HISTORIC PRESERVATION COMMISSION

Isiah Leggett
County Executive

William Kirwan
Chairman

Date: August 17, 2018

MEMORANDUM

TO: Diane Schwartz Jones
Department of Permitting Services

FROM: Michael Kyne MK
Historic Preservation Section
Maryland-National Capital Park & Planning Commission

SUBJECT: Historic Area Work Permit #840796: New construction of an accessory structure, installation of new sign

---

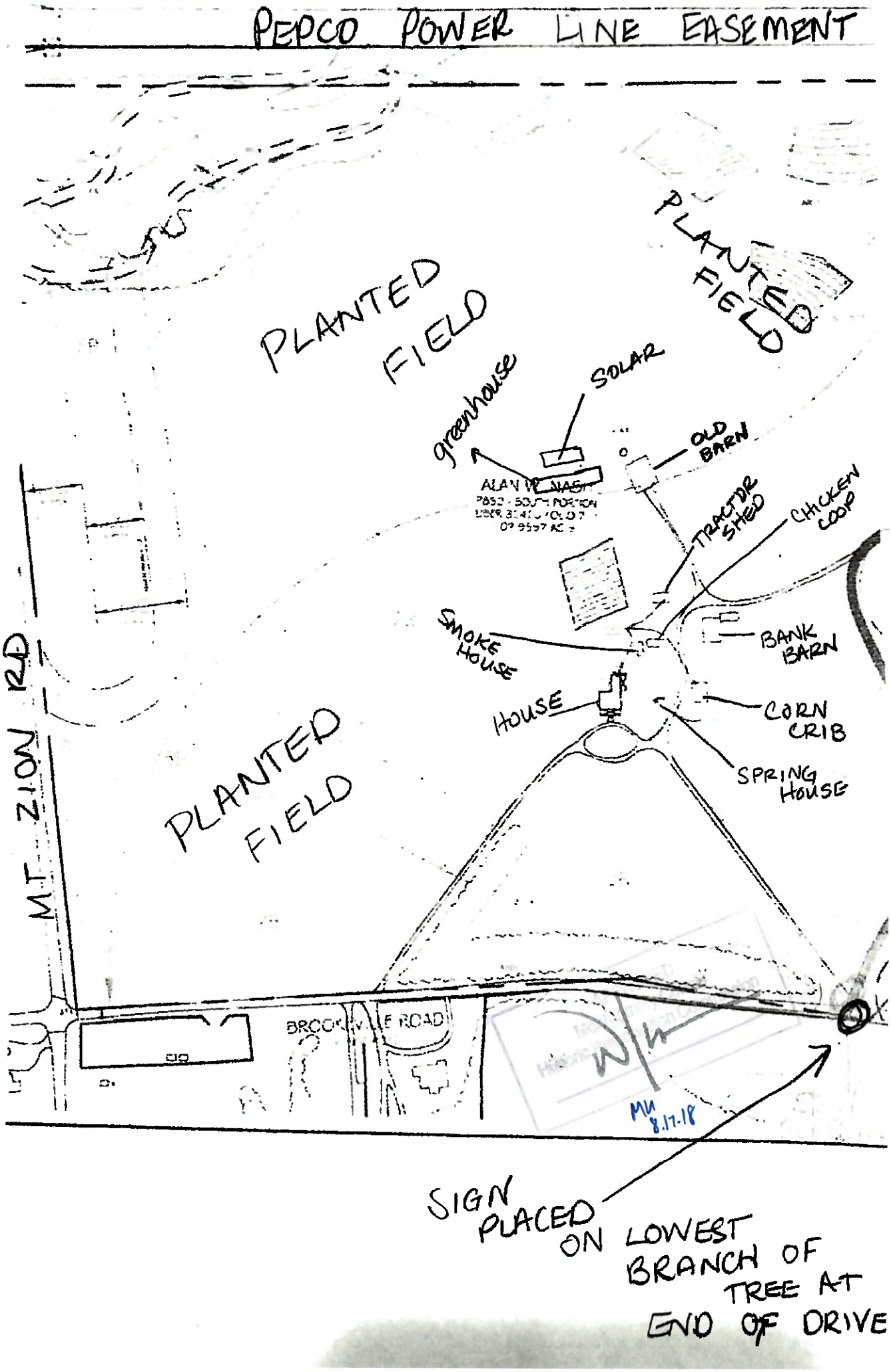
The Montgomery County Historic Preservation Commission (HPC) has reviewed the attached application for a Historic Area Work Permit (HAWP). This application was **Approved** at the July 25, 2018 Historic Preservation Commission (HPC) meeting.

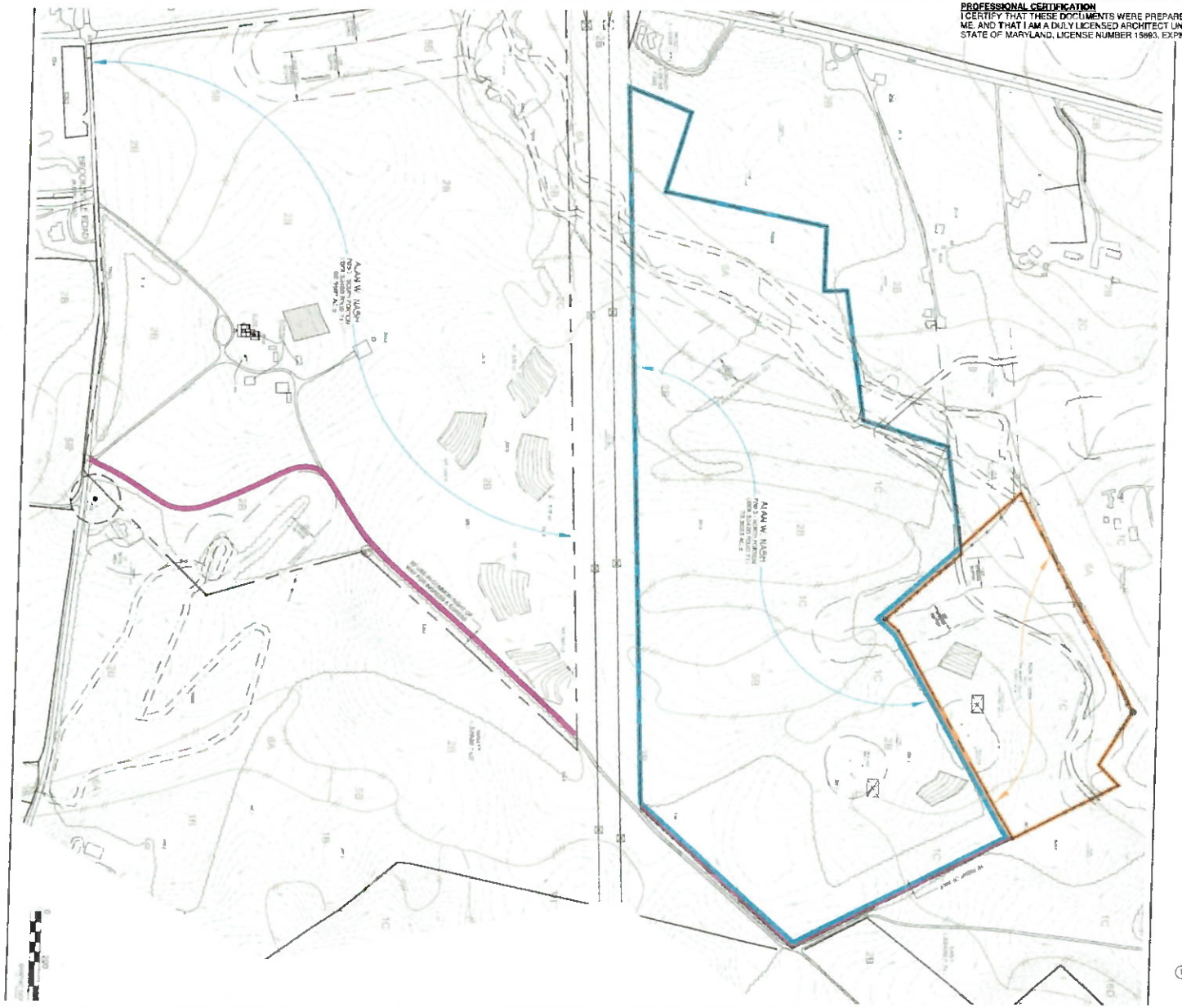
The HPC staff has reviewed and stamped the attached construction drawings.

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: Amy and Angelo Falcone
Address: 4901 Brookeville Rd., 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 work is complete the applicant will contact Michael Kyne at 301.563.3403 or michael.kyne@montgomeryplanning.org to schedule a follow-up site visit.


PEPCO POWER LINE EASEMENT
PLANTED FIELD
PLANTED FIELD
PLANTED FIELD
greenhouse
SOLAR
OLD BARN
TRACTOR SHED
CHICKEN COOP
SMOKE HOUSE
BANK BARN
HOUSE
CORN CRIB
SPRING HOUSE
MT. ZION RD
BROOKVILLE ROAD
MH 8.17.18
SIGN PLACED ON LOWEST BRANCH OF TREE AT END OF DRIVE



PROFESSIONAL CERTIFICATION
I CERTIFY THAT THESE DOCUMENTS WERE PREPARED OR APPROVED BY ME, AND THAT I AM A DULY LICENSED ARCHITECT UNDER THE LAWS OF THE STATE OF MARYLAND, LICENSE NUMBER 15993, EXPIRATION DATE 2-27-2019

1 Site
1" = 200'-0"

Allen & DeLalio *Architects*
Residential & Commercial Design
Olney, Maryland
240-671-9849
nancydelalio@gmail.com

Consultant
Address
Address
Phone
Fax
e-mail

Consultant
Address
Address
Phone
Fax
e-mail

Consultant
Address
Address
Phone
Fax
e-mail

Consultant
Address
Address
Phone
Fax
e-mail

EXISTING CONDITIONS

No.	Description	Date

BELLA VITA FARM
4901 BROOKEVILLE ROAD
BROOKEVILLE MARYLAND

SITE PLAN

Project number	Project Number
Date	07.10.18
Drawn by	NLD
Checked by	NLD

A102

Scale 1" = 200'-0"

8

10/9/2018 9:27:37 PM

THE INSTALLATION OF SOLAR ARRAYS AND PHOTOVOLTAIC POWER SYSTEMS SHALL BE IN ACCORDANCE WITH THE MOST RECENT NATIONAL ELCTRIC AND BUILDING CODES AND STANDARDS, AS AMENDED BY LOCAL JURISDICTION.

System Summary

Option 1:
108 – 310W Solar Modules
SolarEdge Storeedge Inverter System
w/ LGChem Backup Battery
33.48kW DC System Size

Option 2:
18 – 310W Solar Modules
SolarEdge Storeedge Inverter System
w/ LGChem Backup Battery
5.58kW DC System Size

Array Details:

Tilt: 25 Degrees
Azimuth: 180 Degrees

PROFESSIONAL CERTIFICATION:
I hearby certify that these documents were prepared or approved by me, and that I am a duly licensed professional engineer under the laws of the State of Maryland.
License No. 50235, Expiration Date: 12-08-2018

SHEET NO.	SHEET TITLE
PV1.0	COVER AND SITE PLAN
PV2.0	STRUCTURAL
PV3.0	ELECTRICAL DETAIL
PV4.0	CALCULATION
PV5.0	LABELS

21st Century Power Solutions
418 Oella Ave
Catonsville, MD 21228
410.418.5650
www.21cps.com

Date:	7/10/2018
Designed By:	Robert Reichel
Designer Contact:	410.418.5650
Revision:	0
Jurisdiction:	Montgomery County

Cover and Site Plan

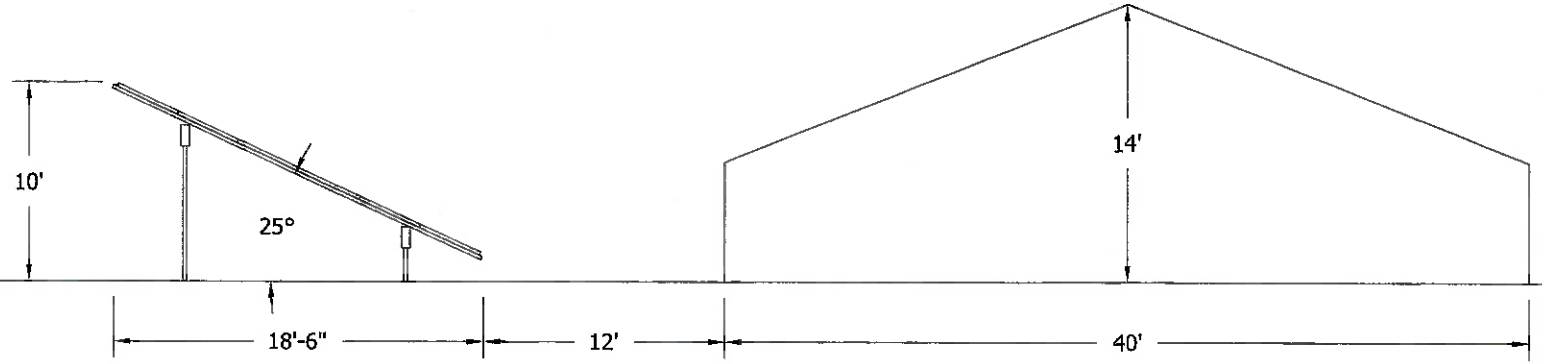
Bella Vita Farm
4901 Brookeville RD
Brookeville, MD 20833

21ST CENTURY SOLAR SOLUTIONS

PV 1.0

SOLAR ARRAY MAXIMUM HEIGHT 10'

GREENHOUSE



PROFESSIONAL CERTIFICATION:
I hearby certify that these documents were prepared or approved by me, and that I am a duly licensed professional engineer under the laws of the State of Maryland.
License No. 50235, Experation Date: 12-08-2018

21st Century Power Solutions
418 Oella Ave
Catonsville, MD 21228
410.418.5650
www.21cps.com

Date:	7/10/2018
Designed By:	Robert Reichel
Designer Contact:	410.418.5650
Revision:	0
Jurisdiction:	Montgomery County

SECTION VIEW

Bella Vita Farm
4901 Brookeville RD
Brookeville, MD 20833

21ST CENTURY SOLAR SOLUTIONS

PV 2.0

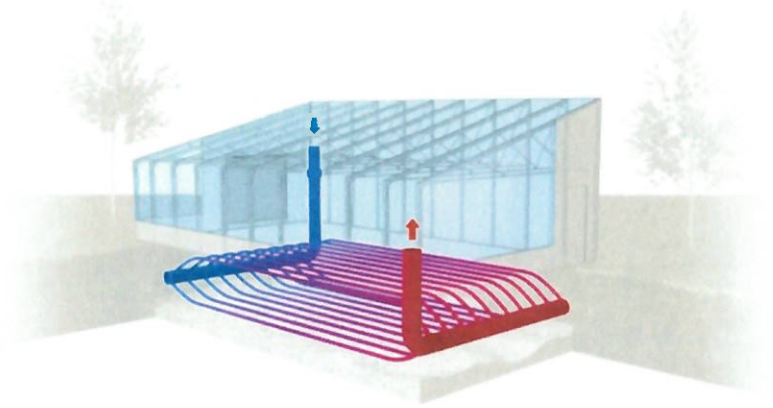
DESIGN ELEMENTS FOR THE BELLA VITA ENERGY EFFICIENT GREENHOUSE

Dimensions of the Excavation for the 4000 square foot greenhouse

The excavation will be rectangular and will be as close as possible in size to the 40 ft X 100 ft horizontal (on ground) profile for the greenhouse. The excavation pit depth will be approximately 9 feet in depth. There will be an additional 12-inch-wide excavation along the perimeter to a depth of about 3 feet, for the foundation footings, for the framing of the greenhouse.

The image below shows a depiction of the look of the excavation pit for the geothermal system, before thermal mass is added. The thermal mass serves an insulative and heat transfer purpose, as well as providing a stable underlayment for the slab of the greenhouse. The thermal mass will consist of rocks and asphalt millings. Both of these materials are sustainable and eco-friendly options.

The image below shows a depiction of the way the geothermal system below the greenhouse will interact with the air in the greenhouse. The berm will be on the back side (north) where this image shows a wall.



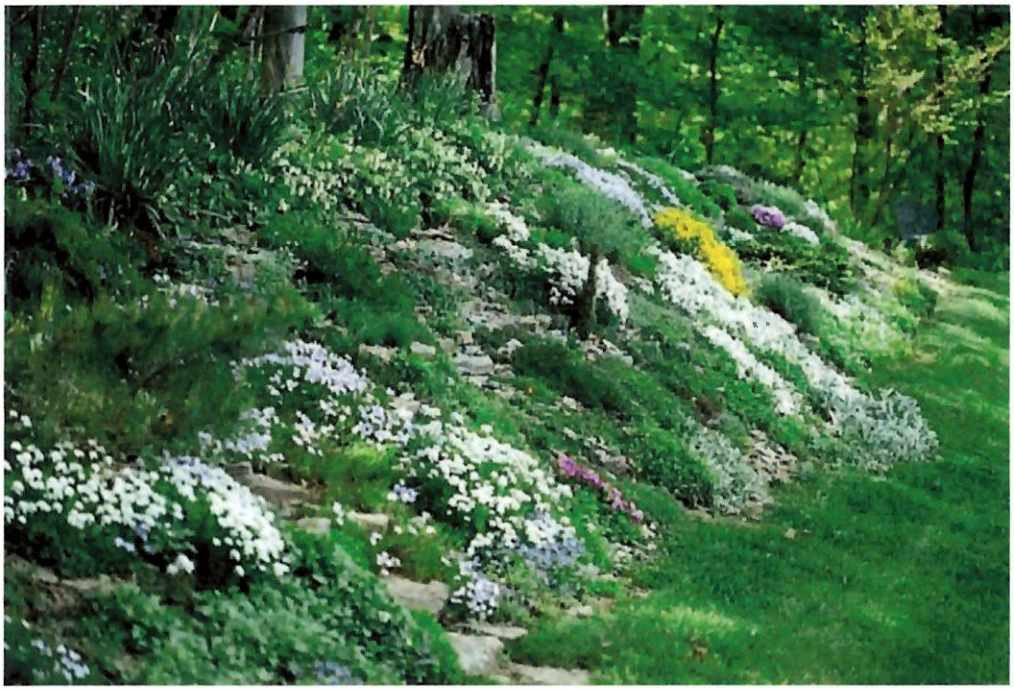
Description and Dimensions of the Berm to be Constructed on the North Side of the Greenhouse Building

The berm will be constructed primarily from the soil that is excavated for the pit that will be located under the footprint of the greenhouse. It will be approximately 10 feet high as it borders the north wall of the greenhouse. It will then ascend to the north from the greenhouse at a slope of approximately 1/4 feet and an angle of about 74 degrees. This slope will make the berm extend north from the greenhouse approximately 28 feet. The berm will cover the entire north wall of the greenhouse will be approximately 100 feet in length. It will then tastefully slope down to the base level of the greenhouse, on the east and west corners, in a manner similar to what you see in the image below.

The image below is an example of a greenhouse built with a berm on its north wall and slopes down at an angle on its east and west edges (you only see the east edge here). This is similar to what we will be doing with the west side of the berm for the Bella Vita Greenhouse. Due to the doors on the east side, the slope will not extend as far southward as in this picture, only eastward. Finally, our berm will be landscaped unlike this picture.

Similar to the greenhouse above, the peak height for the Bella Vita Greenhouse will not be immediately bordering the bermed north wall, but will be about 8-10 feet southward from the north wall, as seen in the image below (this greenhouse is missing the berm that will go to the rear - north).

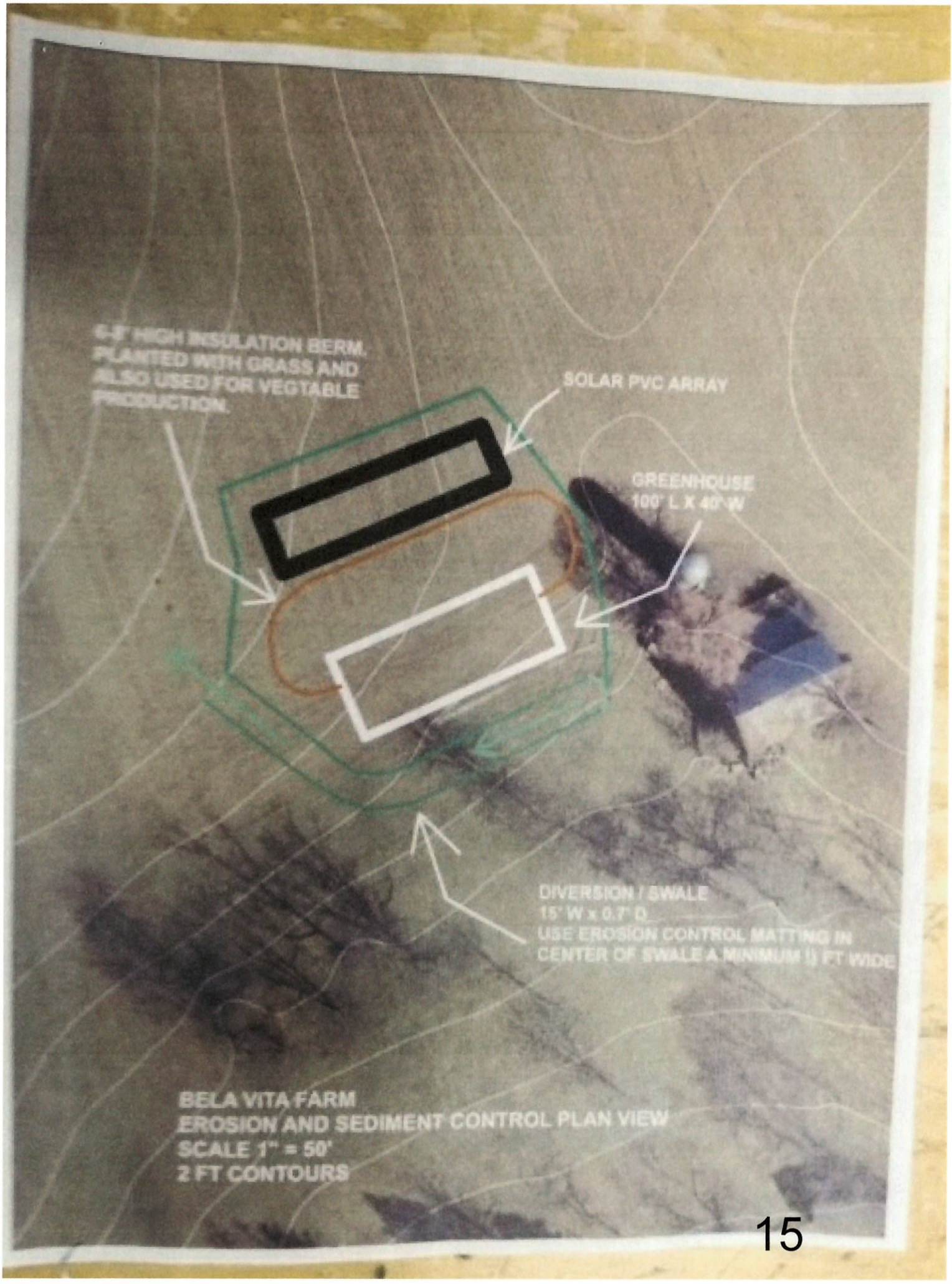
As seen in the following image, the berm will be planted primarily with native plants and will be maintained through aesthetically attractive grooming. It is likely that we will also plant perennial shrubs and/or add herb and root vegetable beds.

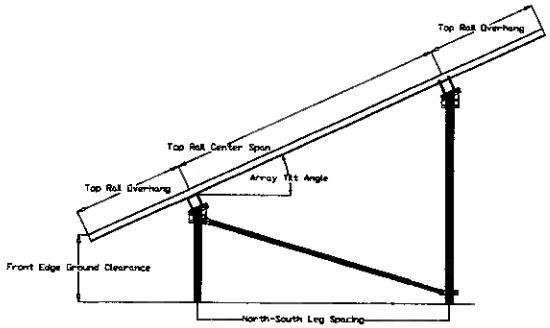


Stormwater Management for the Greenhouse

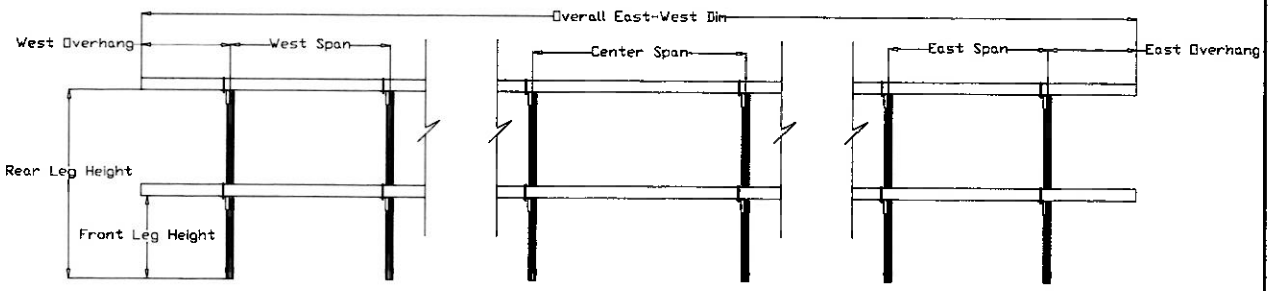
Stormwater coming off the roof of the greenhouse to the south will be collected in gutters and recycled back into the greenhouse to either be used as water for our growing systems or for mass storage to improve energy efficiency. Water hitting the glazing of the greenhouse on the north will be collected in a gutter on the surface of the berm and will be distributed evenly across the berm to be absorbed into the soil.

The grading plan for the greenhouse will slope the land away from it on the east, west and south sides so that stormwater runoff will be directed to be absorbed into vegetated areas surrounding the Greenhouse and to ditches alongside paths and the roadway into the Greenhouse. There will not be a need for a separate retention pond for the Greenhouse, and great efforts will be made to make very efficient use of the stormwater in the surrounding area through the grading plan.

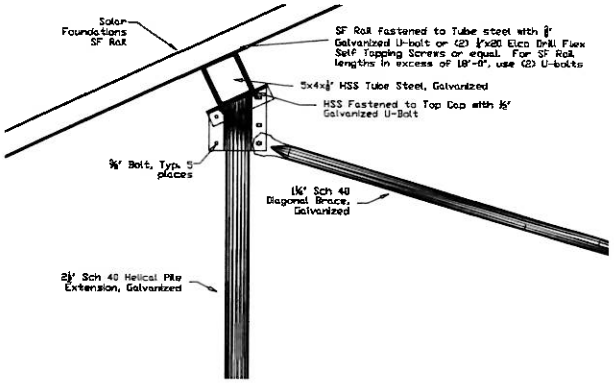

6-8' HIGH INSULATION BERM,
PLANTED WITH GRASS AND
ALSO USED FOR VEGTABLE
PRODUCTION.
SOLAR PVC ARRAY
GREENHOUSE
100' L X 40' W
DIVERSION / SWALE
15' W x 0.7' D
USE EROSION CONTROL MATTING IN
CENTER OF SWALE A MINIMUM 1) FT WIDE
BELA VITA FARM
EROSION AND SEDIMENT CONTROL PLAN VIEW
SCALE 1" = 50'
2 FT CONTOURS



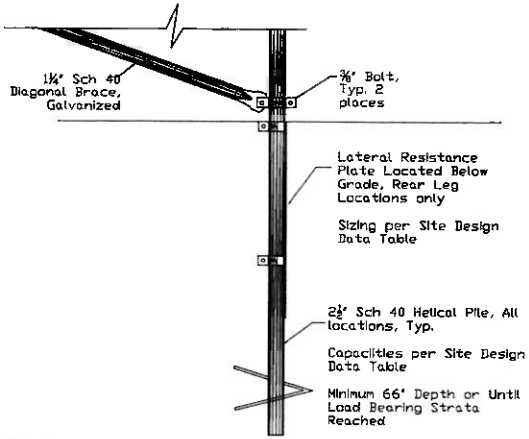
SIDE ELEVATION DETAIL NOT TO SCALE



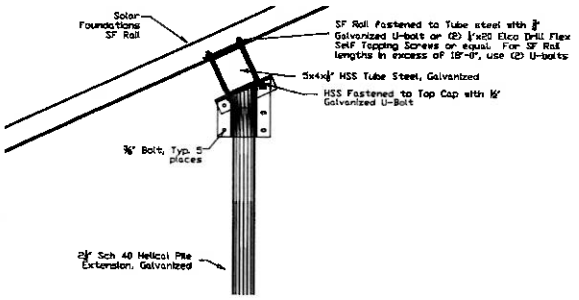
POST SPACING ELEVATION DETAIL NOT TO SCALE



LOWER CAP DETAIL NOT TO SCALE



HELICAL PILE AND LATERAL RESISTANCE PLATE DETAIL NOT TO SCALE



UPPER CAP DETAIL NOT TO SCALE

Sheet 2 of 3

Date	Revision	Drawn By	Review By
02/12/2015	Original		MZ

21 Century Power Solutions

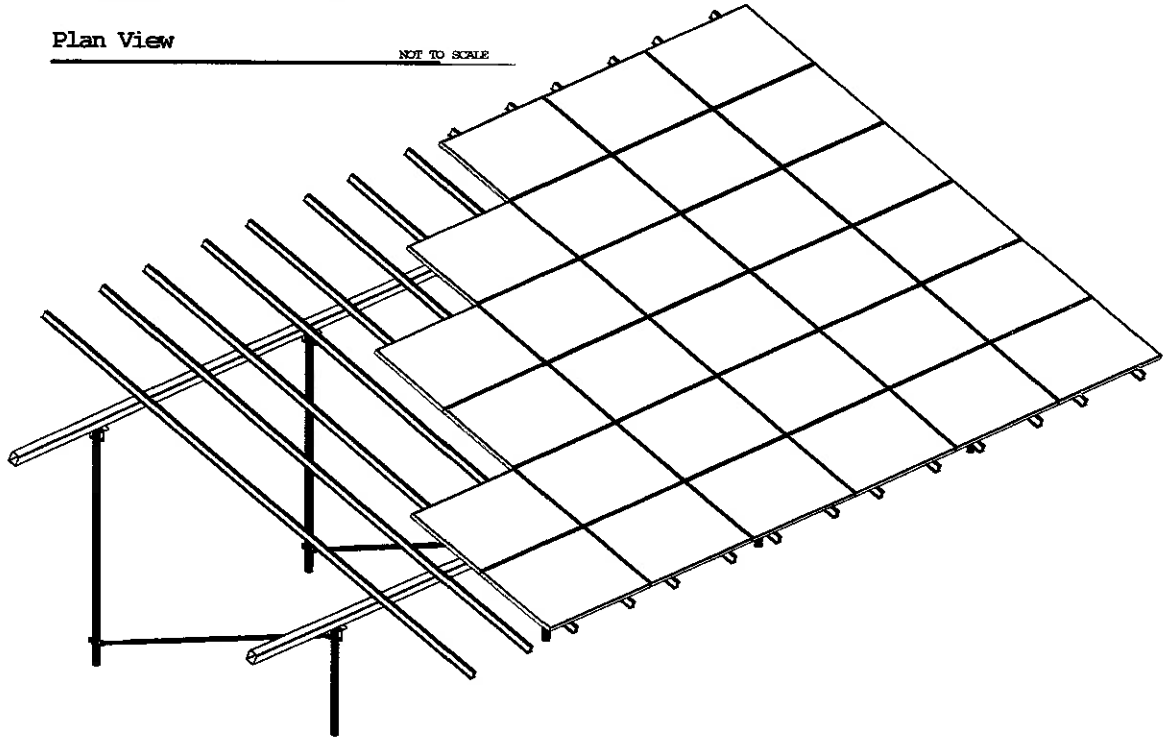
Project:
Adashek Residence
3211 Woodvalley Drive
Pikesville, MD 21208

Solar Foundations USA

6103 Winterhaven Drive Newark, DE 19702 Ph. (855) 738-7200 Fax (866) 644-5665

Plan View

NOT TO SCALE



Site Design Conditions

Basic Wind Speed:	90 MPH	Max. Leg Axial Bearing:	3,990 lbs.
Ground Snow Load:	30 PSF	Max. Leg Uplift:	2,185 lbs.
Exposure Category:	C	Max. Lateral Resistance:	1,365 lbs.
Site Contour:	<1:100'	Top Rail Max. Loading:	103.1 plf
Helical Pile Depth:	54" Min	Lateral Resistance Plate Size:	Not Req'd

Net design pressures were calculated in accordance with ASCE 7-05 section 6.5.13, "Design Wind Loads on Open Buildings with Monoslope, Pitched, or Troughed Roofs". All load cases were evaluated in determining the limiting design conditions. The data table above provides the results for the limiting load case. Maximum leg reaction forces represent the highest load condition seen by any leg in the structure. All legs in the structure are designed to meet the maximum load conditions.

6Lx8C Sub-Array Design Conditions

Front Leg Height:	23⅜"	Array Tilt Angle:	20 Degrees
Rear Leg Height:	69⅛"	Overall Array East-West Dim:	43'-4"
North-South Leg Spacing:	126"	Number of Modules/Sub-Array:	48
West Span Leg Spacing:	11'-3"	Number of Sub-Arrays:	1
East Span Leg Spacing:	11'-3"	Module Columns/Sub-Array:	8
Quantity Center Spans:	1	Number of Module Rows:	6
Center Span Leg Spacing:	11'-3"	Module Orientation:	Landscape
East & West Overhang:	4'-3"	Module Column Spacing	¼"
Overall Beam Length:	42'-3"	Module Row Spacing	¼"
Front Edge Ground Clearance:	28"	Module Model:	HIS-250MG
Horizontal Rail Material:	5"x4"x¼" HSS	Module Size:	38.70" x 64.76"
Top Rail Material:	SF Rails	Individual Module Rating:	250 watt
Qty Rails per Panel:	2	Sub Array Power Rating:	12.00 kw
Top Rail Length:	242"	Total Power Rating:	12.00 kw
Top Rail Center Span:	134"		
Top Rail Overhangs:	54"		

Sheet 1 of 3

Date	Revision	Drawn By	Review By
02/12/2015	Original		MZ

21st Century Power Solutions

Project:
Adashek Residence
3211 Woodvalley Drive
Pikesville, MD 21208

Solar Foundations USA

6103 Winterhaven Drive Newark, DE 19702 Ph: (855) 738-7200 Fax: (866) 644-5665

Montgomery Soil Conservation District
18410 Muncaster Road - Derwood, MD 20855 - Phone (301) 590-2855
www.montgomeryscd.org

July 11, 2018

Mrs. Amy Falcone
C/O Bela Vita Farm

4901 Brookeville Rd., Brookeville, MD 20833

Dear Mrs. Falcone:

The purpose of this letter is to provide instructions for the installation of erosion control practices for the disturbed areas (0.5 acres) around the proposed greenhouse and solar photo voltaic (pvc) array to be constructed on the Bela Vita Frm located at 4901 Brookeville Road, Brookeville, Maryland 20833.

- The installation of the greenhouse and PVC array and the stabilization of the disturbed areas near the barn will not require any fill to be imported to the site. Installation of a berm on the North side of the structure and the diversion / swale on the South side will be built with fill derived from the excavation of the greenhouse site. If any fill does end up being needed to complete this project please contact the Montgomery Soil Conservation District (MSCD) office for a plan revision. These agricultural practices will be completed by October 31, 2018.

Site preparation and the sediment control guidelines:

- Contact the MSCD 72 hours before excavation/clearing is to begin.
- Contact Miss Utility at least 72 hours before any excavation or clearing.
- Install the silt fence as described in attached detail. See attached aerial map for location.
- Keep soil, mud, and debris off of the county roadway at all times. If woody vegetation, debris, or soil is displaced onto the road surface, it must be removed immediately.
- If needed, install a stabilized construction entrance. See attached detail. The Montgomery County Department of Permitting Services sediment control inspectors can levy fines if dirt or mud is from construction sites is tracked onto the roads.
- Seed and stabilize with straw mulch all exposed disturbed areas as soon as possible in the construction process. This should occur as soon as a section is completed.
- Slope Stability - Fill slopes shall be graded as flat as possible where feasible and reasonable. Slopes of 3:1 or flatter are recommended.

- Soil must be well compacted and graded properly. Place fill evenly in maximum 8 inch lifts and compact each lift with a minimum of four complete passes of a sheepsfoot roller, vibratory compaction equipment or track machine, as per landowner's discretion. Measures shall be installed on stable slopes (straw) after seeding.

- Divert runoff away from the greenhouse with a 15 ft wide x 0.7 ft deep grassed swale / diversion. See detail.

- Use erosion control matting in swale after it has been seeded to a minimum width of 10 ft. wide. Install using sod staples as as per detail.

- Topdress disturbed areas with a minimum of 6 inches of topsoil compacted at least by one pass by a roller or ecavation equipment.

- Adequate moisture shall be maintained in the seeded area during the germination period.

- Roof runoff from greenhouse to be captured in storage tank to be utilized in greenhouse structure. Contact the MSCD for size and design guidance or utilize private engineer.

Sincerely,

Paul Meyer
Engineering Technician, MSCD

Enclosures:
Silt Fence Detail
Stabilized Construction Entrance Detail
Grassed Waterway / Diversion Detail
Erosion Control Matting Detail
Aerial Plan View Map

CC: John Zawitoski, District Manager MSCD
Charlotte Brewster, USDA/ NRCS District Conservationist Montgomery County
Rick Brush, Montgomery DPS Land Development Chief
Margaret Urban, Montgomery DPS Sediment Control Field Manager

Please, contact the Montgomery Soil Conservation District 72 hours before beginning the proposed land disturbance activity at 301-590-2855.

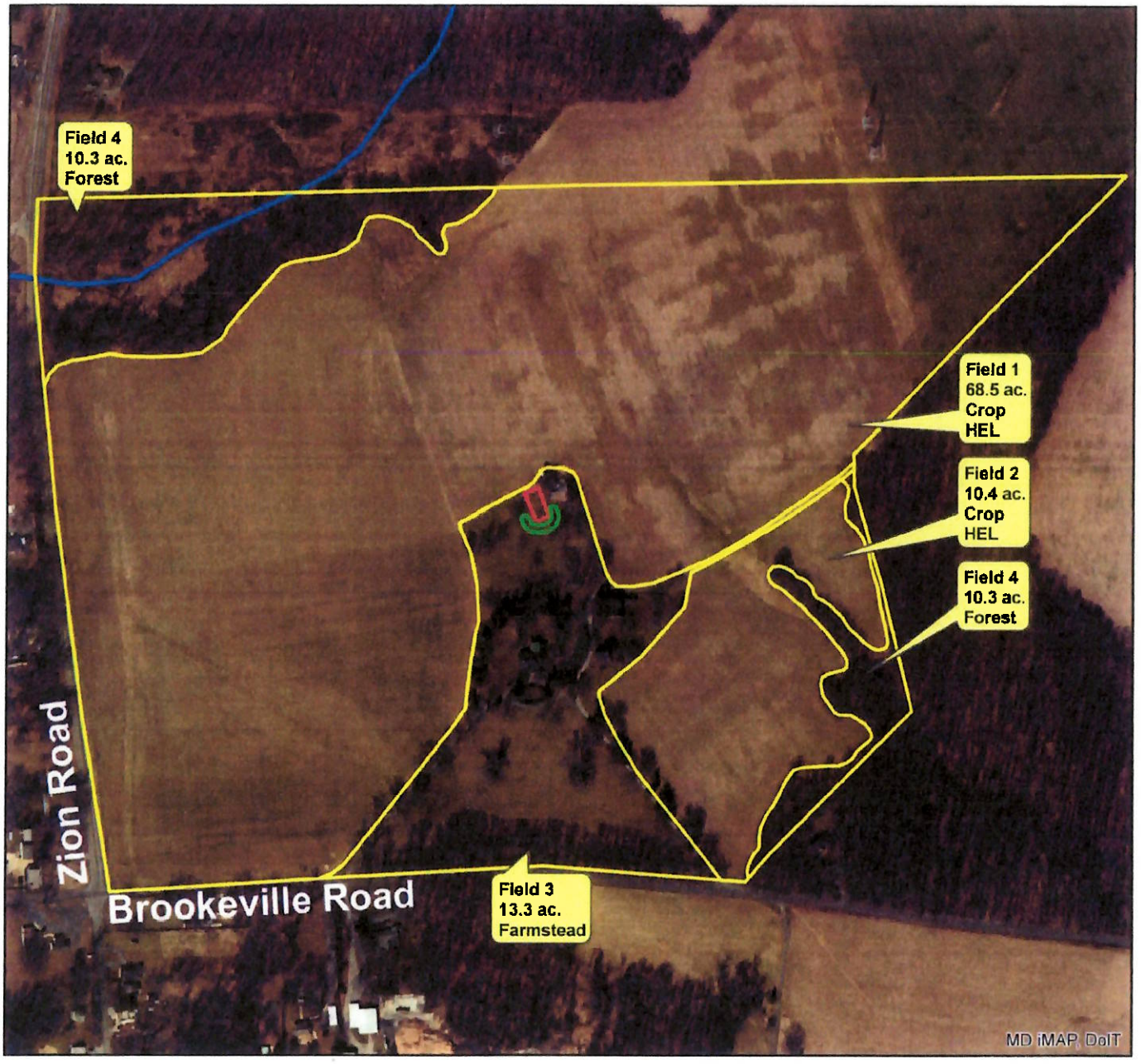
Conservation Plan Map

7/10/2018

Owner: MONTEDORO LLC — **MONTGOMERY COUNTY SERVICE CENTER**

Operator: PLEASANT VALLEY FARM PARTNERSHIP LLP — **Assisted By: BRANDY GIBBONS**

Tract: 776



Legend

- Planned Land Units
- Streams
- Proposed Greenhouse
- Proposed Berm

USDA

0 200 400 800 1,200 Feet

N

USDA MONTGOMERY COUNTY SERVICE CENTER
18410 MUNCASTER RD
DERWOOD, MD 20855-1421
(301) 590-2855

CHARLOTTE BREWSTER
DISTRICT CONSERVATIONIST

Conservation Plan

MONTEDORO LLC
PO BOX 214
BROOKEVILLE, MD 20833

PLEASANT VALLEY FARM PARTNERSHIP LLP
4401 BROOKEVILLE ROAD
BROOKEVILLE, MD 20833

Crop

Tract: 776

Conservation Crop Rotation (328)

Grow crops in a planned rotation to protect the soil from erosion; help control weeds, insects, and diseases; and improve the physical condition of the soil. Noxious weeds (Johnsongrass, shattercane, Canada thistle, plumeless thistle, musk thistle, bull thistle) must be controlled as required by State Law and not allowed to go to seed. The following rotation is planned on these fields: 2 years of corn for grain, 1 year of full season soybeans, and 1 year of small grains.

Field	Planned Amount	Month	Year	Applied Amount	Date
1	68.5 ac	7	2018		
2	10.4 ac	7	2018		
Total:	78.9 ac				

Integrated Pest Management (595)

Manage infestations of weeds, insects and disease to reduce adverse effects on plant growth and crop production, and to prevent or mitigate pesticide risks to soil, water, air, plans, animals, and people. Implement an Integrated Pest Management (IPM) plan that includes pest prevention, avoidance, monitoring, and suppression strategies developed in accordance with University of Maryland Extension guidelines. Pesticide application records shall be maintained in accordance with the Maryland Department of Agriculture's requirements.

Field	Planned Amount	Month	Year	Applied Amount	Date
1	68.5 ac	7	2018		
2	10.4 ac	7	2018		
Total:	78.9 ac				

Nutrient Management (590)

Manage the amount, form, placement and timing of plant nutrient application to protect surface and groundwater from runoff and/or leaching of nutrients. A Nutrient Management Plan (NMP) will be developed and followed for each crop to be grown on each field. This NMP will be developed by a consultant licensed and certified by the Maryland Department of Agriculture. The Maryland Water Quality Improvement Act of 1998 requires all nutrient management plans to address both nitrogen and phosphorus as the limiting nutrients. The NMP will account for all sources and forms of plant nutrients applied for plant growth and production. The amount of all nutrients applied must be based on a current analysis of the soil's potential to produce a realistic yield. All fields will have current soil test analysis of not more than 3 years old. Plans should be implemented as written, and updated at least every 3 years or whenever there is a major change in the farming operation. Records will be kept which document, at a minimum; crops & crop acres, animal type and number, sources of nutrients applied including pounds/tons of commercial fertilizer and/or animal manure applied and how nutrients may have been incorporated. Records will note when the crops were planted, harvested, and the yields were obtained for each individual field or management unit.

Field	Planned Amount	Month	Year	Applied Amount	Date
1	68.5 ac	7	2018		
2	10.4 ac	7	2018		
Total:	78.9 ac				

Residue and Tillage Management, No-Till (329)

A continuous no-till system is used for all crops grown on these fields to control erosion, improve water quality, and improve soil organic matter. This practice leaves the soil and crop residue mostly undisturbed except where seed and fertilizer are placed in the ground. Tillage implements that result in significant disturbance (such as moldboard plows, chisels, and disks) are not be used with this system. Weeds will be controlled primarily by herbicides.

Field	Planned Amount	Month	Year	Applied Amount	Date
1	68.5 ac	7	2018		
2	10.4 ac	7	2018		
Total:	78.9 ac				

The owner, Montedoro LLC, operates fields 3 and 4. Pleasant Valley Farm Partnership LLP operates fields 1 and 2.

CERTIFICATION OF PARTICIPANTS

Amy Falcone 7/11/2018 MONTEDORO LLC DATE	PLEASANT VALLEY FARM DATE

CERTIFICATION OF:

DISTRICT CONSERVATIONIST CHARLOTTE BREWSTER DATE	CONSERVATION DISTRICT MONTGOMERY SCD DATE

PUBLIC BURDEN STATEMENT

According to the Paperwork Reduction Act of 1995, an agency may not conduct or sponsor, and a person is not required to respond to a collection of Information unless it displays a valid OMB control number. The valid OMB control number for this information collections is 0578-0013. The time required to complete this information collection is estimated to average 45/0.75 minutes per response, including the time for reviewing instructions, searching existing data sources, gathering and maintaining the data needed, and completing and reviewing the collection information.

PRIVACY ACT

The above statements are made in accordance with the Privacy Act of 1974 (5 U.S.C 522a) Furnishing this information is voluntary; however failure to furnish correct, complete information will result in the withholding or withdrawal of such technical or financial assistance. The information may be furnished to other USDA agencies, the Internal Revenue Service, the Department of Justice, or other state or federal law enforcement agencies, or in response to orders of a court, magistrate, or administrative tribunal.

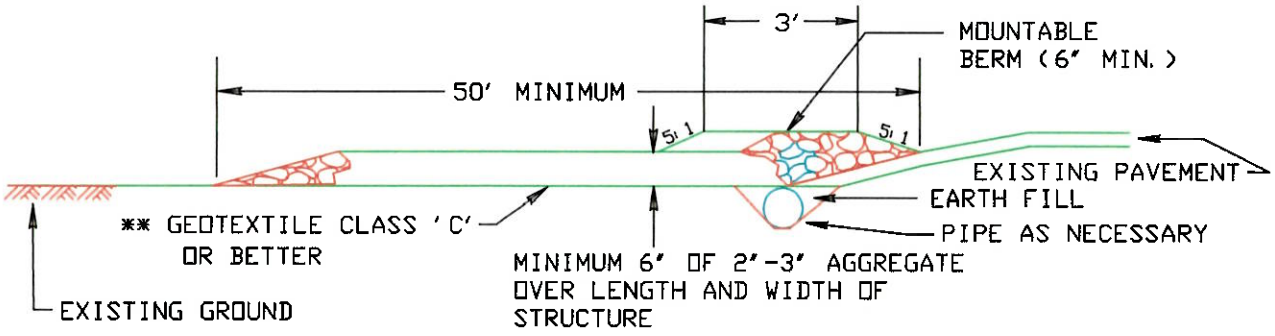
USDA NON-DISCRIMINATION STATEMENT

The U.S. Department of Agriculture (USDA) prohibits discrimination against its customers. If you believe you experienced discrimination when obtaining services from USDA, participating in a USDA program, or participating in a program that receives financial assistance from USDA, you may file a complaint with USDA. Information about how to file a discrimination complaint is available from the Office of the Assistant Secretary for Civil Rights. USDA prohibits discrimination in all its programs and activities on the basis of race, color, national origin, age, disability, and where applicable, sex (including gender identity and expression), marital status, familial status, parental status, religion, sexual orientation, political beliefs, genetic information, reprisal, or because all or part of an individual's income is derived from any public assistance program. (Not all prohibited bases apply to all programs.) To file a complaint of discrimination, complete, sign, and mail a program discrimination complaint form, available at any USDA office location or online at www.ascr.usda.gov, or write to:

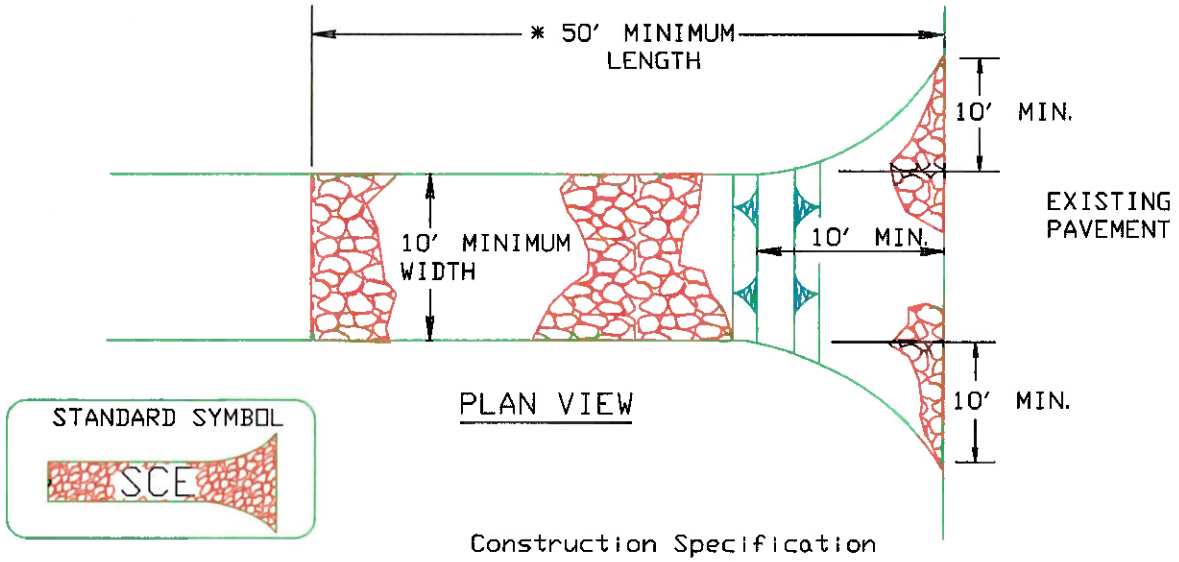
USDA Office of the Assistant Secretary for Civil Rights
1400 Independence Avenue, SW.
Washington, DC 20250-9410

Or call toll free at (866) 632-9992 (voice) to obtain additional information, the appropriate office or to request documents. Individuals who are deaf, hard of hearing, or have speech disabilities may contact USDA through the Federal Relay service at (800) 877-8339 or (800) 845-6136 (In Spanish). USDA is an equal opportunity provider, employer, and lender. Persons with disabilities who require alternative means for communication of program information (e.g., Braille, large print, audiotape, etc.) should contact USDA's TARGET Center at (202) 720-2600 (voice and TDD).

DETAIL 24 - STABILIZED CONSTRUCTION ENTRANCE



PROFILE



PLAN VIEW

Construction Specification

1. Length - minimum of 50' (*30' for single residence lot).

2. Width - 10' minimum, should be flared at the existing road to provide a turning radius.

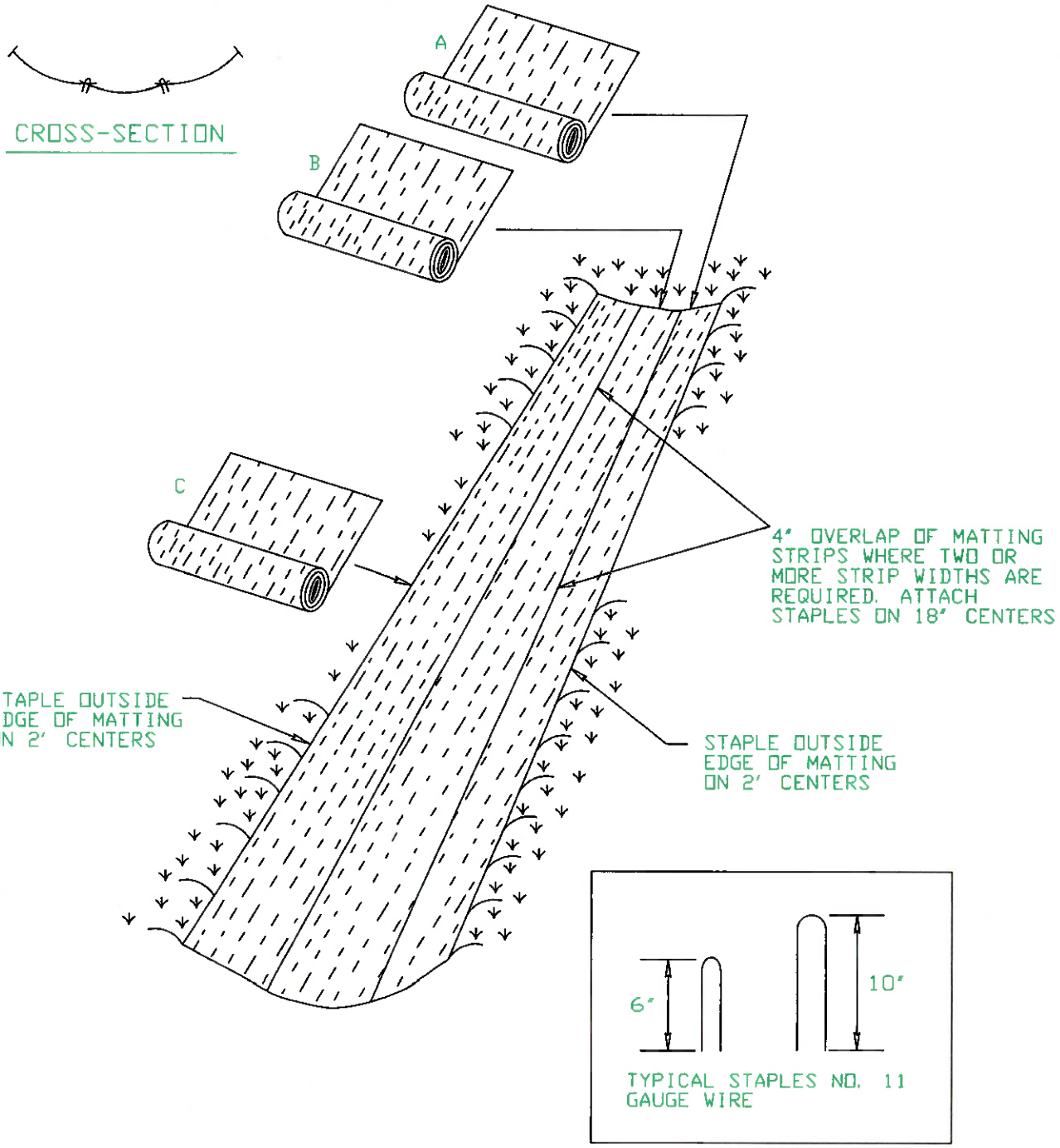
3. Geotextile fabric (filter cloth) shall be placed over the existing ground prior to placing stone. **The plan approval authority may not require single family residences to use geotextile.

4. Stone - crushed aggregate (2" to 3") or reclaimed or recycled concrete equivalent shall be placed at least 6" deep over the length and width of the entrance.

5. Surface Water - all surface water flowing to or diverted toward construction entrances shall be piped through the entrance, maintaining positive drainage. Pipe installed through the stabilized construction entrance shall be protected with a mountable berm with 5:1 slopes and a minimum of 6" of stone over the pipe. Pipe has to be sized according to the drainage. When the SCE is located at a high spot and has no drainage to convey a pipe will not be necessary. Pipe should be sized according to the amount of runoff to be conveyed. A 6" minimum will be required.

6. Location - A stabilized construction entrance shall be located at every point where construction traffic enters or leaves a construction site. Vehicles leaving the site must travel over the entire length of the stabilized construction entrance.

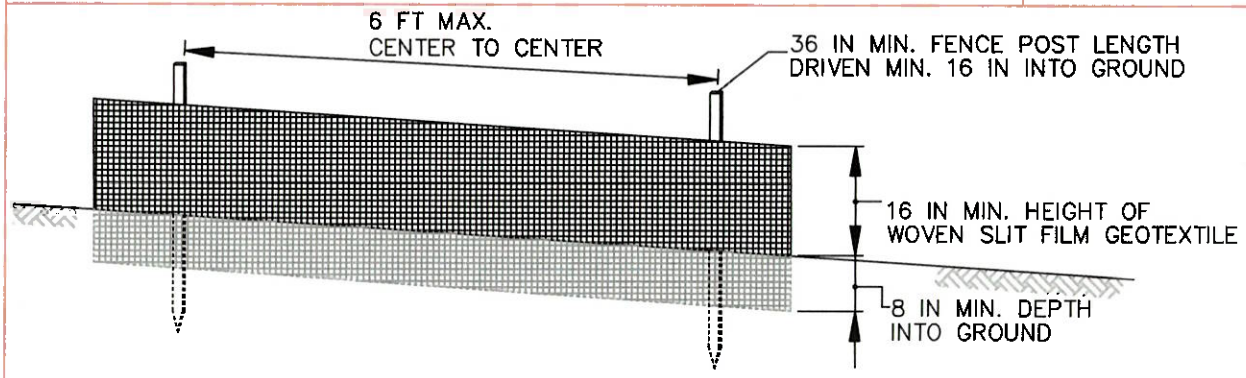
DETAIL 30 - EROSION CONTROL MATTING



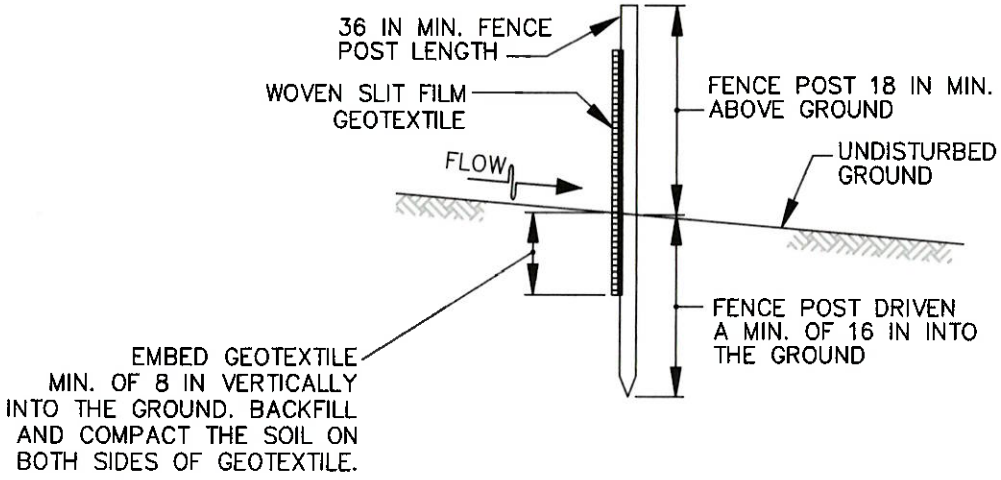
DETAIL E-1 SILT FENCE

STANDARD SYMBOL

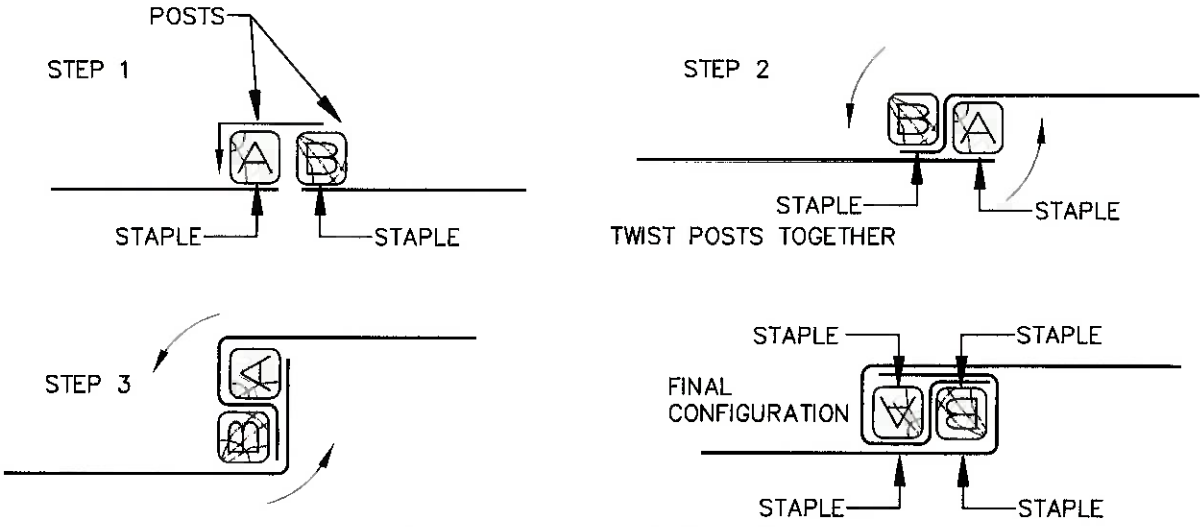
—SF—



ELEVATION



CROSS SECTION



JOINING TWO ADJACENT SILT FENCE SECTIONS (TOP VIEW)

1 OF 2

DETAIL E-1 SILT FENCE

STANDARD SYMBOL

SF

CONSTRUCTION SPECIFICATIONS

1. USE WOOD POSTS 1¾ X 1¾ ± 1/16 INCH (MINIMUM) SQUARE CUT OF SOUND QUALITY HARDWOOD. AS AN ALTERNATIVE TO WOODEN POST USE STANDARD "T" OR "U" SECTION STEEL POSTS WEIGHING NOT LESS THAN 1 POUND PER LINEAR FOOT.

2. USE 36 INCH MINIMUM POSTS DRIVEN 16 INCH MINIMUM INTO GROUND NO MORE THAN 6 FEET APART.

3. USE WOVEN SLIT FILM GEOTEXTILE AS SPECIFIED IN SECTION H–1 MATERIALS AND FASTEN GEOTEXTILE SECURELY TO UPSLOPE SIDE OF FENCE POSTS WITH WIRE TIES OR STAPLES AT TOP AND MID–SECTION.

4. PROVIDE MANUFACTURER CERTIFICATION TO THE AUTHORIZED REPRESENTATIVE OF THE INSPECTION/ENFORCEMENT AUTHORITY SHOWING THAT THE GEOTEXTILE USED MEETS THE REQUIREMENTS IN SECTION H–1 MATERIALS.

5. EMBED GEOTEXTILE A MINIMUM OF 8 INCHES VERTICALLY INTO THE GROUND. BACKFILL AND COMPACT THE SOIL ON BOTH SIDES OF FABRIC.

6. WHERE TWO SECTIONS OF GEOTEXTILE ADJOIN: OVERLAP, TWIST, AND STAPLE TO POST IN ACCORDANCE WITH THIS DETAIL.

7. EXTEND BOTH ENDS OF THE SILT FENCE A MINIMUM OF FIVE HORIZONTAL FEET UPSLOPE AT 45 DEGREES TO THE MAIN FENCE ALIGNMENT TO PREVENT RUNOFF FROM GOING AROUND THE ENDS OF THE SILT FENCE.

8. REMOVE ACCUMULATED SEDIMENT AND DEBRIS WHEN BULGES DEVELOP IN SILT FENCE OR WHEN SEDIMENT REACHES 25% OF FENCE HEIGHT. REPLACE GEOTEXTILE IF TORN. IF UNDERMINING OCCURS, REINSTALL FENCE.

- Soil must be well compacted and graded properly. Place fill evenly in maximum 8 inch lifts and compact each lift with a minimum of four complete passes of a sheepsfoot roller, vibratory compaction equipment or track machine, as per landowner's discretion. Measures shall be installed on stable slopes (straw) after seeding.

- Divert runoff away from the greenhouse with a 15 ft wide x 0.7 ft deep grassed swale / diversion. See detail.

- Use erosion control matting in swale after it has been seeded to a minimum width of 10 ft. wide. Install using sod staples as as per detail.

- Topdress disturbed areas with a minimum of 6 inches of topsoil compacted at least by one pass by a roller or ecavation equipment.

- Adequate moisture shall be maintained in the seeded area during the germination period.

- Roof runoff from greenhouse to be captured in storage tank to be utilized in greenhouse structure. Contact the MSCD for size and design guidance or utilize private engineer.

Sincerely,

Paul Meyer
Engineering Technician, MSCD

Enclosures:
Silt Fence Detail
Stabilized Construction Entrance Detail
Grassed Waterway / Diversion Detail
Erosion Control Matting Detail
Aerial Plan View Map

CC: John Zawitoski, District Manager MSCD
Charlotte Brewster, USDA/ NRCS District Conservationist Montgomery County
Rick Brush, Montgomery DPS Land Development Chief
Margaret Urban, Montgomery DPS Sediment Control Field Manager

Please, contact the Montgomery Soil Conservation District 72 hours before beginning the proposed land disturbance activity at 301-590-2855.

PERMANENT SEEDING NOTES

Seeding shall comply with NRCS Technical Guide IV - Critical Area Planting (342).

1. Soil Amendments:
   A) Fertilizer (10-20-20) shall be applied at 500 lb/ac. or 10lbs./ 1000 sq.ft.
   B) Lime shall be applied at 2 tons/ac. or 100lbs./ 1000 sq.ft.
   C) Incorporate lime and fertilizer in to the top 2 to 4 inches of soil by disking or other suitable means.

2. Seedbed Preparation:
   A) Soil shall be loosened to a depth of 2 inches by raking, disking, or other acceptable means prior to seeding.
   B) Apply seed uniformly with a cyclone seeder, drill, cultipacker seeder or hydroseeder (slurry includes seed and fertilizer on a firm, moist seedbed). Maximum seeding depth should be 1/4" on clayey soil and 1/2" on sandy soils, when using other than hydroseeder method of application. Note: If hydroseeding is used and the seed and fertilizer is mixed, they will be mixed on site and the seeding shall be immediate without interruption.

3. Mulching
   A) Remaining disturbed areas shall be mulched with one of the following:
      a) Straw or hay mulch applied at a rate of 2 tons per acre (90 lbs/1000sq.ft) and anchored immediately after placement.
      b) Wood fiber or paper fiber mulch applied at a rate of 2000 lb. per acre or as recommend by the manufacturer.
      c) Pelletized mulch applied at 60-75 lb. per 1000 sq.ft. in accordance with the manufacturer's recommendations.
      d) Shredded bark mulch applied to a depth of 2-3 inches with a minimum ground cover of 85%.

Permanent Seeding Summary

Seed Mixture (Hardiness Zone 7a)					Fertilizer Rate (10-20-20)	Lime rate
No.	species	application rate (lb/ac)	seeding dates	seeding depths		
1	turf type tall fescue	100	8/15-10/31	1/2 in	500lbs./ac. (10lbs./1000s.f.)	2 Tons/ac. (100lbs./1000s.f.)
2	perenial rye grass	25	8/15-10/31	1/2 in		
3	cereal rye grain	25	8/15-10/31	1/2 in		

Seeding Dates, Zone 7a : Feb 15th - April 30th
Aug 15th - Oct 31th


Bella Vita
FARM

38 inches

Powder coated aluminum
Copper flashing