

**AGENDA**  
**OPERATIONS COMMITTEE**  
**June 2, 2017**  
**SEAFORD CITY HALL - 414 HIGH STREET**

**3:00 p.m.** - Councilman William Mulvaney calls the meeting to order

**NEW BUSINESS:**

1. Presentation related to a potential Western Sussex Sewer District to the City of Seaford's Wastewater Infrastructure.

**OLD BUSINESS:**

- 1.

Councilman William Mulvaney sets the next meeting date.

Councilman William Mulvaney closes the Operations Committee meeting.

**NOTE:** Agenda shall be subject to change to include or delete Additional items (including executive session) which arise at the time of the meeting. (29 Del. C. S1004 (e) (3))

Posted  
Website  
TNT 5/22/17 @ 3:57 p.m.

Seaford WWTF - **Interim** Load Allocations

WWTF Design  
Performance @ 2.0 MGD

<u>Parameter</u>	<u>Concentration (mg/l)</u>
Influent TN	40
Effluent TN	8
Influent TP	6
Effluent TP	2

<u>Service Area</u>	<u>Current Flows (MGD)</u>
Seaford/Blades	1.07
Bridgeville/Greewood	0.25
	1.32

<u>Load Allocations</u>				<u>Load Based WWTP Treatment Capacity (MGD)</u>					
<u>Facility</u>	<u>Parameter</u>	<u>Load (lbs/yr)</u>	<u>Flow @ Design Conc. (MGD)</u>	<u>Option 1</u>	<u>Option 2</u>	<u>Option 3</u>	<u>Option 4</u>	<u>Option 5</u>	<u>Option 6</u>
Seaford <b>Interim</b>	TN	34,253	1.41	1.41	1.41	1.41	1.41	1.41	1.41
Bridgeville <b>WIP</b>	TN	9,764	0.40	0.40	0.40	0.40	0.40		
Invista Trade	TN	27,431	1.13	1.13	1.13				
Septage/Leachate (140 lb/d) Raw	TN	N/A	-0.42		-0.42		-0.42	-0.42	
				2.93	2.51	1.81	1.39	0.99	1.41
<u>Facility</u>	<u>Parameter</u>	<u>Load (lbs/yr)</u>	<u>Flow @ Design Conc. (MGD)</u>	<u>Option 1</u>	<u>Option 2</u>	<u>Option 3</u>	<u>Option 4</u>	<u>Option 5</u>	<u>Option 6</u>
Seaford <b>Interim</b>	TP	8,619	1.42	1.42	1.42	1.42	1.42	1.42	1.42
Bridgeville <b>WIP</b>	TP	2,436	0.40	0.40	0.40	0.40	0.40		
Invista Trade	TP	-1,460	-0.24	-0.24	-0.24				
Septage/Leachate (7 lb/d) Raw	TP	N/A	-0.14		-0.14		-0.14	-0.14	
				1.58	1.44	1.82	1.68	1.28	1.42

Note-TP load limit is non-controlling since it is adjustable with chemical addition

<u>WWTF Limitations Summary - Interim</u>	<u>Flow Based Limit (MGD)</u>	<u>Load Based Limit (MGD)</u>	<u>Growth Limitation (2017-2025)</u>
Option 1 - Allocation for Seaford + Bridgeville (w/Invista Trade, no Leachate)	2.00		5.6% per year
Option 2 - Allocation for Seaford + Bridgeville (w/Invista Trade, w/Leachate)	1.58		2.3% per year
Option 3 - Allocation for Seaford + Bridgeville (no Leachate)		1.81	4.4% per year
Option 4 - Allocation for Seaford + Bridgeville (w/Leachate))		1.39	0.6% per year
Option 5 - Allocation for Seaford only (w/Leachate)		0.99	0
Option 6 - Allocation for Seaford only (no Leachate)		1.41	3.9% per year

Seaford WWTF-**Final** Load Allocations

WWTF Design  
Performance @ 3.0 MGD

<u>Parameter</u>	<u>Concentration (mg/l)</u>
Influent TN	40
Effluent TN	3
Influent TP	6
Effluent TP	0.3

<u>Service Area</u>	<u>Current Flows (MGD)</u>
Seaford/Blades	1.07
Bridgeville/Greewood	0.25
	1.32

<u>Facility</u>	<u>Parameter</u>	<u>Load Allocations</u>		<u>Load Based WWTP Treatment Capacity (MGD)</u>					
		<u>Load (lbs/yr)</u>	<u>Flow @ Design Conc. (MGD)</u>	<u>Option 1</u>	<u>Option 2</u>	<u>Option 3</u>	<u>Option 4</u>	<u>Option 5</u>	<u>Option 6</u>
Seaford <b>Final</b>	TN	24,364	2.67	2.67	2.67	2.67	2.67	2.67	2.67
Bridgeville <b>WIP</b>	TN	9,764	1.07	1.07	1.07	1.07	1.07		
Invista Trade	TN	27,431	3.00	3.00	3.00				
Septage/Leachate (140 lb/d) Raw	TN	N/A	-0.42		-0.42		-0.42	-0.42	
				6.74	6.32	3.74	3.32	2.25	2.67

<u>Facility</u>	<u>Parameter</u>	<u>Load Allocations</u>		<u>Load Based WWTP Treatment Capacity (MGD)</u>					
		<u>Load (lbs/yr)</u>	<u>Flow @ Design Conc. (MGD)</u>	<u>Option 1</u>	<u>Option 2</u>	<u>Option 3</u>	<u>Option 4</u>	<u>Option 5</u>	<u>Option 6</u>
Seaford <b>Final</b>	TP	6,091	6.67	6.67	6.67	6.67	6.67	6.67	6.67
Bridgeville <b>WIP</b>	TP	2,436	2.67	2.67	2.67	2.67	2.67		
Invista Trade	TP	-1,460	-1.60	-1.60	-1.60				
Septage/Leachate (7 lb/d) Raw	TP	N/A	-0.14		-0.14		-0.14	-0.14	
				7.74	7.60	9.34	9.20	6.53	6.67

<u>WWTF Limitations Summary - Final</u>	<u>Flow Based Limit (MGD)</u>	<u>Load Based Limit (MGD)</u>	<u>Growth Limitation (2017-2045)</u>
Option 1 - Allocation for Seaford + Bridgeville (w/Invista Trade, no Leachate)	3.00		3.1%
Option 2 - Allocation for Seaford + Bridgeville (w/Invista Trade, w/Leachate)	3.00		3.0%
Option 3 - Allocation for Seaford + Bridgeville (no Leachate)	3.00		3.1%
Option 4 - Allocation for Seaford + Bridgeville (w/ Leachate)	3.00		3.0%
Option 5 - Allocation for Seaford only (w/Leachate)		2.25	2.7%
Option 6 - Allocation for Seaford only (no Leachate)		2.67	3.4%

Note-Options 5 and 6 will require alternate disposal method, i.e. off-site land disposal, to reach a capacity of 3.0 mgd without Bridgeville load transfer and/or Invista trade

Bridgeville/Greenwood Regional Sewer Evaluation  
 City of Seaford/ Sussex County Engineering/ Town of Bridgeville/ Town of Greenwood  
 Preliminary Cost Estimate

Item No.	Description	Size or Depth	Unit	Quantity	Unit Price	Total Price (\$)	Seaford Cost Share		Bridgeville/Greenwood Consortium Cost Share		Remarks	
							Percentage (%)	Total (\$)	Percentage (%)	Total (\$)		
<b>SCHEDULE A: LIFT STATION 16</b>							Percentage (%)	Total (\$)	Percentage (%)	Total (\$)		
A1	Mobilization	-	LS	1		\$ 209,179						
A2	Lift Station, Complete in Place	-	LS	1	750,000	\$ 750,000					Incl. Wet Well, Duplex Pumps w/ VFDs, Generator, Site Work	
A3	Flow Equalization Tank	-	LS	1	150,000	\$ 150,000						
A4	Influent Valve and Flow Meter	-	EA	1	20,000	\$ 20,000						
A5	C900 PVC Forcemain (Open Cut)	10"	LF	12,187	76	\$ 926,212					In median and shoulders	
A6	Highway Crossings (jack and bore)	10"/20"	LF	235	1,200	\$ 282,000					Rt 13, Bridgeville Hwy, Herring Run Rd	
A7	Stream Crossing (directional drill)	10"	LF	170	200	\$ 34,000					Clear Brook	
A8	Air Release Valve	2"	EA	6	12,000	\$ 72,000						
A9	Misc. Restoration	-	LS	1	40,000	\$ 40,000						
A10	Erosion and Sediment Control Measures	-	LS	1	50,000	\$ 50,000						
A11	Contingency	-	%	20		\$ 464,842						
<b>SUBTOTAL SCHEDULE A: LIFT STATION 16</b>												
A16	Engineering - Design and Construction Phase Services	-	%	15		\$ 449,735						
<b>TOTAL SCHEDULE A: LIFT STATION 16</b>												
							20.0%	\$ 689,594	80.0%	\$ 2,758,375	Cost share percentage is EDU- proportional (Seaford-600/3045 EDU)	
<b>SCHEDULE B: NORTH ROSS LS</b>							Percentage (%)	Total (\$)	Percentage (%)	Total (\$)		
B1	Mobilization	-	LS	1		\$ 71,847		\$ 4,896	\$ 66,951	7.5% of each respective groups cost		
B2	Addition of Flow Equalization Tank	-	LS	1	200,000	\$ 200,000	17%	\$ 34,000.00	83%	\$ 166,000		
B3	Replacement Pumps w/ VFDs	-	EA	2	60,000	\$ 120,000	17%	\$ 20,400.00	83%	\$ 99,600	Upsized for future condition	
B4	C900 PVC Forcemain (Open cut)	8"	LF	5,090	70	\$ 356,300			100%	\$ 356,300	Outside of pavement	
A6	Stream Crossing (directional drill)	8"	LF	200	180	\$ 36,000			100%	\$ 36,000	Herring Run	
B5	Air Release Valve	2"	EA	3	12,000	\$ 36,000			100%	\$ 36,000		
B6	Clearing & Grubbing	-	LS	1	15,000	\$ 15,000			100%	\$ 15,000		
B7	Pavement Restoration	-	LS	1	5,000	\$ 5,000			100%	\$ 5,000	Xings at Venture Drive & Public Works	
B8	Erosion and Sediment Control Measures	-	LS	1	30,000	\$ 30,000			100%	\$ 30,000		
B9	Contingency	-	%	20		\$ 159,660		\$ 10,880	\$ 148,780	20% of each respective groups cost		
<b>SUBTOTAL SCHEDULE B: NORTH ROSS LS</b>												
B11	Engineering - Design and Construction Phase Services	-	%	15		\$ 154,471		\$ 10,526	\$ 143,945	15% of each respective groups cost		
<b>TOTAL SCHEDULE B: NORTH ROSS LS</b>												
								\$ 80,702		\$ 1,103,576	Cost share percentage is EDU- proportional	
<b>SCHEDULE C: SEAFORD GRAVITY SEWER UPSIZING</b>							Seaford Cost Share		Bridgeville/Greenwood Consortium Cost Share			
Item No.	Description	Size or Depth	Unit	Quantity	Unit Price	Total Price	Percentage (%)	Total (\$)	Percentage (%)	Total (\$)		
C1	Mobilization	-	LS	1		\$ 75,060						
C2	Replacement Gravity Sewer PVC (in pavement)	15"	LF	2,600	210	\$ 546,000						
C3	Furnish and Install Manholes	4'	VF	90	800	\$ 72,000						
C4	Furnish and Install Manhole Frame and Cover	-	EA	10	900	\$ 9,000						
C5	Wye Branches	-	EA	10	200	\$ 2,000						
C6	Sewer Lateral Replacements	-	LF	300	50	\$ 15,000						
C7	Full Width Mill & Overlay	1.5"	SY	10,000	15	\$ 150,000						
C8	Removal and Disposal	-	LS	1	25,000	\$ 25,000						
C9	Erosion & Sediment Control Measures	-	LS	1	15,000	\$ 15,000						
C10	Contingency	-	%	20		\$ 166,800						
<b>SUBTOTAL SCHEDULE C: SEAFORD GRAVITY SEWER UPGRADES</b>												
C14	Engineering - Design and Construction Phase Services	-	%	15		\$ 161,379						
<b>TOTAL SCHEDULE C: SEAFORD GRAVITY SEWER UPGRADES</b>												
							10%	\$ 123,724	90%	\$ 1,113,515	Seaford assigned "betterment" cost share of 10%	



Bridgeville/Greenwood Regional Sewer Evaluation  
 City of Seaford/ Sussex County Engineering/ Town of Bridgeville/ Town of Greenwood  
 Preliminary Cost Estimate

							Seaford Cost Share		Bridgeville/Greenwood Consortium Cost Share		Remarks				
SCHEDULE D: SEAFORD INTERCEPTOR SEWER REPLACEMENT/UPSIZING							Percentage (%)	Total (\$)	Percentage (%)	Total (\$)					
D1	Mobilization	-	LS	1		\$ 135,884									
D2	Replacement Gravity Sewer DI (open cut)	24"	LF	2,233	325.00	\$ 725,725									Follow existing alignment along shoreline
D3	Replacement Gravity Sewer (jack and bore)	24"/36"	LF	360	1,500.00	\$ 540,000									Realignment Pearl St to Arcadia St
D4	Railroad Crossing (jack and bore)	24"/36"	LF	30	1,500.00	\$ 45,000									
D5	Furnish and Install Manholes	-	VF	136	800.00	\$ 108,800									
D6	Furnish Manhole Frame and Cover	-	EA	17	900.00	\$ 15,300									
D7	Erosion and Sediment Control Measures	-	LS	1	50,000.00	\$ 50,000									
D8	Miscellaneous Restoration/Stabilization	-	LS	1	25,000.00	\$ 25,000									
D9	Contingency	-	%	20		\$ 301,965									
<b>SUBTOTAL SCHEDULE D: SEAFORD INTERCEPTOR SEWER REPLACEMENT</b>															
D10	Engineering - Design and Construction Phase Services	-	%	15		\$ 292,151									
D11	I/I Study w/ Flow Monitoring and Smoke Testing	-	LS	1		\$ 85,000									
<b>TOTAL SCHEDULE D: SEAFORD INTERCEPTOR SEWER REPLACEMENT</b>															
						70.0%	\$ 1,627,378	30.0%	\$ 697,448	Cost share percentage is EDU- proportional					
<b>ALT SCHEDULE D1: SEAFORD INTERCEPTOR SEWER REPLACEMENT (PUMP STATION)</b>															
D1	Mobilization	-	LS	1		\$ 172,998									
D2	Pump Station	-	LS	1	900,000	\$ 900,000									
D3	Forcemain (Directional Drill)	18"	LF	800	280	\$ 224,000									
D4	Replacement Gravity Sewer DI (open cut)	24"	LF	1,804	325	\$ 586,300									
D5	Railroad Crossing (jack and bore)	18"/30"	LF	30	1,400	\$ 42,000									
D6	Furnish and Install Manholes	-	VF	104	800	\$ 83,200									
D7	Furnish Manhole Frame and Cover	-	EA	13	900	\$ 11,700									
D8	Erosion and Sediment Control Measures	-	LS	1	50,000	\$ 50,000									
D9	Miscellaneous Restoration/Stabilization	-	LS	1	25,000	\$ 25,000									
D10	Contingency	-	%	20		\$ 384,440									
<b>SUBTOTAL ALT SCHEDULE D1: SEAFORD INTERCEPTOR SEWER REPLACEMENT</b>															
D11	Engineering - Design and Construction Phase Services	-	%	15		\$ 371,946									
D12	I/I Study w/ Flow Monitoring and Smoke Testing	-	LS	1		\$ 85,000									
<b>TOTAL ALT SCHEDULE D1: SEAFORD INTERCEPTOR SEWER REPLACEMENT</b>															
						70.0%	\$ 2,055,609	30.0%	\$ 880,975	Cost share percentage is EDU- proportional					
<b>SCHEDULE E: SEAFORD WASTEWATER TREATMENT PLANT UPGRADE AND EXPANSION</b>							Percentage (%)	Total (\$)	Percentage (%)	Total (\$)	Blades Share		Sussex County Unannexed Share		
E1	Liquid Stream Alt 2L- Membrane Bioreactor		LS	1		\$ 19,692,499	72.1%	\$ 14,198,292	18.7%	\$ 3,682,497	7.6%	\$ 1,496,630	1.6%	\$ 315,080	
E2	Biosolids Alt 3S - Off-Site Processing		LS	1		\$ 2,883,770	74.3%	\$ 2,142,641	16.4%	\$ 472,938	7.4%	\$ 213,399	1.9%	\$ 54,792	
E3	Hooper's Landing Golf Course Effluent Irrigation		LS	1		\$ 2,894,397	100.0%	\$ 2,894,397	0.0%		0.0%		0.0%		
<b>TOTAL SCHEDULE E: SEAFORD WWTP UPGRADE AND EXPANSION</b>															
						75.5%	\$ 19,235,330	16.3%	\$ 4,155,436	6.7%	\$ 1,710,029	1.5%	\$ 369,872		
<b>SCHEDULE F: BRIDGEVILLE WWTP &amp; PUMP STATION IMPROVEMENTS</b>															
F1	Bridgeville Wastewater Treatment Plant		LS	1		\$ 2,643,975									
F2	Heritage Shores Pump Station Improvements and Conveyance via West DelDOT ROW		LS	1		\$ 3,795,323									
F3	Bridgeville Branch Re-Naturalization		LS	1		\$ 200,000									
<b>TOTAL SCHEDULE F: BRIDGEVILLE WWTP &amp; PUMP STATION IMPROVEMENTS</b>															
							\$ -	100.0%	\$ 6,639,298	As provided by DBF					
<b>ALT SCHEDULE F1: BRIDGEVILLE WWTP &amp; PUMP STATION IMPROVEMENTS</b>															
F1	Bridgeville Wastewater Treatment Plant		LS	1		\$ 2,643,975									
F2	Heritage Shores Pump Station Improvements and Conveyance via Rt. 13 Median		LS	1		\$ 3,545,100									
F3	Bridgeville Branch Re-Naturalization		LS	1		\$ 200,000									
<b>TOTAL ALT SCHEDULE F1: BRIDGEVILLE WWTP &amp; PUMP STATION IMPROVEMENTS</b>															
							\$ -	100.0%	\$ 6,389,075	As provided by DBF					

Bridgeville/Greenwood Regional Sewer Evaluation  
 City of Seaford/ Sussex County Engineering/ Town of Bridgeville/ Town of Greenwood  
 Preliminary Cost Estimate

	Total Project Cost	Seaford Cost Share		Bridgeville/Greenwood Consortium Cost Share		Blades Cost Share		Sussex County Unannexed Cost Share	
TOTAL PRELIMINARY COST ESTIMATE (SCHEDULES A + B + C + D + E + F)	\$40,304,274		\$21,756,728		\$16,467,646		\$ 1,710,029		\$ 369,872
TOTAL PRELIMINARY COST ESTIMATE (SCHEDULES A + B + C + D1 + E + F)	\$40,916,033		\$22,184,958		\$16,651,174		\$ 1,710,029		\$ 369,872
TOTAL PRELIMINARY COST ESTIMATE (SCHEDULES A + B + C + D + E + F1)	\$40,054,052		\$21,756,728		\$16,217,424		\$ 1,710,029		\$ 369,872
TOTAL PRELIMINARY COST ESTIMATE (SCHEDULES A + B + C + D1 + E + F1)	\$40,665,810		\$22,184,958		\$16,400,951		\$ 1,710,029		\$ 369,872
COST SHARE ADJUSTMENT AS PROPOSED FOR INITIAL BUY-IN (SCHEDULES A + B + C + I/I STUDY COST)			-\$979,020		\$979,020				

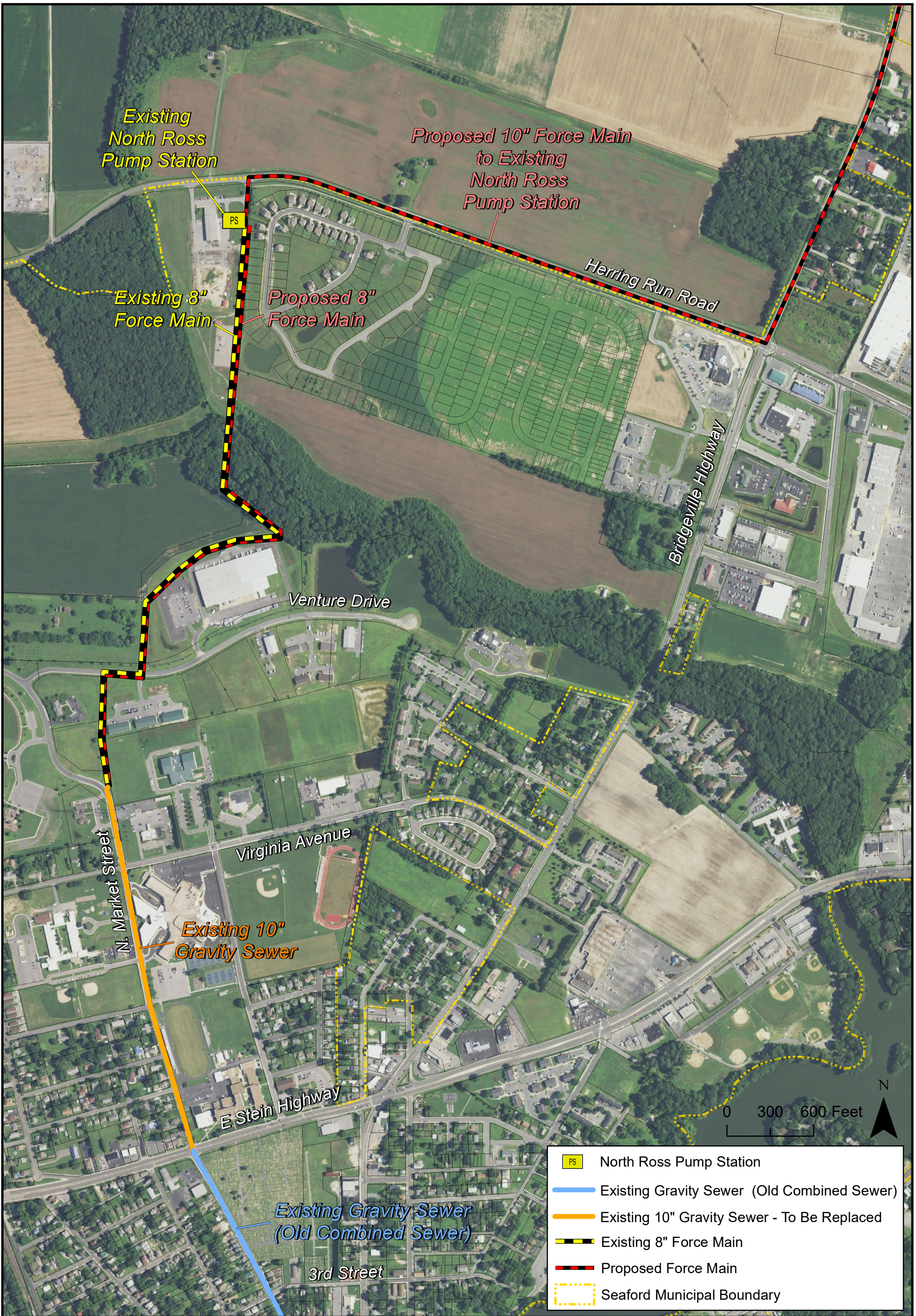












- PS North Ross Pump Station
- Existing Gravity Sewer (Old Combined Sewer)
- Existing 10" Gravity Sewer - To Be Replaced
- Existing 8" Force Main
- Proposed Force Main
- Seaford Municipal Boundary



SCALE : 1" = 60'  
 DESIGN BY : SMK  
 DRAWN BY : SMK  
 CHECKED BY : 181121-A  
 GMB FILE : 2017216  
 DATE : 03/29/16

SHEET NO.  
**EX. 3**

SEWER LAYOUT

BRIDGEVILLE/GREENWOOD  
 REGIONAL SEWER EVALUATION  
 SEAFORD, DELAWARE

**GMB**  
 GEORGE, MILES, & BUHR, LLC  
 ARCHITECTS & ENGINEERS  
 SALISBURY • BALTIMORE • SEAFORD  
 206 WEST MAIN STREET  
 SALISBURY, MARYLAND 21801  
 410-742-3115, FAX 410-548-5790  
 www.gmbnet.com

NO.	REVISIONS	DATE

PRINTS ISSUED FOR







A. Design Capacity (gpd)	2,000,000
B. Existing Flow (gpd)	1,069,500
C. Net Available Flow (gpd)	930,500
D. EDU: 225 gallons per day	225
E. EDU: 300 gallons per day	300
F. Flow Commitments:	

**Assumes Invista Nutrient Trade Agreement in effect**  
 (use for new construction)  
 (use for pre-1995 construction)

Project	Address	Acres	Assigned Density	Existing EDUs	Build-Out EDUs	Zoning/ Use	Flow Projection	WWTP Available Flow	Remarks
Reserved for Existing Lots of Record					50		15,000	915,500	future infill
Reserved for Ross Business Park							100,000	815,500	future infill
Reserved for Blades Sanitary Sewer District							158,900	656,600	County projected
Reserved for Leachate							35,000	621,600	Flow Equivalent based on high strength of leachate = 420,000 mgd
						Subtotal	308,900		
<u>Bridgeville/Greenwood Sanitary Sewer District - Initial</u>							250,000	371,600	
<u>Projects in Progress</u>									
Belle Ayre Subdivision	Atlanta Road			58	187	residential	29,025	342,575	Under construction
Governor's Grant Subdivision	Atlanta Road			76	96	residential	4,500	338,075	Under construction
Mearfield Subdivision	Herring Run Road			27	192	residential	37,125	300,950	Under construction
Mearfield Phase 2	Herring Run Road				153	residential	34,425	266,525	Construction start imminent
Villages at Stoneybrook	Tharp Road			192	342	residential	33,750	232,775	Apts complete; Condos not constructed
Baynum Commercial	Route 13	5.28	4		21	commercial	4,752	228,023	Site Plan approved; 2 lots remaining
Residences at River Place - Phase 1				36	36	residential	8,100	219,923	Opened April 2017
				389	1027	Subtotal	151,677		
<u>Planned Projects</u>									
Melanie's Ridge	Bridgeville Hwy				293	residential	65,925	153,998	Preliminary Approval
Melanie's Ridge	Bridgeville Hwy				40	commercial	12,000	141,998	Preliminary Approval
River Place Apts-Phases 2 and 3					112	residential	25,200	116,798	Planned
Riverwalk Professional					50	commercial	11,250	105,548	Planned
Galleria					71	commercial	15,975	89,573	Planned
The Shoppes at Riverwalk					9	commercial	2,025	87,548	Planned
The Marketplace at Riverwalk					9	commercial	2,025	85,523	Planned
The Hotel at Riverwalk					33	commercial	7,425	78,098	Planned
					617	Subtotal	141,825		
<u>Bridgeville/Greenwood Sanitary Sewer District - Potential Future</u>							300,000	(221,902)	County Projected
<u>Potential Future Development</u>									
Governor's Grant Multi-Family	Atlanta Road				104	residential	23,400		Prior approval has expired
Tull parcel	Atlanta Road	120.00			511	residential	114,975		Prior Tull Gardens; New Owner
EDDS LLC	Tharp Road	157.31			465	residential	104,625		Prior Gallery Pointe; New Owner

EDDS LLC Commercial	Tharp Road	15.46		49	commercial	11,025	Prior Gallery Pointe; New Owner
Seaford Land, LLC	Route 13	18.00	4	72	commercial	16,200	Prior Seaford 36; New Owner
Seaford Land, LLC	Route 13	18.00		200	residential	45,000	Prior Seaford 36; New Owner
L & S Thirteen	Route 13	9.40		35	commercial	7,875	Annexed
Tran Farm	Route 13	58.90		220	residential	49,500	Annexed
Tran Farm Commercial	Route 13	incl. in above		35	commercial	7,875	Annexed
Smoot Farm	Route 13	120.66		400	residential	90,000	Annexed
Smoot Farm Commercial	Route 13	incl. in above		92	commercial	20,700	Annexed
Dolby Farm	Route 13	208.00		280	residential	63,000	Annexed
Dolby Farm Commercial	Route 13	incl. in above		90	commercial	20,250	Annexed
Ayres Parcel	Tharp Road	9.08		17	commercial	3,825	Annexed
OLL Ventures	Route 13A	25.70		220	residential	49,500	Annexed
Hertrich parcel	Atlanta Road	8.87		124	residential	27,900	Annexed
				<u>2810</u>	Subtotal	<u>632,250</u>	
<u>Potential Future Sewer Extension for Septic Elimination</u>							
Reserve for Unannexed Areas Between Bridgeville and Seaford					residential	25,000	Per County Engineer 4-12-17
The Island-Riverside Drive				42	residential	12,600	Within 1,000 ft of Chesapeake Bay tidal area
The Island- Middleford Road		10	4	40	commercial	9,000	Within 1,000 ft of Chesapeake Bay tidal area
Route 13		25	4	100	commercial	22,500	Within 1,000 ft of Chesapeake Bay tidal area
North Shores				115	residential	34,500	Within 1,000 ft of Chesapeake Bay tidal area
				<u>297</u>	Subtotal	<u>103,600</u>	
					TOTAL	1,888,252	Projected
						<u>1,069,500</u>	Existing WWTP Flow
						2,957,752	