Full Environmental Assessment Form Part 2 - Identification of Potential Project Impacts

Project : Date : 7 A-1]

Part 2 is to be completed by the lead agency. Part 2 is designed to help the lead agency inventory all potential be affected by a proposed project or action. We recognize that the lead agency's reviewer(s) will not necessarily be environmental professionals. So, the questions are designed to walk a reviewer through the assessment process by providing a series of questions that can be answered using the information found in Part 1. To further assist the lead agency in completing Part 2, the form identifies the most relevant questions in Part 1 that will provide the information needed to answer the Part 2 question. When Part 2 is completed, the lead agency will have identified the relevant environmental areas that may be impacted by the proposed activity.

If the lead agency is a state agency and the action is in any Coastal Area, complete the Coastal Assessment Form before proceeding with this assessment.

Tips for completing Part 2:

- Review all of the information provided in Part 1.
- Review any application, maps, supporting materials and the Full EAF Workbook.
- Answer each of the 18 questions in Part 2.
- If you answer "Yes" to a numbered question, please complete all the questions that follow in that section.
- If you answer "No" to a numbered question, move on to the next numbered question.
- Check appropriate column to indicate the anticipated size of the impact.
- Proposed projects that would exceed a numeric threshold contained in a question should result in the reviewing agency checking the box "Moderate to large impact may occur."
- The reviewer is not expected to be an expert in environmental analysis.
- If you are not sure or undecided about the size of an impact, it may help to review the sub-questions for the general question and consult the workbook.
- When answering a question consider all components of the proposed activity, that is, the "whole action".
- Consider the possibility for long-term and cumulative impacts as well as direct impacts.
- Answer the question in a reasonable manner considering the scale and context of the project.

1. Impact on Land Proposed action may involve construction on, or physical alteration of, the land surface of the proposed site. (See Part 1. D.1)	□NC	· Z	YES
If "Yes", answer questions a - j. If "No", move on to Section 2.	Relevant Part I Question(s)	No, or small impact may occur	Moderate to large impact may occur
a. The proposed action may involve construction on land where depth to water table is less than 3 feet.	E2d	Ø	
b. The proposed action may involve construction on slopes of 15% or greater.	E2f	Ø	
c. The proposed action may involve construction on land where bedrock is exposed, or generally within 5 feet of existing ground surface.	E2a	Ø	
d. The proposed action may involve the excavation and removal of more than 1,000 tons of natural material.	D2a	Ø	
e. The proposed action may involve construction that continues for more than one year or in multiple phases.	D1e	Ø	
f. The proposed action may result in increased erosion, whether from physical disturbance or vegetation removal (including from treatment by herbicides).	D2e, D2q	Ø	
g. The proposed action is, or may be, located within a Coastal Erosion hazard area.	B1i	Ø	
h. Other impacts:		Ø	

2. Impact on Geological Features The proposed action may result in the modification or destruction of, or inhib.	it					
access to, any unique or unusual land forms on the site (e.g., cliffs, dunes, minerals, fossils, caves). (See Part 1. E.2.g)						
If "Yes", answer questions a - c. If "No", move on to Section 3.						
y les , unavor questions a c. 2) 110 y more onto 2220000	Relevant Part I Question(s)	No, or small impact may occur	Moderate to large impact may occur			
a. Identify the specific land form(s) attached:	E2g	٥				
b. The proposed action may affect or is adjacent to a geological feature listed as a registered National Natural Landmark. Specific feature:	E3c					
c. Other impacts:						
3. Impacts on Surface Water The proposed action may affect one or more wetlands or other surface water bodies (e.g., streams, rivers, ponds or lakes). (See Part 1. D.2, E.2.h) If "Yes", answer questions a - l. If "No", move on to Section 4.	□no) \[YES			
If Tob , who has quebected at 12, 210,	Relevant	No, or	Moderate			
	Part I Question(s)	small impact may occur	to large impact may occur			
a. The proposed action may create a new water body.	D2b, D1h	Z				
b. The proposed action may result in an increase or decrease of over 10% or more than a 10 acre increase or decrease in the surface area of any body of water.	D2b	☑				
c. The proposed action may involve dredging more than 100 cubic yards of material from a wetland or water body.	D2a	Ø				
d. The proposed action may involve construction within or adjoining a freshwater or tidal wetland, or in the bed or banks of any other water body.	E2h	Z				
e. The proposed action may create turbidity in a waterbody, either from upland erosion, runoff or by disturbing bottom sediments.	D2a, D2h	Ø				
f. The proposed action may include construction of one or more intake(s) for withdrawal of water from surface water.	D2c	Ø				
g. The proposed action may include construction of one or more outfall(s) for discharge of wastewater to surface water(s).	D2d	[2]				
h. The proposed action may cause soil erosion, or otherwise create a source of stormwater discharge that may lead to siltation or other degradation of receiving water bodies.	D2e	Ø				
i. The proposed action may affect the water quality of any water bodies within or downstream of the site of the proposed action.	E2h	∠				
j. The proposed action may involve the application of pesticides or herbicides in or around any water body.	D2q, E2h	Ø				
k. The proposed action may require the construction of new, or expansion of existing, wastewater treatment facilities.	D1a, D2d	Ø				

1. Other impacts:		Z Z	
4. Impact on groundwater The proposed action may result in new or additional use of ground water, or may have the potential to introduce contaminants to ground water or an aquife (See Part 1. D.2.a, D.2.c, D.2.d, D.2.p, D.2.q, D.2.t) If "Yes", answer questions a - h. If "No", move on to Section 5.	☑NO		YES
if ites, anoner queenche and any are some	Relevant Part I Question(s)	No, or small impact may occur	Moderate to large impact may occur
a. The proposed action may require new water supply wells, or create additional demand on supplies from existing water supply wells.	D2c		
b. Water supply demand from the proposed action may exceed safe and sustainable withdrawal capacity rate of the local supply or aquifer. Cite Source:	D2c		
c. The proposed action may allow or result in residential uses in areas without water and sewer services.	D1a, D2c		
d. The proposed action may include or require wastewater discharged to groundwater.	D2d, E2l		
e. The proposed action may result in the construction of water supply wells in locations where groundwater is, or is suspected to be, contaminated.	D2c, E1f, E1g, E1h		
f. The proposed action may require the bulk storage of petroleum or chemical products over ground water or an aquifer.	D2p, E2l		
g. The proposed action may involve the commercial application of pesticides within 100 feet of potable drinking water or irrigation sources.	E2h, D2q, E2l, D2c		
h. Other impacts:			
5. Impact on Flooding The proposed action may result in development on lands subject to flooding. (See Part 1. E.2) If "Yes", answer questions a - g. If "No", move on to Section 6.	✓ NO		YES
ij Tes , ansmer queenem e g. g.	Relevant Part I Question(s)	No, or small impact may occur	Moderate to large impact may occur
a. The proposed action may result in development in a designated floodway.	E2i		
b. The proposed action may result in development within a 100 year floodplain.	E2j		
c. The proposed action may result in development within a 500 year floodplain.	E2k		
d. The proposed action may result in, or require, modification of existing drainage patterns.	D2b, D2e		
e. The proposed action may change flood water flows that contribute to flooding.	D2b, E2i, E2j, E2k		
f. If there is a dam located on the site of the proposed action, is the dam in need of repair, or upgrade?	Ele		

g. Other impacts:			
	<u> </u>		
6. Impacts on Air The proposed action may include a state regulated air emission source. (See Part 1. D.2.f., D,2,h, D.2.g) If "Yes", answer questions a - f. If "No", move on to Section 7.	√NO		YES
if les, answer questions a - j. if two, move on to section 7.	Relevant Part I Question(s)	No, or small impact may occur	Moderate to large impact may occur
 a. If the proposed action requires federal or state air emission permits, the action may also emit one or more greenhouse gases at or above the following levels: i. More than 1000 tons/year of carbon dioxide (CO₂) ii. More than 3.5 tons/year of nitrous oxide (N₂O) iii. More than 1000 tons/year of carbon equivalent of perfluorocarbons (PFCs) iv. More than .045 tons/year of sulfur hexafluoride (SF₆) v. More than 1000 tons/year of carbon dioxide equivalent of hydrochloroflourocarbons (HFCs) emissions vi. 43 tons/year or more of methane 	D2g D2g D2g D2g D2g D2g	00000	_ _ _ _
b. The proposed action may generate 10 tons/year or more of any one designated hazardous air pollutant, or 25 tons/year or more of any combination of such hazardous air pollutants.	D2g		<u>.</u>
c. The proposed action may require a state air registration, or may produce an emissions rate of total contaminants that may exceed 5 lbs. per hour, or may include a heat source capable of producing more than 10 million BTU's per hour.	D2f, D2g		0
d. The proposed action may reach 50% of any of the thresholds in "a" through "c", above.	D2g		0
e. The proposed action may result in the combustion or thermal treatment of more than 1 ton of refuse per hour.	D2s		
f. Other impacts:			
7. Impact on Plants and Animals The proposed action may result in a loss of flora or fauna. (See Part 1. E.2. m If "Yes", answer questions a - j. If "No", move on to Section 8.	nq.)	NO	□YES
if its , unswer questions a j. sj 110 , more on to section of	Relevant Part I Question(s)	No, or small impact may occur	Moderate to large impact may occur
a. The proposed action may cause reduction in population or loss of individuals of any threatened or endangered species, as listed by New York State or the Federal government, that use the site, or are found on, over, or near the site.	E20		
b. The proposed action may result in a reduction or degradation of any habitat used by any rare, threatened or endangered species, as listed by New York State or the federal government.	E2o		
c. The proposed action may cause reduction in population, or loss of individuals, of any species of special concern or conservation need, as listed by New York State or the Federal government, that use the site, or are found on, over, or near the site.	E2p		0
d. The proposed action may result in a reduction or degradation of any habitat used by any species of special concern and conservation need, as listed by New York State or the Federal government.	E2p		

e. The proposed action may diminish the capacity of a registered National Natural Landmark to support the biological community it was established to protect.	E3c		
f. The proposed action may result in the removal of, or ground disturbance in, any portion of a designated significant natural community. Source:	E2n		
g. The proposed action may substantially interfere with nesting/breeding, foraging, or over-wintering habitat for the predominant species that occupy or use the project site.	E2m		
h. The proposed action requires the conversion of more than 10 acres of forest, grassland or any other regionally or locally important habitat. Habitat type & information source:	E1b		
i. Proposed action (commercial, industrial or recreational projects, only) involves use of herbicides or pesticides.	D2q		
j. Other impacts:			B
8. Impact on Agricultural Resources The proposed action may impact agricultural resources. (See Part 1. E.3.a. a If "Yes", answer questions a - h. If "No", move on to Section 9.	□NO	✓ YES	
	Relevant	No, or	Moderate
	Part I Question(s)	small impact may occur	to large impact may occur
a. The proposed action may impact soil classified within soil group 1 through 4 of the NYS Land Classification System.	Part I	small impact	to large impact may
	Part I Question(s)	small impact may occur	to large impact may occur
NYS Land Classification System. b. The proposed action may sever, cross or otherwise limit access to agricultural land	Part I Question(s)	small impact may occur	to large impact may occur
NYS Land Classification System. b. The proposed action may sever, cross or otherwise limit access to agricultural land (includes cropland, hayfields, pasture, vineyard, orchard, etc). c. The proposed action may result in the excavation or compaction of the soil profile of	Part I Question(s) E2c, E3b E1a, Elb	small impact may occur	to large impact may occur
 b. The proposed action may sever, cross or otherwise limit access to agricultural land (includes cropland, hayfields, pasture, vineyard, orchard, etc). c. The proposed action may result in the excavation or compaction of the soil profile of active agricultural land. d. The proposed action may irreversibly convert agricultural land to non-agricultural uses, either more than 2.5 acres if located in an Agricultural District, or more than 10 	Part I Question(s) E2c, E3b E1a, Elb E3b	small impact may occur	to large impact may occur
 b. The proposed action may sever, cross or otherwise limit access to agricultural land (includes cropland, hayfields, pasture, vineyard, orchard, etc). c. The proposed action may result in the excavation or compaction of the soil profile of active agricultural land. d. The proposed action may irreversibly convert agricultural land to non-agricultural uses, either more than 2.5 acres if located in an Agricultural District, or more than 10 acres if not within an Agricultural District. e. The proposed action may disrupt or prevent installation of an agricultural land 	Part I Question(s) E2c, E3b E1a, Elb E3b E1b, E3a	small impact may occur	to large impact may occur
 b. The proposed action may sever, cross or otherwise limit access to agricultural land (includes cropland, hayfields, pasture, vineyard, orchard, etc). c. The proposed action may result in the excavation or compaction of the soil profile of active agricultural land. d. The proposed action may irreversibly convert agricultural land to non-agricultural uses, either more than 2.5 acres if located in an Agricultural District, or more than 10 acres if not within an Agricultural District. e. The proposed action may disrupt or prevent installation of an agricultural land management system. f. The proposed action may result, directly or indirectly, in increased development 	Part I Question(s) E2c, E3b E1a, Elb E3b E1b, E3a El a, E1b C2c, C3,	small impact may occur	to large impact may occur
 b. The proposed action may sever, cross or otherwise limit access to agricultural land (includes cropland, hayfields, pasture, vineyard, orchard, etc). c. The proposed action may result in the excavation or compaction of the soil profile of active agricultural land. d. The proposed action may irreversibly convert agricultural land to non-agricultural uses, either more than 2.5 acres if located in an Agricultural District, or more than 10 acres if not within an Agricultural District. e. The proposed action may disrupt or prevent installation of an agricultural land management system. f. The proposed action may result, directly or indirectly, in increased development potential or pressure on farmland. g. The proposed project is not consistent with the adopted municipal Farmland 	Part I Question(s) E2c, E3b E1a, Elb E3b E1b, E3a E1 a, E1b C2c, C3, D2c, D2d	small impact may occur	to large impact may occur

9. Impact on Aesthetic Resources The land use of the proposed action are obviously different from, or are in sharp contrast to, current land use patterns between the proposed project and				
a scenic or aesthetic resource. (Part 1. E.1.a, E.1.b, E.3.h.)				
If "Yes", answer questions a - g. If "No", go to Section 10.	Relevant Part I Question(s)	No, or small impact may occur	Moderate to large impact may occur	
a. Proposed action may be visible from any officially designated federal, state, or local scenic or aesthetic resource.	E3h	Ø		
 The proposed action may result in the obstruction, elimination or significant screening of one or more officially designated scenic views. 	E3h, C2b	Ø		
c. The proposed action may be visible from publicly accessible vantage points:i. Seasonally (e.g., screened by summer foliage, but visible during other seasons)ii. Year round	E3h	Z Z		
d. The situation or activity in which viewers are engaged while viewing the proposed	E3h			
action is:	E2q,			
Routine travel by residents, including travel to and from work ii. Recreational or tourism based activities	E1c			
e. The proposed action may cause a diminishment of the public enjoyment and appreciation of the designated aesthetic resource.	E3h	Ø		
f. There are similar projects visible within the following distance of the proposed project: 0-1/2 mile ½-3 mile 3-5 mile 5+ mile	Dia, Eia, Dif, Dig	Ø		
g. Other impacts:		Ø		
		is a	<u>.</u>	
10. Impact on Historic and Archeological Resources The proposed action may occur in or adjacent to a historic or archaeological resource. (Part 1. E.3.e, f. and g.) If "Yes", answer questions a - e. If "No", go to Section 11.) <u>V</u>	YES	
	Relevant Part I Question(s)	No, or small impact may occur	Moderate to large impact may occur	
a. The proposed action may occur wholly or partially within, or substantially contiguous to, any buildings, archaeological site or district which is listed on or has been nominated by the NYS Board of Historic Preservation for inclusion on the State or National Register of Historic Places.	E3e	Ø		
b. The proposed action may occur wholly or partially within, or substantially contiguous to, an area designated as sensitive for archaeological sites on the NY State Historic Preservation Office (SHPO) archaeological site inventory.	E3f	Ø		
c. The proposed action may occur wholly or partially within, or substantially contiguous to, an archaeological site not included on the NY SHPO inventory. Source:	E3g	Z		

d. Other impacts:		Ø	
If any of the above (a-d) are answered "Moderate to large impact may e. occur", continue with the following questions to help support conclusions in Part 3:			
	E3e, E3g, E3f		
integrity.	E3e, E3f, E3g, E1a, E1b		
iii. The proposed action may result in the introduction of visual elements which are out of character with the site or property, or may alter its setting.	E3e, E3f, E3g, E3h, C2, C3		
11. Impact on Open Space and Recreation The proposed action may result in a loss of recreational opportunities or a reduction of an open space resource as designated in any adopted municipal open space plan. (See Part 1. C.2.c, E.1.c., E.2.q.) If "Yes", answer questions a - e. If "No", go to Section 12.	NO) [YES
	Relevant Part I Question(s)	No, or small impact may occur	Moderate to large impact may occur
services", provided by an undeveloped area, including but not limited to stormwater storage, nutrient cycling, wildlife habitat.	D2e, E1b E2h, E2m, E2o, E2n, E2p	Ø	
	C2a, E1c, C2c, E2q	Ø	
	C2a, C2c E1c, E2q	Ø	
d. The proposed action may result in loss of an area now used informally by the community as an open space resource.	C2c, E1c	Ø	
e. Other impacts:			
12. Impact on Critical Environmental Areas The proposed action may be located within or adjacent to a critical environmental area (CEA). (See Part 1. E.3.d) If "Yes", answer questions a - c. If "No", go to Section 13.	✓ NO) [YES
	Relevant Part I Question(s)	No, or small impact may occur	Moderate to large impact may occur
a. The proposed action may result in a reduction in the quantity of the resource or characteristic which was the basis for designation of the CEA.	E3d		
b. The proposed action may result in a reduction in the quality of the resource or characteristic which was the basis for designation of the CEA.	E3d		
c. Other impacts:			0

13. Impact on Transportation The proposed action may result in a change to existing transportation systems. (See Part 1. D.2.j) If "Yes", answer questions a - f. If "No", go to Section 14. YES					
ij les , answer questions a - J. Ij No , go to section 14.	Relevant Part I Question(s)	No, or small impact may occur	Moderate to large impact may occur		
a. Projected traffic increase may exceed capacity of existing road network.	D2j				
b. The proposed action may result in the construction of paved parking area for 500 or more vehicles.	D2j		<u> </u>		
c. The proposed action will degrade existing transit access.	D2j				
d. The proposed action will degrade existing pedestrian or bicycle accommodations.	D2j				
e. The proposed action may alter the present pattern of movement of people or goods.	D2j				
f. Other impacts:		•			
14. Impact on Energy The proposed action may cause an increase in the use of any form of energy. (See Part 1. D.2.k) If "Yes", answer questions a - e. If "No", go to Section 15.					
ij 100 ; unavio queerene u	Relevant Part I Question(s)	No, or small impact may occur	Moderate to large impact may occur		
a. The proposed action will require a new, or an upgrade to an existing, substation.	D2k				
b. The proposed action will require the creation or extension of an energy transmission or supply system to serve more than 50 single or two-family residences or to serve a commercial or industrial use.					
c. The proposed action may utilize more than 2,500 MWhrs per year of electricity.	D2k				
d. The proposed action may involve heating and/or cooling of more than 100,000 square feet of building area when completed.	D1g				
e. Other Impacts:					
15. Impact on Noise, Odor, and Light The proposed action may result in an increase in noise, odors, or outdoor lighting. NO YES (See Part 1. D.2.m., n., and o.) If "Yes", answer questions a - f. If "No", go to Section 16.					
	Relevant Part I Question(s)	No, or small impact may occur	Moderate to large impact may occur		
a. The proposed action may produce sound above noise levels established by local regulation.	D2m	Ø			
b. The proposed action may result in blasting within 1,500 feet of any residence, hospital, school, licensed day care center, or nursing home.	D2m, E1d	Ø			

d. The proposed action may result in light shining onto adjoining properties.	D2n		
e. The proposed action may result in lighting creating sky-glow brighter than existing area conditions.	D2n, E1a	Ø	
f. Other impacts:		Ø	
16. Impact on Human Health The proposed action may have an impact on human health from exposure to new or existing sources of contaminants. (See Part 1.D.2.q., E.1. d. f. g. ar If "Yes", answer questions a - m. If "No", go to Section 17.	nd h.)		YES
y 100 , and not questions at the 25 and 3 go to 20000000000000000000000000000000000	Relevant Part I Question(s)	No,or small impact may eccur	Moderate to large impact may occur
a. The proposed action is located within 1500 feet of a school, hospital, licensed day care center, group home, nursing home or retirement community.	E1d	Ø	
b. The site of the proposed action is currently undergoing remediation.	Elg, Elh	Ø	
c. There is a completed emergency spill remediation, or a completed environmental site remediation on, or adjacent to, the site of the proposed action.	Elg, Elh	☑	
d. The site of the action is subject to an institutional control limiting the use of the property (e.g., easement or deed restriction).	Elg, Elh	Ø	
e. The proposed action may affect institutional control measures that were put in place to ensure that the site remains protective of the environment and human health.	Elg, Elh	Ø	
f. The proposed action has adequate control measures in place to ensure that future generation, treatment and/or disposal of hazardous wastes will be protective of the environment and human health.	D2t	Ø	
g. The proposed action involves construction or modification of a solid waste management facility.	D2q, E1f	Ø	
h. The proposed action may result in the unearthing of solid or hazardous waste.	D2q, E1f	Z	
i. The proposed action may result in an increase in the rate of disposal, or processing, of solid waste.	D2r, D2s	Ø	
j. The proposed action may result in excavation or other disturbance within 2000 feet of a site used for the disposal of solid or hazardous waste.	E1f, E1g E1h	Ø	
k. The proposed action may result in the migration of explosive gases from a landfill site to adjacent off site structures.	E1f, E1g	Ø	
The proposed action may result in the release of contaminated leachate from the project site.	D2s, E1f, D2r	Ø	
m. Other impacts:		Ø	
		l	

17. Consistency with Community Plans The proposed action is not consistent with adopted land use plans. (See Part 1. C.1, C.2. and C.3.)	✓NO	Ш	ES
If "Yes", answer questions a - h. If "No", go to Section 18.			
y 100 ; charter questions in y	Relevant Part I Question(s)	No, or small impact may occur	Moderate to large impact may occur
a. The proposed action's land use components may be different from, or in sharp contrast to, current surrounding land use pattern(s).	C2, C3, D1a E1a, E1b		
b. The proposed action will cause the permanent population of the city, town or village in which the project is located to grow by more than 5%.	C2		
c. The proposed action is inconsistent with local land use plans or zoning regulations.	C2, C2, C3		
d. The proposed action is inconsistent with any County plans, or other regional land use plans.	C2, C2	ם	
e. The proposed action may cause a change in the density of development that is not supported by existing infrastructure or is distant from existing infrastructure.			
f. The proposed action is located in an area characterized by low density development that will require new or expanded public infrastructure.	C4, D2c, D2d D2j		<u> </u>
g. The proposed action may induce secondary development impacts (e.g., residential or commercial development not included in the proposed action)	C2a		
h. Other:			
			<u>_</u>
18. Consistency with Community Character The proposed project is inconsistent with the existing community character. (See Part 1. C.2, C.3, D.2, E.3) If "Yes", answer questions a - g. If "No", proceed to Part 3.	□NO	. ∑ 7	'ES
	Relevant Part I	No, or small	Moderate to large
	Question(s)	impact may occur	impact may
a. The proposed action may replace or eliminate existing facilities, structures, or areas of historic importance to the community.	E3e, E3f, E3g	₩	
b. The proposed action may create a demand for additional community services (e.g. schools, police and fire)	C4	Z	
c. The proposed action may displace affordable or low-income housing in an area where there is a shortage of such housing.	C2, C3, D1f D1g, E1a	Z	
d. The proposed action may interfere with the use or enjoyment of officially recognized or designated public resources.	C2, E3	Ø	
e. The proposed action is inconsistent with the predominant architectural scale and character.	C2, C3	Z	
f. Proposed action is inconsistent with the character of the existing natural landscape.	C2, C3 E1a, E1b E2g, E2h	Z	
g. Other impacts:		Z	



Proposed Water System Improvements

Master Water Improvement Area Map and Plan

Town of Aurora, New York

285 Delaware Avenue Suite 500 Buffalo New York 14202 631106 | Report 1 | February 1, 2016

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Appendix A ECWA Correspondence Dated May 22, 2015

Appendix B Draft ECWA Memorandum of Understanding

Appendix C Water Rate Comparison Table

Appendix D Annual Hydrant Costs

Background and Purpose

The Town of Aurora ("Town") is a rural municipality located southeast of the City of Buffalo in Erie County, New York. According to the 2010 decennial census, the Town (excluding the Village of East Aurora) has approximately 7,760 people residing in approximately 2,879 households. The Town's water system provides a safe and secure source of supply to approximately 95 percent of the properties in the Town. Figure 1.1 shows the location of the existing water system and facilities.

The Town water system consists of 22 separate water districts and two improvement areas that are managed, operated, and maintained by the Town of Aurora, the Town of Elma, or the Erie County Water Authority (ECWA) under a Lease Management Agreement. Table 1.1 presents a summary of existing water districts.

Table 1.1 Summary of Existing Water Districts

District	Management	Supply Source	Total Parcels	Developed Parcels
Water District No. 1 – North	Town	Elma	78	68
Water District No. 1 - South	Town	ECWA	85	84
Water District No. 1 - Extension 1	Town	Elma	94	86
Water District Nos. 2-3-5	Town	Elma	213	211
Water Improvement Area No. 5	ECWA	ECWA	103	87
Water District No. 6	ECWA	ECWA	254	214
Water District No. 6 – Extension 1	ECWA	ECWA	145	126
Water District No. 6 – Extension 2	ECWA	ECWA	82	68
Water District No. 7	Town	ECWA	14	13
Water Improvement Area No. 7	Town	ECWA	151	117
Water District No. 8	ECWA	ECWA	47	43
Water District No. 9	ECWA	ECWA	44	41
Water District No. 10	ECWA	ECWA	472	382
Water District No. 10 – Extension 1	ECWA	ECWA	91	75
Water District No. 10 - Extension 2	ECWA	ECWA	30	25
Water District No. 10 – Extension 4	ECWA	ECWA	41	34
Water District No. 10 – Extension 5	ECWA	ECWA	88	67
Water District No. 11	Town	ECWA	30	30
Water District No. 12	Town	Elma	39	36
Water District No. 14	Town	Elma	27	26
Water District No. 16	ECWA	ECWA	210	181
Water District No. 16 – Extension 1	ECWA	ECWA	66	31
Water District No. 17	Elma	Elma	35	27
Water District No. 18	ECWA	ECWA	1,207	959

Recent and anticipated future capital improvement needs of the system have prompted the Town to consider various alternatives to maintaining a safe and cost effective water supply for its residents. The Town has initiated discussions with the ECWA to determine requirements necessary for ECWA

to take over ownership and management of various water districts so that ECWA would directly serve all water customers in the Town. The benefit to Town districts and residents residing therein of the becoming ECWA Direct Service customers include significant cost savings related to the following:

- ECWA would perform all routine maintenance in all districts, including major and minor capital
 repairs. There would be no increase in water rates for water customers in ECWA leasemanaged districts. Water costs for customers in Town-managed districts would decrease to the
 standard ECWA water rates.
- ECWA would be responsible for meeting all regulatory requirements at no added cost to the Town. This includes improvements, routine water testing, and all other requirements mandated by State and Federal regulatory agencies.
- ECWA would be responsible for all future capital needs, including improvement and
 replacement of facilities when required in order to maintain a safe and secure water supply for
 the Town. The cost of future improvements would not be imposed directly on Town residents
 but would be paid for by ECWA and its entire county-wide customer base.

ECWA is requiring that certain improvements and upgrades to the water system be completed in order for the Town to become a Direct Service customer. The purpose of this Map and Plan is to present information related to the proposed conversion of all Town water districts to ECWA Direct Service. The information presented includes required improvements, associated costs, and estimated charges to residents.

2. Master Water Improvement Area

The Proposed Master Water Improvement Area ("Improvement Area") will encompass all areas of the Town, districts, and properties that currently receive public water supply. The proposed improvements will benefit all customers in the following water districts and improvement area, including out-of-district customers to those districts and improvement area:

ECWA Lease-Managed	<u>Town-Managed</u>
Water Improvement Area No. 5	Water District No. 1 – North
Water District No. 6	Water District No. 1 – South
Water District No. 6 – Extension 1	Water District No. 1 – Extension 1
Water District No. 6 – Extension 2	Water District Nos. 2-3-5
Water District No. 8	Water District No. 7
Water District No. 9	Water Improvement Area 7
Water District No. 10	Water District No. 11
Water District No. 10 - Extension 1	Water District No. 12
Water District No. 10 - Extension 2	Water District No. 14
Water District No. 10 – Extension 4	Water District No. 17 (Managed by Elma)
Water District No. 10 – Extension 5	
Water District No. 16	
Water District No. 16 - Extension 1	
Water District No. 18	

A map of the proposed Improvement Area is attached as Figure 2.1.

3. Proposed System Improvements

3.1 Description of Improvements

The proposed water system improvements will include all work required to facilitate the transfer of assets to ECWA ownership upon completion of the project. The proposed improvements include:

- Piping improvements
- Hydro-pneumatic pump station improvements
- Water storage tank improvements
- Radio read meter installations
- Water system records, inventory and documentation required by ECWA

Figure 3.1 illustrates the location of the proposed improvements. A description of the work associated with the proposed improvements is given below.

3.1.1 Piping Improvements

The proposed water system upgrades include the construction of approximately 8,500 lineal feet of new 8-inch waterline to replace existing undersized pipe, or to replace deteriorated piping. All pipe installations will have a minimum 5-foot cover. Pipe trenches will be bedded with stone or select material in accordance with the pipe manufacturer's installation recommendations and ECWA requirements. Backfill material will be in accordance with the applicable highway agency (Town or County) having jurisdiction at the location of installation.

3.1.2 Hydro-Pneumatic Pump Station Improvements

The proposed water system improvements include the repair/replacement of the Ellis Drive hydropneumatic pump station. ECWA has identified that the underground station is in need of substantial repair to the station floor, piping, and tanks. A detailed structural and mechanical inspection is required to determine if the station is repairable or there is a need for full replacement.

3.1.3 Water Storage Tank Improvements

The proposed water system upgrades include repair and maintenance work to the Emery and Townline Water Storage Tanks. Detailed inspection was completed in 2014 by ECWA as part of an ongoing inspection program. The results of the inspection identified the need for a number of modifications to the Townline Tank. In addition, the inspection recommended that the interiors of both tanks be coated with sealant to extend the useful life of each tank. See Appendix A for ECWA correspondence dated May 22, 2015.

3.1.4 Radio Read Meter and Master Meter Installation

The proposed water system improvements include the installation of approximately 215 radio read meters to replace non-radio read meters. In addition, a master meter and vault will be constructed on Williardshire Road in order to meter water obtained from the Town of Elma for Water District 17.

3.2 Estimated Cost

All proposed improvements will be designed and constructed in accordance with ECWA standards. Upon completion, ECWA will take ownership of all facilities in accordance with the terms of a Memorandum of Understanding between ECWA and the Town. See Appendix B for the Final ECWA Memorandum of Understanding. It should be noted that any and all infrastructure on private property/road will remain under their current management as the ECWA will not assume responsibility or manage private infrastructure.

A summary of the estimated costs to complete all required work is presented in Table 3.1. These estimates are based on the Town competitively bidding all construction work in accordance with New York State General Municipal Law. The table also includes estimated allowances for the costs associated with construction contingency, and securing various required legal, engineering and financial advisor services.

Table 3.1 Estimated Cost of Water System Improvements

Proposed Improvements		Estimated Costs
Piping Improvements		\$1,610,000
Hydro-pneumatic Pump Station		\$200,000
Water Storage Tank Improvements		\$100,000
Radio Read Meter Installations		\$90,000
Water System Records, Inventory and Documentation		\$ <u>100,000</u>
Estimated Construction Related Cost		\$2,100,000
30% CELA (contingency, engineering administrative services)	g, legal, and	\$ <u>630,000</u>
•	Total Estimated Cost	\$2,730,000
	SAY	\$2,750,000

4. Project Financing

The project is anticipated to be financed with a general obligation bond over 30 years with an estimated annual interest rate of 4.00 percent. The total annual cost (principal and interest) associated with the Bond is estimated at \$158,224. A summary of the financing and the estimated annual tax payment for a typical single-family household is shown in Table 4.1.

The revenue required to meet the annual debt service payment will be recovered by a benefit assessment on all property parcels within the Improvement Area. This includes all developed and undeveloped parcels that will be provided water service or have the potential to access water service in the Town. The total number of developed and undeveloped parcels in the Improvement Area is estimated to be approximately 3,646. Based on the number of parcels, it is estimated that the first year tax rate will be approximately \$44 per parcel.

Table 4.1 Proposed Financing Summary

Description	
Maximum Amount to be Expended	\$2,750,000
Grant Funding and other off-setting Revenue	\$ <u>0</u>
Maximum Amount to be Bonded (30 years at 4.00% interest)	\$2,750,000
Estimated Total Annual Debt Service Payment	\$158,224
Estimated Number of Parcels	<u>3,646</u>
Estimated Annual Parcel Charge	\$44.00

5. ECWA Direct Service User Fees

Property owners within the Improvement Area will be responsible for charges and fees associated with ECWA direct service. These fees and charges include:

- Water Rates
- Hydrant Rental Fees
- · Infrastructure Investment Charge

A description of the charges and fees are given below.

5.1 Water Rates

All properties receiving public water supply are charged based on the volume of water used according to standard ECWA water rates. All current lease-management and direct service customers pay \$3.17 per 1,000 gallons with a minimum quarterly charge based on meter size. There would be no water rate increase for water customers in lease-managed districts. Current water rates for Town-managed districts are higher than the ECWA standard rate and therefore water usage costs would decrease for water customers in Town-managed districts. See Appendix C for a comparison of existing and proposed water rates for each district.

5.2 Hydrant Rental Fees

ECWA levies a fire hydrant rental fee on customers. All current ECWA lease-management districts pay an annual hydrant rental fee of \$160.08 per hydrant. The cost is levied to water district customers via ad valorem parcel tax based on the total assessment for each district. The annual direct service hydrant rental fee is \$229.08 per hydrant. Under direct service, hydrant rental fees would be equalized and the revenue required to meet the annual cost would be recovered by a benefit assessment on all parcels within the Improvement Area. The total number of parcels in the Improvement Area is estimated to be approximately 3,646. Based on the number of parcels, it is estimated the annual cost will be approximately \$43 per parcel. See Appendix D for the annual hydrant costs for each district.

5.3 Infrastructure Investment Charge

ECWA imposes a quarterly infrastructure investment charge of \$19.65 on all meters from the entire ECWA customer base. The revenue generated from this fee is used to fund future capital improvements in order to replace and upgrade infrastructure owned and operated by ECWA. Lease-management customers pay the quarterly charge but do not receive direct benefit from ECWA funded capital improvements in lease-managed districts. Currently, all water districts in the Town are directly responsible for capital improvements in each respective district. Under direct service, the cost of future improvements would not be imposed directly on Town residents through property taxes but would be paid for by ECWA and the entire customer base.

6. Summary

The proposed project will complete the required improvements in order for the Town to transfer ownership of the water system to ECWA and become a direct service customer. However, the total annual impact to a single-family household may vary based on existing water rates, total assessed valuation, number of hydrants, and the current management agreement for each district. The estimated annual impact for a typical single-family house was based on average water usage of 65,000 gallons per year and a mode single-family residential assessment of \$70,000 for all water districts. Figure 4.1 presents the assessment distribution for single-family homes in the Improvement Area. The estimated annual impact for Lease-Managed and Town-Managed Districts are shown in Table 6.1 and Table 6.2.

Table 6.1 Total Estimated Annual Impact for a Single-Family Household (Existing Lease-Managed Customer)

Cost Component	Current Costs	Proposed Costs	Change (+/-)
Construction Financing (Proposed Improvements)	\$0.00	\$44.00	+\$44.00
Water Rate ¹ (Cost of Water)	\$207.00	\$207.00	+\$0.00
Hydrant Rental Fee ² (Fire Protection)	\$28.00	\$43.00	+\$15.00
Infrastructure Investment Charge (Future Improvements)	\$78.60	\$78.60	+\$0.00
Total:	\$313.60	\$372.60	+\$59.00

ECWA water rate is the same for lease-managed and direct service customers. Assume 5/8" meter with a minimum quarterly charge of \$28.53 and a minimum quarterly allowance of 9,000 gallons.

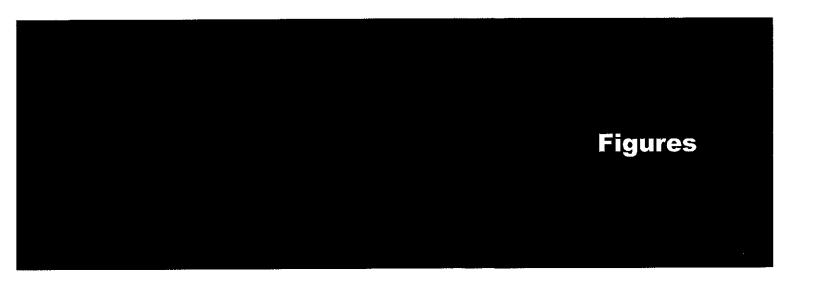
Existing hydrant rental fee based on the average hydrant rental costs for all lease-managed districts.
 Actual cost may vary for each district. See Appendix D for annual hydrant costs.

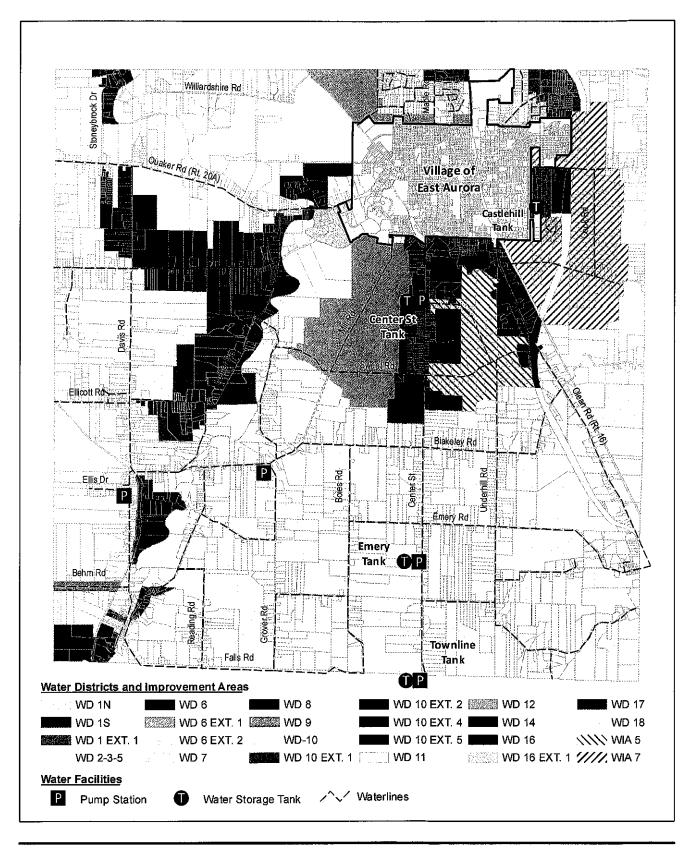
Table 6.2 Total Estimated Annual Impact for a Single-Family Household (Existing Town-Managed Customer)

Cost Component	Current Costs	Proposed Costs	Change (+/-)
Construction Financing (Proposed Improvements)	\$0.00	\$44.00	+\$44.00
Water Rate ^{1,2} (Cost of Water)	\$359.00	\$207.00	-\$152.00
Hydrant Rental Fee ³ (Fire Protection)	\$0.00	\$43.00	+\$43.00
Infrastructure Investment Charge (Future Improvements)	\$0.00	\$78.60	+\$78.60
Total	\$359.00	\$372.60	+\$13.60

- 1. Current cost of water based on an average water rate of \$5.51 for all Town-managed districts. Actual water rate for each district is shown in Appendix B.
- 2. Proposed cost of water assumes ECWA water rate with a 5/8" meter with a minimum quarterly charge of \$28.53 and minimum quarterly allowance of 9,000 gallons.

 Town-managed districts do not have hydrant fees. See Appendix D for annual hydrant costs.
- 3.







Coordinate System: NAD 1983 HARN StatePlane New York West FIPS 3103 Feet



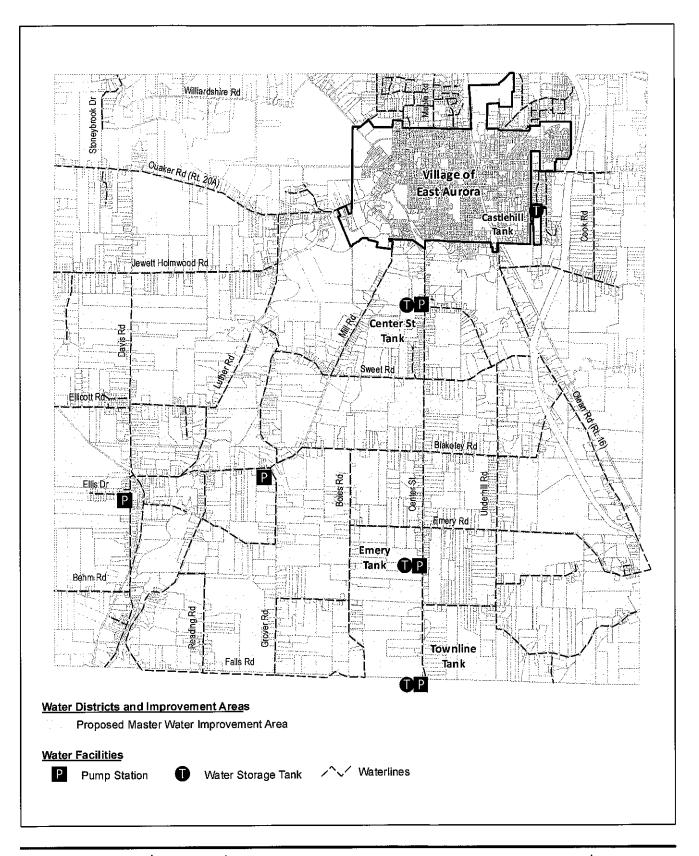


TOWN OF AURORA ERIE COUNTY, NEW YORK

EXISTING WATER
SYSTEM AND FACILITIES

631106 Jan 25, 2016

FIGURE 1.1





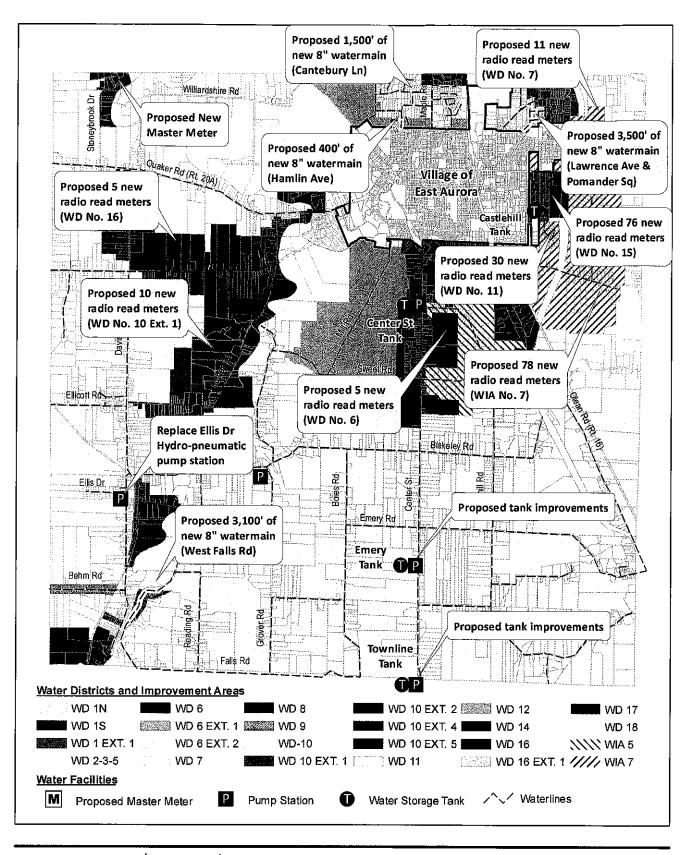
Coordinate System: NAD 1983 HARN StatePlane New York West FIPS 3103 Feet





TOWN OF AURORA ERIE COUNTY, NEW YORK 631106 Jan 25, 2016

PROPOSED MASTER
WATER IMPROVEMENT AREA FIGURE 2.1



0 1,500 3,000 4,500 Feet

Coordinate System: NAD 1983 HARN StatePlane New York West FIPS 3103 Feet



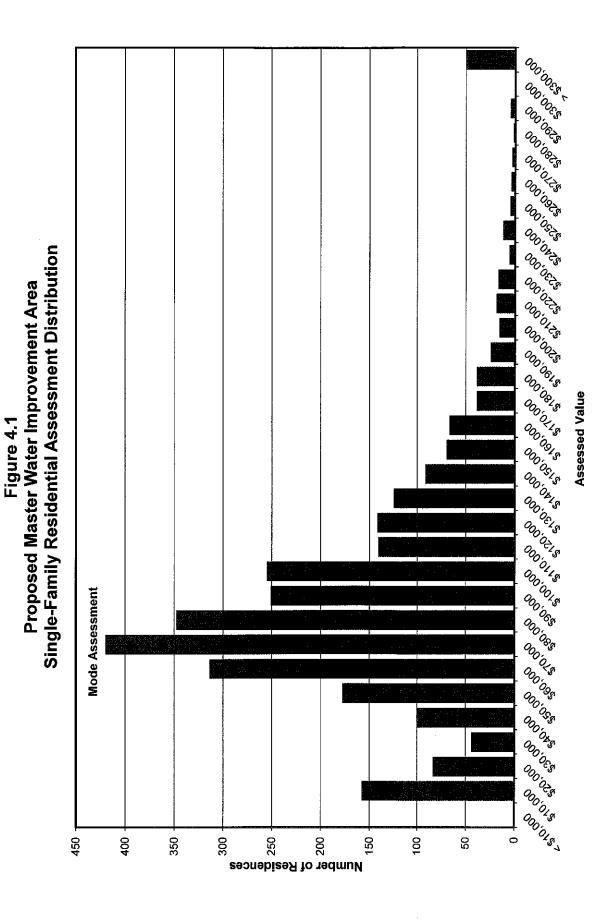


TOWN OF AURORA ERIE COUNTY, NEW YORK

631106 Jan 29, 2016

PROPOSED WATER
SYSTEM IMPROVEMENTS

FIGURE 3.1



Appendices

Appendix A ECWA Correspondence Dated May 22, 2015



Erie County Water Authority

MAY 2 7 2015

TOWN OF AURORA
SUPERVISORS OFFICE

3030 Union Road • Cheektowaga, No. 1927

716-684-1510 • Fax 716-684-3937

May 22, 2015

Mr. James J. Bach, Supervisor Town of Aurora 300 Gleed Avenue East Aurora, New York 14052

Re: Emery Tank
Townline Tank
ECWA Project No. 201200157

Dear Supervisor Bach,

The Erie County Water Authority operates the Emery and Townline Water Storage Tanks under the Lease Management Agreement with the Town. The storage tanks are the property of the Town of Aurora. The Erie County Department of Health has recommended that storage tank be inspected every five years. The Water Authority retained O'Brien & Gere Engineers and Tank Industry Consultants to perform detailed inspections of a number of storage tanks. Both tanks were inspected in 2014 as part of this project.

The interior and exterior surfaces of the Townline Tank were found to be in generally fair to good condition. The Report recommends some repair work and that the tank is re-inspected in three to four years to determine a schedule for re-painting. In addition, several deficiencies were identified including the need for modifications to the ladders, handrails, and roof vent. The estimated construction cost of this work is approximately \$39,000.

The interior and exterior surfaces of the Emery Tank were found to be in generally good condition. The Report recommends some repair work and that the tank is re-inspected in four to five years to determine a schedule for re-painting. In addition, several deficiencies were identified including the need for modifications to the ladders and handrails. The estimated construction cost of this work is approximately \$17,000.

The reports also state that the tank interiors could be coated with a sealant which will extend the life of the tanks. The estimated cost of this work is \$75,000 to \$100,000 for the Townline and Emery Tanks, respectively. This can be assessed further at the time of the next tank inspections.

This capital improvement work is the responsibility of the Town. We recommend that the Town include this in your capital budget planning in the near future. We have been involved in this type of work in the past and are available to provide technical assistance if you desire. Copies of the engineering reports which detail the findings and recommendations are enclosed.

If you have any questions, please do not hesitate to call.

Sincerely yours,

ERIE COUNTY WATER AUTHORITY

Executive Engineer

WCD:RMR:jmf Enclosure

ce: R.Lichtenthal R.Rosenberry

R.Stoll

CONT-OBG-011-1201-I-186-B

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Appendix B Final ECWA Memorandum of Understanding

MEMORANDUM OF UNDERSTANDING

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THIS MEMORANDUM OF UNDERSTANDING is entered into this 29 day of Decam 36. 2015 by and between the TOWN BOARD OF THE TOWN OF AURORA, acting as commissioners for Town Water Districts, in frame, with offices at 300 Gleed Avenue, East Aurora, New York 14052 ("Town") and the ERIE COUNTY WATER AUTHORITY, a public benefit corporation having an office and principal place of business at 295 Main Street, Room 350, Buffalo, New York 14203 ("ECWA").

RECITALS

WHEREAS, the Town has constructed water system facilities in water districts known as Water Districts 1N, 1S, 1-E1, 6, 6-E1, 6-E2, 7, 8, 9, 10, 10-E1, 10-E2, 10-E4, 10-E5, 11, 12, 14, 16, 16-E1, 17, 18, 235, and Water Improvement Areas (WIA) 5 and 7 within the Town of Aurora; and

WHEREAS, the Town has determined that it would be in the best interest of the Town of Aurora to have the ECWA provide water service to all the water districts and water improvement areas in the Town of Aurora as a direct service provider, except as noted herein, thereby eliminating all future involvement and responsibility of the Town with respect to water system facilities except for the payment of direct service hydrant maintenance fees to the ECWA; and

WHEREAS, Water Districts 1N, 1-E1, 12, 14, and 235 are currently provided water service and supply by the Town of Elma on a bulk service basis, and Water District 17 is currently provided water service and supply under a lease management agreement with the Town of Elma; and

WHEREAS, Water Districts 1S, 7, and 11, and WIA 7 are currently provided water service and supply by the ECWA as a bulk customer; and

WHEREAS, Water Districts 6, 6-E1, 6-E2, 8, 9, 10, 10-E1, 10-E2, 10-E4, 10-E5, 16, 16-E1, and 18, and WIA 5 are provided water service and supply by the ECWA pursuant to a Lease Management Agreement dated December 19, 1995, and amended on May 28, 1998 and April 21, 2005 (the "Lease Management Agreement"); and

WHEREAS, the Town under the Lease Management Agreement has a number of obligations with respect to the water lines and other related facilities within Water Districts 6, 6-E1, 6-E2, 8, 9, 10, 10-E1, 10-E2, 10-E4, 10-E5, 16, 16-E1, 18 and WIA 5, including the obligation to pay for capital items as defined in the Lease Management Agreement and to undertake periodic upgrades of water lines and other facilities at the request of the ECWA, while the ECWA has responsibility for maintenance, non-capital repairs, and all billings; and

WHEREAS, the ECWA and the Town understand that the Town will need to undergo a number of legal procedures to authorize the transfer of facilities owned by the Town of Aurora to the ECWA, which procedures will take a considerable period of time; and

WHEREAS, the ECWA and the Town entered into a Memorandum of Understanding on September 18, 2014; and

WHEREAS, the ECWA and the Town understand that further developments necessitate further clarification:

NOW, THEREFORE, the parties do hereby agree as follows:

7.1

- The Town and the ECWA agree that this document supersedes all previous Memorandums of Understanding, including the Memorandum of Understanding between the Town and ECWA of September 18, 2014, unless herein specified.
- 2. The Town will undertake steps required to authorize the transfer of the water system facilities within Water Districts 1N, 1S, 1-E1, 6, 6-E1, 6-E2, 7, 8, 9, 10, 10-E1, 10-E2, 10-E4, 10-E5, 11, 12, 14, 16, 16-E1, 17, 18, 235, and Water Improvement Areas (WIA) 5 and 7, which steps shall be left to the discretion of the Town whether to dissolve all the Water Districts and WIAs with the Town taking over responsibility for them, and then authorizing the Town to transfer those facilities to the ECWA, or creating an overlay district for the purpose of transferring the facilities to the ECWA.
- 3. The ECWA agrees that if the Town undertakes the improvements set forth in Appendix A, and completes the steps necessary to authorize the transfer of the water facilities within Water Districts 6, 6-E1, 6-E2, 8, 9, 10, 10-E1, 10-E2, 10-E4, 10-E5, 16, 16-E1, and 18, and WIA 5 to the ECWA within two years of the date of this MOU, the ECWA will accept the water facilities from the Town and will proceed to undertake service to Water Districts 6, 6-E1, 6-E2, 8, 9, 10, 10-E1, 10-E2, 10-E4, 10-E5, 16, 16-E1, and 18, and WIA 5as a direct service provider.
- The remaining Water Districts and WIA shall be addressed as follows:
 - a. The Town will undertake such steps as are necessary to properly and timely transfer or assign or both, to the ECWA, the agreements with the Town of Elma for service and supply of water for Water Districts 1N, 1-E1, 12, 14, 17, and 235; and
 - b. Upon completion by the Town of the improvements set forth in Appendix A within two years of the date of this MOU, the ECWA shall accept responsibility as a direct service provider for the water facilities within Water Districts 7, 11, 12, 14, 17, 235, and WIA 7; and

c. The ECWA shall administer Water District 1N under a lease management agreement until such time as is practicable for Water District 1N to be in compliance with the improvements set forth in Appendix A; and

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- 5. The schedule of improvements in Appendix A are incorporated by reference as minimum standards unless specifically stated otherwise. 6. The ECWA and the Town agree that the Town shall complete the Additional Infrastructure Improvements set forth in Appendix A as developed by the ECWA, and shall make all good faith efforts to ensure that said improvements are completed in a timely manner, and said entire cost shall be borne by the Town. The ECWA shall have no obligation to make any improvements until title to the Town Water System has been transferred to the ECWA.
- 7. In the event the Town is unable to complete the steps required to transfer title to the above mentioned facilities to the Erie County Water Authority within two years from the date of this MOU, the Erie County Water Authority can require the Town to perform additional waterline replacement work in accordance with the following criteria, prior to the Erie County Water Authority agreeing to accept the water facilities and service the entire Town of Aurora as a direct service provider:
 - a. Any waterline that incurs multiple repairs averaging greater than two repairs per mile per year. The Erie County Water Authority will evaluate these situations periodically based on increments of ½ mile of pipe or greater.
 - b. Any waterline that experiences breakage and repairs, and that the Erie County Water Authority and the Town in good faith determine through physical inspection and testing to be at the end of its serviceable life. If the parties cannot agree as set forth above, an independent third-party shall be mutually selected to make such determination.
 - c. Any waterline that is less than six inches in diameter which has a hydrant connected to it and is discovered after the execution of this MOU, and that was not listed, discussed or known by the parties prior to the execution of the MOU. The parties agree that they will compile a list of any such waterlines which are presently known to the parties prior to the date of the execution of this MOU.
- 8. Where either party is unable, wholly or in part, by reason of force majeure to carry out its obligations under this Memorandum of Understanding, such obligations are suspended so far as they are affected by the force majeure during the continuance thereof; provided that an obligation to pay money is never excused by force majeure. The party affected by the force majeure will give notice to the other party of the particulars of the situation and the probable extent to which it will be unable to, or delayed in, performing its obligations under this Memorandum of Understanding, within 10 days after the occurrence of the force majeure. For purposes of this section, "force majeure" means an act of God, strike,

lockout or other interference with work, war declared or undeclared, blockade, disturbance, lightning, fire, earthquake, storm, flood or explosion; governmental or quasi-governmental restraint action, expropriation, prohibition, intervention, direction or embargo; unavailability or delay in availability of equipment or transport; inability or delay in obtaining governmental or quasi-governmental approvals, consents, permits, licenses, authorities or allocations; and any other cause whether of the kind specifically enumerated above, or otherwise which is not reasonably within the control of the party affected.

- 9. The ECWA shall undertake its obligations as provided for in this Agreement upon the Town's commitment to review its current water district taxing formula and consider revisions to the taxing formula, to the extent legally and economically feasible, to address the outstanding debt service costs for its water districts.
- 10. The Town shall provide an inventory of the system as follows:

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- Total miles and the historical cost or net book value of pipe by size and the average age of the total inventory, and;
- b. Total number of hydrants and the historical cost or net book value and the average age of the total inventory, and;
- c. Total number of large valves (typically 4" or larger) and the historical cost or net book value and average age of the total inventory. In lieu of the average age of the various inventories, the average remaining useful life at the time it was recorded is sufficient, and;
- d. Upon request, the Town shall provide to ECWA all documentation possessed by the Town that reflects investment, work, maintenance, capital improvement, and any other information associated with its water supply and distribution system being transferred to ECWA. The Town shall preserve all documents now in existence and referenced above until such request.
- 11. The parties agree that due to the legal proceedings required to be undertaken by the Town prior to performing the improvements and dissolving the various water districts of the Town, certain of which actions will be subject to permissive referendum, the Town cannot guaranty that it will be in a position to complete the work required and to authorize the transfer. On this basis, the Town will be under no legal obligation to transfer the water system facilities to the ECWA and the ECWA will have no obligation to accept the transfer of the water system facilities, unless the Town completes all steps necessary to authorize the transfer within three years following the date of this Memorandum of Understanding, unless the date is extended due to extenuating circumstances and upon the mutual agreement of both parties.

IN WITNESS WHEREOF, the parties have hereunto set their hands and seals as of the date first above written, as follows:

ERIE COUNTY WATER AUTHORITY

TOWN BOARD OF THE TOWN OF AURORA

By Earl L. Jann Chairman

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James J. Bach Supervisor

APPENDIX A

TOWN OF AURORA

ECWA REQUIREMENTS FOR TOWN WATER DISTRICTS

- 1. West Falls Road: Replace 3000 LF (three thousand linear feet) of 8" (eight inch) main from Bridge Street to No. 523.
- 2. <u>Inventory</u>: provide a complete and comprehensive inventory of water system, including the bulk service area, regarding hydrants, pipe sizes, and appurtenances that must meet standards as set forth in Appendix B.
- 3. <u>Private Roads</u>: resolution of private road issues regarding transition to service by ECWA must be resolved to ECWA satisfaction.
- 4. Ellis Drive: Replace hydro-pneumatic pump station.

. . . .

- 5. <u>Cantebury Lane</u>: Replace 800 LF (eight hundred linear feet) of 8" (eight inch) water main as recommended in CRA's 6/23/15 M&P.
- 6. Hamlin Avenue: Replace 400 LF (four hundred linear feet) of 8" (eight inch) water main as recommended in CRA's 6/23/15 M&P.
- 7. <u>Lawrence Avenue & Pamander Square</u>: Replace 3200 LF (three thousand two hundred linear feet) of 8" (eight inch) water main as recommended in CRA's 6/23/15 M&P.
- 8. <u>Emery Tank</u>: Complete modifications to ladders and handrails as outlined in O'Brien and Gore Engineers Inc. report dated October 15, 2014.
- 9. <u>Townline Tank</u>: Complete modifications to ladders and handrails as outlined in O'Brien and Gore Engineers Inc. report dated October 15, 2014.
- 10. New Radio Read Meters: Install Radio Read Meters as follows:
 - a. WD #16 5
 - b. WD #10 Ext 1 10

c. WD #7 - 11

d. WD #15 - 76

e. WD #11 - 30

f. WD #6 - 5

g. WD #7 - 78

Appendix C Water Rate Comparison Table

Appendix C Water Rate Comparison Table

District	Current Water Rate (per 1,000 gal.)	ECWA Water Rate (per 1,000 gal.)
Water District No. 1 – North	\$4.7 1	\$3.17
Water District No. 1 – South	\$6.90	\$3.17
Water District No. 1 – Extension 1	\$4.71	\$3.17
Water District Nos. 2-3-5	\$4.71	\$3.17
Water Improvement Area No. 5	\$3.17	\$3.17
Water District No. 6	\$3.17	\$3.17
Water District No. 6 – Extension 1	\$3.17	\$3.17
Water District No. 6 – Extension 2	\$3.17	\$3.17
Water District No. 7	\$6.90	\$3.17
Water Improvement Area No. 7	\$6.90	\$3.17
Water District No. 8	\$3.17	\$3.17
Water District No. 9	\$3.17	\$3.17
Water District No. 10	\$3.17	\$3.17
Water District No. 10 – Extension 1	\$3.17	\$3.17
Water District No. 10 – Extension 2	\$3.17	\$3.17
Water District No. 10 - Extension 4	\$3.17	\$3.17
Water District No. 10 – Extension 5	\$3.17	\$3.17
Water District No. 11	\$6.90	\$3.17
Water District No. 12	\$4 .71	\$3.17
Water District No. 14	\$4.71	\$3.17
Water District No. 16	\$3.17	\$3.17
Water District No. 16 – Extension 1	\$3.17	\$3.17
Water District No. 17	\$3.95	\$3.17
Water District No. 18	\$3.17	\$3.17

Appendix D Hydrant Rental Fee Impact Table

District	Hydrants	Total Assessment	Current ECWA Hydrant Fee	ECWA Direct Service Hydrant Fee
Water District No. 1 - North	14	\$5,435,000	\$0	\$3,207
Water District No. 1 – South	10	\$12,261,000	\$0	\$2,291
Water District No. 1 – Extension 1	8	\$12,887,000	\$0	\$1,833
Water District Nos. 2-3-5	22	\$24,501,000	\$0	\$5,040
Water Improvement Area No. 5	25	\$14,566,000	\$4,002	\$5,727
Water District No. 6	27	\$39,001,000	\$4,322	\$6,185
Water District No. 6 – Extension 1	28	\$20,386,000	\$4,482	\$6,414
Water District No. 6 – Extension 2	13	\$11,028,000	\$2,081	\$2,978
Water District No. 7	8	\$1,079,000	\$0	\$1,833
Water Improvement Area No. 7	17	\$19,232,000	\$0	\$3,894
Water District No. 8	6	\$8,566,000	\$960	\$1,374
Water District No. 9	6	\$9,234,000	\$960	\$1,374
Water District No. 10	71	\$42,743,000	\$11,366	\$16,265
Water District No. 10 – Extension 1	13	\$13,003,000	\$2,081	\$2,978
Water District No. 10 – Extension 2	1	\$7,419,000	\$160	\$229
Water District No. 10 – Extension 4	3	\$2,307,000	\$480	\$687
Water District No. 10 – Extension 5	10	\$10,836,000	\$1,601	\$2,291
Water District No. 11	4	\$5,434,000	\$0	\$916
Water District No. 12	5	\$9,009,000	\$0	\$1,145
Water District No. 14	3	\$2,741,000	\$0	\$687
Water District No. 16	40	\$26,834,000	\$6,403	\$9,163
Water District No. 16 – Extension 1	10	\$8,427,000	\$1 ,601	\$2,291
Water District No. 17	7	\$2,104,000	\$0	\$1,604
Water District No. 18	328	\$109,169,000	\$52,506	\$75,138
Total:	679	\$418,202,000	\$93,080	\$155,741

www.ghd.com



A meeting of the Town Board of the Town of Aurora, in the County of Erie, New York, was held at the Town Hall, in said Town, on February 8, 2016.

PRESENT:

Hon. James J. Bach, Town Supervisor
Councilperson
Councilperson
Councilperson

Councilperson -----X

In the Matter of the

Establishment of the Master Water Improvement Area, in the Town of Aurora, County of Erie, New York, pursuant to Article 12-C of the Town Law.

ORDER CALLING PUBLIC
HEARING TO BE HELD ON
FEBRUARY 22, 2016
REGARDING THE PROPOSED
ESTABLISHMENT OF THE MASTER
WATER IMPROVEMENT AREA

WHEREAS, the Town Board of the Town of Aurora (herein called "Town Board" and "Town", respectively), in the County of Erie, New York, has, pursuant to Town Law Article 12-C, caused GHD (the "Engineer"), competent engineers duly licensed by the State of New York to prepare a preliminary map, plan and report for the establishment of the Master Water Improvement Area (the "Water Improvement Area") and the construction of water improvements therein; and

WHEREAS, the Engineer has completed and filed with the Town Board such preliminary map, plan and report and such preliminary map, plan and report is available for public inspection in the Office of the Town Clerk; and

WHEREAS, it is the intention of the Town Board that the proposed establishment of the Water Improvement Area will include all the improvements necessary to facilitate the transfer of water service to the Erie County Water Authority at a future date; and

WHEREAS, such water system improvements project will generally consist of the installation of approximately 8,200 lineal feet of 8-inch waterline, hydro-pneumatic pump station improvements, water storage tank improvements, installation of a new master meter, and installation of approximately 215 radio read meters to replace non-radio meters, as well as other

such improvements as more fully identified in such map, plan and report referred to above, all of the forgoing to include all necessary site work, equipment, apparatus and other improvements and costs incidental thereto and in connection with the financing thereof (collectively, the "Improvement"); and

WHEREAS, the proposed Improvement will benefit the entire proposed Master Water Improvement Area, which area is outside of any incorporated villages and is described as follows:

The Proposed Master Water Improvement Area will encompass all areas of the Town (outside of the Village of East Aurora) that currently receive public water supply. The proposed improvements will benefit all customers in the following water districts and improvement area, including out-of-district customers to those districts and improvement area:

```
Water District No. 1 - North
Water District No. 1 – South
Water District No. 1 – Extension 1
Water District No. 235
Water District No. 6
Water District No. 6 – Extension 1
Water District No. 6 – Extension 2
Water District No. 7
Water District No. 8
Water District No. 9
Water District No. 10
Water District No. 10 – Extension 1
Water District No. 10 – Extension 2
Water District No. 10 - Extension 4
Water District No. 10 – Extension 5
Water District No. 11
Water District No. 12
Water District No. 14
Water District No. 16
Water District No. 16 - Extension 1
Water District No. 17
Water District No. 18
Water Improvement Area No. 5
Water Improvement Area 7
```

(For convenience, the Town will make available on the Town's website, and in the Town Clerk's office, a detailed listing of the properties included within the Master Water Improvement Area.) WHEREAS, the Engineer has estimated the total cost of the Improvement to be \$2,750,000; said cost to be financed by the issuance of serial bonds of the Town in the aggregate amount of \$2,750,000, offset by any federal, state, county and/or local funds received; and

WHEREAS, the Town has complied with applicable federal, state and local laws and regulations regarding environmental matters, including compliance with the New York State Environmental Quality Review Act ("SEQRA"), comprising Article 8 of the Environmental Conservation Law and, in connection therewith, duly issued a negative declaration and/or other applicable documentation, and therefore, no further action under the State Environmental Quality Review Act is necessary; and

NOW, THEREFORE, BE IT ORDERED, that a meeting of the Town Board of the Town be held at the Town Hall, East Aurora, New York, on February 22, 2016, at _____ o'clock P.M. (Prevailing Time) to consider the establishment of the proposed Master Water Improvement Area and the construction of the improvement therein, and to hear all persons interested in the subject thereof, concerning the same and for such other action on the part of the Town Board with relation thereto as may be required by law; and be it

FURTHER ORDERED, the estimated maximum amount proposed to be expended for the construction of the Master Water Improvement Area shall be financed by the issuance of serial bonds of the Town in an aggregate amount not to exceed \$2,750,000, said amount to be offset by any federal, state, county and/or local funds, and unless paid from other sources or charges, the costs of said establishment shall be paid by the assessment, levy and collection of special assessments from the several lots and parcels of land within the proposed Master Water Improvement Area, which the Town Board shall determine and specify to be especially benefited thereby, so much upon and from each as shall be in just proportion to the amount of benefit conferred upon the same, to pay the principal of and interest on such bonds or notes as the same shall become due and payable, except as provided by law; and be it

FURTHER ORDERED, that the Town Clerk publish at least once in the newspaper designated as the official newspaper of the Town for such publication, and post on the sign board of the Town maintained pursuant to subdivision 6 of Section 30 of the Town Law, a copy of this Order, certified by said Town Clerk, the first publication thereof and said posting to be not less than ten nor more than 20 days before the date of such public hearing.

DATED: February 8, 2016

TOWN BOARD OF THE TOWN OF AURORA

The adoption of the foregoing Order Calling for Public Hearing was duly put to a vote on roll call, which resulted as follows:

town

K k 0

TOWN OF AURORA

Southside Municipal Center

300 Gleed Avenue, East Aurora, NY 14052 www.townofaurora.com

TOWN COUNCIL MEMBERS

January 22, 2016

Susan A. Friess sfriess@townofaurora.com

Jeffrey T. Harris jharris@townofaurora.com

To: Town Board Members

Jolene M. Jeffe jjeffe@townofaurora.com

Charles D. Snyder csnyder@townofaurora.com

I respectfully request the Town Board approve sandblasting and painting of 3 snow-plow truck dump bodies. I have obtained the following 3 quotes to have this done. They are all quoted per unit.

SUPT. OF HIGHWAYS David M. Gunner (716) 652-4050 highway@townofaurora.com

Hillcrest Coatings-\$3000.00 Colden Enterprises-\$5883.50 K&M Sandblasting- Declined to quote

SUPT, OF BUILDING Patrick J. Blizniak (716) 652-7591 building@townofaurora.com

This will be paid for out of DB5142.433

ASSESSOR Richard L. Dean assessor@townofaurora.com

(716) 652-0011

DIR. OF RECREATION Peggy M. Cooke (716) 652-8866 peggy@townofaurora.com

David M. Gunner

Sincerely,

Superintendent of Highways

TOWN ATTORNEY Ronald P. Bennett

> TOWN JUSTICE Douglas W. Marky Jeffrey P. Markello

HISTORIAN Robert L. Goller (716) 652-7944 historian@townofaurora.com

FAX: (716) 652-3507



Specializing in Abrasive Manufacturing; Industrial Sandblasting and Painting

> 40 Favor Street, Attica, NY 14011 Phone: (585)591-1182 Fax: (585)591-1188

Town of Aurora Highway Dept. ATTN: Highway Superintendent DGUNNER@townofaurora.com January 22, 2016

(3) 10' Plow Truck Dump Bodies

Hillcrest will perform the following on the dump bodies:

- Prep: Remove any lights, tags, boards, ect. that are mounted on body. Protect tarp if present.
- Sandblasting: All surfaces to be blasted to SSPC-SP6 producing a 1.5-2.0 mil profile.
- Zinc Enriched Primer: All surfaces to be coated with Dimetcoat 302H with a 2-3 mil DFT
- Epoxy Primer: All surfaces to be primed using PPG Amercoat 370 epoxy primer at 2-4 mils DFT.
- <u>Top Coat</u>: Surfaces will be top coated using PPG AUE-370 Polyurethane top coat, 1.5-3 mils DFT. (Final coat to match existing body color)
- Final Assembly: Reinstall anything removed and insure everything is service ready.

Pricing per truck:

Blast, prime and paint: \$2,500.00

Blast, zinc, prime, and paint: \$3,000.00

Thanks for the opportunity to quote these items for you. If there is anything we can do, please don't hesitate to call.

Best regards,

Derek Kirsch Hillcrest Coatings Cell: 716-462-8536 derekkirsch@gmail.com



COLDEN ENTERPRISES, INC

Authorized Spartan ERV Dealer www.coldenenterprises.com

Estimate # 75808

Date 01/22/16

750 ONTARIO STREET KENMORE, NY 14217 716-875-7631

Salesman MICHAEL GRISANTI

AURORA, TOWN OF, DAVID GUNNER

251 QUAKER RD.

EAST AURORA, NY 14052

Home Ph DAVE'S CELL#716-983-0313

Work Ph 716-652-4050

Unit # 328

Year 08

Make INTER.

Model 7600/DUMP

License

VIN #

1HTWZAHR69J114488

Mileage 11620

	Part #	Estimate \$ Ho	ours F	aint
1	******DUMP BODY IS 10'LONG WITH 42" SIDES*****	0.00	0.0	0.0
2	*****CUSTOMER TO DROP OFF AND PICKUP UNIT****	0.00	0.0	0.0
3	*******CUSTOMER TO REPLACE REFLECTIVE******	0.00	0.0	0.0
4	**CUSTOMER TO REMOVE SALTER & SIDE BOARDS**	0.00	0.0	0.0
5	THE BELOW PRICE IS PER UNIT, APPLIES TO UNIT #328,	0.00	0.0	0.0
6	,326,324. ONLY THE REAR BODY EXTERIOR AND	0.00	0.0	0.0
7	UNDERSIDE TO BE REFINISHED.	0.00	0.0	0.0
8	*	0.00	0.0	0.0
9	STEAM CLEAN FOR SANDBLASTING	0.00	2.0	0.0
10	R & I ALL LIGHTS	0.00	3.0	0.0
11	REMOVE DOT REFLECTIVE STRIPPING	0.00	0.5	0.0
12	PREP. UNIT FOR SANDBLASTING	0.00	2.0	0.0
13	COVER TO PROTECT CAB AND CHASSIS	0.00	2.0	0.0
14	SANDBAST COMPLETE REAR BODY TO	0.00	0.0	0.0
15	INCLUDE CAB SHIELD, GATE AND UNDERSIDEG	0.00	24.0	0.0
16	CLEAN AND REMOAVE SAND FROM BOX AND FRAME	0.00	2.0	0.0
17	EPOXY PRIME COMPLETE REAR BODY	0.00	0.0	8.0
18	REFINSH WITH RED URATHANE PAINT	0.00	0.0	8.0
19	REFINISH UNDERSIDE BLACK	0.00	0.0	0.0
20	SAND AND SAND DISPOSAL-S	600.00	0.0	0.0
21	SHOP RELATED MATERIALS -R	75.00	0.0	0.0
22	REFINSH RELATED MATERIALS-Y	1230.00	0.0	0.0
23	COVER FOR OVERSPRAY	20.00	1.0	0.0
24	HAZARDOUS WASTE-H	24.00	0.0	0.0
25	*****INTERN. COLOR CODE 2023 RED****	0.00	0.0	0.0
26	PLEASE NOTE:	0.00	0.0	0.0
27	THIS DOCUMENT IS AN "ESTIMATE" OF	0.00	0.0	0.0
28	APPROXIMATE COSTS FOR THESE SERVICES.	0.00	0.0	0.0
29	COLDEN ENTERPRISES CANNOT BE HELD	0.00	0.0	0.0

EST #7	5808			Part	#	Estimate \$ How	ırs Paint
30 RES	SPONSIBLE F	OR ADDITION	NAL COSTS R	ELATED		0.00	0.0 0.0
31 TO	CONCEALED	ITEMS REVE	ALED AT THE	TIME OF		0.00	0.0 0.0
32 PEF	RFORMING TH	E ABOVE ST	ATED REPAIR	S AND ANY		0.00	0.0 0.0
33 CR <i>I</i>	ATING OR FR	EIGHT CHAR	GES INCURRE	D.		0.00	0.0 0.0
LABOR	EstHrs	Rate	Est \$	ITEMS_	Estimated \$_		Totals
Paint	16.0	@85.00	1360.00	Parts	20.00	,	
Body	12.5	085.00	1062.50	Paint Mat	75.00		
Mech	0.0	085.00	0.00	Body Mat.	1230.00		
Frame	0.0	@130.0	0.00	Haz Waste	24.00		
Sandbl	24.0	@63.00	1512.00	Sublet	600.00		
Detail	0.0	@85.00	0.00	LKQ	0.00		
Fire	0.0	@85.00	0.00	Towing	0.00		. 003 .
-		_		NYSI	0.00	Est SubTotal	5,883.50
Total	52.5		3934.50	Fire	0.00		
				Rental	0.00	Tax 8.75%	0.00
Paint Material Material 0.00		Misc Tax	0.00				
rain	t Material	material	0.00	New truck	0.00		
				Total Items	1949.00	Grand Total	5,883.50





TOWN OF AURORA

Southside Municipal Center 300 Gleed Avenue, East Aurora, NY 14052 www.townofaurora.com

COMMERCIAL TENANT APPLICATION

(Please print)

	Date: <u>3/1//6</u>		
APPLICANT OR LEASING ENTITY (Name of individua	al, partnership or corporation):		
S.M.R. Coms In	C		
Corporation: Articles of Incorporation must be pre Partnership: Partnership Agreement must be pro	ovided.		
CURRENT CORPORATE HEADQUARTERS/HOME AD (Do not use P.O. Box)	DDRESS (For partnership/individuals)		
67 Delevion Are			
Delever 141 14042			
CORPORATE PHONE #	HOME PHONE #		
STATE OF INCORPORATION NY	FORMATION		
DBA Home Helpers / Digest Link	LOCAL PHONE #		
FULL DESCRIPTION OF INTENDED USE BUSSIANS	office, Intorviews, Staff Training.		
PRESENT BUSINESS ADDRESS			
67 Delevon Are	YEARS AT THIS LOCATION O		
Delever NY 14042	NUMBER OF EMPLOYEES WATER SON 3		
NUMBER OF PARKING SPACES NEEDED 3	ANY OVERNIGHT PARKING? NO		
CURRENT BUSINESS LANDLORD	BANK REFERENCE		
Name None - Currently Running	Bank Contact Name		
Phone # Out of Owner Home	Bank Contact Phone #		



TOWN OF AURORA

Southside Municipal Center

300 Gleed Avenue, East Aurora, NY 14052 www.townofaurora.com

To:

Aurora Town Board

From:

Martha Librock for Laura Landers

Date:

February 5, 2016

Re:

2015 Budget Amendment

In order to close out the Luther Road culvert capital project, the following budget amendment is required:

Increase DB 9901.900 interfund transfers

\$34,699.66

The source of funding is DB 917 Unassigned Fund Balance

In 2012 and 2013 the BAN principal was charged to the Capital project fund (IA) instead of the Highway Fund (DB). In 2013 BAN interest was charged to the Capital project fund (IA) instead of the Highway Fund (DB).



TOWN OF AURORA

Southside Municipal Center

300 Gleed Avenue, East Aurora, NY 14052 www.townofaurora.com

To:

Aurora Town Board

From:

Martha L. Librock, Town Clerk

Date:

February 5, 2016

Re:

Oath of Office/Oath Cards - not filed

The following persons who were appointed at the 2016 Organizational Meeting to various Town boards and/or committees did not file their oath cards by the January 30, 2016 deadline, therefore the positions are considered vacant:

<u>Name</u>	Board/Committee	<u>Term</u>
Norm Merriman	Conservation Board	1/1/16 - 12/31/16
Timothy Bailey	Conservation Board	1/1/16 - 12/31/16
Timothy Bailey	Planning Board	1/1/16 - 12/31/22
James Whitcomb	Zoning Board Chairman	1/1/16 - 12/31/16
Scott Wohlheuter	Disaster Advisory Board	1/1/16 - 12/31/16

Please appoint those listed above to fill the vacancies.