

Binghamton-Johnson City  
Joint Sewage Treatment Plant  
Comprehensive Flood Risk Reduction Project

Appendix A  
Maps and Building Inventory

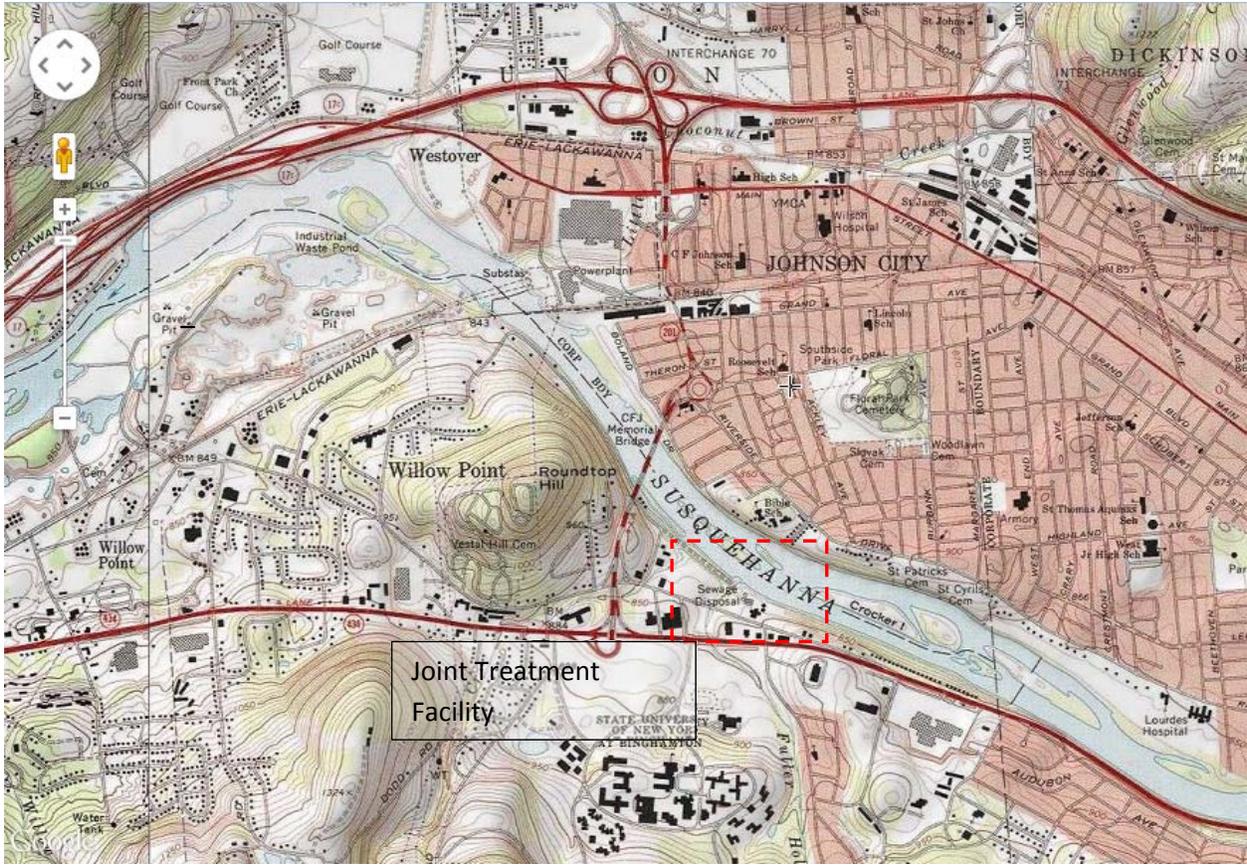
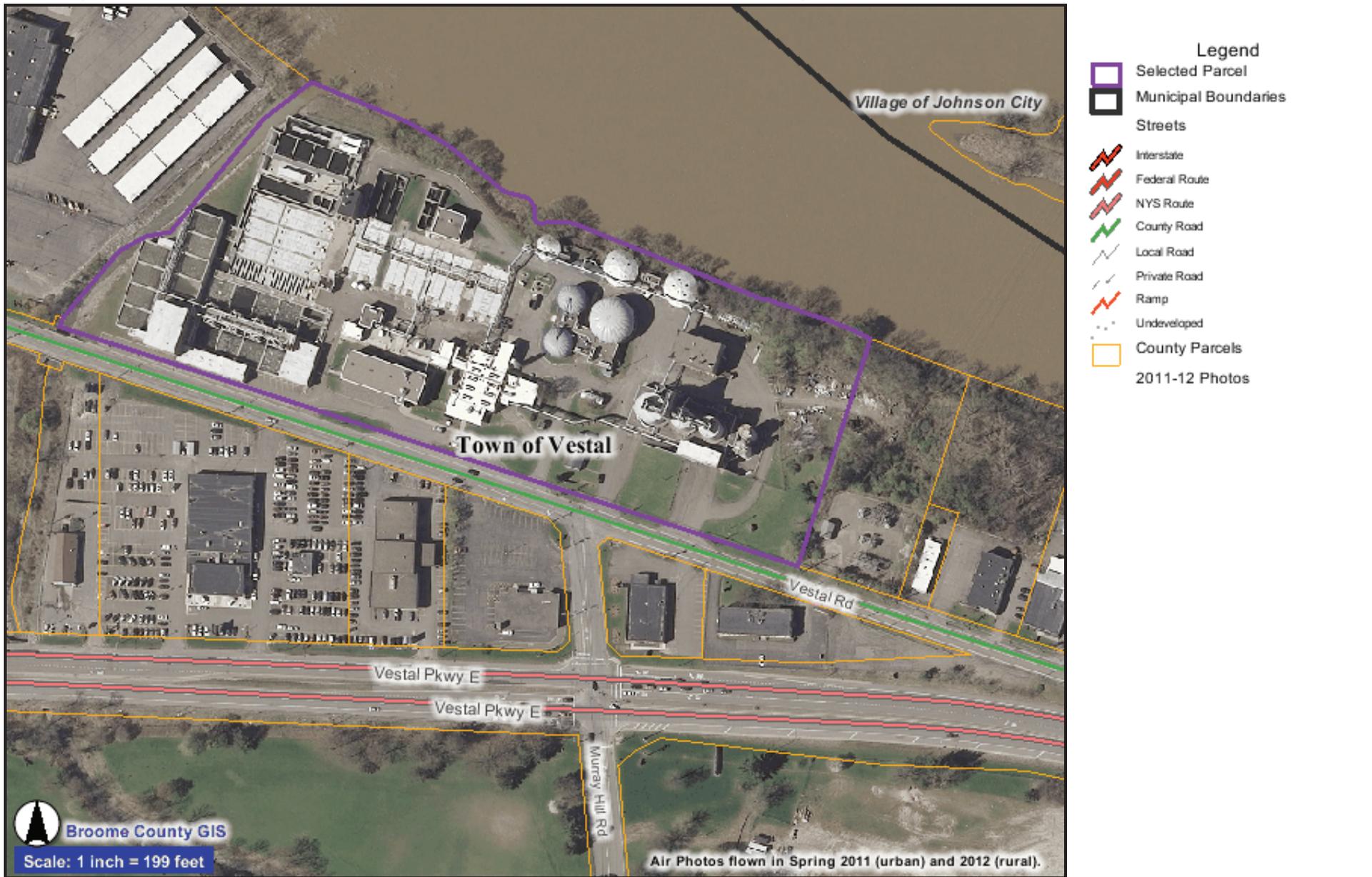
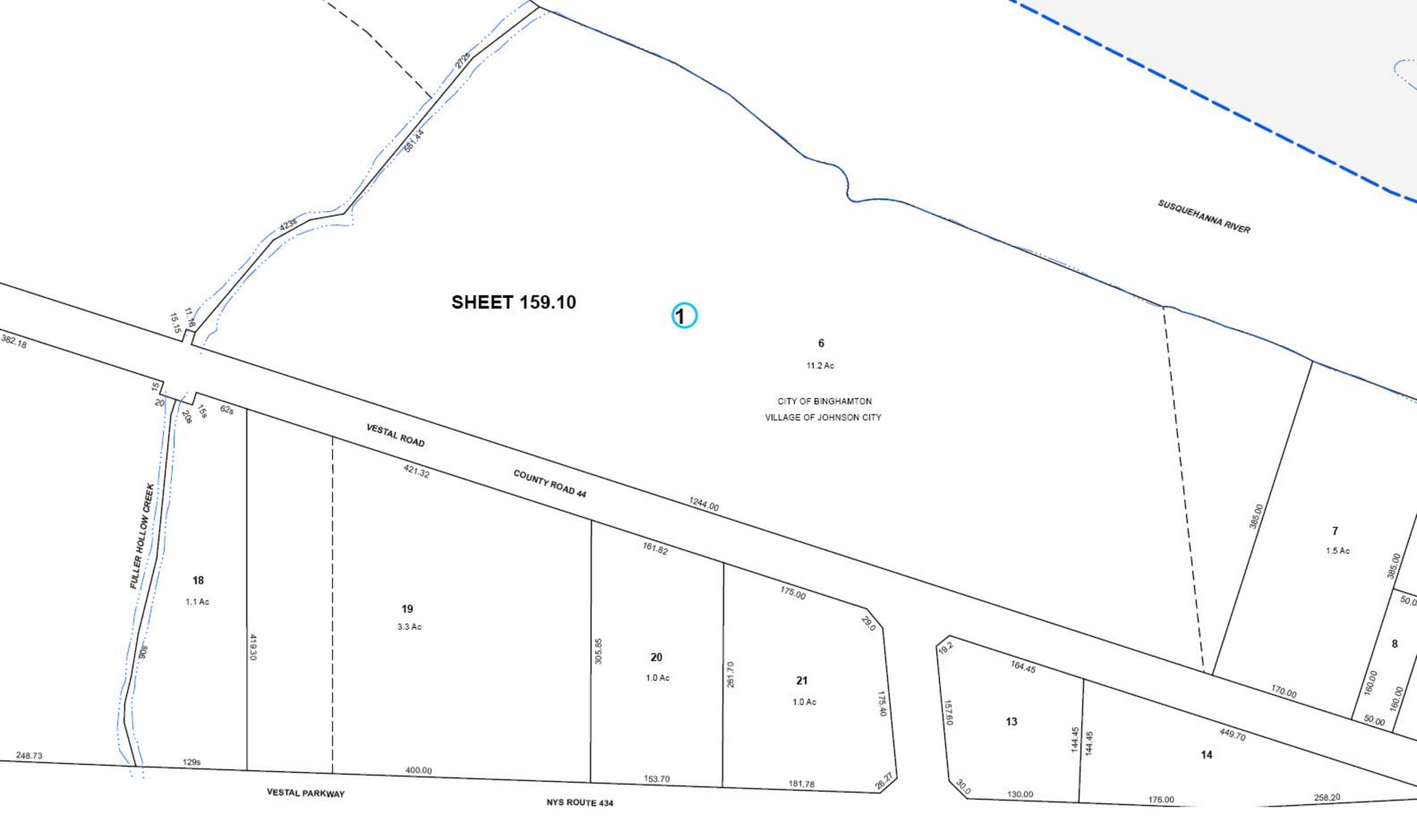


Figure 1 - Location Map, Town of Vestal, NY.





**SHEET 159.10**

1

6

11.2 Ac

CITY OF BINGHAMTON  
VILLAGE OF JOHNSON CITY

7

1.5 Ac

8

18

1.1 Ac

19

3.3 Ac

20

1.0 Ac

21

1.0 Ac

13

14

FULLER HOLLOW CREEK

SUSQUEHANNA RIVER

VESTAL ROAD

COUNTY ROAD 44

VESTAL PARKWAY

NYS ROUTE 434

382.18

248.73

15.15

11.18

15

20

15s

62s

419.30

129s

421.32

COUNTY ROAD 44

1244.00

161.82

175.00

29.0

175.40

28.27

305.85

261.70

153.70

181.78

19.2

157.60

30.0

164.45

144.45

144.45

130.00

176.00

449.70

170.00

258.20

385.00

385.00

50.00

160.00

160.00

50.00

**SUMMARY OF FACILITIES AT MAIN PLANT CAMPUS [4480 VESTAL ROAD, VESTAL (BROOME COUNTY), NEW YORK 13850]**

(footnotes appear on the last page)

JSTP ID NO.	COMMON NAME	YEAR FIRST BUILT	NATIONAL FLOOD INSURANCE PROGRAM FACILITY TYPE	FUNCTION(S) AND/OR USE(S)	APPROX. SQUARE FOOTAGE	ELEVATION OF TOP OF THE LOWEST FLOOR OR SLAB	09/05/1984 FIRM PANEL FLOOD MAP ZONE AO BASE ** FLOOD ELEVATION	HEIGHT OF THE TOP OF LOWEST FLOOR / SLAB ABOVE / BELOW BASE FLOOD ELEVATION	HEIGHT OF THE TOP OF LOWEST FLOOR / SLAB ABOVE / BELOW RECORD FLOOD ELEVATION OF 842.8'	06/30/2013 APPRAISAL UPDATE FULL REPLACEMENT COST VALUE * (INCLUDING CONTENTS, EQUIPMENT, DESIGN COST & NON-INSURABLE IMPROVEMENTS-)
1	<b>Compost Facility</b>	1989	Building	Electrical Shop; Storage; Locker Rooms and Showers; Dump Truck Bays; Fuel Storage; <i>planning ongoing to replace former Compost Function, Sludge Conveyor, and Controls with Dissolved Aeration Filtration (DAF) System</i>	<b>13,846</b>	<b>840.20</b> '	838.00 '	<b>2.20</b> '	<b>-2.60</b> '	<b>\$11,937,435</b>
2	<b>East Scrubber Building</b>	1999	Building	Air Scrubber Systems for Odor Control; Chemical Storage Tanks (4) and Feed Systems (6); Miscellaneous Storage; and Inside Storage for Building and Grounds Equipment	<b>3,431</b>	<b>840.60</b> '	838.00 '	<b>2.60</b> '	<b>-2.20</b> '	<b>\$1,544,507</b>
3	<b>Sludge Thickener #2 and #3 Control Building</b>	1974	Structure (<51% ACV *** above ground)	Control Systems; Sewage Pumps (4) and Sewage Grinders (3)	<b>1,259</b>	<b>822.40</b> '	838.00 '	<b>-15.60</b> '	<b>-20.40</b> '	<b>\$840,091</b>
3-A	<b>Sludge Thickener #2</b>	1974	Tank	50' diameter rotary Gravity Clarifier	<b>1,965</b>	<b>827.00</b> ' <i>(per plans)</i>	838.00 '	<b>-11.00</b> '	<b>-15.80</b> '	<b>\$480,221</b>
3-B	<b>Sludge Thickener #3</b>	1974	Tank	50' diameter rotary Gravity Clarifier	<b>1,965</b>	<b>827.20</b> ' <i>(per plans)</i>	838.00 '	<b>-10.80</b> '	<b>-15.60</b> '	<b>\$479,472</b>
3-OY	<b>Sludge Thickener #2 and #3 Outside Yard</b>	1974	Tank	Bar Screen Separator System and Process Piping; Equipment Vault	<b>74</b> <i>(per plans)</i>	<b>842.37</b> ' <i>(per plans)</i>	838.00 '	<b>4.37</b> '	<b>-0.43</b> '	<b>\$17,275</b>
4-A	<b>Sludge Digester Tank #2</b>	1959	Tank	35' diameter Anaerobic Sludge Digester System with Mixers and Dual-Membrane Gas-Holder Cover	<b>962</b>	<b>810.75</b> ' <i>(per plans)</i>	838.00 '	<b>-27.25</b> '	<b>-32.05</b> '	<b>\$850,533</b>
4-B	<b>Sludge Digester Tank #1</b>	1959	Tank	35' diameter Anaerobic Sludge Digester System with Mixers and Dual-Membrane Gas-Holder Cover	<b>962</b>	<b>810.75</b> ' <i>(per plans)</i>	838.00 '	<b>-27.25</b> '	<b>-32.05</b> '	<b>\$851,374</b>
4-B-1	<b>Sludge Digester #1 and #2 Control Building</b>	1959	Building	Control System; Process Air Blowers (4); Heat Exchangers (2); and Process Piping	<b>2,310</b>	<b>823.90</b> '	838.00 '	<b>-14.10</b> '	<b>-18.90</b> '	<b>\$2,004,746</b>

(footnotes appear on the last page)

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4-C	Sludge Digester Tank #3	1974	Tank	70' diameter Anaerobic Sludge Digester System with Mixers and Dual-Membrane Gas-Holder Cover	3,850	803.93 ' ( per plans )	838.00 '	-34.07 '	-38.87 '	\$2,439,697
4-C-2	Sludge Digester #3 Control Building	1974	Building	Control System; Boilers (4); Heat Exchanger (1); Recirculation Pumps (4) and Process Piping; Sludge Pumps (5); and Process Air Blowers (2)	5,547	840.50 '	838.00 '	2.50 '	-2.30 '	\$2,027,449
4-C-3	Generator	2009	Machinery	250kW Diesel Emergency Standby Generator	150 ( per plans )	840.94 '	838.00 '	2.94 '	-1.86 '	\$171,764
5	Sludge Thickener #1 Control Building	1966	Structure (<51% ACV *** above ground)	Control Systems and Sludge Pump	799	825.20 '	838.00 '	-12.80 '	-17.60 '	\$229,331
5-A	Sludge Thickener #1	1966	Tank	35' diameter rotary Gravity Clarifier	962	828.40 ' ( per plans )	838.00 '	-9.60 '	-14.40 '	\$304,054
5-OY	Sludge Thickener #1 Outside Yard	1966	Tank	Bar Screen Separator System and Process Piping; Equipment Vault	51 ( per plans )	840.15 ' ( per plans )	838.00 '	2.15 '	-2.65 '	\$7,831
6	Chlorination Building	1999	Building	Chemical Storage Tanks (5); Chemical Feed Pumps (4); and Controls	1,978	839.10 '	838.00 '	1.10 '	-3.70 '	\$489,974
6-A	Chlorine Contact Tank #2	1966	Tank	Chemical Disinfection of Wastewater	3,666	827.50 ' ( per plans )	838.00 '	-10.50 '	-15.30 '	\$1,303,014
6-B	Chlorine Contact Tank #3	1999	Tank	Chemical Disinfection of Wastewater	1,363	817.20 ' ( per plans )	838.00 '	-20.80 '	-25.60 '	\$797,108
7	Primary Sludge Pumping Station	1959	Structure (<51% ACV *** above ground)	Sewage Pumps (2); Sludge Pumps (2); Sewage Grinders (3); and Proc. Piping	906	826.90 '	838.00 '	-11.10 '	-15.90 '	\$527,671
7-A	Settling Basins #1 - #4	1959	Tanks	Primary Treatment by Settling and Skimming; Sewage Pump (1); and Sludge Collection	14,068	826.75 ' ( per plans )	838.00 '	-11.25 '	-16.05 '	\$2,800,580 (e)
7-A-5	Settling Basin #5	1966	Tank	Primary Treatment by Settling and Skimming; and Sludge Collection	3,180	826.75 ' ( per plans )	838.00 '	-11.25 '	-16.05 '	\$1,225,006

(footnotes appear on the last page)

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7-A-6	Settling Basin #6	1966	Tank	Primary Treatment by Settling and Skimming; and Sludge Collection	3,126	826.75 ' (per plans)	838.00 '	-11.25 '	-16.05 '	\$1,104,406
7-B	Scum Pumping Station #1	1966	Structure (<51% ACV *** above ground)	Sewage Pump (1) and Process Piping	140	818.38 ' (per plans)	838.00 '	-19.62 '	-24.42 '	\$62,262
7-C	Scum Pit #1	1959	Tank	Collection of Fats, Oils and Greases	112	837.50 ' (per plans)	838.00 '	-0.50 '	-5.30 '	\$17,275
8-A	Grit Classifier Building	1999	Building	Grit Removal	966	841.80 '	838.00 '	3.80 '	-1.00 '	\$301,383
8-B	(Binghamton) Grit Washing Building #2	1959	Building	Pump (1); Grit Removal and Washing; Storage; Employee Break Room	2,402	834.30 '	838.00 '	-3.70 '	-8.50 '	\$903,663
8-C	(JC) Grit Washing Building #1	1966	Building	Pumps (3); Grit Removal and Washing	1,288	834.00 '	838.00 '	-4.00 '	-8.80 '	\$580,265
8-D	Grit Chambers and Distribution Box	1959-2001	Structure (<51% ACV *** above ground)	Grit Removal; Chemical Mixing; and Wastewater Distribution	3,428	837.00 ' (per plans)	838.00 '	-1.00 '	-5.80 '	\$916,290 (e)
9	(Old) Blower House	1974	Building	Operations Office; SCADA Control Room; Multichannel Radio Station to transmit and receive SCADA data to/from Terminal Pumping Station; Electrical Switchgear; Transformers and Motor Control Centers; Electrical Distribution; Sewage Pumps (4); Sludge Pump (1); Process Air Blowers (2); Mechanical Shop; Employee Break Room; Locker Room and Showers; Miscellaneous Storage; and Inside Storage for Transportation Equipment	14,958	830.30 '	838.00 '	-7.70 '	-12.50 '	\$4,335,415 (s)

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10 & 10-A	Head House & Headworks Pit	1959	Building	Bar Screens (2); Blower (1); Wet-Well, Main Influent Wastewater Pumps (4) serving Binghamton Flow Side; Electrical Switchgear; Transformers and Motor Control Centers; Sewage Grinders (3); Sewage Pumps (4); Sludge Dewatering Centrifuges (3) and Lime Stabilization Mixing System; Sludge Conveyors and Dump Truck Loading Bay; Chemical Storage Silo; Laboratory; Vehicle Shop; and Storage	13,716	805.00 '	838.00 '	-33.00 '	-37.80 '	\$8,778,709
11	Secondary Influent Pumping Station	2004	Structure (<51% ACV *** above ground)	Secondary Influent Wet-Well and Wastewater Pumps (4)	6,720	818.60 '	838.00 '	-19.40 '	-24.20 '	\$3,536,350
11-A	Backwash Equalization Tank	2004	Tank	Holding for partially-treated wastewater and residuals; Wastewater Pumps (3)	2,260	818.50 ' (per plans)	838.00 '	-19.50 '	-24.30 '	\$1,522,906
12	Converted Primary Sludge Pumping Station	1974	Structure (<51% ACV *** above ground)	Sewage Pumps (8) and Process Piping	3,250	818.60 '	838.00 '	-19.40 '	-24.20 '	\$983,123
12-A	Settling Basins #7 - #10	1974	Tanks	Primary Treatment by Settling and Skimming, and Sludge Collection; <i>planning ongoing to replace Settling Basin #7 with 2mm Fine Screening System</i>	21,252	826.75 ' (per plans)	838.00 '	-11.25 '	-16.05 '	\$4,797,217
12-B	Scum Pumping Station #2	1974	Structure (<51% ACV *** above ground)	Sewage Pump (1) and Process Piping	71	827.12 ' (per plans)	838.00 '	-10.88 '	-15.68 '	\$207,022
13	West Scrubber Building	1974	Building	Air Scrubber Systems for Odor Control ( <i>usage discontinued</i> ); Chemical Storage and Feed Systems; and Miscellaneous Storage	1,176	837.80 '	838.00 '	-0.20 '	-5.00 '	\$916,590
14	DN-Filter Complex (includes 4 DN-filter cells [tanks] and DN-Backwash Equalization Tank)	2004	Structure (<51% ACV *** above ground)	Nitrogen Removal from Wastewater; includes Pipe Screens; Compressor; Process Air Blowers (2); Sewage Pumps (2); and Wastewater Pumps (4)	19,640	824.60 '	838.00 '	-13.40 '	-18.20 '	\$7,928,939

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14-A	<b>Methanol Storage and Feed Facility</b>	2006	Tanks	Chemical Storage Tanks (2); Controls; and Chemical Feed Pumps (4)	<b>1,978</b>	<b>842.60</b> '	838.00 '	<b>4.60</b> '	<b>-0.20</b> '	<b>\$631,060</b>
14-B	<b>Chlorine Contact Tank #1</b>	2006	Tank	Chemical Disinfection of Wastewater	<b>4,140</b>	<b>827.50</b> ' (per plans)	838.00 '	<b>-10.50</b> '	<b>-15.30</b> '	<b>\$587,633</b>
14-C	<b>Clearwell</b>	2004	Tank	Holding for Partially-Treated Wastewater	<b>2,685</b>	<b>825.25</b> ' (per plans)	838.00 '	<b>-12.75</b> '	<b>-17.55</b> '	<b>\$852,740</b>
14-D	<b>Clearwell Channel</b>	2004	Structure (<51% ACV *** above ground)	Transportation of Partially-Treated Wastewater	<b>1,713</b>	<b>824.83</b> ' (per plans)	838.00 '	<b>-13.17</b> '	<b>-17.97</b> '	<b>\$1,013,431</b>
15	<b>N-Filter Complex</b> (includes 8 N-filter cells [tanks])	2005	Structure (<51% ACV *** above ground)	Nitrification of Wastewater (Breakdown of Ammonia)	<b>24,289</b>	<b>820.84</b> ' (per plans)	838.00 '	<b>-17.16</b> '	<b>-21.96</b> '	<b>\$11,418,273</b>
16	<b>Fine Screenings Pump Building</b>	2005	Structure (<51% ACV *** above ground)	SCADA Control Room; 2mm Fine Screening (3 Arc screen systems); Wastewater Pumps (5); Process Piping; and Compressor; <i>planning ongoing to relocate Fine Screening Systems to Settling Basin #7</i>	<b>14,976</b>	<b>825.50</b> '	838.00 '	<b>-12.50</b> '	<b>-17.30</b> '	<b>\$4,788,873</b>
17	<b>C Filter Complex</b> (includes 8 C-filter cells [tanks])	2005	Structure (<51% ACV *** above ground)	Removal of Carbonaceous Material from Wastewater; Sump Pumps (2)	<b>16,974</b>	<b>834.17</b> ' (per plans)	838.00 '	<b>-3.83</b> '	<b>-8.63</b> '	<b>\$9,896,084</b>
18	<b>(New) BAF Blower Building</b>	2005	Building	Process Air Blowers (8) and Air Distribution Header; <i>planning ongoing to relocate blowers serving C-cells and N-cells to respective Facilities</i>	<b>2,750</b>	<b>839.00</b> '	838.00 '	<b>1.00</b> '	<b>-3.80</b> '	<b>\$2,029,223</b>
19	<b>Water Meter House</b>	1974	Building	Housing for Water Meter and Water Distribution Piping	<b>84</b>	<b>845.60</b> '	838.00 '	<b>7.60</b> '	<b>2.80</b> '	<b>\$4,863</b>
20	<b>Gas Meter House</b>	1959	Building	Housing for Gas Meter and Natural Gas Distribution Piping	<b>100</b>	<b>844.60</b> '	838.00 '	<b>6.60</b> '	<b>1.80</b> '	<b>\$15,443</b>

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21	(Red) Office Trailer	1993	Structure (not affixed to permanent foundation)	Office Space; Library Space for Plan Drawings as well as Operations, Maintenance, and Training Manuals; manufacturing for Piping Labels and Safety Decals; <i>construction in progress to replace with permanent space (see 26, below)</i>	256	845.80 ' (estimated)	838.00 '	7.80 '	3.00 '	\$24,213
22	Electrical Storage Shed	1999	Structure (not affixed to permanent foundation)	Storage of Electrical Equipment, Spare Parts, and Materials	144	840.24 '	838.00 '	2.24 '	-2.56 '	\$6,447
23	Binghamton Influent Sampling Point	1959	Structure (<51% ACV *** above ground)	Analysis and Monitoring of Influent Wastewater	100	831.22 '	838.00 '	-6.78 '	-11.58 '	\$40,796
24 P-OY	Main Plant Outside Yard	n/a	Machinery and Tank	Grounds and Fencing; Transformers and Electrical Distribution; Lighting; Process Piping; Water Distribution Piping and Check Valve Vaults; Sludge Conveyors; Odor Control Ductwork, Fans (3), and Blowers (11); Natural Gas Distribution Piping; Waste Gas Burners with Flare Stacks (2) and Controls; Signage; Storage Yards; Stormwater Catchbasins and Piping; Regulator Vaults and Manholes	892 50	n/a	n/a	n/a	n/a	\$3,460,415 (e)
					<b>NOTE:</b>	Real Estate/Lands ( 11.23 acres, <i>more or less</i> ) were appraised as of April 9, 2008 for:				\$5,484,393
25	(Terminal Pumping Station -- located at a separate, remote site -- see , page 8)									
26	Training, Administration and Office Building (under construction)	2014	Building	<i>projected uses:</i> Training and Conference Rooms; SCADA Control Room; Shift/Operations Office; Office Space; Library Space for Plan Drawings as well as Operations, Maintenance and Training Manuals; Instrumentation Maintenance and Repair; manufacturing for Piping Labels and Safety Decals; Employee Break Room; Showers; and 80kW Diesel Emergency Standby Generator	4,250 (per plans)	847.00 ' (per plans)	838.00 '	9.00 '	4.20 '	n/a
					<i>budgeted funding for Building ( including site plan and building design costs ):</i>				\$820,900	
					<i>Contents ( presently located in off-site leased office space ):</i>				\$78,251	
					81 (per plans)					

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27	<b>Chemically-Enhanced Primary Treatment (CEPT) Facility</b>	2012	Building	Chemical Mixing and Storage; Chemical Feed Pumps (6); Process Piping; and Controls	<b>251</b>	<b>842.02</b> '	838.00 '	<b>4.02</b> '	<b>-0.78</b> '	<b>\$695,342</b> (e)
27-A	<b>Ferric Chloride Storage Facility</b>	2012	Tanks	Tanks (2) and Chemical Feed Piping (part of CEPT System)	<b>760</b>	<b>842.50</b> '	838.00 '	<b>4.50</b> '	<b>-0.30</b> '	<b>\$134,201</b> (e)
28	<b>Leased Shower Trailer</b>	1993	Structure (not affixed to permanent foundation)	Locker Rooms and Showers	<b>500</b> (estimated)	<b>841.27</b> ' (estimated)	838.00 '	<b>3.27</b> '	<b>-1.53</b> '	<b>\$250</b> (contents only)
29	<b>Leased Office Trailer</b>	1993	Structure (not affixed to permanent foundation)	Conference Room and Office Space; Library Space and Storage for Records, Specifications and Plan Drawings	<b>670</b> (estimated)	<b>850.25</b> ' (estimated)	838.00 '	<b>12.25</b> '	<b>7.45</b> '	<b>\$27,750</b> (contents only)

**SITE TOTAL ( Main Plant - existing )**

square footage of floors, slabs, and tank bases ( existing )    **231,191** gross square feet    **SITE TOTAL ( existing )    \$109,382,879**

( does not include Vehicles or Inventories )

of which, 15 Buildings contain approximately:    **64,803** gross square feet of floor area, and  
of which, 34 Structures contain approximately:    **70,783** gross square feet of floor and/or slab area, and  
of which, 42 Tanks contain approximately:    **95,605** (planar) gross square feet of tank bottom area

**SITE TOTAL ( Main Plant - including new construction )**

square footage of floors, slabs, and tank bases ( including new construction )    **235,441** gross square feet    **SITE TOTAL ( including new construction )    \$110,203,779**

( does not include Vehicles or Inventories )

of which, 16 Buildings contain approximately:    **69,053** gross square feet of floor area, and  
of which, 34 Structures contain approximately:    **70,783** gross square feet of floor and/or slab area, and  
of which, 42 Tanks contain approximately:    **95,605** (planar) gross square feet of tank bottom area

( continues on next page )

SUMMARY OF FACILITIES AT TERMINAL PUMP STATION (TPS) CAMPUS [3936 GATES ROAD, VESTAL (BROOME COUNTY), NEW YORK 13850]

JSTP ID NO.	COMMON NAME	YEAR FIRST BUILT	NATIONAL FLOOD INSURANCE PROGRAM FACILITY TYPE	FUNCTION(S) AND/OR USE(S)	APPROX. SQUARE FOOTAGE	ELEVATION OF TOP OF THE LOWEST FLOOR OR SLAB	09/05/1984 FIRM PANEL FLOOD ZONE AO BASE ** FLOOD ELEVATION	HEIGHT OF THE TOP OF LOWEST FLOOR / SLAB ABOVE / BELOW BASE FLOOD ELEVATION	HEIGHT OF THE TOP OF LOWEST FLOOR / SLAB ABOVE / BELOW RECORD FLOOD ELEVATION OF 840.8'	06/30/2013 APPRAISAL UPDATE FULL REPLACEMENT COST VALUE * (INCLUDING CONTENTS, EQUIPMENT, DESIGN COST & NON-INSURABLE IMPROVEMENTS~)
25 (TPS)	Terminal Pumping Station (TPS)	1966	Structure (<51% ACV *** above ground)	Sewage Grinders (2); Main Influent Wastewater Pumps (4) serving Johnson City Flow Side; Electrical Switchgear, Transformer, and Motor Control Centers; Electrical Distribution and Storage; Multichannel Radio Station to transmit and receive SCADA data to/from Main Plant (k)	6,465	799.6'	836.00'	-36.40'	-41.20'	\$3,084,109
25-A (T-OY)	Terminal Pumping Station Outside Yard	n/a	Machinery	Electric Substation; Lighting; Regulator Vaults; Grounds and Fencing	791 (per plans)	804.34' (per plans)	836.00'	-31.66'	-36.46'	\$27,043
<b>NOTE:</b>					Real Estate/Lands ( 0.835 acres, more or less ) were appraised as of April 9, 2008 for:					\$199,500
<b>SITE TOTAL ( TPS )</b>					square footage of floors and slabs ( TPS )	7,256	gross square feet	<b>SITE TOTAL ( TPS )</b>		<b>\$3,310,652</b>

**GRAND TOTAL ( including new construction )**

square footage of floors, slabs, and tank bases ( including new construction ) **242,697** gross square feet **GRAND TOTAL ( including new construction )** **\$113,514,431**

( does not include Vehicles or Inventories )

of which, 16 Buildings contain approximately: **69,053** gross square feet of floor area, and  
of which, 37 Structures contain approximately: **78,039** gross square feet of floor and/or slab area, and  
of which, 42 Tanks contain approximately: **95,605** (planar) gross square feet of tank bottom area

**NOTES -**

\* - Under the methodology followed by the Industrial Appraisal Company, Inc., "Full Replacement Cost" is not reduced to account for depreciation or the cost of capital repairs required due to [i] flooding (in 2006 and/or 2011), [ii] structural deficiency, [iii] physical loss, and/or [iv] remedial repairs or renovations in progress

\*\* - "Base Flood Elevation" is the predicted maximum level of flooding that has a one percent chance of being equalled or exceeded in a given year: commonly referred to as the "100-year flood elevation"

~ - "non-insurable improvements" include, for example, landscaping, excavations, pilings, pile caps, footings, foundations, foundation walls, buried non-process water, sewer, and natural gas lines

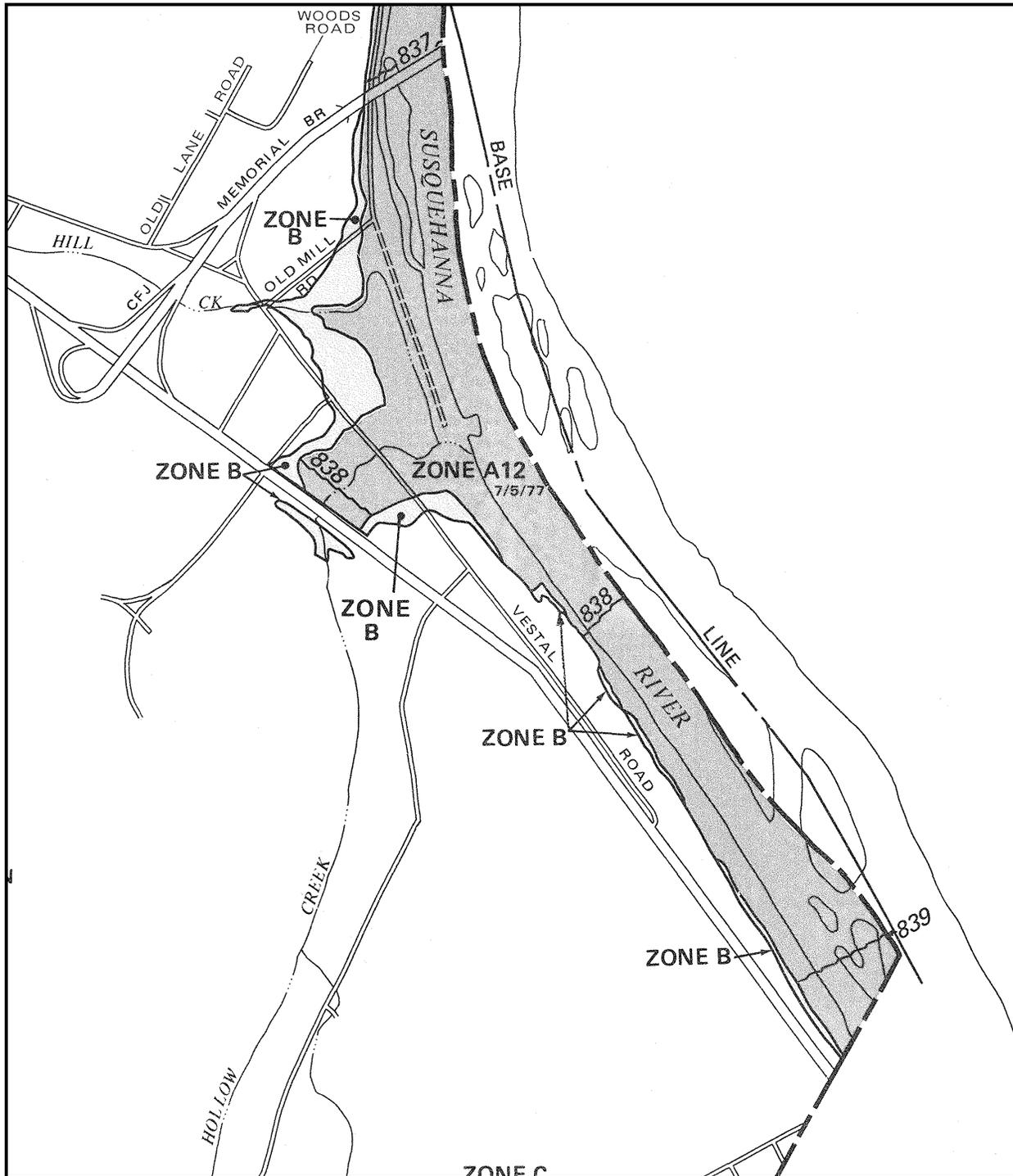
\*\*\* - "ACV" is an acronym for "actual cash value" (as defined in the National Flood Insurance Program's regulations)

( per plans ) - denotes that the area or elevation was determined by reference to engineer's plan drawings (as opposed to being measured/determined by an appraiser [area] or a licensed land surveyor [elevation])

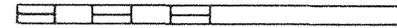
e - includes engineer's reported construction/installation cost as of 12/05/2013 for additions associated with the Chemically-Enhanced Primary Treatment (CEPT) System

s - includes values for some linked terminal SCADA control system devices and components located on-site, but outside Building 9;

k - "SCADA" is an acronym for "Supervisory Control and Data Acquisition", a computerized industrial automation system for control of machinery and equipment, as well as collection and reporting of operating data



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NATIONAL FLOOD INSURANCE PROGRAM

**FIRM**  
 FLOOD INSURANCE RATE MAP

TOWN OF  
**VESTAL,**  
 NEW YORK  
 BROOME COUNTY

PANEL 15 OF 30  
 (SEE MAP INDEX FOR PANELS NOT PRINTED)

COMMUNITY-PANEL NUMBER  
 360057 0015 D

MAP REVISED:  
 SEPTEMBER 5, 1984



Federal Emergency Management Agency

This is an official copy of a portion of the above referenced flood map. It was extracted using F-MIT On-Line. This map does not reflect changes or amendments which may have been made subsequent to the date on the title block. For the latest product information about National Flood Insurance Program flood maps check the FEMA Flood Map Store at [www.msc.fema.gov](http://www.msc.fema.gov)



**NFIP**  
**NATIONAL FLOOD INSURANCE PROGRAM**

PANEL 0352F

**FIRM**

FLOOD INSURANCE RATE MAP

for BROOME COUNTY, NEW YORK  
(ALL JURISDICTIONS)

CONTAINS:

<u>COMMUNITY</u>	<u>NUMBER</u>
BINGHAMTON, CITY OF	360038
DICKINSON, TOWN OF	360044
JOHNSON CITY, VILLAGE OF	360047
UNION, TOWN OF	360056
VESTAL, TOWN OF	360057

**PRELIMINARY**  
**FEBRUARY 5, 2010**

PANEL 352 OF 651

MAP SUFFIX: F

(SEE MAP INDEX FOR FIRM PANEL LAYOUT)

Notice to User: The Map Number shown below should be used when placing map orders; the Community Number shown above should be used on insurance applications for the subject community.



**MAP NUMBER**  
**36007C0352F**

**MAP EFFECTIVE**

Federal Emergency Management Agency

