

**EAST LYME INLAND WETLANDS AGENCY
REGULAR MEETING
Monday, AUGUST 11th, 2014
MINUTES**

PRESENT: Cheryl Lozanov, Chairperson, Chuck Reluga, Vice-Chair, Phyllis Berger,
Norm Bender, Joe Mingo, Kim Barber Bradley, Alternate

ALSO PRESENT: Don Fortunato, Soil Scientist, representing the Applicant
Attorney Theodore Harris, representing the Applicants
Gary Goeschel, Inland Wetlands Agent
Karen Zmitruk, Recording Secretary

ABSENT: Keith Hall, Secretary, Harry Clarke

FILED IN EAST LYME
CONNECTICUT
Aug 15 2014 AT 12:05 AM/PM
Bradley D. Jones ATC
EAST LYME TOWN CLERK

Call to Order

Ms. Lozanov called the August 11, 2014 Regular Meeting of the East Lyme Inland Wetlands Agency to order at 7:04 PM. She introduced the members of the Commission, Inland Wetlands Agent and Recording Secretary.

Pledge of Allegiance

The Pledge was observed.

I. Additions to the Agenda

Ms. Lozanov asked if there were any additions to the agenda.
Mr. Goeschel said that there were no additions.

II. Acceptance of Minutes

▪ **Site Walk Minutes of June 7, 2014**

Ms. Lozanov called for any discussion or corrections to the Site Walk Minutes of June 7, 2014.

****MOTION (1)**

Mr. Reluga moved to accept the Inland Wetlands Agency Site Walk Minutes of June 7, 2014 as presented.

Ms. Bradley seconded the motion.

Vote: 6 – 0 – 0. Motion passed.

▪ **Show Cause Hearing Minutes of June 9, 2014**

Ms. Lozanov called for any discussion or corrections to the Show Cause Hearing Minutes of June 9, 2014.

****MOTION (2)**

Ms. Bradley moved to accept the Inland Wetlands Agency Show Cause Hearing Minutes of June 9, 2014 as presented.

Mr. Reluga seconded the motion.

Vote: 6 – 0 – 0. Motion passed.

▪ **Regular Meeting Minutes of June 9, 2014**

Ms. Lozanov called for any discussion or corrections to the Regular Meeting Minutes of June 9, 2014.

****MOTION (3)**

Ms. Berger moved to accept the Inland Wetlands Agency Regular Meeting Minutes of June 9, 2014 as presented.

Mr. Reluga seconded the motion.

Vote: 6 – 0 – 0. Motion passed.

▪ **Site Walk Minutes of July 12, 2014**

Ms. Lozanov called for any discussion or corrections to the Site Walk Minutes of July 12, 2014.

Ms. Lozanov noted that the heading should be changed to read July 12, 2014.

****MOTION (4)**

Ms. Bradley moved to accept the Inland Wetlands Agency Site Walk Minutes of July 12, 2014 as amended.

Ms. Berger seconded the motion.

Vote: 6 – 0 – 0. Motion passed.

▪ **Regular Meeting Minutes of July 14, 2014**

Ms. Lozanov called for any discussion or corrections to the Regular Meeting Minutes of July 14, 2014.

Ms. Lozanov asked that on Page 7 in the middle of the page that the line where she is speaking be changed to read: 'Ms. Lozanov felt someone is dumping grass in the Harvest Glen area near the unpaved right-of-way and that this eventually washes to the basins.'

Mr. Reluga asked that on Page 3 at the bottom in the next to the last paragraph that 'honey tree' be changed to read: 'honey locust tree'

Ms. Bradley asked that on Page 7 where she is speaking that Mike Kline's name be changed to 'Klein's'

Ms. Berger asked where it appears throughout the minutes that Mr. Berger is corrected to read: 'Ms. Berger'

****MOTION (5)**

Mr. Reluga moved to accept the Inland Wetlands Agency Regular Meeting Minutes of July 14, 2014 as amended.

Ms. Berger seconded the motion.

Vote: 6 – 0 – 0. Motion passed.

III. Public Delegations

Ms. Lozanov called for Public Delegations.

There were none.

IV. Ex-Officio Report

Mr. Goeschel noted that Mr. Seery had called and said that he would try to make it back from another engagement. If he does, they can hear his report at that time.

V. Pending Applications

- **249 Old Black Point Road, Niantic, CT – Application of Dr. D. Rebecca Davies & Jeremy Kramer, Applicant/Owners for the demolition of an existing dwelling and the construction of a single family dwelling associated pool, retaining walls, septic system and landscaping on property located at 249 Old Black Point Road, Niantic, CT, Assessor's Map #30.2, 30.**

Ms. Lozanov called upon the applicant.

Don Fortunato, Soil Scientist said that they would tie up the items mentioned at the last meeting. He noted that the two phragmites are now gone and those on the neighbors' property they cannot get. The buffer plants between the pool areas will be put in to attract butterflies, etc and will be mowable.

Ms. Lozanov asked if they could have a talk with the neighbor and ask that they be removed as they spread. Mr. Fortunato said they would try.

Robert Johnson, Landscape Architect explained the planting varieties and where they would be located.

Matthew White of Angus-McDonald explained the roof run-off would go to an area of crushed stone.

Mr. Mingo said that he would like to see it filtered by a rain garden.

Mr. Goeschel asked if the first inch would be captured before getting to the wetland and if it would adversely affect the wetland.

Mr. Fortunato said no.

Ms. Lozanov asked about the pool and discharge plan with respect to the chemicals and chlorine.

Eric Rose, Builder said that the pool planned here is a salt generated system and would be filtered. Further there is really no reason to empty a 30 year gunite pool.

Ms. Lozanov asked about the potential for something to happen to it in extreme weather conditions.
Mr. Goeschel said that they would provide the pool schematics.

Ms. Lozanov asked about over-fill from heavy rain events.

Mr. Rose said that it is not likely that the pool would overflow as water evaporates from it by some two to three inches per day and has to be re-filled. The water level is also some four to six inches below the coping and there is no chlorine being used. Still further, the roof is a slate roof which does not support algae blooms like most roofs do.

Mr. Goeschel suggested having the landscape plan revised to state that they are not using a conservation mix and then given to him. Other than this and the need for a landscape architect signed/stamped updated plan, everything appears to be in order.

****MOTION (6)**

Mr. Mingo moved to accept the application of Dr. Dorothy Rebecca and Jeremy Kramer for 249 Old Black Point Road, Niantic, CT as complete.

Mr. Reluga seconded the motion.

Vote: 6 – 0 – 0. Motion passed.

Ms. Lozanov said that she would like to see a five year, 80% survival rate for the plantings with bonding for two full planting seasons so that any dead plantings will be replaced.

Mr. Mingo disagreed and said that with an architect's plan that any dead plan will be replaced and further that a bond would only be for something under \$100 as the plantings that they are talking about will only cost a couple hundred dollars in total.

Ms. Lozanov said that they also need a final planting plan that is stamped and signed by a licensed landscape architect.

Mr. Rose suggested that they define the bond as a cash bond and that it be 20% of the wetland plantings cost. He said that they do not have an issue with it.

Mr. Mingo said that he still is not interested in a bond as it will be a very small one and this is not a parking lot or commercial area where things die and no one replaces them, this is a million dollar home and they are not going to want to look at dead plantings.

Ms. Lozanov said that she thinks that the bond is a good idea.

Ms. Bradley said that she would make an amendment to the motion if necessary to have it included.

****MOTION (7)**

Mr. Mingo moved to grant the Application of Dr. Dorothy Rebecca and Jeremy Kramer for the demolition of an existing dwelling at 249 Old Black Point Road, Niantic, CT (Assessor's Map 2.1, Lot 2) and the construction of a single family dwelling, associated pool, retaining walls, septic system, and landscaping with the following conditions:

- **Notify the Wetlands Enforcement Officer at least two (2) days prior to construction to inspect erosion controls.**
- **Notify Wetlands Enforcement Officer at completion of permit for final inspection and sign off.**
- **Additional work beyond this permit in the wetlands or watercourse or its 100' regulated area will require approval from the inland wetlands agency or its certified agent.**
- **Changes to the plan listed on this permit require notification to the wetlands enforcement officer and may require agency approval. A new plan will be given to agent before work begins.**
- **Provide a final planting plan that is stamped and signed by a licensed landscape architect.**
- **Provide a cash bond for 20% of the cost of the wetland plantings to insure that they remain for two years and the plantings must have an 80% survival rate at the end of five years.**

Mr. Reluga seconded the motion.

Vote: 6 – 0 – 0. Motion passed.

- **21 Pattagansett Drive, East Lyme, CT – Application of Andrew & Christine Towpasz, Applicant/ Owners for the construction of a 46-foot by 120-foot garage and associated 15-foot access drive on property located at 21 Pattagansett Drive, East Lyme, CT, Assessor's Map #30.2, 30.**

Ms. Lozanov called upon the applicant, noting that this application was also discussed at a previous meeting.

Attorney Theodore Harris, place of business 351 Main Street, Niantic noted that they had submitted a report from John Ianni, Professional Soil Scientist, Highland Soils LLC. This was entered as **Exhibit C**.

Mr. Goeschel noted that **Exhibit A** was the application, **Exhibit B** the original site plan, **Exhibit D** the revised site plan and **Exhibit F** notification to the DPH.

Attorney Harris continued that the driveway width was increased from 15' to 20' and that he had provided them with a side view of the attachment of the building to the cement structure. The building will be used for storage of vehicles, such as antique cars. It will not have a water connection but will have electricity for some lights. The driveway is porous and they could put a berm at the garage door to prevent any run-off.

Ms. Lozanov asked if there would be any chemicals stored there.

Andrew Towpasz, Owner/Applicant said that there would be some oil for the cars as well as antifreeze and brake fluid. He explained that they own four collector cars now and that they would eventually own more if they had the space to store them – this would only be used to store the vehicles.

Ms. Lozanov asked for signed, stamped plans.

Mr. Goeschel said that they would need to have them signed/stamped by the surveyor and soil scientist.

Attorney Harris noted that the limit of disturbance at the closest is 25' and that any debris near the upland review area will be removed.

Ms. Lozanov asked if any fill is needed.

Attorney Harris said no.

Ms. Lozanov asked if they would have to take some soil away from the site.

Mr. Towpasz said that they probably would have to take some out for the footings and then put some material in for the under slab for stability.

Ms. Lozanov called for a motion for completeness.

****MOTION (8)**

Mr. Mingo moved to accept the application of Andrew & Christine Towpasz for 21 Pattagansett Drive, East Lyme, CT as complete.

Mr. Reluga seconded the motion.

Vote: 6 – 0 – 0. Motion passed.

****MOTION (9)**

Mr. Mingo moved to grant the Application of Andrew & Christine Towpasz for the construction of a 46' by 120' garage and associated 20 foot access drive on property located at 21 Pattagansett Drive, East Lyme, CT Assessor's Map 30.2, Lot 30 with the following conditions:

- **Notify the Wetlands Enforcement Officer at least two (2) days prior to construction to inspect erosion controls.**
- **Notify Wetlands Enforcement Officer at completion of permit for final inspection and sign off.**
- **Additional work beyond this permit in the wetlands or watercourse or its 100' regulated area will require approval from the inland wetlands agency or its certified agent.**
- **Changes to the plan listed on this permit require notification to the wetlands enforcement officer and may require agency approval. A new plan will be given to agent before work begins.**
- **Install a berm in front of the door to prevent run-off.**
- **Provide plans stamped and signed by the surveyor and licensed landscape architect.**

Ms. Bradley seconded the motion.

Vote: 6 – 0 – 0. Motion passed.

(Note: a brief break was taken here)

VI. Old Business

- **Cease, Desist & Correct Order – 20 Farm Meadow Road, East Lyme, CT – Centerplan Construction Company and GRE 314 East Lyme, LLC, Owner – Antares Solar Field on property located at 20 Farm Meadow Road, East Lyme, CT. Assessor's Map 52.0, Lot #126, East Lyme, CT.**
Ms. Lozanov noted that Mr. Bender has recused himself from this item and has left the meeting.

Attorney Harris synopsisized that they were there to review the remediation plan from a rain event this past spring. Freeman Associates had provided them with a number of recommendations and they had adopted them except for the drip edge item. They asked Mr. Freeman to re-visit that item and he had provided them with an updated review and feels that the drip edge is no longer required but advises monitoring. (Attached)

Mr. Mingo noted that the Cease & Desist does not cover any off-site areas.

Attorney Harris said that he is speaking about the areas of the site-plan. He said that Mr. Klein will review his plans and that they would suggest leaving some of the areas as they are as they are regenerating on their own.

Michael Klein, environmentalist and Soil Scientist, West Hartford, CT noted that they had identified six areas originally and that they wanted to re-visit them prior to making a final determination. Area 1 is relatively flat and does not require planting; Area 2 the sediment is fine grained and moist and the area is well vegetated at about 90%. There is a small area of about 120 sq. ft. that they would put plugs in and some seed mix. Area 3 is the same as Area 2 but has 500-600 sq. ft. that could use some plugs and seed mix. There are breaks and jute or dead logs in the area down slope of the fence that break the flow of water.

Mr. Mingo said that Areas 5 and 6 are off-site.

Mr. Klein said that was correct per the survey.

Attorney Harris clarified that part of the order is that they have to mitigate and remediate affected areas.

Mr. Goeschel said that Areas 5 and 6 are the Prokop property and not the Land Trust Property.

Mr. Klein continued that Areas 1, 2 and 3 are fairly well vegetated; Area 4 is on a slope and has Mountain laurel covering it and is dry and sandy so they would want to use more plugs there and also put some three inches of weed free wood chips/mulch to hold the germination down. Area 5 is similar to Area 4 and would be treated in the same manner. Area 6 is different and has shade and most of the sediment has migrated out of the area. They would stabilize the remaining sediment at the top of the swale and in the swale in terms of velocity stabilizers. They are still proposing removal in some of the deeper sediment areas but they are smaller areas than first anticipated.

Ms. Bradley asked if they were still looking at suction as a manner of removal.

Mr. Klein said that he would let the contractor answer that.

Ms. Bradley asked if it would still be a wetland with sediment.

Mr. Klein said yes as there is not enough there to change the classification.

Ms. Lozanov said that they walked the site and that the hydro-seeding is coming in well under the solar panels but not so well on the outside of them.

Mike Lombardi, Centerplan Construction Co. said that they have recommended that the removal work be done by hand with minimal equipment as they do not want to disturb what is growing. With respect to the hydro-seeding the areas will get another round of seed mix and the areas on the outside are not completed yet, they are still working towards getting that done.

Mr. Goeschel said that the jute netting needs to be re-applied and the area re-seeded.

Mr. Lombardi said that they worked on some rye there just to stabilize the area but do not want to put in the rest until the fall once the basins are remediated. The stone check dams will remain in place to stem any bulk erosion.

Ms. Lozanov said that she would like them to go on another site walk in September as there are gullies on the sides and they may not really have an answer regarding the drip edging. Mr. Goeschel can monitor the site especially considering that heavy rain is expected for this week.

Mr. Goeschel noted that as long as the owners are notified ahead of time that any member of the Commission can visit the site. He also noted that any work done to Areas 5 and 6 would need permission of the property owner.

****MOTION (10)**

Mr. Mingo moved to allow Centerplan Construction Co and GRE 314 East Lyme, LLC to start their remediation work per the plan presented with minimal damage to the plantings that have already re-generated and with Mr. Klein on site at various points to monitor the progress.

Ms. Bradley seconded the motion.

Vote: 5 – 0 – 0. Motion passed.

Mr. Goeschel noted that an adjacent property owner, Ms. Bengtson of 63 Walnut Hill Road had contacted him that her property was adversely affected also. Mr. McNamara has said that the sediment was not due to events that occurred on his property however as a good neighbor he has offered to remove some of the sediment but only under the umbrella of the Cease & Desist order. He suggested that this be placed on their next agenda and discussed at their next meeting.

Attorney Harris said that doing this as part of the Cease & Desist would be the neatest and quickest way of getting it done.

VII. New Business

There was none.

VIII. Chairman's Report

Ms. Lozanov said that she did not have anything to report.

IX. Wetland Enforcement Officer Report

▪ **Gateway Development**

Mr. Goeschel said that he had received their report today and that he would be out looking over the site tomorrow. He added that he would be contacting them regarding an environmental monitor as he had thought that Mr. Rabideau was to be that person. Further, with a recent name change he said that he would follow the bond to make sure that it travels with the current name and everything is in order.

▪ **Administrative Permits Issued**

Mr. Goeschel said that he had not printed out a copy of the permits that he had issued but he would email it to them as it was just a matter of printing it from the computer. (Copy attached)

Ms. Lozanov asked that he do that.

▪ **Enforcements**

Mr. Goeschel reported on the following enforcements:

- **Groom's Way** – He reached out to the person here regarding the grass clippings that are going into the basins and left his card for them to contact him but he has not received a return call.

Mr. Mingo asked for an update on the property on the corner of Roxbury Road.

Mr. Goeschel said that he would have to go out and check and get back to them on it.

▪ **Correspondence**

Mr. Goeschel noted that the Siting Council had accepted what he had sent them as remediation proposals for the Solar Farm site.

ADJOURNMENT

****MOTION (11)**

Ms. Berger moved to adjourn this Regular Meeting of the East Lyme Inland Wetland Agency at 9:15 PM.

Mr. Mingo seconded the motion.

Vote: 5 – 0 – 0. Motion passed.

Respectfully submitted,

Karen Zmitruk,
Recording Secretary



Civil Engineering | Land Surveying | Environmental Sciences | Geotechnical Engineering

August 8, 2014
File No. 2014-0402

Mr. Ryan McNamara
c/o Centerplan Construction Company LLC
10 Main Street, Suite B
Middletown, CT 06457

**Re: Services: Updated Engineering Review
Sedimentation/Erosion Control Design**
Project: Antares Solar Field
Site: Grassy Hill and Walnut Hill Roads, East Lyme, Connecticut

Dear Mr. McNamara:

This letter summarizes my updated review and recommendations of the sedimentation/erosion control measures as installed and updated for the Antares Solar Field in East Lyme, Connecticut. Freeman Companies, LLC (Freeman) performed a phone interview with yourself and Steve DeNino of Greenskies Renewable Energy, LLC discussing the installed measures and reviewed time-sequenced photographs of the ground cover around the panels.

Based on my phone interview of construction techniques employed to mitigate and control the erosion and sedimentation on site including but not limited to, installation of check dams, hay bales, additional silt fence, application of hydroseeding and application of flocculant, it appears to have worked very successfully, as evidenced by the vegetative growth in and around the panels. It also appears that additional drip edge protection is not required because of the backfill and compaction of the soils and the established vegetative growth on it at the drip edge and beyond. There have been significant rainfall events at the site since May of this year and the recent photographs indicate no evidence of further erosion.

It appears that the site ground cover has been stabilized and is functioning correctly and as designed. My professional opinion is that drip edge protection is not required unless gullies start forming.

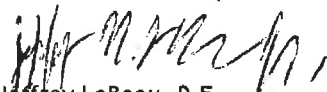
Recommendations

Continue to monitor the site for any erosion and/or sedimentation after significant rainfall events > 0.5 inch. Install previously recommended measures only as needed.

Please contact me if you or anyone else has questions on this letter and professional opinion. Thank you.

Sincerely,

FREEMAN COMPANIES, LLC 



Jeffrey LeBeau, P.E.
Civil Engineering Project Manager

Attachment IWA 8/11/14 submitted

August 6, 2014

Ryan C. McNamara
Project Manager
CENTERPLAN Construction Company
10 Main Street, Suite D
Middletown, CT 06457

RE: Sediment Deposit Stabilization
Antares Solar Farm
Grassy Hill Road, East Lyme

At your request, Environmental Planning Services (EPS) has reviewed the previously identified sediment deposition areas (see Figure 1) to assess their current condition and to recommend best methods of stabilization for each area. EPS Certified Professional Wetland Scientists visited the site several times in April, May, June and July; most recently on July 29, 2014.

Sediment Deposition Areas (see Figure 1, attached)

Sediment Deposition Area 1 (2800 ± sf) is relatively flat and mostly vegetated. No additional stabilization or planting measures are necessary.

Sediment Deposition Area 2 (5000 ± sf) is gently sloping with hummock, roots, and logs which help stabilize sediments, which are fine grained and moist. Most of the areas with shallow sediments have been stabilized by vegetation. This area is approximately 10% unvegetated in the herb layer. There was a small area approximately 8'x15' which was unvegetated. The following measures should be implemented:

1. The deeper unvegetated sediments should be stabilized in place with a combination of plugs and seed mix.
2. Plugs should be used along any flow paths and closest to the stream; seed mix should be used in other areas.
3. Seed mix should be covered with a light coating of weed-free mulch.

Sediment Deposition Area 3 (4600 ± sf) is also gently sloping with hummock, roots, and logs which help stabilize sediments which are fine grained and moist. Most of the areas with shallow sediments have been stabilized by vegetation. This area is approximately 25% unvegetated in the herb layer. There is a flow path approximately 100' long and 4' wide which discharges into the stream. There is an area of low vegetation and few shrubs between Area 2 & 3 which would be a suitable Sediment Deposit Stabilization staging area.

Attachment - IWA 8/11/14 Submitted

The following measures should be implemented:

1. Deeper un-vegetated sediments can be stabilized in place with a combination of plugs and seed mix. Plugs should be used along any flow paths and closest to the stream. All plantings should be covered with a light coating of weed-free mulch
2. Install silt socks and/or logs to break up flows to protect planting areas, especially near the brook.
3. Jute-netting will be necessary to stabilize areas of concentrated flow.

Sediment Deposition Area 4 (8200 ± sf) is on a steeper slope and is vegetated with Mountain Laurel. There is a minimal understory with wetland vegetation on the lower slope. Sediments are dry and sandy except close to the stream. Overall, the area is 50% vegetated in the herb layer. There are flow paths converge in a well-defined channel which discharges into the stream. The following measures should be implemented:

1. Deeper deposits which are dry and sandy are not easily stabilized by vegetation. Therefore removal is recommended; particularly up-gradient of the flow path and along its length.
2. Stabilize remaining sediments with plugs and seed mix. All plantings should be covered with a light coating of weed-free mulch.
3. Plugs should be installed in critical areas along the streambank and flow paths. Stabilizing the channel is a high priority.
4. Install silt socks and/or logs to break up flows especially near the brook.
5. Sediments that lie under Mountain Laurel and cannot be planted should be stabilized with coarser weed free mulch such as wood chips (minimum 3" in depth).
6. On upper slopes and at the lower edge install plugs of White Wood Aster (*Eurybia divaricatus*) and Stout Wood Reedgrass (*Cinna arundinacea*).
7. Jute-netting will be necessary to stabilize areas of concentrated flow.

Sediment Deposition Area 5 (5800 ± sf) is similar to Area 4. There are also sediments across the stream. Overall, the area is 50% vegetated in the herb layer. Therefore sediment removal is recommended; particularly upgradient of flow paths. The following measures should be implemented:

1. Stabilize remaining sediments with plugs. Plugs should be installed in critical areas along the streambank and flow paths.
2. A coarser mulch (minimum 3" depth) such as wood chips should be used under Mountain Laurel on upper slopes.

3. At the lower edge install plugs of White Wood Aster (*Eurybia divaricatus*) and Stout Wood Reedgrass (*Cinna arundinacea*).
4. Install silt socks and/or logs to break up flows especially near the brook.
5. Jute-netting will be necessary to stabilize areas of concentrated flow.

Sediment Deposition Area 6 (1000 ± sf) is a steeper, linear drainage swale vegetated with Mountain Laurel. Minor remaining sediment is trapped behind stones and roots. Above the swale is an area of unvegetated shallow sediments. These sediments should be stabilized by hydroseeding with New England Wildlife/Conservation Mix or equivalent.

Please also note we recommend the following additional measures:

1. In order to prevent further erosion and deposition the basins and outlets need to be cleaned out and finalized. The splashpads at the outlets may need to be expanded to tie into flatter grades. Where there are eroding gullies they should be repaired/stabilized and vegetated. In consultation with your civil engineer, you should consider additional energy dissipation at the outlets.
2. The silt fence downslope of the northern basin has retained standing water. The fence should be breached to allow that water to drain.
3. Sediments retained behind the silt fences immediately adjacent to the work area should be raked out and seeded.

These measures should all be completed between August 15 and September 30. Seed and plugs installed between August 15 and September 1 may require irrigation.

Please feel free to call me if you have any questions regarding our recommendations or if you require further assistance in this matter.

Yours truly,



Michael S. Klein, Principal
Soil Scientist
Professional Wetland Scientist

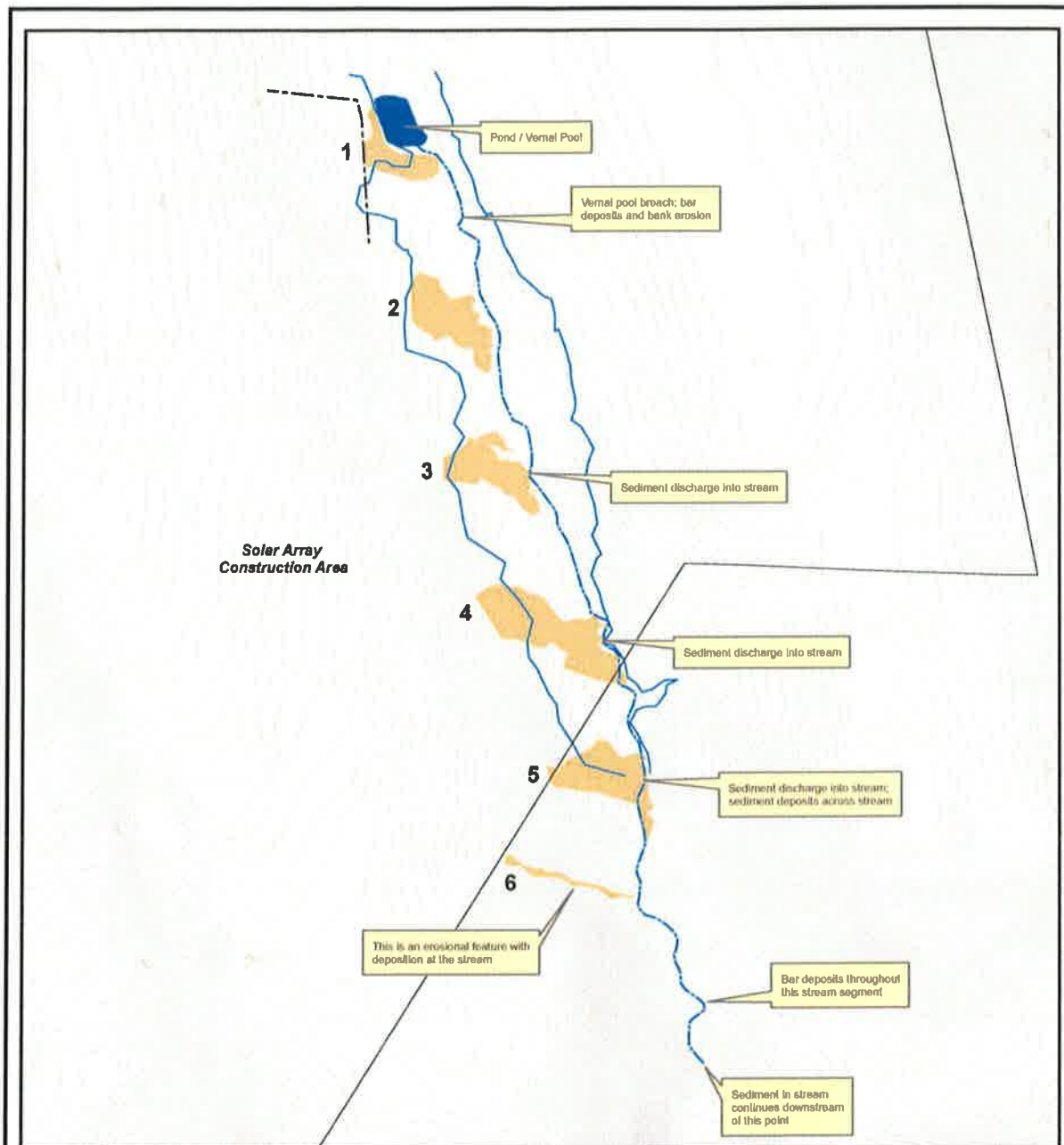








FIGURE 1
 Extent of Sediment
 Antares Solar Farm
 East Lyme

Legend

-  Sediment Discharge Locations 1-6
 (extent recorded using GPS on 4-11-14)
-  Stream
-  Existing Contours (2000 LIDAR data)
-  Wetland Boundary
-  Site Boundary
-  Existing Woods Road to be Extended Along Contour

SCALE

0 150 300 Feet



Environmental Planning Services
 89 Belknap Road
 West Hartford, CT 06117
 860-236-1578
 www.epsect.com



Sediment Deposition Area 1 with minor unvegetated sediment



Sediment Deposition Area 2 with partially unvegetated sediment



Sediment Deposition Area 2 with well vegetated sediment



Sediment Deposition Area 3, flow path with deeper partially vegetated sediment



Sediment Deposition Area 3 with well vegetated sediment



Sediment Deposition Area 4 with unvegetated flow path at edge of Mountain Laurel



Sediment Deposition Area 4 with partially vegetated flow path below Mountain Laurel



Sediment Deposition Area 5 with partially vegetated sediment in flow path



Sediment Deposition Area 5 unvegetated sediment across stream



Unvegetated sediment upgradient of Sediment Deposition Area 6



I.W. Agent Approvals Report

Report Date Range:

6/1/14 - 8/14/14

Permitted Activity

Fee Paid

Gary A. Goeschel II, Agent

1	PermitNo 14-17 Issued 6/17/2014	22 Grantee: MANGALA SOUPHONH & CHANTHANA	ATWOOD DR	The construction of an 8-ft x 8-ft shed	
2	PermitNo 14-15 Issued 6/17/2014	10 Grantee: H&J Master, LLC c/o Hong Yu	S BEECHWOOD RD	Construction of a 32'x21' Deck.	\$160.00
3	PermitNo 14-19 Issued 6/27/2014	7 Grantee: LUCAS LESLIE & MAZZONE MICHAEL	OSWGTCHIE HLS RD	Construction of a 12'x22' Deck	\$160.00
4	PermitNo 14-18 Issued 6/27/2014	3 Grantee: NEVILLE JACQUELINE &	UPPER PATTAGANSETT RD	Construction of a 10-foot x 12-foot portable shed, associated removal of vegetation and grading.	\$160.00
5	PermitNo 14-20 Issued 7/7/2014	21 Grantee: DONOVAN CYNTHIA C TR &	RIDGE TR BPBC	20'x8'-Concrete patio under an existing deck and steps, generator, and associated propane tanks.	\$160.00
6	PermitNo 14-21 Issued 7/11/2014	1 Grantee: QPO Properties	DARROWS RIDGE RD	Installation of underground utilities and associated excavation and backfilling.	\$160.00
7	PermitNo 14-22 Issued 8/4/2014	12 Grantee: COMO THOMAS N & REBECCA L	BOBWHITE LN	Proposed 20-ft by 30-ft addition and patio.	\$160.00

Attachment IWA 8/11/14 submitted