

9 North Street, Brookville  
(HPC Case # 23/65-10C)  
Brookville Historic District



## HISTORIC PRESERVATION COMMISSION

Isiah Leggett  
County Executive

Thomas Jester  
Chairperson

Date: April 29, 2010

### MEMORANDUM

TO: Carla Reid, Director  
Department of Permitting Services

FROM: Josh Silver, Senior Planner *JRS*  
Historic Preservation Section  
Maryland-National Capital Park & Planning Commission

SUBJECT: Historic Area Work Permit #534501, installation of three ground mount poles with solar arrays

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The Montgomery County Historic Preservation Commission (HPC) has reviewed the attached application for a Historic Area Work Permit (HAWP). This application was **approved** at the April 28, 2010 meeting.

The HPC staff has reviewed and stamped the attached construction drawings.

THE BUILDING PERMIT FOR THIS PROJECT SHALL BE ISSUED CONDITIONAL UPON ADHERENCE TO THE ABOVE APPROVED HAWP CONDITIONS AND MAY REQUIRE APPROVAL BY DPS OR ANOTHER LOCAL OFFICE BEFORE WORK CAN BEGIN.

Applicant: Fred Teal Jr. and Teresa Meeks

Address: 9 North Street, Brookeville

This HAWP approval is subject to the general condition that the applicant will obtain all other applicable Montgomery County or local government agency permits. After the issuance of these permits, the applicant must contact this Historic Preservation Office if any changes to the approved plan are made. Once the work is complete the applicant will contact the staff person assigned to this application at 301-563-3400 or [joshua.silver@mncppc-mc.org](mailto:joshua.silver@mncppc-mc.org) to schedule a follow-up site visit.





DPS - #8

HISTORIC PRESERVATION COMMISSION  
301/563-3400

# APPLICATION FOR HISTORIC AREA WORK PERMIT

Contact Person: Fred T. Teal, Jr

Daytime Phone No.: 301 928-2778

Tax Account No.: 02941741

Name of Property Owner: Fred Teal, Jr / Teresa Meeks Daytime Phone No.: 301 774-8151

Address: 9 North Street Brookeville MD 20833-2508  
Street Number City State Zip Code

Contractor: Clean Currents Solar of the Mid-Atlantic LLC Phone No.: 301 754-0430

Contractor Registration No.: 100065

Agent for Owner: Katherine Kesselring Daytime Phone No.: 301 754-0430 ex 708

**LOCATION OF BUILDING/PERMITS**

House Number: 9 Street: North Street  
Town/City: Brookeville Nearest Cross Street: Market Street  
Lot: 4 Block: A Subdivision: Brookeville Manor  
Liber: 10102 Folio: 848 Parcel: \_\_\_\_\_

**PART ONE: TYPE OF PERMIT ACTION AND USE**

1A. CHECK ALL APPLICABLE:

- Construct
- Extend
- Alter/Renovate
- Move
- Install
- Wreck/Raze
- Revision
- Repair
- Revocable

CHECK ALL APPLICABLE:

- AC
- Stab
- Room Addition
- Porch
- Deck
- Shed
- Solar
- Fireplace
- Woodburning Stove
- Single Family
- Fence/Wall (complete Section 4)
- Other: \_\_\_\_\_

1B. Construction cost estimate: \$ ~~35,000~~ 45,000

1C. If this is a revision of a previously approved active permit, see Permit # \_\_\_\_\_

**PART TWO: COMPLETE FOR NEW CONSTRUCTION AND EXTEND/ADDITIONS**

2A. Type of sewage disposal: 01  WSSC 02  Septic 03  Other: \_\_\_\_\_

2B. Type of water supply: 01  WSSC 02  Well 03  Other: \_\_\_\_\_

**PART THREE: COMPLETE ONLY FOR FENCE/RETAINING WALL**

3A. Height \_\_\_\_\_ feet \_\_\_\_\_ inches

3B. Indicate whether the fence or retaining wall is to be constructed on one of the following locations:  
 On party line/property line  Entirely on land of owner  On public right of way/easement

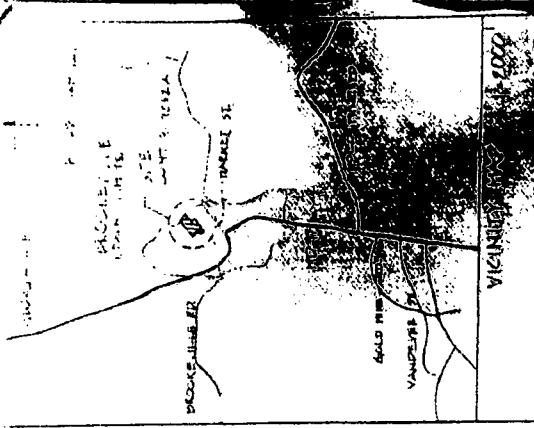
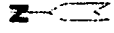
I hereby certify that I have the authority to make the foregoing application, that the application is correct, and that the construction will comply with plans approved by all agencies listed and I hereby acknowledge and accept this to be a condition for the issuance of this permit.

Fred T. Teal, Jr  
Signature of owner or authorized agent

March 29, 2010  
Date

Approved:  \_\_\_\_\_  
Disapproved: \_\_\_\_\_  
Application/Permit No.: 334501 Date Filed: 4/6/2010 Date Issued: \_\_\_\_\_  
For Chairperson, Historic Preservation Commission  
FOR THOMAS JESPER, CHAIRPERSON





OWNER:  
 FRED C. BEECHER, JR.  
 1111 S. BEECHER ROAD  
 GREENBELT, MD 20770  
 PH (301) 474-2421

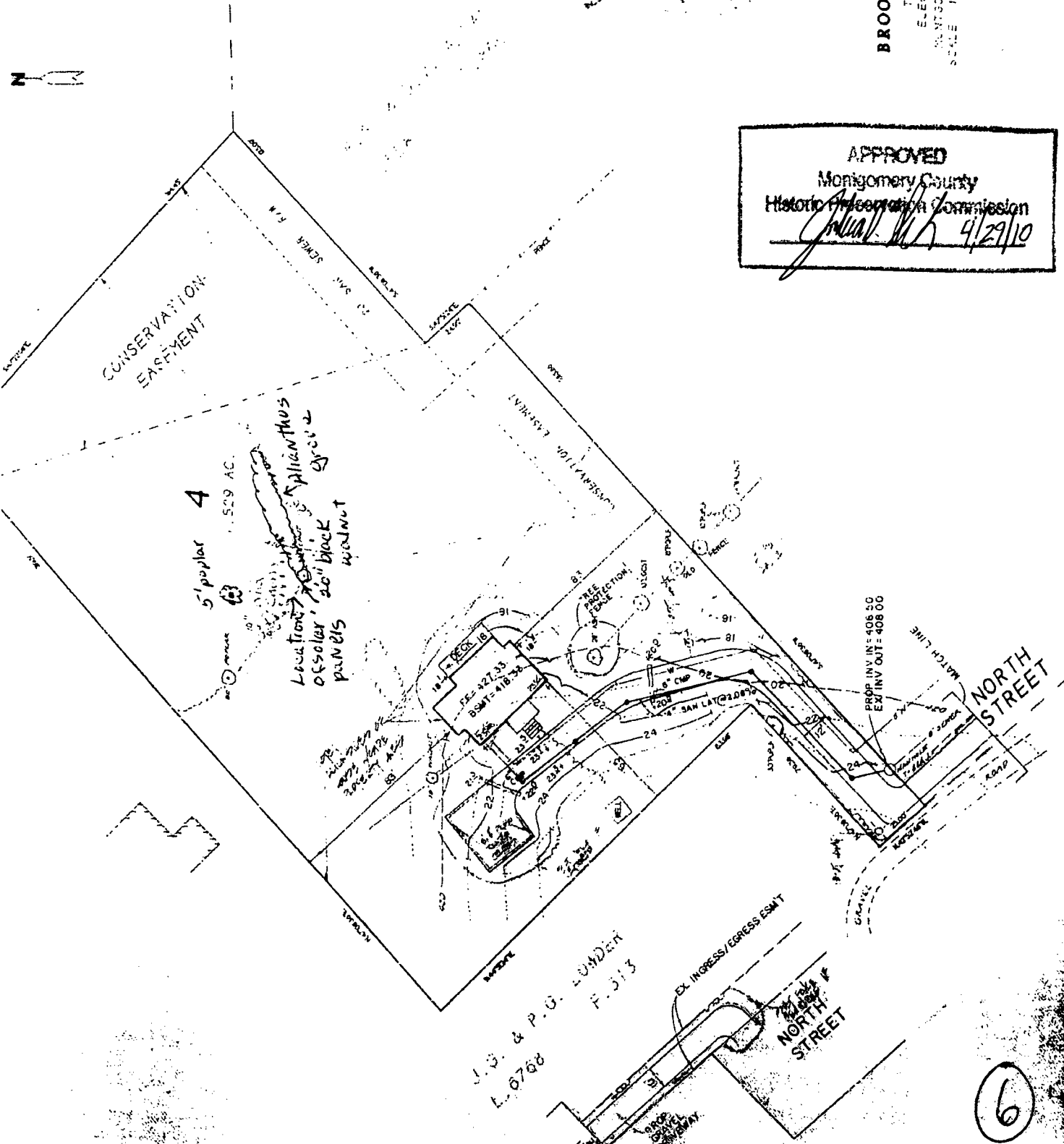
**SITE PLAN**

LOT 4 - BLOCK A

**BROOKVILLE MANOR**

TOWN OF BROOKVILLE  
 ELECTION DISTRICT NO. 8  
 MONTGOMERY COUNTY, MARYLAND  
 SCALE 1" = 30'

APPROVED  
 Montgomery County  
 Historic Preservation Commission  
*[Signature]* 4/29/10



J. G. & P. G. LINDEN  
 L. 0708 F-313

6

# Clean Currents SOLAR

## Estimate for Installation

**Customer:**

Name	Fred Teal Jr.	Customer Phone #:
Address	9 North Street	(301) 928-2778
City	Brooksville	
State	MD	
Zip	20833	

**Prepared By:**

0

**Date Prepared**

4/19/2010

THIS AGREEMENT CONSISTS OF THESE THREE PAGES, WHICH ARE ATTACHED HERETO, INCORPORATED HEREIN BY REFERENCE, AND MADE A MATERIAL PART HEREOF.

**Job Description:**

Solar Photovoltaic System Installation. Clean Currents Solar of the Mid-Atlantic, LLC ("CCS MA") will provide system design, site assessment and engineering to meet local and national code and permitting requirements. CCS MA will contract for the installation of solar array on ground along with all necessary equipment. CCS MA will complete paperwork required for state, local or federal tax incentives and grants.

**Exclusions:**

Estimate only at this time, based upon initial review of space and system capabilities. Additional 3rd party review for structural and electrical may be required. Pricing assumes site is ready for installation.

**System Size:**

<b>8.084 Kw SHARP Photovoltaic Electric System</b>		
Number	Rating	
36	224 Sharp	
2	TBA	
11,125 KWh/Yr	Estimated Production	

**Included Items:**

Included	25 year factory warranty on panels
Included	10 yr Factory Warranty on Inverter
Included	Mounting of Array
Included	Labor Installation
Included	Engineering
Included	Hardware and Equipment
Included	Wiring
Included	AC Electrical hook-up
Included	Permits

**Purchase Price:**

**\$ 53,628**

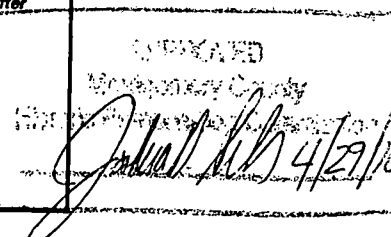
(Customer may be responsible for additional costs as set forth in the Terms and Conditions)

Included	5 years
	Limited Warranty (set forth in Terms and Conditions)
	3 DPW Pole Mounts
	Micro Inverters      Clean Currents Customer Discount

**Payment Plan:**

Upon signing this Agreement, Customer hereby agrees to the above Purchase Price.

30% Deposit of the Total Amount Due is required upon signing of contract. 60% of Total Amount Due is due upon delivery of panels at site and before installation can take place. Remaining 10% of Total Amount Due is due within 10 days after completion of installation.		
Deposit	If required, part of initial payment	\$1,000
Initial Payment	due on signing contract	\$15,088
Financing	taken from balance (provided by funder)	\$0
Second Payment	due upon panel delivery and before installation begins	\$32,175
Third Payment	within 10 days after completion of installation	\$5,363

  
 Notary Seal: [Illegible]  
 Signature: [Illegible] 4/29/10

**Signature of Purchaser:**

(Name and Title Below)

By: \_\_\_\_\_

**Signature of Clean Currents Solar of the Mid-Atlantic, LLC**

**Date of offer**

4/20/2010

**Offer Expires**

5/21/2010

By: \_\_\_\_\_  
Lee Keshishian, Managing Member

Documents are for viewing only of Customer listed. Information and documents are property of CCS MA and not to be shared with any other party.

**EXPEDITED**  
**MONTGOMERY COUNTY HISTORIC PRESERVATION COMMISSION**  
**STAFF REPORT**

<b>Address:</b>	9 North Street, Brookeville	<b>Meeting Date:</b>	4/28/2010
<b>Resource:</b>	Non-Contributing Resource Brookeville Historic District	<b>Report Date:</b>	4/21/2010
<b>Applicant:</b>	Fred Teal Jr. and Teresa Meeks	<b>Public Notice:</b>	4/14/2010
<b>Review:</b>	HAWP	<b>Tax Credit:</b>	N/A
<b>Case Number:</b>	23/65-10C	<b>Staff:</b>	Josh Silver
<b>PROPOSAL:</b>	Solar array installation		

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**STAFF RECOMMENDATION:**

- Approve  
 Approve with conditions

**ARCHITECTURAL DESCRIPTION**

**SIGNIFICANCE:** Non-Contributing Resource within the Takoma Park Historic District  
**STYLE:** Modern  
**DATE:** 1996

**PROPOSAL:**

The applicants are proposing to install eighteen solar panels on three ground mounted pole systems in the rear yard of the property. The proposed panels will be setback approximately 265' +/- from the public right-of-way (North Street).

**APPLICABLE GUIDELINES:****Montgomery County Code; Chapter 24A-8**

- (a) The commission shall instruct the director to deny a permit if it finds, based on the evidence and information presented to or before the commission that the alteration for which the permit is sought would be inappropriate, inconsistent with or detrimental to the preservation, enhancement or ultimate protection of the historic site or historic resource within an historic district, and to the purposes of this chapter.
- (b) The commission shall instruct the director to issue a permit, or issue a permit subject to such conditions as are found to be necessary to insure conformity with the purposes and requirements of this chapter, if it finds that:

- (1) The proposal will not substantially alter the exterior features of an historic site or historic resource within an historic district; or
  - (2) The proposal is compatible in character and nature with the historical, archeological, architectural or cultural features of the historic site or the historic district in which an historic resource is located and would not be detrimental thereto or to the achievement of the purposes of this chapter; or
  - (3) The proposal would enhance or aid in the protection, preservation and public or private utilization of the historic site or historic resource located within an historic district in a manner compatible with the historical, archeological, architectural or cultural value of the historic site or historic district in which an historic resource is located; or
  - (4) The proposal is necessary in order that unsafe conditions or health hazards be remedied; or
  - (5) The proposal is necessary in order that the owner of the subject property not be deprived of reasonable use of the property or suffer undue hardship; or
  - (6) In balancing the interests of the public in preserving the historic site or historic resource located within an historic district, with the interests of the public from the use and benefit of the alternative proposal, the general public welfare is better served by granting the permit.
- (c) It is not the intent of this chapter to limit new construction, alteration or repairs to any 1 period or architectural style.
  - (d) In the case of an application for work on an historic resource located within an historic district, the commission shall be lenient in its judgment of plans for structures of little historical or design significance or for plans involving new construction, unless such plans would seriously impair the historic or architectural value of surrounding historic resources or would impair the character of the historic district. (Ord. No. 9-4, § 1; Ord. No. 11-59.)

**STAFF RECOMMENDATION:**

Staff recommends that the Commission **approve the HAWP application with condition specified on Circle 1** as being consistent with Chapter 24A-8(b), (1) and (2):

and with the general condition that the applicant shall present the **3 permit sets of drawings, if applicable, to Historic Preservation Commission (HPC) staff for review and stamping** prior to submission for the Montgomery County Department of Permitting Services (DPS) building permits;

and with the general condition that the applicant shall notify the Historic Preservation Staff if they propose to make **any alterations** to the approved plans. Once the work is completed the applicant will **contact the staff person** assigned to this application at 301-563-3400 or [joshua.silver@mncppc-mc.org](mailto:joshua.silver@mncppc-mc.org) to schedule a follow-up site visit.



HISTORIC PRESERVATION COMMISSION  
301/563-3400

# APPLICATION FOR HISTORIC AREA WORK PERMIT

Contact Person: Fred T. Teal, Jr  
Daytime Phone No.: 301 928-2778

Tax Account No.: 02941741

Name of Property Owner: Fred T Teal, Jr/Teresa Meeks Daytime Phone No.: 301 774-8151

Address: 9 North Street Brookeville MD 20833-2508  
Street Number City State Zip Code

Contractor: Clean Currents Solar of the Mid-Atlantic LLC Phone No.: 301 754-0430

Contractor Registration No.: 100065

Agent for Owner: Katherine Kesselring Daytime Phone No.: 301 754-0430 ex 708

**LOCATION OF BUILDING/PREMISE**

House Number: 9 Street: North Street  
Town/City: Brookeville Nearest Cross Street: Market Street  
Lot: 4 Block: A Subdivision: Brookeville Manor  
Liber: 10102 Folio: 848 Parcel:

**PART ONE: TYPE OF PERMIT ACTION AND USE**

1A. CHECK ALL APPLICABLE:

- Construct
- Extend
- Alter/Renovate
- Move
- Install
- Wreck/Raze
- Revision
- Repair
- Revocable

CHECK ALL APPLICABLE:

- A/C
- Stab
- Room Addition
- Porch
- Deck
- Shed
- Solar
- Fireplace
- Woodburning Stove
- Single Family
- Fence/Wall (complete Section 4)
- Other: \_\_\_\_\_

1B. Construction cost estimate: \$ ~~25,000~~ 150,000

1C. If this is a revision of a previously approved active permit, see Permit # \_\_\_\_\_

**PART TWO: COMPLETE FOR NEW CONSTRUCTION AND EXTEND/ADDITIONS**

2A. Type of sewage disposal: 01  WSSC 02  Septic 03  Other: \_\_\_\_\_

2B. Type of water supply: 01  WSSC 02  Well 03  Other: \_\_\_\_\_

**PART THREE: COMPLETE ONLY FOR FENCE/RETAINING WALL**

3A. Height \_\_\_\_\_ feet \_\_\_\_\_ inches

3B. Indicate whether the fence or retaining wall is to be constructed on one of the following locations:

- On party line/property line
- Entirely on land of owner
- On public right of way/easement

I hereby certify that I have the authority to make the foregoing application, that the application is correct, and that the construction will comply with plans approved by all agencies listed and I hereby acknowledge and accept this to be a condition for the issuance of this permit.

Fred T Teal, Jr  
Signature of owner or authorized agent

March 29, 2010  
Date

Approved: \_\_\_\_\_ For Chairperson, Historic Preservation Commission

Disapproved: \_\_\_\_\_ Signature: \_\_\_\_\_ Date: \_\_\_\_\_

Application/Permit No.: 534501 Date Filed: 4/6/2010 Date Issued: \_\_\_\_\_





**THE FOLLOWING ITEMS MUST BE COMPLETED AND THE  
REQUIRED DOCUMENTS MUST ACCOMPANY THIS APPLICATION.**

**1. WRITTEN DESCRIPTION OF PROJECT**

- a. Description of existing structure(s) and environmental setting, including their historical features and significance:

The home was constructed in 1996 in the Brookeville historic district. There is a conservation easement at the rear of the property. The owners desire to install solar panels at the edge of the back woods since the house is not oriented properly for solar. We are requesting permission to install a 8.064 KW SHARP system using ground mounts and remove a small grove of invasive Ailanthus trees (about 20 trees between 4" and 8"

- b. General description of project and its effect on the historic resource(s), the environmental setting, and, where applicable, the historic district:

one 20" black walnut tree and one diseased 5' tulip poplar. The Ailanthus & Black walnut would cast shadows and the tulip poplar is in danger of falling on the solar panels. The panels will be well away from Market Street and not easily visible.

(see attached info. on Ailanthus trees and estimate from Clean Currents,

**2. SITE PLAN**

Site and environmental setting, drawn to scale. You may use your plot. Your site plan must include:

- the scale, north arrow, and date;
- dimensions of all existing and proposed structures; and
- site features such as walkways, driveways, fences, ponds, streams, trash dumpsters, mechanical equipment, and landscaping.

**3. PLANS AND ELEVATIONS**

You must submit 2 copies of plans and elevations in a format no larger than 11" x 17". Plans on 8 1/2" x 11" paper are preferred.

- Schematic construction plans, with marked dimensions, indicating location, size and general type of walls, window and door openings, and other fixed features of both the existing resource(s) and the proposed work.
- Elevations (facades), with marked dimensions, clearly indicating proposed work in relation to existing construction and, when appropriate, context. All materials and fixtures proposed for the exterior must be noted on the elevations drawings. An existing and a proposed elevation drawing of each facade effected by the proposed work is required.

**4. MATERIALS SPECIFICATIONS**

General description of materials and manufactured items proposed for incorporation in the work of the project. This information may be included on your design drawings.

**5. PHOTOGRAPHS**

- Clearly labeled photographic prints of each facade of existing resource, including details of the effected portions. All labels should be placed on the front of photographs.
- Clearly label photographic prints of the resource as viewed from the public right-of-way and of the adjoining properties. All labels should be placed on the front of photographs.

**6. TREE SURVEY**

If you are proposing construction adjacent to or within the dripline of any tree 6" or larger in diameter (at approximately 4 feet above the ground), you must file an accurate tree survey identifying the size, location, and species of each tree of at least that dimension.

**7. ADDRESSES OF ADJACENT AND CONFRONTING PROPERTY OWNERS**

For ALL projects, provide an accurate list of adjacent and confronting property owners (not tenants), including names, addresses, and zip codes. This list should include the owners of all lots or parcels which adjoin the parcel in question, as well as the owner(s) of lot(s) or parcel(s) which lie directly across the street/highway from the parcel in question. You can obtain this information from the Department of Assessments and Taxation, 51 Monroe Street, Rockville, (301/279-1355).

PLEASE PRINT (IN BLUE OR BLACK INK) OR TYPE THIS INFORMATION ON THE FOLLOWING PAGE.  
PLEASE STAY WITHIN THE GUIDES OF THE TEMPLATE, AS THIS WILL BE PHOTOCOPIED DIRECTLY ONTO MAILING LABELS.

PH

# Clean Currents

SOLAR  
Estimate for Installation

**Customer:**

Name	Fred Teal Jr.	Customer Phone #:
Address	9 North Street	(301) 928-2778
City	Brookeville	
State	MD	
Zip	20833	

**Prepared By:**

0

**Date Prepared**

4/19/2010

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**Exclusions:**

Estimate only at this time, based upon initial review of space and system capabilities. Additional 3rd party review for structural and electrical may be required. Pricing assumes site is ready for installation.

**System Size:**

<b>8.064 Kw SHARP Photovoltaic Electric System</b>		
Number	Rating	
36	224	Sharp
2		TBA
11,125 KWh/Yr		Estimated Production

**Included Items:**

Included	25 year factory warranty on panels
Included	10 yr Factory Warranty on Inverter
Included	Mounting of Array
Included	Labor Installation
Included	Engineering
Included	Hardware and Equipment
Included	Wiring
Included	AC Electrical hook-up
Included	Permits

**Purchase Price:**

**\$ 53,626**  
(Customer may be responsible for additional costs as set forth in the Terms and Conditions)

<b>Included</b>	5 years
	Limited Warranty (set forth in Terms and Conditions)
	3 DPW Pole Mounts
	Micro Inverters      Clean Currents Customer Discount

**Payment Plan:**

*Upon signing this Agreement, Customer hereby agrees to the above Purchase Price.*

**30% Deposit of the Total Amount Due is required upon signing of contract. 60% of Total Amount Due is due upon delivery of panels at site and before installation can take place. Remaining 10% of Total Amount Due is due within 10 days after completion of installation.**

Deposit	If required, part of initial payment	\$1,000
Initial Payment	due on signing contract	\$15,088
Financing	taken from balance (provided by funder)	\$0
Second Payment	due upon panel delivery and before installation begins	\$32,175
Third Payment	within 10 days after completion of installation	\$5,363

**Signature of Purchaser:**  
(Name and Title Below)

By: \_\_\_\_\_

**Signature of Clean Currents Solar of the Mid-Atlantic, LLC**

**Date of offer**      4/20/2010  
**Offer Expires**    5/21/2010

By: \_\_\_\_\_  
Lee Keshishian, Managing Member

Documents are for viewing only of Customer listed. Information and documents are property of CCS MA and not to be shared with any other party.

Proposal for:

Fred Teal Jr.



		Input Variables			
Purchase Price	\$ 53,626	Fed Tax Rate*	31.0%	System Installed Cost/Watt	\$ 6.65
Rebate*	\$ 7,016	Electric Rate (\$/kWh)	\$ 0.159	System Size in kW	8.064
Cost After Rebate(s)	\$ 46,610	Electricity Real Inflation	4%	IRR% (after tax)	11.23%
Output (kWh/Year)	11,125			IRR% (estimated pre-tax)	17.28%

Year	Initial Outlay	Investment Tax Credit 30%	Annual					Annual Cash Inflow (Outflow)	Total Cumulative Cash Inflow (Outflow)
			Depreciation	Depreciation Tax Benefit 35%	REC Payments 80%	Electricity Savings	Tax Expense 31%		
0	\$ (53,626)	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ (53,626)	(53,626)
1	\$ 7,016	\$ 16,088	\$ -	\$ -	\$ 3,560	\$ 1,669	\$ (3,275)	\$ 25,054	(28,572)
2	\$ 5,000	\$ -	\$ -	\$ -	\$ 3,560	\$ 1,727	\$ (1,304)	\$ 9,184	(19,388)
3	\$ -	\$ -	\$ -	\$ -	\$ 3,115	\$ 1,788	\$ (966)	\$ 3,937	(15,451)
4	\$ -	\$ -	\$ -	\$ -	\$ 3,115	\$ 1,850	\$ (966)	\$ 4,000	(11,451)
5	\$ -	\$ -	\$ -	\$ -	\$ 2,670	\$ 1,915	\$ (828)	\$ 3,757	(7,694)
6	\$ -	\$ -	\$ -	\$ -	\$ 2,670	\$ 1,982	\$ (828)	\$ 3,824	(3,869)
7	\$ -	\$ -	\$ -	\$ -	\$ 2,225	\$ 2,051	\$ (890)	\$ 3,587	(283)
8	\$ -	\$ -	\$ -	\$ -	\$ 2,225	\$ 2,123	\$ (890)	\$ 3,658	3,376
9	\$ -	\$ -	\$ -	\$ -	\$ 1,780	\$ 2,197	\$ (552)	\$ 3,426	6,801
10	\$ -	\$ -	\$ -	\$ -	\$ 1,780	\$ 2,274	\$ (552)	\$ 3,503	10,304
11	\$ -	\$ -	\$ -	\$ -	\$ 1,335	\$ 2,354	\$ (414)	\$ 3,275	13,579
12	\$ -	\$ -	\$ -	\$ -	\$ 1,335	\$ 2,436	\$ (414)	\$ 3,358	16,937
13	\$ -	\$ -	\$ -	\$ -	\$ 890	\$ 2,522	\$ (276)	\$ 3,136	20,073
14	\$ -	\$ -	\$ -	\$ -	\$ 890	\$ 2,610	\$ (276)	\$ 3,224	23,297
15	\$ -	\$ -	\$ -	\$ -	\$ 445	\$ 2,701	\$ (138)	\$ 3,008	26,305
16	\$ -	\$ -	\$ -	\$ -	\$ 445	\$ 2,796	\$ (138)	\$ 3,103	29,408
17	\$ -	\$ -	\$ -	\$ -	\$ 445	\$ 2,894	\$ (138)	\$ 3,201	32,609
18	\$ -	\$ -	\$ -	\$ -	\$ 445	\$ 2,995	\$ (138)	\$ 3,302	35,911
19	\$ -	\$ -	\$ -	\$ -	\$ 445	\$ 3,100	\$ (138)	\$ 3,407	39,318
20	\$ -	\$ -	\$ -	\$ -	\$ 445	\$ 3,208	\$ (138)	\$ 3,515	42,833
21	\$ -	\$ -	\$ -	\$ -	\$ 445	\$ 3,321	\$ (138)	\$ 3,628	46,461
22	\$ -	\$ -	\$ -	\$ -	\$ 445	\$ 3,437	\$ (138)	\$ 3,744	50,204
23	\$ -	\$ -	\$ -	\$ -	\$ 445	\$ 3,557	\$ (138)	\$ 3,864	54,069
24	\$ -	\$ -	\$ -	\$ -	\$ 445	\$ 3,682	\$ (138)	\$ 3,989	58,057
25	\$ -	\$ -	\$ -	\$ -	\$ 445	\$ 3,810	\$ (138)	\$ 4,117	62,175
	\$ (41,610)	\$ 16,088	\$ -	\$ -	\$ 36,046	\$ 65,200	\$ (13,389)	\$ 62,175	

Note: Above chart is for assumption purposes only. CCS MA is not qualified to offer tax advice, and Customer is encouraged and advised to consult its own accountant or tax expert. CCS MA makes no representation, warranty, or guarantee with respect to pricing or purchasing of RECs. CCS MA may suggest third-party groups able to assist in REC sale.

\* Rebates, grants and tax credits are assumptions, subject to change. Changes are out of control of CCS MA. CCS MA is not responsible for inaccurate rebate, grant, or tax credit amounts; Customer is advised to independently verify such amounts before agreeing to installation.

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### Solar Power Estimator\*

Customer Fred Teal Jr.  
 Date 4/19/2010

#### Solar Array specifics

Size	<u>8.064 KW</u>
Array Magnetic Azimuth	<u>191 degrees</u>
True North Correction	<u>11 degrees</u>
True North Azimuth	<u>180 degrees</u>
Differential from 180	<u>0 degrees</u>
Slope/Tilt Angle Adjuster	<u>1</u>
Sun hours per day in Maryland/DC market (4.6 hours)	<u>4.60 hrs</u>
Sun hours with Azimuth Correction	<u>4.60</u>
AC to DC Conversion (equipment)	<u>83%</u>
Shading (sun eye reading)	<u>99%</u>
Derating Factor	<u>82%</u>
Sun Hours per day less Conversion	<u>3.78</u>

#### PV System energy

Array Power x DC to AC Conversion x (sun hours at tilt per day with Azimuth correction)	<u>30.48 Kwh/day</u>
Annual Solar Production	<u>11,125 Kwh/yr</u>

### Environmental Benefits Estimator\*

KWh produced	Environmental Impact of 1 MWh from Standard Brown Power	Offsetting Carbon Dioxide Equivalents
11,125	1340 Lbs of CO2 2.8 Lbs of NO 9 Lbs of SO2	14.7 Lbs per year = benefit of one tree 15,004 Lbs per year = taking one car off road (15,000 miles at 22MPG)
Total KWh used 15,000		
% Offset	Solar Installation Offsets Per Year	Solar Installation Offset Per Year
74%	14,968 Lbs of CO2	1,014 Benefit from planting this many trees
Convert to MW 11.13	21 Lbs of NO 100 Lbs of SO2	1.0 Taking this many cars off road 0.9 Equals energy use of this many houses

Notes: \*Information provided are assumptions only, actual results may vary.  
 Environmental benefits tied to REC generation.



155 Gibbs Road, Suite 425  
 Rockville, MD 20850  
 301-754-0430 301-279-2112 fax

7

**HAWP APPLICATION: MAILING ADDRESSES FOR NOTIFYING**  
[Owner, Owner's Agent, Adjacent and Confronting Property Owners]

**Owner's mailing address**

9 North Street  
Brookeville, MD 20833

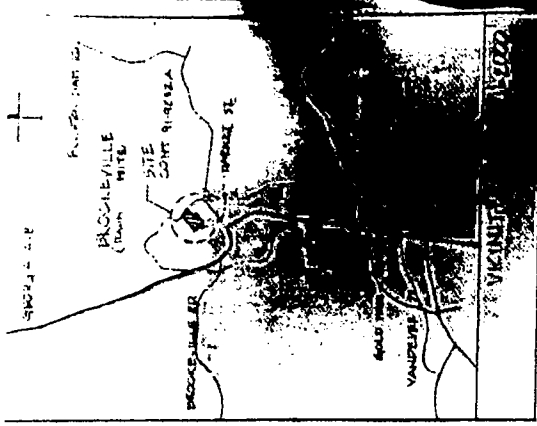
**Owner's Agent's mailing address**

Clean Currents Sdar of The Mid-Atlantic  
155 Gibbs Street, Suite 425  
Rockville, MD 20850

**Adjacent and confronting Property Owners mailing addresses**

Katherine Farquhar  
1 North St.  
Brookeville, MD 20833

Richard Chandler  
13 North Street  
Brookeville, MD 20833



OWNER:  
 FRED TELFER  
 1550 BELLEFLOURE ROAD  
 GREENSBORO, MD. 20770  
 PH. (301) 474-2421

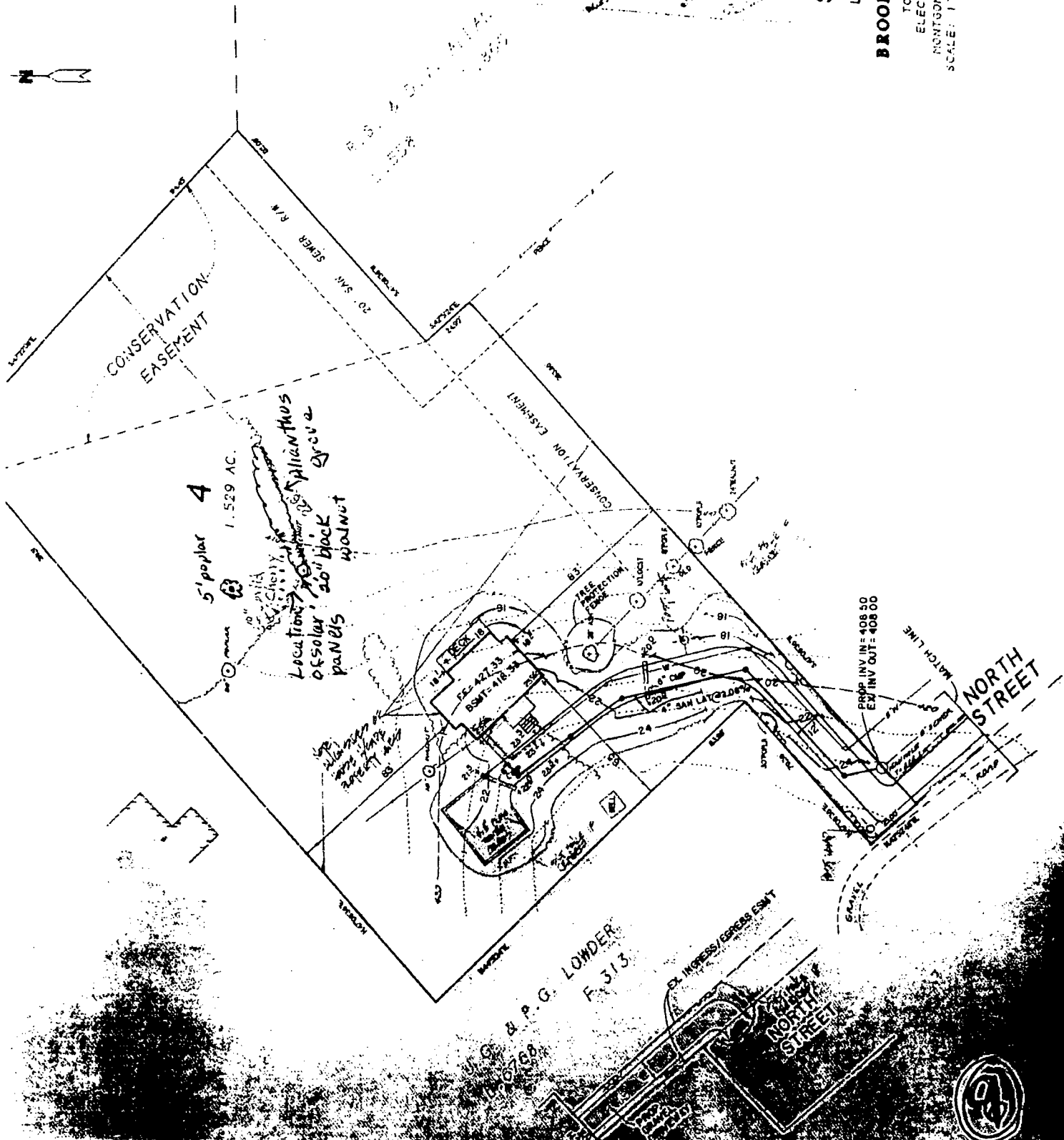
APPROVED  
 Montgomery County  
 Historic Preservation Commission

**SITE PLAN**

LOT 4 - BLOCK A

**BROOKEVILLE MANOR**

TOWN OF BROOKEVILLE  
 ELECTION DISTRICT NO. 8  
 MONTGOMERY COUNTY, MARYLAND  
 SCALE: 1" = 30'  
 MAY 1994



G. & P. G. LOWDER  
 F-313





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Existing Property Condition Photographs (duplicate as needed)



Detail: More distant view of area



Detail: Close view of area

Applicant: Fred J Sealf

Existing Property Condition Photographs (duplicate as needed)



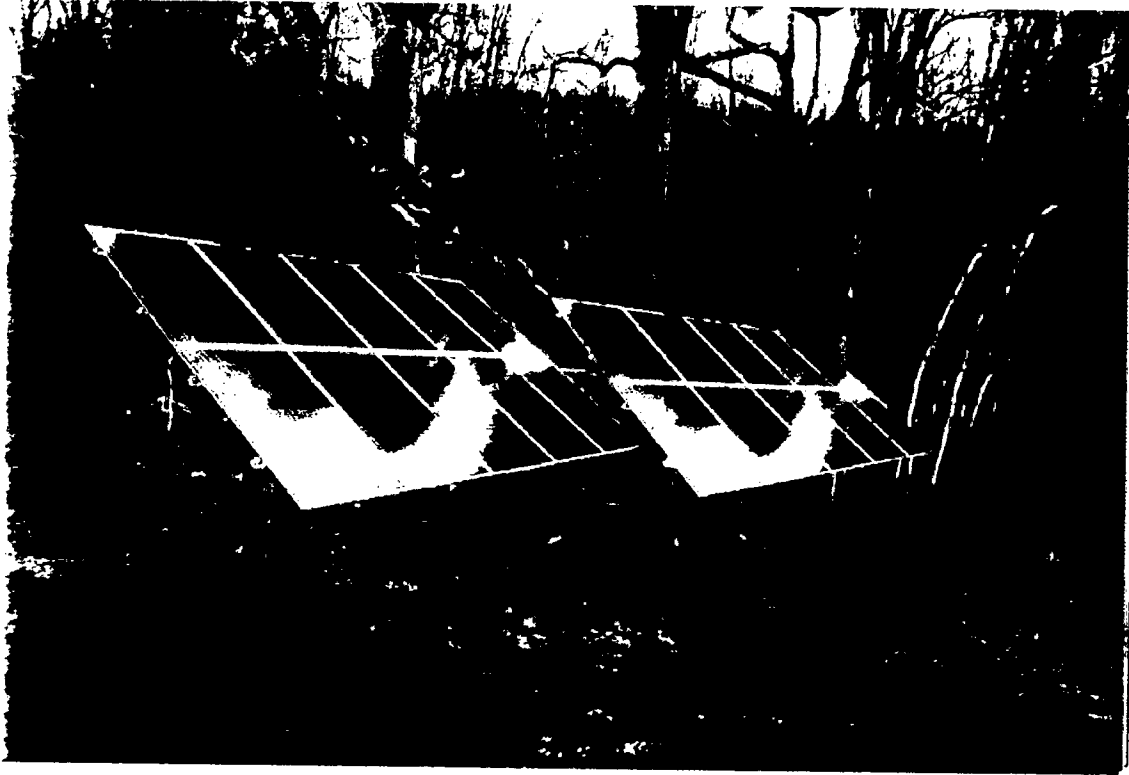
Detail: Downhill view of Hilarthus grove - black walnut in L. foreground



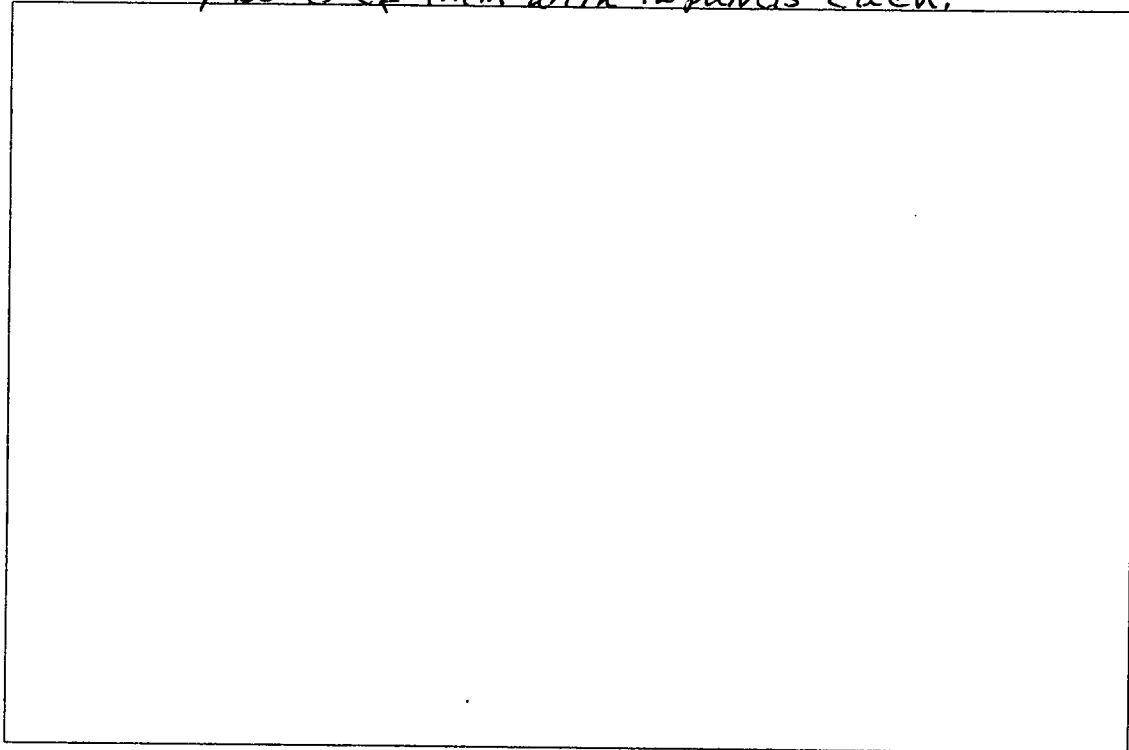
Detail: Close view of diseased tulip poplar - broken branch hanging

Applicant: Fred J Leaf

Existing Property Condition Photographs (duplicate as needed)



Detail: Conceptual view showing how panels might appear  
There may be 3 of them with 12 panels each.



Detail: \_\_\_\_\_

Applicant: Fred J Seef

Existing Property Condition Photographs (duplicate as needed)



Detail: Downhill view of Ailanthus grove - black walnut in L. foreground



Detail: Close view of diseased tulip poplar - broken branch hanging



RETURN TO: DEPARTMENT OF PERMITTING SERVICES  
255 ROCKVILLE PIKE 2ND FLOOR ROCKVILLE MD 20850  
(301) 771-1271

DPS - #8

J

**HISTORIC PRESERVATION COMMISSION**  
**301/563-3400**

**APPLICATION FOR**  
**HISTORIC AREA WORK PERMIT**

Contact Person: Fred T. Teal, Jr

Daytime Phone No.: 301 928-2778

Tax Account No.: 02941741

Name of Property Owner: Fred T Teal, Jr/Teresa Meeks Daytime Phone No.: 301 774-8151

Address: 9 North Street Brookeville MD 20833-2508  
Street Number City Street Zip Code

Contractor: Clean Currents Solar of the Mid-Atlantic LLC Phone No.: 301 754-0430

Contractor Registration No.: 100065

Agent for Owner: Katherine Kesselring Daytime Phone No.: 301 754-0430 ex 708

**LOCATION OF BUILDING/PREMISE**

House Number: 9 Street: North Street

Town/City: Brookeville Nearest Cross Street: Market Street

Lot: 4 Block: A Subdivision: Brookeville Manor

Liber: 10102 Folio: 848 Parcel: \_\_\_\_\_

**PART ONE: TYPE OF PERMIT ACTION AND USE**

**1A. CHECK ALL APPLICABLE:**

- Construct
- Extend
- Alter/Renovate
- Move
- Install
- Wreck/Raze
- Revision
- Repair
- Revocable

**CHECK ALL APPLICABLE:**

- AC
- Slab
- Room Addition
- Porch
- Deck
- Shed
- Solar
- Fireplace
- Woodburning Stove
- Single Family
- Fence/Wall (complete Section 4)
- Other: \_\_\_\_\_

1B. Construction cost estimate: \$ ~~35,000~~ 45,000

1C. If this is a revision of a previously approved active permit, see Permit # \_\_\_\_\_

**PART TWO: COMPLETE FOR NEW CONSTRUCTION AND EXTEND/ADDITIONS**

2A. Type of sewage disposal: 01  WSSC 02  Septic 03  Other: \_\_\_\_\_

2B. Type of water supply: 01  WSSC 02  Well 03  Other: \_\_\_\_\_

**PART THREE: COMPLETE ONLY FOR FENCE/RETAINING WALL**

3A. Height \_\_\_\_\_ feet \_\_\_\_\_ inches

3B. Indicate whether the fence or retaining wall is to be constructed on one of the following locations:

- On party line/property line
- Entirely on land of owner
- On public right of way/easement

I hereby certify that I have the authority to make the foregoing application, that the application is correct, and that the construction will comply with plans approved by all agencies listed and I hereby acknowledge and accept this to be a condition for the issuance of this permit.

Fred T Teal Jr  
Signature of owner or authorized agent

March 29, 2010  
Date

Approved: \_\_\_\_\_ For Chairperson, Historic Preservation Commission

Disapproved: \_\_\_\_\_ Signature: \_\_\_\_\_ Date: \_\_\_\_\_

Application/Permit No.: 534501 Date Filed: 4/6/2010 Date Issued: \_\_\_\_\_

Existing Property Condition Photographs (duplicate as needed)



Detail: More distant view of area



Detail: Close view of area

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Applicant: Fred J Leaf



## HISTORIC PRESERVATION COMMISSION

Isiah Leggett  
County Executive

David Rotenstein  
Chairperson

April 26, 2010

Fred Teal  
9 North Street  
Brookeville, Maryland 20833

Re: Removal of 52" Tulip & 19.5" Black Walnut & Ailanthus gove tree(s) in the Brookeville Historic District

Dear Fred Teal,

I have received your arborist's report dated 4/12/2010 regarding the above-referenced tree(s), which documents the assessment that this tree(s) is dead/dying or a hazard and in severe decline.

Therefore, due to the health and hazard of the subject tree(s), the Historic Preservation Commission authorizes the removal of the tree.

This letter serves as your permission to remove the tree(s) without further review by the HPC. If you have any additional questions, please do not hesitate to contact me at 301-563-3400.

Sincerely,

Kevin Manarolla,  
Senior Administrative Specialist  
Historic Preservation Section, M-NCPPC

