



TOWN OF PALMER CONSERVATION COMMISSION

Meeting Minutes

Tuesday, April 17th, 2018 – 6:30 PM

LOCATION: Town Administrative Building Meeting Room

Donald Blais, Chair
David Cotter, Vice Chair
Peter Izyk
Nicholas Zeo
Brenda Cole

Angela Panaccione, Agent

Members Present: Donald Blais, Jr.
David Cotter
Peter Izyk
Nicholas Zeo
Brenda Cole
Angela Panaccione, Conservation Agent

Also Present: Brian Nunes, Sherwood Lumber
Ray Lavoie, GPI Consultants Inc
Justin Kasunich, NexAmp
Ethan Giles, NexAmp
Jeffery Cunningham, 385 Shearer Street
David Callahan, Palmer Paving Corp
Mike Shea, Palmer Paving Corp
Jim Hunter, JJC Materials, Inc
Mark Campbell
Donald Frydryk, Sherman & Frydryk
Steve Long, Borrego Solar

1. **Call to Order:** 6:32 PM – Donald Blais, Jr (Chair)

2. **Chair, Member & Committee Reports:** None

3. **Review Phone/Mail/Email Messages:**

- a. **Immediate Response Action Completion Report Noonan Energy Bulk Terminal No. 2 Fuel Oil Release – 33 Foundry Street:** On January 31, 2018 at around 9:55 AM, a Noonan Energy truck driver was filling the ASTs at the Palmer Bulk Terminal with No. 2 fuel oil. The gauge for the ASTs appears to have been faulty and read lower than the quantity in the tanks. Having used the gauge to anticipate when the tanks were full, the driver thus accidentally overfilled the tanks, and fuel oil overflowed out of the large diameter emergency vents at the top of three interconnected ASTs. This incident resulted in approximately 400 gallons of fuel oil spilling into the concrete secondary containment area with an unknown amount splashing outside of the containment area and impacting the ground surface (soil) adjacent to the southeastern edge of the containment area.

At approximately 11:05 AM that same day, Noonan Energy provided verbal notification of the release to the Massachusetts Department of Environmental Protection (MassDEP) who subsequently issued Release Tracking Number (RTN) 1-20454 to the incident. A Notice of Responsibility (NOR) was issued by MassDEP to Noonan Energy Corporation on February 1, 2018. Noonan Energy submitted a Release Notification Form (RNF) (BWSC-103) to MassDEP on February 20, 2018.

The release area consists of the concrete surface of the secondary containment area and an approximate 100 square-foot area of impacted soil to the southeast of the secondary containment area. The Latitude and Longitude coordinates for release area are 42.15794 North and 72.33250 West, respectfully. The release area is bounded by a vegetated strip and rail lines to the northeast and east, paved areas to the

north, west, and south, and grass to the southeast. Access to the release site is via North Main Street, across train tracks along Foundry Street, at a dead end at the Noonan Bulk Terminal facility. According to the Massachusetts Geographic Information System (MassGIS), FEMA, and NHESP, the site is located within a non-potential drinking water source medium yield aquifer. There are natural resource areas as listed in the MCP requirements under 310 CMR 40.0483 (1a), located within 500-feet of the Site. While there is no Estimated Habitat of Rare Wildlife nor Priority Habitat of Rare Species, the Quabaog River and MassDEP-established wetlands are approximately 375 feet to the west.

- b. Request for Comments Special Permit – Water Supply Protection District: L12 Breckenridge St (Map 7 Lots 12 & 13): The Palmer Conservation Commission has reviewed the submission for large-scale solar project – Water Supply Protection District Special Permit for the property located at L12 Breckenridge Street. This parcel falls within the Primary & Secondary Recharge area and therefore falls under the requirements of the per section 171-69 J., Since a portion of the parcels targeted for development contain wetland resource areas, on February 1, 2018 the Applicant filed a Notice of Intent (NOI) with the Commission for the project.

The project as currently proposed is located in close proximity to Wetland Resource Areas (e.g., wetland, marsh, stream, vernal pool, bank, lake) and the Riverfront Area (land within 200 feet of the bank of a year-round flowing stream or river) of Graves Brook; a designated Outstanding Water Resource (OWR) & Cold Water Fisheries Resource (CFR) designated by the Department of Fish & Game. The Commission conducted an initial site inspection to verify the resource area delineations on April 13, 2018.

The Commissions Concerns/Recommendations are as follows:

1. Coldwater fisheries resources are highly susceptible to changes in water quality and/or quantity such as siltation and run-off, water level fluctuations, loss of riparian habitat, stream fragmentation and alterations of the temperature regime. Additionally, surveys conducted by the Division of Fisheries and Wildlife have shown the importance of coldwater tributaries in helping maintain the coldwater status of their receiving waters. Therefore, the project must not in any way diminish the ability of the brook to support coldwater fish species.

Per DEP's stormwater management standards for critical areas such as coldwater fisheries resources, BMPs are required that assure no untreated or warmwater runoff from impervious surfaces directly enters these resources. Recent studies have shown that stormwater BMPs that allow standing, surface water function as "heat sinks" in summer and lose heat in winter. As such, retention and detention ponds, vegetated swales and hydrodynamic separators have little value as stormwater BMPs in the vicinity of coldwater resources.

Please note in the current Stormwater Report the Applicant states the site does not contribute stormwater to a critical area. Both Standard 4 & 6 should be revised to reflect the critical areas of both a CFR and a OWR.

2. The Massachusetts Drinking Water Regulations, 310 CMR 22.21(1) and 22.21(3)(b), require activities in the Zone I to be limited to those directly related to the provision of public drinking water or that will have no significant adverse impact on water quality. Lands that are under the control of public water systems have been identified as the most critical to protect public drinking water reservoirs and wells. In addition, these lands may be the future sites for new or replacement public water system sources and this should be taken into account when permitting Solar in a Zone I. The Commission recommend the applicant provide a narrative detailing how the land clearing will have no significant adverse impact on water quality
3. The Conservation Commission would like to know how the proposed project has been designed to capture and treat stormwater from the proposed project; provide groundwater recharge to the greatest extent practicable in conformance with the MassDEP groundwater recharge criteria, and what efforts

are being made to control soil erosion and sedimentation, soil compaction during construction and minimize runoff from the post-developed conditions at the site.

4. Since the stormwater discharges are within an Aquifer protection Zone, the Commission would recommend the use of specific source controls and pollution prevention measures specified for critical area discharges. Stormwater systems that have been found to be most protective of these resources are subsurface, infiltration, gravel wetland and bioretention. Ideally, a chain of coldwater BMPs (e.g., bioretention to gravel wetland to an infiltration system) with deep infiltration and filtration capabilities will cool the stormwater to ground temperature in both summer and winter thereby providing the most effective long-term protection of the coldwater resources. The current Stormwater Management Plan as submitted for review does not clearly identify the critical areas on or near the site.
5. The Commission would recommend the applicant apply the principles of Environmentally Sensitive Site Design and Low Impact Development (LID) Techniques (310 CMR 10.04) in the design and monitoring of stormwater controls (during both construction and post-construction); as specified in MADEP Solar Policy 17-1.
6. As specified in MADEP Solar Policy 17-1: The Stormwater Management Standards contained at 310 CMR 10.05(6)(k) apply to PVS projects. The stormwater standards include: attenuation of peak rates of runoff caused by land development (310 CMR 10.05(6)(k)2), provision of recharge (310 CMR 10.05(6)(k)3), control of Total Suspended Solids (TSS) from impervious surfaces (excluding solar panels) (310 CMR 10.05(6)(k)4), and the provision of adequate erosion and sedimentation controls (310 CMR 10.05(6)(k)8).
 - Solar projects within the Buffer Zone or other jurisdictional area should endeavor to utilize Low Impact Development techniques and will receive credit for Environmentally Sensitive Site Design when LID is incorporated pursuant to the “Minimum Criteria for Credit” from Volume 3, Chapter 1 of the Massachusetts Stormwater Handbook.
 - DEP recommends the measures below to control the peak runoff rate, provide recharge, and treat TSS, provided the following are also met (note: the Applicant may provide documentation for consideration demonstrating that the peak rate of runoff, recharge, and TSS treatment requirements are still met in cases where the factors below are not met):
 - slopes on which the PVS arrays are placed are not greater than 3:1 (180 or 33.5% slope), naturally or as graded;
 - an erosion control plan is developed and implemented which prevents direct discharges to wetlands and which grade the project site to avoid or minimize channelized stormwater flow from the Buffer Zone directly into wetland resource areas;
 - land disturbance and grading is conducted in a phased and selective manner (i.e. avoid, if possible, or minimize clearing the entire site at one time in order to minimize soil mobilization and the amount of soil exposure at any one time to reduce construction period runoff), or other appropriate construction best management practices are incorporated to preclude construction period runoff/erosion. Provide temporary land stabilization measures for all disturbed surfaces such as mulching until permanent native vegetative cover is established, and utilize temporary sedimentation basins as appropriate
 - construction and post-construction phase stormwater management plans include sub-catchments under the PVS arrays which include stormwater BMPs such as infiltration trenches, water bar/log bars, and natural vegetative cover consisting solely of native grass and plant species (note: the extent of stormwater BMPs required will depend largely on the existing cover type as compared to the proposed cover type. In some instances, BMPs may not be necessary, where the proposed cover type represents an improvement over existing conditions);
 - top soil is preserved or supplemented sufficient to maintain vegetation cover;

- solar panel rows are spaced in a manner to allow sunlight penetration sufficient to support vegetation between the solar panel rows;
- where panel rows follow the slope (i.e. the panel arrays are constructed down, rather than across, a slope) provide intermittent gaps between adjacent panels sufficient to accommodate anticipated runoff so that runoff occurs from individual panels rather than from the length of the entire array;
- panel drip edges (or leading edge of panels) are no greater than 10-feet above the ground surface;
- no conveyances or outfalls are constructed; and
- no work is proposed in a buffer zone of Resource Areas that borders a Critical Area, as defined at 314 CMR 9.02, or in the estimated habitat identified on the most recent Estimated Habitat Map of State Listed Rare Species prepared by the Natural Heritage and Endangered Species Program.

4. **Public Inquiries:** None

5. **Approval of Minutes:**

a. April 3, 2018

Motion made by Brenda Cole to approve the minutes from April 3, 2018 as amended

Motion seconded by Nicholas Zeo

No further discussion – 5-0-0 – Motion Carries

6. **Approval of Payables:**

a. Roberts Payable – Large Map Printing

Motion made by David Cotter to approve the payable to Roberts Printing, in the amount of \$28.00, for the printing of a large scale map of stormwater outfalls in town

Motion seconded by Nicholas Zeo

No further discussion – 5-0-0 – Motion Carries

7. **Signing of Documents (DOA, OOC, COC, Ext, Etc.):**

- a. Ratify Emergency Permit Palmer DPW – Main Street Thorndike Bridge #P-01-015: Work shall include the emergency repair of a hole in the Bridge. The damaged area is to be sawcut out, remove rebar, chip deteriorated area to semi-sound concrete in order to install temporary patching material (estimated 6-foot X 6-foot), form repair area, install rebar, pour concrete from MADOT approved list w/ peastone. The Bridge is located within NHESP Priority Habitat but is exempt under 321 CMR 10.14(12).

Special Conditions Include:

- 1) All work (pavement repair) will be conducted from the deck of the bridge, within the existing bridge right-of-way
- 2) No work is allowed outside of the paved bridge ROW. No work is permitted from under the bridge
- 3) There will be no staging or stockpiling of materials outside of the road ROW,
- 4) All disturbed road shoulders are stabilized within 72 hours of completion of the resurfacing
- 5) No work on the drainage system is permitted and catch basin inlets must be protected,
- 6) No other adjustments and/or repairs to respective structures within the roadway are permitted outside the patching of the hole

Motion made by David Cotter to ratify the Emergency Permit for the Main Street Thorndike Bridge #P-01-015 issued to Palmer DPW on April 9, 2018

Motion seconded by Peter Izyk

No further discussion – 5-0-0 – Motion Carries

8. Schedule of Public Hearings:

- a. ANRAD DEP #256-0329: Cunningham & Associates, LLC – 358 Shearer Street (Map 13-68) AKA Icehouse: The applicant has submitted an Abbreviated Notice of Resource Area Delineation to confirm the precise boundaries of jurisdictional resource areas, which have been delineated at 358 Shearer Street. No work is proposed as part of this application.

Chairman Donald Blais, Jr, called the public hearing on the ANRAD to order at 7:10pm. No public or abutters were present.

Peragallo presented the delineation plan entitled Wetland Flag Locations, 358 Shearer Street, Palmer, MA, prepared by Graves Engineering, Inc., revised 4/16/2018 was submitted and depicts the Site and the location of the Wetland Resource Area boundaries and changes identified during the site visit conducted on Friday April 13, 2017 at 10am. One section of Wetlands flags were removed due to non-hydric soils.

The following Findings of Facts and determination was presented by the Agent to the Commission:

1.Bordering Vegetated Wetland (310 CMR 10.55): An early-successional forested wetland borders portions of “Ice House Pond.” The sparse canopy contains individuals of maturing red maple and eastern white pine trees. The shrub understory contains individual saplings of red maple and choke cherry, with shrub patches of speckled alder and individuals of highbush blueberry (*Vaccinium corymbosum*). Groundcover species contain patches of sensitive fern (*Onoclea sensibilis*), rough-stemmed goldenrod (*Solidago rugosa*), sweet goldenrod (*Solidago adora*), tussock sedge (*Carix stricta*), soft rush (*Juncus effusus*), cinnamon fern (*Osmunda cinnamomea*), and eastern joe-pye weed (*Eupatorium dubius*).

Soil conditions within the BVW and generally observed a 12-inch-thick, fine sandy loam topsoil (A horizon) with a soil matrix color of 10YR 2/1 and redox concentrations and depletions, within 7 inches. The topsoil is underlain by a loamy fine sand subsoil (Bw horizon), with a soil matrix color of 10YR 4/3 and redox concentrations and depletions. This soil meets the criteria for Hydric Soil Indicator F6-Redox Dark Surface.

Evidence of wetland hydrology, including hydric soils, high groundwater, saturated soils, and pore linings, was observed within the delineated wetland.

This Order confirms the wetland boundaries for Wetlands A delineated by wetlands flags A-1 through A-39

This Order DOES NOT CONFIRM the wetland boundaries for any existing Wetlands East of wetlands flags A-1, that were not delineated as part of the ANRAD application

2.Inland Bank (310 CMR 10.54): The Top of Bank to “Ice House Pond” is shown on the site plan as flags labeled “TOB-1” through “TOB-39”.

An unnamed perennial stream flows westerly, originating at a drop inlet in the southwestern end of “Ice House Pond.” From the drop inlet, water flows through a 4 foot± diameter CMP culvert that extends beneath the I-90 ramp for 237± linear feet. The culvert daylight on the western toe-slope of the I-90 ramp and the Top of Bank is delineated based on the Mean Annual High Water Limit (MAHWL) of the unnamed perennial stream as shown on the site plan and labeled “TOB-100” through “TOB-106.”

This Order confirms the bank boundaries for “Ice House Pond” as delineated by flags “TOB-1 through TOB-44”

This Order DOES NOT CONFIRM the bank boundaries for “Ice House Pond” East of Top of Bank flag TOB-1, which were not delineated as part of the ANRAD application

This Order confirms the bank boundaries for Top of Bank to the unnamed perennial stream as shown on the site plan and labeled TOB-100 through TOB-106.

This Order confirms that bank boundaries for the buried unnamed perennial stream exist, and originate at a drop inlet in the southwestern end of “Ice House Pond.” The bank of the stream between TOB-44 and TOB-100 was neither identified nor confirmed in the field, but is comprised

of a 4 foot± diameter 237± linear foot CMP culvert that extends beneath the I-90 ramp and is inaccessible. The Bank resource area and its corresponding buffer zone exist in the form of the culvert itself, but the precise location of the bank of the buried stream is not confirmed as part of this delineation.

3.Bordering Land Subject to Flooding (310 CMR 10.57): According to the July 16, 2013 Federal Emergency Management Agency Flood Insurance Rate Map for Hampden County, Massachusetts (Community Panel No: 25013C0262E), the majority of the site, except for the Pond, is located within Zone X: Areas determined to be outside the 0.2% annual chance floodplain. The Pond and a narrow fringe around the Pond is classified as Zone X: Areas of 0.02% chance annual flood; areas of 1% chance annual flood with average depths of less than 1 foot or with drainage areas less than 1 square mile; and areas protected by levees from the 1% annual chance flood.

This Order confirms the BLSF boundaries for the “Ice House Pond” as shown on the site plan and labeled FEMA Zone X boundaries as traced from the Flood Insurance Rate Map (FIRM) #25013C0262E effective July 16, 2013.

4.Land under Water Bodies and Waterways (310 CMR 10.56): Land under Water Bodies and Waterways is the land beneath any creek, river, stream, pond or lake. Said land may be composed of organic muck or peat, fine sediments, rocks or bedrock [310 CMR 10.56 (2) (a)]. The term "water body" shall mean any creek, ocean or land subject to tidal action, lake, pond, river, estuary, or stream, whether intermittent or not, man-made or natural [Bylaw Section 3.B.(2)].

This Order confirms the Land under Water Bodies and Waterways exists as associated with “Ice House Pond”.

This Order confirms the Land under Water Bodies and Waterways exists within the culvert of the buried stream, but the precise location of the LUWB of the buried stream is not confirmed as part of this delineation.

5.Riverfront Area (310 CMR 10.58): An unnamed perennial stream flows westerly, originating at a drop inlet in the southwestern end of “Ice House Pond.” From the drop inlet, water flows through a 4 foot± diameter culvert that extends beneath the I-90 ramp for 237± linear feet. The culvert daylights on the western toe-slope of the I-90 ramp and the Top of Bank to the unnamed perennial stream is shown on the site plan and labeled “TOB-100” through “TOB-106.” The 200-foot Riverfront Area associated with the unnamed perennial stream does not extend onto the Site. As noted above, Bank to this perennial stream has been included in the Application to confirm that Riverfront Area does not extend onto the Site. The Riverfront Area is based on the MAHWL delineated under 310 CMR 10.58(2)(a)2.a. Two characteristics were used: changes in bank materials & bank undercuts.

This Order confirms that the existing culvert shown on the site plan meets the requirements of Section 10.58(2)(a)3 of 310 CMR 10.00 (Wetlands Protect Act) specifically: "Where a river runs through a culvert more than 200 feet in length, the Riverfront Area stops at a perpendicular line at the upstream end of the culvert and resumes at the downstream end". The culvert in question is approximately 273 feet in length.

This Order confirms that the Riverfront Area does not extend onto the Project Site

6.Wildlife Habitat (310 CMR 10.60): The Regulations require that no project may be permitted that will have any adverse effect on specified habitat sites of rare vertebrate or invertebrate species, as identified by procedures set forth at 310 CMR 10.59. Based upon a review of the *Massachusetts Natural Heritage Atlas*, 14th edition, Priority Habitats and Estimated Habitats, Palmer Quadrangle, valid from August 1, 2017, the site is not located within an Estimated Habitat or a Priority Habitat and there are no Certified Vernal Pools on or in the immediate vicinity of the site.

Motion made by Nicholas Zeo to close the Public Hearing at 7:35pm

Motion was seconded by Peter Izyk

No further discussion – 5-0-0 – Motion Carries

Motion made by Brenda Cole to issue the Order of Resource Area Delineations as aforementioned above by the Agent

Motion was seconded by Nicholas Zeo

No further discussion – 5-0-0 – Motion Carries

- b. Request for Determination (RDA): 271 Breckenridge Street (Map 19 Lots 60, 61 & 62) – Borrego Solar: The applicant has submitted a Request for Determination to confirm the precise boundaries of jurisdictional resource areas delineated at 271 Breckenridge Street and to determine if the work associated with the installation of a 6.4 MW Solar Array is subject to the WPA & PWO.

Motion made by Nicholas Zeo to accept the withdrawal of the RDA filed by Borrego Solar
Motion was seconded by David Cotter
No further discussion – 5-0-0 – Motion Carries

- c. Notice of Intent (NOI) DEP #256-0331: 271 Breckenridge Street (Map 19-60, 61 & 62) – Borrego Solar: The applicant has submitted a Notice of Intent for a 6.4 MW Solar Array where the work associated with the installation of it is subject to the WPA & PWO.

Chairman Donald Blais, Jr called the public hearing on the NOI to order at 7:38pm. Steve Long of Borrego Solar was present.

The project as currently proposed is located outside of all resource areas and does not propose any buffer zone disturbance, but due to the Commissions concerns with the accuracy of the wetlands delineation on site as well as the presence of potential vernal pools on site the applicant elected to withdraw their previous Request for Determination (RDA) filing and proceed with an NOI instead.

Steve Long, of Borrego Solar was present and presented the revised project to the Commission. The amount of tree clearing has been reduced by approximately nine (9) acres.

A full Commission site visit was conducted on Friday April 13, 2018 at 12:00pm. During that walk it was determined that the Isolated Vegetated Wetland, at the west end of the property, behind the existing house, was incorrectly delineated. There are hydraulic connections to areas to the north creating a Bordering Vegetated Wetland. The extent of the additional wetlands was shown on a revised site plan. This plan also shows a potential relocation of the proposed road to the north.

The Commission discussed option on how to proceed with Long, including:

- Proceed with a Notice of Intent leaving the road as it was permitted by the Planning Board. Fill a small portion of the wetland area. Create a replication area equal to twice the fill area.
- Proceed with a Notice of Intent moving the road to the north approximately 10 feet to avoid the wetlands. Ask for a waiver to clear in the “50-Foot No Disturb Zone”. Get a determination from the Planning Board as to whether this is a minor modification to the approval or would require a public hearing.

The Agent also requested a dewatering plan for the possible drywell/water hole that is located on the side of the driveway, on the side of the existing house.

Motion made by David Cotter to continue the Public Hearing until Tuesday May 1, 2018 at 7:00pm

Motion was seconded by Nicholas Zeo
No further discussion – 5-0-0 – Motion Carries

- d. Notice of Intent (NOI) DEP #256-0332: L12 Breckenridge Street (Map 7-12, 7-13 & 59-28) – NexAmp d.b.a Palmer Breckenridge Solar, LLC: The applicant has submitted a Notice of Intent for a 6.4 MW Solar Array where the work associated with the installation of it is subject to the WPA & PWO. Brenda Cole recused herself from the proceedings as an abutter to the project.

Donald Blais Jr opened the Public hearing and the Applicants Justin Kasunich & Ethan Giles, of NexAmp were present as well as the property owners David Callahan & Mike Shea, of Palmer Paving Corp, Jim Hunter from JJC Materials, Inc, and Mark Campbell. Their consultant, Donald Frydryk, of Sherman & Frydryk was also present at the hearing.

Donald Frydryk began by reviewing the site plan and the proposed project with the Commission. The Applicant (NexAmp) proposes to construct a 5.71 MW ground mounted solar photovoltaic array for electricity generation. An existing 25-foot wide paved haul road and 15-foot proposed gravel access drive is provided for site construction and maintenance. A minimum 100-foot wide vegetated buffer will be established along the perimeter of the parcel. The hillside slopes will be smoothed and stabilized with ground cover within the array enclosure and maintained as meadow. The drip line of the panels will be stabilized with placement of loose straw and the hillside slopes will be stabilized with rows of fiber rolls. The project will not export earth materials from the site. The work will include placement of a 7-foot chain link fence to enclose the array with gates at all entrances.

The proposed development will utilize underground power and communications lines from the array along the gravel access and existing paved haul road to the interconnection poles. As shown on the site plan, there is a vegetated wetland bordering both sides of the existing paved haul road that accesses the main area of the property. The Palmer Reservoir discharge and associated rivers area is also delineated on the plans. The disturbance proposed within the buffer zone to the bordering vegetated wetland and rivers area consists of selective vegetation trimming and the trenching of the underground power line within the existing pavement area. All disturbances will be stabilized with ground cover.

This project will include the construction of temporary sediment basins as required during the solar array installation. The project will establish a permanent native vegetative cover across the site. The drip line of the panels will be stabilized with placement of loose straw and the slopes will be stabilized with periodic fiber rolls parallel to the contours until the groundcover is established. The erosion controls and native vegetative cover are designed to meet the required stormwater management requirements.

The total area within the 100 foot buffer on the property is approximately 282,960 square feet. The proposed work will include a total of approximately 50,570 square feet of disturbance in the 100-foot buffer zone to the wetlands during the process of constructing the solar array. No disturbance will take place within 50 feet of the wetland limit. All areas of disturbance will be stabilized and maintained as a meadow, or gravel access driveway.

This project qualifies for a redevelopment project since portions of the lot were disturbed prior to the Rivers Protection Act. An "evaluation of 10.58(5) Redevelopment Projects" is attached to the end of this narrative.

The proposed project will include approximately 5,662 square feet of disturbance within the 200-foot outer riparian zone. The disturbance will result from placing erosion controls at the limit of proposed work, vegetation clearing within the paved roadway and excavating for the underground power conduit, final grading, and loam and seeding of disturbed areas.

The applicant shall restore 2,200 square feet of the existing paved road within the riverfront area. The restoration will include the placement of 2 inches of loam on the conduit trench and seed with a natural conservation seed mix. The restoration area shall be contained with a wattle barrier during the restoration work.

Mitigating measures for this project include the installation of fiber rolls as shown on the plan and details. The erosion controls shall be installed downhill of the proposed development area to provide sediment removal. All disturbed areas shall be loamed and seeded. All slopes greater than 4 to 1 shall be mulched.

Erosion controls shall be installed prior to any disturbance on the site. Erosion controls shall be maintained until the Palmer Conservation Commission approves removal of the controls.

A Site visit is scheduled for Friday 4/27/2018 at 2:00 pm

The Agent brought up the DEP File # Letter received April 4, 2018, from Mark Stinson MADEP. The letter stated that although a file # is being issued, please note the following:

1. The parties should review the DEP Solar Policy 17-1. <https://www.mass.gov/guides/massdep-wetlands-program-policy-17-1-photovoltaic-system-solar-array-review>
2. The applicant needs to document on the plan what specific area in the Riverfront was degraded in 1996 and is still degraded.
3. The submitted narrative for showing compliance for Riverfront Redevelopment is confusing in that it is not clear what is the improvement over existing conditions (310 CMR 10.58(5)(a) and if any restoration [310 CMR 10.58(5)(f)] or mitigation [310 CMR 10.58(5)(g)] is required.

Donald Frydryk provided the following response to DEP comments received for the above referenced project:

1. We have reviewed the DEP Solar Policy and believe we comply with this policy to the extent applicable to this project.
2. We have attached information regarding the existing entrance to this project as follows:
 - a. A copy of the 9/12/2017 Google Earth photo showing the current entrance/paved area.
 - b. A copy of a 4/29/1997 aerial photo available from Google Earth showing the entrance to the site as of that date. The photo shows a very similar entrance to the current day entrance.
 - c. Although the above photo does not show the degraded area prior to August 7, 1996, we were unable to obtain any existing aerial photos that clearly showed that site prior to this date. We have attached a recorded property line plan from 1980 that shows the entrance to the site as a paved access road as of 7/22/1980. Based on our knowledge of the site and the above photos and plans, we believe the current degraded area was in existence on August 7, 1996.
3. The proposed work is all within the limit of the existing pavement. Proposed trenching for installation of electrical conduits will be accomplished by removing pavement along the existing edge of pavement and stabilizing the surface with loam and seed, thereby reducing the amount of impervious surface within the rivers area. There will be no expansion of degraded area within the riverfront and no work is proposed closer to the riverfront boundary than existing degraded area. As such, we do not believe any restoration or mitigation is required.

The Agent informed the Commission she has not had a sufficient chance to thoroughly review the information herself and request the Commission continue the hearing. She did state some initial concerns about the proximity of work to both an Outstanding Water Resource (OWR) and a Cold Water Fisheries Resource (CFR). The Applicants agreed to the continuance to allow the Commission to conduct a site inspection and provide the Agent with more time to review the filing.

Motion made by David Cotter to continue the Public Hearing until Tuesday May 1, 2018 at 7:00pm

Motion was seconded by Nicholas Zeo

No further discussion – 4-0-0 – Motion Carries (BC abstains as abutter)

9. Project Monitoring

10. Violations & Enforcement

- a. DEP #256-0309: Boston Rd Solar: A site visit is scheduled for Friday 4/27/2018 at 1:00pm. The Commission will look at required repairs to the Stormwater System.

- b. DEP #256-0327: Sherwood Lumber Replication: The Agent conducted a site visit today with Ray Lavoie. Not much work on site has occurred since our last meeting. Ray provided Brian with SWPPP program and it has been adopted to protect resource areas. They need to police the area and has program in place. They already mitigated the snow removal process so it is no longer plowed to the River. Brian has also implemented a trash removal process on site and they now have several dumpsters on site. They are cleaning debris around the perimeter of the property. Now doing monthly inspections.

There is still no evidence of growth in hydroseeded areas, so Northern is coming back next week to fix rivulets in Basin & Comp Storage Area and re-hydroseed it.

Brian Nunes read up on SWPPP, Ray asked Northern for SWPPP and they said they don't have it and they don't need it. They have no cooperation from Northern, asked repeatedly and not produced it. The Agent will look into construction SWPPP with Northern.

The Commission discussed taking jurisdiction of the entire site under 10.05(4)(d): that construction activities occurring outside the Areas Subject to Protection under M.G.L. c. 131, § 40 and outside the Buffer Zone have in fact altered several Areas Subject to Protection under M.G.L.c. 131, § 40 including BVW (10.55), BLSF (10.57) & RFA (10.58). is now imposing the following conditions on the entire project site as are necessary to contribute to the protection of the interests identified in M.G.L.c. 131, § 40. (Per 310 CMR 10.05(4)(d): Notwithstanding the foregoing, when the issuing authority has determined that an activity outside the Areas Subject to Protection under M.G.L. c. 131, § 40 and outside the Buffer Zone has in fact altered an Area Subject to Protection under M.G.L. c. 131, § 40, it may require such plans, supporting calculations and other documentation as are necessary to describe the entire activity)

The Commission discussed the following requirements with Ray Lavoie:

- 1) **As required in Special Conditions #59 & 60: All exposed soils and other fills shall be permanently stabilized at the earliest practicable date.** Within 30 days of final grading, (or within 30 calendar days after the commencement of the following growing season if the project is completed after October 31st), all disturbed areas shall be permanently stabilized with rapidly growing cover and a minimum of 4 to 6 inches of organic topsoil, if necessary and a USDA, Natural Resources Conservation Service-approved seed mixture should be used in accordance with the measures outlined in "Vegetative Practices in Site Development: Massachusetts Conservation Guide, Volume II," or other acceptable stabilization method to assure long-term stabilization of disturbed areas. Vegetation on site needs to be established ASAP; especially in the Compensatory Storage Area and in the detention basin on Third Street. The area will need to be re-hydro seeded within the next week (By April 27th) and please contact me as soon as this is complete for a follow up inspection. The Compensatory Storage Area and the detention basin will also need to be repaired to remove the rivulets and stop further erosion.
- 2) **Seasonal Replication Area Monitoring Report** by June 5th per Special Condition #53: Seasonal monitoring reports shall be prepared for each wetland replication area. Monitoring reports shall describe, using narratives, plans, and color photographs, the physical characteristics of the wetland replication areas with respect to stability, soil characteristics, survival of vegetation and plant mortality, aerial extent and distribution, species diversity and vertical stratification (i.e. herb, shrub and tree layers). A total of four monitoring reports for each replication area shall be submitted over a two year period. Monitoring report requirements shall include the following:
 - Identification of all plant species present
 - Quantity installed and total mortality of each target plant species
 - Percent cover for each plant species and overall percent cover for replication area
 - Description of health and vigor of installed target species as well as volunteer plant species within the replication areas

- Changes in site conditions including topography, such as erosion, gullies, shifting or accretion of sediment, and hydrology, such as ponding, damming, breaches or other observed changes in water levels
 - Condition of perimeter controls (such as goose fence) and erosion controls
 - Evidence of pests, disease and invasive plant species
 - If invasive plant species are identified in replication areas, measure and map approximate area of establishment for each species
 - Photo documentation with date and time stamped photos
 - Visual observations of fauna using or in the vicinity of the site at the time of monitoring
- 3) **Annual Stormwater Maintenance Report by June 5th per Special Conditions # 39 & 42:** An annual maintenance report shall be provided to the DPW and the Conservation Commission by June 1st of each year reporting on all the maintenance and operation procedures, **outlined in condition #39** (All construction and post-construction stormwater management shall be conducted in accordance the Department of Environmental Protection Stormwater Management Policy and as approved by the Commission in this Order of Conditions), which have been met for that year. **As part of this report please have the contractor on site submit the required weekly Construction SWPPP Reports and 2017 CGP NOI that should have been submitted to EPA in compliance with the OOC & Stormwater Standard #8** (As stated in the Stormwater Report accompanying the NOI submitted to the Conservation Commission the project is covered by a NPDES Construction General Permit but no SWPPP been submitted. The SWPPP will be submitted BEFORE land disturbance begins). Seeing as this site discharges to sensitive waters (the Swift) **inspections on the site were required to be conducted once every seven (7) calendar days and within 24 hours of the occurrence of a storm event of 0.25 inches or greater**, or the occurrence of runoff from snowmelt sufficient to cause a discharge during construction. Again **Please have the contractor submit the required weekly construction SWPPP reports for the construction period as well as the post construction O&M reports from the past year (Since July 1, 2017).**
- 4) **Maintenance of Riverfront (non-jurisdictional “riverfront” within 200-feet of Swift River) as stated in Finding of Fact J:** Sherwood Lumber Corporation has agreed to improve the water quality benefits of this area by removing debris, trash, and product remnants from this area. This area will then be used as a protected water quality area, to promote treatment of overland runoff from the site. From my site inspections with Ray and the post-construction O&M reports supplied by Brian it is apparent efforts are being made to clean up this area. Several dumpsters are now located throughout the property to assist with trash & debris control. Moving forward efforts should be increased to keep trash and debris out of Comp Storage Area and BVW replication Area.
- 5) **Fix ponding:** The new grade break at the railroad spur extending into the southern parcel reduced the area discharging to the Swift River by approximately 3.93 acres. The west side still discharges to the Swift River but the east side does not appear to be discharging or infiltrating as planned and is instead creating a giant pond in the center of the site. The stormwater runoff should be draining in that area much quicker than it currently is based on soil reports from the NOI. My theory is compaction over the years has slowed the natural infiltration capacities of the site thereby delaying natural infiltration. As discussed in last night’s meeting a curtain drain/French drain system may be needed east of the spur to assist with infiltration. Ray has agreed to develop a proposed drainage system to alleviate the ponding
- 6) **Local Condition for Sherwood Lumber Dust Control Alternative 1B:** Sherwood Lumber agreed to gift/construct a small observation deck and lumber boardwalk on the existing Swift River Greenbelt Trail in the location where water withdrawals occur. This will prevent ground

disturbances and erosion issues during water withdrawal. I will meet Tommy to go over it. I am actually available this afternoon (instead of Monday April 23, 2018 to come down so Tommy can call me at 413-222-4934 or I may just swing by this afternoon).

- 7) **Detention area and Cross Drain under spur by Compensatory Storage Area:** Sheet 15 of the final approved revised plans dated July 10, 2017 specifically removed the small depression and pipe outlet as requested by Mark Stinson, MA DEP. Instead the revised plan expands the low lying floodplain area north of the tracks between elevations 311 and 317. I have attached sheet 15 of both the May 8, 2017 and the July 10, 2017 Site Plan, as well as the Emails between Mark, Lindsey and myself to show that the pipe and depression should not be there. The pipe and the depression (detention area) are now effectively serving as an untreated point source discharge to a wetlands area. Stormwater collecting in the depression is directly draining into the wetland without any treatment. This pipe will need to be removed and the depression restored to the approved grade as shown on the July 10, 2017 plans.

The Agent also drew attention Special Condition #8 which states Sherwood Lumber shall assure that all contractors, subcontractor and other personnel performing the permitted work are fully aware of the permit's terms and conditions. Thereafter, the contractor should be held jointly liable for any violation of this Order resulting from failure to comply with its conditions. Nothing in this paragraph shall limit or restrict the liability of Sherwood Lumber for violations of this order.

Motion by Brenda Cole to take jurisdiction of the entire site under 10.05(4)(d):) that construction activities occurring outside the Areas Subject to Protection under M.G.L. c. 131, § 40 and outside the Buffer Zone have in fact altered several Areas Subject to Protection under M.G.L.c. 131, § 40 including BVW (10.55), BLSF (10.57) & RFA (10.58).

Seconded by Nick Zeo

No further discussion – 5-0-0 – Motion Carries

Sherwood Lumber representatives, as well as Northern Construction and GPI will attend the Commission meeting scheduled for June 5th 2018.

11. New/Old Business

- a. Administration of 2017 MA Trails Grant: SCA Scheduling, Etc: May 3rd site AmeriCorps to Fort River is on 10am. Andy French may not be available. Dave Cotter will have to go, as the Agent cannot because she has stormwater class. Angela & Sarah B will also go to the Boy Scout Troop 164 meeting on Sunday 5/6/2018 to discuss the grant again will Bill Mullin, Jr. Peter Izyk suggested the Agent also reach out to the local Girl Scout troops to see if they want to participate as well.
- b. 2017 MS4 Grant – Dry & Wet weather outfall testing on Quaboag: The Commission received grant funding through the watershed council to conduct dry and wet weather outfall screening along the Quaboag River. Sampling events will begin in July. Did some prelim recon last week, working address access issues, crossing track. Feasible by canoe/kayak. The focus prioritizing 5-10 outfalls on the Quaboag for sampling that are accessible.
- c. Community Wood Bank: some preliminary research into a community wood bank and I think it could really work. There are a lot of logistics we would have to take care of and probably wouldn't get it running till next year but our DPW has already offered to make a large area at the compost pit of Old Warren Road to store the wood and the Breckenridge Solar people think they may be able to donate a few grapple loads (one grapple load is like 10-12 cords) of hardwoods to the program.
- d. Community Rain Barrel Program: The Agent explained the Community Rain Barrel Program the Commission is co-sponsoring with the DPW. Harvesting rain water with a rain barrel can mitigate the

irregular patterns of rainfall”. To help homeowners and the town manage their water supplies Palmer is offering residents the opportunity to buy discounted rain barrels.

Throughout New England, residents depend on infrastructure made in the years following WWII, to supply water to far fewer homes. These infrastructures are now heavily taxed. Leaky pipes and water main breaks are only part of the problem. Storm water runoff creates additional havoc. Capturing and storing water at the home and the use of raingardens are the two most effective ways to minimize storm water runoff.

Each year homeowners face higher prices for water and sewer. The wholesale rate of water from the MWRA has increased 49% over the 10-year period from 2008-2018. Saving rain water helps homeowners hedge against the rising cost of water. Rain water is a free healthy alternative; it is organic, has no chlorine, no fluoride and no chemicals. It is an excellent water source for plants, gardens, lawns and any non-potable use. Regular use of a rain barrel can pay for itself in one season. One tenth of an inch of rain on a 1000 square foot roof --about 25 minutes of moderate rainfall-- will fill a 60-gallon Rain Barrel. New England typically receives 17” of rain during the growing season from May through September. This provides enough water to fill 170 Rain Barrels. At 2 cents a gallon homeowners can expect to \$204 worth of water.

Droughts stress residential landscaping and town water facilities. In 2016, 168 communities in Massachusetts faced restrictions on nonessential outdoor water use - 47% of the Cities and Towns in the state. There is no restriction on rainwater use.

Palmer chose to work with the Great American Rain Barrel Co., a local food importing company that has been repurposing shipping drums into Rain Barrels since 1988. Last year 30% of Massachusetts Cities and Towns partnered with The Great American Rain Barrel Co, selling over 3000 barrels. Great American Rain Barrel Co has been approved vendors by the MASSDEP for the state since 2010. Barrels are being offered at 50% Off Retail for \$59.

Barrels are on display at the Town Administrative Building, 4417 Main Street, Palmer MA 01069 and at the Palmer Public Library, 1455 N Main St, Palmer, MA 01069. We will also have a demo barrel and ordering information at the Three Rivers TRACK Fair on May 5, 2018

Barrels will be available for pick up on Saturday June 9th 9:00-11:00am Parking Lot between Town Offices and Police Station at 4417-4419 Main St, Palmer, MA. Deadline for ordering is June 3rd, Midnight. To participate in the Rain Barrel Program and find out more about the barrels, please visit: www.greatamericanrainbarrel.com/community/ and select your town. If you have any additional question or want more information on the program please contact Angela Panaccione, Conservation Agent, Town of Palmer at (413) 283-2687; email conservation@townofpalmer.com or Suzanne Gebelein at (800)251-2352; email Info@tgarb.com

- e. Quaboag Valley Co-op Erosion Issues: More erosion is occurring on the banks of the Quaboag River, except this time it is in a different spot behind trailers #3-4 off Palmer Road. The property manager will contact the Army Corps for assistance.
- f. Route 67 Flooding: Robert Natario, of MADOT visited the Route 67 culvert location today, and have sent information to the Maintenance section. The culvert was flowing slowly but steadily and the water coming out at the downstream end was clear. A telephone pole recently installed has loose soils near it, and a couple dozen recent branch and sapling cuttings had been thrown into the stream near the culvert. The area is covered with leaves, pine needles and the water flow had significant amounts of organic debris from surrounding areas. In front of the culvert a good amount of sediment has filled in the area just in front of the culvert. The sediment seemed somewhat recent and it moved easily as he walked in the pool near the culvert. He has asked the Maintenance section to stay in touch so that an Emergency Certification could be submitted. Representatives from MA DOT will also attend the site visit to the Solar Area off Rt-67 on Friday April 27, 2018 to discuss the work to be done with Paul Les.

13. Upcoming Events, Conferences & Trainings

- a. Site Visit Schedule: Thursday 4/19/2018 at 9am 96 Rondeau Road
- b. MACC/MADEP Wetlands Forum: A joint workshop is scheduled for Thursday 4/19/2018 at the Hadley Senior Center, 46 Middle Street, Hadley MA. It will begin at 6:30pm. This is a new program developed by MACC/MADEP to provide a forum for Conservation Commissioner and staff to participate in round table discussion about WPA issues/permitting/etc. There will be another one done in the Berkshires in May, and there will also be one done in DEP Central Region in Worcester as well. 5:45pm carpool town hall
- c. Earth Day Clean-up 4/22/2018: Midura Conservation Area 9am-11:30am
- d. Three Rivers TRACK Fair: Saturday 5/5/2018 from 10am to 3pm – Tabling/Enviroscape Demos. Schedule is as follows: 9am-11am Dave Cotter & Brenda Cole, 11am-1pm Nick Zeo & Donald Blais, and from 1pm-3pm Angela Panaccione and possibly Peter Izyk.
- e. PMFN Week of the Young Child and Brain Building: Follow that Boat!! Friday 4/27/2018 at 9:30am
- f. Emerald Ash Borer Conference: The Agent has been invited to the upcoming Emerald Ash Borer Conference hosted by the Massachusetts Dept. of Agricultural Resources (MDAR) in partnership with the Dept. of Conservation and Recreation (DCR) on Tuesday, April 24th, 2018 in Pittsfield because she has been identified as a key participant due to her involvement with land and resource management in Massachusetts.

14. **Office Closed**: Tuesday April 24, 2018 (EAB Conference) & Wednesday April 25, 2018 (MSMCP Vernal Pool Workshop), Wednesday May 2, 2018 -Monday May 7, 2018

15. **Set Next Meeting Date**: Tuesday May 1, 2018 @ 6:30pm

16. **Meeting adjourned**: 9:30 PM

Motion made by David Cotter to adjourn at 9:30 PM

Motion was seconded by Peter Izyk

No further discussion – 5-0-0 – Motion Carries

Sincerely Submitted,

Angela Panaccione
Palmer Conservation Commission Agent



TOWN OF PALMER CONSERVATION COMMISSION

Donald Blais, Chair
David Cotter, Vice Chair
Peter Izyk
Nicholas Zeo
Brenda Cole

LOCATION: Town Administrative Building Meeting Room
4417 Main Street, Palmer MA 01069

Angela Panaccione, Agent

Meeting Documents

Tuesday, April 17th, 2018 – 6:30 PM

The following is a list of documents used at the above meeting, in addition to those included in the agenda packet which is part of the official record of the meeting:

#	Description	Agenda Item	Retained
2(a)	Immediate Response Action Completion Report Noonan Energy Bulk Terminal No. 2 Fuel Oil Release – 33 Foundry Street; Prepared by Green Seal Environmental, Inc.; dated 3/30/2018	Review Phone/Mail/Email Messages	Fuel Oil Release Incident Reports File Folder
2(b)	Request for Comments Special Permit – Water Supply Protection District: L12 Breckenridge St (Map 7 Lots 12 & 13); Prepared by Palmer Planning Board; dated 4/9/2018	Review Phone/Mail/Email Messages	DEP #256-0332 file folder
5(a)	Meeting Minutes: 4/3/2018	Approval of Minutes	FY 18 Minutes Binder
6(a)	Invoice Roberts Printing – \$28.00	Approval of Payables	FY 18 Payables Folder
7(a)	Emergency Permit: Palmer DPW Main Street Three Rivers Bridge (Bridge #P-01-015/GPS Coordinates 42.1908, - 72.3325) Repairs; dated 4/9/2018	Signing of Documents (DOA, OOC, COC, Ext, Etc.)	Emergency Permit File Folder
8(a)	WPA Form 4A – Abbreviated Notice of Resource Area Delineation: 358 Shearer Street, Palmer, MA, prepared by LEC Environmental Consultants, Inc., dated December 12, 2017	Schedule of Public Hearings	DEP #256-0328 file folder
8(a)	Affidavit of Service, Abutter Letter, Abutter Notification Form, Abutters List & Certificates of Mailing	Schedule of Public Hearings	DEP #256-0328 file folder
8(a)	ANRAD Application Report 358 Shearer Street, Palmer, MA, prepared by LEC Environmental Consultants, Inc., dated December 12, 2017	Schedule of Public Hearings	DEP #256-0328 file folder
8(a)	Appendix A – Figure 1: USGS Topographic Quadrangle	Schedule of Public Hearings	DEP #256-0328 file folder
8(a)	Appendix A – Figure 2: FEMA Flood Insurance Rate Map	Schedule of Public Hearings	DEP #256-0328 file folder
8(a)	Appendix A – Figure 3: MassGIS Orthophoto & NHESP Map	Schedule of Public Hearings	DEP #256-0328 file folder
8(a)	Appendix B: DEP Bordering Vegetated Wetland Delineation Field Data Forms and Site Photographs, dated August 24, 2017	Schedule of Public Hearings	DEP #256-0328 file folder

8(a)	Appendix C: Wetland Flag Locations, 358 Shearer Street, Palmer, MA, prepared by Graves Engineering, Inc., dated November 16, 2017; Revised April 16, 2018	Schedule of Public Hearings	DEP #256-0328 file folder
8(a)	WPA Form 4B: Order of Resource Area Delineations DEP #256-0328; Signed, issued & dated 4/17/2018	Schedule of Public Hearings	DEP #256-0328 file folder
8(a)	Order of Resource Area Delineations & Findings of Facts for DEP #256-0328; Prepared by Angela Panaccione; Dated 4/17/2018	Schedule of Public Hearings	DEP #256-0328 file folder
8(b)	Request to Withdraw WPA Form 1 (Request for Determination of Applicability) 271 Breckenridge Street; Submitted by Steve Long c/o Borrego Solar; dated 4/17/2018	Schedule of Public Hearings	271 Breckenridge RDA File Folder
8(c)	WPA Form 3: Notice of Intent – Proposed Solar Array 271 Breckenridge Street; prepared by Borrego Solar Systems Inc; dated 12/8/2017	Schedule of Public Hearings	DEP #256-0331 File Folder
8(c)	Notice of Intent Narrative – Proposed Solar Array 271 Breckenridge Street; prepared by Borrego Solar Systems Inc; dated 12/8/2017	Schedule of Public Hearings	DEP #256-0331 File Folder
8(c)	Wetlands Delineation Report 271 Breckenridge Street, Palmer, MA, prepared by SWAC Environmental Consultants, Inc., dated 10/5/2017	Schedule of Public Hearings	DEP #256-0331 File Folder
8(c)	Wetland Determination Data Forms and Site Photographs, prepared by SWAC Environmental Consultants, Inc., dated 7/26/2017	Schedule of Public Hearings	DEP #256-0331 File Folder
8(c)	Site Plan Review 271 Breckenridge Street Project Number: 905-0811 (Sheets 1-5); prepared by Borrego Solar Systems Inc.; dated 12/8/2017; Revised 4/3/2018	Schedule of Public Hearings	DEP #256-0331 File Folder
8(c)	Stormwater Management Report 271 Breckenridge Street; prepared by Borrego Solar Systems Inc; dated 12/8/2017	Schedule of Public Hearings	DEP #256-0331 File Folder
8(c)	Additional Wetlands Details; prepared by Borrego Solar Systems Inc; dated 4/17/2018	Schedule of Public Hearings	DEP #256-0331 File Folder
8(d)	WPA Form 3: Notice of Intent – Proposed Solar Array L12 Breckenridge Street; prepared by Sherman & Frydryk Inc; dated 12/8/2017	Schedule of Public Hearings	DEP #256-0332 File Folder
8(d)	Notice of Intent Narrative – Proposed Solar Array L12 Breckenridge Street; prepared by Sherman & Frydryk Inc; dated 3/28/2018	Schedule of Public Hearings	DEP #256-0332 File Folder
8(d)	Wetlands Delineation Report L12 Breckenridge Street, Palmer, MA, prepared by Wetlands Consultants, Inc., dated 12/19/2017	Schedule of Public Hearings	DEP #256-0332 File Folder
8(d)	Wetland Determination Data Forms and Site Photographs, prepared by Wetlands Consultants, Inc., dated 12/19/2017	Schedule of Public Hearings	DEP #256-0332 File Folder
8(d)	Palmer Breckenridge Solar Project Number: 03256A (Sheets 1-10); prepared by Sherman & Frydryk Inc; Signed & Stamped by Donald Frydryk; dated 1/19/2018	Schedule of Public Hearings	DEP #256-0332 File Folder

8(d)	Stormwater Management Report Proposed Solar Array L12 Breckenridge Street; prepared by Sherman & Frydryk Inc; Signed & Stamped by Donald Frydryk; dated January 2018	Schedule of Public Hearings	DEP #256-0332 File Folder
8(d)	DEP File Number w/ Comments; Prepared by Mark Stinson MADEP; dated 4/4/2018	Schedule of Public Hearings	DEP #256-0332 File Folder
8(d)	MA DEP Wetlands Program Policy 17-1: Photovoltaic System Solar Array Review	Schedule of Public Hearings	DEP #256-0332 File Folder
8(d)	MA DEP Evaluation of 10.58(5) Redevelopment Projects; Prepared by Sherman & Frydryk; dated 3/18/2018	Schedule of Public Hearings	DEP #256-0332 File Folder
8(d)	Response to DEP Comments File #256-0332; Prepared by Donald Frydryk; dated 4/16/2018	Schedule of Public Hearings	DEP #256-0332 File Folder
8(d)	Application for Conservation Permit (ACP) under Local Ordinance Chapter 168; Prepared by Donald Frydryk; dated 3/8/2018	Schedule of Public Hearings	DEP #256-0332 File Folder
8(d)	Request for a Waiver from Palmer Local Wetlands Ordinance (Chapter 168) & Regulations; Prepared by Donald Frydryk; dated 3/8/2018	Schedule of Public Hearings	DEP #256-0332 File Folder
10(b)	Site Inspection Reports DEP #256-0327: Sherwood Lumber	Violations & Enforcement	DEP #256-0327 File Folder
10(b)	Site Photos 4/17/2018 DEP #256-0327: Sherwood Lumber	Violations & Enforcement	DEP #256-0327 File Folder
10(c)	Site Inspection Report & Infiltration Basin Report DEP #256-0309: Boston Road Solar	Violations & Enforcement	DEP #256-0309 File Folder
10(c)	Site Photos 1/16/2018 DEP #256-0309: Boston Road Solar	Violations & Enforcement	DEP #256-0309 File Folder
11(a)	Emails: 2018 SCA Massachusetts AmeriCorps Crew Pre-Meeting Logistics; from Kelsey Allen; dated 4/6/2018 & 4/17/2018	New/Old Business	2017 Trail Grant Binder
11(c)	"A Community Guide to Starting & Running a Wood Bank"; by Sabrina Vivian and Jessica Leahy (2015). Forest Resources Student Scholarship. https://digitalcommons.library.umaine.edu/sfr_studentpub/1	New/Old Business	Community Wood Bank Binder
11(d)	Press Release: Town of Palmer 2018 Community Rain Barrel Program; by Angela Panaccione; dated 4/12/2018	New/Old Business	Community Rain Barrel Program File Folder
11(d)	Palmer 2018 Rain Barrel Program Order Form; provided by the Great American Rain Barrel Company; dated 4/12/2018	New/Old Business	Community Rain Barrel Program File Folder
11(d)	Town of Palmer 2018 Community Rain Barrel Program Information Sheet; provided by the Great American Rain Barrel Company; dated 4/12/2018	New/Old Business	Community Rain Barrel Program File Folder
11(f)	Site Photos 4/17/2018: MA RT-67 Flooding; Submitted by Robert Natario, MA DOT	New/Old Business	RT-67 Flooding Emergency Permit File Folder