



Town of Geddes Engineer

1000 Woods Road
Solvay, New York 13209

Phone: (315) 468-2527 Ext. 308

Email: engineer@townofgeddes.com

Transmittal

Date: 03/29/12

Job No. B202

MAR 29 '12 PM 1:18

ATTN: SGIP Application c/o Paul Legnetto

Company: Onondaga County WEP

7120 Henry Clay Blvd.

Liverpool, NY 13088

Re: _____

If Transmittals are not received as noted, please call William Morse at the above number.

Date	# Pages	Description
03/29/12	16	Project Application - Geddes Town Hall Suburban Green Infrastructure

Remarks _____

Copy To _____

Signed William Morse

PROJECT APPLICATION

**GEDDES TOWN HALL
SUBURBAN GREEN INFRASTRUCTURE**

TOWN OF Geddes, ONONDAGA COUNTY, NEW YORK

MARCH, 2012

**WILLIAM D. MORSE, P.E.
N.Y.S. LICENSE NO. 057972**



**1000 Woods Road
Solvay, New York 13209**

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PROJECT APPLICATION
SUBURBAN GREEN INFRASTRUCTURE PROGRAM
GEDDES TOWN HALL

Town of Geddes, Onondaga County

Project Narrative

The Geddes Town Hall is located on Woods Road in the Village of Solvay, a short distance south of Milton Avenue (see Figure 1). A Village of Solvay sewer runs along Woods Road, eventually discharging to the West Side Trunk Sewer where it crosses Bridge Street. Drainage from the Town Hall currently discharges to an enclosed drainage system that flows to the Village storm sewer system along Woods Road and then into the drainage system on the former Allied site, eventually going to the West Flume? That flows to Geddes Brook (see Figure 2).

The West Side Trunk Sewer currently suffers from large amounts of infiltration and inflow in the system.

The Town of Geddes is proposing to repave the parking lot at the Town Hall with pervious asphalt. A drawing showing the area proposed to be repaved is attached as Appendix C. Asphalt curbing will be installed at the edge of the pavement against the hillside to the east, to help prevent sediment from washing onto the pavement, and to keep cars from parking off the pavement and destroying the grass.

Drainage Analysis

The overall watershed that drains through the Town Hall property to the storm sewers along Woods Road is about 7.91 acres. However a large portion of this, including the Solvay Senior Apartments, drains to a piped system that runs along the Woods Road Park access road. The drainage from the Town Hall roof is also directly tied into this piped system. The area that would actually drain to the pervious pavement is about 4.35 acres, including a portion of the Woods Road Park that drains to the access road, the hillside behind the Town Hall, and the Town Hall Site other than the roof. A small area in this watershed behind the apartments is grass, while the rest of the top of the hill is woods and brush. The steep part of the slope behind the Town Hall is badly eroded. The portion of the park that would drain to the pervious pavement is a mix of impervious and grass (see Figure 3). The total existing impervious area that would drain to the pervious pavement is approximately 1.20 acres or 52377 Square feet. Of this, 41959 square feet will be converted to pervious pavement. The soils in the watershed are various Ontario soils (see Figure 3), which are Hydrologic Soil Group B and generally exhibit good infiltration in the subsoil.

The amount of stormwater captured by the project was estimated assuming that the converted areas would entirely capture the 90% rainfall event (0.9 inches of rainfall for Onondaga County) Based on a total of 41,959 square feet and capturing 90% of the annual rainfall of 39.5 inches, the stormwater captured would be about 930,000 gallons per year.

Pictures

Pictures of the site are included in Appendix A.

Property Description

A copy of the deed for the Geddes Town Hall is given in Appendix B.

Project Budget

As detailed in Table I, the total cost of the project is estimated at about \$145,000., including engineering and contingency. The Town would provide engineering for the project by the Town Engineer as its share of the project costs, so the total being requested from the County for this program will be \$119,000.

Maintenance Schedule

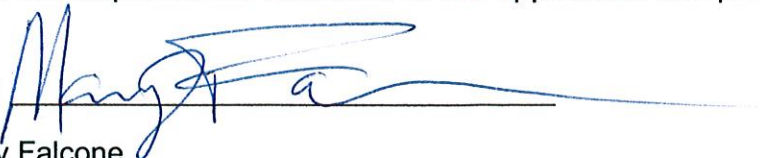
The Town of Geddes Highway Department will maintain the pervious pavement. The pavement will be vacuum swept four times a year. If ponding still starts to occur, the pervious pavement will be pressure washed keeping the nozzle at a low angle to the pavement to remove debris.

14. Signatures

All applicants must sign Part A below. Part B must be signed by the application preparer, if different.

A. Applicant Signature:

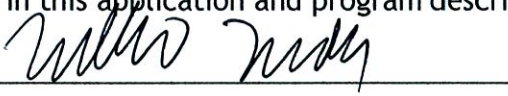
I, the undersigned, certify that I am authorized to initiate the Save the Rain SGIP funding application process on behalf of the project described and that the green infrastructure project will be constructed, in its entirety, on property owned by the municipality of Geddes. I have read and understand the requirements described in this application and program description.

Applicant Signature:  _____
Print Name: Manny Falcone

Title: Supervisor Date: 03/28/12

B. Application Preparer Signature:

I, the undersigned, affirm that the project descriptions, numerical and financial estimates, and all other information I have provided in this application are true and complete to the best of my knowledge. I have read and understand the requirements described in this application and program description.

Applicant Signature:  _____
Print Name: William D. Morse Firm: _____

Title: Town Engineer Date: 03/28/12

Phone: (315) 468-2527 ext. 308 Email: engineer@townofgeddes.com

C. Legal Disclaimer:

Completion of this application does not entitle the applicant to financial assistance. Any such assistance must be approved by WEP. Additional information may be requested to consider this application complete. Applicant must comply with all applicable federal, state, and local laws, including environmental laws and permitting requirements.

Table 1 - Cost Estimate

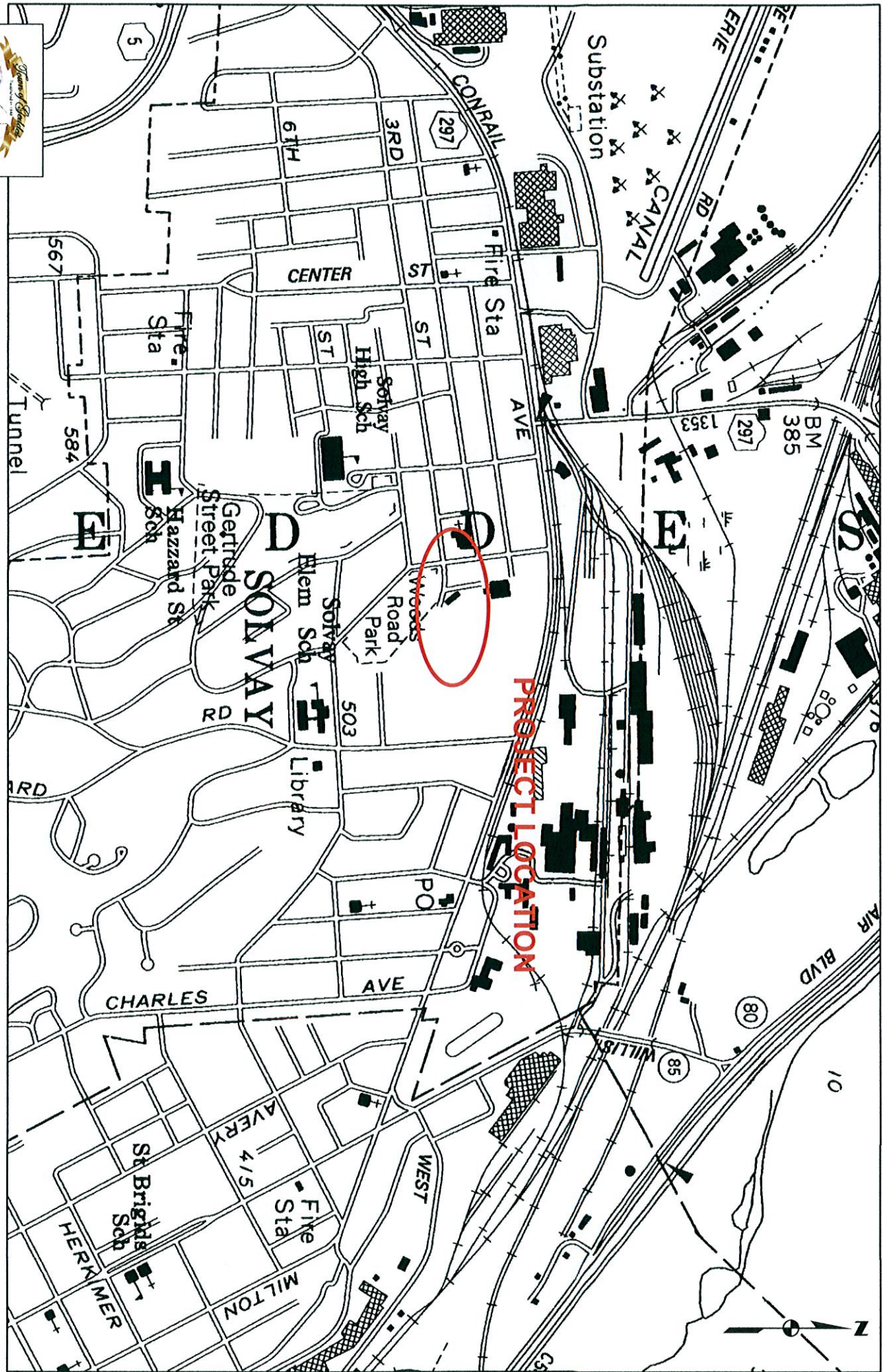
Project: Geddes Town Hall Suburban Green Infrastructure

Date: 03/28/12

Item No.	Description	Quantity	Units	Unit Price	Item Total
020.03	Site Preparation and Clean-up	1	L.S.	\$5,000.00 /L.S.	\$5,000.00
104.03	Special Backfill- No. 2 Washed Stone	1554	C.Y.	\$27.00 /C.Y.	\$41,958.00
501.01	Box Out Road	1762	C.Y.	\$13.50 /C.Y.	\$23,787.00
511.02	Type 3 Sub-base	587	C.Y.	\$25.00 /C.Y.	\$14,675.00
520.01	Stabilization Fabric-Mirafi 180N	3108	S.Y.	\$1.00 /S.Y.	\$3,108.00
531.01	4" Permeable Pavement	1041	S.Y.	\$16.50 /S.Y.	\$17,176.50
Construction Cost =					\$105,704.50
Engineering =					\$26,426.13
Contingency =					\$13,213.06
Total Project Cost =					\$145,343.69

TOWN HALL SUBURBAN GREEN INFRASTRUCTURE
LOCATION PLAN
TOWN OF GEDES, NEW YORK

FIGURE 1









TOWN HALL SUBURBAN GREEN INFRASTRUCTURE
EXISTING WATERSHED
TOWN OF GEDES, NEW YORK

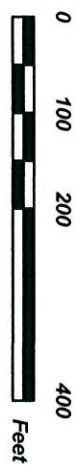




Legend

GeddesSoils

-  HTE, Honeye, Lansing, and Ontario soils, steep
-  OGB, Ontario loam, 2 to 8 percent slopes
-  OnC, Ontario gravelly loam, 8 to 15 percent slopes
-  OPD, Ontario and Madrid soils, 15 to 25 percent slopes
-  Ub, Urban land
-  Town Hall Watershed





ERODING HILLSIDE

NORTH SIDE PARKING



FRONT PARKING



SOUTH SIDE PARKING



PARK ACCESS ROAD



SOUTHWEST PARKING

This Indenture

6
E
D
b

Made the 23rd day of September Nineteen Hundred and Fifty-Three,
Between ALLIED CHEMICAL & DYE CORPORATION,

a corporation organized under the laws of the state of New York, having its principal office and place of business at 61 Broadway in the city of New York, county of New York and state of New York,

party of the first part, and
TOWN OF GEDDES, a municipal corporation of the state of New York,

party of the second part;
Witnesseth, that the party of the first part, in consideration of

One ----- Dollars,
(\$1 -----) lawful money of the United States, and other valuable consideration to it in hand paid by the party of the second part, does hereby remise, release, and quitclaim unto the party of the second part, its successors and assigns forever, all that tract or parcel of land situate in the village of Solvay, county of Onondaga, state of New York, being a part of farm lots 139 and 140, more particularly bounded and described as follows:

See also

Beginning at a point in the northerly line of Russet Lane, said point being 150 feet measured at right angles from the easterly line of Woods Road, said point being also the southeast corner of lands conveyed by The Solvay Process Company to the Village of Solvay by deed dated January 25, 1928 and recorded in the Onondaga county clerk's office in book of Deeds 578 at page 511;

Thence N 70° 28' 30" W along the easterly line of said lands of the village of Solvay a distance of 225 feet to a point;

Thence N 82° 31' 30" E a distance of 200 feet to a point;

Thence S 70° 28' 30" E parallel to the first-mentioned course a distance of 354.43 feet to the northerly line of said Russet Lane;

Thence in a westerly direction along the northerly line of said Russet Lane on a curve to the left a distance of 240.35 feet measured on 100-foot chords to the point of beginning, containing 1.275 acres more or less.

Together with all of the right, title and interest of said part of the first part in and to the land comprising that portion of the public street known as Russet Lane abutting the above-described premises to the center line of said street.

EXCEPTING AND RESERVING, however, unto the party of the first part, its successors and assigns, the permanent right in the first part to maintain and operate its manufacturing plant now located in the vicinity of said premises in the village of Solvay, county of Otsego, state of New York, and also any additions to and extensions of said plant; and in further consideration of the conveyance of the within-described premises, the grantee hereunder hereby acknowledges full satisfaction and discharge for, and does hereby release All Chemical & Dye Corporation, its successors and assigns, from and against all claims for damages at any time sustained by it through the emission of acids, fumes, gases, odors and effluent of any character from the said manufacturing plant and any additions to and extensions of said plant of said party of the first part, its successors and assigns, and the within-described releases shall bind the party of the second part, its successors and assigns, and shall constitute a covenant running with the land.

This conveyance is given and accepted upon the express condition that said above-described premises are to be used by said Town of Geddes solely as a site for its proposed Town Hall and for other public purposes incidental thereto; and in the event said premises cease to be used for such purposes, said premises shall ipso facto revert to, re-vest in and become the property of the party of the first part, its successors and assigns, and the party of the first part, its successors and assigns, without notice and without being required to proceed in any action at law or in equity, shall have the right to re-enter and take immediate possession of said premises when and as said premises cease to be used for such purposes.

The party of the second part covenants with the party of the first part that neither it nor its successors, assigns, lessees or grantees nor any person or persons acting under its authority shall at any time hereafter manufacture or sell upon the said premises any intoxicating or malt liquor, and this covenant shall run with the land.

Together with the appurtenances and all the estate and rights of the party of the first part in and to the said premises.

To have and to hold the premises herein granted unto the party of the second part, its successors and assigns forever.

~~The presence of~~

In Witness Whereof. The party of the first part has caused its corporate seal to be hereunto affixed, and these presents to be signed by its duly authorized officer the day and year first above written.

ATTEST:


R. Hansen

Assistant Secretary

ALLIED CHEMICAL & DYE CORPORATION

By

Harry Stegman
Vice President



State of New York

County of New York }
City of New York } S.S.

On this 25th day of September Nineteen Hundred and Fifty-Three, before me personally came MAERY S. FERGUSON to me personally known who, being by me duly sworn did depose and say that he resides in South GRANGE, N.J. that he is the vice President of Allied Chemical & Dye Corporation, the corporation described in and which executed the above Instrument; that he knows the seal of said corporation; that the seal affixed to said Instrument is such corporate seal; that it was so affixed by order of the Board of Directors of said corporation, and that he signed his name thereto by like order.

William Shiland

Notary Public

WILLIAM SHILAND
NOTARY PUBLIC, State of New York
No. 31,3642575
Qualified in New York County
Cert. filed with New York County Reg.
Term Expires March 30, 1954

RECORDED THIS 14th DAY OF October 1953
AT 4:35 P.M.
W. Snowden Smith III
COUNTY CLERK

File into 139, 141
136
Hester
Deed
CORPORATION - QUIT CLAIM
From
to

ALLIED CHEMICAL & DYE CORPORATION

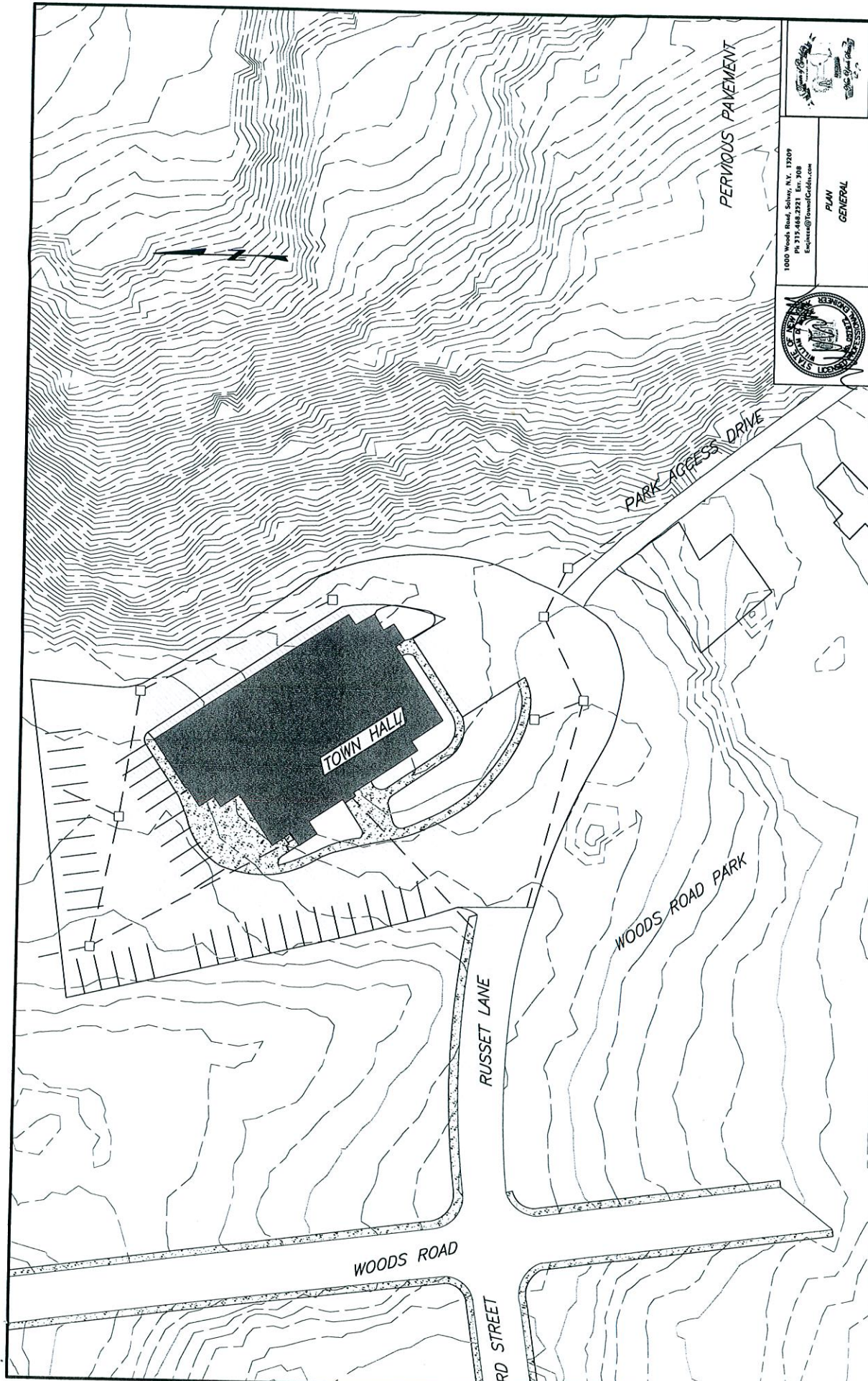
Wait to TO
TOWN OF GEEDS
2079 Mulberry St.
South Grange N.J.

Dated, September 23, 1953

Notary
STATE OF NEW YORK
County of *Orange* 55.

RECORDED
ON THE
14 day of October, A.D. 1953
at 4:35 o'clock P.M.
in LIBER 1654 of DEEDS
at PAGE 215 RECORDED
W. Snowden Smith III

Not 14 4:35 PM 1953
CLERK
COUNTY CLERK'S OFFICE
CLERK



	1000 Woods Road, Solway, N.Y. 13209 PH 315-488-2321 Ext. 308 Engineers@TowsonCadden.com		COUNTY OF ONONDAGA
	PLAN GENERAL		GEDDES TOWN HALL SUBURBAN GREEN INFRASTRUCTURE
DATE: MARCH 26, 2012		PREPARED BY:	
SCALE: 1" = 50'		DRAWN BY:	
CHECKED BY:		DATE:	
APPROVED BY:		DATE:	