



124 Grove Street  
Suite 215  
Franklin, MA 02038

508.298.1500 PHONE  
508.298.1501 FAX

[www.TRCSolutions.com](http://www.TRCSolutions.com)

October 22, 2018

Mr. Robert Stein, Chairman  
Connecticut Siting Council  
Ten Franklin Square  
New Britain, CT 06051

**Subject: Docket No. 468, Plumtree to Brookfield Junction 115-kV Project  
Decision and Order Condition #4 – Independent Environmental Inspector Report**

Dear Mr. Stein,

Please find enclosed the Final Independent Environmental Inspector Report for the Plumtree to Brookfield Junction 115-kV Project. The final inspection spanned two days, **September 20<sup>th</sup>** and **September 27<sup>th</sup>, 2018**. All Project components have been constructed and the 1887 line has been in service since June 24, 2018 and Initial restoration has been performed site wide. The Connecticut Siting Council has agreed (as of September 28, 2018) with Eversource that Condition No. 4 of the Council's Decision and Order of the above referenced project has been satisfied.

If you have any questions, please contact me at [pcyr@trcsolutions.com](mailto:pcyr@trcsolutions.com) or (860) 508-8465.

Sincerely,

A handwritten signature in black ink that reads "Paul R. Cyr". The signature is written in a cursive, flowing style.

Paul Cyr  
Environmental Scientist  
TRC Environmental Corp.

Enclosure

cc- Ian Cole (email), Eversource  
TRC Files

**Docket No. 466– Development and Management Plan Inspection**

The Connecticut Siting Council (CSC) issued to the Connecticut Light and Power Company (d.b.a. as Eversource Energy [Eversource]) a Certificate of Environmental Compatibility and Public Need (Certificate) for the Southwest Connecticut Reliability Project, specifically the Plumtree to Brookfield 115-kV Transmission Line and the Plumtree Substation in Bethel (Project). For the Project, Eversource is in the process of constructing a new 3.4-mile, overhead electric transmission line between its Plumtree Substation in the Town of Bethel and its Brookfield Junction Substation in the Town of Brookfield, and also making minor related modifications to the Stony Hill Substation in Brookfield and Plumtree Substation in Bethel. In addition, two existing 115-kV line entries to Stony Hill Substation are being reconfigured as part of the Project. These electrical system modifications are located within Eversource's existing right-of-way (ROW) or substation properties in Fairfield County, Connecticut. Pursuant to the CSC's approval of the Project, this report presents the results of the weekly inspections of the Project's conformance to the CSC-approved Development & Management (D&M) Plans, performed by the CSC's independent environmental inspector pursuant to Certificate Condition 4.

**ROW/SUBSTATIONS**

**Final Inspection:**

**Date:** 09/20/2018 & 09/27/2018

**Inspector:** Paul Cyr

**Rain Event:**

**Locations Inspected** (by Town, D&M Plan Map Sheet, and Structure Number/Site):

- Bethel, Maps 01-03, Str1000 through Str1006
- Bethel, Map 03, Str1007
- Danbury, Maps 04-05, Str1008 through Str1010
- Danbury, Map 06, Str1011 through Str1013
- Danbury/Bethel, Maps 07-08, Str1014 through Str1016
- Bethel, Maps 09, Str1017 through Str1018
- Bethel, Maps 10-11, Str1019, Str1020, Str1021
- Bethel/Brookfield, Map 12, Str1022-Str1023
- Brookfield, Map 13, Str1024-Str1027

**Work Observed:** (by D&M Plan Map Sheet and Structure Number/Site)

TRC has been monitoring the Southwest Connecticut Reliability Project, specifically the Plumtree Substation to Brookfield Junction and the initial work on the Stony Brook Substation (construction of structures Str4647A and Str4648A) weekly between October 5, 2017 and September 27, 2018. Initial restoration has been performed site wide throughout the project as construction at each structure location has been completed. The 115kV overhead transmission line (1887) between Plumtree Substation and Brookfield Junction was energized and placed into service on June 24, 2018. Counterpoise was completed at Str1026 and Str1027 in July 2018, and at structures Str1000 through Str1003 in August 2018. Per Eversource's August 31, 2018 notification to the Council, all Project components have been constructed and placed in service with restoration efforts on-going. Eversource will continue to monitor the progress of restoration, per the Project's General Permit for Stormwater and Dewatering Wastewaters from Construction Activities. Eversource's request to the Connecticut Siting Council to terminate the weekly compliance inspections and biweekly reporting requirements per Condition # 4 of the Connecticut Siting Council's Decision and Order for Docket No. 468 was approved and signed by the Council on September 28, 2018. Therefore this report is the Final Inspection Report issued by TRC, the Third Party Independent Environmental Inspector for the Project.

<b>Areas of Inspection</b>		<b>Observation:</b>	<b>Recommended Action/s:</b>	<b>Corrected Action/s:</b>
<b>Access Roads and Adjacent Roadways</b>	<b>Final Inspection</b>	All access roads appear to be restored in accordance with the Project's BMP Manual and D&M Plan requirements.	N/A	N/A
<b>Vegetative Clearing Limits (Including trees to save or danger trees noted.</b>	<b>Final Inspection</b>	All project related clearing has been completed. All areas appear to have been within the limits of disturbance and have been restored in accordance with the Project's BMP Manual.	N/A	N/A

<p style="text-align: center;"><b>Water Crossings</b></p>	<p style="text-align: center;"><b>Final Inspection</b></p>	<p>All temporary water crossings have been removed and areas restored in accordance with the Project's BMP Manual. No permanent BMPs were constructed within wetlands and/or watercourses.</p>	<p style="text-align: center;">N/A</p>	<p style="text-align: center;">N/A</p>
<p style="text-align: center;"><b>Erosion and Sedimentation Controls</b></p>	<p style="text-align: center;"><b>Final Inspection</b></p>	<p>Silt Fence and straw bales with stakes were still present at the time of this final inspection in select areas.</p> <p>A majority of the silt fence has been removed in areas where no erosion has been observed throughout the project. With the exception of the slope erosion at Str1023, no other erosion issues have been observed and/or reported. The erosion at Str1023 has been repaired and the area reseeded and stabilized with straw mulch (see Photos 15 and 16).</p> <p>Permanent BMPs appear to be constructed in accordance with the Project's BMP Manual.</p>	<p>Remove all non-biodegradable erosion and sediment controls following confirmation of final restoration in accordance with the Projects BMPs Manual.</p>	<p style="text-align: center;">N/A</p>

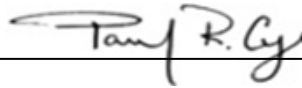
<p style="text-align: center;"><b>Inland Wetland &amp; Watercourse encroachment &amp; mitigation</b></p>	<p style="text-align: center;"><b>Final Inspection</b></p>	<p>All access roads and wetland crossings encroaching in the projects identified wetlands have been removed. No Permanent BMPs were observed in any wetlands and/or watercourses.</p> <p>The culvert crossing at the access road to Str1000 through Str1006 (wetland W1 at the "Enchanted Trail", Map Sheet 01/01A) has been cleaned and restored.</p> <p>The Compensatory Floodplain Mitigation Area (D&amp;M Plan Map sheet 4 and Detail Sheet 9), appears to have been constructed according to the D&amp;M Plan design.</p>	<p style="text-align: center;">N/A</p>	<p style="text-align: center;">N/A</p>
<p style="text-align: center;"><b>Spills and Material Storage</b></p>	<p style="text-align: center;"><b>Final Inspection</b></p>	<p>No spill related impacts were observed at the time of this final inspection.</p>	<p>All project related spills were reported and cleaned up according to project requirements.</p>	<p style="text-align: center;">N/A</p>

**Final Inspection Notes:**

All areas of the project ROW appeared to be in compliance with restorations and stabilization guidelines of the Project's BMP Manual. All structure work pads and pull pads were in various stages of stabilization at the time of this final inspection. Therefore it is TRC's recommendation that all areas be re-visited following determination of final restoration to remove any remaining non-permanent BMPs (Silt fence, straw bale stakes, nylon twine, etc.). Permanent BMPs should be cleared of sediment accumulation and repaired if need be.

I have personally examined and am familiar with the information submitted in this document and all attachments and certify that based on reasonable investigation, including my inquiry of those individuals responsible for obtaining the information, the submitted information is true, accurate and complete to the best of my knowledge and belief, and I understand that any false statements made in this document or its attachments may be punishable as a criminal offense in accordance with Section 22a-6 under Section 53a-157 of the Connecticut General Statutes.

**Independent Field Inspector:**

A handwritten signature in black ink, appearing to read "Paul R. Gye", is written over a horizontal line.

D&M Mapsheet	Structure	Initial Restoration Performed (Yes/No)	Wetland/Watercourse/Vernal Pools (By D&M Mapsheet)	Field Observation at Final Inspection	Permanent BMPs as Corrective Action	Photo Log Reference
1A & 01	Plumtree Substation	Yes	Wetland W1, East Swamp WMA, Limekiln Brook S2	Temporary chain link fencing is in place at this time along the south end of the Plumtree Substation. Permanent fencing will be installed at a later date. Counterpoise completed at Str1000 through Str1003.  All timber mats (and anchors), project related equipment, and project related debris, have been removed from the Project ROW.  Initial Restoration has been performed and vegetation regrowth is occurring. No erosion was observed in the area of the Project ROW between the Plumtree Substation through Str1003.	No permanent BMPs in the wetland area. Appears all non biodegradable E&S controls have been removed. Areas will be continue to be monitored by the project until full restoration has been established. Any remaining temporary E&S controls will be removed following full restoration.	Photos 1 through 3- Str1000 - Str1003 restoration.
	Str1000	Yes				
	Str1001	Yes				
	Str1002	Yes				
	Str1003	Yes				
02	Str1004	Yes	Wetland W1, East Swamp WMA, East Swamp Brook S1	All timber mats (and anchors), project related equipment, and project related debris, have been removed from the Project ROW.  Initial restoration has been performed and vegetation regrowth is occurring. No erosion was observed in the area of the Project ROW between Str1003 through Str1005.	No permanent BMPs in the wetland area. Appears all non biodegradable E&S controls have been removed. Areas will be continue to be monitored by the project until full restoration has been established. Any remaining temporary E&S controls will be removed following full restoration.	
	Str1005	Yes				
03	Str1006	Yes	Wetland W1, East Swamp WMA, East Swamp Brook S1, Limekiln Brook S2	All timber mats (and anchors), project related equipment, and project related debris, have been removed from the Project ROW.  Initial restoration has been performed and vegetation regrowth is occurring. No erosion was observed in the area of the Project ROW between Str1005 through Str1007.	No permanent BMPs in the wetland area. Appears all non biodegradable E&S controls have been removed. Areas will be continue to be monitored by the project until full restoration has been established. Any remaining temporary E&S controls will be removed following full restoration. Access road gate will be installed at this location.	Photo 4- Str1007 restoration.
	Str1007	Yes				
04	Str1008	Yes	Wetland W1, East Swamp Brook S1, Limekiln Brook S2	All timber mats (and anchors), project related equipment, and project related debris, have been removed from the Project ROW.  The Compensatory Floodplain Mitigation Area (D&M Plan Map Detail Sheet 9), has been constructed.  Initial restoration has been performed and vegetation regrowth is occurring. No erosion was observed in the area of the Project ROW between Str1007 through Str1008.	No permanent BMPs in the wetland area. Appears all non biodegradable E&S controls have been removed. Areas will be continue to be monitored by the project until full restoration has been established. Any remaining temporary E&S controls will be removed following full restoration.	Photo 13- Str1008 access road restoration and Compensatory Floodplain Mitigation Area.
05 & 5A	Str1009	Yes	Wetland W1, Limekiln Brook S2	All project related equipment and project related debris, have been removed from the Project ROW.  All temporary E&S controls have been removed. Permanant BMPs have been maintained, No erosion observed.	Drainage swale and riprap lined sediment basin, riprap check dams. Areas will continue to be monitored by the project until full restoration.	Photos 5 and 6- Str1009 down gradient Permanent BMPs.
	Str1010	Yes				



06	Str1011	Yes	Wetland W1, Wetland W2, Limekiln Brook S2, Unnamed Watercourse S3	All timber mats (and anchors), project related equipment, and project related debris, have been removed from the Project ROW.  Initial restoration has been performed and vegetation regrowth is occurring. No erosion or sedimentation was observed.	No permanent BMPs in the wetland area. Appears all non biodegradable E&S controls have been removed. Areas will be continue to be monitored by the project until full restoration has been established. Any remaining temporary E&S controls will be removed following full restoration.	
	Str1012	Yes		All timber mats (and anchors), project related equipment, and project related debris, have been removed from the Project ROW.  Initial restoration has been performed and vegetation regrowth is occurring. No erosion or sedimentation was observed.	Gravel pull pad remaining in place, riprap lined drainage feature in the north corner of the pull pad at Old Sherman Turnpike also remaining in place.	Photo 7- Str1012 restoration
	Str1013	Yes		All timber mats, project related equipment, and project related debris, have been removed from the Project ROW.  Initial restoration has been performed and vegetation regrowth is occurring. No erosion was observed at the time of this inspection	West end of access road removed and permanent drainage swale (constructed in a south-north orientation) with check dams constructed to divert stormwater run off from abutting property to the unnamed watercourse.	Photo 8- Str1013 access road restoration and Permanent BMPs
07	Str1014	Yes	Wetland W2, Unnamed Watercourse S4	Initial restoration has been performed and vegetation regrowth is occurring. No erosion was observed at the time of this inspection.	Soil berm constructed along the south and and part of the west side of the work pad. Access road gate installed at this location.	Photo 9- Str1014 access road gate installed.
	Str1015	Yes		Initial restoration has been performed and vegetation regrowth is occurring. No erosion was observed at the time of this inspection.	No permanent BMPs at this location. Access road gate installed at this location.	Photo 10- Access road and area restoration.
08	Str1016	Yes	Wetland W3, Unnamed Watercourse S5	All timber mats, project related equipment, and project related debris, have been removed from the Project ROW.  Initial restoration has been performed and vegetation regrowth is occurring. No erosion was observed at the time of this inspection.	No permanent BMPs at this location.	Photo 11- Str1016 restoration.
09	Str1017	Yes	Unnamed watercourse S5	Initial restoration has been performed and vegetation regrowth is occurring. No erosion was observed at the time of this inspection.	No permanent BMPs at this location.	
	Str1018	Yes		Initial restoration has been performed and vegetation regrowth is occurring. No erosion was observed at the time of this inspection.	No permanent BMPs at this location.	
10	Str1019	Yes	Unnamed watercourse S6	Initial restoration has been performed and vegetation regrowth is occurring. No erosion was observed at the time of this inspection.	Fenced & Gated area on asphalt parking area for property refuse/recycling containers.	Photo 14- Str1019 restoration and construction of fenced area.
	Str1020	Yes		Initial restoration has been performed and vegetation regrowth is occurring. No erosion was observed at the time of this inspection.  Property owner is landscaping soil mound located east of Str1020.	No permanent BMPs at this location.	
11	Str1021	Yes	Wetland W4, Wetland WB-1, Unnamed watercourse S7	All timber mats, project related equipment, and project related debris, have been removed from the Project ROW.  Initial restoration has been performed and vegetation regrowth is occurring. No erosion or sedimentation was observed at the time of this inspection.	No permanent BMPs at this location.	

12	Str1022	Yes	Wetland W5	All timber mats, project related equipment, and project related debris, have been removed from the Project ROW.  Initial restoration has been performed and vegetation regrowth is occurring. No erosion or sedimentation was observed at the time of this inspection.	No permanent BMPs at this location.	
	Str1023	Yes		Initial restoration has been performed and vegetation regrowth is occurring. No erosion or sedimentation was observed at the time of this inspection.	No permanent BMPs at this location.	Photos 15 and 16- Str1023 restoration.
13	Str1024	Yes	None shown	Initial restoration has been performed and vegetation regrowth is occurring. No erosion or sedimentation was observed at the time of this inspection.	No permanent BMPs at this location.	
	Str1025	Yes		Initial restoration has been performed and vegetation regrowth is occurring. No erosion or sedimentation was observed at the time of this inspection.	No permanent BMPs at this location.	
	Str1026	Yes		Initial restoration performed. No vegetation on work pad, stone covered pad. Counter Poise completed at location.	No permanent BMPs at this location.	
	Str1027 Brookfield Junction	Yes		Initial restoration performed. No vegetation on work pad, stone covered pad.	No permanent BMPs at this location.	Photo 12- Str1027 restoration.
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	Stony Hill Substation	Yes	Wetland W7	Str4647A and Str4648A work completed. All work and oversight pertaining to the Docket 468 D&M Plan has been completed and the area fully restored.	N/A	

# Photograph Log

## Southwest Connecticut Reliability Project

### Plumtree To Brookfield Junction



Photo 1: 09/20/2018, Bethel: Maps 01A-01, access road to Str1000 through Str1006 at the culvert crossing of Wetland W1 outside of the southeast fence line of the Plumtree Substation. Timber mats removed and initial restoration performed. Photo taken facing northwest from the southeast side of the culvert area towards the Plumtree Substation in the distance.



Photo 2: 09/20/2018, Bethel: Maps 01A-02, access road to Str1000 through Str1006, all timber mats removed from within Wetland W1 and initial restoration has been performed. Photo taken facing northwest from the southwest corner of the Plumtree Substation towards Str1003 in the distance.

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## Southwest Connecticut Reliability Project

### Plumtree To Brookfield Junction



Photo 3: 09/20/2018, Bethel: Maps 01A-02, view of structures Str1000 through Str1003 within wetland W1. All timber mats removed and initial restoration performed. Photo taken facing northwest from Str1000 to Str1003 in the distance.



Photo 4: 09/20/2018, Bethel: Map 03, view of structure Str1007 located within wetland W1 off of Shelter Rock Road in a Rare Species Designated Area. All timber mats have been removed, all temporary anchor points were removed and initial restoration has been performed. Photo taken facing southwest.

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## Southwest Connecticut Reliability Project

### Plumtree To Brookfield Junction



Photo 5: 09/20/2018, Danbury: Map 05, view of rip rap filled sediment basin and soil drainage swale with straw bales and/or rip rap check dams (Permanent BMPs), constructed along the bottom of the east slope, parallel with Wetland W1. Photo taken facing northeast from the structure work pad.



Photo 6: 09/20/2018, Danbury: Map 05, view of grass filled drainage swale with rip rap check dams (Permanent BMPs), constructed along the bottom edge of the north slope and connecting to the sediment basin shown in Photo 5 above, parallel with the pad and along the limits of disturbance as shown on Map Sheet 05. Photo taken facing east.

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## Southwest Connecticut Reliability Project

### Plumtree To Brookfield Junction



Photo 7: 09/20/2018, Danbury: Map 06, view of Str1012 and access point to Str1012 and Str1011 (to the south, not shown in this view). Gravel pull pad to remain in place, timber mat access road and work pads removed. Initial restoration performed and natural revegetation visible. Photo taken facing west from the pull pad towards Str1012.



Photo 8: 09/20/2018, Danbury: Map 06, view of rip rap filled swale, sediment basin, and straw check dams constructed at the intersection of the Unnamed watercourse and the access road to Str1013, south end of Old Sherman Turnpike. A temporary rip rap filled hard bottom crossing has been removed and the final rip rap drainage swale and sediment basin is now in place (Permanent BMPs). Photo taken facing north parallel with Old Sherman Turnpike.

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## Southwest Connecticut Reliability Project

### Plumtree To Brookfield Junction



Photo 9: 09/20/2018, Bethel: Map 07, view of access road to Str1014 and installed security gate. Final grading (pad and access road) and initial restoration has been performed. Photo taken facing west from Hearthstone Drive towards Str1014 in the distance.



Photo 10: 09/20/2018, Bethel: Map 07-08, view of Structure Str1015 (Map 07) and the permanent access road off of Chimney Drive (Map 08). Final pad and access road grading, and initial restoration has been performed. Photo taken facing south from Chimney Drive towards Str1015 in the distance.

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## Southwest Connecticut Reliability Project

### Plumtree To Brookfield Junction



Photo 11: 09/20/2018, Bethel: Map 08, view of Structure Str1016 and access road, removal of timber mats, final grading, and initial restoration has been performed. Photo taken facing northeast from Chimney Drive towards Str1016 in the distance.



Photo 12: 09/20/2018, Bethel: Map 07, view of Str1027, Final grading and initial restoration has been performed. Stone work pad is staying in place, natural revegetation is occurring. No soil erosion observed, upland slope and pad appears to be stable at this time. Photo taken facing west towards Str1027.

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## Southwest Connecticut Reliability Project

### Plumtree to Brookfield Junction



Photo 13: 09/27/2018, Danbury: Map 4, view of the compensatory Floodplain Mitigation Area, north of Str1008 (Detail Sheet 9).



Photo 14: 09/27/2018, Bethel: Map 10, view of Str1019 restoration of ROW and the construction of fenced in area for the property owner's refuse/recycling container staging area.

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## Southwest Connecticut Reliability Project

### Plumtree to Brookfield Junction



Photo 15: 09/27/2018, Bethel/Brookfield: Map 12, Str1023, view of west slope of work pad where previous erosion occurred. Area has been stabilized with seed and straw mulch. At the time of this inspection grass was growing and no erosion was observed.



Photo 16: 09/27/2018, Bethel/Brookfield: Map 12, Str1023, north-south view of west slope of work pad where previous erosion occurred. Area has been stabilized with seed and straw mulch. At the time of this inspection grass was growing and no erosion was observed.

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