

TOWN OF SCHODACK  
RENSSELAER COUNTY, NEW YORK  
PUBLIC NOTICE

The Town of Schodack will hold a public hearing on June 27, 2019 at 7:10 pm at Town Offices, 265 Schuurman Road, Castleton, NY 12033 for the purpose of hearing public comments on the Town of Schodack's community development needs, and to discuss the possible submission of one or more Community Development Block Grant (CDBG) applications for the 2019 program year. The CDBG program is administered by the New York State Office of Community Renewal (OCR), and will make available to eligible local governments funding for housing, economic development, public facilities, public infrastructure, and planning activities, with the principal purpose of benefitting low/ moderate income persons. The hearing will provide further information about the CDBG program and will allow for citizen participation in the development of any proposed grant applications and/or to provide technical assistance to develop alternate proposals. Comments on the CDBG program or proposed project(s) will be received at this time. The hearing is being conducted pursuant to Section 570.486, Subpart I of the CFR and in compliance with the requirements of the Housing and Community Development Act of 1974, as amended.

If special accommodations are needed for persons with disabilities, those with hearing impairments, or those in need of translation from English, those individuals should contact Town Clerk Debra L. Curtis, 265 Schuurman Road, Castleton, NY 12033, Tel. (518) 477-7590 at least one week in advance of the hearing date to allow for necessary arrangements. Written comments may also be submitted to Supervisor David Harris at Town of Schodack 265 Schuurman Road, Castleton, NY 12033 until [REDACTED] which is the last date to receive comments.

Dated: \_\_\_\_\_

DEBRA L. CURTIS  
TOWN CLERK  
TOWN OF SCHODACK  
265 SCHUURMAN ROAD  
CASTLETON, NY 12033  
RENSSELAER COUNTY

Public Hearing  
2019-191

**KarJAL TRUCKING and Excavation Contracting**  
PO Box 184, Castleton NY 12033 - (518) 732 - 4013

Schodack Town Hall  
265 Schuurman Road  
Castleton, New York 12033  
Attn: Supervisor David Harris (and Town Board Members)

May 3, 2019

Re: Proposed Al Symington Fill Site (KarJAL Trucking and Excavation Contracting)  
1191 Brookview Station Road - Town of Schodack

Dear Supervisor Harris and Town Board Members:

KarJAL Trucking and Excavation Contracting, (Al Symington) respectfully requests to appear in front of the Town Board to petition to dump clean fill at our site on 1191 Brookview Station Road in Schodack. Please see the attached plan showing the area that we are proposing to fill. All material brought to the site will be free of large pieces of wood, concrete and asphalt. The area after filling would be returned to its natural vegetative state.

We appreciate your cooperation in this matter and look forward to meeting with you. Should you have any questions please feel free to contact us at the above number.

Very truly yours,



Mr. Al Symington

cc: Mrs. Nadine Fuda, Director of Planning  
Mr. Richard Laberge, PE - Laberge Group  
file/symingtontb19-1

**BASIC STORMWATER POLLUTION PREVENTION  
PLAN & STORMWATER MANAGEMENT SYSTEM  
ENGINEERING REPORT**

**FOR**

**1191 Brookview Station Road  
Town of Schodack, New York**

**April 2019**

**Applicant:**

**Al Symington  
P.O. Box 187  
Castleton, NY 12033**

**Prepared by:**

**Advance Engineering & Surveying PLLC  
11 Herbert Drive  
Latham, New York 12110  
518-698-3772**

Unauthorized alteration or addition to this document is a violation of section 7209 Subdivision 2 of the New York State Education Law.

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Surveying PLLC  
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UNAUTHORIZED DUPLICATION IS A VIOLATION OF APPLICABLE LAWS.





Drawn By:  
**DAH**

Checked By:  
**STEVE HART PE**

Date Issued:  
**APRIL 2019**

SCALE:  
**1" = 400'**

Drawing Number:  
**Figure 6**

Project Name:  
**SYMINGTON**

Drawing Title:  
**AERIAL MAP**

File Name:  
**AERIAL MAP.DWG**



1969 Ferndale Road // Castleton, New York 12033 // office: 518.479.4014

NO.	DATE	REVISION



**ENVIRONMENTAL ENGINEERING & RESEARCH, INC.**  
 CONSULTING ENGINEERS & ARCHITECTS  
 110 WEST 42ND STREET, NEW YORK, N.Y. 10018  
 212-692-1200

**GROUND AND EROSION CONTROL PLAN**  
 FOR SITE LOCATED AT  
 1-11 BROOKVIEW STATION AVENUE  
 BROOKLYN, NEW YORK

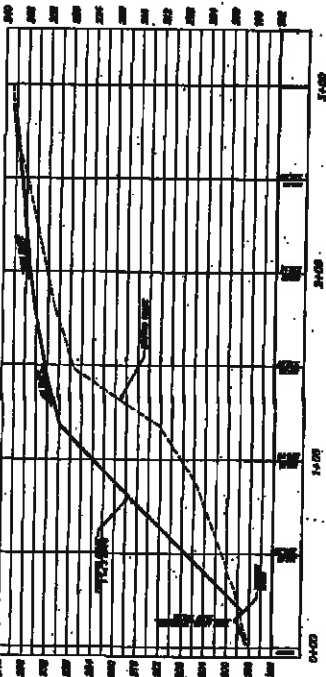
**GRID**  
 1" = 100'



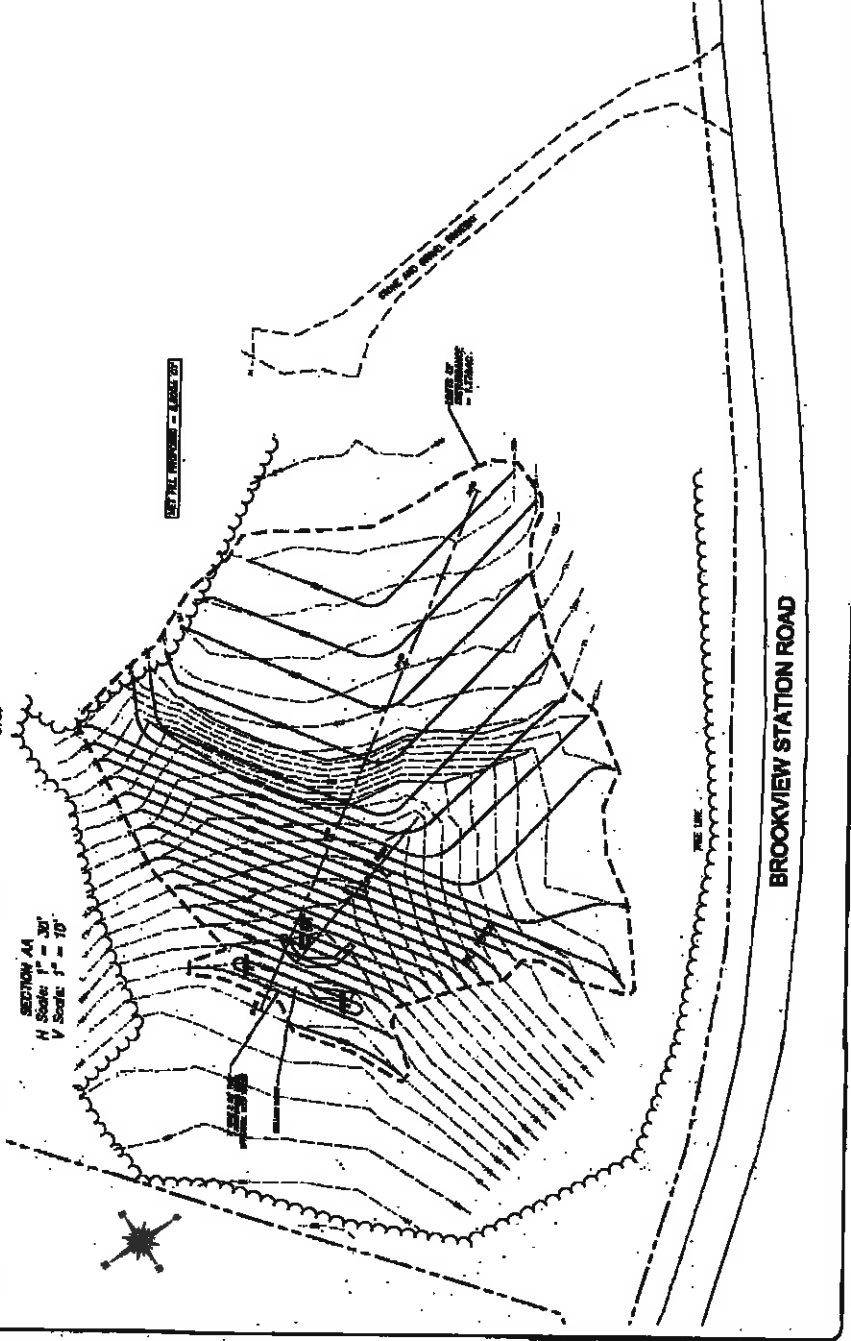
AERIAL PHOTOGRAPH  
 1968

- NOTES:**
1. THIS PLAN IS TO BE CONSIDERED AS A PRELIMINARY DESIGN ONLY. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL NECESSARY PERMITS AND APPROVALS FROM THE APPROPRIATE AGENCIES.
  2. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL NECESSARY PERMITS AND APPROVALS FROM THE APPROPRIATE AGENCIES.
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  9. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL NECESSARY PERMITS AND APPROVALS FROM THE APPROPRIATE AGENCIES.
  10. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL NECESSARY PERMITS AND APPROVALS FROM THE APPROPRIATE AGENCIES.

**OWNER:**  
 AT STATION  
 PO BOX 100  
 BROOKLYN, NY 11203



SECTION AA  
 H Scale: 1" = 30'  
 V Scale: 1" = 10'



BROOKVIEW STATION ROAD





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### **Introduction**

The purpose of this report is to present the impact and the proposed mitigation resulting from the proposed construction of a Soils spoil area at 1191 Brookview Station Road which is in compliance with the Town of Schodack Requirements for site disturbance. Per the current General Permit for Construction Discharges SPDES GP-0-15-002, construction activities involving soil disturbance of (1) or more acres of land but less than (5) acres are required to prepare a SWPPP. The total soil disturbance area for the proposed project is approximately 1.37 acres. Therefore, a full SWPPP for the project is not required. Since the proposed clearing and grading for the subject project site is less than 5 acres only a basic SWPPP is required. This basic SWPPP is incorporated into the relevant sections of this report.

### **Existing Conditions**

The subject parcel is approximately 20.9 +/- acres in area being irregular in shape consisting of existing wood frame structures, gravel driveway, gravel roads, woods, grass and a clean fill spoil area. The site is bounded by Brookview Station Road on the south, single family on the west and easterly sides and Gould Orchard on the northerly side. Frontage along Brookview Station Road is approximately 1,435 feet.

### **Vegetative Cover**

Site cover consists of roofs, gravel, woods and lawn.

### **Topography**

The topography varies from 3-8% sloping westerly on the easterly half of the site and increases too steep on the westerly side of the site. Stormwater runoff sheet flows across the site in a westerly direction.

### **Soils**

The National Cooperative Soil Survey (NCSS) indicates that the onsite soils in the area of disturbance is Hudson and Rhinebeck silt loams. The Hudson soils are deep and moderately well drained formed in silt and clay deposits. The top layer is typically 5 inches thick being dark brown silt loam. The sublayer extends 28 inches being a yellowish brown silty clay on top and brown silty clay on the bottom. From 28 - 60 inches is grayish brown silty clay. Permeability is moderately slow in the surface layer and very slow in the sublayers. Depth to seasonal high groundwater is typically 1.5-2.0 feet below ground in early spring. Depth to rock is over 5 feet.

The Rhinebeck soils are deep and poorly drained formed in silt and clay deposits. The top layer is typically 8 inches thick being dark brown silt loam. The sublayer extends 36 inches being a light brown silty clay loam on top and dark brown silty clay loam on the bottom. From 36 - 62 inches is dark grayish brown silty clay loam. Permeability is moderately slow in the surface layer and very slow in the sublayers. Depth to seasonal high groundwater is typically 0.5-1.5 feet below ground in early spring. Depth to rock is over 5 feet. The above-identified soils are further classified by the Soils Conservation Service (SCS) depending on the soils type, into a hydrologic soil group. Depending upon the cover type and the hydrologic condition, the soil groups are assigned curve numbers that represent the storm water runoff condition. The following is a tabular summary of these

parameters for the soils component of the project site that will be developed with the proposed residence.

<u>Soil Name and Symbol</u>	<u>Hydrologic Group</u>	<u>Slope</u>
Hudson (HuE)	C/D	Steep
Rhinebeck (RhB)	C/D	3 - 8%

Hydrologic Group A/B soils have low runoff potential and high infiltration rates. Hydrologic Group C/D soils have high runoff potential and low infiltration rates

For the stormwater analysis we modeled the site as Hydrologic Type C Soils for the Pre and Post development conditions.

### Proposed Improvements

The proposed improvements consists of completing the spoil area grading and vegetative cover over the 1.37 acre disturbance area. Approximately 8,800 cubic yards of clean spoil material is required to reshape the slope. Placement of the imported spoil material will be in 12" compacted lifts. A permanent stilling basin will be constructed at the bottom of the slope with a turf reinforced level earth berm spreader.

### Project Basic SWPPP Plan Objective

The primary objective of the Basic SWPPP is to maintain water quality during the construction phase by implementing Best Management Practices (BMP) that have a proven record of preventing sedimentation associated with construction operations from leaving the project site. The planning of the Basic SWPPP has held as a prime objective the protection of water quality. After development, the surface water leaving the project site will be free of sediments. During construction, the disturbance of the site soils occurring during the construction operations results in altered grades and removal of vegetation which leads to greater runoff velocities and volumes in addition to the generation of sediment and soil erosion as a result from natural occurrences such as rainstorms and winds.

These potential impacts are mitigated during the construction phase by ensuring that:

- A. Erosion and Sediment Controls are in place as a first line of treatment during construction.
- B. That disturbed areas that advance to final grade are properly seeded in order to establish a vegetative layer, or are stabilized by other means in order to reduce the Erosion and Sediment generation.

### Construction Management

Compliance with the Town's Grading Permit and the "New York State Standards and Specifications for Erosion and Sediment Control" requires a program that manages stormwater through ongoing careful review and monitoring of the project site. The narrative, which follows, explains techniques and measures employed to protect water quality during construction.

1. The Contractor will be responsible for:

- a. Delineating the disturbance limits in the field with erosion control barrier.
- b. Constructing and maintaining temporary erosion control features.
- c. Monitoring surface water quality during construction.
- d. Continual updating of the Basic SWPPP and field erosion control measures.

The Owner and principal Contractor will be responsible for informing all other contractors working on the project site of the conditions of the Grading Permit and ensure their compliance with this Basic SWPPP.

#### **Construction Sequence Schedule**

1. Obtain plan approval and all applicable permits.
2. Flag the work limits and property boundary for protection.
3. Hold pre-construction conference at least one week prior to starting construction with Town of Schodack Stormwater Office Personnel.
4. Install sediment fence as the first construction activity.
5. Delineate construction vehicles access routes.
6. Rough grade site, stockpile topsoil, install erosion protection around stockpile, excavate for building foundation and maintain sediment fence as needed.
7. Finish the slopes as soon as rough grading is complete. Leave the surface slightly roughened and vegetate and mulch immediately.
8. Complete final grading for parking area. Install topsoil in critical areas, and permanently vegetate, landscape, and mulch.
9. All erosion and sediment control practices will be inspected weekly and after rainfall events. Needed repairs will be made immediately.
10. Once minimum of 80% vegetation has been established on the disturbed areas, remove all temporary measures and install permanent vegetation on the disturbed areas.

#### **Construction Process and Phasing**

In order to minimize soil exposure, which affects the magnitude of the erosion and sedimentation potential, the site opened for earthwork operation will be only at those areas scheduled for imminent construction. The entire site will not be exposed and left un-worked. The site work will be divided into a series of phases that will commence with a phase composed of site clearing and will conclude with the seeding operations. During construction operations, the contractor will ensure that critical areas are protected by the guidelines presented herein. Furthermore, these guidelines will be reviewed daily and modifications will be implemented in anticipation of predicted weather conditions, soil handling issues, and as determined by the Contractor and reviewed by the Engineer.

#### **Management of Construction Debris and Storage of Construction Materials**

The project site will be managed in a neatly and established manner as discussed during the pre-construction meeting. The Contractor will establish dedicated locations for the storage of construction materials. Construction debris will be actively managed by disposal into dedicated waste containers. Field personnel will be instructed to carry any loose waste materials found and/or

generated at the site into the waste containers. The waste containers will be replaced or emptied upon reaching its filling limits.

### **Erosion and Sediment Control Features**

Erosion and Sediment Control Facilities will be erected at the start of the construction process. While all erosion control measures begin as "temporary", some elements of these features remain in-place long term to continue the protection of the resource adjacent to the development project.

The Erosion and Sediment Control Measures to be employed are in accordance with the Best Management Practices as depicted in the manual "New York State Standards and Specifications for Erosion and Sediment Control" and are as follows:

- A. **Sediment Fence:** A sediment fence will be constructed around the topsoil stockpile and along the downstream side of the limits of disturbance to prevent sediment from exiting the site.
- B. **Temporary Sediment Trap:** A type 1 temporary sediment trap with a piped outlet will be installed at the base of the slope capturing sediment laden runoff from the slope via sheet flow. The sediment trap will allow heavy sediments to settle while dewatering the runoff through filter fabric and a crushed stone filter.
- C. **Surface Roughening:** The 3:1 cut slopes will be lightly roughened by disking just prior to vegetating, and the surface 4 to 6 inches of the 3:1 fill slopes will be left in a loose conditions and grooved on the contour.
- D. **Surface Stabilization:** The project site will rely primarily on vegetative stabilization for the vast majority of those areas susceptible to erosion. Areas that are persistent erosion problems will be specially treated to ameliorate sediment transport and organic soil loss.
- E. **Dust Control:** Should excessive dust be generated, it will be controlled by means of a sprinkler system designed to suppress the dust.

### **Erosion and Sediment Control Phasing**

<b>Phases of Construction Activities</b>		
<b>Phase of Construction</b>	<b>Description of Area</b>	<b>Approximate Area (Acres)</b>
1	Install silt fence, temporary sediment trap and construction entrance.	1.4
2	Place spoil material on slope in 12" compacted lifts. Maintain erosion control devices as needed.	1.4
3	Fine grade and spread topsoil. Seed, mulch and water as needed. Reseed areas that have not achieved 80% growth, mow and water lawn areas, reseed bare areas as required.	1.4
6	Perform site clean-up, remove erosion control devices, mow lawn areas as required	NA
<b>Total Area of Disturbance</b>		<b>1.4 +/-</b>

**Note:** All idle areas of the site shall receive a minimum of 4-inches topsoil, seed & mulch. At no time shall disturbance to the site exceed 1.4 acres. Contractor shall water, mow and re-seed disturbed areas as required throughout the duration of the project.

### **Erosion and Sediment Maintenance**

The following set of review guidance and criteria will be employed during erosion and sediment control maintenance. The supervision of this program in the field shall be performed by the Contractor:

- A. All erosion and sediment control practices will be checked for stability and operation following every runoff-producing rainfall but in no case less than once every week. Any needed repairs will be made immediately to maintain all practices as designed.
- B. Sediment will be removed from the sediment fence when it becomes about 12-inches deep at the fence. The sediment fence will be repaired as necessary to maintain its intended function.
- C. All seeded areas will be fertilized, re-seeded as necessary and mulched according to specifications in the vegetative plan to maintain a vigorous, dense vegetative cover.

### **Stormwater Management Engineering Analysis Proposed Stormwater Management System**

This section presents and discusses the analysis and design of the Proposed Development Stormwater Management System. This analysis has calculated the Pre-development and Post-development runoff from the site and establishes the parameters for the Stormwater Management facilities and their discharge rates.

The stormwater analysis for this site, for pre and post development scenario, was performed utilizing the SCS-TR20 Method and was modeled with the Hydrocad Software package. The soils Curve Number (CN) presented in the soils section above were used in the modeling of the stormwater system and analysis.

### **Pre-Development Conditions – Watershed Analysis:**

The 1.4 acre area of disturbance is identified as Subcatchment 1. Following is a detailed discussion of the subcatchment.

#### **Pre-subcatchment No. 1**

Pre-subcatchment #1 is approximately 1.4 acres in area consisting of clean imported fill material. The existing placed fill material soil does not have substantial vegetative cover and was modeled as Fallow, bare soil. The curve number for type C soils, Fallow bare soil is 91. Existing time of concentration is fast at 2.9 minutes.

The following Table 1 presents a summary of the analysis. In addition, Appendix B contains the detailed computer output for the analysis summarized in Table 1.

**Table 1  
Pre Development Peak Runoff**

Storm Event	Pre Subcatchment #1 $Q_{peak}$ (CFS)
10-year	8.32

**Post-Development Conditions:**

With the completion of placing imported fill, topsoil, seed and mulch the curve number for Post subcatchment 1 has decreased from 91 to 74. The addition of topsoil and a vegetative cover over the 1.4 acre area has increased the time of concentration from 2.9 minutes to 6.7 minutes.

Table 2 below presents the pre and post development analysis for the project site. In addition, Appendix C contains the detailed computer output for the analysis summarized in Table 2.

**Table 2  
Presubcatchment 1 versus Post Subcatchment 1 Peak Runoff Comparison**

Storm Event	Pre Subcatchment #1 $Q_{peak}$ (CFS)	Post Subcatchment #1 $Q_{peak}$ (CFS)
10-year	8.32	4.23

The above post peak flows are less than the existing or precondition peak flows, therefore stormwater mitigation is not required.

**SUMMARY**

This Engineering Report has presented and outlined the analysis and design of the Stormwater Management System components for the proposed improvements at 1191 Brookview Station Road. The post-development stormwater drainage analysis has shown that the completion of placing fill material to the grades shown on the construction plans, installing topsoil, seeding and mulching the disturbed area will decrease the stormwater runoff existing the site.

Additionally, this Report has also presented the basic SWPPP that will be implemented at the project site to prevent and control the generation of erosion and sediments associated with the disturbance of ground surfaces during the construction process.

These systems, when constructed as designed, will function adequately and will not adversely affect downstream watercourses, structures or properties.

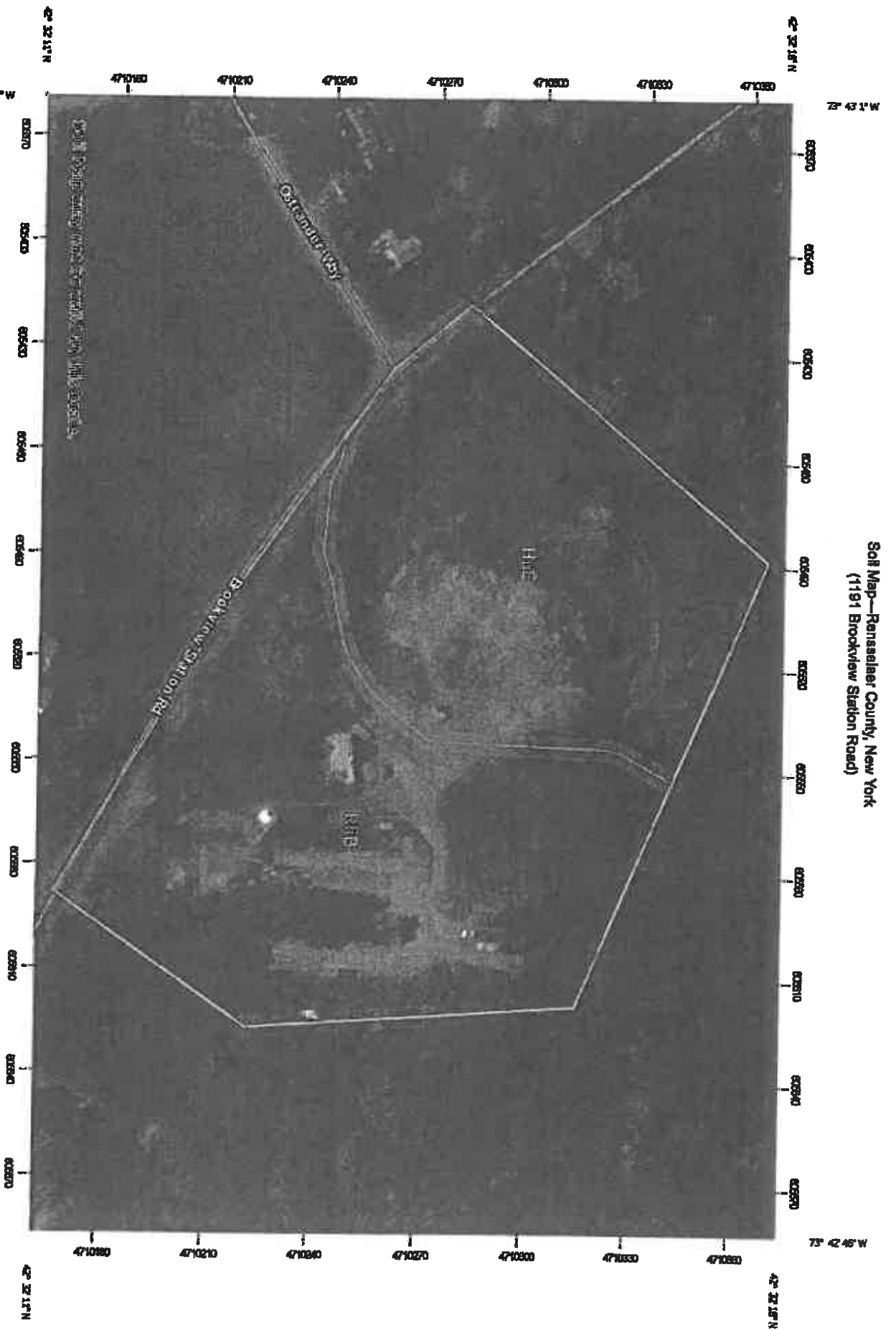
Respectfully submitted:

Advance Engineering & Surveying PLLC  
Nicholas Costa, P.E.  
N.Y.S. License No. 074677

# APPENDIX A

## USDA Soils Map

Soil Map—Rensselaer County, New York  
 (1191 Brookview Station Road)














































Map Scale: 1:1,500 (printed on A landscape (11" x 8.5") sheet)



Map projection: Web Mercator Corner coordinates: WGS84 Edge kcs: UTM Zone 18N WGS84



## MAP LEGEND

	Area of Interest (AOI)		Soil Area
	Area of Interest (AOI)		Stony Spot
	Soils		Very Stony Spot
	Soil Map Unit Polygons		Wet Spot
	Soil Map Unit Lines		Other
	Soil Map Unit Points		Special Line Features
	Special Point Features		Water Features
	Blowout		Streams and Canals
	Borrow Pit		Transportation
	Clay Spot		+++
	Closed Depression		Rails
	Gravel Pit		Interstate Highways
	Gravelly Spot		US Routes
	Landfill		Major Roads
	Lava Flow		Local Roads
	Marsh or swamp		Background
	Mine or Quarry		Aerial Photography
	Miscellaneous Water		
	Perennial Water		
	Rock Outcrop		
	Saline Spot		
	Sandy Spot		
	Severely Eroded Spot		
	Sinkhole		
	Slide or Slip		
	Sodic Spot		

## MAP INFORMATION

The soil surveys that comprise your AOI were mapped at 1:15,800.

Warning: Soil Map may not be valid at this scale.

Enlargement of maps beyond the scale of mapping can cause misunderstanding of the detail of mapping and accuracy of soil line placement. The maps do not show the small areas of contrasting soils that could have been shown at a more detailed scale.

Please rely on the bar scale on each map sheet for map measurements.

Source of Map: Natural Resources Conservation Service  
Web Soil Survey URL:

Coordinate System: Web Mercator (EPSG:3867)

Maps from the Web Soil Survey are based on the Web Mercator projection, which preserves direction and shape but distorts distance and area. A projection that preserves area, such as the Albers equal-area conic projection, should be used if more accurate calculations of distance or area are required.

This product is generated from the USDA-NRCS certified data as of the version date(s) listed below.

Soil Survey Area: Rensselaer County, New York  
Survey Area Date: Version 15, Sep 3, 2018

Soil map units are labeled (as space allows) for map scales 1:50,000 or larger.

Date(s) aerial images were photographed: Mar 18, 2016—Oct 18, 2017

The orthophoto or other base map on which the soil lines were compiled and digitized probably differs from the background imagery displayed on these maps. As a result, some minor shifting of map unit boundaries may be evident.

## Map Unit Legend

Map Unit Symbol	Map Unit Name	Acres in AOI	Percent of AOI
HuE	Hudson silt loam, steep	2.8	44.1%
RhB	Rhinebeck silt loam, 3 to 8 percent slopes	3.5	55.9%
Totals for Area of Interest		6.2	100.0%

## Engineering Properties

This table gives the engineering classifications and the range of engineering properties for the layers of each soil in the survey area.

*Hydrologic soil group* is a group of soils having similar runoff potential under similar storm and cover conditions. The criteria for determining Hydrologic soil group is found in the National Engineering Handbook, Chapter 7 issued May 2007 (<http://directives.sc.egov.usda.gov/OpenNonWebContent.aspx?content=17757.wba>). Listing HSGs by soil map unit component and not by soil series is a new concept for the engineers. Past engineering references contained lists of HSGs by soil series. Soil series are continually being defined and redefined, and the list of soil series names changes so frequently as to make the task of maintaining a single national list virtually impossible. Therefore, the criteria is now used to calculate the HSG using the component soil properties and no such national series lists will be maintained. All such references are obsolete and their use should be discontinued. Soil properties that influence runoff potential are those that influence the minimum rate of infiltration for a bare soil after prolonged wetting and when not frozen. These properties are depth to a seasonal high water table, saturated hydraulic conductivity after prolonged wetting, and depth to a layer with a very slow water transmission rate. Changes in soil properties caused by land management or climate changes also cause the hydrologic soil group to change. The influence of ground cover is treated independently. There are four hydrologic soil groups, A, B, C, and D, and three dual groups, A/D, B/D, and C/D. In the dual groups, the first letter is for drained areas and the second letter is for undrained areas.

The four hydrologic soil groups are described in the following paragraphs:

*Group A.* Soils having a high infiltration rate (low runoff potential) when thoroughly wet. These consist mainly of deep, well drained to excessively drained sands or gravelly sands. These soils have a high rate of water transmission.

*Group B.* Soils having a moderate infiltration rate when thoroughly wet. These consist chiefly of moderately deep or deep, moderately well drained or well drained soils that have moderately fine texture to moderately coarse texture. These soils have a moderate rate of water transmission.

*Group C.* Soils having a slow infiltration rate when thoroughly wet. These consist chiefly of soils having a layer that impedes the downward movement of water or soils of moderately fine texture or fine texture. These soils have a slow rate of water transmission.

*Group D.* Soils having a very slow infiltration rate (high runoff potential) when thoroughly wet. These consist chiefly of clays that have a high shrink-swell potential, soils that have a high water table, soils that have a claypan or clay layer at or near the surface, and soils that are shallow over nearly impervious material. These soils have a very slow rate of water transmission.

*Depth* to the upper and lower boundaries of each layer is indicated.

*Texture* is given in the standard terms used by the U.S. Department of Agriculture. These terms are defined according to percentages of sand, silt, and clay in the fraction of the soil that is less than 2 millimeters in diameter. "Loam," for example, is soil that is 7 to 27 percent clay, 28 to 50 percent silt, and less than 52 percent sand. If the content of particles coarser than sand is 15 percent or more, an appropriate modifier is added, for example, "gravelly."

*Classification* of the soils is determined according to the Unified soil classification system (ASTM, 2005) and the system adopted by the American Association of State Highway and Transportation Officials (AASHTO, 2004).

The Unified system classifies soils according to properties that affect their use as construction material. Soils are classified according to particle-size distribution of the fraction less than 3 inches in diameter and according to plasticity index, liquid limit, and organic matter content. Sandy and gravelly soils are identified as GW, GP, GM, GC, SW, SP, SM, and SC; silty and clayey soils as ML, CL, OL, MH, CH, and OH; and highly organic soils as PT. Soils exhibiting engineering properties of two groups can have a dual classification, for example, CL-ML.

The AASHTO system classifies soils according to those properties that affect roadway construction and maintenance. In this system, the fraction of a mineral soil that is less than 3 inches in diameter is classified in one of seven groups from A-1 through A-7 on the basis of particle-size distribution, liquid limit, and plasticity index. Soils in group A-1 are coarse grained and low in content of fines (silt and clay). At the other extreme, soils in group A-7 are fine grained. Highly organic soils are classified in group A-8 on the basis of visual inspection.

If laboratory data are available, the A-1, A-2, and A-7 groups are further classified as A-1-a, A-1-b, A-2-4, A-2-5, A-2-6, A-2-7, A-7-5, or A-7-6. As an additional refinement, the suitability of a soil as subgrade material can be indicated by a group index number. Group index numbers range from 0 for the best subgrade material to 20 or higher for the poorest.

*Percentage of rock fragments* larger than 10 inches in diameter and 3 to 10 inches in diameter are indicated as a percentage of the total soil on a dry-weight basis. The percentages are estimates determined mainly by converting volume percentage in the field to weight percentage. Three values are provided to identify the expected Low (L), Representative Value (R), and High (H).

*Percentage (of soil particles) passing designated sieves* is the percentage of the soil fraction less than 3 inches in diameter based on an oven-dry weight. The sieves, numbers 4, 10, 40, and 200 (USA Standard Series), have openings of 4.76, 2.00, 0.420, and 0.074 millimeters, respectively. Estimates are based on laboratory tests of soils sampled in the survey area and in nearby areas and on estimates made in the field. Three values are provided to identify the expected Low (L), Representative Value (R), and High (H).

*Liquid limit and plasticity index (Atterberg limits)* indicate the plasticity characteristics of a soil. The estimates are based on test data from the survey area or from nearby areas and on field examination. Three values are provided to identify the expected Low (L), Representative Value (R), and High (H).

References:

American Association of State Highway and Transportation Officials (AASHTO). 2004. Standard specifications for transportation materials and methods of sampling and testing. 24th edition.

American Society for Testing and Materials (ASTM). 2005. Standard classification of soils for engineering purposes. ASTM Standard D2487-00.

## Report—Engineering Properties

Absence of an entry indicates that the data were not estimated. The asterisk \* denotes the representative texture; other possible textures follow the dash. The criteria for determining the hydrologic soil group for individual soil components is found in the National Engineering Handbook, Chapter 7 issued May 2007 (<http://directives.sc.egov.usda.gov/OpenNonWebContent.aspx?content=17757.wba>). Three values are provided to identify the expected Low (L), Representative Value (R), and High (H).

National Engineering Soil Profile	Soil Profile	Hydrologic Group	USDA texture	Classification	Pet Fragments			Percentage passing sieve number			Liquidity Index	Plasticity Index	
					0-10 inches	10-30 inches	30-60 inches	4	10	20			200
HuE—Hudson silt loam, steep					L-R-H	L-R-H	L-R-H	L-R-H	L-R-H	L-R-H	L-R-H	L-R-H	
Hudson	80	C/D	Silt loam	CL, CL-ML, ML, OL	0-0-0	0-0-0	0-0-0	95-100-100	95-100-100	85-95-100	65-80-95	25-37-48	5-12-19
			Silty clay, silty clay loam	CH, CL	0-0-0	0-0-0	0-0-0	92-100-100	85-100-100	80-95-100	70-90-95	35-50-65	15-25-35
			Silty clay, silty clay loam	CH, CL	0-0-0	0-0-0	0-0-0	95-100-100	85-100-100	80-95-100	70-90-95	35-50-65	15-25-35
			Silty clay, silt loam, clay	CH, CL	0-0-0	0-0-0	0-0-0	95-100-100	85-100-100	80-95-100	65-90-95	35-50-65	15-25-35
RhB—Rhinebeck silt loam, 3 to 8 percent slopes													
Rhinebeck	85	C/D	Silt loam	CH, CL, MH, ML	0-0-0	0-0-0	0-0-0	92-100-100	85-100-100	70-95-100	60-80-95	30-43-55	10-18-25
			Silty clay loam, silty clay	CH, CL	0-0-0	0-0-0	0-0-0	92-100-100	85-100-100	75-95-100	65-90-95	30-43-55	15-23-30
			Silty clay loam, silty clay, clay	CH, CL	0-0-0	0-0-0	0-0-0	92-100-100	85-100-100	75-95-100	65-90-95	30-43-55	15-23-30

## Data Source Information

Soil Survey Area: Rensselaer County, New York  
Survey Area Data: Version 15, Sep 3, 2018

## APPENDIX B

# Pre-Development Conditions Analysis (Computer Output for the 10-Year Storm Event)





# Existing Conditions



**Existing Conditions**

Type II 24-hr 10-year Rainfall=4.20"

Prepared by {enter your company name here}

Printed 4/12/2019

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Page 2

**Summary for Subcatchment 1S: Existing Conditions**

Runoff = 8.32 cfs @ 11.93 hrs, Volume= 0.374 af, Depth&gt; 3.21"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-24.00 hrs, dt= 0.01 hrs  
Type II 24-hr 10-year Rainfall=4.20"

Area (ac)	CN	Description
1.400	91	Fallow, bare soil, HSG C
1.400		100.00% Pervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
2.4	100	0.0900	0.70		Sheet Flow, Fallow n= 0.050 P2= 2.80"
0.1	20	0.0900	3.00		Shallow Concentrated Flow, Nearly Bare & Untilled Kv= 10.0 fps
0.4	120	0.2000	4.47		Shallow Concentrated Flow, Nearly Bare & Untilled Kv= 10.0 fps
2.9	240	Total			

## APPENDIX C

# Post Development Conditions Analysis (Computer Output for the 10-Year Storm Event)



# Proposed Conditions



Routing Diagram for Proposed Conditions  
Prepared by {enter your company name here}, Printed 4/12/2019  
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**Proposed Conditions**

Type II 24-hr 10-year Rainfall=4.20"

Prepared by {enter your company name here}

Printed 4/12/2019

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Page 2

**Summary for Subcatchment 1S: Proposed Conditions**

Runoff = 4.23 cfs @ 11.98 hrs, Volume= 0.203 af, Depth> 1.74"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-24.00 hrs, dt= 0.03 hrs  
Type II 24-hr 10-year Rainfall=4.20"

Area (ac)	CN	Description
1.400	74	>75% Grass cover, Good, HSG C
1.400		100.00% Pervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
6.0	100	0.0800	0.28		Sheet Flow, Grass: Short n= 0.150 P2= 2.80"
0.3	40	0.0800	1.98		Shallow Concentrated Flow, Short Grass Pasture Kv= 7.0 fps
0.4	100	0.3300	4.02		Shallow Concentrated Flow, Short Grass Pasture Kv= 7.0 fps
6.7	240	Total			

# APPENDIX D

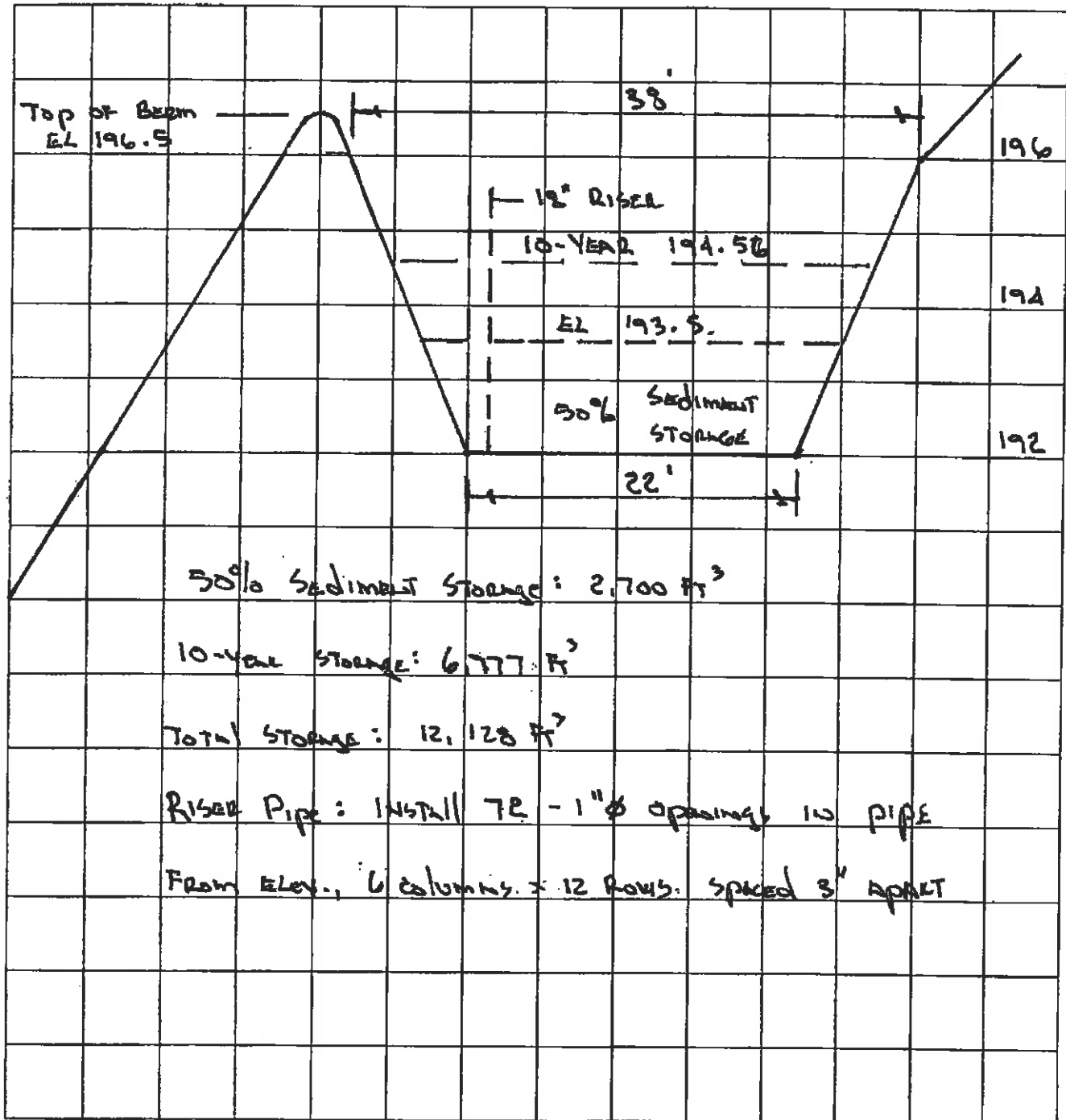
## Temporary Sediment Trap Calculations

# Advance Engineering & Surveying, PLLC

Consulting in: Civil & Environmental Engineering • Land Surveying • Land Development  
 11 Herbert Drive  
 Latham, N.Y. 12110  
 Phone: (518) 698-3372  
 Fax: (518) xxx-xxxx

[www.advanceengineering.com](http://www.advanceengineering.com)

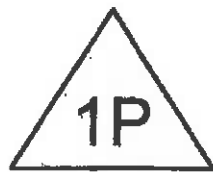
Nicholas Costa, PE &  
 John P. Petrucco, LS



**Temporary Sediment Trap Table**

Trap Type	Type of Outlet	Drainage Area (Acres)	Required Storage Volume (Ft <sup>3</sup> )	Bottom of Trap Elevation (Ft)	Length x Width (Ft)	Top of Trap Elevation (Ft)	Length X Width (Ft)	Barrel Diameter (Inches)	Riser Diameter (Inches)	Outlet Elevation (Ft)
I	Piped	1.50	5,400	192	22 x 92	196	38 x 108	15	18	192.0





Sediment Trap



Existing Conditions



**Sediment Trap**

Type II 24-hr 10-year Rainfall=4.20"

Prepared by {enter your company name here}

Printed 4/12/2019

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Page 2

**Summary for Subcatchment 1S: Existing Conditions**

Runoff = 8.32 cfs @ 11.93 hrs, Volume= 0.374 af, Depth> 3.21"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-24.00 hrs, dt= 0.01 hrs  
Type II 24-hr 10-year Rainfall=4.20"

Area (ac)	CN	Description
1.400	91	Fallow, bare soil, HSG C
1.400		100.00% Pervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
2.4	100	0.0900	0.70		Sheet Flow, Fallow n= 0.050 P2= 2.80"
0.1	20	0.0900	3.00		Shallow Concentrated Flow, Nearly Bare & Untilled Kv= 10.0 fps
0.4	120	0.2000	4.47		Shallow Concentrated Flow, Nearly Bare & Untilled Kv= 10.0 fps
2.9	240	Total			

**Summary for Pond 1P: Sediment Trap**

Inflow Area = 1.400 ac, 0.00% Impervious, Inflow Depth > 3.21" for 10-year event  
 Inflow = 8.32 cfs @ 11.93 hrs, Volume= 0.374 af  
 Outflow = 1.80 cfs @ 12.04 hrs, Volume= 0.363 af, Atten= 78%, Lag= 6.6 min  
 Primary = 1.80 cfs @ 12.04 hrs, Volume= 0.363 af

Routing by Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.01 hrs  
 Peak Elev= 194.56' @ 12.04 hrs Surf.Area= 3,307 sf Storage= 6,777 cf

Plug-Flow detention time= 79.0 min calculated for 0.363 af (97% of inflow)  
 Center-of-Mass det. time= 60.7 min ( 847.0 - 786.3 )

Volume	Invert	Avail.Storage	Storage Description
#1	192.00'	12,128 cf	Custom Stage Data (Prismatic) Listed below (Recalc)

Elevation (feet)	Surf.Area (sq-ft)	Inc.Store (cubic-feet)	Cum.Store (cubic-feet)
192.00	2,024	0	0
194.00	3,000	5,024	5,024
196.00	4,104	7,104	12,128

Device	Routing	Invert	Outlet Devices
#1	Primary	192.00'	15.0" Round Culvert L= 20.0' CPP, square edge headwall, Ke= 0.500 Inlet / Outlet Invert= 192.00' / 191.60' S= 0.0200 ' S= 0.0200 ' Cc= 0.900 n= 0.012, Flow Area= 1.23 sf
#2	Device 1	192.00'	1.0" VerL Orifice X 6.00 columns X 12 rows with 3.0" cc spacing C= 0.600

**Sediment Trap**

Type II 24-hr 10-year Rainfall=4.20"

Prepared by {enter your company name here}

Printed 4/12/2019

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Page 3

#3 Device 1 195.50' 18.0" Horiz. Orifice C= 0.600 Limited to weir flow at low heads

Primary OutFlow Max=1.80 cfs @ 12.04 hrs HW=194.56' (Free Discharge)

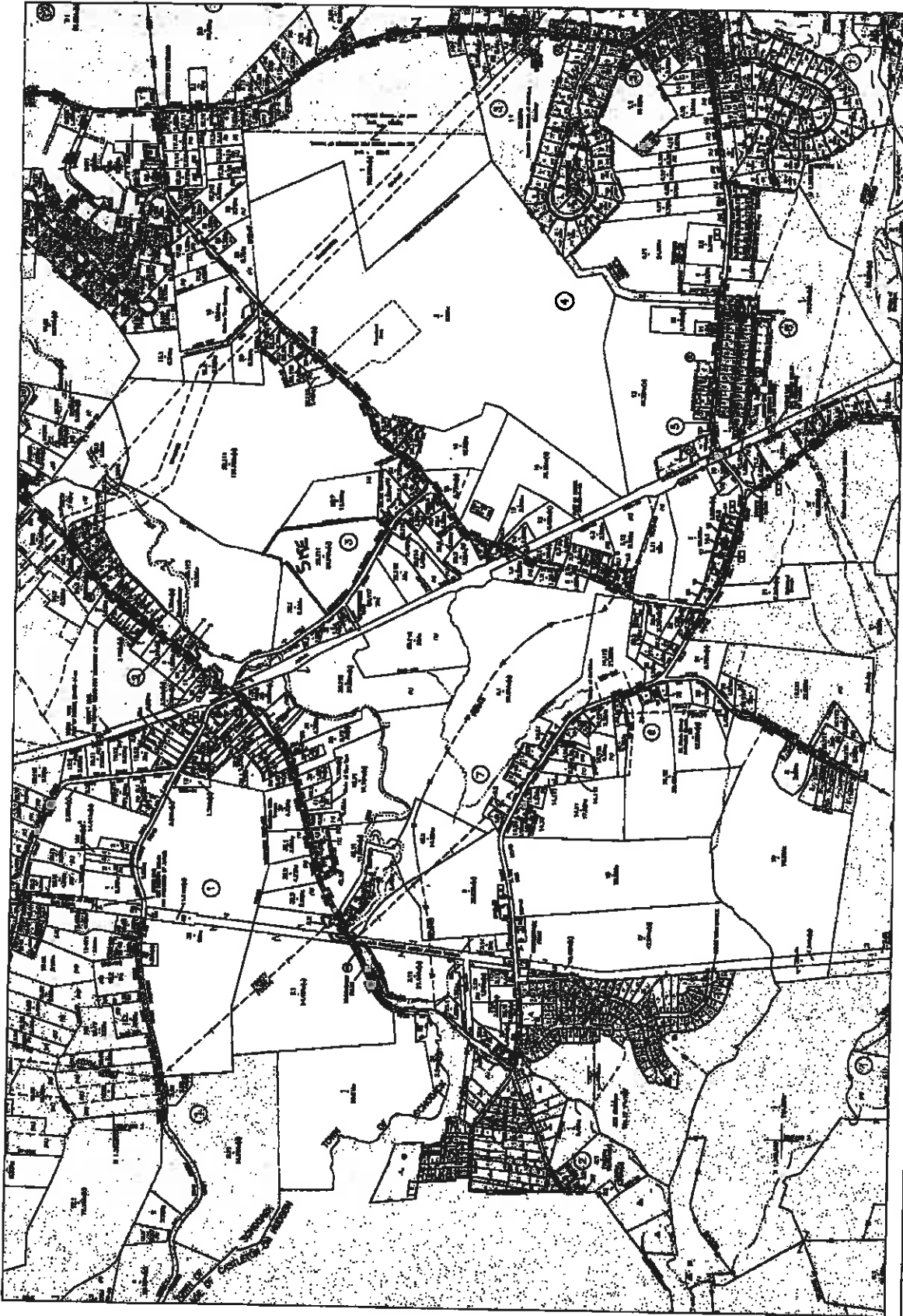
1=Culvert (Passes 1.80 cfs of 8.21 cfs potential flow)

2=Orifice (Orifice Controls 1.80 cfs @ 5.14 fps)

3=Orifice ( Controls 0.00 cfs)

APPENDIX E  
TOWN OF SCHODACK  
Tax Map #199.00

File: 19046 Basic Swppp



TOWN OF SCHODACK  
Schenectady County, New York

1850

TOWN OF SCHODACK		Schenectady County, New York	
Lot No.	Area	Owner	Remarks
1	1.00	John Doe	Acres
2	2.00	Jane Smith	Acres
3	3.00	Robert Johnson	Acres
4	4.00	Mary White	Acres
5	5.00	Thomas Brown	Acres
6	6.00	Elizabeth Green	Acres
7	7.00	William Black	Acres
8	8.00	Ann Gray	Acres
9	9.00	James Blue	Acres
10	10.00	Sarah Red	Acres
11	11.00	George Yellow	Acres
12	12.00	Patricia Purple	Acres
13	13.00	Richard Pink	Acres
14	14.00	Laura Orange	Acres
15	15.00	Charles Green	Acres
16	16.00	Michelle White	Acres
17	17.00	David Black	Acres
18	18.00	Jessica Brown	Acres
19	19.00	Christopher Gray	Acres
20	20.00	Amanda Blue	Acres
21	21.00	Matthew Red	Acres
22	22.00	Stephanie Yellow	Acres
23	23.00	Andrew Purple	Acres
24	24.00	Rebecca Pink	Acres
25	25.00	Jonathan Orange	Acres
26	26.00	Karen Green	Acres
27	27.00	Gregory White	Acres
28	28.00	Christina Black	Acres
29	29.00	Benjamin Brown	Acres
30	30.00	Samantha Gray	Acres
31	31.00	Timothy Blue	Acres
32	32.00	Deborah Red	Acres
33	33.00	Eric Yellow	Acres
34	34.00	Shirley Purple	Acres
35	35.00	Donald Pink	Acres
36	36.00	Michelle Orange	Acres
37	37.00	Robert Green	Acres
38	38.00	Laura White	Acres
39	39.00	James Black	Acres
40	40.00	Patricia Brown	Acres
41	41.00	Thomas Gray	Acres
42	42.00	Mary Blue	Acres
43	43.00	William Red	Acres
44	44.00	Ann Yellow	Acres
45	45.00	George Purple	Acres
46	46.00	Sarah Pink	Acres
47	47.00	Charles Orange	Acres
48	48.00	Elizabeth Green	Acres
49	49.00	Richard White	Acres
50	50.00	Michelle Black	Acres
51	51.00	Christopher Brown	Acres
52	52.00	Amanda Gray	Acres
53	53.00	Matthew Blue	Acres
54	54.00	Stephanie Red	Acres
55	55.00	Andrew Yellow	Acres
56	56.00	Rebecca Purple	Acres
57	57.00	Jonathan Pink	Acres
58	58.00	Karen Orange	Acres
59	59.00	Gregory Green	Acres
60	60.00	Christina White	Acres
61	61.00	Benjamin Black	Acres
62	62.00	Samantha Brown	Acres
63	63.00	Timothy Gray	Acres
64	64.00	Deborah Blue	Acres
65	65.00	Eric Red	Acres
66	66.00	Shirley Yellow	Acres
67	67.00	Donald Purple	Acres
68	68.00	Michelle Pink	Acres
69	69.00	Robert Orange	Acres
70	70.00	Laura Green	Acres
71	71.00	James White	Acres
72	72.00	Patricia Black	Acres
73	73.00	Thomas Brown	Acres
74	74.00	Mary Gray	Acres
75	75.00	William Blue	Acres
76	76.00	Ann Red	Acres
77	77.00	George Yellow	Acres
78	78.00	Sarah Purple	Acres
79	79.00	Charles Pink	Acres
80	80.00	Elizabeth Orange	Acres
81	81.00	Richard Green	Acres
82	82.00	Michelle White	Acres
83	83.00	Christopher Black	Acres
84	84.00	Amanda Brown	Acres
85	85.00	Matthew Gray	Acres
86	86.00	Stephanie Blue	Acres
87	87.00	Andrew Red	Acres
88	88.00	Rebecca Yellow	Acres
89	89.00	Jonathan Purple	Acres
90	90.00	Karen Pink	Acres
91	91.00	Gregory Orange	Acres
92	92.00	Christina Green	Acres
93	93.00	Benjamin White	Acres
94	94.00	Samantha Black	Acres
95	95.00	Timothy Brown	Acres
96	96.00	Deborah Gray	Acres
97	97.00	Eric Blue	Acres
98	98.00	Shirley Red	Acres
99	99.00	Donald Yellow	Acres
100	100.00	Michelle Purple	Acres



January 15, 2019

VIA EMAIL: dawne.kelly@schodack.org

Crowne # 2,335.92

**Re: Proposals for Continued Site Operations**  
**Site # 307111 / Site Name: Schodack (the "Site")**  
**3776 Old US Rte 20 (adjacent to Shodack Highway Dept.), Nassau, NY 12123-3826**

Dear Mr. Harris,

To ensure that operations at this Site can continue beyond expiration of the current ground lease, American Tower is pleased to extend the following proposals on behalf of SBC Tower Holdings:

Proposal #1 - Lease Extension: was <sup>\$</sup> 1154

- \$45,000 one-time signing bonus, payable within 30 days of full execution of an amendment;
- Rent increased to \$1,800 per month, commencing within 30 days of full execution of an amendment;
- Rent to escalate by 3% per year commencing January 12, 2019;
- Six (6) additional lease periods of five (5) years each, commencing January 12, 2021.

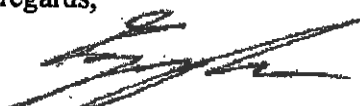
1,190,268.

Proposal #2 - Perpetual Easement:

- Upon full-execution of documentation memorializing terms, either-
  - (a) One (1) lump sum payment of \$470,000; or
  - (b) Five (5) annual payments of \$108,000, for a total payout of \$540,000; or
  - (c) One-hundred twenty (120) monthly payments of \$5,600 for a total payout of \$672,000;
- A non-exclusive access and utility easement to the facility;
- Grant of a **Perpetual Easement** over the existing leased area
- Easement subject to termination for period of non-use exceeding five (5) years.

Please feel free to reach out with any questions. I look forward to speaking with you.

Best regards,



Gregory M. Pearson, Esq.

Land Acquisitions

American Tower Corporation

P: 781.428.7224 | F: 781.926.6954

\*Please note, unless otherwise agreed by the parties, all proposals listed herein will expire within 30 days of the date of this letter (January 15, 2019). All proposals are good for a limited time and for discussion purposes only. The parties will not be bound in any respect and with regard to any proposal until and unless a written agreement is signed by all applicable parties. Further, All proposals are contingent upon American Tower's confirmation, review and approval, to its sole satisfaction of; 1) a title report and if necessary, a land survey of the property; and 2) final approval and authorization by American Tower's Executive Team.



**PLANNING & ZONING**

**Town of Schodack**

**265 Schuurman Rd.**

**Castleton, NY 12033**

June 19, 2019

Supervisor David Harris  
Schodack Town Board Members  
Schodack Town Hall  
265 Schuurman Road  
Castleton, NY 12033

Re: TJA Clean Energy  
13 Paul Road  
Castleton, NY 12033

**Planning Board**

Denise Mayrer,  
Chairperson  
Wayne Johnson, PE  
Paul Puccio  
John LaVoie  
Lawrence D Angelo  
Andrew Aubin, PE  
James D Shaughnessy, PE  
Craig Crist, Esq.

Dear Supervisor and Town Board Members:


Enclosed are a full Environmental Assessment Form and a copy of the concept plan for the above project.

This is a Type 1 Action. The Schodack Planning Board wishes to undertake a coordinated review and desires to declare itself as lead agency at a future meeting.

Please indicate if you object or concur at your earliest convenience. In addition, we look forward to your comments.

Thank you.

Sincerely,



Nadine Fuda  
Director of Planning and Zoning  
Town of Schodack

PB/NF

Enclosure

cc: Richard Laberge, P.E., Planning Board Engineer  
Craig Crist, Esq., Planning Board Attorney  
TJA Clean Energy / C&S Companies Eric Kenna, P.E

**Voice (518) 477-7938**

**Fax (518) 477-7983**

**Zoning Board of Appeals**

David Calarco,  
Chairman  
Ed Brewer  
Anthony Maier  
Lou Spada  
Craig Crist, Esq.



# SPECIAL PERMIT / SITE PLAN APPLICATION

Town of Schodack - Planning Board  
265 Schuurman Road, Castleton, NY 12033

Phone: 518-477-7938; Fax: 518-477-7983; Nadine.fuda@schodack.org

FILE # 2019-3

CONCEPT MEETING: Monday 3/18/19

APPLICATION RECEIVED ON 2/25/19

LOCATION OF PROPERTY 13 Paul Road, Castleton-on-Hudson, New York

TAX MAP # 209-8-1 ZONE R-40 ACRES 74 ROAD FRONTAGE (ft.) 200

ENG/SURVEY FIRM CES Engineers, Inc TELEPHONE 315-455-2200 Fax/Email info@cesny.com

EXISTING USE(S) The existing parcel consists of forested, suburban, residential property.

INTENDED USE(S) solar photovoltaic system

WILL DEVELOPMENT BE PHASED? YES  NO  IF YES, ATTACH LETTER OF EXPLANATION.

WILL YOU BE SEEKING A SITE DEVELOPMENT PERMIT BEFORE FINAL APPROVAL? YES  NO

WHEN PRELIMINARY APPROVAL IS GRANTED, THE BUILDING INSPECTOR WILL BE NOTIFIED. A SITE DEVELOPMENT PERMIT WILL BE ISSUED BY THE BUILDING INSPECTOR WHEN ALL PAPERWORK IS IN ORDER.

\*\* IS THIS PROPERTY IN AN AGRICULTURAL DISTRICT CONTAINING A FARM OPERATION? YES  NO

\*\* ARE THE BOUNDARIES OF THIS PARCEL WITHIN 500 FEET OF A FARM OPERATION LOCATED IN AN AGRICULTURAL DISTRICT? YES  NO  IF YOU ANSWERED YES TO EITHER OF THE \*\* QUESTIONS, ADDITIONAL INFORMATION MAY BE REQUIRED.

ATTACH: EAF, Application fee, Survey/Site Plan Maps (min. 10), appropriate fees, letter of intent, must be submitted 10 days before initial review.

Application is hereby made to the Planning Office. The Applicant or Owner agrees to comply with all applicable laws, Ordinances, Regulations of the Town of Schodack and New York State for approval of the application.

WHO WILL BE REPRESENTING YOUR APPLICATION AT THE PLANNING BOARD MEETINGS? Michael Fratreschi  
CES Engineers, Inc

Date 2/19/19 TSA Clean Energy Print name  
MAILING ADDRESS 150 John Vertente Blvd - New Bedford, MA 02745 APPLICANT'S Signature

TELEPHONE# (774) 573-5726 OTHER# \_\_\_\_\_ FAX # \_\_\_\_\_

Date 2/19/19 Pillar, LLC Print name  
MAILING ADDRESS 150 John Vertente Blvd - New Bedford, MA 02745 PROPERTY OWNER'S Signature

TELEPHONE# (774) 573-5726 OTHER# \_\_\_\_\_ FAX # \_\_\_\_\_

Nadine Fuda, Director / Denise Mayrer - Chairperson / Craig Crist, Attorney / Richard Laberge, P.E.  
Wayne Johnson / John LaVole / Paul Puccio / Lawrence D Angelo / Andrew Aubin / James D. Shaughnessy

1/8/18 NF

**Full Environmental Assessment Form**  
**Part 1 - Project and Setting**

**Instructions for Completing Part 1**

**Part 1 is to be completed by the applicant or project sponsor.** Responses become part of the application for approval or funding, are subject to public review, and may be subject to further verification.

Complete Part 1 based on information currently available. If additional research or investigation would be needed to fully respond to any item, please answer as thoroughly as possible based on current information; indicate whether missing information does not exist, or is not reasonably available to the sponsor; and, when possible, generally describe work or studies which would be necessary to update or fully develop that information.

Applicants/sponsors must complete all items in Sections A & B. In Sections C, D & E, most items contain an initial question that must be answered either "Yes" or "No". If the answer to the initial question is "Yes", complete the sub-questions that follow. If the answer to the initial question is "No", proceed to the next question. Section F allows the project sponsor to identify and attach any additional information. Section G requires the name and signature of the applicant or project sponsor to verify that the information contained in Part 1 is accurate and complete.

**A. Project and Applicant/Sponsor Information.**

Name of Action or Project: TJA Clean Energy, Fort Plain Solar		
Project Location (describe, and attach a general location map): 13 Paul Road, Castleton on Hudson, New York 12033 (See Figure 1)		
Brief Description of Proposed Action (include purpose or need): The proposed project is for the construction of a ground-mounted solar farm and associated electrical appurtenances to the south of Paul Road in the Town of Schodack. The solar photovoltaic (PV) system is proposed for installation within an approximate 74-acre site. The project uses 40 SUNGROW SG125HV 125kW string inverters, and 20,800 LG Neon 2 LG335N1C-A5 335W Modules to obtain a total generation of 5-megawatts AC. There is an existing three phase National Grid feeder running north-south along the east side of Paul Road which will be upgraded/overbuilt to allow for the interconnection. The interconnection wiring, connecting the solar array to the National Grid point of interconnection along Paul Road, will be pole mounted, overhead wiring.		
Name of Applicant/Sponsor: Timothy Vautour, TJA Clean Energy	Telephone: 508-717-0214	E-Mail: tvautour@tja.energy
Address: 150 John Vertente Boulevard		
City/PO: New Bedford	State: MA	Zip Code: 02745
Project Contact (if not same as sponsor; give name and title/role): Bryan A. Bayer, C&S Engineers, Inc.	Telephone: 315-455-2000	E-Mail: bbayer@cscos.com
Address: 499 Col. Eileen Collins Boulevard		
City/PO: Syracuse	State: NY	Zip Code: 13212
Property Owner (if not same as sponsor): (Same as sponsor)	Telephone:	E-Mail:
Address:		
City/PO:	State:	Zip Code:

**C.3. Zoning**

a. Is the site of the proposed action located in a municipality with an adopted zoning law or ordinance.  Yes  No  
If Yes, what is the zoning classification(s) including any applicable overlay district?  
R-40, Residential 40

b. Is the use permitted or allowed by a special or conditional use permit?  Yes  No

c. Is a zoning change requested as part of the proposed action?  Yes  No

If Yes,  
i. What is the proposed new zoning for the site? \_\_\_\_\_

**C.4. Existing community services.**

a. In what school district is the project site located? Schodack Central School District

b. What police or other public protection forces serve the project site?  
Town of Schodack Police Department

c. Which fire protection and emergency medical services serve the project site?  
Castleton Volunteer Ambulance, Schodack Valley Counteer Fire, South Schodack, Rensselaer County Communications Center

d. What parks serve the project site?  
Not applicable

**D. Project Details**

**D.1. Proposed and Potential Development**

a. What is the general nature of the proposed action (e.g., residential, industrial, commercial, recreational; if mixed, include all components)? Solar PV Array

b. a. Total acreage of the site of the proposed action? 74 acres  
b. Total acreage to be physically disturbed? 29.1 acres  
c. Total acreage (project site and any contiguous properties) owned or controlled by the applicant or project sponsor? 74 acres

c. Is the proposed action an expansion of an existing project or use?  Yes  No  
i. If Yes, what is the approximate percentage of the proposed expansion and identify the units (e.g., acres, miles, housing units, square feet)? % \_\_\_\_\_ Units: \_\_\_\_\_

d. Is the proposed action a subdivision, or does it include a subdivision?  Yes  No

If Yes,  
i. Purpose or type of subdivision? (e.g., residential, industrial, commercial; if mixed, specify types) \_\_\_\_\_  
ii. Is a cluster/conservation layout proposed?  Yes  No  
iii. Number of lots proposed? \_\_\_\_\_  
iv. Minimum and maximum proposed lot sizes? Minimum \_\_\_\_\_ Maximum \_\_\_\_\_

e. Will the proposed action be constructed in multiple phases?  Yes  No  
i. If No, anticipated period of construction: \_\_\_\_\_ months

ii. If Yes:  
• Total number of phases anticipated \_\_\_\_\_  
• Anticipated commencement date of phase 1 (including demolition) \_\_\_\_\_ month \_\_\_\_\_ year  
• Anticipated completion date of final phase \_\_\_\_\_ month \_\_\_\_\_ year  
• Generally describe connections or relationships among phases, including any contingencies where progress of one phase may determine timing or duration of future phases: \_\_\_\_\_

ii. Describe how the proposed action would affect that waterbody or wetland, e.g. excavation, fill, placement of structures, or alteration of channels, banks and shorelines. Indicate extent of activities, alterations and areas in square feet or acres:

iii. Will the proposed action cause or result in disturbance to bottom sediments?  Yes  No  
If Yes, describe: \_\_\_\_\_

iv. Will the proposed action cause or result in the destruction or removal of aquatic vegetation?  Yes  No  
If Yes:

- acres of aquatic vegetation proposed to be removed: \_\_\_\_\_
- expected acreage of aquatic vegetation remaining after project completion: \_\_\_\_\_
- purpose of proposed removal (e.g. beach clearing, invasive species control, boat access): \_\_\_\_\_
- proposed method of plant removal: \_\_\_\_\_
- if chemical/herbicide treatment will be used, specify product(s): \_\_\_\_\_

v. Describe any proposed reclamation/mitigation following disturbance: \_\_\_\_\_

c. Will the proposed action use, or create a new demand for water?  Yes  No

If Yes:

i. Total anticipated water usage/demand per day: \_\_\_\_\_ gallons/day

ii. Will the proposed action obtain water from an existing public water supply?  Yes  No

If Yes:

- Name of district or service area: \_\_\_\_\_
- Does the existing public water supply have capacity to serve the proposal?  Yes  No
- Is the project site in the existing district?  Yes  No
- Is expansion of the district needed?  Yes  No
- Do existing lines serve the project site?  Yes  No

iii. Will line extension within an existing district be necessary to supply the project?  Yes  No

If Yes:

- Describe extensions or capacity expansions proposed to serve this project: \_\_\_\_\_
- Source(s) of supply for the district: \_\_\_\_\_

iv. Is a new water supply district or service area proposed to be formed to serve the project site?  Yes  No

If Yes:

- Applicant/sponsor for new district: \_\_\_\_\_
- Date application submitted or anticipated: \_\_\_\_\_
- Proposed source(s) of supply for new district: \_\_\_\_\_

v. If a public water supply will not be used, describe plans to provide water supply for the project: \_\_\_\_\_

vi. If water supply will be from wells (public or private), what is the maximum pumping capacity: \_\_\_\_\_ gallons/minute.

d. Will the proposed action generate liquid wastes?  Yes  No

If Yes:

i. Total anticipated liquid waste generation per day: \_\_\_\_\_ gallons/day

ii. Nature of liquid wastes to be generated (e.g., sanitary wastewater, industrial; if combination, describe all components and approximate volumes or proportions of each): \_\_\_\_\_

iii. Will the proposed action use any existing public wastewater treatment facilities?  Yes  No

If Yes:

- Name of wastewater treatment plant to be used: \_\_\_\_\_
- Name of district: \_\_\_\_\_
- Does the existing wastewater treatment plant have capacity to serve the project?  Yes  No
- Is the project site in the existing district?  Yes  No
- Is expansion of the district needed?  Yes  No

h. Will the proposed action generate or emit methane (including, but not limited to, sewage treatment plants, landfills, composting facilities)?  Yes  No

If Yes:

i. Estimate methane generation in tons/year (metric): \_\_\_\_\_

ii. Describe any methane capture, control or elimination measures included in project design (e.g., combustion to generate heat or electricity, flaring): \_\_\_\_\_

---

i. Will the proposed action result in the release of air pollutants from open-air operations or processes, such as quarry or landfill operations?  Yes  No

If Yes: Describe operations and nature of emissions (e.g., diesel exhaust, rock particulates/dust): \_\_\_\_\_

---

j. Will the proposed action result in a substantial increase in traffic above present levels or generate substantial new demand for transportation facilities or services?  Yes  No

If Yes:

i. When is the peak traffic expected (Check all that apply):  Morning  Evening  Weekend  
 Randomly between hours of \_\_\_\_\_ to \_\_\_\_\_.

ii. For commercial activities only, projected number of truck trips/day and type (e.g., semi trailers and dump trucks): \_\_\_\_\_

iii. Parking spaces: Existing \_\_\_\_\_ Proposed \_\_\_\_\_ Net increase/decrease \_\_\_\_\_

iv. Does the proposed action include any shared use parking?  Yes  No

v. If the proposed action includes any modification of existing roads, creation of new roads or change in existing access, describe: \_\_\_\_\_

vi. Are public/private transportation service(s) or facilities available within 1/2 mile of the proposed site?  Yes  No

vii. Will the proposed action include access to public transportation or accommodations for use of hybrid, electric or other alternative fueled vehicles?  Yes  No

viii. Will the proposed action include plans for pedestrian or bicycle accommodations for connections to existing pedestrian or bicycle routes?  Yes  No

---

k. Will the proposed action (for commercial or industrial projects only) generate new or additional demand for energy?  Yes  No

If Yes:

i. Estimate annual electricity demand during operation of the proposed action: \_\_\_\_\_

ii. Anticipated sources/suppliers of electricity for the project (e.g., on-site combustion, on-site renewable, via grid/local utility, or other): \_\_\_\_\_

iii. Will the proposed action require a new, or an upgrade, to an existing substation?  Yes  No

---

l. Hours of operation. Answer all items which apply.

i. During Construction:		ii. During Operations:	
• Monday - Friday:	_____ 7am-5pm _____	• Monday - Friday:	_____ Not applicable _____
• Saturday:	_____ Not applicable _____	• Saturday:	_____ Not applicable _____
• Sunday:	_____ Not applicable _____	• Sunday:	_____ Not applicable _____
• Holidays:	_____ Not applicable _____	• Holidays:	_____ Not applicable _____

s. Does the proposed action include construction or modification of a solid waste management facility?  Yes  No

If Yes:

i. Type of management or handling of waste proposed for the site (e.g., recycling or transfer station, composting, landfill, or other disposal activities): \_\_\_\_\_

ii. Anticipated rate of disposal/processing:

- \_\_\_\_\_ Tons/month, if transfer or other non-combustion/thermal treatment, or
- \_\_\_\_\_ Tons/hour, if combustion or thermal treatment

iii. If landfill, anticipated site life: \_\_\_\_\_ years

t. Will the proposed action at the site involve the commercial generation, treatment, storage, or disposal of hazardous waste?  Yes  No

If Yes:

i. Name(s) of all hazardous wastes or constituents to be generated, handled or managed at facility: \_\_\_\_\_

ii. Generally describe processes or activities involving hazardous wastes or constituents: \_\_\_\_\_

iii. Specify amount to be handled or generated \_\_\_\_\_ tons/month

iv. Describe any proposals for on-site minimization, recycling or reuse of hazardous constituents: \_\_\_\_\_

v. Will any hazardous wastes be disposed at an existing offsite hazardous waste facility?  Yes  No

If Yes: provide name and location of facility: \_\_\_\_\_

If No: describe proposed management of any hazardous wastes which will not be sent to a hazardous waste facility: \_\_\_\_\_

**E. Site and Setting of Proposed Action**

**E.1. Land uses on and surrounding the project site**

a. Existing land uses.

i. Check all uses that occur on, adjoining and near the project site.

- Urban  Industrial  Commercial  Residential (suburban)  Rural (non-farm)  
 Forest  Agriculture  Aquatic  Other (specify): \_\_\_\_\_

ii. If mix of uses, generally describe:

The site is an undeveloped woodlot with multiple streams. It is adjacent to residential areas and additional undeveloped woodlots and forested wetlands.

b. Land uses and covertypes on the project site.

Land use or Covertype	Current Acreage	Acreage After Project Completion	Change (Acres +/-)
• Roads, buildings, and other paved or impervious surfaces	0	0	0
• Forested	29.0	0	-29.0
• Meadows, grasslands or brushlands (non-agricultural, including abandoned agricultural)	0	3.5	+3.5
• Agricultural (includes active orchards, field, greenhouse etc.)	0	0	0
• Surface water features (lakes, ponds, streams, rivers, etc.)	0.1	0.1	0
• Wetlands (freshwater or tidal)	0	0	0
• Non-vegetated (bare rock, earth or fill)	0	0	0
• Other Describe: Solar Pv Array	0	25.6	+25.06

v. Is the project site subject to an institutional control limiting property uses?  Yes  No

- If yes, DEC site ID number: \_\_\_\_\_
- Describe the type of institutional control (e.g., deed restriction or easement): \_\_\_\_\_
- Describe any use limitations: \_\_\_\_\_
- Describe any engineering controls: \_\_\_\_\_
- Will the project affect the institutional or engineering controls in place?  Yes  No
- Explain: \_\_\_\_\_

---

**E.2. Natural Resources On or Near Project Site**

a. What is the average depth to bedrock on the project site? \_\_\_\_\_ TBD feet

b. Are there bedrock outcroppings on the project site?  Yes  No  
 If Yes, what proportion of the site is comprised of bedrock outcroppings? \_\_\_\_\_ %

c. Predominant soil type(s) present on project site:

Madalin silt loam	_____	35.9 %
Shaker very fine sandy loam	_____	30.8 %
Riverhead fine sandy loam	_____	26.6 %

d. What is the average depth to the water table on the project site? Average: \_\_\_\_\_ 0-6 feet

e. Drainage status of project site soils:

<input checked="" type="checkbox"/> Well Drained:	_____	31.2 % of site
<input checked="" type="checkbox"/> Moderately Well Drained:	_____	2.2 % of site
<input checked="" type="checkbox"/> Poorly Drained	_____	66.7 % of site

f. Approximate proportion of proposed action site with slopes:

<input checked="" type="checkbox"/> 0-10%:	_____	100 % of site
<input type="checkbox"/> 10-15%:	_____	_____ % of site
<input type="checkbox"/> 15% or greater:	_____	_____ % of site

g. Are there any unique geologic features on the project site?  Yes  No  
 If Yes, describe: \_\_\_\_\_

---

h. Surface water features.

i. Does any portion of the project site contain wetlands or other waterbodies (including streams, rivers, ponds or lakes)?  Yes  No

ii. Do any wetlands or other waterbodies adjoin the project site?  Yes  No

If Yes to either *i* or *ii*, continue. If No, skip to E.2.i.

iii. Are any of the wetlands or waterbodies within or adjoining the project site regulated by any federal, state or local agency?  Yes  No

iv. For each identified regulated wetland and waterbody on the project site, provide the following information:

• Streams:	Name	Federal Waters	Classification	N/A
• Lakes or Ponds:	Name	_____	Classification	_____
• Wetlands:	Name	Federal Waters	Approximate Size	No wetlands within LOD
• Wetland No. (if regulated by DEC)	_____			

v. Are any of the above water bodies listed in the most recent compilation of NYS water quality-impaired waterbodies?  Yes  No  
 If yes, name of impaired water body/bodies and basis for listing as impaired: \_\_\_\_\_

---

i. Is the project site in a designated Floodway?  Yes  No

j. Is the project site in the 100-year Floodplain?  Yes  No

k. Is the project site in the 500-year Floodplain?  Yes  No

l. Is the project site located over, or immediately adjoining, a primary, principal or sole source aquifer?  Yes  No  
 If Yes:

i. Name of aquifer: Principal Aquifer

e. Does the project site contain, or is it substantially contiguous to, a building, archaeological site, or district which is listed on the National or State Register of Historic Places, or that has been determined by the Commissioner of the NYS Office of Parks, Recreation and Historic Preservation to be eligible for listing on the State Register of Historic Places?  Yes  No  
 If Yes:  
 i. Nature of historic/archaeological resource:  Archaeological Site  Historic Building or District  
 ii. Name: \_\_\_\_\_  
 iii. Brief description of attributes on which listing is based: \_\_\_\_\_

f. Is the project site, or any portion of it, located in or adjacent to an area designated as sensitive for archaeological sites on the NY State Historic Preservation Office (SHPO) archaeological site inventory?  Yes  No

g. Have additional archaeological or historic site(s) or resources been identified on the project site?  Yes  No  
 If Yes:  
 i. Describe possible resource(s): \_\_\_\_\_  
 ii. Basis for identification: \_\_\_\_\_

h. Is the project site within five miles of any officially designated and publicly accessible federal, state, or local scenic or aesthetic resource?  Yes  No  
 If Yes:  
 i. Identify resource: \_\_\_\_\_  
 ii. Nature of, or basis for, designation (e.g., established highway overlook, state or local park, state historic trail or scenic byway, etc.): \_\_\_\_\_  
 iii. Distance between project and resource: \_\_\_\_\_ miles.

i. Is the project site located within a designated river corridor under the Wild, Scenic and Recreational Rivers Program 6 NYCRR 666?  Yes  No  
 If Yes:  
 i. Identify the name of the river and its designation: \_\_\_\_\_  
 ii. Is the activity consistent with development restrictions contained in 6NYCRR Part 666?  Yes  No

**F. Additional Information**

Attach any additional information which may be needed to clarify your project.

If you have identified any adverse impacts which could be associated with your proposal, please describe those impacts plus any measures which you propose to avoid or minimize them.

**G. Verification**

I certify that the information provided is true to the best of my knowledge.

Applicant/Sponsor Name Bryan Bayer, C&S Engineers, Inc. Date 2/21/19

Signature  Title Managing Environmental Scientist



E.2.i. [Aquifer Names]	Principal Aquifer
E.2.n. [Natural Communities]	No
E.2.o. [Endangered or Threatened Species]	No
E.2.p. [Rare Plants or Animals]	No
E.3.a. [Agricultural District]	No
E.3.c. [National Natural Landmark]	No
E.3.d [Critical Environmental Area]	No
E.3.e. [National Register of Historic Places]	Digital mapping data are not available or are incomplete. Refer to EAF Workbook.
E.3.f. [Archeological Sites]	Yes
E.3.i. [Designated River Corridor]	No



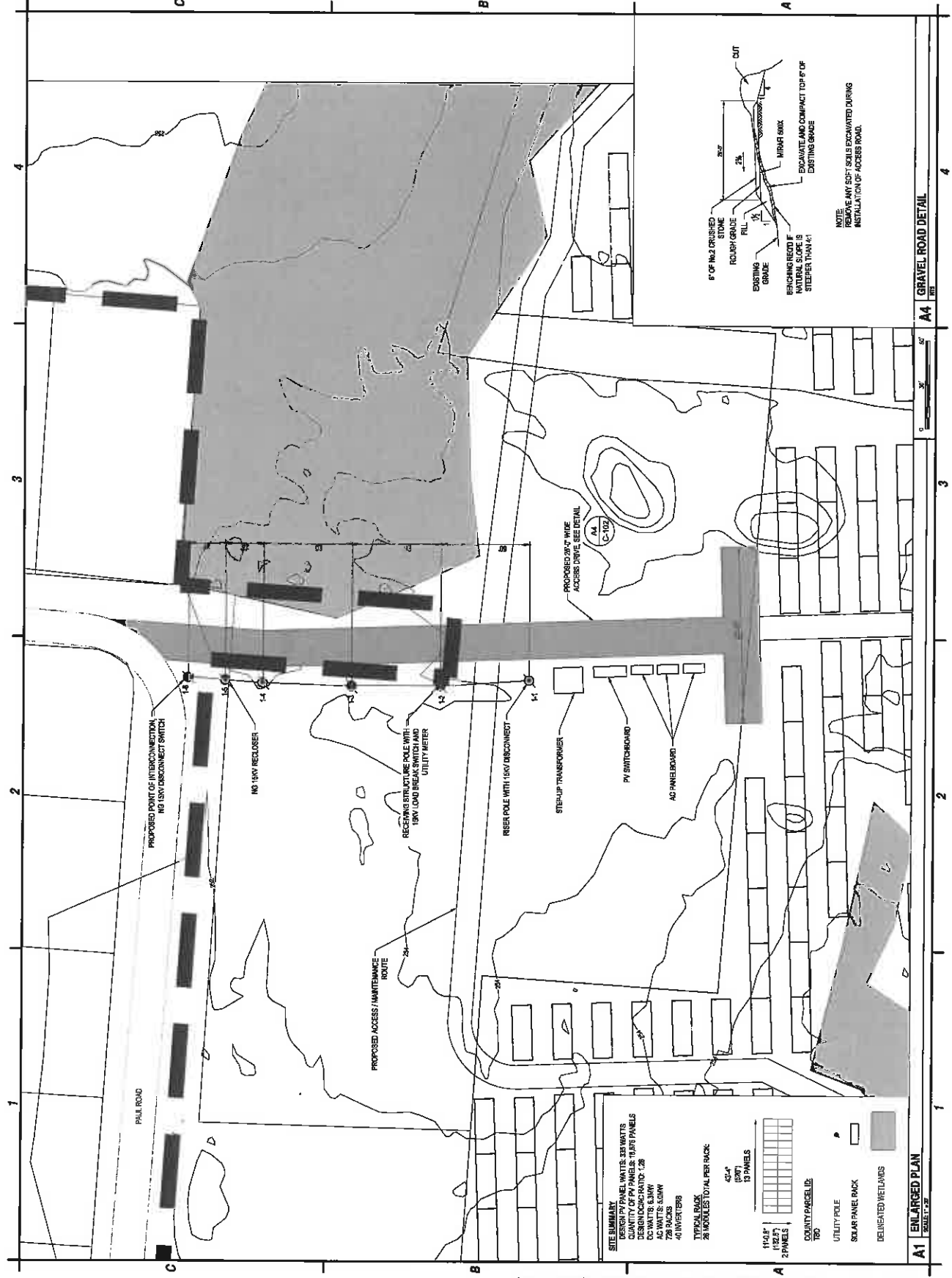
**C&S COMPANIES**  
 C&S Engineers, Inc.  
 5200 East Palm Court, Suite 100  
 Palm Beach Gardens, FL 33410  
 Phone: (561) 997-7538  
 Fax: (561) 997-7532  
 www.candse.com

**PRELIMINARY**  
 FOR CONSTRUCTION

**CASTLETON SOLAR**  
 13 PAUL ROAD  
 NATIONAL GRID CASE #: 001689448  
 LAT: 42.5239 LONG: -73.7029

MARK	DATE	DESCRIPTION
PROJECT NO.	CASTLETON 2018	REVISIONS
DATE	OCTOBER 2018	
DESIGNED BY	JL ROSENBERG	
CHECKED BY	JL ROSENBERG	
DATE	JULY 2018	
NO ALTERNATE PERMITTED DESIGN EXCEPT AS SHOWN IN THIS SECTION. EXPLANATION MUST BE APPROVED BY THE ENGINEER.		

**ENLARGED PLAN**  
**C-102**



**SITE SUMMARY**  
 DESIGN PV PANEL WATTS: 250 WATTS  
 DESIGN PV PANELS: 1000 PV PANELS  
 DESIGN LOAD FACTOR: 1.25  
 DC WATTS: 6.2 MW  
 AC WATTS: 6.0 MW  
 720 RACKS  
 40 INVERTERS  
 TYPICAL RACK:  
 20 MODULES TOTAL PER RACK  
 40' x 6' x 13' PANELS

1/2" x 1/2" x 1/2" PANELS  
 2 PANELS

COUNTY PARCELS  
 T00

UTILITY POLE  
 SOLAR PANEL RACK  
 DELIMITED WETLANDS

**A1 ENLARGED PLAN**  
 SHEET 1 OF 2

**A4 GRAVEL ROAD DETAIL**  
 SHEET 1 OF 1

Data Comparison	Town of Schodack	Town of East Greenbush
Population	12,794	16,473
Per Capita Income	\$ 40,457	\$ 40,087
Average Library Cost Per Capita (2019)	\$ 36.28	\$ 102.00
Average Library Cost Per Capita (2018)	\$ 34.56	\$ 99.98
Cost Per Circ (2018) (at 3 Locations)	\$ 4.60	\$ 10.45
2018 Library Services Cost	\$ 442,120	\$ 1,647,049
2019 Library Services Cost	\$ 464,130	\$ 1,680,206
<small>Data based on 2010 Census</small>	<small>Includes funding for library services at 3 locations</small>	<small>Includes funding for library service at 1 location</small>

we go  
w/ 311,230 ~

	Town of Schodack	Town of East Greenbush
2019 Library Services Expenditures at East Greenbush Library	\$ 303,720	\$ 1,680,206
2018 Library Services Expenditures at East Greenbush Library	\$ 303,720	\$ 1,647,049
2018 Cost Per Cic at East Greenbush Library	\$ 4.53	\$ 10.48

Circulation (2018)	Schodack Residents	East Greenbush Residents
at East Greenbush Library	67,034	157,157
at Castleton Library	26,415	330
at Nassau Library	2,641	150
Total Checkouts	96,090	157,637

2018 Circulation at East Greenbush Library			
Patron Code 4 (Residency)	Name of Locality	Number of Checkouts/Renewals	Percentage of Total Checkouts/Renewals
319 & 387	Schodack	67,034	17.50%
332	East Greenbush	157,157	41.03%
	N/A All Other	158,826	41.47%
	Total Checkouts/Renewals	383,017	



<b>Total Checkedouts and Renewals at EGRN, by Borrower Address</b>	
	<b><u>2018</u> % of Whole</b>
Number of Schodack Households Using EG Library	1093 14%
Number of Castleton Households Using EG Library	103 1%
Number of East Greenbush Households Using EG Library	2734 34%
Number of Nassau Households Using EG Library	270 3%
Total OTHER Households Using EG Library	3777 47%
Number of All Households Using EG Library	7977 100%

<b>Total Checkedouts and Renewals at CAST, by Borrower Address</b>	
	<b><u>2018</u> % of Whole</b>
Total Schodack Households using CAST Library	422 51%
Total Castleton Households using CAST Library	224 27%
Total EGRN Households using CAST Library	46 6%
Total Nassau Households using CAST Library	5 1%
Total OTHER Households using CAST Library	135 16%
Total Households using CAST Library	832 100%

<b>Total Checkedouts and Renewals at NASS, by Borrower Address</b>	
	<b><u>2018</u> % of Whole</b>
Total Schodack Households using NASS Library	2 0%
Total Castleton Households using NASS Library	23 4%
Total EGRN Households using NASS Library	340 59%
Total Nassau Households using NASS Library	99 17%
Total OTHER Households using NASS Library	111 19%
Total Households using NASS Library	575 100%

**Schodack Service Contract for 2020***Based on 2018 circulation data*

Schodack Checkouts @ East Greenbush	67,034 items
Total Library Checkouts @ East Greenbush	383,017 items
<b>Percentage of Checkouts to Schodack</b>	<b>17.5%</b>

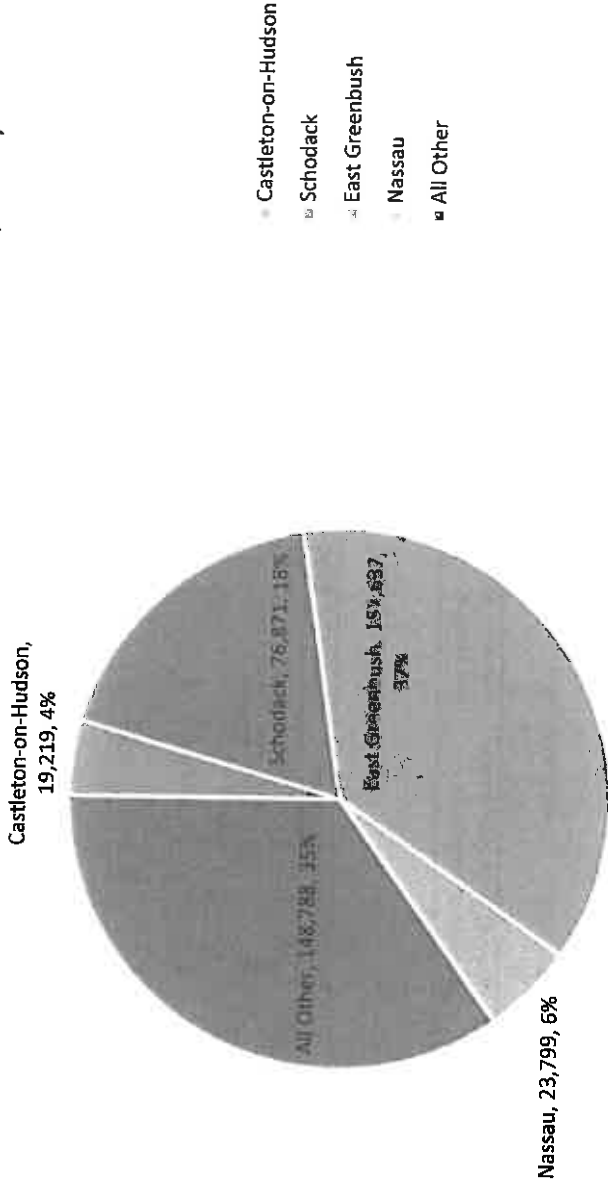
Total Library Expenditures 2018	\$2,192,366
Less Bond Expense	(\$283,500)
Less County Aid	(\$250.00)
Less Transfers to Reserve	(\$20,000)
<b>Adjusted Library Operating Expenditures</b>	<b>\$1,888,616</b>

<b>Cost of Services to Schodack (17.50% x \$1,908,616)</b>	<b>\$330,508</b>
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**Total Due in Contract Year 2020                      \$ 330,508**

2018 Circulation at Southern Rensselaer County Libraries (EGRN, CAST, NASS)			
Patron Code 4 (Residency)	Name of Locality	Number of Checkouts/Renewals	Percentage of Total Checkouts/Renewals
319	Castleton-on-Hudson	19,219	4.51%
387	Schodack	76,871	18.03%
332	East Greenbush	157,637	36.98%
358	Nassau	23,799	5.58%
N/A	All Other	148,788	34.90%
<b>Total Checkouts/Renewals</b>		<b>426,314</b>	

2018 Southern Rensselaer County Libraries Circulation (EGRN, CAST, NASS)





BATTISTI WATER SUPPLY CO.

June, 2019

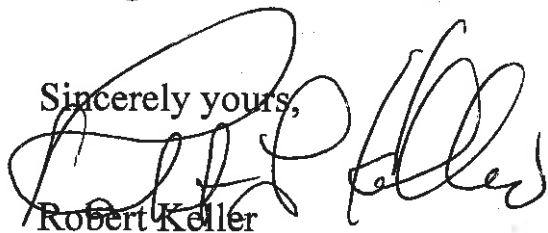
Dear Customer of Battisti Water Supply Co.

By letter dated August, 2017, I wrote to you that I needed to step down as operator of the Battisti Water Supply Co. Prior to then I had been in contact with the Town of Schodack, (by letter from my attorney, dated January 31, 2017,) and with the Public Service Commission of the State of New York. Enclosed is a copy of a letter, dated January 26, 2017, from the Public Service Commission explaining the options you have. In addition, I have worked with the operators of other water supply companies towards their taking over your system without success.

Now, 2 years later, my health has deteriorated and I cannot continue to operate the Battisti Water Supply Co. In addition, my license to do so is expiring and I am unable to renew it.

At great personal effort I will continue to operate the system through August 30, 2019. After that I will no longer be able to continue.

Best wishes and good luck.

Sincerely yours,  
  
Robert Keller

cc.: Public Service Commission  
Town of Schodack




Town Supervisor  
David B. Harris

7

Town of Schodack  
Building Department  
265 Schuurman Road  
Castleton, New York 12033  
Phone: (518) 477-7940 Fax: (518) 477-7938  
<https://www.schodack.org>

# Memo

**To:** Schodack Town Board  
**From:** Joseph Tremblay   
**cc:**  
**Date:** June 26, 2019  
**Re:** Building Permit Applications

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For your consideration,

Last budget season the Building Department was approved for a new vehicle at a budget price of \$31,315.00 for the 2019 budget year.

We have located a new vehicle available to us on state contract that would fit the needs of the Building Department and falls within that budget. I have been in contact with George Kline, President of Main Motorcar in Johnstown, NY. He has provided us a price for a brand new 2017 Jeep Cherokee 4x4 for \$21,582.00. The standard warranty (3 year/36,000 miles) of the vehicle starts on delivery to us. There is an extended warranty available that would cover the vehicle for 8 years/125,000 miles for an additional \$2,590.00 if the board so chooses.

If we were to wait until the 2020 models are available, the estimated price for that vehicle is \$25,300.

We would greatly appreciate your approval so that we can place our order.

## Joseph Tremblay

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**From:** gkline@mainmotorcar.com  
**Sent:** Tuesday, June 25, 2019 2:49 PM  
**To:** Joseph Tremblay  
**Subject:** Jeep Cherokee  
**Attachments:** 20190625144539.pdf

Hello Joe

Here is the spec sheet for the Brand new Jeep Cherokee 4x4 that is our "Government deal of the month"  
It can be yours for only \$21,582 delivered to you.

Please review the specs and see if it works for you.

The warranty starts on delivery to you. It is a brand new vehicle and it will save you some \$\$  
To spend on something else.

Thanks for the opportunity

*George Kline, President*

Main Motorcar

224 W. Main Street

Johnstown, NY, 12095

Phone (518)762-3183

Cell (518)441-7786

Email: [gkline@mainmotorcar.com](mailto:gkline@mainmotorcar.com)

# Purchase Order

## Office of General Services

AccountsPayable@ogs.ny.gov or  
 Building 5, 5th Floor  
 1220 Washington Ave  
 Albany NY 12226-1900  
 United States

**Supplier:** 1100022298  
 HOWELL AND PIERSON INC  
 DBA MAIN MOTORCAR  
 224 WEST MAIN ST  
 JOHNSTOWN NY 12095

Dispatch via Print

Purchase Order	Date	Revision	Page
OGS01-0000004778	10/05/2016		1
Payment Terms	Freight Terms	Ship Via	
Net 30	FOB Destination	Common	
Buyer	Phone	Currency	
GLADD, JODIE A		USD	

Ship To: See Detail Below

Attention: Aaron Hansen-474-3729

**Bill To:** AccountsPayable@ogs.ny.gov or  
 Building 5, 5th Floor  
 1220 Washington Ave  
 Albany NY 12226-1900  
 United States

Tax Exempt? Y Tax Exempt ID: 14740026K

Replenishment Option: Standard

Line-Sch	Item/Description	Mfg ID	Quantity	UOM	PO Price	Extended Amt	Due Date
----------	------------------	--------	----------	-----	----------	--------------	----------

1- 1	2017 Jeep Cherokee Sport 4x4		2.00	EA	21,375.70	42,751.40000	10/18/2016
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Fuel Type: Flex Fuel  
 (Gasoline/E85)

*Billet*

Model Code KLJL74

Ship To: OGS FLEET MANAGEMENT  
 BUILDING 18, HARRIMAN STATE OFFICE CAMPUS  
 1220 WASHINGTON AVENUE  
 ALBANY NY 12226  
 United States

**Schedule Total** 42,751.40000

Contract ID: OGS01-PC66680-1140268 Version 3 Contract Line: 0 Category Line: 0 Release: 82

**Item Total** 42,751.40000

2- 1	Freight		2.00	EA	150.00	300.00000	10/18/2016
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Ship To: OGS FLEET MANAGEMENT  
 BUILDING 18, HARRIMAN STATE OFFICE CAMPUS  
 1220 WASHINGTON AVENUE  
 ALBANY NY 12226  
 United States

**Schedule Total** 300.00000

Contract ID: OGS01-PC66680-1140268 Version 3 Contract Line: 0 Category Line: 0 Release: 83

**Item Total** 300.00000

All Pricing, Terms and Specifications are IAW Bid: Mini Bid # 16080152.  
 Delivery From Region 3 to Region 3.

Agency Delivery Contact: Please Contact Anna Eckstein Burns at (518) 485-5935 E-mail:  
 Anna.Eckstein-Burns@ogs.ny.gov

Vendor Contact: Shannon Kline at (518) 762-3183, info@mainmotorcar.com

Email invoices to AccountsPayable@ogs.ny.gov or mail to 1220 Washington Ave, Building 5, 5th floor,  
 Albany, NY 12226- Invoices should include the following: Your NYS vendor identification number;  
 Invoice Number; Invoice date; Valid purchase order number; Name of NYS Agency indicated on the  
 purchase order; Agency unit Id listed on the first line of the purchase order, if applicable; and  
 line item details that match the purchase order line item details. Please be advised that incomplete  
 invoices may be returned to the vendor for updating. For additional information on invoice  
 submission visit our website:  
<https://bsc.ogs.ny.gov/content/vendor-information>

**Total PO Amount**

43,051.40000



Standard Features - KLJL74-CHEROKEE SPORT 4X4

	Description
JJ	12V Auxiliary Power Outlet
JKP	12V Auxiliary Power Outlet In IP
JJM	12V Cargo Power Outlet
JCE	140 MPH Primary Speedometer
NFD	15.8 Gallons Fuel Tank
BAB	160 Amp Alternator
WAA	17X7.0 Full Face Steel Wheels
LBA	2 Ft Head Incandescent Map Lamps
ED6	2.4L I4 MultiAir Engine
TRF	226/65R17 BSW All Season Tires
CSR	3 Passenger Assist Handles
DME	3.794 Final Drive Ratio
MVD	4X4 Badge
RFU	5.0" Touchscreen Display
RCG	6 Speakers
CDC	6-Way Manual Passenger Seat Adjust
BC2	600 Amp Maintenance Free Battery
CKT	8 Cargo Tie Down Loops
DFH	9-Spd 948TE FWD/AWD Auto Trans (Make
MCD	Accent/Body Color Fascias
MDX	Active Grille Shutters
CG3	Advanced Multistage Front Air Bags
HAC	Air Conditioning, Non-ICS
JMA	Air Filtering
BNP	All Speed Traction Control
BRG	Anti-Lock 4-Wheel-Disc Brakes
RSU	Audio Jack Input for Mobile Devices
NHB	Auxiliary Transmission Oil Cooler
BCS	Battery Run Down Protection
LMC	BI-Function Halogen Projector H/Lamp
MNA	Black Door Handles
LE4	Black Exterior Mirrors
MFA	Black Headlamp Bezels
MJA	Black Lower Dr Cladding
MNN	Body Color License Plate Bow
NEC	Bright Exhaust Tip
LDB	Cargo Compartment Lamp
X8S	Center Console Parts Module
MZC	Cherokee Badge
GGU	Child Seat Anchor System-LATCH Ready
MYV	Chrome Grille Surrounds
CBH	Cloth Door Trim Panel w/Map Pocket
*A7	Cloth Low-Back Bucket Seats

Standard Features - KLJL74-CHEROKEE SPORT 4X4

JAY	Cluster 3.5" TFT B&W Display
TBC	Compact Spare Tire
DS8	Conventional Differential Rear Axle
MMF	Day Light Opening Moldings
X82	Door Parts Module
X8J	Door Trim Panel Module
CSM	Driver Seat Back Pocket
CGY	Drv Inflatable Knee-Booster Air Bag
XC4	Electric Park Brake
SBL	Electric Power Steering
DBC	Electronic Brake Select
BNS	Electronic Roll Mitigation
BNB	Electronic Stability Control
GXW	Engine Immobilizer
NHA	Engine Oil Cooler
LSE	Enhanced Accident Response System
NAA	Federal Emissions
TZF	Firestone Brand Tires
CLE	Front & Rear Floor Mats
X8X	Front Brake & Knuckle Parts Module
X83	Front End Parts Module
X8W	Front Fascias Parts Module
CGD	Front Height Adjust-Shoulder Belts
LAX	Front Passenger Seat Belt Alert
CDP	Front Seat Active Headrests
X89	Front Suspension Damper Parts Module
XGA	Front/Rear Climate Control Outlets
CUF	Full Length Floor Console
LBC	Glove Box Lamp
Z1B	GVW Rating - 5500#
LHD	Headlamp Off Time Delay
X8Y	Headliner Parts Module
BNG	Hill Start Assist
LAC	Illuminated Entry
CWP	Illuminated Front Cupholders
JAA	Instrument Panel
X81	Instrument Panel Parts Module
XR8	Integrated Voice Command w/Bluetooth
DK2	Jeep Active Drive I
MVC	Jeep Badge
CLJ	Jeep Rack Cargo Management Sys
CJA	Jeep Rack Kit
GXM	Keyless Entry with Panic Alarm

Standard Features - KLJL74-CHEROKEE SPORT 4X4

LMZ	LED Daytime Running Headlamps
LAY	LED Tailamps
CXG	Lock On Sync Tire Press Sensor
JKA	Locking Glove Box w/Damped Door
JT6	Manual 6-Way Driver Seat
CU7	Media Center Electronics Storage
APA	Monotone Paint
SDA	Normal Duty Suspension
XCA	Occupant Classification System
GUD	Overhead Console w/Sunglass Holder
CHF	Pass Inflatable Knee-Bolster Air Bag
XJA	Power Locking Fuel Filler Door
GTF	Power Mirrors
XB7	Power Train Parts Module
JPD	Power Windows, Driver One-Touch
XFC	R1234YF A/C Refrigerant
X8R	Rear Brake & Knuckle Parts Module
LBH	Rear Heating/Courtesy Lamps
XGR	Rear Seat Heat Ducts
XBQ	Rear Spring Parts Module
GR4	Rear View Mirror w/Microphone
GFA	Rear Window Defroster
JH9	Rear Window Wiper/Washer
RS1	Remote SD Card Slot
RDB	Removable Short Mast Antenna
CAK	Rr 60/40 Folding Split Recline Seat
CSN	Rr Seat Armrest w/Cupholder
X8Z	Seat Parts Module
XAB	Selec-Terrain (TM) System
GNC	Sliding Sun Visors w/Illum Mirrors
GAM	Solar Control Glass
NHM	Speed Control
JPH	Speed Sensitive Power Locks
MVJ	Sport Badge
X8P	Steering Column Cover Parts Module
SCA	Steering Wheel
CJ2	Supp. Side Curtain Ft/Rr Air Bags
CJ1	Supplemental Ft Seat Side Air Bags
CJ7	Supplemental Rear Seat Side Air Bags
JFH	Tachometer
JFJ	Temperature & Compass Gauge
CSH	Three Rear Seat Head Restraints
SUD	Tilt/Telescope Steering Column

Standard Features - KLJL74-CHEROKEE SPORT 4X4

XBN	Tip Start
X88	Tire & Wheel Parts Module
XGM	Tire Pressure Monitoring Display
BNT	Trailer Sway Damping
RA2	Uconnect 3 with 6" Display
XXN	Underbody Aerodynamic Treatment
CV1	Urethane Shift Knob
RS3	USB Charging Port in Console Bin
JHA	Var Intermittent Windshield Wipers
LAZ	Vehicle Information Center