

Falls →

746 Falls Rd



WS-2

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

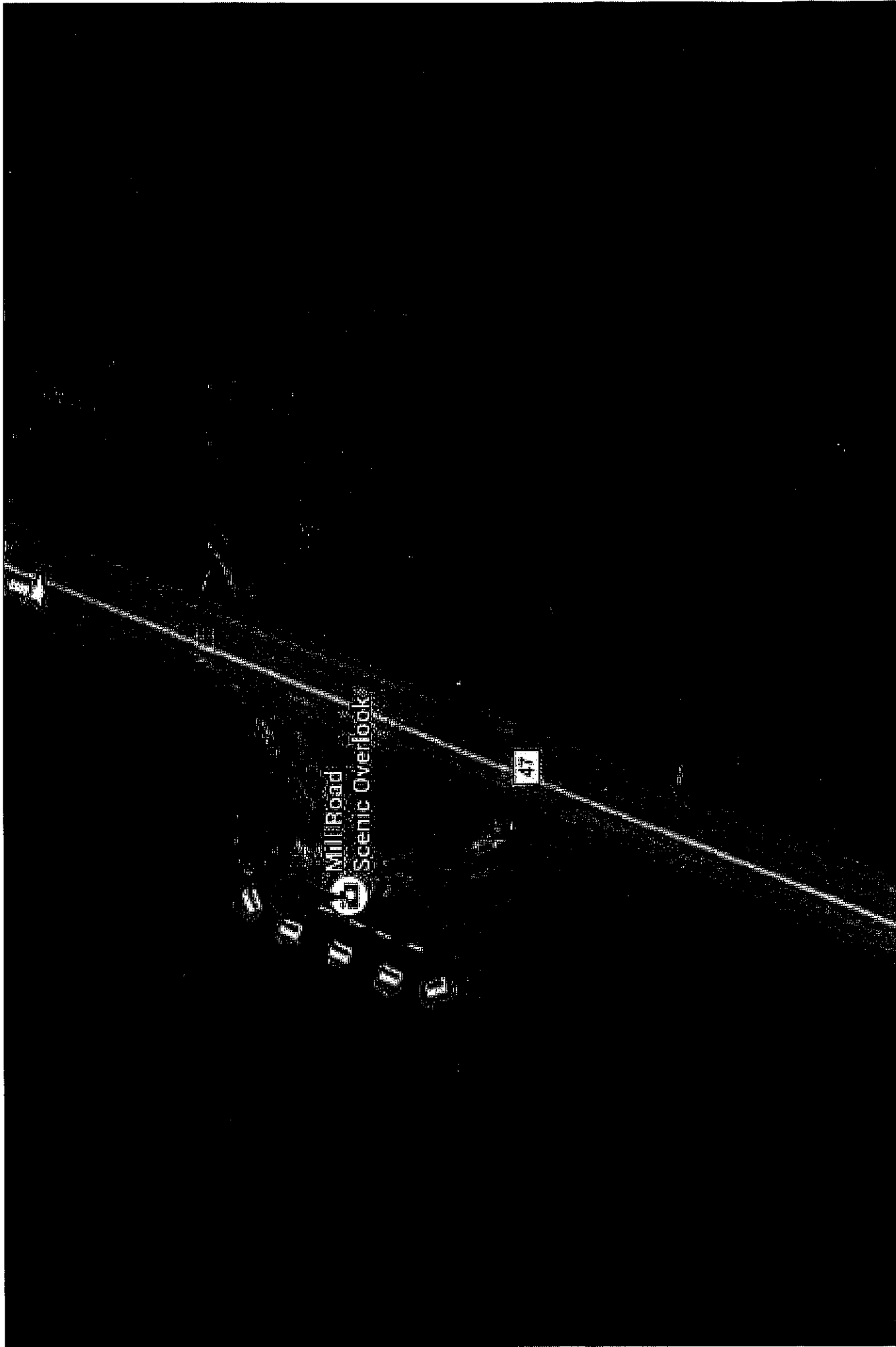
To: Aurora Town Board

From: Martha Librock, Town Clerk

Date: June 16, 2016

Re: Use of Mill Road Overlook for wedding ceremony

A Town resident has inquired about using the Mill Road Overlook to have his wedding ceremony on August 20, 2016, with approximately 100 people in attendance.



Kathleen Moffat

WS-3

From: Kathleen Moffat
Sent: Wednesday, June 01, 2016 3:26 PM
To: James Bach
Subject: Sensus Meter Reader

Hi Jim,

We have a Sensus handheld water meter reader that was purchased for \$5137.13 in January of 2012 and replaced with a new Neptune water meter reader in January of 2013. We have not used the Sensus since this purchase. The Village of Cuba is considering purchasing the Sensus reader. Let me know your thoughts on the matter.

FYI: the only price I could find for a used reader was on ebay for approximately \$450.00.

Kathleen Moffat
Assistant to the Supervisor
Town of Aurora
(716)652-7590

Beitz Masonry & Construction
1919 Reading Rd
West Falls, NY 14170
716 652-7644

Rec'd 4-6-16

WS-4

April 4, 2016

Town of Aurora
Attn: Mike Bove
300 Glead Ave
East Aurora, NY 14052

Proposal

West Falls Library
Chimney Repair

Grind out all mortar joints on chimney and tuck point with new mortar. Re-lay any loose stone. Point area of stone wall at base of chimney.

All Labor and Material included in price

\$ 4100.00

Rec'd 4-5-16 p. 1

PROPOSAL FORM 25103

REORDER FROM RAPIDFORMS, INC., 301 GROVE ROAD, THOROFARE, N.J. 08086-8496
CALL TOLL FREE 800-257-8364; FAX 800-451-9113

Proposal

Page No. of Pages

fax 652-3507



CREATIVE CONCRETE

801 N. DAVIS RD.
ELMA, NY 14059
(716) 652-1110

PROPOSAL SUBMITTED TO <i>town of Aurora Town Clerk</i>	PHONE <i>652-3280</i>	DATE <i>4/5/16</i>
STREET <i>300 Wood Ave.</i>	JOB NAME <i>West Frame Library</i>	
CITY, STATE AND ZIP CODE <i>Castle Aurora, NY 14052</i>	JOB LOCATION	
ARCHITECT	DATE OF PLANS	JOB PHONE

We hereby submit specifications and estimates for:

*Repair work to chimney
Remove all loose mortar around chimney
from flashing - up*

*Re-tuck point
Curothane caulk around window*

\$16900.00

We propose hereby to furnish material and labor—complete in accordance with above specifications, for the sum of:

dollars (\$ _____)

Payment to be made as follows:

All material is guaranteed to be as specified. All work to be completed in a workmanlike manner according to standard practices. Any alteration or deviation from above specifications involving extra costs will be executed only upon written orders, and will become an extra charge over and above the estimate. All agreements contingent upon strikes, accidents or delays beyond our control. Owner to carry fire, tornado and other necessary insurance. Our workers are fully covered by Workmen's Compensation insurance.

Authorized Signature _____

Note: This proposal may be withdrawn by us if not accepted within _____ days.

Acceptance of Proposal - The above prices, specifications and conditions are satisfactory and are hereby accepted. You are authorized to do the work as specified. Payment will be made as outlined above.

DATE OF ACCEPTANCE _____

SIGNATURE _____

SIGNATURE _____

4-14-16 Jack Rosenberg called
and declined to bid on project

Gerry Gerkin - did not respond/reply
to request for quote



**Town of Aurora
Department of Parks & Recreation**

300 Glead Avenue
East Aurora, New York 14052

recreation

WS-5

To: Town Board
From: Elaine Schiltz
Date: 6/16/16
Re: Summer Employment

Approval is requested to hire Matt Boss for our summer sports recreation programs.

Matt Boss 236 Porterville Rd, EA Sports attendant New 1st year \$9.00

Jim,
Could this possibly be approved at the town work session? I was hoping he could start work on June 22nd. Thanks, Elaine



**Town of Aurora
Department of Parks & Recreation**

300 Gleed Avenue
East Aurora, New York 14052

WS-6

652-8866
652-5646

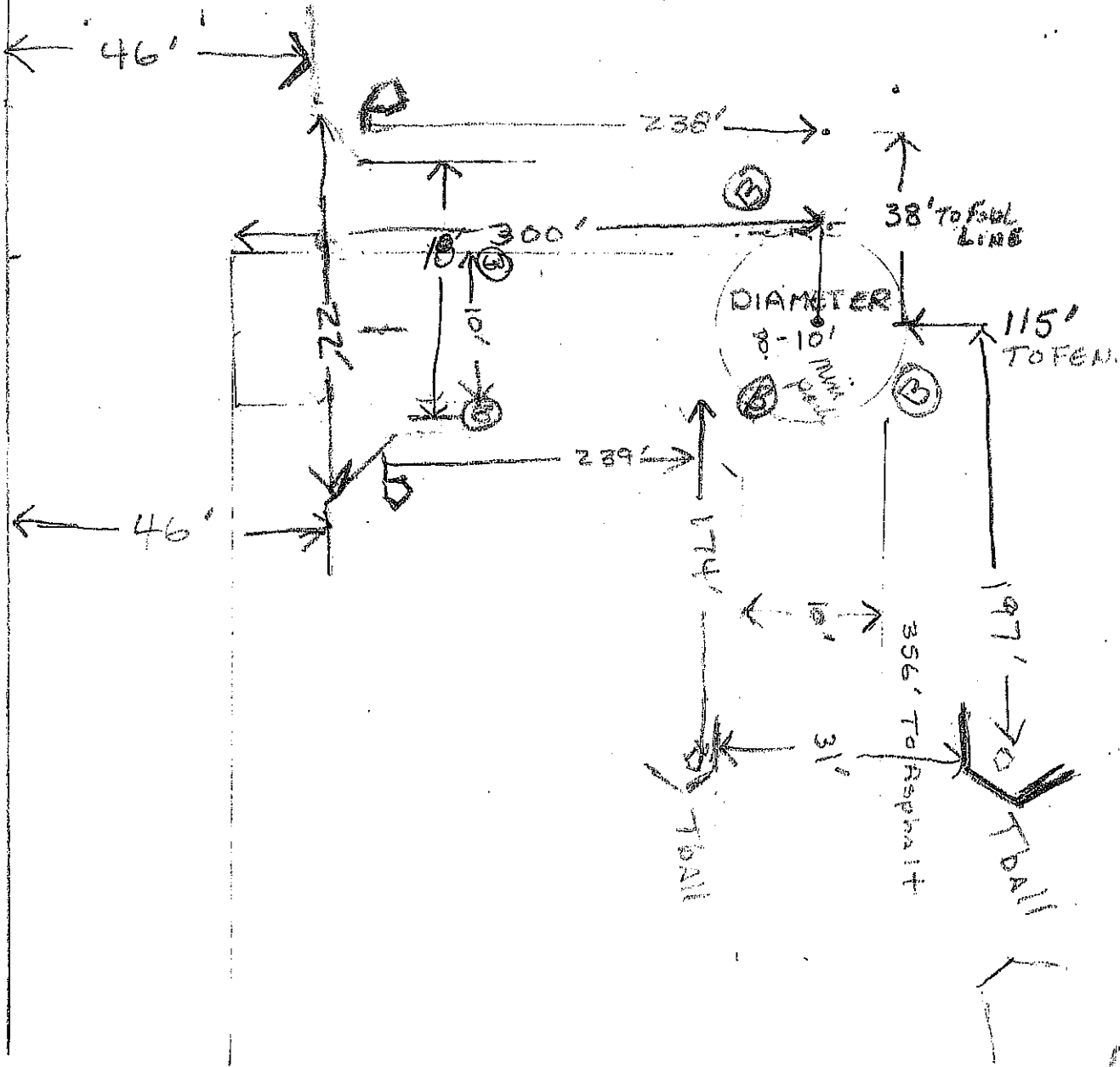
recreation@townofaurora.com
www.aurorarec.com

To: Town Board
From: Chris Musshafen
Date: 6/15/16
Re: Flagpole Installation

The Baseball Commission is seeking for approval for the installation of a flagpole at Community Pool Park. The flagpole will be donated by Ace Flag and the flag has been donated by Chris Collins and had previously flown over the capital building.

HURORA OUTFITTERS FIELD

GLEED PARKING AREA



Not to Scale

Pool



Ace Flagpole Company

5444 Hempfl. Rd., Babylon, New York 11723-3225
716-696-0261 Toll Free: 1-800-808-8102
Toll Free Fax: 1-866-808-8102

Attn: Davis

June 1, 2016

Town of Aurora

We appreciate the opportunity to submit this quotation. We are pleased to present this quotation subject to the following conditions. We are quoting without the benefit of drawings and we take no responsibility for any discrepancies.

Specifications:

- 35' exposed height flagpole ESR35
- Fiberglass flagpole
- Gold anodized aluminum ball
- Single revolving truck assembly with stainless steel bearings
- #10 waterproof braided polypropylene halyard
- Stainless steel snap hooks (qty 2)
- Neoprene snap covers
- 9" Cast aluminum cleat
- Spun aluminum collar
- Galvanized ground sleeve
- Manufactured by American Flagpole

Flagpole cost: \$500.00

Installation: Tip-in only, sleeve and foundation by others: N/C

Value of pole new: \$2,000.00

Submitted by _____
Sandy Bauerschmidt
Ace Flagpole Company

Ace Flagpole is a WBE certified business in NYS

CHRIS:

CALL DAVE GUNNER ABOUT How this will
work. Project would be no cost.

SUPERVISOR
James J. Bach
(716) 652-7590
jbach@townofaurora.com



towncl

WS-7

TOWN OF AURORA
Southside Municipal Center
300 Glead Avenue, East Aurora, NY 14052
www.townofaurora.com

TOWN COUNCIL MEMBERS

Susan A. Friess
sfriess@townofaurora.com

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jharris@townofaurora.com

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jjeffe@townofaurora.com

Charles D. Snyder
csnyder@townofaurora.com

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highway@townofaurora.com

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building@townofaurora.com

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assessor@townofaurora.com
(716) 652-0011

DIR. OF RECREATION
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(716) 652-8866
chris@townofaurora.com

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Ronald P. Bennett

TOWN JUSTICE
Jeffrey P. Markello
Anthony DiFilippo IV

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

FAX: (716) 652-3507
NYS Relay Number:
1(800) 662-1220

June 17, 2016

To: Town Board Members

3 out of the 12 lights at the community pool tennis court have burned out they are an old halogen bulb that is becoming increasingly difficult to find. I met with Scott Warning of Warning electric to come up with costs for their eventual replacement with high efficiency LED lights that will last longer.

The new fixtures would be 1 60k bulb per corner and 3 40k bulbs for the 2 center poles. The cost for total replacement of all of the light fixtures is as follows:

Materials: \$8990.00
Labor: \$4500.00
Total: \$13490.00

If the funds to do the whole project are not available I suggest that we at least change 1 corner fixture this year and start consolidating the remaining bulbs for the other fixtures and just plan on over the coming years replacing as needed.

The cost for doing 1 corner pole this year would be:

Materials: \$935.00
Labor: \$750.00
Total: \$1685.00

Sincerely,

A handwritten signature in black ink, appearing to read "D. Gunner".

David M. Gunner
Superintendent of Highways

Warning Electrical Services

431 Olean Road ■ East Aurora, NY 14052

June 16, 2016

Town of Aurora
300 Gleed Avenue
East Aurora, NY 14052

Re: Hamlin Park Tennis Court Lighting

This estimate is for providing the following:

- Remove existing pole lights, (6) poles, (10) lights total.
- Wire and install customer's new lighting.
- Estimate based on (4) poles with (1) light per pole & (2) poles with (3) lights per pole.
- Estimate based on existing poles being in satisfactory condition.
- Town to provide necessary lift and labor assistance, per discussion.
- Lighting layout, as per attached diagram.

Estimate (Labor & Misc Materials): \$750.00/per pole

NOTE: This estimate is valid for (30) days. Due to unforeseen price increases in raw material, acceptance of this estimate beyond (30) days may require Warning Electrical Service, Inc. to re-evaluate our estimate.

NOTE: All accounts not paid after thirty (30) days will be charged 1.5% carrying charge, 18% annualized. The customer is responsible for collection costs, including reasonable attorney's fees.

NOTE: This estimate is based on us installing customer's fixtures (unless otherwise noted). At time of estimate, fixtures were not available for review. Excessive fixture assembly time (above 30 minutes) will result in additional labor charges.

Payment Plan:

50% deposit required.

Balance due upon completion.

If this estimate is agreed to and accepted, please sign one copy and return to Warning Electrical Services, Inc., along with your deposit.

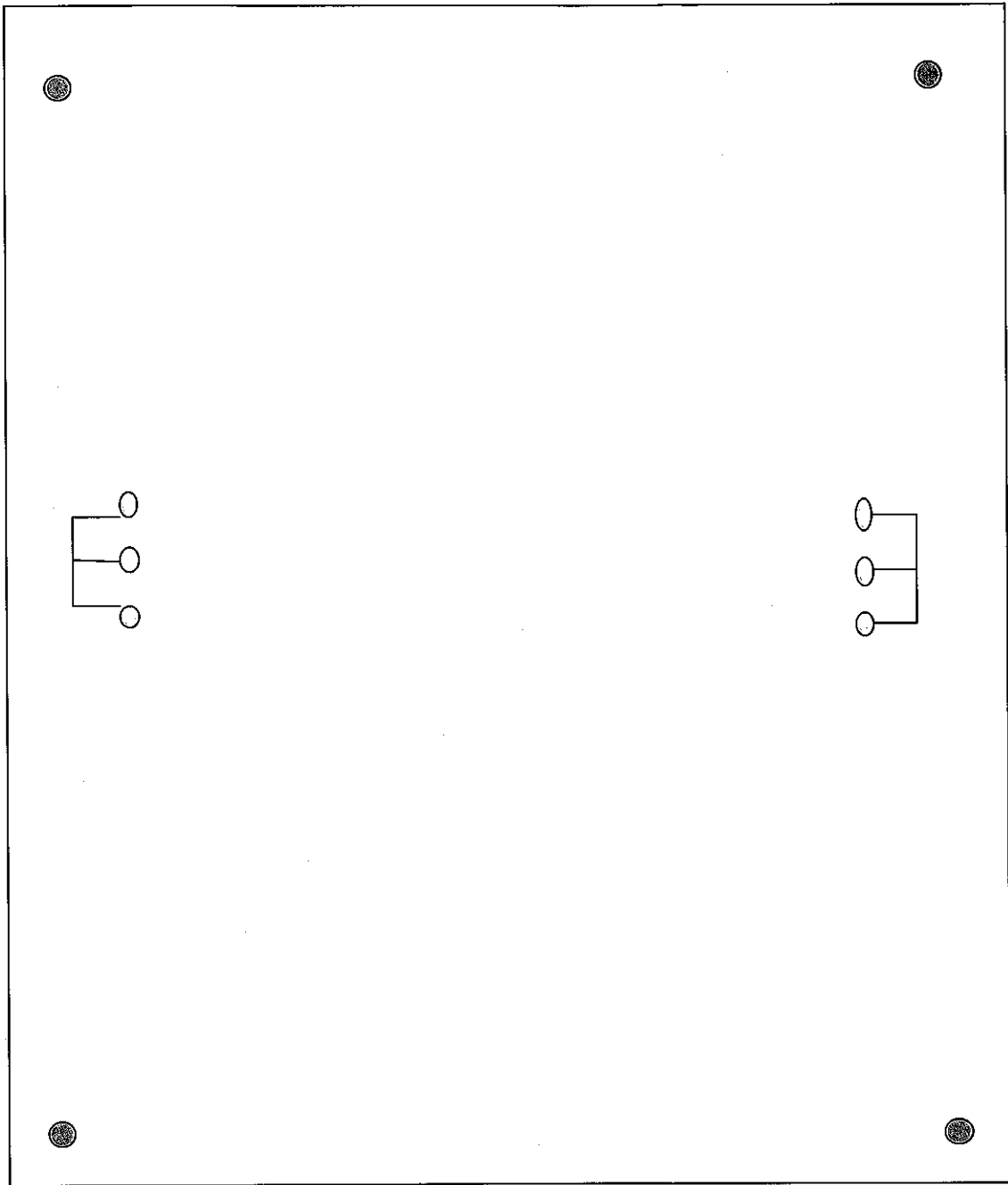
Town of Aurora

Date

Scott Warning, Warning Electrical Services, Inc.

Date

Attached



Corner poles have (1) light OSQ-A-NM-60-S-40K-UL-BZ [60degree flood]

Center poles have (3) lights OSQ-A-NM-WSN-S-40K-UL-BZ [wide sign flood]

OSQ Series

OSQ™ LED Area/Flood Luminaire – Large

Product Description

The OSQ™ Area/Flood luminaire blends extreme optical control, advanced thermal management and modern, clean aesthetics. Built to last, the housing is rugged cast aluminum with an integral, weathertight LED driver compartment. Versatile mounting configurations offer simple installation. Its slim, low-profile design minimizes wind load requirements and blends seamlessly into the site providing even, quality illumination. 'S' and 'T' Input power designators are a suitable upgrade for HID applications up to 750 Watts. 'U' Input power designator is a suitable upgrade for HID applications up to 1000 Watts.

Applications: Parking lots, walkways, campuses, auto dealerships, office complexes, and internal roadways

Performance Summary

NanoOptic® Precision Delivery Grid™ optic

Made in the U.S.A. of U.S. and imported parts

Initial Delivered Lumens: Up to 28,285

Efficacy: Up to 135 LPW

CRI: Minimum 70 CRI (4000K & 5700K; 3000K asymmetric optics); 80 CRI (3000K symmetric optics)

CCT: 3000K (+/- 300K), 4000K (+/- 300K), 5700K (+/- 500K)

Limited Warranty*: 10 years on luminaire/10 years on Colorfast DeltaGuard® finish

* See <http://lighting.cree.com/warranty> for warranty terms

Accessories

Field-Installed

Backlight Shield

OSQ-BLSLF
- Front facing optics
OSQ-BLSLR
- Rotated optics

Hand-Held Remote

XA-SENSREM
- For successful implementation of the programmable multi-level option, a minimum of one hand-held remote is required

Ordering Information

Fully assembled luminaire is composed of two components that must be ordered separately:

Example: **Mount:** OSQ-AA SV + **Luminaire:** OSQ-A-NM-2ME-S-40K-UL-SV

Mount (Luminaire must be ordered separately)

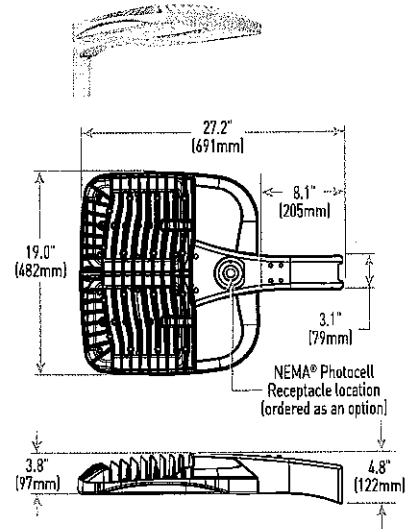
OSQ-	Color Options:	SV Silver	BK Black	BZ Bronze	WH White
OSQ-AA Adjustable Arm					
OSQ-DA Direct Arm					

Luminaire (Mount must be ordered separately)

OSQ	A	NM	Optic	Input Power Designator	CCT	Voltage	Color Options	Options
OSQ	A	NM No Mount	Asymmetric	S	30K	UL	BK	DIM 0-10V Dimming - Control by others - Refer to Dimming spec sheet for details - Can't exceed wattage of specified input power designator F Fuse - When code dictates fusing, use time delay fuse ML Multi-Level - Refer to ML spec sheet for details - High: 100%, Low: 30% - Available with UL voltage only - Intended for downlight applications at 0° tilt PML Programmable Multi-Level, 20-40' - Refer to PML spec sheet for details - Available with UL voltage only - Intended for downlight applications at 0° tilt
			2ME* Type II Medium 4ME* Type IV Medium 3ME* Type III Medium Symmetric 5ME Type V Medium 5SH Type V Short WSN Wide Sign 15D 15° Flood	223W 40K 4000K 215W 57K 5700K T 171W U 215W 40° Flood 60° Flood	120-277V UH Universal 347-480V BK Black BZ Bronze SV Silver WH White			
								PML2 Programmable Multi-Level, 10-30' Mounting Height - Refer to PML2 spec sheet for details - Available with UL voltage only - Intended for downlight applications at 0° tilt Q9 Field Adjustable Output - Refer to Field Adjustable Output spec sheet for details R NEMA® Photocell Receptacle - Intended for downlight applications with maximum 45° tilt - 3-pin receptacle per ANSI C136.10 - Photocell and shorting cap by others RL Rotate Left - LED and optic are rotated to the left RR Rotate Right - LED and optic are rotated to the right

* Available with Backlight Shield when ordered with field-installed accessory (see table above)

DA Mount



Weight

28.5 lbs. (13kg)



Rev. Date: V9 05/25/2016



US: lighting.cree.com/lighting

T (800) 236-6800 F (262) 504-5415

Canada: www.cree.com/canada

T (800) 473-1234 F (800) 890-7507

OSQ™ LED Area/Flood Luminaire – Large

Product Specifications

CONSTRUCTION & MATERIALS

- Slim, low profile design minimizes wind load requirements
- Luminaire housing is rugged die cast aluminum with an integral, weathertight LED driver compartment and high performance heat sink
- Convenient interlocking mounting method on direct arm mount. Mounting adaptor is rugged die cast aluminum and mounts to 3-6" [76-152mm] square or round pole, secured by two 5/16-18 UNC bolts spaced on 2" [51mm] centers
- Mounting for the adjustable arm mount adaptor is rugged die cast aluminum and mounts to 2" [51mm] IP, 2.375" [60mm] O.D. tenon
- Adjustable arm mount can be adjusted 180° in 2.5° increments
- Designed for uplight and downlight applications
- Exclusive Colorfast DeltaGuard® finish features an E-Coat epoxy primer with an ultra-durable powder topcoat, providing excellent resistance to corrosion, ultraviolet degradation and abrasion. Silver, bronze, black, and white are available
- **Weight:** 28.5 lbs. (13kg)

ELECTRICAL SYSTEM

- **Input Voltage:** 120-277V or 347-480V, 50/60Hz, Class 1 drivers
- **Power Factor:** > 0.9 at full load
- **Total Harmonic Distortion:** < 20% at full load
- Integral 10kV surge suppression protection standard
- To address inrush current, slow blow fuse or type C/D breaker should be used
- **10V Source Current:** 0.15mA

REGULATORY & VOLUNTARY QUALIFICATIONS

- cULus Listed
- Suitable for wet locations
- Enclosure rated IP66 per IEC 60529 when ordered without R option
- Consult factory for CE Certified products
- Certified to ANSI C136.31-2001, 3G bridge and overpass vibration standards
- 10kV surge suppression protection tested in accordance with IEEE/ANSI C62.41.2
- Meets FCC Part 15, Subpart B, Class A standards for conducted and radiated emissions
- Luminaire and finish endurance tested to withstand 5,000 hours of elevated ambient salt fog conditions as defined in ASTM Standard B 117
- Meets Buy American requirements within ARRA
- DLC qualified when ordered with asymmetric optics, S input power designator and 40K or 57K. Please refer to www.designlights.org/QPL for most current information
- RoHS compliant. Consult factory for additional details

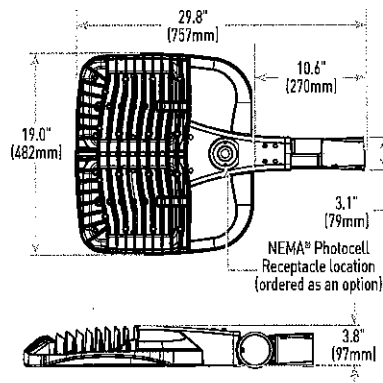
Electrical Data*								
Input Power Designator	Optic	System Watts 120-480V	Total Current					
			120V	208V	240V	277V	347V	480V
S	Asymmetric	223	1.94	1.13	0.99	0.85	0.65	0.47
T	Symmetric	171	1.45	0.85	0.74	0.64	0.50	0.36
U	All	215	1.83	1.08	0.93	0.81	0.62	0.45

* Electrical data at 25°C (77°F). Actual wattage may differ by +/- 10% when operating between 120-480V +/-10%

Recommended OSQ Series Lumen Maintenance Factors (LMF) ¹						
Ambient	Optic	Initial LMF	25K hr Projected ² LMF	50K hr Projected ² LMF	75K hr Projected ² LMF	100K hr Calculated ³ LMF
5°C (41°F)	Asymmetric	1.04	0.99	0.93	0.89	0.84
	Symmetric	1.05	1.00	0.96 ³	0.92 ³	0.88 ³
10°C (50°F)	Asymmetric	1.03	0.98	0.93	0.88	0.83
	Symmetric	1.04	0.99	0.95 ³	0.91 ³	0.87 ³
15°C (59°F)	Asymmetric	1.02	0.97	0.92	0.87	0.82
	Symmetric	1.02	0.98	0.94 ³	0.90 ³	0.87 ³
20°C (68°F)	Asymmetric	1.01	0.96	0.91	0.86	0.82
	Symmetric	1.01	0.96	0.92 ³	0.88 ³	0.85 ³
25°C (77°F)	Asymmetric	1.00	0.95	0.90	0.85	0.81
	Symmetric	1.00	0.95	0.91 ³	0.88 ³	0.84 ³

¹Lumen maintenance values at 25°C (77°F) are calculated per TM-21 based on LM-80 data and in-situ luminaire testing
²In accordance with IESNA TM-21-11, Projected Values represent interpolated value based on time durations that are within six times (6X) the IESNA LM-80-08 total test duration (in hours) for the device under testing (DUT) i.e. the packaged LED chip
³In accordance with IESNA TM-21-11, Calculated Values represent time durations that exceed six times (6X) the IESNA LM-80-08 total test duration (in hours) for the device under testing (DUT) i.e. the packaged LED chip

AA Mount



Weight
28.5 lbs. [13kg]





National Energy Professionals
 Division of National Mfg. & Dist., Inc.
 166 Taylor Road
 Depew, New York 14043

Toll Free: (800) 310-7413
 Local: (716) 683-2505
 Fax: (716) 683-8655
 Web: www.nationalenergypros.com

Quotation

CO NO. _____
WARNING ELECTRIC

EAST AURORA

QUOTE NO. **006806-A**
 YOUR REF NO. _____
 DATE **4/8/2016**
 TERMS **Net 30 Days**
 DELIVERY **2-4 WEEKS A.R.O.**

ATTN **SCOTT** PHONE NO. _____

PRICES ARE QUOTED FOB **Delivered**

LINE ITEM	QTY	DESCRIPTION	\$/EA.	TOTAL \$
REFERENCE: COMMUNITY POOL TENNIS COURTS LED LIGHTING				
001	6	OSQ-A-NM-WSN-S-40K-UL-BZ / OSQ-AA-BZ CREE LED FLOODLIGHT	\$750.00	\$4500.00
002	4	OSQ-A-NM-60-S-40K-UL-BZ / OSQ-AA-BZ CREE LED FLOODLIGHT	\$750.00	\$3000.00
003	4	PCB-1 SINGLE BULLHORN BRACKET	\$185.00	\$740.00
004	2	PCB-4 TRIPLE BULLHORN BRACKET	\$375.00	\$750.00

SALES PERSON: **PAUL VARGOVICH**

TOTAL \$8,990.00

SOLAR

WS-8

TOWN OF MARILLA

LOCAL LAW NO. 4 -2015

BE IT ENACTED BY THE TOWN BOARD OF THE TOWN OF MARILLA AS FOLLOWS:

SECTION 1. TITLE.

This Local Law shall be known as Local Law No. ____-2015 and be titled "Amendment of Section 700-55 of the Code of the Town of Marilla" and enactment of Section 700-58.1 of the Code of the Town of Marilla.

SECTION 2. PURPOSE AND INTENT.

The purpose of this Local Law is to amend Section 700-55 of the Code of the Town of Marilla to revise provisions relating to windmills or wind generators in the Town of Marilla and to enact a new section relating to the regulation of solar power in the Town of Marilla.

SECTION 3. AMENDMENT.

Section 700-55 of the Code of the Town of Marilla is hereby amended to read as follows:

§ 700-55. Windmills or wind generators.

A. Definitions. As used in this section, the following terms shall have the meanings indicated:

GUY WIRE

Wires used to secure wind turbines or meteorological towers that are not self-supporting.

HEIGHT, BLADE-TIP

The height of a wind turbine measured from natural grade to the tip of the rotor blade at its highest point. This measure is also commonly referred to as the maximum tip height (MTH), or turbine height.

HEIGHT, TOWER

The height above grade of the fixed portion of the tower, measured to the top of the nacelle and excluding the wind generator.

HEIGHT, TURBINE

The height of a wind turbine measured from natural grade to the tip of the rotor blade at its highest point. This measure is also commonly referred to as the maximum tip height (MTH) or blade-tip height.

TOWER

The monopole, guyed monopole or lattice structure that supports a wind generator.

WIND ENERGY CONVERSION SYSTEM (WECS)

All equipment, machinery and structures utilized in connection with the conversion of wind to electricity. This includes, but is not limited to, all transmission, storage, collection and supply equipment, substations, transformers, site access, service roads and machinery associated with the use. A wind energy conversion facility may consist of one or more wind turbines.

WIND TURBINE

A machine for converting the kinetic energy in wind into mechanical energy, which is then converted to electricity.

WIND TURBINE GENERATORS (WTG)

Equipment that converts and then transfers energy from the wind into usable forms of electrical energy and includes all related and supporting items including but not limited to all buildings, structures, electrical equipment, substations, transmission lines, access roads, parking lots, areas to be stripped or graded, and areas to be landscaped or screened.

- B. Windmills or wind generators may be permitted in any district upon the approval of a special use permit by the Town Board. Windmills and/or wind generators used to supply a portion of a farm's electrical needs (not exceeding 110% of the farm's anticipated demand) are deemed to be on-farm equipment and are permitted by right and do not require a special use permit.
- C. In addition to the requirements for special use permits outlined in Article VI, the site plan shall also show:

- (1) Location of the tower on site and tower height, including blades, *rotor diameter and ground clearance*.
- (2) Property lot lines and the location and dimensions of all existing structures and uses on site within 300 feet of the wind-energy conversion systems.
- (3) Underground utility lines within a radius equal to the proposed tower height, including blades.
- (4) Dimensional representation of the various structural components of the tower construction, including base and footings.
- (5) Design data indicating the basis of design, including manufacturer's dimensional drawings, installation and operation instructions.
- (6) Certification by a registered professional engineer or manufacturer's certification that the tower design is sufficient to withstand wind load requirements for structures as established by the New York State Fire Prevention and Building Code. [1]

[1]:Editor's Note: See also Ch. 209, Construction Codes, Uniform.

- D. No windmill, including blades, shall extend more than 50 feet above the average ground level of the permanent structure, except in the A Agricultural District where the height may extend to 150 feet.

- E. The minimum setback distance between each wind turbine tower and all surrounding property lines, overhead utility or transmission lines, other wind turbine towers, electrical substations, meteorological towers, public roads and dwellings shall be equal to no less than 1.5 times the sum of proposed structure height plus the rotor radius.
- F. Access to the tower shall be limited either by means of a fence six feet high around the tower base with a locking portal or by limiting tower climbing apparatus to no lower than 12 feet from the ground.
- G. No windmill shall be installed in any location along the major axis of an existing microwave communications link where the operation of the windmill is likely to produce an unacceptable level of electromagnetic interference, unless the applicant provides sufficient evidence satisfactory to the Code Enforcement Officer indicating the degree of expected interference and the possible effect on the microwave communications link.
- H. Windmills shall be located or installed in compliance with the guidelines of the Federal Aviation Regulations with regard to airport approach zones (15.503) and clearance around VOR and DVOR stations.
- I. All sites proposed for windmills shall have sufficient access to unimpeded air flow for adequate operation in accordance to the Siting Handbook for Small Wind Energy Conversion Systems, PNL-2521, or other nationally recognized reference.
- J. No windmill shall be installed in a location where the impact on the neighborhood character is determined by the Planning Board to be detrimental to the general neighborhood character.
- K. If the windmill is to be interconnected to an electric utility distribution system, the applicant shall provide evidence of approval of the proposed interconnect by the New York State Electric and Gas Corporation.
- L. Towers shall be located according to plans approved by the Town Board.
- M. Guy wires and anchors for towers shall not be located closer than 10 feet to any property line.
- N. All windmills shall be designed with an automatic device to prevent over-speeding and excessive pressure on the tower structure.
- O. The minimum distance between the ground and any protruding blades shall not be less than 15 feet as measured at the lowest point of the arc of the blades.

SECTION 4. ADDITION.

Section 700-58.1 of the Code of the Town of Marilla is hereby enacted and reads as follows:

- A. Definitions. As used in this section, the following terms shall have the meanings indicated:

FLUSH-MOUNTED SOLAR PANEL

Photovoltaic panels and tiles that are installed flush to the surface of a roof and which cannot be angled or raised.

FREESTANDING OR GROUND-MOUNTED SOLAR ENERGY SYSTEM

A solar energy system that is directly installed in the ground and is not attached or affixed to an existing structure.

QUALIFIED SOLAR INSTALLER

A person who has skills and knowledge related to the construction and operation of solar electrical equipment and installations and has received safety training on the hazards involved. Persons who are on the list of eligible photovoltaic installers maintained by the New York State Energy Research and Development Authority (NYSERDA), or who are certified as a solar installer by the North American Board of Certified Energy Practitioners (NABCEP), shall be deemed to be qualified solar installers for the purposes of this definition. Persons who are not on NYSEDA's list of eligible installers or NABCEP's list of certified installers may be deemed to be qualified solar installers if the Town determines such persons have had adequate training to determine the degree and extent of the hazard and the personal protective equipment and job planning necessary to perform the installation safely. Such training shall include the proper use of special precautionary techniques and personal protective equipment, as well as the skills and techniques necessary to distinguish exposed energized parts from other parts of electrical equipment and to determine the nominal voltage of exposed live parts.

ROOFTOP OR BUILDING MOUNTED SOLAR SYSTEM

A solar power system in which solar panels are mounted on top of the structure of a roof either as a flush-mounted system or as modules fixed to frames which can be tilted toward the south at an optimal angle.

SMALL-SCALE SOLAR

For purposes of this Ordinance, the term "small-scale solar" refers to solar photovoltaic systems that produce up to ten kilowatts (kW) per hour of energy or solar-thermal systems which serve the building to which they are attached, and do not provide energy for any other buildings.

SOLAR ACCESS

Space open to the sun and clear of overhangs or shade including the orientation of streets and lots to the sun so as to permit the use of active and/or passive solar energy systems on individual properties.

SOLAR COLLECTOR

A solar photovoltaic cell, panel, or array, or solar hot air or water collector device, which relies upon solar radiation as an energy source for the generation of electricity or transfer of stored heat.

SOLAR EASEMENT

An easement recorded pursuant to NY Real Property Law § 335-b, the purpose of which is to secure the right to receive sunlight across real property of another for continued access to sunlight necessary to operate a solar collector.

SOLAR ENERGY EQUIPMENT/SYSTEM

Solar collectors, controls, energy storage devices, heat pumps, heat exchangers, and other materials, hardware or equipment necessary to the process by which solar radiation is collected, converted into another form of energy, stored, protected from unnecessary dissipation and distributed. Solar systems include solar thermal, photovoltaic and concentrated solar.

SOLAR PANEL

A device for the direct conversion of solar energy into electricity.

SOLAR STORAGE BATTERY

A device that stores energy from the sun and makes it available in an electrical form.

- B. **Applicability.** The requirements of this Ordinance shall apply to all Small Scale solar energy systems (residential, commercial, multi-family and condominium) modified or installed after the effective date of this Ordinance. All solar energy systems shall be designed, erected and installed in accordance with all applicable codes, regulations and standards.
- C. **Enforcement.** The provisions of this chapter shall be enforced by the Town of Marilla Building Inspector/Code Enforcement Officer (C.E.O.) or his/her representative.
- D. **Permit required.**
- (1) No Small Scale solar energy system or device shall be installed or operated in the Town of Marilla except in compliance with this article.
- (2) An application for a permit must be completed and submitted to the Building Inspector/Code Enforcement Officer on such form as may be prescribed. Such application shall contain and be accompanied by plans and specifications in accordance with the New York's Uniform Fire Prevention and Building Code standards.
- E. **Rooftop and Building-Mounted Solar Collectors.** Rooftop and building mounted solar collectors are permitted in all zoning districts in the Town subject to the following conditions:
1. Building permits shall be required for installation of all rooftop and building-mounted solar collectors.
 2. Any height limitations of the Town Code shall not be applicable to solar collectors provided that such structures are erected only to such height as is reasonably necessary to accomplish the purpose for which they are intended to serve, and that such structures do not obstruct solar access to neighboring properties.
- F. **Ground-Mounted and Free Standing Solar Collectors:** Ground-mounted and free standing solar collectors are permitted as accessory structures in all zoning districts of the Town, subject to the following conditions:
1. Building permits are required for the installation of all ground-mounted solar collectors.
 2. The location of the solar collector meets all applicable setback requirements for accessory structures in the zoning district in which it is located.

3. The height of the solar collector and any mounts shall not exceed 20 feet when oriented at maximum tilt.

4. Solar energy equipment shall be located in a manner to reasonably minimize view blockage for surrounding properties and shading of property to the north, while still providing adequate solar access for collectors.

G. Safety

1. All solar collector installations must be performed by a qualified solar installer.

2. Prior to operation, electrical connections must be inspected by a Town Code Enforcement Officer and by an appropriate electrical inspection person or agency, as determined by the Town.

3. Any connection to the public utility grid must be inspected by the appropriate public utility.

4. Solar energy systems shall be maintained in good working order.

5. Rooftop and building-mounted solar collectors shall meet New York's Uniform Fire Prevention and Building Code standards.

6. If solar storage batteries are included as part of the solar collector system, they must be placed in a secure container or enclosure meeting the requirements of the New York State Building Code when in use and when no longer used shall be disposed of in accordance with the laws and regulations of the Town of Marilla and other applicable laws and regulations.

SECTION 5. EFFECTIVE DATE.

This Local Law shall take effect immediately upon adoption by the Town Board of the Town of Marilla and filing with the Secretary of State.

DULY ADOPTED, this 10 day of December, 2015, by the following vote:

Supervisor Gingerich	Voted <u>Yes</u>
Councilwoman Spanitz	Voted <u>Yes</u>
Councilman Handley	Voted <u>Yes</u>
Councilwoman Beats	Voted <u>Yes</u>
Councilwoman Lathrop	Voted <u>Absent</u>

Town of Geneva, NY
Friday, October 2, 2015

Chapter 130. SOLAR ENERGY SYSTEMS

[HISTORY: Adopted by the Town Board of the Town of Geneva 6-10-2014 by L.L. No. 2-2014.
Amendments noted where applicable.]

GENERAL REFERENCES

Building construction and fire prevention — See Ch. **63**.

Site plan review — See Ch. **123**.

Solar and wind energy tax exemption — See Ch. **146**, Art. III.

Zoning — See Ch. **165**.

§ 130-1. Purpose.

Because it is in the public interest to provide for and encourage renewable energy systems and a sustainable quality of life, the purpose of this chapter is to facilitate the development and operation of renewable energy systems based on sunlight. Solar energy systems are appropriate in all zoning districts when measures are taken, as provided in this chapter, to minimize adverse impacts on neighboring properties and protect the public health, safety and welfare.

§ 130-2. Definitions.

As used in this chapter, the following terms shall have the meanings indicated:

MAJOR SOLAR COLLECTION SYSTEM or SOLAR FARM

An area of land or other area used for a solar collection system principally used to capture solar energy and convert it to electrical energy to transfer to the public electric grid in order to sell electricity to or receive a credit from a public utility entity, but also may be for on-site use. Solar farm facilities consist of one or more freestanding ground- or roof-mounted solar collector devices, solar-related equipment and other accessory structures and buildings, including light reflectors, concentrators, and heat exchangers, substations, electrical infrastructure, transmission lines and other appurtenant structures and facilities.

MINOR OR ACCESSORY SOLAR COLLECTION SYSTEM

A solar photovoltaic cell, panel, or array, or solar hot air or water collector device, which relies upon solar radiation as an energy source for collection, inversion, storage, and distribution of solar energy for electricity generation or transfer of stored heat, secondary to the use of the premises for other lawful purposes, with the total surface area of all solar collectors on the lot not to exceed 4,000 square feet.

§ 130-3. Solar collectors and installations for minor systems.

A.

Rooftop- and building-mounted solar collectors are permitted in all zoning districts in the Town. Building permits shall be required for installation of rooftop- and building-mounted solar collectors.

- B. Ground-mounted and freestanding solar collectors are permitted as accessory structures in all zoning districts of the Town, subject to the following requirements:
- (1) The location of the solar collectors meets all applicable setback requirements of the zone in which they are located.
 - (2) The height of the solar collectors and any mounts shall not exceed the height restrictions of the zone when oriented at maximum tilt.
 - (3) The total surface area of all solar collectors on the lot shall not exceed 4,000 square feet and, when combined with all other buildings and structures on the lot, shall not exceed fifty-percent lot coverage.
 - (4) A building permit has been obtained for the solar collectors.
 - (5) The solar collectors are located in a side or rear yard.
 - (6) Solar collectors and other facilities shall be designed and located in order to prevent reflective glare toward any inhabited buildings on adjacent properties and roads.
- C. Where site plan approval is required elsewhere in the regulations of the Town for a development or activity, the site plan review shall include review of the adequacy, location, arrangement, size, design, and general site compatibility of proposed solar collectors.
- D. All solar collector installations must be performed in accordance with applicable electrical and building codes, the manufacturer's installation instructions, and industry standards, and prior to operation the electrical connections must be inspected by the Town Code Enforcement Officer or by an appropriate electrical inspection person or agency, as determined by the Town. In addition, any connection to the public utility grid must be inspected by the appropriate public utility.
- E. When solar storage batteries are included as part of the solar collector system, they must be placed in a secure container or enclosure meeting the requirements of the New York State Building Code when in use and when no longer used shall be disposed of in accordance with the laws and regulations of Ontario County and other applicable laws and regulations.
- F. If a solar collector ceases to perform its originally intended function for more than 12 consecutive months, the property owner shall remove the collector, mount and associated equipment and facilities no later than 90 days after the end of the twelve-month period.

§ 130-4. Solar collectors and installations for major systems or solar farms.

- A. Where applicable, and unless more restrictive regulations also apply, the requirements of § 130-3 of this chapter shall apply to solar collectors and installations for major systems or solar farms.
- B. A major system or solar farm shall be constructed pursuant to a site plan permit from the Town Planning Board and must meet the criteria set forth below and obtain all other necessary approvals.
- C. Areas of potential sensitivity:
- (1) One-hundred-year flood hazard zones considered a V or AE Zone on the FEMA Flood Maps.

- (2) Historic and/or culturally significant resources in an historic district or historic district transition zone.
 - (3) Within 100 feet landward of a freshwater wetland.
 - (4) Adjacent to, or within, the control zone of any airport.
- D. A major system or solar farm may be permitted in all zoning districts in the Town when authorized by site plan permit from the Planning Board subject to the following terms and conditions.
- (1) The total coverage of all buildings and structures on a lot, including freestanding solar panels, shall not exceed 50%.
 - (2) Height and setback restrictions.
 - (a) The maximum height for freestanding solar panels located on the ground or attached to a framework located on the ground shall not exceed 15 feet in height above the ground.
 - (b) The minimum setback from property lines shall be 25 feet.
 - (c) A landscaped buffer shall be provided around all equipment and solar collectors to provide screening from adjacent residential properties and roads.
 - (3) Design standards.
 - (a) Removal of trees and other existing vegetation should be minimized or offset with planting elsewhere on the property.
 - (b) Roadways within the site shall not be constructed of impervious materials and shall be designed to minimize the extent of roadways constructed and soil compaction.
 - (c) All on-site utility and transmission lines shall, to the extent feasible, be placed underground.
 - (d) Solar collectors and other facilities shall be designed and located in order to prevent reflective glare toward any inhabited buildings on adjacent properties and roads.
 - (e) All mechanical equipment, including any structure for batteries or storage cells, shall be enclosed by a minimum six-foot-high fence with a self-locking gate and provided with landscape screening.
 - (f) A solar farm to be connected to the utility grid shall provide a "proof of concept" letter from the utility company acknowledging the solar farm will be connected to the utility grid in order to sell electricity to the public utility.
 - (4) Signs.
 - (a) A sign not to exceed eight square feet shall be displayed on or near the main access point and shall list the facility name, owner and phone number.
 - (b) A clearly visible warning sign concerning voltage must be placed at the base of all pad-mounted transformers and substations.
 - (5) Abandonment.
 - (a) All applications for a solar farm shall be accompanied by a decommissioning plan to be implemented upon abandonment, or cessation of activity, or in conjunction with removal of the facility, prior to issuance of a building permit.

- (b) If the applicant begins but does not complete construction of the project within 18 months after receiving final site plan approval, this may be deemed abandonment of the project and require implementation of the decommissioning plan to the extent applicable.
- (c) The decommissioning plan must ensure the site will be restored to a useful, nonhazardous condition without delay, including, but not limited to, the following:
 - [1] Removal of aboveground and below-ground equipment, structures and foundations.
 - [2] Restoration of the surface grade and soil after removal of equipment.
 - [3] Revegetation of restored soil areas with native seed mixes, excluding any invasive species.
 - [4] The plan shall include a time frame for the completion of site restoration work.
- (d) In the event the facility is not completed and functioning within 18 months of the issuance of the final site plan approval, the Town may notify the operator and/or the owner to complete construction and installation of the facility within 180 days. If the owner and/or operator fails to perform, the Town may notify the owner and/or operator to implement the decommissioning plan. The decommissioning plan must be completed within 180 days of notification by the Town.
- (e) Upon cessation of activity of a constructed facility for a period of one year, the Town may notify the owner and/or operator of the facility to implement the decommissioning plan. Within 180 days of notice being served, the owner and/or operator can either restore operation equal to 80% of approved capacity or implement the decommissioning plan.
- (f) If the owner and/or operator fails to fully implement the decommissioning plan within the one-hundred-eighty-day time period, the Town may, at its discretion, provide for the restoration of the site in accordance with the decommissioning plan and may recover all expenses incurred for such activities from the defaulted owner and/or operator. The cost incurred by the Town shall be assessed against the property, shall become a lien and tax upon the property, and shall be enforced and collected with interest by the same officer and in the same manner as other taxes.

SUPERVISOR
James J. Bach
(716) 652-7590
jbach@townofaurora.com



to

WS-9

RK
ock
280
om

TOWN OF AURORA
Southside Municipal Center
300 Glead Avenue, East Aurora, NY 14052
www.townofaurora.com

TOWN COUNCIL MEMBERS
Susan A. Friess
sfriess@townofaurora.com

June 15, 2016

Jeffrey T. Harris
jharris@townofaurora.com

To: Town Board Members

Jolene M. Jeffe
jjeffe@townofaurora.com

I respectfully request the Town Board authorize the hiring of Union Concrete Construction Corporation to make necessary repairs to the Brooklea Drive culverts.

Charles D. Snyder
csnyder@townofaurora.com

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

They are being hired through the 2016 Erie County summer highway maintenance bid item E636.0103 in which they were the low bidder of 4.14% profit for As-Directed bridge maintenance and repair work.

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

The materials for the job will be bought by the town direct so that the contractor does not go over the \$35,000 procurement threshold.

ASSESSOR
Richard L. Dean
assessor@townofaurora.com
(716) 652-0011

I have attached are engineers estimate which state the job should not go over \$50,000. I have also attached copies of the necessary permits to the repair.

DIR. OF RECREATION
Christopher Musshafen
(716) 652-8866
chris@townofaurora.com

This will be paid for out of whatever line the Town Board directs.

TOWN ATTORNEY
Ronald P. Bennett

Sincerely,

A handwritten signature in black ink, appearing to read "David M. Gunner".

TOWN JUSTICE
Jeffrey P. Markello
Anthony DiFilippo IV

David M. Gunner
Superintendent of Highways

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

FAX: (716) 652-3507
NYS Relay Number:
1(800) 662-1220

2016 Summer Maintenance Bid

SECTION ES36												
Item No.	Item	Pay Unit	Accadia Site Contracting, Inc.	Amherst Paving	Dig It of NY	Occhio Corp.	Occhio Paving Corp. DMA Medusa	Northeast Diversification Inc. DBA Northeast Paving	Union Concrete Construction Corp.	Robinson Paving	Michael Serafini, Inc.	
ES36.0101	Emergency Repair: Highway	Percent	8.75%	7.00%	10.00%	2.89%	1.49%	5.00%	6.80%	20.00%	2.50%	
ES36.0102	Emergency Repair: Bridge	Percent	20%	12%		10.00%	15.00%	5.00%	4.09%		12.00%	
ES36.0103	As Directed Bridge Maintenance and Repair Work	Percent	20%	15%		4.89%	10.00%	5.00%	4.14%			

July 21, 2015

Town of Aurora
 Brooklea Drive over Tannery Brook
 Construction Cost Estimate for Bridge Rehabilitation
 (Includes Labor & Materials)
ENGINEER'S ITEMIZED ESTIMATE

NYS DOT ITEM NUMBER	DESCRIPTION	QUANTITY	UNIT	UNIT COST	COST
553.030001	Temporary Waterway Diversion Structure	2	EA	\$2,000	\$4,000
556.0101	Uncoated Steel Fabric Reinforcement for Structures (4" x 4" W4 / W4)	155	SY	\$22	\$3,410
564.51	Structural Steel (Galvanized, Incl. Field Welding) (L 4" x 3" x 3/8" x 329 LF)	2,800	LB	\$3.90	\$10,920
602.2002	Structural Paving of Inverts w/ Portland Cement Concrete (15 CY each pipe ; 30 CY Total)	1,650	SF	\$11.75	\$19,388
620.03	Light Stone Fill	100	CY	\$54.00	\$5,400
620.05	Medium to Heavy Stone Fill	75	CY	\$67.00	\$5,025
XXX.xx	6" x 6" x 5 ft. Long Pressure Treated Wood Baffles	10	EA	\$80.00	\$800
699.01	Mobilization (Assume 4%)	1	LS	\$2,000	\$2,000
TOTAL CONSTRUCTION COST					\$50,940

5 - 6" x 6" x 10'-0" P.T

1,400 SF

329 LF

35 CY

170 Tons

125 Tons

July 21, 2015

**Town of Aurora
Brooklea Drive over Tannery Brook
Construction Cost Estimate for Bridge Rehabilitation
CONTRACTOR'S ITEMIZED ESTIMATE**

NYS DOT ITEM NUMBER	DESCRIPTION	QUANTITY	UNIT	MATERIAL UNIT COST	MATERIAL TOTAL COST	LABOR / INSTALLATION COST
553.030001	Temporary Waterway Diversion Structure	2	EA	\$0	\$0	\$4,000
556.0101	Uncoated Steel Fabric Reinforcement for Structures (4" x 4" W4 / W4 x 1,400 SF)	155	SY	\$5.50	\$853	\$2,550
564.51	Structural Steel (Galvanized, Incl. Field Welding) (L 4" x 3" x 3/8" x 329 LF)	2,800	LB	\$1.30	\$3,640	\$7,300
602.2002	Structural Paving of Inverts w/ Portland Cement Concrete (15 CY each pipe)	35	CY	\$140	\$4,900	\$14,500
620.03	Light Stone Fill (170 Tons)	100	CY	\$34	\$3,400	\$2,000
620.05	Medium to Heavy Stone Fill (125 Tons)	75	CY	\$40	\$3,000	\$2,000
XXX.xx	6" x 6" x 5 ft. Long Pressure Treated Wood Baffles	10	EA	\$15	\$150	\$650
699.01	Mobilization	1	LS	\$0	\$0	\$2,000
TOTAL MATERIAL COSTS COST					\$15,943	
TOTAL LABOR / INSTALLATION COSTS						\$35,000
TOTAL CONSTRUCTION COST						\$50,943

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION

Division of Environmental Permits, Region 9
270 Michigan Avenue, Buffalo, NY 14203-2915
P: (716) 851-7165 | F: (716) 851-7168
www.dec.ny.gov

July 16, 2015

Hon. James Bach
Town of Aurora
300 Gleed Ave
East Aurora, New York 14052

Dear Supervisor Bach:

**Water Quality Certification
Brooklea Drive Bridge Replacement
Village of East Aurora, Erie County
DEC No. 9-1424-00150/00003**

This will acknowledge receipt of your Joint Application for Permit and advise you that, pursuant to the provisions of New York State Environmental Conservation Law, no Department Article 15 Protection of Waters or Article 24 Freshwater Wetlands permit will be required for the above-noted work as described in your July 9, 2015 permit application and drawings.

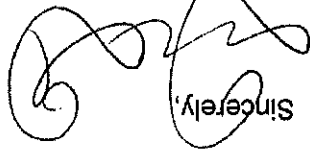
This letter affirms that this Department hereby grants Section 401 Water Quality Certification and certifies that the subject project will not contravene effluent limitations or other limitations or standards under Sections 301, 302, 303, 306 and 307 of the Clean Water Act of 1977 (PL 95-217) for the project based on the following requirements:

1. In order to control sedimentation and erosion and minimize adverse impacts to water quality, appropriate silt fencing shall be installed and entrenched (at least 6 inches below ground elevation) around the work site, including excavated soil piles, if any, and/or between disturbed high elevations on site, drainage ways and water bodies.
2. All erosion and sediment control practices shall be in place prior to any grading or filling operations and installation of proposed structures or utilities. They shall remain in place until construction is completed and the area is stabilized.
3. As soon as possible following construction, all exposed soils shall be seeded and mulched to prevent erosion.
4. Debris, vegetation and other spoil removed as part of project implementation (by the applicant or his contractors) shall be disposed of at upland locations above the reach of high water. Sediment disposal in the water body, wetlands, floodways or 100-year floodplains is strictly prohibited.

This determination does not relieve you of any requirements under any other applicable laws which may exist. You are advised to contact all appropriate Federal, State and/or local agencies for any approvals that may be required including the U.S. Department of the Army Corps of Engineers, Buffalo District Office (1776 Niagara Street, Buffalo, NY 14207, telephone: (716) 879-4330).

This Water Quality Certification shall be valid for a period of three years from the date of this letter (expires July 16, 2018).

If you have any questions or comments in regard to this letter, or your responsibilities under the New York State Environmental Conservation Law, please do not hesitate to contact this office.

Sincerely,


David S. Denk
Regional Permit Administrator

BAD:zrb

ecc: Captain Frank Lauricella, NYSDEC Division of Law Enforcement
Mr. Chris Legard, NYSDEC Division of Fish, Wildlife and Marine Resources
U.S. Department of the Army Corps of Engineers, Buffalo District Office
Mr. Garret Hoffmann, Clough Harbour & Associates



REPLY TO
ATTENTION OF:

DEPARTMENT OF THE ARMY
BUFFALO DISTRICT, CORPS OF ENGINEERS
1776 NIAGARA STREET
BUFFALO, NEW YORK 14207-3199

COPY

October 21, 2015

Regulatory Branch

SUBJECT: Application No. 2009-01444, Nationwide Permit No. 3/13 as Published in the Federal Register, Volume 77, No. 34, on Tuesday, February 21, 2012, New York State Department of Environmental Conservation No. 9-1424-00150/00003.

Town of Aurora
Aurora Town Hall
300 Gleed Avenue
East Aurora, New York 14052

Dear Mr. Bach:

This pertains to your application for a Department of the Army permit to rehabilitate an existing two span culvert bridge by use of concrete placement within pipe inverts and placement of stone riprap at culvert inlets and outlets in addition to placement of riprap bank stabilization all located in Tannery Brook at Brooklea Drive, Town of Aurora, Erie County, New York.

I have evaluated the impacts associated with your proposal, and have concluded that they are authorized by the enclosed Nationwide Permit (NWP) provided that the attached conditions are satisfied.

Verification of the applicability of this NWP is valid until March 18, 2017 unless the NWP is modified, suspended, revoked, or the activity complies with any subsequent permit modification. Please note in accordance with 33 CFR part 330.6(b), that if you commence or are under contract to commence an activity in reliance of the permit prior to the date this NWP expires, is suspended or revoked, or is modified such that the activity no longer complies with the terms and conditions, you have twelve months from the date of permit modification, expiration, or revocation to complete the activity under the present terms and conditions of the permit, unless the permit has been subject to the provisions of discretionary authority.

It is your responsibility to remain informed of changes to the NWP program. A public notice announcing any changes will be issued when they occur and will be available for viewing at our website: <http://www.lrb.usace.army.mil/Missions/Regulatory.aspx>. Finally, note that if your activity is not undertaken within the defined period or the project specifications have changed, you must immediately notify this office to determine the need for further approval or reverification.

COPY

Regulatory Branch

SUBJECT: Application No. 2009-01444, Nationwide Permit No. 3/13 as Published in the Federal Register, Volume 77, No. 34, on Tuesday, February 21, 2012, New York State Department of Environmental Conservation No. 9-1424-00150/00003.

This affirmation is limited to the attached NWP and associated WQC, and does not obviate the need to obtain any other project specific Federal, state, or local authorization. Specifically, you may need to obtain Article 15 (Protection of Water), Article 24 (Freshwater Wetland), and/or Article 34 (Coastal Erosion Management) authorization from the New York State DEC.

Questions pertaining to this matter should be directed to me at 716-879-4346, by writing to the following address: U.S. Army Corps of Engineers, 1776 Niagara Street, Buffalo, New York 14207, or by e-mail at: martin.h.crosson@usace.army.mil

Sincerely,

SIGNED

Martin H. Crosson
Biologist

Enclosures

COMPLETION FORM / COMPLIANCE CERTIFICATION

COPY

Each permittee who receives a Nationwide Permit (NWP) verification letter from the Corps must provide a signed certification documenting completion of the authorized activity and any compensatory mitigation.

APPLICANT:
Town of Aurora
Aurora Town Hall
300 Gleed Avenue
East Aurora, New York 14052

POINT OF CONTACT:

File No.: 2009-01444
File Closed: 10/21/2015
NWP No.: 3/13

Upon completion of the activity authorized by this permit and any required compensatory mitigation sign this certification and return it to the address listed below within 30 days of project completion.

Please note that your permitted activity is subject to a compliance inspection by a U.S. Army Corps of Engineers representative. If you fail to comply with this permit you are subject to permit suspension, modification, revocation, and/or assessment of administrative penalties.

The permittee shall certify the completion of the authorized work and mitigation:

- a. The authorized work was done in accordance with the NWP authorization, including any general, regional, or activity specific conditions.
- b. The implementation of any required compensatory mitigation was completed in accordance with the permit conditions. If credits from a mitigation bank or in-lieu fee program are used to satisfy the compensatory mitigation requirements, this certification must include the documentation required by 33 CFR 332.3(i)(3) to confirm that the permittee secured the appropriate number and resource type of credits.

APPLICANTS NAME _____

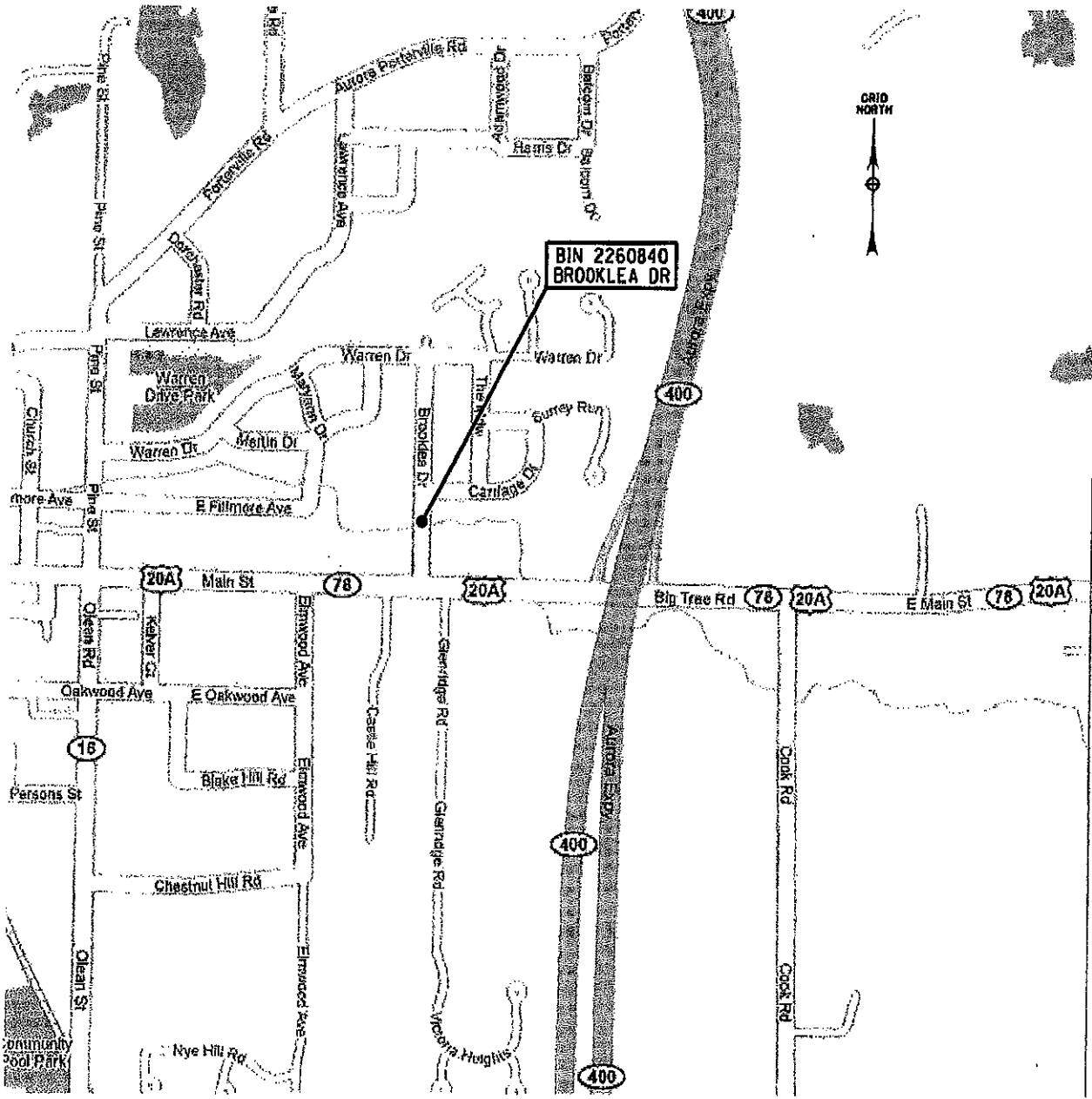
Date _____

Permittee Telephone Number: _____

Project location/Description: rehabilitate an existing two span culvert bridge by use of concrete placement within pipe inverts and placement of stone riprap at culvert inlets and outlets in addition to placement of riprap bank stabilization all located in Tannery Brook at Brooklea Drive, Town of Aurora, Erie County, New

Authorized Impacts (Waters of the U.S. Impacted by Project): ~120 Linear Feet

Return completed form to:
Mr. David Leput
Regulatory Branch
U.S. Army Corps of Engineers
1776 Niagara Street
Buffalo, NY 14207



Aurora, Town of – Brooklea Drive Bridge
 (2260840)
 D/A Processing No. 2009-01444
 Erie County, NY
 Sheet 2 of 4



LOCAL MAP – PROJECT LOCATION

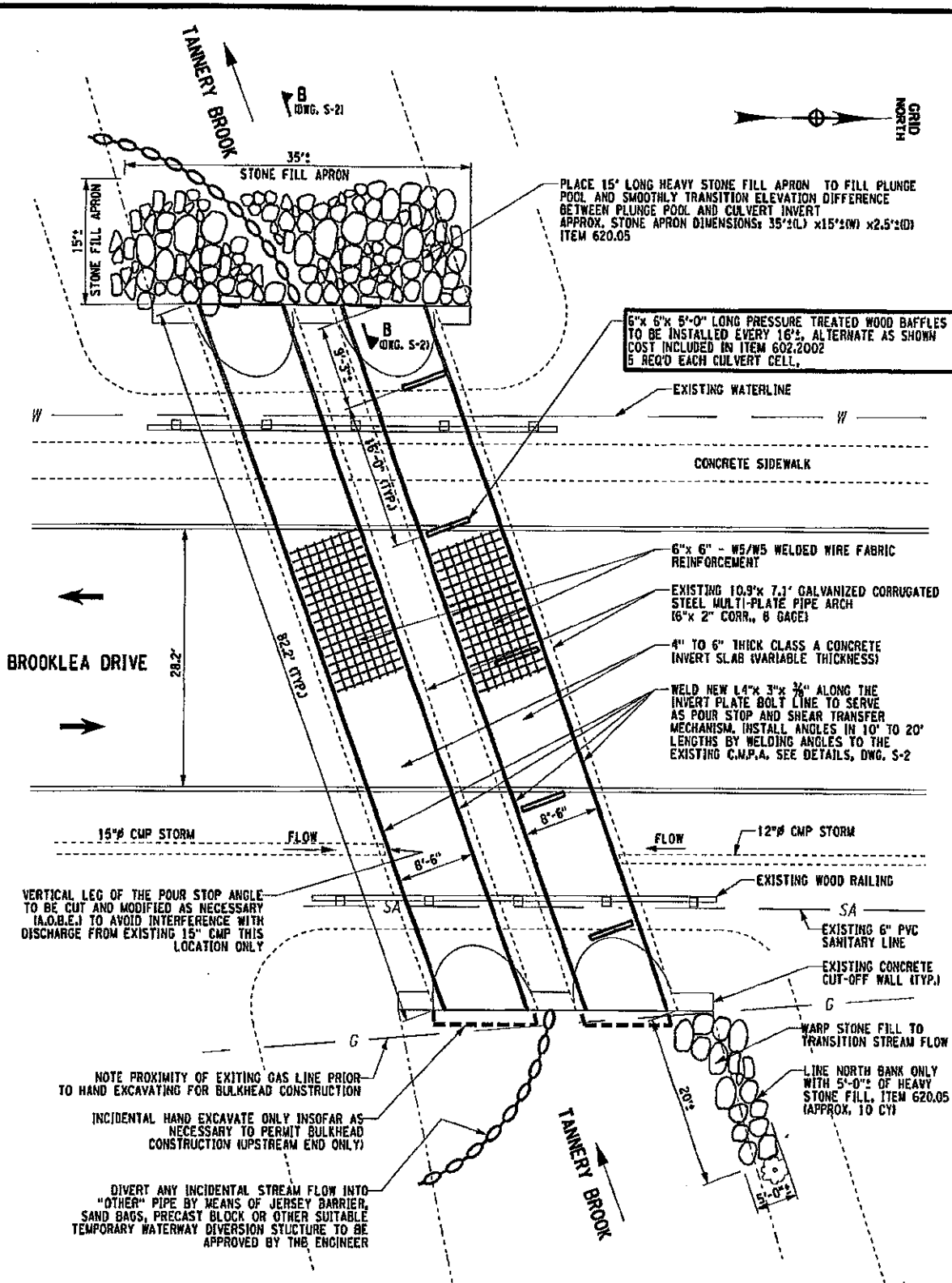
CHA

2260 Main Place Tower, • Buffalo, NY 14203-3722
 Main: (716) 647-6310 • www.doughharbour.com

**BROOKLEA DRIVE (BIN: 2260840)
 OVER TANNERY BROOK
 BRIDGE REHABILITATION PROJECT
 VILLAGE OF EAST AURORA, ERIE COUNTY**

DATE: 5/2015

FIGURE 3



PLACE 15' LONG HEAVY STONE FILL APRON TO FILL PLUNGE POOL AND SMOOTHLY TRANSITION ELEVATION DIFFERENCE BETWEEN PLUNGE POOL AND CULVERT INVERT APPROX. STONE APRON DIMENSIONS: 35'x(L) x 15'x(W) x 2.5'x(D) ITEM 620.05

6"x 6"x 5'-0" LONG PRESSURE TREATED WOOD BAFFLES TO BE INSTALLED EVERY 16', ALTERNATE AS SHOWN COST INCLUDED IN ITEM 602.2002 5 REQ'D EACH CULVERT CELL.

VERTICAL LEG OF THE POUR STOP ANGLE TO BE CUT AND MODIFIED AS NECESSARY (A.O.B.E.) TO AVOID INTERFERENCE WITH DISCHARGE FROM EXISTING 15" CMP THIS LOCATION ONLY

NOTE PROXIMITY OF EXISTING GAS LINE PRIOR TO HAND EXCAVATING FOR BULKHEAD CONSTRUCTION

INCIDENTAL HAND EXCAVATE ONLY INsofar AS NECESSARY TO PERMIT BULKHEAD CONSTRUCTION (UPSTREAM END ONLY)

DIVERT ANY INCIDENTAL STREAM FLOW INTO "OTHER" PIPE BY MEANS OF JERSEY BARRIER, SAND BAGS, PRECAST BLOCK OR OTHER SUITABLE TEMPORARY WATERWAY DIVERSION STRUCTURE TO BE APPROVED BY THE ENGINEER

Aurora, Town of - Brooklea Drive Bridge
 (2260840)
 D/A Processing No. 2009-01444
 Erie County, NY
 Sheet 3 of 4

GENERAL PLAN
 N.T.S.



S-1B

VILLAGE OF EAST AURORA
 BROOKLEA DRIVE OVER
 TANNERY BROOK
 BRIDGE REHABILITATION
 GENERAL PLAN & NOTES

2000 12th FLADE TOWER • BUFFALO, NY 14203-3722
 (716) 871-4110 • www.chacorp.com

CHACORP

2009 12th FLADE TOWER • BUFFALO, NY 14203-3722
 (716) 871-4110 • www.chacorp.com

CHACORP

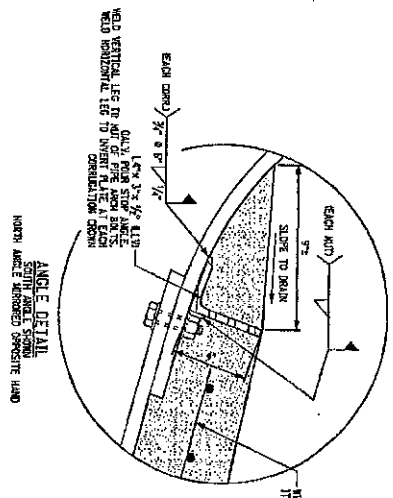
No.	Revised / Revision	App'd	By	Date

Issue Date: MAY 2010 Project No.: 2009-01444 Issue: 1/10

Drawn: CHJ Street: JS Check: CHJ

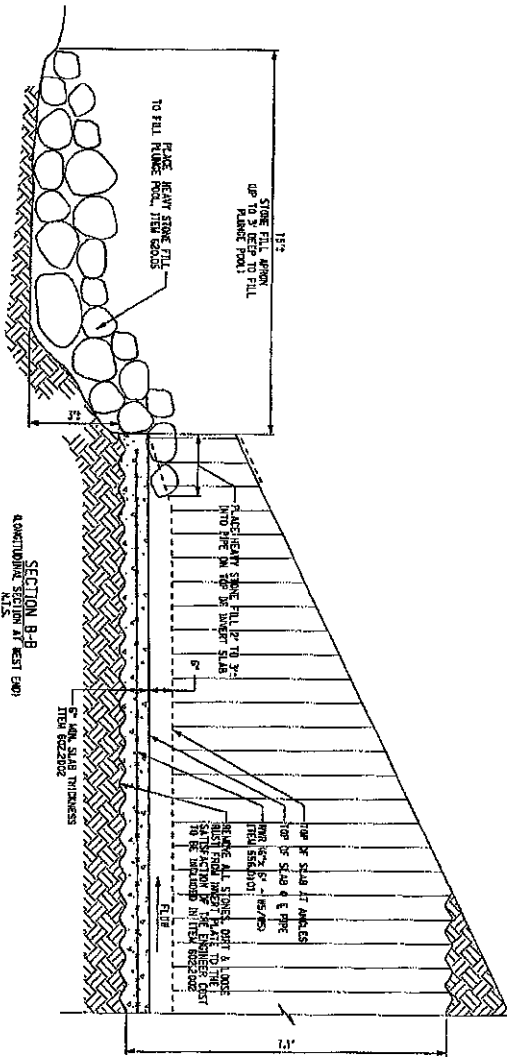
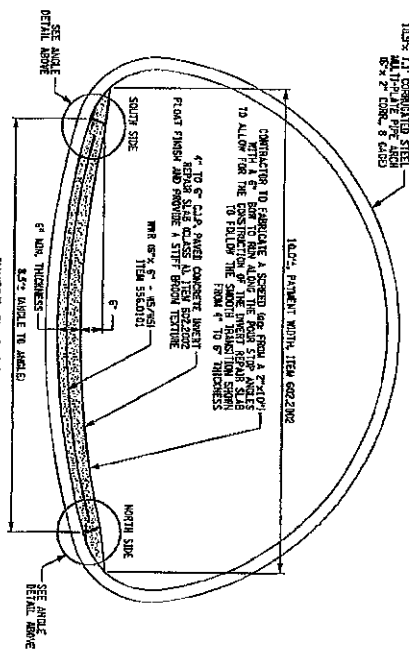
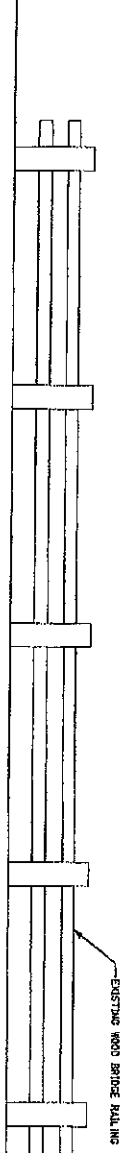
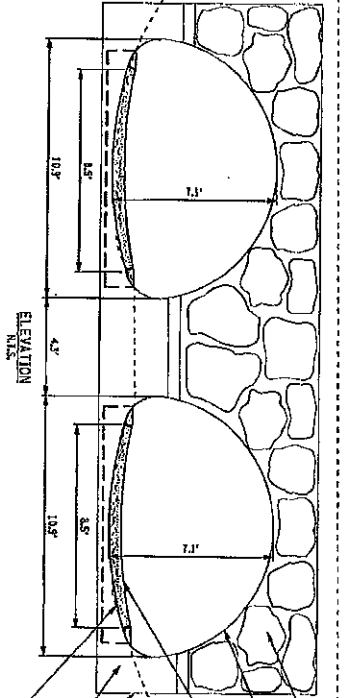
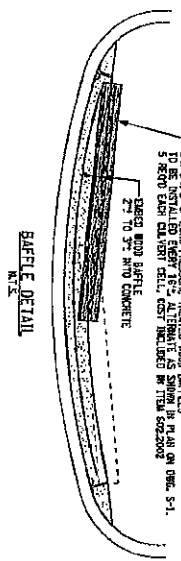
SEQUENCE OF WORK:

1. ABUTTLE
2. OPERATE INTO WEST ONE CELL BY MEANS OF SHIMMERS OR OTHER APPROVED WATERWAY DIVERSION STRUCTURES.
3. REMOVE ALL DIRT, STONES, LOGS, MUD BY MEANS OF HAND OR POWERED DREDGE, MUCK, CUT, LAUNCH, LAYERED RAKE FOR EXPOSED SAND, GRAVEL, FILL. ALL PRESSURE TREATED WOOD BARKLES FOR CONCRETE.
4. INSTALL FORM STOP ANGLES TO THE ABUT.
5. CONSTRUCT BACKCASTS AT EACH END OF FIRST CELL.
6. PLACE CURB CONCRETE INVERT SLAB. PLACE FINISH & PROVIDE A STIFF-BROWN TEXTURE. INSTALL PRESSURE TREATED WOOD BARKLES DURING INVERT SLAB POUR.
7. SET CURB FOR 2 DAYS OR APPLY CURING COMPOUND.
8. REMOVE FORMS/SHIMMERS FROM INTERCONNECT.
9. REPAIR SANDCASTS OR OTHER WATERWAY DIVERSION STRUCTURE TO DIVERT FLOW INTO THE COMPLETED CELL.
10. REPEAT NO. 3 TO 9 FOR 2ND CELL.
11. PLACE HEAVY STONE FILL ABOVE AT WEST END TO FILL POND FROM AND PLACE HEAVY STONE FILL AT WEST BANK ONLY ON EAST END.



APPROXIMATE CONCRETE QUANTITIES

INVERT SLABS	340 CY FOR IMPROVEMENT ONLY
BASED ON THE PER LENGTH OF 33'-0"	
OF 18" SLAB THICKNESS AND WIDTH OF 7.5 FT TO FILL	
CONCRETE TOLERANCES & VOLUMES BEHIND INVERT SLAB	
THE COST OF CLASS A, CLASS D OR CLASS H	
CONCRETE FOR THE INVERT SLAB SHALL	
BE AS PER THE SPECIFICATIONS ON A PER OF BASIS.	
FINISH SHALL BE 125% OF THE VOLUMES	



Aurora, Town of - Brooklea Drive Bridge
 (2260840)
 D/A Processing No. 2009-01444
 Erie County, NY
 Sheet 4 of 4

S2

VILLAGE OF EAST AURORA
 BROOKLEA DRIVE OVER
 TANNERY BROOK
 BRIDGE REHABILITATION
 ELEVATION, SECTION & DETAILS

Issue Date: MAY 2010 Project No: 50091 Scale: NTS

CHA

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Developed: GH Drawn: JS Checked: GH



DATE	BY	CHKD