APPENDIX 1

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BENSON (BE)
WEST HAVEN (WH)
CASTLETON (CN)
FAIR HAVEN (FH)
PROCTOR (PR)
RUTLAND (RU)
IRA (IR)
CLARENDON (CL)
WALLINGFORD (WA)
MOUNT HOLLY (MH)
SHREWSBURY (SH)
PLYMOUTH (PL)
READING (RE)
CAVENDISH (CA)
ALBURGH
SWANTON

US-2
US-4
US-7
VT 3
VT 4A
VT 7B
VT 22A
VT 30
VT 31
VT 78
VT 100
VT 100A
VT 103
VT 106
VT 131
VT 133
VT 140
VT 149
VT 155

Sources: Land Use Land Cover & Hillshade provided by VCGI (2002); Statewide datasets provided by VCGI: Roads by VTrans (2013); NRCS Soils by NRCS (2008); Streams & Waterbodies by VHD (2010), County and Town Boundaries by VCGI (2012), Provided by TRC: Conceptual Project Alignment (2015); Proposed Crossing Method by VHB (2015)

Proposed Crossing Method (VHB)
- Aerial
- At Culvert
- Duct Bank
- HDD
- OTE
- Over Culvert

- NECPL Proposed Alignment (TRC)
- Streams (VHD)
- Waterbody (VHD)
- Roads
- Town Boundary (VCGI)
- County Boundary (VCGI)

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TDI - NECPL Project
Overland Component
Grand Isle, Rutland, & Windsor Counties, VT
Perennial Stream Crossing Index Map

March 6, 2015
Updated: April 29, 2015

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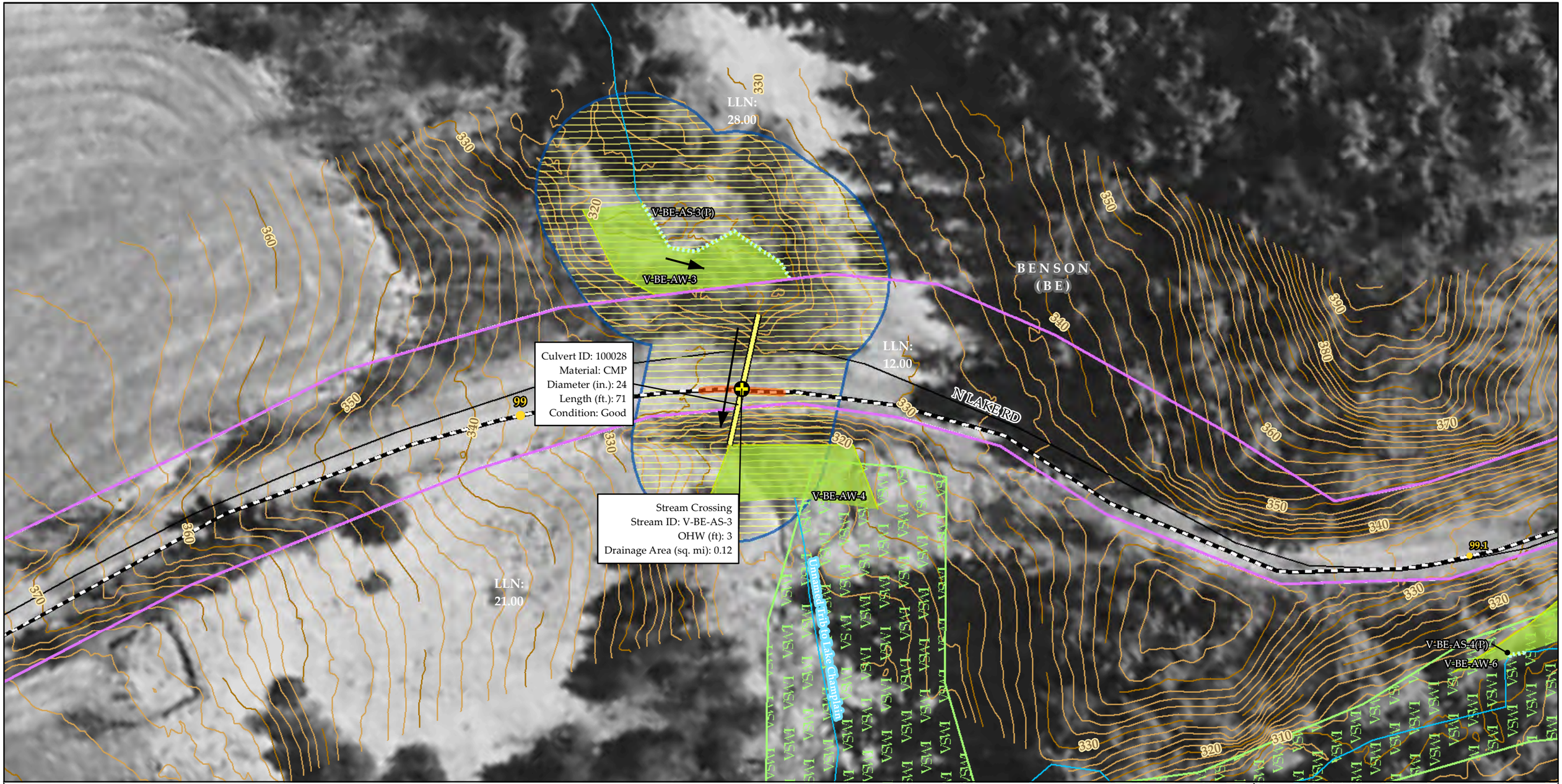

Sources: Background imagery provided by VCGI (2007-2013); Provided by VCGI: Roads and Railroads by VTrans (2010); Streams & Waterbodies by VHD (2010), VSWI Wetlands by ANR (2010),Town Boundaries by VCGI (2012); Provided by TRC: Parcel Boundaries (2009-2013), Contours (2014), Proposed Project Alignment (2015), Road and Railroad ROW (2014), 100-year flood & Floodway by FEMA; Stream Delineations by TRC & VHB (2014); Proposed Crossing Method by VHB (2015); Fluvial Erosion Hazard (FEH) areas by ANR (2014); River Corridors and Refined River Corridor by VHB (2015).

50 25 0 50

Feet

- Mile Posts
- Sheet Outline
- Road and Railroad ROW (TRC)

NECPL Proposed Overland Alignment (TRC)

- HDD
- Jack and Bore
- Terrestrial Cable
- Terrestrial Cable - Bridge Attachment
- Terrestrial Cable - Duct Bank

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- Parcel Boundary (TRC)
- Roads (VTrans)
- Railroads (VTrans)
- 10' Contour (TRC)
- 2' Contour (TRC)

NECPL Project
Overland Component
Grand Isle, Rutland & Windsor Counties, VT
Perennial Stream Crossings Maps

Sheet Number 1 of 52

March 6, 2015

Updated: April 29, 2015

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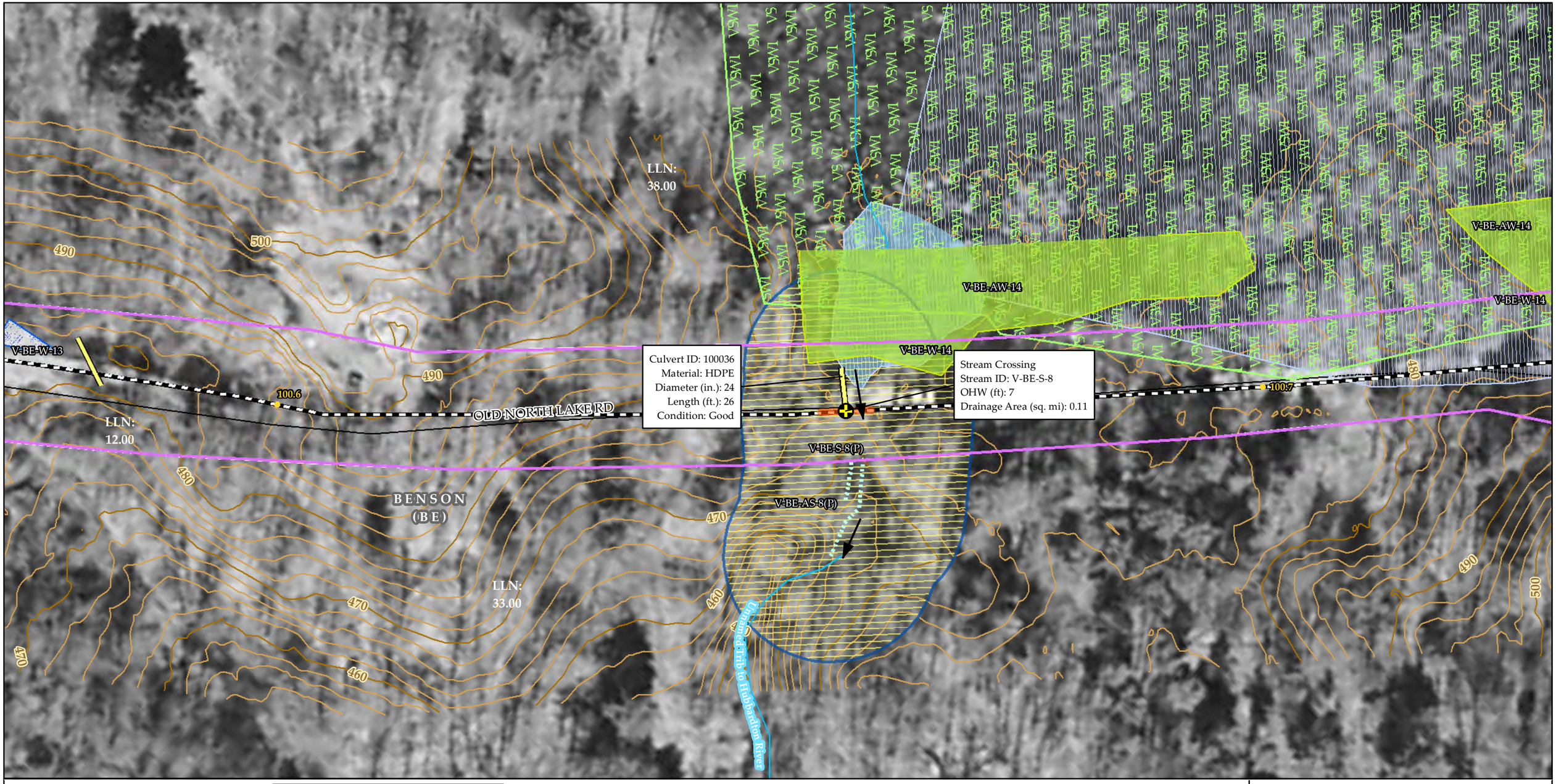

Sources: Background imagery provided by VCGI (2007-2013); Provided by VCGI: Roads and Railroads by VTrans (2010); Streams & Waterbodies by VHD (2010), VSWI Wetlands by ANR (2010),Town Boundaries by VCGI (2012); Provided by TRC: Parcel Boundaries (2009-2013), Contours (2014), Proposed Project Alignment (2015), Road and Railroad ROW (2014), 100-year flood & Floodway by FEMA; Stream Delineations by TRC & VHB (2014); Proposed Crossing Method by VHB (2015); Fluvial Erosion Hazard (FEH) areas by ANR (2014); River Corridors and Refined River Corridor by VHB (2015).

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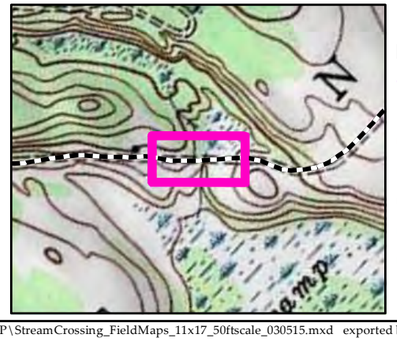

- Mile Posts
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NECPL Proposed Overland Alignment (TRC)
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NECPL Project
Overland Component
Grand Isle, Rutland & Windsor Counties, VT
Perennial Stream Crossings Maps

Sheet Number 2 of 52

March 6, 2015

Updated: April 29, 2015

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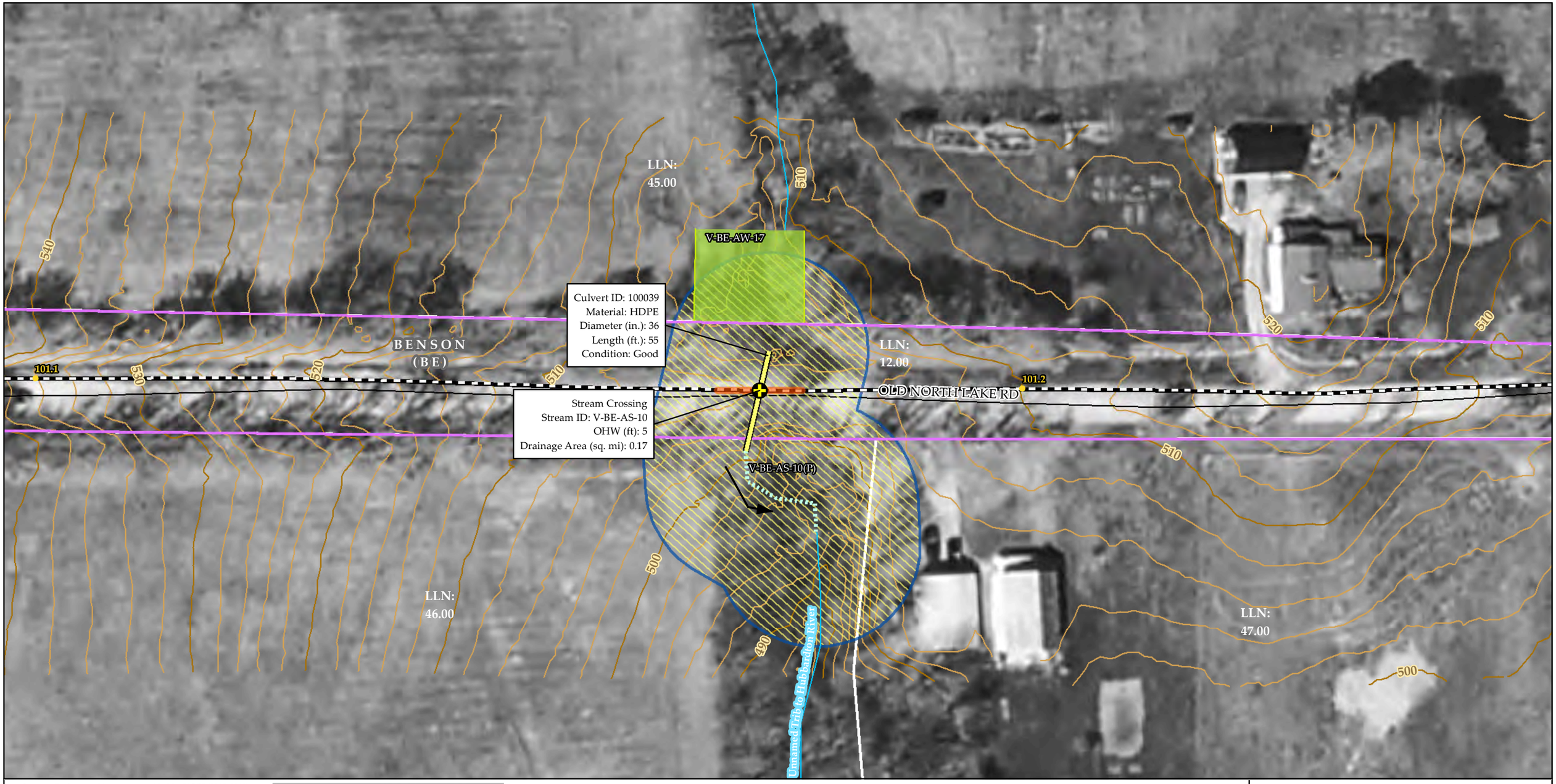

Sources: Background imagery provided by VCGI (2007-2013); Provided by VCGI: Roads and Railroads by VTrans (2010); Streams & Waterbodies by VHD (2010), VSWI Wetlands by ANR (2010),Town Boundaries by VCGI (2012); Provided by TRC: Parcel Boundaries (2009-2013), Contours (2014), Proposed Project Alignment (2015), Road and Railroad ROW (2014), 100-year flood & Floodway by FEMA; Stream Delineations by TRC & VHB (2014); Proposed Crossing Method by VHB (2015); Fluvial Erosion Hazard (FEH) areas by ANR (2014); River Corridors and Refined River Corridor by VHB (2015).

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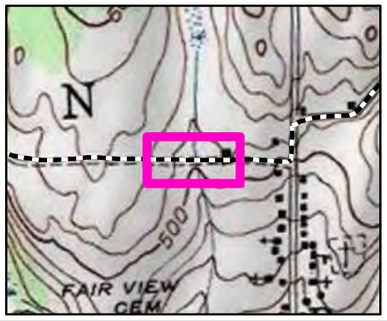

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- Railroads (VTrans)
- 10' Contour (TRC)
- 2' Contour (TRC)

NECPL Project
Overland Component
Grand Isle, Rutland & Windsor Counties, VT
Perennial Stream Crossings Maps

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March 6, 2015

Updated: April 29, 2015

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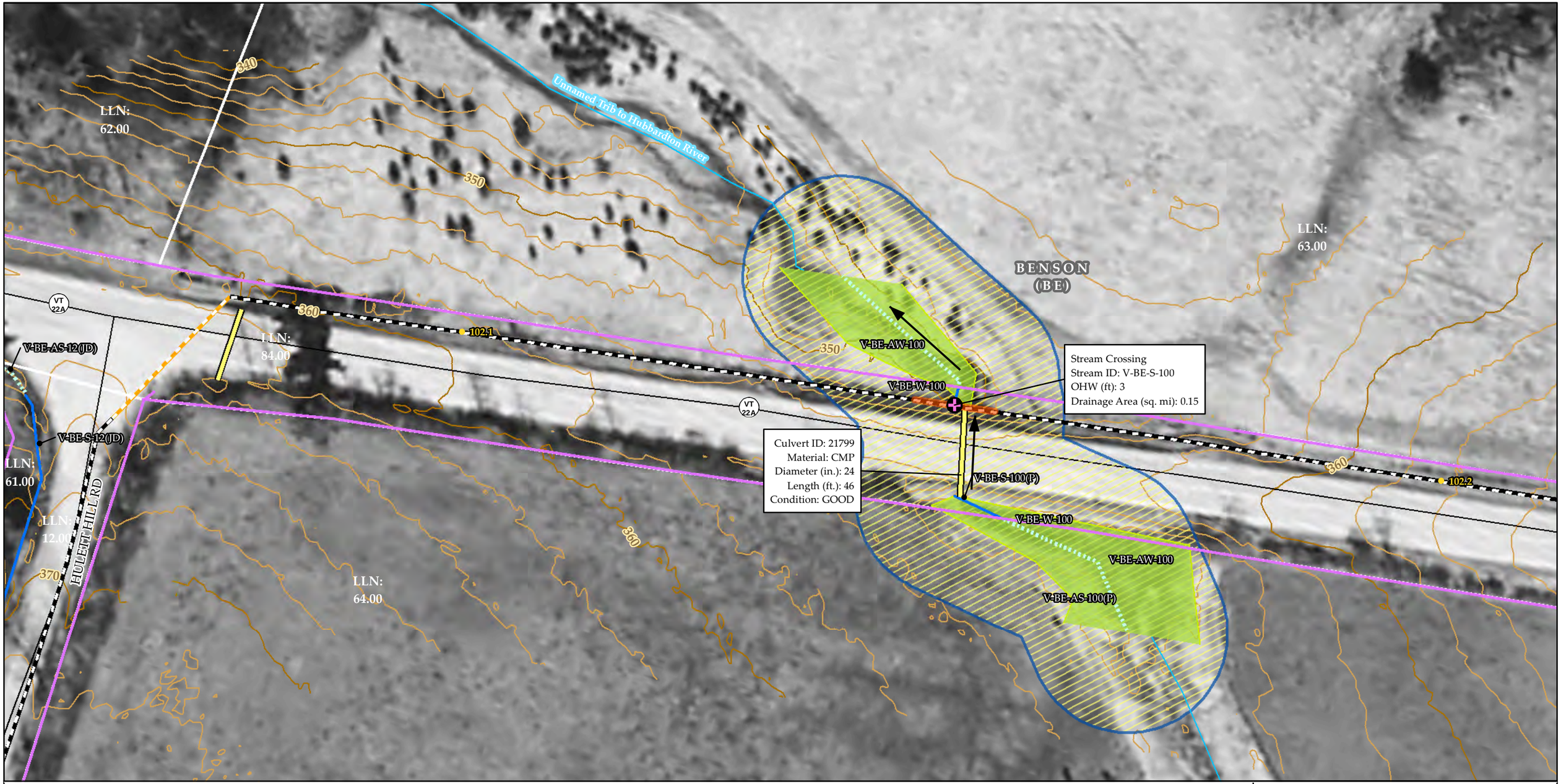

Sources: Background imagery provided by VCGI (2007-2013); Provided by VCGI: Roads and Railroads by VTrans (2010); Streams & Waterbodies by VHD (2010), VSWI Wetlands by ANR (2010),Town Boundaries by VCGI (2012); Provided by TRC: Parcel Boundaries (2009-2013), Contours (2014), Proposed Project Alignment (2015), Road and Railroad ROW (2014), 100-year flood & Floodway by FEMA; Stream Delineations by TRC & VHB (2014); Proposed Crossing Method by VHB (2015); Fluvial Erosion Hazard (FEH) areas by ANR (2014); River Corridors and Refined River Corridor by VHB (2015).

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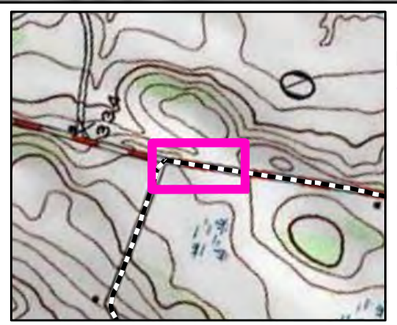

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NECPL Proposed Overland Alignment (TRC)
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NECPL Project
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Grand Isle, Rutland & Windsor Counties, VT
Perennial Stream Crossings Maps

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Updated: April 29, 2015

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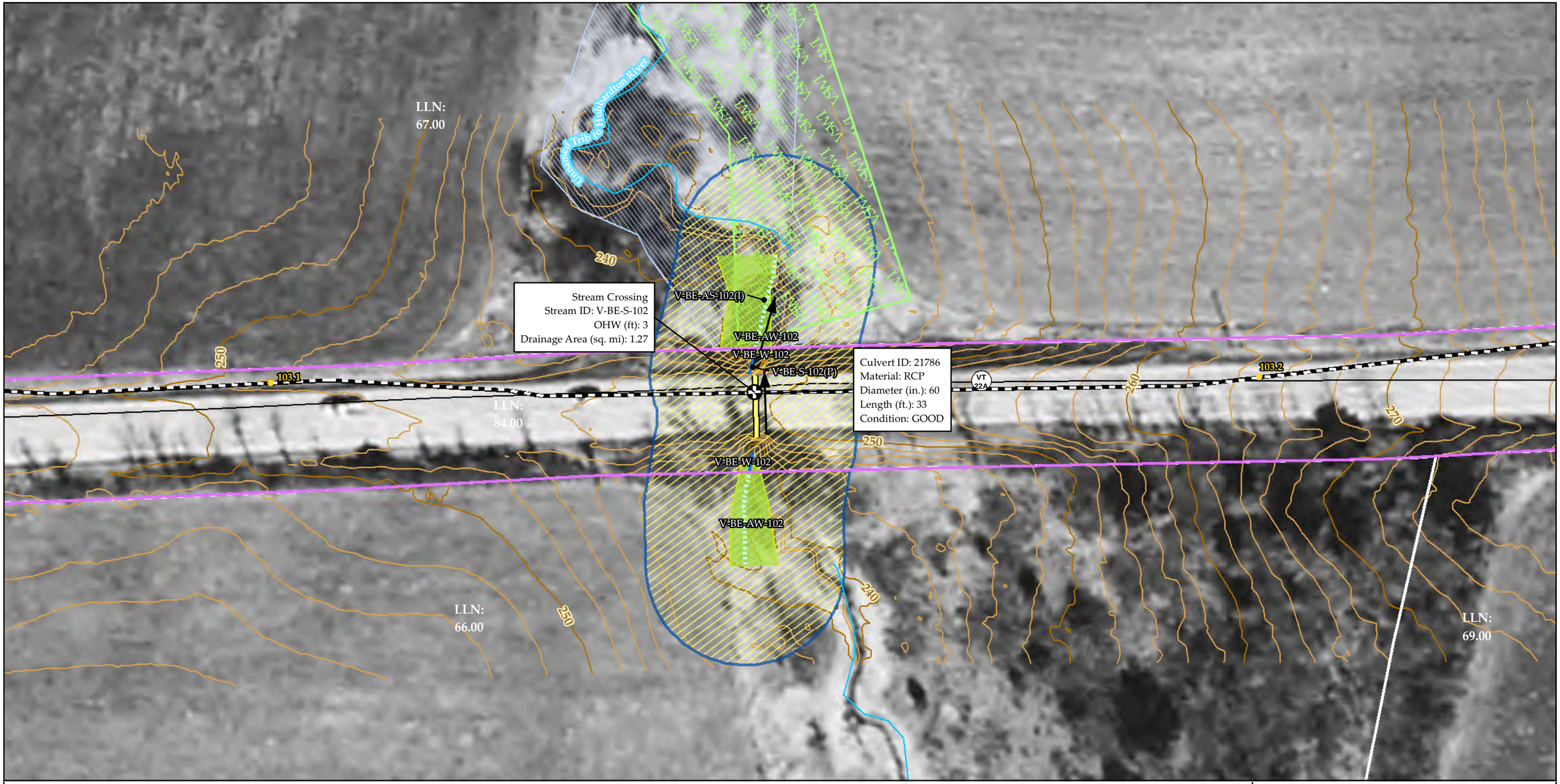

Sources: Background imagery provided by VCGI (2007-2013); Provided by VCGI: Roads and Railroads by VTrans (2010); Streams & Waterbodies by VHD (2010), VSWI Wetlands by ANR (2010),Town Boundaries by VCGI (2012); Provided by TRC: Parcel Boundaries (2009-2013), Contours (2014), Proposed Project Alignment (2015), Road and Railroad ROW (2014), 100-year flood & Floodway by FEMA; Stream Delineations by TRC & VHB (2014); Proposed Crossing Method by VHB (2015); Fluvial Erosion Hazard (FEH) areas by ANR (2014); River Corridors and Refined River Corridor by VHB (2015).

50 25 0 50

Feet

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NECPL Proposed Overland Alignment (TRC)
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- Terrestrial Cable - Duct Bank

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- Parcel Boundary (TRC)
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- Railroads (VTrans)
- 10' Contour (TRC)
- 2' Contour (TRC)

NECPL Project
Overland Component
Grand Isle, Rutland & Windsor Counties, VT
Perennial Stream Crossings Maps

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March 6, 2015

Updated: April 29, 2015

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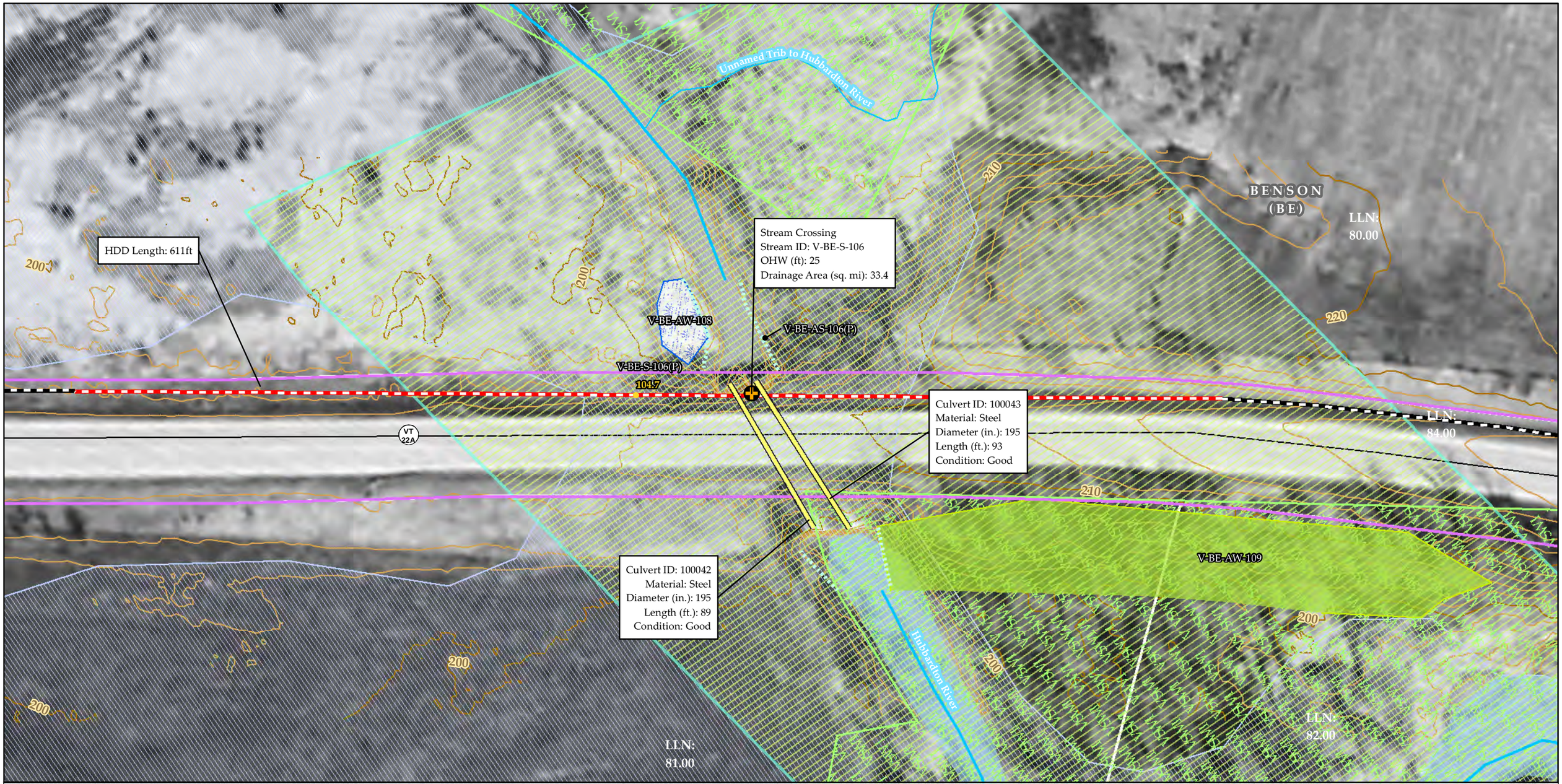

Sources: Background imagery provided by VCGI (2007-2013); Provided by VCGI: Roads and Railroads by VTrans (2010); Streams & Waterbodies by VHD (2010), VSWI Wetlands by ANR (2010),Town Boundaries by VCGI (2012); Provided by TRC: Parcel Boundaries (2009-2013), Contours (2014), Proposed Project Alignment (2015), Road and Railroad ROW (2014), 100-year flood & Floodway by FEMA; Stream Delineations by TRC & VHB (2014); Proposed Crossing Method by VHB (2015); Fluvial Erosion Hazard (FEH) areas by ANR (2014); River Corridors and Refined River Corridor by VHB (2015).

50 25 0 50 Feet

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NECPL Proposed Overland Alignment (TRC)

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- Terrestrial Cable - Bridge Attachment
- Terrestrial Cable - Duct Bank

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- Railroads (VTrans)
- 10' Contour (TRC)
- 2' Contour (TRC)

NECPL Project
Overland Component
Grand Isle, Rutland & Windsor Counties, VT
Perennial Stream Crossings Maps

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March 6, 2015

Updated: April 29, 2015

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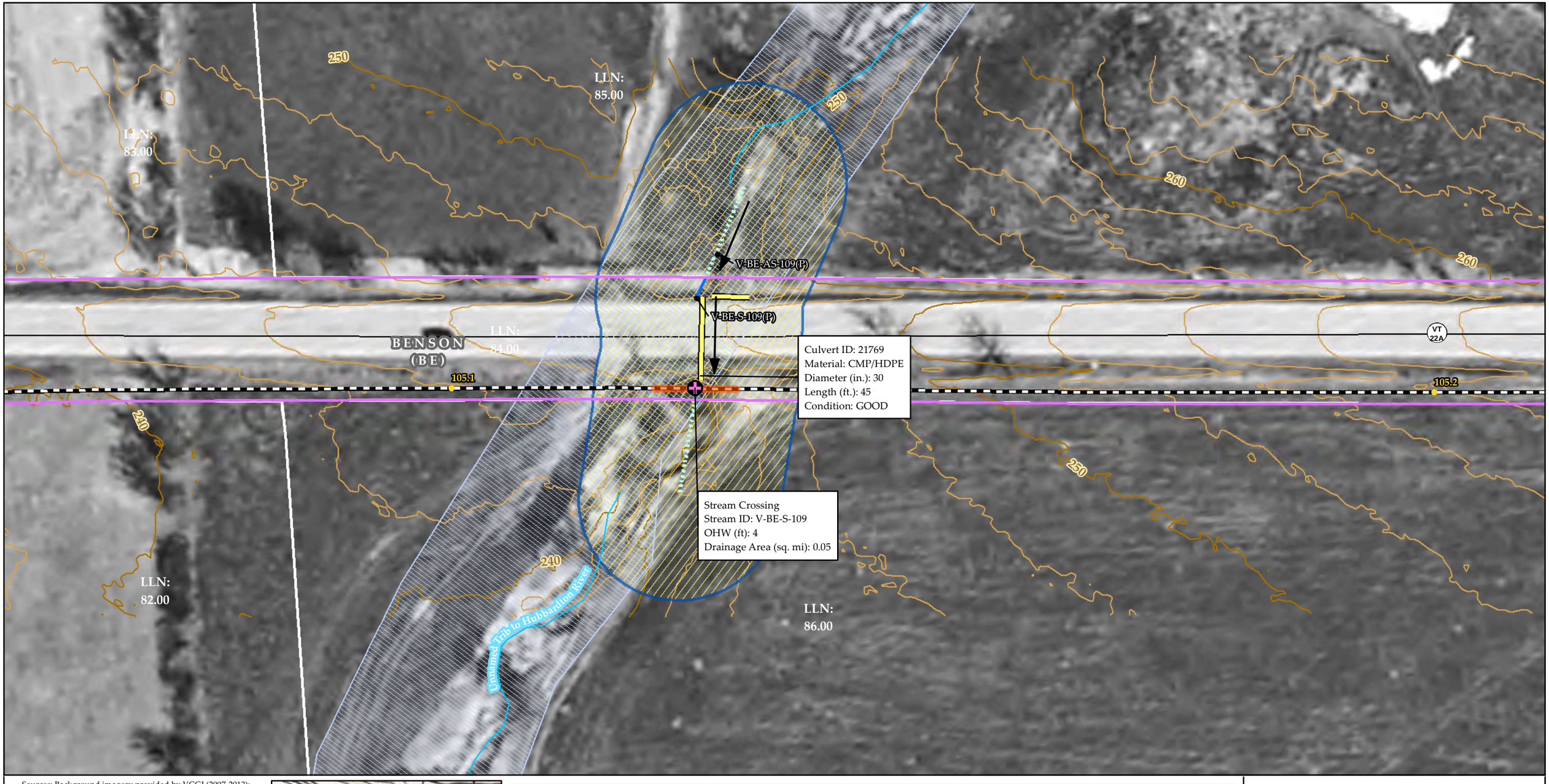

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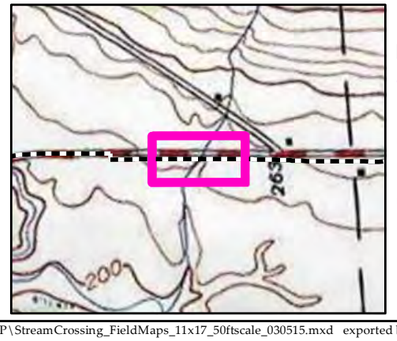
Feet



- Mile Posts
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- Railroads (VTrans)
- 10' Contour (TRC)
- 2' Contour (TRC)

NECPL Project
Overland Component
Grand Isle, Rutland & Windsor Counties, VT
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March 6, 2015

Updated: April 29, 2015

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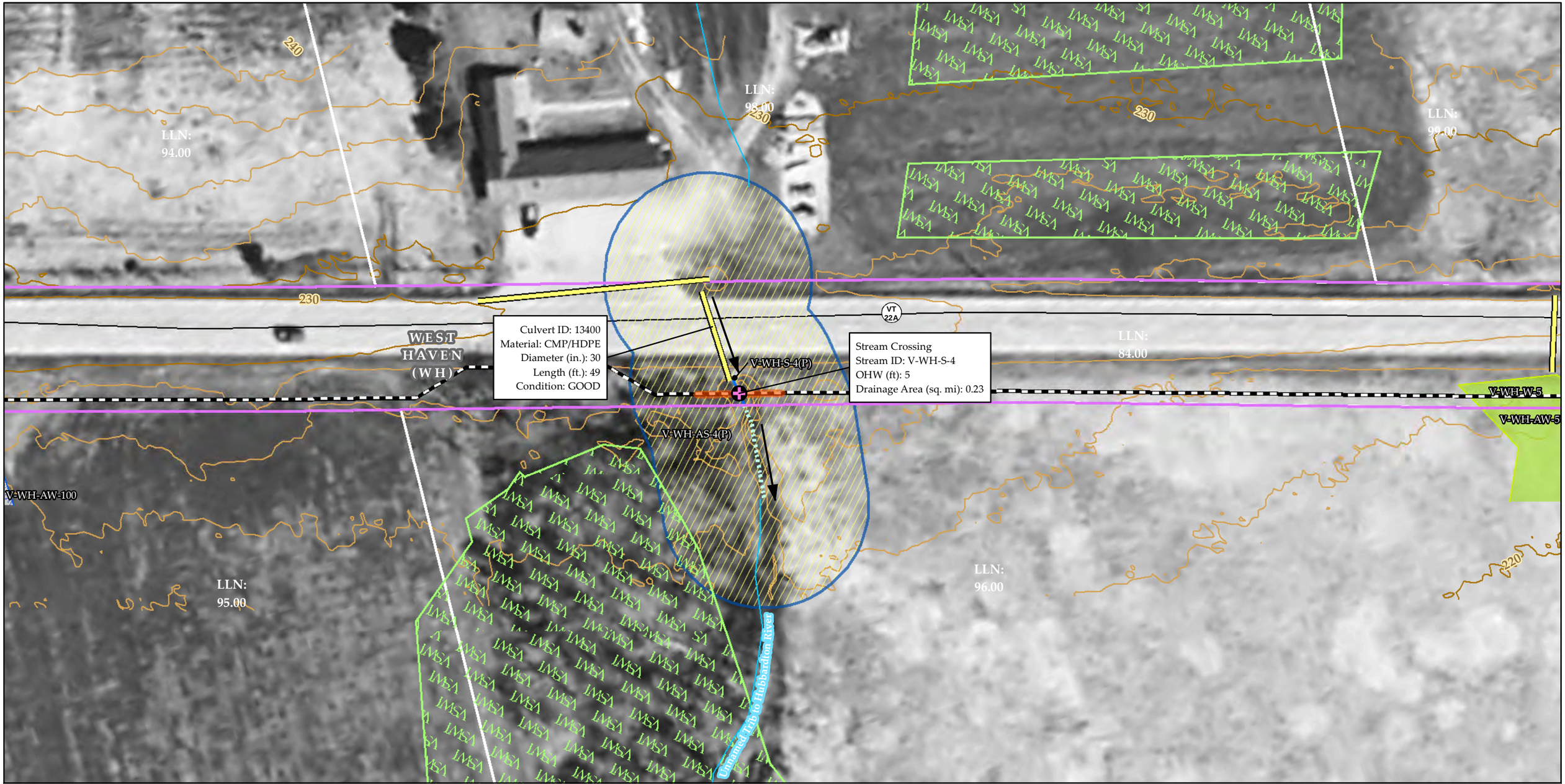

Sources: Background imagery provided by VCGI (2007-2013); Provided by VCGI: Roads and Railroads by VTrans (2010); Streams & Waterbodies by VHD (2010), VSWI Wetlands by ANR (2010),Town Boundaries by VCGI (2012); Provided by TRC: Parcel Boundaries (2009-2013), Contours (2014), Proposed Project Alignment (2015), Road and Railroad ROW (2014), 100-year flood & Floodway by FEMA; Stream Delineations by TRC & VHB (2014); Proposed Crossing Method by VHB (2015); Fluvial Erosion Hazard (FEH) areas by ANR (2014); River Corridors and Refined River Corridor by VHB (2015).

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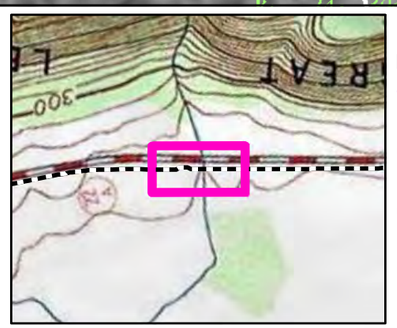

- Mile Posts
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- Road and Railroad ROW (TRC)

NECPL Proposed Overland Alignment (TRC)

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NECPL Project
Overland Component
Grand Isle, Rutland & Windsor Counties, VT
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March 6, 2015
Updated: April 29, 2015

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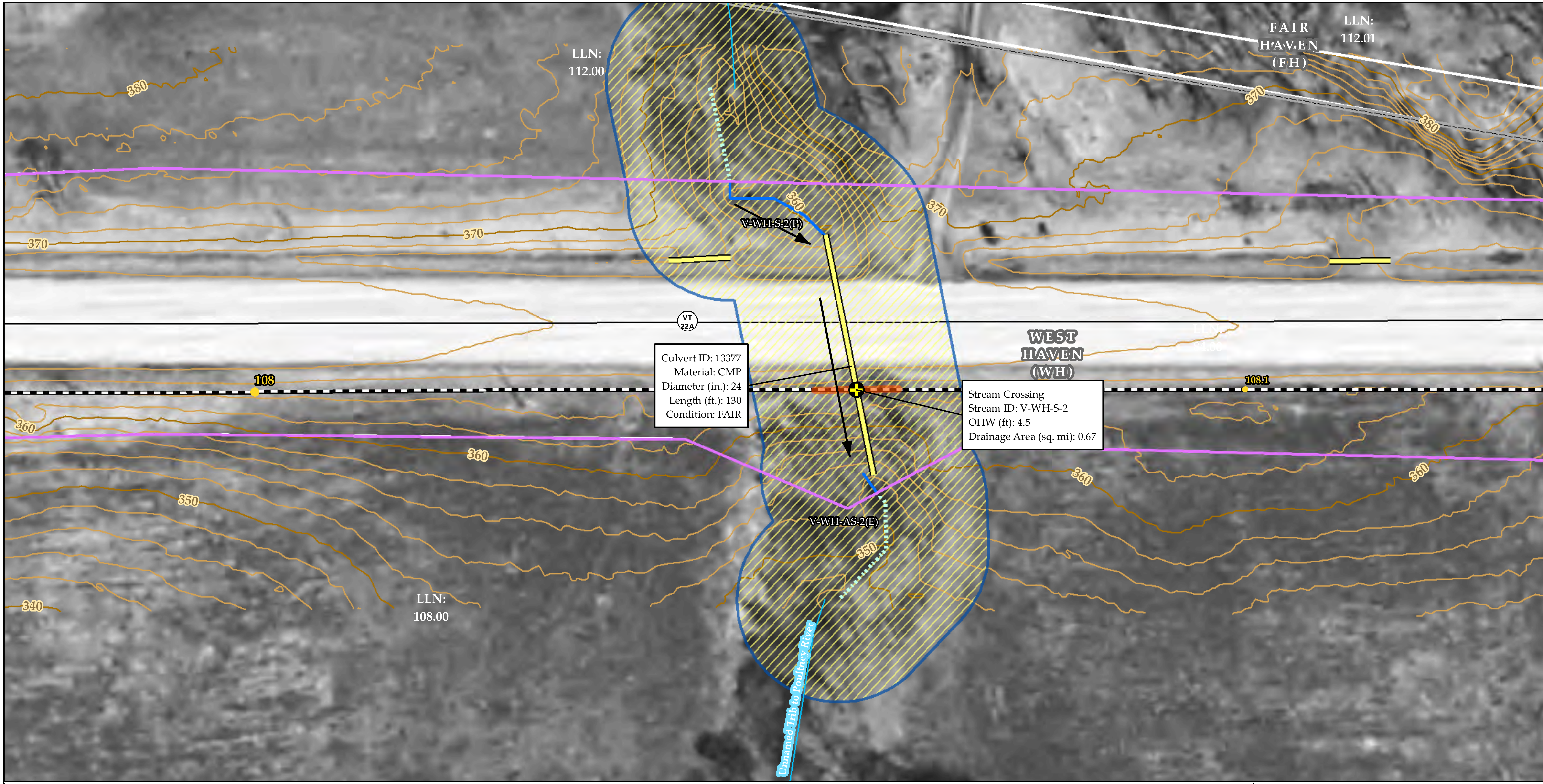

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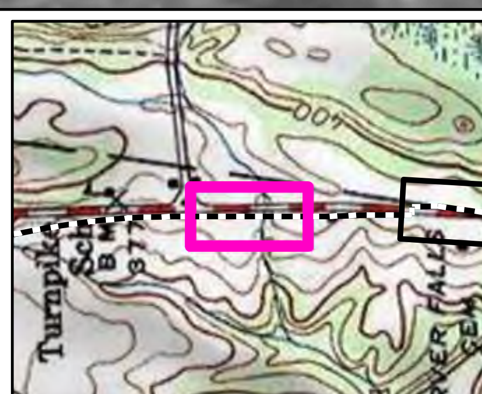

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NECPL Project
Overland Component
Grand Isle, Rutland & Windsor Counties, VT
Perennial Stream Crossings Maps

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March 6, 2015
Updated: April 29, 2015

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LLN: 112.01

LLN: 112.02

LLN: 112.01

LLN: 112.03

FAIR HAVEN (FH)

WEST HAVEN (WH)

LLN: 108.00

LLN: 84.00

LLN: 113.00

HDD Length: 430ft

V-FH-AS-25(P)

V-FH-AW-27

V-FH-W-27

V-FH-S-25(P)

Culvert ID: 13371
Material: CMP
Diameter (in.): 48
Length (ft.): 101
Condition: GOOD

Stream Crossing
Stream ID: V-FH-S-25
OHW (ft): 5
Drainage Area (sq. mi): 0.004

108.3

108.4

043

VT 22A

370

380

390

360

350

Sources: Background imagery provided by VCGI (2007-2013); Provided by VCGI: Roads and Railroads by VTrans (2010); Streams & Waterbodies by VHD (2010), VSWI Wetlands by ANR (2010),Town Boundaries by VCGI (2012); Provided by TRC: Parcel Boundaries (2009-2013), Contours (2014), Proposed Project Alignment (2015), Road and Railroad ROW (2014), 100-year flood & Floodway by FEMA; Stream Delineations by TRC & VHB (2014); Proposed Crossing Method by VHB (2015); Fluvial Erosion Hazard (FEH) areas by ANR (2014); River Corridors and Refined River Corridor by VHB (2015).

50 25 0 50 Feet

- Mile Posts
- Sheet Outline
- Road and Railroad ROW (TRC)

NECPL Proposed Overland Alignment (TRC)

- HDD
- Jack and Bore
- Terrestrial Cable
- Terrestrial Cable - Bridge Attachment
- Terrestrial Cable - Duct Bank

Proposed Crossing Method (VHB)

- Aerial
- At Culvert
- Duct Bank
- HDD
- OTE
- Over Culvert
- Refined River Corridor

- Culverts (TRC/VHB)
- Delineated Streams
- Approximate Streams (TRC/VHB)
- Proposed Class II Wetland (TRC/VHB)
- Proposed Class III Wetland (TRC/VHB)
- VSWI Wetland (ANR)
- Named VHD Stream
- Unnamed VHD Stream
- Waterbody (VHD)

- 100 year flood (FEMA)
- Floodway
- FEH (ANR)
- River Corridor (VHB)
- Town Boundary (VCGI)
- Parcel Boundary (TRC)
- Roads (VTrans)
- Railroads (VTrans)
- 10' Contour (TRC)
- 2' Contour (TRC)

NECPL Project
Overland Component
Grand Isle, Rutland & Windsor Counties, VT
Perennial Stream Crossings Maps

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Unnamed trib to Mud Brook

LLN:
124.00

V-FH-AW-19

V-FH-AW-20

V-FH-W-20

V-FH-W-19

360

340

350

109.6

Stream Crossing
Stream ID: V-FH-S-17
OHW (ft): 3
Drainage Area (sq. mi): 0.41

FAIR
HAVEN
(FH)

VT
22A

Culvert ID: 13358
Material: CMP
Diameter (in.): 48
Length (ft.): 168
Condition: GOOD

LLN:
84.00

350

340

V-FH-S-17(P)

V-FH-W-20

330

330

360

V-FH-AW-20

LLN:
121.00

340

V-FH-AW-20

V-FH-AS-17(P)

Sources: Background imagery provided by VCGI (2007-2013); Provided by VCGI: Roads and Railroads by VTrans (2010); Streams & Waterbodies by VHD (2010), VSWI Wetlands by ANR (2010),Town Boundaries by VCGI (2012); Provided by TRC: Parcel Boundaries (2009-2013), Contours (2014), Proposed Project Alignment (2015), Road and Railroad ROW (2014), 100-year flood & Floodway by FEMA; Stream Delineations by TRC & VHB (2014); Proposed Crossing Method by VHB (2015); Fluvial Erosion Hazard (FEH) areas by ANR (2014); River Corridors and Refined River Corridor by VHB (2015).

50 25 0 50
Feet

- Mile Posts
- Sheet Outline
- Road and Railroad ROW (TRC)

NECPL Proposed Overland Alignment (TRC)
- HDD
- Jack and Bore
- Terrestrial Cable
- Terrestrial Cable - Bridge Attachment
- Terrestrial Cable - Duct Bank

Proposed Crossing Method (VHB)
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- Waterbody (VHD)

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- Floodway
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- River Corridor (VHB)
- Town Boundary (VCGI)
- Parcel Boundary (TRC)
- Roads (VTrans)
- Railroads (VTrans)
- 10' Contour (TRC)
- 2' Contour (TRC)

NECPL Project
Overland Component
Grand Isle, Rutland & Windsor Counties, VT
Perennial Stream Crossings Maps

Sheet Number 11 of 52

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Updated: April 29, 2015

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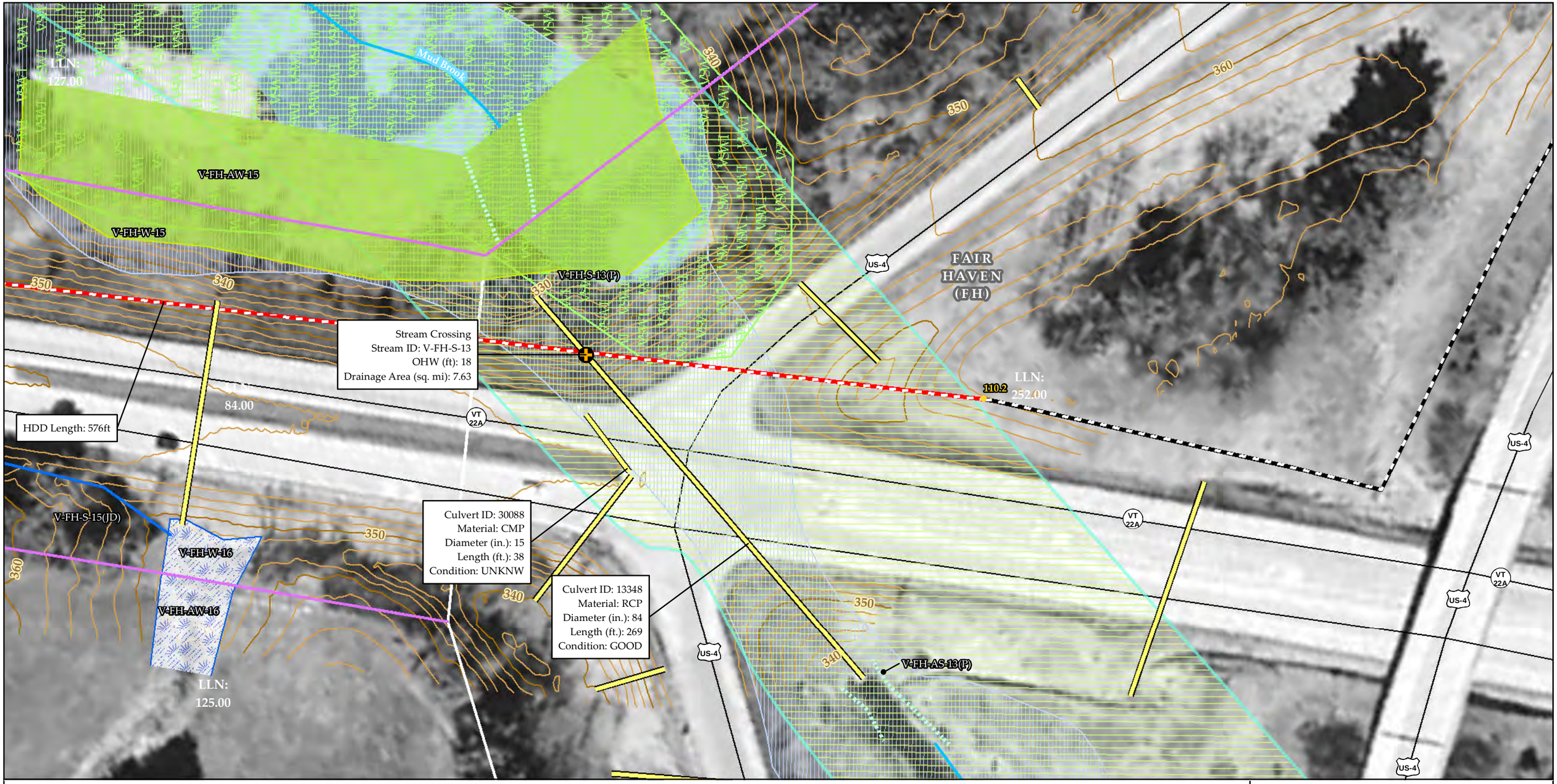
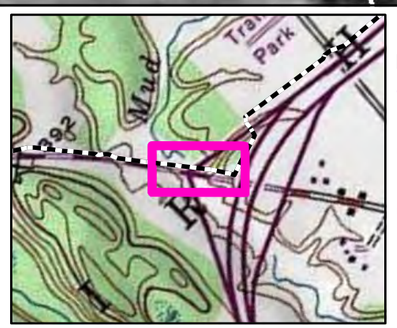


Sources: Background imagery provided by VCGI (2007-2013); Provided by VCGI: Roads and Railroads by VTrans (2010); Streams & Waterbodies by VHD (2010), VSWI Wetlands by ANR (2010),Town Boundaries by VCGI (2012); Provided by TRC: Parcel Boundaries (2009-2013), Contours (2014), Proposed Project Alignment (2015), Road and Railroad ROW (2014), 100-year flood & Floodway by FEMA; Stream Delineations by TRC & VHB (2014); Proposed Crossing Method by VHB (2015); Fluvial Erosion Hazard (FEH) areas by ANR (2014); River Corridors and Refined River Corridor by VHB (2015).

50 25 0 50 Feet



- Mile Posts
- Sheet Outline
- Road and Railroad ROW (TRC)

NECPL Proposed Overland Alignment (TRC)
- HDD
- Jack and Bore
- Terrestrial Cable
- Terrestrial Cable - Bridge Attachment
- Terrestrial Cable - Duct Bank

Proposed Crossing Method (VHB)
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- Parcel Boundary (TRC)
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- Railroads (VTrans)
- 10' Contour (TRC)
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NECPL Project
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Grand Isle, Rutland & Windsor Counties, VT
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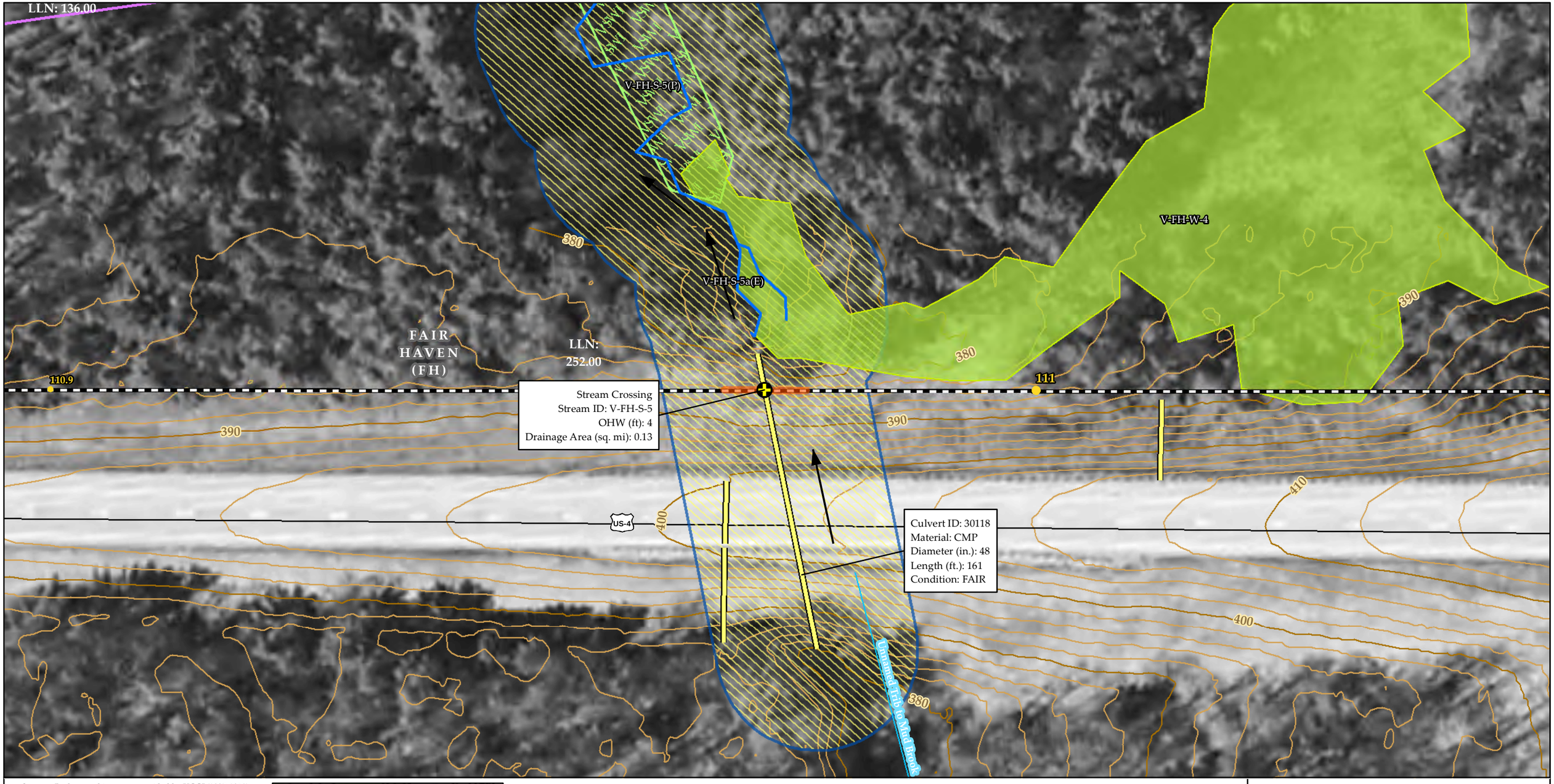
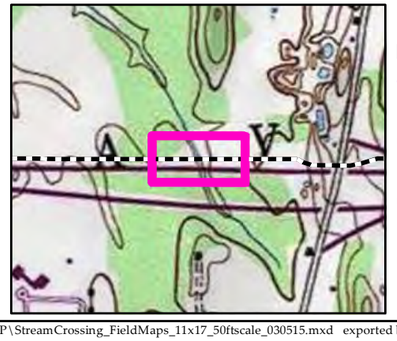


Sources: Background imagery provided by VCGI (2007-2013); Provided by VCGI: Roads and Railroads by VTrans (2010); Streams & Waterbodies by VHD (2010), VSWI Wetlands by ANR (2010),Town Boundaries by VCGI (2012); Provided by TRC: Parcel Boundaries (2009-2013), Contours (2014), Proposed Project Alignment (2015), Road and Railroad ROW (2014), 100-year flood & Floodway by FEMA; Stream Delineations by TRC & VHB (2014); Proposed Crossing Method by VHB (2015); Fluvial Erosion Hazard (FEH) areas by ANR (2014); River Corridors and Refined River Corridor by VHB (2015).

50 25 0 50

Feet



- Mile Posts
- Sheet Outline
- Road and Railroad ROW (TRC)

NECPL Proposed Overland Alignment (TRC)

- HDD
- Jack and Bore
- Terrestrial Cable
- Terrestrial Cable - Bridge Attachment
- Terrestrial Cable - Duct Bank

Proposed Crossing Method (VHB)

- Aerial
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- Floodway
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- Town Boundary (VCGI)
- Parcel Boundary (TRC)
- Roads (VTrans)
- Railroads (VTrans)
- 10' Contour (TRC)
- 2' Contour (TRC)

NECPL Project
Overland Component
Grand Isle, Rutland & Windsor Counties, VT
Perennial Stream Crossings Maps

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LLN:
144.00

V-FH-W-10

FAIR
HAVEN
(FH)

Culvert ID: 30125
Material: CMP
Diameter (in.): 48
Length (ft.): 593
Condition: FAIR

LLN:
252.00

111.8

111.9

Stream Crossing
Stream ID: V-FH-S-10
OHW (ft): 2
Drainage Area (sq. mi): 0.34

Unnamed Trib to Castleton River

US-4

430
440
450
460
420
410

Sources: Background imagery provided by VCGI (2007-2013); Provided by VCGI: Roads and Railroads by VTrans (2010); Streams & Waterbodies by VHD (2010), VSWI Wetlands by ANR (2010),Town Boundaries by VCGI (2012); Provided by TRC: Parcel Boundaries (2009-2013), Contours (2014), Proposed Project Alignment (2015), Road and Railroad ROW (2014), 100-year flood & Floodway by FEMA; Stream Delineations by TRC & VHB (2014); Proposed Crossing Method by VHB (2015); Fluvial Erosion Hazard (FEH) areas by ANR (2014); River Corridors and Refined River Corridor by VHB (2015).

50 25 0 50
Feet

- Mile Posts
- Sheet Outline
- Road and Railroad ROW (TRC)

NECPL Proposed Overland Alignment (TRC)
- HDD
- Jack and Bore
- Terrestrial Cable
- Terrestrial Cable - Bridge Attachment
- Terrestrial Cable - Duct Bank

Proposed Crossing Method (VHB)
- Aerial
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- Over Culvert
- Refined River Corridor

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- Floodway
- FEH (ANR)
- River Corridor (VHB)
- Town Boundary (VCGI)
- Parcel Boundary (TRC)
- Roads (VTrans)
- Railroads (VTrans)
- 10' Contour (TRC)
- 2' Contour (TRC)

NECPL Project
Overland Component
Grand Isle, Rutland & Windsor Counties, VT
Perennial Stream Crossings Maps

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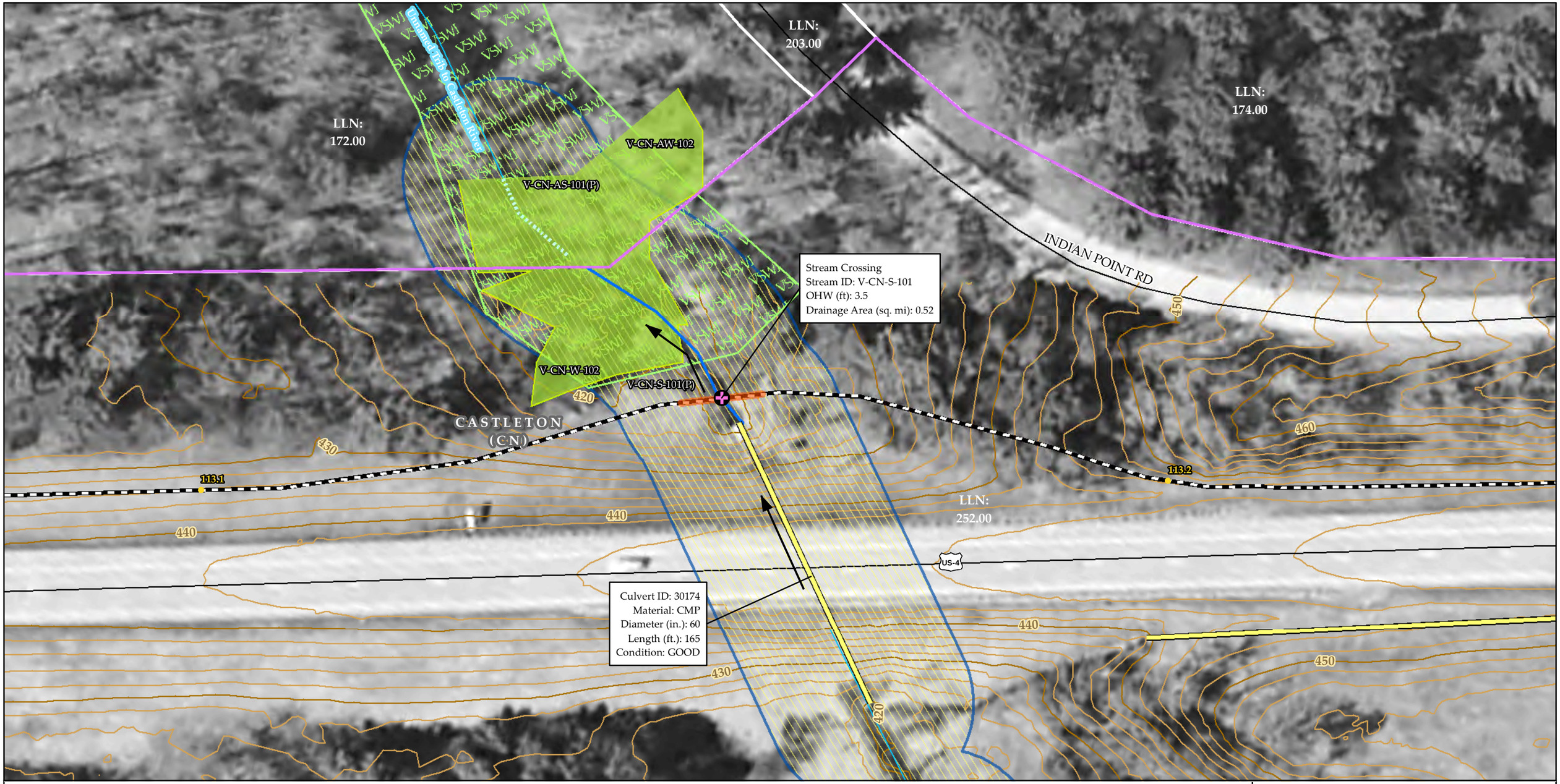
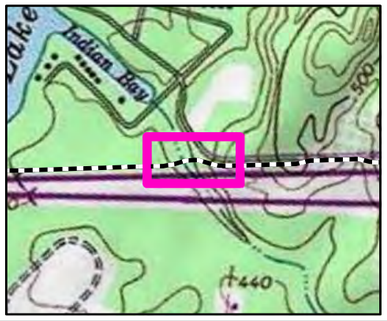


Sources: Background imagery provided by VCGI (2007-2013); Provided by VCGI: Roads and Railroads by VTrans (2010); Streams & Waterbodies by VHD (2010), VSWI Wetlands by ANR (2010),Town Boundaries by VCGI (2012); Provided by TRC: Parcel Boundaries (2009-2013), Contours (2014), Proposed Project Alignment (2015), Road and Railroad ROW (2014), 100-year flood & Floodway by FEMA; Stream Delineations by TRC & VHB (2014); Proposed Crossing Method by VHB (2015); Fluvial Erosion Hazard (FEH) areas by ANR (2014); River Corridors and Refined River Corridor by VHB (2015).

50 25 0 50
Feet



- Mile Posts
- Sheet Outline
- Road and Railroad ROW (TRC)

NECPL Proposed Overland Alignment (TRC)
- HDD
- Jack and Bore
- Terrestrial Cable
- Terrestrial Cable - Bridge Attachment
- Terrestrial Cable - Duct Bank

Proposed Crossing Method (VHB)
- Aerial
- At Culvert
- Duct Bank
- HDD
- OTE
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- Culverts (TRC/VHB)
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- VSWI Wetland (ANR)
- Named VHD Stream
- Unnamed VHD Stream
- Waterbody (VHD)

- 100 year flood (FEMA)
- Floodway
- FEH (ANR)
- River Corridor (VHB)
- Town Boundary (VCGI)
- Parcel Boundary (TRC)
- Roads (VTrans)
- Railroads (VTrans)
- 10' Contour (TRC)
- 2' Contour (TRC)

NECPL Project
Overland Component
Grand Isle, Rutland & Windsor Counties, VT
Perennial Stream Crossings Maps

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LLN:
195.00

CASTLETON
(CN)

Unnamed Trib to Castleton River

LLN:
203.00

LLN:
201.00

HDD Length: 1044ft

NORTH RD

V-CN-AS-12(P)

V-CN-AS-12a(E)

V-CN-S-12a(E)

V-CN-AW-13

V-CN-W-13

115.4

Stream Crossing
Stream ID: V-CN-S-12
OHW (ft): 16
Drainage Area (sq. mi): 0.73

V-CN-S-12(P)

V-CN-W-14

115.5

Culvert ID: 30275
Material: CMP
Diameter (in.): 48
Length (ft.): 145
Condition: GOOD

LLN:
252.00

US-4

NORTH RD

460 470 480 490 450

Sources: Background imagery provided by VCGI (2007-2013); Provided by VCGI: Roads and Railroads by VTrans (2010); Streams & Waterbodies by VHD (2010), VSWI Wetlands by ANR (2010),Town Boundaries by VCGI (2012); Provided by TRC: Parcel Boundaries (2009-2013), Contours (2014), Proposed Project Alignment (2015), Road and Railroad ROW (2014), 100-year flood & Floodway by FEMA; Stream Delineations by TRC & VHB (2014); Proposed Crossing Method by VHB (2015); Fluvial Erosion Hazard (FEH) areas by ANR (2014); River Corridors and Refined River Corridor by VHB (2015).

50 25 0 50
Feet

- Mile Posts
- Sheet Outline
- Road and Railroad ROW (TRC)

NECPL Proposed Overland Alignment (TRC)
- HDD
- Jack and Bore
- Terrestrial Cable
- Terrestrial Cable - Bridge Attachment
- Terrestrial Cable - Duct Bank

Proposed Crossing Method (VHB)
- Aerial
- At Culvert
- Duct Bank
- HDD
- OTE
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- Culverts (TRC/VHB)
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- Unnamed VHD Stream
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- 100 year flood (FEMA)
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- Parcel Boundary (TRC)
- Roads (VTrans)
- Railroads (VTrans)
- 10' Contour (TRC)
- 2' Contour (TRC)

NECPL Project
Overland Component
Grand Isle, Rutland & Windsor Counties, VT
Perennial Stream Crossings Maps

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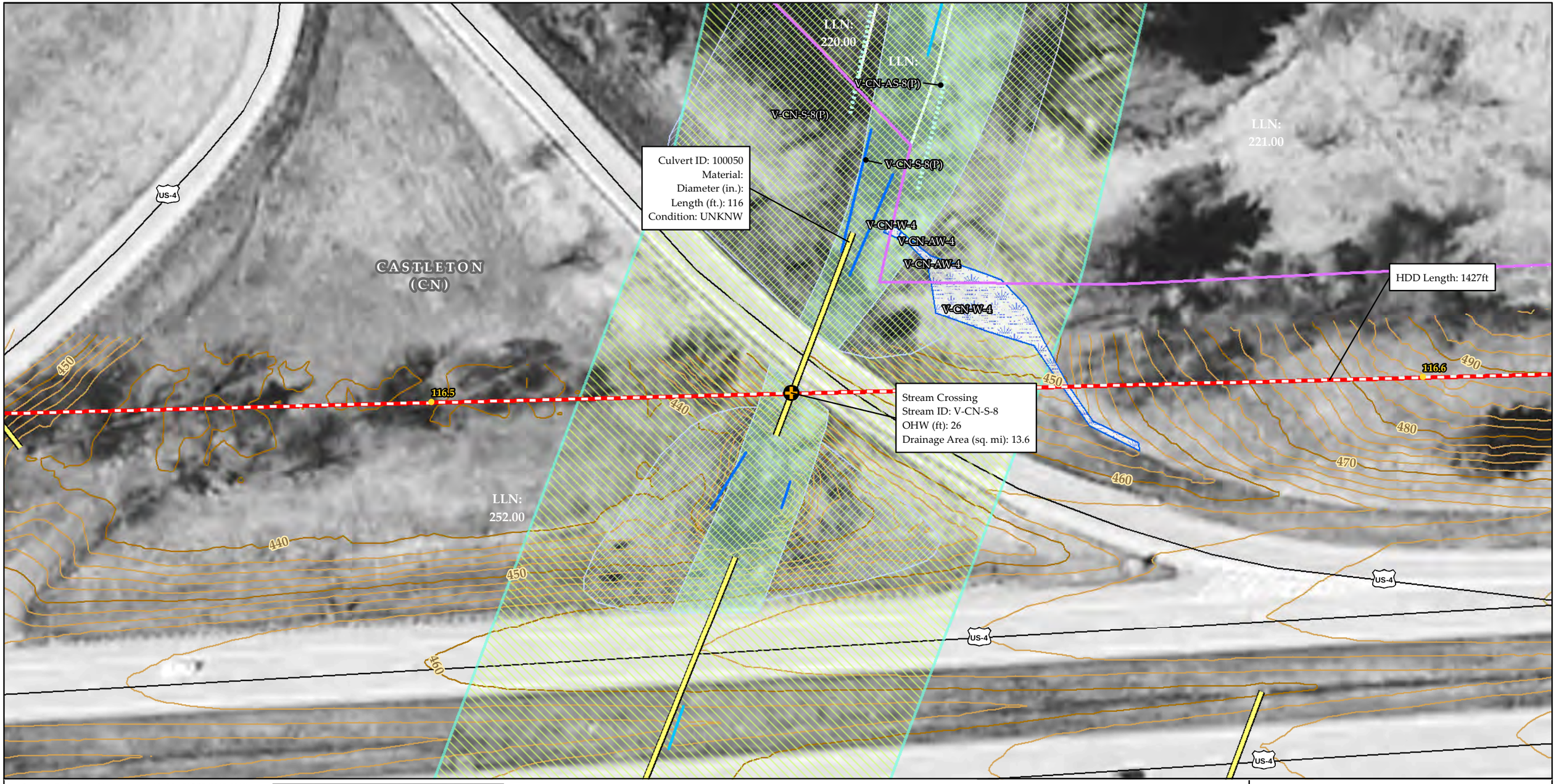
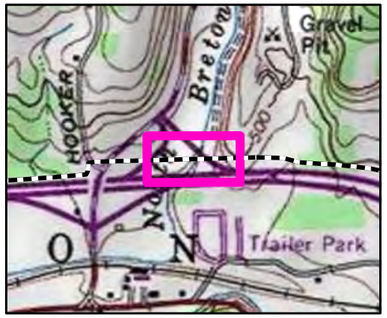


Sources: Background imagery provided by VCGI (2007-2013); Provided by VCGI: Roads and Railroads by VTrans (2010); Streams & Waterbodies by VHD (2010), VSWI Wetlands by ANR (2010),Town Boundaries by VCGI (2012); Provided by TRC: Parcel Boundaries (2009-2013), Contours (2014), Proposed Project Alignment (2015), Road and Railroad ROW (2014), 100-year flood & Floodway by FEMA; Stream Delineations by TRC & VHB (2014); Proposed Crossing Method by VHB (2015); Fluvial Erosion Hazard (FEH) areas by ANR (2014); River Corridors and Refined River Corridor by VHB (2015).

50 25 0 50

Feet



- Mile Posts
- Sheet Outline
- Road and Railroad ROW (TRC)

NECPL Proposed Overland Alignment (TRC)

- HDD
- Jack and Bore
- Terrestrial Cable
- Terrestrial Cable - Bridge Attachment
- Terrestrial Cable - Duct Bank

Proposed Crossing Method (VHB)

- Aerial
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- 2' Contour (TRC)

NECPL Project
Overland Component
Grand Isle, Rutland & Windsor Counties, VT
Perennial Stream Crossings Maps

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LLN:
224.00

V-CN-AS-4(P)

CASTLETON
(CN)

Stream Crossing
Stream ID: V-CN-S-4
OHW (ft): 5
Drainage Area (sq. mi): 0.33

V-CN-S-4(P)

460

470

430

450

460

460

117.7

460

117.8

US-4

LLN:
252.00

450

450

Culvert ID: 30347
Material: RCP
Diameter (in.): 48
Length (ft.): 124
Condition: GOOD

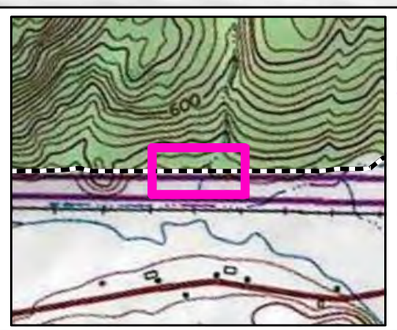
Unnamed Trib to Castleton River

VSWI

Sources: Background imagery provided by VCGI (2007-2013); Provided by VCGI: Roads and Railroads by VTrans (2010); Streams & Waterbodies by VHD (2010), VSWI Wetlands by ANR (2010),Town Boundaries by VCGI (2012); Provided by TRC: Parcel Boundaries (2009-2013), Contours (2014), Proposed Project Alignment (2015), Road and Railroad ROW (2014), 100-year flood & Floodway by FEMA; Stream Delineations by TRC & VHB (2014); Proposed Crossing Method by VHB (2015); Fluvial Erosion Hazard (FEH) areas by ANR (2014); River Corridors and Refined River Corridor by VHB (2015).

50 25 0 50

Feet



- Mile Posts
- Sheet Outline
- Road and Railroad ROW (TRC)

NECPL Proposed Overland Alignment (TRC)
- HDD
- Jack and Bore
- Terrestrial Cable
- Terrestrial Cable - Bridge Attachment
- Terrestrial Cable - Duct Bank

Proposed Crossing Method (VHB)
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- Railroads (VTrans)
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NECPL Project
Overland Component
Grand Isle, Rutland & Windsor Counties, VT
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LLN:
251.00

T-IR-AS-4(P)

T-IR-S4(P)

IRA
(IR)

119.6

LLN:
252.00

US-4

Stream Crossing
Stream ID: T-IR-S4
OHW (ft): 5
Drainage Area (sq. mi): 0.63

Unnamed Trib to Castleton River

Culvert ID: 100051
Material: CMP
Diameter (in.): 72
Length (ft.): 308
Condition: Good

T-IR-S6(I)

LLN:
256.00

119.7

550 540 530 520 510 500 490 560

Sources: Background imagery provided by VCGI (2007-2013); Provided by VCGI: Roads and Railroads by VTrans (2010); Streams & Waterbodies by VHD (2010), VSWI Wetlands by ANR (2010),Town Boundaries by VCGI (2012); Provided by TRC: Parcel Boundaries (2009-2013), Contours (2014), Proposed Project Alignment (2015), Road and Railroad ROW (2014), 100-year flood & Floodway by FEMA; Stream Delineations by TRC & VHB (2014); Proposed Crossing Method by VHB (2015); Fluvial Erosion Hazard (FEH) areas by ANR (2014); River Corridors and Refined River Corridor by VHB (2015).

50 25 0 50
Feet

- Mile Posts
- Sheet Outline
- Road and Railroad ROW (TRC)

NECPL Proposed Overland Alignment (TRC)
- HDD
- Jack and Bore
- Terrestrial Cable
- Terrestrial Cable - Bridge Attachment
- Terrestrial Cable - Duct Bank

Proposed Crossing Method (VHB)
- Aerial
- At Culvert
- Duct Bank
- HDD
- OTE
- Over Culvert
- Refined River Corridor

- Culverts (TRC/VHB)
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- Named VHD Stream
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- Waterbody (VHD)

- 100 year flood (FEMA)
- Floodway
- FEH (ANR)
- River Corridor (VHB)
- Town Boundary (VCGI)
- Parcel Boundary (TRC)
- Roads (VTrans)
- Railroads (VTrans)
- 10' Contour (TRC)
- 2' Contour (TRC)

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LLN: 262.00

LLN: 261.00

T-WR-AS-37(I)

T-WR-AW-12

Culvert ID: 30453
Material: CMP
Diameter (in.): 36
Length (ft.): 337
Condition: UNKNW

Stream Crossing
Stream ID: T-WR-S34
OHW (ft): 3
Drainage Area (sq. mi): 0.04

121.1

WEST RUTLAND (WR)

LLN: 252.00

US-4

T-WR-S34(P)

T-WR-W10

T-WR-AW-10

Sources: Background imagery provided by VCGI (2007-2013); Provided by VCGI: Roads and Railroads by VTrans (2010); Streams & Waterbodies by VHD (2010), VSWI Wetlands by ANR (2010),Town Boundaries by VCGI (2012); Provided by TRC: Parcel Boundaries (2009-2013), Contours (2014), Proposed Project Alignment (2015), Road and Railroad ROW (2014), 100-year flood & Floodway by FEMA; Stream Delineations by TRC & VHB (2014); Proposed Crossing Method by VHB (2015); Fluvial Erosion Hazard (FEH) areas by ANR (2014); River Corridors and Refined River Corridor by VHB (2015).

50 25 0 50 Feet

vhb

- Mile Posts
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NECPL Proposed Overland Alignment (TRC)
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- Terrestrial Cable - Bridge Attachment
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Proposed Crossing Method (VHB)
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- Floodway
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- Roads (VTrans)
- Railroads (VTrans)
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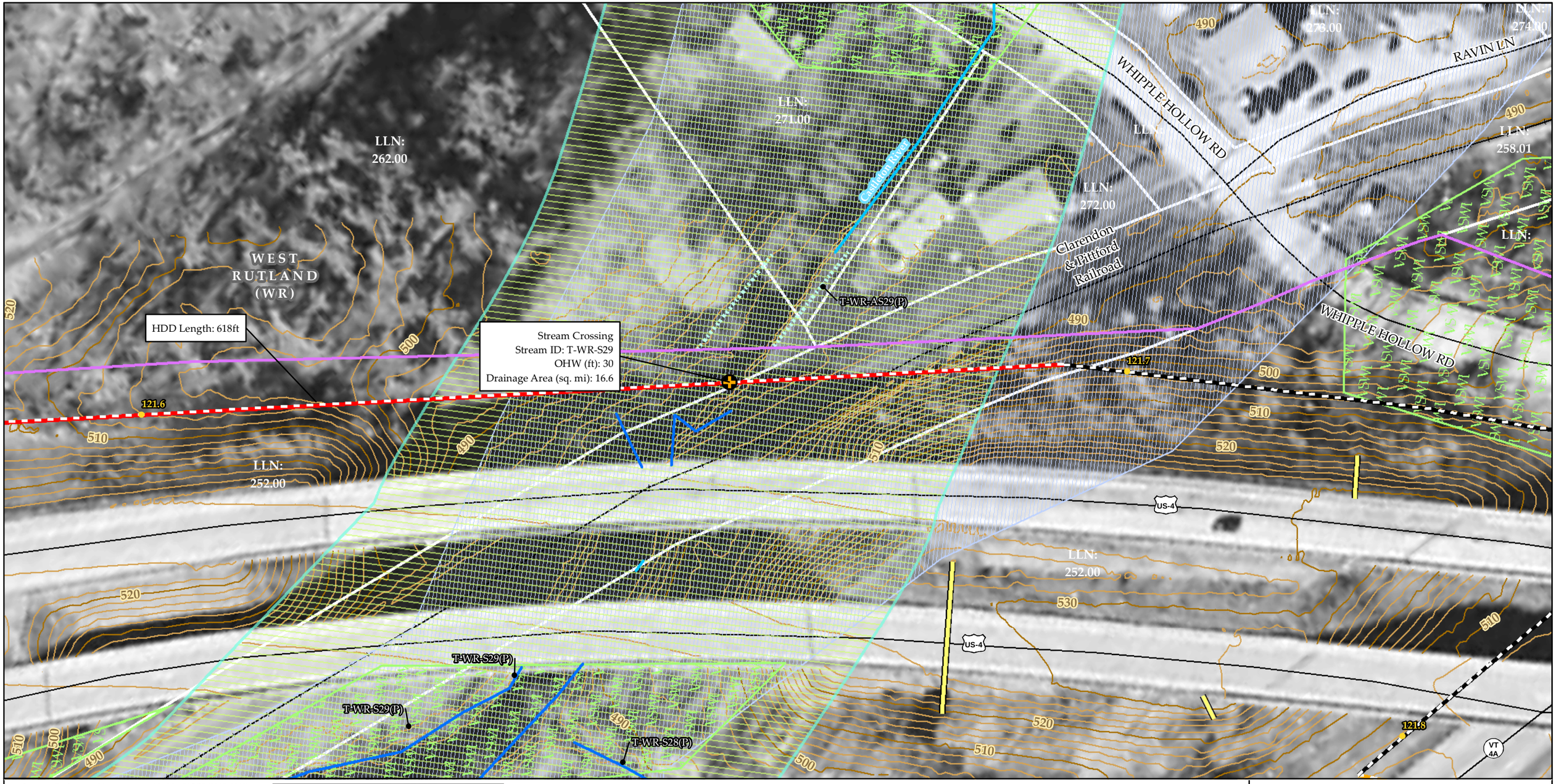

Sources: Background imagery provided by VCGI (2007-2013); Provided by VCGI: Roads and Railroads by VTrans (2010); Streams & Waterbodies by VHD (2010), VSWI Wetlands by ANR (2010),Town Boundaries by VCGI (2012); Provided by TRC: Parcel Boundaries (2009-2013), Contours (2014), Proposed Project Alignment (2015), Road and Railroad ROW (2014), 100-year flood & Floodway by FEMA; Stream Delineations by TRC & VHB (2014); Proposed Crossing Method by VHB (2015); Fluvial Erosion Hazard (FEH) areas by ANR (2014); River Corridors and Refined River Corridor by VHB (2015).

50 25 0 50 Feet

- Mile Posts
- Sheet Outline
- Road and Railroad ROW (TRC)

NECPL Proposed Overland Alignment (TRC)
- HDD
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- Terrestrial Cable - Bridge Attachment
- Terrestrial Cable - Duct Bank

Proposed Crossing Method (VHB)
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- Town Boundary (VCGI)
- Parcel Boundary (TRC)
- Roads (VTrans)
- Railroads (VTrans)
- 10' Contour (TRC)
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Grand Isle, Rutland & Windsor Counties, VT
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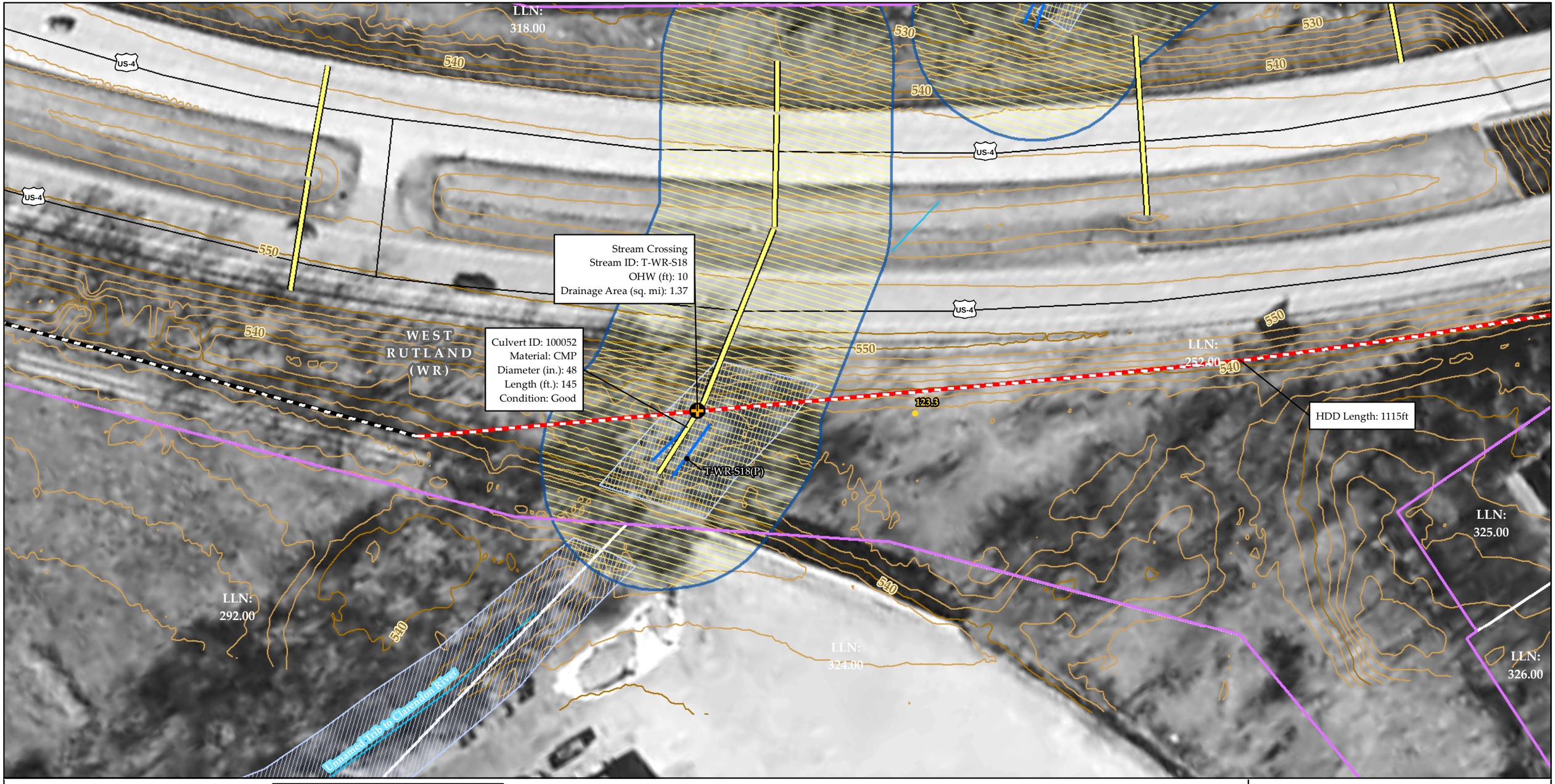

Sources: Background imagery provided by VCGI (2007-2013); Provided by VCGI: Roads and Railroads by VTrans (2010); Streams & Waterbodies by VHD (2010), VSWI Wetlands by ANR (2010),Town Boundaries by VCGI (2012); Provided by TRC: Parcel Boundaries (2009-2013), Contours (2014), Proposed Project Alignment (2015), Road and Railroad ROW (2014), 100-year flood & Floodway by FEMA; Stream Delineations by TRC & VHB (2014); Proposed Crossing Method by VHB (2015); Fluvial Erosion Hazard (FEH) areas by ANR (2014); River Corridors and Refined River Corridor by VHB (2015).

50 25 0 50 Feet

- Mile Posts
- Sheet Outline
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- HDD
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- FEH (ANR)
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- Town Boundary (VCGI)
- Parcel Boundary (TRC)
- Roads (VTrans)
- Railroads (VTrans)
- 10' Contour (TRC)
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Perennial Stream Crossings Maps

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Culvert ID: 101184
Material:
Diameter (in.):
Length (ft.): 298
Condition: UNKNW

HDD Length: 952ft

Stream Crossing
Stream ID: T-WR-S36
OHW (ft): 30
Drainage Area (sq. mi): 43.9

T-WR-W3

T-WR-S36(P)

T-WR-S36(P)

Clarendon River

BOARDMAN HILL RD

WEST RUTLAND (WR)

LLN: 252.00

LLN: 252.00

LLN: 335.00

LLN: 334.00

123.7

123.8

US-4

520

510

500

530

540

550

560

Sources: Background imagery provided by VCGI (2007-2013); Provided by VCGI: Roads and Railroads by VTrans (2010); Streams & Waterbodies by VHD (2010), VSWI Wetlands by ANR (2010),Town Boundaries by VCGI (2012); Provided by TRC: Parcel Boundaries (2009-2013), Contours (2014), Proposed Project Alignment (2015), Road and Railroad ROW (2014), 100-year flood & Floodway by FEMA; Stream Delineations by TRC & VHB (2014); Proposed Crossing Method by VHB (2015); Fluvial Erosion Hazard (FEH) areas by ANR (2014); River Corridors and Refined River Corridor by VHB (2015).

50 25 0 50 Feet

vhb

- Mile Posts
- Sheet Outline
- Road and Railroad ROW (TRC)

NECPL Proposed Overland Alignment (TRC)

- HDD
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Proposed Crossing Method (VHB)

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US-4

US-4

550

540

530

520

530

Otter Creek

LLN:
252.00

540

530

520

126.6

T-RU-W6

T-RU-W7

T-RU-AW-6

T-RU-AW-7

T-RU-S2(P)

T-RU-S2(P)

520

HDD Length: 2269ft

Stream Crossing
Stream ID: T-RU-S2
OHW (ft): 100
Drainage Area (sq. mi): 235

T-RU-AS-2(P)

LLN:
373.00

LLN:
376.00

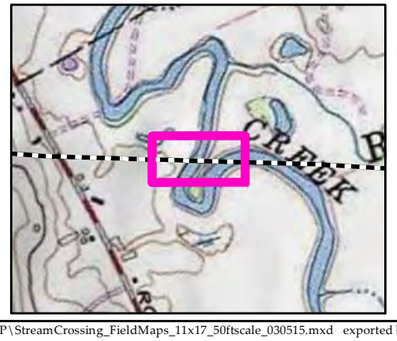
Unnamed Trib to Otter Creek

LLN:

LLN:
373.01

Sources: Background imagery provided by VCGI (2007-2013); Provided by VCGI: Roads and Railroads by VTrans (2010); Streams & Waterbodies by VHD (2010), VSWI Wetlands by ANR (2010),Town Boundaries by VCGI (2012); Provided by TRC: Parcel Boundaries (2009-2013), Contours (2014), Proposed Project Alignment (2015), Road and Railroad ROW (2014), 100-year flood & Floodway by FEMA; Stream Delineations by TRC & VHB (2014); Proposed Crossing Method by VHB (2015); Fluvial Erosion Hazard (FEH) areas by ANR (2014); River Corridors and Refined River Corridor by VHB (2015).

50 25 0 50
Feet



- Mile Posts
- Sheet Outline
- Road and Railroad ROW (TRC)

NECPL Proposed Overland Alignment (TRC)
- HDD
- Jack and Bore
- Terrestrial Cable
- Terrestrial Cable - Bridge Attachment
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- 10' Contour (TRC)
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NECPL Project
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Grand Isle, Rutland & Windsor Counties, VT
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LLN: 394.00

LLN: 394.00

LLN: 388.00

LLN: 392.00

LLN: 398.00

LLN: 398.00

610

600

620

US-7

CLARENDON (CL)

T-CL-AS-6(P)

T-CL-S6(P)

Stream Crossing
Stream ID: T-CL-S6
OHW (ft): 75
Drainage Area (sq. mi): 36.4

HDD Length: 1074ft

128.1

Cold River

Sources: Background imagery provided by VCGI (2007-2013); Provided by VCGI: Roads and Railroads by VTrans (2010); Streams & Waterbodies by VHD (2010), VSWI Wetlands by ANR (2010),Town Boundaries by VCGI (2012); Provided by TRC: Parcel Boundaries (2009-2013), Contours (2014), Proposed Project Alignment (2015), Road and Railroad ROW (2014), 100-year flood & Floodway by FEMA; Stream Delineations by TRC & VHB (2014); Proposed Crossing Method by VHB (2015); Fluvial Erosion Hazard (FEH) areas by ANR (2014); River Corridors and Refined River Corridor by VHB (2015).

50 25 0 50 Feet

vhb

- Mile Posts
- Sheet Outline
- Road and Railroad ROW (TRC)

NECPL Proposed Overland Alignment (TRC)
- HDD
- Jack and Bore
- Terrestrial Cable
- Terrestrial Cable - Bridge Attachment
- Terrestrial Cable - Duct Bank

Proposed Crossing Method (VHB)
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- Floodway
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- 10' Contour (TRC)
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NECPL Project
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Grand Isle, Rutland & Windsor Counties, VT
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T-CL-AW-13

LLN:
394.00

610

T-CL-W13
NORTH

Culvert ID: 100056
Material: CMP
Diameter (in.): 48
Length (ft.): 145
Condition: Good

610

CLARENDON
(CL)

US-7

HDD Length: 901ft

US-7

LLN:
388.00

128.3

Stream Crossing
Stream ID: T-CL-S8
OHW (ft): 3
Drainage Area (sq. mi): 0.11

600

600

LLN:
398.00

LLN:
399.00

LLN:
400.00

LLN:
401.00

LLN:
402.00

590

T-CL-W13
NORTH

T-CL-S8(P)

Sources: Background imagery provided by VCGI (2007-2013); Provided by VCGI: Roads and Railroads by VTrans (2010); Streams & Waterbodies by VHD (2010), VSWI Wetlands by ANR (2010),Town Boundaries by VCGI (2012); Provided by TRC: Parcel Boundaries (2009-2013), Contours (2014), Proposed Project Alignment (2015), Road and Railroad ROW (2014), 100-year flood & Floodway by FEMA; Stream Delineations by TRC & VHB (2014); Proposed Crossing Method by VHB (2015); Fluvial Erosion Hazard (FEH) areas by ANR (2014); River Corridors and Refined River Corridor by VHB (2015).

50 25 0 50

Feet

vhb

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- Sheet Outline
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- Roads (VTrans)
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- 10' Contour (TRC)
- 2' Contour (TRC)

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Grand Isle, Rutland & Windsor Counties, VT
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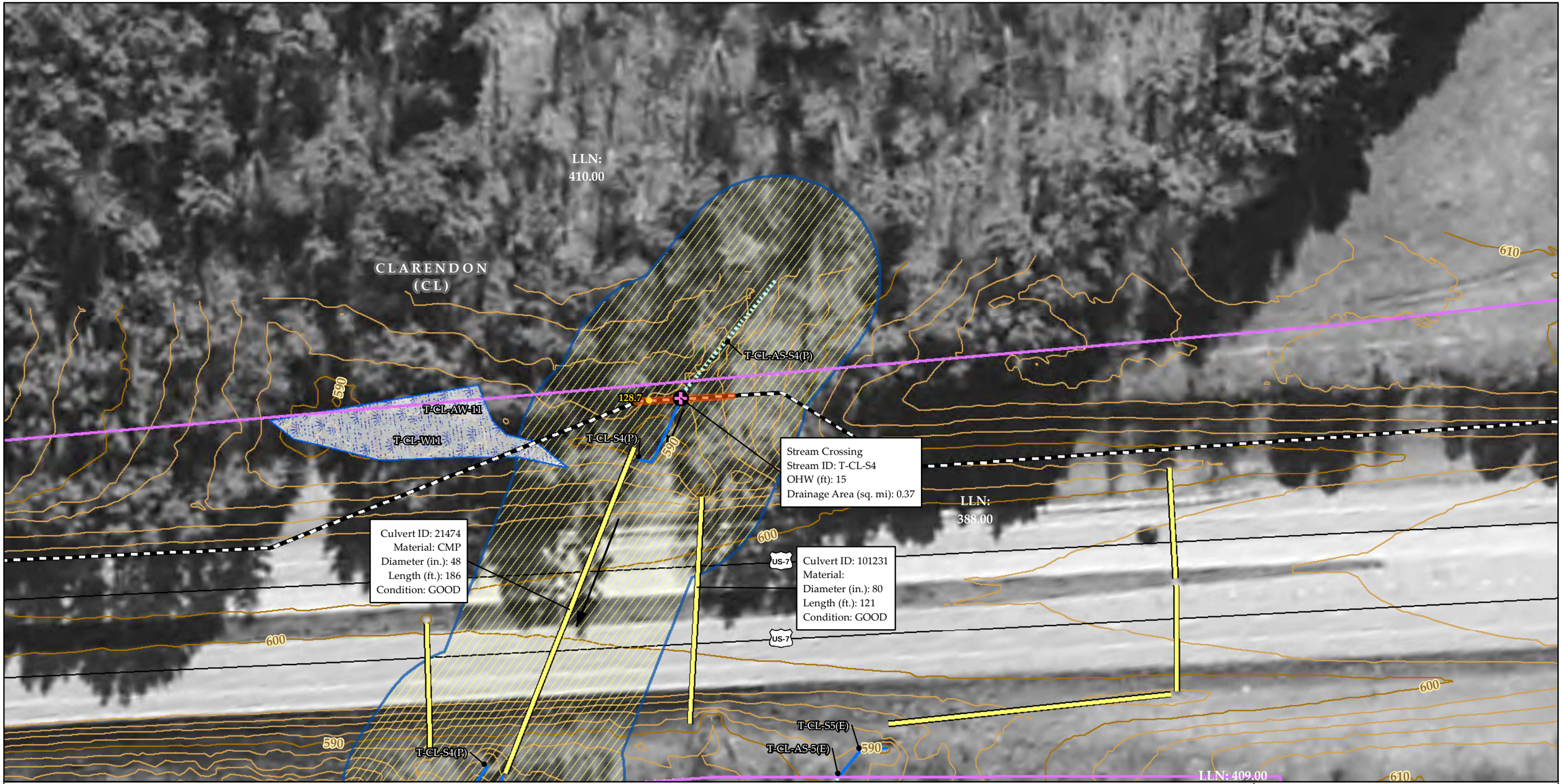

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50 25 0 50

Feet

- Mile Posts
- Sheet Outline
- Road and Railroad ROW (TRC)

NECPL Proposed Overland Alignment (TRC)

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Proposed Crossing Method (VHB)

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- Railroads (VTrans)
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NECPL Project
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Grand Isle, Rutland & Windsor Counties, VT
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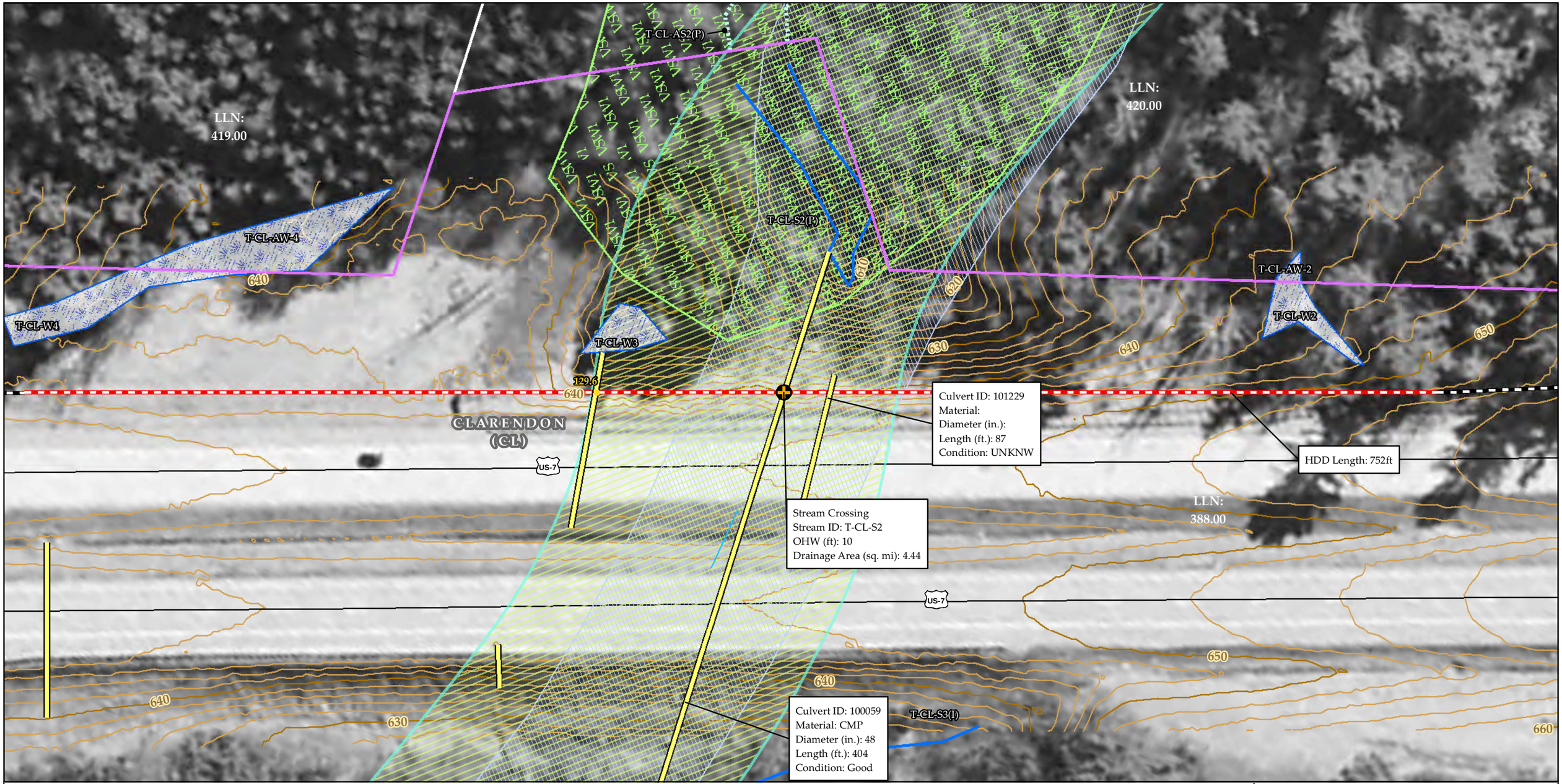

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50 25 0 50 Feet

- Mile Posts
- Sheet Outline
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NECPL Proposed Overland Alignment (TRC)

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- Railroads (VTrans)
- 10' Contour (TRC)
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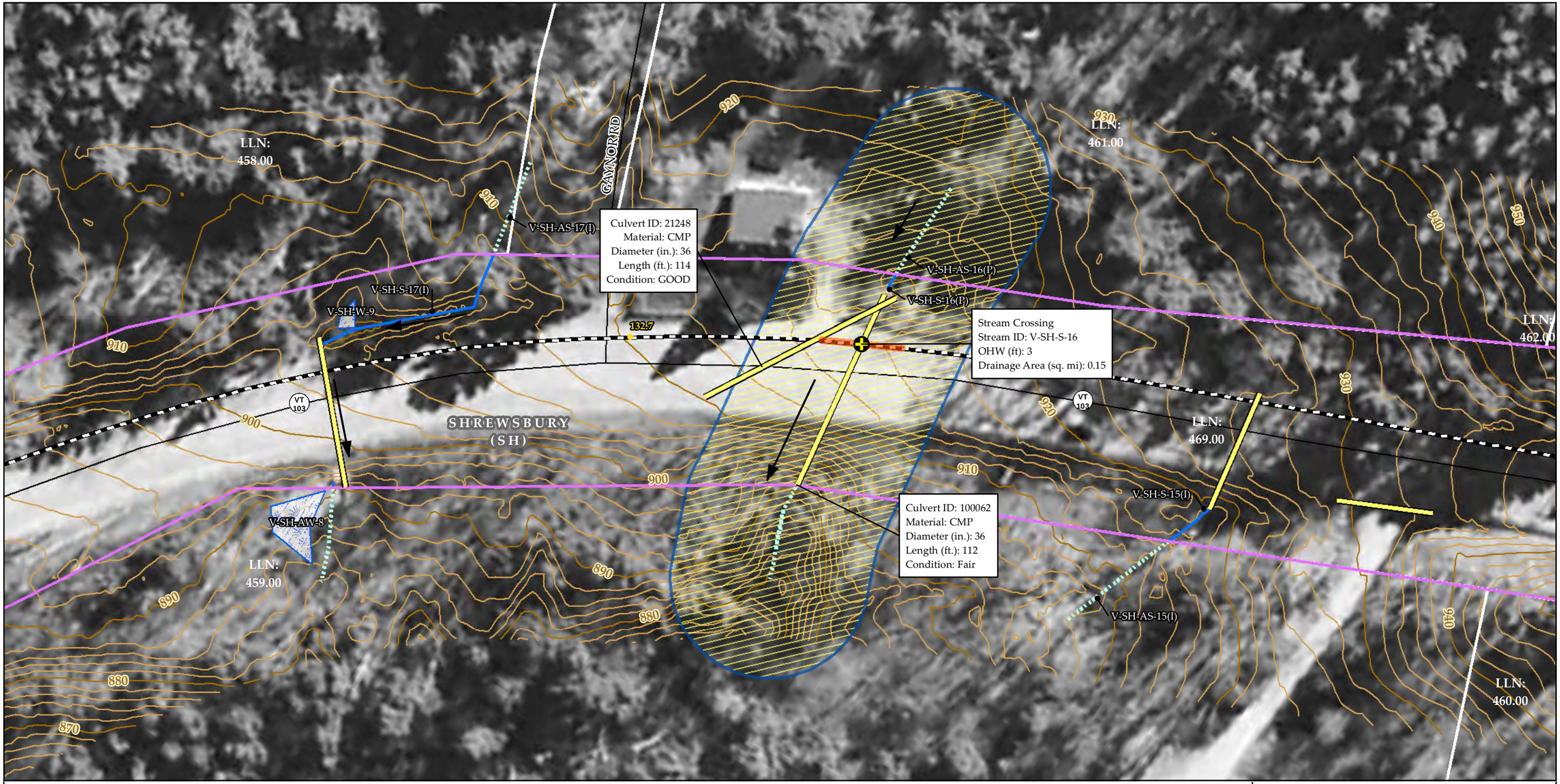

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50 25 0 50
Feet

- Mile Posts
- Sheet Outline
- Road and Railroad ROW (TRC)

NECPL Proposed Overland Alignment (TRC)
- HDD
- Jack and Bore
- Terrestrial Cable
- Terrestrial Cable - Bridge Attachment
- Terrestrial Cable - Duct Bank

Proposed Crossing Method (VHB)
- Aerial
- At Culvert
- Duct Bank
- HDD
- OTE
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- Culverts (TRC/VHB)
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- Railroads (VTrans)
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- 2' Contour (TRC)

NECPL Project
Overland Component
Grand Isle, Rutland & Windsor Counties, VT
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\\VTNFDATA\projects\57666.00 NE Clean Power Link\GIS\Project\SAP\StreamCrossing_FieldMaps_11x17_50ftscale_030515.mxd exported by:acoplin On 4/29/2015

LLN:
470.00

LLN:
468.00

V-SH-AS-14(P)

V-SH-S-13(E)

Stream Crossing
Stream ID: V-SH-S-14
OHW (ft): 25
Drainage Area (sq. mi): 1.26

133.3

133.4

SHREWSBURY
(S H)

VT
103

Culvert ID: 100026
Material:
Diameter (in.):
Length (ft.): 227
Condition: GOOD

LLN:
469.00

LLN:
473.00

LLN:
520.00

V-SH-S-14(P)

V-SH-AW-1a

1010 1000 990 980 970 960 950 940 930 920

Sources: Background imagery provided by VCGI (2007-2013); Provided by VCGI: Roads and Railroads by VTrans (2010); Streams & Waterbodies by VHD (2010), VSWI Wetlands by ANR (2010),Town Boundaries by VCGI (2012); Provided by TRC: Parcel Boundaries (2009-2013), Contours (2014), Proposed Project Alignment (2015), Road and Railroad ROW (2014), 100-year flood & Floodway by FEMA; Stream Delineations by TRC & VHB (2014); Proposed Crossing Method by VHB (2015); Fluvial Erosion Hazard (FEH) areas by ANR (2014); River Corridors and Refined River Corridor by VHB (2015).

50 25 0 50
Feet

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SHREWSBURY
(SH)

LLN:
491.00

Unnamed Trib to Mill River

960

980

990

Stream Crossing
Stream ID: T-SH-S2
OHW (ft): 25
Drainage Area (sq. mi): 2.32

T-SH-S2(P)

HDD Length: 502ft

134.4

Green Mountain Railroad

930

Culvert ID: 3
Material: Stone
Diameter (in.): 168
Length (ft.): 78
Condition: Excel

LLN:
520.00

970

970

134.3

T-SH-AW1

960

LLN:
487.00

T-SH-AS-2(P)

970

960

LLN:
488.00

980

LLN:
486.00

960

950

Sources: Background imagery provided by VCGI (2007-2013); Provided by VCGI: Roads and Railroads by VTrans (2010); Streams & Waterbodies by VHD (2010), VSWI Wetlands by ANR (2010),Town Boundaries by VCGI (2012); Provided by TRC: Parcel Boundaries (2009-2013), Contours (2014), Proposed Project Alignment (2015), Road and Railroad ROW (2014), 100-year flood & Floodway by FEMA; Stream Delineations by TRC & VHB (2014); Proposed Crossing Method by VHB (2015); Fluvial Erosion Hazard (FEH) areas by ANR (2014); River Corridors and Refined River Corridor by VHB (2015).

50 25 0 50 Feet

vhb

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- Railroads (VTrans)
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NECPL Project
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Stream Crossing
Stream ID: T-SH-S3
OHW (ft): 20
Drainage Area (sq. mi): 2.45

Culvert ID: 19
Material: Stone
Diameter (in.): 168
Length (ft.): 95
Condition: Good

LLN: 500.00
LLN: 501.00
LLN: 502.00
LLN: 520.00
LLN: 499.00

Unnamed Trib to Mill River
TOWN HILL RD
Green Mountain Railroad

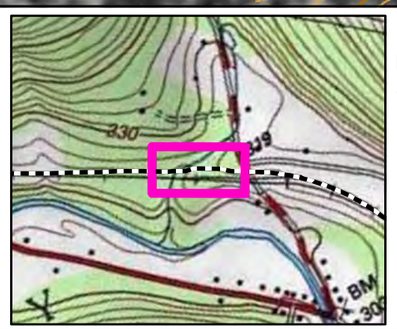
T-SH-AW6
T-SH-W6
T-SH-S3(P)
T-SH-AS-3(P)
T-SH-W5

135.5
135.6

1060
1050
1040
1030
1020
1010
1000

Sources: Background imagery provided by VCGI (2007-2013); Provided by VCGI: Roads and Railroads by VTrans (2010); Streams & Waterbodies by VHD (2010), VSWI Wetlands by ANR (2010),Town Boundaries by VCGI (2012); Provided by TRC: Parcel Boundaries (2009-2013), Contours (2014), Proposed Project Alignment (2015), Road and Railroad ROW (2014), 100-year flood & Floodway by FEMA; Stream Delineations by TRC & VHB (2014); Proposed Crossing Method by VHB (2015); Fluvial Erosion Hazard (FEH) areas by ANR (2014); River Corridors and Refined River Corridor by VHB (2015).

50 25 0 50
Feet



- Mile Posts
- Sheet Outline
- Road and Railroad ROW (TRC)

NECPL Proposed Overland Alignment (TRC)
- HDD
- Jack and Bore
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- Terrestrial Cable - Bridge Attachment
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- Floodway
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- Town Boundary (VCGI)
- Parcel Boundary (TRC)
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- Railroads (VTrans)
- 10' Contour (TRC)
- 2' Contour (TRC)

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LLN:
514.00

Stream Crossing
Stream ID: T-SH-S7
OHW (ft): 3
Drainage Area (sq. mi): 0.08

T-SH-AW10

SHREWSBURY
(SH)

T-SH-AW9

T-SH-W9

T-SH-AS-6(I)

T-SH-S6(I)

T-SH-W10

136.1

T-SH-S7(P)

T-SH-W10

LLN:
520.00

Green Mountain Railroad

Culvert ID: 25
Material: Stone
Diameter (in.): 36
Length (ft.): 66
Condition: Unkwn

T-SH-W11

T-SH-AW11

LLN:
507.00

T-SH-AW11

T-SH-AW11

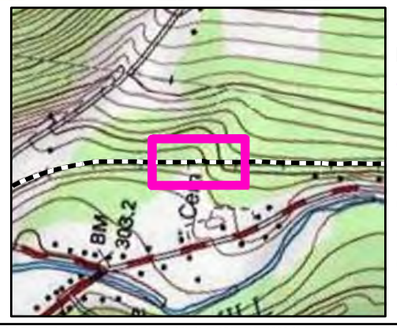
LLN:
508.00

1060 1050 1040 1030 1070 1080 1090 1100

Sources: Background imagery provided by VCGI (2007-2013); Provided by VCGI: Roads and Railroads by VTrans (2010); Streams & Waterbodies by VHD (2010), VSWI Wetlands by ANR (2010),Town Boundaries by VCGI (2012); Provided by TRC: Parcel Boundaries (2009-2013), Contours (2014), Proposed Project Alignment (2015), Road and Railroad ROW (2014), 100-year flood & Floodway by FEMA; Stream Delineations by TRC & VHB (2014); Proposed Crossing Method by VHB (2015); Fluvial Erosion Hazard (FEH) areas by ANR (2014); River Corridors and Refined River Corridor by VHB (2015).

50 25 0 50
Feet

vhb



- Mile Posts
- Sheet Outline
- Road and Railroad ROW (TRC)

NECPL Proposed Overland Alignment (TRC)
- HDD
- Jack and Bore
- Terrestrial Cable
- Terrestrial Cable - Bridge Attachment
- Terrestrial Cable - Duct Bank

Proposed Crossing Method (VHB)
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- Unnamed VHD Stream
- Waterbody (VHD)

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- Floodway
- FEH (ANR)
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- Town Boundary (VCGI)
- Parcel Boundary (TRC)
- Roads (VTrans)
- Railroads (VTrans)
- 10' Contour (TRC)
- 2' Contour (TRC)

NECPL Project
Overland Component
Grand Isle, Rutland & Windsor Counties, VT
Perennial Stream Crossings Maps

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March 6, 2015
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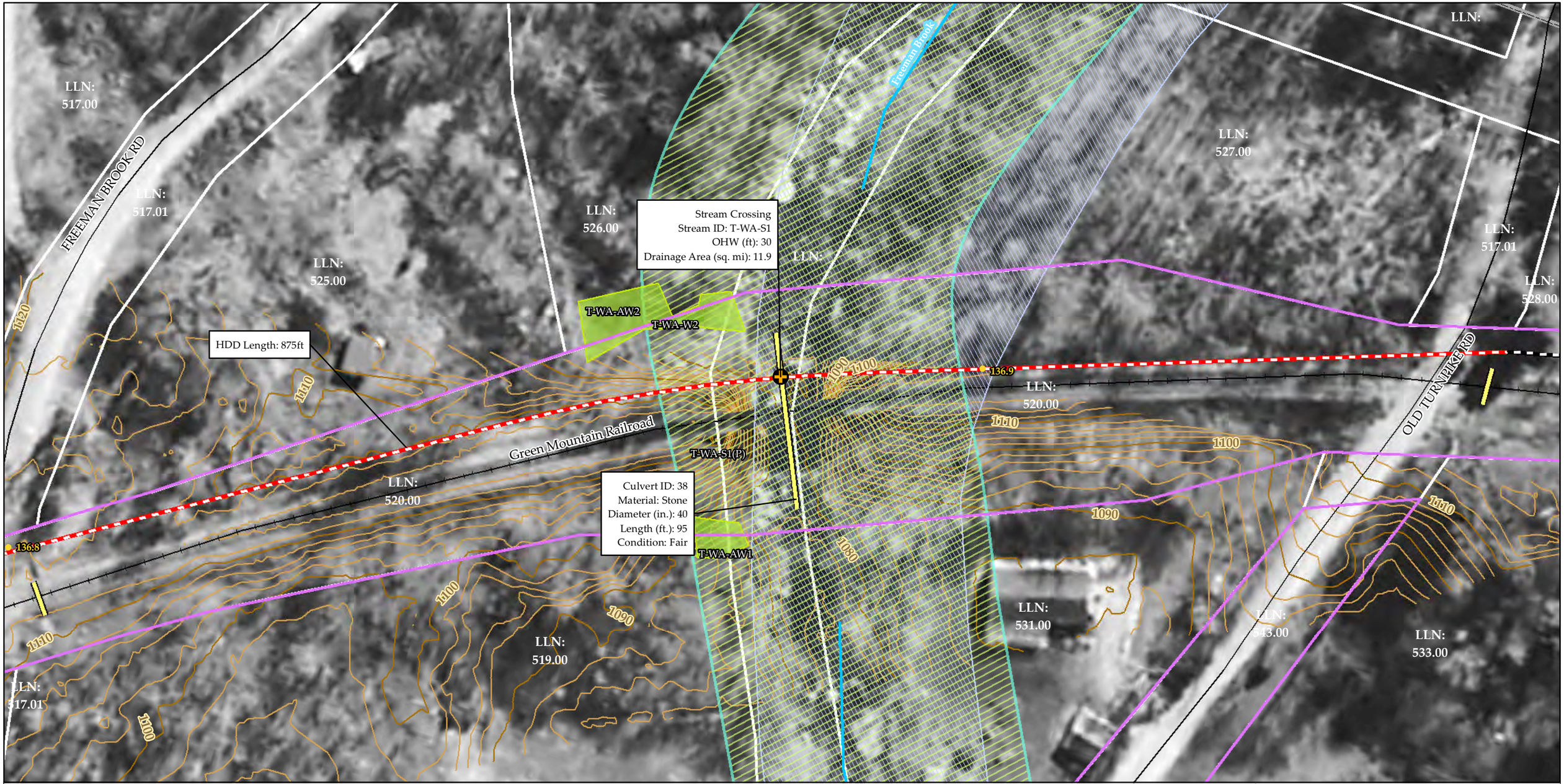
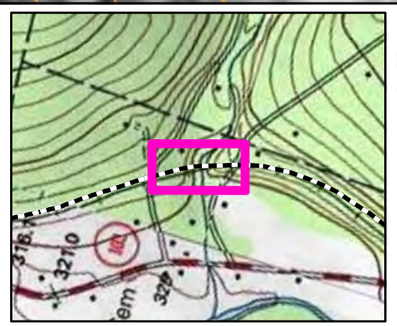
\\VTNFDATA\projects\57666.00 NE Clean Power Link\GIS\Project\SAP\StreamCrossing_FieldMaps_11x17_50ftscale_030515.mxd exported by:acoplin On 4/29/2015



Sources: Background imagery provided by VCGI (2007-2013); Provided by VCGI: Roads and Railroads by VTrans (2010); Streams & Waterbodies by VHD (2010), VSWI Wetlands by ANR (2010),Town Boundaries by VCGI (2012); Provided by TRC: Parcel Boundaries (2009-2013), Contours (2014), Proposed Project Alignment (2015), Road and Railroad ROW (2014), 100-year flood & Floodway by FEMA; Stream Delineations by TRC & VHB (2014); Proposed Crossing Method by VHB (2015); Fluvial Erosion Hazard (FEH) areas by ANR (2014); River Corridors and Refined River Corridor by VHB (2015).

50 25 0 50 Feet



- Mile Posts
- Sheet Outline
- Road and Railroad ROW (TRC)

NECPL Proposed Overland Alignment (TRC)
- HDD
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- Parcel Boundary (TRC)
- Roads (VTrans)
- Railroads (VTrans)
- 10' Contour (TRC)
- 2' Contour (TRC)

NECPL Project
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Grand Isle, Rutland & Windsor Counties, VT
Perennial Stream Crossings Maps

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V-WA-AS-106(P)

V-WA-S-106(P)

Culvert ID: 100067
Material: CMP
Diameter (in.): 30
Length (ft.): 52
Condition: Fair

137.8

Culvert ID: 101218
Material:
Diameter (in.):
Length (ft.): 78
Condition: UNKNW

V-WA-AW-106

Stream Crossing
Stream ID: V-WA-S-106
OHW (ft): 3.5
Drainage Area (sq. mi): 0.13

V-WA-AS-103(P)

LLN:
542.00

LLN:
543.00

LLN:
544.00

LLN:
545.00

LLN:
546.00

LLN:

WALLINGFORD
(WA)

VT
103

Unnamed Trib to Mill River

Mill River

1190 1180 1170 1160 1150 1140 1130 1120 1110

Sources: Background imagery provided by VCGI (2007-2013); Provided by VCGI: Roads and Railroads by VTrans (2010); Streams & Waterbodies by VHD (2010), VSWI Wetlands by ANR (2010),Town Boundaries by VCGI (2012); Provided by TRC: Parcel Boundaries (2009-2013), Contours (2014), Proposed Project Alignment (2015), Road and Railroad ROW (2014), 100-year flood & Floodway by FEMA; Stream Delineations by TRC & VHB (2014); Proposed Crossing Method by VHB (2015); Fluvial Erosion Hazard (FEH) areas by ANR (2014); River Corridors and Refined River Corridor by VHB (2015).

50 25 0 50
Feet

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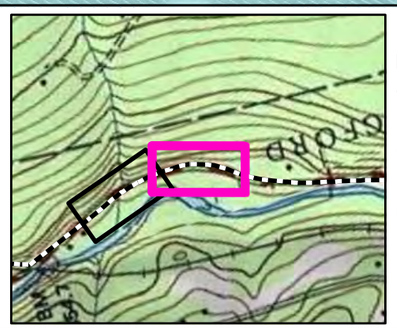
Stream Crossing
Stream ID: V-WA-S-105
OHW (ft): 3
Drainage Area (sq. mi): 0.03

Culvert ID: 21188
Material: CMP
Diameter (in.): 30
Length (ft.): 57
Condition: GOOD

V-WA-S-105(P)
V-WA-AS-105(P)
V-WA-AS-103(P)
V-WA-S-103(P)
V-WA-W-105
V-WA-AW-105
V-WA-AW-104
V-WA-AS-104(I)
V-WA-W-103
V-WA-AW-103
137.9
138
WALLINGFORD (WA)
LLN: 545.00
LLN: 549.00
LLN: 548.00
LLN: 543.00
LLN: 546.00
LLN: 547.00
LLN:
Mill River
1160
1150
1140
1130
1120
VT 103

Sources: Background imagery provided by VCGI (2007-2013); Provided by VCGI: Roads and Railroads by VTrans (2010); Streams & Waterbodies by VHD (2010), VSWI Wetlands by ANR (2010),Town Boundaries by VCGI (2012); Provided by TRC: Parcel Boundaries (2009-2013), Contours (2014), Proposed Project Alignment (2015), Road and Railroad ROW (2014), 100-year flood & Floodway by FEMA; Stream Delineations by TRC & VHB (2014); Proposed Crossing Method by VHB (2015); Fluvial Erosion Hazard (FEH) areas by ANR (2014); River Corridors and Refined River Corridor by VHB (2015).

50 25 0 50 Feet



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- 10' Contour (TRC)
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Grand Isle, Rutland & Windsor Counties, VT
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Updated: April 29, 2015

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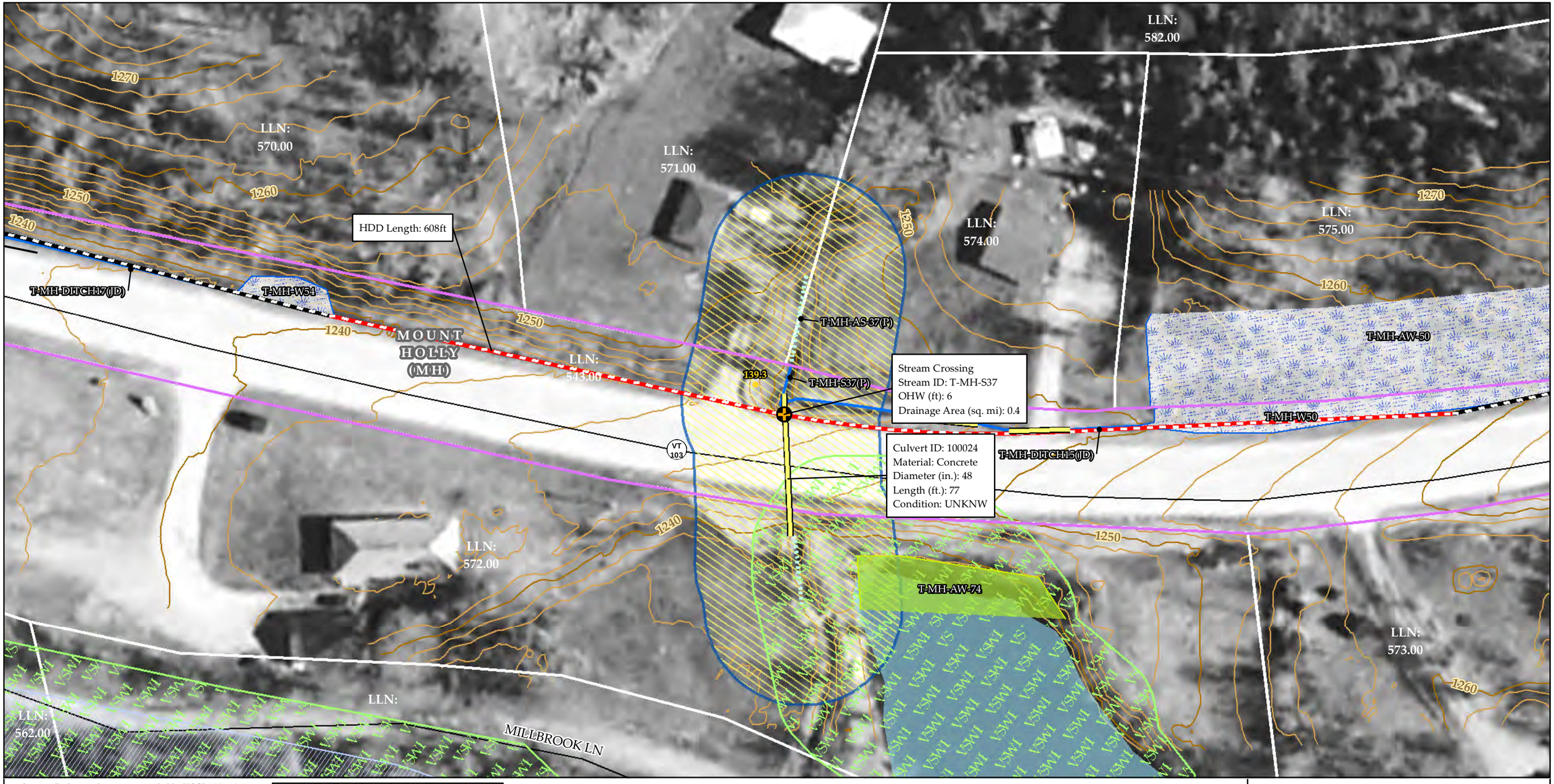
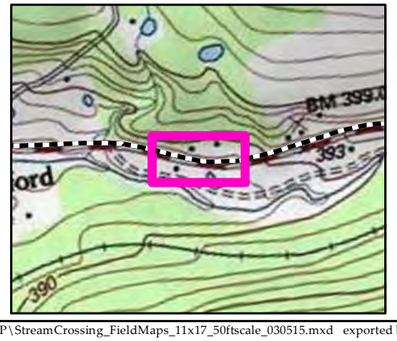


Sources: Background imagery provided by VCGI (2007-2013); Provided by VCGI: Roads and Railroads by VTrans (2010); Streams & Waterbodies by VHD (2010), VSWI Wetlands by ANR (2010),Town Boundaries by VCGI (2012); Provided by TRC: Parcel Boundaries (2009-2013), Contours (2014), Proposed Project Alignment (2015), Road and Railroad ROW (2014), 100-year flood & Floodway by FEMA; Stream Delineations by TRC & VHB (2014); Proposed Crossing Method by VHB (2015); Fluvial Erosion Hazard (FEH) areas by ANR (2014); River Corridors and Refined River Corridor by VHB (2015).

50 25 0 50
Feet



- Mile Posts
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- Road and Railroad ROW (TRC)

NECPL Proposed Overland Alignment (TRC)
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- Floodway
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- Railroads (VTrans)
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- 2' Contour (TRC)

NECPL Project
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Grand Isle, Rutland & Windsor Counties, VT
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Updated: April 29, 2015

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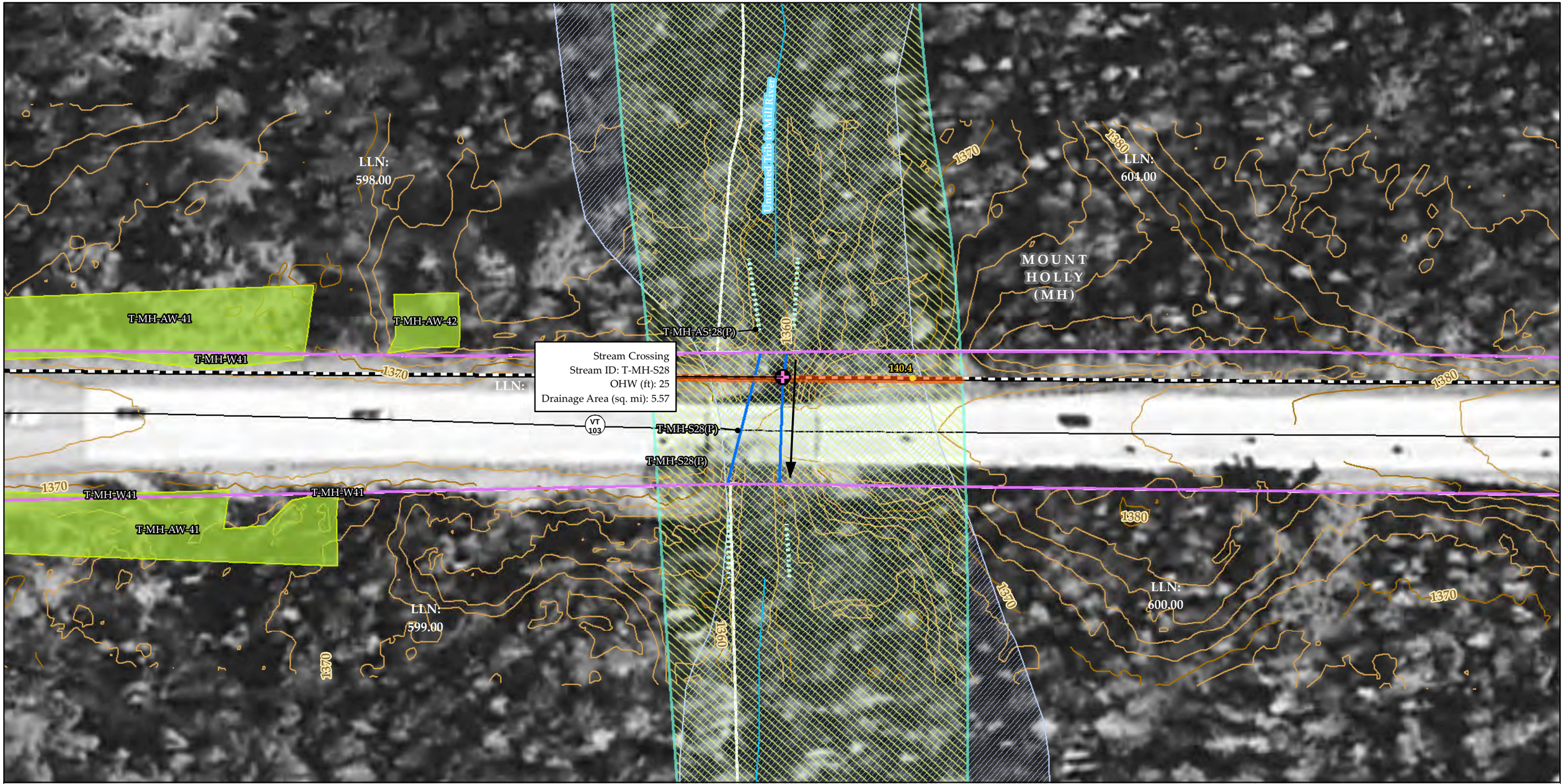
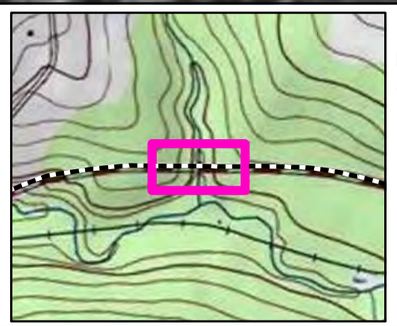


Sources: Background imagery provided by VCGI (2007-2013); Provided by VCGI: Roads and Railroads by VTrans (2010); Streams & Waterbodies by VHD (2010), VSWI Wetlands by ANR (2010),Town Boundaries by VCGI (2012); Provided by TRC: Parcel Boundaries (2009-2013), Contours (2014), Proposed Project Alignment (2015), Road and Railroad ROW (2014), 100-year flood & Floodway by FEMA; Stream Delineations by TRC & VHB (2014); Proposed Crossing Method by VHB (2015); Fluvial Erosion Hazard (FEH) areas by ANR (2014); River Corridors and Refined River Corridor by VHB (2015).

50 25 0 50 Feet



- Mile Posts
- Sheet Outline
- Road and Railroad ROW (TRC)

NECPL Proposed Overland Alignment (TRC)
- HDD
- Jack and Bore
- Terrestrial Cable
- Terrestrial Cable - Bridge Attachment
- Terrestrial Cable - Duct Bank

Proposed Crossing Method (VHB)
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- 10' Contour (TRC)
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NECPL Project
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Grand Isle, Rutland & Windsor Counties, VT
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March 6, 2015

Updated: April 29, 2015

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Stream Crossing
Stream ID: T-MH-AS-23
OHW (ft): 4
Drainage Area (sq. mi): 0.16

Culvert ID: 20940
Material: CMP
Diameter (in.): 66
Length (ft.): 93
Condition: POOR

LLN: 617.00
LLN: 619.00
LLN: 620.00
LLN:
LLN: 614.01
LLN: 616.00
LLN: 621.00

T-MH-AW-27
T-MH-W27
T-MH-AW-26
T-MH-W26
T-MH-AW-70
T-MH-AS-23(P)

MOUNT HOLLY (MH)

VT 103

141.7
141.8

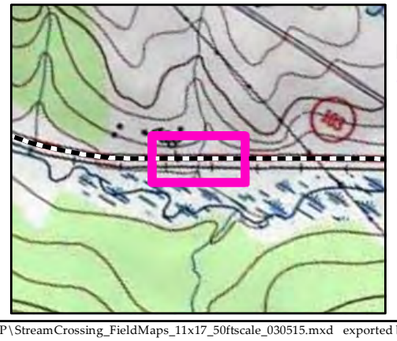
Green Mountain Railroad

Unnamed Trib to Mill River

1460
1450
1440
1430
1420

Sources: Background imagery provided by VCGI (2007-2013); Provided by VCGI: Roads and Railroads by VTrans (2010); Streams & Waterbodies by VHD (2010), VSWI Wetlands by ANR (2010),Town Boundaries by VCGI (2012); Provided by TRC: Parcel Boundaries (2009-2013), Contours (2014), Proposed Project Alignment (2015), Road and Railroad ROW (2014), 100-year flood & Floodway by FEMA; Stream Delineations by TRC & VHB (2014); Proposed Crossing Method by VHB (2015); Fluvial Erosion Hazard (FEH) areas by ANR (2014); River Corridors and Refined River Corridor by VHB (2015).

50 25 0 50
Feet



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NECPL Project
Overland Component
Grand Isle, Rutland & Windsor Counties, VT
Perennial Stream Crossings Maps

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March 6, 2015
Updated: April 29, 2015

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Stream Crossing
Stream ID: T-MH-AS-20
OHW (ft): 4
Drainage Area (sq. mi): 0.64

Culvert ID: 20955
Material: RCP
Diameter (in.): 60
Length (ft.): 122
Condition: GOOD

Unnamed Trib to Mill River

MOUNT HOLLY (MH)

T-MH-AW-20

T-MH-AS-20(P)

142.8

142.9

VT 103

LLN: 632.00

LLN: 636.00

LLN: 637.00

LLN: 638.00

LLN: 614.01

1480

1470

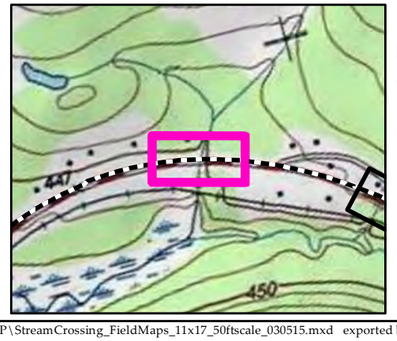
1460

1450

Sources: Background imagery provided by VCGI (2007-2013); Provided by VCGI: Roads and Railroads by VTrans (2010); Streams & Waterbodies by VHD (2010), VSWI Wetlands by ANR (2010),Town Boundaries by VCGI (2012); Provided by TRC: Parcel Boundaries (2009-2013), Contours (2014), Proposed Project Alignment (2015), Road and Railroad ROW (2014), 100-year flood & Floodway by FEMA; Stream Delineations by TRC & VHB (2014); Proposed Crossing Method by VHB (2015); Fluvial Erosion Hazard (FEH) areas by ANR (2014); River Corridors and Refined River Corridor by VHB (2015).

50 25 0 50

Feet



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NECPL Project
Overland Component
Grand Isle, Rutland & Windsor Counties, VT
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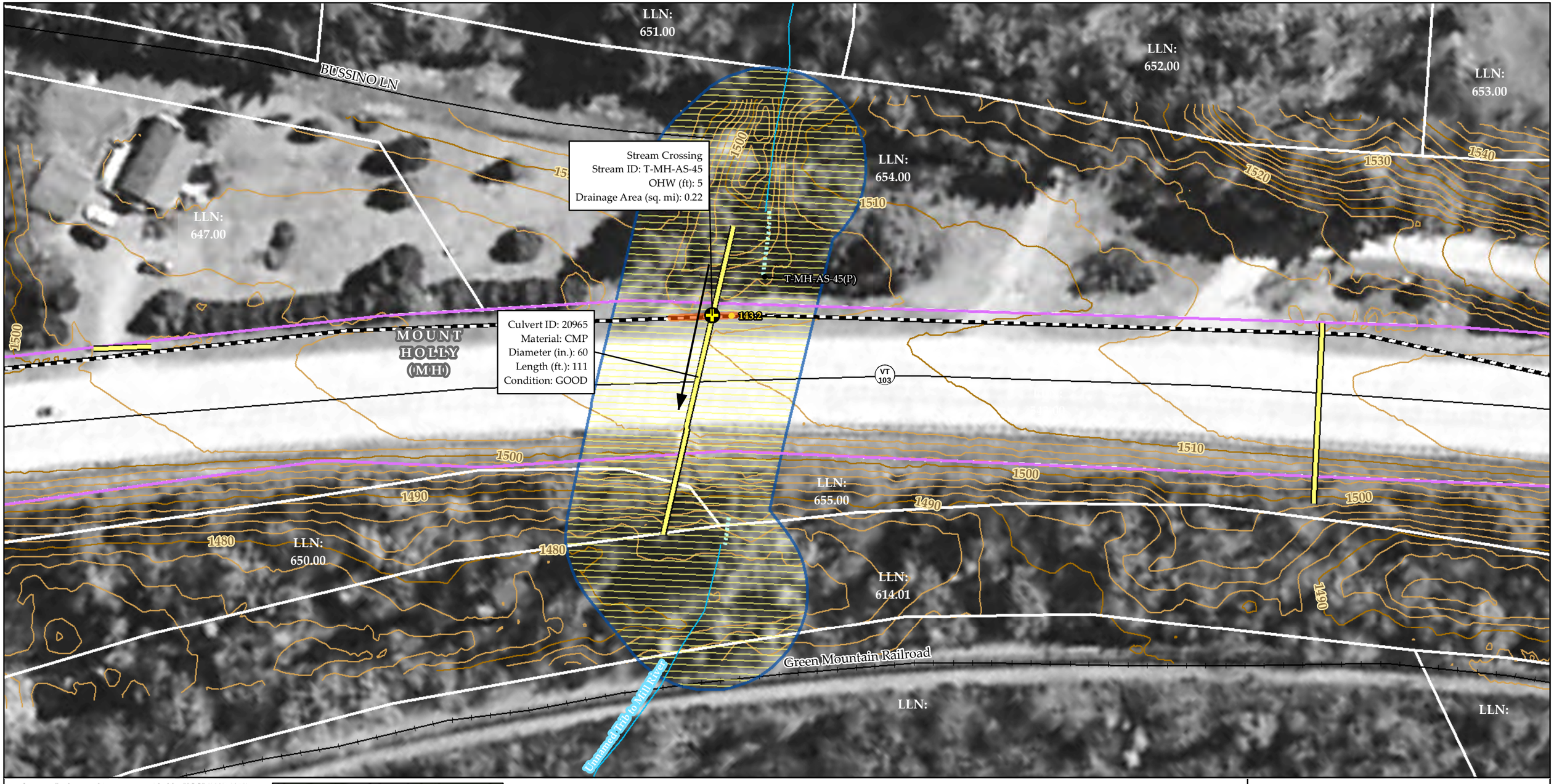

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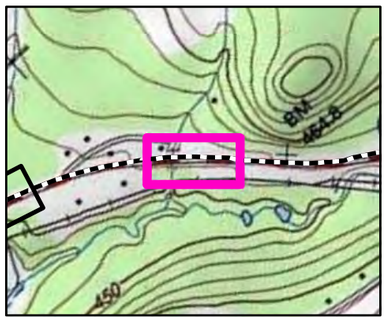
50 25 0 50 Feet



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NECPL Project
Overland Component
Grand Isle, Rutland & Windsor Counties, VT
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Unnamed Trib to Branch Brook

LLN: 692.00

LLN: 693.00

LLN:

LLN:

LLN:

SAWYER HILL RD

Culvert ID: 100102
Material: CMP
Diameter (in.): 12
Length (ft.): 67
Condition: Fair

MOUNT HOLLY (MH)

LLN: 694.00

LLN: 701.00

1420

1430

1400

1410

SAWYER HILL RD

543.00

144.8

144.9

Stream Crossing
Stream ID: T-MH-S14
OHW (ft): 12
Drainage Area (sq. mi): 2.1

VT 103

SUMMIT EXT

T-MH-AS-15(I)

T-MH-W7

T-MH-AW-7

T-MH-AW-7

Culvert ID: 101203
Material:
Diameter (in.): 120
Length (ft.): 99
Condition: UNKNW

T-MH-AS-14(P)

T-MH-S14(P)

T-MH-AW-6

LLN: 698.00

LLN: 689.00

LLN: 695.00

LLN: 697.00

LLN: 696.00

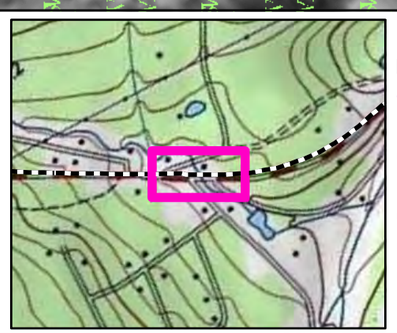
1390

HEALDVILLE RD

GREENSTAND RD

Sources: Background imagery provided by VCGI (2007-2013); Provided by VCGI: Roads and Railroads by VTrans (2010); Streams & Waterbodies by VHD (2010), VSWI Wetlands by ANR (2010),Town Boundaries by VCGI (2012); Provided by TRC: Parcel Boundaries (2009-2013), Contours (2014), Proposed Project Alignment (2015), Road and Railroad ROW (2014), 100-year flood & Floodway by FEMA; Stream Delineations by TRC & VHB (2014); Proposed Crossing Method by VHB (2015); Fluvial Erosion Hazard (FEH) areas by ANR (2014); River Corridors and Refined River Corridor by VHB (2015).

50 25 0 50 Feet



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NECPL Project
Overland Component
Grand Isle, Rutland & Windsor Counties, VT
Perennial Stream Crossings Maps

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Updated: April 29, 2015

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LLN: 706.00

LLN: 707.00

LLN: 706.00

LLN: 708.00

LLN: 709.00

MOUNT HOLLY (MH)

T-MH-AW-5

T-MH-AW-4

T-MH-S10(P)

T-MH-S10(P)

T-MH-W4

T-MH-AS-10(P)

T-MH-AS-10(P)

T-MH-AW-5

HDD Length: 1099ft

Stream Crossing
Stream ID: T-MH-S10
OHW (ft): 30
Drainage Area (sq. mi): 10.8

145.3

145.4

VT 103

GREENSTAND RD

STATION RD

LLN: 705.00

LLN: 710.00

1360

1350

1340

Branch Brook

Unnamed Trib to Branch Brook

Sources: Background imagery provided by VCGI (2007-2013); Provided by VCGI: Roads and Railroads by VTrans (2010); Streams & Waterbodies by VHD (2010), VSWI Wetlands by ANR (2010),Town Boundaries by VCGI (2012); Provided by TRC: Parcel Boundaries (2009-2013), Contours (2014), Proposed Project Alignment (2015), Road and Railroad ROW (2014), 100-year flood & Floodway by FEMA; Stream Delineations by TRC & VHB (2014); Proposed Crossing Method by VHB (2015); Fluvial Erosion Hazard (FEH) areas by ANR (2014); River Corridors and Refined River Corridor by VHB (2015).

50 25 0 50

Feet

- Mile Posts
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NECPL Project
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Grand Isle, Rutland & Windsor Counties, VT
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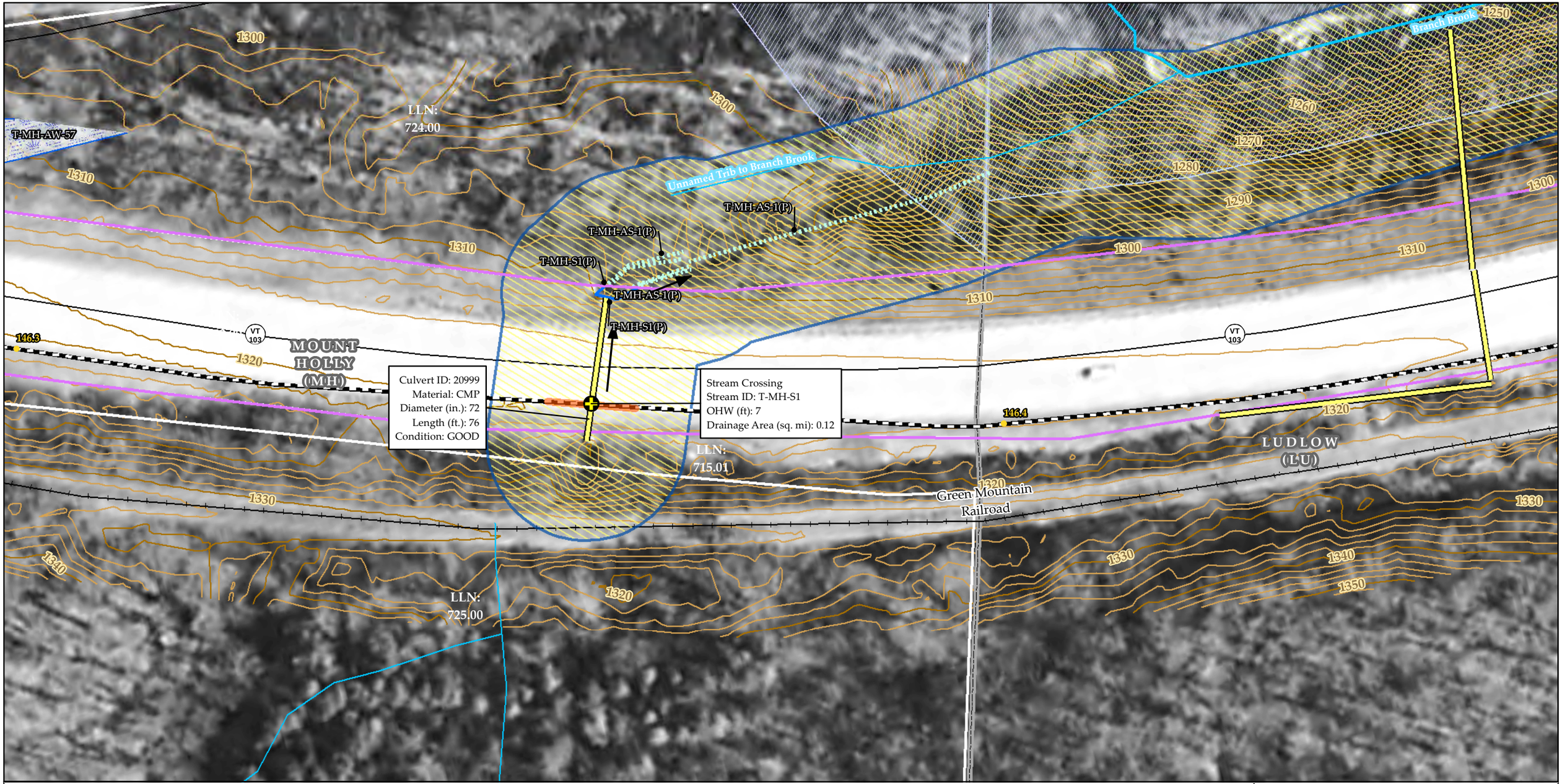

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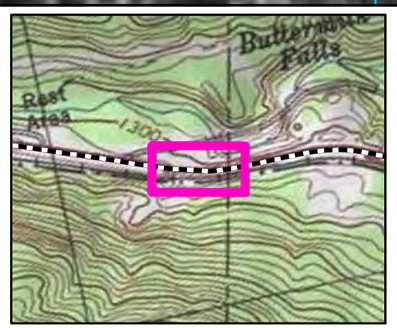
50 25 0 50

Feet



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NECPL Project
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Grand Isle, Rutland & Windsor Counties, VT
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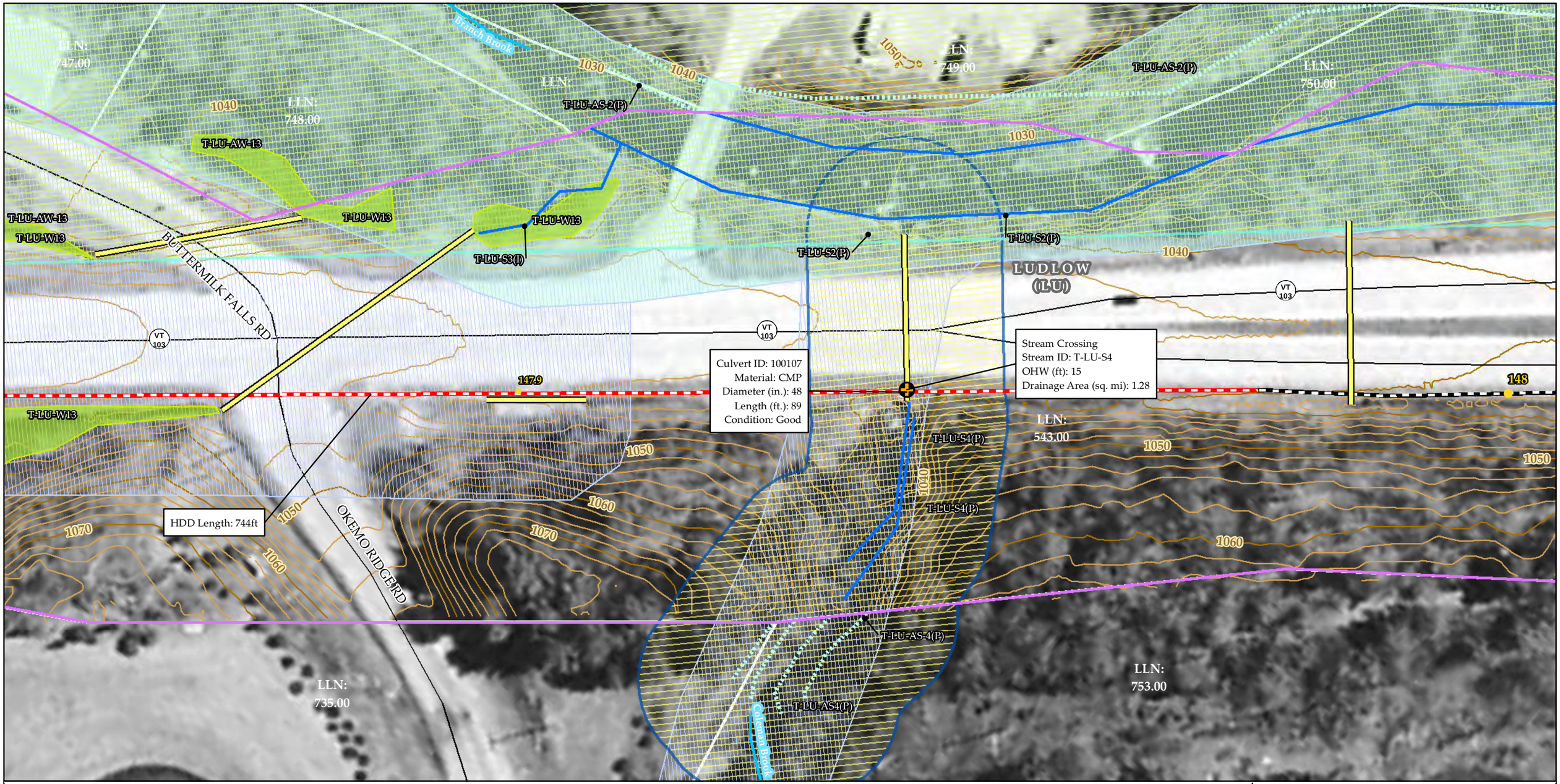

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50 25 0 50 Feet

vhb

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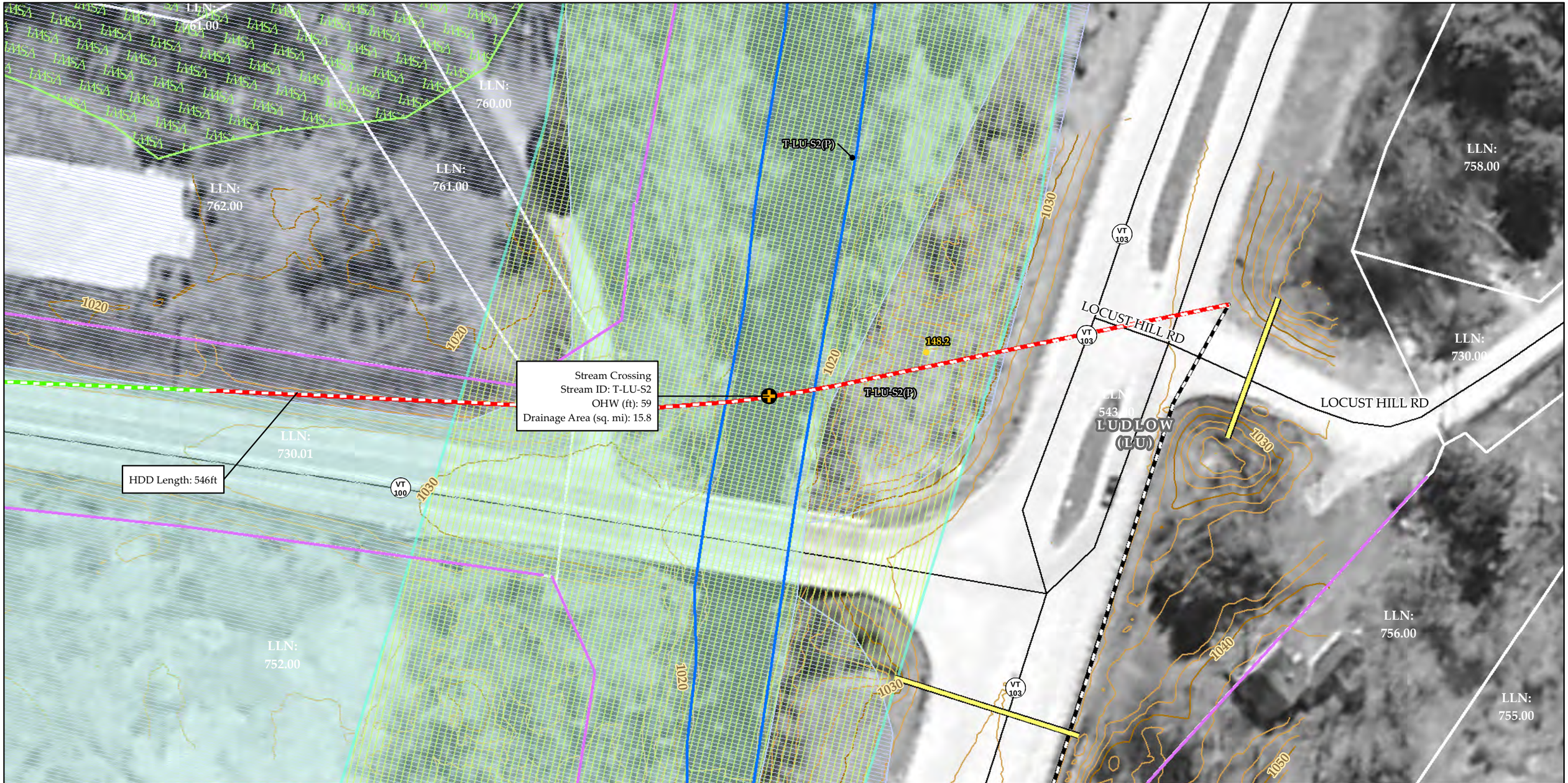

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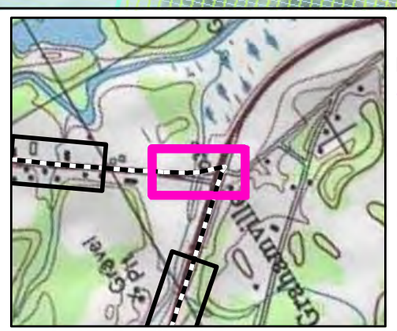

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Grand Isle, Rutland & Windsor Counties, VT
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March 6, 2015
Updated: April 29, 2015

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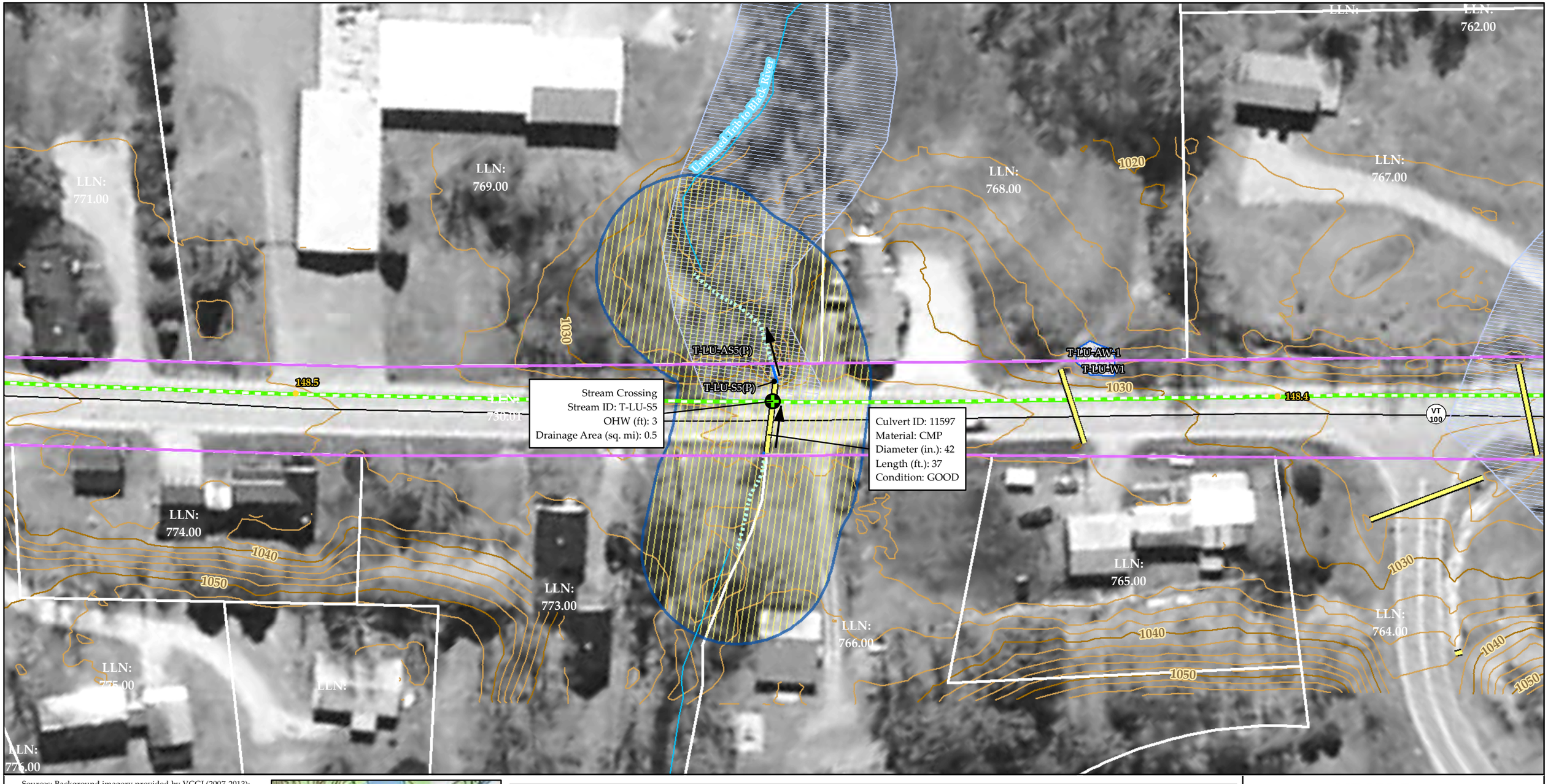
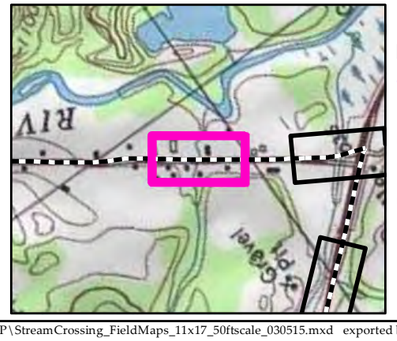


Sources: Background imagery provided by VCGI (2007-2013); Provided by VCGI: Roads and Railroads by VTrans (2010); Streams & Waterbodies by VHD (2010), VSWI Wetlands by ANR (2010),Town Boundaries by VCGI (2012); Provided by TRC: Parcel Boundaries (2009-2013), Contours (2014), Proposed Project Alignment (2015), Road and Railroad ROW (2014), 100-year flood & Floodway by FEMA; Stream Delineations by TRC & VHB (2014); Proposed Crossing Method by VHB (2015); Fluvial Erosion Hazard (FEH) areas by ANR (2014); River Corridors and Refined River Corridor by VHB (2015).

50 25 0 50

Feet



- Mile Posts
- Sheet Outline
- Road and Railroad ROW (TRC)

NECPL Proposed Overland Alignment (TRC)

- HDD
- Jack and Bore
- Terrestrial Cable
- Terrestrial Cable - Bridge Attachment
- Terrestrial Cable - Duct Bank

Proposed Crossing Method (VHB)

- Aerial
- At Culvert
- Duct Bank
- HDD
- OTE
- Over Culvert
- Refined River Corridor

- Culverts (TRC/VHB)
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- Floodway
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- River Corridor (VHB)
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- Parcel Boundary (TRC)
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- Railroads (VTrans)
- 10' Contour (TRC)
- 2' Contour (TRC)

NECPL Project
Overland Component
Grand Isle, Rutland & Windsor Counties, VT
Perennial Stream Crossings Maps

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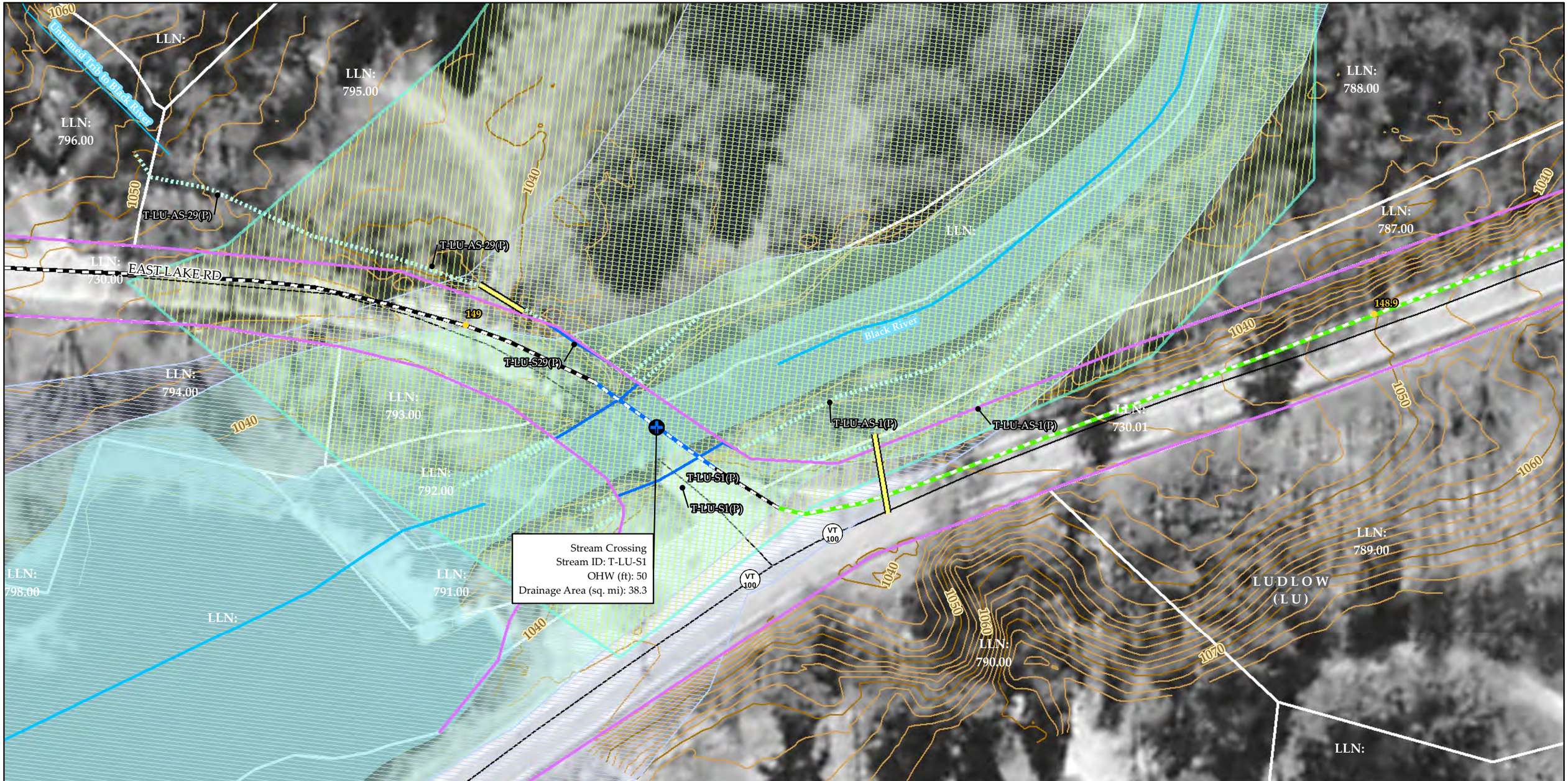

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50 25 0 50

Feet

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Culvert ID: 100122
Material: cmp
Diameter (in.): 84
Length (ft.): 72
Condition: UNKNW

T-LU-S20(P)
T-LU-AS-20(P)
T-LU-AS-20(P)
T-LU-AS-20(P)
T-LU-AS-20(P)
T-LU-AS-20(P)
T-LU-AS-21(P)
T-LU-AS-21(P)
T-LU-S21(P)

EAST LAKE RD
ELLISONS LAKE RD
EAST LAKE RD

LLN:
840.00
LLN:
730.00
LLN:
853.00
LLN:
852.00
LLN:
851.00
LLN:
850.00
LLN:
849.00
LLN:
848.00

LUDLOW
(LU)

150.4

Stream Crossing
Stream ID: T-LU-S21
OHW (ft): 2
Drainage Area (sq. mi): 0.07

Culvert ID: 100120
Material: cpp
Diameter (in.): 36
Length (ft.): 40
Condition: UNKNW

Unnamed Trib to Black River

1150 1140 1130 1120 1110 1100 1090 1080 1070 1060 1050

Sources: Background imagery provided by VCGI (2007-2013); Provided by VCGI: Roads and Railroads by VTrans (2010); Streams & Waterbodies by VHD (2010), VSWI Wetlands by ANR (2010),Town Boundaries by VCGI (2012); Provided by TRC: Parcel Boundaries (2009-2013), Contours (2014), Proposed Project Alignment (2015), Road and Railroad ROW (2014), 100-year flood & Floodway by FEMA; Stream Delineations by TRC & VHB (2014); Proposed Crossing Method by VHB (2015); Fluvial Erosion Hazard (FEH) areas by ANR (2014); River Corridors and Refined River Corridor by VHB (2015).

50 25 0 50
Feet

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Overland Component
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LLN:
857.00

LLN:
840.00

LLN:
730.00

LLN:
852.00

LLN:
856.00

LLN:
855.00

LLN:
854.00

LLN:
853.00

LLN:

LUDLOW
(LU)

EAST LAKE RD

EAST LAKE RD

ELLISONS LAKE RD

Unnamed Trib to Black River

T-LU-AS-20(P)

T-LU-AS-20(P)

T-LU-AS-20(P)

T-LU-AS-20(P)

T-LU-S20(P)

150.6

150.5

Stream Crossing
Stream ID: T-LU-S20
OHW (ft): 10
Drainage Area (sq. mi): 0.64

Culvert ID: 100122
Material: cmp
Diameter (in.): 84
Length (ft.): 72
Condition: UNKNW

Sources: Background imagery provided by VCGI (2007-2013); Provided by VCGI: Roads and Railroads by VTrans (2010); Streams & Waterbodies by VHD (2010), VSWI Wetlands by ANR (2010),Town Boundaries by VCGI (2012); Provided by TRC: Parcel Boundaries (2009-2013), Contours (2014), Proposed Project Alignment (2015), Road and Railroad ROW (2014), 100-year flood & Floodway by FEMA; Stream Delineations by TRC & VHB (2014); Proposed Crossing Method by VHB (2015); Fluvial Erosion Hazard (FEH) areas by ANR (2014); River Corridors and Refined River Corridor by VHB (2015).

50 25 0 50 Feet

vhb

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Grand Isle, Rutland & Windsor Counties, VT
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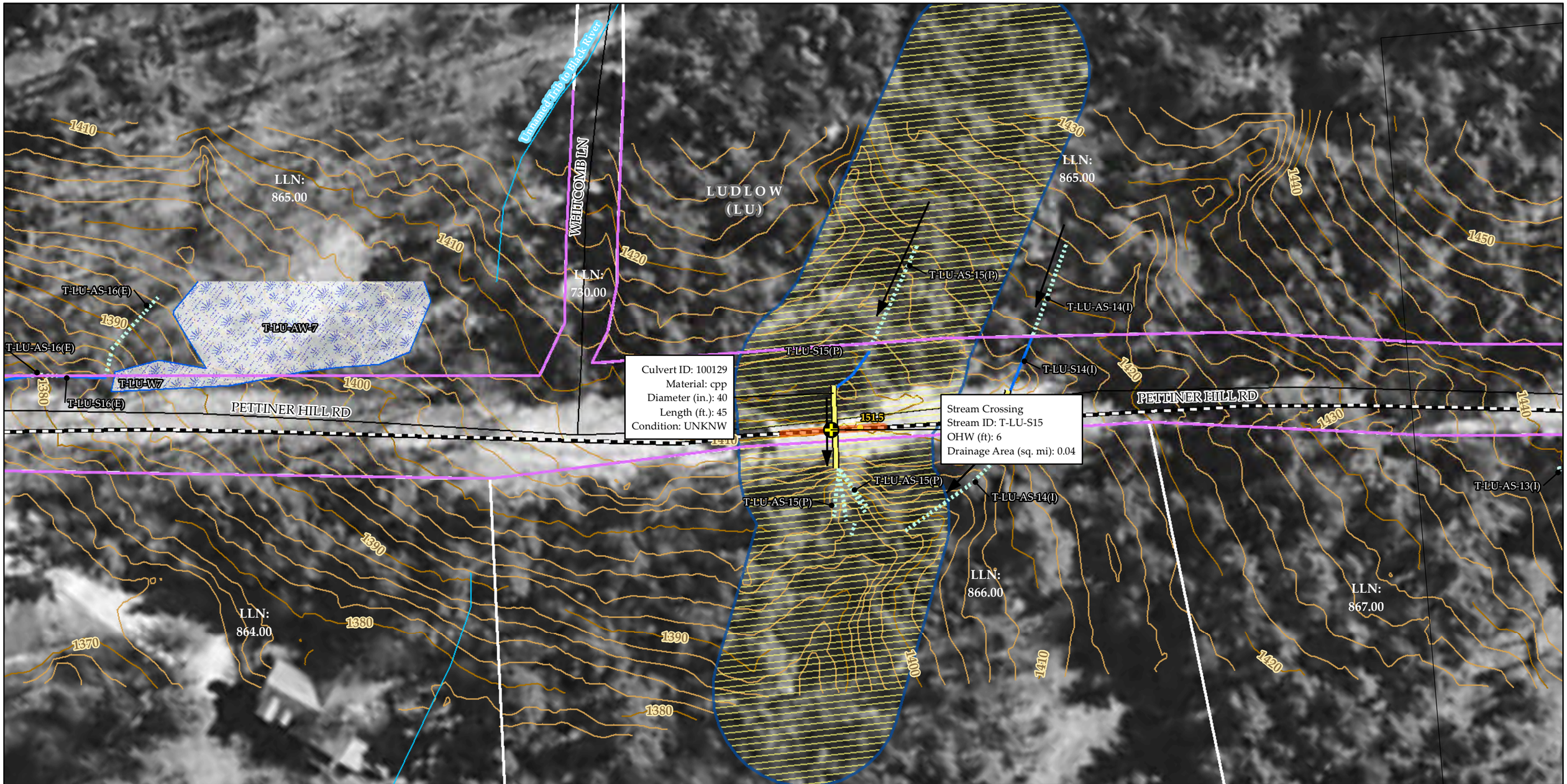

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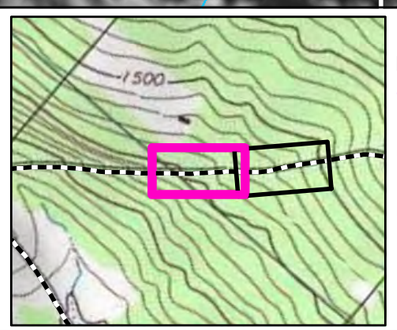
50 25 0 50

Feet



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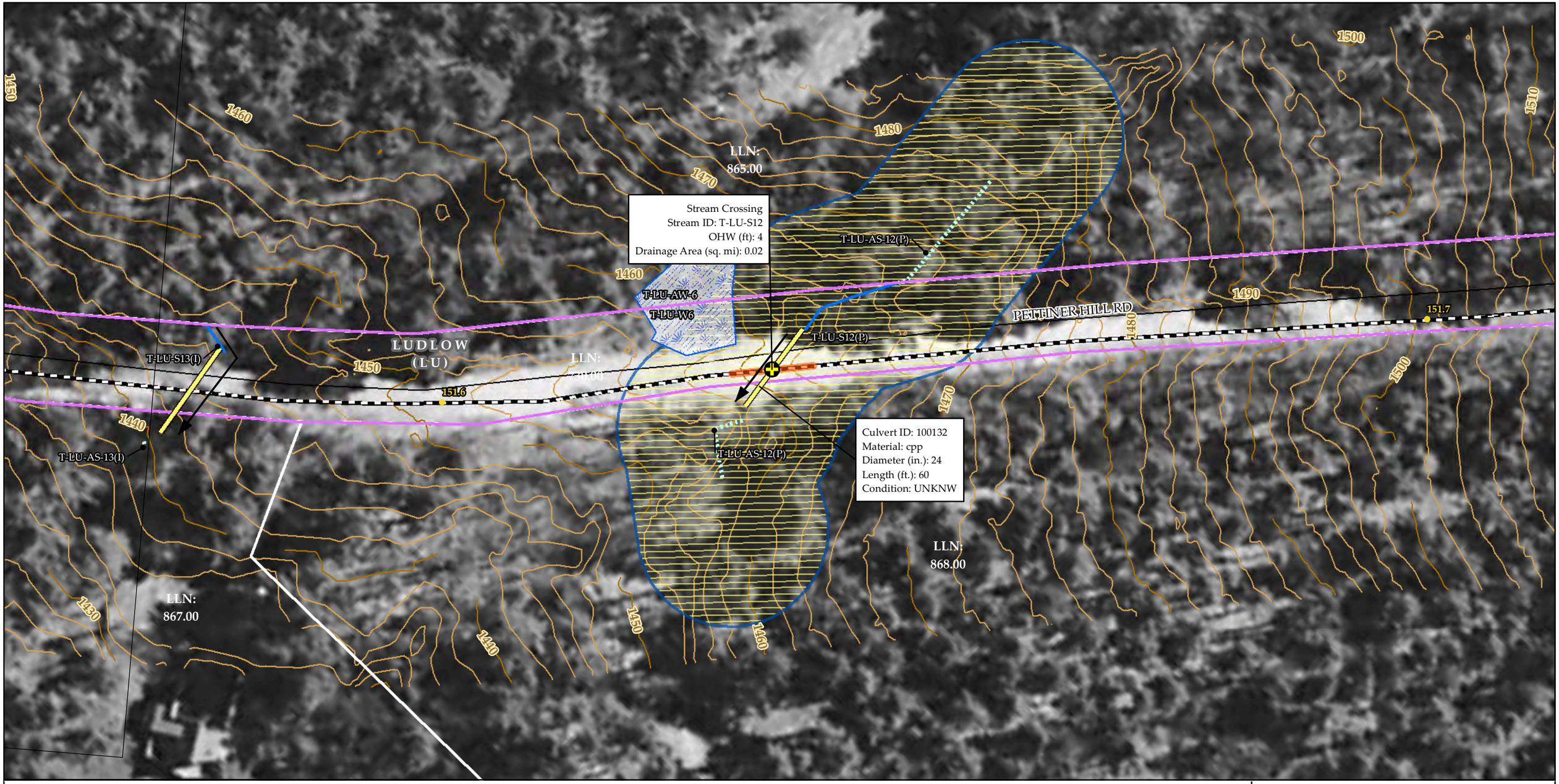

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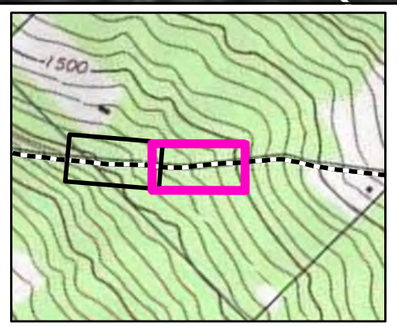
50 25 0 50 Feet



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