Charles Collins 68 Hickory Drive Permit Application Part I – Responses

- A. Applicant Information
 - a. Name Charles E. Collins
 - b. Address 68 Hickory Drive, South Glastonbury, CT
 - c. Phone Number 860-985-3407
- B. Landowner Information Same as applicant
- C. Applicant's Interest in the land Home residence
- D. Geographical Location See attachment A
- E. Land Description See Attachment A
- F. Narrative Installation of a 8" PVC pipe to convey flow from upstream neighbor's driveway drainage pipe through the lawn section in the rear of the household.
- G. Not Applicable Activity subject to permit approval is completed and permanently stabilized
- H. Not Applicable Activity subject to permit approval is completed and permanently stabilized
- I. Not Applicable Activity subject to permit approval is completed and permanently stabilized
- J. Not Applicable Activity subject to permit approval is completed and permanently stabilized
- K. See Attachment B
- L. Not Applicable
- M. Abbutting Neighbors
 - a. 84 Hickory Drive
 - i. Jeff P. Caiola & Kathleen A. Caiola
 - b. 56 Hickory Drive
 - i. Margaret M Kenney
- N. I certify I am aware of all information provided within this application

- O. Not Applicable
- P. Not Applicable Activity subject to permit approval is completed and permanently stabilized
- Q. I Charles Collins authorize members and designated agent(s) of the agency to inspect the property for compliance with the permit.
- R. Not Applicable
- S. Filing Fee Attached with application Approx 500 sq ft of wetlands regulated and approx. 200 sq ft disturbed when pipe was installed. Application Fee \$63.00
- T. Certifications for Adjoining Municipalities
 - a. Property is not within 500' of an adjoining municipality
 - b. Not applicable
 - c. Not Applicable
 - d. Not Applicable
- U. Not Applicable
- V. See Attachment C Engineer's Report for installed pipeline

Signature of Applicant

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Date



Town of Glastonbury GIS Parcel Report

Alachment &

Report Generated 4/23/2020 7:41:37 AM

Owner of Record

GIS ID:

30000068

Owner:

COLLINS CHARLES E IV+MARY ELIZABETH

Co-Owner:

Address:

68 HICKORY DR

City, State ZIP: S GLASTONBURY, CT 06073-3212

Parcel Information

 Map/Street/Lot
 E13 / 3000 / E0003A
 Property ID: 2296

 Developer Lot ID:
 0001 Water: Well

 Parcel Acreage:
 1.04 Sewer: Septic

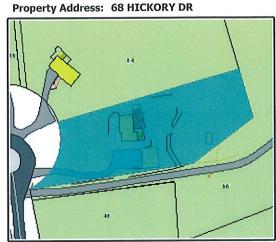
 Zoning Code:
 AA Census: 5205.01

Valuation Summary

Item	Appraised Value	Assessed Value
Buildings	201100	140800
Land	132300	92600
Appurtenances	59700	41800

Total 393100 275200

Account Number: 30000068



Property highlighted in blue

Building ID



Owner of Record	Deed / Page	Sale Date	Sale Price
COLLINS CHARLES E IV+MARY ELIZABETH	2414/0181	01/29/2007	335000
MONZEGLIO CHARLES I+REBECCA C	1374/0242	09/11/2000	207500
FIORA WILLIAM J+KIRSTIE C	1139/0240	02/10/1998	0
FIORA WILLIAM J+KIRSTIE C	1077/0098	05/01/1997	170000
DIMMETT EMMA L	0173/0596	10/13/1970	0

Building Information

Year Constructed: 1960 Building Type: Resid

Style:

Residential Colonial Single Family

Occupany:

Stories: 2
Building Zone: AA
Roof Type: Gable
Roof Material: Asphalt Shingl

Est. Gross S.F.: 4504 **Est. Living S.F.:** 2052

Number of Rooms: 6
Number of Bedrooms: 03
Number of Bathrooms: 1
Number of Half-Baths: 1

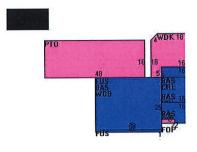
Exterior Wall:

Interior Wall : Interior Floor : Interior Floor #2 :

Interior Floor: Hardword Interior Floor #2: No entral Air Conditioning Type: Central

Heat Type : Fuel Type : : 1 1 Wood Shingles

Wood Shingles
Drywall
Hardwood
No entry
Central
Hot Water



2296

Subarea Type	Est. Gross S.F.	Est. Living S.F.	Outbuilding Type	Est. Gross S.F.	Comme
First Floor	1220	1220	Gar w/1.5 St	1008.00	
Crawl	420	0	Generater	1.00	
Fin. Lower Level	600	0	Patio-Concrete	600.00	
Porch, Open	12	0	Shed-Wood/Comp	240.00	
Upper Story, Finished	832	832	Pool IG Vinyl	1200.00	
Patio	864	0			
Wood Deck	356	0			
Walk out basement	200	0			

Oil

Attachment C

MEGSON, HEAGLE & FRIEND

CIVIL ENGINEERS & LAND SURVEYORS, LLC 81 RANKIN ROAD GLASTONBURY, CONNECTICUT 06033 PHONE (860) 659-0587 FAX (860) 657-4429

March 27, 2020

Mr. Tom Mocko
Environmental Planner
Community Development
Glastonbury Town Hall
2155 Main Street
PO Box 6523
Glastonbury, CT 06033

Re:

Engineers Report Charles Collins 68 Hickory Drive South Glastonbury, CT 06073

Dear Tom:

I have been retained by Mr Charles Collins and his wife Mary to respond to the concerns of the Glastonbury Conservation Commission/Inland Wetlands and Watercourses Agency in relation to a Notice of Violation Order Concerning the Piping of and Intermittent Watercourse dated February 5, 2020. Pursuant to our phone discussion I visited the property on March 26th to observe the existing conditions and pipe installation. You indicated a drainage analysis of the pipe was in order to assess the stability and adequacy of the installation. Accordingly, I am including the results of my analysis in this letter report.

The intent of my site visit was to determine the extent of the drainage area the pipe is receiving. I also needed to measure the pipe diameter. In addition, the neighbor's driveway, immediately to the south at 56 Hickory Drive, also has a culvert which picks up the same drainage area. I wanted to measure the size of that pipe and observe how it appeared to be functioning. I took pictures of the area and have included a few with this report with an index of where the photos were taken.

The following are my observations from the site visit:

- The existing pipe on the Collins property is an 8" PVC pipe approximately 90' long. The Glastonbury GIS website indicates the pipe should have an approximate slope of 5.5%.
- According to the homeowner this pipe was installed in the spring of 2018 to convey flow
 previously directed through a stone lined drainage ditch. This ditch was located about
 50-80' behind the house and through the back yard.

- A shorter culvert was previously located in the ditch that was approximately 20' long.
 This provided access to the rear portion of the property.
- The ditch was filled and the area is now a manicured lawn.
- The pipe on 56 Hickory Drive is a 10" PVC pipe.
- The pipe on 56 Hickory Drive appears to be partially filled in with sediments.
- No channelization is present uphill of the driveway of 56 Hickory Drive leading to the inlet of the 10" pipe which would indicate a concentrated surface flow.
- No erosion or evidence of overland flow was observed in the area of both culverts which
 would indicate the culverts capacities had been exceeded.
- The culverts appear to be receiving groundwater as the primary source of flow.

My onsite observations in conjunction with the topographic information available on the Glastonbury GIS website indicate the drainage area to the culverts is approximately 0.60 acres. A map is attached depicting this area. The peak runoff for a 100 years storm would be 1.0 cfs as calculated with the Rational Method. Utilizing Hydroflow Storm Sewers, the capacity of the 8" pipe is 2.9 cfs. Therefore, the pipe has more than adequate capacity to convey the surface runoff and groundwater flow it receives

In conclusion and based on my onsite observations, the contributing drainage area is relatively small and the 8" pipe is adequately conveying the flow it collects. The attached drainage calculations support these observations. Based on this, the area is expected to stay stable and the installed pipe should function as intended.

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

Sincerely,

Mark W. Friend, Principal P.E., Soil Scientist, LEED AP

MEGSON, HEAGLE & FRIEND Civil Engineers & Land Surveyors, LLC 81 Rankin Road Glastonbury, Connecticut 06033 (860) 659-0587

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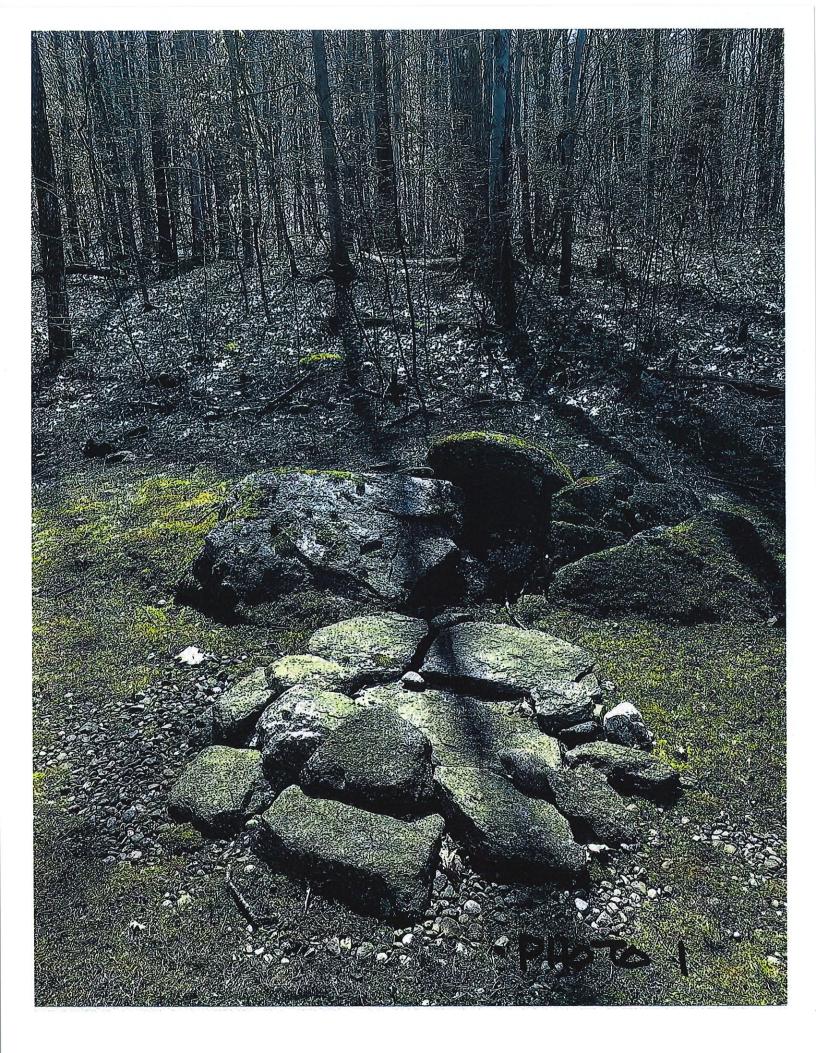
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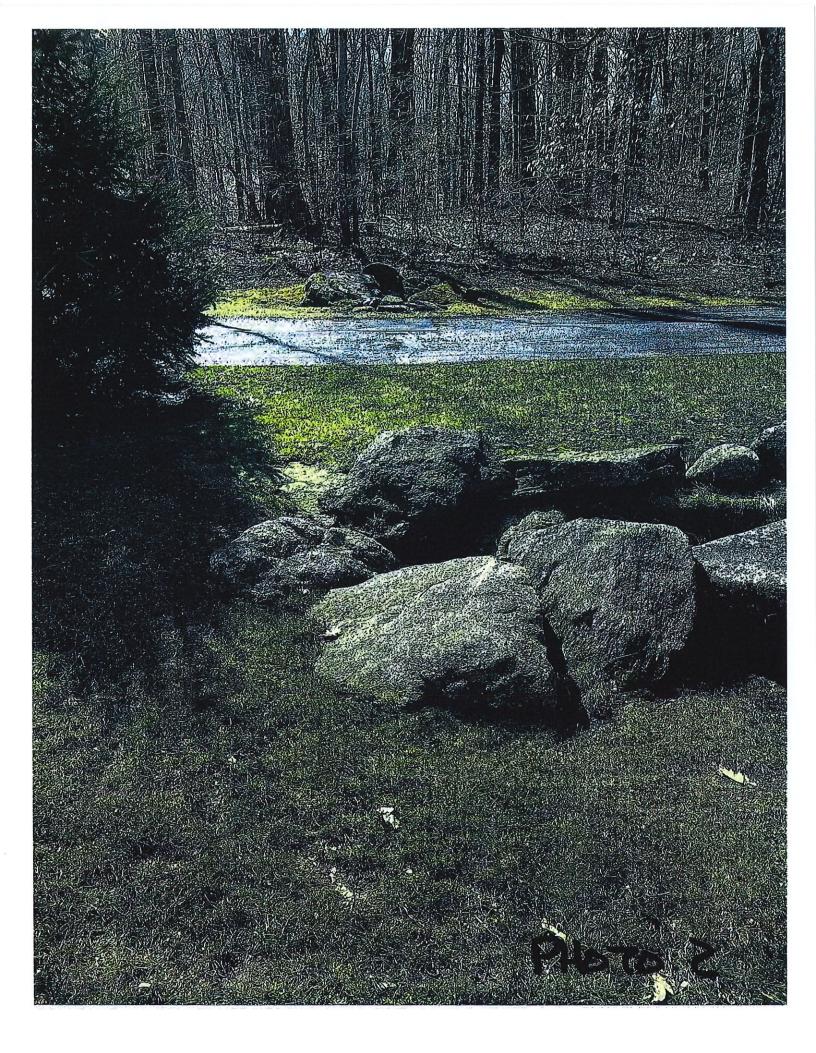
Hydraulic Grade Line Computations

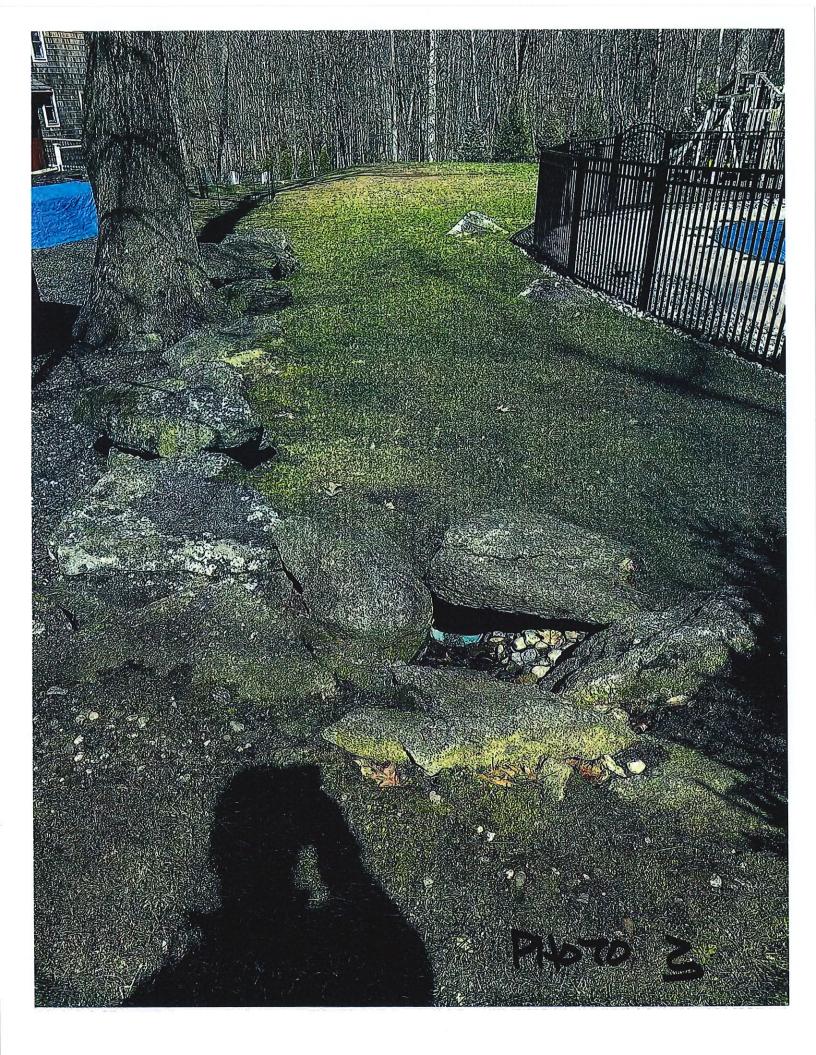
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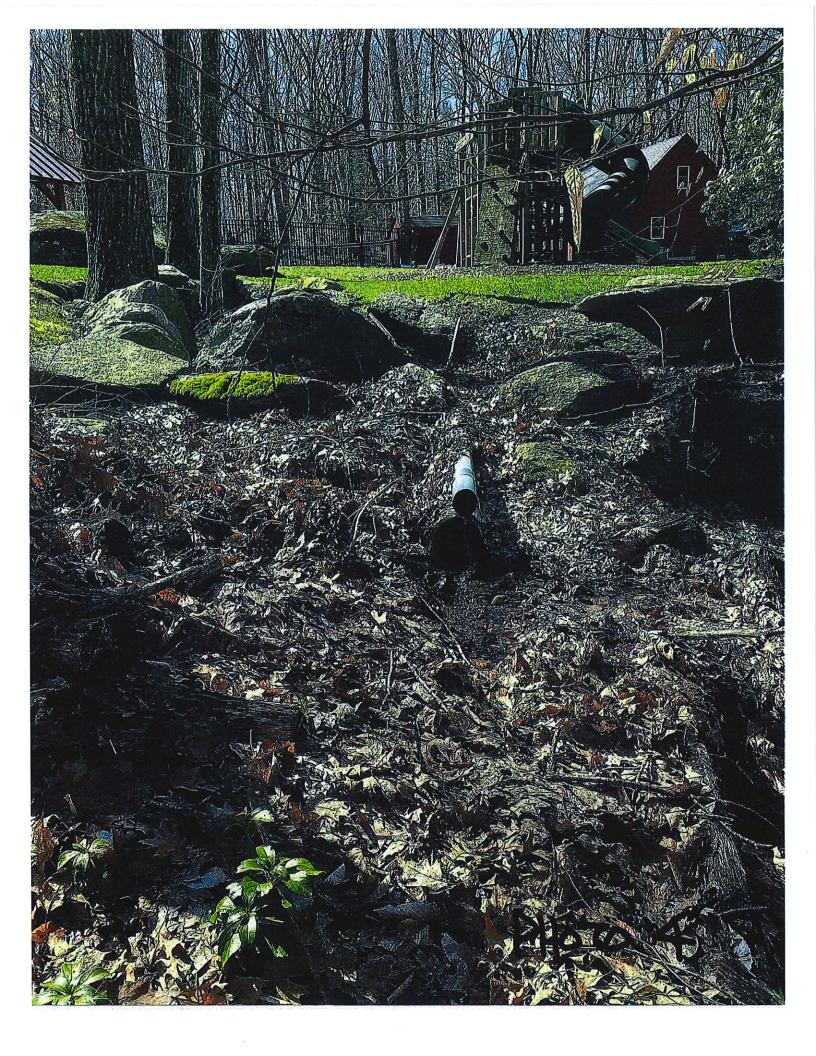
Storm Sewer Tabulation

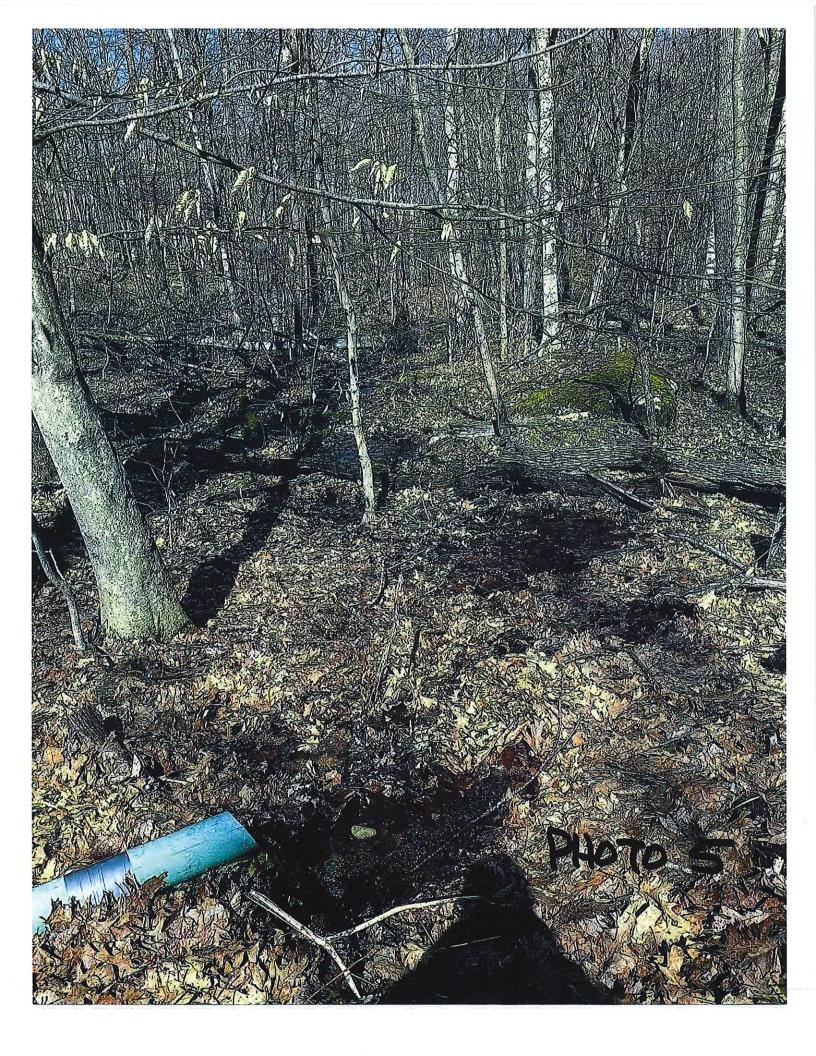
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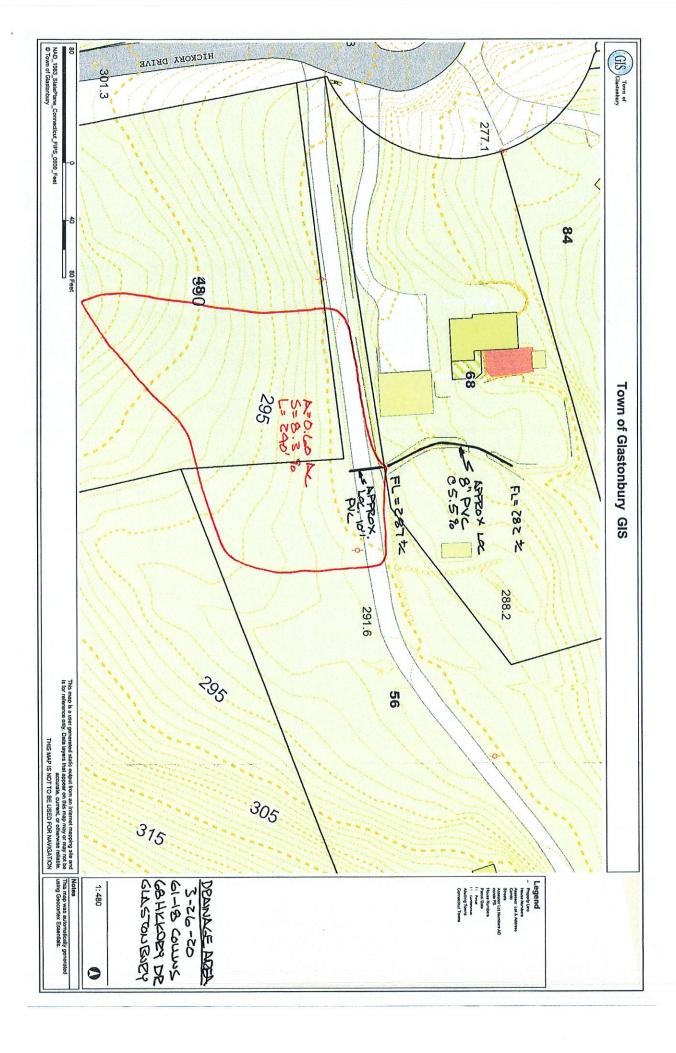


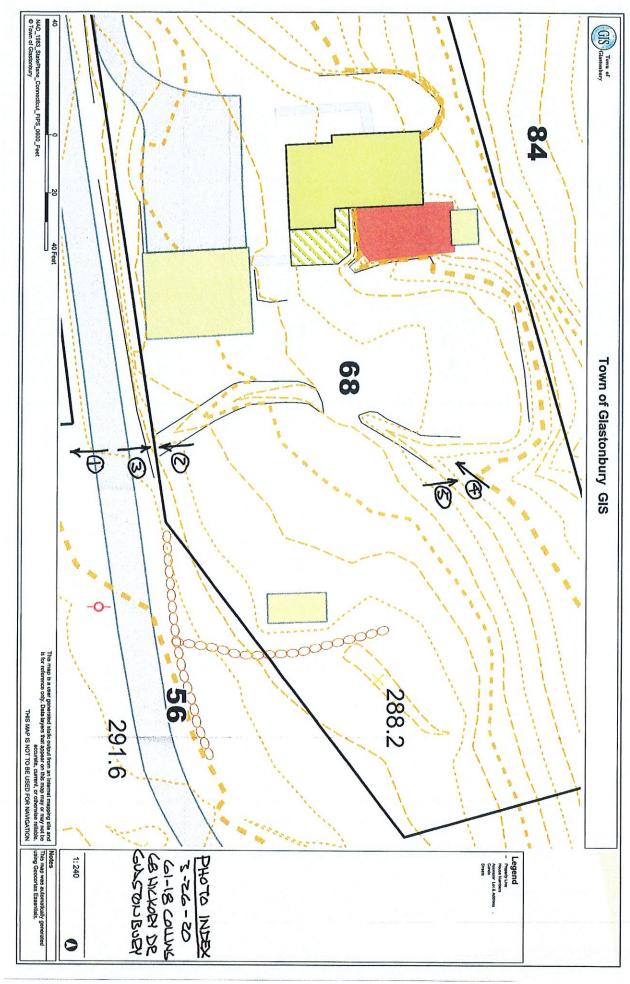












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