

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: March 24, 2008

Inspector: Matthew Creighton

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

Rainfall: 0.24” 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. 3/24/08	See Erosion Control Section for more details 3/24/08	Not applicable (NA)
Carpenter Ln. to Rte 68	South of Carpenter Ln, some timber mat & stone staging areas remain within wetlands. A large area remains rutted, muddy, and disturbed following recent activity. 3/24/08	See the erosion control section for more details. Continue to sweep the roadway as needed. 3/24/08	The area needs stabilization within timelines.
Durham Rd. Liney Hall Ln.	An equipment bridge crossing remains over the Muddy River tributary and a second bridge is in place off Liney Hall Rd. Water was flowing across the road off Durham Rd 3/24/08	Continue to monitor and add controls as needed. Keep equipment out of the access road south of Durham Rd (if possible), while it is flooded. 2/20-3/24/08	Continue to restrict access at Durham Rd. if possible.
	Sediment tracking was swept from Liney Hall Ln. at the ROW access but the ruts remain at the entrance. 3/11-3/24/08 Snow and stone had been plowed onto the timber mats and subsequently into the wetlands. 2/26-3/24/08	Continue to sweep the roadway on a regular basis and install a tracking pad (or refresh stone at the entrance. 3/11-3/24/08 Carefully remove stone from the wetlands. When plowing snow, monitor wetland boundaries and place snow in upland areas 2/26-3/24/08	Roadway was swept but entrance needs additional attention. Needs attention

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Tamarack Swamp Rd.	<p>Plows have pushed snow and associated stone/sediment to the boundaries of the wetlands when clearing the pad. 12/26-3/24/08 Material remains contained by the controls 3/24/08</p> <p>Access road within the pasture east of the roadway includes wetland crossings via culverts. Roadway is free of sediment. Turbid water has been noted flowing around the site during storms but largely due to the existing field conditions. Timber mats within the field were reconfigured leaving an exposed area. 3/24/08</p>	<p>Snow should not be plowed up to or within the wetlands as it will likely result in deposition of sediment. Pull sediment back from this area and ensure controls are in good shape. 12/26-3/24/08</p> <p>Clean/sweep roadway as needed during work and monitor controls at wetland crossings. Continue to monitor and see erosion control section for details. 3/24/08</p>	<p>Material is currently contained.</p> <p>NA at this time.</p>
Powers Rd.	<p>New access road installed to bypass new line anchors placed within the access road. Timber mats remain at a saturated crossing. A line of haybales and silt fence remain in place to filter run-off. 3/24/08</p>	<p>Controls should be monitored and replaced as needed. If sediment has accumulated more than 2" here, it should be removed from the wetlands by hand, not to disturb the natural vegetation. 3/24/08</p>	<p>Haybales and silt fence were installed.</p>
Williams; S. Turnpike + Merritt Parkway; Mansion Rd.; Durham Rd.; Stony Brook; Pent Rd.; Oliver Creek Rd.	<p>No sediment tracking was noted on any of these roadways and the adjacent areas appear stable. Stone construction entrance pads remain in place at entrances. 3/24/08</p>	<p>Continue to monitor entrances and sweep as needed. 3/24/08</p>	<p>NA</p>
Pond Hill Rd. Docker Dr.	<p>Exposed soils remain mulched and seeded off Pond Hill Rd. However, controls were not installed at wetlands. Additional controls were installed upgradient from the wetland off Docker Dr. ATVs have been causing ruts and disturbance in areas</p>	<p>Contractors have made efforts to stabilize the area several times but ATV traffic is high in this area. Evaluate ways to keep ATVs out. Return for final stabilization when the ground thaws. 3/4-3/24/08 See erosion control section for more details</p>	<p>Needs attention during thaw conditions.</p>

Areas of Inspection	Observation	Recommended Action	Corrected Action
<p>Mansion Rd to Tuttle Ave.</p> <p>Old Farms Road</p>	<p>disturbance in areas between Pond Hill Rd and Docker Dr. (since 12/4) 3/24/08</p> <p>A culvert remains in place to help prevent ponding in the access road. Water bars remain in place across the access road to slow and filter stormwater. 3/24/08</p> <p>Plywood is being used on driveways crossing the ROW to reduce the impact from equipment. 12/18-3/24/08</p> <p>Drainage swale/ waterbar was installed at the low, saturated area along driveway (1/15). Turbid water was not noted leaving the driveway via this swale. 3/24/08</p> <p>Equipment has damaged the access driveway for overhead work. (Since 1/8) New stone remains at the access driveway over the pavement to reduce tracking and run-off. 3/24/08</p> <p>Ruts were noted in the previously mulched areas along the access road to Cook Hill Jct. (Since 3/11) 3/24/08</p> <p>The previously hydroseeded area along the shoulder of the roadway is rutted and disturbed from vehicle access. 1/8-3/24/08</p>	<p>section for more details. 3/24/08</p> <p>Monitor the area and add controls if needed. 3/24/08</p> <p>Continue to monitor for sediment on roadway and driveways; continue to use rubber mats or plywood to protect driveways. 12/18-3/24/08</p> <p>Additional controls are needed here for heavy rains, potentially haybale check dams along the swale. 3/24/08</p> <p>Remove stone upon completion of work and evaluate and repair the driveway as needed where damaged. 1/22-3/24/08</p> <p>Regrade the area and provide additional stabilization. 3/24/08</p> <p>Re-grade and restore the rutted areas. 1/8-3/24/08</p>	<p>NA</p> <p>NA at this time</p> <p>Needs attention when working in saturated conditions.</p> <p>Needs evaluation and attention upon project completion.</p> <p>Needs attention.</p> <p>Needs attention when feasible.</p>
<p>Foundation and site construction</p>	<p>Line work is underway off Durham Rd. 3/24/08</p>	<p>Evaluate and repair controls before entering</p>	<p>NA.</p>

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	<p>Trenching/excavation work was noted at Cook Hill Jct. 3/24/08</p>	<p>sites and during construction as needed. 3/24/08</p> <p>Stabilize the area upon completion of work.</p>	<p>NA</p>
<p>Erosion and sediment controls Carpenter Ln. to Rt. 68</p> <p>Durham Rd. Liney Hall Ln.</p> <p>Williams Rd to East Center St.</p> <p>Tamarack Swamp Rd.</p>	<p>Clear water was noted within wetlands. However, high flow is present within the ditch/outlet, and haybales will not remain in place. 3/24/08 ATV traffic was also noted in this area, damaging controls and leaving ruts (since 1/16). Area is heavily rutted and disturbed from recent activities. 3/18-3/24/08</p> <p>Steep slope off High Hill Rd. has a small, eroded washout channel. ATV tracks were also noted disturbing the vegetative cover in this area. (since 12/4) Water bars remain to contain and filter stormwater. 3/24/08</p> <p>Controls remain intact along the access road and bridge south of Durham Rd. Timber mats and fiber rolls remain in place. 3/24/08</p> <p>Timber mats and silt fence remain in place at the Stony Brook site access. 3/24/08</p> <p>Two small detention basins were used as slurry dewatering areas. Silt fence and a mulched berm are in place around the basins. 3/24/08</p> <p>A pad and foundation remain within wetlands with an adjacent area of</p>	<p>Provide additional attention in the spring to establish vegetative cover. Monitor the outlet for turbid water and replace controls when feasible. Disturbed areas will need temporary stabilization. 3/24/08</p> <p>Evaluate measures to keep ATVs out of the area.</p> <p>Evaluate measures to keep ATVs out of the area. Regrade and add controls as needed to the slope. Perform final slope stabilization in the growing season. 12/4-3/24/08</p> <p>Monitor and add controls along the road or wetland as needed. See Inland wetland section for more information on this area. 3/24/08</p> <p>Add controls as needed in this area. Stabilize soils when applicable. 3/24/08</p> <p>If these pump-out areas are no longer needed, they should be final graded and stabilized when feasible 3/24/08</p> <p>Ensure that sediment from both encroachments is removed, not just</p>	<p>Water in the outlet is clear.</p> <p>Area needs final grading and stabilization within timelines.</p> <p>Continue to monitor.</p> <p>Restrict access in flooded areas when feasible.</p> <p>NA</p> <p>NA</p> <p>See Inland wetland section.</p>

Areas of Inspection	Observation	Recommended Action	Corrected Action
<p>Powers Rd. Woodhouse Ave. Harrison Rd.</p>	<p>standing water west side of roadway. Some encroachment has occurred both during installation and wire grounding. Controls were replaced around the sediment on 12/26 and new hay mulch was recently applied. 3/24/08</p>	<p>encompassed, or determine if existing conditions are covered by the permit 12/26-3/4/08. Contractors are regularly evaluating pads to ensure impacts are within permitted dimensions. See Inland wetland section for more details 3/24/08</p>	
	<p>On the east side, timber mats had been repositioned for the crane work that is still needed. This left an exposed area that may need controls. 3/18-3/24/08</p>	<p>Stabilize any exposed soils from timber mat repositioning. Add controls as needed. See access roads section. 3/18-3/24/08</p>	<p>Continue to monitor- may need controls</p>
	<p>Timber mats on the bypass access road off Powers Rd. are compressing into the mud resulting in turbid run-off. However, controls had been sufficiently extended along the wetland to contain the run-off. 3/24/08</p>	<p>Continue to stabilize the area and maintain controls. If sediment has accumulated in the wetland, it should be removed by hand. 3/18-3/24/08</p>	<p>Controls are in place along the wetland edge.</p>
	<p>The previously seeded stockpile area off Woodhouse Ave. will not become (permanently) stable during winter. Vehicle tracks were noted in the reclaimed areas. 11/27- 3/24/08</p>	<p>Ensure sufficient stabilization for winter months. Avoid access once an area is temporarily or permanently stabilized. 11/27-3/24/08</p>	<p>NA at this time. Continue to monitor until the growing season</p>
	<p>Controls, including several large fiber rolls remain along the slope and at the sediment trap and gully off Harrison Rd. Several heavy rain events have finally eroded soils, undermining the controls. The gully here had been noted since 9/25 but had not worsened until recently. 3/11-3/24/08</p>	<p>Continue to monitor and adjust controls as needed. The eroded gully should be graded and stabilized to avoid undermining the controls. 10/2-3/24/08</p> <p>The controls need to be reinforced and a more permanent solution is being evaluated. Continue to remove the sediment that has</p>	<p>Gully and controls need a more permanent solution. Contractors are discussing this issue.</p> <p>Sediment was removed from controls.</p>

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<p>Pond Hill Rd. & Docker Dr. (I 91 – Rte. 5)</p>	<p>sediment that had been carried down the slope and over controls had been pulled back. 3/24/08</p> <p>Controls off Docker Dr. near the wetlands were recently reinforced. Large areas of exposed soils are gullyng from heavy rains and/or been disturbed by ATVs (since 11/6). Crews have been here multiple times but ATV traffic is very active. Gullies are worsening in the recent rains. 3/24/08</p>	<p>accumulated over the controls at the stream. 3/24/08</p> <p>Continue to maintain controls adjacent to the brook here. 3/4/08 Crews plan to return as soon as weather conditions allow to apply bark mulch to encourage stabilization. ATV traffic will be difficult to control as they are accessing from abutting land and have always disturbed this area. 2/20-3/24/08</p>	<p>Needs attention when ground conditions are appropriate.</p>
<p>Old Farms Rd.</p>	<p>Turbid run-off was noted several times (since 11/6) from work near structure #24209, on the access roads, and roadway. A drainage swale is in place (since 1/16) to prevent turbid run-off from the saturated driveway crossing however, run-off was noted during heavy rains. Additional mulch and silt fence were added to exposed soils recently. Eroded gullies/rills were noted on the slope. 3/4-3/24/08</p>	<p>Continue to stabilize disturbed areas to the extent feasible and ensure the area is contained by controls, including CB liners, as needed to filter run-off. Additional controls should be used in the drainage areas. 3/24/08</p>	<p>Continue to evaluate and stabilize.</p> <p>Area needs additional attention for periods of heavy rain.</p>
<p>Cook Hill Jct.</p>	<p>Soils remain stockpiled upgradient from wetlands onsite with sediment observed migrating beneath the filter sock controls here (since 3/4) Crews were in the process of removing the pile but work was on hold. 3/24/08</p>	<p>Temporarily stabilize soils in this active area as soon as possible. 12/26-3/18/08 Continue to remove the stockpile and reinforce controls until this work is complete. 3/18-3/24/08</p>	<p>Controls need attention. The stockpile was being removed.</p>
<p>Inland Wetland and Watercourse encroachment and mitigation</p>	<p>Work has occurred in jurisdictional wetlands under an ACOE permit</p>	<p>Approved work in wetlands will follow the permit guidelines. 3/24/08</p>	<p>NA</p>

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	<p>In accordance with the D&M Plan, all work occurring in and around wetlands should be expedited to minimize potential adverse impacts to wetlands and reduce disturbances to wetland soils. This includes attending to restoration of adjacent upland areas when work is complete. 3/24/08</p>	<p>Final stabilization and reclamation efforts should occur in completed areas in and around wetlands. Any additional work needed in and around wetlands should be expedited to allow for final stabilization procedures to commence. Any stabilization at this time will have to account for winter months. 3/24/08</p>	<p>Continue to evaluate.</p>
Carpenter Ln. to Rte 68	<p>Sections of ROW are located within the McKenzie Watershed Protection District of the Town of Wallingford from existing pole #8798 to Beseck SS. 3/24/08</p>	<p>This area should be closely monitored. Monitor equipment for leaks whenever working in these sensitive areas. Refuel and store equipment outside of the district. 3/24/08</p>	<p>Needs to be monitored</p>
Durham Rd. Liney Hall Ln.	<p>Some of the timber mat staging areas remain in place within wetlands off Carpenter Ln. Haybales cannot remain upright in the high flow at the outlet but water is clear. Large disturbed area noted upgradient from wetlands 3/18-3/24/08</p>	<p>Monitor for run-off. Continue to remove any staging areas from the wetlands as soon as feasible and provide sufficient stabilization in the recently disturbed area. 3/18-3/24/08</p>	<p>Work should be expedited here. Stabilization needed within timelines.</p>
	<p>Timber mats are in place at the wetland crossings in these sections and well installed bridges are in place for two larger stream channels. The access off Durham Rd. is flooded but flow is filtered by controls. 3/24/08</p>	<p>Continue to monitor and add controls as needed. Monitor the bridge surface for sediment tracking. Avoid equipment access through flooded areas if feasible. 3/24/08</p>	<p>Restrict access in flooded areas when feasible.</p>
Tamarack Swamp Road	<p>Snow removal activities have pushed stone onto timber mats and subsequently into wetlands off Liney Hall. 2/26-3/24/08</p>	<p>Remove stone, carefully by hand, from wetlands and pull stone back from the timber mats. 2/26-3/24/08</p>	<p>Needs attention.</p>
	<p>Pad and adjacent controls</p>	<p>Area is sensitive and should be monitored</p>	<p>The contractor has stated</p>

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<p>Powers Rd. & Woodhouse Ave.</p>	<p>remain within wetlands. In two separate occasions, during active work, sediment was pushed over controls into wetlands. Controls were replaced around the sediment each time but the encroachments were not removed. However, the contractor is evaluating pads with GPS to ensure limits are within what was permitted. 2/20-3/24/08</p> <p>Soils exposed by timber mat removal were seeded, but not all stone was removed from the wetland prior to seeding (noted 9/25) Well-established grass cover is in place. Turbid run-off noted from the access road bypass was reaching the wetland (3/4-3/11) Additional controls have been installed. 3/24/08</p>	<p>should be monitored closely. Pull soil back before installing new controls, do not just encompass it. 12/4-2/20/08 The contractor stated that pads are within the proposed/permitted size limits. 2/20-3/24/08</p> <p>Remove the stone from the wetlands to the extent feasible (recommended since 9/25) However, crews continue to return here for line work, potentially disturbing the area again before final stabilization. 3/24/08 Check wetlands for accumulated sediment and remove by hand if necessary. 3/18-3/24/08</p>	<p>that pads are within the proposed/permitted size limits.</p> <p>1st area needs attention during final restoration</p> <p>Good controls are in place.</p> <p>Wetlands need evaluation.</p>
<p>Mansion Rd to Tuttle Ave.</p>	<p>Several wetland crossings are in place. 3/24/08</p>	<p>Monitor and maintain controls. Crossings will need to be restored when access needs are complete. 3/24/08</p>	<p>NA at this time.</p>
<p>Old Fams Rd.</p>	<p>Wetland clearing and crossing complete via an existing bridge and culvert. Disturbed areas remain mulched and seeded. 3/24/08</p>	<p>Additional controls may be needed to prevent run-off from any soil disturbance. See access road and erosion control sections. 3/24/08</p>	<p>NA at this time.</p>
<p>State species of concern, threatened and endangered species.</p> <p>Liney Hall Rd</p>	<p>A no entry sign remains near the potential vernal pool off Stony Brook Rd. as an appropriate alternative to construction fencing. 3/24/08</p> <p>Several frog and salamander egg masses were previously noted</p>	<p>Continue to monitor area and retain distance from active work. 3/24/08</p> <p>Prevent turbidity and direct impacts to these areas to the extent</p>	<p>NA</p> <p>NA</p>

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<p>Woodhouse Ave; Harrison Rd. Mansion Rd. to Tuttle Ave</p>	<p>within prime amphibian breeding habitat, located off Liney Hall Ln. This is not a state listed species issue but indicates good amphibian breeding habitat. 3/24/08</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. 3/24/08</p>	<p>feasible. 3/24/08</p> <p>Both areas should receive the same attention as known protected habitat area along the ROW. The dormant season began Nov. 1st but sweeps for turtles will be required once active season begins on April 1st 3/24/08</p>	<p>NA at this time.</p>
<p>Vegetative clearing or stabilization</p> <p>Most work areas Have been cleared</p> <p>Woodhouse Ave and Harrison Rd.</p> <p>Pond Hill Rd. & Docker Dr. (191 – Rte. 5) Pent Rd. & Oliver Creek Rd.</p>	<p>Vegetation was preserved in areas where invasive species were not dominant. 3/24/08</p> <p>Work is complete, at least temporarily, in many areas along the route. However, crews continue working on lines through the ROW. 3/24/08</p> <p>As requested by state representatives and Siting Council staff, native shrubs were planted (9/18) in clusters to provide shading for Allen Brook. 3/24/08</p> <p>All of the previously applied seed/hay has washed away at Docker and turbid run-off and erosion was resulting. The slope will require more attention during thaw periods. 2/26-</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. 3/24/08</p> <p>The D&M states that areas should be temporarily stabilized if work will not return in 21 days. At this time, winter stabilization measures will be needed (including mulch or erosion control mats as needed). 12/4-3/24/08</p> <p>Continue to monitor and replace shrubs if needed. 3/24/08</p> <p>See erosion control section. Apply additional mulch with binders or erosion control mats as applicable to encourage stabilization at this time of year. 11/20-3/24/08</p>	<p>NA</p> <p>Final stabilization will be needed upon completion of work.</p> <p>NA at this time.</p> <p>Slopes need additional attention during thaw. Contractors are scheduled to return here with heavy mulch in the near future.</p>

Areas of Inspection	Observation	Recommended Action	Corrected Action
<p>Old Farms Rd. (115kV Underground trench-work)</p>	<p>3/24/08 Rills and gullies were worsening 3/18-3/24/08</p> <p>Soil remains exposed here due to recent active work. Mulch was recently applied in some spots but erosion was noted. 3/18-3/24/08. Previously hydroseeded areas along the shoulders of Old Farms Rd. also have ruts and disturbance. 12/26-3/24/08</p> <p>Clearing has been complete for some time. Mulch and seed were applied for temporary stabilization. 3/24/08</p>	<p>See erosion control section. Encourage stabilization as soon as feasible wherever work is complete in this section. 3/24/08</p> <p>Regrade the disturbed/rutted area and stabilize. 12/26-3/24/08</p> <p>Retain vegetation where feasible; confirm that cutting is limited only to areas defined in D&M plan (20ft in this location). Be extremely mindful of the extent of clearing 3/24/08</p>	<p>Needs additional attention.</p> <p>Needs to be monitored.</p>
<p>Dewatering</p>	<p>It appears all foundations and dewatering is complete at this time. 3/24/08</p>	<p>Remove and stabilize old dewatering pits as necessary, if dewatering is completed in the area. 3/24/08</p>	<p>NA at this time. Work should shift to restoration.</p>
<p>Blasting</p>	<p>No blasting is proposed. 3/24/08</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. 3/24/08</p> <p>Some active sites continue to have small stockpiles associated with drilling and stored equipment during the construction process. This includes a stockpile noted off Tamarack Swamp Rd. 3/24/08</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. 3/24/08</p> <p>Always contain and stabilize stockpiles as soon as possible. Filter socks were noted at the base of the one of Tamarack Swamp Rd. but it was not fully enclosed. 3/24/08</p>	<p>Needs regular attention.</p> <p>Continue to monitor throughout construction.</p>

Areas of Inspection	Observation	Recommended Action	Corrected Action
Old Farms Rd.	Approximately 1/2 of the soil remains stockpiled upgradient of the wetlands and controls remain in place. Soil has been overwhelming the controls since 3/4. Work has been on hold while disposal details are worked out. 3/24/08	Keep storage materials away from wetlands. Ensure it is not within 100 feet of wetlands. See erosion control section. 12/26-3/18/08 Continue to remove soil when feasible and reinforce controls. 3/24/08	A portion of the stockpile has been removed. Additional controls are still needed.
Additional Observations	None 3/24/08	None	

Next likely scheduled inspection: Tuesday April 1, 2008

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: Diana Walden, BSC Group



Carpenter Ln: A large, recently exposed area needs stabilization



Durham Rd: Line work was underway.



Tamarack Swamp Rd: Stockpile should be removed or stabilized. Controls were present at the base but the soil is not fully contained.



Powers Rd: Haybales and silt fence installed to filter run-off from the saturated, timber mat bypass-crossing.



Powers Rd: Timber mat bypass is stable. Additional controls were installed downgradient.



Harrison Rd: Stormwater has eroded soils and undermined controls where the gully had been noted on the slope for several months. Sediment has been pulled back from the controls but a long term solution needs to be evaluated.



Docker Dr: Eroded rills/gullies had worsened along the slope due to heavy rain. Mulch/seed have washed away. Contractors are scheduled to return here with heavy mulch in an attempt to stabilize the area.



Old Farms Rd: Small stockpile and excavation/trench work noted at Cook Hill Jct. Fill and stabilize as needed upon the completion of work.