


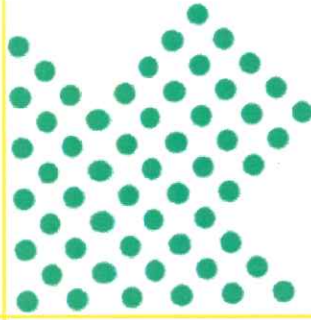
NEW ENGLAND
EAST  **WEST**
SOLUTION

Interstate Reliability Project
CSC Field Tour

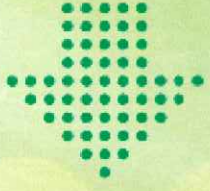
April 24, 2012



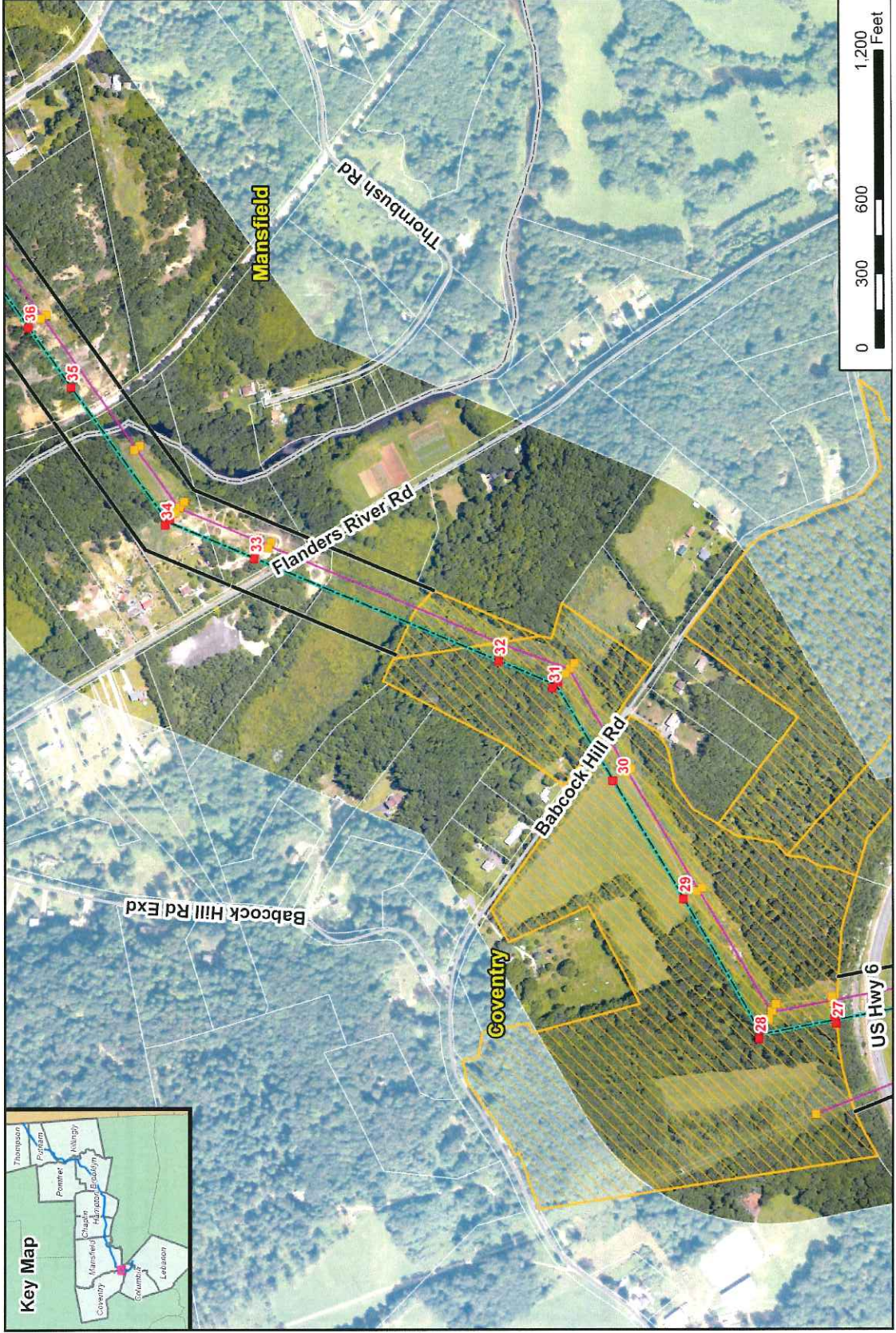
**Connecticut
Light & Power**
A Northeast Utilities Company



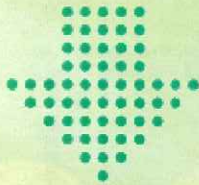
RECEIVED
APR 24 2012
SITTINGHILL
CONNECTICUT



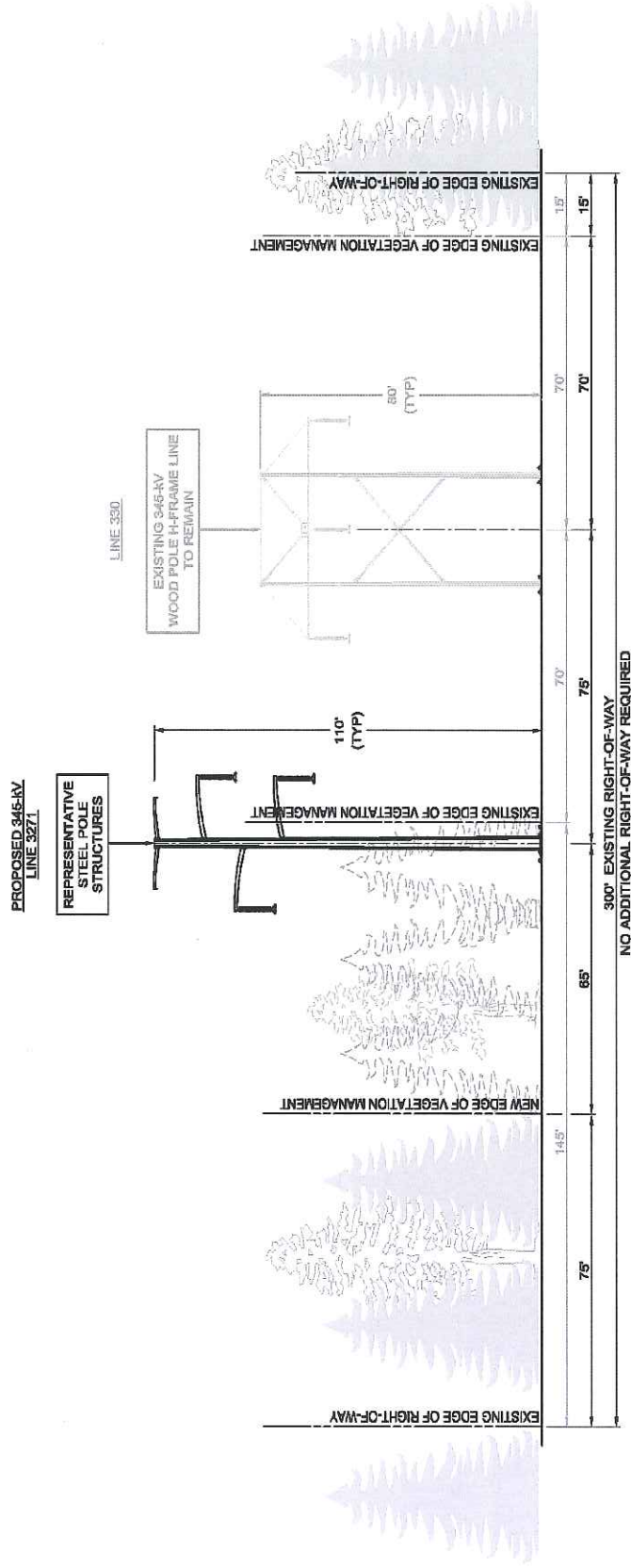
1. Babcock Hill Road / Flanders River Road - Coventry



1. Babcock Hill Road / Flanders River Road - Cross section - BMP FOCUS AREA A*

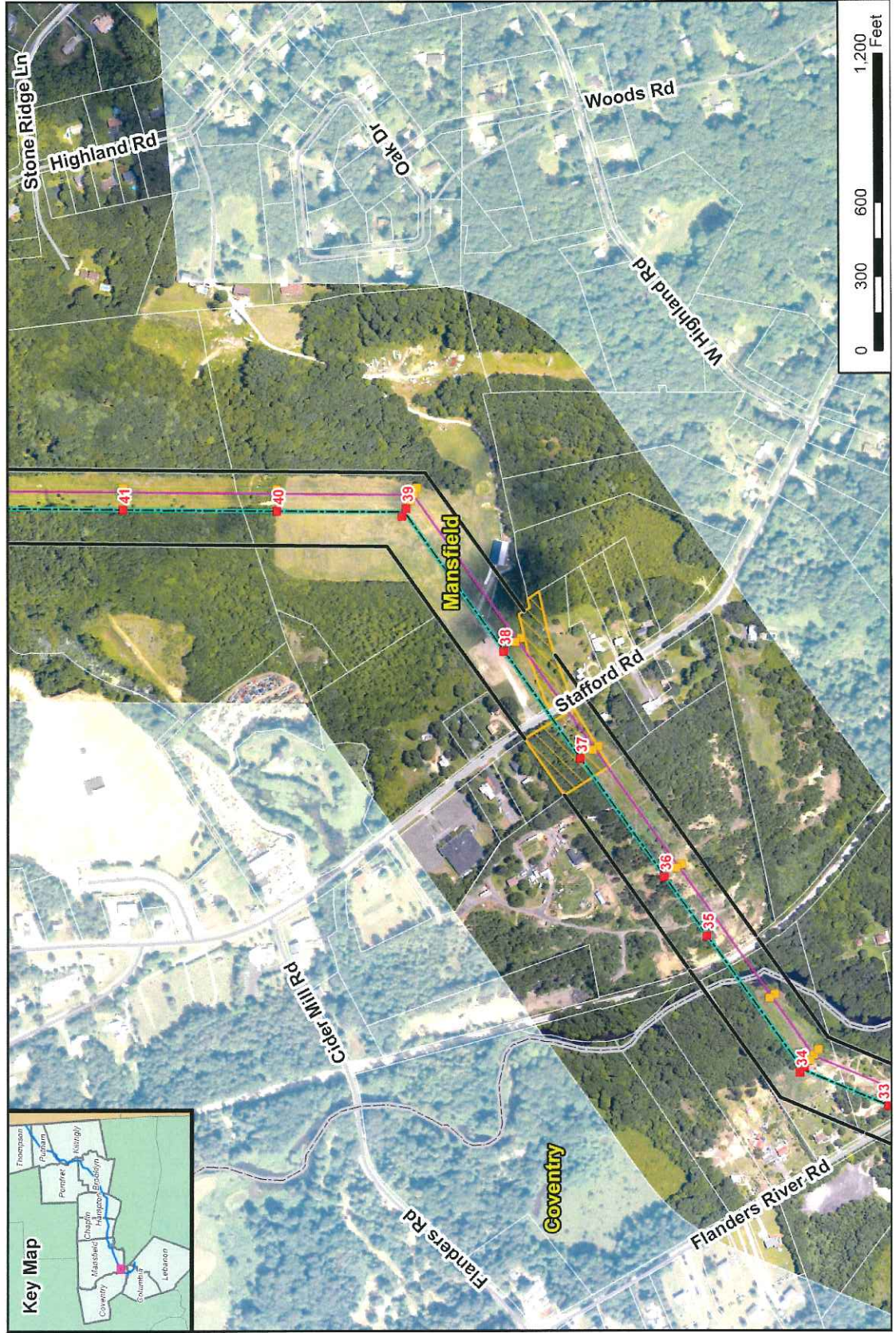
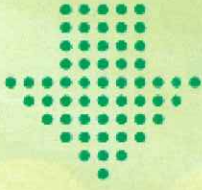


*BMP Focus Area: A section of the Project's Proposed Route under consideration for Electric and Magnetic Field Best Management Practices consistent with the CSC's 2007 guideline (Reference Vol. 1, Section 7, Appendices 7A and 7B of CSC application).

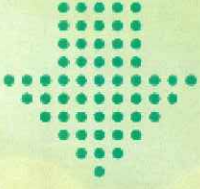


- **Right-of-Way Vegetation:** Open field-shrub, upland and wetland forest, agricultural, house/yard
- **Terrain:** Broad hilltops to steep
- **Existing Right-of-Way Width:** 300 to 350 feet
- **Proposed Expansion of Right-of-Way Width:** 0 feet
- **Existing Managed Right-of-Way Width:** 140 to 275 feet
- **Additional Managed Right-of-Way Width Required:** 70 feet

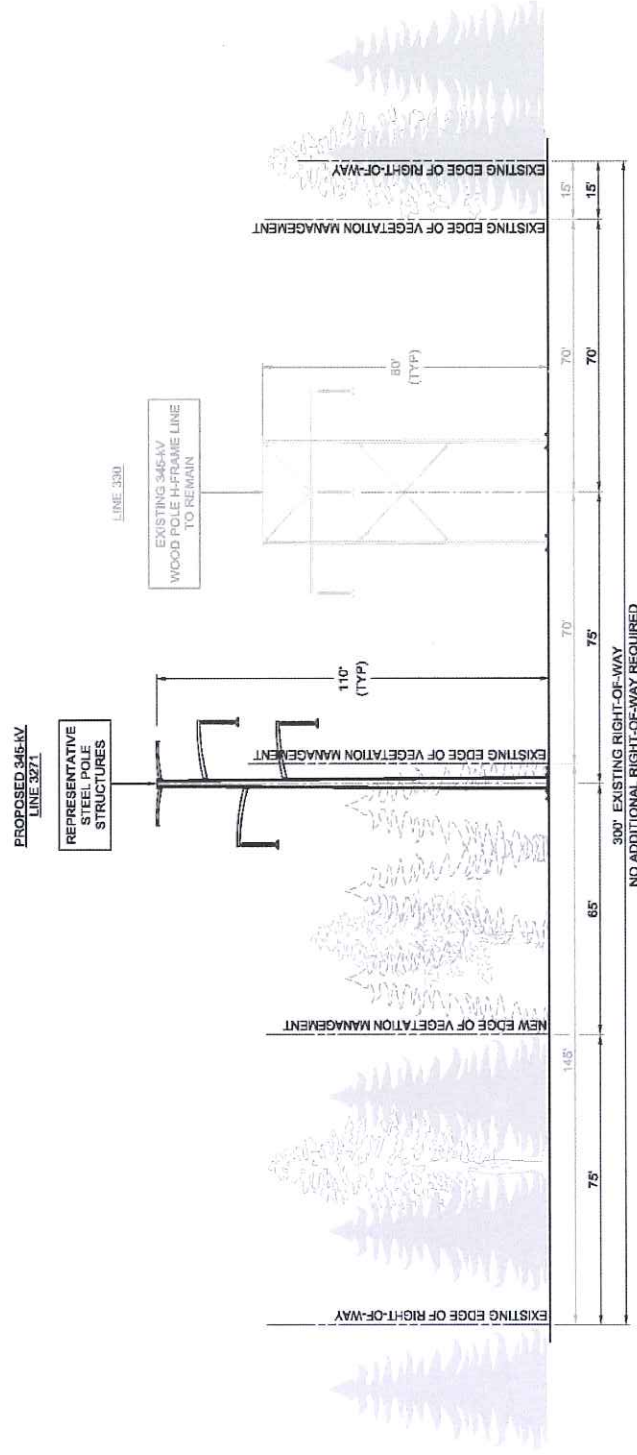
2. Stafford Road (Rt. 32) - Mansfield



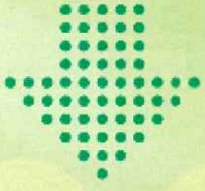
2. Stafford Road (Rt. 32) – Cross section - BMP FOCUS AREA A*



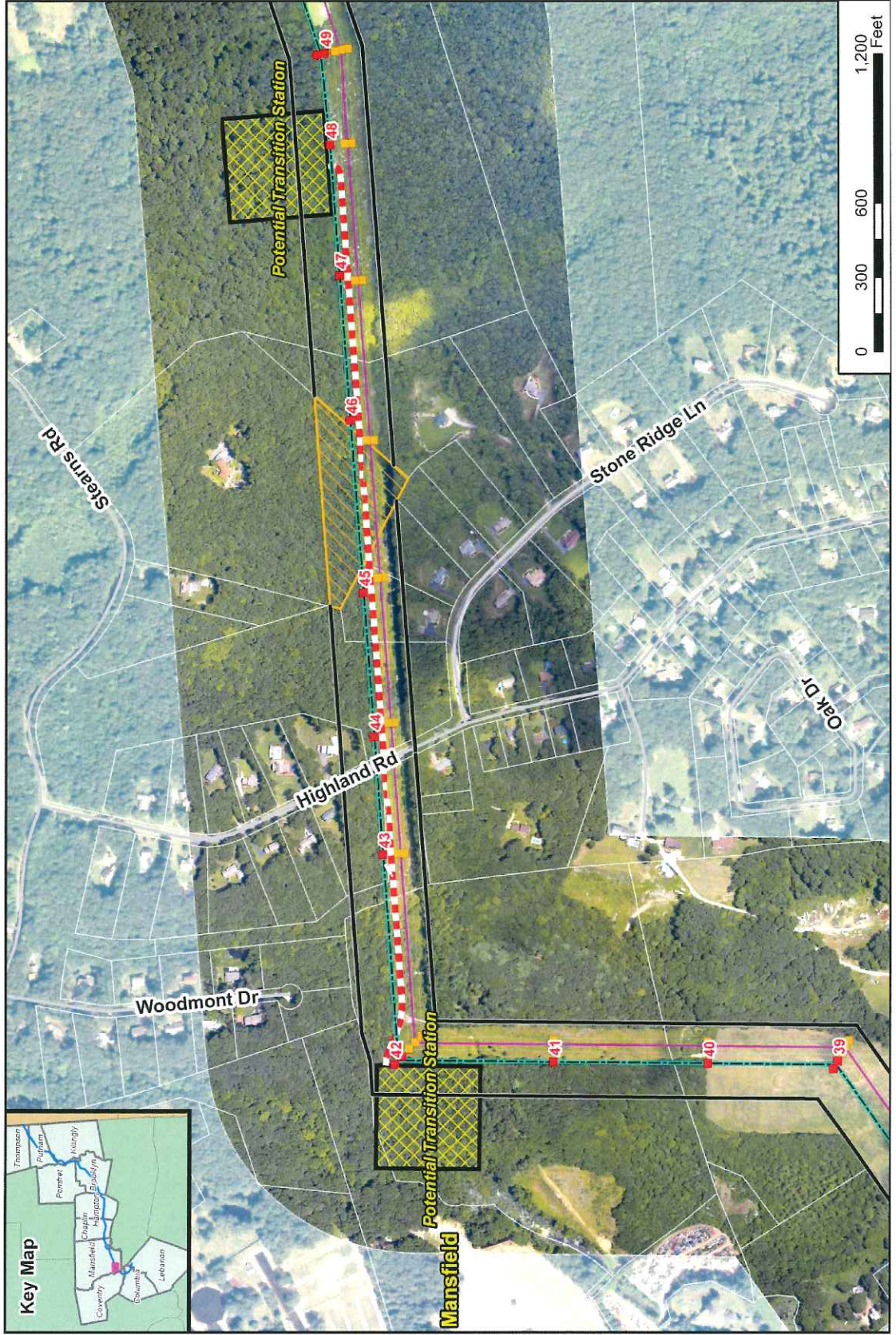
*BMP Focus Area: A section of the Project's Proposed Route under consideration for Electric and Magnetic Field Best Management Practices consistent with the CSC's 2007 guideline (Reference Vol. 1, Section 7, Appendices 7A and 7B of CSC application).



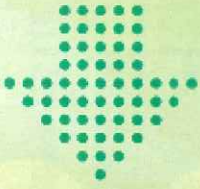
- **Right-of-Way Vegetation:** Open field-shrub, upland and wetland forest, house/yard
- **Terrain:** Steep to hilly
- **Existing Right-of-Way Width:** 300 feet
- **Proposed Expansion of Right-of-Way Width:** 0 feet
- **Existing Managed Right-of-Way Width:** 140 to 300 feet
- **Additional Managed Right-of-Way Width Required:** 70 feet



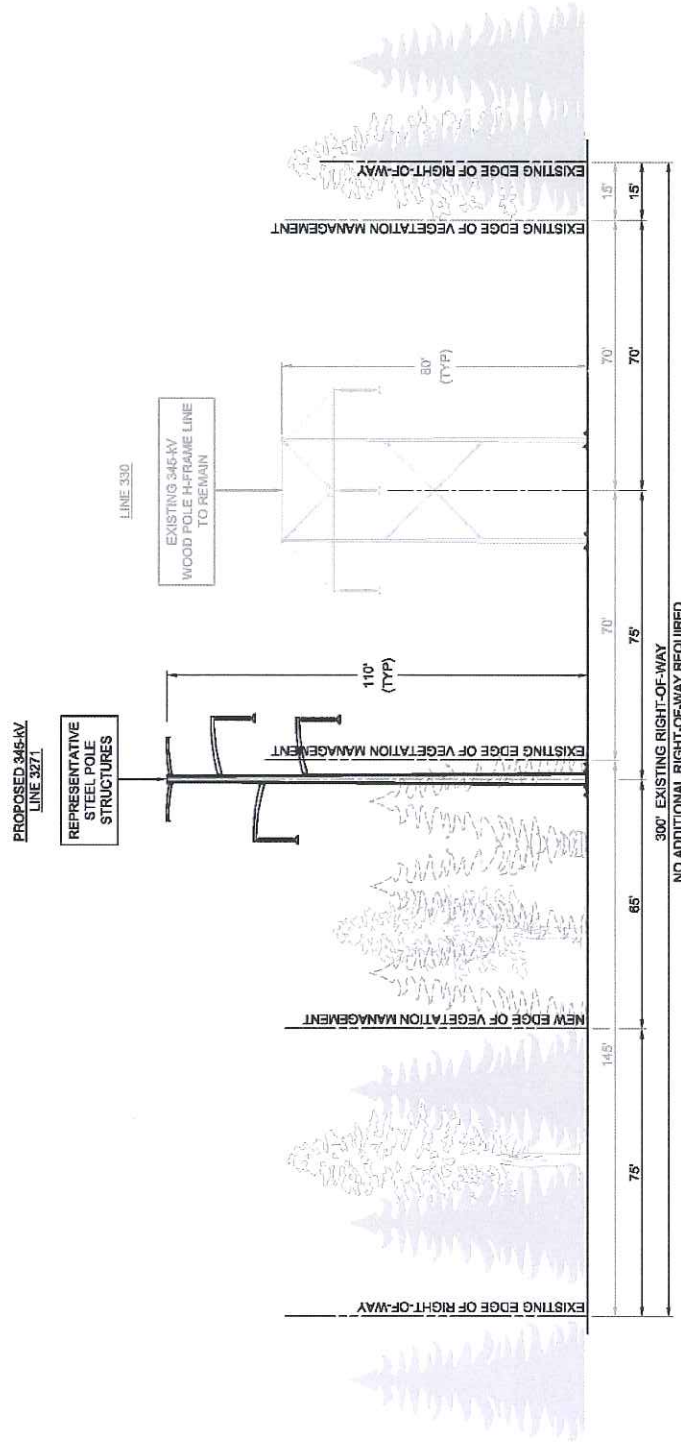
3. Highland Road / Stearns Road - Mansfield



3. Highland Road /Stearns Road - Cross section - BMP FOCUS AREA A*



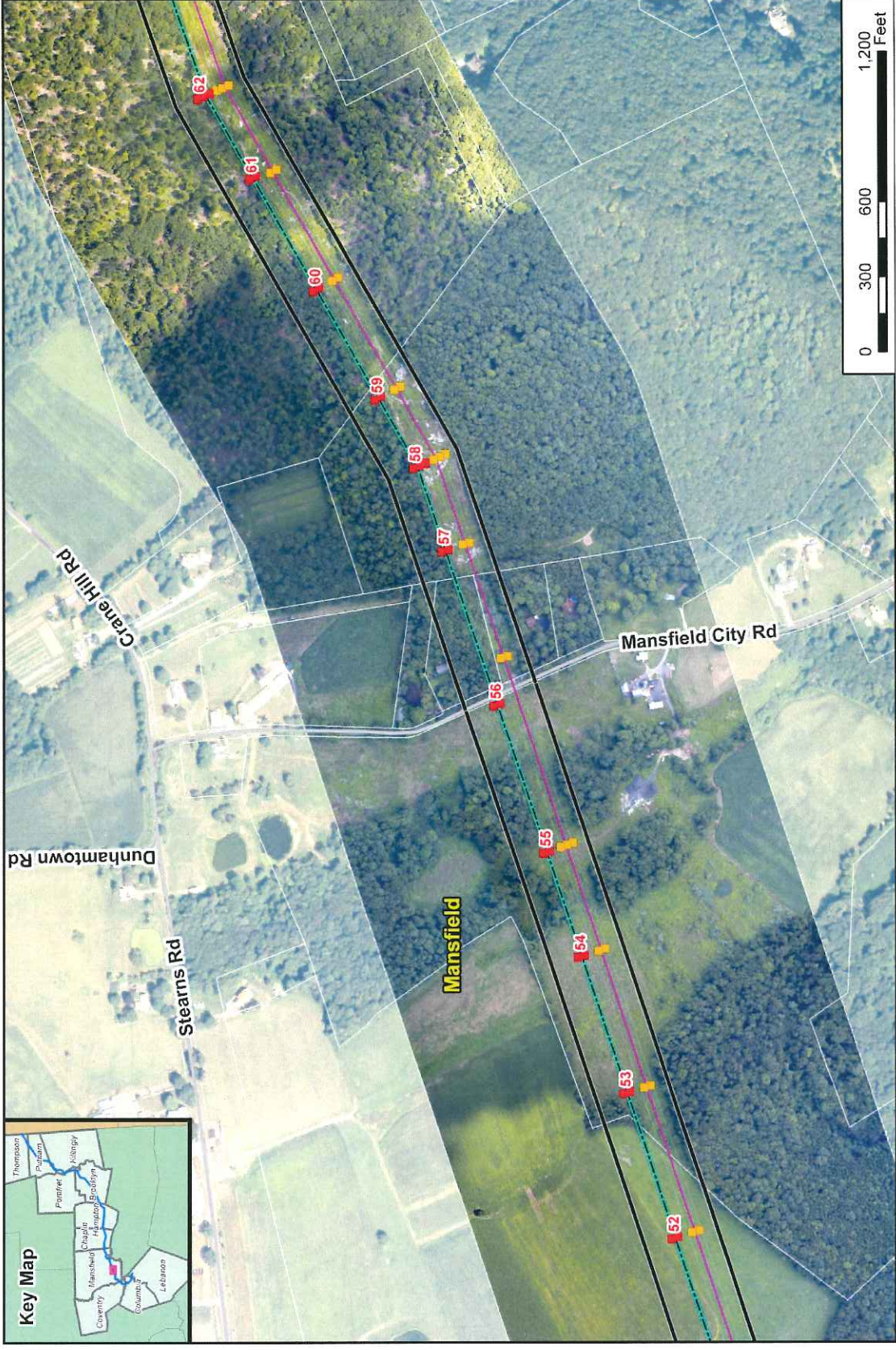
*BMP Focus Area: A section of the Project's Proposed Route under consideration for Electric and Magnetic Field Best Management Practices consistent with the CSC's 2007 guideline (Reference Vol. 1, Section 7, Appendices 7A and 7B of CSC application).



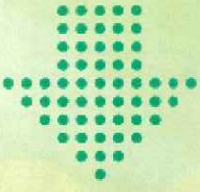
- **Right-of-Way Vegetation:** Open field-shrub, upland and wetland forest, agricultural, house/yard
- **Terrain:** Broad hilltops to steep slopes
- **Existing Right-of-Way Width:** 300 feet
- **Proposed Expansion of Right-of-Way Width:** 0 feet
- **Existing Managed Right-of-Way Width:** 140 feet
- **Additional Managed Right-of-Way Width Required:** 70 to 90 feet



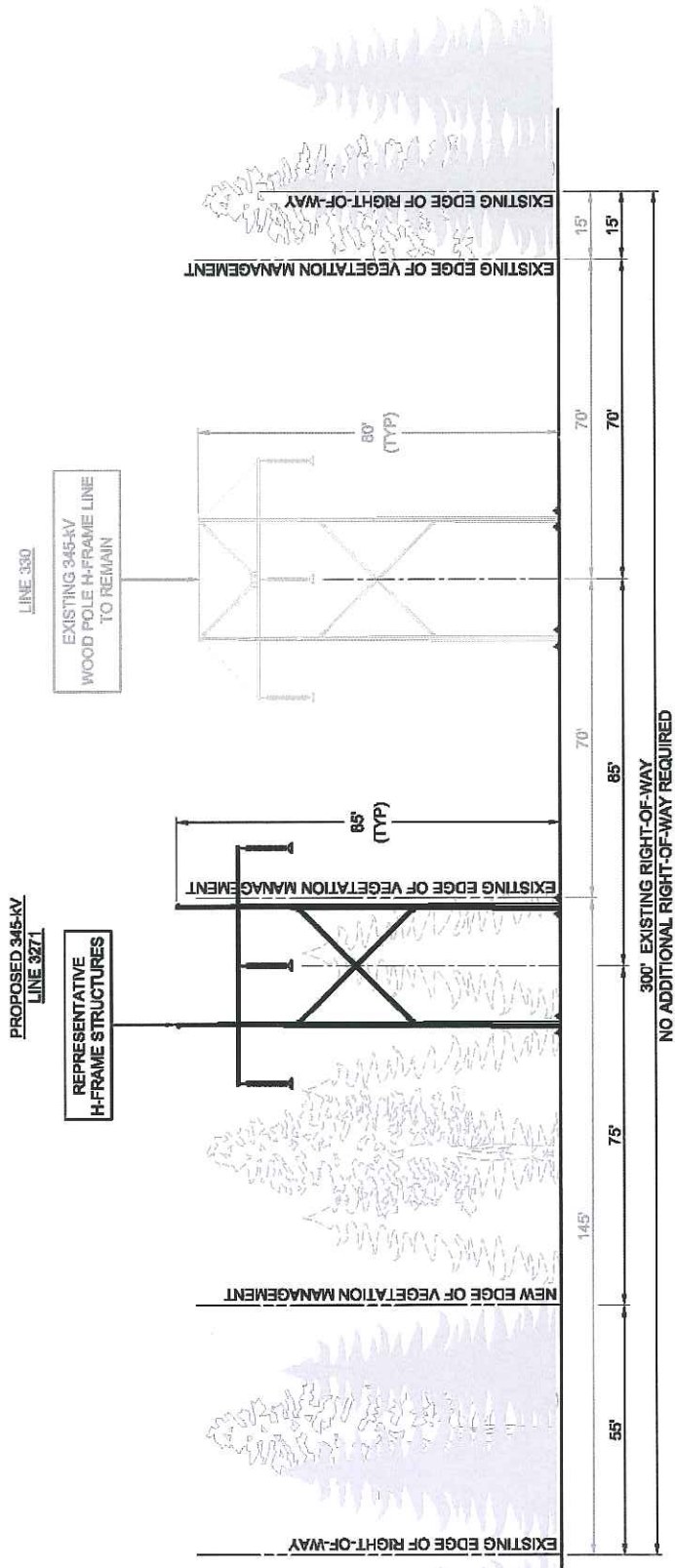
4. Mansfield City Road - Mansfield



0 300 600 1,200 Feet 12

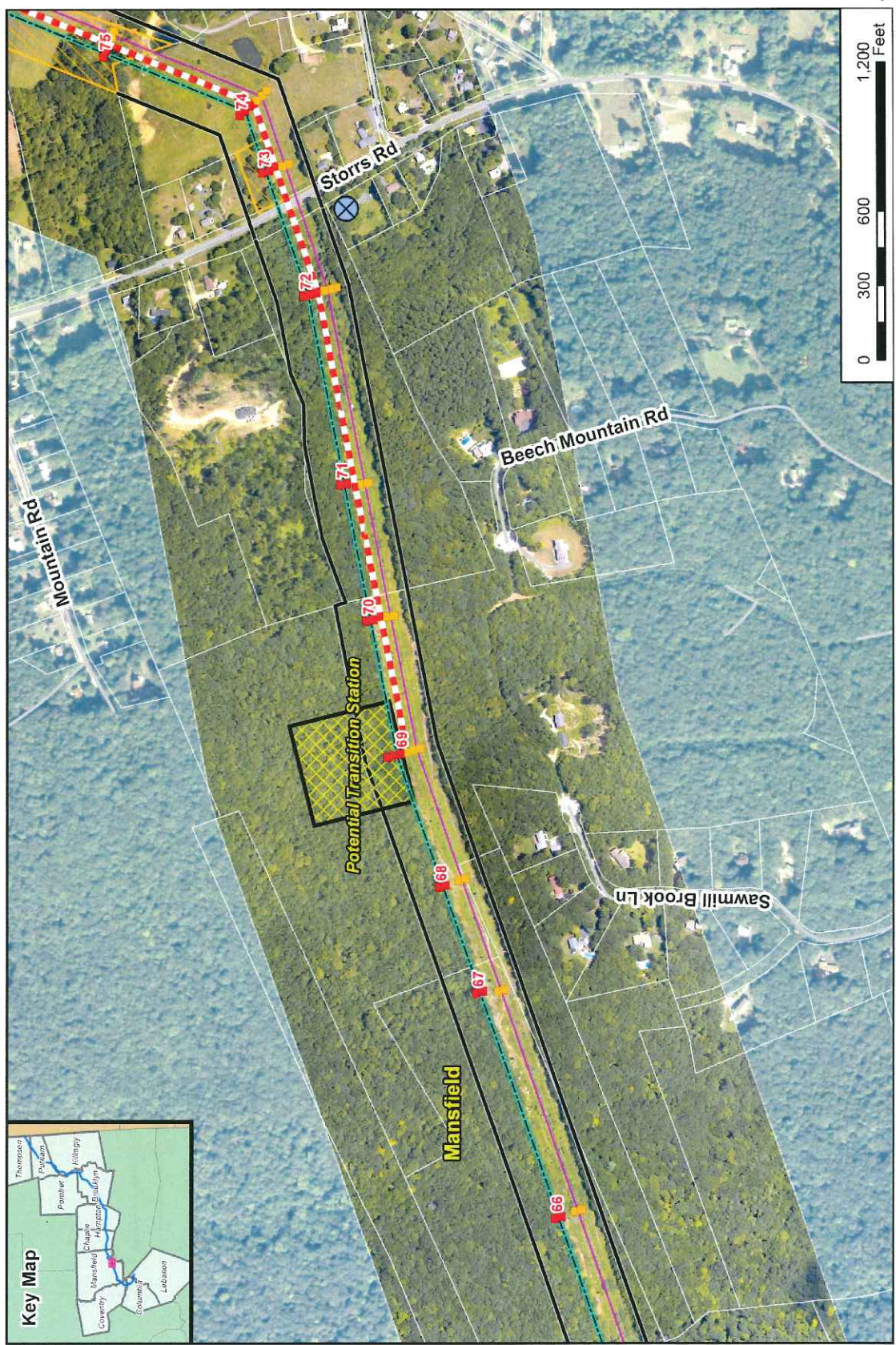
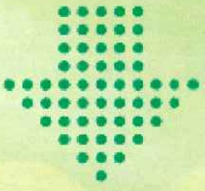


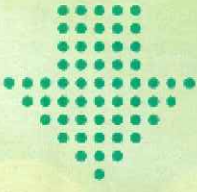
4. Mansfield City Road – Cross section



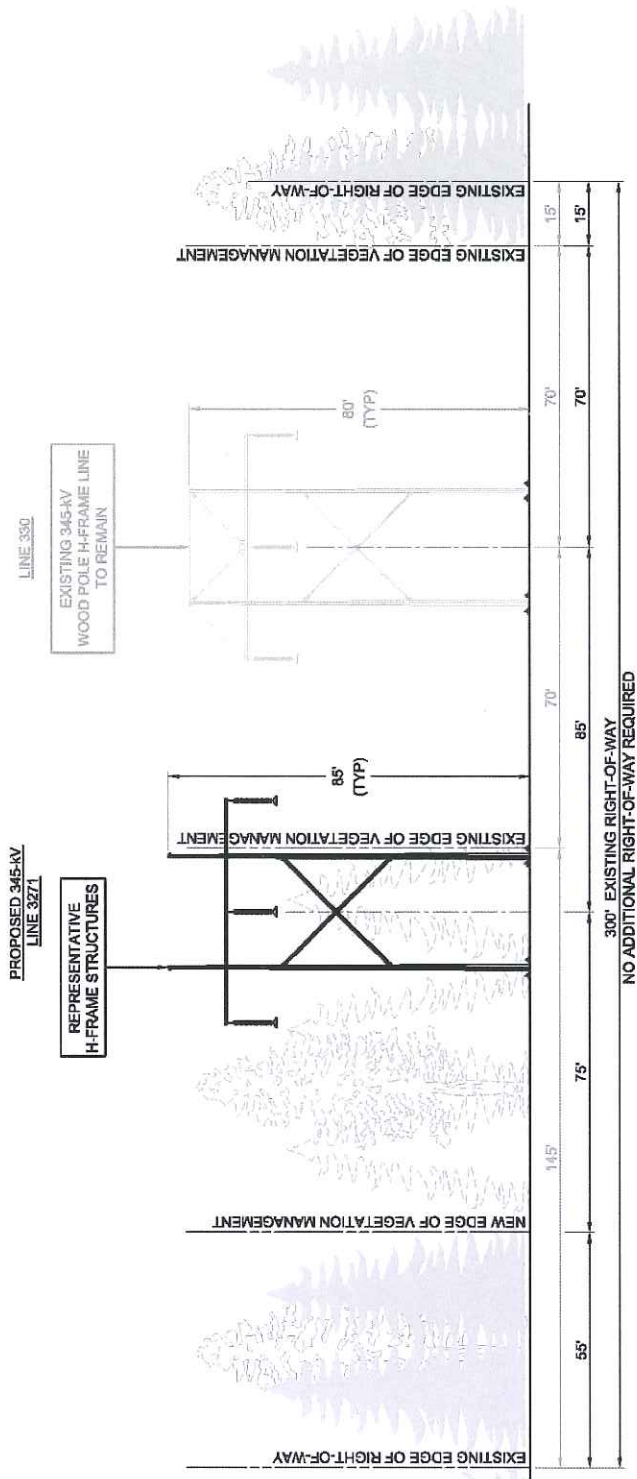
- **Right-of-Way Vegetation:** Open field-shrub, upland and wetland forest, agricultural
- **Terrain:** Hilly
- **Existing Right-of-Way Width:** 300 feet
- **Proposed Expansion of Right-of-Way Width:** 0 feet
- **Existing Managed Right-of-Way Width:** 140 feet
- **Additional Managed Right-of-Way Width Required:** 90 feet

5. Sawmill Brook Road / Beech Mountain Road / Mountain Road - Mansfield





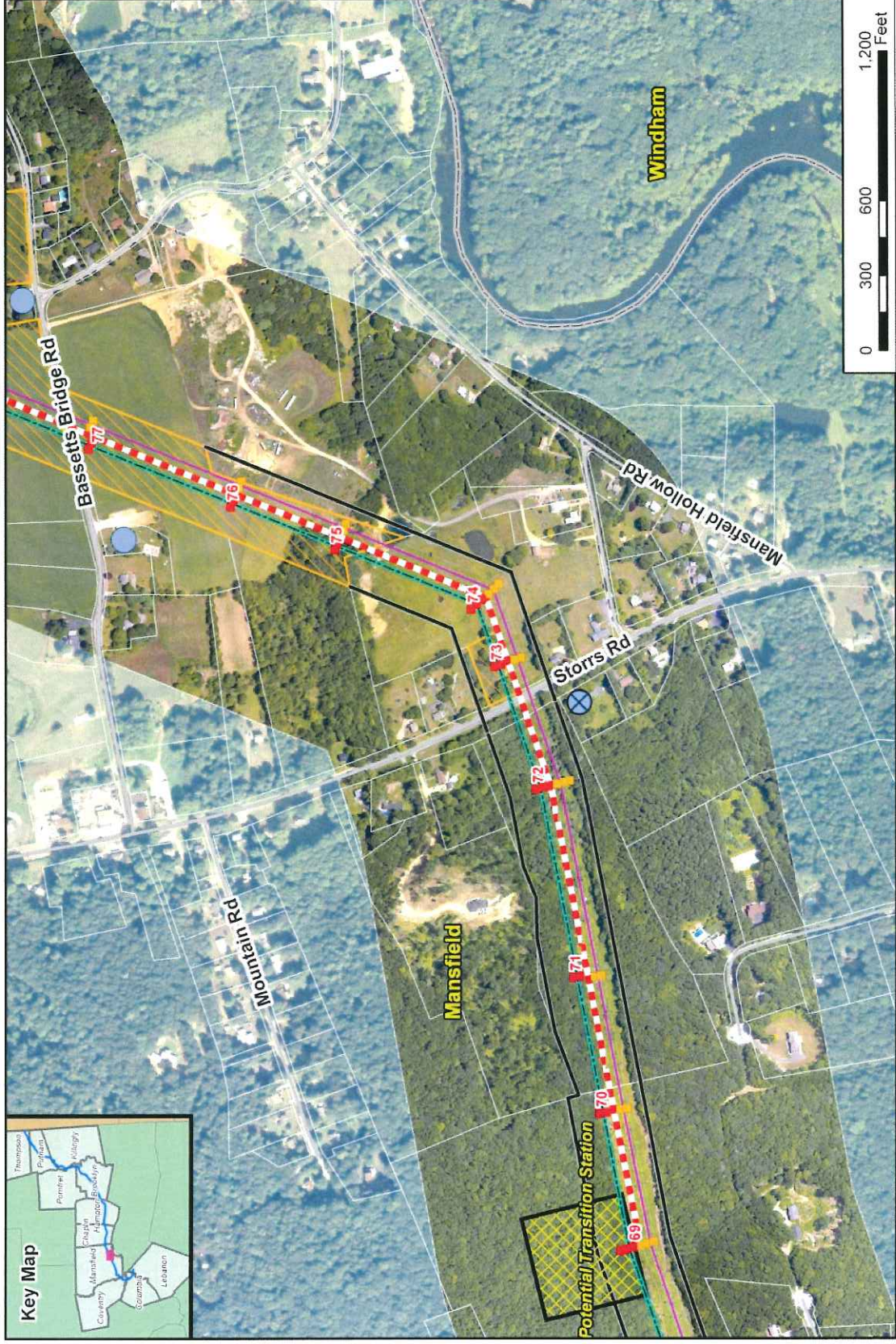
5. Sawmill Brook Road / Beech Mountain Road / Mountain Road – Cross section

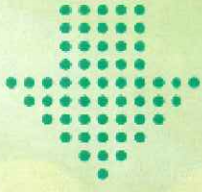


- **Right-of-Way Vegetation:** Open field-shrub, upland and wetland forest, agricultural, house/yard
- **Terrain:** Hilly to broad hilltops
- **Existing Right-of-Way Width:** 300 feet
- **Proposed Expansion of Right-of-Way Width:** 0 feet
- **Existing Managed Right-of-Way Width:** 140 feet
- **Additional Managed Right-of-Way Width Required:** 90 feet



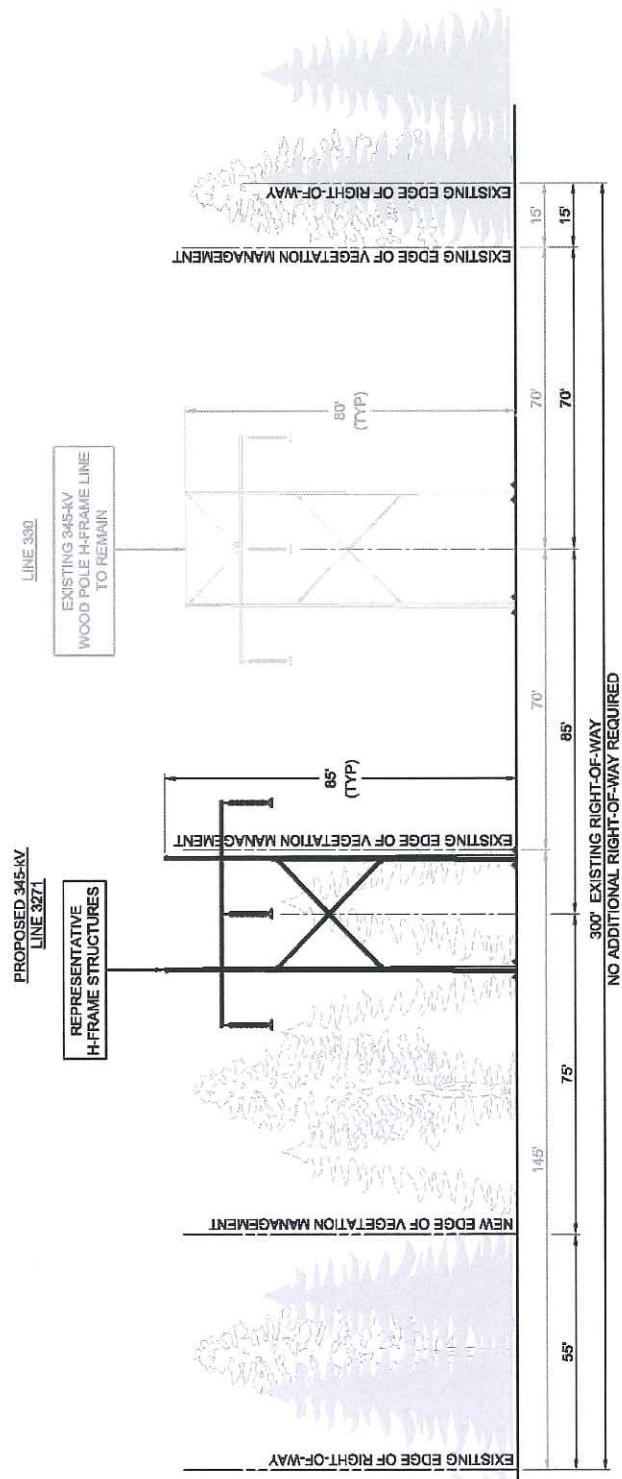
6. Storrs Road / Bassetts Bridge Road - Mansfield





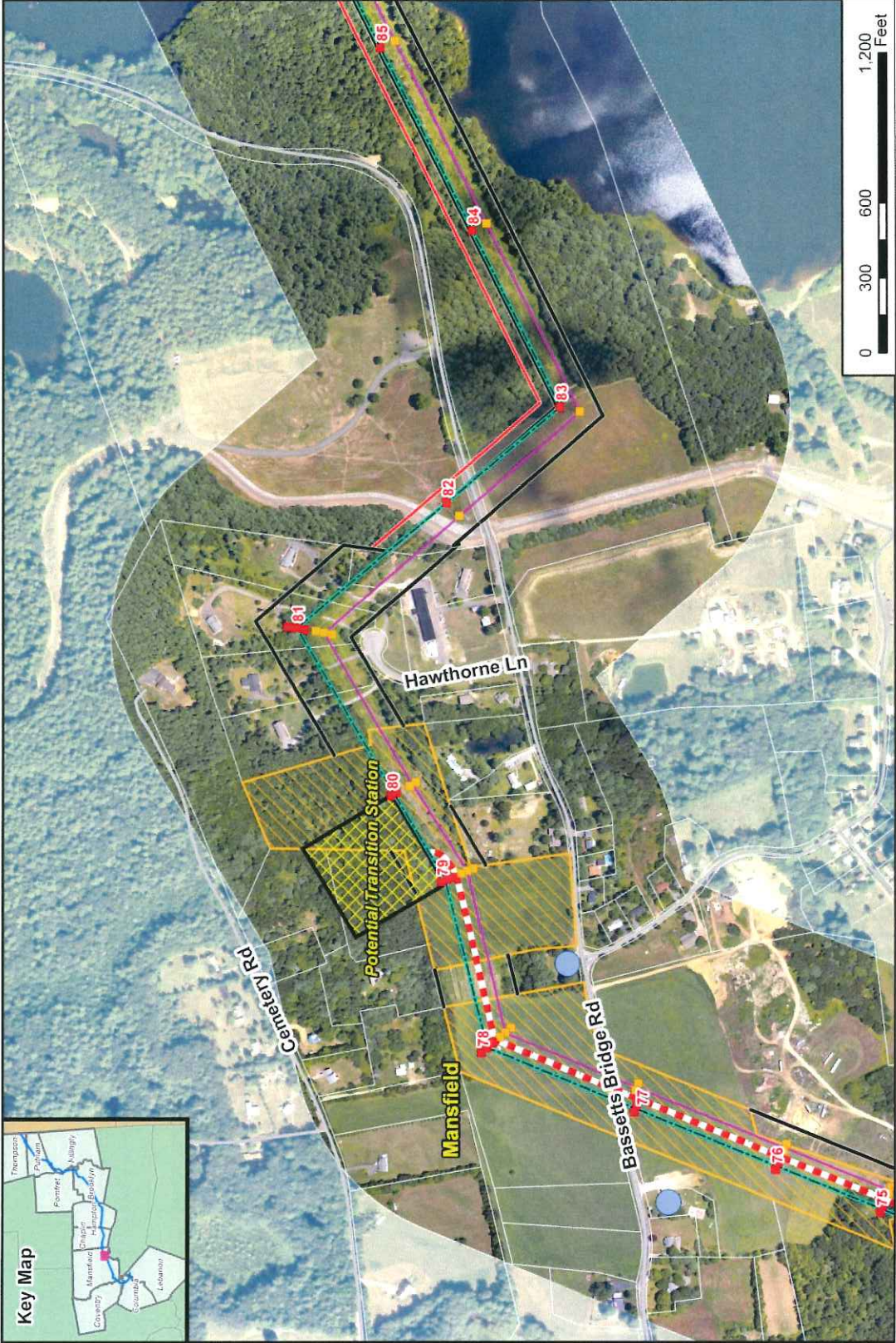
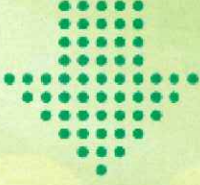
6. Storrs Road / Bassetts Bridge Road – Cross section – BMP FOCUS AREA B*

*BMP Focus Area: A section of the Project's Proposed Route under consideration for Electric and Magnetic Field Best Management Practices consistent with the CSC's 2007 guideline (Reference Vol. 1, Section 7, Appendices 7A and 7B of CSC application).

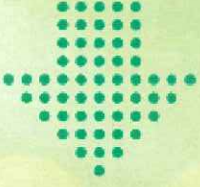


- **Right-of-Way Vegetation:** Open field-shrub, upland and wetland forest, agricultural, house/yard
- **Terrain:** Hilly to broad hilltops
- **Existing Right-of-Way Width:** 300 feet
- **Proposed Expansion of Right-of-Way Width:** 0 feet
- **Existing Managed Right-of-Way Width:** 140 feet
- **Additional Managed Right-of-Way Width Required:** 90 feet

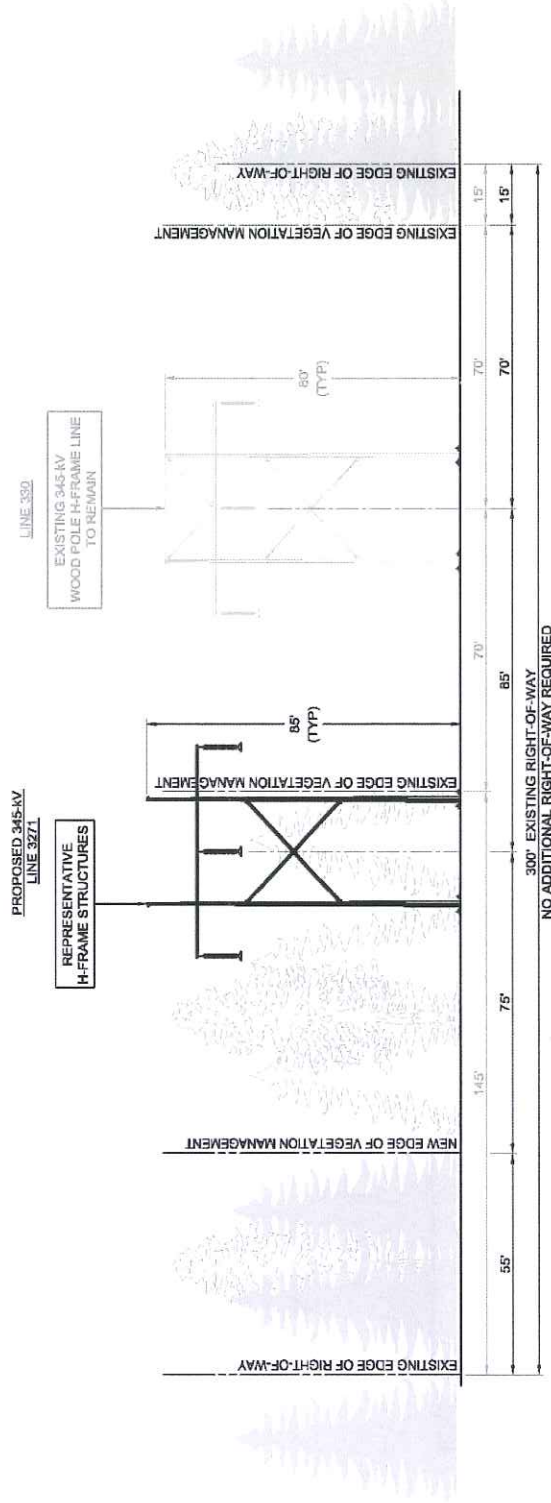
7. Hawthorne Lane - Mansfield



7. Hawthorne Lane – Cross section – BMP FOCUS AREA C*

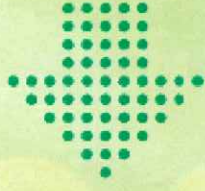


*BMP Focus Area: A section of the Project's Proposed Route under consideration for Electric and Magnetic Field Best Management Practices consistent with the CSC's 2007 guideline (Reference Vol. 1, Section 7, Appendices 7A and 7B of CSC application).

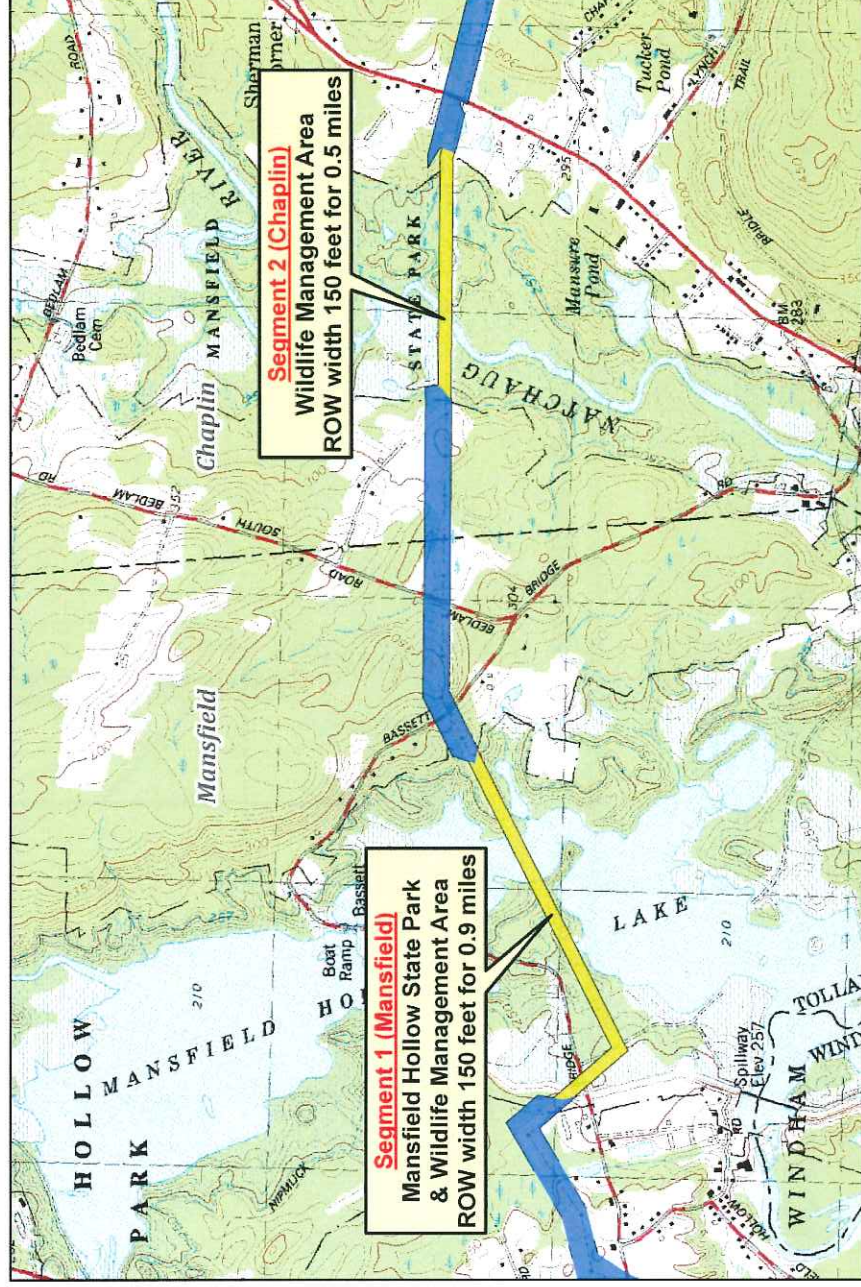


- **Right-of-Way Vegetation:** Open field-shrub, upland and wetland forest, agricultural, house/yard
- **Terrain:** Broad, rolling hills
- **Existing Right-of-Way Width:** 150 (USACE property) to 300 feet
- **Proposed Expansion of Right-of-Way Width:** 0 to 55 feet
- **Existing Managed Right-of-Way Width:** 100 to 140 feet
- **Additional Managed Right-of-Way Width Required:** 80 to 90 feet

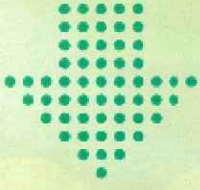
8. Proposed Route through Mansfield Hollow



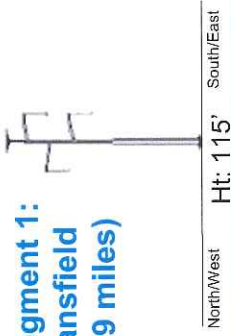
- Existing CL&P transmission line on right-of-way was installed in the early 1970's.
- Each of the two right-of-way segments in Mansfield Hollow has a width of 150 feet; typical utility right-of-way width in the surrounding area is 300 feet.
- CL&P's proposal utilizes existing ROW in Mansfield Hollow area, installing the new line next to the existing line.



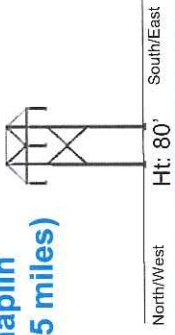
8. Summary - Proposed Configuration Options for Federally-Owned Land in Mansfield Hollow



**Segment 1:
Mansfield
(0.9 miles)**



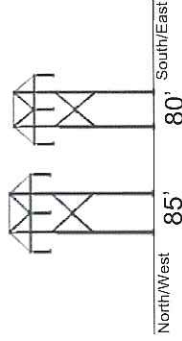
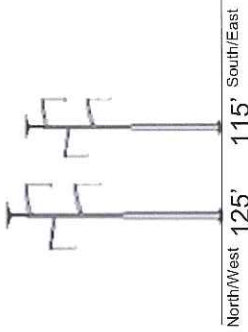
**Segment 2:
Chaplin
(0.5 miles)**



Existing 345-kV Line in 150 ft. ROW Through Mansfield Hollow

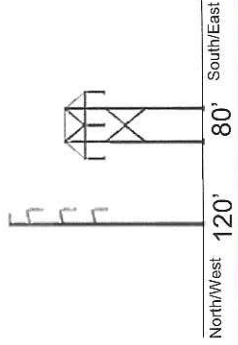
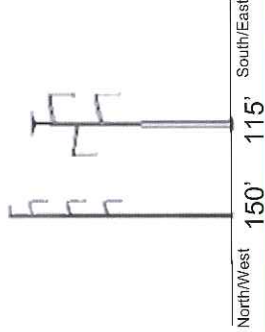
CL&P's Proposed Configuration

- Requires ROW expansion of 55ft or 85ft
- Matches existing structure types
- Least cost design option



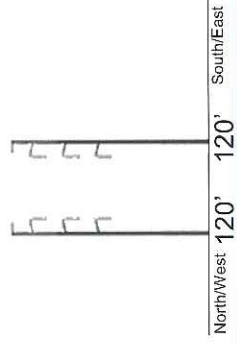
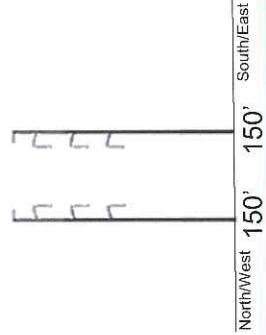
Minimal ROW Expansion Option

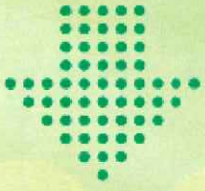
- Requires ROW expansion of 25ft or 35ft
- Costs ~ \$1.3 million more than Proposed Configuration



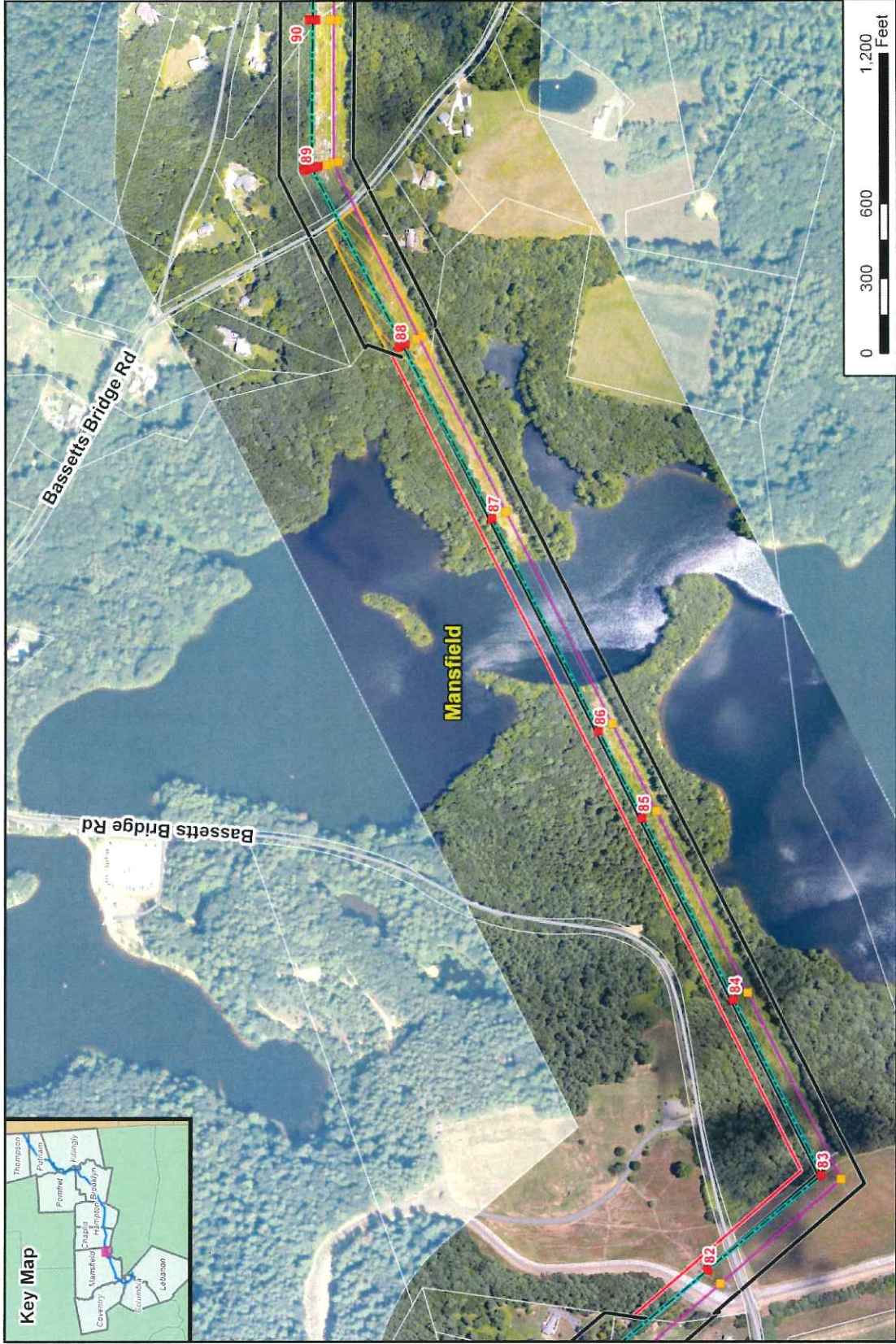
No ROW Expansion Option

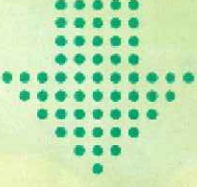
- No additional ROW expansion needed
- Costs ~\$16 million more than Proposed Configuration



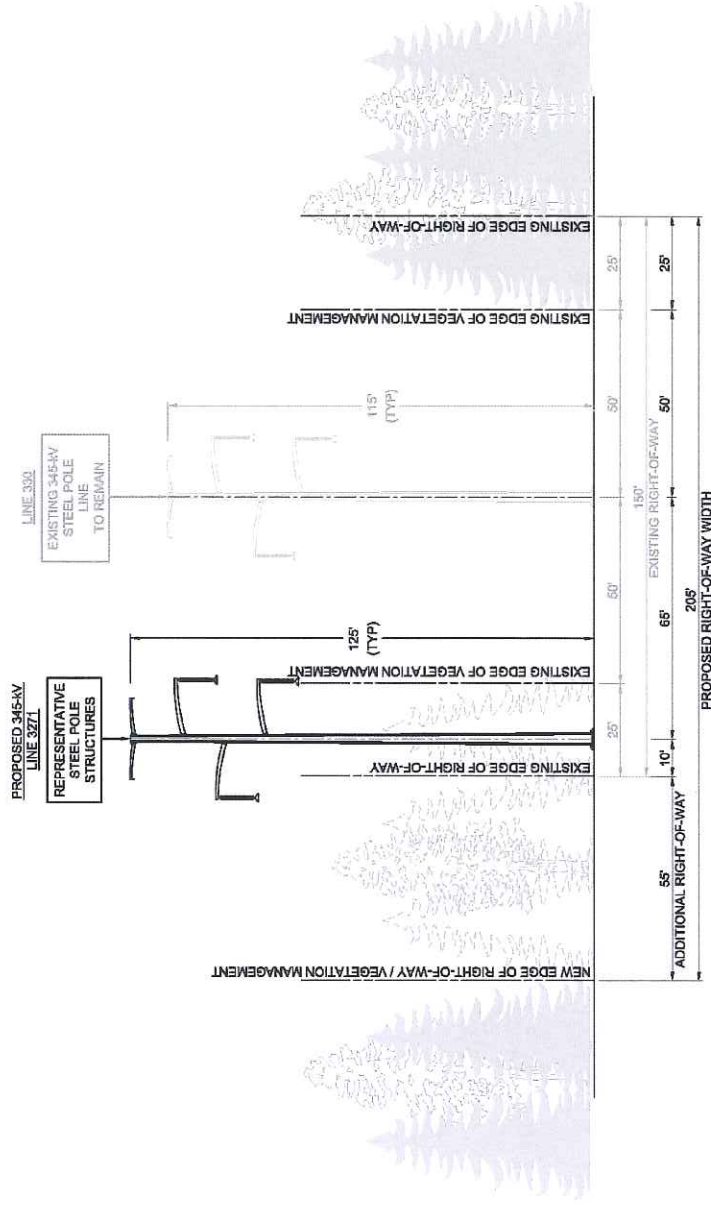


9. Bassetts Bridge Road - Mansfield

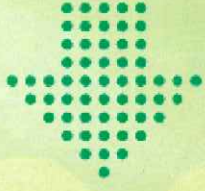




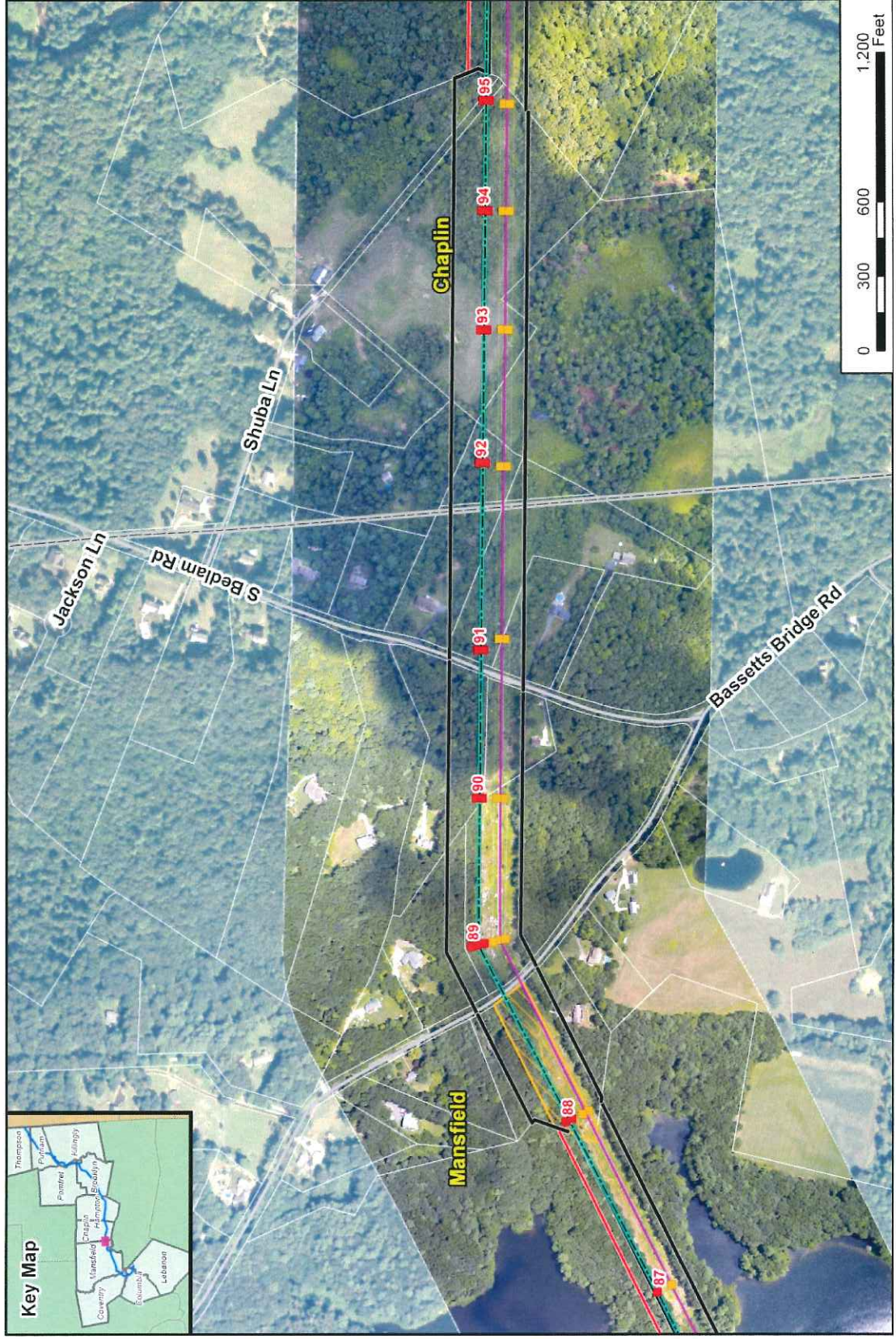
9. Bassetts Bridge Road – Cross section



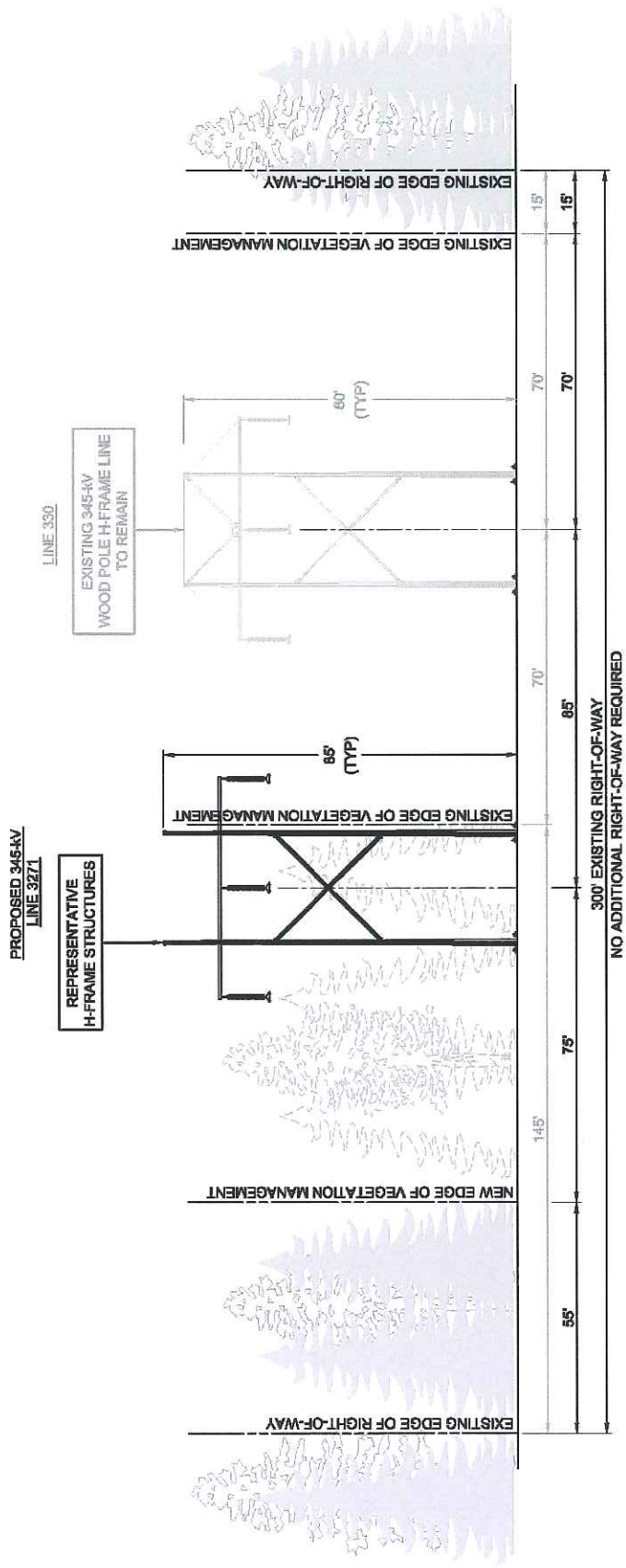
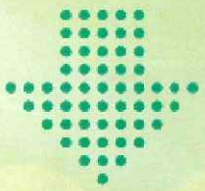
- **Right-of-Way Vegetation:** Open field-shrub, upland and wetland forest, agricultural, house/yard
- **Terrain:** Broad, rolling hills
- **Existing Right-of-Way Width:** 150 to 300 feet
- **Proposed Expansion of Right-of-Way Width:** 0 to 55 feet
- **Existing Managed Right-of-Way Width:** 100 to 140 feet
- **Additional Managed Right-of-Way Width Required:** 90 feet



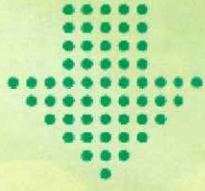
10. South Bedlam Road - Mansfield



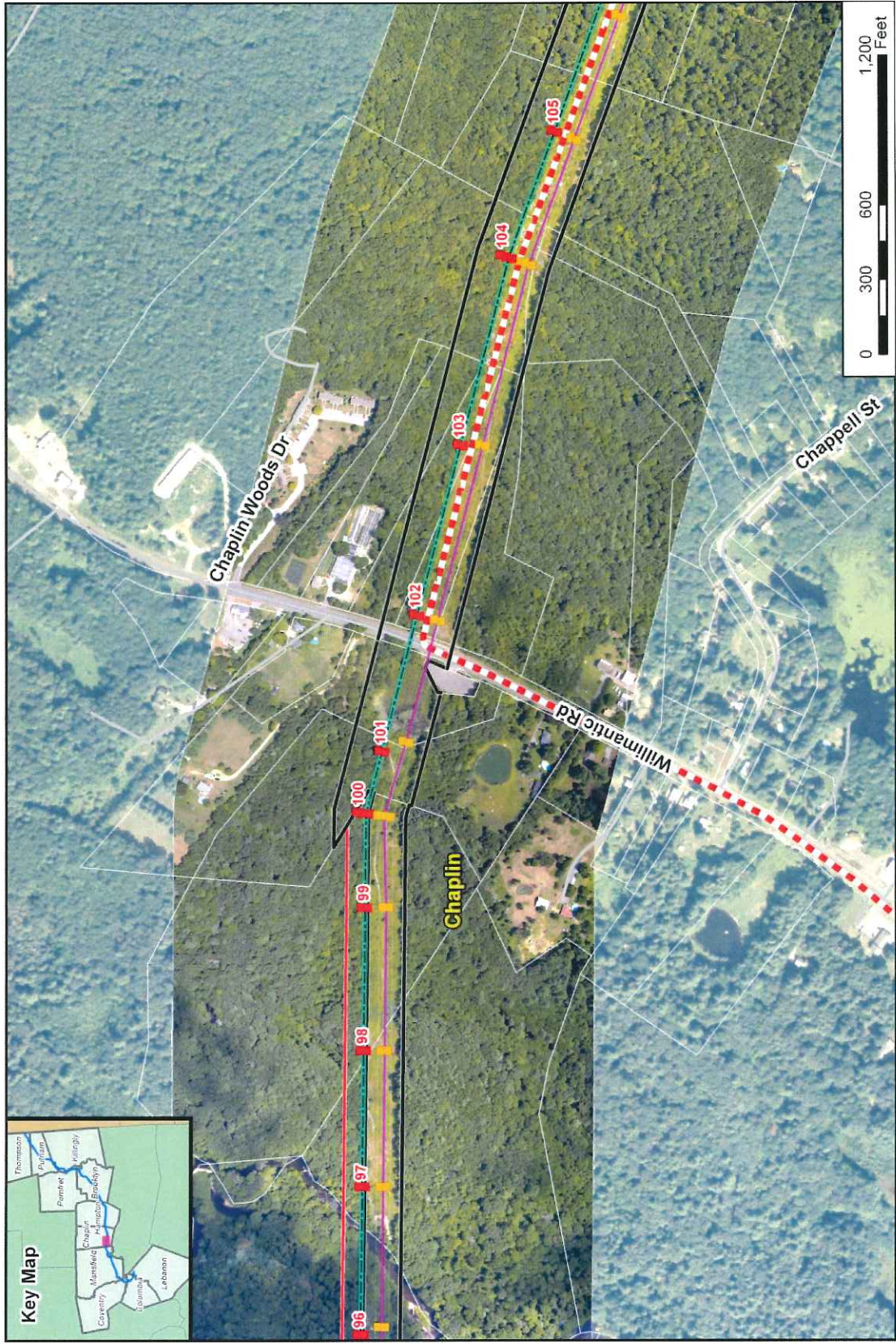
10. South Bedlam Road – Cross section

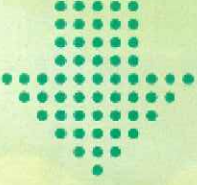


- **Right-of-Way Vegetation:** Open field-shrub, upland and wetland forest, agricultural, house/yard
- **Terrain:** Broad, rolling hills
- **Existing Right-of-Way Width:** 150 to 300 feet
- **Proposed Expansion of Right-of-Way Width:** 0 to 85 feet
- **Existing Managed Right-of-Way Width:** 100 to 140 feet
- **Additional Managed Right-of-Way Width Required:** 90 feet

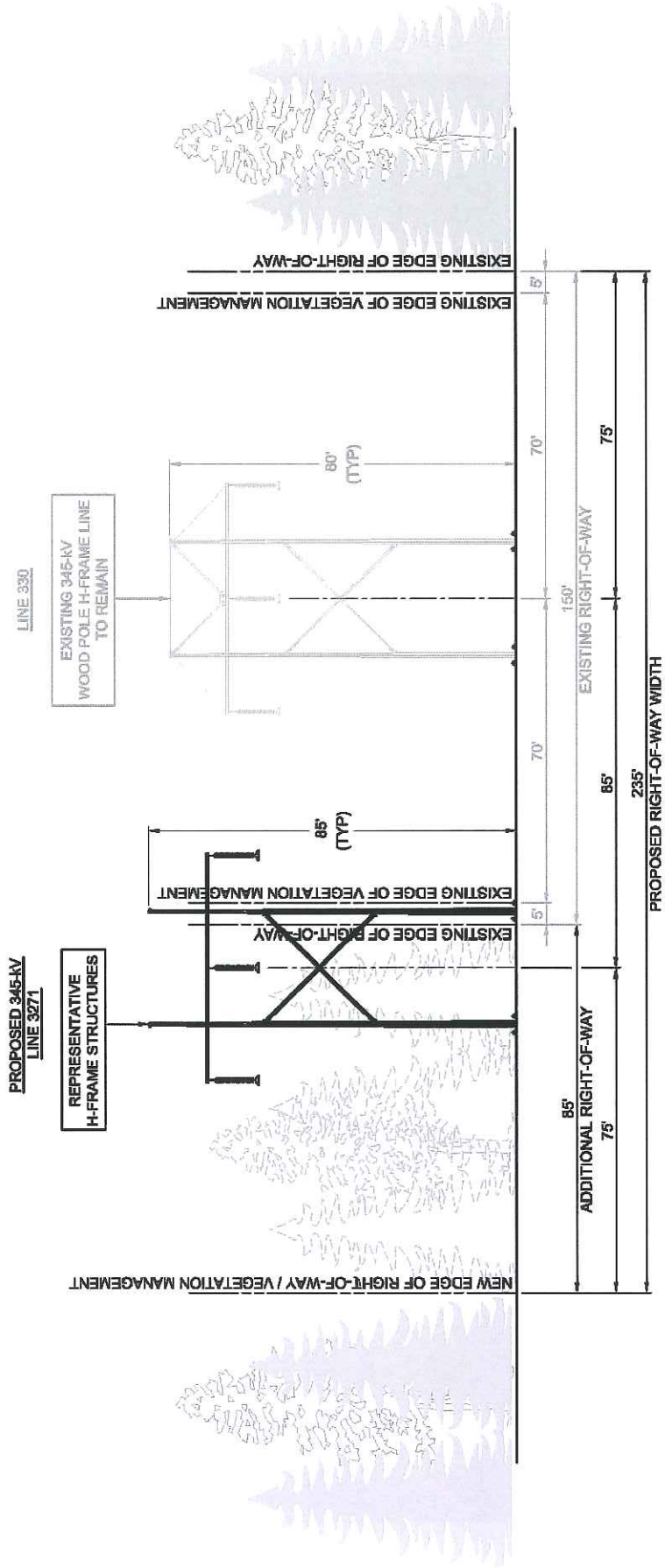


11. Willimantic Road (Rt. 6) - Chaplin



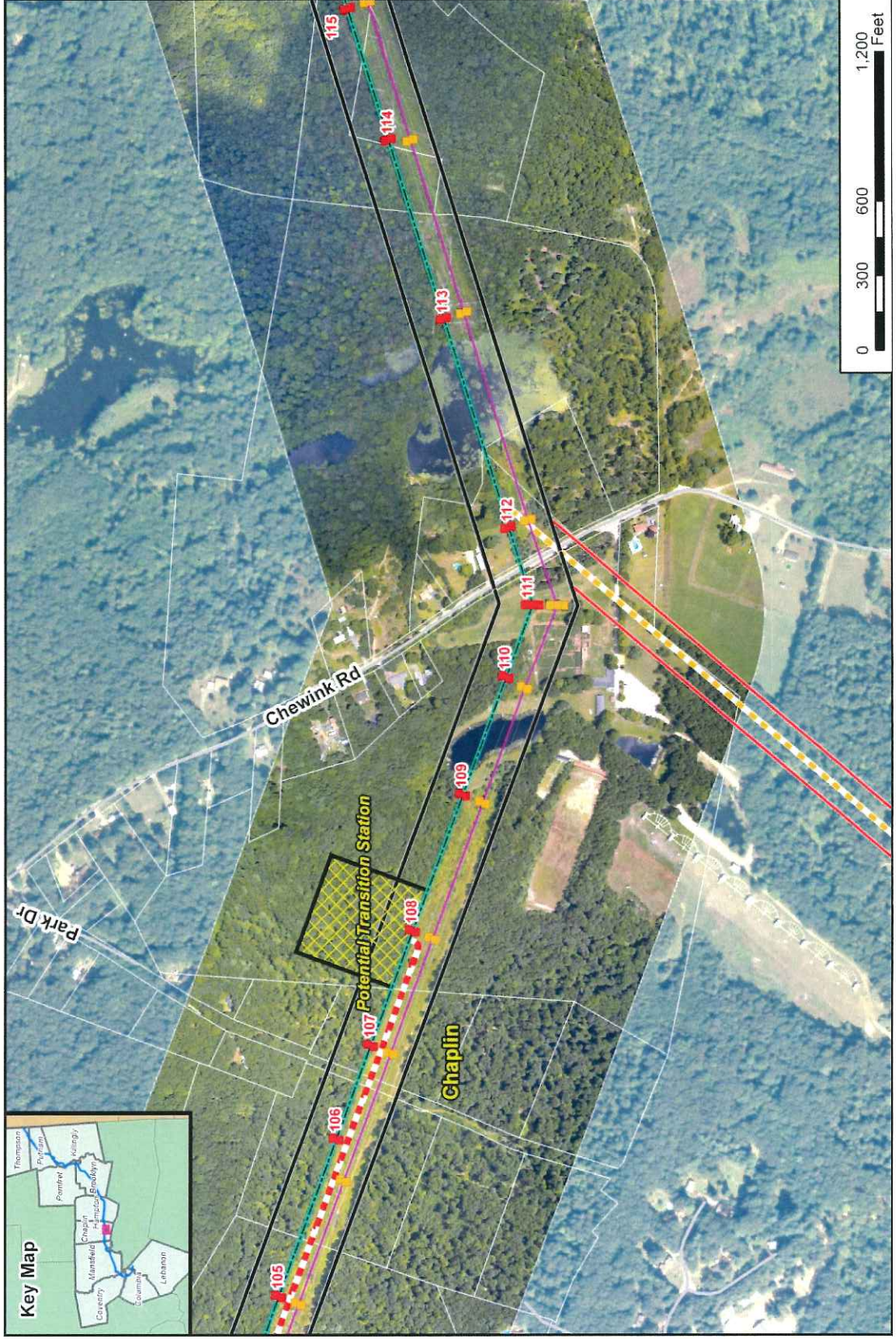
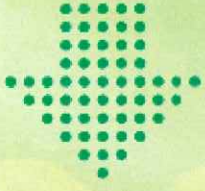


11. Willimantic Road (Rt. 6) - Cross section

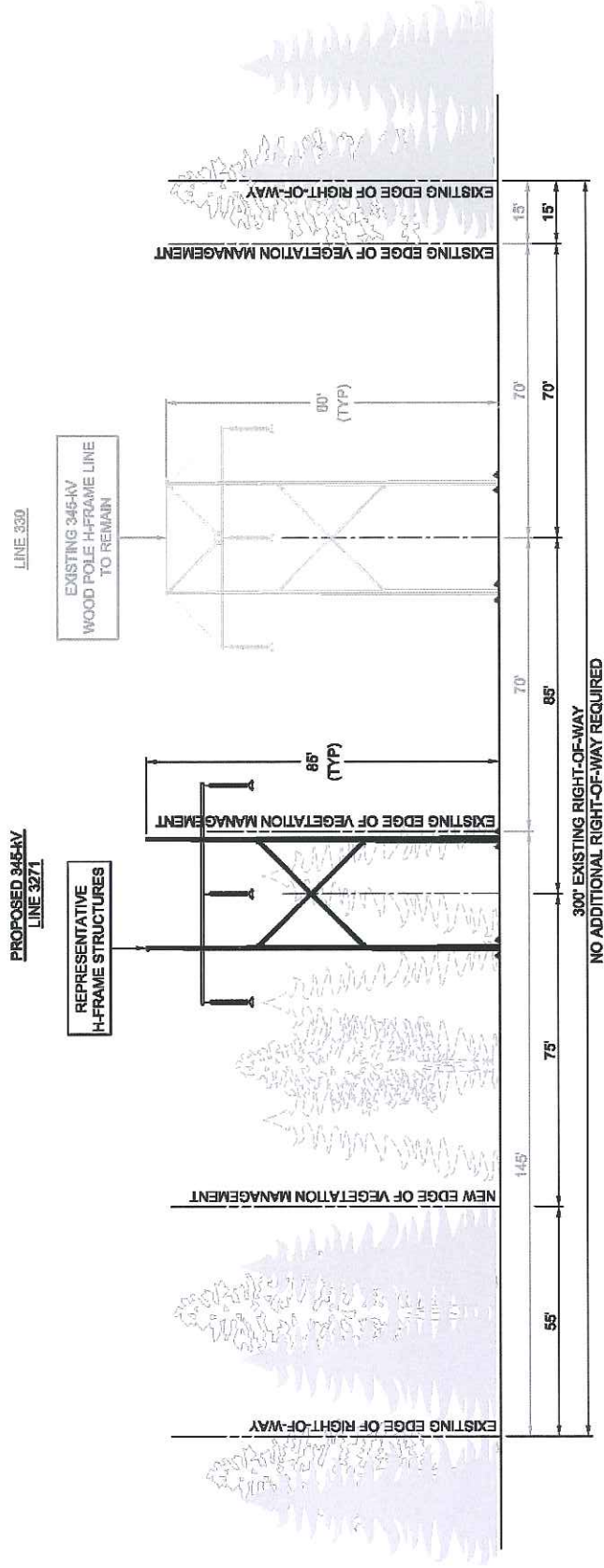
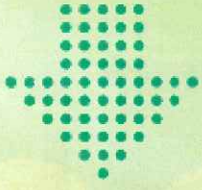


- **Right-of-Way Vegetation:** Open field-shrub, upland and wetland forest
- **Terrain:** Broad, rolling hills
- **Existing Right-of-Way Width:** 150 to 300 feet
- **Proposed Expansion of Right-of-Way Width:** 0 to 85 feet
- **Existing Managed Right-of-Way Width:** 140 feet
- **Additional Managed Right-of-Way Width Required:** 90 feet

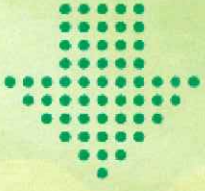
12. Chewink Road - Chaplin



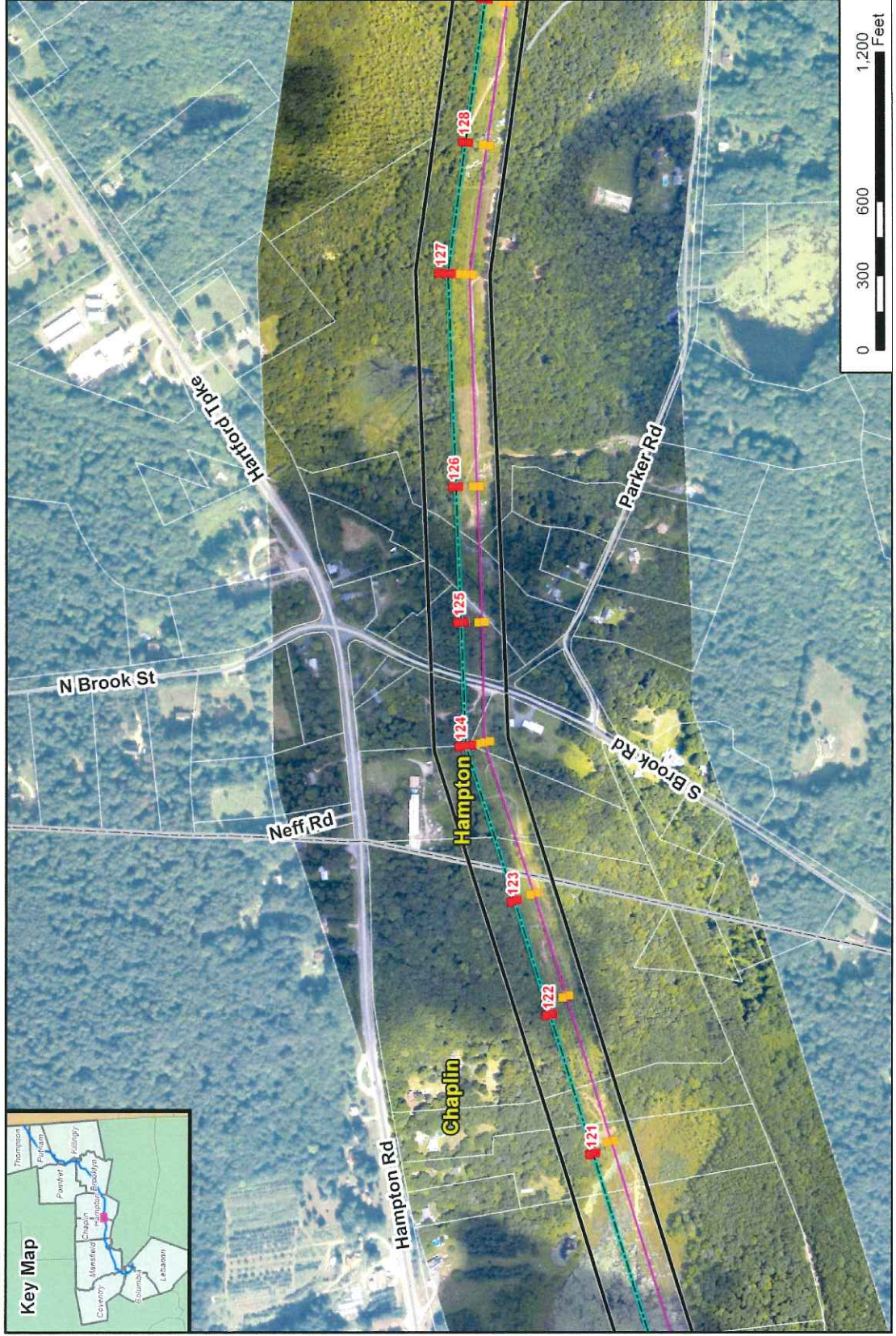
12. Chewink Road – Cross section

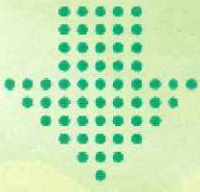


- **Right-of-Way Vegetation:** Open field-shrub, upland and wetland forest, agricultural, house/yard
- **Terrain:** Broad hilltops to hilly
- **Existing Right-of-Way Width:** 300 feet
- **Proposed Expansion of Right-of-Way Width:** 0 feet
- **Existing Managed Right-of-Way Width:** 140 feet
- **Additional Managed Right-of-Way Width Required:** 90 feet

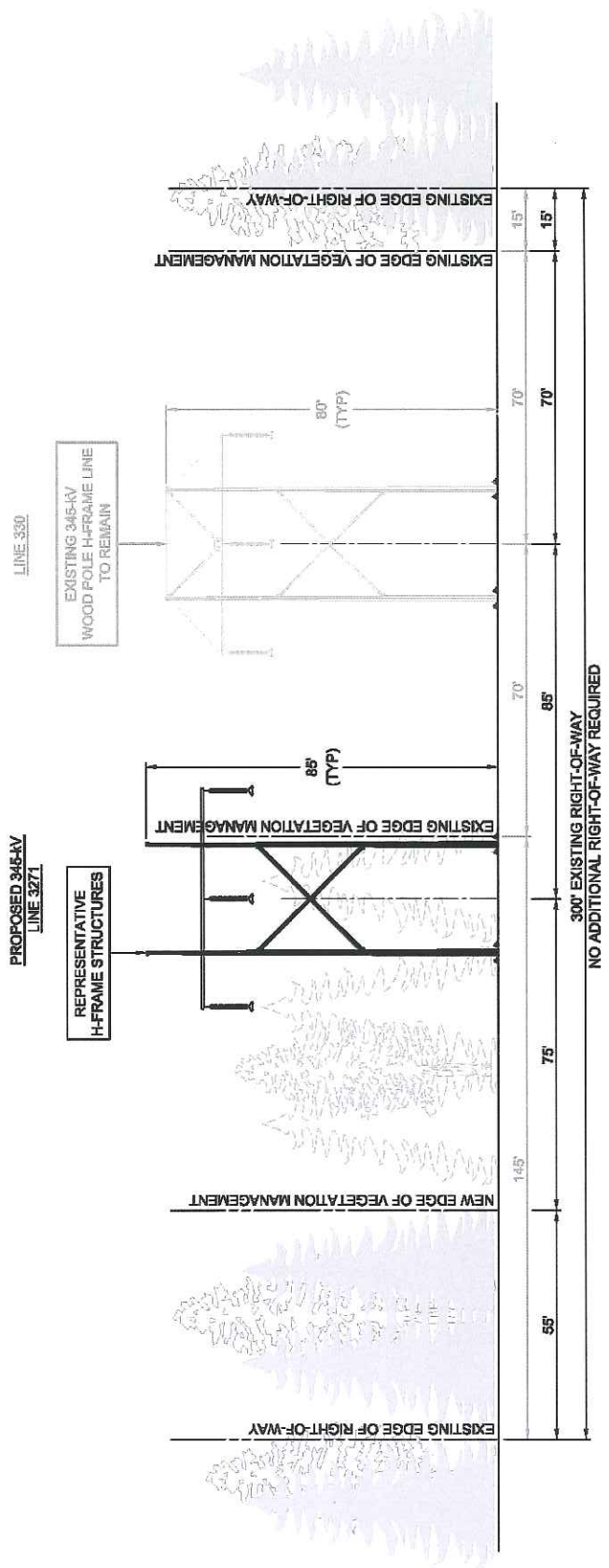


13. South Brook Road - Hampton





13. South Brook Road - Cross section



- **Right-of-Way Vegetation:** Open field-shrub, upland and wetland forest, house/yard
- **Terrain:** Broad, gentle slopes
- **Existing Right-of-Way Width:** 300 feet
- **Proposed Expansion of Right-of-Way Width:** 0 feet
- **Existing Managed Right-of-Way Width:** 140 feet
- **Additional Managed Right-of-Way Width Required:** 90 feet