

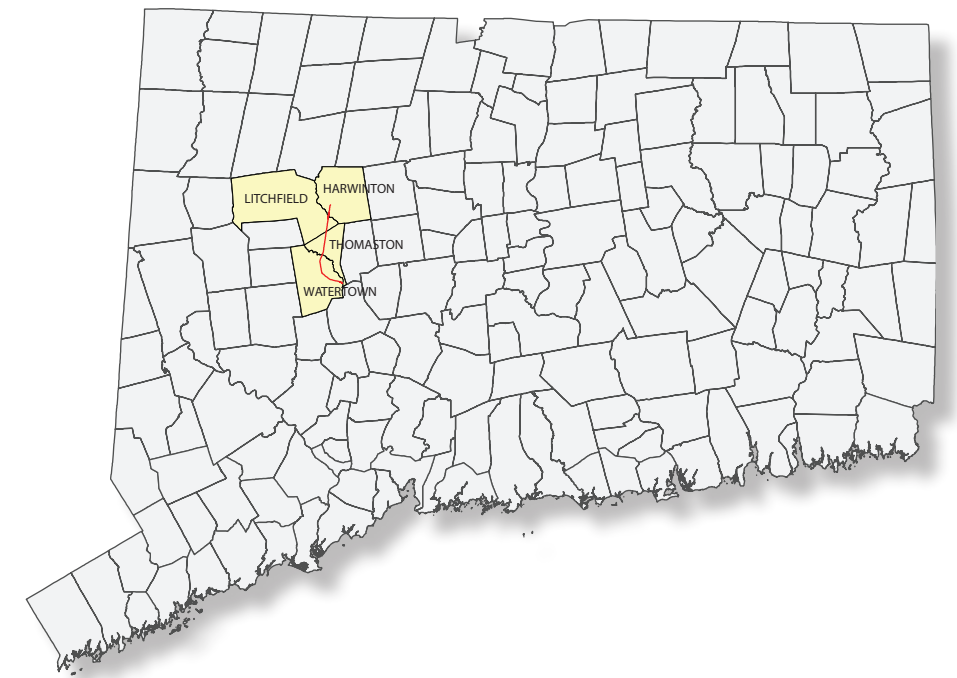
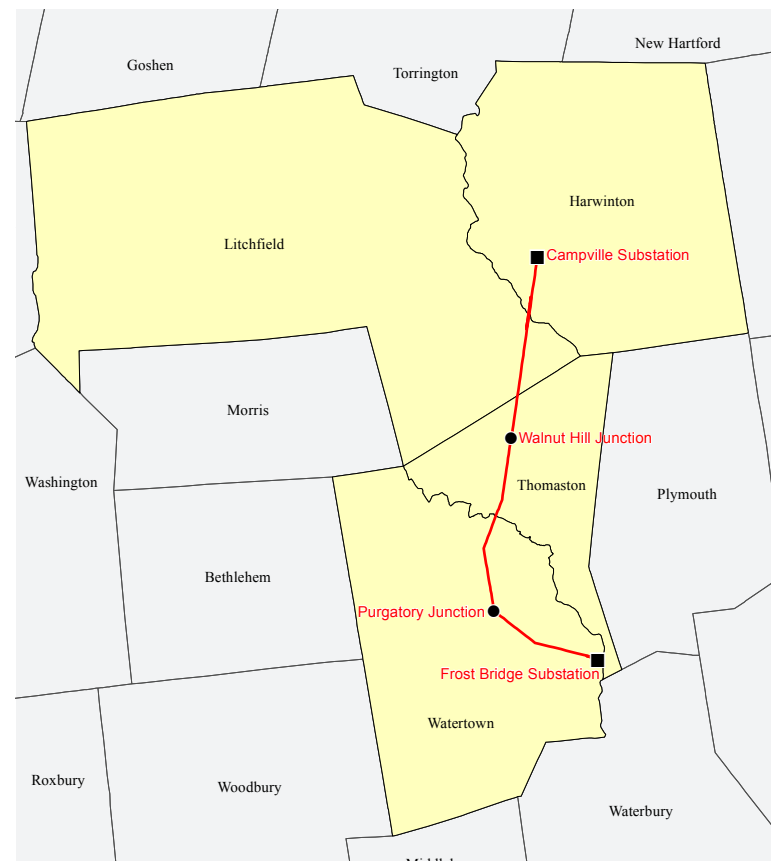


FROST BRIDGE TO CAMPVILLE 115-kV PROJECT

TRANSMISSION LINE DEVELOPMENT AND MANAGEMENT PLAN VOLUME 3

JANUARY 2017

(Revisions to Approved July 2016 Version)



THIS PAGE INTENTIONALLY LEFT BLANK

CROSS SECTION SHEET

CROSS SECTIONS DESCRIPTION

XS 1-6	FROST BRIDGE SS LINE EXIT FROST BRIDGE SS LINE EXIT TO PURGATORY JCT. PURGATORY JCT. TO WALNUT HILL JCT. WALNUT HILL JCT. TO S. BANK OF NAUGATUCK RIVER S. BANK OF NAUGATUCK RIVER TO N. BANK OF NAUGATUCK RIVER N. BANK OF NAUGATUCK RIVER TO CAMPVILLE SUBSTATION
--------	--

MAPSHEETS

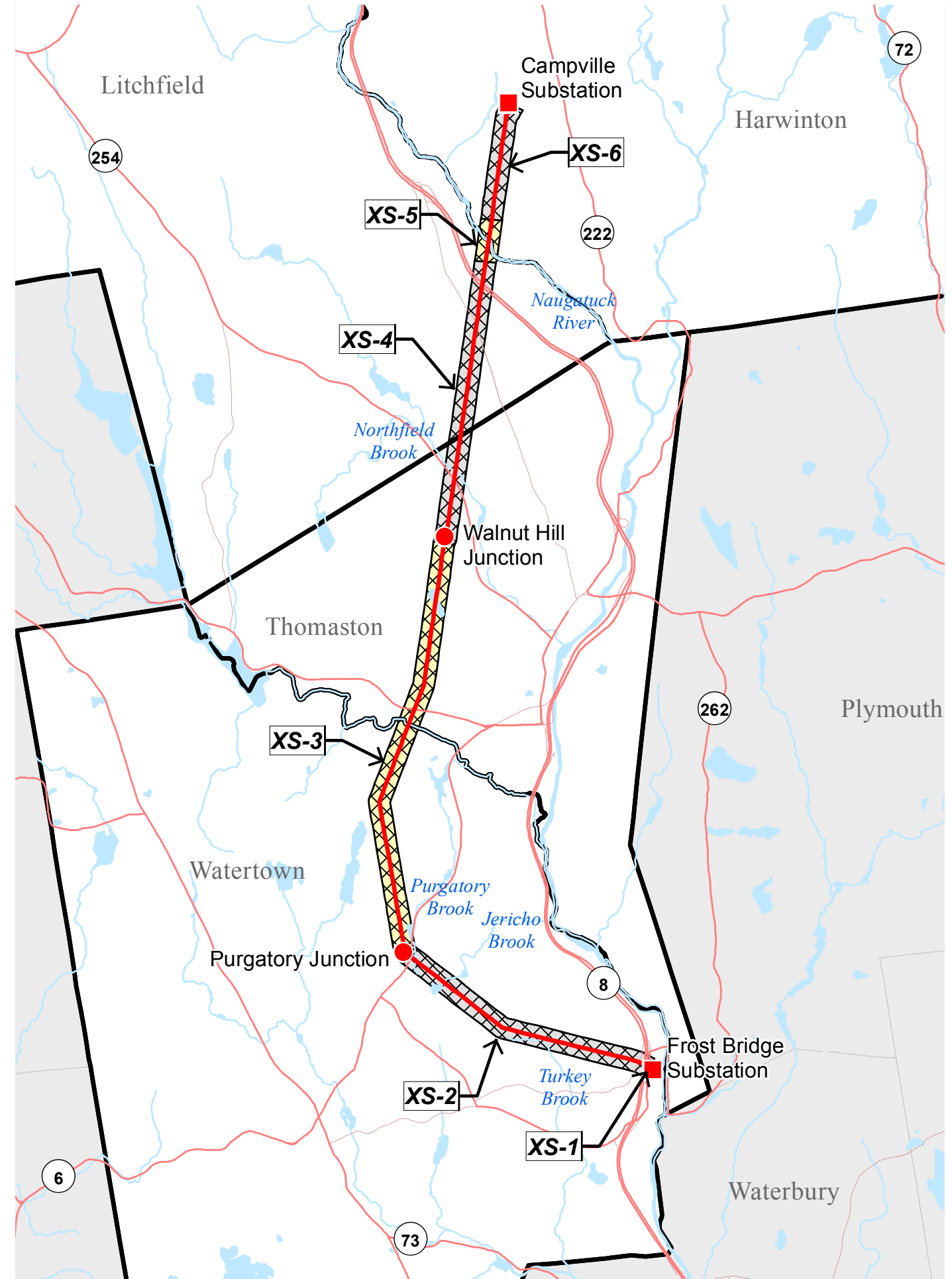
MAPSHEETS DESCRIPTION

INDEX MAPS 1-3	USGS 1:24,000 SCALE
SHEETS 1-35	FROST BRIDGE TO CAMPVILLE 115-KV PROJECT DEVELOPMENT & MANAGEMENT PLAN

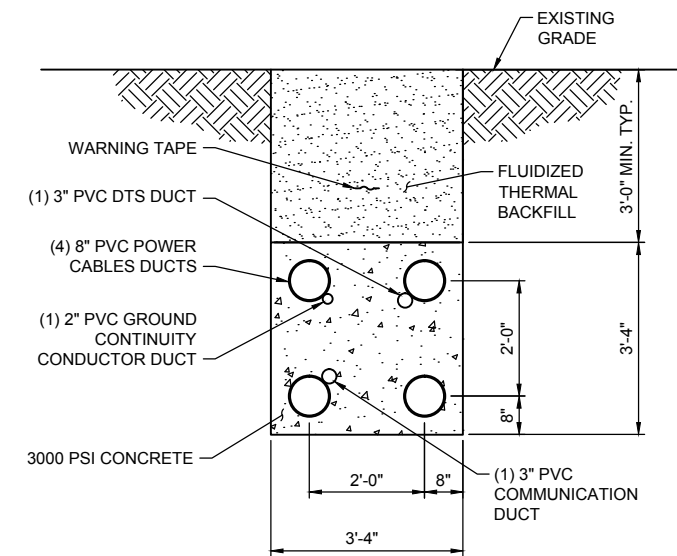
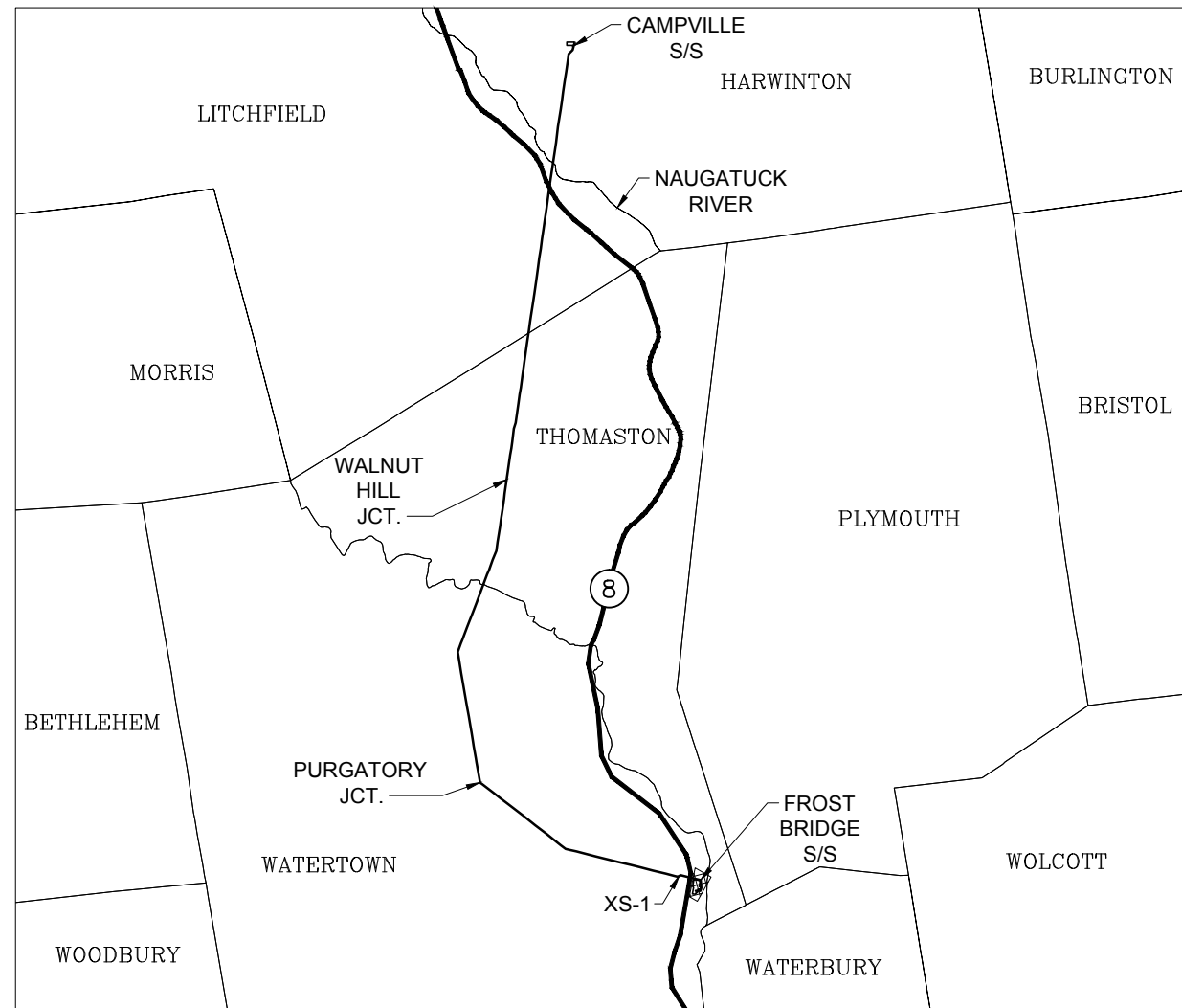
DETAIL SHEETS

SHEET DESCRIPTION

1	PERMITTED WATER RESOURCE IMPACTS
2	WATER RESOURCE PROTOCOLS
3	VERNAL POOL PROTOCOLS
4	RARE SPECIES AVOIDANCE & MINIMIZATION MEASURES
5	FARMLAND PROTECTION MEASURES & SOIL EROSION AND SEDIMENT CONTROL
6	TYPICAL DETAILS SHEET 1 OF 2
7	TYPICAL DETAILS SHEET 2 OF 2
8	TYPICAL STRUCTURE CONFIGURATIONS
9	TYPICAL FOUNDATION AND GROUNDING DETAILS
10	WATERCOURSE S-F11 CULVERT REPLACEMENT PLAN
11	WATERCOURSE S-F11 CULVERT REPLACEMENT CROSS SECTION AND DETAILS



THIS PAGE INTENTIONALLY LEFT BLANK



TYPICAL 115-kV DUCT BANK SECTION
NOT TO SCALE

PROPOSED ORIENTATION

FROST BRIDGE SUBSTATION LINE EXIT

IN THE TOWN OF
WATERTOWN

LOOKING
SOUTH, EAST AND NORTH

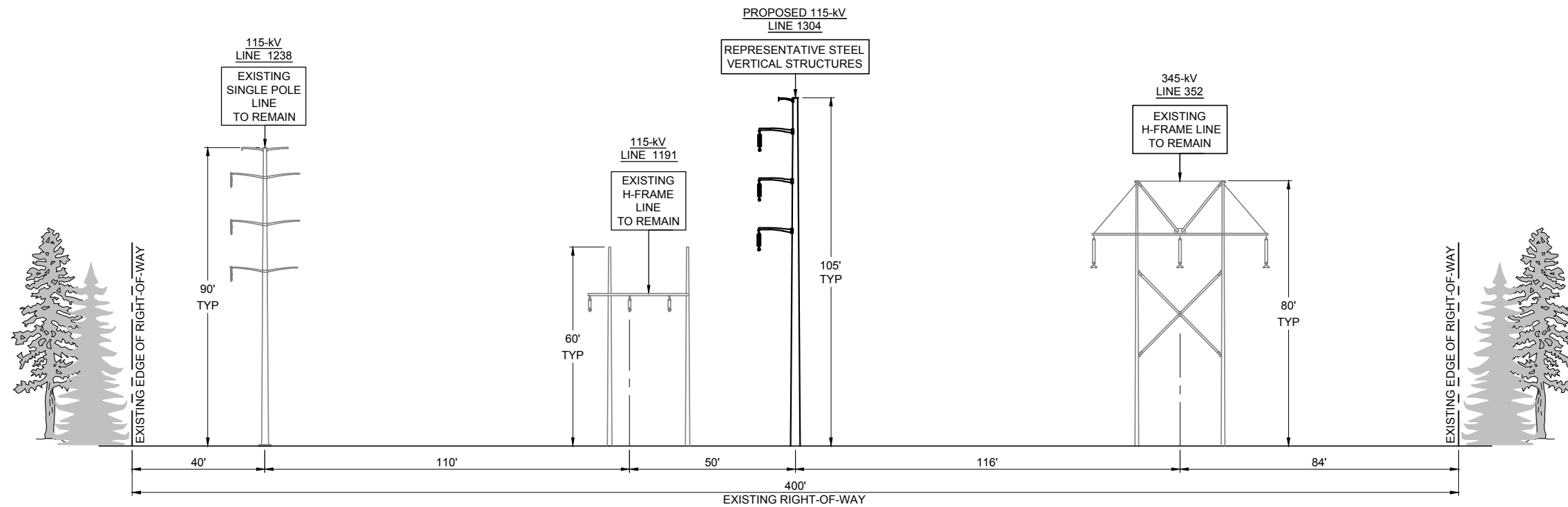
(0.1 MILE)

NOTES:

1. NEW TRANSMISSION LINE ALIGNMENT ON EVERSOURCE-OWNED PROPERTY.
2. DOES NOT INCLUDE THE LENGTH OF THE OVERHEAD TRANSMISSION LINE FROM THE SUBSTATION TERMINAL STRUCTURE TO THE TRANSITION STRUCTURE OUTSIDE THE FENCE LINE. THE LINE EXIT IS SHOWN IN FIGURE 3-2 OF VOLUME 1 AND EXHIBIT 1 AND 2 OF VOLUME 5.

TITLE FROST BRIDGE TO CAMPVILLE 115-kV PROJECT FROST BRIDGE SUBSTATION LINE EXIT			
BY C. KUNTZ	CHKD D. GOGOL	APP	APP
DATE 12/4/15	DATE 12/4/15	DATE	DATE
SCALE NONE	MICROFILM DATE	DWG. NO.	XS-1
P.A. #			

THIS PAGE INTENTIONALLY LEFT BLANK



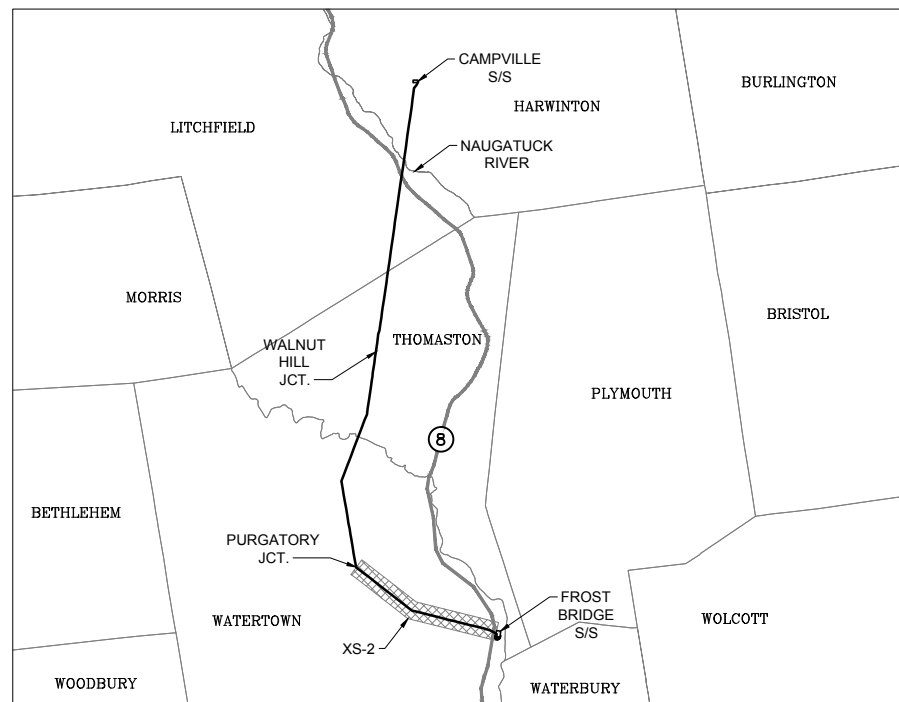
**PROPOSED CONFIGURATION
VERTICAL DESIGN**

**FROST BRIDGE SUBSTATION LINE EXIT
TO
PURGATORY JUNCTION**

**IN THE TOWN OF
WATERTOWN**

**LOOKING
WEST**

(2.5 MILES)



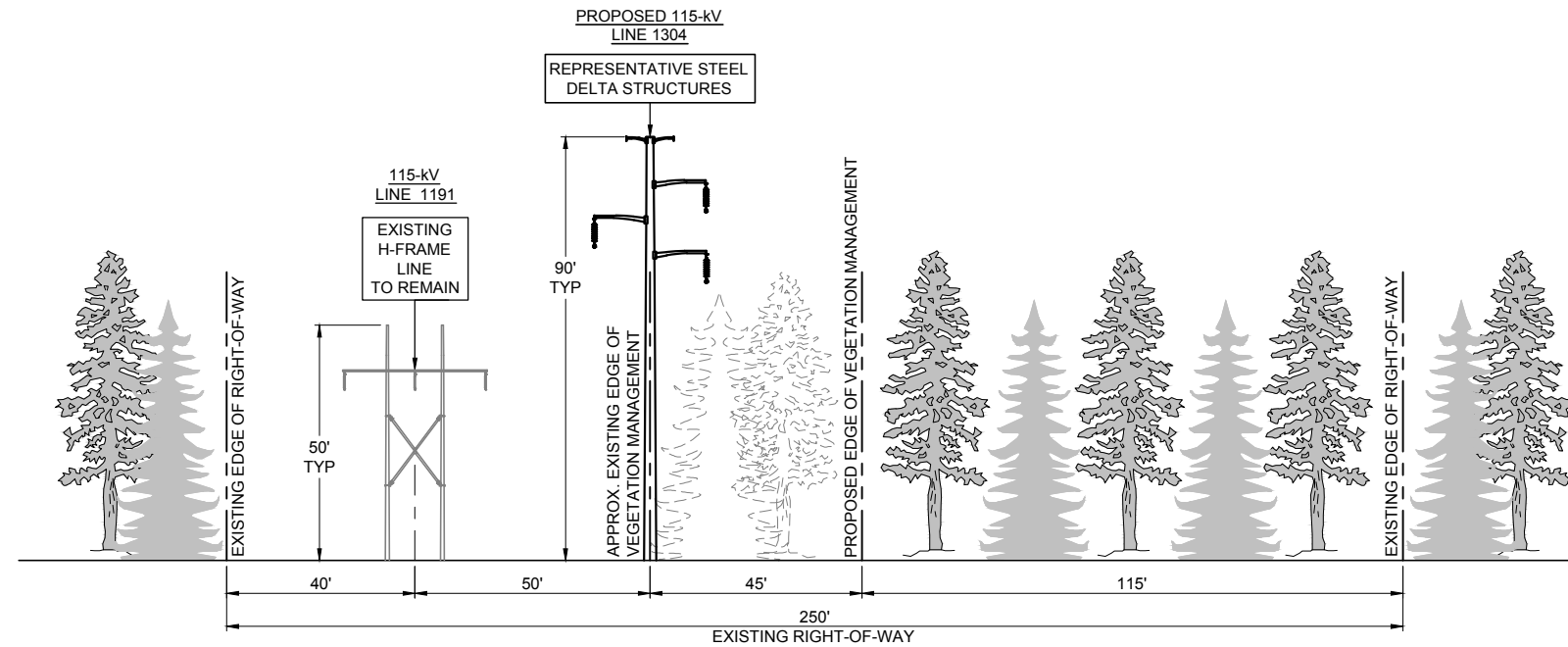
NOTES:

1. EXISTING LINES TO REMAIN.
2. PRELIMINARY STRUCTURE SPOTTING IS BASED ON STRUCTURE-FOR-STRUCTURE INSTALLATION.
3. EXISTING VEGETATION MANAGEMENT EDGES ARE TYPICAL.
4. AFTER THE CONDUCTORS HAVE BEEN INSTALLED, A REFERENCE IS ESTABLISHED THAT MAY IDENTIFY ADDITIONAL DANGER TREES OUTSIDE THE INITIALLY CLEARED AREA THAT MIGHT NEED TO BE REMOVED.
5. DEPICTED REPRESENTATIVE STRUCTURES ARE STEEL TANGENT STRUCTURES UTILIZING DIRECT EMBEDDED FOUNDATIONS. ANGLE AND DEADEND STRUCTURES WILL DIFFER AND BE PLACED ON CONCRETE FOUNDATIONS.

TITLE
FROST BRIDGE TO CAMPVILLE 115-kV PROJECT
PROPOSED CROSS SECTIONS
FROST BRIDGE S/S LINE EXIT TO PURGATORY JCT.

BY D. LAURSEN	CHKD V. MONTEMURRO	APP	APP
DATE 12/16/15	DATE 12/16/15	DATE	DATE
SCALE NONE	MICROFILM DATE	DWG. NO.	XS-2
P.A. #			

THIS PAGE INTENTIONALLY LEFT BLANK

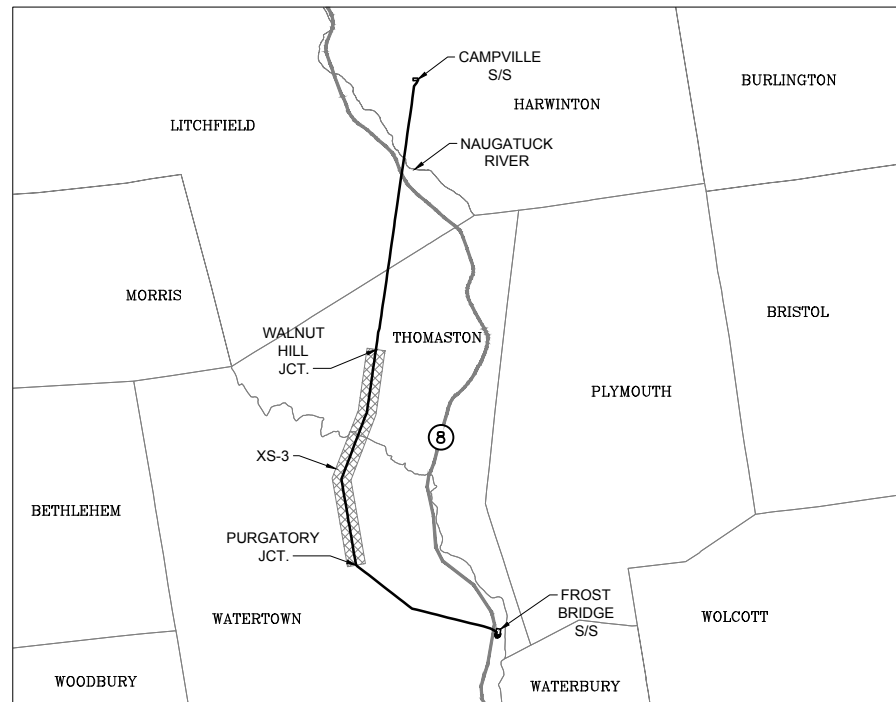


**PROPOSED CONFIGURATION
DELTA DESIGN**

PURGATORY JUNCTION
TO
WALNUT HILL JUNCTION
IN THE TOWNS OF
WATERTOWN & THOMASTON

LOOKING
NORTH

(3.8 MILES)



KEY MAP
NOT TO SCALE

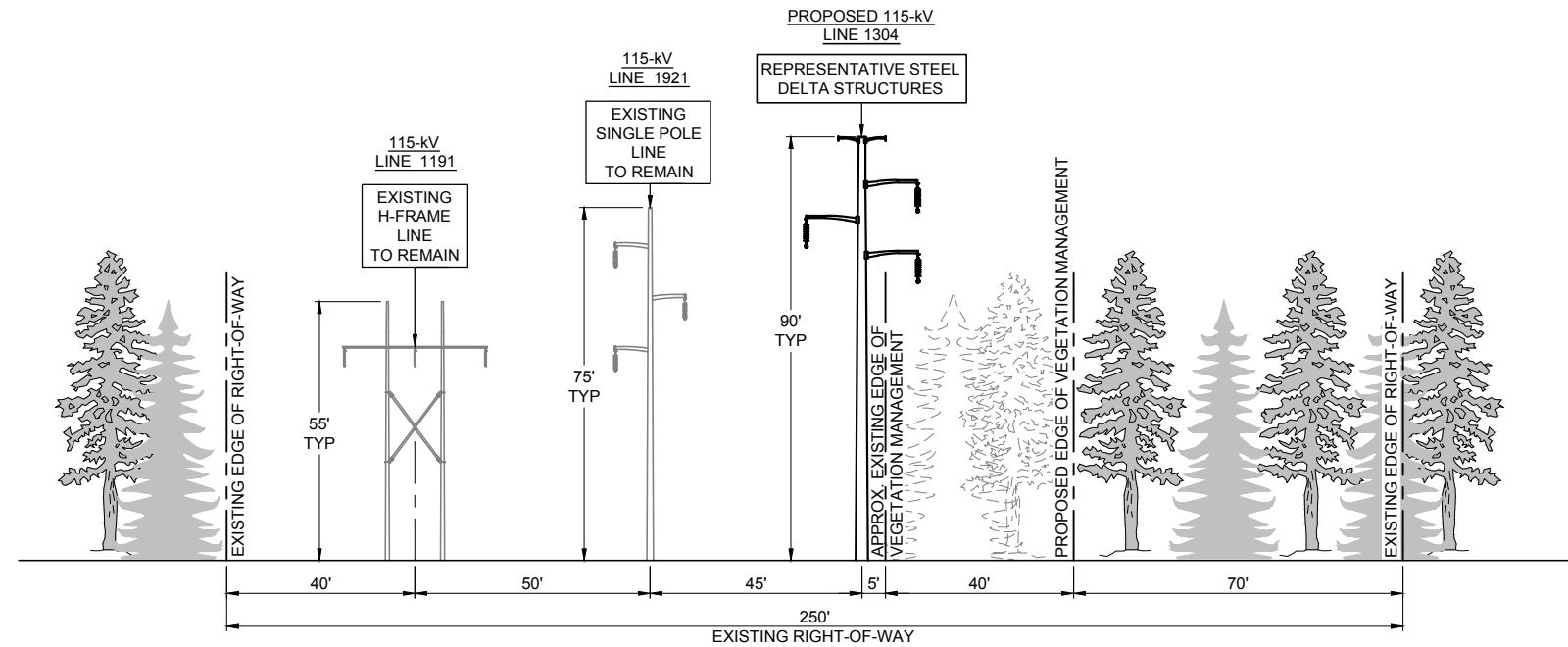


NOTES:

1. EXISTING LINES TO REMAIN.
2. PRELIMINARY STRUCTURE SPOTTING IS BASED ON STRUCTURE-FOR-STRUCTURE INSTALLATION.
3. EXISTING VEGETATION MANAGEMENT EDGES ARE TYPICAL.
4. AFTER THE CONDUCTORS HAVE BEEN INSTALLED, A REFERENCE IS ESTABLISHED THAT MAY IDENTIFY ADDITIONAL DANGER TREES OUTSIDE THE INITIALLY CLEARED AREA THAT MIGHT NEED TO BE REMOVED.
5. DEPICTED REPRESENTATIVE STRUCTURES ARE STEEL TANGENT STRUCTURES UTILIZING DIRECT EMBEDDED FOUNDATIONS. ANGLE AND DEADEND STRUCTURES WILL DIFFER AND BE PLACED ON CONCRETE FOUNDATIONS.

TITLE FROST BRIDGE TO CAMPVILLE 115-kV PROJECT PROPOSED CROSS SECTIONS PURGATORY JCT. TO WALNUT HILL JCT.			
BY D. LAURSEN	CHKD V. MONTEMURRO	APP	APP
DATE 12/16/15	DATE 12/16/15	DATE	DATE
SCALE NONE	MICROFILM DATE	DWG. NO.	XS-3
P.A. #			

THIS PAGE INTENTIONALLY LEFT BLANK



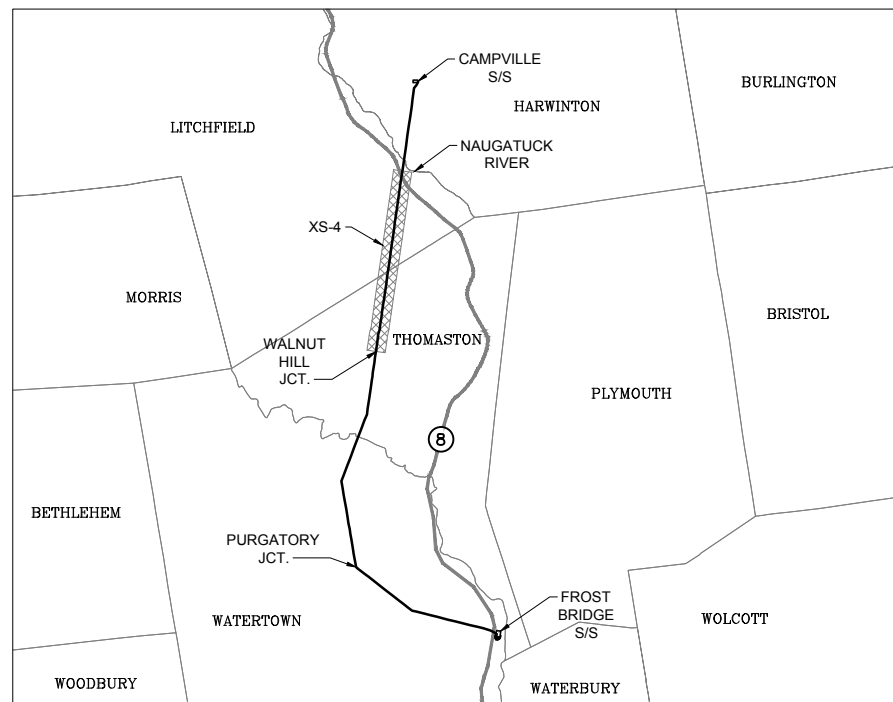
**PROPOSED CONFIGURATION
DELTA DESIGN**

WALNUT HILL JUNCTION
TO
SOUTH BANK OF NAUGATUCK RIVER

IN THE TOWNS OF
THOMASTON & LITCHFIELD

LOOKING
NORTH

(2.5 MILES)



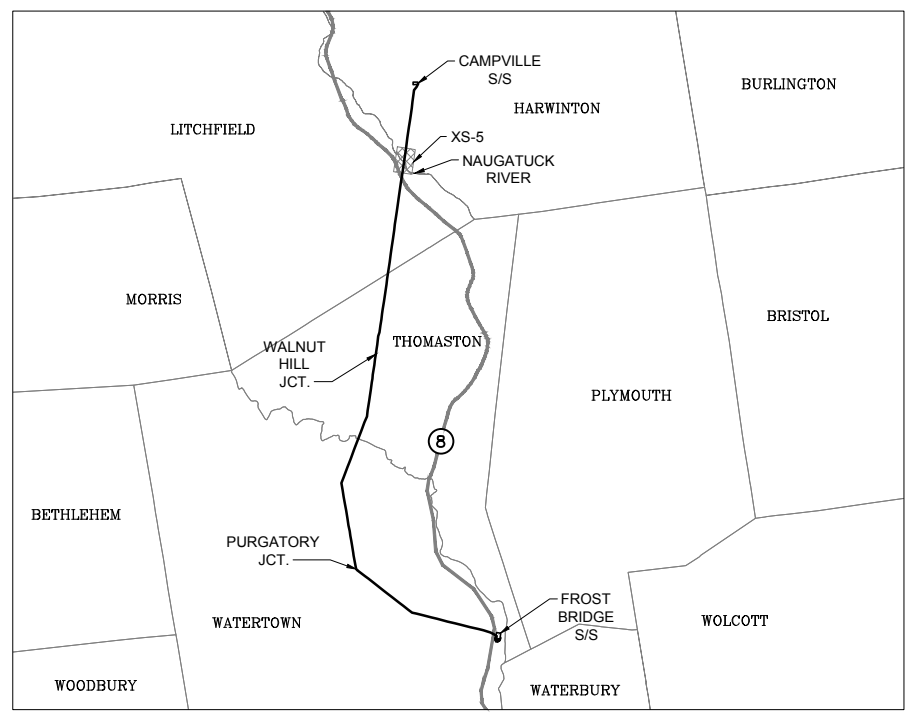
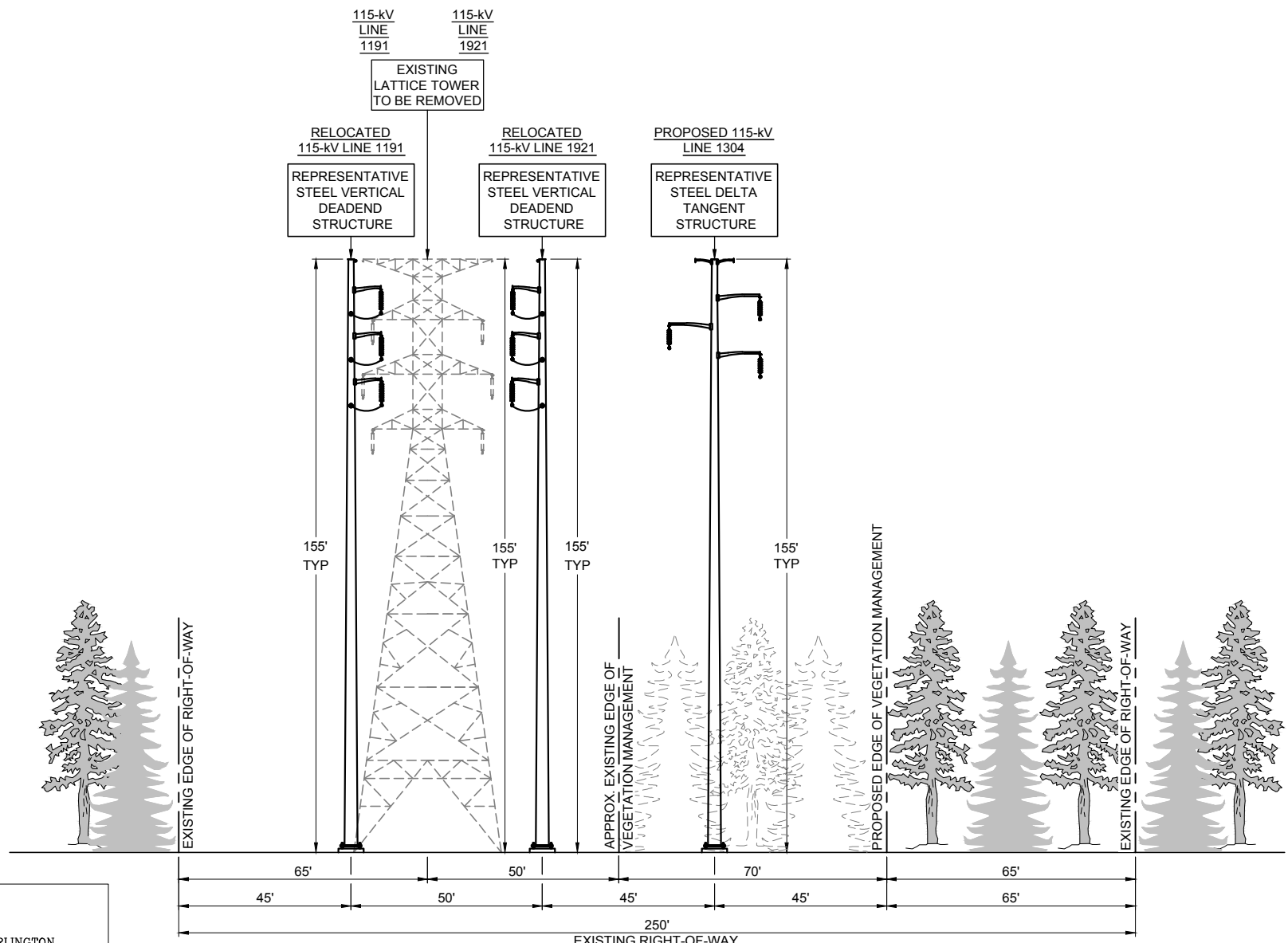
NOTES:

- EXISTING LINES TO REMAIN.
- PRELIMINARY STRUCTURE SPOTTING IS BASED ON STRUCTURE-FOR-STRUCTURE INSTALLATION.
- EXISTING VEGETATION MANAGEMENT EDGES ARE TYPICAL.
- AFTER THE CONDUCTORS HAVE BEEN INSTALLED, A REFERENCE IS ESTABLISHED THAT MAY IDENTIFY ADDITIONAL DANGER TREES OUTSIDE THE INITIALLY CLEARED AREA THAT MIGHT NEED TO BE REMOVED.
- DEPICTED REPRESENTATIVE STRUCTURES ARE STEEL TANGENT STRUCTURES UTILIZING DIRECT EMBEDDED FOUNDATIONS. ANGLE AND DEADEND STRUCTURES WILL DIFFER AND BE PLACED ON CONCRETE FOUNDATIONS.

TITLE
**FROST BRIDGE TO CAMPVILLE 115-kV PROJECT
PROPOSED CROSS SECTIONS
WALNUT HILL JCT. TO S. BANK OF NAUGATUCK RIVER**

BY D. LAURSEN	CHKD V. MONTEMURRO	APP	APP
DATE 12/16/15	DATE 12/16/15	DATE	DATE
SCALE NONE	MICROFILM DATE	DWG. NO.	XS-4
P.A. #			

THIS PAGE INTENTIONALLY LEFT BLANK



**PROPOSED CONFIGURATION
DELTA DESIGN**

SOUTH BANK OF NAUGATUCK RIVER
TO
NORTH BANK OF NAUGATUCK RIVER

IN THE TOWNS OF
LITCHFIELD & HARWINTON

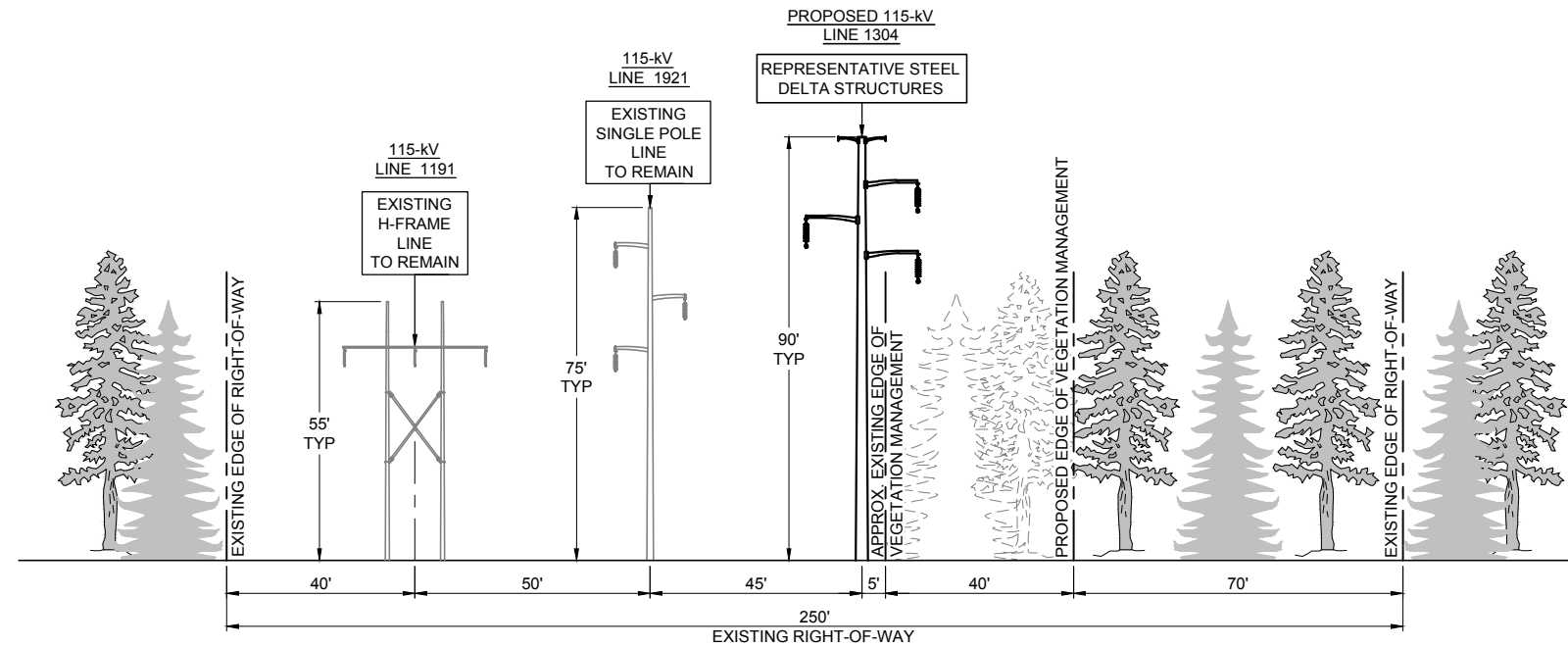
LOOKING
NORTH

(0.4 MILE)

- NOTES:**
- EXISTING LINES TO REMAIN.
 - PRELIMINARY STRUCTURE SPOTTING IS BASED ON STRUCTURE-FOR-STRUCTURE INSTALLATION.
 - EXISTING VEGETATION MANAGEMENT EDGES ARE TYPICAL.
 - AFTER THE CONDUCTORS HAVE BEEN INSTALLED, A REFERENCE IS ESTABLISHED THAT MAY IDENTIFY ADDITIONAL DANGER TREES OUTSIDE THE INITIALLY CLEARED AREA THAT MIGHT NEED TO BE REMOVED.

TITLE FROST BRIDGE TO CAMPVILLE 115-kV PROJECT PROPOSED CROSS SECTIONS S. BANK OF NAUGATUCK RIVER. TO N. BANK OF NAUGATUCK RIVER			
BY D. LAURSEN	CHKD V. MONTEMURRO	APP	APP
DATE 12/16/15	DATE 12/16/15	DATE	DATE
SCALE NONE	MICROFILM DATE	DWG. NO.	XS-5
P.A. #			

THIS PAGE INTENTIONALLY LEFT BLANK



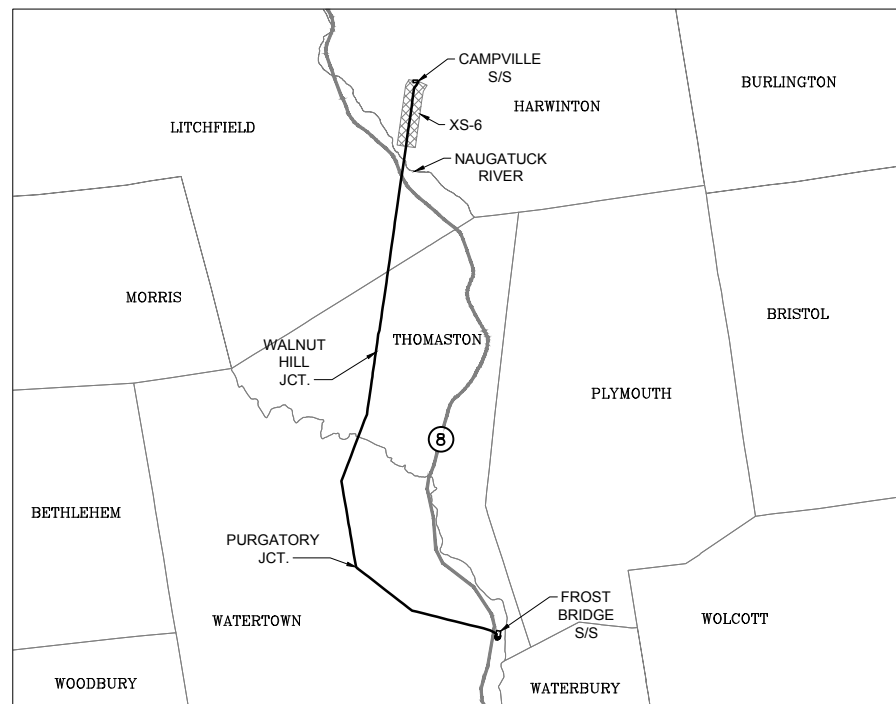
**PROPOSED CONFIGURATION
DELTA DESIGN**

**NORTH BANK OF NAUGATUCK RIVER
TO
CAMPVILLE SUBSTATION**

**IN THE TOWN OF
HARWINTON**

**LOOKING
NORTH**

(1.0 MILES)



KEY MAP
NOT TO SCALE

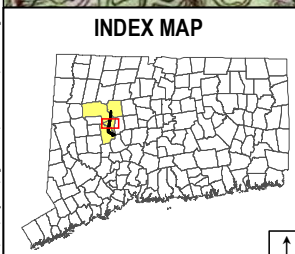
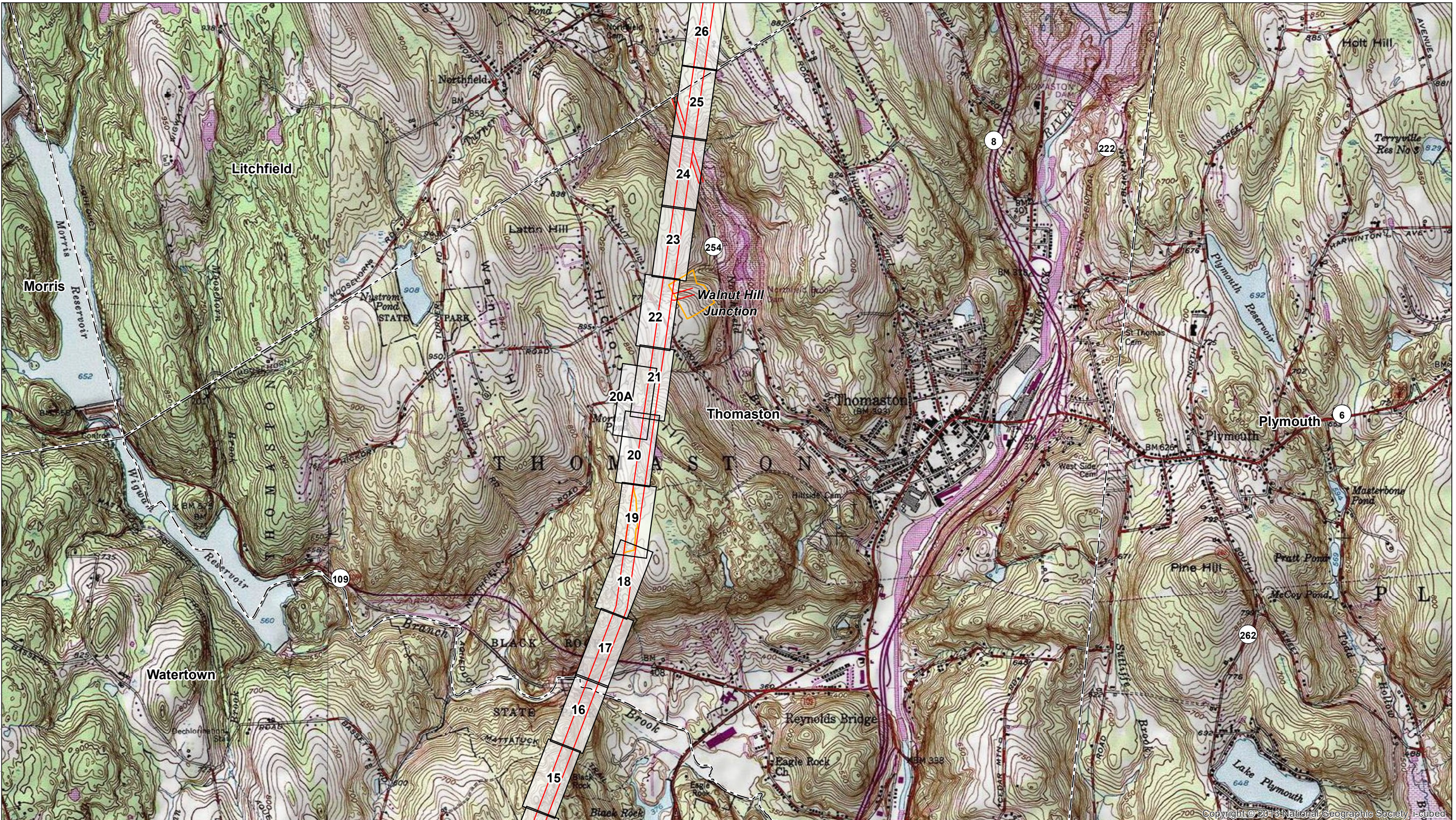


NOTES:

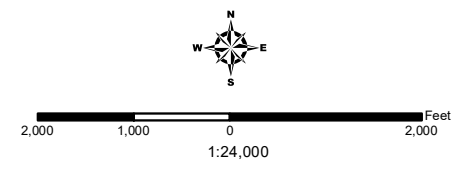
1. EXISTING LINES TO REMAIN.
2. PRELIMINARY STRUCTURE SPOTTING IS BASED ON STRUCTURE-FOR-STRUCTURE INSTALLATION.
3. EXISTING VEGETATION MANAGEMENT EDGES ARE TYPICAL.
4. AFTER THE CONDUCTORS HAVE BEEN INSTALLED, A REFERENCE IS ESTABLISHED THAT MAY IDENTIFY ADDITIONAL DANGER TREES OUTSIDE THE INITIALLY CLEARED AREA THAT MIGHT NEED TO BE REMOVED.
5. DEPICTED REPRESENTATIVE STRUCTURES ARE STEEL TANGENT STRUCTURES UTILIZING DIRECT EMBEDDED FOUNDATIONS. ANGLE AND DEADEND STRUCTURES WILL DIFFER AND BE PLACED ON CONCRETE FOUNDATIONS.

TITLE FROST BRIDGE TO CAMPVILLE 115-kV PROJECT PROPOSED CROSS SECTIONS N. BANK OF NAUGATUCK RIVER TO CAMPVILLE SUBSTATION			
BY D. LAURSEN	CHKD V. MONTEMURRO	APP	APP
DATE 12/16/15	DATE 12/16/15	DATE	DATE
SCALE NONE	MICROFILM DATE	DWG. NO.	XS-6
P.A. #			

THIS PAGE INTENTIONALLY LEFT BLANK



- Legend**
- Map Sheet
 - Existing Right-of-Way
 - Eversource Owned Property
 - Municipal Boundary



NO.	DATE	REVISIONS	BY	CHK	APP	APP

EVERSOURCE
ENERGY

**Frost Bridge to Campville
115-kV Project
Index Map - Sheet 2**

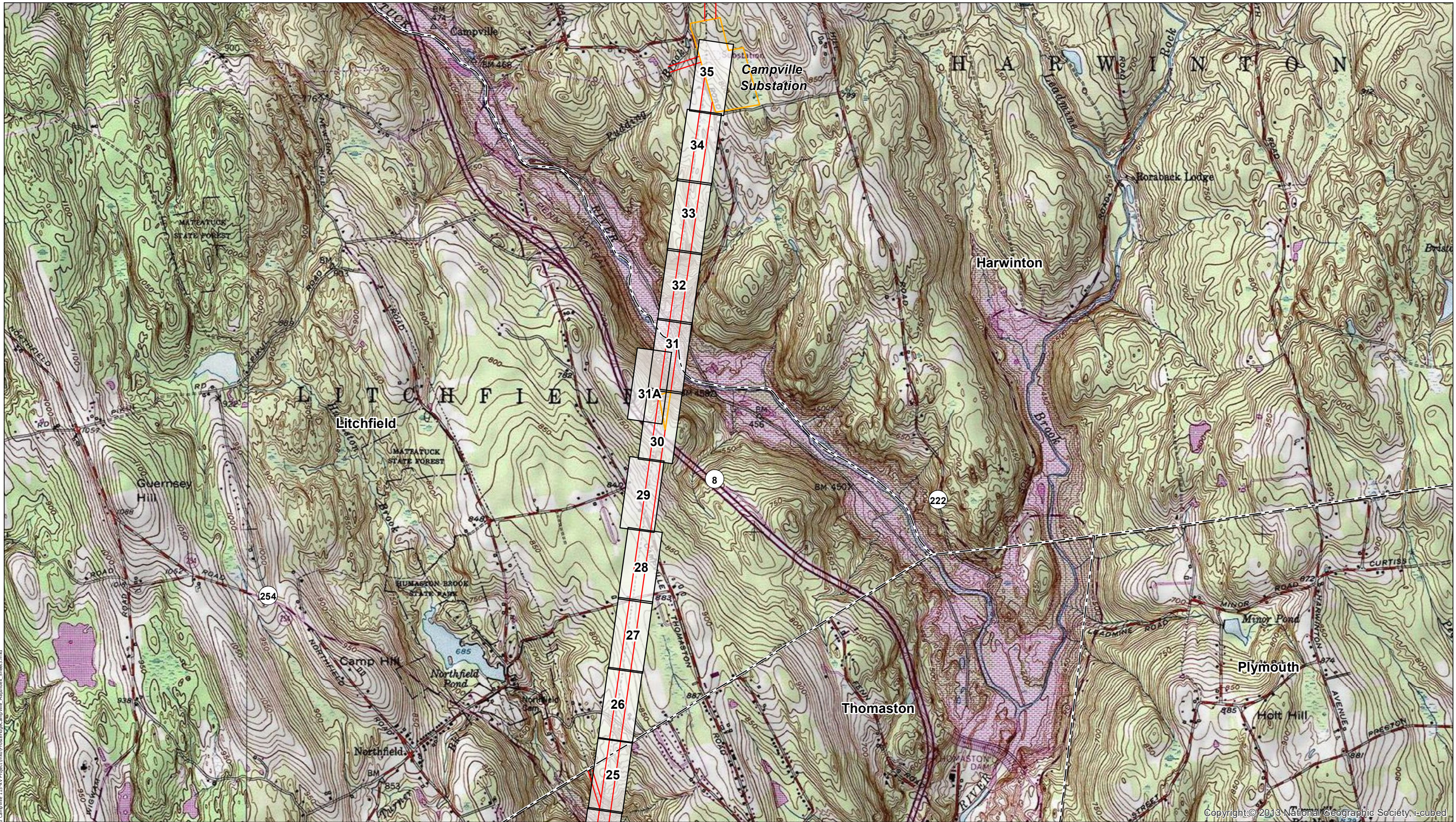
Watertown, Thomaston, and Litchfield, CT

Date: July, 2016 Map Author: N. Castro

C:\GIS\Projects\TightBowl\Eversource\Frost Bridge to Campville_115-kV Project\mxd\FrostBridgeCampville_MapIndex_Sheet2.mxd

Base Map Source: ESRI USA Topo Maps

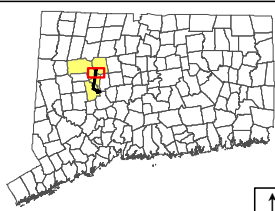
Copyright © 2013 National Geographic Society, I-cubed



C:\GIS\Projects\TightBout\Drawings\Frost Bridge to Campville 115-kV Project\Map\Drawings\Frost Bridge to Campville 115-kV Project\Map\Drawings\MapIndex_Sheet3.mxd

Copyright © 2013 National Geographic Society, i-cubed

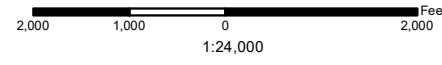
INDEX MAP



Legend

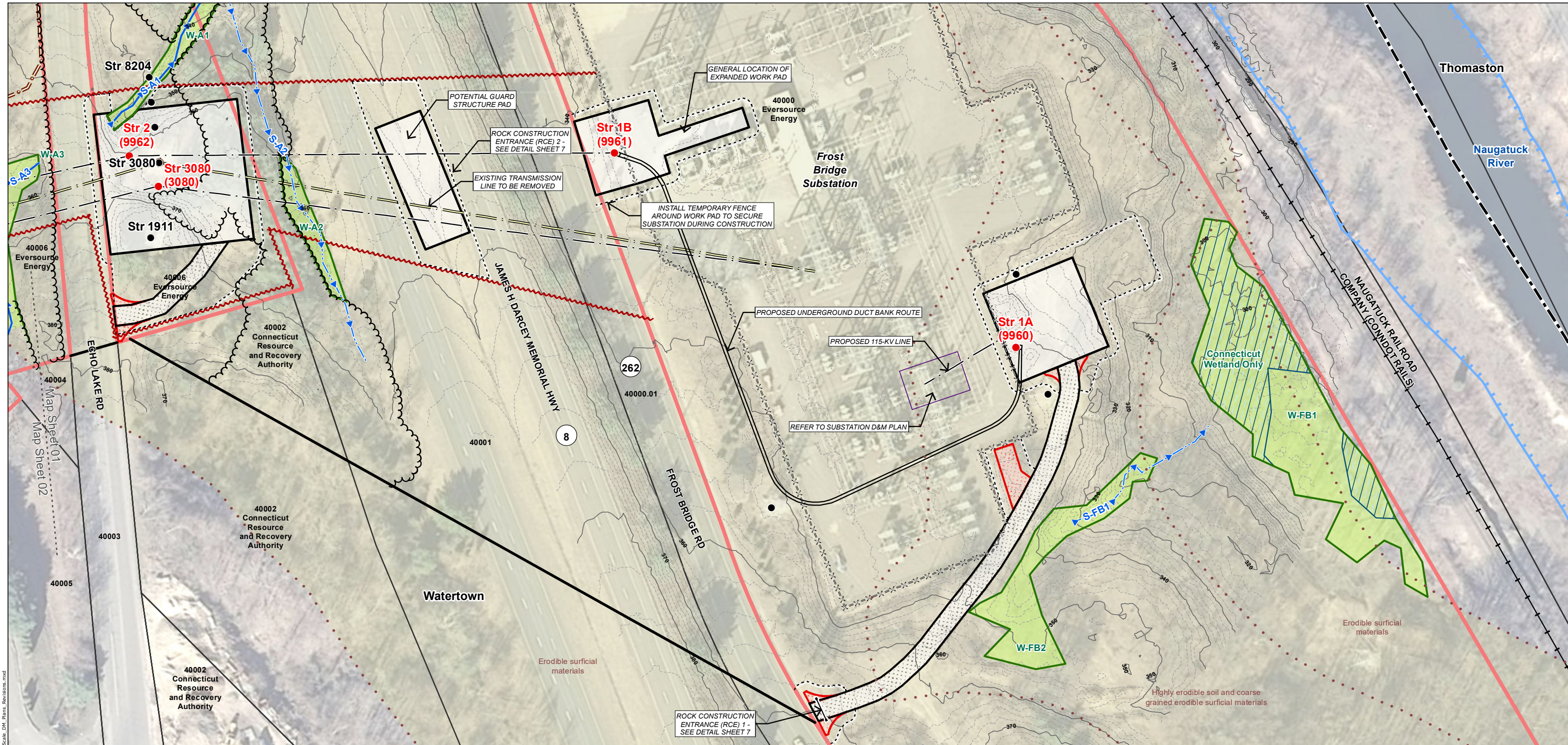
- Map Sheet
- Existing Right-of-Way
- Eversource Owned Property
- Municipal Boundary

Base Map Source: ESRI USA Topo Maps

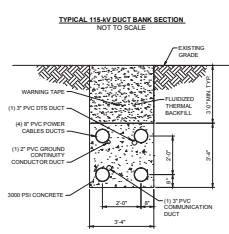


EVERSOURCE ENERGY Frost Bridge to Campville 115-kV Project Index Map - Sheet 3						
Thomaston, Litchfield, and Harwinton, CT Date: July, 2016 Map Author: N. Castro						
NO.	DATE	REVISIONS	BY	CHK	APP	APP

THIS PAGE INTENTIONALLY LEFT BLANK



XS-1 UNDERGROUND CABLE SEGMENT

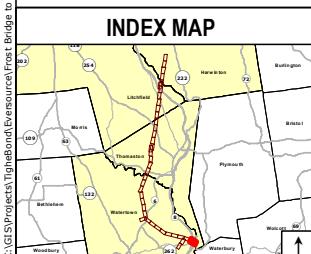


GENERAL NOTES

1. PERMIT PLANS ONLY NOT FOR CONSTRUCTION
2. THE LIMITS OF DISTURBANCE AS SHOWN DEFINE AREAS WHERE VEGETATION REMOVAL AND GRUBBING, GRADING, AND EXCAVATION MAY OCCUR. MINOR DEVIATIONS MAY BE REQUIRED IN SOME LOCATIONS.
3. ALL WORK WILL BE CONDUCTED IN ACCORDANCE WITH THE RELEVANT PORTIONS OF EVERSOURCE'S BMP MANUAL, CONNECTICUT CONSTRUCTION AND MAINTENANCE ENVIRONMENTAL REQUIREMENTS (BMP MANUAL), UNLESS MORE STRINGENT PROJECT-SPECIFIC MEASURES APPLY.
4. ALL WORK WILL BE CONDUCTED IN ACCORDANCE WITH THE REQUIREMENTS OF REGULATORY APPROVALS FROM THE U.S. ARMY CORPS OF ENGINEERS AND THE CONNECTICUT DEPARTMENT OF ENERGY AND ENVIRONMENTAL PROTECTION, AND WITH ALL PROJECT PROTOCOLS.
5. INSTALL ALL EROSION AND SEDIMENTATION CONTROL MEASURES AS SHOWN ON THE PLANS AND ELSEWHERE AS NECESSARY TO PREVENT SOIL EROSION AND SEDIMENT TRANSPORT, AND COMPLY WITH THE 2002 CONNECTICUT GUIDELINES FOR SOIL EROSION AND SEDIMENT CONTROL. ADDITIONAL CONTROLS, NOT DEPICTED ON THE PLANS, MAY BE NECESSARY FOR COMPLIANCE. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO ASSESS THE NEED FOR, AND INSTALL ADDITIONAL CONTROLS THAT ARE WARRANTED BY SITE CONDITIONS.
6. RETAINING WALLS ARE DEPICTED IN SOME LOCATIONS. RETAINING WALLS MAY BE UTILIZED BY THE CONTRACTOR IN ORDER TO PROVIDE AN ADEQUATELY SIZED WORK PAD WHERE STEEP TOPOGRAPHY EXISTS THEREBY AVOIDING NON-COMPLIANT SLOPES PER THE 2002 CONNECTICUT GUIDELINES. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO DETERMINE THE NEED FOR, LOCATION OF, MEANS AND METHODS OF CONSTRUCTION, AND SAFETY MEASURES UTILIZED FOR RETAINING WALLS. RETAINING WALLS MAY BE REQUIRED IN ADDITIONAL LOCATIONS NOT DEPICTED ON THE PLANS.
7. UPON COMPLETION OF CONSTRUCTION, IT IS THE CONTRACTOR'S RESPONSIBILITY TO REMOVE RETAINING WALLS, REGRADE, AND STABILIZE SLOPES IN COMPLIANCE WITH THE 2002 CONNECTICUT GUIDELINES.
8. ALL TEMPORARY ACCESS ROADS IN UPLANDS ARE DEEMED TO BE PERMANENT UNLESS OTHERWISE NOTED
9. EXISTING CULVERTS WILL BE PROTECTED AS DEEMED NECESSARY TO PREVENT DAMAGE DURING CONSTRUCTION
10. WETLAND INVASIVE SPECIES CONTROL BMPs APPLY TO WORK WITHIN ALL WETLANDS WITH INVASIVE SPECIES. SEE DETAIL SHEET 2
11. VERNAL POOL BMPs ARE REQUIRED WITHIN INDICATED AREAS AS DIRECTED BY THE ENVIRONMENTAL INSPECTOR. SEE DETAIL SHEET 3
12. RARE SPECIES AVOIDANCE AND MINIMIZATION MEASURES ARE REQUIRED WITHIN INDICATED AREAS. SEE DETAIL SHEET 4
13. FARMLAND PROTECTION MEASURES ARE REQUIRED WITHIN INDICATED AREAS. SEE DETAIL SHEET 5

WORK AREA BOUNDARIES IN / NEAR WETLANDS
 1. VEGETATION REMOVAL WILL OCCUR WITHIN THE VEGETATION REMOVAL LIMITS AS SHOWN, WITH TEMPORARY ACCESS ROUTES IN AND ACROSS WETLANDS AS NECESSARY UNLESS OTHERWISE NOTED. ADDITIONALLY, DANGER OR HAZARD TREE REMOVAL MAY BE REQUIRED OUTSIDE OF THE VEGETATION REMOVAL LIMITS.
 2. ALL PROJECT CONSTRUCTION ACTIVITIES IN WETLANDS (EXCLUDING VEGETATION REMOVAL) WILL BE CONTAINED WITHIN THE DEPICTED WORK PADS AND ACCESS ROADS.

STR #	DESCRIPTION	HEIGHT (FT)	FINISH	FOUNDATION
1A	FROST BRIDGE OH TRANSITION STRUCTURE	75	WEATHERING STEEL	DRILLED SHAFT
1B	FROST BRIDGE OH TRANSITION STRUCTURE	105	WEATHERING STEEL	DRILLED SHAFT
2	VERTICAL DEADEND	145	WEATHERING STEEL	DRILLED SHAFT
3080	VERTICAL DEADEND	150	WEATHERING STEEL	DRILLED SHAFT



Legend

- Proposed Structure
- Structure to be Removed
- Existing Structure
- Existing Right-of-Way
- Proposed 115-kV Line (Centerline)
- Existing Transmission Line to be Removed
- 10' Contour Line
- 2' Contour Line
- Railroad
- Stonewall
- Fence
- Gate
- Tree Line
- Vegetation Removal Limits
- Limit of Disturbance
- Designated Recreation Trail
- Trail Points
- Work Pad
- Existing Access Road
- Existing Alternate Access Road
- New Access Road
- New Alternate Access Road
- New Temporary Access Road
- Proposed Substation Expansion
- Culvert (center)
- Intermittent Watercourse
- Perennial Watercourse
- Ordinary High Water Mark
- Wetland Boundary
- Wetland Area
- Connecticut Wetlands Only
- Temporary Wetland Impact
- Permanent Wetland Impact
- Rare Species
- Vernal Pool
- Decoy Vernal Pool
- Highly Erodible Soils
- 100 Year Flood Zone
- Eversource Owned Property
- Parcel Boundary
- Municipal Boundary
- REV 1 D&M Plan Revision Area
- Map Sheet Matchline
- Underground ADSS
- Temporary Structure
- Temporary Guy Anchor

Base Map Source: 2012 Aerial Imagery (CTECO) 0 50 100 Feet
 1 inch = 100 feet

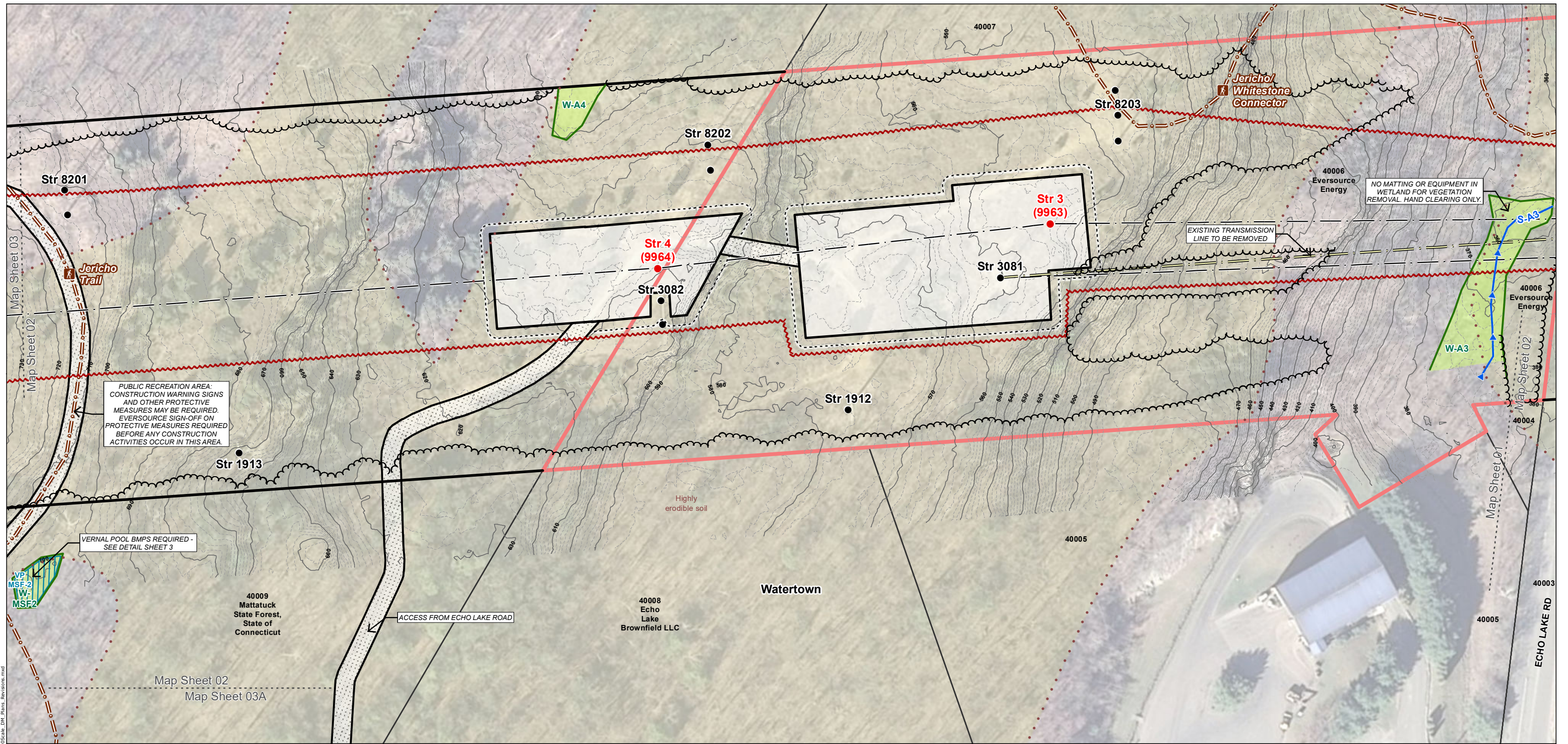
NO.	DATE	REVISIONS	BY	CHK	APP	APP

EVERSOURCE ENERGY
Frost Bridge to Campville 115-kV Project
Development & Management Plan

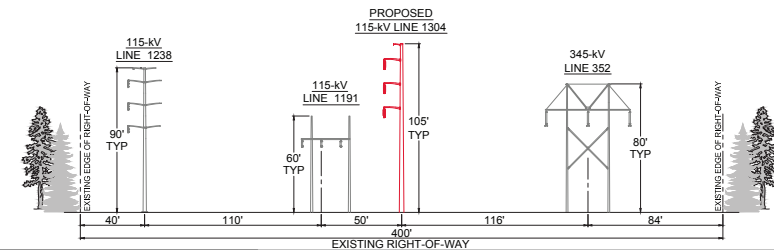
Watertown, CT
 January 2017

Map Sheet 01 of 35
 Map Author: N. Castro

Tighe & Bond
ALL-POINTS TECHNOLOGY CORPORATION



XS-2 VIEW LOOKING WEST FROM FROST BRIDGE SUBSTATION TOWARDS CAMPVILLE SUBSTATION



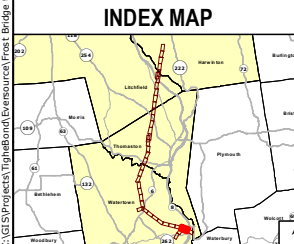
GENERAL NOTES

- PERMIT PLANS ONLY NOT FOR CONSTRUCTION
- THE LIMITS OF DISTURBANCE AS SHOWN DEFINE AREAS WHERE VEGETATION REMOVAL AND GRUBBING, GRADING, AND EXCAVATION MAY OCCUR. MINOR DEVIATIONS MAY BE REQUIRED IN SOME LOCATIONS.
- ALL WORK WILL BE CONDUCTED IN ACCORDANCE WITH THE RELEVANT PORTIONS OF EVERSOURCE'S BMP MANUAL: CONNECTICUT CONSTRUCTION AND MAINTENANCE ENVIRONMENTAL REQUIREMENTS (BMP MANUAL), UNLESS MORE STRINGENT PROJECT-SPECIFIC MEASURES APPLY.
- ALL WORK WILL BE CONDUCTED IN ACCORDANCE WITH THE REQUIREMENTS OF REGULATORY APPROVALS FROM THE U.S. ARMY CORPS OF ENGINEERS AND THE CONNECTICUT DEPARTMENT OF ENERGY AND ENVIRONMENTAL PROTECTION, AND WITH ALL PROJECT PROTOCOLS.
- INSTALL ALL EROSION AND SEDIMENTATION CONTROL MEASURES AS SHOWN ON THE PLANS AND ELSEWHERE AS NECESSARY TO PREVENT SOIL EROSION AND SEDIMENT CONTROL. ADDITIONAL CONTROLS, NOT DEPICTED ON THE PLANS, MAY BE NECESSARY FOR COMPLIANCE. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO ASSESS THE NEED FOR, AND INSTALL ADDITIONAL CONTROLS THAT ARE WARRANTED BY SITE CONDITIONS.
- RETAINING WALLS ARE DEPICTED IN SOME LOCATIONS. RETAINING WALLS MAY BE UTILIZED BY THE CONTRACTOR IN ORDER TO PROVIDE AN ADEQUATELY SIZED WORK PAD WHERE STEEP TOPOGRAPHY EXISTS THEREBY AVOIDING NON-COMPLIANT SLOPES PER THE 2002 CONNECTICUT GUIDELINES. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO DETERMINE THE NEED FOR, LOCATION OF, MEANS AND METHODS OF CONSTRUCTION, AND SAFETY MEASURES UTILIZED FOR RETAINING WALLS. RETAINING WALLS MAY BE REQUIRED IN ADDITIONAL LOCATIONS NOT DEPICTED ON THE PLANS.
- UPON COMPLETION OF CONSTRUCTION, IT IS THE CONTRACTOR'S RESPONSIBILITY TO REMOVE RETAINING WALLS, REGRADE, AND STABILIZE SLOPES IN COMPLIANCE WITH THE 2002 CONNECTICUT GUIDELINES.
- ALL TEMPORARY ACCESS ROADS IN UPLANDS ARE DEEMED TO BE PERMANENT UNLESS OTHERWISE NOTED
- EXISTING CULVERTS WILL BE PROTECTED AS DEEMED NECESSARY TO PREVENT DAMAGE DURING CONSTRUCTION
- WETLAND INVASIVE SPECIES CONTROL BMPS APPLY TO WORK WITHIN ALL WETLANDS WITH INVASIVE SPECIES. SEE DETAIL SHEET 2
- VERNAL POOL BMPS ARE REQUIRED WITHIN INDICATED AREAS AS DIRECTED BY THE ENVIRONMENTAL INSPECTOR. SEE DETAIL SHEET 3
- RARE SPECIES AVOIDANCE AND MINIMIZATION MEASURES ARE REQUIRED WITHIN INDICATED AREAS. SEE DETAIL SHEET 4
- FARMLAND PROTECTION MEASURES ARE REQUIRED WITHIN INDICATED AREAS. SEE DETAIL SHEET 5

WORK AREA BOUNDARIES IN / NEAR WETLANDS

- VEGETATION REMOVAL WILL OCCUR WITHIN THE VEGETATION REMOVAL LIMITS AS SHOWN, WITH TEMPORARY ACCESS ROUTES IN AND ACROSS WETLANDS AS NECESSARY UNLESS OTHERWISE NOTED. ADDITIONALLY, DANGER OR HAZARD TREE REMOVAL MAY BE REQUIRED OUTSIDE OF THE VEGETATION REMOVAL LIMITS.
- ALL PROJECT CONSTRUCTION ACTIVITIES IN WETLANDS (EXCLUDING VEGETATION REMOVAL) WILL BE CONTAINED WITHIN THE DEPICTED WORK PADS AND ACCESS ROADS.

STR #	DESCRIPTION	HEIGHT (FT)	FINISH	FOUNDATION
3	VERTICAL DEADEND	100	WEATHERING STEEL	DRILLED SHAFT
4	VERTICAL STRAIN-BODY OF POLE	115	WEATHERING STEEL	DRILLED SHAFT



Legend

- Proposed Structure
- Structure to be Removed
- Existing Structure
- Existing Right-of-Way
- Proposed 115-kV Line (Centerline)
- Existing Transmission Line to be Removed
- 10' Contour Line
- 2' Contour Line
- Railroad
- Stonewall
- Fence
- Gate
- Tree Line
- Vegetation Removal Limits
- Limit of Disturbance
- Designated Recreation Trail
- Trail Points
- Work Pad
- Existing Access Road
- Existing Alternate Access Road
- New Access Road
- New Alternate Access Road
- New Temporary Access Road
- Proposed Substation Expansion
- Culvert (center)
- Intermittent Watercourse
- Perennial Watercourse
- Ordinary High Water Mark
- Wetland Boundary
- Wetland Area
- Connecticut Wetlands Only
- Temporary Wetland Impact
- Permanent Wetland Impact
- Rare Species
- Vernal Pool
- Decoy Vernal Pool
- Highly Erodible Soils
- 100 Year Flood Zone
- Eversource Owned Property
- Parcel Boundary
- Municipal Boundary
- REV 1 D&M Plan Revision Area
- Map Sheet Matchline
- Underground ADSS
- Temporary Structure
- Temporary Guy Anchor

Base Map Source: 2012 Aerial Imagery (CTECO) 0
 1 inch = 100 feet
 50 100 Feet

NO.	DATE	REVISIONS	BY	CHK	APP	APP

EVERSOURCE ENERGY

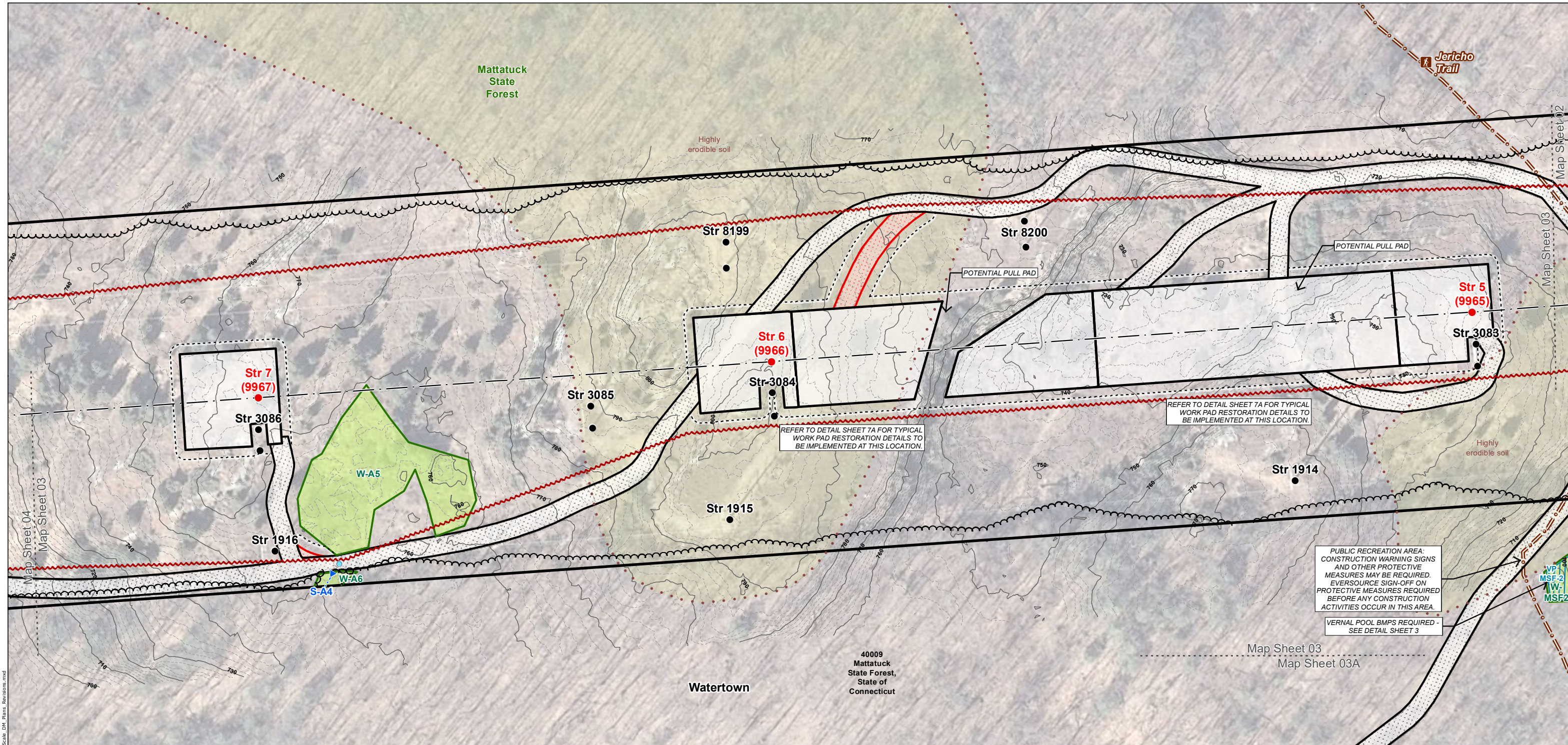
Frost Bridge to Campville 115-kV Project

Development & Management Plan

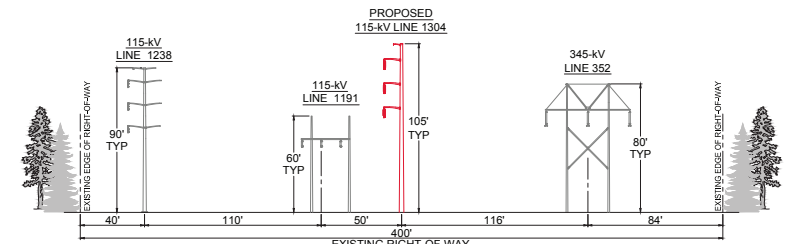
Watertown, CT Map Sheet 02 of 35

January 2017 Map Author: N. Castro

Tighe & Bond ALL-POINTS TECHNOLOGY CORPORATION



XS-2 VIEW LOOKING WEST FROM FROST BRIDGE SUBSTATION TOWARDS CAMPVILLE SUBSTATION



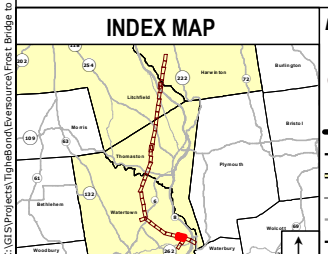
GENERAL NOTES

- PERMIT PLANS ONLY NOT FOR CONSTRUCTION
- THE LIMITS OF DISTURBANCE AS SHOWN DEFINE AREAS WHERE VEGETATION REMOVAL AND GRUBBING, GRADING, AND EXCAVATION MAY OCCUR. MINOR DEVIATIONS MAY BE REQUIRED IN SOME LOCATIONS.
- ALL WORK WILL BE CONDUCTED IN ACCORDANCE WITH THE RELEVANT PORTIONS OF EVERSOURCE'S BMP MANUAL, CONNECTICUT CONSTRUCTION AND MAINTENANCE ENVIRONMENTAL REQUIREMENTS (BMP MANUAL), UNLESS MORE STRINGENT PROJECT-SPECIFIC MEASURES APPLY.
- ALL WORK WILL BE CONDUCTED IN ACCORDANCE WITH REGULATORY APPROVALS FROM THE U.S. ARMY CORPS OF ENGINEERS AND THE CONNECTICUT DEPARTMENT OF ENERGY AND ENVIRONMENTAL PROTECTION, AND WITH ALL PROJECT PROTOCOLS.
- INSTALL ALL EROSION AND SEDIMENTATION CONTROL MEASURES AS SHOWN ON THE PLANS AND ELSEWHERE AS NECESSARY TO PREVENT SOIL EROSION AND SEDIMENT TRANSPORT, AND COMPLY WITH THE 2002 CONNECTICUT GUIDELINES FOR SOIL EROSION AND SEDIMENT CONTROL. ADDITIONAL CONTROLS, NOT DEPICTED ON THE PLANS, MAY BE NECESSARY FOR COMPLIANCE. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO ASSESS THE NEED FOR, AND INSTALL ADDITIONAL CONTROLS THAT ARE WARRANTED BY SITE CONDITIONS.
- RETAINING WALLS ARE DEPICTED IN SOME LOCATIONS. RETAINING WALLS MAY BE UTILIZED BY THE CONTRACTOR IN ORDER TO PROVIDE AN ADEQUATELY SIZED WORK PAD WHERE STEEP TOPOGRAPHY EXISTS THEREBY AVOIDING NON-COMPLIANT SLOPES PER THE 2002 CONNECTICUT GUIDELINES. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO DETERMINE THE NEED FOR, LOCATION OF, MEANS AND METHODS OF CONSTRUCTION, AND SAFETY MEASURES UTILIZED FOR RETAINING WALLS. RETAINING WALLS MAY BE REQUIRED IN ADDITIONAL LOCATIONS NOT DEPICTED ON THE PLANS.
- UPON COMPLETION OF CONSTRUCTION, IT IS THE CONTRACTOR'S RESPONSIBILITY TO REMOVE RETAINING WALLS, REGRADE, AND STABILIZE SLOPES IN COMPLIANCE WITH THE 2002 CONNECTICUT GUIDELINES.
- ALL TEMPORARY ACCESS ROADS IN UPLANDS ARE DEEMED TO BE PERMANENT UNLESS OTHERWISE NOTED
- EXISTING CULVERTS WILL BE PROTECTED AS DEEMED NECESSARY TO PREVENT DAMAGE DURING CONSTRUCTION
- WETLAND INVASIVE SPECIES CONTROL BMPs APPLY TO WORK WITHIN ALL WETLANDS WITH INVASIVE SPECIES. SEE DETAIL SHEET 2
- VERNAL POOL BMPs ARE REQUIRED WITHIN INDICATED AREAS AS DIRECTED BY THE ENVIRONMENTAL INSPECTOR. SEE DETAIL SHEET 3
- RARE SPECIES AVOIDANCE AND MINIMIZATION MEASURES ARE REQUIRED WITHIN INDICATED AREAS. SEE DETAIL SHEET 4
- FARMLAND PROTECTION MEASURES ARE REQUIRED WITHIN INDICATED AREAS. SEE DETAIL SHEET 5

WORK AREA BOUNDARIES IN / NEAR WETLANDS

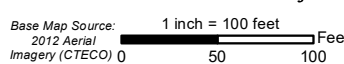
- VEGETATION REMOVAL WILL OCCUR WITHIN THE VEGETATION REMOVAL LIMITS AS SHOWN, WITH TEMPORARY ACCESS ROUTES IN AND ACROSS WETLANDS AS NECESSARY UNLESS OTHERWISE NOTED. ADDITIONALLY, DANGER OR HAZARD TREE REMOVAL MAY BE REQUIRED OUTSIDE OF THE VEGETATION REMOVAL LIMITS.
- ALL PROJECT CONSTRUCTION ACTIVITIES IN WETLANDS (EXCLUDING VEGETATION REMOVAL) WILL BE CONTAINED WITHIN THE DEPICTED WORK PADS AND ACCESS ROADS.

STR #	DESCRIPTION	HEIGHT (FT)	FINISH	FOUNDATION
5	VERTICAL TANGENT	88.5	WEATHERING STEEL	DIRECT EMBEDDED
6	VERTICAL TANGENT	98	WEATHERING STEEL	DIRECT EMBEDDED
7	VERTICAL TANGENT	107.5	WEATHERING STEEL	DIRECT EMBEDDED



Legend

- Proposed Structure
- Structure to be Removed
- Existing Structure
- Existing Right-of-Way
- Proposed 115-kV Line (Centerline)
- Existing Transmission Line to be Removed
- 10' Contour Line
- 2' Contour Line
- Railroad
- Stonewall
- Fence
- Gate
- Tree Line
- Vegetation Removal Limits
- Limit of Disturbance
- Designated Recreation Trail
- Trail Points
- Work Pad
- Existing Access Road
- Existing Alternate Access Road
- New Access Road
- New Alternate Access Road
- New Temporary Access Road
- Proposed Substation Expansion
- Culvert (center)
- Intermittent Watercourse
- Perennial Watercourse
- Ordinary High Water Mark
- Wetland Boundary
- Wetland Area
- Connecticut Wetlands Only
- Temporary Wetland Impact
- Permanent Wetland Impact
- Rare Species
- Vernal Pool
- Decoy Vernal Pool
- Highly Erodible Soils
- 100 Year Flood Zone
- Eversource Owned Property
- Parcel Boundary
- Municipal Boundary
- REV 1 D&M Plan Revision Area
- Map Sheet Matchline
- Underground ADSS
- Temporary Structure
- Temporary Guy Anchor



NO.	DATE	REVISIONS	BY	CHK	APP	APP

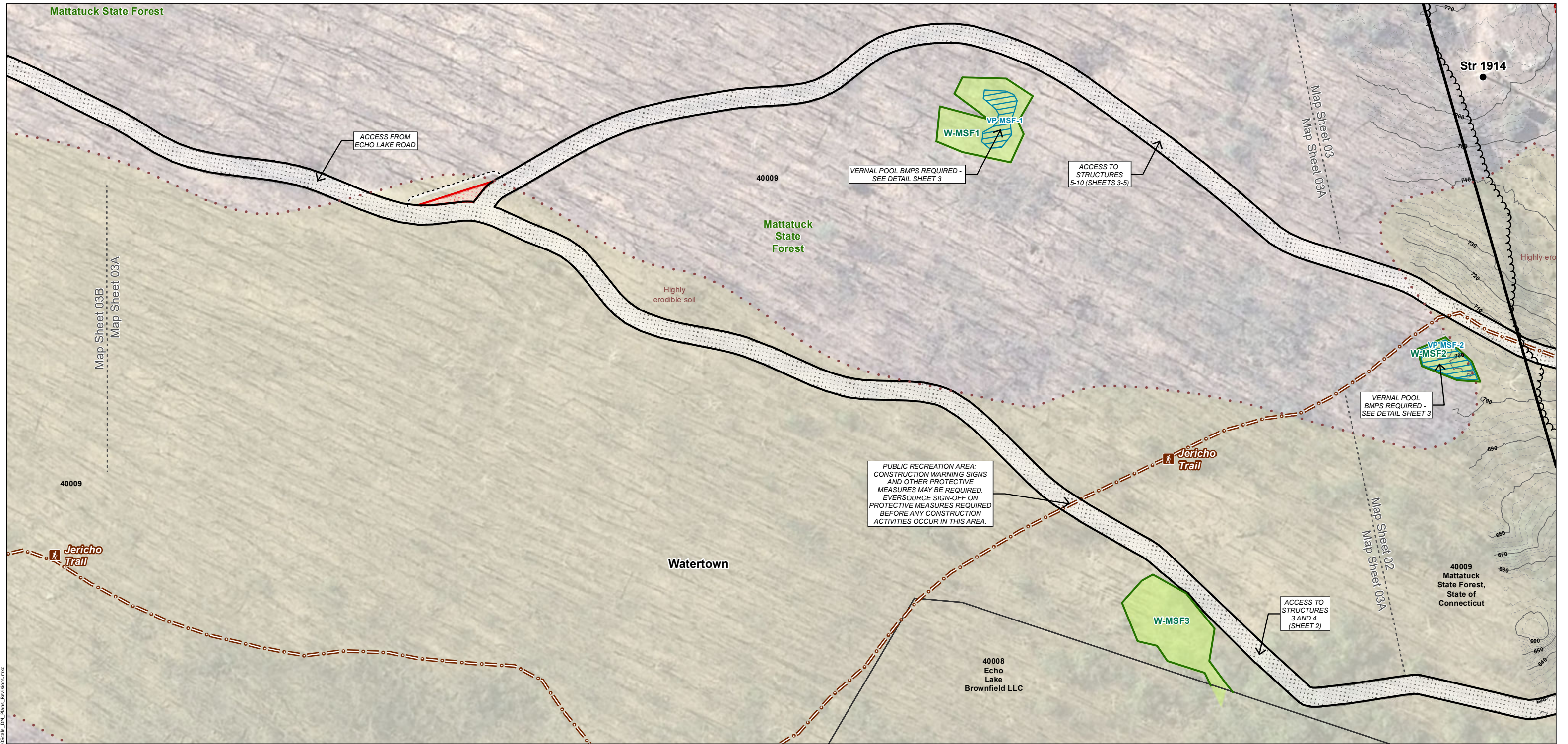
EVERSOURCE ENERGY

Frost Bridge to Campville 115-kV Project Development & Management Plan

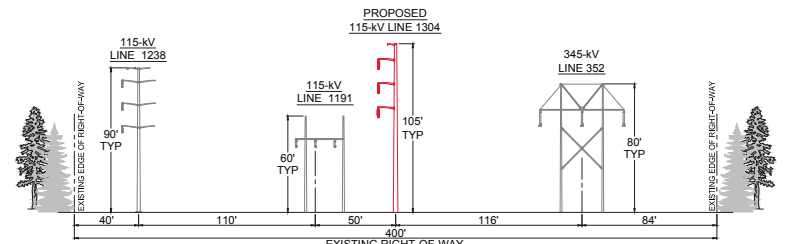
Watertown, CT Map Sheet 03 of 35

January 2017 Map Author: N. Castro

Tighe & Bond ALL-POINTS TECHNOLOGY CORPORATION

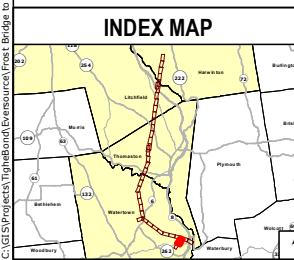


XS-2 VIEW LOOKING WEST FROM FROST BRIDGE SUBSTATION TOWARDS CAMPVILLE SUBSTATION



GENERAL NOTES

- PERMIT PLANS ONLY NOT FOR CONSTRUCTION
 - THE LIMITS OF DISTURBANCE AS SHOWN DEFINE AREAS WHERE VEGETATION REMOVAL AND GRUBBING, GRADING, AND EXCAVATION MAY OCCUR. MINOR DEVIATIONS MAY BE REQUIRED IN SOME LOCATIONS.
 - ALL WORK WILL BE CONDUCTED IN ACCORDANCE WITH THE RELEVANT PORTIONS OF EVERSOURCE'S BMP MANUAL: CONNECTICUT CONSTRUCTION AND MAINTENANCE ENVIRONMENTAL REQUIREMENTS (BMP MANUAL), UNLESS MORE STRINGENT PROJECT-SPECIFIC MEASURES APPLY.
 - ALL WORK WILL BE CONDUCTED IN ACCORDANCE WITH THE REQUIREMENTS OF REGULATORY APPROVALS FROM THE U.S. ARMY CORPS OF ENGINEERS AND THE CONNECTICUT DEPARTMENT OF ENERGY AND ENVIRONMENTAL PROTECTION, AND WITH ALL PROJECT PROTOCOLS.
 - INSTALL ALL EROSION AND SEDIMENTATION CONTROL MEASURES AS SHOWN ON THE PLANS AND ELSEWHERE AS NECESSARY TO PREVENT SOIL EROSION AND SEDIMENT TRANSPORT, AND COMPLY WITH THE 2002 CONNECTICUT GUIDELINES FOR SOIL EROSION AND SEDIMENT CONTROL. ADDITIONAL CONTROLS, NOT DEPICTED ON THE PLANS, MAY BE NECESSARY FOR COMPLIANCE. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO ASSESS THE NEED FOR, AND INSTALL ADDITIONAL CONTROLS THAT ARE WARRANTED BY SITE CONDITIONS.
 - RETAINING WALLS ARE DEPICTED IN SOME LOCATIONS. RETAINING WALLS MAY BE UTILIZED BY THE CONTRACTOR IN ORDER TO PROVIDE AN ADEQUATELY SIZED WORK PAD WHERE STEEP TOPOGRAPHY EXISTS THEREBY AVOIDING NON-COMPLIANT SLOPES PER THE 2002 CONNECTICUT GUIDELINES. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO DETERMINE THE NEED FOR, LOCATION OF, MEANS AND METHODS OF CONSTRUCTION, AND SAFETY MEASURES UTILIZED FOR RETAINING WALLS. RETAINING WALLS MAY BE REQUIRED IN ADDITIONAL LOCATIONS NOT DEPICTED ON THE PLANS.
 - UPON COMPLETION OF CONSTRUCTION, IT IS THE CONTRACTOR'S RESPONSIBILITY TO REMOVE RETAINING WALLS, REGRADE, AND STABILIZE SLOPES IN COMPLIANCE WITH THE 2002 CONNECTICUT GUIDELINES.
 - ALL TEMPORARY ACCESS ROADS IN UPLANDS ARE DEEMED TO BE PERMANENT UNLESS OTHERWISE NOTED
 - EXISTING CULVERTS WILL BE PROTECTED AS DEEMED NECESSARY TO PREVENT DAMAGE DURING CONSTRUCTION
 - WETLAND INVASIVE SPECIES CONTROL BMPs APPLY TO WORK WITHIN ALL WETLANDS WITH INVASIVE SPECIES. SEE DETAIL SHEET 2
 - VERNAL POOL BMPs ARE REQUIRED WITHIN INDICATED AREAS AS DIRECTED BY THE ENVIRONMENTAL INSPECTOR. SEE DETAIL SHEET 3
 - RARE SPECIES AVOIDANCE AND MINIMIZATION MEASURES ARE REQUIRED WITHIN INDICATED AREAS. SEE DETAIL SHEET 4
 - FARMLAND PROTECTION MEASURES ARE REQUIRED WITHIN INDICATED AREAS. SEE DETAIL SHEET 5
- WORK AREA BOUNDARIES IN / NEAR WETLANDS**
- VEGETATION REMOVAL WILL OCCUR WITHIN THE VEGETATION REMOVAL LIMITS AS SHOWN, WITH TEMPORARY ACCESS ROUTES IN AND ACROSS WETLANDS AS NECESSARY UNLESS OTHERWISE NOTED. ADDITIONALLY, DANGER OR HAZARD TREE REMOVAL MAY BE REQUIRED OUTSIDE OF THE VEGETATION REMOVAL LIMITS
 - ALL PROJECT CONSTRUCTION ACTIVITIES IN WETLANDS (EXCLUDING VEGETATION REMOVAL) WILL BE CONTAINED WITHIN THE DEPICTED WORK PADS AND ACCESS ROADS.



Legend	
● Proposed Structure	○ Temporary Structure
⊗ Structure to be Removed	○ Temporary Guy Anchor
● Existing Structure	○ Parcel Boundary
— Existing Right-of-Way	○ Municipal Boundary
- - - Proposed 115-kV Line (Centerline)	○ REV 1 D&M Plan Revision Area
— Existing Transmission Line to be Removed	○ Map Sheet Matchline
— 10' Contour Line	○ Underground ADSS
— 2' Contour Line	
— Railroad	
○ Stonewall	○ Culvert (center)
⊗ Fence	○ Intermittent Watercourse
— Gate	○ Perennial Watercourse
— Tree Line	○ Ordinary High Water Mark
— Vegetation Removal Limits	○ Wetland Boundary
— Limit of Disturbance	○ Wetland Area
— Designated Recreation Trail	○ Connecticut Wetlands Only
○ Trail Points	○ Work Pad
	○ Existing Access Road
	○ Existing Alternate Access Road
	○ New Access Road
	○ New Alternate Access Road
	○ New Temporary Access Road
	○ Proposed Substation Expansion
	○ Temporary Wetland Impact
	○ Permanent Wetland Impact
	○ Rare Species
	○ Vernal Pool
	○ Decoy Vernal Pool
	○ Highly Erodible Soils
	○ 100 Year Flood Zone
	○ Eversource Owned Property
	○ Parcel Boundary
	○ Municipal Boundary
	○ REV 1 D&M Plan Revision Area
	○ Map Sheet Matchline
	○ Underground ADSS

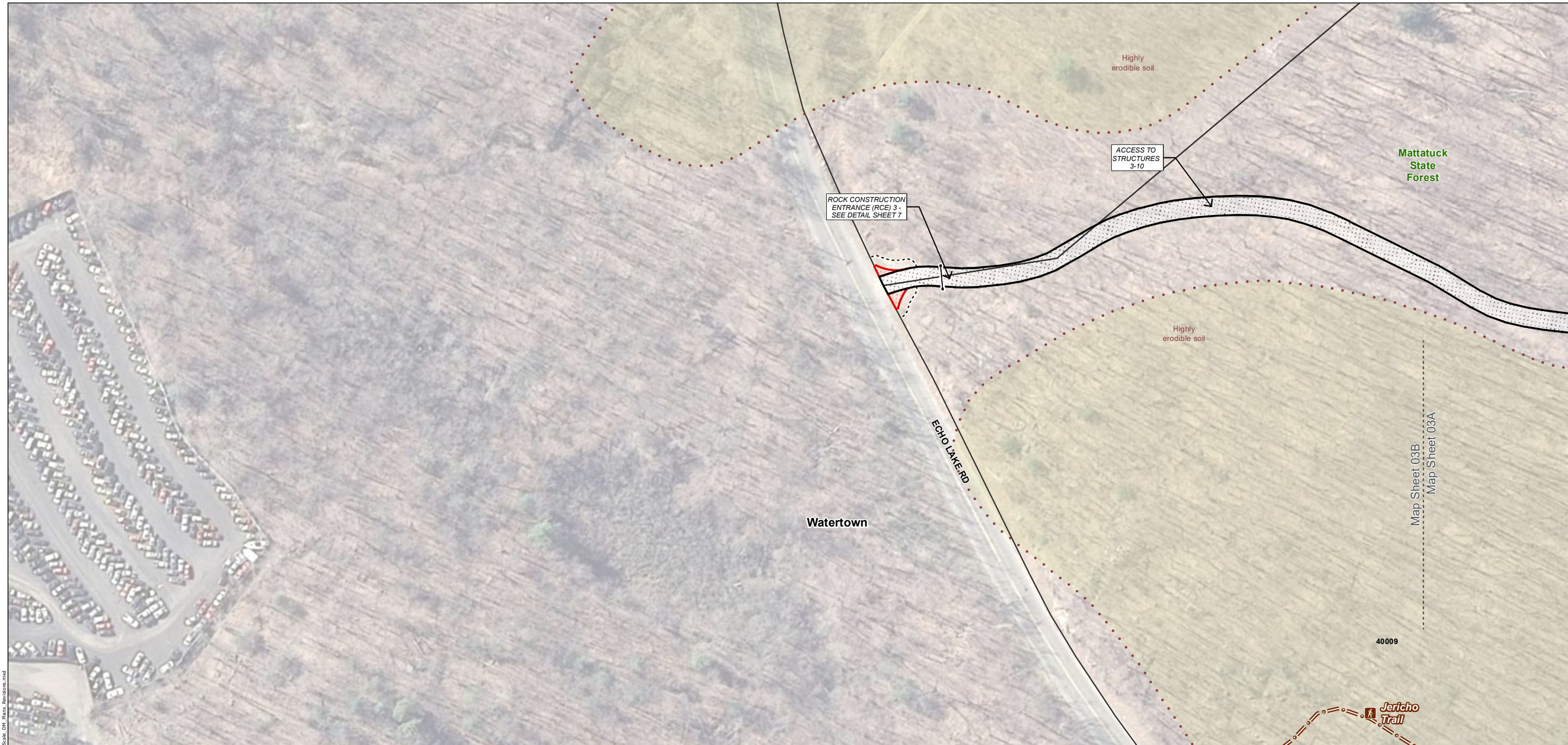
NO.	DATE	REVISIONS	BY	CHK	APP	APP

EVERSOURCE ENERGY

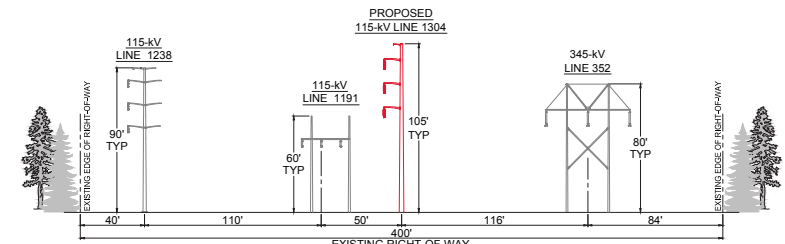
**Frost Bridge to Campville
115-kV Project
Development & Management Plan**

Watertown, CT	Map Sheet 03A of 35
January 2017	Map Author: N. Castro

C:\GIS\Projects\TigheBond\Development\Frost Bridge to Campville 115-kV Project\mxd\FrostBridgeCampville_105Scale_DM_Plan_Revision.mxd



XS-2 VIEW LOOKING WEST FROM FROST BRIDGE SUBSTATION TOWARDS CAMPVILLE SUBSTATION

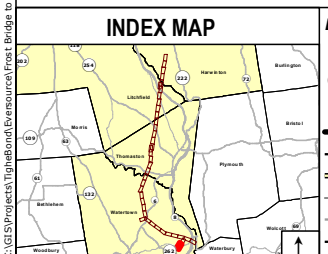


GENERAL NOTES

1. PERMIT PLANS ONLY NOT FOR CONSTRUCTION
2. THE LIMITS OF DISTURBANCE AS SHOWN DEFINE AREAS WHERE VEGETATION REMOVAL AND GRUBBING, GRADING, AND EXCAVATION MAY OCCUR. MINOR DEVIATIONS MAY BE REQUIRED IN SOME LOCATIONS.
3. ALL WORK WILL BE CONDUCTED IN ACCORDANCE WITH THE RELEVANT PORTIONS OF EVERSOURCE'S BMP MANUAL: CONNECTICUT CONSTRUCTION AND MAINTENANCE ENVIRONMENTAL REQUIREMENTS (BMP MANUAL), UNLESS MORE STRINGENT PROJECT-SPECIFIC MEASURES APPLY.
4. ALL WORK WILL BE CONDUCTED IN ACCORDANCE WITH THE REQUIREMENTS OF REGULATORY APPROVALS FROM THE U.S. ARMY CORPS OF ENGINEERS AND THE CONNECTICUT DEPARTMENT OF ENERGY AND ENVIRONMENTAL PROTECTION, AND WITH ALL PROJECT PROTOCOLS.
5. INSTALL ALL EROSION AND SEDIMENTATION CONTROL MEASURES AS SHOWN ON THE PLANS AND ELSEWHERE AS NECESSARY TO PREVENT SOIL EROSION AND SEDIMENT TRANSPORT, AND COMPLY WITH THE 2002 CONNECTICUT GUIDELINES FOR SOIL EROSION AND SEDIMENT CONTROL. ADDITIONAL CONTROLS, NOT DEPICTED ON THE PLANS, MAY BE NECESSARY FOR COMPLIANCE. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO ASSESS THE NEED FOR, AND INSTALL ADDITIONAL CONTROLS THAT ARE WARRANTED BY SITE CONDITIONS.
6. RETAINING WALLS ARE DEPICTED IN SOME LOCATIONS. RETAINING WALLS MAY BE UTILIZED BY THE CONTRACTOR IN ORDER TO PROVIDE AN ADEQUATELY SIZED WORK PAD WHERE STEEP TOPOGRAPHY EXISTS THEREBY AVOIDING NON-COMPLIANT SLOPES PER THE 2002 CONNECTICUT GUIDELINES. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO DETERMINE THE NEED FOR, LOCATION OF, MEANS AND METHODS OF CONSTRUCTION, AND SAFETY MEASURES UTILIZED FOR RETAINING WALLS. RETAINING WALLS MAY BE REQUIRED IN ADDITIONAL LOCATIONS NOT DEPICTED ON THE PLANS.
7. UPON COMPLETION OF CONSTRUCTION, IT IS THE CONTRACTOR'S RESPONSIBILITY TO REMOVE RETAINING WALLS, REGRADE, AND STABILIZE SLOPES IN COMPLIANCE WITH THE 2002 CONNECTICUT GUIDELINES.
8. ALL TEMPORARY ACCESS ROADS IN UPLANDS ARE DEEMED TO BE PERMANENT UNLESS OTHERWISE NOTED
9. EXISTING CULVERTS WILL BE PROTECTED AS DEEMED NECESSARY TO PREVENT DAMAGE DURING CONSTRUCTION
10. WETLAND INVASIVE SPECIES CONTROL BMPs APPLY TO WORK WITHIN ALL WETLANDS WITH INVASIVE SPECIES. SEE DETAIL SHEET 2
11. VERNAL POOL BMPs ARE REQUIRED WITHIN INDICATED AREAS AS DIRECTED BY THE ENVIRONMENTAL INSPECTOR. SEE DETAIL SHEET 3
12. RARE SPECIES AVOIDANCE AND MINIMIZATION MEASURES ARE REQUIRED WITHIN INDICATED AREAS. SEE DETAIL SHEET 4
13. FARMLAND PROTECTION MEASURES ARE REQUIRED WITHIN INDICATED AREAS. SEE DETAIL SHEET 5

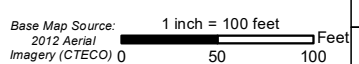
WORK AREA BOUNDARIES IN / NEAR WETLANDS

1. VEGETATION REMOVAL WILL OCCUR WITHIN THE VEGETATION REMOVAL LIMITS AS SHOWN, WITH TEMPORARY ACCESS ROUTES IN AND ACROSS WETLANDS AS NECESSARY UNLESS OTHERWISE NOTED. ADDITIONALLY, DANGER OR HAZARD TREE REMOVAL MAY BE REQUIRED OUTSIDE OF THE VEGETATION REMOVAL LIMITS.
2. ALL PROJECT CONSTRUCTION ACTIVITIES IN WETLANDS (EXCLUDING VEGETATION REMOVAL) WILL BE CONTAINED WITHIN THE DEPICTED WORK PADS AND ACCESS ROADS.



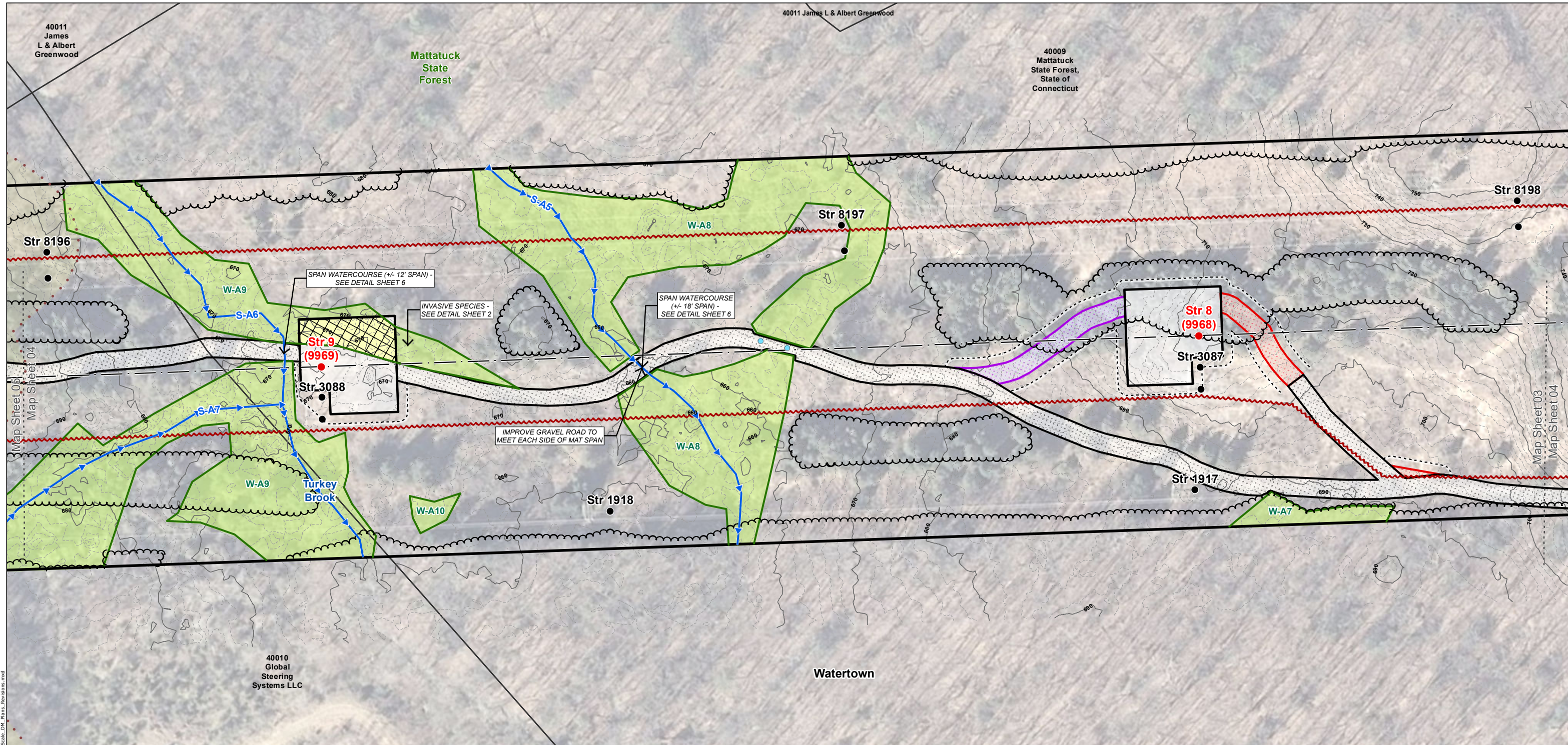
Legend

- Proposed Structure
- Structure to be Removed
- Existing Structure
- Existing Right-of-Way
- Proposed 115-kV Line (Centerline)
- Existing Transmission Line to be Removed
- 10' Contour Line
- 2' Contour Line
- Railroad
- Stonewall
- Fence
- Gate
- Tree Line
- Vegetation Removal Limits
- Limit of Disturbance
- Designated Recreation Trail
- Trail Points
- Work Pad
- Existing Access Road
- Existing Alternate Access Road
- New Access Road
- New Alternate Access Road
- New Temporary Access Road
- Proposed Substation Expansion
- Culvert (center)
- Intermittent Watercourse
- Perennial Watercourse
- Ordinary High Water Mark
- Wetland Boundary
- Wetland Area
- Connecticut Wetlands Only
- Temporary Wetland Impact
- Permanent Wetland Impact
- Rare Species
- Vernal Pool
- Decoy Vernal Pool
- Highly Erodible Soils
- 100 Year Flood Zone
- Eversource Owned Property
- Parcel Boundary
- Municipal Boundary
- REV 1 D&M Plan Revision Area
- Map Sheet Matchline
- Underground ADSS
- Temporary Structure
- Temporary Guy Anchor

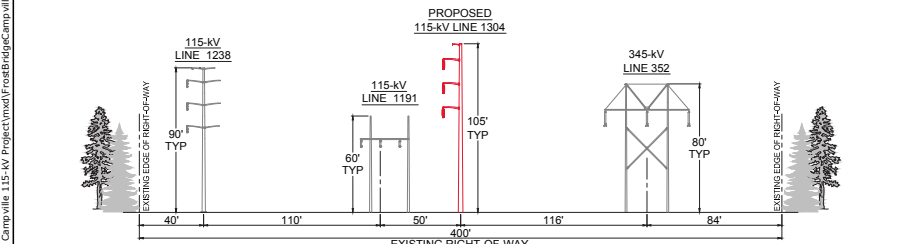


EVERSOURCE ENERGY					
Frost Bridge to Campville 115-kV Project Development & Management Plan					
Watertown, CT			Map Sheet 03B of 35		
January 2017			Map Author: N. Castro		
Tighe & Bond					
<small>ALL-POINTS TECHNOLOGY CORPORATION</small>					
NO.	DATE	REVISIONS	BY	CHK	APP

C:\GIS\Projects\TigheBond\Eversource\Frost Bridge to Campville 115-kV Project\mxd\FrostBridgeCampville_10Scale_DM_Plan_Revision.mxd

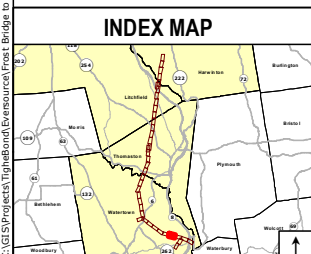


XS-2 VIEW LOOKING WEST FROM FROST BRIDGE SUBSTATION TOWARDS CAMPVILLE SUBSTATION



- GENERAL NOTES**
- PERMIT PLANS ONLY NOT FOR CONSTRUCTION
 - THE LIMITS OF DISTURBANCE AS SHOWN DEFINE AREAS WHERE VEGETATION REMOVAL AND GRUBBING, GRADING, AND EXCAVATION MAY OCCUR. MINOR DEVIATIONS MAY BE REQUIRED IN SOME LOCATIONS.
 - ALL WORK WILL BE CONDUCTED IN ACCORDANCE WITH THE RELEVANT PORTIONS OF EVERSOURCE'S BMP MANUAL; CONNECTICUT CONSTRUCTION AND MAINTENANCE ENVIRONMENTAL REQUIREMENTS (BMP MANUAL), UNLESS MORE STRINGENT PROJECT-SPECIFIC MEASURES APPLY.
 - ALL WORK WILL BE CONDUCTED IN ACCORDANCE WITH THE REQUIREMENTS OF REGULATORY APPROVALS FROM THE U.S. ARMY CORPS OF ENGINEERS AND THE CONNECTICUT DEPARTMENT OF ENERGY AND ENVIRONMENTAL PROTECTION, AND WITH ALL PROJECT PROTOCOLS.
 - INSTALL ALL EROSION AND SEDIMENTATION CONTROL MEASURES AS SHOWN ON THE PLANS AND ELSEWHERE AS NECESSARY TO PREVENT SOIL EROSION AND SEDIMENT TRANSPORT, AND COMPLY WITH THE 2002 CONNECTICUT GUIDELINES FOR SOIL EROSION AND SEDIMENT CONTROL. ADDITIONAL CONTROLS, NOT DEPICTED ON THE PLANS, MAY BE NECESSARY FOR COMPLIANCE. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO ASSESS THE NEED FOR, AND INSTALL ADDITIONAL CONTROLS THAT ARE WARRANTED BY SITE CONDITIONS.
 - RETAINING WALLS ARE DEPICTED IN SOME LOCATIONS. RETAINING WALLS MAY BE UTILIZED BY THE CONTRACTOR IN ORDER TO PROVIDE AN ADEQUATELY SIZED WORK PAD WHERE STEEP TOPOGRAPHY EXISTS THEREBY AVOIDING NON-COMPLIANT SLOPES PER THE 2002 CONNECTICUT GUIDELINES. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO DETERMINE THE NEED FOR, LOCATION OF, MEANS AND METHODS OF CONSTRUCTION, AND SAFETY MEASURES UTILIZED FOR RETAINING WALLS. RETAINING WALLS MAY BE REQUIRED IN ADDITIONAL LOCATIONS NOT DEPICTED ON THE PLANS.
 - UPON COMPLETION OF CONSTRUCTION, IT IS THE CONTRACTOR'S RESPONSIBILITY TO REMOVE RETAINING WALLS, REGRADE, AND STABILIZE SLOPES IN COMPLIANCE WITH THE 2002 CONNECTICUT GUIDELINES.
 - ALL TEMPORARY ACCESS ROADS IN UPLANDS ARE DEEMED TO BE PERMANENT UNLESS OTHERWISE NOTED
 - EXISTING CULVERTS WILL BE PROTECTED AS DEEMED NECESSARY TO PREVENT DAMAGE DURING CONSTRUCTION
 - WETLAND INVASIVE SPECIES CONTROL BMPs APPLY TO WORK WITHIN ALL WETLANDS WITH INVASIVE SPECIES. SEE DETAIL SHEET 2
 - VERNAL POOL BMPs ARE REQUIRED WITHIN INDICATED AREAS AS DIRECTED BY THE ENVIRONMENTAL INSPECTOR. SEE DETAIL SHEET 3
 - RARE SPECIES AVOIDANCE AND MINIMIZATION MEASURES ARE REQUIRED WITHIN INDICATED AREAS. SEE DETAIL SHEET 4
 - FARMLAND PROTECTION MEASURES ARE REQUIRED WITHIN INDICATED AREAS. SEE DETAIL SHEET 5
- WORK AREA BOUNDARIES IN / NEAR WETLANDS**
- VEGETATION REMOVAL WILL OCCUR WITHIN THE VEGETATION REMOVAL LIMITS AS SHOWN, WITH TEMPORARY ACCESS ROUTES IN AND ACROSS WETLANDS AS NECESSARY UNLESS OTHERWISE NOTED. ADDITIONALLY, DANGER OR HAZARD TREE REMOVAL MAY BE REQUIRED OUTSIDE OF THE VEGETATION REMOVAL LIMITS
 - ALL PROJECT CONSTRUCTION ACTIVITIES IN WETLANDS (EXCLUDING VEGETATION REMOVAL) WILL BE CONTAINED WITHIN THE DEPICTED WORK PADS AND ACCESS ROADS.

STR #	DESCRIPTION	HEIGHT (FT)	FINISH	FOUNDATION
8	VERTICAL TANGENT	103	WEATHERING STEEL	DIRECT EMBEDDED
9	VERTICAL TANGENT	107.5	WEATHERING STEEL	DIRECT EMBEDDED



Legend

- Proposed Structure
- Structure to be Removed
- Existing Structure
- Existing Right-of-Way
- Proposed 115-kV Line (Centerline)
- Existing Transmission Line to be Removed
- 10' Contour Line
- 2' Contour Line
- Railroad
- Stonewall
- Fence
- Gate
- Tree Line
- Vegetation Removal Limits
- Limit of Disturbance
- Designated Recreation Trail
- Trail Points
- Work Pad
- Existing Access Road
- Existing Alternate Access Road
- New Access Road
- New Alternate Access Road
- New Temporary Access Road
- Proposed Substation Expansion
- Culvert (center)
- Intermittent Watercourse
- Perennial Watercourse
- Ordinary High Water Mark
- Wetland Boundary
- Wetland Area
- Connecticut Wetlands Only
- Temporary Wetland Impact
- Permanent Wetland Impact
- Rare Species
- Vernal Pool
- Decoy Vernal Pool
- Highly Erodible Soils
- 100 Year Flood Zone
- Eversource Owned Property
- Parcel Boundary
- Municipal Boundary
- REV 1 D&M Plan Revision Area
- Map Sheet Matchline
- Underground ADSS
- Temporary Structure
- Temporary Guy Anchor

NO.	DATE	REVISIONS	BY	CHK	APP	APP

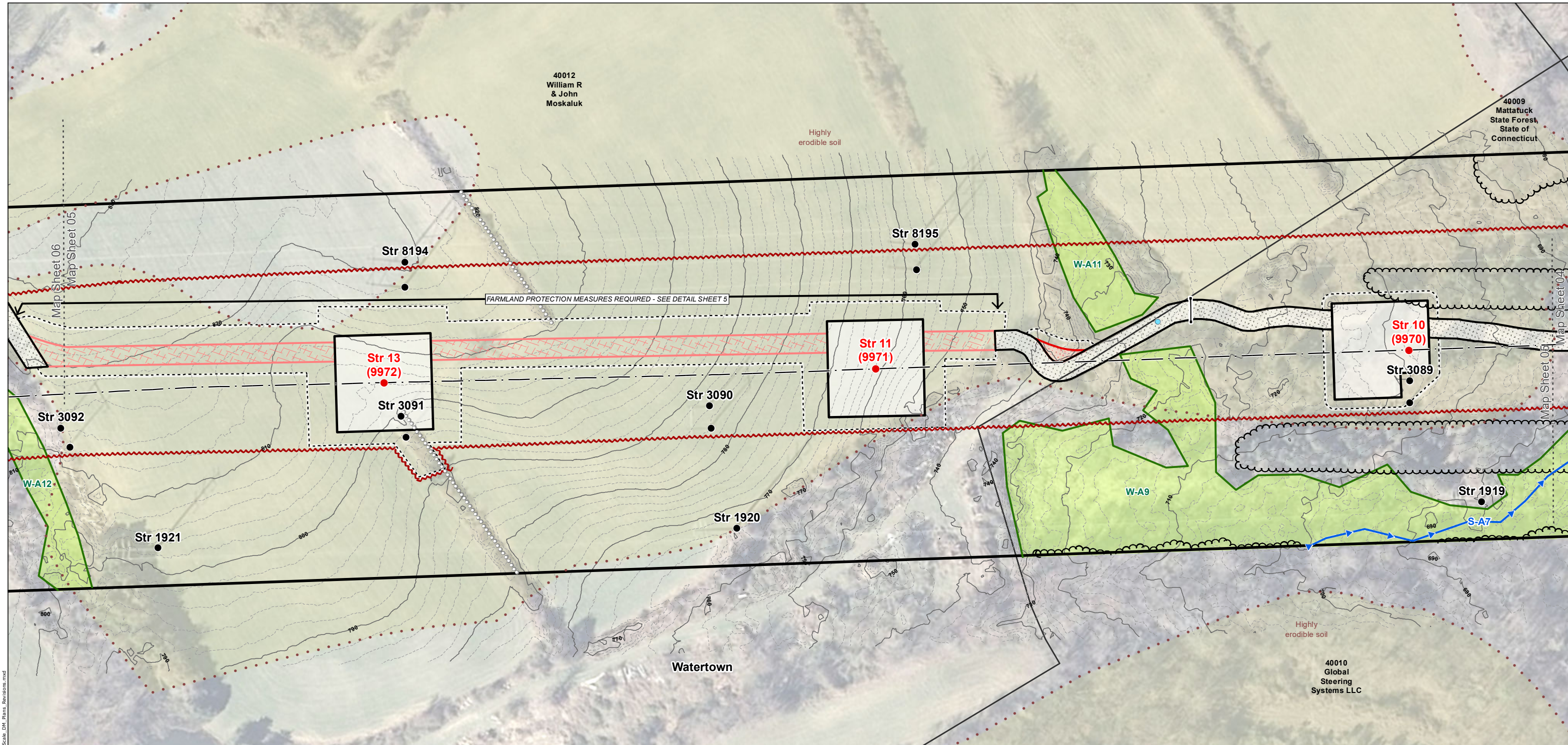
EVERSOURCE ENERGY

Frost Bridge to Campville 115-kV Project Development & Management Plan

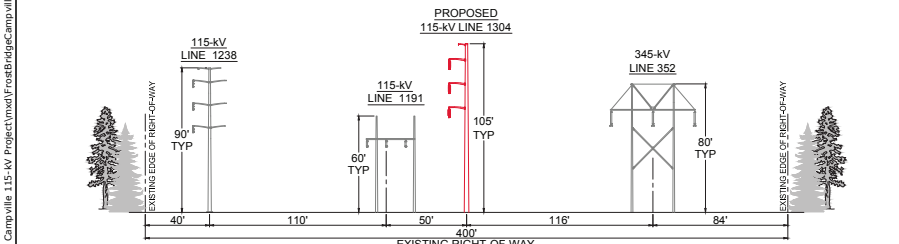
Watertown, CT | Map Sheet 04 of 35
 January 2017 | Map Author: N. Castro

Tighe & Bond | **ALL-POINTS TECHNOLOGY CORPORATION**

C:\GIS\Projects\TigheBond\Development\Frost Bridge to Campville 115-kV Project\Map\115-kV Project\Frost Bridge to Campville 115-kV Project\Map Sheet 04.mxd

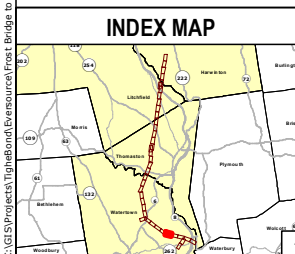


XS-2 VIEW LOOKING WEST FROM FROST BRIDGE SUBSTATION TOWARDS CAMPVILLE SUBSTATION

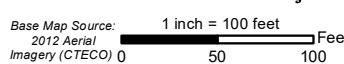


- GENERAL NOTES**
- PERMIT PLANS ONLY NOT FOR CONSTRUCTION
 - THE LIMITS OF DISTURBANCE AS SHOWN DEFINE AREAS WHERE VEGETATION REMOVAL AND GRUBBING, GRADING, AND EXCAVATION MAY OCCUR. MINOR DEVIATIONS MAY BE REQUIRED IN SOME LOCATIONS.
 - ALL WORK WILL BE CONDUCTED IN ACCORDANCE WITH THE RELEVANT PORTIONS OF EVERSOURCE'S BMP MANUAL: CONNECTICUT CONSTRUCTION AND MAINTENANCE ENVIRONMENTAL REQUIREMENTS (BMP MANUAL), UNLESS MORE STRINGENT PROJECT-SPECIFIC MEASURES APPLY.
 - ALL WORK WILL BE CONDUCTED IN ACCORDANCE WITH THE REQUIREMENTS OF REGULATORY APPROVALS FROM THE U.S. ARMY CORPS OF ENGINEERS AND THE CONNECTICUT DEPARTMENT OF ENERGY AND ENVIRONMENTAL PROTECTION, AND WITH ALL PROJECT PROTOCOLS.
 - INSTALL ALL EROSION AND SEDIMENTATION CONTROL MEASURES AS SHOWN ON THE PLANS AND ELSEWHERE AS NECESSARY TO PREVENT SOIL EROSION AND SEDIMENT TRANSPORT, AND COMPLY WITH THE 2002 CONNECTICUT GUIDELINES FOR SOIL EROSION AND SEDIMENT CONTROL. ADDITIONAL CONTROLS, NOT DEPICTED ON THE PLANS, MAY BE NECESSARY FOR COMPLIANCE. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO ASSESS THE NEED FOR, AND INSTALL ADDITIONAL CONTROLS THAT ARE WARRANTED BY SITE CONDITIONS.
 - RETAINING WALLS ARE DEPICTED IN SOME LOCATIONS. RETAINING WALLS MAY BE UTILIZED BY THE CONTRACTOR IN ORDER TO PROVIDE AN ADEQUATELY SIZED WORK PAD WHERE STEEP TOPOGRAPHY EXISTS THEREBY AVOIDING NON-COMPLIANT SLOPES PER THE 2002 CONNECTICUT GUIDELINES. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO DETERMINE THE NEED FOR, LOCATION OF, MEANS AND METHODS OF CONSTRUCTION, AND SAFETY MEASURES UTILIZED FOR RETAINING WALLS. RETAINING WALLS MAY BE REQUIRED IN ADDITIONAL LOCATIONS NOT DEPICTED ON THE PLANS.
 - UPON COMPLETION OF CONSTRUCTION, IT IS THE CONTRACTOR'S RESPONSIBILITY TO REMOVE RETAINING WALLS, REGRADE, AND STABILIZE SLOPES IN COMPLIANCE WITH THE 2002 CONNECTICUT GUIDELINES.
 - ALL TEMPORARY ACCESS ROADS IN UPLANDS ARE DEEMED TO BE PERMANENT UNLESS OTHERWISE NOTED
 - EXISTING CULVERTS WILL BE PROTECTED AS DEEMED NECESSARY TO PREVENT DAMAGE DURING CONSTRUCTION
 - WETLAND INVASIVE SPECIES CONTROL BMPS APPLY TO WORK WITHIN ALL WETLANDS WITH INVASIVE SPECIES. SEE DETAIL SHEET 2
 - VERNAL POOL BMPS ARE REQUIRED WITHIN INDICATED AREAS AS DIRECTED BY THE ENVIRONMENTAL INSPECTOR. SEE DETAIL SHEET 3
 - RARE SPECIES AVOIDANCE AND MINIMIZATION MEASURES ARE REQUIRED WITHIN INDICATED AREAS. SEE DETAIL SHEET 4
 - FARMLAND PROTECTION MEASURES ARE REQUIRED WITHIN INDICATED AREAS. SEE DETAIL SHEET 5
- WORK AREA BOUNDARIES IN / NEAR WETLANDS**
- VEGETATION REMOVAL WILL OCCUR WITHIN THE VEGETATION REMOVAL LIMITS AS SHOWN, WITH TEMPORARY ACCESS ROUTES IN AND ACROSS WETLANDS AS NECESSARY UNLESS OTHERWISE NOTED. ADDITIONALLY, DANGER OR HAZARD TREE REMOVAL MAY BE REQUIRED OUTSIDE OF THE VEGETATION REMOVAL LIMITS.
 - ALL PROJECT CONSTRUCTION ACTIVITIES IN WETLANDS (EXCLUDING VEGETATION REMOVAL) WILL BE CONTAINED WITHIN THE DEPICTED WORK PADS AND ACCESS ROADS.

STR #	DESCRIPTION	HEIGHT (FT)	FINISH	FOUNDATION
10	VERTICAL TANGENT	93.5	WEATHERING STEEL	DIRECT EMBEDDED
11	VERTICAL TANGENT	107.5	WEATHERING STEEL	DIRECT EMBEDDED
13	VERTICAL TANGENT	107.5	WEATHERING STEEL	DIRECT EMBEDDED



- Legend**
- Proposed Structure
 - Structure to be Removed
 - Existing Structure
 - Existing Right-of-Way
 - Proposed 115-kV Line (Centerline)
 - Existing Transmission Line to be Removed
 - 10' Contour Line
 - 2' Contour Line
 - Railroad
 - Stonewall
 - Fence
 - Gate
 - Tree Line
 - Vegetation Removal Limits
 - Limit of Disturbance
 - Designated Recreation Trail
 - Trail Points
 - Work Pad
 - Existing Access Road
 - Existing Alternate Access Road
 - New Access Road
 - New Alternate Access Road
 - New Temporary Access Road
 - Proposed Substation Expansion
 - Culvert (center)
 - Intermittent Watercourse
 - Perennial Watercourse
 - Ordinary High Water Mark
 - Wetland Boundary
 - Wetland Area
 - Connecticut Wetlands Only
 - Temporary Wetland Impact
 - Permanent Wetland Impact
 - Rare Species
 - Vernal Pool
 - Decoy Vernal Pool
 - Highly Erodible Soils
 - 100 Year Flood Zone
 - Eversource Owned Property
 - Parcel Boundary
 - Municipal Boundary
 - REV 1 D&M Plan Revision Area
 - Map Sheet Matchline
 - Underground ADSS
 - Temporary Structure
 - Temporary Guy Anchor



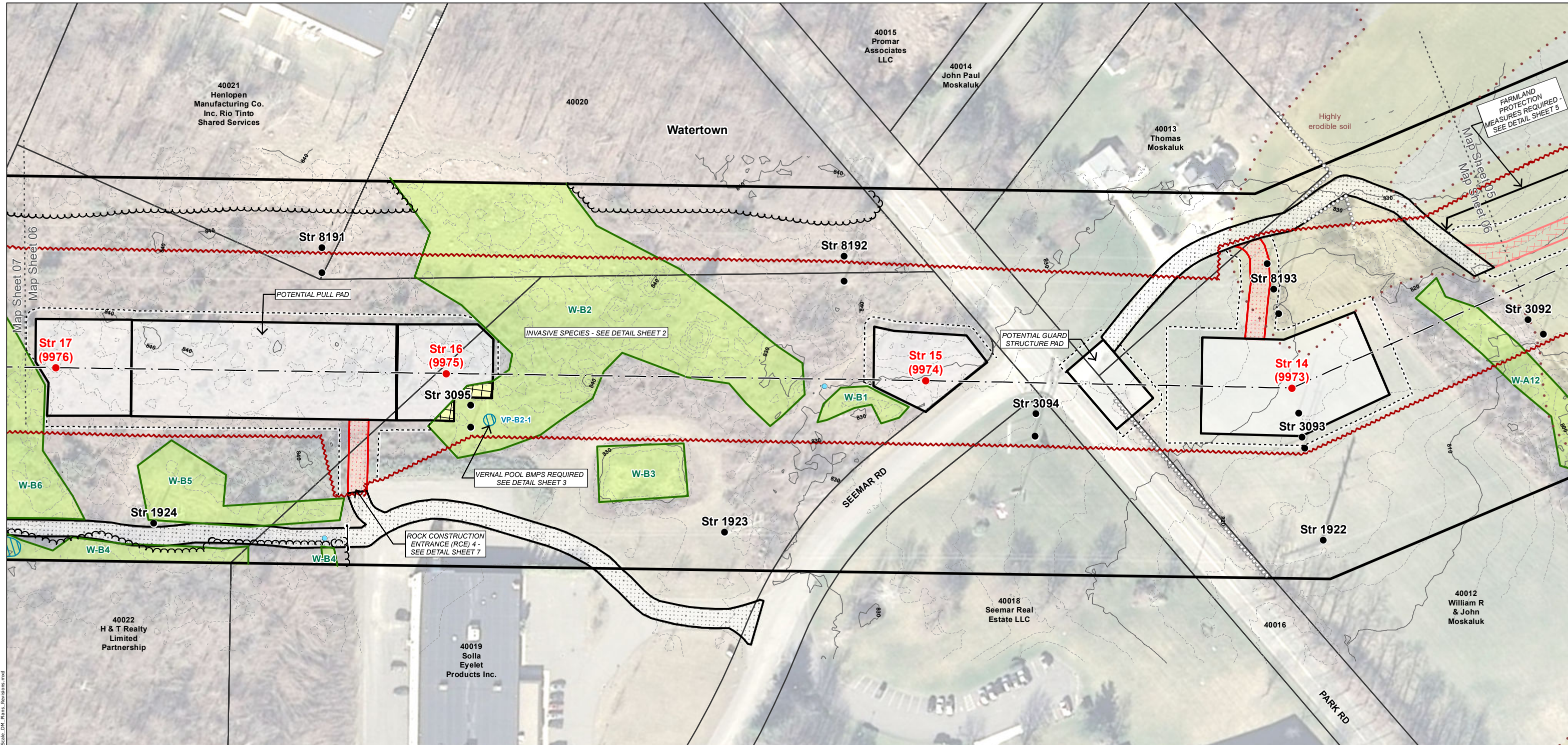
NO.	DATE	REVISIONS	BY	CHK	APP	APP

EVERSOURCE ENERGY

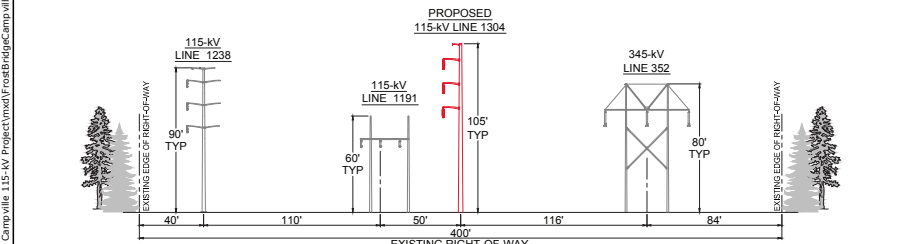
**Frost Bridge to Campville
115-kV Project
Development & Management Plan**

Watertown, CT Map Sheet 05 of 35
January 2017 Map Author: N. Castro

Tighe & Bond ALL-POINTS TECHNOLOGY CORPORATION

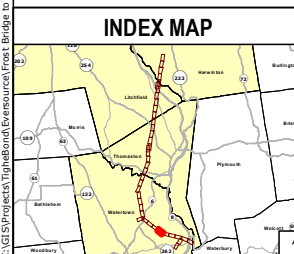


XS-2 VIEW LOOKING WEST FROM FROST BRIDGE SUBSTATION TOWARDS CAMPVILLE SUBSTATION



- GENERAL NOTES**
- PERMIT PLANS ONLY NOT FOR CONSTRUCTION
 - THE LIMITS OF DISTURBANCE AS SHOWN DEFINE AREAS WHERE VEGETATION REMOVAL AND GRUBBING, GRADING, AND EXCAVATION MAY OCCUR. MINOR DEVIATIONS MAY BE REQUIRED IN SOME LOCATIONS.
 - ALL WORK WILL BE CONDUCTED IN ACCORDANCE WITH THE RELEVANT PORTIONS OF EVERSOURCE'S BMP MANUAL; CONNECTICUT CONSTRUCTION AND MAINTENANCE ENVIRONMENTAL REQUIREMENTS (BMP MANUAL), UNLESS MORE STRINGENT PROJECT-SPECIFIC MEASURES APPLY.
 - ALL WORK WILL BE CONDUCTED IN ACCORDANCE WITH THE REQUIREMENTS OF REGULATORY APPROVALS FROM THE U.S. ARMY CORPS OF ENGINEERS AND THE CONNECTICUT DEPARTMENT OF ENERGY AND ENVIRONMENTAL PROTECTION, AND WITH ALL PROJECT PROTOCOLS.
 - INSTALL ALL EROSION AND SEDIMENTATION CONTROL MEASURES AS SHOWN ON THE PLANS AND ELSEWHERE AS NECESSARY TO PREVENT SOIL EROSION AND SEDIMENT TRANSPORT, AND COMPLY WITH THE 2002 CONNECTICUT GUIDELINES FOR SOIL EROSION AND SEDIMENT CONTROL. ADDITIONAL CONTROLS, NOT DEPICTED ON THE PLANS, MAY BE NECESSARY FOR COMPLIANCE. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO ASSESS THE NEED FOR, AND INSTALL ADDITIONAL CONTROLS THAT ARE WARRANTED BY SITE CONDITIONS.
 - RETAINING WALLS ARE DEPICTED IN SOME LOCATIONS. RETAINING WALLS MAY BE UTILIZED BY THE CONTRACTOR IN ORDER TO PROVIDE AN ADEQUATELY SIZED WORK PAD WHERE STEEP TOPOGRAPHY EXISTS THEREBY AVOIDING NON-COMPLIANT SLOPES PER THE 2002 CONNECTICUT GUIDELINES. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO DETERMINE THE NEED FOR, LOCATION OF, MEANS AND METHODS OF CONSTRUCTION, AND SAFETY MEASURES UTILIZED FOR RETAINING WALLS. RETAINING WALLS MAY BE REQUIRED IN ADDITIONAL LOCATIONS NOT DEPICTED ON THE PLANS.
 - UPON COMPLETION OF CONSTRUCTION, IT IS THE CONTRACTOR'S RESPONSIBILITY TO REMOVE RETAINING WALLS, REGRADE, AND STABILIZE SLOPES IN COMPLIANCE WITH THE 2002 CONNECTICUT GUIDELINES.
 - ALL TEMPORARY ACCESS ROADS IN UPLANDS ARE DEEMED TO BE PERMANENT UNLESS OTHERWISE NOTED
 - EXISTING CULVERTS WILL BE PROTECTED AS DEEMED NECESSARY TO PREVENT DAMAGE DURING CONSTRUCTION
 - WETLAND INVASIVE SPECIES CONTROL BMPS APPLY TO WORK WITHIN ALL WETLANDS WITH INVASIVE SPECIES. SEE DETAIL SHEET 2
 - VERNAL POOL BMPs ARE REQUIRED WITHIN INDICATED AREAS AS DIRECTED BY THE ENVIRONMENTAL INSPECTOR. SEE DETAIL SHEET 3
 - RARE SPECIES AVOIDANCE AND MINIMIZATION MEASURES ARE REQUIRED WITHIN INDICATED AREAS. SEE DETAIL SHEET 4
 - FARMLAND PROTECTION MEASURES ARE REQUIRED WITHIN INDICATED AREAS. SEE DETAIL SHEET 5
- WORK AREA BOUNDARIES IN / NEAR WETLANDS**
- VEGETATION REMOVAL WILL OCCUR WITHIN THE VEGETATION REMOVAL LIMITS AS SHOWN, WITH TEMPORARY ACCESS ROUTES IN AND ACROSS WETLANDS AS NECESSARY UNLESS OTHERWISE NOTED. ADDITIONALLY, DANGER OR HAZARD TREE REMOVAL MAY BE REQUIRED OUTSIDE OF THE VEGETATION REMOVAL LIMITS.
 - ALL PROJECT CONSTRUCTION ACTIVITIES IN WETLANDS (EXCLUDING VEGETATION REMOVAL) WILL BE CONTAINED WITHIN THE DEPICTED WORK PADS AND ACCESS ROADS.

STR #	DESCRIPTION	HEIGHT (FT)	FINISH	FOUNDATION
14	VERTICAL DEADEND	100	WEATHERING STEEL	DRILLED SHAFT
15	VERTICAL TANGENT	103	WEATHERING STEEL	DIRECT EMBEDDED
16	VERTICAL TANGENT	84	WEATHERING STEEL	DIRECT EMBEDDED
17	VERTICAL TANGENT	93.5	WEATHERING STEEL	DIRECT EMBEDDED



- Legend**
- Proposed Structure
 - Structure to be Removed
 - Existing Structure
 - Existing Right-of-Way
 - Proposed 115-kV Line (Centerline)
 - Existing Transmission Line to be Removed
 - 10' Contour Line
 - 2' Contour Line
 - Railroad
 - Stonewall
 - Fence
 - Gate
 - Tree Line
 - Vegetation Removal Limits
 - Limit of Disturbance
 - Designated Recreation Trail
 - Trail Points
 - Work Pad
 - Existing Access Road
 - Existing Alternate Access Road
 - New Access Road
 - New Alternate Access Road
 - New Temporary Access Road
 - Proposed Substation Expansion
 - Culvert (center)
 - Intermittent Watercourse
 - Perennial Watercourse
 - Ordinary High Water Mark
 - Wetland Boundary
 - Wetland Area
 - Connecticut Wetlands Only
 - Temporary Wetland Impact
 - Permanent Wetland Impact
 - Rare Species
 - Vernal Pool
 - Decoy Vernal Pool
 - Highly Erodible Soils
 - 100 Year Flood Zone
 - Eversource Owned Property
 - Parcel Boundary
 - Municipal Boundary
 - REV 1 D&M Plan Revision Area
 - Map Sheet Matchline
 - Underground ADSS
 - Temporary Structure
 - Temporary Guy Anchor

Base Map Source: 2012 Aerial Imagery (CTECO) 0

1 inch = 100 feet

0 50 100 Feet

NO.	DATE	REVISIONS	BY	CHK	APP	APP

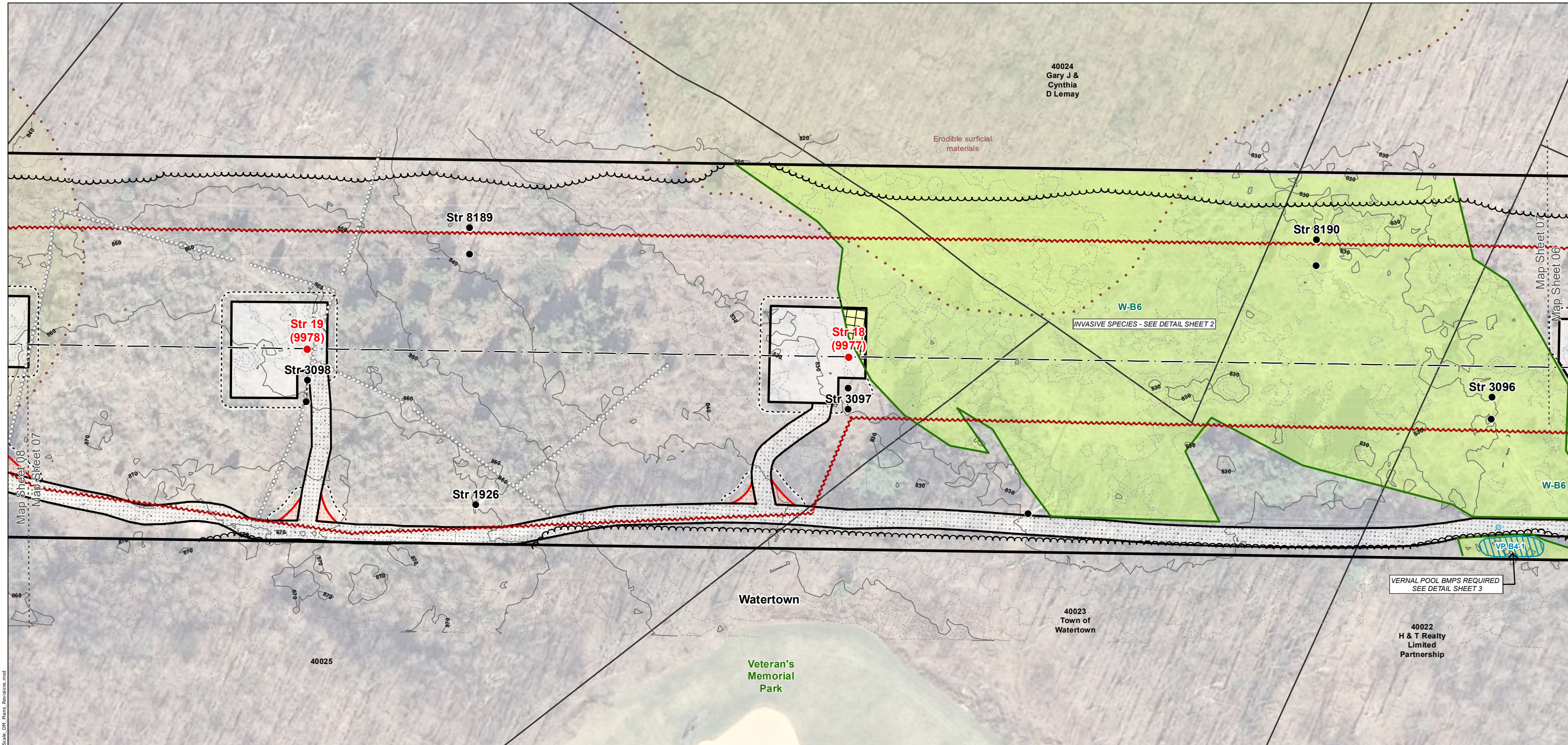
EVERSOURCE ENERGY

Frost Bridge to Campville 115-kV Project Development & Management Plan

Watertown, CT Map Sheet 06 of 35

January 2017 Map Author: N. Castro

Tighe & Bond ALL-POINTS TECHNOLOGY CORPORATION

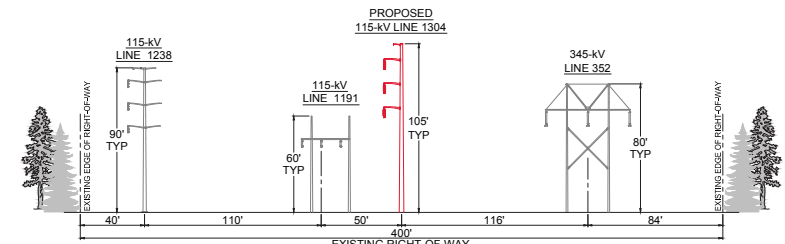


40024
Gary J &
Cynthia
D Lemay

VERNAL POOL BMPs REQUIRED
SEE DETAIL SHEET 3

40022
H & T Realty
Limited
Partnership

XS-2 VIEW LOOKING WEST FROM FROST BRIDGE SUBSTATION TOWARDS CAMPVILLE SUBSTATION



GENERAL NOTES

1. PERMIT PLANS ONLY NOT FOR CONSTRUCTION
2. THE LIMITS OF DISTURBANCE AS SHOWN DEFINE AREAS WHERE VEGETATION REMOVAL AND GRUBBING, GRADING, AND EXCAVATION MAY OCCUR. MINOR DEVIATIONS MAY BE REQUIRED IN SOME LOCATIONS.
3. ALL WORK WILL BE CONDUCTED IN ACCORDANCE WITH THE RELEVANT PORTIONS OF EVERSOURCE'S BMP MANUAL: CONNECTICUT CONSTRUCTION AND MAINTENANCE ENVIRONMENTAL REQUIREMENTS (BMP MANUAL), UNLESS MORE STRINGENT PROJECT-SPECIFIC MEASURES APPLY.
4. ALL WORK WILL BE CONDUCTED IN ACCORDANCE WITH THE REQUIREMENTS OF REGULATORY APPROVALS FROM THE U.S. ARMY CORPS OF ENGINEERS AND THE CONNECTICUT DEPARTMENT OF ENERGY AND ENVIRONMENTAL PROTECTION, AND WITH ALL PROJECT PROTOCOLS.
5. INSTALL ALL EROSION AND SEDIMENTATION CONTROL MEASURES AS SHOWN ON THE PLANS AND ELSEWHERE AS NECESSARY TO PREVENT SOIL EROSION AND SEDIMENT TRANSPORT, AND COMPLY WITH THE 2002 CONNECTICUT GUIDELINES FOR SOIL EROSION AND SEDIMENT CONTROL. ADDITIONAL CONTROLS, NOT DEPICTED ON THE PLANS, MAY BE NECESSARY FOR COMPLIANCE. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO ASSESS THE NEED FOR, AND INSTALL ADDITIONAL CONTROLS THAT ARE WARRANTED BY SITE CONDITIONS.
6. RETAINING WALLS ARE DEPICTED IN SOME LOCATIONS. RETAINING WALLS MAY BE UTILIZED BY THE CONTRACTOR IN ORDER TO PROVIDE AN ADEQUATELY SIZED WORK PAD WHERE STEEP TOPOGRAPHY EXISTS THEREBY AVOIDING NON-COMPLIANT SLOPES PER THE 2002 CONNECTICUT GUIDELINES. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO DETERMINE THE NEED FOR, LOCATION OF, MEANS AND METHODS OF CONSTRUCTION, AND SAFETY MEASURES UTILIZED FOR RETAINING WALLS. RETAINING WALLS MAY BE REQUIRED IN ADDITIONAL LOCATIONS NOT DEPICTED ON THE PLANS.
7. UPON COMPLETION OF CONSTRUCTION, IT IS THE CONTRACTOR'S RESPONSIBILITY TO REMOVE RETAINING WALLS, REGRADE, AND STABILIZE SLOPES IN COMPLIANCE WITH THE 2002 CONNECTICUT GUIDELINES.
8. ALL TEMPORARY ACCESS ROADS IN UPLANDS ARE DEEMED TO BE PERMANENT UNLESS OTHERWISE NOTED
9. EXISTING CULVERTS WILL BE PROTECTED AS DEEMED NECESSARY TO PREVENT DAMAGE DURING CONSTRUCTION
10. WETLAND INVASIVE SPECIES CONTROL BMPs APPLY TO WORK WITHIN ALL WETLANDS WITH INVASIVE SPECIES. SEE DETAIL SHEET 2
11. VERNAL POOL BMPs ARE REQUIRED WITHIN INDICATED AREAS AS DIRECTED BY THE ENVIRONMENTAL INSPECTOR. SEE DETAIL SHEET 3
12. RARE SPECIES AVOIDANCE AND MINIMIZATION MEASURES ARE REQUIRED WITHIN INDICATED AREAS. SEE DETAIL SHEET 4
13. FARMLAND PROTECTION MEASURES ARE REQUIRED WITHIN INDICATED AREAS. SEE DETAIL SHEET 5

WORK AREA BOUNDARIES IN / NEAR WETLANDS

1. VEGETATION REMOVAL WILL OCCUR WITHIN THE VEGETATION REMOVAL LIMITS AS SHOWN, WITH TEMPORARY ACCESS ROUTES IN AND ACROSS WETLANDS AS NECESSARY UNLESS OTHERWISE NOTED. ADDITIONALLY, DANGER OR HAZARD TREE REMOVAL MAY BE REQUIRED OUTSIDE OF THE VEGETATION REMOVAL LIMITS.
2. ALL PROJECT CONSTRUCTION ACTIVITIES IN WETLANDS (EXCLUDING VEGETATION REMOVAL) WILL BE CONTAINED WITHIN THE DEPICTED WORK PADS AND ACCESS ROADS.

STR #	DESCRIPTION	HEIGHT (FT)	FINISH	FOUNDATION
18	VERTICAL TANGENT	120	WEATHERING STEEL	DRILLED SHAFT
19	VERTICAL TANGENT	86.5	WEATHERING STEEL	DIRECT EMBEDDED

INDEX MAP



Legend

- Proposed Structure
- Structure to be Removed
- Existing Structure
- Existing Right-of-Way
- Proposed 115-kV Line (Centerline)
- Existing Transmission Line to be Removed
- 10' Contour Line
- 2' Contour Line
- Railroad
- Stonewall
- Fence
- Gate
- Tree Line
- Vegetation Removal Limits
- Limit of Disturbance
- Designated Recreation Trail
- Trail Points
- Work Pad
- Existing Access Road
- Existing Alternate Access Road
- New Access Road
- New Alternate Access Road
- New Temporary Access Road
- Proposed Substation Expansion
- Culvert (center)
- Intermittent Watercourse
- Perennial Watercourse
- Ordinary High Water Mark
- Wetland Boundary
- Wetland Area
- Connecticut Wetlands Only
- Temporary Wetland Impact
- Permanent Wetland Impact
- Rare Species
- Vernal Pool
- Decoy Vernal Pool
- Highly Erodible Soils
- 100 Year Flood Zone
- Eversource Owned Property
- Parcel Boundary
- Municipal Boundary
- REV 1 D&M Plan Revision Area
- Map Sheet Matchline
- Underground ADSS
- Temporary Structure
- Temporary Guy Anchor

Base Map Source:
2012 Aerial
Imagery (CTECO) 0

1 inch = 100 feet

50 100 Feet

NO.	DATE	REVISIONS	BY	CHK	APP	APP

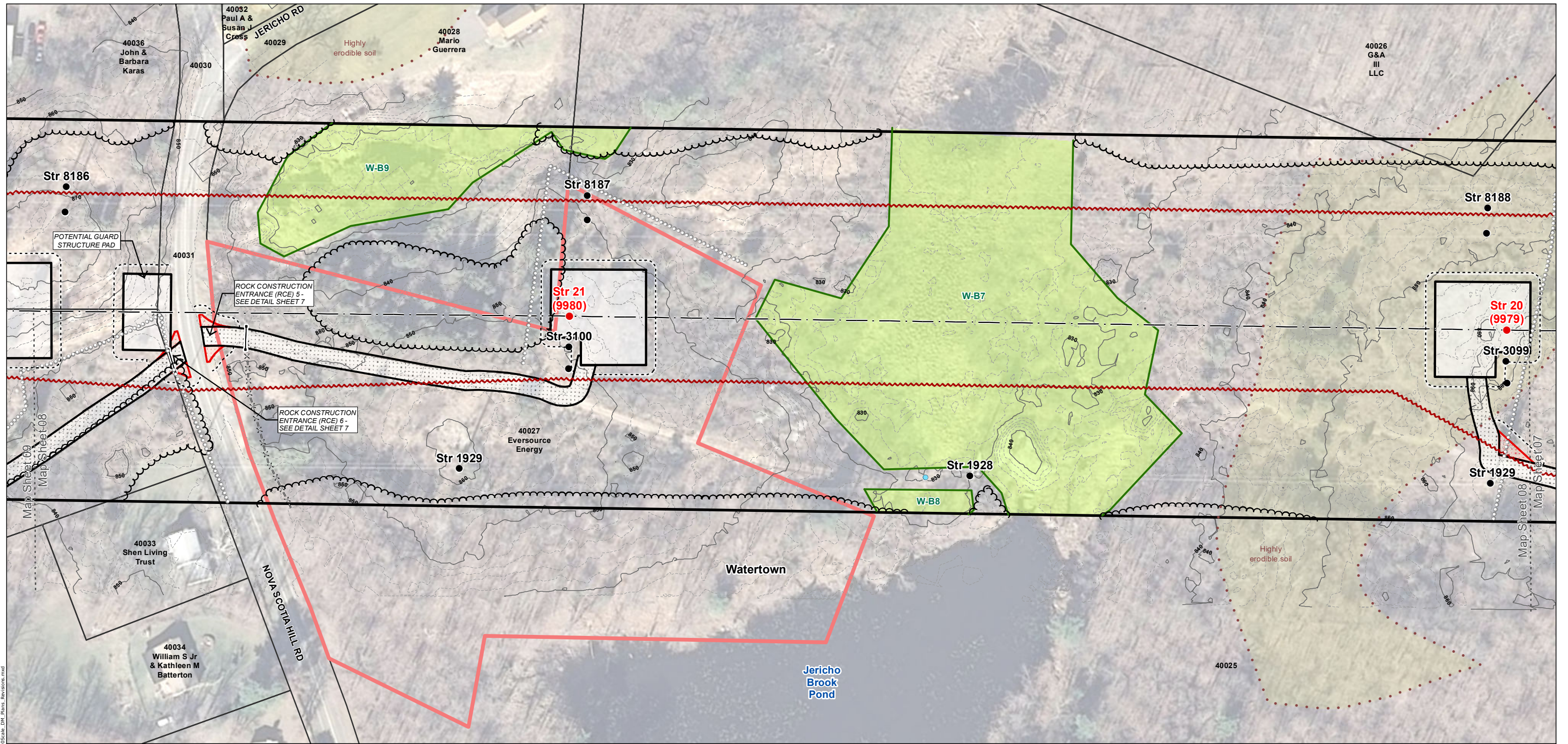
EVERSOURCE ENERGY

**Frost Bridge to Campville
115-kV Project
Development & Management Plan**

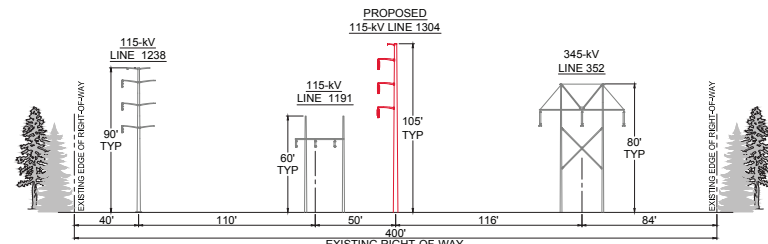
Watertown, CT Map Sheet 07 of 35

January 2017 Map Author: N. Castro

Tighe & Bond **ALL-POINTS TECHNOLOGY CORPORATION**



XS-2 VIEW LOOKING WEST FROM FROST BRIDGE SUBSTATION TOWARDS CAMPVILLE SUBSTATION



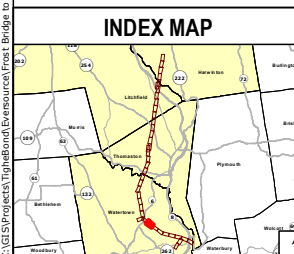
GENERAL NOTES

- PERMIT PLANS ONLY NOT FOR CONSTRUCTION
- THE LIMITS OF DISTURBANCE AS SHOWN DEFINE AREAS WHERE VEGETATION REMOVAL AND GRUBBING, GRADING, AND EXCAVATION MAY OCCUR. MINOR DEVIATIONS MAY BE REQUIRED IN SOME LOCATIONS.
- ALL WORK WILL BE CONDUCTED IN ACCORDANCE WITH THE RELEVANT PORTIONS OF EVERSOURCE'S BMP MANUAL: CONNECTICUT CONSTRUCTION AND MAINTENANCE ENVIRONMENTAL REQUIREMENTS (BMP MANUAL), UNLESS MORE STRINGENT PROJECT-SPECIFIC MEASURES APPLY.
- ALL WORK WILL BE CONDUCTED IN ACCORDANCE WITH THE REQUIREMENTS OF REGULATORY APPROVALS FROM THE U.S. ARMY CORPS OF ENGINEERS AND THE CONNECTICUT DEPARTMENT OF ENERGY AND ENVIRONMENTAL PROTECTION, AND WITH ALL PROJECT PROTOCOLS.
- INSTALL ALL EROSION AND SEDIMENTATION CONTROL MEASURES AS SHOWN ON THE PLANS AND ELSEWHERE AS NECESSARY TO PREVENT SOIL EROSION AND SEDIMENT TRANSPORT, AND COMPLY WITH THE 2002 CONNECTICUT GUIDELINES FOR SOIL EROSION AND SEDIMENT CONTROL. ADDITIONAL CONTROLS, NOT DEPICTED ON THE PLANS, MAY BE NECESSARY FOR COMPLIANCE. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO ASSESS THE NEED FOR, AND INSTALL ADDITIONAL CONTROLS THAT ARE WARRANTED BY SITE CONDITIONS.
- RETAINING WALLS ARE DEPICTED IN SOME LOCATIONS. RETAINING WALLS MAY BE UTILIZED BY THE CONTRACTOR IN ORDER TO PROVIDE AN ADEQUATELY SIZED WORK PAD WHERE STEEP TOPOGRAPHY EXISTS THEREBY AVOIDING NON-COMPLIANT SLOPES PER THE 2002 CONNECTICUT GUIDELINES. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO DETERMINE THE NEED FOR, LOCATION OF, MEANS AND METHODS OF CONSTRUCTION, AND SAFETY MEASURES UTILIZED FOR RETAINING WALLS. RETAINING WALLS MAY BE REQUIRED IN ADDITIONAL LOCATIONS NOT DEPICTED ON THE PLANS.
- UPON COMPLETION OF CONSTRUCTION, IT IS THE CONTRACTOR'S RESPONSIBILITY TO REMOVE RETAINING WALLS, REGRADE, AND STABILIZE SLOPES IN COMPLIANCE WITH THE 2002 CONNECTICUT GUIDELINES.
- ALL TEMPORARY ACCESS ROADS IN UPLANDS ARE DEEMED TO BE PERMANENT UNLESS OTHERWISE NOTED
- EXISTING CULVERTS WILL BE PROTECTED AS DEEMED NECESSARY TO PREVENT DAMAGE DURING CONSTRUCTION
- WETLAND INVASIVE SPECIES CONTROL BMPs APPLY TO WORK WITHIN ALL WETLANDS WITH INVASIVE SPECIES. SEE DETAIL SHEET 2
- VERNAL POOL BMPs ARE REQUIRED WITHIN INDICATED AREAS AS DIRECTED BY THE ENVIRONMENTAL INSPECTOR. SEE DETAIL SHEET 3
- RARE SPECIES AVOIDANCE AND MINIMIZATION MEASURES ARE REQUIRED WITHIN INDICATED AREAS. SEE DETAIL SHEET 4
- FARMLAND PROTECTION MEASURES ARE REQUIRED WITHIN INDICATED AREAS. SEE DETAIL SHEET 5

WORK AREA BOUNDARIES IN / NEAR WETLANDS

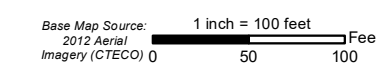
- VEGETATION REMOVAL WILL OCCUR WITHIN THE VEGETATION REMOVAL LIMITS AS SHOWN, WITH TEMPORARY ACCESS ROUTES IN AND ACROSS WETLANDS AS NECESSARY UNLESS OTHERWISE NOTED. ADDITIONALLY, DANGER OR HAZARD TREE REMOVAL MAY BE REQUIRED OUTSIDE OF THE VEGETATION REMOVAL LIMITS
- ALL PROJECT CONSTRUCTION ACTIVITIES IN WETLANDS (EXCLUDING VEGETATION REMOVAL) WILL BE CONTAINED WITHIN THE DEPICTED WORK PADS AND ACCESS ROADS.

STR #	DESCRIPTION	HEIGHT (FT)	FINISH	FOUNDATION
20	VERTICAL TANGENT	105.5	WEATHERING STEEL	DIRECT EMBEDDED
21	VERTICAL TANGENT	125	WEATHERING STEEL	DRILLED SHAFT



Legend

- Proposed Structure
- Structure to be Removed
- Existing Structure
- Existing Right-of-Way
- Proposed 115-kV Line (Centerline)
- Existing Transmission Line to be Removed
- 10' Contour Line
- 2' Contour Line
- Railroad
- Stonewall
- Fence
- Gate
- Tree Line
- Vegetation Removal Limits
- Limit of Disturbance
- Designated Recreation Trail
- Trail Points
- Work Pad
- Existing Access Road
- Existing Alternate Access Road
- New Access Road
- New Alternate Access Road
- New Temporary Access Road
- Proposed Substation Expansion
- Culvert (center)
- Intermittent Watercourse
- Perennial Watercourse
- Ordinary High Water Mark
- Wetland Boundary
- Wetland Area
- Connecticut Wetlands Only
- Temporary Wetland Impact
- Permanent Wetland Impact
- Rare Species
- Vernal Pool
- Decoy Vernal Pool
- Highly Erodible Soils
- 100 Year Flood Zone
- Eversource Owned Property
- Parcel Boundary
- Municipal Boundary
- REV 1 D&M Plan Revision Area
- Map Sheet Matchline
- Underground ADSS
- Temporary Structure
- Temporary Guy Anchor



NO.	DATE	REVISIONS	BY	CHK	APP	APP

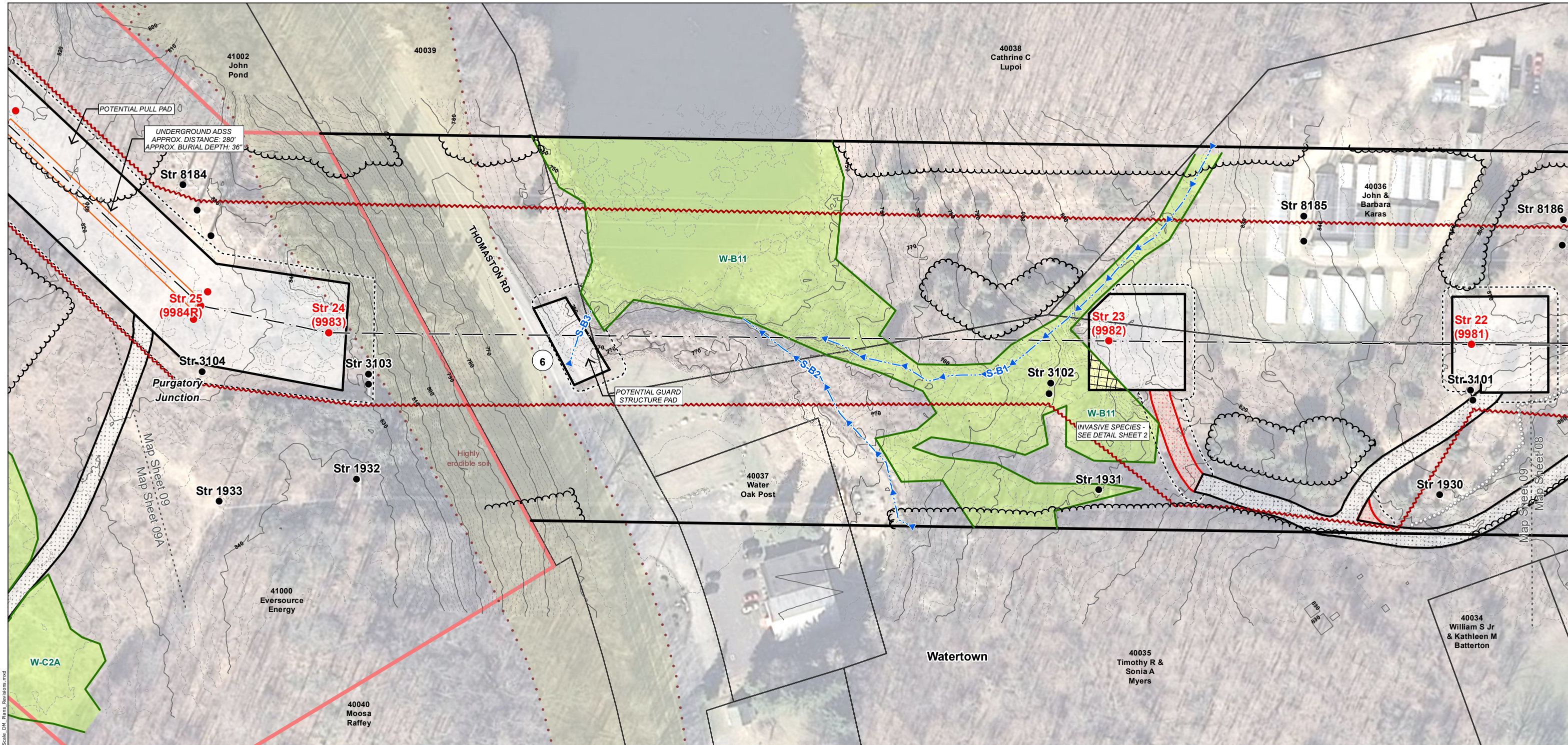
EVERSOURCE ENERGY

Frost Bridge to Campville 115-kV Project Development & Management Plan

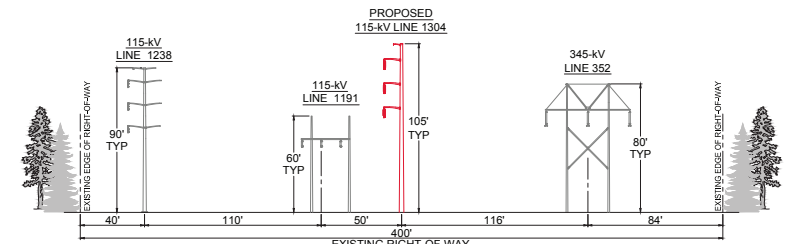
Watertown, CT | Map Sheet 08 of 35

January 2017 | Map Author: N. Castro

Tighe & Bond | ALL-POINTS TECHNOLOGY CORPORATION



XS-2 VIEW LOOKING WEST FROM FROST BRIDGE SUBSTATION TOWARDS CAMPVILLE SUBSTATION



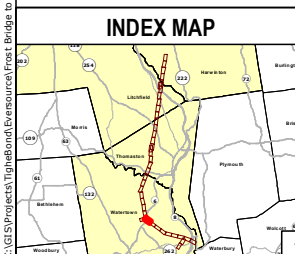
GENERAL NOTES

1. PERMIT PLANS ONLY NOT FOR CONSTRUCTION
2. THE LIMITS OF DISTURBANCE AS SHOWN DEFINE AREAS WHERE VEGETATION REMOVAL AND GRUBBING, GRADING, AND EXCAVATION MAY OCCUR. MINOR DEVIATIONS MAY BE REQUIRED IN SOME LOCATIONS.
3. ALL WORK WILL BE CONDUCTED IN ACCORDANCE WITH THE RELEVANT PORTIONS OF EVERSOURCE'S BMP MANUAL, CONNECTICUT CONSTRUCTION AND MAINTENANCE ENVIRONMENTAL REQUIREMENTS (BMP MANUAL), UNLESS MORE STRINGENT PROJECT-SPECIFIC MEASURES APPLY.
4. ALL WORK WILL BE CONDUCTED IN ACCORDANCE WITH THE REQUIREMENTS OF REGULATORY APPROVALS FROM THE U.S. ARMY CORPS OF ENGINEERS AND THE CONNECTICUT DEPARTMENT OF ENERGY AND ENVIRONMENTAL PROTECTION, AND WITH ALL PROJECT PROTOCOLS.
5. INSTALL ALL EROSION AND SEDIMENTATION CONTROL MEASURES AS SHOWN ON THE PLANS AND ELSEWHERE AS NECESSARY TO PREVENT SOIL EROSION AND SEDIMENT TRANSPORT, AND COMPLY WITH THE 2002 CONNECTICUT GUIDELINES FOR SOIL EROSION AND SEDIMENT CONTROL. ADDITIONAL CONTROLS, NOT DEPICTED ON THE PLANS, MAY BE NECESSARY FOR COMPLIANCE. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO ASSESS THE NEED FOR, AND INSTALL ADDITIONAL CONTROLS THAT ARE WARRANTED BY SITE CONDITIONS.
6. RETAINING WALLS ARE DEPICTED IN SOME LOCATIONS. RETAINING WALLS MAY BE UTILIZED BY THE CONTRACTOR IN ORDER TO PROVIDE AN ADEQUATELY SIZED WORK PAD WHERE STEEP TOPOGRAPHY EXISTS THEREBY AVOIDING NON-COMPLIANT SLOPES PER THE 2002 CONNECTICUT GUIDELINES. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO DETERMINE THE NEED FOR, LOCATION OF, MEANS AND METHODS OF CONSTRUCTION, AND SAFETY MEASURES UTILIZED FOR RETAINING WALLS. RETAINING WALLS MAY BE REQUIRED IN ADDITIONAL LOCATIONS NOT DEPICTED ON THE PLANS.
7. UPON COMPLETION OF CONSTRUCTION, IT IS THE CONTRACTOR'S RESPONSIBILITY TO REMOVE RETAINING WALLS, REGRADE, AND STABILIZE SLOPES IN COMPLIANCE WITH THE 2002 CONNECTICUT GUIDELINES.
8. ALL TEMPORARY ACCESS ROADS IN UPLANDS ARE DEEMED TO BE PERMANENT UNLESS OTHERWISE NOTED
9. EXISTING CULVERTS WILL BE PROTECTED AS DEEMED NECESSARY TO PREVENT DAMAGE DURING CONSTRUCTION
10. WETLAND INVASIVE SPECIES CONTROL BMPs APPLY TO WORK WITHIN ALL WETLANDS WITH INVASIVE SPECIES. SEE DETAIL SHEET 2
11. VERNAL POOL BMPs ARE REQUIRED WITHIN INDICATED AREAS AS DIRECTED BY THE ENVIRONMENTAL INSPECTOR. SEE DETAIL SHEET 3
12. RARE SPECIES AVOIDANCE AND MINIMIZATION MEASURES ARE REQUIRED WITHIN INDICATED AREAS. SEE DETAIL SHEET 4
13. FARMLAND PROTECTION MEASURES ARE REQUIRED WITHIN INDICATED AREAS. SEE DETAIL SHEET 5

WORK AREA BOUNDARIES IN / NEAR WETLANDS

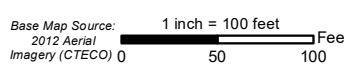
1. VEGETATION REMOVAL WILL OCCUR WITHIN THE VEGETATION REMOVAL LIMITS AS SHOWN, WITH TEMPORARY ACCESS ROUTES IN AND ACROSS WETLANDS AS NECESSARY UNLESS OTHERWISE NOTED. ADDITIONALLY, DANGER OR HAZARD TREE REMOVAL MAY BE REQUIRED OUTSIDE OF THE VEGETATION REMOVAL LIMITS.
2. ALL PROJECT CONSTRUCTION ACTIVITIES IN WETLANDS (EXCLUDING VEGETATION REMOVAL) WILL BE CONTAINED WITHIN THE DEPICTED WORK PADS AND ACCESS ROADS.

STR #	DESCRIPTION	HEIGHT (FT)	FINISH	FOUNDATION
22	VERTICAL TANGENT	96	WEATHERING STEEL	DIRECT EMBEDDED
23	VERTICAL TANGENT	120	WEATHERING STEEL	DRILLED SHAFT
24	VERTICAL STRAIN-BODY OF POLE	75	WEATHERING STEEL	DRILLED SHAFT
25	3 POLE ANGLE DEADEND	45	WEATHERING STEEL	DRILLED SHAFT



Legend

- Proposed Structure
- Structure to be Removed
- Existing Structure
- Existing Right-of-Way
- Proposed 115-kV Line (Centerline)
- Existing Transmission Line to be Removed
- 10' Contour Line
- 2' Contour Line
- Railroad
- Stonewall
- Fence
- Gate
- Tree Line
- Vegetation Removal Limits
- Limit of Disturbance
- Designated Recreation Trail
- Trail Points
- Work Pad
- Existing Access Road
- Existing Alternate Access Road
- New Access Road
- New Alternate Access Road
- New Temporary Access Road
- Proposed Substation Expansion
- Culvert (center)
- Intermittent Watercourse
- Perennial Watercourse
- Ordinary High Water Mark
- Wetland Boundary
- Wetland Area
- Connecticut Wetlands Only
- Temporary Wetland Impact
- Permanent Wetland Impact
- Rare Species
- Vernal Pool
- Decoy Vernal Pool
- Highly Erodible Soils
- 100 Year Flood Zone
- Eversource Owned Property
- Parcel Boundary
- Municipal Boundary
- REV 1 D&M Plan Revision Area
- Map Sheet Matchline
- Underground ADSS
- Temporary Structure
- Temporary Guy Anchor



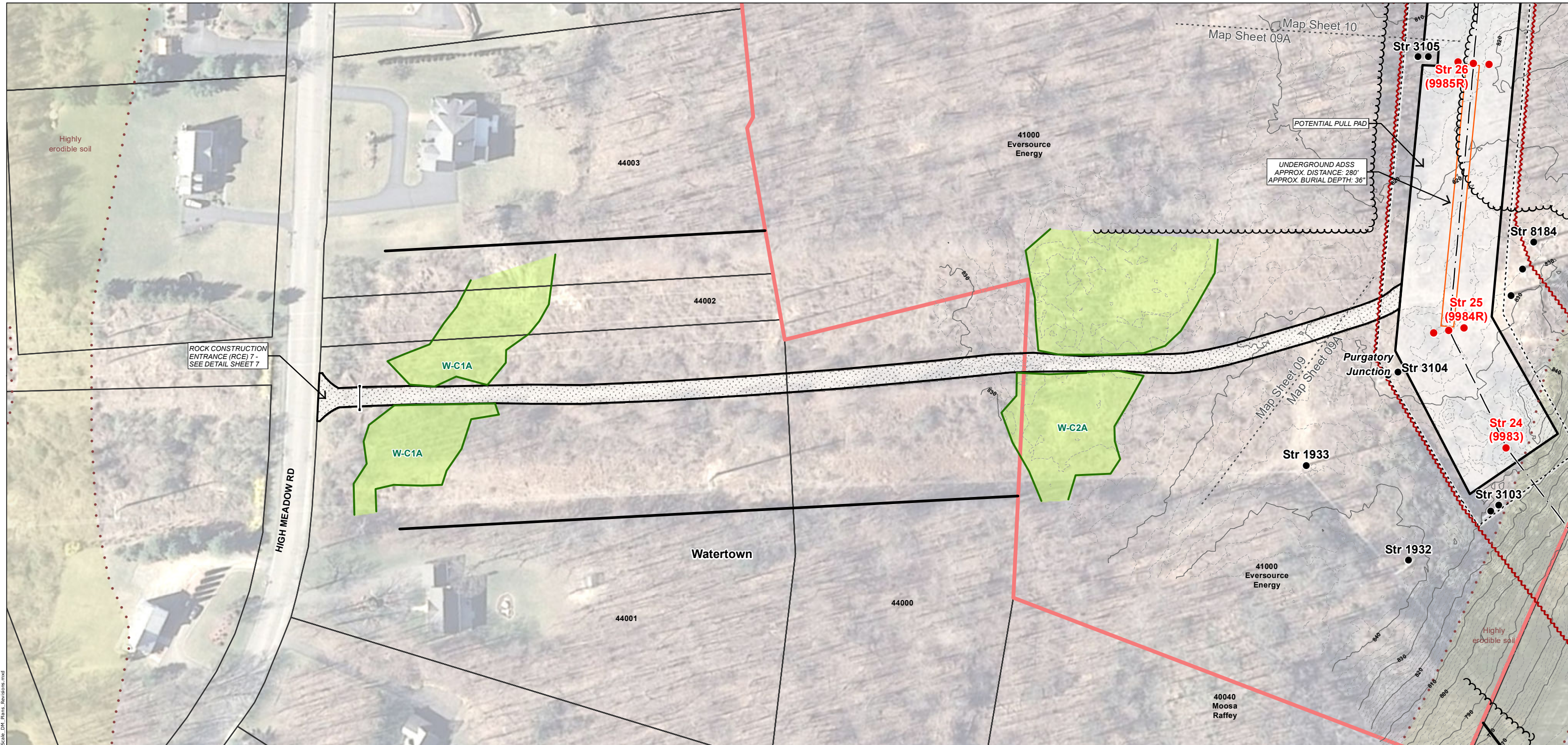
NO.	DATE	REVISIONS	BY	CHK	APP	APP

EVERSOURCE ENERGY

**Frost Bridge to Campville
115-kV Project
Development & Management Plan**

Watertown, CT Map Sheet 09 of 35
January 2017 Map Author: N. Castro

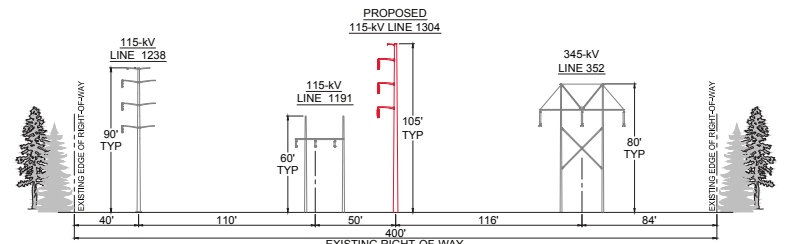
Tighe & Bond ALL-POINTS TECHNOLOGY CORPORATION



ROCK CONSTRUCTION ENTRANCE (RCE) 7 - SEE DETAIL SHEET 7

UNDERGROUND ADSS APPROX. DISTANCE: 280' APPROX. BURIAL DEPTH: 36'

XS-2 VIEW LOOKING WEST FROM FROST BRIDGE SUBSTATION TOWARDS CAMPVILLE SUBSTATION



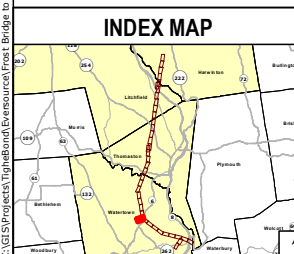
GENERAL NOTES

- PERMIT PLANS ONLY NOT FOR CONSTRUCTION
- THE LIMITS OF DISTURBANCE AS SHOWN DEFINE AREAS WHERE VEGETATION REMOVAL AND GRUBBING, GRADING, AND EXCAVATION MAY OCCUR. MINOR DEVIATIONS MAY BE REQUIRED IN SOME LOCATIONS.
- ALL WORK WILL BE CONDUCTED IN ACCORDANCE WITH THE RELEVANT PORTIONS OF EVERSOURCE'S BMP MANUAL; CONNECTICUT CONSTRUCTION AND MAINTENANCE ENVIRONMENTAL REQUIREMENTS (BMP MANUAL), UNLESS MORE STRINGENT PROJECT-SPECIFIC MEASURES APPLY.
- ALL WORK WILL BE CONDUCTED IN ACCORDANCE WITH THE REQUIREMENTS OF REGULATORY APPROVALS FROM THE U.S. ARMY CORPS OF ENGINEERS AND THE CONNECTICUT DEPARTMENT OF ENERGY AND ENVIRONMENTAL PROTECTION, AND WITH ALL PROJECT PROTOCOLS.
- INSTALL ALL EROSION AND SEDIMENTATION CONTROL MEASURES AS SHOWN ON THE PLANS AND ELSEWHERE AS NECESSARY TO PREVENT SOIL EROSION AND SEDIMENT TRANSPORT, AND COMPLY WITH THE 2002 CONNECTICUT GUIDELINES FOR SOIL EROSION AND SEDIMENT CONTROL. ADDITIONAL CONTROLS, NOT DEPICTED ON THE PLANS, MAY BE NECESSARY FOR COMPLIANCE. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO ASSESS THE NEED FOR, AND INSTALL ADDITIONAL CONTROLS THAT ARE WARRANTED BY SITE CONDITIONS.
- RETAINING WALLS ARE DEPICTED IN SOME LOCATIONS. RETAINING WALLS MAY BE UTILIZED BY THE CONTRACTOR IN ORDER TO PROVIDE AN ADEQUATELY SIZED WORK PAD WHERE STEEP TOPOGRAPHY EXISTS THEREBY AVOIDING NON-COMPLIANT SLOPES PER THE 2002 CONNECTICUT GUIDELINES. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO DETERMINE THE NEED FOR, LOCATION OF, MEANS AND METHODS OF CONSTRUCTION, AND SAFETY MEASURES UTILIZED FOR RETAINING WALLS. RETAINING WALLS MAY BE REQUIRED IN ADDITIONAL LOCATIONS NOT DEPICTED ON THE PLANS.
- UPON COMPLETION OF CONSTRUCTION, IT IS THE CONTRACTOR'S RESPONSIBILITY TO REMOVE RETAINING WALLS, REGRADE, AND STABILIZE SLOPES IN COMPLIANCE WITH THE 2002 CONNECTICUT GUIDELINES.
- ALL TEMPORARY ACCESS ROADS IN UPLANDS ARE DEEMED TO BE PERMANENT UNLESS OTHERWISE NOTED
- EXISTING CULVERTS WILL BE PROTECTED AS DEEMED NECESSARY TO PREVENT DAMAGE DURING CONSTRUCTION
- WETLAND INVASIVE SPECIES CONTROL BMPs APPLY TO WORK WITHIN ALL WETLANDS WITH INVASIVE SPECIES. SEE DETAIL SHEET 2
- VERNAL POOL BMPs ARE REQUIRED WITHIN INDICATED AREAS AS DIRECTED BY THE ENVIRONMENTAL INSPECTOR. SEE DETAIL SHEET 3
- RARE SPECIES AVOIDANCE AND MINIMIZATION MEASURES ARE REQUIRED WITHIN INDICATED AREAS. SEE DETAIL SHEET 4
- FARMLAND PROTECTION MEASURES ARE REQUIRED WITHIN INDICATED AREAS. SEE DETAIL SHEET 5

WORK AREA BOUNDARIES IN / NEAR WETLANDS

- VEGETATION REMOVAL WILL OCCUR WITHIN THE VEGETATION REMOVAL LIMITS AS SHOWN, WITH TEMPORARY ACCESS ROUTES IN AND ACROSS WETLANDS AS NECESSARY UNLESS OTHERWISE NOTED. ADDITIONALLY, DANGER OR HAZARD TREE REMOVAL MAY BE REQUIRED OUTSIDE OF THE VEGETATION REMOVAL LIMITS.
- ALL PROJECT CONSTRUCTION ACTIVITIES IN WETLANDS (EXCLUDING VEGETATION REMOVAL) WILL BE CONTAINED WITHIN THE DEPICTED WORK PADS AND ACCESS ROADS.

STR #	DESCRIPTION	HEIGHT (FT)	FINISH	FOUNDATION
24	VERTICAL STRAIN-BODY OF POLE	75	WEATHERING STEEL	DRILLED SHAFT
25	3 POLE ANGLE DEADEND	45	WEATHERING STEEL	DRILLED SHAFT
26	3 POLE ANGLE DEADEND	70	WEATHERING STEEL	DRILLED SHAFT



Legend

- Proposed Structure
- Structure to be Removed
- Existing Structure
- Existing Right-of-Way
- Proposed 115-kV Line (Centerline)
- Existing Transmission Line to be Removed
- 10' Contour Line
- 2' Contour Line
- Railroad
- Stonewall
- Fence
- Gate
- Tree Line
- Vegetation Removal Limits
- Limit of Disturbance
- Designated Recreation Trail
- Trail Points
- Work Pad
- Existing Access Road
- Existing Alternate Access Road
- New Access Road
- New Alternate Access Road
- New Temporary Access Road
- Proposed Substation Expansion
- Culvert (center)
- Intermittent Watercourse
- Perennial Watercourse
- Ordinary High Water Mark
- Wetland Boundary
- Wetland Area
- Connecticut Wetlands Only
- Temporary Wetland Impact
- Permanent Wetland Impact
- Rare Species
- Vernal Pool
- Decoy Vernal Pool
- Highly Erodible Soils
- 100 Year Flood Zone
- Eversource Owned Property
- Parcel Boundary
- Municipal Boundary
- REV 1 D&M Plan Revision Area
- Map Sheet Matchline
- Underground ADSS
- Temporary Structure
- Temporary Guy Anchor

Base Map Source: 2012 Aerial Imagery (CTECO) 0

1 inch = 100 feet

50 100 Feet

NO.	DATE	REVISIONS	BY	CHK	APP	APP

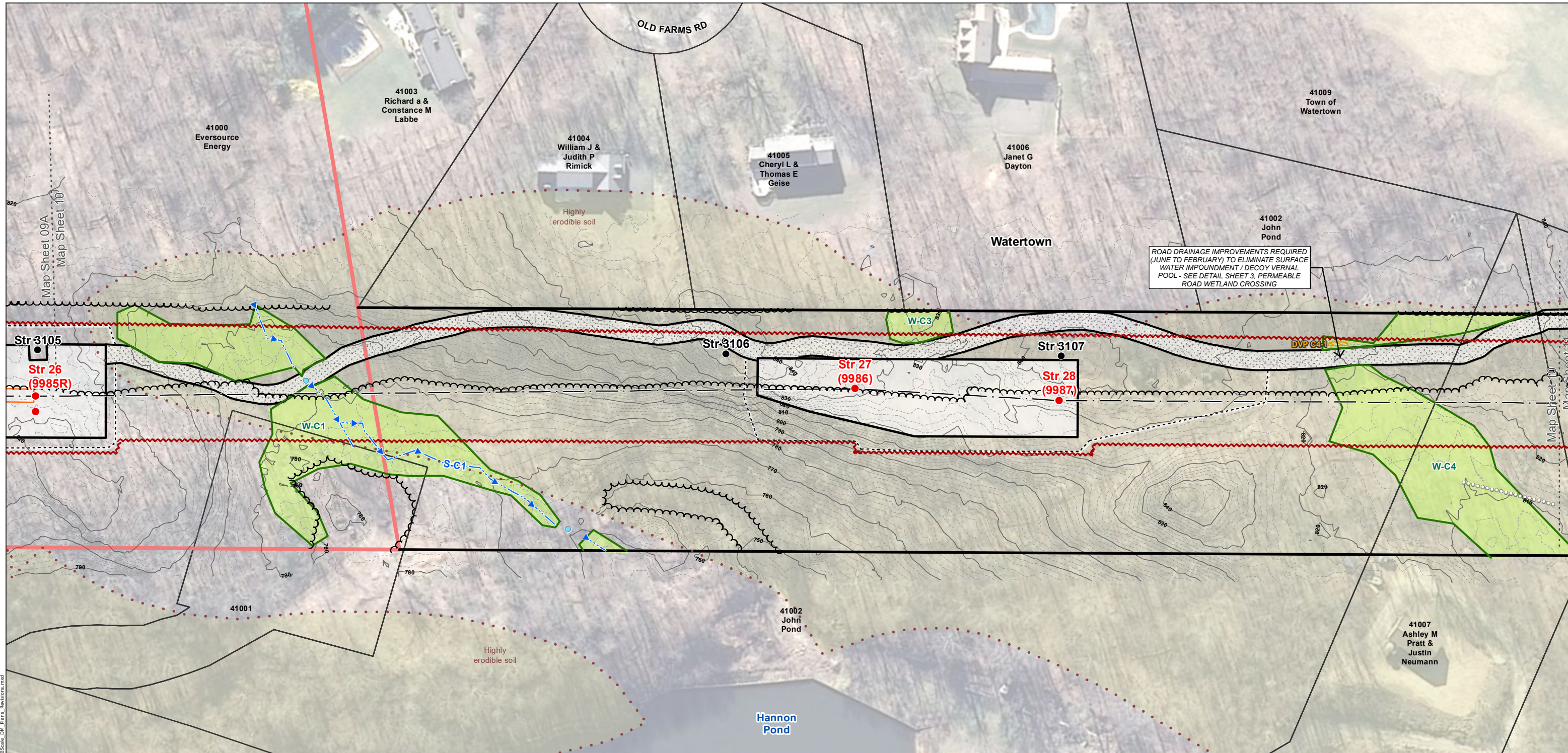
EVERSOURCE ENERGY

Frost Bridge to Campville 115-kV Project Development & Management Plan

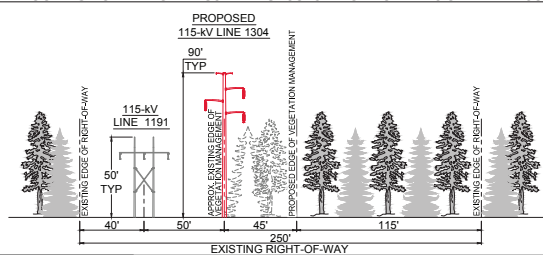
Watertown, CT Map Sheet 09A of 35

January 2017 Map Author: N. Castro

Tighe & Bond ALL-POINTS TECHNOLOGY CORPORATION



XS-3 VIEW LOOKING NORTH FROM FROST BRIDGE SUBSTATION TOWARDS CAMPVILLE SUBSTATION

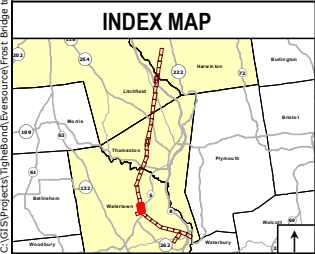


GENERAL NOTES

- PERMIT PLANS ONLY NOT FOR CONSTRUCTION
- THE LIMITS OF DISTURBANCE AS SHOWN DEFINE AREAS WHERE VEGETATION REMOVAL AND GRUBBING, GRADING, AND EXCAVATION MAY OCCUR. MINOR DEVIATIONS MAY BE REQUIRED IN SOME LOCATIONS.
- ALL WORK WILL BE CONDUCTED IN ACCORDANCE WITH THE RELEVANT PORTIONS OF EVERSOURCE'S BMP MANUAL; CONNECTICUT CONSTRUCTION AND MAINTENANCE ENVIRONMENTAL REQUIREMENTS (BMP MANUAL), UNLESS MORE STRINGENT PROJECT-SPECIFIC MEASURES APPLY.
- ALL WORK WILL BE CONDUCTED IN ACCORDANCE WITH THE REQUIREMENTS OF REGULATORY APPROVALS FROM THE U.S. ARMY CORPS OF ENGINEERS AND THE CONNECTICUT DEPARTMENT OF ENERGY AND ENVIRONMENTAL PROTECTION, AND WITH ALL PROJECT PROTOCOLS.
- INSTALL ALL EROSION AND SEDIMENTATION CONTROL MEASURES AS SHOWN ON THE PLANS AND ELSEWHERE AS NECESSARY TO PREVENT SOIL EROSION AND SEDIMENT CONTROL. ADDITIONAL CONTROLS, NOT DEPICTED ON THE PLANS, MAY BE NECESSARY FOR COMPLIANCE. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO ASSESS THE NEED FOR, AND INSTALL ADDITIONAL CONTROLS THAT ARE WARRANTED BY SITE CONDITIONS.
- RETAINING WALLS ARE DEPICTED IN SOME LOCATIONS. RETAINING WALLS MAY BE UTILIZED BY THE CONTRACTOR IN ORDER TO PROVIDE AN ADEQUATELY SIZED WORK PAD WHERE STEEP TOPOGRAPHY EXISTS THEREBY AVOIDING NON-COMPLIANT SLOPES PER THE 2002 CONNECTICUT GUIDELINES. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO DETERMINE THE NEED FOR, LOCATION OF, MEANS AND METHODS OF CONSTRUCTION, AND SAFETY MEASURES UTILIZED FOR RETAINING WALLS. RETAINING WALLS MAY BE REQUIRED IN ADDITIONAL LOCATIONS NOT DEPICTED ON THE PLANS.
- UPON COMPLETION OF CONSTRUCTION, IT IS THE CONTRACTOR'S RESPONSIBILITY TO REMOVE RETAINING WALLS, REGRADE, AND STABILIZE SLOPES IN COMPLIANCE WITH THE 2002 CONNECTICUT GUIDELINES.
- ALL TEMPORARY ACCESS ROADS IN UPLANDS ARE DEEMED TO BE PERMANENT UNLESS OTHERWISE NOTED
- EXISTING CULVERTS WILL BE PROTECTED AS DEEMED NECESSARY TO PREVENT DAMAGE DURING CONSTRUCTION
- WETLAND INVASIVE SPECIES CONTROL BMPs APPLY TO WORK WITHIN ALL WETLANDS WITH INVASIVE SPECIES. SEE DETAIL SHEET 2
- VERNAL POOL BMPs ARE REQUIRED WITHIN INDICATED AREAS AS DIRECTED BY THE ENVIRONMENTAL INSPECTOR. SEE DETAIL SHEET 3
- RARE SPECIES AVOIDANCE AND MINIMIZATION MEASURES ARE REQUIRED WITHIN INDICATED AREAS. SEE DETAIL SHEET 4
- FARMLAND PROTECTION MEASURES ARE REQUIRED WITHIN INDICATED AREAS. SEE DETAIL SHEET 5

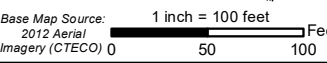
WORK AREA BOUNDARIES IN / NEAR WETLANDS
 1. VEGETATION REMOVAL WILL OCCUR WITHIN THE VEGETATION REMOVAL LIMITS AS SHOWN, WITH TEMPORARY ACCESS ROUTES IN AND ACROSS WETLANDS AS NECESSARY UNLESS OTHERWISE NOTED. ADDITIONALLY, DANGER OR HAZARD TREE REMOVAL MAY BE REQUIRED OUTSIDE OF THE VEGETATION REMOVAL LIMITS.
 2. ALL PROJECT CONSTRUCTION ACTIVITIES IN WETLANDS (EXCLUDING VEGETATION REMOVAL) WILL BE CONTAINED WITHIN THE DEPICTED WORK PADS AND ACCESS ROADS.

STR #	DESCRIPTION	HEIGHT (FT)	FINISH	FOUNDATION
26	3 POLE ANGLE DEADEND	70	WEATHERING STEEL	DRILLED SHAFT
27	VERTICAL STRAIN	95	WEATHERING STEEL	DRILLED SHAFT
28	DELTA STRAIN	80	WEATHERING STEEL	DRILLED SHAFT



Legend

- Proposed Structure
- Structure to be Removed
- Existing Structure
- Existing Right-of-Way
- Proposed 115-kV Line (Centerline)
- Existing Transmission Line to be Removed
- 10' Contour Line
- 2' Contour Line
- Railroad
- Stonewall
- Fence
- Gate
- Tree Line
- Vegetation Removal Limits
- Limit of Disturbance
- Designated Recreation Trail
- Trail Points
- Work Pad
- Existing Access Road
- Existing Alternate Access Road
- New Access Road
- New Alternate Access Road
- New Temporary Access Road
- Proposed Substation Expansion
- Culvert (center)
- Intermittent Watercourse
- Perennial Watercourse
- Ordinary High Water Mark
- Wetland Boundary
- Wetland Area
- Connecticut Wetlands Only
- Temporary Wetland Impact
- Permanent Wetland Impact
- Rare Species
- Vernal Pool
- Decoy Vernal Pool
- Highly Erodeable Soils
- 100 Year Flood Zone
- Eversource Owned Property
- Parcel Boundary
- Municipal Boundary
- REV 1 D&M Plan Revision Area
- Map Sheet Matchline
- Underground ADSS
- Temporary Structure
- Temporary Guy Anchor

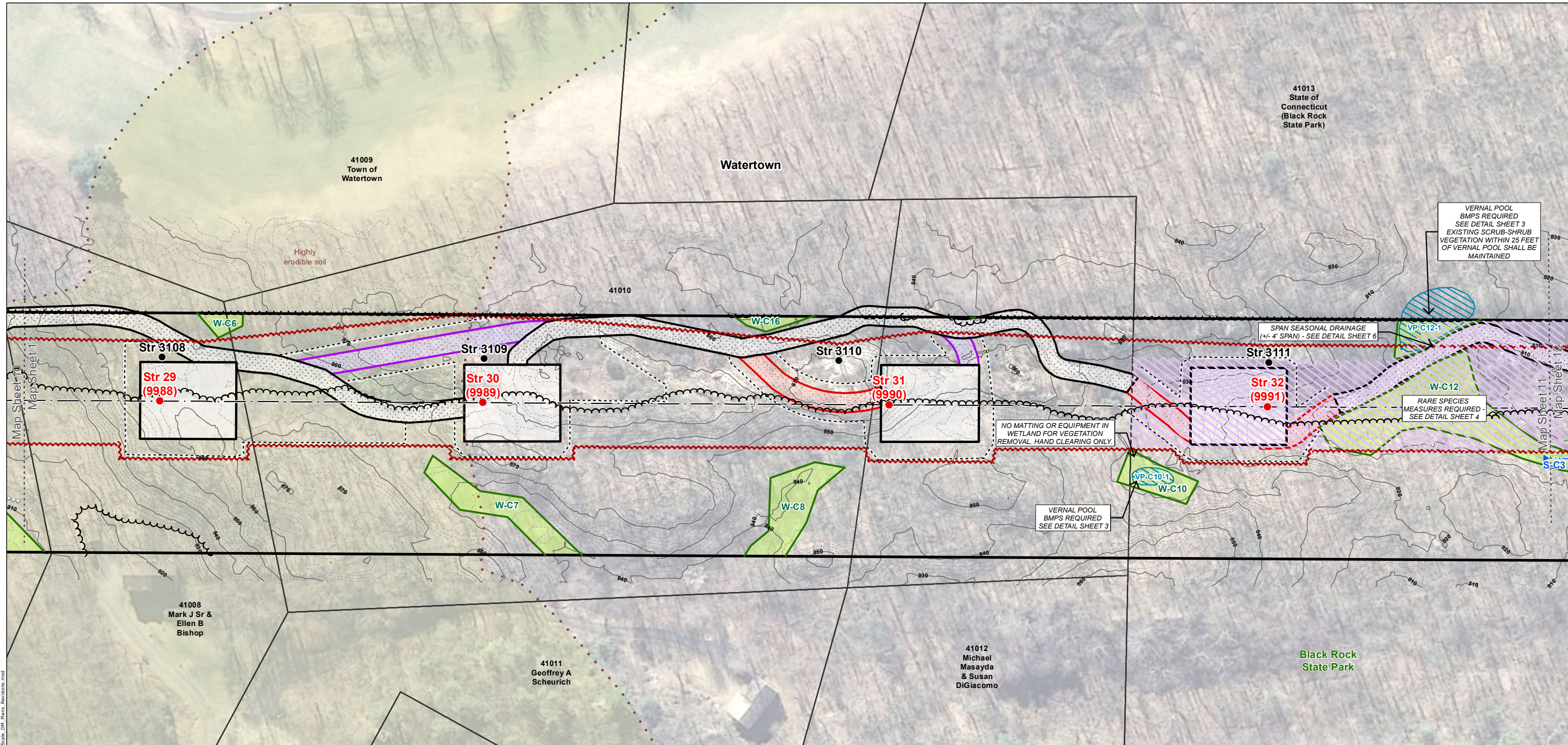


NO.	DATE	REVISIONS	BY	CHK	APP	APP

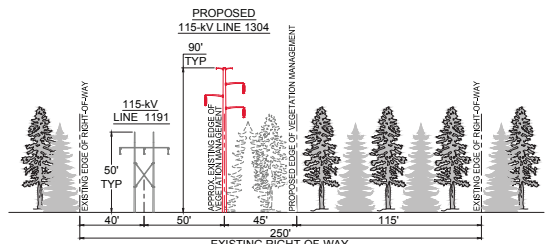
EVERSOURCE ENERGY
Frost Bridge to Campville
115-kV Project
Development & Management Plan

Watertown, CT Map Sheet 10 of 35
 January 2017 Map Author: N. Castro

Tighe & Bond **ALL-POINTS TECHNOLOGY CORPORATION**

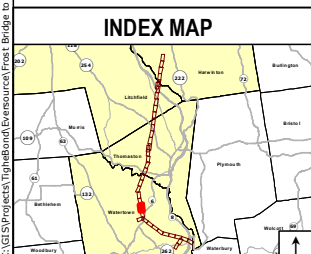


XS-3 VIEW LOOKING NORTH FROM FROST BRIDGE SUBSTATION TOWARDS CAMPVILLE SUBSTATION



- GENERAL NOTES**
1. PERMIT PLANS ONLY NOT FOR CONSTRUCTION
 2. THE LIMITS OF DISTURBANCE AS SHOWN DEFINE AREAS WHERE VEGETATION REMOVAL AND GRUBBING, GRADING, AND EXCAVATION MAY OCCUR. MINOR DEVIATIONS MAY BE REQUIRED IN SOME LOCATIONS.
 3. ALL WORK WILL BE CONDUCTED IN ACCORDANCE WITH THE RELEVANT PORTIONS OF EVERSOURCE'S BMP MANUAL: CONNECTICUT CONSTRUCTION AND MAINTENANCE ENVIRONMENTAL REQUIREMENTS (BMP MANUAL), UNLESS MORE STRINGENT PROJECT-SPECIFIC MEASURES APPLY.
 4. ALL WORK WILL BE CONDUCTED IN ACCORDANCE WITH THE REQUIREMENTS OF REGULATORY APPROVALS FROM THE U.S. ARMY CORPS OF ENGINEERS AND THE CONNECTICUT DEPARTMENT OF ENERGY AND ENVIRONMENTAL PROTECTION, AND WITH ALL PROJECT PROTOCOLS.
 5. INSTALL ALL EROSION AND SEDIMENTATION CONTROL MEASURES AS SHOWN ON THE PLANS AND ELSEWHERE AS NECESSARY TO PREVENT SOIL EROSION AND SEDIMENT TRANSPORT, AND COMPLY WITH THE 2002 CONNECTICUT GUIDELINES FOR SOIL EROSION AND SEDIMENT CONTROL. ADDITIONAL CONTROLS, NOT DEPICTED ON THE PLANS, MAY BE NECESSARY FOR COMPLIANCE. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO ASSESS THE NEED FOR, AND INSTALL ADDITIONAL CONTROLS THAT ARE WARRANTED BY SITE CONDITIONS.
 6. RETAINING WALLS ARE DEPICTED IN SOME LOCATIONS. RETAINING WALLS MAY BE UTILIZED BY THE CONTRACTOR IN ORDER TO PROVIDE AN ADEQUATELY SIZED WORK PAD WHERE STEEP TOPOGRAPHY EXISTS THEREBY AVOIDING NON-COMPLIANT SLOPES PER THE 2002 CONNECTICUT GUIDELINES. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO DETERMINE THE NEED FOR, LOCATION OF, MEANS AND METHODS OF CONSTRUCTION, AND SAFETY MEASURES UTILIZED FOR RETAINING WALLS. RETAINING WALLS MAY BE REQUIRED IN ADDITIONAL LOCATIONS NOT DEPICTED ON THE PLANS.
 7. UPON COMPLETION OF CONSTRUCTION, IT IS THE CONTRACTOR'S RESPONSIBILITY TO REMOVE RETAINING WALLS, REGRADE, AND STABILIZE SLOPES IN COMPLIANCE WITH THE 2002 CONNECTICUT GUIDELINES.
 8. ALL TEMPORARY ACCESS ROADS IN UPLANDS ARE DEEMED TO BE PERMANENT UNLESS OTHERWISE NOTED
 9. EXISTING CULVERTS WILL BE PROTECTED AS DEEMED NECESSARY TO PREVENT DAMAGE DURING CONSTRUCTION
 10. WETLAND INVASIVE SPECIES CONTROL BMPS APPLY TO WORK WITHIN ALL WETLANDS WITH INVASIVE SPECIES. SEE DETAIL SHEET 2
 11. VERNAL POOL BMPS ARE REQUIRED WITHIN INDICATED AREAS AS DIRECTED BY THE ENVIRONMENTAL INSPECTOR. SEE DETAIL SHEET 3
 12. RARE SPECIES AVOIDANCE AND MINIMIZATION MEASURES ARE REQUIRED WITHIN INDICATED AREAS. SEE DETAIL SHEET 4
 13. FARMLAND PROTECTION MEASURES ARE REQUIRED WITHIN INDICATED AREAS. SEE DETAIL SHEET 5
- WORK AREA BOUNDARIES IN / NEAR WETLANDS**
1. VEGETATION REMOVAL WILL OCCUR WITHIN THE VEGETATION REMOVAL LIMITS AS SHOWN, WITH TEMPORARY ACCESS ROUTES IN AND ACROSS WETLANDS AS NECESSARY UNLESS OTHERWISE NOTED. ADDITIONALLY, DANGER OR HAZARD TREE REMOVAL MAY BE REQUIRED OUTSIDE OF THE VEGETATION REMOVAL LIMITS
 2. ALL PROJECT CONSTRUCTION ACTIVITIES IN WETLANDS (EXCLUDING VEGETATION REMOVAL) WILL BE CONTAINED WITHIN THE DEPICTED WORK PADS AND ACCESS ROADS.

STR #	DESCRIPTION	HEIGHT (FT)	FINISH	FOUNDATION
29	DELTA TANGENT	69.5	WEATHERING STEEL	DIRECT EMBEDDED
30	DELTA TANGENT	92.5	WEATHERING STEEL	DIRECT EMBEDDED
31	DELTA TANGENT	83	WEATHERING STEEL	DIRECT EMBEDDED
32	DELTA TANGENT	92.5	WEATHERING STEEL	DIRECT EMBEDDED



Legend

- Proposed Structure
- Structure to be Removed
- Existing Structure
- Existing Right-of-Way
- Proposed 115-kV Line (Centerline)
- Existing Transmission Line to be Removed
- 10' Contour Line
- 2' Contour Line
- Railroad
- Stonewall
- Fence
- Gate
- Tree Line
- Vegetation Removal Limits
- Limit of Disturbance
- Designated Recreation Trail
- Trail Points
- Work Pad
- Existing Access Road
- Existing Alternate Access Road
- New Access Road
- New Alternate Access Road
- New Temporary Access Road
- Proposed Substation Expansion
- Culvert (center)
- Intermittent Watercourse
- Perennial Watercourse
- Ordinary High Water Mark
- Wetland Boundary
- Wetland Area
- Connecticut Wetlands Only
- Temporary Wetland Impact
- Permanent Wetland Impact
- Rare Species
- Vernal Pool
- Decoy Vernal Pool
- Highly Erodible Soils
- 100 Year Flood Zone
- Eversource Owned Property
- Parcel Boundary
- Municipal Boundary
- REV 1 D&M Plan Revision Area
- Map Sheet Matchline
- Underground ADSS
- Temporary Structure
- Temporary Guy Anchor

Base Map Source: 2012 Aerial Imagery (CTECO) 0

1 inch = 100 feet

0 50 100 Feet

EVERSOURCE ENERGY

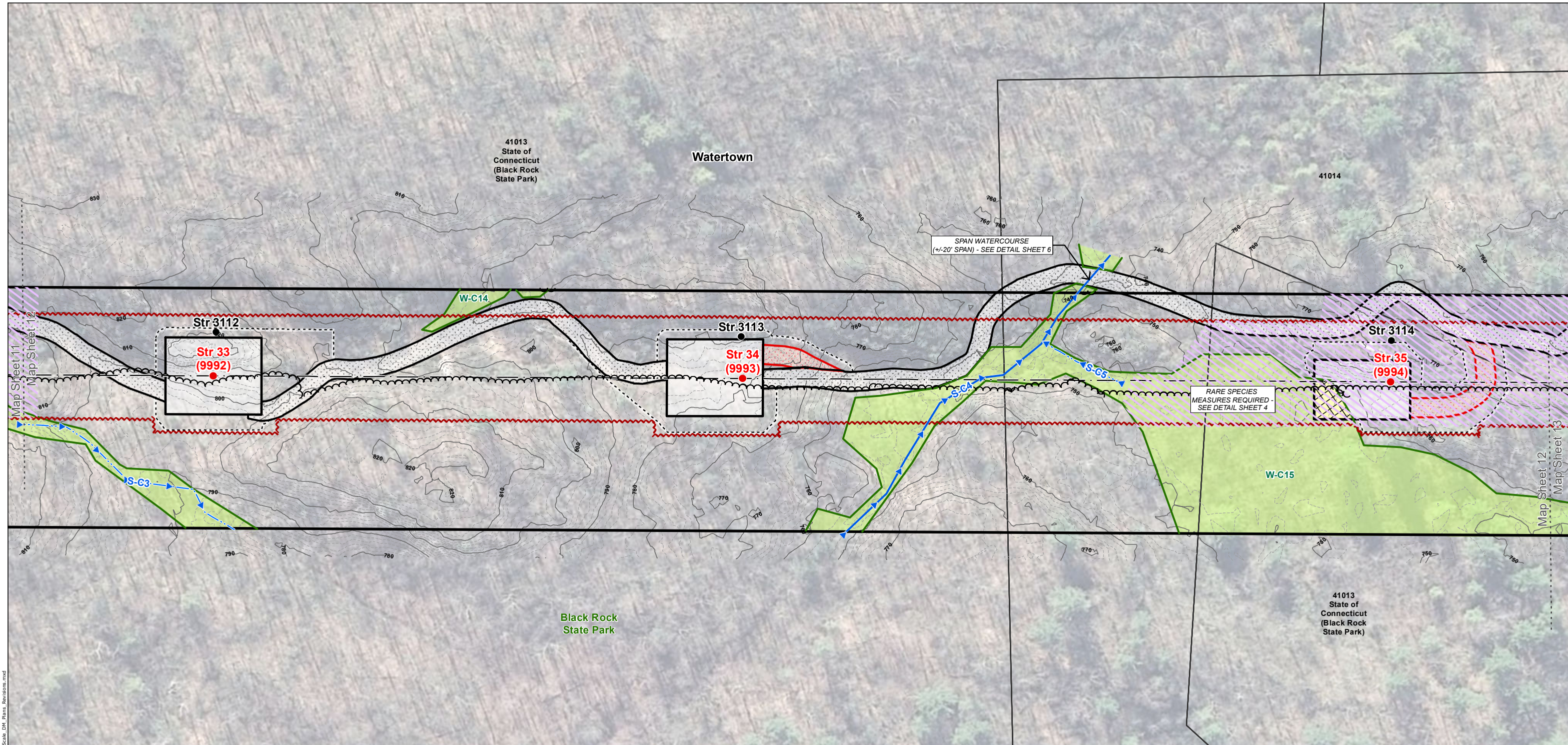
Frost Bridge to Campville 115-kV Project Development & Management Plan

Watertown, CT | Map Sheet 11 of 35

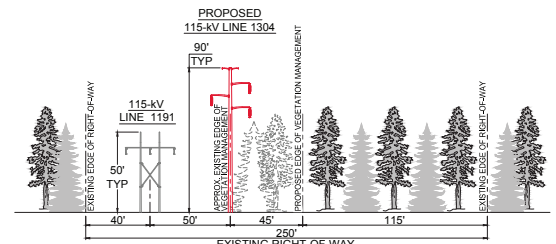
January 2017 | Map Author: N. Castro

Tighe & Bond | ALL-POINTS TECHNOLOGY CORPORATION

NO.	DATE	REVISIONS	BY	CHK	APP	APP



XS-3 VIEW LOOKING NORTH FROM FROST BRIDGE SUBSTATION TOWARDS CAMPVILLE SUBSTATION

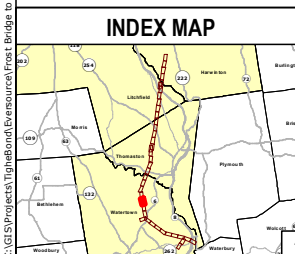


GENERAL NOTES

1. PERMIT PLANS ONLY NOT FOR CONSTRUCTION
2. THE LIMITS OF DISTURBANCE AS SHOWN DEFINE AREAS WHERE VEGETATION REMOVAL AND GRUBBING, GRADING, AND EXCAVATION MAY OCCUR. MINOR DEVIATIONS MAY BE REQUIRED IN SOME LOCATIONS.
3. ALL WORK WILL BE CONDUCTED IN ACCORDANCE WITH THE RELEVANT PORTIONS OF EVERSOURCE'S BMP MANUAL: CONNECTICUT CONSTRUCTION AND MAINTENANCE ENVIRONMENTAL REQUIREMENTS (BMP MANUAL), UNLESS MORE STRINGENT PROJECT-SPECIFIC MEASURES APPLY.
4. ALL WORK WILL BE CONDUCTED IN ACCORDANCE WITH THE REQUIREMENTS OF REGULATORY APPROVALS FROM THE U.S. ARMY CORPS OF ENGINEERS AND THE CONNECTICUT DEPARTMENT OF ENERGY AND ENVIRONMENTAL PROTECTION, AND WITH ALL PROJECT PROTOCOLS.
5. INSTALL ALL EROSION AND SEDIMENTATION CONTROL MEASURES AS SHOWN ON THE PLANS AND ELSEWHERE AS NECESSARY TO PREVENT SOIL EROSION AND SEDIMENT TRANSPORT. ADDITIONAL CONTROLS, NOT DEPICTED ON THE PLANS, MAY BE NECESSARY FOR COMPLIANCE. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO ASSESS THE NEED FOR, AND INSTALL ADDITIONAL CONTROLS THAT ARE WARRANTED BY SITE CONDITIONS.
6. RETAINING WALLS ARE DEPICTED IN SOME LOCATIONS. RETAINING WALLS MAY BE UTILIZED BY THE CONTRACTOR IN ORDER TO PROVIDE AN ADEQUATELY SIZED WORK PAD WHERE STEEP TOPOGRAPHY EXISTS THEREBY AVOIDING NON-COMPLIANT SLOPES PER THE 2002 CONNECTICUT GUIDELINES. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO DETERMINE THE NEED FOR, LOCATION OF, MEANS AND METHODS OF CONSTRUCTION, AND SAFETY MEASURES UTILIZED FOR RETAINING WALLS. RETAINING WALLS MAY BE REQUIRED IN ADDITIONAL LOCATIONS NOT DEPICTED ON THE PLANS.
7. UPON COMPLETION OF CONSTRUCTION, IT IS THE CONTRACTOR'S RESPONSIBILITY TO REMOVE RETAINING WALLS, REGRADE, AND STABILIZE SLOPES IN COMPLIANCE WITH THE 2002 CONNECTICUT GUIDELINES.
8. ALL TEMPORARY ACCESS ROADS IN UPLANDS ARE DEEMED TO BE PERMANENT UNLESS OTHERWISE NOTED
9. EXISTING CULVERTS WILL BE PROTECTED AS DEEMED NECESSARY TO PREVENT DAMAGE DURING CONSTRUCTION
10. WETLAND INVASIVE SPECIES CONTROL BMPs APPLY TO WORK WITHIN ALL WETLANDS WITH INVASIVE SPECIES. SEE DETAIL SHEET 2
11. VERNAL POOL BMPs ARE REQUIRED WITHIN INDICATED AREAS AS DIRECTED BY THE ENVIRONMENTAL INSPECTOR. SEE DETAIL SHEET 3
12. RARE SPECIES AVOIDANCE AND MINIMIZATION MEASURES ARE REQUIRED WITHIN INDICATED AREAS. SEE DETAIL SHEET 4
13. FARMLAND PROTECTION MEASURES ARE REQUIRED WITHIN INDICATED AREAS. SEE DETAIL SHEET 5

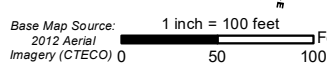
WORK AREA BOUNDARIES IN / NEAR WETLANDS
 1. VEGETATION REMOVAL WILL OCCUR WITHIN THE VEGETATION REMOVAL LIMITS AS SHOWN, WITH TEMPORARY ACCESS ROUTES IN AND ACROSS WETLANDS AS NECESSARY UNLESS OTHERWISE NOTED. ADDITIONALLY, DANGER OR HAZARD TREE REMOVAL MAY BE REQUIRED OUTSIDE OF THE VEGETATION REMOVAL LIMITS.
 2. ALL PROJECT CONSTRUCTION ACTIVITIES IN WETLANDS (EXCLUDING VEGETATION REMOVAL) WILL BE CONTAINED WITHIN THE DEPICTED WORK PADS AND ACCESS ROADS.

STR #	DESCRIPTION	HEIGHT (FT)	FINISH	FOUNDATION
33	DELTA TANGENT	92.5	WEATHERING STEEL	DIRECT EMBEDDED
34	DELTA TANGENT	102	WEATHERING STEEL	DIRECT EMBEDDED
35	DELTA TANGENT	92.5	WEATHERING STEEL	DIRECT EMBEDDED



Legend

- Proposed Structure
- Structure to be Removed
- Existing Structure
- Existing Right-of-Way
- Proposed 115-kV Line (Centerline)
- Existing Transmission Line to be Removed
- 10' Contour Line
- 2' Contour Line
- Railroad
- Stonewall
- Fence
- Gate
- Tree Line
- Vegetation Removal Limits
- Limit of Disturbance
- Designated Recreation Trail
- Trail Points
- Work Pad
- Existing Access Road
- Existing Alternate Access Road
- New Access Road
- New Alternate Access Road
- New Temporary Access Road
- Proposed Substation Expansion
- Culvert (center)
- Intermittent Watercourse
- Perennial Watercourse
- Ordinary High Water Mark
- Wetland Boundary
- Wetland Area
- Connecticut Wetlands Only
- Temporary Wetland Impact
- Permanent Wetland Impact
- Rare Species
- Vernal Pool
- Decoy Vernal Pool
- Highly Erodible Soils
- 100 Year Flood Zone
- Eversource Owned Property
- Parcel Boundary
- Municipal Boundary
- REV 1 D&M Plan Revision Area
- Map Sheet Matchline
- Underground ADSS
- Temporary Structure
- Temporary Guy Anchor



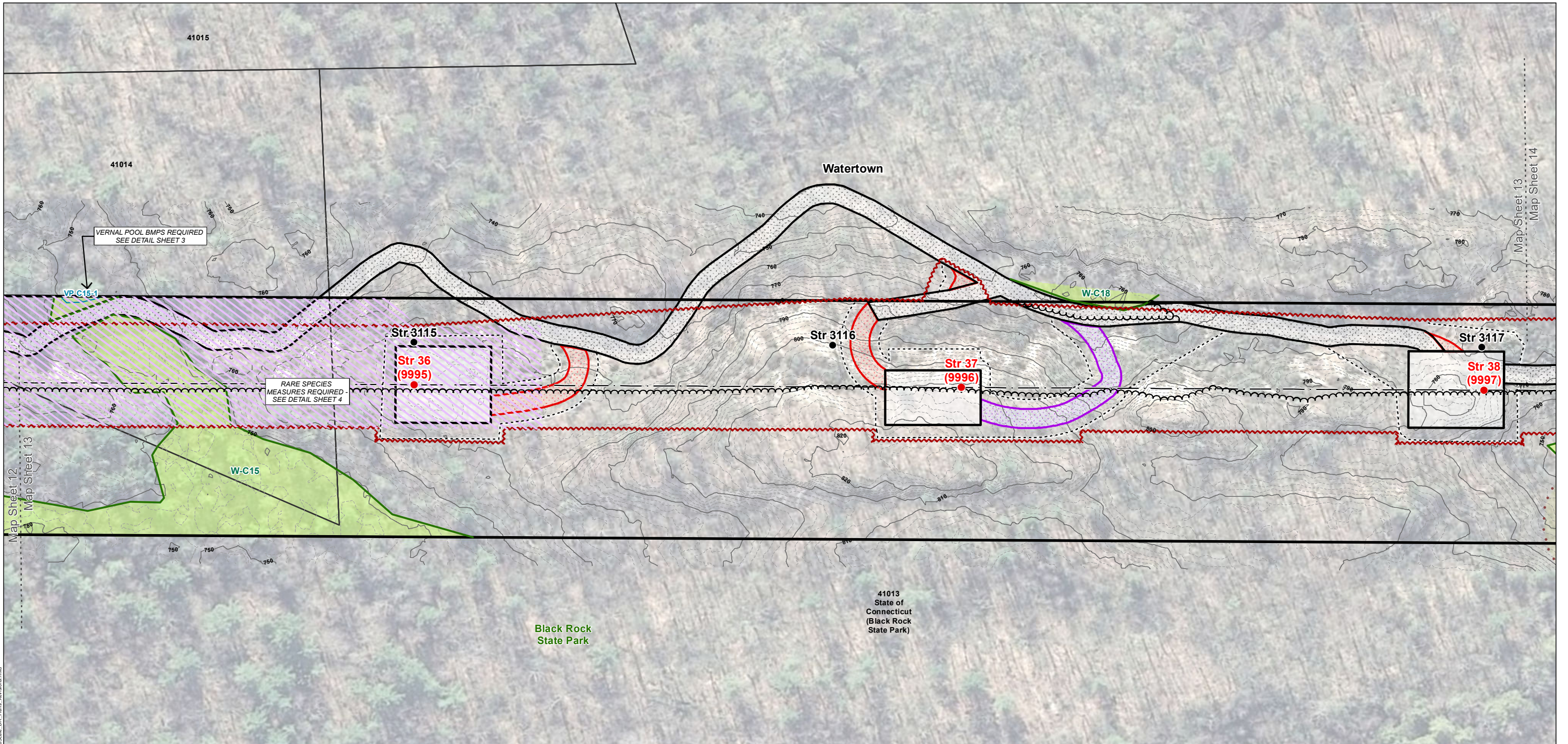
EVERSOURCE ENERGY

**Frost Bridge to Campville
115-kV Project
Development & Management Plan**

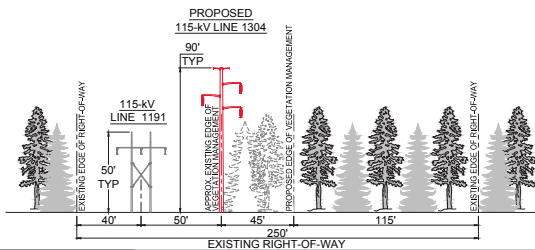
Watertown, CT Map Sheet 12 of 35

January 2017 Map Author: N. Castro

NO.	DATE	REVISIONS	BY	CHK	APP	APP



XS-3 VIEW LOOKING NORTH FROM FROST BRIDGE SUBSTATION TOWARDS CAMPVILLE SUBSTATION

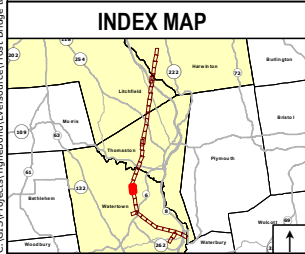


GENERAL NOTES

- PERMIT PLANS ONLY NOT FOR CONSTRUCTION
- THE LIMITS OF DISTURBANCE AS SHOWN DEFINE AREAS WHERE VEGETATION REMOVAL AND GRUBBING, GRADING, AND EXCAVATION MAY OCCUR. MINOR DEVIATIONS MAY BE REQUIRED IN SOME LOCATIONS.
- ALL WORK WILL BE CONDUCTED IN ACCORDANCE WITH THE RELEVANT PORTIONS OF EVERSOURCE'S BMP MANUAL: CONNECTICUT CONSTRUCTION AND MAINTENANCE ENVIRONMENTAL REQUIREMENTS (BMP MANUAL), UNLESS MORE STRINGENT PROJECT-SPECIFIC MEASURES APPLY.
- ALL WORK WILL BE CONDUCTED IN ACCORDANCE WITH THE REQUIREMENTS OF REGULATORY APPROVALS FROM THE U.S. ARMY CORPS OF ENGINEERS AND THE CONNECTICUT DEPARTMENT OF ENERGY AND ENVIRONMENTAL PROTECTION, AND WITH ALL PROJECT PROTOCOLS.
- INSTALL ALL EROSION AND SEDIMENTATION CONTROL MEASURES AS SHOWN ON THE PLANS AND ELSEWHERE AS NECESSARY TO PREVENT SOIL EROSION AND SEDIMENT TRANSPORT, AND COMPLY WITH THE 2002 CONNECTICUT GUIDELINES FOR SOIL EROSION AND SEDIMENT CONTROL. ADDITIONAL CONTROLS, NOT DEPICTED ON THE PLANS, MAY BE NECESSARY FOR COMPLIANCE. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO ASSESS THE NEED FOR, AND INSTALL ADDITIONAL CONTROLS THAT ARE WARRANTED BY SITE CONDITIONS.
- RETAINING WALLS ARE DEPICTED IN SOME LOCATIONS. RETAINING WALLS MAY BE UTILIZED BY THE CONTRACTOR IN ORDER TO PROVIDE AN ADEQUATELY SIZED WORK PAD WHERE STEEP TOPOGRAPHY EXISTS THEREBY AVOIDING NON-COMPLIANT SLOPES PER THE 2002 CONNECTICUT GUIDELINES. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO DETERMINE THE NEED FOR, LOCATION OF, MEANS AND METHODS OF CONSTRUCTION, AND SAFETY MEASURES UTILIZED FOR RETAINING WALLS. RETAINING WALLS MAY BE REQUIRED IN ADDITIONAL LOCATIONS NOT DEPICTED ON THE PLANS.
- UPON COMPLETION OF CONSTRUCTION, IT IS THE CONTRACTOR'S RESPONSIBILITY TO REMOVE RETAINING WALLS, REGRADE, AND STABILIZE SLOPES IN COMPLIANCE WITH THE 2002 CONNECTICUT GUIDELINES.
- ALL TEMPORARY ACCESS ROADS IN UPLANDS ARE DEEMED TO BE PERMANENT UNLESS OTHERWISE NOTED
- EXISTING CULVERTS WILL BE PROTECTED AS DEEMED NECESSARY TO PREVENT DAMAGE DURING CONSTRUCTION
- WETLAND INVASIVE SPECIES CONTROL BMPS APPLY TO WORK WITHIN ALL WETLANDS WITH INVASIVE SPECIES. SEE DETAIL SHEET 2
- VERNAL POOL BMPS ARE REQUIRED WITHIN INDICATED AREAS AS DIRECTED BY THE ENVIRONMENTAL INSPECTOR. SEE DETAIL SHEET 3
- RARE SPECIES AVOIDANCE AND MINIMIZATION MEASURES ARE REQUIRED WITHIN INDICATED AREAS. SEE DETAIL SHEET 4
- FARMLAND PROTECTION MEASURES ARE REQUIRED WITHIN INDICATED AREAS. SEE DETAIL SHEET 5

WORK AREA BOUNDARIES IN / NEAR WETLANDS
 1. VEGETATION REMOVAL WILL OCCUR WITHIN THE VEGETATION REMOVAL LIMITS AS SHOWN, WITH TEMPORARY ACCESS ROUTES IN AND ACROSS WETLANDS AS NECESSARY UNLESS OTHERWISE NOTED. ADDITIONALLY, DANGER OR HAZARD TREE REMOVAL MAY BE REQUIRED OUTSIDE OF THE VEGETATION REMOVAL LIMITS.
 2. ALL PROJECT CONSTRUCTION ACTIVITIES IN WETLANDS (EXCLUDING VEGETATION REMOVAL) WILL BE CONTAINED WITHIN THE DEPICTED WORK PADS AND ACCESS ROADS.

STR #	DESCRIPTION	HEIGHT (FT)	FINISH	FOUNDATION
36	DELTA TANGENT	97.5	WEATHERING STEEL	DIRECT EMBEDDED
37	DELTA TANGENT	92.5	WEATHERING STEEL	DIRECT EMBEDDED
38	DELTA TANGENT	111.5	WEATHERING STEEL	DIRECT EMBEDDED



Legend

- Proposed Structure
- Structure to be Removed
- Existing Structure
- Existing Right-of-Way
- Proposed 115-kV Line (Centerline)
- Existing Transmission Line to be Removed
- 10' Contour Line
- 2' Contour Line
- Railroad
- Stonewall
- Fence
- Gate
- Tree Line
- Vegetation Removal Limits
- Limit of Disturbance
- Designated Recreation Trail
- Trail Points
- Work Pad
- Existing Access Road
- Existing Alternate Access Road
- New Access Road
- New Alternate Access Road
- New Temporary Access Road
- Proposed Substation Expansion
- Culvert (center)
- Intermittent Watercourse
- Perennial Watercourse
- Ordinary High Water Mark
- Wetland Boundary
- Wetland Area
- Connecticut Wetlands Only
- Temporary Wetland Impact
- Permanent Wetland Impact
- Rare Species
- Vernal Pool
- Decoy Vernal Pool
- Highly Erodible Soils
- 100 Year Flood Zone
- Eversource Owned Property
- Parcel Boundary
- Municipal Boundary
- REV 1 D&M Plan Revision Area
- Map Sheet Matchline
- Underground ADSS
- Temporary Structure
- Temporary Guy Anchor

NO.	DATE	REVISIONS	BY	CHK	APP	APP

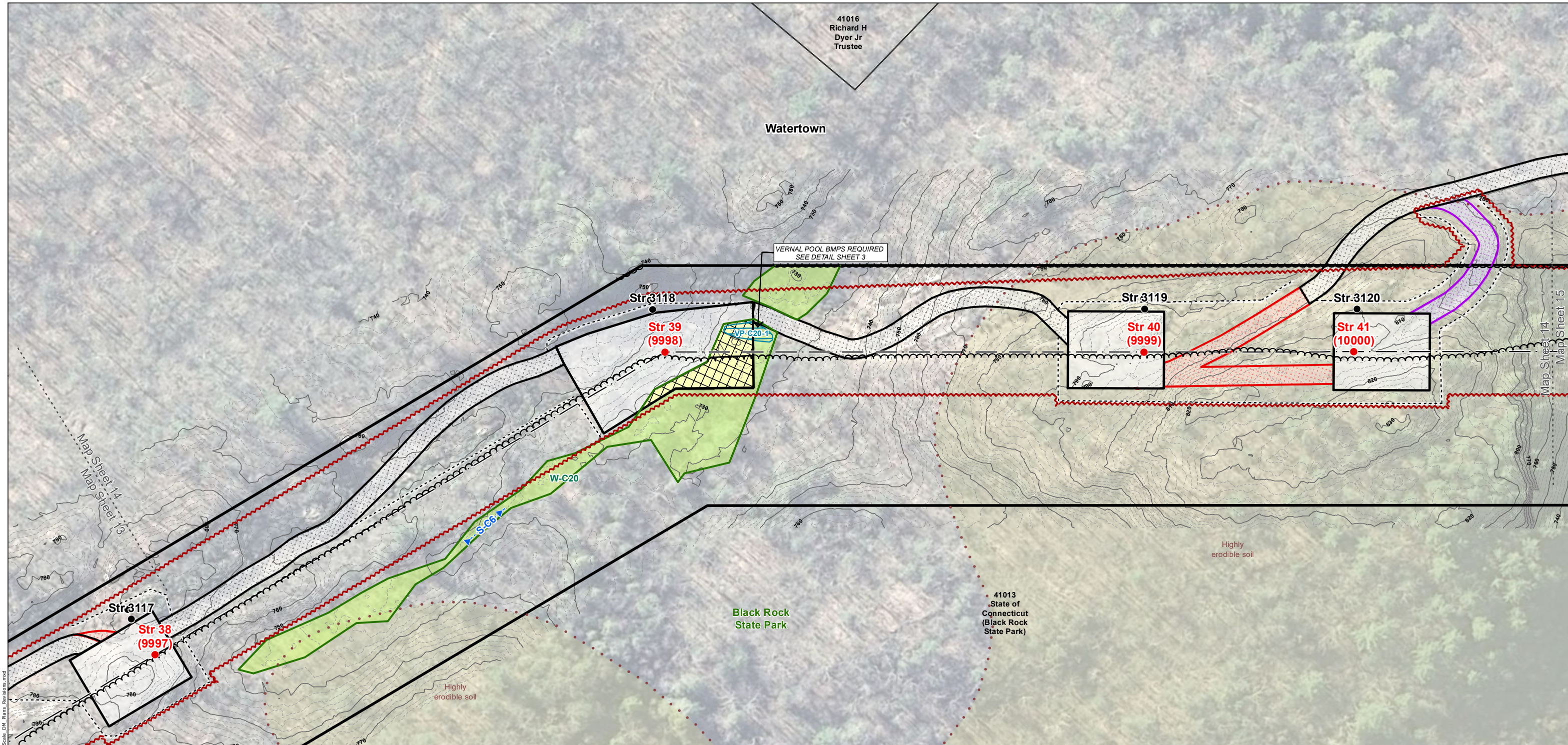
EVERSOURCE ENERGY

Frost Bridge to Campville 115-kV Project Development & Management Plan

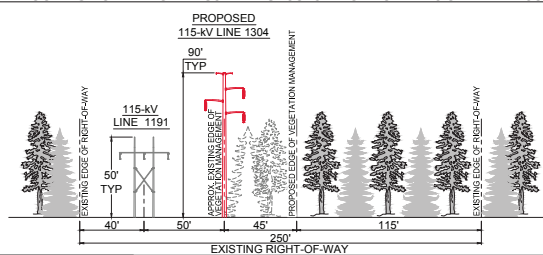
Watertown, CT | Map Sheet 13 of 35
 January 2017 | Map Author: N. Castro

Tighe & Bond | ALL-POINTS TECHNOLOGY CORPORATION

C:\GIS\Projects\TigheBond\Development\Frost Bridge to Campville 115-kV Project\MapSheet13\FrostBridgeCampville_130Scale_DM_Plan_Revision.mxd



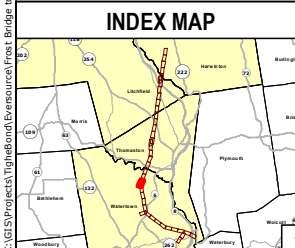
XS-3 VIEW LOOKING NORTH FROM FROST BRIDGE SUBSTATION TOWARDS CAMPVILLE SUBSTATION



GENERAL NOTES

1. PERMIT PLANS ONLY NOT FOR CONSTRUCTION
 2. THE LIMITS OF DISTURBANCE AS SHOWN DEFINE THE AREAS WHERE VEGETATION REMOVAL AND GRUBBING, GRADING, AND EXCAVATION MAY OCCUR. MINOR DEVIATIONS MAY BE REQUIRED IN SOME LOCATIONS.
 3. ALL WORK WILL BE CONDUCTED IN ACCORDANCE WITH THE RELEVANT PORTIONS OF EVERSOURCE'S BMP MANUAL: CONNECTICUT CONSTRUCTION AND MAINTENANCE ENVIRONMENTAL REQUIREMENTS (BMP MANUAL), UNLESS MORE STRINGENT PROJECT-SPECIFIC MEASURES APPLY.
 4. ALL WORK WILL BE CONDUCTED IN ACCORDANCE WITH THE REQUIREMENTS OF REGULATORY APPROVALS FROM THE U.S. ARMY CORPS OF ENGINEERS AND THE CONNECTICUT DEPARTMENT OF ENERGY AND ENVIRONMENTAL PROTECTION, AND WITH ALL PROJECT PROTOCOLS.
 5. INSTALL ALL EROSION AND SEDIMENTATION CONTROL MEASURES AS SHOWN ON THE PLANS AND ELSEWHERE AS NECESSARY TO PREVENT SOIL EROSION AND SEDIMENT CONTROL. ADDITIONAL CONTROLS, NOT DEPICTED ON THE PLANS, MAY BE NECESSARY FOR COMPLIANCE. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO ASSESS THE NEED FOR, AND INSTALL ADDITIONAL CONTROLS THAT ARE WARRANTED BY SITE CONDITIONS.
 6. RETAINING WALLS ARE DEPICTED IN SOME LOCATIONS. RETAINING WALLS MAY BE UTILIZED BY THE CONTRACTOR IN ORDER TO PROVIDE AN ADEQUATELY SIZED WORK PAD WHERE STEEP TOPOGRAPHY EXISTS THEREBY AVOIDING NON-COMPLIANT SLOPES PER THE 2002 CONNECTICUT GUIDELINES. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO DETERMINE THE NEED FOR, LOCATION OF, MEANS AND METHODS OF CONSTRUCTION, AND SAFETY MEASURES UTILIZED FOR RETAINING WALLS. RETAINING WALLS MAY BE REQUIRED IN ADDITIONAL LOCATIONS NOT DEPICTED ON THE PLANS.
 7. UPON COMPLETION OF CONSTRUCTION, IT IS THE CONTRACTOR'S RESPONSIBILITY TO REMOVE RETAINING WALLS, REGRADE, AND STABILIZE SLOPES IN COMPLIANCE WITH THE 2002 CONNECTICUT GUIDELINES.
 8. ALL TEMPORARY ACCESS ROADS IN UPLANDS ARE DEEMED TO BE PERMANENT UNLESS OTHERWISE NOTED
 9. EXISTING CULVERTS WILL BE PROTECTED AS DEEMED NECESSARY TO PREVENT DAMAGE DURING CONSTRUCTION
 10. WETLAND INVASIVE SPECIES CONTROL BMPS APPLY TO WORK WITHIN ALL WETLANDS WITH INVASIVE SPECIES. SEE DETAIL SHEET 2
 11. VERNAL POOL BMPS ARE REQUIRED WITHIN INDICATED AREAS AS DIRECTED BY THE ENVIRONMENTAL INSPECTOR. SEE DETAIL SHEET 3
 12. RARE SPECIES AVOIDANCE AND MINIMIZATION MEASURES ARE REQUIRED WITHIN INDICATED AREAS. SEE DETAIL SHEET 4
 13. FARMLAND PROTECTION MEASURES ARE REQUIRED WITHIN INDICATED AREAS. SEE DETAIL SHEET 5
- WORK AREA BOUNDARIES IN / NEAR WETLANDS**
1. VEGETATION REMOVAL WILL OCCUR WITHIN THE VEGETATION REMOVAL LIMITS AS SHOWN, WITH TEMPORARY ACCESS ROUTES IN AND ACROSS WETLANDS AS NECESSARY UNLESS OTHERWISE NOTED. ADDITIONALLY, DANGER OR HAZARD TREE REMOVAL MAY BE REQUIRED OUTSIDE OF THE VEGETATION REMOVAL LIMITS.
 2. ALL PROJECT CONSTRUCTION ACTIVITIES IN WETLANDS (EXCLUDING VEGETATION REMOVAL) WILL BE CONTAINED WITHIN THE DEPICTED WORK PADS AND ACCESS ROADS.

STR #	DESCRIPTION	HEIGHT (FT)	FINISH	FOUNDATION
38	DELTA TANGENT	111.5	WEATHERING STEEL	DIRECT EMBEDDED
39	VERTICAL DEADEND	105	WEATHERING STEEL	DRILLED SHAFT
40	DELTA TANGENT	83	WEATHERING STEEL	DIRECT EMBEDDED
41	DELTA TANGENT	88	WEATHERING STEEL	DIRECT EMBEDDED



Legend

- Proposed Structure
- Structure to be Removed
- Existing Structure
- Existing Right-of-Way
- Proposed 115-kV Line (Centerline)
- Existing Transmission Line to be Removed
- 10' Contour Line
- 2' Contour Line
- Railroad
- Stonewall
- Fence
- Gate
- Tree Line
- Vegetation Removal Limits
- Limit of Disturbance
- Designated Recreation Trail
- Trail Points
- Work Pad
- Existing Access Road
- Existing Alternate Access Road
- New Access Road
- New Alternate Access Road
- New Temporary Access Road
- Proposed Substation Expansion
- Culvert (center)
- Intermittent Watercourse
- Perennial Watercourse
- Ordinary High Water Mark
- Wetland Boundary
- Wetland Area
- Connecticut Wetlands Only
- Temporary Wetland Impact
- Permanent Wetland Impact
- Rare Species
- Vernal Pool
- Decoy Vernal Pool
- Highly Erodible Soils
- 100 Year Flood Zone
- Eversource Owned Property
- Parcel Boundary
- Municipal Boundary
- REV 1 D&M Plan Revision Area
- Map Sheet Matchline
- Underground ADSS
- Temporary Structure
- Temporary Guy Anchor

Base Map Source: 2012 Aerial Imagery (CTECO) 0 50 100 Feet
1 inch = 100 feet

EVERSOURCE ENERGY

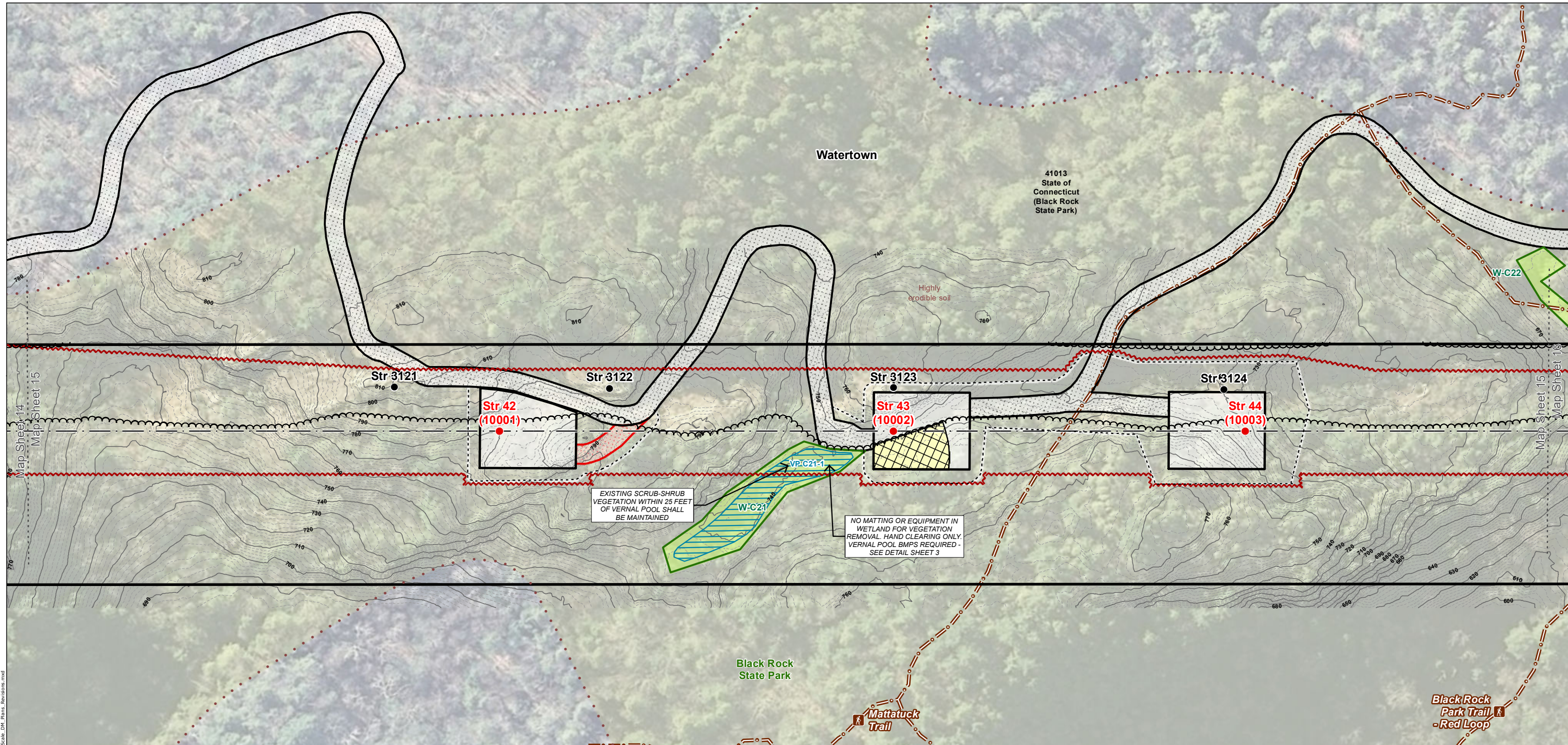
Frost Bridge to Campville 115-kV Project Development & Management Plan

Watertown, CT Map Sheet 14 of 35
January 2017 Map Author: N. Castro

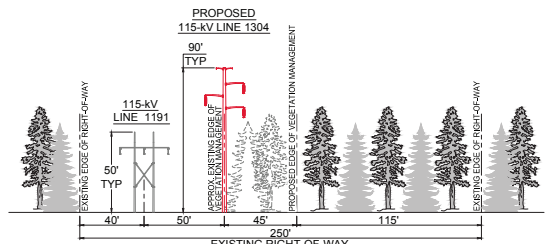
Tighe & Bond

ALL-POINTS TECHNOLOGY CORPORATION

NO.	DATE	REVISIONS	BY	CHK	APP	APP



XS-3 VIEW LOOKING NORTH FROM FROST BRIDGE SUBSTATION TOWARDS CAMPVILLE SUBSTATION



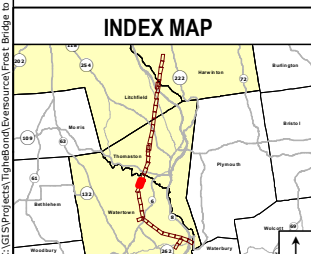
GENERAL NOTES

- PERMIT PLANS ONLY NOT FOR CONSTRUCTION
- THE LIMITS OF DISTURBANCE AS SHOWN DEFINE AREAS WHERE VEGETATION REMOVAL AND GRUBBING, GRADING, AND EXCAVATION MAY OCCUR. MINOR DEVIATIONS MAY BE REQUIRED IN SOME LOCATIONS.
- ALL WORK WILL BE CONDUCTED IN ACCORDANCE WITH THE RELEVANT PORTIONS OF EVERSOURCE'S BMP MANUAL; CONNECTICUT CONSTRUCTION AND MAINTENANCE ENVIRONMENTAL REQUIREMENTS (BMP MANUAL), UNLESS MORE STRINGENT PROJECT-SPECIFIC MEASURES APPLY.
- ALL WORK WILL BE CONDUCTED IN ACCORDANCE WITH THE REQUIREMENTS OF REGULATORY APPROVALS FROM THE U.S. ARMY CORPS OF ENGINEERS AND THE CONNECTICUT DEPARTMENT OF ENERGY AND ENVIRONMENTAL PROTECTION, AND WITH ALL PROJECT PROTOCOLS.
- INSTALL ALL EROSION AND SEDIMENTATION CONTROL MEASURES AS SHOWN ON THE PLANS AND ELSEWHERE AS NECESSARY TO PREVENT SOIL EROSION AND SEDIMENT TRANSPORT, AND COMPLY WITH THE 2002 CONNECTICUT GUIDELINES FOR SOIL EROSION AND SEDIMENT CONTROL. ADDITIONAL CONTROLS, NOT DEPICTED ON THE PLANS, MAY BE NECESSARY FOR COMPLIANCE. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO ASSESS THE NEED FOR, AND INSTALL ADDITIONAL CONTROLS THAT ARE WARRANTED BY SITE CONDITIONS.
- RETAINING WALLS ARE DEPICTED IN SOME LOCATIONS. RETAINING WALLS MAY BE UTILIZED BY THE CONTRACTOR IN ORDER TO PROVIDE AN ADEQUATELY SIZED WORK PAD WHERE STEEP TOPOGRAPHY EXISTS THEREBY AVOIDING NON-COMPLIANT SLOPES PER THE 2002 CONNECTICUT GUIDELINES. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO DETERMINE THE NEED FOR, LOCATION OF, MEANS AND METHODS OF CONSTRUCTION, AND SAFETY MEASURES UTILIZED FOR RETAINING WALLS. RETAINING WALLS MAY BE REQUIRED IN ADDITIONAL LOCATIONS NOT DEPICTED ON THE PLANS.
- UPON COMPLETION OF CONSTRUCTION, IT IS THE CONTRACTOR'S RESPONSIBILITY TO REMOVE RETAINING WALLS, REGRADE, AND STABILIZE SLOPES IN COMPLIANCE WITH THE 2002 CONNECTICUT GUIDELINES.
- ALL TEMPORARY ACCESS ROADS IN UPLANDS ARE DEEMED TO BE PERMANENT UNLESS OTHERWISE NOTED
- EXISTING CULVERTS WILL BE PROTECTED AS DEEMED NECESSARY TO PREVENT DAMAGE DURING CONSTRUCTION
- WETLAND INVASIVE SPECIES CONTROL BMPs APPLY TO WORK WITHIN ALL WETLANDS WITH INVASIVE SPECIES. SEE DETAIL SHEET 2
- VERNAL POOL BMPs ARE REQUIRED WITHIN INDICATED AREAS AS DIRECTED BY THE ENVIRONMENTAL INSPECTOR. SEE DETAIL SHEET 3
- RARE SPECIES AVOIDANCE AND MINIMIZATION MEASURES ARE REQUIRED WITHIN INDICATED AREAS. SEE DETAIL SHEET 4
- FARMLAND PROTECTION MEASURES ARE REQUIRED WITHIN INDICATED AREAS. SEE DETAIL SHEET 5

WORK AREA BOUNDARIES IN / NEAR WETLANDS

- VEGETATION REMOVAL WILL OCCUR WITHIN THE VEGETATION REMOVAL LIMITS AS SHOWN, WITH TEMPORARY ACCESS ROUTES IN AND ACROSS WETLANDS AS NECESSARY UNLESS OTHERWISE NOTED. ADDITIONALLY, DANGER OR HAZARD TREE REMOVAL MAY BE REQUIRED OUTSIDE OF THE VEGETATION REMOVAL LIMITS.
- ALL PROJECT CONSTRUCTION ACTIVITIES IN WETLANDS (EXCLUDING VEGETATION REMOVAL) WILL BE CONTAINED WITHIN THE DEPICTED WORK PADS AND ACCESS ROADS.

STR #	DESCRIPTION	HEIGHT (FT)	FINISH	FOUNDATION
42	DELTA TANGENT	107	WEATHERING STEEL	DIRECT EMBEDDED
43	DELTA TANGENT	111.5	WEATHERING STEEL	DIRECT EMBEDDED
44	DELTA TANGENT	88	WEATHERING STEEL	DIRECT EMBEDDED



Legend

- Proposed Structure
- Structure to be Removed
- Existing Structure
- Existing Right-of-Way
- Proposed 115-kV Line (Centerline)
- Existing Transmission Line to be Removed
- 10' Contour Line
- 2' Contour Line
- Railroad
- Stonewall
- Fence
- Gate
- Tree Line
- Vegetation Removal Limits
- Limit of Disturbance
- Designated Recreation Trail
- Trail Points
- Work Pad
- Existing Access Road
- Existing Alternate Access Road
- New Access Road
- New Alternate Access Road
- New Temporary Access Road
- Proposed Substation Expansion
- Culvert (center)
- Intermittent Watercourse
- Perennial Watercourse
- Ordinary High Water Mark
- Wetland Boundary
- Wetland Area
- Connecticut Wetlands Only
- Temporary Wetland Impact
- Permanent Wetland Impact
- Rare Species
- Vernal Pool
- Decoy Vernal Pool
- Highly Erodible Soils
- 100 Year Flood Zone
- Eversource Owned Property
- Parcel Boundary
- Municipal Boundary
- REV 1 D&M Plan Revision Area
- Map Sheet Matchline
- Underground ADSS
- Temporary Structure
- Temporary Guy Anchor

Base Map Source: 2012 Aerial Imagery (CTECO) 0 50 100 Feet
1 inch = 100 feet

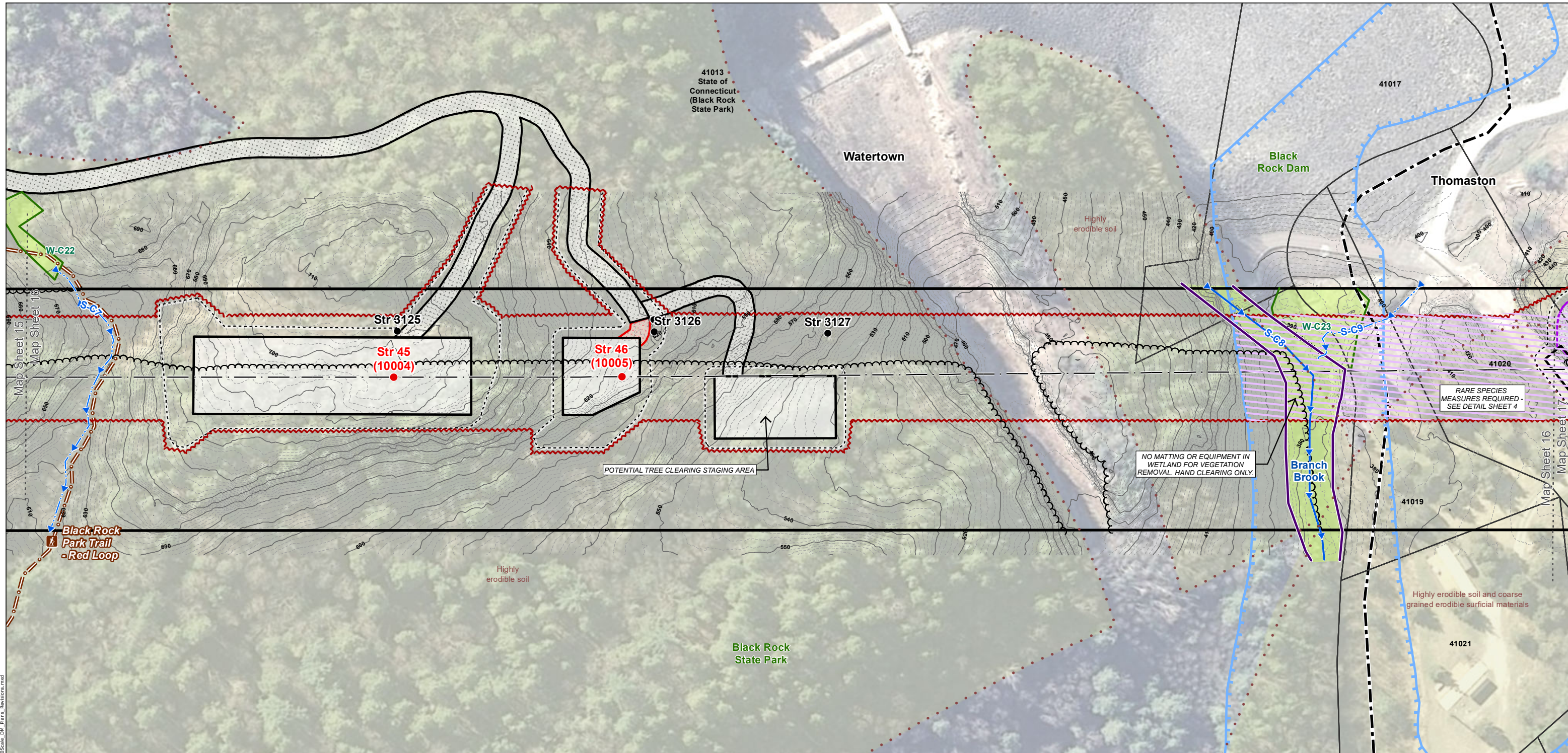
NO.	DATE	REVISIONS	BY	CHK	APP	APP

EVERSOURCE ENERGY

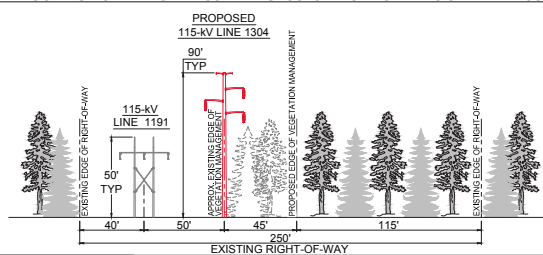
Frost Bridge to Campville 115-kV Project Development & Management Plan

Watertown, CT | Map Sheet 15 of 35
January 2017 | Map Author: N. Castro

Tighe & Bond | **ALL-POINTS TECHNOLOGY CORPORATION**



XS-3 VIEW LOOKING NORTH FROM FROST BRIDGE SUBSTATION TOWARDS CAMPVILLE SUBSTATION



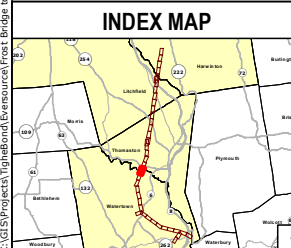
GENERAL NOTES

- PERMIT PLANS ONLY NOT FOR CONSTRUCTION
- THE LIMITS OF DISTURBANCE AS SHOWN DEFINE AREAS WHERE VEGETATION REMOVAL AND GRUBBING, GRADING, AND EXCAVATION MAY OCCUR. MINOR DEVIATIONS MAY BE REQUIRED IN SOME LOCATIONS.
- ALL WORK WILL BE CONDUCTED IN ACCORDANCE WITH THE RELEVANT PORTIONS OF EVERSOURCE'S BMP MANUAL: CONNECTICUT CONSTRUCTION AND MAINTENANCE ENVIRONMENTAL REQUIREMENTS (BMP MANUAL), UNLESS MORE STRINGENT PROJECT-SPECIFIC MEASURES APPLY.
- ALL WORK WILL BE CONDUCTED IN ACCORDANCE WITH THE REQUIREMENTS OF REGULATORY APPROVALS FROM THE U.S. ARMY CORPS OF ENGINEERS AND THE CONNECTICUT DEPARTMENT OF ENERGY AND ENVIRONMENTAL PROTECTION, AND WITH ALL PROJECT PROTOCOLS.
- INSTALL ALL EROSION AND SEDIMENTATION CONTROL MEASURES AS SHOWN ON THE PLANS AND ELSEWHERE AS NECESSARY TO PREVENT SOIL EROSION AND SEDIMENT CONTROL. ADDITIONAL CONTROLS, NOT DEPICTED ON THE PLANS, MAY BE NECESSARY FOR COMPLIANCE. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO ASSESS THE NEED FOR, AND INSTALL ADDITIONAL CONTROLS THAT ARE WARRANTED BY SITE CONDITIONS.
- RETAINING WALLS ARE DEPICTED IN SOME LOCATIONS. RETAINING WALLS MAY BE UTILIZED BY THE CONTRACTOR IN ORDER TO PROVIDE AN ADEQUATELY SIZED WORK PAD WHERE STEEP TOPOGRAPHY EXISTS THEREBY AVOIDING NON-COMPLIANT SLOPES PER THE 2002 CONNECTICUT GUIDELINES. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO DETERMINE THE NEED FOR, LOCATION OF, MEANS AND METHODS OF CONSTRUCTION, AND SAFETY MEASURES UTILIZED FOR RETAINING WALLS. RETAINING WALLS MAY BE REQUIRED IN ADDITIONAL LOCATIONS NOT DEPICTED ON THE PLANS.
- UPON COMPLETION OF CONSTRUCTION, IT IS THE CONTRACTOR'S RESPONSIBILITY TO REMOVE RETAINING WALLS, REGRADE, AND STABILIZE SLOPES IN COMPLIANCE WITH THE 2002 CONNECTICUT GUIDELINES.
- ALL TEMPORARY ACCESS ROADS IN UPLANDS ARE DEEMED TO BE PERMANENT UNLESS OTHERWISE NOTED
- EXISTING CULVERTS WILL BE PROTECTED AS DEEMED NECESSARY TO PREVENT DAMAGE DURING CONSTRUCTION
- WETLAND INVASIVE SPECIES CONTROL BMPs APPLY TO WORK WITHIN ALL WETLANDS WITH INVASIVE SPECIES. SEE DETAIL SHEET 2
- VERNAL POOL BMPs ARE REQUIRED WITHIN INDICATED AREAS AS DIRECTED BY THE ENVIRONMENTAL INSPECTOR. SEE DETAIL SHEET 3
- RARE SPECIES AVOIDANCE AND MINIMIZATION MEASURES ARE REQUIRED WITHIN INDICATED AREAS. SEE DETAIL SHEET 4
- FARMLAND PROTECTION MEASURES ARE REQUIRED WITHIN INDICATED AREAS. SEE DETAIL SHEET 5

WORK AREA BOUNDARIES IN / NEAR WETLANDS

- VEGETATION REMOVAL WILL OCCUR WITHIN THE VEGETATION REMOVAL LIMITS AS SHOWN, WITH TEMPORARY ACCESS ROUTES IN AND ACROSS WETLANDS AS NECESSARY UNLESS OTHERWISE NOTED. ADDITIONALLY, DANGER OR HAZARD TREE REMOVAL MAY BE REQUIRED OUTSIDE OF THE VEGETATION REMOVAL LIMITS.
- ALL PROJECT CONSTRUCTION ACTIVITIES IN WETLANDS (EXCLUDING VEGETATION REMOVAL) WILL BE CONTAINED WITHIN THE DEPICTED WORK PADS AND ACCESS ROADS.

STR #	DESCRIPTION	HEIGHT (FT)	FINISH	FOUNDATION
45	DELTA TANGENT	73.5	WEATHERING STEEL	DIRECT EMBEDDED
46	DELTA STRAIN	110	WEATHERING STEEL	DRILLED SHAFT



Legend

- Proposed Structure
- Structure to be Removed
- Existing Structure
- Existing Right-of-Way
- Proposed 115-kV Line (Centerline)
- Existing Transmission Line to be Removed
- 10' Contour Line
- 2' Contour Line
- Railroad
- Stonewall
- Fence
- Gate
- Tree Line
- Vegetation Removal Limits
- Limit of Disturbance
- Designated Recreation Trail
- Trail Points
- Work Pad
- Existing Access Road
- Existing Alternate Access Road
- New Access Road
- New Alternate Access Road
- New Temporary Access Road
- Proposed Substation Expansion
- Culvert (center)
- Intermittent Watercourse
- Perennial Watercourse
- Ordinary High Water Mark
- Wetland Boundary
- Wetland Area
- Connecticut Wetlands Only
- Temporary Wetland Impact
- Permanent Wetland Impact
- Rare Species
- Vernal Pool
- Decoy Vernal Pool
- Highly Erodible Soils
- 100 Year Flood Zone
- Eversource Owned Property
- Parcel Boundary
- Municipal Boundary
- REV 1 D&M Plan Revision Area
- Map Sheet Matchline
- Underground ADSS
- Temporary Structure
- Temporary Guy Anchor

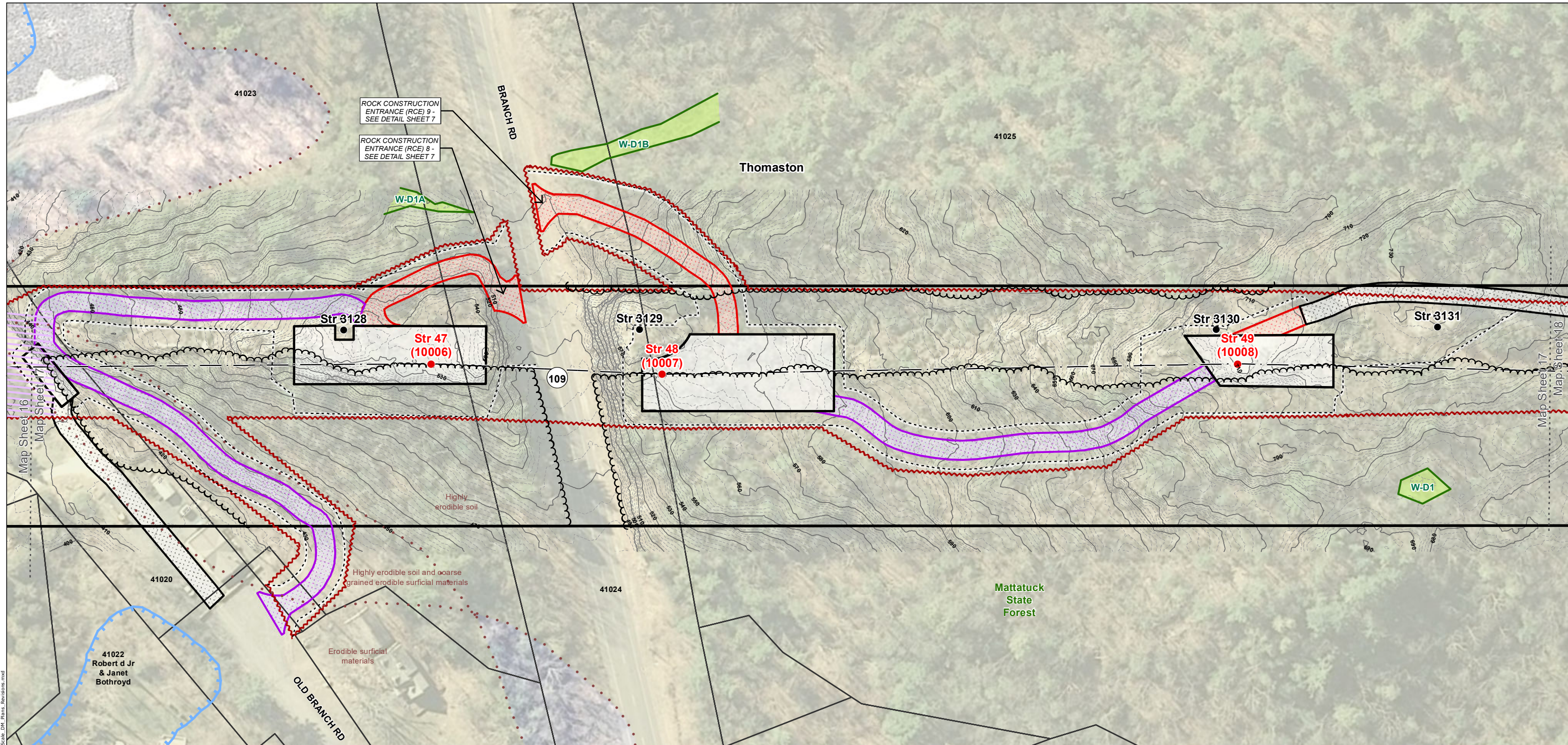
Base Map Source: 2012 Aerial Imagery (CTECO) 0 50 100 Feet
1 inch = 100 feet

NO.	DATE	REVISIONS	BY	CHK	APP	APP

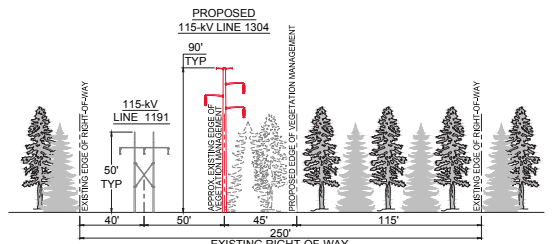
EVERSOURCE ENERGY
Frost Bridge to Campville 115-kV Project
Development & Management Plan

Watertown/Thomaston, CT | Map Sheet 16 of 35
 January 2017 | Map Author: N. Castro

Tighe & Bond | **ALL-POINTS TECHNOLOGY CORPORATION**



XS-3 VIEW LOOKING NORTH FROM FROST BRIDGE SUBSTATION TOWARDS CAMPVILLE SUBSTATION



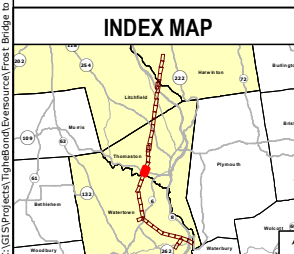
GENERAL NOTES

- PERMIT PLANS ONLY NOT FOR CONSTRUCTION
- THE LIMITS OF DISTURBANCE AS SHOWN DEFINE AREAS WHERE VEGETATION REMOVAL AND GRUBBING, GRADING, AND EXCAVATION MAY OCCUR. MINOR DEVIATIONS MAY BE REQUIRED IN SOME LOCATIONS.
- ALL WORK WILL BE CONDUCTED IN ACCORDANCE WITH THE RELEVANT PORTIONS OF EVERSOURCE'S BMP MANUAL: CONNECTICUT CONSTRUCTION AND MAINTENANCE ENVIRONMENTAL REQUIREMENTS (BMP MANUAL), UNLESS MORE STRINGENT PROJECT-SPECIFIC MEASURES APPLY.
- ALL WORK WILL BE CONDUCTED IN ACCORDANCE WITH THE REQUIREMENTS OF REGULATORY APPROVALS FROM THE U.S. ARMY CORPS OF ENGINEERS AND THE CONNECTICUT DEPARTMENT OF ENERGY AND ENVIRONMENTAL PROTECTION, AND WITH ALL PROJECT PROTOCOLS.
- INSTALL ALL EROSION AND SEDIMENTATION CONTROL MEASURES AS SHOWN ON THE PLANS AND ELSEWHERE AS NECESSARY TO PREVENT SOIL EROSION AND SEDIMENT TRANSPORT, AND COMPLY WITH THE 2002 CONNECTICUT GUIDELINES FOR SOIL EROSION AND SEDIMENT CONTROL. ADDITIONAL CONTROLS, NOT DEPICTED ON THE PLANS, MAY BE NECESSARY FOR COMPLIANCE. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO ASSESS THE NEED FOR, AND INSTALL ADDITIONAL CONTROLS THAT ARE WARRANTED BY SITE CONDITIONS.
- RETAINING WALLS ARE DEPICTED IN SOME LOCATIONS. RETAINING WALLS MAY BE UTILIZED BY THE CONTRACTOR IN ORDER TO PROVIDE AN ADEQUATELY SIZED WORK PAD WHERE STEEP TOPOGRAPHY EXISTS THEREBY AVOIDING NON-COMPLIANT SLOPES PER THE 2002 CONNECTICUT GUIDELINES. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO DETERMINE THE NEED FOR, LOCATION OF, MEANS AND METHODS OF CONSTRUCTION, AND SAFETY MEASURES UTILIZED FOR RETAINING WALLS. RETAINING WALLS MAY BE REQUIRED IN ADDITIONAL LOCATIONS NOT DEPICTED ON THE PLANS.
- UPON COMPLETION OF CONSTRUCTION, IT IS THE CONTRACTOR'S RESPONSIBILITY TO REMOVE RETAINING WALLS, REGRADE, AND STABILIZE SLOPES IN COMPLIANCE WITH THE 2002 CONNECTICUT GUIDELINES.
- ALL TEMPORARY ACCESS ROADS IN UPLANDS ARE DEEMED TO BE PERMANENT UNLESS OTHERWISE NOTED
- EXISTING CULVERTS WILL BE PROTECTED AS DEEMED NECESSARY TO PREVENT DAMAGE DURING CONSTRUCTION
- WETLAND INVASIVE SPECIES CONTROL BMPs APPLY TO WORK WITHIN ALL WETLANDS WITH INVASIVE SPECIES. SEE DETAIL SHEET 2
- VERNAL POOL BMPs ARE REQUIRED WITHIN INDICATED AREAS AS DIRECTED BY THE ENVIRONMENTAL INSPECTOR. SEE DETAIL SHEET 3
- RARE SPECIES AVOIDANCE AND MINIMIZATION MEASURES ARE REQUIRED WITHIN INDICATED AREAS. SEE DETAIL SHEET 4
- FARMLAND PROTECTION MEASURES ARE REQUIRED WITHIN INDICATED AREAS. SEE DETAIL SHEET 5

WORK AREA BOUNDARIES IN / NEAR WETLANDS

- VEGETATION REMOVAL WILL OCCUR WITHIN THE VEGETATION REMOVAL LIMITS AS SHOWN, WITH TEMPORARY ACCESS ROUTES IN AND ACROSS WETLANDS AS NECESSARY UNLESS OTHERWISE NOTED. ADDITIONALLY, DANGER OR HAZARD TREE REMOVAL MAY BE REQUIRED OUTSIDE OF THE VEGETATION REMOVAL LIMITS.
- ALL PROJECT CONSTRUCTION ACTIVITIES IN WETLANDS (EXCLUDING VEGETATION REMOVAL) WILL BE CONTAINED WITHIN THE DEPICTED WORK PADS AND ACCESS ROADS.

STR #	DESCRIPTION	HEIGHT (FT)	FINISH	FOUNDATION
47	VERTICAL STRAIN	100	WEATHERING STEEL	DRILLED SHAFT
48	DELTA STRAIN	85	WEATHERING STEEL	DRILLED SHAFT
49	VERTICAL STRAIN	95	WEATHERING STEEL	DRILLED SHAFT



Legend

- Proposed Structure
- Structure to be Removed
- Existing Structure
- Existing Right-of-Way
- Proposed 115-kV Line (Centerline)
- Existing Transmission Line to be Removed
- 10' Contour Line
- 2' Contour Line
- Railroad
- Stonewall
- Fence
- Gate
- Tree Line
- Vegetation Removal Limits
- Limit of Disturbance
- Designated Recreation Trail
- Trail Points
- Work Pad
- Existing Access Road
- Existing Alternate Access Road
- New Access Road
- New Alternate Access Road
- New Temporary Access Road
- Proposed Substation Expansion
- Culvert (center)
- Intermittent Watercourse
- Perennial Watercourse
- Ordinary High Water Mark
- Wetland Boundary
- Wetland Area
- Connecticut Wetlands Only
- Temporary Wetland Impact
- Permanent Wetland Impact
- Rare Species
- Vernal Pool
- Decoy Vernal Pool
- Highly Erodible Soils
- 100 Year Flood Zone
- Eversource Owned Property
- Parcel Boundary
- Municipal Boundary
- REV 1 D&M Plan Revision Area
- Map Sheet Matchline
- Underground ADSS
- Temporary Structure
- Temporary Guy Anchor

Base Map Source: 2012 Aerial Imagery (CTECO) 0

1 inch = 100 feet

0 50 100 Feet

NO.	DATE	REVISIONS	BY	CHK	APP	APP

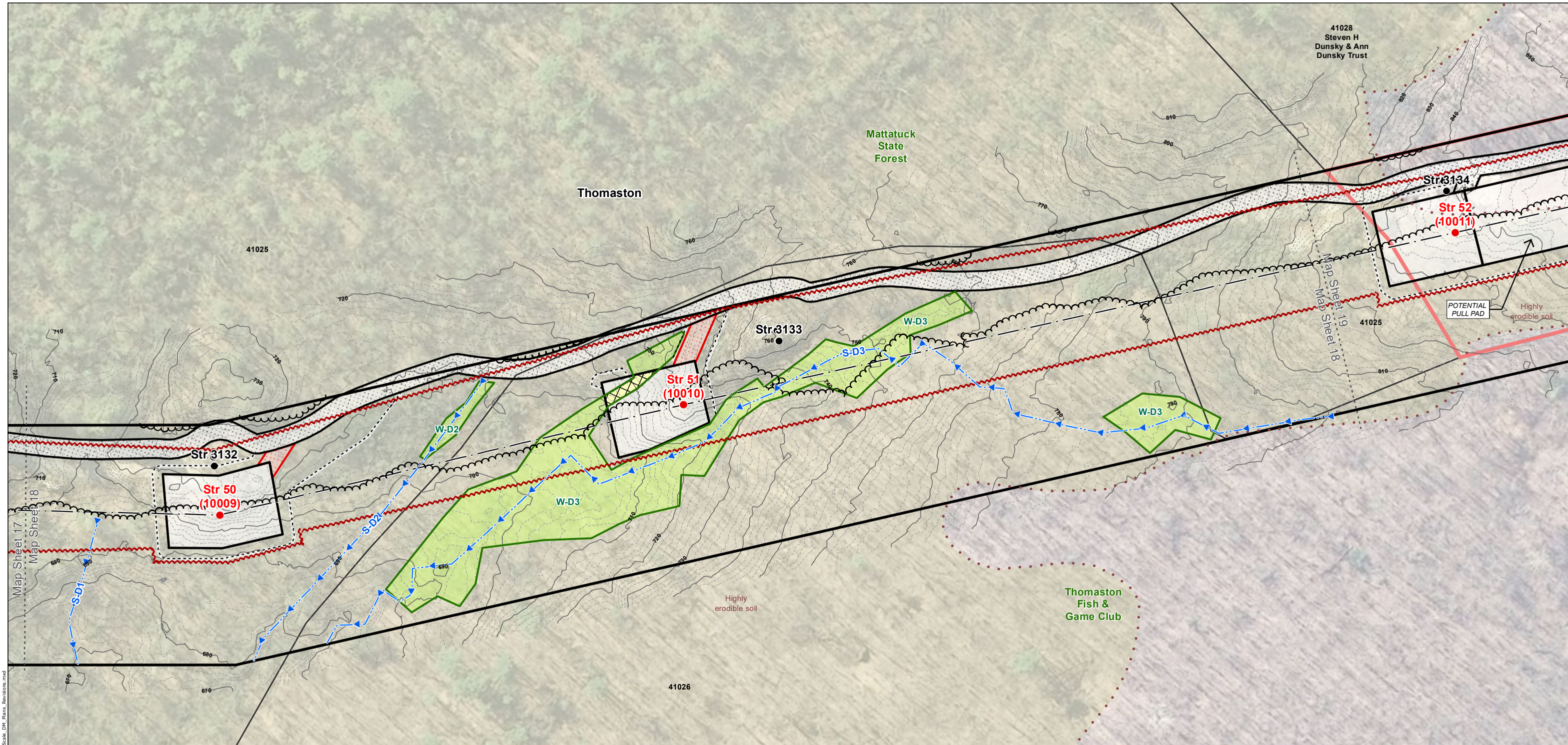
EVSOURCE ENERGY

Frost Bridge to Campville 115-kV Project Development & Management Plan

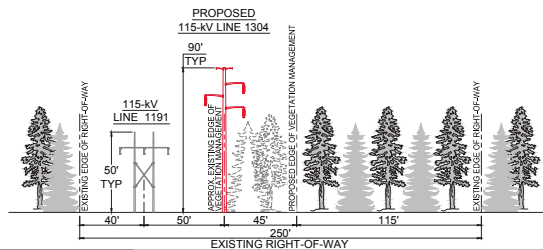
Thomaston, CT Map Sheet 17 of 35

January 2017 Map Author: N. Castro

Tighe & Bond ALL-POINTS TECHNOLOGY CORPORATION



XS-3 VIEW LOOKING NORTH FROM FROST BRIDGE SUBSTATION TOWARDS CAMPVILLE SUBSTATION



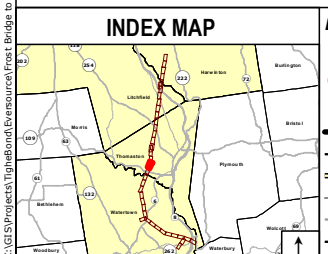
GENERAL NOTES

- PERMIT PLANS ONLY NOT FOR CONSTRUCTION
- THE LIMITS OF DISTURBANCE AS SHOWN DEFINE AREAS WHERE VEGETATION REMOVAL AND GRUBBING, GRADING, AND EXCAVATION MAY OCCUR. MINOR DEVIATIONS MAY BE REQUIRED IN SOME LOCATIONS.
- ALL WORK WILL BE CONDUCTED IN ACCORDANCE WITH THE RELEVANT PORTIONS OF EVERSOURCE'S BMP MANUAL: CONNECTICUT CONSTRUCTION AND MAINTENANCE ENVIRONMENTAL REQUIREMENTS (BMP MANUAL), UNLESS MORE STRINGENT PROJECT-SPECIFIC MEASURES APPLY.
- ALL WORK WILL BE CONDUCTED IN ACCORDANCE WITH THE REQUIREMENTS OF REGULATORY APPROVALS FROM THE U.S. ARMY CORPS OF ENGINEERS AND THE CONNECTICUT DEPARTMENT OF ENERGY AND ENVIRONMENTAL PROTECTION, AND WITH ALL PROJECT PROTOCOLS.
- INSTALL ALL EROSION AND SEDIMENTATION CONTROL MEASURES AS SHOWN ON THE PLANS AND ELSEWHERE AS NECESSARY TO PREVENT SOIL EROSION AND SEDIMENT TRANSPORT, AND COMPLY WITH THE 2002 CONNECTICUT GUIDELINES FOR SOIL EROSION AND SEDIMENT CONTROL. ADDITIONAL CONTROLS, NOT DEPICTED ON THE PLANS, MAY BE NECESSARY FOR COMPLIANCE. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO ASSESS THE NEED FOR, AND INSTALL ADDITIONAL CONTROLS THAT ARE WARRANTED BY SITE CONDITIONS.
- RETAINING WALLS ARE DEPICTED IN SOME LOCATIONS. RETAINING WALLS MAY BE UTILIZED BY THE CONTRACTOR IN ORDER TO PROVIDE AN ADEQUATELY SIZED WORK PAD WHERE STEEP TOPOGRAPHY EXISTS THEREBY AVOIDING NON-COMPLIANT SLOPES PER THE 2002 CONNECTICUT GUIDELINES. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO DETERMINE THE NEED FOR, LOCATION OF, MEANS AND METHODS OF CONSTRUCTION, AND SAFETY MEASURES UTILIZED FOR RETAINING WALLS. RETAINING WALLS MAY BE REQUIRED IN ADDITIONAL LOCATIONS NOT DEPICTED ON THE PLANS.
- UPON COMPLETION OF CONSTRUCTION, IT IS THE CONTRACTOR'S RESPONSIBILITY TO REMOVE RETAINING WALLS, REGRADE, AND STABILIZE SLOPES IN COMPLIANCE WITH THE 2002 CONNECTICUT GUIDELINES.
- ALL TEMPORARY ACCESS ROADS IN UPLANDS ARE DEEMED TO BE PERMANENT UNLESS OTHERWISE NOTED
- EXISTING CULVERTS WILL BE PROTECTED AS DEEMED NECESSARY TO PREVENT DAMAGE DURING CONSTRUCTION
- WETLAND INVASIVE SPECIES CONTROL BMPs APPLY TO WORK WITHIN ALL WETLANDS WITH INVASIVE SPECIES. SEE DETAIL SHEET 2
- VERNAL POOL BMPs ARE REQUIRED WITHIN INDICATED AREAS AS DIRECTED BY THE ENVIRONMENTAL INSPECTOR. SEE DETAIL SHEET 3
- RARE SPECIES AVOIDANCE AND MINIMIZATION MEASURES ARE REQUIRED WITHIN INDICATED AREAS. SEE DETAIL SHEET 4
- FARMLAND PROTECTION MEASURES ARE REQUIRED WITHIN INDICATED AREAS. SEE DETAIL SHEET 5

WORK AREA BOUNDARIES IN / NEAR WETLANDS

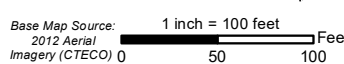
- VEGETATION REMOVAL WILL OCCUR WITHIN THE VEGETATION REMOVAL LIMITS AS SHOWN, WITH TEMPORARY ACCESS ROUTES IN AND ACROSS WETLANDS AS NECESSARY UNLESS OTHERWISE NOTED. ADDITIONALLY, DANGER OR HAZARD TREE REMOVAL MAY BE REQUIRED OUTSIDE OF THE VEGETATION REMOVAL LIMITS.
- ALL PROJECT CONSTRUCTION ACTIVITIES IN WETLANDS (EXCLUDING VEGETATION REMOVAL) WILL BE CONTAINED WITHIN THE DEPICTED WORK PADS AND ACCESS ROADS.

STR #	DESCRIPTION	HEIGHT (FT)	FINISH	FOUNDATION
50	VERTICAL RUNNING ANGLE	105	WEATHERING STEEL	DRILLED SHAFT
51	DELTA TANGENT	111.5	WEATHERING STEEL	DIRECT EMBEDDED
52	DELTA TANGENT	92.5	WEATHERING STEEL	DIRECT EMBEDDED



Legend

- Proposed Structure
- Structure to be Removed
- Existing Structure
- Existing Right-of-Way
- Proposed 115-kV Line (Centerline)
- Existing Transmission Line to be Removed
- 10' Contour Line
- 2' Contour Line
- Railroad
- Stonewall
- Fence
- Gate
- Tree Line
- Vegetation Removal Limits
- Limit of Disturbance
- Designated Recreation Trail
- Trail Points
- Work Pad
- Existing Access Road
- Existing Alternate Access Road
- New Access Road
- New Alternate Access Road
- New Temporary Access Road
- Proposed Substation Expansion
- Culvert (center)
- Intermittent Watercourse
- Perennial Watercourse
- Ordinary High Water Mark
- Wetland Boundary
- Wetland Area
- Connecticut Wetlands Only
- Temporary Wetland Impact
- Permanent Wetland Impact
- Rare Species
- Vernal Pool
- Decoy Vernal Pool
- Highly Erodible Soils
- 100 Year Flood Zone
- Eversource Owned Property
- Parcel Boundary
- Municipal Boundary
- REV 1 D&M Plan Revision Area
- Map Sheet Matchline
- Underground ADSS
- Temporary Structure
- Temporary Guy Anchor



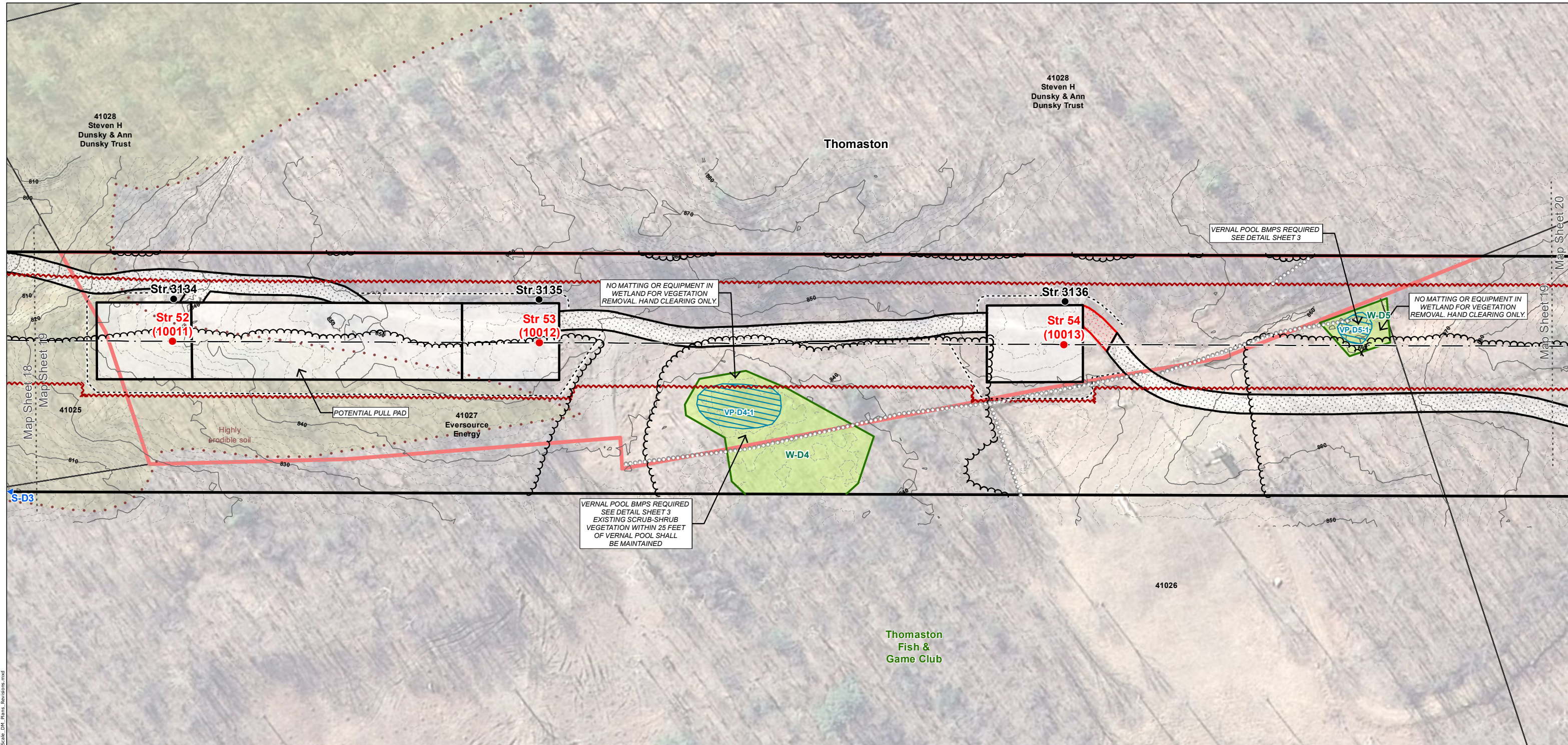
EVERSOURCE ENERGY

Frost Bridge to Campville 115-kV Project

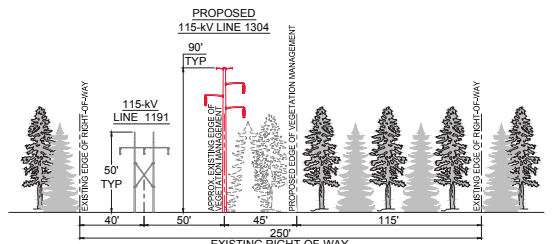
Development & Management Plan

Thomaston, CT		Map Sheet 18 of 35	
January 2017		Map Author: N. Castro	

NO.	DATE	REVISIONS	BY	CHK	APP	APP



XS-3 VIEW LOOKING NORTH FROM FROST BRIDGE SUBSTATION TOWARDS CAMPVILLE SUBSTATION



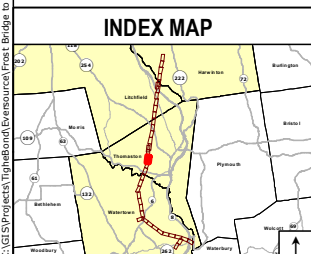
GENERAL NOTES

1. PERMIT PLANS ONLY NOT FOR CONSTRUCTION
2. THE LIMITS OF DISTURBANCE AS SHOWN DEFINE AREAS WHERE VEGETATION REMOVAL AND GRUBBING, GRADING, AND EXCAVATION MAY OCCUR. MINOR DEVIATIONS MAY BE REQUIRED IN SOME LOCATIONS.
3. ALL WORK WILL BE CONDUCTED IN ACCORDANCE WITH THE RELEVANT PORTIONS OF EVERSOURCES BMP MANUAL: CONNECTICUT CONSTRUCTION AND MAINTENANCE ENVIRONMENTAL REQUIREMENTS (BMP MANUAL), UNLESS MORE STRINGENT PROJECT-SPECIFIC MEASURES APPLY.
4. ALL WORK WILL BE CONDUCTED IN ACCORDANCE WITH THE REQUIREMENTS OF REGULATORY APPROVALS FROM THE U.S. ARMY CORPS OF ENGINEERS AND THE CONNECTICUT DEPARTMENT OF ENERGY AND ENVIRONMENTAL PROTECTION, AND WITH ALL PROJECT PROTOCOLS.
5. INSTALL ALL EROSION AND SEDIMENTATION CONTROL MEASURES AS SHOWN ON THE PLANS AND ELSEWHERE AS NECESSARY TO PREVENT SOIL EROSION AND SEDIMENT TRANSPORT, AND COMPLY WITH THE 2002 CONNECTICUT GUIDELINES FOR SOIL EROSION AND SEDIMENT CONTROL. ADDITIONAL CONTROLS, NOT DEPICTED ON THE PLANS, MAY BE NECESSARY FOR COMPLIANCE. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO ASSESS THE NEED FOR, AND INSTALL ADDITIONAL CONTROLS THAT ARE WARRANTED BY SITE CONDITIONS.
6. RETAINING WALLS ARE DEPICTED IN SOME LOCATIONS. RETAINING WALLS MAY BE UTILIZED BY THE CONTRACTOR IN ORDER TO PROVIDE AN ADEQUATELY SIZED WORK PAD WHERE STEEP TOPOGRAPHY EXISTS THEREBY AVOIDING NON-COMPLIANT SLOPES PER THE 2002 CONNECTICUT GUIDELINES. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO DETERMINE THE NEED FOR, LOCATION OF, MEANS AND METHODS OF CONSTRUCTION, AND SAFETY MEASURES UTILIZED FOR RETAINING WALLS. RETAINING WALLS MAY BE REQUIRED IN ADDITIONAL LOCATIONS NOT DEPICTED ON THE PLANS.
7. UPON COMPLETION OF CONSTRUCTION, IT IS THE CONTRACTOR'S RESPONSIBILITY TO REMOVE RETAINING WALLS, REGRADE, AND STABILIZE SLOPES IN COMPLIANCE WITH THE 2002 CONNECTICUT GUIDELINES.
8. ALL TEMPORARY ACCESS ROADS IN UPLANDS ARE DEEMED TO BE PERMANENT UNLESS OTHERWISE NOTED
9. EXISTING CULVERTS WILL BE PROTECTED AS DEEMED NECESSARY TO PREVENT DAMAGE DURING CONSTRUCTION
10. WETLAND INVASIVE SPECIES CONTROL BMPS APPLY TO WORK WITHIN ALL WETLANDS WITH INVASIVE SPECIES. SEE DETAIL SHEET 2
11. VERNAL POOL BMPS ARE REQUIRED WITHIN INDICATED AREAS AS DIRECTED BY THE ENVIRONMENTAL INSPECTOR. SEE DETAIL SHEET 3
12. RARE SPECIES AVOIDANCE AND MINIMIZATION MEASURES ARE REQUIRED WITHIN INDICATED AREAS. SEE DETAIL SHEET 4
13. FARMLAND PROTECTION MEASURES ARE REQUIRED WITHIN INDICATED AREAS. SEE DETAIL SHEET 5

WORK AREA BOUNDARIES IN / NEAR WETLANDS

1. VEGETATION REMOVAL WILL OCCUR WITHIN THE VEGETATION REMOVAL LIMITS AS SHOWN, WITH TEMPORARY ACCESS ROUTES IN AND ACROSS WETLANDS AS NECESSARY UNLESS OTHERWISE NOTED. ADDITIONALLY, DANGER OR HAZARD TREE REMOVAL MAY BE REQUIRED OUTSIDE OF THE VEGETATION REMOVAL LIMITS
2. ALL PROJECT CONSTRUCTION ACTIVITIES IN WETLANDS (EXCLUDING VEGETATION REMOVAL) WILL BE CONTAINED WITHIN THE DEPICTED WORK PADS AND ACCESS ROADS.

STR #	DESCRIPTION	HEIGHT (FT)	FINISH	FOUNDATION
52	DELTA TANGENT	92.5	WEATHERING STEEL	DIRECT EMBEDDED
53	DELTA TANGENT	69.5	WEATHERING STEEL	DIRECT EMBEDDED
54	DELTA TANGENT	88	WEATHERING STEEL	DIRECT EMBEDDED



Legend

- Proposed Structure
- Structure to be Removed
- Existing Structure
- Existing Right-of-Way
- Proposed 115-kV Line (Centerline)
- Existing Transmission Line to be Removed
- 10' Contour Line
- 2' Contour Line
- Railroad
- Stonewall
- Fence
- Gate
- Tree Line
- Vegetation Removal Limits
- Limit of Disturbance
- Designated Recreation Trail
- Trail Points
- Work Pad
- Existing Access Road
- Existing Alternate Access Road
- New Access Road
- New Alternate Access Road
- New Temporary Access Road
- Proposed Substation Expansion
- Culvert (center)
- Intermittent Watercourse
- Perennial Watercourse
- Ordinary High Water Mark
- Wetland Boundary
- Wetland Area
- Connecticut Wetlands Only
- Temporary Wetland Impact
- Permanent Wetland Impact
- Rare Species
- Vernal Pool
- Decoy Vernal Pool
- Highly Erodible Soils
- 100 Year Flood Zone
- Eversource Owned Property
- Parcel Boundary
- Municipal Boundary
- REV 1 D&M Plan Revision Area
- Map Sheet Matchline
- Underground ADSS
- Temporary Structure
- Temporary Guy Anchor

Base Map Source: 2012 Aerial Imagery (CTECO) 0
 1 inch = 100 feet
 50 100 Feet

NO.	DATE	REVISIONS	BY	CHK	APP	APP

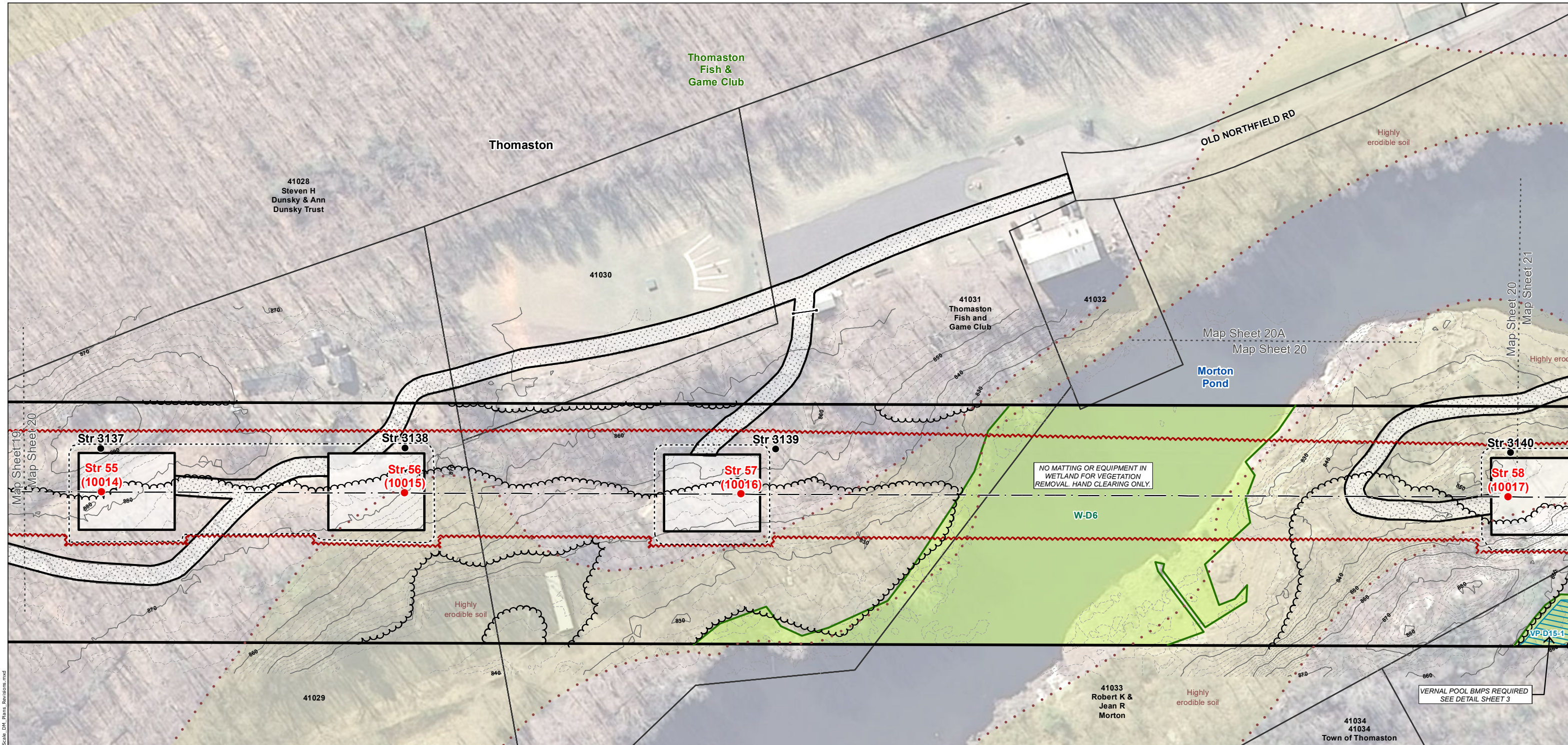
EVSOURCE ENERGY

Frost Bridge to Campville 115-kV Project Development & Management Plan

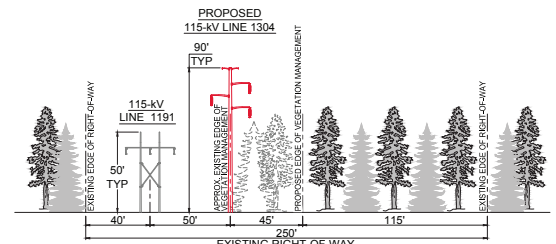
Thomaston, CT Map Sheet 19 of 35

January 2017 Map Author: N. Castro

Tighe & Bond ALL-POINTS TECHNOLOGY CORPORATION



XS-3 VIEW LOOKING NORTH FROM FROST BRIDGE SUBSTATION TOWARDS CAMPVILLE SUBSTATION



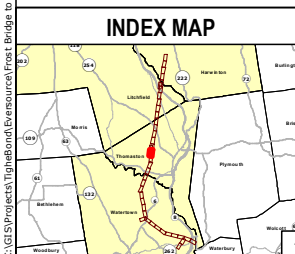
GENERAL NOTES

- PERMIT PLANS ONLY NOT FOR CONSTRUCTION
- THE LIMITS OF DISTURBANCE AS SHOWN DEFINE AREAS WHERE VEGETATION REMOVAL AND GRUBBING, GRADING, AND EXCAVATION MAY OCCUR. MINOR DEVIATIONS MAY BE REQUIRED IN SOME LOCATIONS.
- ALL WORK WILL BE CONDUCTED IN ACCORDANCE WITH THE RELEVANT PORTIONS OF EVERSOURCE'S BMP MANUAL: CONNECTICUT CONSTRUCTION AND MAINTENANCE ENVIRONMENTAL REQUIREMENTS (BMP MANUAL), UNLESS MORE STRINGENT PROJECT-SPECIFIC MEASURES APPLY.
- ALL WORK WILL BE CONDUCTED IN ACCORDANCE WITH THE REQUIREMENTS OF REGULATORY APPROVALS FROM THE U.S. ARMY CORPS OF ENGINEERS AND THE CONNECTICUT DEPARTMENT OF ENERGY AND ENVIRONMENTAL PROTECTION, AND WITH ALL PROJECT PROTOCOLS.
- INSTALL ALL EROSION AND SEDIMENTATION CONTROL MEASURES AS SHOWN ON THE PLANS AND ELSEWHERE AS NECESSARY TO PREVENT SOIL EROSION AND SEDIMENT CONTROL. ADDITIONAL CONTROLS, NOT DEPICTED ON THE PLANS, MAY BE NECESSARY FOR COMPLIANCE. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO ASSESS THE NEED FOR, AND INSTALL ADDITIONAL CONTROLS THAT ARE WARRANTED BY SITE CONDITIONS.
- RETAINING WALLS ARE DEPICTED IN SOME LOCATIONS. RETAINING WALLS MAY BE UTILIZED BY THE CONTRACTOR IN ORDER TO PROVIDE AN ADEQUATELY SIZED WORK PAD WHERE STEEP TOPOGRAPHY EXISTS THEREBY AVOIDING NON-COMPLIANT SLOPES PER THE 2002 CONNECTICUT GUIDELINES. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO DETERMINE THE NEED FOR, LOCATION OF, MEANS AND METHODS OF CONSTRUCTION, AND SAFETY MEASURES UTILIZED FOR RETAINING WALLS. RETAINING WALLS MAY BE REQUIRED IN ADDITIONAL LOCATIONS NOT DEPICTED ON THE PLANS.
- UPON COMPLETION OF CONSTRUCTION, IT IS THE CONTRACTOR'S RESPONSIBILITY TO REMOVE RETAINING WALLS, REGRADE, AND STABILIZE SLOPES IN COMPLIANCE WITH THE 2002 CONNECTICUT GUIDELINES.
- ALL TEMPORARY ACCESS ROADS IN UPLANDS ARE DEEMED TO BE PERMANENT UNLESS OTHERWISE NOTED
- EXISTING CULVERTS WILL BE PROTECTED AS DEEMED NECESSARY TO PREVENT DAMAGE DURING CONSTRUCTION
- WETLAND INVASIVE SPECIES CONTROL BMPs APPLY TO WORK WITHIN ALL WETLANDS WITH INVASIVE SPECIES. SEE DETAIL SHEET 2
- VERNAL POOL BMPs ARE REQUIRED WITHIN INDICATED AREAS AS DIRECTED BY THE ENVIRONMENTAL INSPECTOR. SEE DETAIL SHEET 3
- RARE SPECIES AVOIDANCE AND MINIMIZATION MEASURES ARE REQUIRED WITHIN INDICATED AREAS. SEE DETAIL SHEET 4
- FARMLAND PROTECTION MEASURES ARE REQUIRED WITHIN INDICATED AREAS. SEE DETAIL SHEET 5

WORK AREA BOUNDARIES IN / NEAR WETLANDS

- VEGETATION REMOVAL WILL OCCUR WITHIN THE VEGETATION REMOVAL LIMITS AS SHOWN, WITH TEMPORARY ACCESS ROUTES IN AND ACROSS WETLANDS AS NECESSARY UNLESS OTHERWISE NOTED. ADDITIONALLY, DANGER OR HAZARD TREE REMOVAL MAY BE REQUIRED OUTSIDE OF THE VEGETATION REMOVAL LIMITS.
- ALL PROJECT CONSTRUCTION ACTIVITIES IN WETLANDS (EXCLUDING VEGETATION REMOVAL) WILL BE CONTAINED WITHIN THE DEPICTED WORK PADS AND ACCESS ROADS.

STR #	DESCRIPTION	HEIGHT (FT)	FINISH	FOUNDATION
55	DELTA TANGENT	88	WEATHERING STEEL	DIRECT EMBEDDED
56	DELTA TANGENT	73.5	WEATHERING STEEL	DIRECT EMBEDDED
57	DELTA TANGENT	88	WEATHERING STEEL	DIRECT EMBEDDED
58	DELTA TANGENT	102	WEATHERING STEEL	DIRECT EMBEDDED



Legend

- Proposed Structure
- Structure to be Removed
- Existing Structure
- Existing Right-of-Way
- Proposed 115-kV Line (Centerline)
- Existing Transmission Line to be Removed
- 10' Contour Line
- 2' Contour Line
- Railroad
- Stonewall
- Fence
- Gate
- Tree Line
- Vegetation Removal Limits
- Limit of Disturbance
- Designated Recreation Trail
- Trail Points
- Work Pad
- Existing Access Road
- Existing Alternate Access Road
- New Access Road
- New Alternate Access Road
- New Temporary Access Road
- Proposed Substation Expansion
- Culvert (center)
- Intermittent Watercourse
- Perennial Watercourse
- Ordinary High Water Mark
- Wetland Boundary
- Wetland Area
- Connecticut Wetlands Only
- Temporary Wetland Impact
- Permanent Wetland Impact
- Rare Species
- Vernal Pool
- Decoy Vernal Pool
- Highly Erodible Soils
- 100 Year Flood Zone
- Eversource Owned Property
- Parcel Boundary
- Municipal Boundary
- REV 1 D&M Plan Revision Area
- Map Sheet Matchline
- Underground ADSS
- Temporary Structure
- Temporary Guy Anchor

Base Map Source: 2012 Aerial Imagery (CTECO) 0 50 100 Feet
1 inch = 100 feet

NO.	DATE	REVISIONS	BY	CHK	APP	APP

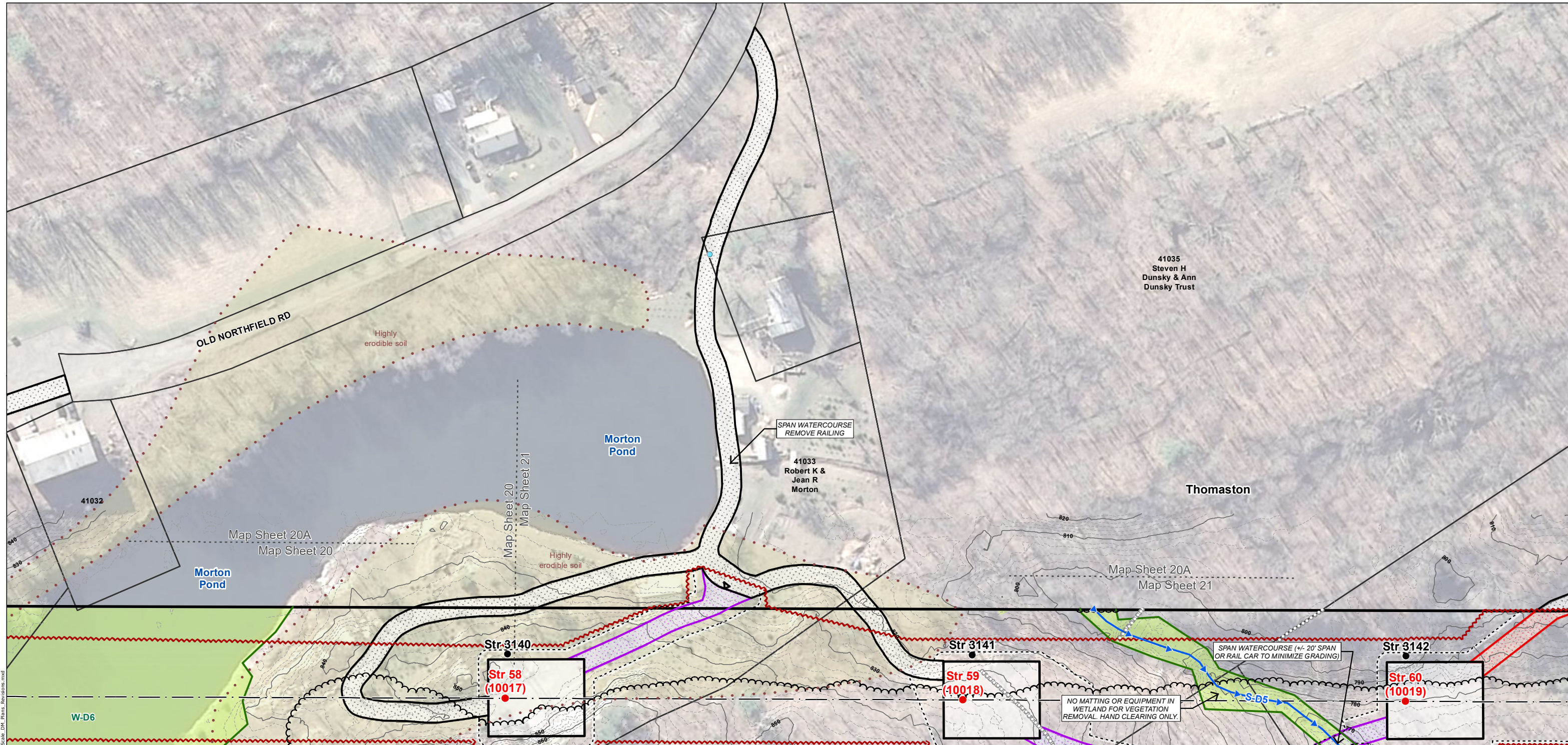
EVERSOURCE ENERGY

Frost Bridge to Campville 115-kV Project Development & Management Plan

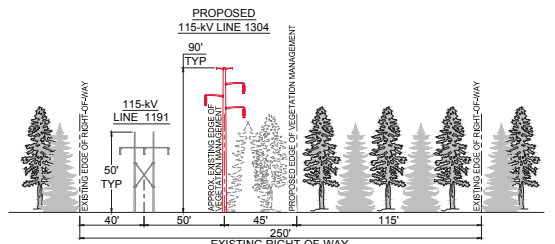
Thomaston, CT Map Sheet 20 of 35

January 2017 Map Author: N. Castro

Tighe & Bond ALL-POINTS TECHNOLOGY CORPORATION

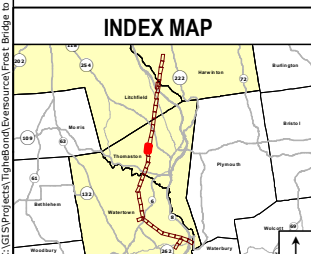


XS-3 VIEW LOOKING NORTH FROM FROST BRIDGE SUBSTATION TOWARDS CAMPVILLE SUBSTATION



- GENERAL NOTES**
- PERMIT PLANS ONLY NOT FOR CONSTRUCTION
 - THE LIMITS OF DISTURBANCE AS SHOWN DEFINE AREAS WHERE VEGETATION REMOVAL AND GRUBBING, GRADING, AND EXCAVATION MAY OCCUR. MINOR DEVIATIONS MAY BE REQUIRED IN SOME LOCATIONS.
 - ALL WORK WILL BE CONDUCTED IN ACCORDANCE WITH THE RELEVANT PORTIONS OF EVERSOURCE'S BMP MANUAL: CONNECTICUT CONSTRUCTION AND MAINTENANCE ENVIRONMENTAL REQUIREMENTS (BMP MANUAL), UNLESS MORE STRINGENT PROJECT-SPECIFIC MEASURES APPLY.
 - ALL WORK WILL BE CONDUCTED IN ACCORDANCE WITH THE REQUIREMENTS OF REGULATORY APPROVALS FROM THE U.S. ARMY CORPS OF ENGINEERS AND THE CONNECTICUT DEPARTMENT OF ENERGY AND ENVIRONMENTAL PROTECTION, AND WITH ALL PROJECT PROTOCOLS.
 - INSTALL ALL EROSION AND SEDIMENTATION CONTROL MEASURES AS SHOWN ON THE PLANS AND ELSEWHERE AS NECESSARY TO PREVENT SOIL EROSION AND SEDIMENT TRANSPORT, AND COMPLY WITH THE 2002 CONNECTICUT GUIDELINES FOR SOIL EROSION AND SEDIMENT CONTROL. ADDITIONAL CONTROLS, NOT DEPICTED ON THE PLANS, MAY BE NECESSARY FOR COMPLIANCE. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO ASSESS THE NEED FOR, AND INSTALL ADDITIONAL CONTROLS THAT ARE WARRANTED BY SITE CONDITIONS.
 - RETAINING WALLS ARE DEPICTED IN SOME LOCATIONS. RETAINING WALLS MAY BE UTILIZED BY THE CONTRACTOR IN ORDER TO PROVIDE AN ADEQUATELY SIZED WORK PAD WHERE STEEP TOPOGRAPHY EXISTS THEREBY AVOIDING NON-COMPLIANT SLOPES PER THE 2002 CONNECTICUT GUIDELINES. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO DETERMINE THE NEED FOR, LOCATION OF, MEANS AND METHODS OF CONSTRUCTION, AND SAFETY MEASURES UTILIZED FOR RETAINING WALLS. RETAINING WALLS MAY BE REQUIRED IN ADDITIONAL LOCATIONS NOT DEPICTED ON THE PLANS.
 - UPON COMPLETION OF CONSTRUCTION, IT IS THE CONTRACTOR'S RESPONSIBILITY TO REMOVE RETAINING WALLS, REGRADE, AND STABILIZE SLOPES IN COMPLIANCE WITH THE 2002 CONNECTICUT GUIDELINES.
 - ALL TEMPORARY ACCESS ROADS IN UPLANDS ARE DEEMED TO BE PERMANENT UNLESS OTHERWISE NOTED
 - EXISTING CULVERTS WILL BE PROTECTED AS DEEMED NECESSARY TO PREVENT DAMAGE DURING CONSTRUCTION
 - WETLAND INVASIVE SPECIES CONTROL BMPs APPLY TO WORK WITHIN ALL WETLANDS WITH INVASIVE SPECIES. SEE DETAIL SHEET 2
 - VERNAL POOL BMPs ARE REQUIRED WITHIN INDICATED AREAS AS DIRECTED BY THE ENVIRONMENTAL INSPECTOR. SEE DETAIL SHEET 3
 - RARE SPECIES AVOIDANCE AND MINIMIZATION MEASURES ARE REQUIRED WITHIN INDICATED AREAS. SEE DETAIL SHEET 4
 - FARMLAND PROTECTION MEASURES ARE REQUIRED WITHIN INDICATED AREAS. SEE DETAIL SHEET 5
- WORK AREA BOUNDARIES IN / NEAR WETLANDS**
- VEGETATION REMOVAL WILL OCCUR WITHIN THE VEGETATION REMOVAL LIMITS AS SHOWN, WITH TEMPORARY ACCESS ROUTES IN AND ACROSS WETLANDS AS NECESSARY UNLESS OTHERWISE NOTED. ADDITIONALLY, DANGER OR HAZARD TREE REMOVAL MAY BE REQUIRED OUTSIDE OF THE VEGETATION REMOVAL LIMITS.
 - ALL PROJECT CONSTRUCTION ACTIVITIES IN WETLANDS (EXCLUDING VEGETATION REMOVAL) WILL BE CONTAINED WITHIN THE DEPICTED WORK PADS AND ACCESS ROADS.

STR #	DESCRIPTION	HEIGHT (FT)	FINISH	FOUNDATION
58	DELTA TANGENT	102	WEATHERING STEEL	DIRECT EMBEDDED
59	DELTA TANGENT	92.5	WEATHERING STEEL	DIRECT EMBEDDED
60	DELTA TANGENT	102	WEATHERING STEEL	DIRECT EMBEDDED



- Legend**
- Proposed Structure
 - Structure to be Removed
 - Existing Structure
 - Existing Right-of-Way
 - Proposed 115-kV Line (Centerline)
 - Existing Transmission Line to be Removed
 - 10' Contour Line
 - 2' Contour Line
 - Railroad
 - Stonewall
 - Fence
 - Gate
 - Tree Line
 - Vegetation Removal Limits
 - Limit of Disturbance
 - Designated Recreation Trail
 - Trail Points
 - Work Pad
 - Existing Access Road
 - Existing Alternate Access Road
 - New Access Road
 - New Alternate Access Road
 - New Temporary Access Road
 - Proposed Substation Expansion
 - Culvert (center)
 - Intermittent Watercourse
 - Perennial Watercourse
 - Ordinary High Water Mark
 - Wetland Boundary
 - Wetland Area
 - Connecticut Wetlands Only
 - Temporary Wetland Impact
 - Permanent Wetland Impact
 - Rare Species
 - Vernal Pool
 - Decoy Vernal Pool
 - Highly Erodible Soils
 - 100 Year Flood Zone
 - Eversource Owned Property
 - Parcel Boundary
 - Municipal Boundary
 - REV 1 D&M Plan Revision Area
 - Map Sheet Matchline
 - Underground ADSS
 - Temporary Structure
 - Temporary Guy Anchor

Base Map Source: 2012 Aerial Imagery (CTECO) 0 50 100 Feet
1 inch = 100 feet

NO.	DATE	REVISIONS	BY	CHK	APP	APP

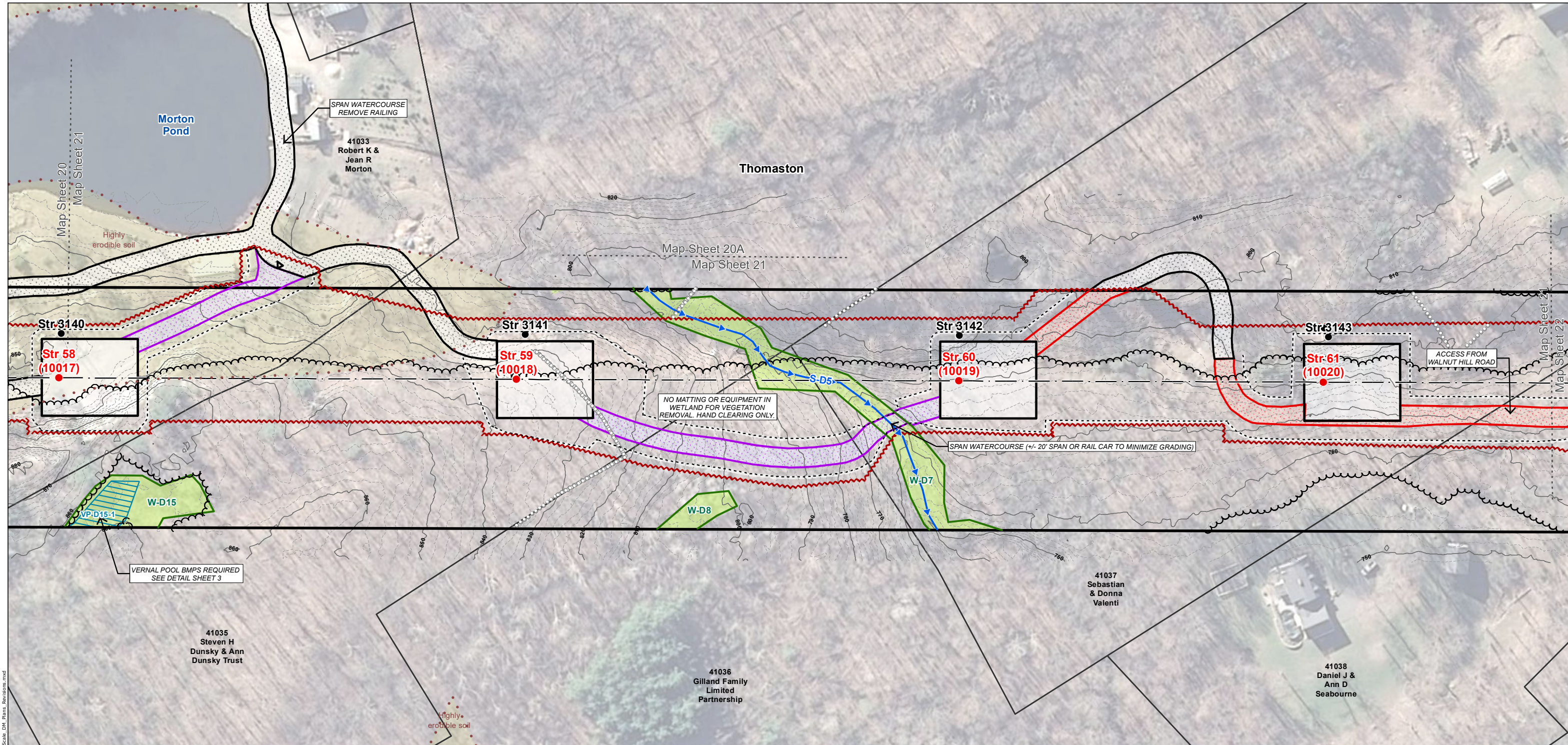
EVERSOURCE ENERGY

Frost Bridge to Campville 115-kV Project Development & Management Plan

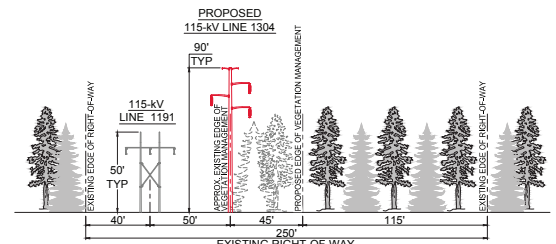
Thomaston, CT Map Sheet 20A of 35

January 2017 Map Author: N. Castro

Tighe & Bond ALL-POINTS TECHNOLOGY CORPORATION



XS-3 VIEW LOOKING NORTH FROM FROST BRIDGE SUBSTATION TOWARDS CAMPVILLE SUBSTATION



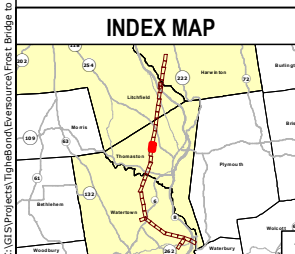
GENERAL NOTES

1. PERMIT PLANS ONLY NOT FOR CONSTRUCTION
2. THE LIMITS OF DISTURBANCE AS SHOWN DEFINE AREAS WHERE VEGETATION REMOVAL AND GRUBBING, GRADING, AND EXCAVATION MAY OCCUR. MINOR DEVIATIONS MAY BE REQUIRED IN SOME LOCATIONS.
3. ALL WORK WILL BE CONDUCTED IN ACCORDANCE WITH THE RELEVANT PORTIONS OF EVERSOURCE'S BMP MANUAL: CONNECTICUT CONSTRUCTION AND MAINTENANCE ENVIRONMENTAL REQUIREMENTS (BMP MANUAL), UNLESS MORE STRINGENT PROJECT-SPECIFIC MEASURES APPLY.
4. ALL WORK WILL BE CONDUCTED IN ACCORDANCE WITH THE REQUIREMENTS OF REGULATORY APPROVALS FROM THE U.S. ARMY CORPS OF ENGINEERS AND THE CONNECTICUT DEPARTMENT OF ENERGY AND ENVIRONMENTAL PROTECTION, AND WITH ALL PROJECT PROTOCOLS.
5. INSTALL ALL EROSION AND SEDIMENTATION CONTROL MEASURES AS SHOWN ON THE PLANS AND ELSEWHERE AS NECESSARY TO PREVENT SOIL EROSION AND SEDIMENT TRANSPORT, AND COMPLY WITH THE 2002 CONNECTICUT GUIDELINES FOR SOIL EROSION AND SEDIMENT CONTROL. ADDITIONAL CONTROLS, NOT DEPICTED ON THE PLANS, MAY BE NECESSARY FOR COMPLIANCE. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO ASSESS THE NEED FOR, AND INSTALL ADDITIONAL CONTROLS THAT ARE WARRANTED BY SITE CONDITIONS.
6. RETAINING WALLS ARE DEPICTED IN SOME LOCATIONS. RETAINING WALLS MAY BE UTILIZED BY THE CONTRACTOR IN ORDER TO PROVIDE AN ADEQUATELY SIZED WORK PAD WHERE STEEP TOPOGRAPHY EXISTS THEREBY AVOIDING NON-COMPLIANT SLOPES PER THE 2002 CONNECTICUT GUIDELINES. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO DETERMINE THE NEED FOR, LOCATION OF, MEANS AND METHODS OF CONSTRUCTION, AND SAFETY MEASURES UTILIZED FOR RETAINING WALLS. RETAINING WALLS MAY BE REQUIRED IN ADDITIONAL LOCATIONS NOT DEPICTED ON THE PLANS.
7. UPON COMPLETION OF CONSTRUCTION, IT IS THE CONTRACTOR'S RESPONSIBILITY TO REMOVE RETAINING WALLS, REGRADE, AND STABILIZE SLOPES IN COMPLIANCE WITH THE 2002 CONNECTICUT GUIDELINES.
8. ALL TEMPORARY ACCESS ROADS IN UPLANDS ARE DEEMED TO BE PERMANENT UNLESS OTHERWISE NOTED
9. EXISTING CULVERTS WILL BE PROTECTED AS DEEMED NECESSARY TO PREVENT DAMAGE DURING CONSTRUCTION
10. WETLAND INVASIVE SPECIES CONTROL BMPs APPLY TO WORK WITHIN ALL WETLANDS WITH INVASIVE SPECIES. SEE DETAIL SHEET 2
11. VERNAL POOL BMPs ARE REQUIRED WITHIN INDICATED AREAS AS DIRECTED BY THE ENVIRONMENTAL INSPECTOR. SEE DETAIL SHEET 3
12. RARE SPECIES AVOIDANCE AND MINIMIZATION MEASURES ARE REQUIRED WITHIN INDICATED AREAS. SEE DETAIL SHEET 4
13. FARMLAND PROTECTION MEASURES ARE REQUIRED WITHIN INDICATED AREAS. SEE DETAIL SHEET 5

WORK AREA BOUNDARIES IN / NEAR WETLANDS

1. VEGETATION REMOVAL WILL OCCUR WITHIN THE VEGETATION REMOVAL LIMITS AS SHOWN, WITH TEMPORARY ACCESS ROUTES IN AND ACROSS WETLANDS AS NECESSARY UNLESS OTHERWISE NOTED. ADDITIONALLY, DANGER OR HAZARD TREE REMOVAL MAY BE REQUIRED OUTSIDE OF THE VEGETATION REMOVAL LIMITS.
2. ALL PROJECT CONSTRUCTION ACTIVITIES IN WETLANDS (EXCLUDING VEGETATION REMOVAL) WILL BE CONTAINED WITHIN THE DEPICTED WORK PADS AND ACCESS ROADS.

STR #	DESCRIPTION	HEIGHT (FT)	FINISH	FOUNDATION
58	DELTA TANGENT	102	WEATHERING STEEL	DIRECT EMBEDDED
59	DELTA TANGENT	92.5	WEATHERING STEEL	DIRECT EMBEDDED
60	DELTA TANGENT	102	WEATHERING STEEL	DIRECT EMBEDDED
61	DELTA TANGENT	92.5	WEATHERING STEEL	DIRECT EMBEDDED



Legend

- Proposed Structure
- Structure to be Removed
- Existing Structure
- Existing Right-of-Way
- Proposed 115-kV Line (Centerline)
- Existing Transmission Line to be Removed
- 10' Contour Line
- 2' Contour Line
- Railroad
- Stonewall
- Fence
- Gate
- Tree Line
- Vegetation Removal Limits
- Limit of Disturbance
- Designated Recreation Trail
- Trail Points
- Work Pad
- Existing Access Road
- Existing Alternate Access Road
- New Access Road
- New Alternate Access Road
- New Temporary Access Road
- Proposed Substation Expansion
- Culvert (center)
- Intermittent Watercourse
- Perennial Watercourse
- Ordinary High Water Mark
- Wetland Boundary
- Wetland Area
- Connecticut Wetlands Only
- Temporary Wetland Impact
- Permanent Wetland Impact
- Rare Species
- Vernal Pool
- Decoy Vernal Pool
- Highly Erodible Soils
- 100 Year Flood Zone
- Eversource Owned Property
- Parcel Boundary
- Municipal Boundary
- REV 1 D&M Plan Revision Area
- Map Sheet Matchline
- Underground ADSS
- Temporary Structure
- Temporary Guy Anchor

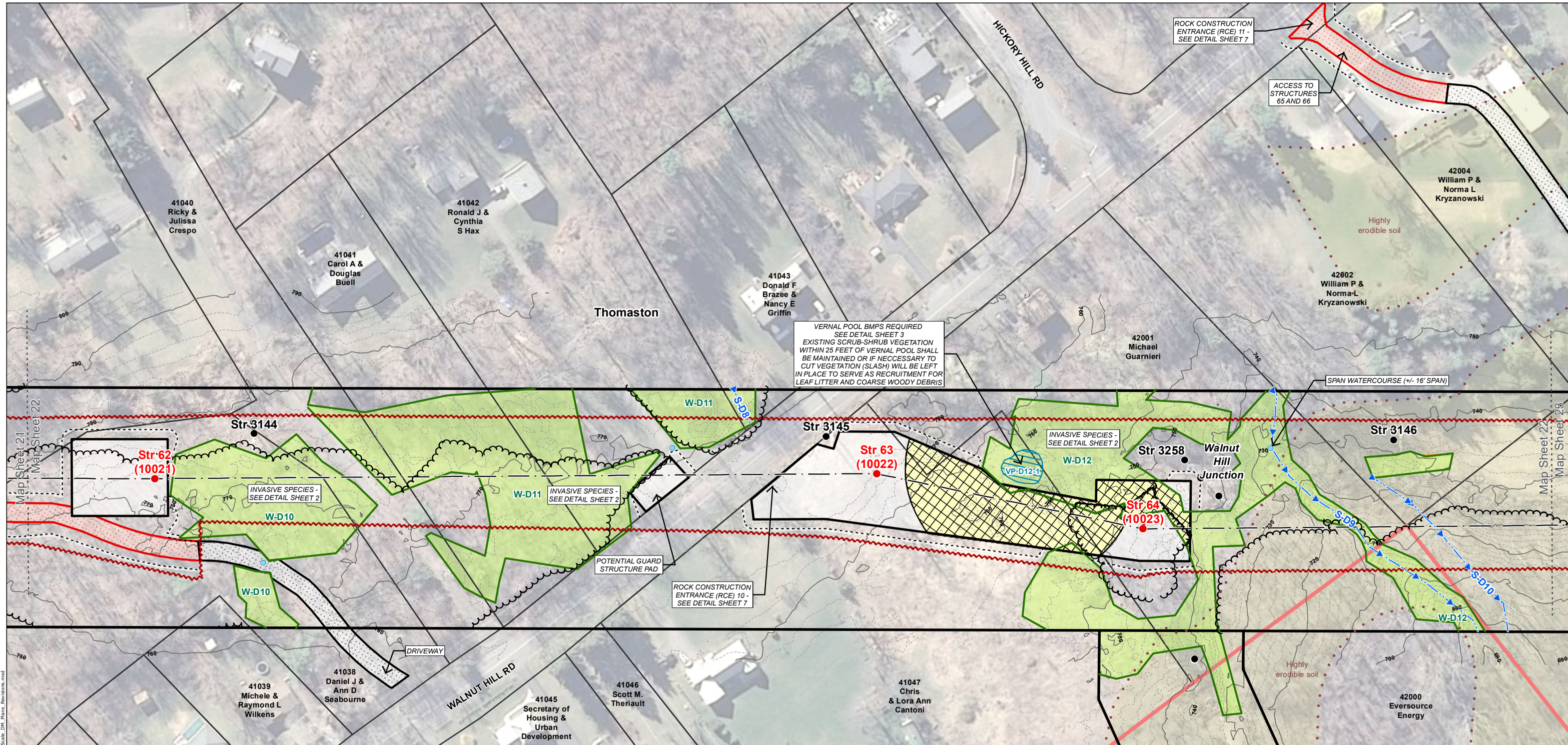
Base Map Source: 2012 Aerial Imagery (CTECO) 0 50 100 Feet
1 inch = 100 feet

EVERSOURCE ENERGY
Frost Bridge to Campville
115-kV Project
Development & Management Plan

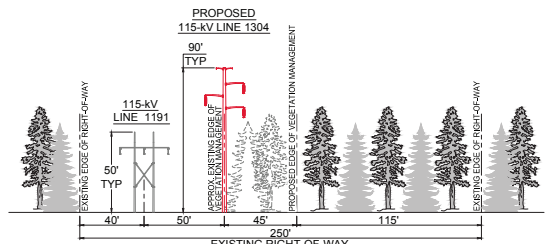
Thomaston, CT | Map Sheet 21 of 35
January 2017 | Map Author: N. Castro

Tighe & Bond | ALL-POINTS TECHNOLOGY CORPORATION

NO.	DATE	REVISIONS	BY	CHK	APP	APP



XS-3 VIEW LOOKING NORTH FROM FROST BRIDGE SUBSTATION TOWARDS CAMPVILLE SUBSTATION



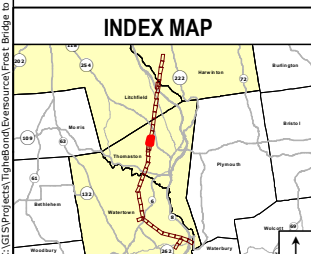
GENERAL NOTES

- PERMIT PLANS ONLY NOT FOR CONSTRUCTION
- THE LIMITS OF DISTURBANCE AS SHOWN DEFINE AREAS WHERE VEGETATION REMOVAL AND GRUBBING, GRADING, AND EXCAVATION MAY OCCUR. MINOR DEVIATIONS MAY BE REQUIRED IN SOME LOCATIONS.
- ALL WORK WILL BE CONDUCTED IN ACCORDANCE WITH THE RELEVANT PORTIONS OF EVERSOURCE'S BMP MANUAL: CONNECTICUT CONSTRUCTION AND MAINTENANCE ENVIRONMENTAL REQUIREMENTS (BMP MANUAL), UNLESS MORE STRINGENT PROJECT-SPECIFIC MEASURES APPLY.
- ALL WORK WILL BE CONDUCTED IN ACCORDANCE WITH THE REQUIREMENTS OF REGULATORY APPROVALS FROM THE U.S. ARMY CORPS OF ENGINEERS AND THE CONNECTICUT DEPARTMENT OF ENERGY AND ENVIRONMENTAL PROTECTION, AND WITH ALL PROJECT PROTOCOLS.
- INSTALL ALL EROSION AND SEDIMENTATION CONTROL MEASURES AS SHOWN ON THE PLANS AND ELSEWHERE AS NECESSARY TO PREVENT SOIL EROSION AND SEDIMENT TRANSPORT, AND COMPLY WITH THE 2002 CONNECTICUT GUIDELINES FOR SOIL EROSION AND SEDIMENT CONTROL. ADDITIONAL CONTROLS, NOT DEPICTED ON THE PLANS, MAY BE NECESSARY FOR COMPLIANCE. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO ASSESS THE NEED FOR, AND INSTALL ADDITIONAL CONTROLS THAT ARE WARRANTED BY SITE CONDITIONS.
- RETAINING WALLS ARE DEPICTED IN SOME LOCATIONS. RETAINING WALLS MAY BE UTILIZED BY THE CONTRACTOR IN ORDER TO PROVIDE AN ADEQUATELY SIZED WORK PAD WHERE STEEP TOPOGRAPHY EXISTS THEREBY AVOIDING NON-COMPLIANT SLOPES PER THE 2002 CONNECTICUT GUIDELINES. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO DETERMINE THE NEED FOR, LOCATION OF, MEANS AND METHODS OF CONSTRUCTION, AND SAFETY MEASURES UTILIZED FOR RETAINING WALLS. RETAINING WALLS MAY BE REQUIRED IN ADDITIONAL LOCATIONS NOT DEPICTED ON THE PLANS.
- UPON COMPLETION OF CONSTRUCTION, IT IS THE CONTRACTOR'S RESPONSIBILITY TO REMOVE RETAINING WALLS, REGRADE, AND STABILIZE SLOPES IN COMPLIANCE WITH THE 2002 CONNECTICUT GUIDELINES.
- ALL TEMPORARY ACCESS ROADS IN UPLANDS ARE DEEMED TO BE PERMANENT UNLESS OTHERWISE NOTED
- EXISTING CULVERTS WILL BE PROTECTED AS DEEMED NECESSARY TO PREVENT DAMAGE DURING CONSTRUCTION
- WETLAND INVASIVE SPECIES CONTROL BMPs APPLY TO WORK WITHIN ALL WETLANDS WITH INVASIVE SPECIES. SEE DETAIL SHEET 2
- VERNAL POOL BMPs ARE REQUIRED WITHIN INDICATED AREAS AS DIRECTED BY THE ENVIRONMENTAL INSPECTOR. SEE DETAIL SHEET 3
- RARE SPECIES AVOIDANCE AND MINIMIZATION MEASURES ARE REQUIRED WITHIN INDICATED AREAS. SEE DETAIL SHEET 4
- FARMLAND PROTECTION MEASURES ARE REQUIRED WITHIN INDICATED AREAS. SEE DETAIL SHEET 5

WORK AREA BOUNDARIES IN / NEAR WETLANDS

- VEGETATION REMOVAL WILL OCCUR WITHIN THE VEGETATION REMOVAL LIMITS AS SHOWN, WITH TEMPORARY ACCESS ROUTES IN AND ACROSS WETLANDS AS NECESSARY UNLESS OTHERWISE NOTED. ADDITIONALLY, DANGER OR HAZARD TREE REMOVAL MAY BE REQUIRED OUTSIDE OF THE VEGETATION REMOVAL LIMITS.
- ALL PROJECT CONSTRUCTION ACTIVITIES IN WETLANDS (EXCLUDING VEGETATION REMOVAL) WILL BE CONTAINED WITHIN THE DEPICTED WORK PADS AND ACCESS ROADS.

STR #	DESCRIPTION	HEIGHT (FT)	FINISH	FOUNDATION
62	DELTA TANGENT	111.5	WEATHERING STEEL	DIRECT EMBEDDED
63	VERTICAL RUNNING ANGLE	125	WEATHERING STEEL	DRILLED SHAFT
64	VERTICAL DEADEND	110	WEATHERING STEEL	DRILLED SHAFT



Legend

- Proposed Structure
- Structure to be Removed
- Existing Structure
- Existing Right-of-Way
- Proposed 115-kV Line (Centerline)
- Existing Transmission Line to be Removed
- 10' Contour Line
- 2' Contour Line
- Railroad
- Stonewall
- Fence
- Gate
- Tree Line
- Vegetation Removal Limits
- Limit of Disturbance
- Designated Recreation Trail
- Trail Points
- Work Pad
- Existing Access Road
- Existing Alternate Access Road
- New Access Road
- New Alternate Access Road
- New Temporary Access Road
- Proposed Substation Expansion
- Culvert (center)
- Intermittent Watercourse
- Perennial Watercourse
- Ordinary High Water Mark
- Wetland Boundary
- Wetland Area
- Connecticut Wetlands Only
- Temporary Wetland Impact
- Permanent Wetland Impact
- Rare Species
- Vernal Pool
- Decoy Vernal Pool
- Highly Erodible Soils
- 100 Year Flood Zone
- Eversource Owned Property
- Parcel Boundary
- Municipal Boundary
- REV 1 D&M Plan Revision Area
- Map Sheet Matchline
- Underground ADSS
- Temporary Structure
- Temporary Guy Anchor

Base Map Source: 2012 Aerial Imagery (CTECO) 0

1 inch = 100 feet

50 100

EVERSOURCE ENERGY

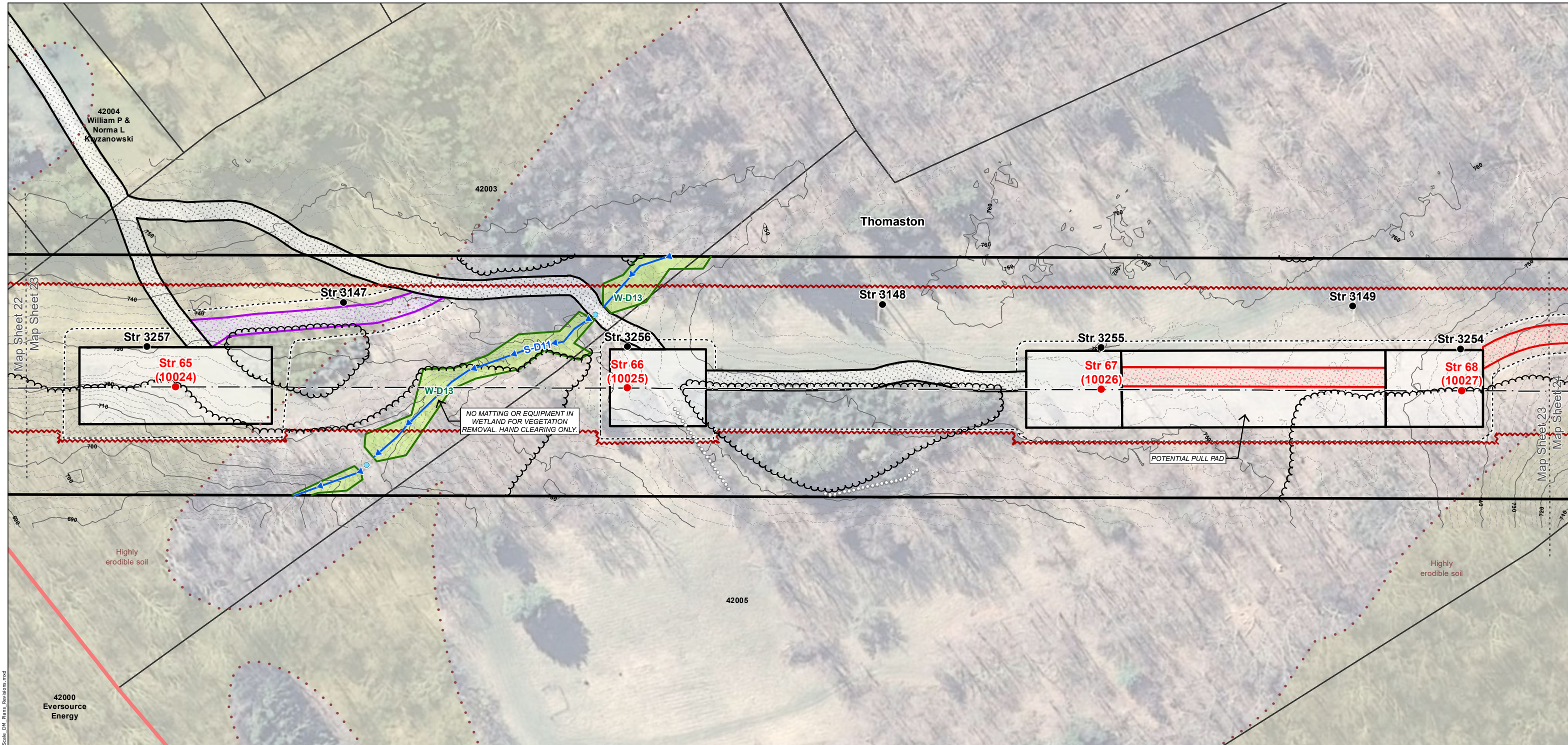
Frost Bridge to Campville 115-kV Project Development & Management Plan

Thomaston, CT Map Sheet 22 of 35

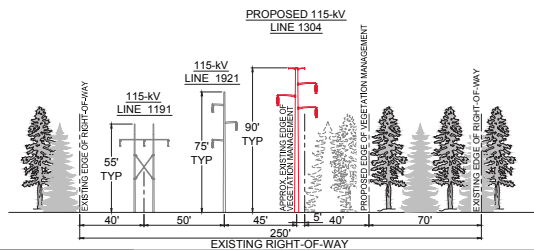
January 2017 Map Author: N. Castro

Tighe & Bond ALL-POINTS TECHNOLOGY CORPORATION

NO.	DATE	REVISIONS	BY	CHK	APP	APP



XS-4 VIEW LOOKING NORTH FROM FROST BRIDGE SUBSTATION TOWARDS CAMPVILLE SUBSTATION



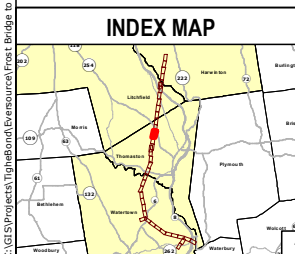
GENERAL NOTES

- PERMIT PLANS ONLY NOT FOR CONSTRUCTION
- THE LIMITS OF DISTURBANCE AS SHOWN DEFINE AREAS WHERE VEGETATION REMOVAL AND GRUBBING, GRADING, AND EXCAVATION MAY OCCUR. MINOR DEVIATIONS MAY BE REQUIRED IN SOME LOCATIONS.
- ALL WORK WILL BE CONDUCTED IN ACCORDANCE WITH THE RELEVANT PORTIONS OF EVERSOURCE'S BMP MANUAL; CONNECTICUT CONSTRUCTION AND MAINTENANCE ENVIRONMENTAL REQUIREMENTS (BMP MANUAL), UNLESS MORE STRINGENT PROJECT-SPECIFIC MEASURES APPLY.
- ALL WORK WILL BE CONDUCTED IN ACCORDANCE WITH THE REQUIREMENTS OF REGULATORY APPROVALS FROM THE U.S. ARMY CORPS OF ENGINEERS AND THE CONNECTICUT DEPARTMENT OF ENERGY AND ENVIRONMENTAL PROTECTION, AND WITH ALL PROJECT PROTOCOLS.
- INSTALL ALL EROSION AND SEDIMENTATION CONTROL MEASURES AS SHOWN ON THE PLANS AND ELSEWHERE AS NECESSARY TO PREVENT SOIL EROSION AND SEDIMENT TRANSPORT, AND COMPLY WITH THE 2002 CONNECTICUT GUIDELINES FOR SOIL EROSION AND SEDIMENT CONTROL. ADDITIONAL CONTROLS, NOT DEPICTED ON THE PLANS, MAY BE NECESSARY FOR COMPLIANCE. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO ASSESS THE NEED FOR, AND INSTALL ADDITIONAL CONTROLS THAT ARE WARRANTED BY SITE CONDITIONS.
- RETAINING WALLS ARE DEPICTED IN SOME LOCATIONS. RETAINING WALLS MAY BE UTILIZED BY THE CONTRACTOR IN ORDER TO PROVIDE AN ADEQUATELY SIZED WORK PAD WHERE STEEP TOPOGRAPHY EXISTS THEREBY AVOIDING NON-COMPLIANT SLOPES PER THE 2002 CONNECTICUT GUIDELINES. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO DETERMINE THE NEED FOR, LOCATION OF, MEANS AND METHODS OF CONSTRUCTION, AND SAFETY MEASURES UTILIZED FOR RETAINING WALLS. RETAINING WALLS MAY BE REQUIRED IN ADDITIONAL LOCATIONS NOT DEPICTED ON THE PLANS.
- UPON COMPLETION OF CONSTRUCTION, IT IS THE CONTRACTOR'S RESPONSIBILITY TO REMOVE RETAINING WALLS, REGRADE, AND STABILIZE SLOPES IN COMPLIANCE WITH THE 2002 CONNECTICUT GUIDELINES.
- ALL TEMPORARY ACCESS ROADS IN UPLANDS ARE DEEMED TO BE PERMANENT UNLESS OTHERWISE NOTED
- EXISTING CULVERTS WILL BE PROTECTED AS DEEMED NECESSARY TO PREVENT DAMAGE DURING CONSTRUCTION
- WETLAND INVASIVE SPECIES CONTROL BMPs APPLY TO WORK WITHIN ALL WETLANDS WITH INVASIVE SPECIES. SEE DETAIL SHEET 2
- VERNAL POOL BMPs ARE REQUIRED WITHIN INDICATED AREAS AS DIRECTED BY THE ENVIRONMENTAL INSPECTOR. SEE DETAIL SHEET 3
- RARE SPECIES AVOIDANCE AND MINIMIZATION MEASURES ARE REQUIRED WITHIN INDICATED AREAS. SEE DETAIL SHEET 4
- FARMLAND PROTECTION MEASURES ARE REQUIRED WITHIN INDICATED AREAS. SEE DETAIL SHEET 5

WORK AREA BOUNDARIES IN / NEAR WETLANDS

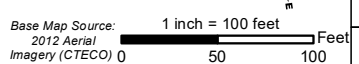
- VEGETATION REMOVAL WILL OCCUR WITHIN THE VEGETATION REMOVAL LIMITS AS SHOWN, WITH TEMPORARY ACCESS ROUTES IN AND ACROSS WETLANDS AS NECESSARY UNLESS OTHERWISE NOTED. ADDITIONALLY, DANGER OR HAZARD TREE REMOVAL MAY BE REQUIRED OUTSIDE OF THE VEGETATION REMOVAL LIMITS.
- ALL PROJECT CONSTRUCTION ACTIVITIES IN WETLANDS (EXCLUDING VEGETATION REMOVAL) WILL BE CONTAINED WITHIN THE DEPICTED WORK PADS AND ACCESS ROADS.

STR #	DESCRIPTION	HEIGHT (FT)	FINISH	FOUNDATION
65	DELTA TANGENT	102	WEATHERING STEEL	DIRECT EMBEDDED
66	DELTA TANGENT	88	WEATHERING STEEL	DIRECT EMBEDDED
67	DELTA TANGENT	73.5	WEATHERING STEEL	DIRECT EMBEDDED
68	DELTA TANGENT	78.5	WEATHERING STEEL	DIRECT EMBEDDED



Legend

- Proposed Structure
- Structure to be Removed
- Existing Structure
- Existing Right-of-Way
- Proposed 115-kV Line (Centerline)
- Existing Transmission Line to be Removed
- 10' Contour Line
- 2' Contour Line
- Railroad
- Stonewall
- Fence
- Gate
- Tree Line
- Vegetation Removal Limits
- Limit of Disturbance
- Designated Recreation Trail
- Trail Points
- Work Pad
- Existing Access Road
- Existing Alternate Access Road
- New Access Road
- New Alternate Access Road
- New Temporary Access Road
- Proposed Substation Expansion
- Culvert (center)
- Intermittent Watercourse
- Perennial Watercourse
- Ordinary High Water Mark
- Wetland Boundary
- Wetland Area
- Connecticut Wetlands Only
- Temporary Wetland Impact
- Permanent Wetland Impact
- Rare Species
- Vernal Pool
- Decoy Vernal Pool
- Highly Erodeable Soils
- 100 Year Flood Zone
- Eversource Owned Property
- Parcel Boundary
- Municipal Boundary
- REV 1 D&M Plan Revision Area
- Map Sheet Matchline
- Underground ADSS
- Temporary Structure
- Temporary Guy Anchor



EVERSOURCE ENERGY

Frost Bridge to Campville 115-kV Project Development & Management Plan

Thomaston, CT | Map Sheet 23 of 35

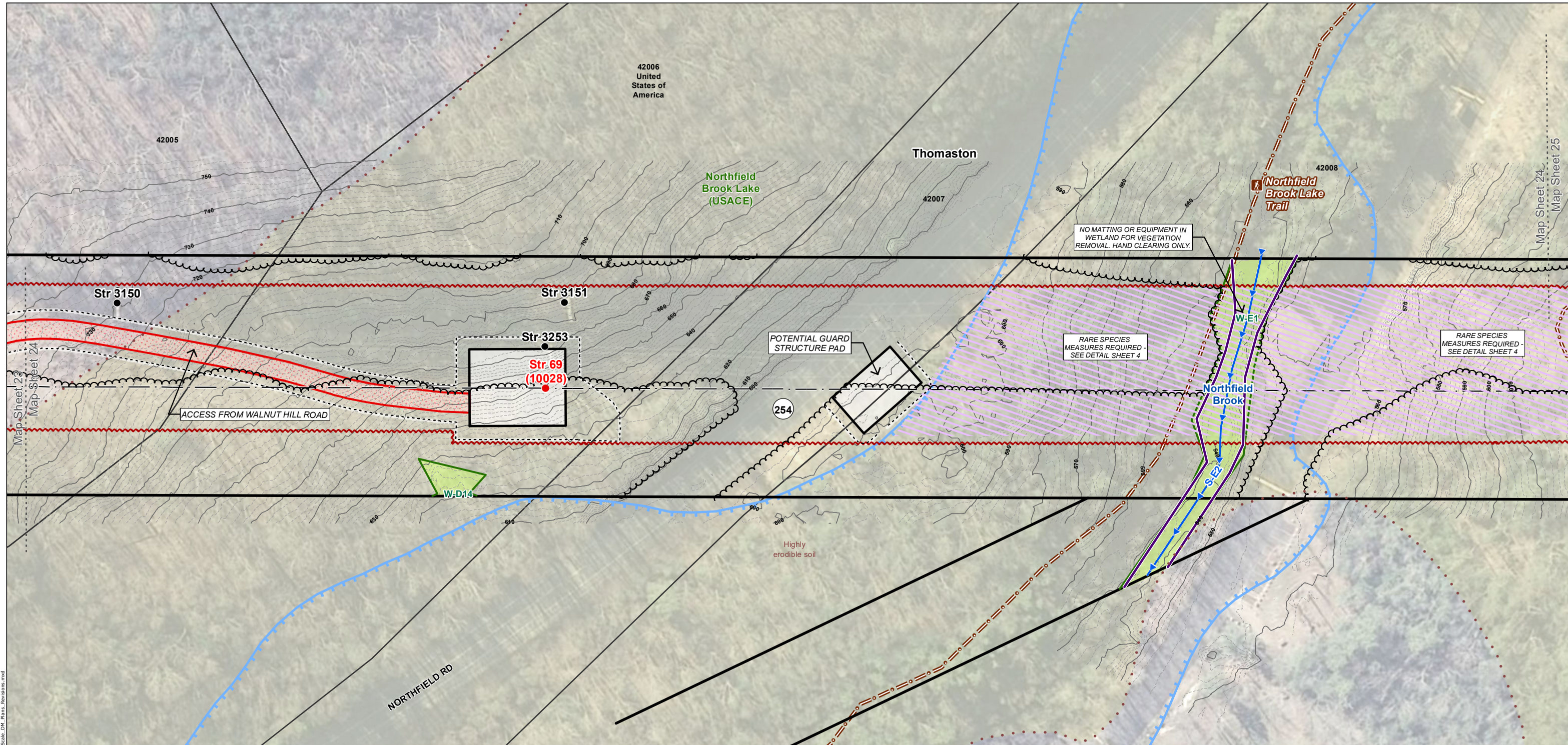
January 2017 | Map Author: N. Castro

Tighe & Bond

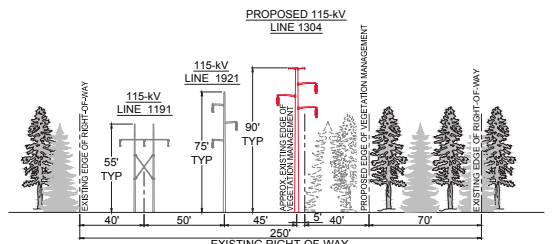
ALL-POINTS TECHNOLOGY CORPORATION

NO.	DATE	REVISIONS	BY	CHK	APP	APP

C:\GIS\Projects\TigheBond\Eversource\Frost Bridge to Campville 115-kV Project\Map\FrostBridgeCampville_10Scale_DM_Plan_Revision.mxd



XS-4 VIEW LOOKING NORTH FROM FROST BRIDGE SUBSTATION TOWARDS CAMPVILLE SUBSTATION



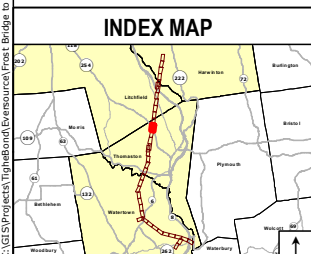
GENERAL NOTES

- PERMIT PLANS ONLY NOT FOR CONSTRUCTION
- THE LIMITS OF DISTURBANCE AS SHOWN DEFINE AREAS WHERE VEGETATION REMOVAL AND GRUBBING, GRADING, AND EXCAVATION MAY OCCUR. MINOR DEVIATIONS MAY BE REQUIRED IN SOME LOCATIONS.
- ALL WORK WILL BE CONDUCTED IN ACCORDANCE WITH THE RELEVANT PORTIONS OF EVERSOURCE'S BMP MANUAL: CONNECTICUT CONSTRUCTION AND MAINTENANCE ENVIRONMENTAL REQUIREMENTS (BMP MANUAL), UNLESS MORE STRINGENT PROJECT-SPECIFIC MEASURES APPLY.
- ALL WORK WILL BE CONDUCTED IN ACCORDANCE WITH THE REQUIREMENTS OF REGULATORY APPROVALS FROM THE U.S. ARMY CORPS OF ENGINEERS AND THE CONNECTICUT DEPARTMENT OF ENERGY AND ENVIRONMENTAL PROTECTION, AND WITH ALL PROJECT PROTOCOLS.
- INSTALL ALL EROSION AND SEDIMENTATION CONTROL MEASURES AS SHOWN ON THE PLANS AND ELSEWHERE AS NECESSARY TO PREVENT SOIL EROSION AND SEDIMENT TRANSPORT, AND COMPLY WITH THE 2002 CONNECTICUT GUIDELINES FOR SOIL EROSION AND SEDIMENT CONTROL. ADDITIONAL CONTROLS, NOT DEPICTED ON THE PLANS, MAY BE NECESSARY FOR COMPLIANCE. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO ASSESS THE NEED FOR, AND INSTALL ADDITIONAL CONTROLS THAT ARE WARRANTED BY SITE CONDITIONS.
- RETAINING WALLS ARE DEPICTED IN SOME LOCATIONS. RETAINING WALLS MAY BE UTILIZED BY THE CONTRACTOR IN ORDER TO PROVIDE AN ADEQUATELY SIZED WORK PAD WHERE STEEP TOPOGRAPHY EXISTS THEREBY AVOIDING NON-COMPLIANT SLOPES PER THE 2002 CONNECTICUT GUIDELINES. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO DETERMINE THE NEED FOR, LOCATION OF, MEANS AND METHODS OF CONSTRUCTION, AND SAFETY MEASURES UTILIZED FOR RETAINING WALLS. RETAINING WALLS MAY BE REQUIRED IN ADDITIONAL LOCATIONS NOT DEPICTED ON THE PLANS.
- UPON COMPLETION OF CONSTRUCTION, IT IS THE CONTRACTOR'S RESPONSIBILITY TO REMOVE RETAINING WALLS, REGRADE, AND STABILIZE SLOPES IN COMPLIANCE WITH THE 2002 CONNECTICUT GUIDELINES.
- ALL TEMPORARY ACCESS ROADS IN UPLANDS ARE DEEMED TO BE PERMANENT UNLESS OTHERWISE NOTED
- EXISTING CULVERTS WILL BE PROTECTED AS DEEMED NECESSARY TO PREVENT DAMAGE DURING CONSTRUCTION
- WETLAND INVASIVE SPECIES CONTROL BMPs APPLY TO WORK WITHIN ALL WETLANDS WITH INVASIVE SPECIES. SEE DETAIL SHEET 2
- VERNAL POOL BMPs ARE REQUIRED WITHIN INDICATED AREAS AS DIRECTED BY THE ENVIRONMENTAL INSPECTOR. SEE DETAIL SHEET 3
- RARE SPECIES AVOIDANCE AND MINIMIZATION MEASURES ARE REQUIRED WITHIN INDICATED AREAS. SEE DETAIL SHEET 4
- FARMLAND PROTECTION MEASURES ARE REQUIRED WITHIN INDICATED AREAS. SEE DETAIL SHEET 5

WORK AREA BOUNDARIES IN / NEAR WETLANDS

- VEGETATION REMOVAL WILL OCCUR WITHIN THE VEGETATION REMOVAL LIMITS AS SHOWN, WITH TEMPORARY ACCESS ROUTES IN AND ACROSS WETLANDS AS NECESSARY UNLESS OTHERWISE NOTED. ADDITIONALLY, DANGER OR HAZARD TREE REMOVAL MAY BE REQUIRED OUTSIDE OF THE VEGETATION REMOVAL LIMITS.
- ALL PROJECT CONSTRUCTION ACTIVITIES IN WETLANDS (EXCLUDING VEGETATION REMOVAL) WILL BE CONTAINED WITHIN THE DEPICTED WORK PADS AND ACCESS ROADS.

STR #	DESCRIPTION	HEIGHT (FT)	FINISH	FOUNDATION
69	DELTA STRAIN	110	WEATHERING STEEL	DRILLED SHAFT



Legend

- Proposed Structure
- Structure to be Removed
- Existing Structure
- Existing Right-of-Way
- Proposed 115-kV Line (Centerline)
- Existing Transmission Line to be Removed
- 10' Contour Line
- 2' Contour Line
- Railroad
- Stonewall
- Fence
- Gate
- Tree Line
- Vegetation Removal Limits
- Limit of Disturbance
- Designated Recreation Trail
- Trail Points
- Work Pad
- Existing Access Road
- Existing Alternate Access Road
- New Access Road
- New Alternate Access Road
- New Temporary Access Road
- Proposed Substation Expansion
- Culvert (center)
- Intermittent Watercourse
- Perennial Watercourse
- Ordinary High Water Mark
- Wetland Boundary
- Wetland Area
- Connecticut Wetlands Only
- Temporary Wetland Impact
- Permanent Wetland Impact
- Rare Species
- Vernal Pool
- Decoy Vernal Pool
- Highly Erodible Soils
- 100 Year Flood Zone
- Eversource Owned Property
- Parcel Boundary
- Municipal Boundary
- REV 1 D&M Plan Revision Area
- Map Sheet Matchline
- Underground ADSS
- Temporary Structure
- Temporary Guy Anchor

Base Map Source: 2012 Aerial Imagery (CTECO) 0

1 inch = 100 feet

50 100 Feet

NO.	DATE	REVISIONS	BY	CHK	APP	APP

EVSOURCE ENERGY

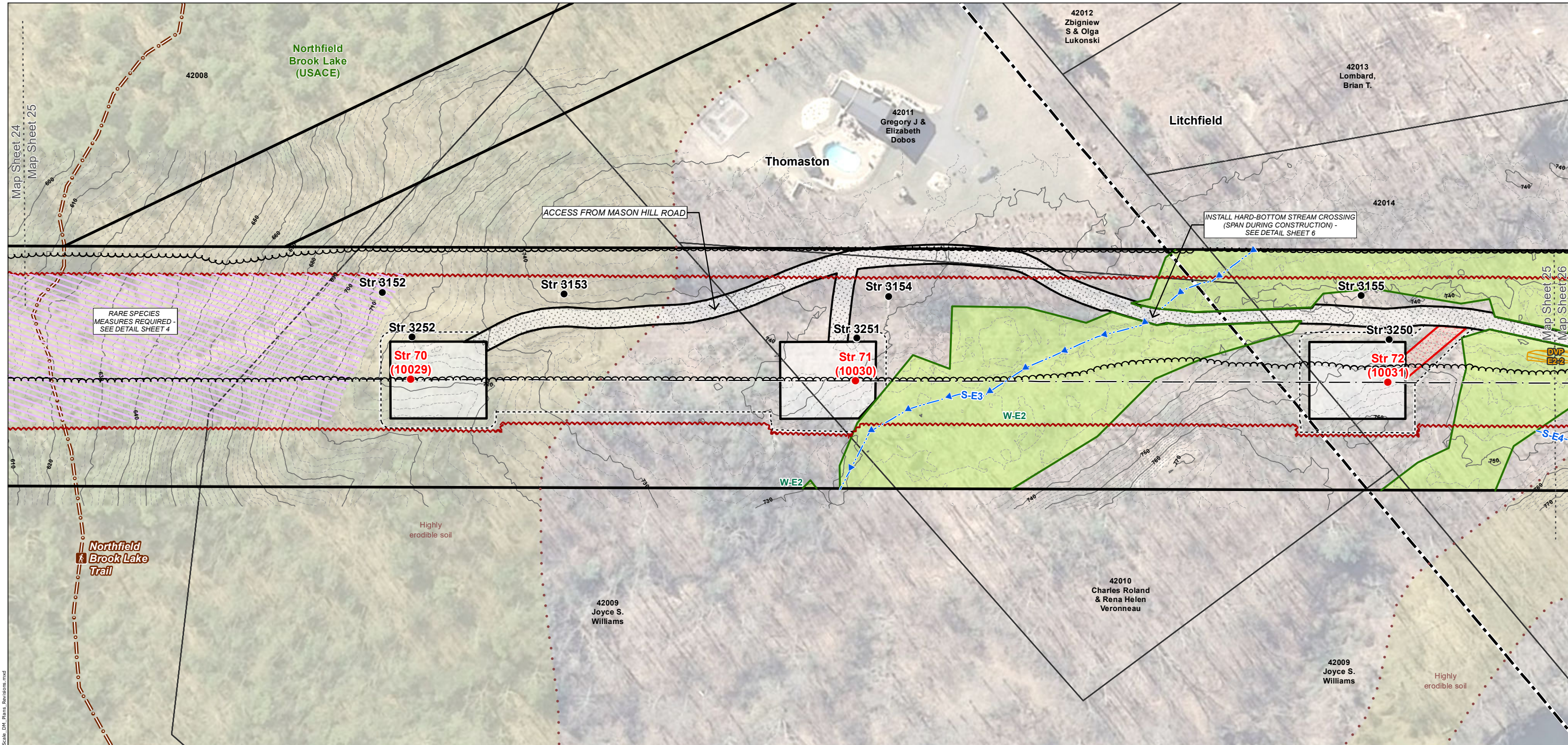
Frost Bridge to Campville 115-kV Project Development & Management Plan

Thomaston, CT Map Sheet 24 of 35

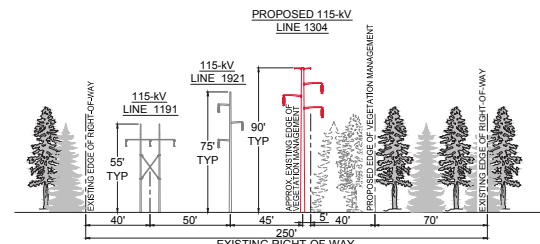
January 2017 Map Author: N. Castro

Tighe & Bond ALL-POINTS TECHNOLOGY CORPORATION

C:\GIS\Projects\TigheBond\Development\Frost Bridge to Campville 115-kV Project\Map\FrostBridgeCampville_10Scale_DM_Plan_Revision.mxd



XS-4 VIEW LOOKING NORTH FROM FROST BRIDGE SUBSTATION TOWARDS CAMPVILLE SUBSTATION



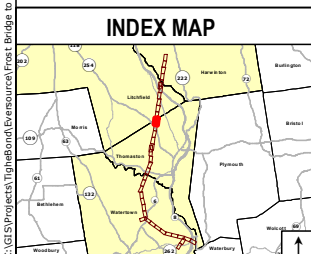
GENERAL NOTES

- PERMIT PLANS ONLY NOT FOR CONSTRUCTION
- THE LIMITS OF DISTURBANCE AS SHOWN DEFINE AREAS WHERE VEGETATION REMOVAL AND GRUBBING, GRADING, AND EXCAVATION MAY OCCUR. MINOR DEVIATIONS MAY BE REQUIRED IN SOME LOCATIONS.
- ALL WORK WILL BE CONDUCTED IN ACCORDANCE WITH THE RELEVANT PORTIONS OF EVERSOURCE'S BMP MANUAL, CONNECTICUT CONSTRUCTION AND MAINTENANCE ENVIRONMENTAL REQUIREMENTS (BMP MANUAL), UNLESS MORE STRINGENT PROJECT-SPECIFIC MEASURES APPLY.
- ALL WORK WILL BE CONDUCTED IN ACCORDANCE WITH THE REQUIREMENTS OF REGULATORY APPROVALS FROM THE U.S. ARMY CORPS OF ENGINEERS AND THE CONNECTICUT DEPARTMENT OF ENERGY AND ENVIRONMENTAL PROTECTION, AND WITH ALL PROJECT PROTOCOLS.
- INSTALL ALL EROSION AND SEDIMENTATION CONTROL MEASURES AS SHOWN ON THE PLANS AND ELSEWHERE AS NECESSARY TO PREVENT SOIL EROSION AND SEDIMENT CONTROL. ADDITIONAL CONTROLS, NOT DEPICTED ON THE PLANS, MAY BE NECESSARY FOR COMPLIANCE. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO ASSESS THE NEED FOR, AND INSTALL ADDITIONAL CONTROLS THAT ARE WARRANTED BY SITE CONDITIONS.
- RETAINING WALLS ARE DEPICTED IN SOME LOCATIONS. RETAINING WALLS MAY BE UTILIZED BY THE CONTRACTOR IN ORDER TO PROVIDE AN ADEQUATELY SIZED WORK PAD WHERE STEEP TOPOGRAPHY EXISTS THEREBY AVOIDING NON-COMPLIANT SLOPES PER THE 2002 CONNECTICUT GUIDELINES. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO DETERMINE THE NEED FOR, LOCATION OF, MEANS AND METHODS OF CONSTRUCTION, AND SAFETY MEASURES UTILIZED FOR RETAINING WALLS. RETAINING WALLS MAY BE REQUIRED IN ADDITIONAL LOCATIONS NOT DEPICTED ON THE PLANS.
- UPON COMPLETION OF CONSTRUCTION, IT IS THE CONTRACTOR'S RESPONSIBILITY TO REMOVE RETAINING WALLS, REGRADE, AND STABILIZE SLOPES IN COMPLIANCE WITH THE 2002 CONNECTICUT GUIDELINES.
- ALL TEMPORARY ACCESS ROADS IN UPLANDS ARE DEEMED TO BE PERMANENT UNLESS OTHERWISE NOTED
- EXISTING CULVERTS WILL BE PROTECTED AS DEEMED NECESSARY TO PREVENT DAMAGE DURING CONSTRUCTION
- WETLAND INVASIVE SPECIES CONTROL BMPs APPLY TO WORK WITHIN ALL WETLANDS WITH INVASIVE SPECIES. SEE DETAIL SHEET 2
- VERNAL POOL BMPs ARE REQUIRED WITHIN INDICATED AREAS AS DIRECTED BY THE ENVIRONMENTAL INSPECTOR. SEE DETAIL SHEET 3
- RARE SPECIES AVOIDANCE AND MINIMIZATION MEASURES ARE REQUIRED WITHIN INDICATED AREAS. SEE DETAIL SHEET 4
- FARMLAND PROTECTION MEASURES ARE REQUIRED WITHIN INDICATED AREAS. SEE DETAIL SHEET 5

WORK AREA BOUNDARIES IN / NEAR WETLANDS

- VEGETATION REMOVAL WILL OCCUR WITHIN THE VEGETATION REMOVAL LIMITS AS SHOWN, WITH TEMPORARY ACCESS ROUTES IN AND ACROSS WETLANDS AS NECESSARY UNLESS OTHERWISE NOTED. ADDITIONALLY, DANGER OR HAZARD TREE REMOVAL MAY BE REQUIRED OUTSIDE OF THE VEGETATION REMOVAL LIMITS.
- ALL PROJECT CONSTRUCTION ACTIVITIES IN WETLANDS (EXCLUDING VEGETATION REMOVAL) WILL BE CONTAINED WITHIN THE DEPICTED WORK PADS AND ACCESS ROADS.

STR #	DESCRIPTION	HEIGHT (FT)	FINISH	FOUNDATION
70	DELTA STRAIN	85	WEATHERING STEEL	DRILLED SHAFT
71	DELTA TANGENT	88	WEATHERING STEEL	DIRECT EMBEDDED
72	DELTA STRAIN	78.5	WEATHERING STEEL	DIRECT EMBEDDED



Legend

- Proposed Structure
- Structure to be Removed
- Existing Structure
- Existing Right-of-Way
- Proposed 115-kV Line (Centerline)
- Existing Transmission Line to be Removed
- 10' Contour Line
- 2' Contour Line
- Railroad
- Stonewall
- Fence
- Gate
- Tree Line
- Vegetation Removal Limits
- Limit of Disturbance
- Designated Recreation Trail
- Trail Points
- Work Pad
- Existing Access Road
- Existing Alternate Access Road
- New Access Road
- New Alternate Access Road
- New Temporary Access Road
- Proposed Substation Expansion
- Culvert (center)
- Intermittent Watercourse
- Perennial Watercourse
- Ordinary High Water Mark
- Wetland Boundary
- Wetland Area
- Connecticut Wetlands Only
- Temporary Wetland Impact
- Permanent Wetland Impact
- Rare Species
- Vernal Pool
- Decoy Vernal Pool
- Highly Erodible Soils
- 100 Year Flood Zone
- Eversource Owned Property
- Parcel Boundary
- Municipal Boundary
- REV 1 D&M Plan Revision Area
- Map Sheet Matchline
- Underground ADSS
- Temporary Structure
- Temporary Guy Anchor

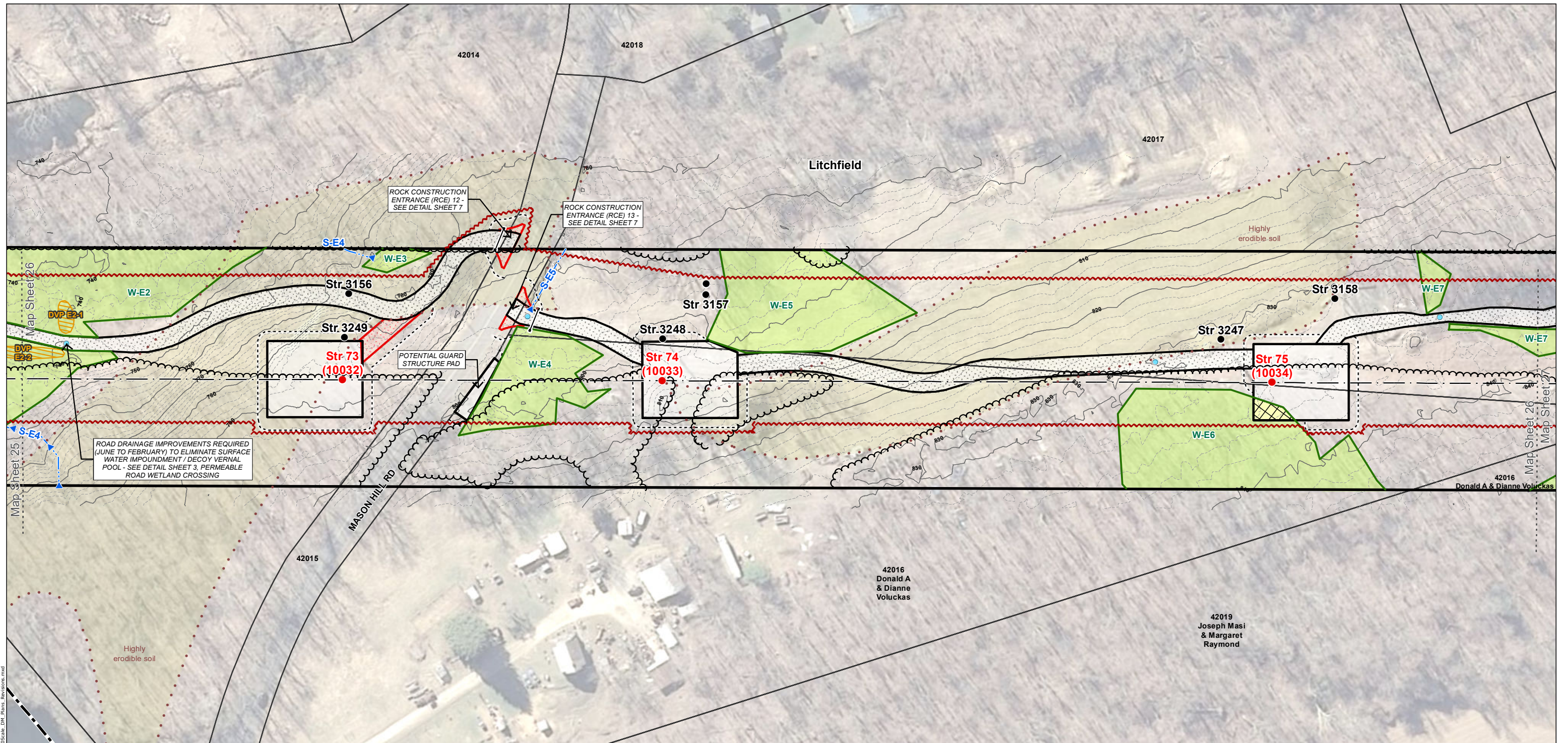
Base Map Source: 2012 Aerial Imagery (CTECO) 0 50 100 Feet
1 inch = 100 feet

NO.	DATE	REVISIONS	BY	CHK	APP	APP

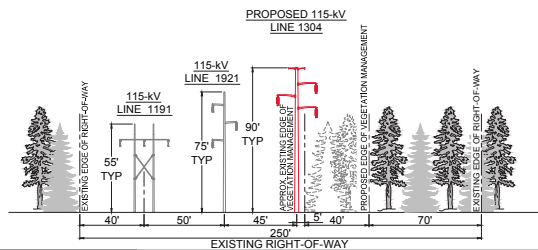
EVERSOURCE ENERGY
Frost Bridge to Campville 115-kV Project
Development & Management Plan

Thomaston/Litchfield, CT Map Sheet 25 of 35
 January 2017 Map Author: N. Castro

Tighe & Bond ALL-POINTS TECHNOLOGY CORPORATION



XS-4 VIEW LOOKING NORTH FROM FROST BRIDGE SUBSTATION TOWARDS CAMPVILLE SUBSTATION



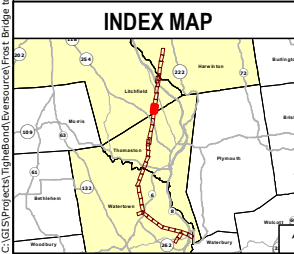
GENERAL NOTES

- PERMIT PLANS ONLY NOT FOR CONSTRUCTION
- THE LIMITS OF DISTURBANCE AS SHOWN DEFINE AREAS WHERE VEGETATION REMOVAL AND GRUBBING, GRADING, AND EXCAVATION MAY OCCUR. MINOR DEVIATIONS MAY BE REQUIRED IN SOME LOCATIONS.
- ALL WORK WILL BE CONDUCTED IN ACCORDANCE WITH THE RELEVANT PORTIONS OF EVERSOURCE'S BMP MANUAL: CONNECTICUT CONSTRUCTION AND MAINTENANCE ENVIRONMENTAL REQUIREMENTS (BMP MANUAL), UNLESS MORE STRINGENT PROJECT-SPECIFIC MEASURES APPLY.
- ALL WORK WILL BE CONDUCTED IN ACCORDANCE WITH THE REQUIREMENTS OF REGULATORY APPROVALS FROM THE U.S. ARMY CORPS OF ENGINEERS AND THE CONNECTICUT DEPARTMENT OF ENERGY AND ENVIRONMENTAL PROTECTION, AND WITH ALL PROJECT PROTOCOLS.
- INSTALL ALL EROSION AND SEDIMENTATION CONTROL MEASURES AS SHOWN ON THE PLANS AND ELSEWHERE AS NECESSARY TO PREVENT SOIL EROSION AND SEDIMENT TRANSPORT, AND COMPLY WITH THE 2002 CONNECTICUT GUIDELINES FOR SOIL EROSION AND SEDIMENT CONTROL. ADDITIONAL CONTROLS, NOT DEPICTED ON THE PLANS, MAY BE NECESSARY FOR COMPLIANCE. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO ASSESS THE NEED FOR, AND INSTALL ADDITIONAL CONTROLS THAT ARE WARRANTED BY SITE CONDITIONS.
- RETAINING WALLS ARE DEPICTED IN SOME LOCATIONS. RETAINING WALLS MAY BE UTILIZED BY THE CONTRACTOR IN ORDER TO PROVIDE AN ADEQUATELY SIZED WORK PAD WHERE STEEP TOPOGRAPHY EXISTS THEREBY AVOIDING NON-COMPLIANT SLOPES PER THE 2002 CONNECTICUT GUIDELINES. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO DETERMINE THE NEED FOR, LOCATION OF, MEANS AND METHODS OF CONSTRUCTION, AND SAFETY MEASURES UTILIZED FOR RETAINING WALLS. RETAINING WALLS MAY BE REQUIRED IN ADDITIONAL LOCATIONS NOT DEPICTED ON THE PLANS.
- UPON COMPLETION OF CONSTRUCTION, IT IS THE CONTRACTOR'S RESPONSIBILITY TO REMOVE RETAINING WALLS, REGRADE, AND STABILIZE SLOPES IN COMPLIANCE WITH THE 2002 CONNECTICUT GUIDELINES.
- ALL TEMPORARY ACCESS ROADS IN UPLANDS ARE DEEMED TO BE PERMANENT UNLESS OTHERWISE NOTED
- EXISTING CULVERTS WILL BE PROTECTED AS DEEMED NECESSARY TO PREVENT DAMAGE DURING CONSTRUCTION
- WETLAND INVASIVE SPECIES CONTROL BMPs APPLY TO WORK WITHIN ALL WETLANDS WITH INVASIVE SPECIES. SEE DETAIL SHEET 2
- VERNAL POOL BMPs ARE REQUIRED WITHIN INDICATED AREAS AS DIRECTED BY THE ENVIRONMENTAL INSPECTOR. SEE DETAIL SHEET 3
- RARE SPECIES AVOIDANCE AND MINIMIZATION MEASURES ARE REQUIRED WITHIN INDICATED AREAS. SEE DETAIL SHEET 4
- FARMLAND PROTECTION MEASURES ARE REQUIRED WITHIN INDICATED AREAS. SEE DETAIL SHEET 5

WORK AREA BOUNDARIES IN / NEAR WETLANDS

- VEGETATION REMOVAL WILL OCCUR WITHIN THE VEGETATION REMOVAL LIMITS AS SHOWN, WITH TEMPORARY ACCESS ROUTES IN AND ACROSS WETLANDS AS NECESSARY UNLESS OTHERWISE NOTED. ADDITIONALLY, DANGER OR HAZARD TREE REMOVAL MAY BE REQUIRED OUTSIDE OF THE VEGETATION REMOVAL LIMITS
- ALL PROJECT CONSTRUCTION ACTIVITIES IN WETLANDS (EXCLUDING VEGETATION REMOVAL) WILL BE CONTAINED WITHIN THE DEPICTED WORK PADS AND ACCESS ROADS.

STR #	DESCRIPTION	HEIGHT (FT)	FINISH	FOUNDATION
73	DELTA TANGENT	92.5	WEATHERING STEEL	DIRECT EMBEDDED
74	DELTA TANGENT	97.5	WEATHERING STEEL	DIRECT EMBEDDED
75	DELTA TANGENT	88	WEATHERING STEEL	DIRECT EMBEDDED



Legend

- Proposed Structure
- Structure to be Removed
- Existing Structure
- Existing Right-of-Way
- Proposed 115-kV Line (Centerline)
- Existing Transmission Line to be Removed
- 10' Contour Line
- 2' Contour Line
- Railroad
- Stonewall
- Fence
- Gate
- Tree Line
- Vegetation Removal Limits
- Limit of Disturbance
- Designated Recreation Trail
- Trail Points
- Work Pad
- Existing Access Road
- Existing Alternate Access Road
- New Access Road
- New Alternate Access Road
- New Temporary Access Road
- Proposed Substation Expansion
- Culvert (center)
- Intermittent Watercourse
- Perennial Watercourse
- Ordinary High Water Mark
- Wetland Boundary
- Wetland Area
- Connecticut Wetlands Only
- Temporary Wetland Impact
- Permanent Wetland Impact
- Rare Species
- Vernal Pool
- Decoy Vernal Pool
- Highly Erodible Soils
- 100 Year Flood Zone
- Eversource Owned Property
- Parcel Boundary
- Municipal Boundary
- REV 1 D&M Plan Revision Area
- Map Sheet Matchline
- Underground ADSS
- Temporary Structure
- Temporary Guy Anchor

Base Map Source: 2012 Aerial Imagery (CTECO) 0
 1 inch = 100 feet
 50 100 Feet

NO.	DATE	REVISIONS	BY	CHK	APP	APP

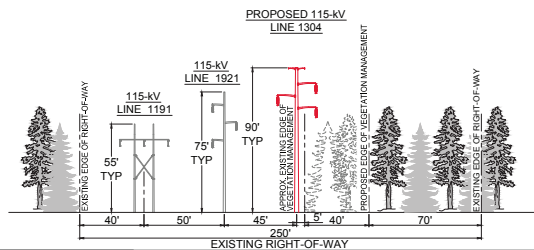
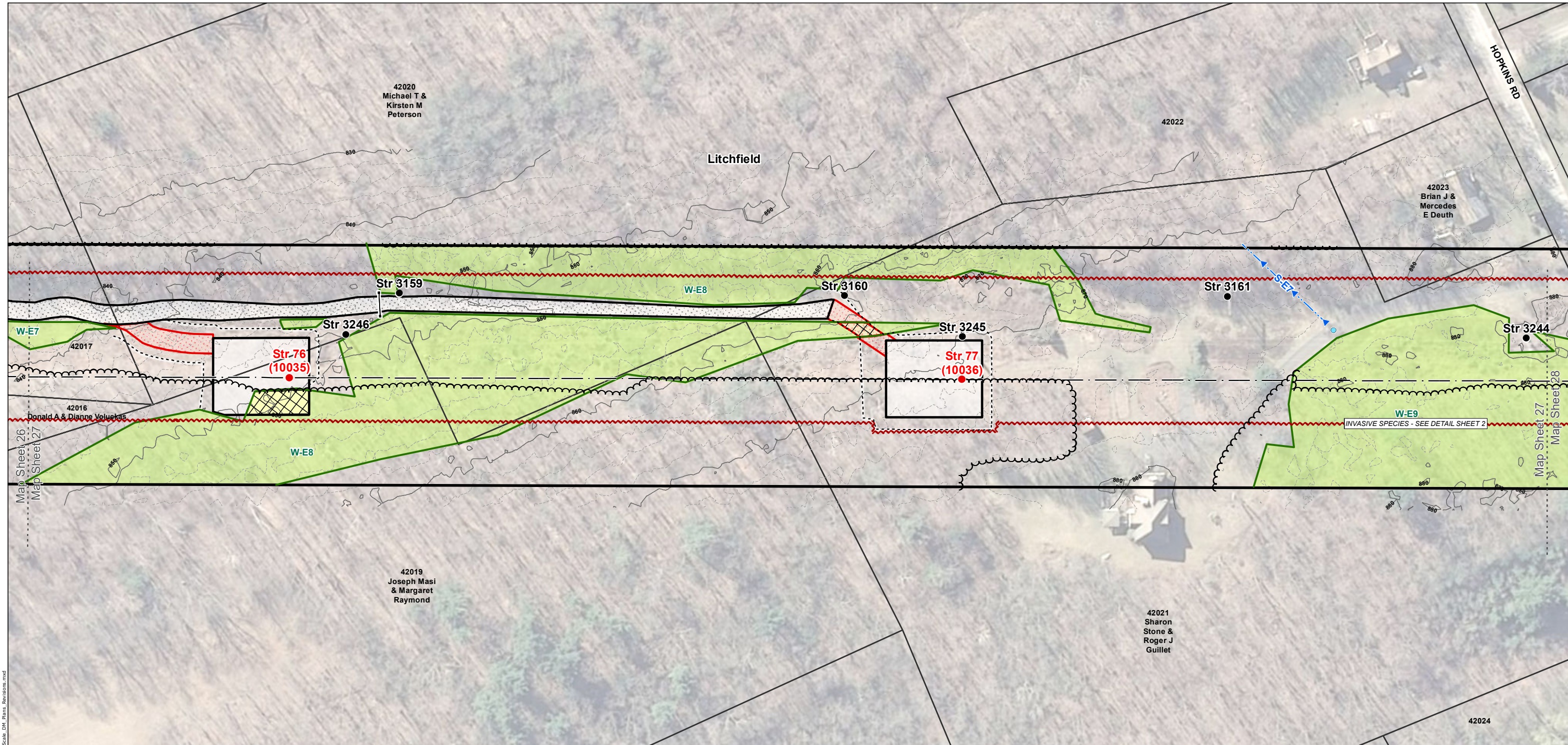
EVERSOURCE ENERGY

Frost Bridge to Campville 115-kV Project Development & Management Plan

Litchfield, CT Map Sheet 26 of 35

January 2017 Map Author: N. Castro

Tighe & Bond ALL-POINTS TECHNOLOGY CORPORATION

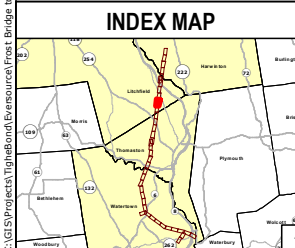


GENERAL NOTES

- PERMIT PLANS ONLY NOT FOR CONSTRUCTION
- THE LIMITS OF DISTURBANCE AS SHOWN DEFINE AREAS WHERE VEGETATION REMOVAL AND GRUBBING, GRADING, AND EXCAVATION MAY OCCUR. MINOR DEVIATIONS MAY BE REQUIRED IN SOME LOCATIONS.
- ALL WORK WILL BE CONDUCTED IN ACCORDANCE WITH THE RELEVANT PORTIONS OF EVERSOURCE'S BMP MANUAL: CONNECTICUT CONSTRUCTION AND MAINTENANCE ENVIRONMENTAL REQUIREMENTS (BMP MANUAL), UNLESS MORE STRINGENT PROJECT-SPECIFIC MEASURES APPLY.
- ALL WORK WILL BE CONDUCTED IN ACCORDANCE WITH THE REQUIREMENTS OF REGULATORY APPROVALS FROM THE U.S. ARMY CORPS OF ENGINEERS AND THE CONNECTICUT DEPARTMENT OF ENERGY AND ENVIRONMENTAL PROTECTION, AND WITH ALL PROJECT PROTOCOLS.
- INSTALL ALL EROSION AND SEDIMENTATION CONTROL MEASURES AS SHOWN ON THE PLANS AND ELSEWHERE AS NECESSARY TO PREVENT SOIL EROSION AND SEDIMENT CONTROL. ADDITIONAL CONTROLS, NOT DEPICTED ON THE PLANS, MAY BE NECESSARY FOR COMPLIANCE. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO ASSESS THE NEED FOR, AND INSTALL ADDITIONAL CONTROLS THAT ARE WARRANTED BY SITE CONDITIONS.
- RETAINING WALLS ARE DEPICTED IN SOME LOCATIONS. RETAINING WALLS MAY BE UTILIZED BY THE CONTRACTOR IN ORDER TO PROVIDE AN ADEQUATELY SIZED WORK PAD WHERE STEEP TOPOGRAPHY EXISTS THEREBY AVOIDING NON-COMPLIANT SLOPES PER THE 2002 CONNECTICUT GUIDELINES. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO DETERMINE THE NEED FOR, LOCATION OF, MEANS AND METHODS OF CONSTRUCTION, AND SAFETY MEASURES UTILIZED FOR RETAINING WALLS. RETAINING WALLS MAY BE REQUIRED IN ADDITIONAL LOCATIONS NOT DEPICTED ON THE PLANS.
- UPON COMPLETION OF CONSTRUCTION, IT IS THE CONTRACTOR'S RESPONSIBILITY TO REMOVE RETAINING WALLS, REGRADE, AND STABILIZE SLOPES IN COMPLIANCE WITH THE 2002 CONNECTICUT GUIDELINES.
- ALL TEMPORARY ACCESS ROADS IN UPLANDS ARE DEEMED TO BE PERMANENT UNLESS OTHERWISE NOTED
- EXISTING CULVERTS WILL BE PROTECTED AS DEEMED NECESSARY TO PREVENT DAMAGE DURING CONSTRUCTION
- WETLAND INVASIVE SPECIES CONTROL BMPs APPLY TO WORK WITHIN ALL WETLANDS WITH INVASIVE SPECIES. SEE DETAIL SHEET 2
- VERNAL POOL BMPs ARE REQUIRED WITHIN INDICATED AREAS AS DIRECTED BY THE ENVIRONMENTAL INSPECTOR. SEE DETAIL SHEET 3
- RARE SPECIES AVOIDANCE AND MINIMIZATION MEASURES ARE REQUIRED WITHIN INDICATED AREAS. SEE DETAIL SHEET 4
- FARMLAND PROTECTION MEASURES ARE REQUIRED WITHIN INDICATED AREAS. SEE DETAIL SHEET 5

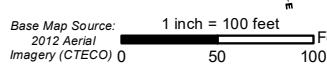
WORK AREA BOUNDARIES IN / NEAR WETLANDS
 1. VEGETATION REMOVAL WILL OCCUR WITHIN THE VEGETATION REMOVAL LIMITS AS SHOWN, WITH TEMPORARY ACCESS ROUTES IN AND ACROSS WETLANDS AS NECESSARY UNLESS OTHERWISE NOTED. ADDITIONALLY, DANGER OR HAZARD TREE REMOVAL MAY BE REQUIRED OUTSIDE OF THE VEGETATION REMOVAL LIMITS.
 2. ALL PROJECT CONSTRUCTION ACTIVITIES IN WETLANDS (EXCLUDING VEGETATION REMOVAL) WILL BE CONTAINED WITHIN THE DEPICTED WORK PADS AND ACCESS ROADS.

STR #	DESCRIPTION	HEIGHT (FT)	FINISH	FOUNDATION
76	DELTA TANGENT	88	WEATHERING STEEL	DIRECT EMBEDDED
77	DELTA TANGENT	97.5	WEATHERING STEEL	DIRECT EMBEDDED



Legend

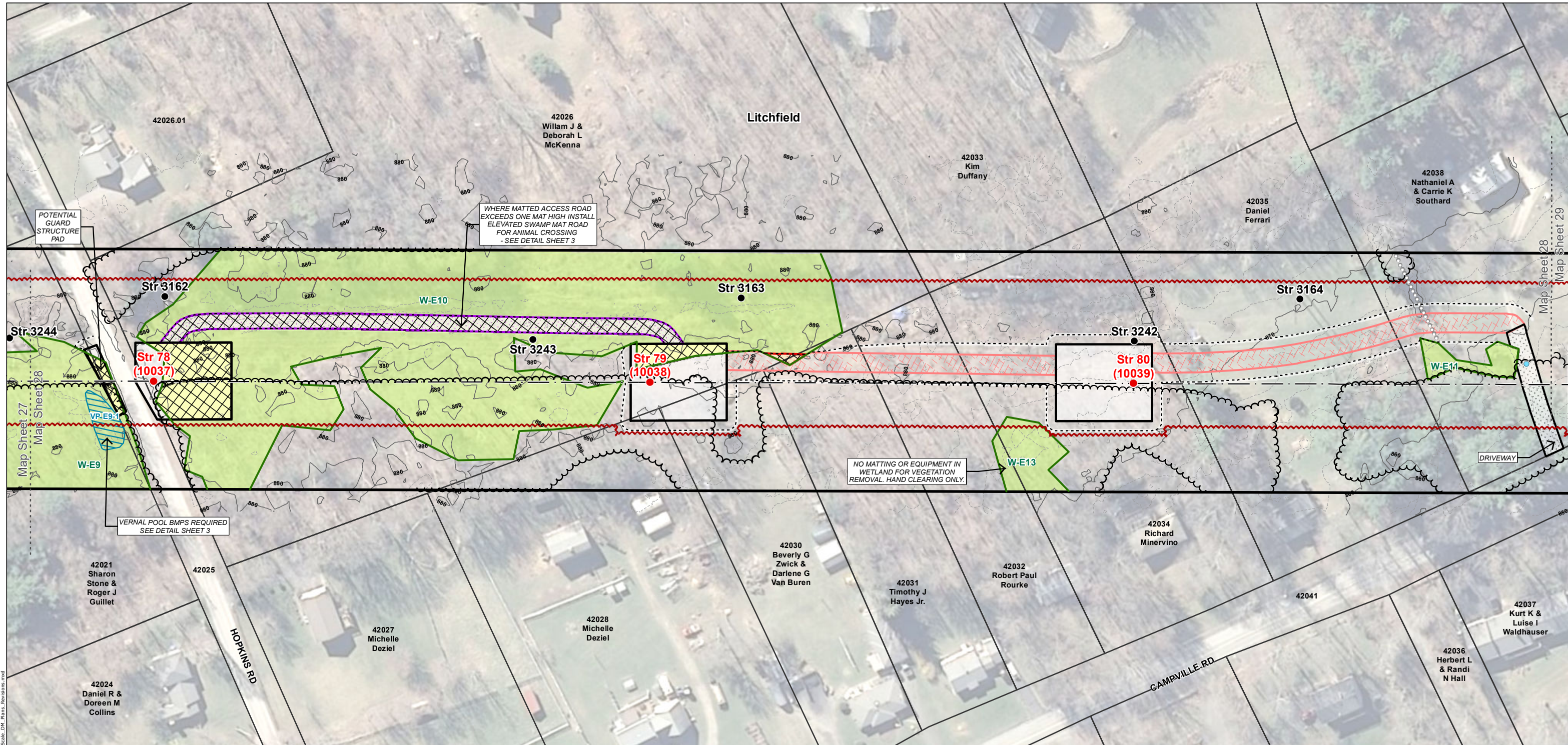
- Proposed Structure
- Structure to be Removed
- Existing Structure
- Existing Right-of-Way
- Proposed 115-kV Line (Centerline)
- Existing Transmission Line to be Removed
- 10' Contour Line
- 2' Contour Line
- Railroad
- Stonewall
- Fence
- Gate
- Tree Line
- Vegetation Removal Limits
- Limit of Disturbance
- Designated Recreation Trail
- Trail Points
- Work Pad
- Existing Access Road
- Existing Alternate Access Road
- New Access Road
- New Alternate Access Road
- New Temporary Access Road
- Proposed Substation Expansion
- Culvert (center)
- Intermittent Watercourse
- Perennial Watercourse
- Ordinary High Water Mark
- Wetland Boundary
- Wetland Area
- Connecticut Wetlands Only
- Temporary Wetland Impact
- Permanent Wetland Impact
- Rare Species
- Vernal Pool
- Decoy Vernal Pool
- Highly Erodible Soils
- 100 Year Flood Zone
- Eversource Owned Property
- Parcel Boundary
- Municipal Boundary
- REV 1 D&M Plan Revision Area
- Map Sheet Matchline
- Underground ADSS
- Temporary Structure
- Temporary Guy Anchor



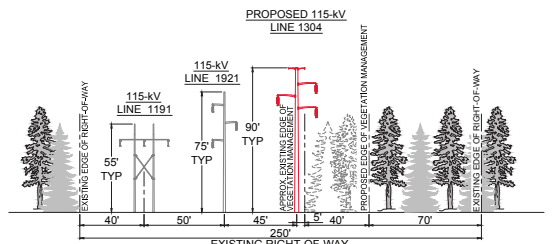
NO.	DATE	REVISIONS	BY	CHK	APP	APP

EVERSOURCE ENERGY
Frost Bridge to Campville
115-kV Project
Development & Management Plan

Litchfield, CT Map Sheet 27 of 35
 January 2017 Map Author: N. Castro



XS-4 VIEW LOOKING NORTH FROM FROST BRIDGE SUBSTATION TOWARDS CAMPVILLE SUBSTATION



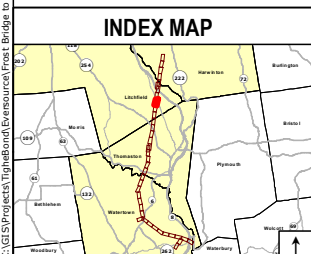
GENERAL NOTES

- PERMIT PLANS ONLY NOT FOR CONSTRUCTION
- THE LIMITS OF DISTURBANCE AS SHOWN DEFINE AREAS WHERE VEGETATION REMOVAL AND GRUBBING, GRADING, AND EXCAVATION MAY OCCUR. MINOR DEVIATIONS MAY BE REQUIRED IN SOME LOCATIONS.
- ALL WORK WILL BE CONDUCTED IN ACCORDANCE WITH THE RELEVANT PORTIONS OF EVERSOURCE'S BMP MANUAL: CONNECTICUT CONSTRUCTION AND MAINTENANCE ENVIRONMENTAL REQUIREMENTS (BMP MANUAL), UNLESS MORE STRINGENT PROJECT-SPECIFIC MEASURES APPLY.
- ALL WORK WILL BE CONDUCTED IN ACCORDANCE WITH THE REQUIREMENTS OF REGULATORY APPROVALS FROM THE U.S. ARMY CORPS OF ENGINEERS AND THE CONNECTICUT DEPARTMENT OF ENERGY AND ENVIRONMENTAL PROTECTION, AND WITH ALL PROJECT PROTOCOLS.
- INSTALL ALL EROSION AND SEDIMENTATION CONTROL MEASURES AS SHOWN ON THE PLANS AND ELSEWHERE AS NECESSARY TO PREVENT SOIL EROSION AND SEDIMENT TRANSPORT, AND COMPLY WITH THE 2002 CONNECTICUT GUIDELINES FOR SOIL EROSION AND SEDIMENT CONTROL. ADDITIONAL CONTROLS, NOT DEPICTED ON THE PLANS, MAY BE NECESSARY FOR COMPLIANCE. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO ASSESS THE NEED FOR, AND INSTALL ADDITIONAL CONTROLS THAT ARE WARRANTED BY SITE CONDITIONS.
- RETAINING WALLS ARE DEPICTED IN SOME LOCATIONS. RETAINING WALLS MAY BE UTILIZED BY THE CONTRACTOR IN ORDER TO PROVIDE AN ADEQUATELY SIZED WORK PAD WHERE STEEP TOPOGRAPHY EXISTS THEREBY AVOIDING NON-COMPLIANT SLOPES PER THE 2002 CONNECTICUT GUIDELINES. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO DETERMINE THE NEED FOR, LOCATION OF, MEANS AND METHODS OF CONSTRUCTION, AND SAFETY MEASURES UTILIZED FOR RETAINING WALLS. RETAINING WALLS MAY BE REQUIRED IN ADDITIONAL LOCATIONS NOT DEPICTED ON THE PLANS.
- UPON COMPLETION OF CONSTRUCTION, IT IS THE CONTRACTOR'S RESPONSIBILITY TO REMOVE RETAINING WALLS, REGRADE, AND STABILIZE SLOPES IN COMPLIANCE WITH THE 2002 CONNECTICUT GUIDELINES.
- ALL TEMPORARY ACCESS ROADS IN UPLANDS ARE DEEMED TO BE PERMANENT UNLESS OTHERWISE NOTED
- EXISTING CULVERTS WILL BE PROTECTED AS DEEMED NECESSARY TO PREVENT DAMAGE DURING CONSTRUCTION
- WETLAND INVASIVE SPECIES CONTROL BMPs APPLY TO WORK WITHIN ALL WETLANDS WITH INVASIVE SPECIES. SEE DETAIL SHEET 2
- VERNAL POOL BMPs ARE REQUIRED WITHIN INDICATED AREAS AS DIRECTED BY THE ENVIRONMENTAL INSPECTOR. SEE DETAIL SHEET 3
- RARE SPECIES AVOIDANCE AND MINIMIZATION MEASURES ARE REQUIRED WITHIN INDICATED AREAS. SEE DETAIL SHEET 4
- FARMLAND PROTECTION MEASURES ARE REQUIRED WITHIN INDICATED AREAS. SEE DETAIL SHEET 5

WORK AREA BOUNDARIES IN / NEAR WETLANDS

- VEGETATION REMOVAL WILL OCCUR WITHIN THE VEGETATION REMOVAL LIMITS AS SHOWN, WITH TEMPORARY ACCESS ROUTES IN AND ACROSS WETLANDS AS NECESSARY UNLESS OTHERWISE NOTED. ADDITIONALLY, DANGER OR HAZARD TREE REMOVAL MAY BE REQUIRED OUTSIDE OF THE VEGETATION REMOVAL LIMITS.
- ALL PROJECT CONSTRUCTION ACTIVITIES IN WETLANDS (EXCLUDING VEGETATION REMOVAL) WILL BE CONTAINED WITHIN THE DEPICTED WORK PADS AND ACCESS ROADS.

STR #	DESCRIPTION	HEIGHT (FT)	FINISH	FOUNDATION
78	DELTA TANGENT	97.5	WEATHERING STEEL	DIRECT EMBEDDED
79	DELTA TANGENT	78.5	WEATHERING STEEL	DIRECT EMBEDDED
80	DELTA TANGENT	83	WEATHERING STEEL	DIRECT EMBEDDED



Legend

- Proposed Structure
- Structure to be Removed
- Existing Structure
- Existing Right-of-Way
- Proposed 115-kV Line (Centerline)
- Existing Transmission Line to be Removed
- 10' Contour Line
- 2' Contour Line
- Railroad
- Stonewall
- Fence
- Gate
- Tree Line
- Vegetation Removal Limits
- Limit of Disturbance
- Designated Recreation Trail
- Trail Points
- Work Pad
- Existing Access Road
- Existing Alternate Access Road
- New Access Road
- New Alternate Access Road
- New Temporary Access Road
- Proposed Substation Expansion
- Culvert (center)
- Intermittent Watercourse
- Perennial Watercourse
- Ordinary High Water Mark
- Wetland Boundary
- Wetland Area
- Connecticut Wetlands Only
- Temporary Wetland Impact
- Permanent Wetland Impact
- Rare Species
- Vernal Pool
- Decoy Vernal Pool
- Highly Erodible Soils
- 100 Year Flood Zone
- Eversource Owned Property
- Parcel Boundary
- Municipal Boundary
- REV 1 D&M Plan Revision Area
- Map Sheet Matchline
- Underground ADSS
- Temporary Structure
- Temporary Guy Anchor

Base Map Source: 2012 Aerial Imagery (CTECO) 0 1 inch = 100 feet 50 100 Feet

NO.	DATE	REVISIONS	BY	CHK	APP	APP

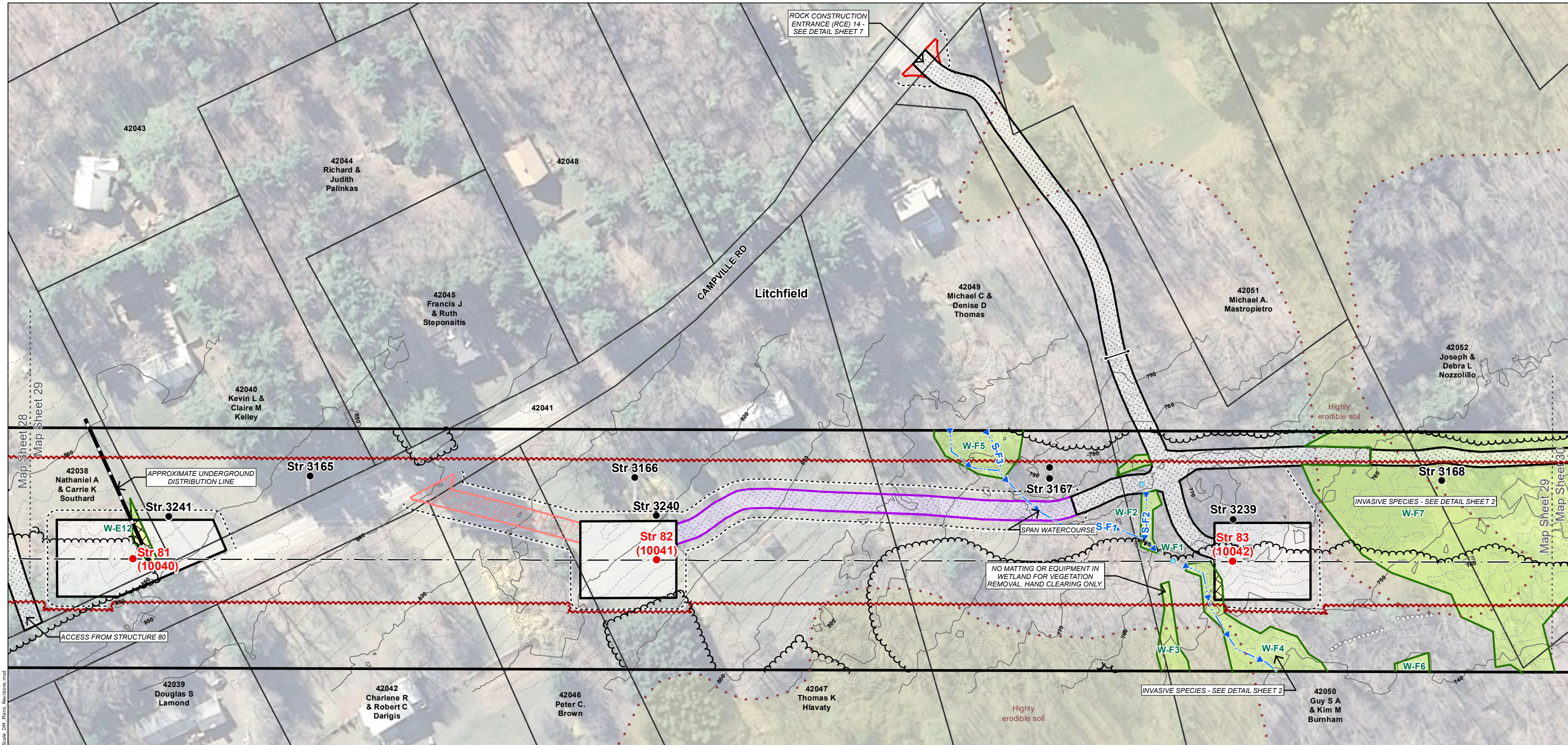
EVERSOURCE ENERGY

Frost Bridge to Campville 115-kV Project Development & Management Plan

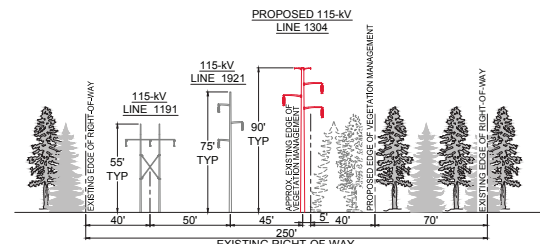
Litchfield, CT Map Sheet 28 of 35

January 2017 Map Author: N. Castro

Tighe & Bond ALL-POINTS TECHNOLOGY CORPORATION



XS-4 VIEW LOOKING NORTH FROM FROST BRIDGE SUBSTATION TOWARDS CAMPVILLE SUBSTATION



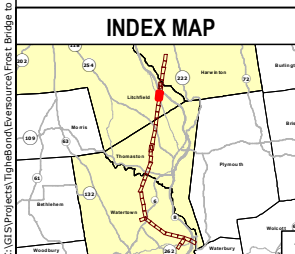
GENERAL NOTES

- PERMIT PLANS ONLY NOT FOR CONSTRUCTION
- THE LIMITS OF DISTURBANCE AS SHOWN DEFINE AREAS WHERE VEGETATION REMOVAL AND GRUBBING, GRADING, AND EXCAVATION MAY OCCUR. MINOR DEVIATIONS MAY BE REQUIRED IN SOME LOCATIONS.
- ALL WORK WILL BE CONDUCTED IN ACCORDANCE WITH THE RELEVANT PORTIONS OF EVERSOURCE'S BMP MANUAL: CONNECTICUT CONSTRUCTION AND MAINTENANCE ENVIRONMENTAL REQUIREMENTS (BMP MANUAL), UNLESS MORE STRINGENT PROJECT-SPECIFIC MEASURES APPLY.
- ALL WORK WILL BE CONDUCTED IN ACCORDANCE WITH THE REQUIREMENTS OF REGULATORY APPROVALS FROM THE U.S. ARMY CORPS OF ENGINEERS AND THE CONNECTICUT DEPARTMENT OF ENERGY AND ENVIRONMENTAL PROTECTION, AND WITH ALL PROJECT PROTOCOLS.
- INSTALL ALL EROSION AND SEDIMENTATION CONTROL MEASURES AS SHOWN ON THE PLANS AND ELSEWHERE AS NECESSARY TO PREVENT SOIL EROSION AND SEDIMENT CONTROL. ADDITIONAL CONTROLS, NOT DEPICTED ON THE PLANS, MAY BE NECESSARY FOR COMPLIANCE. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO ASSESS THE NEED FOR, AND INSTALL ADDITIONAL CONTROLS THAT ARE WARRANTED BY SITE CONDITIONS.
- RETAINING WALLS ARE DEPICTED IN SOME LOCATIONS. RETAINING WALLS MAY BE UTILIZED BY THE CONTRACTOR IN ORDER TO PROVIDE AN ADEQUATELY SIZED WORK PAD WHERE STEEP TOPOGRAPHY EXISTS THEREBY AVOIDING NON-COMPLIANT SLOPES PER THE 2002 CONNECTICUT GUIDELINES. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO DETERMINE THE NEED FOR, LOCATION OF, MEANS AND METHODS OF CONSTRUCTION, AND SAFETY MEASURES UTILIZED FOR RETAINING WALLS. RETAINING WALLS MAY BE REQUIRED IN ADDITIONAL LOCATIONS NOT DEPICTED ON THE PLANS.
- UPON COMPLETION OF CONSTRUCTION, IT IS THE CONTRACTOR'S RESPONSIBILITY TO REMOVE RETAINING WALLS, REGRADE, AND STABILIZE SLOPES IN COMPLIANCE WITH THE 2002 CONNECTICUT GUIDELINES.
- ALL TEMPORARY ACCESS ROADS IN UPLANDS ARE DEEMED TO BE PERMANENT UNLESS OTHERWISE NOTED
- EXISTING CULVERTS WILL BE PROTECTED AS DEEMED NECESSARY TO PREVENT DAMAGE DURING CONSTRUCTION
- WETLAND INVASIVE SPECIES CONTROL BMPs APPLY TO WORK WITHIN ALL WETLANDS WITH INVASIVE SPECIES. SEE DETAIL SHEET 2
- VERNAL POOL BMPs ARE REQUIRED WITHIN INDICATED AREAS AS DIRECTED BY THE ENVIRONMENTAL INSPECTOR. SEE DETAIL SHEET 3
- RARE SPECIES AVOIDANCE AND MINIMIZATION MEASURES ARE REQUIRED WITHIN INDICATED AREAS. SEE DETAIL SHEET 4
- FARMLAND PROTECTION MEASURES ARE REQUIRED WITHIN INDICATED AREAS. SEE DETAIL SHEET 5

WORK AREA BOUNDARIES IN / NEAR WETLANDS

- VEGETATION REMOVAL WILL OCCUR WITHIN THE VEGETATION REMOVAL LIMITS AS SHOWN, WITH TEMPORARY ACCESS ROUTES IN AND ACROSS WETLANDS AS NECESSARY UNLESS OTHERWISE NOTED. ADDITIONALLY, DANGER OR HAZARD TREE REMOVAL MAY BE REQUIRED OUTSIDE OF THE VEGETATION REMOVAL LIMITS.
- ALL PROJECT CONSTRUCTION ACTIVITIES IN WETLANDS (EXCLUDING VEGETATION REMOVAL) WILL BE CONTAINED WITHIN THE DEPICTED WORK PADS AND ACCESS ROADS.

STR #	DESCRIPTION	HEIGHT (FT)	FINISH	FOUNDATION
81	DELTA TANGENT	102	WEATHERING STEEL	DIRECT EMBEDDED
82	DELTA TANGENT	107	WEATHERING STEEL	DIRECT EMBEDDED
83	DELTA TANGENT	83	WEATHERING STEEL	DIRECT EMBEDDED



Legend

- Proposed Structure
- Structure to be Removed
- Existing Structure
- Existing Right-of-Way
- Proposed 115-kV Line (Centerline)
- Existing Transmission Line to be Removed
- 10' Contour Line
- 2' Contour Line
- Railroad
- Stonewall
- Fence
- Gate
- Tree Line
- Vegetation Removal Limits
- Limit of Disturbance
- Designated Recreation Trail
- Trail Points
- Work Pad
- Existing Access Road
- Existing Alternate Access Road
- New Access Road
- New Alternate Access Road
- New Temporary Access Road
- Proposed Substation Expansion
- Culvert (center)
- Intermittent Watercourse
- Perennial Watercourse
- Ordinary High Water Mark
- Wetland Boundary
- Wetland Area
- Connecticut Wetlands Only
- Temporary Wetland Impact
- Permanent Wetland Impact
- Rare Species
- Vernal Pool
- Decoy Vernal Pool
- Highly Erodible Soils
- 100 Year Flood Zone
- Eversource Owned Property
- Parcel Boundary
- Municipal Boundary
- REV 1 D&M Plan Revision Area
- Map Sheet Matchline
- Underground ADSS
- Temporary Structure
- Temporary Guy Anchor

Base Map Source: 2012 Aerial Imagery (CTECO) 0 50 100 Feet
1 inch = 100 feet

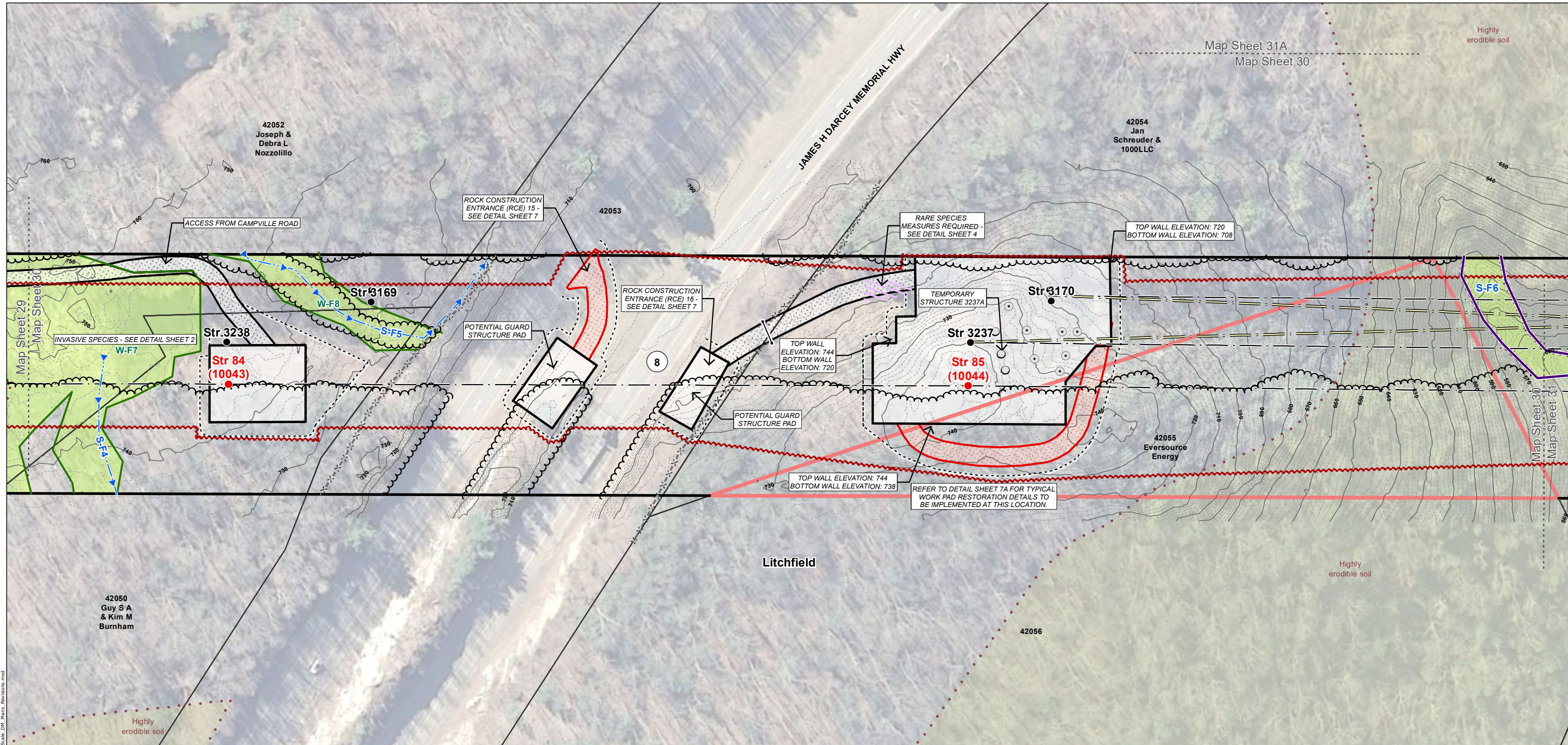
EVERSOURCE ENERGY

Frost Bridge to Campville 115-kV Project Development & Management Plan

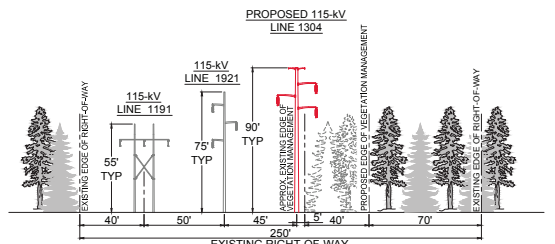
Litchfield, CT Map Sheet 29 of 35
January 2017 Map Author: N. Castro

NO.	DATE	REVISIONS	BY	CHK	APP	APP

Tighe & Bond **ALL-POINTS TECHNOLOGY CORPORATION**



XS-4 VIEW LOOKING NORTH FROM FROST BRIDGE SUBSTATION TOWARDS CAMPVILLE SUBSTATION

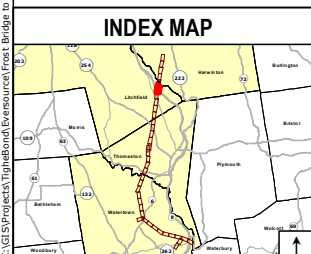


GENERAL NOTES

- PERMIT PLANS ONLY NOT FOR CONSTRUCTION
- THE LIMITS OF DISTURBANCE AS SHOWN DEFINE AREAS WHERE VEGETATION REMOVAL AND GRUBBING, GRADING, AND EXCAVATION MAY OCCUR. MINOR DEVIATIONS MAY BE REQUIRED IN SOME LOCATIONS.
- ALL WORK WILL BE CONDUCTED IN ACCORDANCE WITH THE RELEVANT PORTIONS OF EVERSOURCE'S BMP MANUAL: CONNECTICUT CONSTRUCTION AND MAINTENANCE ENVIRONMENTAL REQUIREMENTS (BMP MANUAL), UNLESS MORE STRINGENT PROJECT-SPECIFIC MEASURES APPLY.
- ALL WORK WILL BE CONDUCTED IN ACCORDANCE WITH THE REQUIREMENTS OF REGULATORY APPROVALS FROM THE U.S. ARMY CORPS OF ENGINEERS AND THE CONNECTICUT DEPARTMENT OF ENERGY AND ENVIRONMENTAL PROTECTION, AND WITH ALL PROJECT PROTOCOLS.
- INSTALL ALL EROSION AND SEDIMENTATION CONTROL MEASURES AS SHOWN ON THE PLANS AND ELSEWHERE AS NECESSARY TO PREVENT SOIL EROSION AND SEDIMENT TRANSPORT, AND COMPLY WITH THE 2002 CONNECTICUT GUIDELINES FOR SOIL EROSION AND SEDIMENT CONTROL. ADDITIONAL CONTROLS, NOT DEPICTED ON THE PLANS, MAY BE NECESSARY FOR COMPLIANCE. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO ASSESS THE NEED FOR, AND INSTALL ADDITIONAL CONTROLS THAT ARE WARRANTED BY SITE CONDITIONS.
- RETAINING WALLS ARE DEPICTED IN SOME LOCATIONS. RETAINING WALLS MAY BE UTILIZED BY THE CONTRACTOR IN ORDER TO PROVIDE AN ADEQUATELY SIZED WORK PAD WHERE STEEP TOPOGRAPHY EXISTS THEREBY AVOIDING NON-COMPLIANT SLOPES PER THE 2002 CONNECTICUT GUIDELINES. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO DETERMINE THE NEED FOR, LOCATION OF, MEANS AND METHODS OF CONSTRUCTION, AND SAFETY MEASURES UTILIZED FOR RETAINING WALLS. RETAINING WALLS MAY BE REQUIRED IN ADDITIONAL LOCATIONS NOT DEPICTED ON THE PLANS.
- UPON COMPLETION OF CONSTRUCTION, IT IS THE CONTRACTOR'S RESPONSIBILITY TO REMOVE RETAINING WALLS, REGRADE, AND STABILIZE SLOPES IN COMPLIANCE WITH THE 2002 CONNECTICUT GUIDELINES.
- ALL TEMPORARY ACCESS ROADS IN UPLANDS ARE DEEMED TO BE PERMANENT UNLESS OTHERWISE NOTED
- EXISTING CULVERTS WILL BE PROTECTED AS DEEMED NECESSARY TO PREVENT DAMAGE DURING CONSTRUCTION
- WETLAND INVASIVE SPECIES CONTROL BMPs APPLY TO WORK WITHIN ALL WETLANDS WITH INVASIVE SPECIES. SEE DETAIL SHEET 2
- VERNAL POOL BMPs ARE REQUIRED WITHIN INDICATED AREAS AS DIRECTED BY THE ENVIRONMENTAL INSPECTOR. SEE DETAIL SHEET 3
- RARE SPECIES AVOIDANCE AND MINIMIZATION MEASURES ARE REQUIRED WITHIN INDICATED AREAS. SEE DETAIL SHEET 4
- FARMLAND PROTECTION MEASURES ARE REQUIRED WITHIN INDICATED AREAS. SEE DETAIL SHEET 5

WORK AREA BOUNDARIES IN / NEAR WETLANDS
 1. VEGETATION REMOVAL WILL OCCUR WITHIN THE VEGETATION REMOVAL LIMITS AS SHOWN, WITH TEMPORARY ACCESS ROUTES IN AND ACROSS WETLANDS AS NECESSARY UNLESS OTHERWISE NOTED. ADDITIONALLY, DANGER OR HAZARD TREE REMOVAL MAY BE REQUIRED OUTSIDE OF THE VEGETATION REMOVAL LIMITS.
 2. ALL PROJECT CONSTRUCTION ACTIVITIES IN WETLANDS (EXCLUDING VEGETATION REMOVAL) WILL BE CONTAINED WITHIN THE DEPICTED WORK PADS AND ACCESS ROADS.

STR #	DESCRIPTION	HEIGHT (FT)	FINISH	FOUNDATION
84	DELTA TANGENT	73.5	WEATHERING STEEL	DIRECT EMBEDDED
85	VERTICAL DEADEND	100	WEATHERING STEEL	DRILLED SHAFT



Legend

- Proposed Structure
- Structure to be Removed
- Existing Structure
- Existing Right-of-Way
- Proposed 115-kV Line (Centerline)
- Existing Transmission Line to be Removed
- 10' Contour Line
- 2' Contour Line
- Railroad
- Stonewall
- Fence
- Gate
- Tree Line
- Vegetation Removal Limits
- Limit of Disturbance
- Designated Recreation Trail
- Trail Points
- Work Pad
- Existing Access Road
- Existing Alternate Access Road
- New Access Road
- New Alternate Access Road
- New Temporary Access Road
- Proposed Substation Expansion
- Culvert (center)
- Intermittent Watercourse
- Perennial Watercourse
- Ordinary High Water Mark
- Wetland Boundary
- Wetland Area
- Connecticut Wetlands Only
- Temporary Wetland Impact
- Permanent Wetland Impact
- Rare Species
- Vernal Pool
- Decoy Vernal Pool
- Highly Erodible Soils
- 100 Year Flood Zone
- Eversource Owned Property
- Parcel Boundary
- Municipal Boundary
- REV 1 D&M Plan Revision Area
- Map Sheet Matchline
- Underground ADSS
- Temporary Structure
- Temporary Guy Anchor

NO.	DATE	REVISIONS	BY	CHK	APP	APP

EVERSOURCE ENERGY

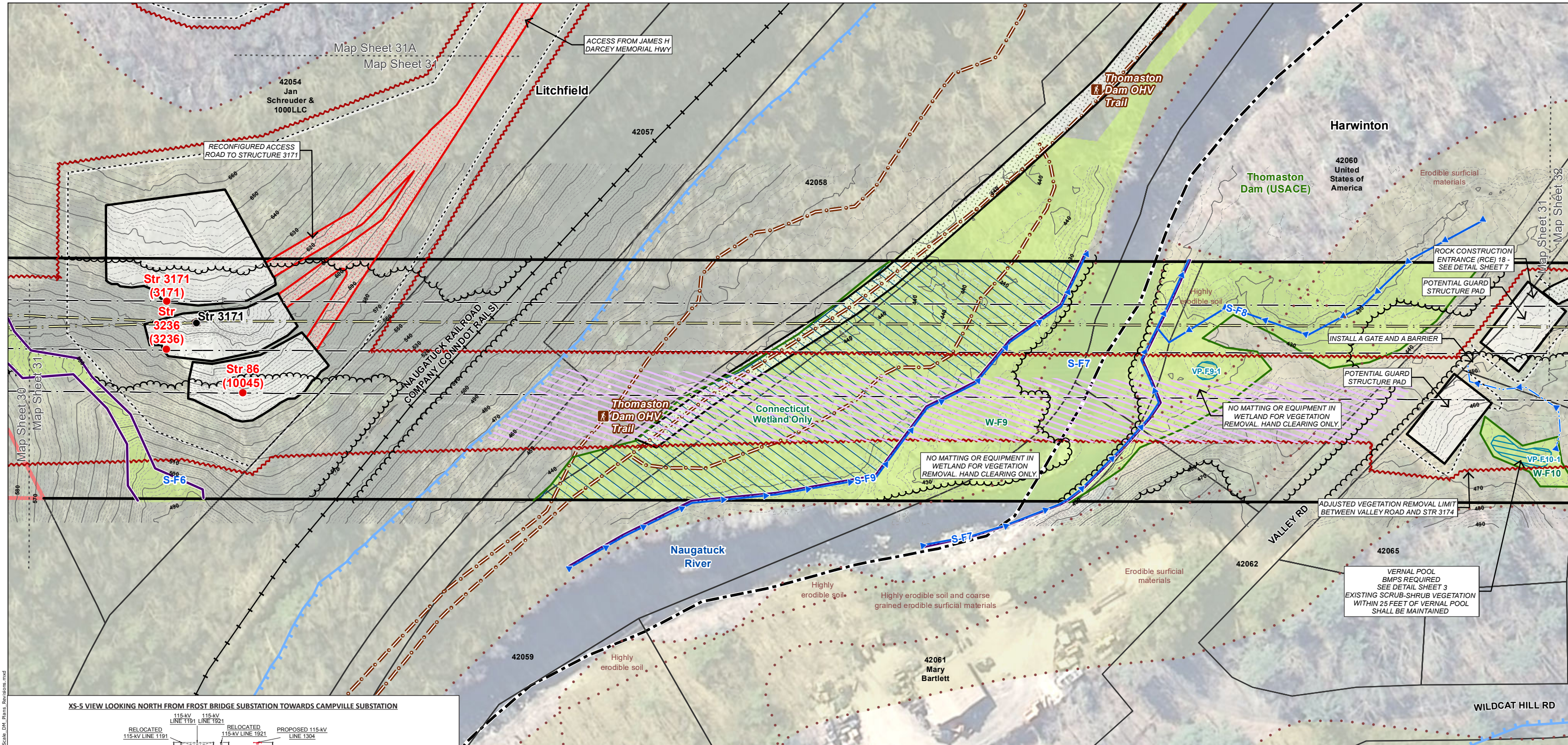
Frost Bridge to Campville 115-kV Project Development & Management Plan

Litchfield, CT Map Sheet 30 of 35

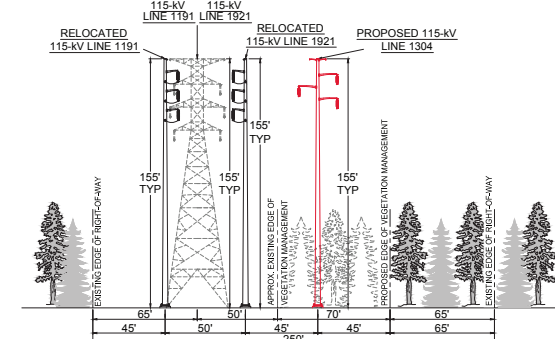
January 2017 Map Author: N. Castro

Tighe & Bond ALL-POINTS TECHNOLOGY CORPORATION

C:\GIS\Projects\TigheBond\Development\Frost Bridge to Campville 115-kV Project\Map\FrostBridgeCampville_10Scale_DM_Plan_Revision.mxd

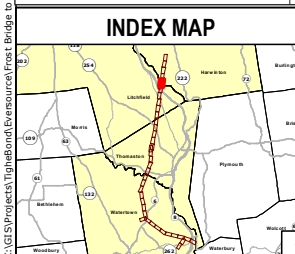


XS-5 VIEW LOOKING NORTH FROM FROST BRIDGE SUBSTATION TOWARDS CAMPVILLE SUBSTATION



- GENERAL NOTES**
- PERMIT PLANS ONLY NOT FOR CONSTRUCTION
 - THE LIMITS OF DISTURBANCE AS SHOWN DEFINE AREAS WHERE VEGETATION REMOVAL AND GRUBBING, GRADING, AND EXCAVATION MAY OCCUR. MINOR DEVIATIONS MAY BE REQUIRED IN SOME LOCATIONS.
 - ALL WORK WILL BE CONDUCTED IN ACCORDANCE WITH THE RELEVANT PORTIONS OF EVERSOURCE'S BMP MANUAL, CONNECTICUT CONSTRUCTION AND MAINTENANCE ENVIRONMENTAL REQUIREMENTS (BMP MANUAL), UNLESS MORE STRINGENT PROJECT-SPECIFIC MEASURES APPLY.
 - ALL WORK WILL BE CONDUCTED IN ACCORDANCE WITH THE REQUIREMENTS OF REGULATORY APPROVALS FROM THE U.S. ARMY CORPS OF ENGINEERS AND THE CONNECTICUT DEPARTMENT OF ENERGY AND ENVIRONMENTAL PROTECTION, AND WITH ALL PROJECT PROTOCOLS.
 - INSTALL ALL EROSION AND SEDIMENTATION CONTROL MEASURES AS SHOWN ON THE PLANS AND ELSEWHERE AS NECESSARY TO PREVENT SOIL EROSION AND SEDIMENT TRANSPORT, AND COMPLY WITH THE 2002 CONNECTICUT GUIDELINES FOR SOIL EROSION AND SEDIMENT CONTROL. ADDITIONAL CONTROLS, NOT DEPICTED ON THE PLANS, MAY BE NECESSARY FOR COMPLIANCE. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO ASSESS THE NEED FOR, AND INSTALL ADDITIONAL CONTROLS THAT ARE WARRANTED BY SITE CONDITIONS.
 - RETAINING WALLS ARE DEPICTED IN SOME LOCATIONS. RETAINING WALLS MAY BE UTILIZED BY THE CONTRACTOR IN ORDER TO PROVIDE AN ADEQUATELY SIZED WORK PAD WHERE STEEP TOPOGRAPHY EXISTS THEREBY AVOIDING NON-COMPLIANT SLOPES PER THE 2002 CONNECTICUT GUIDELINES. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO DETERMINE THE NEED FOR, LOCATION OF, MEANS AND METHODS OF CONSTRUCTION, AND SAFETY MEASURES UTILIZED FOR RETAINING WALLS. RETAINING WALLS MAY BE REQUIRED IN ADDITIONAL LOCATIONS NOT DEPICTED ON THE PLANS.
 - UPON COMPLETION OF CONSTRUCTION, IT IS THE CONTRACTOR'S RESPONSIBILITY TO REMOVE RETAINING WALLS, REGRADE, AND STABILIZE SLOPES IN COMPLIANCE WITH THE 2002 CONNECTICUT GUIDELINES.
 - ALL TEMPORARY ACCESS ROADS IN UPLANDS ARE DEEMED TO BE PERMANENT UNLESS OTHERWISE NOTED
 - EXISTING CULVERTS WILL BE PROTECTED AS DEEMED NECESSARY TO PREVENT DAMAGE DURING CONSTRUCTION
 - WETLAND INVASIVE SPECIES CONTROL BMPs APPLY TO WORK WITHIN ALL WETLANDS WITH INVASIVE SPECIES. SEE DETAIL SHEET 2
 - VERNAL POOL BMPs ARE REQUIRED WITHIN INDICATED AREAS AS DIRECTED BY THE ENVIRONMENTAL INSPECTOR. SEE DETAIL SHEET 3
 - RARE SPECIES AVOIDANCE AND MINIMIZATION MEASURES ARE REQUIRED WITHIN INDICATED AREAS. SEE DETAIL SHEET 4
 - FARMLAND PROTECTION MEASURES ARE REQUIRED WITHIN INDICATED AREAS. SEE DETAIL SHEET 5
- WORK AREA BOUNDARIES IN / NEAR WETLANDS**
- VEGETATION REMOVAL WILL OCCUR WITHIN THE VEGETATION REMOVAL LIMITS AS SHOWN, WITH TEMPORARY ACCESS ROUTES IN AND ACROSS WETLANDS AS NECESSARY UNLESS OTHERWISE NOTED. ADDITIONALLY, DANGER OR HAZARD TREE REMOVAL MAY BE REQUIRED OUTSIDE OF THE VEGETATION REMOVAL LIMITS.
 - ALL PROJECT CONSTRUCTION ACTIVITIES IN WETLANDS (EXCLUDING VEGETATION REMOVAL) WILL BE CONTAINED WITHIN THE DEPICTED WORK PADS AND ACCESS ROADS.

STR #	DESCRIPTION	HEIGHT (FT)	FINISH	FOUNDATION
86	DELTA TANGENT	145	WEATHERING STEEL	DRILLED SHAFT
3236	VERTICAL DEADEND	165	WEATHERING STEEL	DRILLED SHAFT
3171	VERTICAL DEADEND	145	WEATHERING STEEL	DRILLED SHAFT



- Legend**
- Proposed Structure
 - Structure to be Removed
 - Existing Structure
 - Existing Right-of-Way
 - Proposed 115-kV Line (Centerline)
 - Existing Transmission Line to be Removed
 - 10' Contour Line
 - 2' Contour Line
 - Railroad
 - Stonewall
 - Fence
 - Gate
 - Tree Line
 - Vegetation Removal Limits
 - Limit of Disturbance
 - Designated Recreation Trail
 - Trail Points
 - Work Pad
 - Existing Access Road
 - Existing Alternate Access Road
 - New Access Road
 - New Alternate Access Road
 - New Temporary Access Road
 - Proposed Substation Expansion
 - Culvert (center)
 - Intermittent Watercourse
 - Perennial Watercourse
 - Ordinary High Water Mark
 - Wetland Boundary
 - Wetland Area
 - Connecticut Wetlands Only
 - Temporary Wetland Impact
 - Permanent Wetland Impact
 - Rare Species
 - Vernal Pool
 - Decoy Vernal Pool
 - Highly Erodible Soils
 - 100 Year Flood Zone
 - Eversource Owned Property
 - Parcel Boundary
 - Municipal Boundary
 - REV 1 D&M Plan Revision Area
 - Map Sheet Matchline
 - Underground ADSS
 - Temporary Structure
 - Temporary Guy Anchor

Base Map Source: 2012 Aerial Imagery (CTECO) 0 1 inch = 100 feet 50 100 Feet

NO.	DATE	REVISIONS	BY	CHK	APP	APP

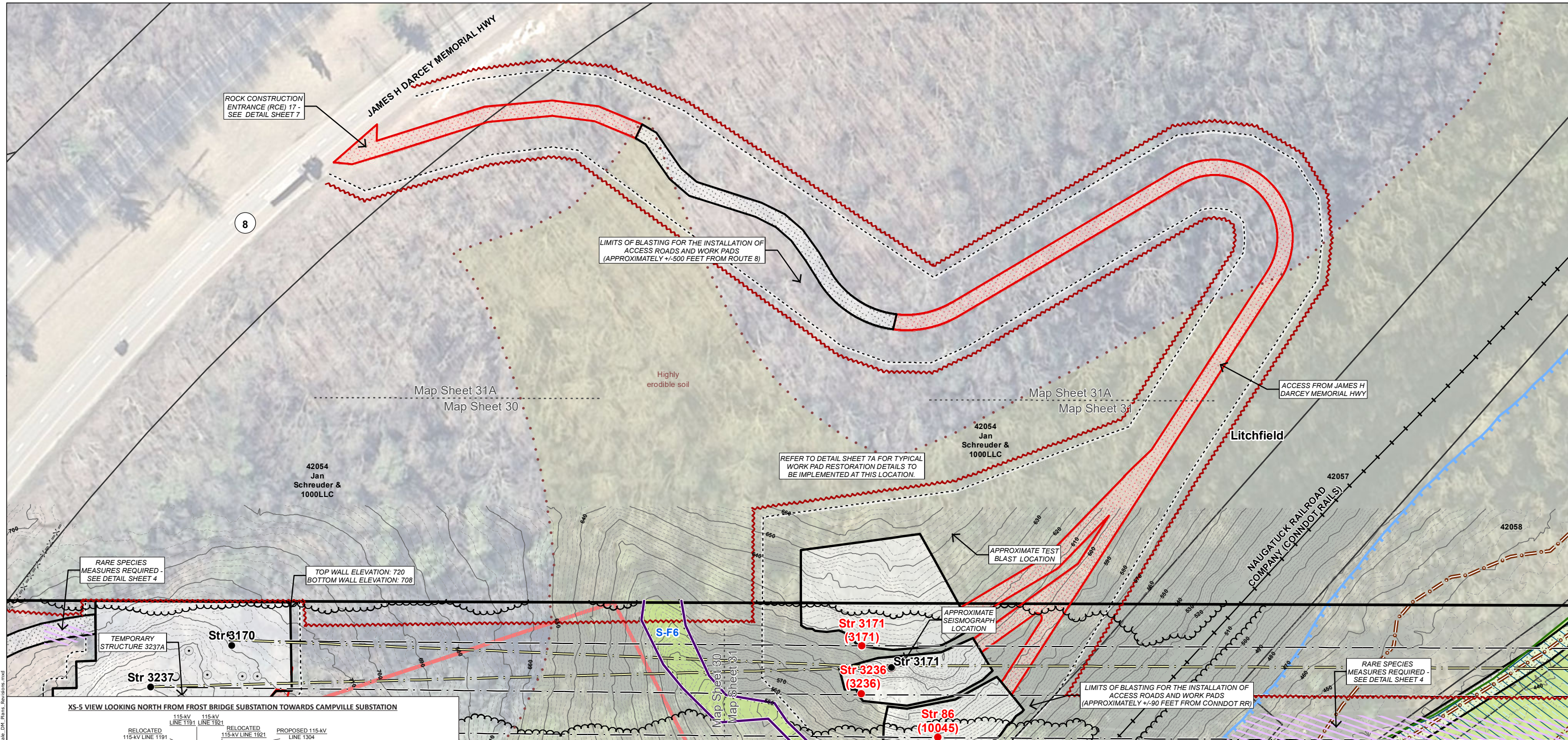
EVERSOURCE ENERGY

Frost Bridge to Campville 115-kV Project Development & Management Plan

Litchfield/Harwinton, CT Map Sheet 31 of 35

January 2017 Map Author: N. Castro

Tighe & Bond ALL-POINTS TECHNOLOGY CORPORATION



RARE SPECIES MEASURES REQUIRED - SEE DETAIL SHEET 4

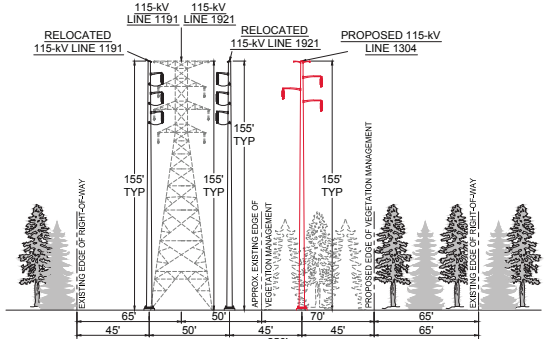
TOP WALL ELEVATION: 720
BOTTOM WALL ELEVATION: 708

REFER TO DETAIL SHEET 7A FOR TYPICAL WORK PAD RESTORATION DETAILS TO BE IMPLEMENTED AT THIS LOCATION.

LIMITS OF BLASTING FOR THE INSTALLATION OF ACCESS ROADS AND WORK PADS (APPROXIMATELY +/-90 FEET FROM CONDOT RR)

RARE SPECIES MEASURES REQUIRED - SEE DETAIL SHEET 4

XS-5 VIEW LOOKING NORTH FROM FROST BRIDGE SUBSTATION TOWARDS CAMPVILLE SUBSTATION



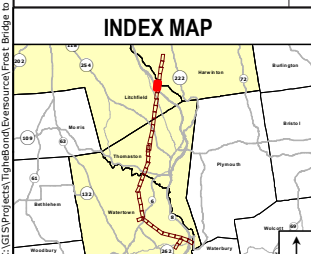
GENERAL NOTES

- PERMIT PLANS ONLY NOT FOR CONSTRUCTION
- THE LIMITS OF DISTURBANCE AS SHOWN DEFINE AREAS WHERE VEGETATION REMOVAL AND GRUBBING, GRADING, AND EXCAVATION MAY OCCUR. MINOR DEVIATIONS MAY BE REQUIRED IN SOME LOCATIONS.
- ALL WORK WILL BE CONDUCTED IN ACCORDANCE WITH THE RELEVANT PORTIONS OF EVERSOURCE'S BMP MANUAL: CONNECTICUT CONSTRUCTION AND MAINTENANCE ENVIRONMENTAL REQUIREMENTS (BMP MANUAL), UNLESS MORE STRINGENT PROJECT-SPECIFIC MEASURES APPLY.
- ALL WORK WILL BE CONDUCTED IN ACCORDANCE WITH THE REQUIREMENTS OF REGULATORY APPROVALS FROM THE U.S. ARMY CORPS OF ENGINEERS AND THE CONNECTICUT DEPARTMENT OF ENERGY AND ENVIRONMENTAL PROTECTION, AND WITH ALL PROJECT PROTOCOLS.
- INSTALL ALL EROSION AND SEDIMENTATION CONTROL MEASURES AS SHOWN ON THE PLANS AND ELSEWHERE AS NECESSARY TO PREVENT SOIL EROSION AND SEDIMENT TRANSPORT, AND COMPLY WITH THE 2002 CONNECTICUT GUIDELINES FOR SOIL EROSION AND SEDIMENT CONTROL. ADDITIONAL CONTROLS, NOT DEPICTED ON THE PLANS, MAY BE NECESSARY FOR COMPLIANCE. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO ASSESS THE NEED FOR, AND INSTALL ADDITIONAL CONTROLS THAT ARE WARRANTED BY SITE CONDITIONS.
- RETAINING WALLS ARE DEPICTED IN SOME LOCATIONS. RETAINING WALLS MAY BE UTILIZED BY THE CONTRACTOR IN ORDER TO PROVIDE AN ADEQUATELY SIZED WORK PAD WHERE STEEP TOPOGRAPHY EXISTS THEREBY AVOIDING NON-COMPLIANT SLOPES PER THE 2002 CONNECTICUT GUIDELINES. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO DETERMINE THE NEED FOR, LOCATION OF, MEANS AND METHODS OF CONSTRUCTION, AND SAFETY MEASURES UTILIZED FOR RETAINING WALLS. RETAINING WALLS MAY BE REQUIRED IN ADDITIONAL LOCATIONS NOT DEPICTED ON THE PLANS.
- UPON COMPLETION OF CONSTRUCTION, IT IS THE CONTRACTOR'S RESPONSIBILITY TO REMOVE RETAINING WALLS, REGRADE, AND STABILIZE SLOPES IN COMPLIANCE WITH THE 2002 CONNECTICUT GUIDELINES.
- ALL TEMPORARY ACCESS ROADS IN UPLANDS ARE DEEMED TO BE PERMANENT UNLESS OTHERWISE NOTED
- EXISTING CULVERTS WILL BE PROTECTED AS DEEMED NECESSARY TO PREVENT DAMAGE DURING CONSTRUCTION
- WETLAND INVASIVE SPECIES CONTROL BMPs APPLY TO WORK WITHIN ALL WETLANDS WITH INVASIVE SPECIES. SEE DETAIL SHEET 2
- VERNAL POOL BMPs ARE REQUIRED WITHIN INDICATED AREAS AS DIRECTED BY THE ENVIRONMENTAL INSPECTOR. SEE DETAIL SHEET 3
- RARE SPECIES AVOIDANCE AND MINIMIZATION MEASURES ARE REQUIRED WITHIN INDICATED AREAS. SEE DETAIL SHEET 4
- FARMLAND PROTECTION MEASURES ARE REQUIRED WITHIN INDICATED AREAS. SEE DETAIL SHEET 5

WORK AREA BOUNDARIES IN / NEAR WETLANDS

- VEGETATION REMOVAL WILL OCCUR WITHIN THE VEGETATION REMOVAL LIMITS AS SHOWN, WITH TEMPORARY ACCESS ROUTES IN AND ACROSS WETLANDS AS NECESSARY UNLESS OTHERWISE NOTED. ADDITIONALLY, DANGER OR HAZARD TREE REMOVAL MAY BE REQUIRED OUTSIDE OF THE VEGETATION REMOVAL LIMITS.
- ALL PROJECT CONSTRUCTION ACTIVITIES IN WETLANDS (EXCLUDING VEGETATION REMOVAL) WILL BE CONTAINED WITHIN THE DEPICTED WORK PADS AND ACCESS ROADS.

STR #	DESCRIPTION	HEIGHT (FT)	FINISH	FOUNDATION
85	VERTICAL DEADEND	100	WEATHERING STEEL	DRILLED SHAFT
86	DELTA TANGENT	145	WEATHERING STEEL	DRILLED SHAFT
3236	VERTICAL DEADEND	165	WEATHERING STEEL	DRILLED SHAFT
3171	VERTICAL DEADEND	145	WEATHERING STEEL	DRILLED SHAFT



Legend

- Proposed Structure
- Structure to be Removed
- Existing Structure
- Existing Right-of-Way
- Proposed 115-kV Line (Centerline)
- Existing Transmission Line to be Removed
- 10' Contour Line
- 2' Contour Line
- Railroad
- Stonewall
- Fence
- Gate
- Tree Line
- Vegetation Removal Limits
- Limit of Disturbance
- Designated Recreation Trail
- Trail Points
- Work Pad
- Existing Access Road
- Existing Alternate Access Road
- New Access Road
- New Alternate Access Road
- New Temporary Access Road
- Proposed Substation Expansion
- Culvert (center)
- Intermittent Watercourse
- Perennial Watercourse
- Ordinary High Water Mark
- Wetland Boundary
- Wetland Area
- Connecticut Wetlands Only
- Temporary Wetland Impact
- Permanent Wetland Impact
- Rare Species
- Vernal Pool
- Decoy Vernal Pool
- Highly Erodible Soils
- 100 Year Flood Zone
- Eversource Owned Property
- Parcel Boundary
- Municipal Boundary
- REV 1 D&M Plan Revision Area
- Map Sheet Matchline
- Underground ADSS
- Temporary Structure
- Temporary Guy Anchor

Base Map Source: 2012 Aerial Imagery (CTECO) 0
1 inch = 100 feet
50 100 Feet

NO.	DATE	REVISIONS	BY	CHK	APP	APP

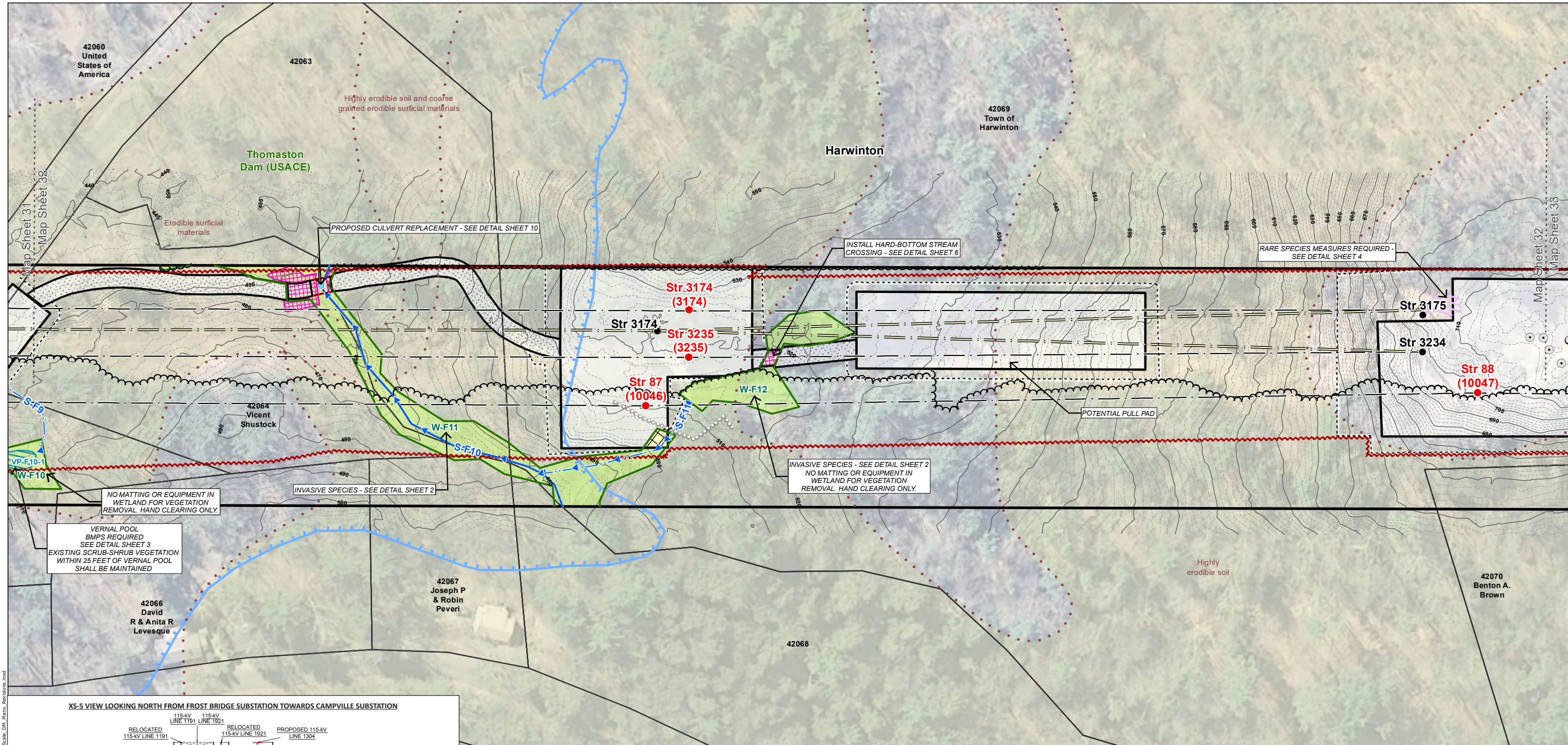
EVERSOURCE ENERGY

Frost Bridge to Campville 115-kV Project Development & Management Plan

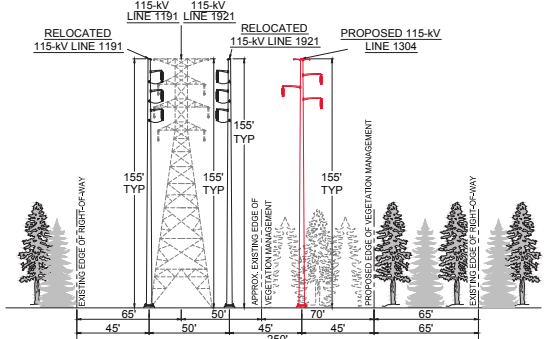
Litchfield, CT Map Sheet 31A of 35

January 2017 Map Author: N. Castro

Tighe & Bond ALL-POINTS TECHNOLOGY CORPORATION



XS-5 VIEW LOOKING NORTH FROM FROST BRIDGE SUBSTATION TOWARDS CAMPVILLE SUBSTATION



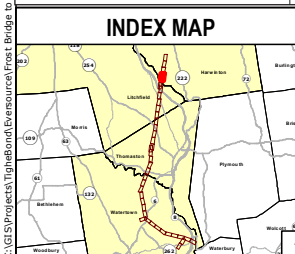
GENERAL NOTES

1. PERMIT PLANS ONLY NOT FOR CONSTRUCTION
2. THE LIMITS OF DISTURBANCE AS SHOWN DEFINE AREAS WHERE VEGETATION REMOVAL AND GRUBBING, GRADING, AND EXCAVATION MAY OCCUR. MINOR DEVIATIONS MAY BE REQUIRED IN SOME LOCATIONS.
3. ALL WORK WILL BE CONDUCTED IN ACCORDANCE WITH THE RELEVANT PORTIONS OF EVERSOURCE'S BMP MANUAL, CONNECTICUT CONSTRUCTION AND MAINTENANCE ENVIRONMENTAL REQUIREMENTS (BMP MANUAL), UNLESS MORE STRINGENT PROJECT-SPECIFIC MEASURES APPLY.
4. ALL WORK WILL BE CONDUCTED IN ACCORDANCE WITH THE REQUIREMENTS OF REGULATORY APPROVALS FROM THE U.S. ARMY CORPS OF ENGINEERS AND THE CONNECTICUT DEPARTMENT OF ENERGY AND ENVIRONMENTAL PROTECTION, AND WITH ALL PROJECT PROTOCOLS.
5. INSTALL ALL EROSION AND SEDIMENTATION CONTROL MEASURES AS SHOWN ON THE PLANS AND ELSEWHERE AS NECESSARY TO PREVENT SOIL EROSION AND SEDIMENT CONTROL. ADDITIONAL CONTROLS, NOT DEPICTED ON THE PLANS, MAY BE NECESSARY FOR COMPLIANCE. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO ASSESS THE NEED FOR, AND INSTALL ADDITIONAL CONTROLS THAT ARE WARRANTED BY SITE CONDITIONS.
6. RETAINING WALLS ARE DEPICTED IN SOME LOCATIONS. RETAINING WALLS MAY BE UTILIZED BY THE CONTRACTOR IN ORDER TO PROVIDE AN ADEQUATELY SIZED WORK PAD WHERE STEEP TOPOGRAPHY EXISTS THEREBY AVOIDING NON-COMPLIANT SLOPES PER THE 2002 CONNECTICUT GUIDELINES. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO DETERMINE THE NEED FOR, LOCATION OF, MEANS AND METHODS OF CONSTRUCTION, AND SAFETY MEASURES UTILIZED FOR RETAINING WALLS. RETAINING WALLS MAY BE REQUIRED IN ADDITIONAL LOCATIONS NOT DEPICTED ON THE PLANS.
7. UPON COMPLETION OF CONSTRUCTION, IT IS THE CONTRACTOR'S RESPONSIBILITY TO REMOVE RETAINING WALLS, REGRADE, AND STABILIZE SLOPES IN COMPLIANCE WITH THE 2002 CONNECTICUT GUIDELINES.
8. ALL TEMPORARY ACCESS ROADS IN UPLANDS ARE DEEMED TO BE PERMANENT UNLESS OTHERWISE NOTED
9. EXISTING CULVERTS WILL BE PROTECTED AS DEEMED NECESSARY TO PREVENT DAMAGE DURING CONSTRUCTION
10. WETLAND INVASIVE SPECIES CONTROL BMPS APPLY TO WORK WITHIN ALL WETLANDS WITH INVASIVE SPECIES. SEE DETAIL SHEET 2
11. VERNAL POOL BMPS ARE REQUIRED WITHIN INDICATED AREAS AS DIRECTED BY THE ENVIRONMENTAL INSPECTOR. SEE DETAIL SHEET 3
12. RARE SPECIES AVOIDANCE AND MINIMIZATION MEASURES ARE REQUIRED WITHIN INDICATED AREAS. SEE DETAIL SHEET 4
13. FARMLAND PROTECTION MEASURES ARE REQUIRED WITHIN INDICATED AREAS. SEE DETAIL SHEET 5

WORK AREA BOUNDARIES IN / NEAR WETLANDS

1. VEGETATION REMOVAL WILL OCCUR WITHIN THE VEGETATION REMOVAL LIMITS AS SHOWN, WITH TEMPORARY ACCESS ROUTES IN AND ACROSS WETLANDS AS NECESSARY UNLESS OTHERWISE NOTED. ADDITIONALLY, DANGER OR HAZARD TREE REMOVAL MAY BE REQUIRED OUTSIDE OF THE VEGETATION REMOVAL LIMITS.
2. ALL PROJECT CONSTRUCTION ACTIVITIES IN WETLANDS (EXCLUDING VEGETATION REMOVAL) WILL BE CONTAINED WITHIN THE DEPICTED WORK PADS AND ACCESS ROADS.

STR #	DESCRIPTION	HEIGHT (FT)	FINISH	FOUNDATION
87	DELTA TANGENT	155	WEATHERING STEEL	DRILLED SHAFT
3235	VERTICAL DEADEND	155	WEATHERING STEEL	DRILLED SHAFT
3174	VERTICAL DEADEND	145	WEATHERING STEEL	DRILLED SHAFT
88	VERTICAL DEADEND	120	WEATHERING STEEL	DRILLED SHAFT



Legend

- Proposed Structure
- Structure to be Removed
- Existing Structure
- Existing Right-of-Way
- Proposed 115-kV Line (Centerline)
- Existing Transmission Line to be Removed
- 10' Contour Line
- 2' Contour Line
- Railroad
- Stonewall
- Fence
- Gate
- Tree Line
- Vegetation Removal Limits
- Limit of Disturbance
- Designated Recreation Trail
- Trail Points
- Work Pad
- Existing Access Road
- Existing Alternate Access Road
- New Access Road
- New Alternate Access Road
- New Temporary Access Road
- Proposed Substation Expansion
- Culvert (center)
- Intermittent Watercourse
- Perennial Watercourse
- Ordinary High Water Mark
- Wetland Boundary
- Wetland Area
- Connecticut Wetlands Only
- Temporary Wetland Impact
- Permanent Wetland Impact
- Rare Species
- Vernal Pool
- Decoy Vernal Pool
- Highly Erodible Soils
- 100 Year Flood Zone
- Eversource Owned Property
- Parcel Boundary
- Municipal Boundary
- REV 1 D&M Plan Revision Area
- Map Sheet Matchline
- Underground ADSS
- Temporary Structure
- Temporary Guy Anchor

Base Map Source: 2012 Aerial Imagery (CTECO) 0 50 100 Feet
1 inch = 100 feet

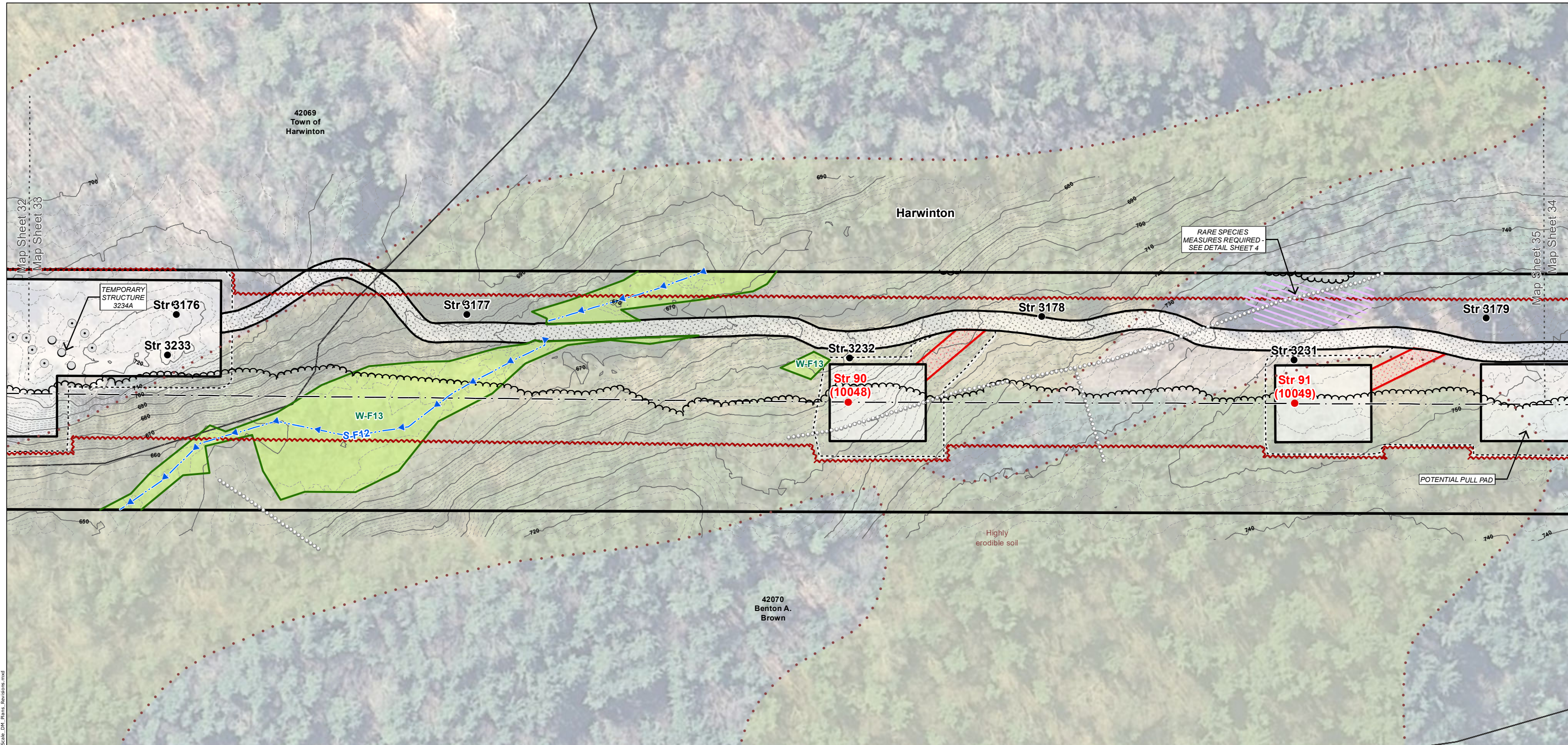
NO.	DATE	REVISIONS	BY	CHK	APP	APP

EVERSOURCE ENERGY
Frost Bridge to Campville 115-kV Project
Development & Management Plan

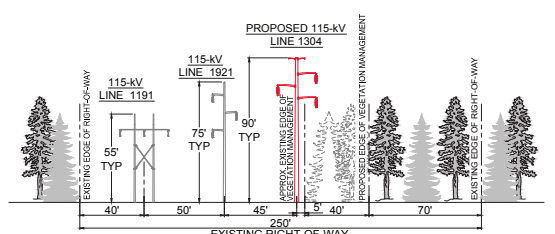
Harwinton, CT
 January 2017

Map Sheet 32 of 35
 Map Author: N. Castro

Tighe & Bond
 ALL-POINTS TECHNOLOGY CORPORATION



XS-6 VIEW LOOKING NORTH FROM FROST BRIDGE SUBSTATION TOWARDS CAMPVILLE SUBSTATION



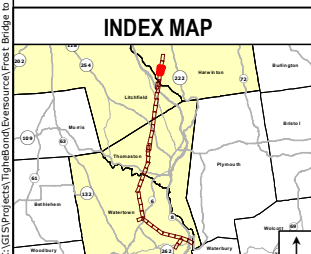
GENERAL NOTES

- PERMIT PLANS ONLY NOT FOR CONSTRUCTION
- THE LIMITS OF DISTURBANCE AS SHOWN DEFINE AREAS WHERE VEGETATION REMOVAL AND GRUBBING, GRADING, AND EXCAVATION MAY OCCUR. MINOR DEVIATIONS MAY BE REQUIRED IN SOME LOCATIONS.
- ALL WORK WILL BE CONDUCTED IN ACCORDANCE WITH THE RELEVANT PORTIONS OF EVERSOURCE'S BMP MANUAL: CONNECTICUT CONSTRUCTION AND MAINTENANCE ENVIRONMENTAL REQUIREMENTS (BMP MANUAL), UNLESS MORE STRINGENT PROJECT-SPECIFIC MEASURES APPLY.
- ALL WORK WILL BE CONDUCTED IN ACCORDANCE WITH THE REQUIREMENTS OF REGULATORY APPROVALS FROM THE U.S. ARMY CORPS OF ENGINEERS AND THE CONNECTICUT DEPARTMENT OF ENERGY AND ENVIRONMENTAL PROTECTION, AND WITH ALL PROJECT PROTOCOLS.
- INSTALL ALL EROSION AND SEDIMENTATION CONTROL MEASURES AS SHOWN ON THE PLANS AND ELSEWHERE AS NECESSARY TO PREVENT SOIL EROSION AND SEDIMENT TRANSPORT, AND COMPLY WITH THE 2002 CONNECTICUT GUIDELINES FOR SOIL EROSION AND SEDIMENT CONTROL. ADDITIONAL CONTROLS, NOT DEPICTED ON THE PLANS, MAY BE NECESSARY FOR COMPLIANCE. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO ASSESS THE NEED FOR, AND INSTALL ADDITIONAL CONTROLS THAT ARE WARRANTED BY SITE CONDITIONS.
- RETAINING WALLS ARE DEPICTED IN SOME LOCATIONS. RETAINING WALLS MAY BE UTILIZED BY THE CONTRACTOR IN ORDER TO PROVIDE AN ADEQUATELY SIZED WORK PAD WHERE STEEP TOPOGRAPHY EXISTS THEREBY AVOIDING NON-COMPLIANT SLOPES PER THE 2002 CONNECTICUT GUIDELINES. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO DETERMINE THE NEED FOR, LOCATION OF, MEANS AND METHODS OF CONSTRUCTION, AND SAFETY MEASURES UTILIZED FOR RETAINING WALLS. RETAINING WALLS MAY BE REQUIRED IN ADDITIONAL LOCATIONS NOT DEPICTED ON THE PLANS.
- UPON COMPLETION OF CONSTRUCTION, IT IS THE CONTRACTOR'S RESPONSIBILITY TO REMOVE RETAINING WALLS, REGRADE, AND STABILIZE SLOPES IN COMPLIANCE WITH THE 2002 CONNECTICUT GUIDELINES.
- ALL TEMPORARY ACCESS ROADS IN UPLANDS ARE DEEMED TO BE PERMANENT UNLESS OTHERWISE NOTED
- EXISTING CULVERTS WILL BE PROTECTED AS DEEMED NECESSARY TO PREVENT DAMAGE DURING CONSTRUCTION
- WETLAND INVASIVE SPECIES CONTROL BMPS APPLY TO WORK WITHIN ALL WETLANDS WITH INVASIVE SPECIES. SEE DETAIL SHEET 2
- VERNAL POOL BMPS ARE REQUIRED WITHIN INDICATED AREAS AS DIRECTED BY THE ENVIRONMENTAL INSPECTOR. SEE DETAIL SHEET 3
- RARE SPECIES AVOIDANCE AND MINIMIZATION MEASURES ARE REQUIRED WITHIN INDICATED AREAS. SEE DETAIL SHEET 4
- FARMLAND PROTECTION MEASURES ARE REQUIRED WITHIN INDICATED AREAS. SEE DETAIL SHEET 5

WORK AREA BOUNDARIES IN / NEAR WETLANDS

- VEGETATION REMOVAL WILL OCCUR WITHIN THE VEGETATION REMOVAL LIMITS AS SHOWN, WITH TEMPORARY ACCESS ROUTES IN AND ACROSS WETLANDS AS NECESSARY UNLESS OTHERWISE NOTED. ADDITIONALLY, DANGER OR HAZARD TREE REMOVAL MAY BE REQUIRED OUTSIDE OF THE VEGETATION REMOVAL LIMITS
- ALL PROJECT CONSTRUCTION ACTIVITIES IN WETLANDS (EXCLUDING VEGETATION REMOVAL) WILL BE CONTAINED WITHIN THE DEPICTED WORK PADS AND ACCESS ROADS.

STR #	DESCRIPTION	HEIGHT (FT)	FINISH	FOUNDATION
90	DELTA TANGENT	97.5	WEATHERING STEEL	DIRECT EMBEDDED
91	DELTA TANGENT	78.5	WEATHERING STEEL	DIRECT EMBEDDED



Legend

- Proposed Structure
- Structure to be Removed
- Existing Structure
- Existing Right-of-Way
- Proposed 115-kV Line (Centerline)
- Existing Transmission Line to be Removed
- 10' Contour Line
- 2' Contour Line
- Railroad
- Stonewall
- Fence
- Gate
- Tree Line
- Vegetation Removal Limits
- Limit of Disturbance
- Designated Recreation Trail
- Trail Points
- Work Pad
- Existing Access Road
- Existing Alternate Access Road
- New Access Road
- New Alternate Access Road
- New Temporary Access Road
- Proposed Substation Expansion
- Culvert (center)
- Intermittent Watercourse
- Perennial Watercourse
- Ordinary High Water Mark
- Wetland Boundary
- Wetland Area
- Connecticut Wetlands Only
- Temporary Wetland Impact
- Permanent Wetland Impact
- Rare Species
- Vernal Pool
- Decoy Vernal Pool
- Highly Erodible Soils
- 100 Year Flood Zone
- Eversource Owned Property
- Parcel Boundary
- Municipal Boundary
- REV 1 D&M Plan Revision Area
- Map Sheet Matchline
- Underground ADSS
- Temporary Structure
- Temporary Guy Anchor

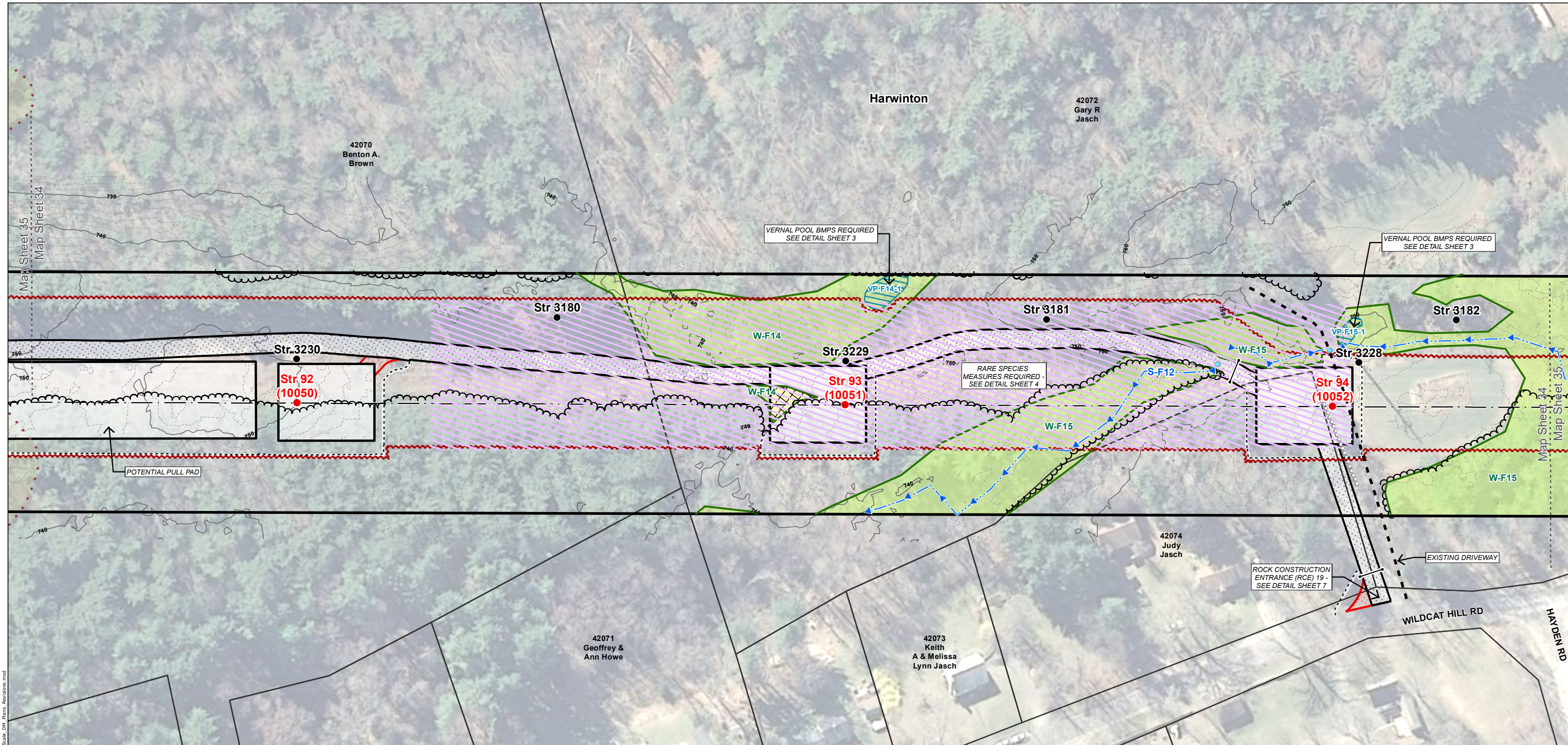
Base Map Source: 2012 Aerial Imagery (CTECO) 0
 1 inch = 100 feet
 50 100 Feet

NO.	DATE	REVISIONS	BY	CHK	APP	APP

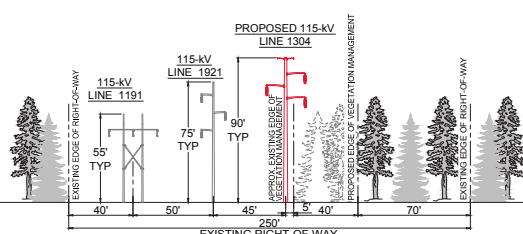
EVERSOURCE ENERGY
Frost Bridge to Campville 115-kV Project
Development & Management Plan

Harwinton, CT Map Sheet 33 of 35
 January 2017 Map Author: N. Castro

Tighe & Bond ALL-POINTS TECHNOLOGY CORPORATION



XS-6 VIEW LOOKING NORTH FROM FROST BRIDGE SUBSTATION TOWARDS CAMPVILLE SUBSTATION

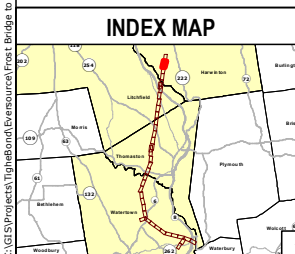


GENERAL NOTES

1. PERMIT PLANS ONLY NOT FOR CONSTRUCTION
2. THE LIMITS OF DISTURBANCE AS SHOWN DEFINE AREAS WHERE VEGETATION REMOVAL AND GRUBBING, GRADING, AND EXCAVATION MAY OCCUR. MINOR DEVIATIONS MAY BE REQUIRED IN SOME LOCATIONS.
3. ALL WORK WILL BE CONDUCTED IN ACCORDANCE WITH THE RELEVANT PORTIONS OF EVERSOURCE'S BMP MANUAL: CONNECTICUT CONSTRUCTION AND MAINTENANCE ENVIRONMENTAL REQUIREMENTS (BMP MANUAL), UNLESS MORE STRINGENT PROJECT-SPECIFIC MEASURES APPLY.
4. ALL WORK WILL BE CONDUCTED IN ACCORDANCE WITH THE REQUIREMENTS OF REGULATORY APPROVALS FROM THE U.S. ARMY CORPS OF ENGINEERS AND THE CONNECTICUT DEPARTMENT OF ENERGY AND ENVIRONMENTAL PROTECTION, AND WITH ALL PROJECT PROTOCOLS.
5. INSTALL ALL EROSION AND SEDIMENTATION CONTROL MEASURES AS SHOWN ON THE PLANS AND ELSEWHERE AS NECESSARY TO PREVENT SOIL EROSION AND SEDIMENT CONTROL. ADDITIONAL CONTROLS, NOT DEPICTED ON THE PLANS, MAY BE NECESSARY FOR COMPLIANCE. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO ASSESS THE NEED FOR, AND INSTALL ADDITIONAL CONTROLS THAT ARE WARRANTED BY SITE CONDITIONS.
6. RETAINING WALLS ARE DEPICTED IN SOME LOCATIONS. RETAINING WALLS MAY BE UTILIZED BY THE CONTRACTOR IN ORDER TO PROVIDE AN ADEQUATELY SIZED WORK PAD WHERE STEEP TOPOGRAPHY EXISTS THEREBY AVOIDING NON-COMPLIANT SLOPES PER THE 2002 CONNECTICUT GUIDELINES. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO DETERMINE THE NEED FOR, LOCATION OF, MEANS AND METHODS OF CONSTRUCTION, AND SAFETY MEASURES UTILIZED FOR RETAINING WALLS. RETAINING WALLS MAY BE REQUIRED IN ADDITIONAL LOCATIONS NOT DEPICTED ON THE PLANS.
7. UPON COMPLETION OF CONSTRUCTION, IT IS THE CONTRACTOR'S RESPONSIBILITY TO REMOVE RETAINING WALLS, REGRADE, AND STABILIZE SLOPES IN COMPLIANCE WITH THE 2002 CONNECTICUT GUIDELINES.
8. ALL TEMPORARY ACCESS ROADS IN UPLANDS ARE DEEMED TO BE PERMANENT UNLESS OTHERWISE NOTED
9. EXISTING CULVERTS WILL BE PROTECTED AS DEEMED NECESSARY TO PREVENT DAMAGE DURING CONSTRUCTION
10. WETLAND INVASIVE SPECIES CONTROL BMPs APPLY TO WORK WITHIN ALL WETLANDS WITH INVASIVE SPECIES. SEE DETAIL SHEET 2
11. VERNAL POOL BMPs ARE REQUIRED WITHIN INDICATED AREAS AS DIRECTED BY THE ENVIRONMENTAL INSPECTOR. SEE DETAIL SHEET 3
12. RARE SPECIES AVOIDANCE AND MINIMIZATION MEASURES ARE REQUIRED WITHIN INDICATED AREAS. SEE DETAIL SHEET 4
13. FARMLAND PROTECTION MEASURES ARE REQUIRED WITHIN INDICATED AREAS. SEE DETAIL SHEET 5

- WORK AREA BOUNDARIES IN / NEAR WETLANDS**
1. VEGETATION REMOVAL WILL OCCUR WITHIN THE VEGETATION REMOVAL LIMITS AS SHOWN, WITH TEMPORARY ACCESS ROUTES IN AND ACROSS WETLANDS AS NECESSARY UNLESS OTHERWISE NOTED. ADDITIONALLY, DANGER OR HAZARD TREE REMOVAL MAY BE REQUIRED OUTSIDE OF THE VEGETATION REMOVAL LIMITS.
 2. ALL PROJECT CONSTRUCTION ACTIVITIES IN WETLANDS (EXCLUDING VEGETATION REMOVAL) WILL BE CONTAINED WITHIN THE DEPICTED WORK PADS AND ACCESS ROADS.

STR #	DESCRIPTION	HEIGHT (FT)	FINISH	FOUNDATION
92	DELTA TANGENT	78.5	WEATHERING STEEL	DIRECT EMBEDDED
93	DELTA TANGENT	88	WEATHERING STEEL	DIRECT EMBEDDED
94	DELTA TANGENT	83	WEATHERING STEEL	DIRECT EMBEDDED



Legend

- Proposed Structure
- Structure to be Removed
- Existing Structure
- Existing Right-of-Way
- Proposed 115-kV Line (Centerline)
- Existing Transmission Line to be Removed
- 10' Contour Line
- 2' Contour Line
- Railroad
- Stonewall
- Fence
- Gate
- Tree Line
- Vegetation Removal Limits
- Limit of Disturbance
- Designated Recreation Trail
- Trail Points
- Work Pad
- Existing Access Road
- Existing Alternate Access Road
- New Access Road
- New Alternate Access Road
- New Temporary Access Road
- Proposed Substation Expansion
- Culvert (center)
- Intermittent Watercourse
- Perennial Watercourse
- Ordinary High Water Mark
- Wetland Boundary
- Wetland Area
- Connecticut Wetlands Only
- Temporary Wetland Impact
- Permanent Wetland Impact
- Rare Species
- Vernal Pool
- Decoy Vernal Pool
- Highly Erodible Soils
- 100 Year Flood Zone
- Eversource Owned Property
- Parcel Boundary
- Municipal Boundary
- REV 1 D&M Plan Revision Area
- Map Sheet Matchline
- Underground ADSS
- Temporary Structure
- Temporary Guy Anchor

Base Map Source: 2012 Aerial Imagery (CTECO) 0
 1 inch = 100 feet
 50 100 Feet

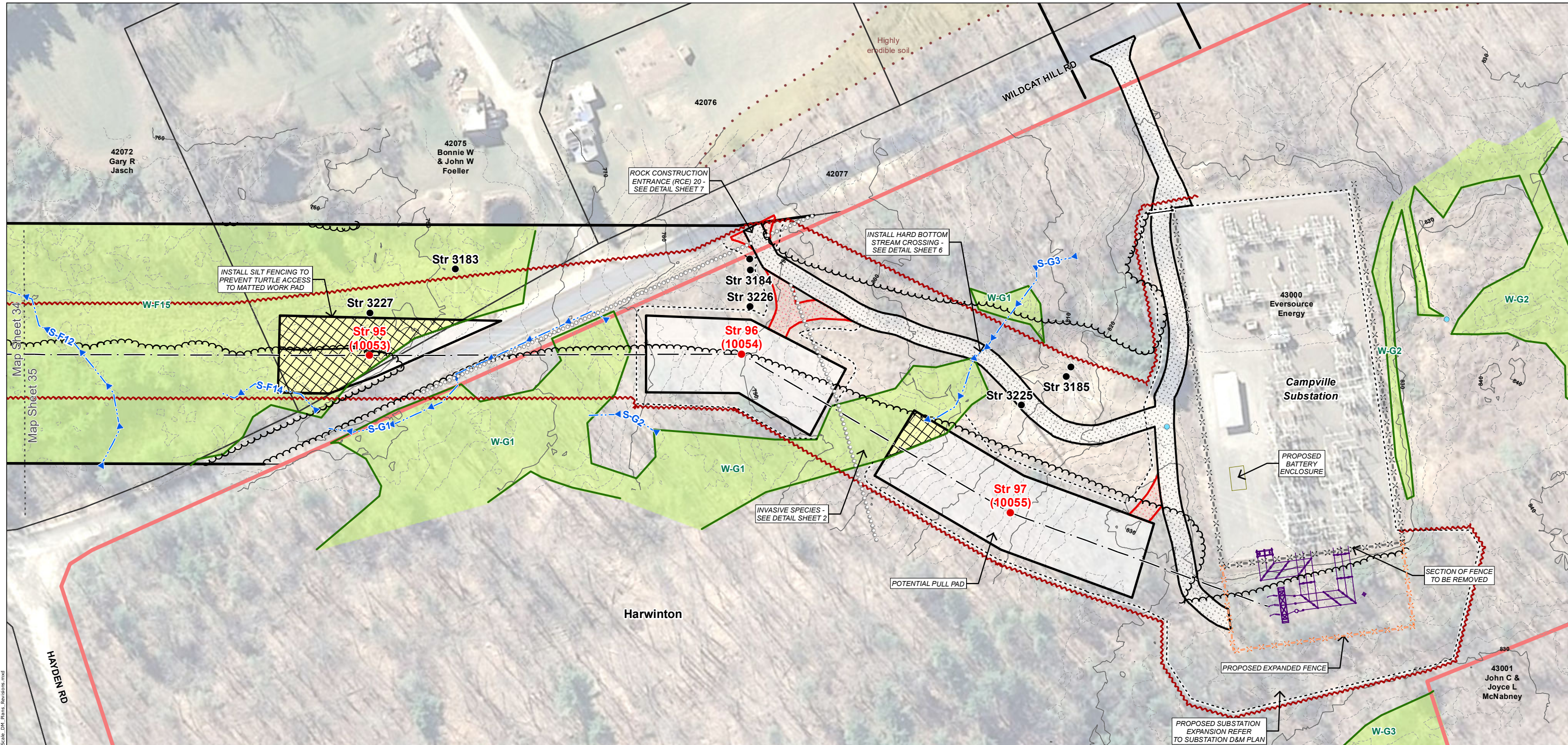
NO.	DATE	REVISIONS	BY	CHK	APP	APP

EVERSOURCE ENERGY
Frost Bridge to Campville 115-kV Project
Development & Management Plan

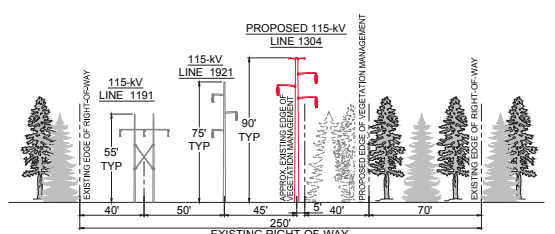
Harwinton, CT
 January 2017

Map Sheet 34 of 35
 Map Author: N. Castro

Tighe & Bond
 ALL-POINTS TECHNOLOGY CORPORATION



XS-6 VIEW LOOKING NORTH FROM FROST BRIDGE SUBSTATION TOWARDS CAMPVILLE SUBSTATION



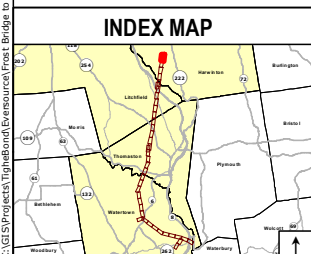
GENERAL NOTES

- PERMIT PLANS ONLY NOT FOR CONSTRUCTION
- THE LIMITS OF DISTURBANCE AS SHOWN DEFINE AREAS WHERE VEGETATION REMOVAL AND GRUBBING, GRADING, AND EXCAVATION MAY OCCUR. MINOR DEVIATIONS MAY BE REQUIRED IN SOME LOCATIONS.
- ALL WORK WILL BE CONDUCTED IN ACCORDANCE WITH THE RELEVANT PORTIONS OF EVERSOURCE'S BMP MANUAL: CONNECTICUT CONSTRUCTION AND MAINTENANCE ENVIRONMENTAL REQUIREMENTS (BMP MANUAL), UNLESS MORE STRINGENT PROJECT-SPECIFIC MEASURES APPLY.
- ALL WORK WILL BE CONDUCTED IN ACCORDANCE WITH THE REQUIREMENTS OF REGULATORY APPROVALS FROM THE U.S. ARMY CORPS OF ENGINEERS AND THE CONNECTICUT DEPARTMENT OF ENERGY AND ENVIRONMENTAL PROTECTION, AND WITH ALL PROJECT PROTOCOLS.
- INSTALL ALL EROSION AND SEDIMENTATION CONTROL MEASURES AS SHOWN ON THE PLANS AND ELSEWHERE AS NECESSARY TO PREVENT SOIL EROSION AND SEDIMENT CONTROL. ADDITIONAL CONTROLS, NOT DEPICTED ON THE PLANS, MAY BE NECESSARY FOR COMPLIANCE. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO ASSESS THE NEED FOR, AND INSTALL ADDITIONAL CONTROLS THAT ARE WARRANTED BY SITE CONDITIONS.
- RETAINING WALLS ARE DEPICTED IN SOME LOCATIONS. RETAINING WALLS MAY BE UTILIZED BY THE CONTRACTOR IN ORDER TO PROVIDE AN ADEQUATELY SIZED WORK PAD WHERE STEEP TOPOGRAPHY EXISTS THEREBY AVOIDING NON-COMPLIANT SLOPES PER THE 2002 CONNECTICUT GUIDELINES. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO DETERMINE THE NEED FOR, LOCATION OF, MEANS AND METHODS OF CONSTRUCTION, AND SAFETY MEASURES UTILIZED FOR RETAINING WALLS. RETAINING WALLS MAY BE REQUIRED IN ADDITIONAL LOCATIONS NOT DEPICTED ON THE PLANS.
- UPON COMPLETION OF CONSTRUCTION, IT IS THE CONTRACTOR'S RESPONSIBILITY TO REMOVE RETAINING WALLS, REGRADE, AND STABILIZE SLOPES IN COMPLIANCE WITH THE 2002 CONNECTICUT GUIDELINES.
- ALL TEMPORARY ACCESS ROADS IN UPLANDS ARE DEEMED TO BE PERMANENT UNLESS OTHERWISE NOTED
- EXISTING CULVERTS WILL BE PROTECTED AS DEEMED NECESSARY TO PREVENT DAMAGE DURING CONSTRUCTION
- WETLAND INVASIVE SPECIES CONTROL BMPs APPLY TO WORK WITHIN ALL WETLANDS WITH INVASIVE SPECIES. SEE DETAIL SHEET 2
- VERNAL POOL BMPs ARE REQUIRED WITHIN INDICATED AREAS AS DIRECTED BY THE ENVIRONMENTAL INSPECTOR. SEE DETAIL SHEET 3
- RARE SPECIES AVOIDANCE AND MINIMIZATION MEASURES ARE REQUIRED WITHIN INDICATED AREAS. SEE DETAIL SHEET 4
- FARMLAND PROTECTION MEASURES ARE REQUIRED WITHIN INDICATED AREAS. SEE DETAIL SHEET 5

WORK AREA BOUNDARIES IN / NEAR WETLANDS

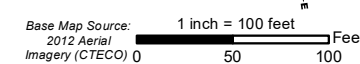
- VEGETATION REMOVAL WILL OCCUR WITHIN THE VEGETATION REMOVAL LIMITS AS SHOWN, WITH TEMPORARY ACCESS ROUTES IN AND ACROSS WETLANDS AS NECESSARY UNLESS OTHERWISE NOTED. ADDITIONALLY, DANGER OR HAZARD TREE REMOVAL MAY BE REQUIRED OUTSIDE OF THE VEGETATION REMOVAL LIMITS.
- ALL PROJECT CONSTRUCTION ACTIVITIES IN WETLANDS (EXCLUDING VEGETATION REMOVAL) WILL BE CONTAINED WITHIN THE DEPICTED WORK PADS AND ACCESS ROADS.

STR #	DESCRIPTION	HEIGHT (FT)	FINISH	FOUNDATION
95	DELTA TANGENT	88.5	WEATHERING STEEL	DIRECT EMBEDDED
96	VERTICAL DEADEND	85	WEATHERING STEEL	DRILLED SHAFT
97	VERTICAL DEADEND	95	WEATHERING STEEL	DRILLED SHAFT



Legend

- Proposed Structure
- Structure to be Removed
- Existing Structure
- Existing Right-of-Way
- Proposed 115-kV Line (Centerline)
- Existing Transmission Line to be Removed
- 10' Contour Line
- 2' Contour Line
- Railroad
- Stonewall
- Fence
- Gate
- Tree Line
- Vegetation Removal Limits
- Limit of Disturbance
- Designated Recreation Trail
- Trail Points
- Work Pad
- Existing Access Road
- Existing Alternate Access Road
- New Access Road
- New Alternate Access Road
- New Temporary Access Road
- Proposed Substation Expansion
- Culvert (center)
- Intermittent Watercourse
- Perennial Watercourse
- Ordinary High Water Mark
- Wetland Boundary
- Wetland Area
- Connecticut Wetlands Only
- Temporary Wetland Impact
- Permanent Wetland Impact
- Rare Species
- Vernal Pool
- Decoy Vernal Pool
- Highly Erodible Soils
- 100 Year Flood Zone
- Eversource Owned Property
- Parcel Boundary
- Municipal Boundary
- REV 1 D&M Plan Revision Area
- Map Sheet Matchline
- Underground ADSS
- Temporary Structure
- Temporary Guy Anchor



NO.	DATE	REVISIONS	BY	CHK	APP	APP

EVERSOURCE ENERGY

Frost Bridge to Campville 115-kV Project Development & Management Plan

Harwinton, CT Map Sheet 35 of 35

January 2017 Map Author: N. Castro

Tighe & Bond ALL-POINTS TECHNOLOGY CORPORATION

C:\GIS\Projects\TigheBond\Development\Frost Bridge to Campville 115-kV Project\Map\FrostBridgeCampville_105Scale_DM_Plan_Revision.mxd




THIS PAGE INTENTIONALLY LEFT BLANK

THIS PAGE INTENTIONALLY LEFT BLANK

PERMITTED WATER RESOURCE IMPACTS

Permit Area	Wetland / Stream ID	Vernal Pool ID	D&M Map Sheet No.	Cowardin Code(s)/ Stream Type	HGM Code(s)	Waters Type(s)	Latitude	Longitude	Activity Type					Discharge of Fill Materials (Summary Acres)			Forested Wetland Tree Clearing- Secondary Impacts - Acres (note that in some areas discharge of fill and secondary impacts are overlapping [impacts not cumulative])
									Discharge of Fill Materials (Temporary Sq. Ft)			Discharge of Fill Materials (Permanent Sq. Ft)		Temporary	Permanent	Total	
									Work Pad	Access Road	Clearing Access	Structure Foundation	Access Road				
N/A	W-A1	-	01	-	-	-	-	-	-	-	-	-	-	-	-	-	0.02*
1	W-A9	-	04	PSS1	RIVERINE	RPW/RPWW	41.6166	-73.0790	3,335	-	-	-	-	0.08	-	0.08	-
2	W-B2	VP B2-1	06	PSS1	DEPRESS	RPWWN	41.6193	-73.0893	712	-	-	-	-	0.02	-	0.04	-
	W-B6	-	07	PSS1	SLOPE/ DEPRESS	RPWWN	41.6214	-73.0925	877	-	-	-	-	0.02	-		
3	W-B11	-	09	PSS1/ POW	SLOPE/ DEPRESS	RPW/RPWW	41.6262	-73.1011	855	-	-	-	-	0.02	-	0.02	-
4	W-C1	-	10	PFO1/ PSS1	SLOPE	RPWWN	41.6296	-73.1040	-	-	2,913	-	-	0.07	-	0.07	0.16
5	W-C4	DVP C4-1	10	PFO1/ PSS1	SLOPE	RPWWN	41.6325	-73.1046	-	-	2,277	-	-	0.05	-	0.05	0.16
N/A	W-C10	VP C10-1	11	-	-	-	-	-	-	-	-	-	-	-	-	-	0.006*
6	W-C12	VP C12-1	11, 12	PSS1/ PFO1	SLOPE/ DEPRESS	RPWWD	41.6368	-73.1057	-	-	2,315	-	-	0.05	-	0.05	0.11
7	W-C15	VP C15-1	12, 13	PFO1/ PSS1	SLOPE/ DEPRESS	RPW/RPWW	41.6398	-73.1064	1,184	-	6,879	-	-	0.19	-	0.19	0.31
8	W-C20	VP C20-1	14	PFO1/ PSS1	SLOPE/ DEPRESS	RPWWN	41.6474	-73.1079	3,929	-	-	-	-	0.09	-	0.09	0.09
N/A	W-C21	VP C21-1	15	-	-	-	-	-	-	-	-	-	-	-	-	-	0.07* (.054 VP depression**)
9	W-D3	-	18	PFO1/ PSS1	SLOPE	RPW/RPWW	41.1003	-73.1003	1,026	-	2,580	-	-	0.08	-	0.08	0.18
N/A	W-D4	VP D4-1	19	-	-	-	-	-	-	-	-	-	-	-	-	-	0.05* (.021 VP Depression**)
N/A	W-D5	VP C5-1	19	-	-	-	-	-	-	-	-	-	-	-	-	-	0.01*
N/A	W-D7	-	21	-	-	-	-	-	-	-	-	-	-	-	-	-	0.10*
10	W-D10	-	22	PFO1	SLOPE	RPWWN	41.6787	-73.0975	-	-	3,184	-	-	0.07	-	0.13	0.58
	W-D11	-	22	PFO1/ PSS1	SLOPE/ DEPRESS	NRPWW	41.6797	-73.0974	-	-	2,384	-	-	0.05	-		
11	W-D12	VP D12-1	22	PSS1/PFO1	SLOPE	RPW/RPWW	41.6814	-73.0969	4,197	5,892	-	-	-	0.23	-	0.23	0.05
N/A	W-D13	-	23	-	-	-	-	-	-	-	-	-	-	-	-	-	0.08*
12	W-E2	DVP E2-1/ E2-1	25, 26	PSS1/ PFO1	SLOPE/ DEPRESS	RPW/RPWW	41.6935	-73.0945	-	-	6,203	-	-	0.14	-	0.14	0.50
13	W-E4	-	26	PFO1/ PSS1	SLOPE	RPWWN	41.6969	-73.0938	-	-	1,201	-	-	0.03	-	0.03	0.08
14	W-E6	-	26	PFO1	SLOPE	RPWWN	41.6989	-73.0935	672	-	2,190	-	-	0.07	-	0.07	0.13
15	W-E8	-	27	PSS1/ PFO1	SLOPE	RPWWN	41.7004	-73.0932	2,055	478	3,665	-	-	0.14	-	0.14	0.27
16	W-E9	VP E9-1	27, 28	PFO1/ PSS1	DEPRESS	RPW/RPWW	41.7042	-73.0926	739	-	5,670	-	-	0.13	-	0.13	0.31 (.17 VP Depression**)
17	W-E10	-	28	PSS1/ PFO1	DEPRESS	RPWWN	41.7045	-73.0926	7,442	8,672	5,487	-	-	0.50	-	0.50	0.44
N/A	W-E13	-	28	-	-	-	-	-	-	-	-	-	-	-	-	-	0.02*
18	W-E12	-	29	PEM2	SLOPE	RPWWN	41.7092	-73.0919	636	-	-	-	-	0.01	-	0.01	-
N/A	W-F3	-	29	-	-	-	-	-	-	-	-	-	-	-	-	-	0.006*
19	W-F4	-	29	PFO1	SLOPE	RPW/RPWW	41.7113	-73.0913	221	-	-	-	-	0.005	-	0.08	0.25
	W-F7	-	29, 30	PEM1/ PFO1/ POW	SLOPE/ DEPRESS	RPW/RPWW	41.7129	-73.0909	-	-	3,195	-	-	0.07	-		
N/A	W-F10	VP F10-1	31, 32	-	-	-	-	-	-	-	-	-	-	-	-	-	.002*
20	W-F11	-	32	PFO1/ PSS1	SLOPE	RPW/RPWW	41.7220	-73.0897	335	-	-	-	1,505	0.008	0.03	0.04	0.18
	W-F12	-	32	PSS1/ PEM2	DEPRESS	RPWWD	41.7233	-73.0893	-	-	-	-	232	-	0.005		
	S-F11	-	32	Perennial	-	RPW	41.7222	-73.0897	-	440	-	-	-	0.01	-		
21	W-F13	-	33	PEM2/ PFO1	DEPRESS	RPW/RPWW	41.7268	-73.0884	-	-	2,986	-	-	0.07	-	0.07	0.28
22	W-F14	VP F14-1	34	PSS1/ PFO1	DEPRESS	NRPWW	41.7320	-73.0874	894	-	-	-	-	0.02	-	0.02	-
23	W-F15	VP F15-1	34, 35	PFO1/ PSS1/ PEM2	RIVERINE/ DEPRESS	RPW/RPWW	41.7351	-73.0868	9,364	-	7,199	28	-	0.38	0.0006	0.38	0.75
24	W-G1	-	35	PFO1/ PSS1	SLOPE	RPW/RPWW	41.7366	-73.7366	1,223	-	2,433	-	-	0.08	-	0.08	0.24
TOTAL													2.68 acres	0.04 acres	2.72 acres	5.43 acres	
TOTAL EXCLUDING NON-JURISDICTIONAL WETLANDS													2.68 acres	0.04 acres	2.72 acres	5.07 acres	

* Impacts are not associated with a discharge of fill material (not subject to jurisdiction under the current Connecticut General Permit)
 ** Tree clearing in vernal pool depression is included in the total secondary impact number, but provided separately for distinction

						 Frost Bridge to Campville 115-kV Project Development & Management Plan	
						PERMITTED WATER RESOURCE IMPACTS	
						Detail Sheet 01 of 11	
NO.	DATE	REVISIONS	BY	CHK	APP	APP	 

THIS PAGE INTENTIONALLY LEFT BLANK

THIS PAGE INTENTIONALLY LEFT BLANK

POTENTIAL PROJECT EFFECTS TO AND BMPS FOR VERNAL POOLS

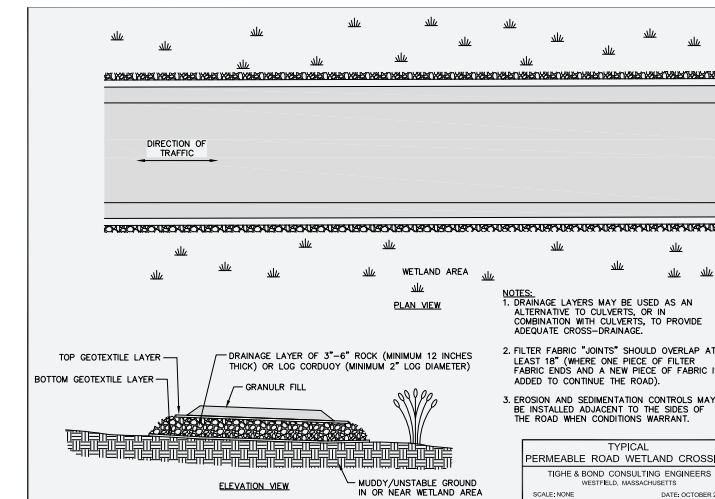
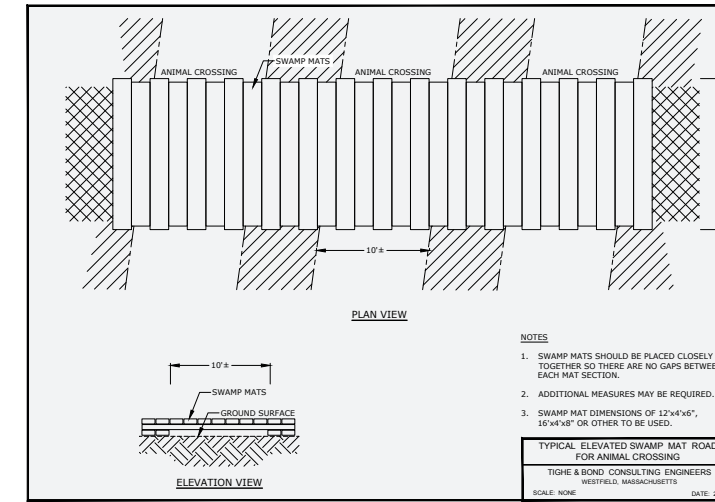
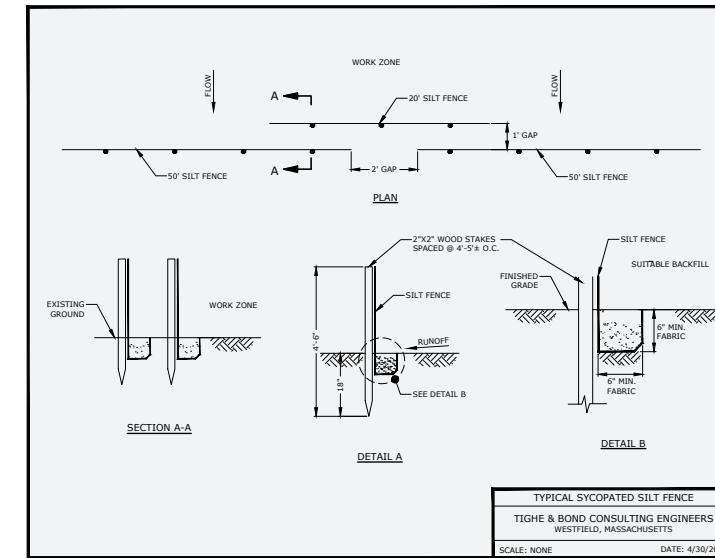
Map Sheet # / Town	Wetland #	Vernal Pool #	Work Proposed in 100' Vernal Pool Envelope (Access Roads and Work Pads)	Tree Clearing Required in 100' Vernal Pool Envelope of Potential Tier 1 Pool (acres / approximate # trees) ²	Work Proposed in Vernal Pool Depression	Tree Clearing Required in Vernal Pool Depression (acres)	Best Management Practices to Minimize Impacts to Vernal Pools (Refer to D&M Mapsheets)
Watertown							
3A	W-MSF2	VP MSF-2	Access Road Improvements.	No tree clearing is anticipated, however side trimming may be necessary along the existing access road.	None	None	Syncopated silt fence and/or straw wattles on the south side of the existing access road – March through June
3A	W-MSF1	VP MSF-1	Access Road Improvements	No tree clearing is anticipated, however side trimming may be necessary along the existing access road.	None	None	Syncopated silt fence and/or straw wattles on the south side of the existing access road – March through June
6	W-B2	VP B2-1	Work Pad		None	None	Exclusion (silt) fencing around work pad – March through June
7	W-B4	VP B4-1	Access Road Improvements	No tree clearing is anticipated. The portion of vernal pool envelope within the Project ROW is presently cleared and maintained as scrub-shrub habitat.	None	None	If E&S controls are deemed necessary along the existing access road, syncopated silt fence and/or straw wattles – March through June
10	W-C4	DVP C4-1	Access Road Improvements		None	None	Road drainage improvements to eliminate surface water impoundment / decoy vernal pool – July through February
11	W-C10	VP C10-1	Tree Clearing, New Access Road, Work Pad		None	None	Where feasible, minimize new gravel fill within 100 feet of vernal pool Syncopated silt fence and/or straw wattles – March through June
11	W-C12	VP C12-1	Access Road Improvements		None	None	Syncopated silt fence and/or straw wattles – March through June Minimize the removal of shrub cover around vernal pool
13	W-C15	VP C15-1	Access Road Improvements		None	None	Syncopated silt fence and/or straw wattles – March through June Minimize the removal of shrub cover around vernal pool
14	W-C20	VP C20-1	Access Road Improvements, Work Pad		None	None	If feasible, avoid matting in vernal pool depression Exclusion (silt) fencing around work pad – March through June
15	W-C21	VP C21-1	Access Road Improvements, Work Pad		None	None	No equipment or matting in vernal pool depression Felling of trees into vernal pool should be avoided Minimize the removal of shrub cover around vernal pool Where feasible, minimize new gravel fill within 100 feet of vernal pool Syncopated silt fence and/or straw wattles – March through June
Thomaston							
19	W-D4	VP D4-1	Access Road Improvements		None	None	No equipment or matting in vernal pool depression Felling of trees into vernal pool should be avoided Minimize the removal of shrub cover around vernal pool Where feasible, minimize new gravel fill within 100 feet of vernal pool. Syncopated silt fence and/or straw wattles – March through June and September through October
19	W-D5	VP D5-1	Access Road Improvements, Tree Clearing		None	None	Syncopated silt fence and/or straw wattles – March through June
21	W-D15	VP D15-1	Work Pad		None	None	Exclusion (silt) fencing around work pad – March through June
22	W-D12	VP D12-1	Work Pad		None	None	Minimize the removal of shrub cover around vernal pool Where construction options allow, provide for amphibian access to and from vernal pool – March through June
Litchfield							
25, 26	W-E2	DVP E2-1 / E2-2	Access Road Improvements, Tree Clearing		None	None	Road drainage improvements to eliminate surface water impoundment / decoy vernal pool – July through February
28	W-E9	VP E9-1	Work Pad, Tree Clearing		None	None	No equipment or matting in vernal pool depression Felling of trees into vernal pool should be avoided Minimize the removal of shrub cover around vernal pool
Harwinton							
31	W-F9	VP F9-1	None anticipated		None	None	None
31, 32	W-F10	VP F10-1	Guard Structure Work Pad		None	None	Felling of trees into vernal pool should be avoided
34	W-F14	VP F14-1	Access Road, Work Pad		None	None	No removal of shrub cover within 25' of vernal pool
34	W-F15	VP F15-1	Work Pad		None	None	No removal of shrub cover within 20' vernal pool

NOTES:
 1 Distance measured horizontally from closest edge of vernal pool depression to new line
 2 Point sampling using a basal area 10 factor prism within the affected areas was utilized to determine tree density

VERNAL POOL AVOIDANCE AND MINIMIZATION MEASURES

THE FOLLOWING MEASURES WILL BE TAKEN TO AVOID OR MINIMIZE IMPACTS ON VERNAL POOL BREEDING HABITAT DURING CONSTRUCTION. ALL VERNAL POOLS WITHIN THE ROW ARE ILLUSTRATED ON THE MAPS. REFER TO POTENTIAL EFFECTS TO VERNAL POOLS, AND SITE SPECIFIC BMPS. THESE MEASURES WILL BE IMPLEMENTED TO THE EXTENT PRACTICABLE, TAKING INTO CONSIDERATION TERRAIN, SAFETY, AND CONSTRUCTION REQUIREMENTS:

- A. DURING TREE CLEARING AND VEGETATION REMOVAL ALONG THE ROW, ACCESS THROUGH VERNAL POOLS WILL BE AVOIDED.
- B. TREES THAT MUST BE REMOVED FROM THE ROW WILL NOT BE INTENTIONALLY FELLED INTO VERNAL POOLS. DIRECTIONAL FELLING, EXTENDED CABLE WINCHING, AND OTHER FORESTRY PRACTICES WILL BE USED IF APPROPRIATE AND FEASIBLE. IF TREES ARE FELLED INTO A VERNAL POOL, WHETHER OUT OF NECESSITY OR INADVERTENTLY, AND REMOVAL IS LIKELY TO CAUSE ADVERSE IMPACTS, THE TREES OR PARTS OF THE TREES MAY BE LEFT IN PLACE.
- C. EXCEPT IN AREAS WHERE ACCESS ROADS AND WORK PADS MUST BE INSTALLED, EXISTING SCRUB-SHRUB VEGETATION WITHIN 25 FEET OF VERNAL POOLS WILL BE MAINTAINED, CONSISTENT WITH ROW VEGETATION MANAGEMENT REQUIREMENTS. IF LOW GROWING (SCRUB-SHRUB) VEGETATION MUST BE REMOVED ADJACENT TO VERNAL POOLS, THE CUT VEGETATION (SLASH) WILL BE LEFT IN PLACE TO SERVE AS RECRUITMENT FOR LEAF LITTER AND COARSE WOODY DEBRIS.
- D. EROSION AND SEDIMENTATION CONTROL BEST MANAGEMENT PRACTICES WILL BE INSTALLED AND MAINTAINED ALONG CONSTRUCTION ACCESS ROADS AND AROUND WORK PADS AS NECESSARY TO PROTECT WATER QUALITY AND TO LIMIT THE POTENTIAL FOR SOIL DEPOSITION INTO VERNAL POOLS. SEDIMENT BUILT UP AGAINST THESE DEVICES WILL PERIODICALLY BE REMOVED AND PLACED IN UPLAND AREAS, IN A MANNER THAT WILL PRECLUDE THE POTENTIAL FOR SUBSEQUENT DEPOSITION INTO THE POOLS. (NOTE: THE SPECIFIC TYPES OF CONTROLS WILL BE DETERMINED IN THE FIELD, IN ACCORDANCE WITH EVERSOURCE'S BMP MANUAL AND CONSISTENT WITH STORMWATER MANAGEMENT REQUIREMENTS FOR THE PROJECT – SEE L, BELOW).
- E. PLASTIC NETTING, WHICH MAY BE FOUND IN A VARIETY OF EROSION CONTROL PRODUCTS (E.G., EROSION CONTROL BLANKETS, STRAW WATTLES, AND REINFORCED SILT FENCE), WILL NOT BE USED.
- F. DECOY VERNAL POOLS IN THE FORM OF SURFACE WATER IMPOUNDMENTS ALONG EXISTING ON-ROW ACCESS ROADS ARE SHOWN ON THE D&M PLAN MAPS (VOLUME 3). THESE FEATURES GENERALLY CONTAIN LITTLE VEGETATION FOR EGG MASS ATTACHMENT AND INSUFFICIENT HYDROPERIOD FOR SUCCESSFUL LARVAL DEVELOPMENT. EVERSOURCE WILL ATTEMPT TO PERFORM IMPROVEMENTS TO ACCESS ROADS AT THESE LOCATIONS OUTSIDE OF THE BREEDING AND MIGRATION SEASONS OF VERNAL POOL SPECIES TO ELIMINATE THESE FEATURES. IMPROVEMENTS SHOULD ATTEMPT TO IMPROVE DRAINAGE THROUGH THE SUBJECT ACCESS ROADS TO ELIMINATE OR REDUCE IMPOUNDMENT. FILLING OF DECOY POOLS IS NOT AUTHORIZED UNDER THE PROJECTS PERMIT APPROVALS.
- G. WHERE FEASIBLE, MINIMIZE THE USE OF GRAVEL FILL ASSOCIATED WITH ACCESS ROADS, CONSTRUCTION WORK PADS OR PULL PADS WITHIN VERNAL POOL ENVELOPES (0-100 FEET).
- H. TO THE EXTENT THAT CIRCUIT OUTAGE AND OTHER CONSTRUCTION TIMING CONSTRAINTS ALLOW, EVERSOURCE WILL ATTEMPT TO SCHEDULE THE INSTALLATION OF ACCESS ROADS AND WORK PADS IN AND AROUND VERNAL POOL HABITATS SO AS NOT TO INTERFERE WITH AMPHIBIAN BREEDING AND MIGRATION SEASONS (MARCH THROUGH JUNE FOR ALL VERNAL POOLS AND SEPTEMBER THROUGH OCTOBER FOR VERNAL POOL D4-1). FOR PROJECT ACTIVITIES THAT MUST OCCUR ADJACENT TO OR WITHIN VERNAL POOLS DURING AMPHIBIAN MIGRATION PERIODS, (MARCH THROUGH JUNE FOR ALL VERNAL POOLS AND SEPTEMBER THROUGH OCTOBER FOR VERNAL POOL D4-1). MEASURES WILL BE IMPLEMENTED ON A SITE-SPECIFIC BASIS AS NECESSARY TO FACILITATE UNENCUMBERED AMPHIBIAN ACCESS TO AND FROM VERNAL POOLS. MITIGATION MEASURES WILL BE IDENTIFIED AFTER TAKING INTO CONSIDERATION SITE-SPECIFIC CONDITIONS, INCLUDING THE TYPE OF CONSTRUCTION ACTIVITY IN PROXIMITY TO A VERNAL POOL, THE AMPHIBIAN SPECIES KNOWN TO OCCUR IN THE VERNAL POOL, AND SEASONAL CONDITIONS. OPTIONS TO BE EVALUATED TO ALLOW AMPHIBIAN ACCESS TO VERNAL POOLS MAY INCLUDE, BUT NOT BE LIMITED TO SYNCOPATED SEDIMENTATION CONTROL FENCING OR WATTLES IN THE IMMEDIATE VICINITY OF VERNAL POOLS; ELEVATED CONSTRUCTION MATTING, AND ALIGNING EROSION AND SEDIMENTATION CONTROLS TO AVOID BIFURCATING VERNAL POOL HABITAT. INSTALLATION OF ANY MITIGATION DEVICES WILL BE BASED ON FIELD AND SEASONAL CONDITIONS, AND WILL DEPEND ON SPECIES-SPECIFIC REQUIREMENTS. FURTHER, IN SOME CASES, THE OBJECTIVE MAY BE TO FENCE OFF CONSTRUCTION AREAS NEAR VERNAL POOLS, ALLOWING AMPHIBIAN ACCESS AROUND SUCH AREAS ENTIRELY.
- I. EROSION AND SEDIMENTATION CONTROL DEVICES WILL BE PROMPTLY REMOVED UPON FINAL REVEGETATION AND STABILIZATION OF THE ROW.



						EVERSOURCE ENERGY	
						Frost Bridge to Campville 115-kV Project Development & Management Plan	
						VERNAL POOL PROTOCOLS	
						Detail Sheet 03 of 11	
Tighe & Bond		ALL-POINTS TECHNOLOGY CORPORATION					

THIS PAGE INTENTIONALLY LEFT BLANK

RARE SPECIES AVOIDANCE AND MINIMIZATION MEASURES

WOOD TURTLE (*GLYPTEMYS INSCULPTA*)

SPECIES DESIGNATION: SPECIAL CONCERN

PROJECT ROW HABITAT:

- CONTACT EVERSOURCE ENVIRONMENTAL LICENSING AND PERMITTING

SITE-SPECIFIC IMPACT AVOIDANCE AND MINIMIZATION MEASURES:

EVERSOURCE DOES NOT ANTICIPATE ANY WORK ASSOCIATED WITH THE CONSTRUCTION OF THE NEW TRANSMISSION LINES TO OCCUR WITHIN WATERBODIES KNOWN TO, OR POTENTIALLY SUPPORTING THIS SPECIES (BRANCH BROOK, NORTHFIELD BROOK, OR THE NAUGATUCK RIVER). ALTHOUGH THE CONSTRUCTION OF THE PROPOSED PROJECT IS UNLIKELY TO AFFECT TURTLES DURING THE HIBERNATING PERIOD, IT IS POSSIBLE THAT ACTIVITIES (E.G., VEGETATION REMOVAL AND GRADING) PERFORMED IN TERRESTRIAL HABITATS ALONG THE ROW DURING THE TURTLES ACTIVE PERIOD (APRIL THROUGH OCTOBER) COULD ADVERSELY AFFECT INDIVIDUAL TURTLES. FOR EXAMPLE, TURTLES COULD BE KILLED OR TEMPORARILY DISPLACED AS A RESULT OF CONSTRUCTION ACTIVITIES. HOWEVER, WHEN CONSTRUCTION IS COMPLETE, THE TURTLES WOULD ONCE AGAIN UTILIZE THESE HABITATS.

IN ORDER TO MINIMIZE THE POTENTIAL FOR ADVERSE EFFECTS TO WOOD TURTLES, THE FOLLOWING ARE PROTECTION STRATEGIES AND TECHNIQUES PROPOSED FOR THE PROTECTION OF THIS SPECIES DURING PROJECT CONSTRUCTION ACTIVITIES:

GENERAL:

- A CONTRACTOR AWARENESS PROGRAM WILL BE DEVELOPED AND IMPLEMENTED TO ENSURE THAT CONTRACTORS WORKING IN THE AREA HAVE BEEN INSTRUCTED ON THE PROPER RESPONSE IN THE EVENT THAT A WOOD TURTLE IS OBSERVED IN THE WORK AREA.

FOR CONSTRUCTION ACTIVITIES DURING THE WOOD TURTLE'S INACTIVE SEASON (NOVEMBER 1 TO APRIL 1):

- THE REMOVAL OF LOW-GROWTH VEGETATION AND TREE STUMPS ADJACENT TO THE BANKS OF IDENTIFIED SUITABLE RIPARIAN HABITAT WILL BE AVOIDED AND MINIMIZED TO THE GREATEST EXTENT POSSIBLE.
- MOWING IN PREPARATION OF PROJECT CONSTRUCTION ACTIVITIES WILL BE LIMITED TO WORK AREAS AND, TO THE EXTENT PRACTICABLE, CONDUCTED IN THE INACTIVE SEASON, BETWEEN NOVEMBER 1 AND APRIL 1.

FOR CONSTRUCTION ACTIVITIES DURING THE WOOD TURTLE'S ACTIVE SEASON (APRIL 1 TO NOVEMBER 1):

- A SWEEP OF THE WORK AREA SHALL BE CONDUCTED PRIOR TO HEAVY MACHINERY ACCESS, CONSTRUCTION, AND/OR MOWING TO LOOK FOR BASKING TURTLES.
- IF MOWING DURING THE ACTIVE SEASON IS REQUIRED, VEGETATION WILL BE MOWED TO NO LOWER THAN 7 INCHES. FLAIL-TYPE MOWERS WILL NOT BE USED FOR MOWING IN THE ACTIVE SEASON.
- ANY TURTLE ENCOUNTERED DURING CONSTRUCTION WILL BE MOVED, UNHARMED, TO AN AREA IMMEDIATELY OUTSIDE OF THE WORK AREA, AND POSITIONED IN THE SAME DIRECTION THAT IT WAS HEADING WHEN DISCOVERED. WORKERS WILL BE INFORMED THAT TURTLES SHOULD NEVER BE MOVED OFF SITE.
- ALL SILT FENCING WILL BE REMOVED AFTER WORK IS COMPLETED AND SOILS ARE STABLE SO THAT REPTILE AND AMPHIBIAN MOVEMENT IS NOT RESTRICTED.
- ANY CONFIRMED SIGHTINGS OF THIS SPECIES WILL BE REPORTED TO THE CT DEEP NDDB.

NORTHERN SPRING SALAMANDER (*GYRINOPHILUS PORPHYRITICUS*)

SPECIES DESIGNATION: THREATENED

PROJECT ROW HABITAT:

- CONTACT EVERSOURCE ENVIRONMENTAL LICENSING AND PERMITTING

SITE-SPECIFIC IMPACT AVOIDANCE AND MINIMIZATION MEASURES:

THE FOLLOWING MEASURES ARE PROPOSED FOR THE PROTECTION OF THIS SPECIES DURING CONSTRUCTION ACTIVITIES:

- IMPLEMENT EROSION AND SEDIMENTATION CONTROLS THAT INCORPORATE BEST MANAGEMENT PRACTICES TO MINIMIZE OR AVOID SEDIMENT DEPOSITION INTO WETLANDS DRAINING TO THE SPRING SALAMANDER'S STREAM HABITAT; AND/OR
- CONDUCT CONSTRUCTION-PHASE STORMWATER MONITORING TO DOCUMENT THE CONDITION AND, AS NECESSARY, THE MAINTENANCE OF EROSION AND SEDIMENTATION CONTROLS AND BEST MANAGEMENT PRACTICES. PROMPT CONTRACTOR RESPONSE TO REPAIR / MAINTAIN THESE CONTROLS, AS REQUIRED PURSUANT TO REGULATORY APPROVALS, WILL AVOID OR MINIMIZE THE POTENTIAL FOR DISCHARGE OF SEDIMENT TO WETLANDS AND WATERCOURSES, OR DEGRADATION OF WATER QUALITY, WHICH MIGHT ADVERSELY AFFECT THIS SPECIES.

SMOOTH GREEN SNAKE (*LIOCHLOROPHIS VERNALIS*)

SPECIES DESIGNATION: SPECIAL CONCERN

PROJECT ROW HABITAT:

- CONTACT EVERSOURCE ENVIRONMENTAL LICENSING AND PERMITTING

SITE-SPECIFIC IMPACT AVOIDANCE AND MINIMIZATION MEASURES:

THE FOLLOWING ARE PROTECTION STRATEGIES AND TECHNIQUES PROPOSED FOR THE PROTECTION OF THIS SPECIES DURING PROJECT CONSTRUCTION ACTIVITIES:

- A CONTRACTOR AWARENESS PROGRAM WILL BE DEVELOPED AND IMPLEMENTED TO ENSURE THAT CONTRACTORS WORKING IN THE AREA HAVE BEEN INSTRUCTED ON THE PROPER RESPONSE IN THE EVENT THAT A SMOOTH GREEN SNAKE IS OBSERVED IN THE WORK AREA.
- IF ANY SNAKES ARE OBSERVED, CONSTRUCTION PERSONNEL WILL SAFELY RELOCATE THEM TO AN AREA IMMEDIATELY OUTSIDE OF THE CONSTRUCTION FOOTPRINT.
- ANY SILT FENCE UTILIZED WILL BE REMOVED AFTER CONSTRUCTION IS COMPLETE AND SOILS ARE STABILIZED.
- ANY CONFIRMED SMOOTH GREEN SNAKE SIGHTINGS WILL BE REPORTED TO THE CT DEEP NDDB.

FROSTED ELFIN BUTTERFLY (*CALLOPHRYS IRUS*)

SPECIES DESIGNATION: THREATENED

PROJECT ROW HABITAT:

- CONTACT EVERSOURCE ENVIRONMENTAL LICENSING AND PERMITTING

SITE-SPECIFIC IMPACT AVOIDANCE AND MINIMIZATION MEASURES:

THE FOLLOWING CONSERVATION MEASURES ARE PROPOSED TO AVOID AND MINIMIZE IMPACTS TO HOST PLANTS AND POTENTIAL INDIRECT EFFECTS ON FROSTED ELFIN:

- PRIOR TO COMMENCEMENT OF CONSTRUCTION IN THE HOST PLANT AREAS, THE BOUNDARIES OF HOST PLANT COMMUNITIES WILL BE FLAGGED IN THE FIELD;
- A CONTRACTOR AWARENESS PROGRAM WILL BE DEVELOPED AND IMPLEMENTED TO ENSURE THAT CONTRACTORS HAVE KNOWLEDGE OF THE PRESENCE OF THE HOST PLANT COMMUNITIES NEAR WORK AREAS;
- TEMPORARY IMPACTS TO IDENTIFIED HOST PLANT COMMUNITIES WILL BE REDUCED TO THE EXTENT PRACTICABLE BY MINIMIZING MOWING AND GROUND DISTURBANCE OUTSIDE OF THE AREAS REQUIRED TO SAFELY COMPLETE THE NECESSARY CONSTRUCTION ACTIVITIES;
- CONSTRUCTION-PHASE ENVIRONMENTAL MONITORING BY QUALIFIED PERSONNEL WILL BE PROVIDED DURING CONSTRUCTION; AND
- WHERE STABILIZED VEGETATION REPLACING BARE SOIL IS NECESSARY FOLLOWING CONSTRUCTION, ONLY ANNUAL SEED MIXTURES SHALL BE USED TO PREVENT THE INTRODUCTION AND ESTABLISHMENT OF NON-NATIVE SPECIES.

SPOTTED TURTLE (*CLEMMYS GUTTATA*)

SPECIES DESIGNATION: SPECIAL CONCERN

PROJECT ROW HABITAT:

- CONTACT EVERSOURCE ENVIRONMENTAL LICENSING AND PERMITTING



SITE-SPECIFIC IMPACT AVOIDANCE AND MINIMIZATION MEASURES:

THE FOLLOWING MEASURES ARE PROPOSED FOR THE PROTECTION OF SPOTTED TURTLE IN PROXIMITY TO VERNAL POOL [REDACTED]:

- A CONTRACTOR AWARENESS PROGRAM WILL BE DEVELOPED AND IMPLEMENTED TO ENSURE THAT CONTRACTORS WORKING IN THE AREA HAVE BEEN INSTRUCTED ON THE PROPER RESPONSE IN THE EVENT THAT A SPOTTED TURTLE IS OBSERVED IN THE WORK AREA.
- THE REMOVAL OF LOW-GROWTH VEGETATION AND TREE STUMPS ADJACENT TO THE BANKS OF IDENTIFIED HABITAT WILL BE AVOIDED AND MINIMIZED TO THE GREATEST EXTENT POSSIBLE.
- TO THE EXTENT PRACTICABLE, MOWING IN PROXIMITY TO [REDACTED] IN PREPARATION OF PROJECT CONSTRUCTION ACTIVITIES WILL BE LIMITED TO WORK AREAS AND CONDUCTED IN THE INACTIVE SEASON, BETWEEN NOVEMBER 1 AND MARCH 1.

FOR CONSTRUCTION ACTIVITIES DURING THE SPOTTED TURTLE'S ACTIVE SEASON (MARCH 1 TO NOVEMBER 1):

- EXCLUSION FENCING WILL BE INSTALLED AROUND THE WORK PAD FOR PROPOSED STRUCTURE [REDACTED] IN A MANNER THAT PRECLUDES ACCESS BY SPOTTED TURTLES.
- IF NECESSARY, EROSION CONTROL MEASURES INSTALLED ALONG THE EXISTING ACCESS ROAD BETWEEN PROPOSED STRUCTURES [REDACTED] SHOULD BE DESIGNED IN A MANNER THAT ALLOWS UNENCUMBERED MOVEMENT BY SPOTTED TURTLES. SUCH MEASURES MAY INCLUDE, BUT NOT BE LIMITED TO THE USE OF SYNCOPATED SILT FENCING AND/OR STRAW WATTLES, AND THE ALIGNMENT OF EROSION AND SEDIMENTATION CONTROLS TO AVOID BIFURCATING SUITABLE WETLAND HABITAT.
- A SWEEP OF THE WORK AREAS NEAR STRUCTURES [REDACTED] SHALL BE CONDUCTED PRIOR TO HEAVY MACHINERY ACCESS, CONSTRUCTION, AND/OR MOWING TO LOOK FOR BASKING TURTLES.
- IN THE VICINITY OF STRUCTURES [REDACTED] IF MOWING DURING THE ACTIVE SEASON IS REQUIRED, VEGETATION WILL BE MOWED TO NO LOWER THAN 7 INCHES. FLAIL-TYPE MOWERS WILL NOT BE USED FOR MOWING IN THE ACTIVE SEASON.
- ANY TURTLE ENCOUNTERED DURING CONSTRUCTION WILL BE MOVED, UNHARMED, TO AN AREA IMMEDIATELY OUTSIDE OF THE WORK AREA, AND POSITIONED IN THE SAME DIRECTION THAT IT WAS HEADING WHEN DISCOVERED. WORKERS WILL BE INFORMED THAT TURTLES SHOULD NEVER BE MOVED OFF SITE.
- ALL EROSION CONTROL MEASURES AND EXCLUSION FENCING WILL BE REMOVED AFTER WORK IS COMPLETED AND SOILS ARE STABLE SO THAT REPTILE AND AMPHIBIAN MOVEMENT IS NOT RESTRICTED.
- ANY CONFIRMED SIGHTINGS OF THIS SPECIES WILL BE REPORTED TO THE CT DEEP NDDB

									EVERSOURCE ENERGY
									Frost Bridge to Campville 115-kV Project Development & Management Plan
									RARE SPECIES AVOIDANCE & MINIMIZATION MEASURES
									Detail Sheet 04 of 11
NO.	DATE	REVISIONS	BY	CHK	APP	APP			 

THIS PAGE INTENTIONALLY LEFT BLANK

FARMLAND PROTECTION MEASURES

THE FOLLOWING MEASURE SHOULD BE USED IF INSTALLATION OF TEMPORARY GRAVEL ACCESS THROUGH ACTIVE FARMLAND IS FOUND PREFERABLE TO PLACEMENT OF TEMPORARY SWAMP MATS:

- A. NO NEW PERMANENT ACCESS ROADS WILL BE LOCATED IN ACTIVE FARMLAND UNLESS APPROVED BY THE LANDOWNER.
- B. TEMPORARY ACCESS ROADS AND WORK PADS WILL BE SITED, TO THE EXTENT PRACTICABLE, TO AVOID OR MINIMIZE DISRUPTIONS TO ACTIVE FARM USES.
- C. EXCEPT FOR EQUIPMENT THAT CANNOT PRACTICALLY BE MOVED ONCE IN PLACE (E.G., CRANES), NO EQUIPMENT OR VEHICLE REFUELING WILL BE PERFORMED IN ACTIVE FARMLAND. IF EQUIPMENT REFUELING MUST BE CONDUCTED IN ACTIVE FARMLANDS, APPROPRIATE LEAK AND SPILL PREVENTION MEASURES WILL BE USED AS SPECIFIED IN THE PROJECT SPILL PREVENTION AND COUNTERMEASURES PLAN (REFER TO VOLUME 2, ATTACHMENT B).
- D. AGRICULTURAL DRAINAGE AND EROSION CONTROL FEATURES (E.G., DITCHES, SWALES) WILL BE AVOIDED DURING CONSTRUCTION TO THE EXTENT PRACTICABLE. IF AVOIDANCE IS NOT POSSIBLE, THE CONSTRUCTION CONTRACTOR WILL TAKE APPROPRIATE MEASURES TO MAINTAIN THE EFFECTIVENESS OF THE EXISTING FEATURES. ANY DRAINAGE FEATURES DISTURBED BY CONSTRUCTION ACTIVITIES WILL BE REPAIRED.
- E. HAY BALES (WHICH MAY CONTAIN SEEDS INAPPROPRIATE TO FARM USE) WILL NOT BE USED FOR TEMPORARY EROSION AND SEDIMENTATION CONTROL IN ACTIVE FARMLANDS UNLESS SPECIFICALLY APPROVED BY THE FARMER. INSTEAD, STRAW BALES, WEED-FREE HAY, OR OTHER TYPES OF EROSION AND SEDIMENTATION CONTROL MEASURES WILL BE USED AS APPROPRIATE.
- F. NO VEHICLES OR EQUIPMENT WILL BE ALLOWED OUTSIDE THE IDENTIFIED WORK AREAS (VEGETATION REMOVAL LIMITS), EXCEPT TO REMOVE, STOCKPILE, AND PROCESS FOREST VEGETATION AS MAY BE NECESSARY TO MAINTAIN MANDATED CLEARANCE FROM THE TRANSMISSION LINE CONDUCTORS, OR TO INSTALL COUNTERPOISE AS NEEDED.
- G. IF THE CONSTRUCTION WORK AREA DIVIDES AN ACTIVE FARMLAND AREA, UPON THE FARMER'S REQUEST, APPROPRIATE ACCESS WILL BE PROVIDED ACROSS THE CONSTRUCTION ZONE FOR FARM USES AND TEMPORARY FENCING AND GATES WILL BE INSTALLED IF NEEDED.
- H. ACCESS ROADS AND WORK PADS WILL BE BUILT IN ACCORDANCE WITH THE SPECIFICATIONS FOR WORK IN FARMLANDS
- I. ACCESS ROADS WILL BE MAINTAINED THROUGHOUT CONSTRUCTION TO ALLOW SAFE USE AND, IF REQUESTED BY THE FARMER, CROSSING BY FARM MACHINERY.
- J. SILT FENCE OR SIMILAR MEASURES WILL BE INSTALLED ALONG BOTH SIDES OF GRAVEL ACCESS ROADS AND AROUND GRAVEL WORK PADS TO PREVENT THE MIXING OF GRAVEL WITH SUBSOIL OR WITH ADJACENT TOPSOIL.
- K. CONSTRUCTION EQUIPMENT AND VEHICLES WILL USE ONLY DESIGNATED ACCESS ROADS. NO VEHICLE OR EQUIPMENT PARKING WILL BE ALLOWED OUTSIDE OF THE IDENTIFIED AC-CESS ROADS AND WORK PADS.
- L. EXCAVATED SUBSOIL AND ROCK WILL NOT BE STOCKPILED OR SPREAD ON ACTIVE FARMLAND OR ON TOPSOIL STOCKPILES. EXCESS EXCAVATED SUBSOIL AND ROCK WILL BE REMOVED FROM ACTIVE FARMLANDS AND RELOCATED TO AN APPROPRIATE AREA WITHIN THE ROW ON THE SAME PROPERTY FROM WHICH IT WAS REMOVED.
- M. CONCRETE TRUCKS WILL BE RESTRICTED TO DESIGNATED ACCESS ROADS AND WORK PADS. CONCRETE TRUCK WASHOUT AREAS WILL NOT BE LOCATED WITHIN ACTIVE FARMLANDS.
- N. TO THE EXTENT PRACTICAL, GUY WIRES AND ANCHORS WILL BE PLACED OUTSIDE OF ACTIVE FARMLAND.
- O. ALL GUY WIRES WILL BE SHIELDED WITH HIGHLY VISIBLE GUARDS.
- P. GROUND RINGS, GROUND RODS, AND COUNTERPOISE WILL BE BURIED TO PROVIDE A MINIMUM DEPTH OF 24 INCHES.
- Q. IN AREAS WHERE TOPSOIL HAS BEEN REMOVED (E.G., WITHIN THE FOOTPRINT OF WORK PADS AND ACCESS ROADS WHERE GRAVEL IS USED), GROUND RINGS, GROUND RODS, AND COUNTERPOISE MAY BE INSTALLED PRIOR TO THE REPLACEMENT OF TOPSOIL.
- R. IN AREAS WHERE TOPSOIL HAS NOT BEEN REMOVED, GROUNDING SYSTEMS WILL BE DIRECTLY EMBEDDED THROUGH TOPSOIL AND SUBSOIL LAYERS.

SOIL EROSION AND SEDIMENT CONTROL

EROSION AND SEDIMENTATION (E&S) CONTROL MEASURES WILL BE INSTALLED PRIOR TO THE START OF CONSTRUCTION AND MAINTAINED THROUGHOUT TO AVOID OR MINIMIZE THE POTENTIAL FOR SURFACE WATER RUNOFF, EROSION, AND SEDIMENTATION TO OCCUR OUTSIDE OF WORK LIMITS. THESE MEASURES WILL COMPLY WITH THE 2002 CONNECTICUT GUIDELINES FOR EROSION AND SEDIMENT CONTROL ([HTTP://WWW.CT.GOV/DEEP/LIB/DEEP/WATER_INLAND/SEEC/SECS_CHAPTER_1_5.PDF](http://www.ct.gov/deep/lib/deep/water_inland/seec/secs_chapter_1_5.pdf)), WITH EVERSOURCE'S BMP MANUAL ([HTTP://WWW.TRANSMISSION-NU.CINSTOM/CONTRACTORS/PDF/CT_BMP.PDF](http://www.transmission-nu.cinstom/contractors/pdf/ct_bmp.pdf)), AS WELL AS CT DEEP AND USACE PERMIT CONDITIONS. THE FOLLOWING ARE OBJECTIVES OF THE E&S MEASURES:

- A. INSTALLING AND MAINTAINING EROSION AND SEDIMENT CONTROL MEASURES DURING CONSTRUCTION;
- B. PROTECTING WATER RESOURCE AREAS DURING CONSTRUCTION;
- C. MINIMIZING THE QUANTITY AND DURATION OF SOIL EXPOSURE (STABILIZE EXPOSED SOILS IMMEDIATELY UPON COMPLETION OF GRADING OR STOCKPILING);
- D. INSPECTING THE WORK AREAS AND MAINTAINING EROSION AND SEDIMENT CONTROLS AS NECESSARY UNTIL FINAL STABILIZATION AND INSPECTION ARE ACHIEVED

THE APPLICATION OF THE TECHNIQUES IN THE FIELD WILL BE DETERMINED BY THE PROFESSIONAL JUDGMENT OF COMPLIANCE MONITORS AND FIELD CONSTRUCTION PERSONNEL AND WILL DEPEND ON SITE-SPECIFIC CONDITIONS. FACTORS THAT MAY BE CONSIDERED IN THE SELECTION OF EROSION AND SEDIMENT CONTROLS FOR SITE-SPECIFIC AREAS MAY INCLUDE:

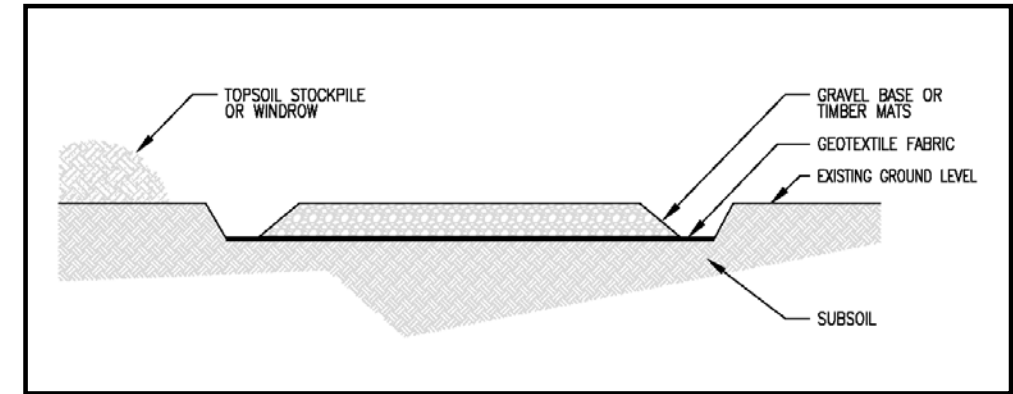
- A. SIZE OF THE AREA AFFECTED;
- B. TYPE OF PROPOSED CONSTRUCTION ACTIVITIES;
- C. TYPE AND TEXTURE OF SOIL (HIGHLY ERODIBLE SOILS ARE DEPICTED ON THE VOLUME 3 MAPSHEETS);
- D. AMOUNT OF ROCK PRESENT;
- E. STEEPNESS AND LENGTH OF SLOPE;
- F. AMOUNT AND TYPE OF VEGETATIVE COVER;
- G. PROXIMITY AND DIRECTION TO WATERCOURSES OR WETLANDS;
- H. ANTICIPATED WEATHER CONDITIONS AND GROUND CONDITIONS.

EROSION AND SEDIMENT CONTROL NOTES

1. ALL EROSION AND SEDIMENT CONTROL MEASURES SHALL BE CONSTRUCTED IN ACCORDANCE WITH THE STANDARDS AND SPECIFICATIONS OF THE "2002 CONNECTICUT GUIDELINES FOR SOIL EROSION AND SEDIMENT CONTROL", CTDEEP BULLETIN NO. 34, AND ALL AMENDMENTS AND ADDENDA THERETO AS PUBLISHED BY THE CONNECTICUT DEPARTMENT OF ENERGY AND ENVIRONMENTAL PROTECTION.
2. LAND DISTURBANCE SHALL BE KEPT TO THE MINIMUM NECESSARY FOR CONSTRUCTION OPERATIONS.
3. INSTALL EROSION AND SEDIMENT CONTROL MEASURES AS SHOWN ON THE Development & Management Plan AND ELSEWHERE AS NECESSARY TO PREVENT SOIL EROSION AND SEDIMENT TRANSPORT TO RESOURCE AREAS. ADDITIONAL CONTROLS, NOT DEPICTED ON THE PLANS, MAY BE NECESSARY. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO ASSESS THE NEED FOR, AND INSTALL ADDITIONAL CONTROLS THAT ARE WARRANTED BY SITE CONDITIONS.
4. RETAINING WALLS ARE DEPICTED IN SOME LOCATIONS ON THE DEVELOPMENT & MANAGEMENT PLAN IN ORDER TO PROVIDE A LEVEL WORK AREA WHERE STEEP TOPOGRAPHY EXISTS. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO DETERMINE THE EXACT LOCATION OF RETAINING WALLS, METHODS OF CONSTRUCTION, AND SAFETY MEASURES UTILIZED. RETAINING WALLS MAY BE REQUIRED IN ADDITIONAL LOCATIONS NOT DEPICTED ON THE PLANS.
5. UPON COMPLETION OF CONSTRUCTION, IT IS THE CONTRACTORS RESPONSIBILITY TO REMOVE RETAINING WALLS, REGRADE AND STABILIZE SLOPES IN COMPLIANCE WITH THE 2002 CONNECTICUT GUIDELINES FOR SOIL EROSION AND SEDIMENT CONTROL.
6. EROSION AND SEDIMENT CONTROLS SHALL BE INSPECTED AND MAINTAINED THROUGHOUT THE CONSTRUCTION PERIOD. INSPECTIONS SHALL BE CONDUCTED AFTER EACH RAINSTORM AND DURING MAJOR STORM EVENTS TO DETERMINE IF ALL CONTROL MEASURES ARE ADEQUATELY IN PLACE AND EFFECTIVE.
7. SEDIMENT REMOVED SHALL BE PROPERLY DISPOSED OF IN AN APPROPRIATE UPLAND AREA WITHIN THE DEFINED LIMITS OF DISTURBANCE
8. STOCKPILE TOPSOIL IN LEVEL UPLAND AREAS AND CONTAIN USING STRAW BALES AND/OR SILT FENCE AROUND THE PERIMETER.
9. STOCKPILING OF EXCESS SOIL GENERATED AS A RESULT OF STRUCTURE / FOUNDATION INSTALLATION WORK WITHIN WETLANDS IS PROHIBITED, EXCEPT THAT SOILS OR OTHER EXCAVATED MATERIAL MAY BE TEMPORARILY STOCKPILED AND CONTAINED ON THE WORK PAD LOCATED WITHIN A WETLAND PRIOR TO TRANSPORT TO AN UPLAND AREA.
10. STABILIZATION OF OPEN SOIL SURFACES WILL BE IMPLEMENTED WITHIN 14 DAYS AFTER GRADING OR CONSTRUCTION ACTIVITIES HAVE TEMPORARILY OR PERMANENTLY CEASED, UNLESS WEATHER PROHIBITS SEED GERMINATION.
11. WHERE NECESSARY, SUITABLE TOPSOIL, SEEDBED PREPARATION, AND WATER SHALL BE PROVIDED FOR EFFECTIVE ESTABLISHMENT OF VEGETATIVE COVER.
12. THE CONSTRUCTION CONTRACTOR SHALL KEEP ALL PAVED ROADWAYS CLEAN.
13. EROSION AND SEDIMENT CONTROLS SHALL BE INSPECTED AND MAINTAIN UNTIL RESTORATION HAS BEEN DETERMINED TO BE EFFECTIVE AS DEFINED BY CONFORMANCE TO THE CT DEEP GENERAL PERMIT FOR THE DISCHARGE OF STORMWATER AND DEWATERING WASTEWATERS ASSOCIATED WITH CONSTRUCTION ACTIVITIES.

TYPICAL GRAVEL ACCESS ROAD AND WORK PAD CONSTRUCTION

**ACTIVE FARMLAND
(Topsoil Relocation)**



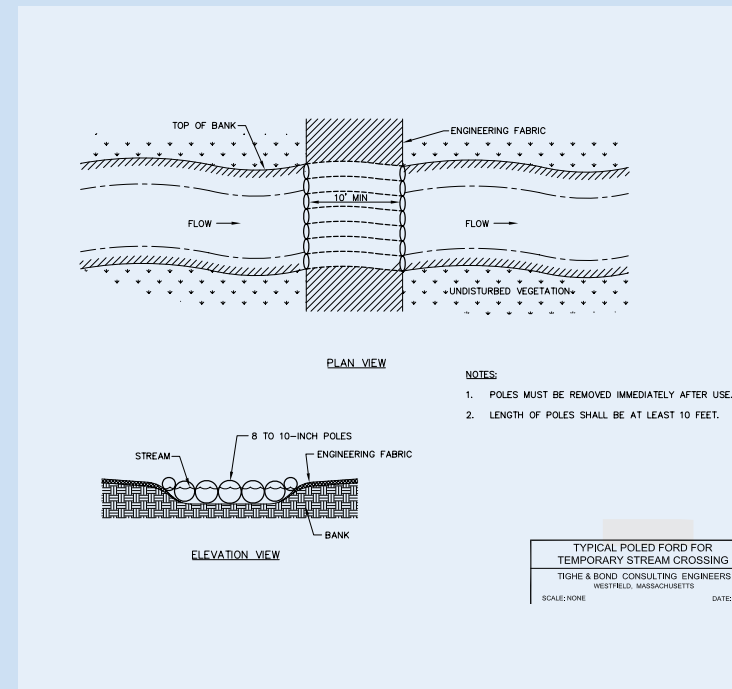
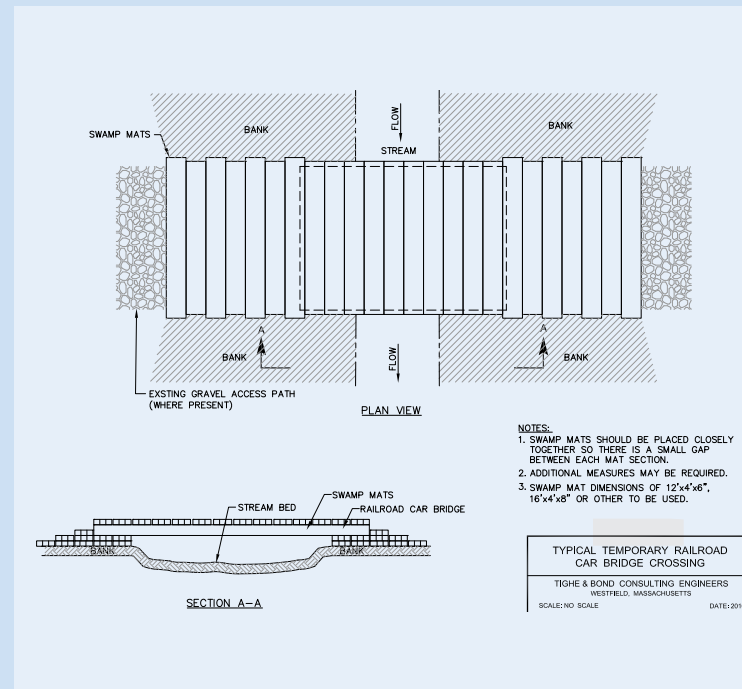
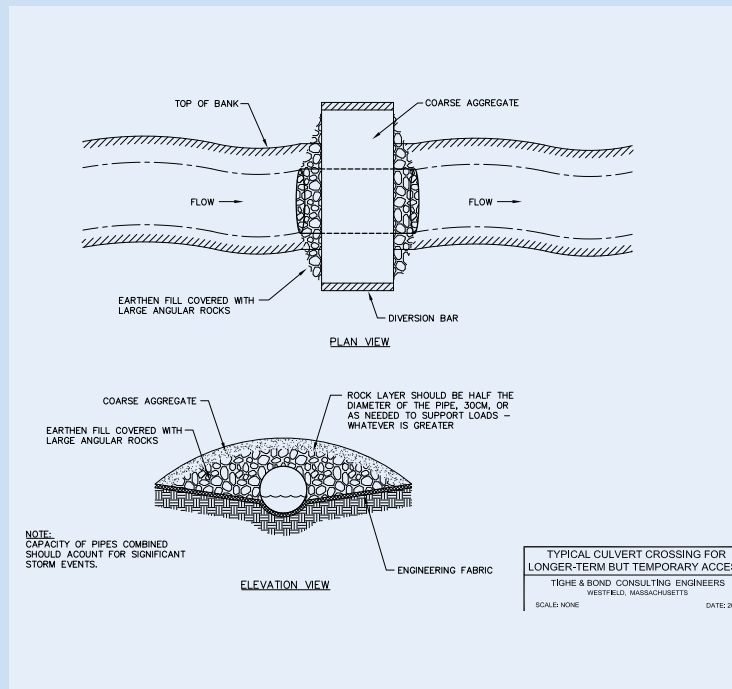
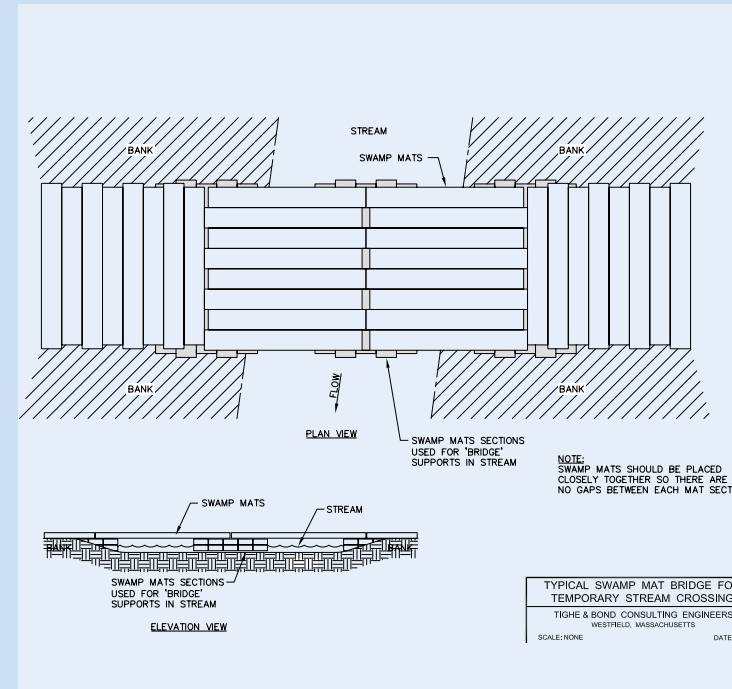
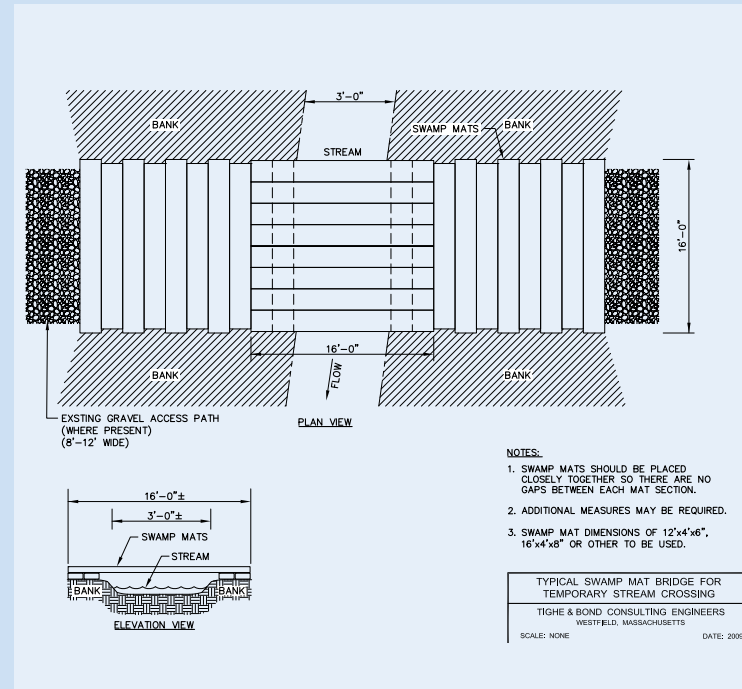
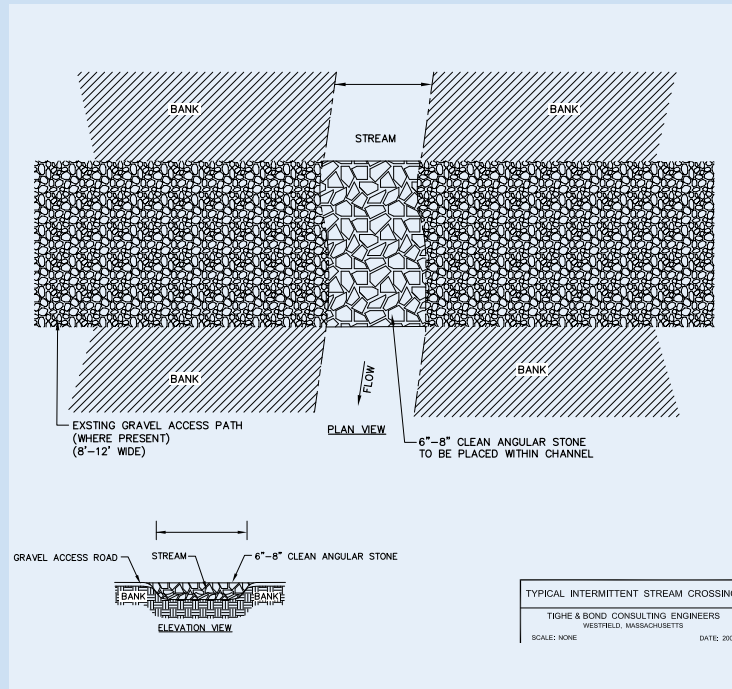
NOTES:

1. TOPSOIL WILL BE REMOVED FROM WORK AREAS BUT REMAIN ON PROPERTY, AND WILL BE STOCKPILED OR WINDROWED IN UPLAND AREAS.
2. PROPOSED ACCESS ROADS AND WORK PADS ARE NOT CONSIDERED A PERMANENT IMPROVEMENT AND WILL BE REMOVED AT THE END OF THE PROJECT.
3. ACTUAL DIMENSIONS OF WORK PADS AND ACCESS ROADS WILL VARY, DEPENDING ON SITE CHARACTERISTICS AND ON THE TYPES OF STRUCTURES TO BE INSTALLED.
4. TYPICAL ACCESS ROAD WIDTHS IN UPLANDS ARE 20 TO 25 FEET MAXIMUM WITH SHOULDERS WITH A TRAVEL SURFACE WIDTH OF 16 FEET.
5. TYPICAL WORK PAD DIMENSIONS ARE 100 FEET WIDE BY 100 FEET LONG FOR IN-LINE (TANGENT) STRUCTURES, AND 100 FEET BY 200 FEET FOR ANGLE STRUCTURES AND DEADENDS.
6. AFTER REMOVAL OF GRAVEL ROAD, TOPSOIL WILL BE SPREAD OVER WORK AREAS TO PRE-CONSTRUCTION CONTOURS TO THE EXTENT PRACTICABLE.
7. IF ANY PART OF THE PROPOSED ROAD WIDTH IS WITHIN AN AGRICULTURAL AREA, THE ENTIRE ROAD WIDTH SHALL BE CONSTRUCTED AS IF IT WERE IN AN AGRICULTURAL AREA.
8. DRAWING IS NOT TO SCALE.

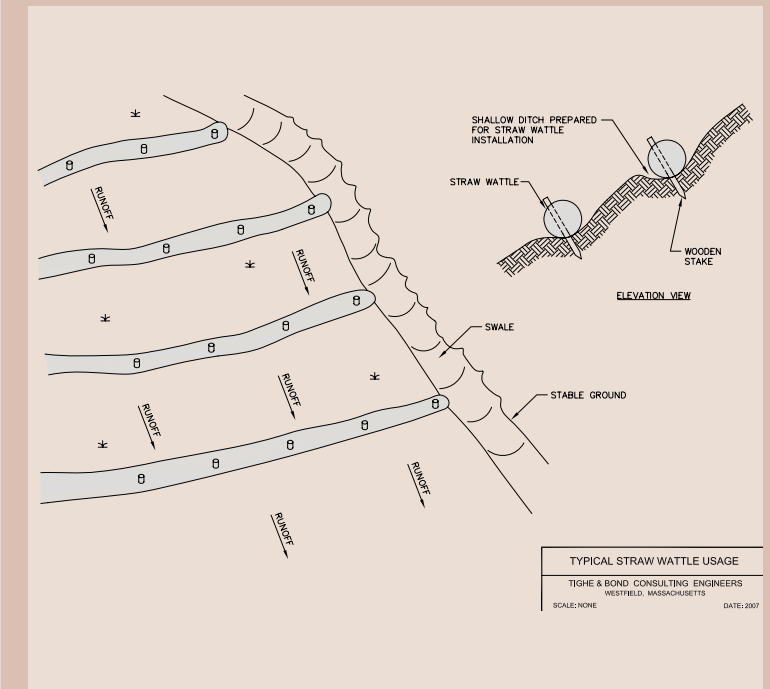
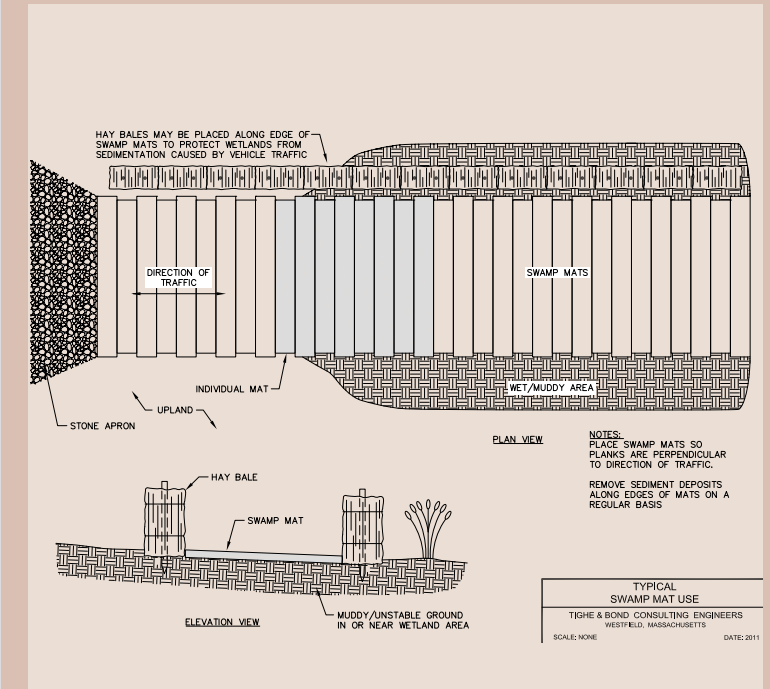
							EVERSOURCE ENERGY	
							Frost Bridge to Campville 115-kV Project Development & Management Plan	
							FARMLAND PROTECTION MEASURES & SOIL EROSION AND SEDIMENT CONTROL	
							Detail Sheet 05 of 11	
NO.	DATE	REVISIONS	BY	CHK	APP	APP		

THIS PAGE INTENTIONALLY LEFT BLANK

STREAM CROSSING TYPICAL DETAILS



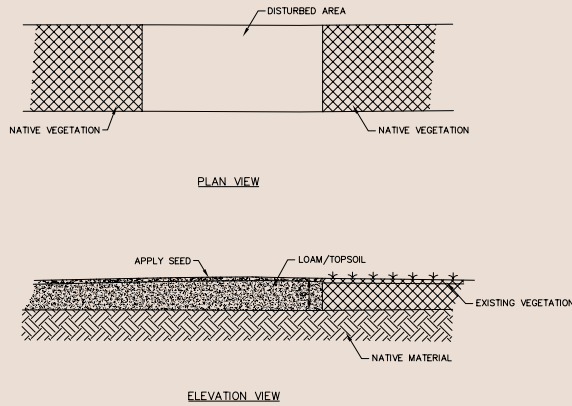
EROSION AND SEDIMENTATION CONTROL TYPICAL DETAILS



						EVERSOURCE ENERGY	
						Frost Bridge to Campville 115-kV Project Development & Management Plan	
						TYPICAL DETAILS SHEET 1 OF 2	
						Detail Sheet 06 of 11	
NO.	DATE	REVISIONS	BY	CHK	APP	APP	

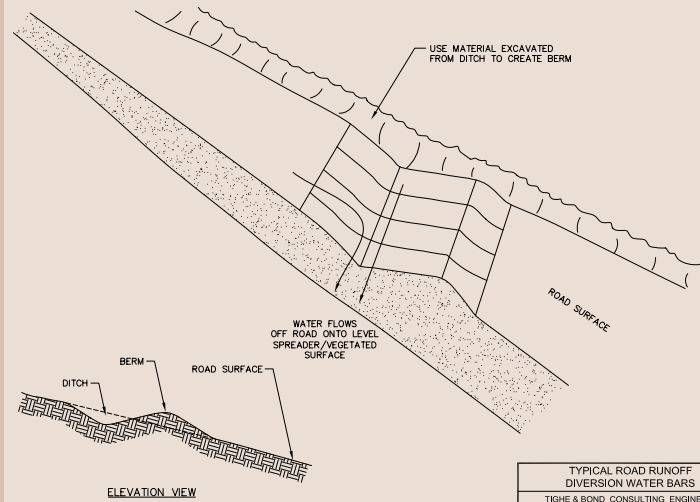
THIS PAGE INTENTIONALLY LEFT BLANK

EROSION AND SEDIMENTATION CONTROL TYPICAL DETAILS

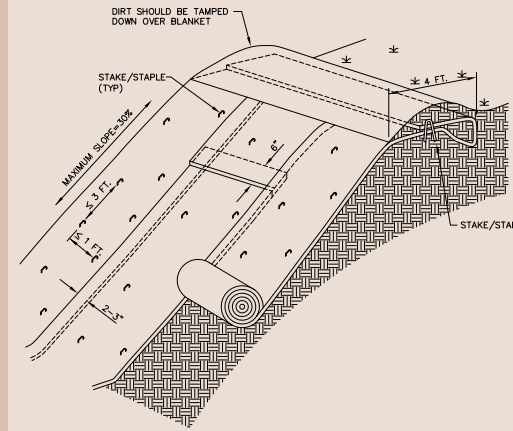


NOTE:
1. SEED MIX APPLICATION IN ACCORDANCE WITH MANUFACTURER'S RECOMMENDATIONS.

LOAMING AND SEEDING
TIGHE & BOND CONSULTING ENGINEERS
WESTFIELD, MASSACHUSETTS
SCALE: NONE DATE: 2007

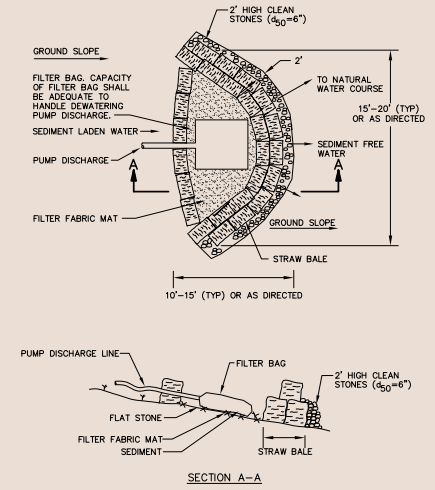


TYPICAL ROAD RUNOFF DIVERSION WATER BARS
TIGHE & BOND CONSULTING ENGINEERS
WESTFIELD, MASSACHUSETTS
SCALE: NONE DATE: 2007



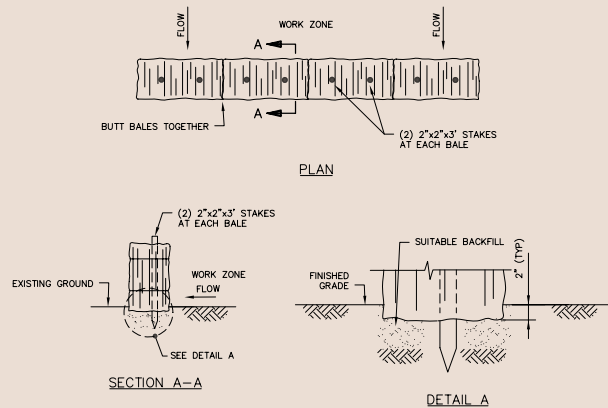
NOTES:
1. EROSION CONTROL BLANKET SHOULD BE INSTALLED VERTICALLY DOWNSLOPE.
2. STAKES/STAPLES SHOULD BE PLACED NO MORE THAN 3 FT. APART VERTICALLY, AND 1 FT. APART HORIZONTALLY.
3. SLOPE SURFACE SHOULD BE FREE OF STICKS, ROCKS, AND OTHER OBSTRUCTIONS.
4. BLANKETS SHOULD BE ROLLED OUT LOOSELY AND STAKED/STAPLED TO MAINTAIN DIRECT SOIL CONTACT. DO NOT STRETCH THE BLANKETS.

TYPICAL EROSION CONTROL BLANKETS
TIGHE & BOND CONSULTING ENGINEERS
WESTFIELD, MASSACHUSETTS
SCALE: NONE DATE: 2011



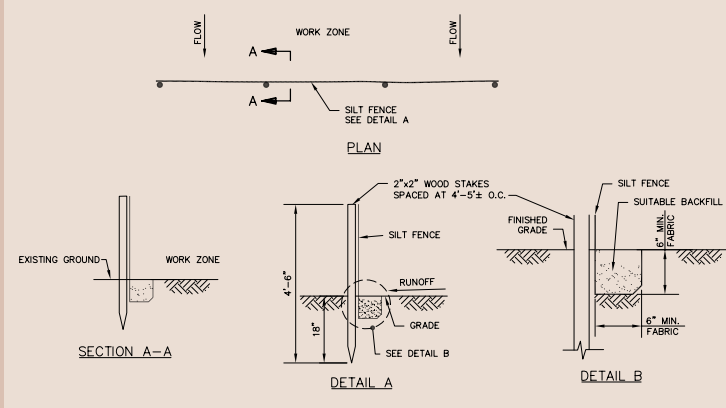
NOTES:
1. LOCATION OF SEDIMENT TRAP SUBJECT TO APPROVAL OF ENGINEER.
2. SEDIMENT TRAPS OR SETTLING BASINS SHALL BE USED FOR CONSTRUCTION DEWATERING.
3. DISCHARGE AWAY FROM WORK AREA/DEWATERING AREA.

TYPICAL SEDIMENT TRAP
TIGHE & BOND CONSULTING ENGINEERS
WESTFIELD, MASSACHUSETTS
SCALE: NONE DATE: 2011

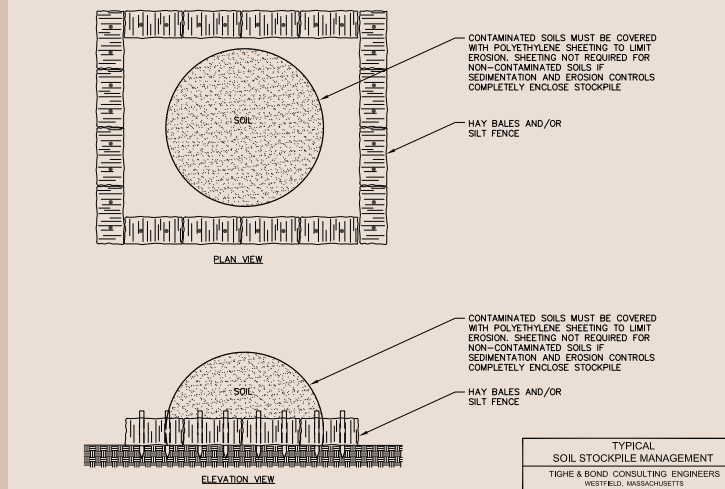


NOTE:
STRAW BALES MAY BE SUBSTITUTED FOR HAY BALES.

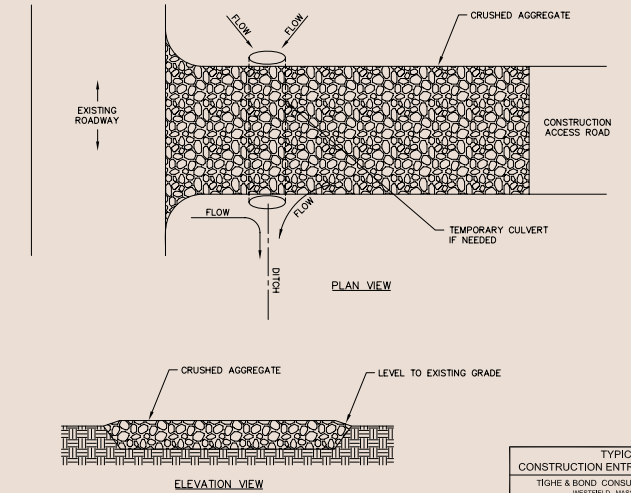
TYPICAL HAY BALES USAGE
TIGHE & BOND CONSULTING ENGINEERS
WESTFIELD, MASSACHUSETTS
SCALE: NONE DATE: 2007



TYPICAL SILT FENCE USAGE
TIGHE & BOND CONSULTING ENGINEERS
WESTFIELD, MASSACHUSETTS
SCALE: NONE DATE: 2007



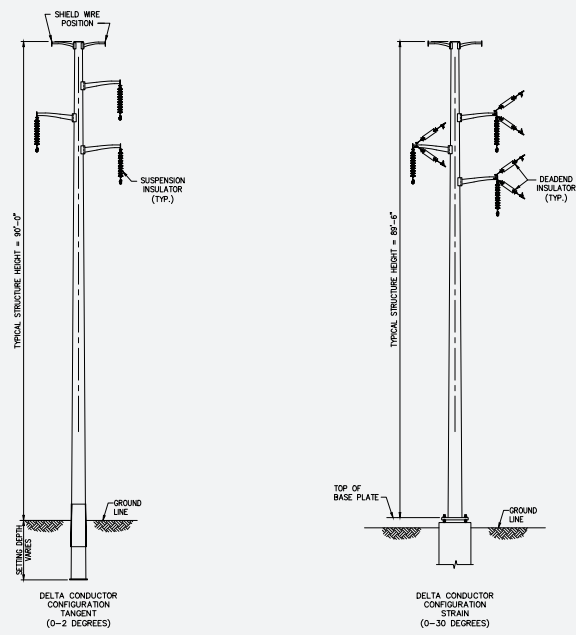
TYPICAL SOIL STOCKPILE MANAGEMENT
TIGHE & BOND CONSULTING ENGINEERS
WESTFIELD, MASSACHUSETTS
SCALE: NONE DATE: 2011



TYPICAL CONSTRUCTION ENTRANCE TRACK PAD
TIGHE & BOND CONSULTING ENGINEERS
WESTFIELD, MASSACHUSETTS
SCALE: NONE DATE: 2007

						 Frost Bridge to Campville 115-kV Project Development & Management Plan TYPICAL DETAILS SHEET 2 OF 2 Detail Sheet 07 of 11
NO.	DATE	REVISIONS	BY	CHK	APP	APP

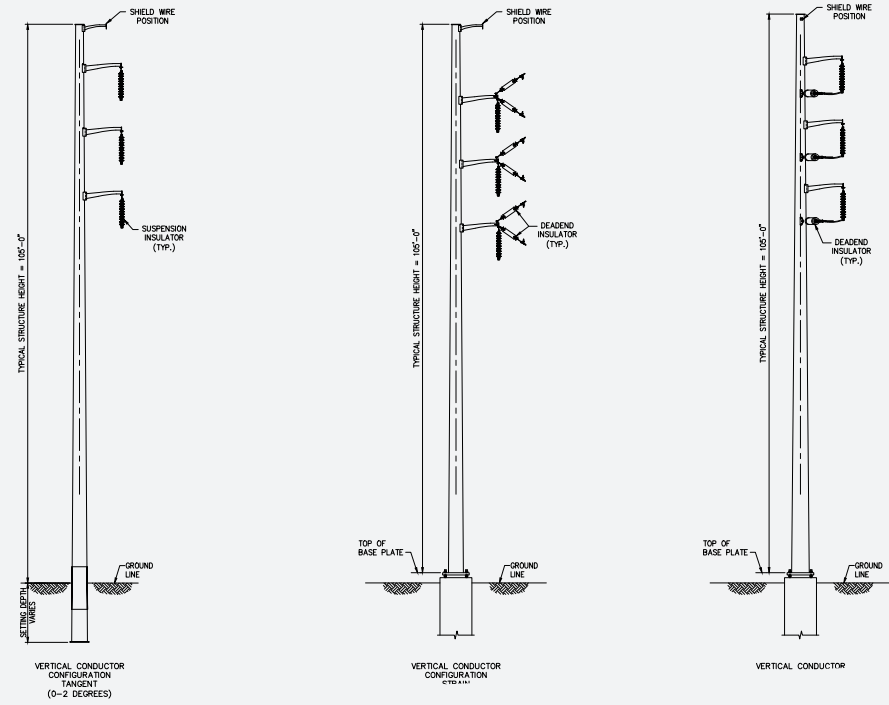
THIS PAGE INTENTIONALLY LEFT BLANK



NOTES:
 1. STRUCTURES SHOWN DEPICT STEEL POLE CONSTRUCTION.
 2. DRILLED PIER FOUNDATIONS MAY BE UTILIZED FOR TANGENT STRUCTURES.
 3. STRUCTURE GROUNDING EQUIPMENT NOT SHOWN.

NO.	DATE	REVISIONS	BY	CHK	APP

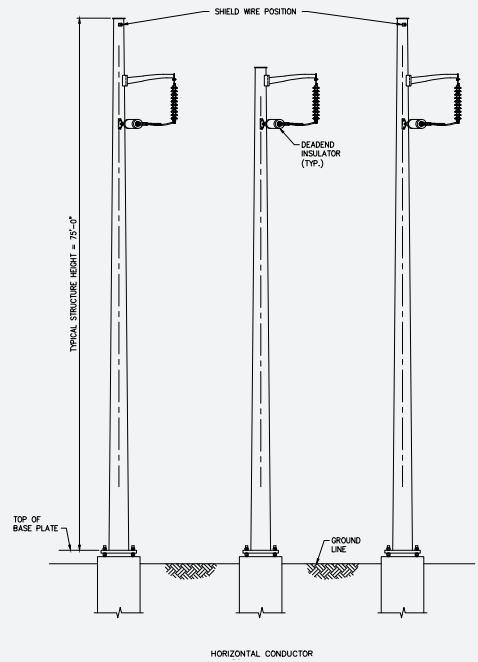
BURNS & MCDONNELL
 83707
 Date: DEC. 17, 2015 Designer: D. LAURSEN
 Designed: V. MONTEMURRO Checked: P. WILLIAMS



NOTES:
 1. STRUCTURES SHOWN DEPICT STEEL POLE CONSTRUCTION.
 2. STRUCTURE GROUNDING EQUIPMENT NOT SHOWN.
 3. DRILLED PIER FOUNDATIONS MAY BE UTILIZED FOR TANGENT STRUCTURES.

NO.	DATE	REVISIONS	BY	CHK	APP

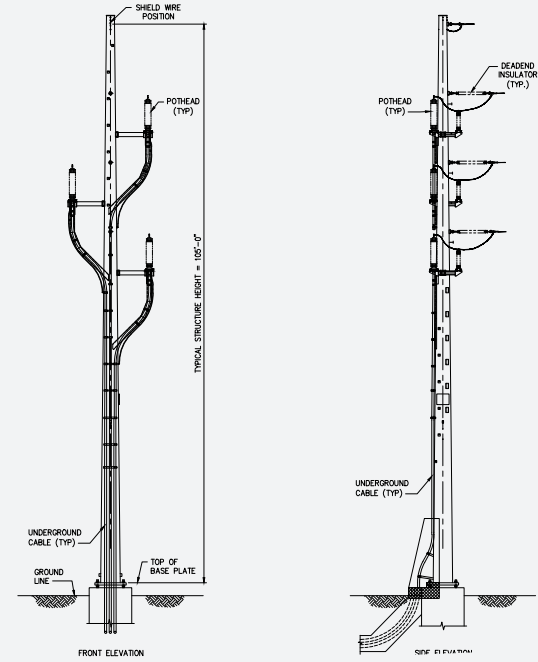
BURNS & MCDONNELL
 83707
 Date: DEC. 17, 2015 Designer: D. LAURSEN
 Designed: V. MONTEMURRO Checked: P. WILLIAMS



NOTES:
 1. STRUCTURE SHOWN DEPICTS STEEL POLE CONSTRUCTION.
 2. STRUCTURE GROUNDING EQUIPMENT NOT SHOWN.

NO.	DATE	REVISIONS	BY	CHK	APP

BURNS & MCDONNELL
 83707
 Date: FEB. 8, 2016 Designer: D. LAURSEN
 Designed: V. MONTEMURRO Checked: M. HATFIELD



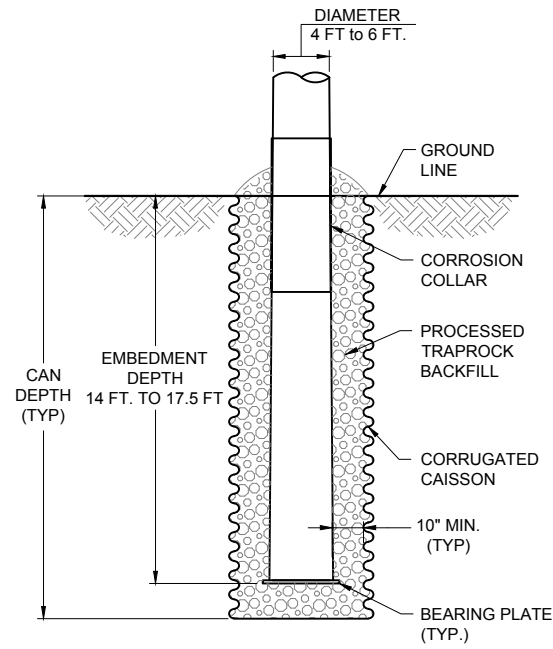
NOTES:
 1. STRUCTURES SHOWN DEPICT STEEL POLE CONSTRUCTION.
 2. STRUCTURE GROUNDING EQUIPMENT NOT SHOWN.

NO.	DATE	REVISIONS	BY	CHK	APP

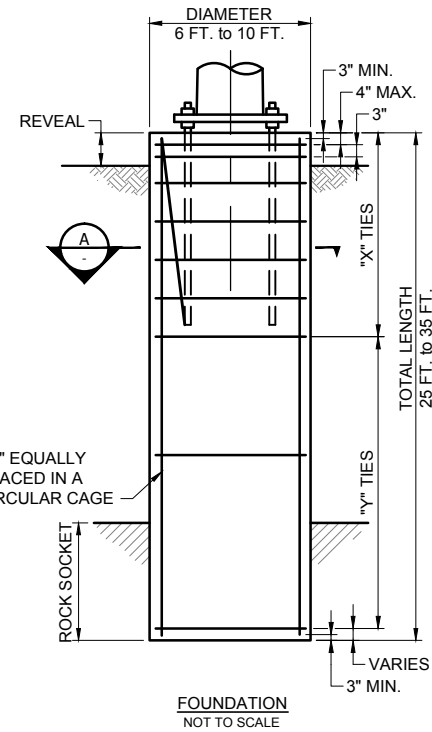
BURNS & MCDONNELL
 83707
 Date: DEC. 17, 2015 Designer: D. LAURSEN
 Designed: V. MONTEMURRO Checked: P. WILLIAMS

<p>Eversource Energy Frost Bridge to Campville 115-kV Project Development & Management Plan</p> <p>TYPICAL STRUCTURE CONFIGURATIONS</p> <p>Detail Sheet 08 of 11</p>												
						NO.	DATE	REVISIONS	BY	CHK	APP	APP

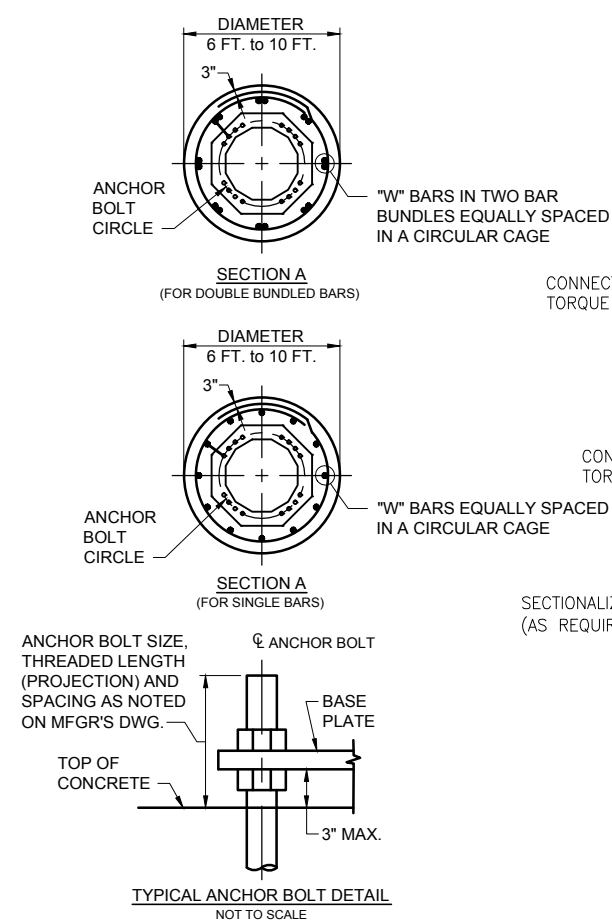
THIS PAGE INTENTIONALLY LEFT BLANK



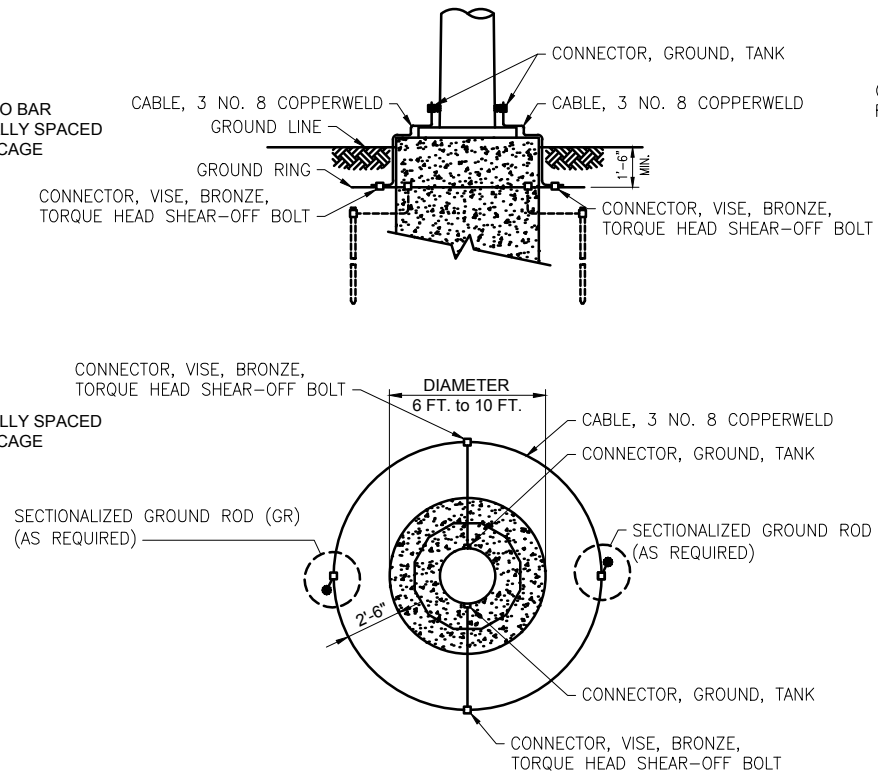
DETAIL 1
DIRECT EMBEDDED FOUNDATION



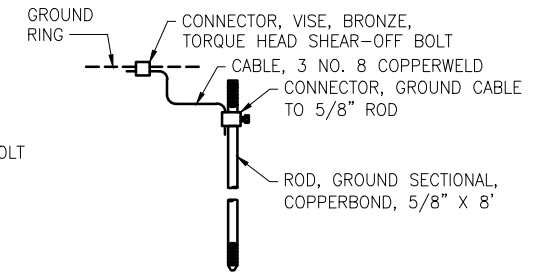
DETAIL 2
DRILLED SHAFT FOUNDATION



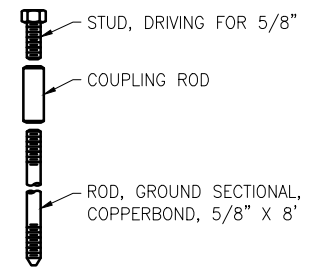
TYPICAL ANCHOR BOLT DETAIL
NOT TO SCALE



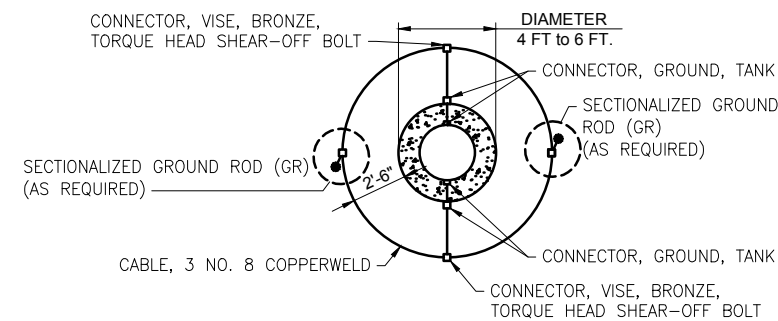
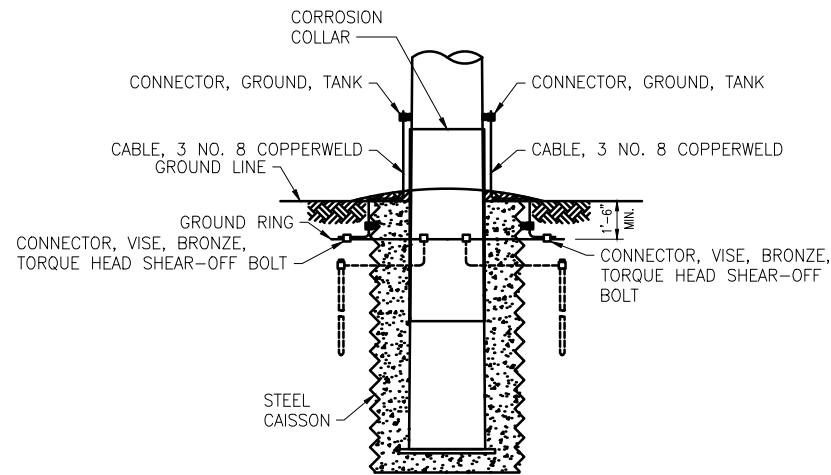
GROUND RING
FOUNDATION-MOUNTED
STEEL POLES



GR
SECTIONALIZED GROUND ROD



GR-1
SECTIONALIZED GROUND ROD EXTENSION



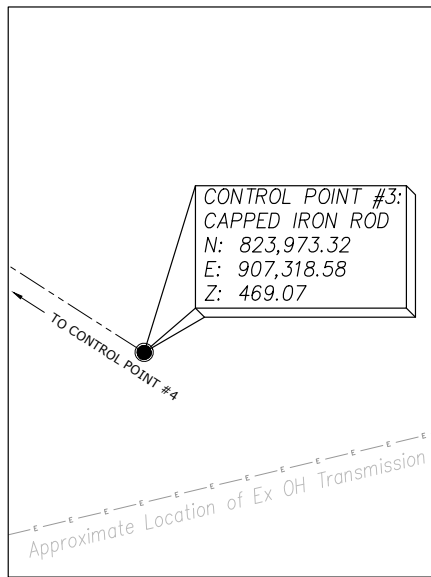
GROUND RING
DIRECT EMBED
STEEL POLES

INSTALLATION NOTES:

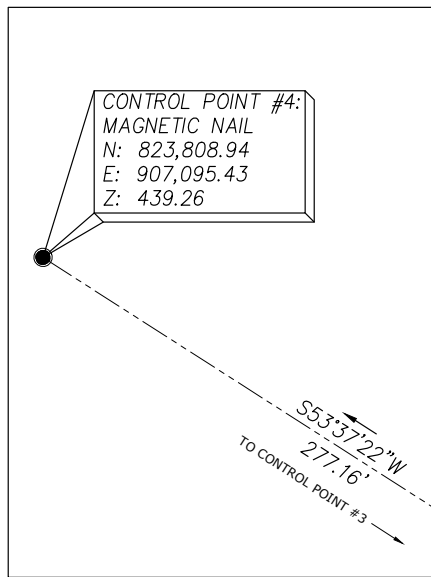
1. CONSTRUCTION CONTRACTOR TO INSTALL BASE GROUND RING ASSEMBLY (SEE GROUND RING DETAILS) AT EVERY STRUCTURE LOCATION.
2. CONSTRUCTION CONTRACTOR TO TAKE RESISTIVITY MEASUREMENTS - IF THE READINGS ARE ACCEPTABLE, THEN DONE.
3. IF THE RESISTIVITY READINGS ARE UNACCEPTABLE (TOO HIGH) AND THE SOIL PROFILE ALLOWS; INSTALL GROUND RODS (ASSEMBLY GR) PER DETAIL AND NOTES. TAKE RESISTIVITY MEASUREMENTS - IF ACCEPTABLE, THEN DONE.
4. IN LOCATIONS WHERE THE STRUCTURE IS LOCATED IN A WETLAND AREA, THE PREFERRED METHOD OF GROUNDING IS THE GROUND RING AND GROUND RODS.

								Frost Bridge to Campville 115-kV Project Development & Management Plan		
								TYPICAL FOUNDATION AND GROUNDING DETAILS		
83707								Detail Sheet 09 of 11		
date APR. 25, 2016	detailed M. PEPICH									
designed V. MONTEMURRO	checked M. HATFIELD	NO.	DATE	REVISIONS	BY	CHK	APP	APP		

THIS PAGE INTENTIONALLY LEFT BLANK



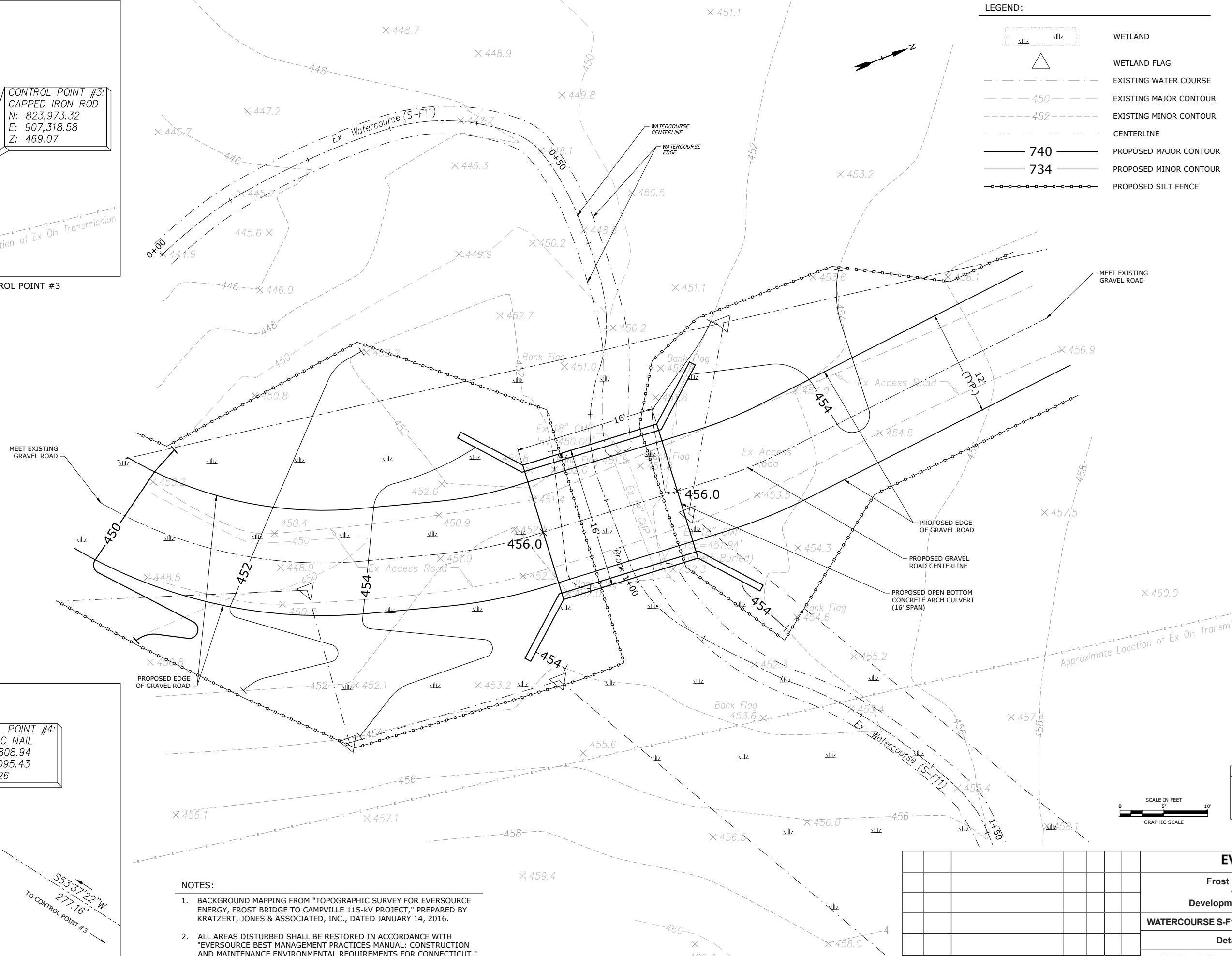
CONTROL POINT #3



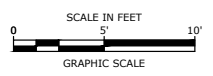
CONTROL POINT #4

LEGEND:

	WETLAND
	WETLAND FLAG
	EXISTING WATER COURSE
	EXISTING MAJOR CONTOUR
	EXISTING MINOR CONTOUR
	CENTERLINE
	PROPOSED MAJOR CONTOUR
	PROPOSED MINOR CONTOUR
	PROPOSED SILT FENCE



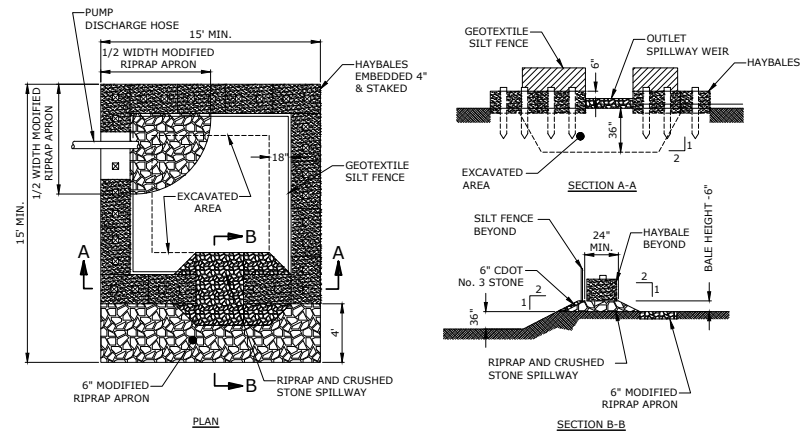
- NOTES:
- BACKGROUND MAPPING FROM "TOPOGRAPHIC SURVEY FOR EVERSOURCE ENERGY, FROST BRIDGE TO CAMPVILLE 115-kV PROJECT," PREPARED BY KRATZERT, JONES & ASSOCIATED, INC., DATED JANUARY 14, 2016.
 - ALL AREAS DISTURBED SHALL BE RESTORED IN ACCORDANCE WITH "EVERSOURCE BEST MANAGEMENT PRACTICES MANUAL: CONSTRUCTION AND MAINTENANCE ENVIRONMENTAL REQUIREMENTS FOR CONNECTICUT."
 - ENTIRE WORK ZONE IS WITHIN 100 YEAR FEMA FLOOD ZONE A30.



VERIFY SCALE
 BAR IS 1 INCH ON ORIGINAL DRAWING
 0 1 INCH
 IF NOT ONE INCH ON THIS SHEET, ADJUST SCALES ACCORDINGLY

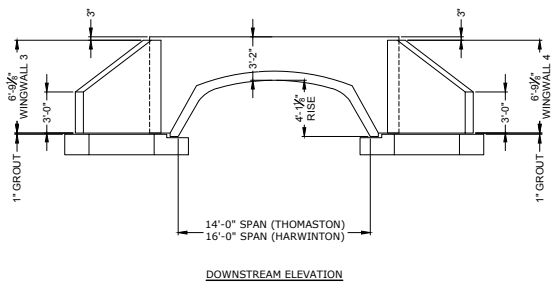
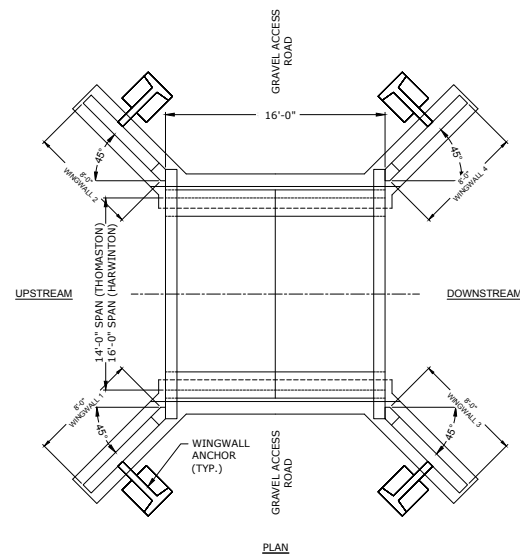
						EVERSOURCE ENERGY		
						Frost Bridge to Campville 115-kV Project Development & Management Plan		
						WATERCOURSE S-F11 CULVERT REPLACEMENT PLAN		
						Detail Sheet 10 of 11		
NO.	DATE	REVISIONS	BY	CHK	APP	APP	Tighe & Bond	

THIS PAGE INTENTIONALLY LEFT BLANK



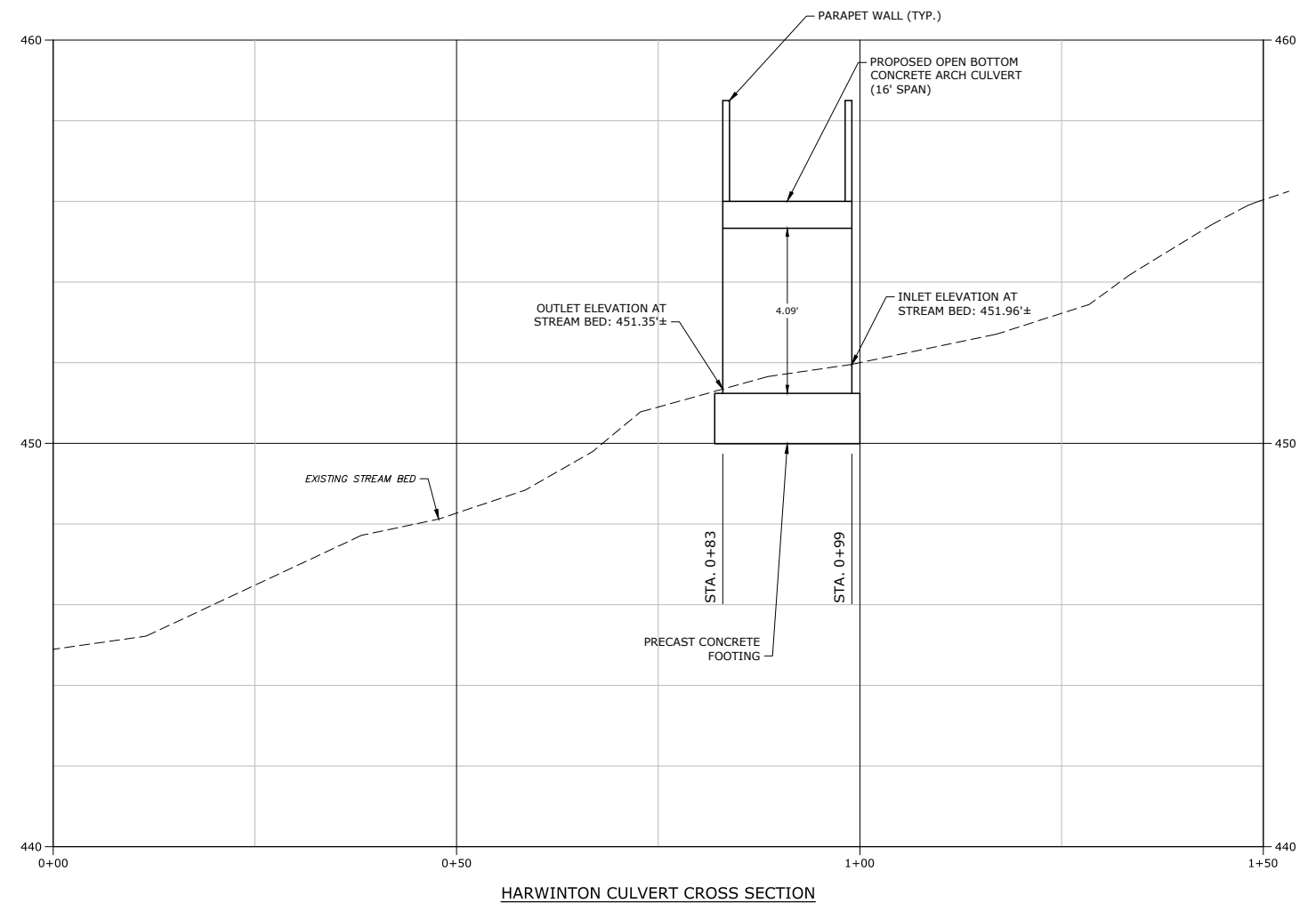
- NOTES:**
- VOLUME OF SETTLING BASIN (IN CUBIC FEET) SHALL BE EQUAL TO THE PEAK PUMP DISCHARGE (IN GPM) MULTIPLIED BY 16.
 - LOCATE SETTLING BASIN SUCH THAT SURFACE WATER IS DIRECTED AROUND IT.
 - VOLUME IS MEASURED FROM CREST OF SPILLWAY.

**PUMPING SETTLING BASIN
INTERMEDIATE VOLUME**
NO SCALE

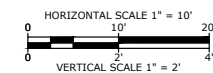


- NOTE:**
- CONSPAN O-SERIES STRUCTURE OR EQUAL.

**OPEN BOTTOM CONCRETE
ARCH CULVERT**
SCALE: 3/16" = 1'-0"



HARWINTON CULVERT CROSS SECTION



VERIFY SCALE
BAR IS 1 INCH ON ORIGINAL DRAWING
IF NOT ONE INCH ON THIS SHEET, ADJUST SCALES ACCORDINGLY

						EVERSOURCE ENERGY	
						Frost Bridge to Campville 115-kV Project Development & Management Plan	
						WATERCOURSE S-F11 CULVERT REPLACEMENT CROSS SECTION AND DETAILS	
						Detail Sheet 11 of 11	
NO.	DATE	REVISIONS	BY	CHK	APP	APP	Tighe & Bond