

Docket No. 272 – Development and Management Plan Inspection

The Connecticut Light and Power Company Certificate of Environmental Compatibility and Public Need for the construction of a new 345-kV electric transmission line and associated facilities between Scovill Rock Switching Station in Middletown and Norwalk Substation in Norwalk, Connecticut, including reconstruction of portions of existing 115-kV and 345-kV electric transmission line, the construction of Beseck Switching Station in Wallingford, East Devon Substation in Milford, (and Singer Substation in Bridgeport), modifications at Scovill Rock Switching Station and Norwalk Substation, and the reconfiguration of certain interconnections.

Segment 2a Inspection

Date: September 25, 2007

Inspector: Matthew Creighton

Location: Segment 2a – Beseck Switching Station to Cheshire/Hamden Town Line

Rainfall: 0.02” of precipitation was recorded in the week prior to inspection (NOAA data at Meriden, CT).

Areas of Inspection	Observation	Recommended Action	Corrected Action
Access roads and adjacent roadways	Timber mats are in place at wetland crossings and staging areas. 9/25/07	See Erosion Control Section for more details 9/25/07	Not applicable (NA)
Carpenter Ln. to Rte 68	South of Carpenter Ln, timber mat & stone staging areas remain within wetlands. The access road is complete here. Sediment is accumulating along controls at drainage ditch. 8/28-9/25/07	Add controls as needed along the wetlands. See the erosion control section. 9/25/07	Needs regular attention
	A culvert remains in place at the small stream crossing here. Access road was constructed to reach several pad sites between High Hill Rd. and Carpenter Ln. 9/25/07	Add controls as needed along the new access road. Monitor stream for sediment. Wetland crossings will need to be restored at the end of the project. 9/25/07	NA
Durham Rd. Liney Hall Ln.	Access road construction is complete south off Durham. The equipment bridge crossing in place over the Muddy River tributary and a second bridge is in place off Liney Hall Rd. to access structure #24272. 9/25/07	Continue to monitor and add controls as needed. 9/25/07	NA

Areas of Inspection	Observation	Recommended Action	Corrected Action
Williams Rd. to East Center St.	Stone is in place for access at a previously mowed area off Williams Rd. 9/25/07	Stone should be removed and lawn area should be restored upon completion of the project work. 9/25/07	NA
S. Turnpike + Merritt Parkway Area ; Mansion Rd.; Durham Rd.; Stony Brook; Carpenter Ln.; Pent Rd.; Oliver Creek Rd.	No sediment tracking was noted on any of these roadways and the adjacent areas appear stable. Stone construction entrance pads remain in place at most entrances. 9/25/07	Continue to monitor entrances and sweep as needed. 9/25/07	NA
Powers Rd.	Restoration efforts continue. Most of the timber mats have been removed from the staging area within the wetland, but stabilization is still needed. 9/25/07	Carefully grade area and add controls for stabilization. See erosion control section. 8/28-9/25/07	Restoration efforts continue. Needs stabilization
Pond Hill Rd. Docker Dr.	Crews continue to reclaim portions of the access road by removing stone and narrowing the roadway. 9/25/07	Add controls as needed to stabilize exposed soils. 9/25/07	Needs stabilization/restoration when complete
Mansion Rd. Apple Orchard	Timber mats remain in place at the wetland crossings off Pond Hill. A large exposed/disturbed area was noted off Docker. 9/25/07	Continue to monitor entrances and sweep as needed. Add controls adjacent to the crossings if necessary. Stabilize soils as soon as possible. 9/25/07	Needs attention
Mansion Rd. Apple Orchard	A small channel was diverted/dug along the access road. Water has been pooling on the access road during storms. 6/19-9/25/07 Culverts are onsite but not installed. 7/10-9/25/07	Monitor and add controls along wetland as needed and install culverts to prevent water from pooling on the access road. 9/25/07	Needs evaluation/attention
Mansion Rd to Tuttle Ave.	Culverts, haybales, fiber rolls, and hay/seed remain in place to stabilize area along the access road but controls were overwhelmed during heavy rains and run off was an issue	Retain the no access areas located off Mansion Rd. and Tuttle Ave (moving west). See erosion control section for more details. 9/25/07	NA

Areas of Inspection	Observation	Recommended Action	Corrected Action
<p>Old Farms Road</p> <p>Old Farms Rd. (115kV Underground trench-work)</p>	<p>run-off was an issue. Rutting has taken place along the slopes and access roads. 9/25/07</p> <p>Plywood is being used on driveways crossing the ROW to reduce the impact from equipment. 9/25/07</p> <p>Small pads and accessways remain in place for laydown areas along the underground section 9/25/07</p> <p>It appears another layer of pavement will be needed to bring roadway surface up to grade. The edge of one homeowner's driveway was damaged during construction and should be repaired. 9/6-9/25/07</p> <p>The damaged driveway was repaired with asphalt. However, the damaged portion consisted of a brick paver. 9/6-9/25/07</p> <p>Hydroseed has been applied to the exposed soils along the edge of the roadway. 9/25/07</p>	<p>Continue to monitor for sediment on roadway and driveways; continue to use rubber mats or plywood to protect driveways. 9/25/07</p> <p>Continue to monitor areas for erosion and install controls as needed. 9/25/07</p> <p>Sweep roadway as needed as long as work occurs in the area. During final grading, repair the damaged driveway. 9/6-9/25/07</p> <p>Repair the driveway to the satisfaction of the landowner (e.g replace appropriate material). 9/6-9/25/07</p> <p>Continue to monitor until stabilization is achieved. 9/25/07</p>	<p>NA</p> <p>NA</p> <p>Needs attention during paving</p> <p>Needs attention</p> <p>Hydroseed has been applied to disturbed areas</p>
<p>Foundation and site construction</p> <p>Carpenter Lane</p> <p>Durham Rd. Liney Hall Lane Williams Rd to East Center St.</p> <p>Pond Hill Rd. & Docker Dr.</p>	<p>A new staging area is being installed within the wetland area here. 9/25/07</p> <p>Poles have been delivered to these sites. Foundation work continues off Durham Rd. 9/25/07</p> <p>Structure installation is complete off Docker Dr.</p>	<p>See wetland section for more details. 9/25/07</p> <p>See erosion control section. 9/25/07</p> <p>See EC section for more detail. 9/25/07</p>	<p>NA</p> <p>NA</p> <p>Needs attention</p>

Areas of Inspection	Observation	Recommended Action	Corrected Action
<p>(191 – Rte. 5)</p> <p>Pent Rd. & Oliver Creek Rd.</p> <p>S. Turnpike + Merritt Parkway Area</p> <p>Old Farms Rd. (115kV Underground trench-work)</p>	<p>Disturbed/exposed areas remain. 9/25/07</p> <p>Structure installation was occurring during the inspection. 9/25/07</p> <p>Foundation drilling continues off South Turnpike, adjacent to the Merritt Parkway. 9/25/07</p> <p>The exposed soils were hydroseeded at the transition area this week. Road surface has been paved but may need another layer of pavement. Line pulling equipment is onsite. 9/25/07</p>	<p>Add/adjust controls as necessary. 9/25/07</p> <p>See erosion control section. Add controls as needed especially with the steep slope. 9/25/07</p> <p>See access road and erosion control sections for more details. 9/25/07</p>	<p>NA</p> <p>NA</p> <p>Exposed soils were hydroseeded but further attention is needed</p>
<p>Erosion and sediment controls</p> <p>Carpenter Ln. to Rt. 68</p> <p>Durham Rd.</p> <p>Liney Hall Ln.</p> <p>Williams Rd to East Center St.</p>	<p>Turbid run-off had been filtering through haybale check dams before leaving the site. Sediment accumulation was noted here. 6/19-9/25/07</p> <p>The new access road and bridge installed south of Durham Rd. look good. Controls remain intact. 9/25/07</p> <p>A culvert remains at the small stream crossing. No sediment issues noted. Timber mats and fiber rolls remain in place and a bridge is in place across Muddy Brook. 9/25/07</p> <p>Timber mats and silt fence remain in place at the Stony Brook site access. No controls added at landowner disturbed area off Williams. 9/25/07</p>	<p>Remove any accumulated sediment at the controls and stabilize area as soon as work is complete. 6/19-9/25/07</p> <p>Monitor and add controls as needed adjacent to wetlands. 9/25/07</p> <p>Monitor and add controls along the road as needed. Stabilize area impacted by timber mats. 9/25/07</p> <p>Attempt to add appropriate controls between the exposed soil and the undisturbed portion of wetlands even though landowner activities continue here 9/25/07</p>	<p>Check dams are functioning well but needs regular attention</p> <p>NA</p> <p>NA</p> <p>Most issues are related to the landowner but attempt to improve if feasible</p>

Areas of Inspection	Observation	Recommended Action	Corrected Action
Tamarack Swamp Rd.	Small pad remains within wetlands. Controls are in place. 9/25/07	Monitor and adjust controls as needed. 9/25/07	NA
Powers Rd. & Woodhouse Ave.	A small riprap diversion moves run-off around the timber mats, through a riprap channel flowing off-site and into silt fence barriers. However, in the process of removing timber mats, sediment was pushed over some controls and equipment caused a small area of disturbance in the wetland. 8/28-9/25/07	Monitor controls for effectiveness. Clean sediment from riprap as needed. Carefully grade and stabilize exposed soils. 8/28-9/25/07 Maintain/reinforce controls until the area is stable. 9/25/07	Needs attention
	Stone access remains within the wetlands off Powers Rd. Contractor was removing stone within the wetlands along the edge of the access road, reducing current impacts. Some haybales are in place at the crossing but more may be needed. 9/25/07	Install culverts to reduce turbid run-off as needed. Ensure that controls are adequate to filter run-off at this location. Stabilize area as soon as possible. 9/25/07	Stone was being removed from the wetland along the edge of the access road A few controls are in place; continue to monitor and evaluate
	Exposed soils were seeded where timber mats were removed, but not all stone was removed prior to seeding. 9/25/07	Remove the stone from the wetlands and stabilize the exposed soil with a wetland seed mix. Continue to monitor for stabilization. 9/25/07	Soils were seeded but further attention is needed here
Woodhouse Ave. Harrison Rd.	A large stockpile/exposed soil area remains off Woodhouse Ave. Controls were located downgradient. 9/25/07	Remove/stabilize stockpile when feasible and monitor controls. 9/25/07	Controls are in place
	Controls remain along the slope and haybales are in place at the sediment trap. Several new fiber rolls were installed around the site. The large gully on the slope should be addressed. 9/25/07	Continue to monitor and add controls as needed. Attempt to repair/stabilize the gully. 9/25/07	Several new fiber rolls were installed

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Pond Hill Rd. & Docker Dr. (191 – Rte. 5)	The soil stockpile remains off Harrison Rd. Additional controls were installed. Shrubs were planted in clusters along the stream channel. 9/25/07	Monitor controls around the stockpile and remove the soil when feasible. Monitor new plantings and replace if needed. See Vegetative Clearing and Stabilization Section. 9/25/07	Shrubs were planted along the stream channel Additional controls were installed
Pent Rd. & Oliver Creek Rd.	Exposed soils resulting from a new foundation were overwhelming controls near wetlands. Turbid run-off reaches wetlands during the heavy rain. 9/25/07	Repair/maintain the controls adjacent to the mats and the grading. Consider seeding slopes and both sides of the silt fence to stabilize soils. 9/25/07	Needs attention
S. Turnpike + Merritt Parkway Area	Clearing is complete within the Quinnipiac flood-plain, including at the streambank. 6/12/07 No controls were added but stumps/ roots were retained. 5/30-9/25/07	Now that clearing is complete, add controls as needed and stabilize sloped areas. Continue to retain vegetation and avoid disturbing soil. Monitor river closely. 6/12-9/25/07	Needs evaluation
Mansion Rd. Apple Orchard	Mulch remains along the steep slope off Merritt Parkway adjacent to wetlands. Additional controls may be needed. 9/25/07	Add controls along the steep slope to the river and monitor the area closely for erosion. 9/25/07	Continue to monitor
Mansion Rd. to Tuttle Ave.	A small channel was installed to divert a spring but is causing turbid water to pool at the edge of the access road at two locations. 6/19-9/25/07	A culvert appears to be necessary to prevent turbid water from ponding and reaching wetlands. 6/19-9/25/07	Needs evaluation
Mansion Rd. to Tuttle Ave.	Several wetland crossings are located here. Filter socks and culverts remain in place but heavy rains overwhelmed controls with turbid run-off in several locations. 9/25/07	Continue to monitor and add new controls where needed. 9/25/07	Needs evaluation/ attention
	Significant erosion/ sedimentation was observed during a heavy rainstorm. Turbid water was flowing into wetlands from the culvert and off	Add controls as soon as possible to prevent erosion along the slopes and access road. Controls need to be reinforced at the culvert	Needs attention

Areas of Inspection	Observation	Recommended Action	Corrected Action
Williams Rd to East Center St.	The continued disturbance/fill of the exposed soil adjacent to wetlands in this section was determined to be related to the landowner activities. 9/25/07	See erosion control section for more details. 9/25/07	Most issues are related to the landowner but attempt to improve if feasible
Tamarac Swamp Road	Pad and adjacent controls remain within wetlands. 9/25/07	Monitor and adjust controls as needed. 9/25/07	NA
Powers Rd. & Woodhouse Ave.	Some sedimentation was noted in the wetlands, pushed over the degraded controls where timber mats were removed. Exposed soils were seeded but stone was not removed from the wetland prior to seeding. 9/25/07	Repair and reinforce controls and pull back sediment where feasible. Remove stone from wetlands and reseed as needed. 9/25/07	Exposed soils were seeded but additional attention is needed
	Crews continue to reclaim/restore sections of wetlands off Powers Rd. by removing stone from the edge of the access road. 9/25/07	Seed exposed area with wetland seed mix or similar. Continue to monitor for final stabilization. 9/25/07	Some stone removed from edge of access road to reclaim wetlands. Additional restoration efforts needed
Woodhouse Ave. Harrison Rd.	Run-off from an existing catch basin has formed a gully in the slope that ends at the wetland/stream. A filter sock was added here this week. 9/25/07	Monitor controls and continue stabilization efforts if needed. 9/25/07	Filter sock was added
	Shrubs were planted by hand along the stream channel. 9/25/07	Continue to monitor. See Vegetative Clearing and Stabilization Section. 9/25/07	Shrubs were planted by hand along the stream channel
Pond Hill Rd. & Docker Dr. (I 91- Rte. 5)	Run-off from a recently graded/exposed area has entered the wetlands here. 9/25/07	See erosion control section. 9/25/07	Needs immediate attention
Pent Rd. & Oliver Creek Rd., S. Turnpike + Merritt Parkway Area	Clearing is complete in the Quinnipiac River floodplain and along the bank off Merritt Parkway. Mulch was applied but	See erosion control section. Continue to monitor. Retain as much vegetation as feasible and reduce soil disturbance.	Needs attention

Areas of Inspection	Observation	Recommended Action	Corrected Action
<p>Mansion Rd. Apple Orchard</p> <p>Mansion Rd to Tuttle Ave.</p> <p>Old Farms Rd.</p>	<p>more controls may be necessary. 8/7-9/25/07</p> <p>Pad site remains within the edge of a wetland as permitted. Culverts may also be needed at two small-saturated crossings. 9/25/07</p> <p>Several wetland crossings are in place. Turbid water was overwhelming controls and entering wetlands during the heavy rain. 9/25/07</p> <p>Minor clearing is complete within small sections of wetlands around pad sites. 9/25/07</p>	<p>Additional controls should be added due to the steep slope. Install EC blankets if needed. 7/10-9/25/07.</p> <p>See erosion controls section. Add culvert as needed. 9/25/07</p> <p>See erosion controls section. Reinforce controls as needed. 9/25/07</p> <p>See Vegetative Clearing and Stabilization Section. Continue to monitor. 9/25/07</p>	<p>Needs additional evaluation</p> <p>Needs evaluation/attention.</p> <p>NA</p>
<p>State species of concern, threatened and endangered species.</p> <p>Liney Hall Rd</p> <p>Woodhouse Ave; Harrison Rd. Mansion Rd. to Tuttle Ave</p>	<p>A no entry sign remains near the potential vernal pool off Stony Brook Rd. as an appropriate alternative to construction fencing. 9/25/07</p> <p>Several frog and salamander egg masses were previously noted within a pool located off Liney Hall Ln. but the pool is now dry. This is not a state listed species issue but indicates good amphibian breeding habitat. Area around the pool has been mowed. 9/25/07</p> <p>Evidence of Eastern box turtles has been confirmed off Woodhouse Ave on 5/8/07 and in the section between Mansion Rd. and Tuttle Ave on 7/17/07.</p>	<p>Continue to monitor area and retain distance from active work. 9/25/07</p> <p>Prevent turbidity and direct impacts to these areas to the extent feasible. Property owner may have mowed the area. 9/25/07</p> <p>Both areas should receive the same attention as known protected habitat area along the ROW. Sweeps for turtles should be performed regularly in this area before</p>	<p>NA</p> <p>NA</p> <p>Areas need to be monitored/swept regularly.</p>

Areas of Inspection	Observation	Recommended Action	Corrected Action
	These areas were not marked as potential habitat for Eastern box turtles according to the D&M plan, DEP response letter and NDDDB website. 9/25/07	equipment progresses. 9/25/07	
<p>Vegetative clearing or stabilization</p> <p>Most work areas Have been cleared</p> <p>Williams Rd to East Center St.</p> <p>Woodhouse Ave and Harrison Rd.</p> <p>Powers Rd. Pond Hill Rd. & Docker Dr. (I 91 – Rte. 5) Pent Rd. & Oliver Creek Rd.</p> <p>S. Turnpike + Merritt Parkway Area</p> <p>Mansion Rd. to Tuttle Ave</p>	<p>Vegetation was preserved in areas where invasive species were not dominant. 9/25/07</p> <p>Some areas of exposed soil need controls, but areas that were disturbed by clearing have started to revegetate 9/25/07</p> <p>As requested by state representatives and Siting Council staff, native shrubs were planted in clusters to provide shading for Allen Brook. 9/25/07</p> <p>Grass growth continues in mulched areas near structure #8803A. 9/25/07.</p> <p>Vegetation was retained where possible. Seemingly excessive grading/disturbance was noted in two areas off Docker Dr. 9/25/07</p> <p>Mulch remains on the slopes to prevent erosion. More controls may be needed on the riverbank. 9/25/07</p> <p>Clearing along slopes and wetlands had occurred. The steep slope was eroding and needs stabilization. 9/25/07</p>	<p>Retain vegetation where feasible; confirm that cutting is limited only to areas defined in D&M plan. Be extremely mindful of the extent of clearing flags. 9/25/07</p> <p>Stabilize exposed soil within/adjacent to wetlands. Add controls as needed within wetlands. See erosion control section 9/25/07</p> <p>Continue to monitor and replace shrubs if needed. 9/25/07</p> <p>Continue to monitor for stabilization. Good re-vegetation was noted in the new section of ROW. 9/25/07</p> <p>See erosion control section. Continue to use low impact techniques and retain vegetation and appropriate species. Stabilize disturbed areas off Docker Dr. 9/25/07</p> <p>Monitor area and add controls as needed. 9/25/07</p> <p>Add controls and seed slopes as needed. Add an erosion control blanket if necessary. Monitor area closely. See erosion</p>	<p>NA</p> <p>Needs evaluation and attention</p> <p>Native shrubs have been planted in clusters along Allen Brook</p> <p>NA at this time</p> <p>Needs evaluation.</p> <p>Needs evaluation/attention</p> <p>Needs attention.</p>

Areas of Inspection	Observation	Recommended Action	Corrected Action
<p>Old Farms Rd.</p> <p>Old Farms Rd. (115kV Underground trench-work)</p>	<p>stabilization. 9/25/07</p> <p>Minor clearing appears too be complete at this time within some wetland areas around pad sites. Crews selectively removed smaller trees. 9/25/07</p> <p>Hydroseed was applied to the exposed soils along the edge of the roadway here. Ruts were noted. 9/25/07</p>	<p>closely. See erosion controls section. 9/25/07</p> <p>Continue to monitor and add controls as needed. 9/25/07</p> <p>Continue to monitor for stabilization. See EC Section. 9/25/07</p>	<p>NA</p> <p>Hydroseed has been applied to disturbed areas.</p>
<p>Dewatering</p>	<p>Dewatering had previously been required at the foundations installed south of Carpenter Ln. Some slurry did migrate to the line of controls at the wetland. 5/8-9/25/07</p> <p>Foundation work and dewatering within wetlands off Powers Road is largely complete, however, some slurry/sediment issues remain. 9/6-9/25/07</p> <p>Some slurry washout was noted near the erosion controls as a result of dewatering off Docker Dr. (9/6) 9/25/07</p>	<p>Monitor any dewatering closely and remove slurry accumulation from wetlands. Maintain adequate controls when dewatering. See erosion control section. 5/8-9/25/07</p> <p>See erosion control section for more detail 9/25/07</p> <p>Keep slurry away from controls and monitor the area. 9/25/07</p>	<p>Needs evaluation and attention.</p> <p>Needs evaluation</p> <p>Needs attention.</p>
<p>Blasting</p>	<p>No blasting is proposed. 9/25/07</p>	<p>None</p>	<p>NA</p>
<p>Spills, soils and material storage</p> <p>All Active Sites</p>	<p>Spill control materials are being brought to sites when work is performed. Small drip stains have been noted in several work areas along the ROW. 9/25/07</p> <p>All active sites continue to have small stockpiles associated with drilling</p>	<p>Always use spill control materials when working on equipment and during refueling. Replace as needed. Check equipment daily for leaks and repair as soon as possible. 9/25/07</p> <p>Monitor equipment closely for leaks as they move from site to site to</p>	<p>Needs regular attention.</p> <p>Continue to monitor throughout construction.</p>

Areas of Inspection	Observation	Recommended Action	Corrected Action
Tuttle Ave	and stored equipment during the construction process. 9/25/07 Leaking equipment was not observed here this week. 9/25/07	prevent repeated problems. Always contain and control stockpiles as soon as possible. 9/25/07 In general, leaking equipment should be moved away from wetlands and repaired before leaving work area. 9/25/07	Leaking equipment not observed this week
Durham Rd.	Leaking equipment was parked with appropriate spill containment controls. 9/25/07	Spill controls should be maintain and refreshed as needed until equipment is repaired. Avoid using equipment in wetlands/sensitive areas and remove any contaminated soils as soon as possible. 9/25/07	Leaking equipment needs maintenance. Controls are in place.
Additional Observations	None 9/25/07	None	

Next likely scheduled inspection: Monday October 1, 2007

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.

Field Inspector: Matt Creighton, BSC Group

Reviewer: Lee Curtis, BSC Group



Carpenter Ln: View of the new staging area within the wetlands.



Durham Rd: Leaking equipment was noted here this week. Proper spill controls were in place.



Liney Hall Ln: Fiber rolls remain in place here. Area around pool (amphibian breeding habitat) has been mowed



Powers Rd: Restoration efforts continue adjacent to wetlands here.



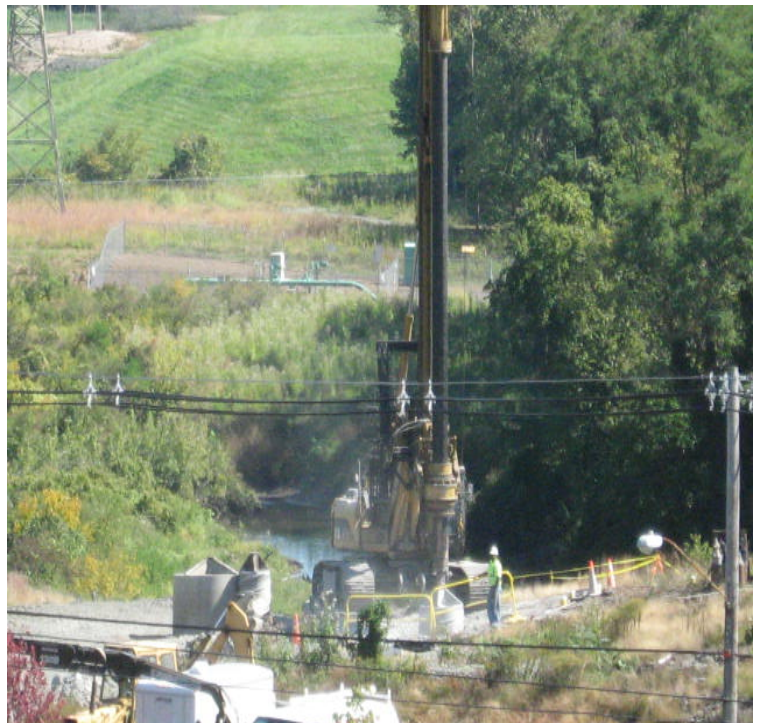
Harrison Rd: Shrubs were planted by hand along the stream channel.



Harrison Rd: Haybales and a silt sock are in place at the sediment trap and along the slope.



Docker Dr: Exposed soil resulting from recent foundation work has overwhelmed controls near the wetland here.



South Turnpike: Foundation drilling continues in this section. Controls are in place.



Tuttle Ave: Concrete was being poured here this week.



Tuttle Ave: Foundation drilling continues.



Old Farms Rd: Exposed soils were hydroseeded, but some ruts were noted here.



Old Farms Rd: Line pulling equipment is onsite.