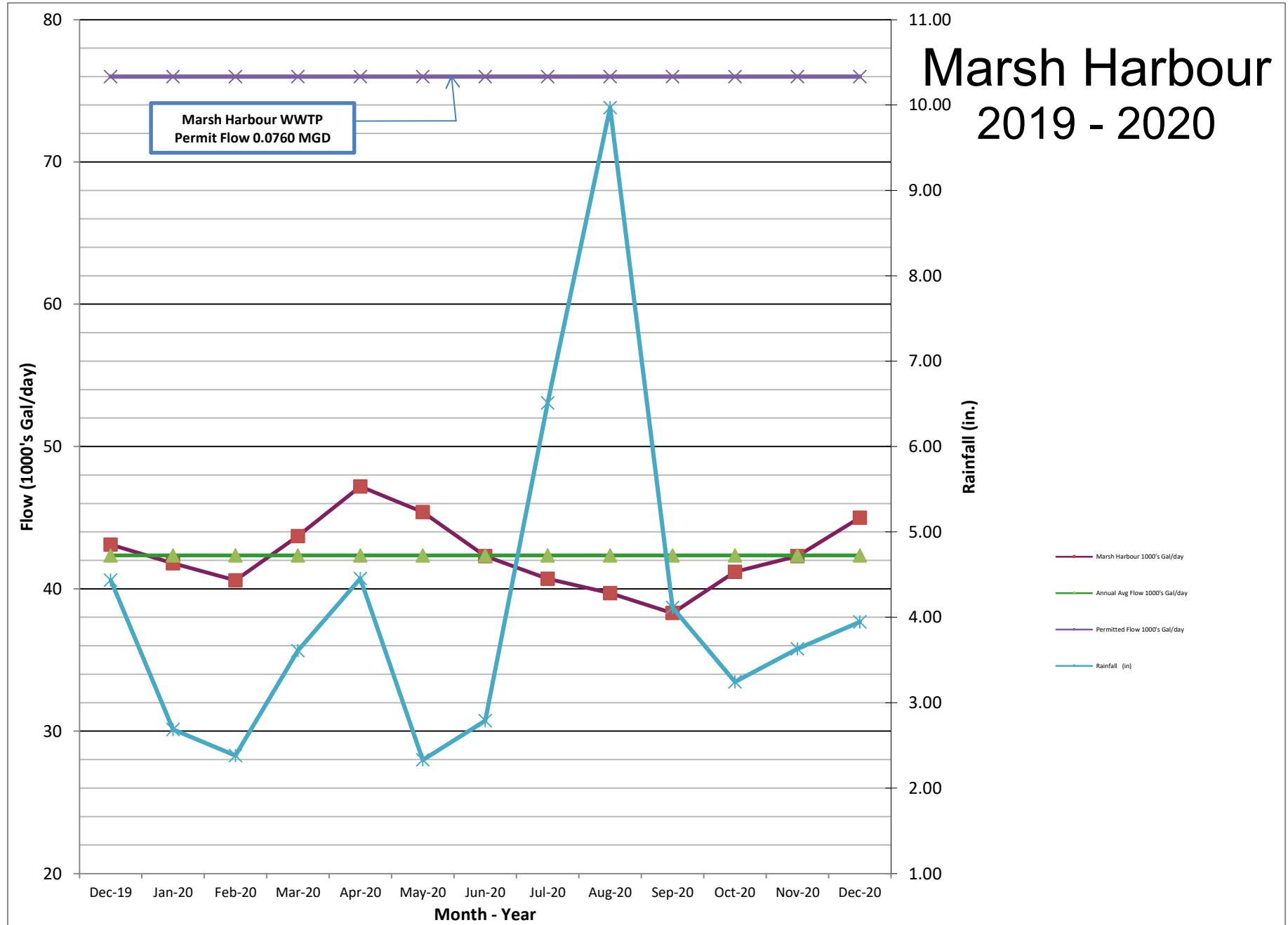
Greenridge 2019 - 2020



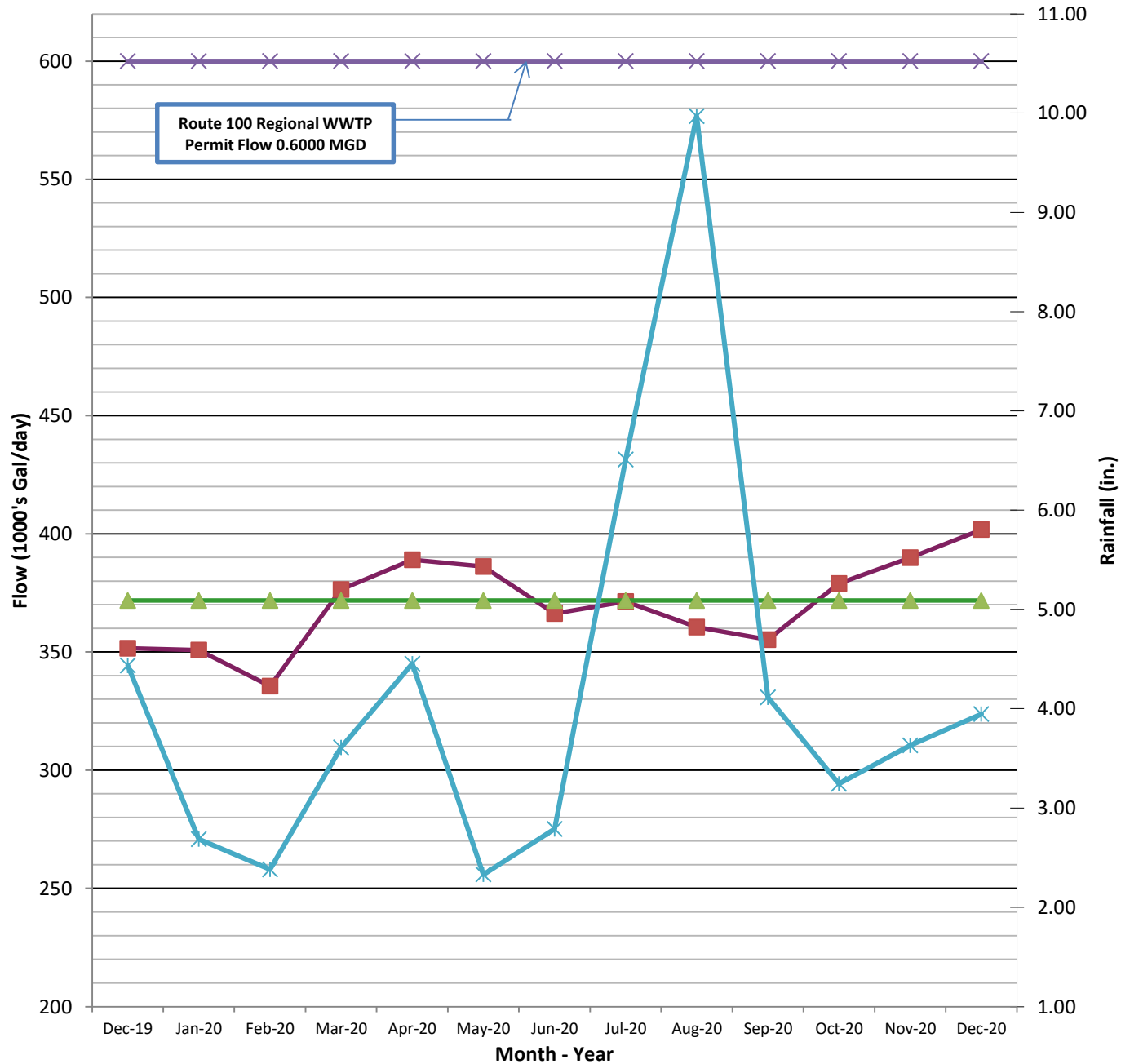
Lakeridge 2019 - 2020



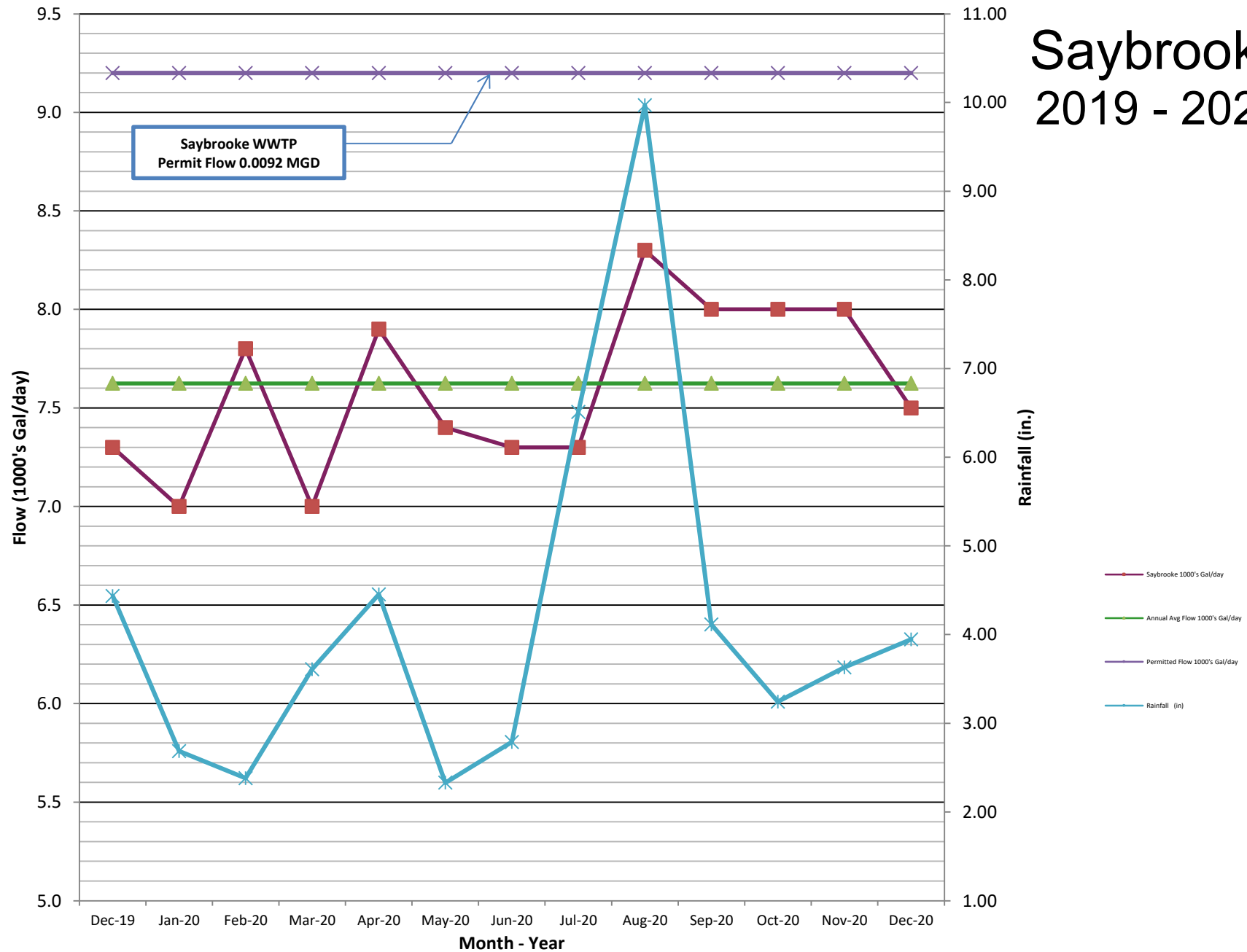
Marsh Harbour 2019 - 2020



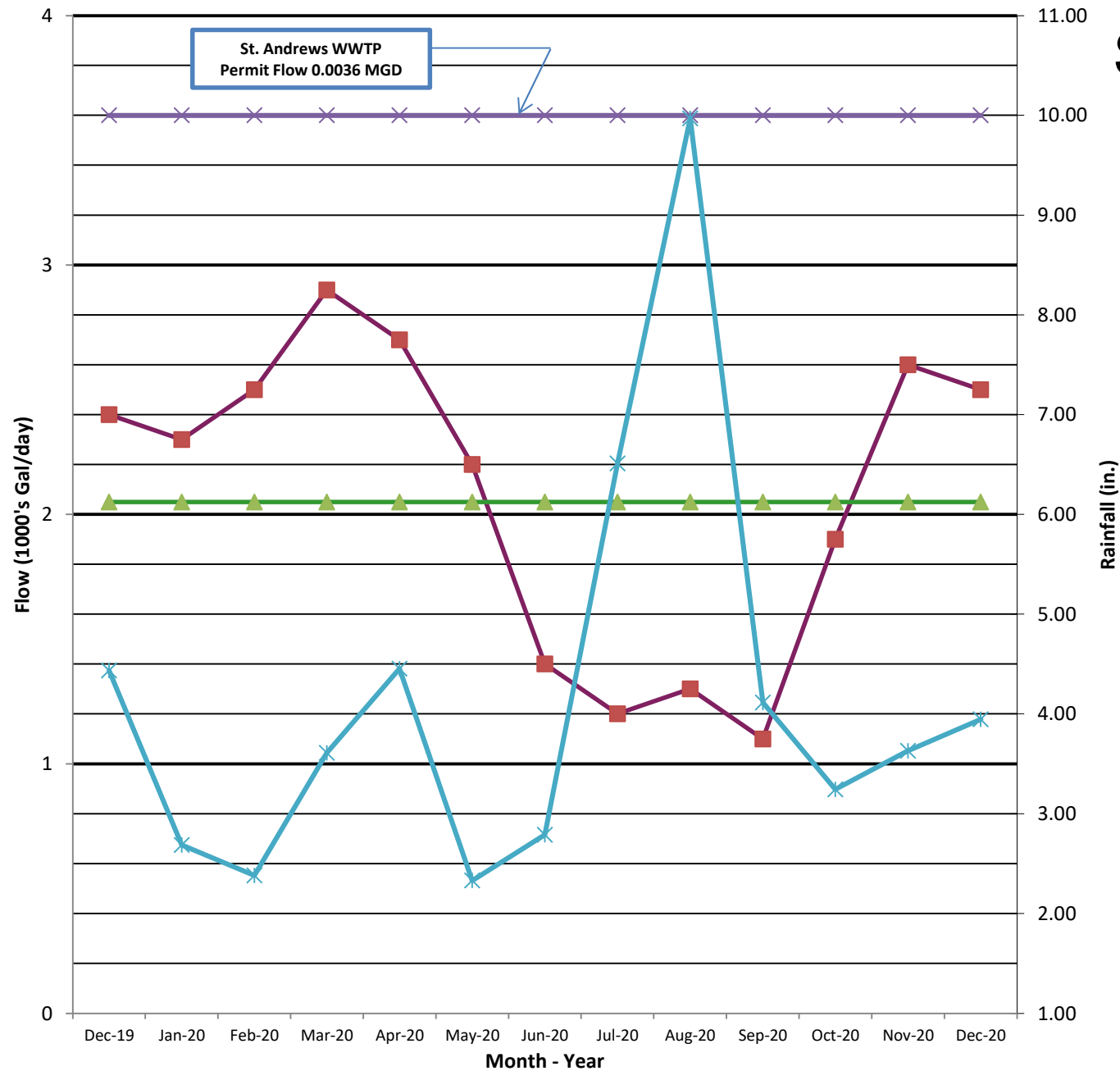
Route 100 2019 - 2020



Saybrooke 2019 - 2020



St. Andrews 2019 - 2020





To: Municipal Authority Members

From: G. Matthew Brown, P.E., DEE

Re: Authority Administrator's Report

Date: January 21, 2021

Activities for the month include:

- A. Communication with WWTF Operator and Township Staff regarding operational and maintenance issues. (32.0 hours)
- B. Preparation of administrative documents for the Authority meeting packet and for the Authority files. (4.0 hours)
- C. Communication with residents regarding septic system issues and possible connection to the sanitary sewer system. Inquiries included residents on Meadow Lane, Waterview Road, Stanford Drive, Park Road, Font Road and Stonehedge Drive. (3.0 hours)
- D. Communication and meeting with developer and developer's engineer over a proposed development for 100 Greenridge Road including review of preliminary plan, capacity discussion financial obligation of the developer and discussion on method of connection. (4.0 hours)
- E. Communication with engineer for TC Energy relative to a transfer station to be constructed on Fellowship Road and communication with the Authority Solicitor regarding the need for an update to the Intermunicipal Agreement with West Vincent Township. (3.0 hours)
- F. Communication with McKee engineer and ARRO regarding Phase III design of the Route 100 WWTF, collection system and disposal system and modifications to the Part II construction Permit application. (4.0 hours)
- G. Communication with Sunoco's contractor and ARRO regarding the Sunoco pipeline through Meadow Creek including lateral casing procurement, review of design information for the Greenridge WWTF upgrade and Meadow Creek Lane sewer line location. (8.0 hours)

- H. Modification, communication and distribution of 2021 Operating and Capital Budgets adopted at the December meeting. (2.0 hours)
- I. Communication with ARRO regarding the Byers Road extension and development connection including bidding requirements and permit extension. (1.0 hours)
- J. Communication and review of the Uplands Farm sanitary sewerage connection as part of the Township upgrade project including communication with ARRO and attendance at a virtual kickoff meeting. (1.0 Hours)
- K. Communication with WWTF Operator and ARRO regarding upgrades to Route 100 SCADA system as part of the Phase III expansion of the WWTF. (2.0 hours)

Please advise if you have any questions or would like further details.

G. Matthew Brown, P.E., DEE
Upper Uwchlan Township Municipal Authority
Authority Administrator
140 Pottstown Pike
Chester Springs, PA 19425

ARCADIS U.S., Inc.
6041 Wallace Road Extension
Suite 300
Wexford
Pennsylvania 15090
Tel 724 742 9180
Fax 724 742 9189
www.arcadis.com

Subject:

TC Energy Eagle Compressor Station Utility Service Request and Inner-Township Agreement Amendment Request

Mr. Brown:

TC Energy Corporation (TC Energy) is proposing to rehabilitate the existing Eagle Compressor Station located in Chester Springs, PA as a part of TC Energy's ongoing modernization program. The work done under this program has led to improvements in reliability of service, integrity of assets and efficiency of operations—all while reducing emissions.

The current modernization program includes the renovation of the Eagle Compressor Station. The Eagle Compressor Station facility has been in operation since the 1950's, serving Pennsylvania with natural gas for delivery points ranging from power generation to residential homes for heating.

The Eagle Compressor Station currently operates three (3) 36KVSR (1,300 hp) and one (1) TLAD-10 (4,000 hp) reciprocating compressor units. The station also consists of an existing auxiliary building, existing telecommunications building, existing warehouse and numerous pieces of equipment that support the operation of the station. The project will include the demolition and replacement of the existing station facilities. The updated station will include two (2) new Solar Centaur 50 compressor packages inside a new compressor building, a new office warehouse building, a new auxiliary building, and numerous pieces of equipment to provide a safe and reliable operating compressor station.

Date:

December 15, 2020

Contact:

Daniel Ley

Phone:

412.225.1981

Email:

Daniel.Ley@arcadis.com

Our ref:

30056559

Currently there are no potable or wastewater utilities servicing the site. With the proposed new office and warehouse buildings requiring water and wastewater service TC Energy would like to connect to the existing forcemain located along Fellowship Road.

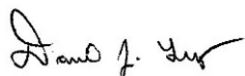
Due to proposed future site use and existing utility conflicts onsite disposal of treated wastewater is not desirable. TC Energy is requested to purchase permanent transportation and disposal capacity for 1 Equivalent Dwelling Unit.

As the project location is in West Vincent Township and the forcemain is owned and operated by the Upper Uwchlan Township Municipal Authority TC Energy would also like to request for the Upper Uwchlan Township Municipal Authority to amend the inter-township agreement for the utility improvements at the TC Energy Eagle Compressor Station.

If you have any questions or require any additional information regarding the TC Energy Eagle Compressor Station Project please do not hesitate to contact me (daniel.ley@arcadis.com) at 412.225.1981.

Respectfully,

Arcadis U.S., Inc.



Daniel J. Ley
Senior Environmental Scientist

cc:

Bronson McNemar, TC Energy (electronic)
Brian Tucker PE, TC Energy (electronic)
Mark Adkins PE, BiCon Engineering (electronic)
Dan Schafer, BiCon Engineering (electronic)



Upper Uwchlan Township

RECEIVED
JAN 11 2021
ARRO Consulting, Inc.

January 8, 2021

G. Matthew Brown, P.E., DEE
Chairman and Chief Executive Officer
ARRO Consulting
108 West Airport Road
Lititz, PA 17543

Re: ARRO Reappointment

Dear Matt,

The Board of Supervisors, at their January 4, 2021 meeting, reappointed ARRO as the Township's Wastewater Engineer for calendar year 2021. The Township accepts ARRO's Professional Services 2021 Rate Schedule that was included with your November 30, 2020 letter of interest.

Please advise any inaccuracies of the following contact information:

Mailing address:	as above
Office Phone:	717-569-7021
Office Fax:	717-560-0577
Cell:	717-951-9950
Email:	Matt.Brown@arroconsulting.com

We look forward to working with ARRO throughout 2021.

Sincerely,

Gwen A. Jonik
Township Secretary