



THE STATE OF NEW HAMPSHIRE
DEPARTMENT OF TRANSPORTATION
EXCAVATION PERMIT
DISTRICT 3

PERMIT NO: 03-2015-90
TOWN/CITY: THORNTON
ROAD/ROUTE: 3
DATE: 12/8/15

(THIS FORM IS NOT A PERMIT UNTIL APPROVED BY NHDOT)

District 1, 641 Main St, Lancaster, NH 03584
District 2, 8 Eastman Hill Road, Enfield, NH 03748
District 3, 2 Sawmill Road, Gilford, NH 03249

District 4, 19 Base Hill Road, Swanzey, NH 03446
District 5, 16 East Point Drive, Bedford, NH 03110
District 6, PO Box 740, Durham, NH 03824

Pursuant to R.S.A. 231:184, 185, 186 and R.S.A. 236:9, 10, 11, permission is requested to disturb the surface, shoulders, ditches or slopes as described below:

- 1) on the north and south side of Route 3 or Daniel Webster Highway Road
2) in the town of Thorton, NH
3) for the purpose of Rt. 3 Northern Pass Project borings.
4) located (give distance to nearest crossroad and/or other local landmark and include sketch or plan)
Borings are located on Route 3 between 93 North and Adams Farm Rd. There are 7 borings in Thorton.
Boring 17A, 18, 18A, 19, 19A, 20, and 20A.
5) during the period of dates between 12/7/15 and 12/18/15

RECEIVED DEC 8 2015 N.H.D.O.T. DISTRICT 3 GILFORD

DIG SAFE PERMIT REQUIRED BY LAW (CALL 1-888-DIG-SAFE)

I/We hereby agree to conform to the following instructions and regulations in regards to the performance of the work proposed under this request. I/We also agree to any additional instructions issued by the District Engineer, or his authorized representatives during the process of the work.

If the pavement has to be disturbed, it must be sawcut, unless otherwise directed, prior to excavating. The pavement and base coarse materials are to be discarded. Excavation below subgrade is to be saved and used for backfill to prevent differential frost heaving. The disturbed area must be backfilled in layers not exceeding EIGHT inches (8") and thoroughly compacted. The base coarse shall be replaced as constructed. Hot bituminous pavement (HBP) shall be used for all patching material at a depth equal to the existing, unless otherwise stated. Earth areas disturbed will be replaced in kind, loamed, fertilized, seeded and mulched. All material and construction practices shall conform to the NHDOT Standard Specifications for Road and Bridge Construction, latest edition, and any amendments thereto. Interruptions to traffic shall be kept to a minimum and be maintained in accordance with the most current edition of the Manual on Uniform Traffic Control Devices. When conditions warrant, flaggers and or uniformed officers shall be utilized and be of a competent nature. No work shall be performed between November 15 and April 15, between dusk and dawn, or during periods of inclement weather, unless otherwise directed.

I/We agree to indemnify, defend and save harmless the State of New Hampshire from any and all claims arising from the construction, maintenance and operation of the said item(s) and appurtenances as described in this Permit and agree to obtain permits from the District Engineer before performing any future excavation for maintenance or renewal of the said items(s) or appurtenances within the highway limits. I/We agree to assume such additional cost as the State may incur due to the maintenance, operation, renewal, extension and inspection or of my/our failure to perform this work in the manner prescribed. It is understood and agreed that this Permit is for the right of construction, occupancy, operation and future maintenance of the said items(s) or appurtenances as described in the Permit and is by sufferance only. In the event of future alterations to the highway or highway right-of-way, the State reserves the right to require certain alterations, relocations, or complete removal of said item(s) promptly by the utility and at no expense to the State. I/We are familiar with the penalty imposed by R.S.A. 236:14.

OFFICE USE ONLY

THE DISTRICT CONTACT PERSON MUST BE NOTIFIED AT LEAST FORTY-EIGHT (48) HOURS BEFORE PERFORMING ANY WORK. A COPY OF THIS PERMIT SHALL BE PRESENT AT THE WORK SITE AT ALL TIMES.

Where Applicable, in accordance with RSA 72:23, I(b), this agreement is made between the parties subject to the condition that the owner/ operator shall pay all properly assessed real and personal property taxes. Failure of the owner/ operator to pay duly assessed personal and real taxes when due shall be cause to terminate this agreement. In accordance with the requirements of RSA 72:23, I(b), the owner/operator shall be obligated to pay real and personal property taxes on structures or improvements added.

By signature below, I/We agree to the conditions and/or additional requirements as set forth in this document.

(PLEASE PRINT)

CONTRACTOR: New England Boring Contractors  
ADDRESS: 40 Fordway St, Derry, NH 03038  
SIGNATURE: [Signature] TITLE: Project Manager  
PRINTED NAME: Thomas Garside TEL. NO. 603-437-1610

OWNER: Northern Pass Transmission, LLC  
ADDRESS: 780 North Commercial Street, Manchester, NH 03101  
SIGNATURE: [Signature] TITLE: Project Manager  
PRINTED NAME: Brian Bosse TEL. NO. 603-634-2933  
24 HOUR CONTACT PERSON: Thomas Garside TEL. NO. 603-437-1610

(FOR DISTRICT OFFICE USE ONLY)  
ADDITIONAL REQUIREMENT

"SEE ATTACHED ADDENDUM"

Prior to initiating work, the applicant shall furnish a SURETY BOND OR LETTER OF CREDIT in the amount of \$ 5,000.00 which shall remain in forces for two years after completion and NHDOT acceptance of the project.

Contact Person: DAVID SILVERA Title: ACCESS & UTILITIES Telephone No. 524-6667  
Work to Begin: 12/7/15 Work to End: 12/18/15  
Permit Number: 0342015-70 Expires: 12/18/15  
City/Town: THORNTON Patrol Section: 325

Approved By: [Signature] 12/8/15  
For the Director of Administration, N.H. Dept. of Transportation Date

Revised 03/29/2012

**NH Department of Transportation - District 03**  
**2 Sawmill Road, Gilford, NH 03249**

**Excavation Permit Addendum**

Permit No: 03-2015-90

Project: US Route 3 Northern Pass Borings, Thornton

All work shall conform to The State of New Hampshire Utility Accommodation Manual adopted February 24, 2010 (as amended) unless otherwise authorized by this permit.

Uniformed police shall be utilized for traffic control unless certified flaggers are specifically authorized by the District. All traffic control shall comply with the Manual on Uniform Traffic Control Devices.

Two-way unrestricted travel shall be maintained on weekends, holidays, after 4 p.m. on weekdays, during motorcycle week and between July 1<sup>st</sup> and the day after Labor Day unless specifically authorized otherwise by this permit. Any detour of traffic onto Town roads requires prior authorization from the Town and the NHDOT.

A list of emergency telephone numbers relating to this project shall be provided to the District Office prior to construction.

Any existing culverts, catch basins, guardrail, fences, stonewalls or other highway structures in the right-of-way that are damaged during construction shall be repaired in-kind or replaced entirely at the discretion of the District Engineer. Any trees within the NHDOT right-of-way that are irreparably damaged during construction shall be removed by the contractor. New beam guardrail shall be required where guardrail has to be replaced.

All highway paving and shoulder restoration work shall be completed before November 1<sup>st</sup>.

If the project has to be shut down for the Winter or other extended periods of time, the contractor shall schedule an inspection with District personnel to assure that the site has been properly secured to facilitate traffic safety, plowing and other highway maintenance activities.

During inclement weather, the contractor shall maintain the highway and shoulder surfaces including any regrading, asphalt patching, snow removal, sanding or salting required to safely accommodate traffic for the duration of the project.

The applicant shall comply with all applicable ordinances and regulations of the municipality and other state agencies.

Upon completion all slope work shall be returned to original condition, to include loam, seed and mulch.



THE STATE OF NEW HAMPSHIRE
DEPARTMENT OF TRANSPORTATION
EXCAVATION PERMIT
DISTRICT 03

PERMIT NO: 03-2016-14
TOWN/CITY: THORNTON
ROAD/ROUTE: 3
DATE: 4/8/16

(THIS FORM IS NOT A PERMIT UNTIL APPROVED BY NHDOT)

District 1, 641 Main St, Lancaster, NH 03584
District 2, 8 Eastman Hill Road, Enfield, NH 03748
District 3, 2 Sawmill Road, Gilford, NH 03249

District 4, 19 Base Hill Road, Swanzey, NH 03446
District 5, 16 East Point Drive, Bedford, NH 03110
District 6, PO Box 740, Durham, NH 03824

Pursuant to R.S.A. 231:184, 185, 186 and R.S.A. 236:9, 10, 11, permission is requested to disturb the surface, shoulders, ditches or slopes as described below:

- 1) on the east and west side of Route 3 or Daniel Webster Highway Road
2) in the town of Thornton
3) for the purpose of soil test borings for the design of the Northern Pass Underground Transmission Line
4) located (give distance to nearest crossroad and/or other local landmark and include sketch or plan)
29 borings BH 197 through BH 229 (excluding BH 203, BH 207, BH 216, and BH 222) located on Route 3 (Daniel Webster Highway) from the the Woodstock/Thornton town line continuing south to the Thornton/Campton town line.
5) during the period of dates between sometime between April 18 and August 31, 2016

DIG SAFE PERMIT REQUIRED BY LAW (CALL 1-888-DIG-SAFE)

I/We hereby agree to conform to the following instructions and regulations in regards to the performance of the work proposed under this request. I/We also agree to any additional instructions issued by the District Engineer, or his authorized representatives during the process of the work.

If the pavement has to be disturbed, it must be sawcut, unless otherwise directed, prior to excavating. The pavement and base coarse materials are to be discarded. Excavation below subgrade is to be saved and used for backfill to prevent differential frost heaving. The disturbed area must be backfilled in layers not exceeding EIGHT inches (8") and thoroughly compacted. The base coarse shall be replaced as constructed. Hot bituminous pavement (HBP) shall be used for all patching material at a depth equal to the existing, unless otherwise stated. Earth areas disturbed will be replaced in kind, loamed, fertilized, seeded and mulched. All material and construction practices shall conform to the NHDOT Standard Specifications for Road and Bridge Construction, latest edition, and any amendments thereto. Interruptions to traffic shall be kept to a minimum and be maintained in accordance with the most current edition of the Manual on Uniform Traffic Control Devices. When conditions warrant, flaggers and or uniformed officers shall be utilized and be of a competent nature. No work shall be performed between November 15 and April 15, between dusk and dawn, or during periods of inclement weather, unless otherwise directed.

I/We agree to indemnify, defend and save harmless the State of New Hampshire from any and all claims arising from the construction, maintenance and operation of the said item(s) and appurtenances as described in this Permit and agree to obtain permits from the District Engineer before performing any future excavation for maintenance or renewal of the said items(s) or appurtenances within the highway limits. I/We agree to assume such additional cost as the State may incur due to the maintenance, operation, renewal, extension and inspection or of my/our failure to perform this work in the manner prescribed. It is understood and agreed that this Permit is for the right of construction, occupancy, operation and future maintenance of the said items(s) or appurtenances as described in the Permit and is by sufferance only. In the event of future alterations to the highway or highway right-of-way, the State reserves the right to require certain alterations, relocations, or complete removal of said item(s) promptly by the utility and at no expense to the State. I/We are familiar with the penalty imposed by R.S.A. 236:14.

OFFICE USE ONLY

THE DISTRICT CONTACT PERSON MUST BE NOTIFIED AT LEAST FORTY-EIGHT (48) HOURS BEFORE PERFORMING ANY WORK. A COPY OF THIS PERMIT SHALL BE PRESENT AT THE WORK SITE AT ALL TIMES.

Where Applicable, in accordance with RSA 72:23, I(b), this agreement is made between the parties subject to the condition that the owner/ operator shall pay all properly assessed real and personal property taxes. Failure of the owner/ operator to pay duly assessed personal and real taxes when due shall be cause to terminate this agreement. In accordance with the requirements of RSA 72:23, I(b), the owner/operator shall be obligated to pay real and personal property taxes on structures or improvements added.

By signature below, I/We agree to the conditions and/or additional requirements as set forth in this document.

(PLEASE PRINT)

CONTRACTOR: S.W.COLE Explorations, LLC  
ADDRESS: 13 Delta Drive, Londonderry, NH 03503  
SIGNATURE: [Signature] TITLE: Vice President  
PRINTED NAME: Chad B. Michaud TEL. NO. 603-841-1210

OWNER: Northern Pass Transmission, LLC  
ADDRESS: 780 North Commercial Street, Manchester, NH 03101  
SIGNATURE: [Signature] TITLE: Project Manager  
PRINTED NAME: Brian Bosse TEL. NO. 603-634-2933  
24 HOUR CONTACT PERSON: Kevin Hanscom TEL. NO. 207-949-4914

(FOR DISTRICT OFFICE USE ONLY)  
ADDITIONAL REQUIREMENT

" SEE ATTACHED ADDENDUM "

Prior to initiating work, the applicant shall furnish a SURETY BOND OR LETTER OF CREDIT in the amount of \$ 30,000 which shall remain in forces for two years after completion and NHDOT acceptance of the project.

Contact Person: DAVID SILVIA Title: ACCESS & UTILITIES Telephone No. (603) 524-6667  
Work to Begin: 4/18/16 Work to End: 8/31/16  
Permit Number: 03-2016-14 Expires: 8/31/16  
City/Town: TIMBORTON Patrol Section: 325  
Approved By: William Rollins 4/12/16  
For the Director of Administration, N.H. Dept. of Transportation Date

Revised 03/29/2012

**NH Department of Transportation - District 03**  
**2 Sawmill Road, Gilford, NH 03249**

**Excavation Permit Addendum**

Permit No: 03-2016-14

Project: Soil test borings for Northern Pass, US Route 3, Thornton

Reference aerial sheet no. 59-68. The permittee shall advise NHDOT of any changes in the contract requirements that have been previously approved by the Department.

All work shall conform to The State of New Hampshire Utility Accommodation Manual adopted February 24, 2010 (as amended) unless otherwise authorized by this permit.

Uniformed police shall be utilized for traffic control unless certified flaggers are specifically authorized by the District. All traffic control shall comply with the Manual on Uniform Traffic Control Devices.

Two-way unrestricted travel shall be maintained on weekends, holidays, after 4 p.m. on weekdays, during motorcycle week and between July 1<sup>st</sup> and the day after Labor Day unless specifically authorized otherwise by this permit. Any detour of traffic onto Town roads requires prior authorization from the Town and the NHDOT.

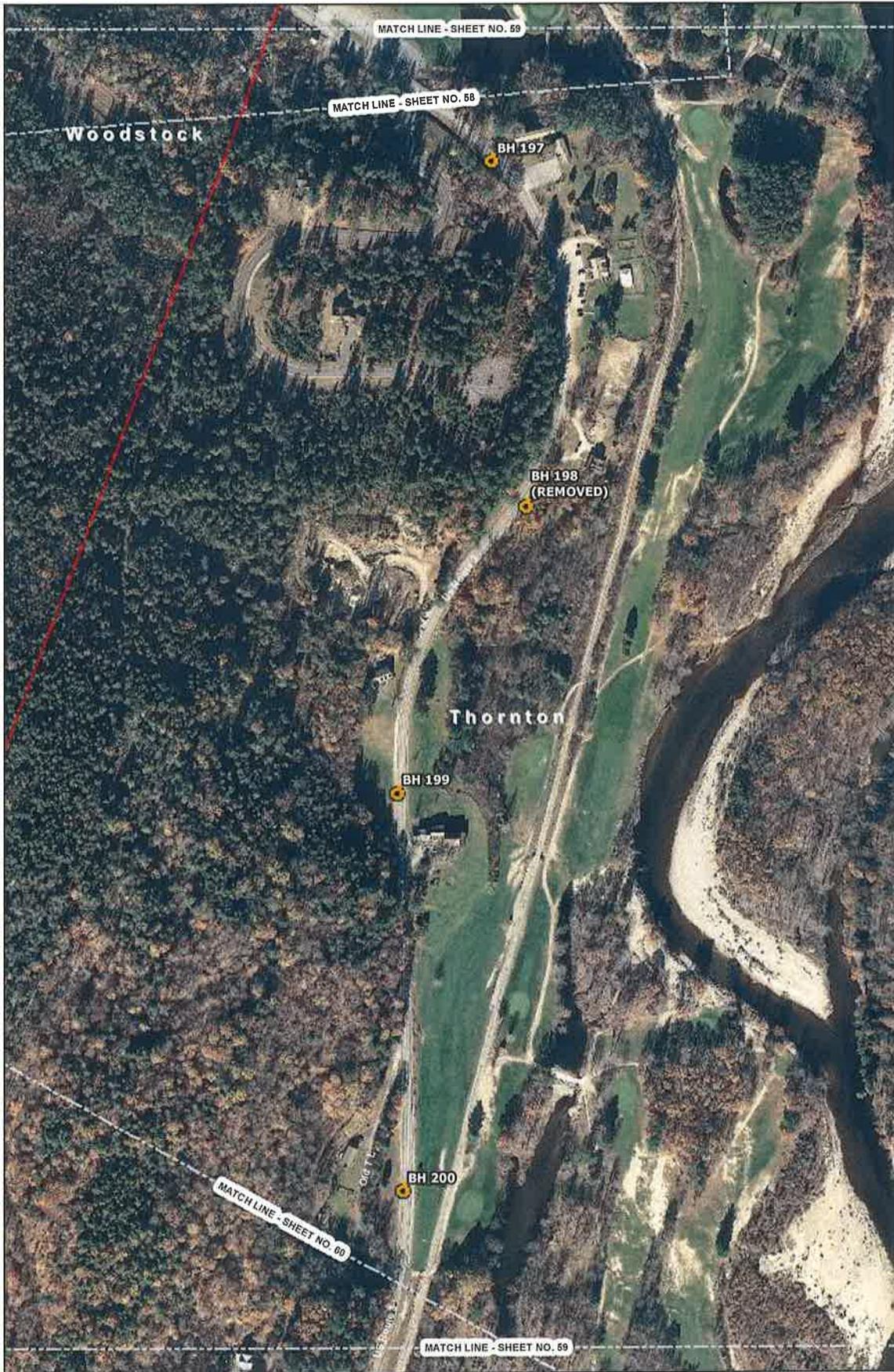
Any existing culverts, catch basins, guardrail, fences, stone walls or other highway structures in the right-of-way that are damaged during construction shall be repaired in-kind or replaced entirely at the discretion of the District Engineer. Any trees within the NHDOT right-of-way that are irreparably damaged during construction shall be removed by the contractor. New beam guardrail shall be required where guardrail has to be replaced.

All highway paving and shoulder restoration work shall be completed before November 1<sup>st</sup>.

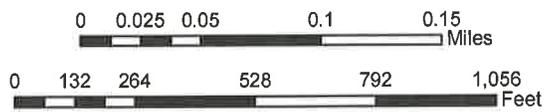
During inclement weather, the contractor shall maintain the highway and shoulder surfaces including any regrading, asphalt patching, snow removal, sanding or salting required to safely accommodate traffic for the duration of the project.

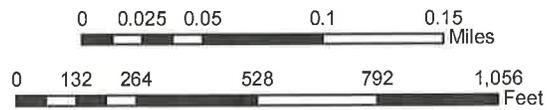
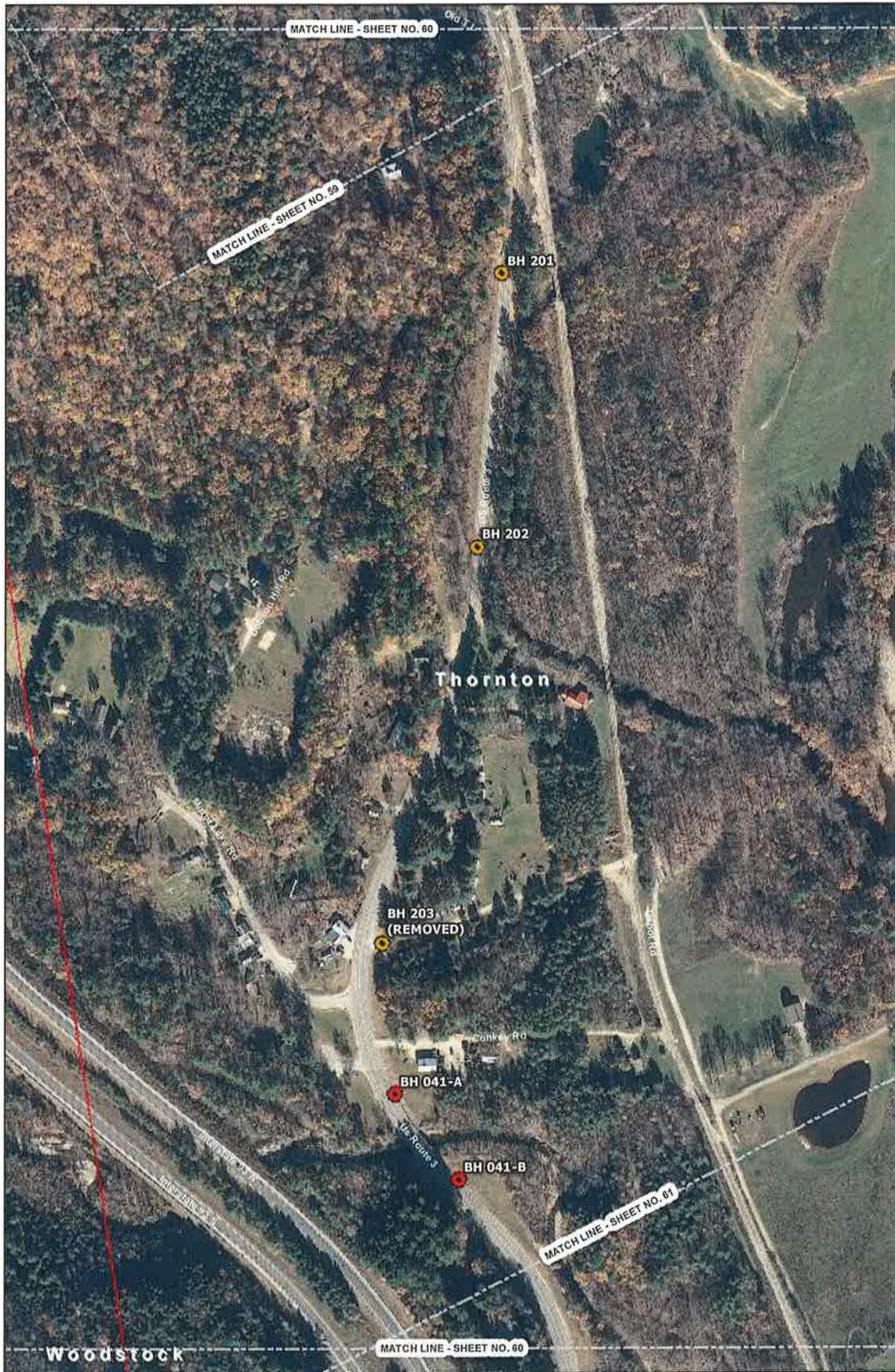
The applicant shall comply with all applicable ordinances and regulations of the municipality and other state agencies.

Upon completion all slope work shall be returned to original condition, to include loam, seed and mulch.



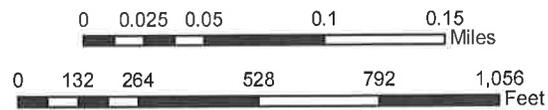
(SHEET 60)

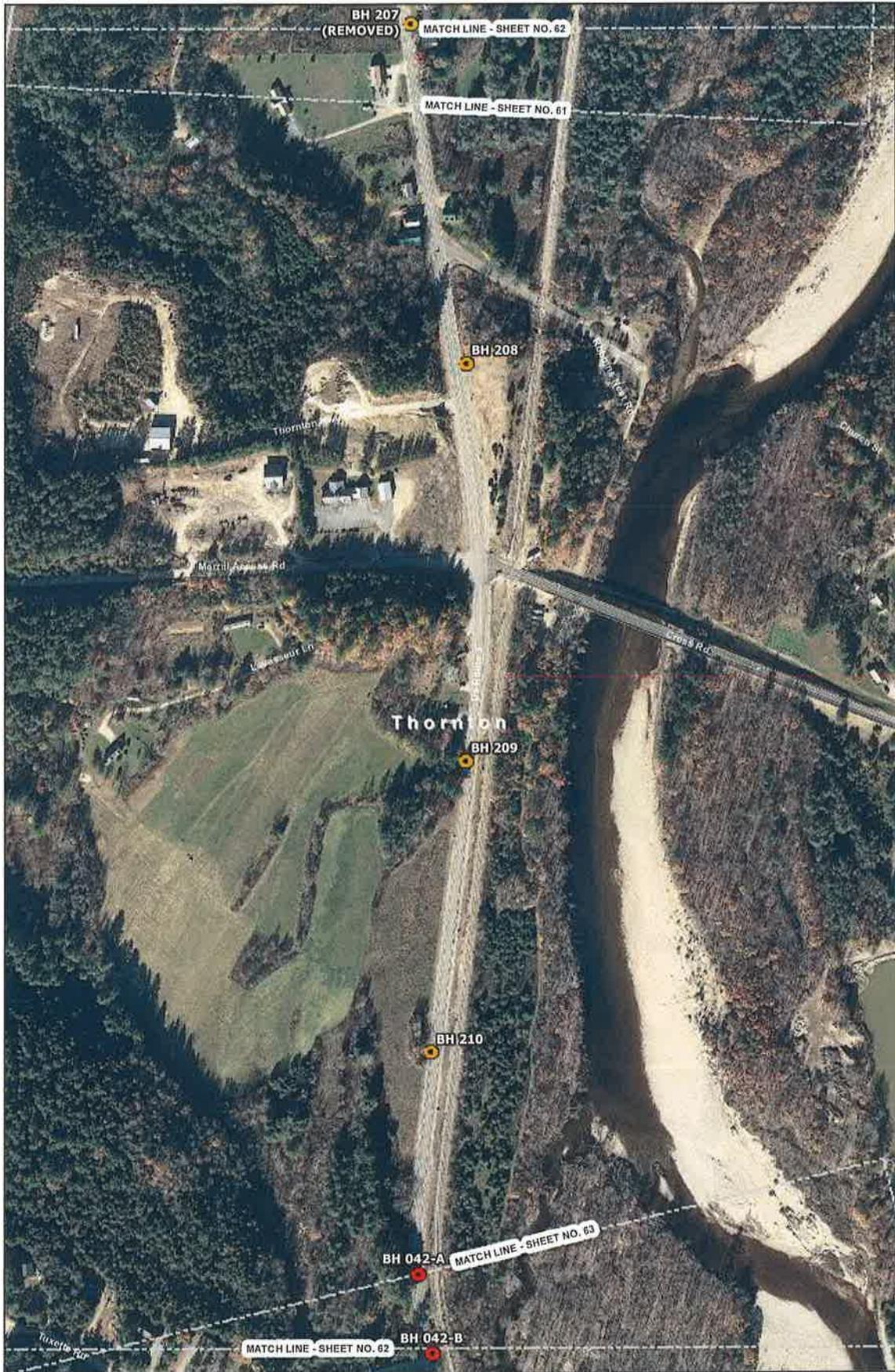






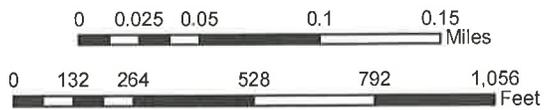
(SHEET 62)





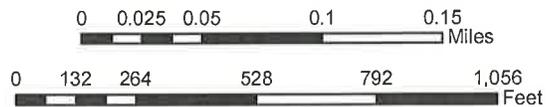


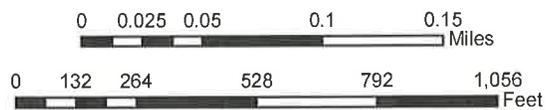
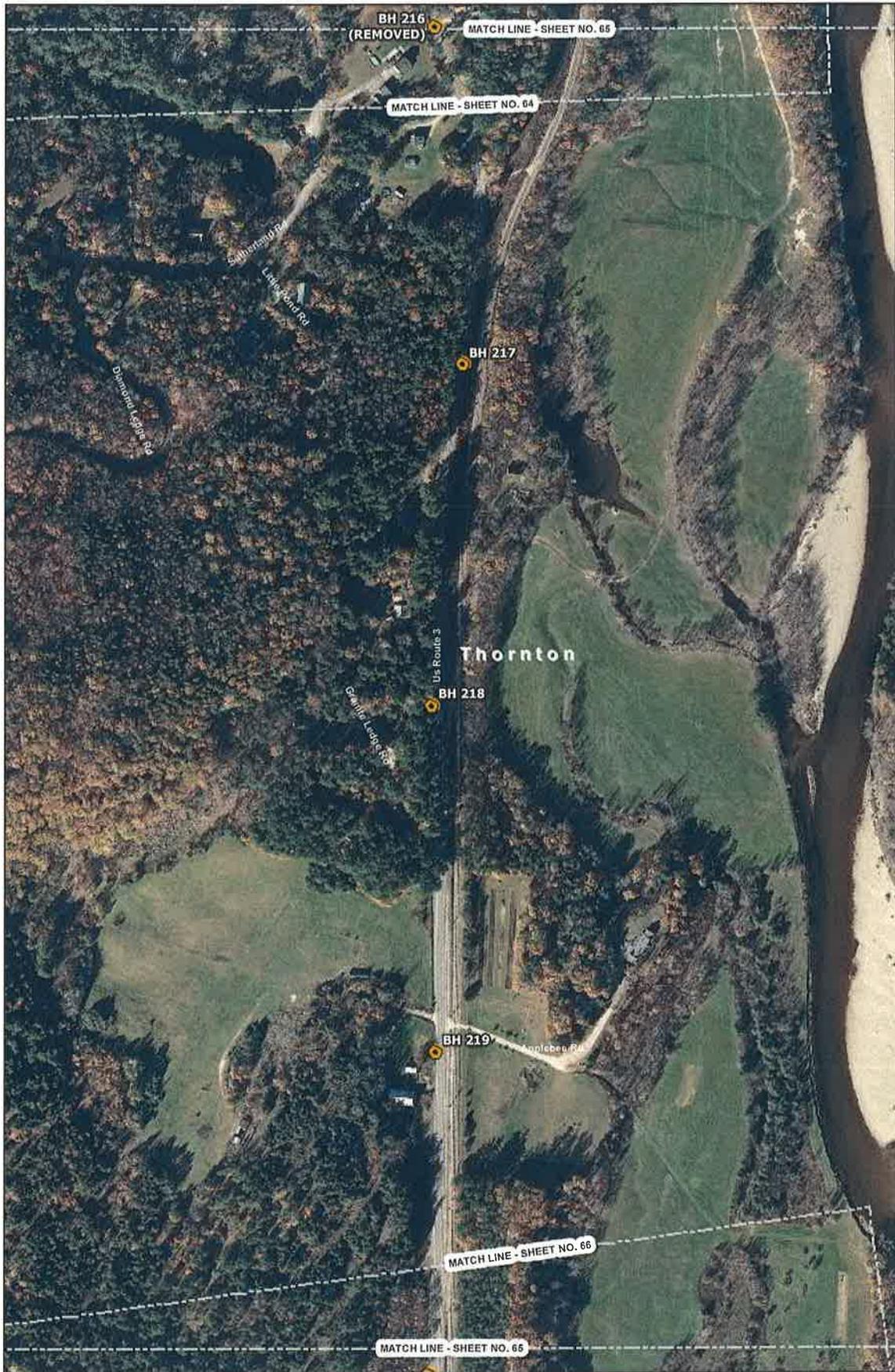
(SHEET 64)

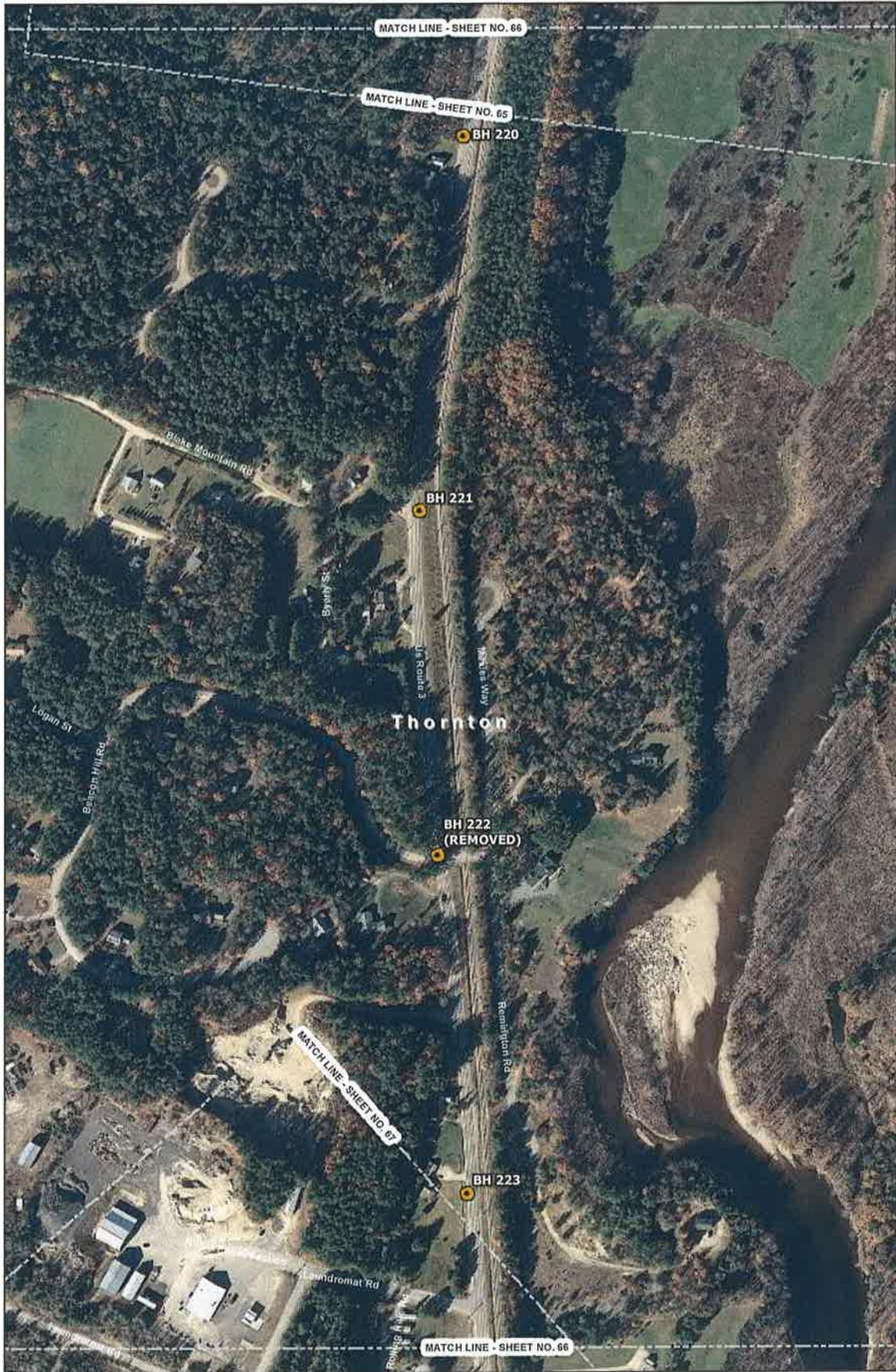




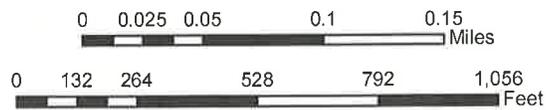
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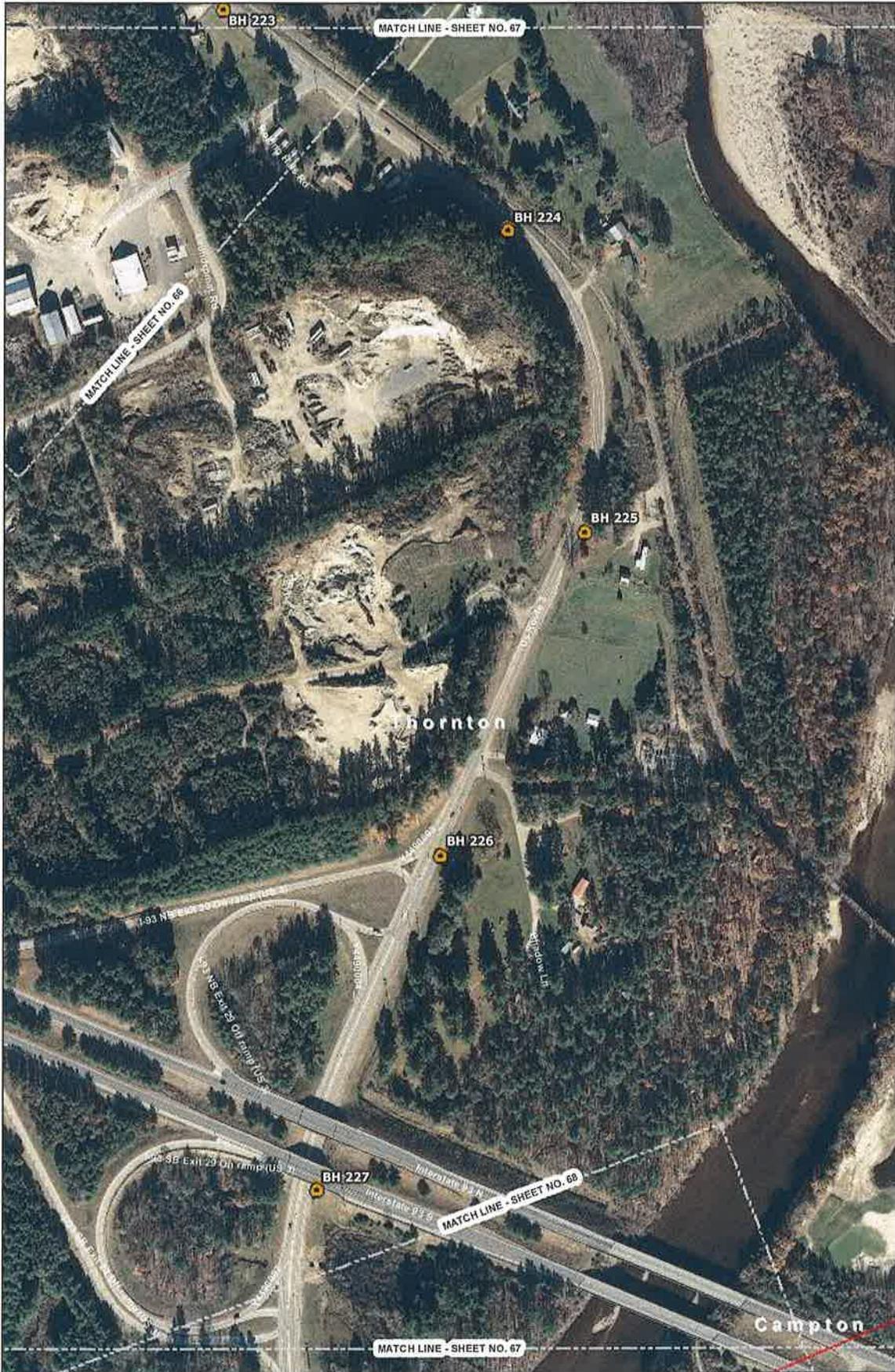




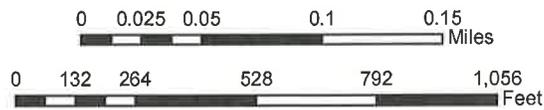


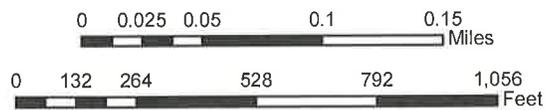
(SHEET 67)





(SHEET 68)







THE STATE OF NEW HAMPSHIRE
DEPARTMENT OF TRANSPORTATION
EXCAVATION PERMIT
DISTRICT 03

PERMIT NO: 03-2016-22
TOWN/CITY: Thornton
ROAD/ROUTE: US 3
DATE: 5/11/2016

(THIS FORM IS NOT A PERMIT UNTIL APPROVED BY NHDOT)

District 1, 641 Main St, Lancaster, NH 03584
District 2, 8 Eastman Hill Road, Enfield, NH 03748
District 3, 2 Sawmill Road, Gilford, NH 03249

District 4, 19 Base Hill Road, Swanzey, NH 03446
District 5, 16 East Point Drive, Bedford, NH 03110
District 6, PO Box 740, Durham, NH 03824

Pursuant to R.S.A. 231:184, 185, 186 and R.S.A. 236:9, 10, 11, permission is requested to disturb the surface, shoulders, ditches or slopes as described below:

- 1) on the east and west side of Route 3 or Daniel Webster Highway Road
2) in the town of Thornton
3) for the purpose of soil test borings for the design of the Northern Pass Underground Transmission Line
4) located (give distance to nearest crossroad and/or other local landmark and include sketch or plan)
6 borings located on Route 3 (Daniel Webster Highway) from the Woodstock/Thornton town line continuing south to the Thornton/Campton town line. Borings BH 041A and 041B located south of Conkey Road. Borings 042A and 042B located north of Tuxette Road. Borings BH 043A and 043B located south of Avery Mcgee Road.
5) during the period of dates between sometime between May 31 and August 31, 2016

RECEIVED
MAY 11 2016
NHDOT
DISTRICT 03 GILFORD

DIG SAFE PERMIT REQUIRED BY LAW (CALL 1-888-DIG-SAFE)

I/We hereby agree to conform to the following instructions and regulations in regards to the performance of the work proposed under this request. I/We also agree to any additional instructions issued by the District Engineer, or his authorized representatives during the process of the work.

If the pavement has to be disturbed, it must be sawcut, unless otherwise directed, prior to excavating. The pavement and base coarse materials are to be discarded. Excavation below subgrade is to be saved and used for backfill to prevent differential frost heaving. The disturbed area must be backfilled in layers not exceeding EIGHT inches (8") and thoroughly compacted. The base coarse shall be replaced as constructed. Hot bituminous pavement (HBP) shall be used for all patching material at a depth equal to the existing, unless otherwise stated. Earth areas disturbed will be replaced in kind, loamed, fertilized, seeded and mulched. All material and construction practices shall conform to the NHDOT Standard Specifications for Road and Bridge Construction, latest edition, and any amendments thereto. Interruptions to traffic shall be kept to a minimum and be maintained in accordance with the most current edition of the Manual on Uniform Traffic Control Devices. When conditions warrant, flaggers and or uniformed officers shall be utilized and be of a competent nature. No work shall be performed between November 15 and April 15, between dusk and dawn, or during periods of inclement weather, unless otherwise directed.

I/We agree to indemnify, defend and save harmless the State of New Hampshire from any and all claims arising from the construction, maintenance and operation of the said item(s) and appurtenances as described in this Permit and agree to obtain permits from the District Engineer before performing any future excavation for maintenance or renewal of the said items(s) or appurtenances within the highway limits. I/We agree to assume such additional cost as the State may incur due to the maintenance, operation, renewal, extension and inspection or of my/our failure to perform this work in the manner prescribed. It is understood and agreed that this Permit is for the right of construction, occupancy, operation and future maintenance of the said items(s) or appurtenances as described in the Permit and is by sufferance only. In the event of future alterations to the highway or highway right-of-way, the State reserves the right to require certain alterations, relocations, or complete removal of said item(s) promptly by the utility and at no expense to the State. I/We are familiar with the penalty imposed by R.S.A. 236:14.

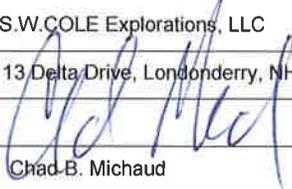
OFFICE USE ONLY

THE DISTRICT CONTACT PERSON MUST BE NOTIFIED AT LEAST FORTY-EIGHT (48) HOURS BEFORE PERFORMING ANY WORK. A COPY OF THIS PERMIT SHALL BE PRESENT AT THE WORK SITE AT ALL TIMES.

Where Applicable, in accordance with RSA 72:23, I(b), this agreement is made between the parties subject to the condition that the owner/ operator shall pay all properly assessed real and personal property taxes. Failure of the owner/ operator to pay duly assessed personal and real taxes when due shall be cause to terminate this agreement. In accordance with the requirements of RSA 72:23, I(b), the owner/operator shall be obligated to pay real and personal property taxes on structures or improvements added.

By signature below, I/We agree to the conditions and/or additional requirements as set forth in this document.

(PLEASE PRINT)

CONTRACTOR:	S.W.COLE Explorations, LLC		
ADDRESS:	13 Delta Drive, Londonderry, NH 03503		
SIGNATURE:		TITLE:	Vice President
PRINTED NAME:	Chad B. Michaud	TEL. NO.	603-841-1210
OWNER:	Northern Pass Transmission, LLC		
ADDRESS:	780 North Commercial Street, Manchester, NH 03101		
SIGNATURE:		TITLE:	Project Manager
PRINTED NAME:	Brian Bosse	TEL. NO.	603-634-2933
24 HOUR CONTACT PERSON:	Kevin Hanscom	TEL. NO.	207-949-4914

(FOR DISTRICT OFFICE USE ONLY)  
ADDITIONAL REQUIREMENT

(See attached addendum)

Prior to initiating work, the applicant shall furnish a SURETY BOND OR LETTER OF CREDIT in the amount of \$ N/A which shall remain in forces for two years after completion and NHDOT acceptance of the project.

Contact Person:	<u>David M. Silvia</u>	Title:	<u>Access + Utilities Engineer</u>	Telephone No.	<u>(603) 524.6667</u>
Work to Begin:	<u>5/31/2016</u>	Work to End:	<u>8/31/2016</u>		
Permit Number:	<u>03-2016-22</u>	Expires:	<u>8/31/2016</u>		
City/Town:	<u>449 Thornton</u>	Patrol Section:	<u>325 Larry D. Hacker</u>		
Approved By:		Date	<u>5/11/2016</u>		

For the Director of Administration, N.H. Dept. of Transportation

Revised 03/29/2012

**NH Department of Transportation - District 03**  
**2 Sawmill Road, Gilford, NH 03249**

**Excavation Permit Addendum**

Permit No: 03-2016-22

Project: Soil test borings for Northern Pass, US Route 3, Thornton

Reference aerial sheet no. 60-63. The permittee shall advise NHDOT of any changes in the contract requirements that have been previously approved by the Department.

All work shall conform to The State of New Hampshire Utility Accommodation Manual adopted February 24, 2010 (as amended) unless otherwise authorized by this permit.

Uniformed police shall be utilized for traffic control unless certified flaggers are specifically authorized by the District. All traffic control shall comply with the Manual on Uniform Traffic Control Devices.

Two-way unrestricted travel shall be maintained on weekends, holidays, after 4 p.m. on weekdays, during motorcycle week and between July 1<sup>st</sup> and the day after Labor Day unless specifically authorized otherwise by this permit. Any detour of traffic onto Town roads requires prior authorization from the Town and the NHDOT.

Any existing culverts, catch basins, guardrail, fences, stone walls or other highway structures in the right-of-way that are damaged during construction shall be repaired in-kind or replaced entirely at the discretion of the District Engineer. Any trees within the NHDOT right-of-way that are irreparably damaged during construction shall be removed by the contractor. New beam guardrail shall be required where guardrail has to be replaced.

All highway paving and shoulder restoration work shall be completed before November 1<sup>st</sup>.

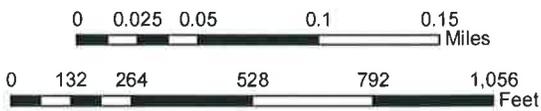
During inclement weather, the contractor shall maintain the highway and shoulder surfaces including any regrading, asphalt patching, snow removal, sanding or salting required to safely accommodate traffic for the duration of the project.

The applicant shall comply with all applicable ordinances and regulations of the municipality and other state agencies.

Upon completion all slope work shall be returned to original condition, to include loam, seed and mulch.



Woodstock





(SHEET 62)





