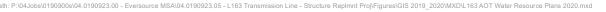
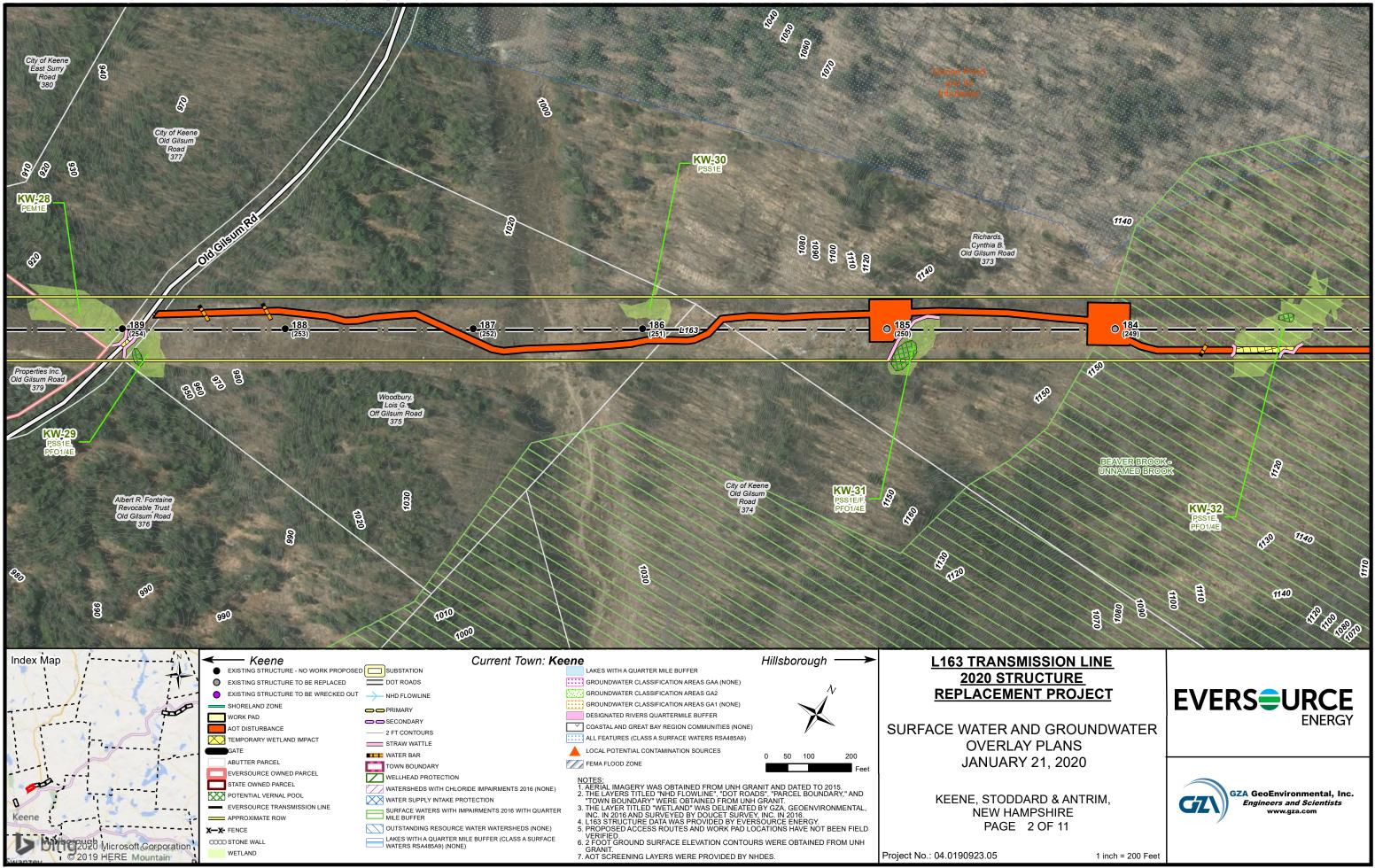


1 inch = 200 Feet





EXISTING STRUCTURE TO BE WRECKED OUT

SHORELAND ZONE

AOT DISTURBANCE

ABUTTER PARCEL

STATE OWNED PARCEL

APPROXIMATE ROW

TEMPORARY WETLAND IMPACT

EVERSOURCE OWNED PARCEL

EVERSOURCE TRANSMISSION LINE

WORK PAD

GATE

X-X- FENCE

COCCO STONE WALL

WETLAND

\$000

C 2019 HERE Mountain

0

Keer

- NHD FLOWLINE

SECONDARY

WATER BAR

MILE BUFFER

------ 2 FT CONTOURS

STRAW WATTLE

TOWN BOUNDARY

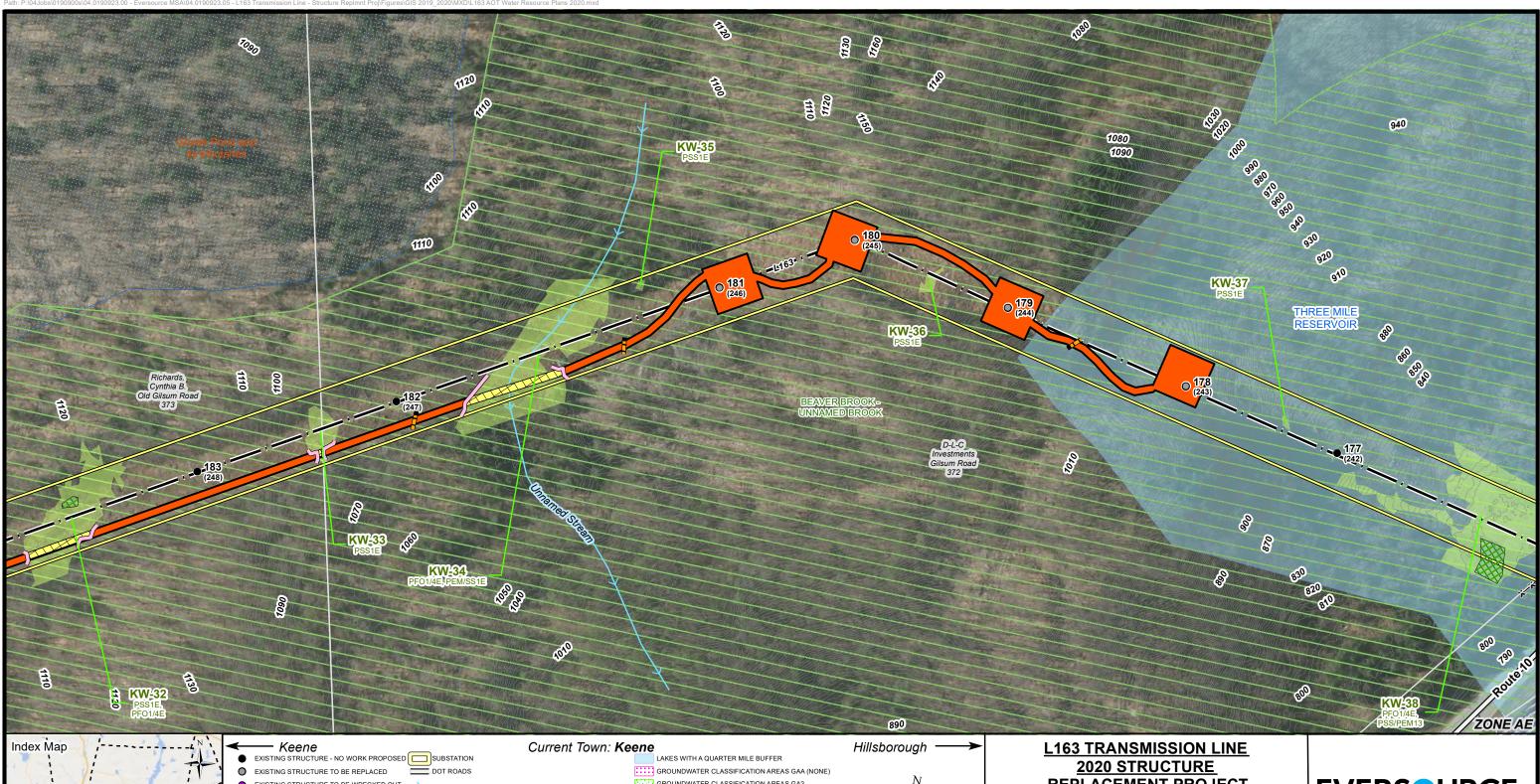
WATER SUPPLY INTAKE PROTECTION

WATERSHEDS WITH CHLORIDE IMPAIRMENTS 2016 (NONE)

OUTSTANDING RESOURCE WATER WATERSHEDS (NONE)

SURFACE WATERS WITH IMPAIRMENTS 2016 WITH QUARTER

LAKES WITH A QUARTER MILE BUFFER (CLASS A SURFACE WATERS RSA485A9) (NONE)



GROUNDWATER CLASSIFICATION AREAS GA2

DESIGNATED RIVERS QUARTERMILE BUFFER

LOCAL POTENTIAL CONTAMINATION SOURCES

FEMA FLOOD ZONE

GROUNDWATER CLASSIFICATION AREAS GA1 (NONE)

COASTAL AND GREAT BAY REGION COMMUNITIES (NONE)

GRANIT. 7. AOT SCREENING LAYERS WERE PROVIDED BY NHDES.

ALL FEATURES (CLASS A SURFACE WATERS RSA485A9)

REPLACEMENT PROJECT

SURFACE WATER AND GROUNDWATER **OVERLAY PLANS JANUARY 21, 2020**

> KEENE, STODDARD & ANTRIM, **NEW HAMPSHIRE** PAGE 3 OF 11

Project No.: 04.0190923.05

100 50

0

NOTES: 1. AERIAL IMAGERY WAS OBTAINED FROM UNH GRANIT AND DATED TO 2015. 2. THE LAYERS TITLED "NHD FLOWLINE", "DOT ROADS", "PARCEL BOUNDARY," AND "TOWN BOUNDARY" WERE OBTAINED FROM UNH GRANIT. 3. THE LAYER TITLED "WETLAND" WAS DELINEATED BY GZA, GEOENVIRONMENTAL, INC. IN 2016 AND SURVEYED BY DOUCET SURVEY, INC. IN 2016. 4. L163 STRUCTURE DATA WAS PROVIDED BY EVERSOURCE ENERGY. 5. PROPOSED ACCESS ROUTES AND WORK PAD LOCATIONS HAVE NOT BEEN FIELD VERIFIED. 6. 2 FOOT GROUND SURFACE ELEVATION CONTOURS WERE OBTAINED FROM UNH GRANIT.

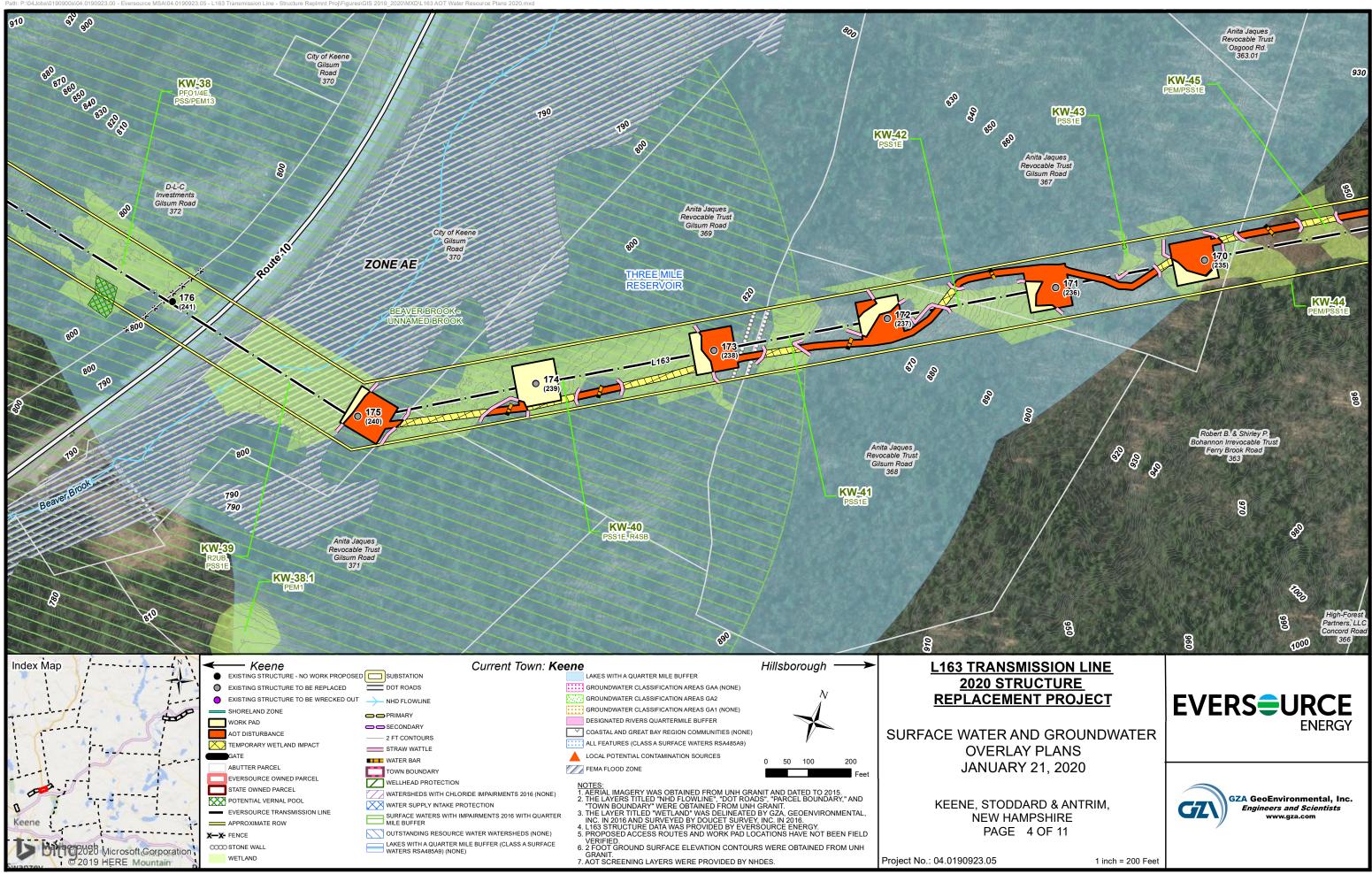
200

EVERSURCE ENERGY

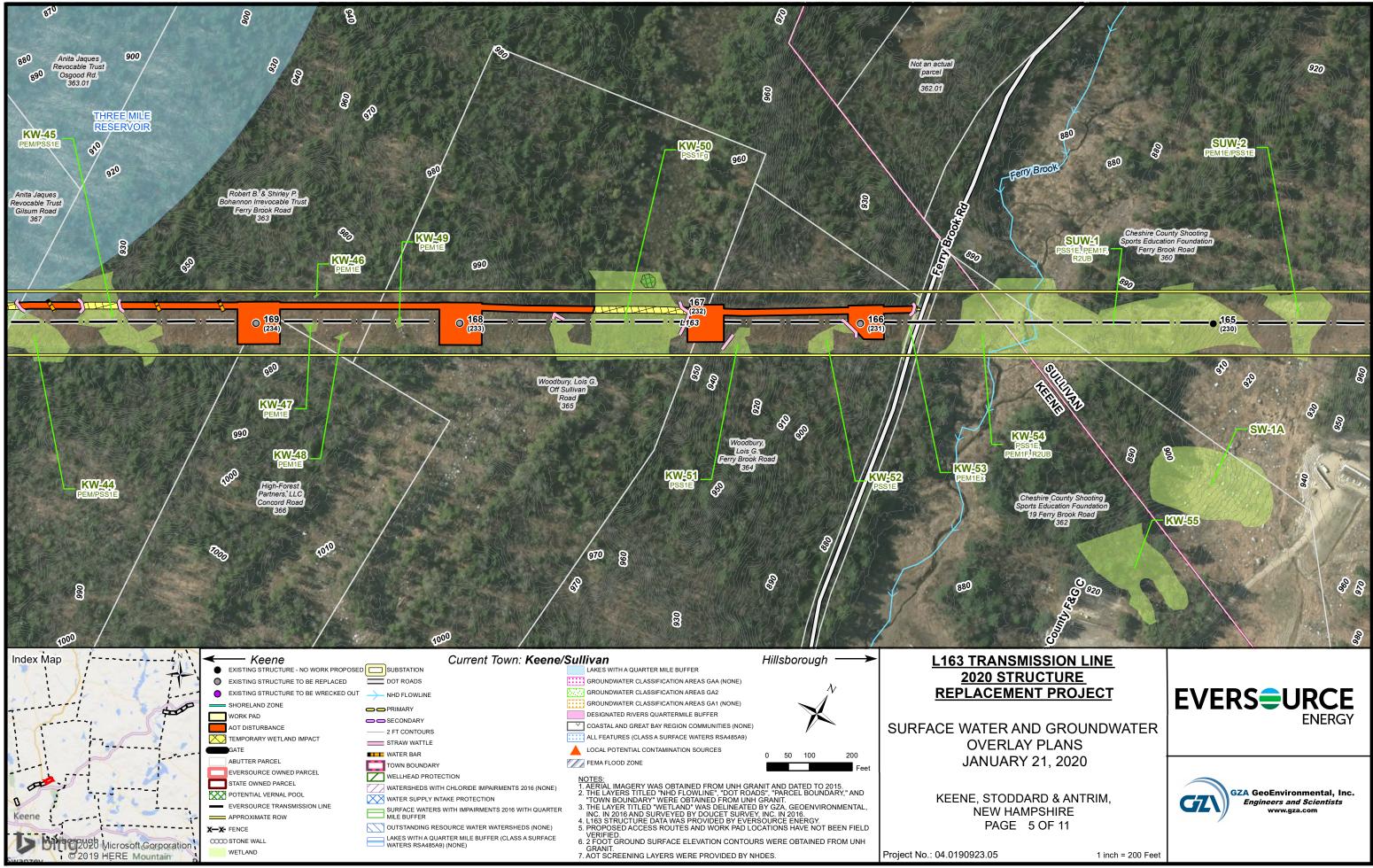
71

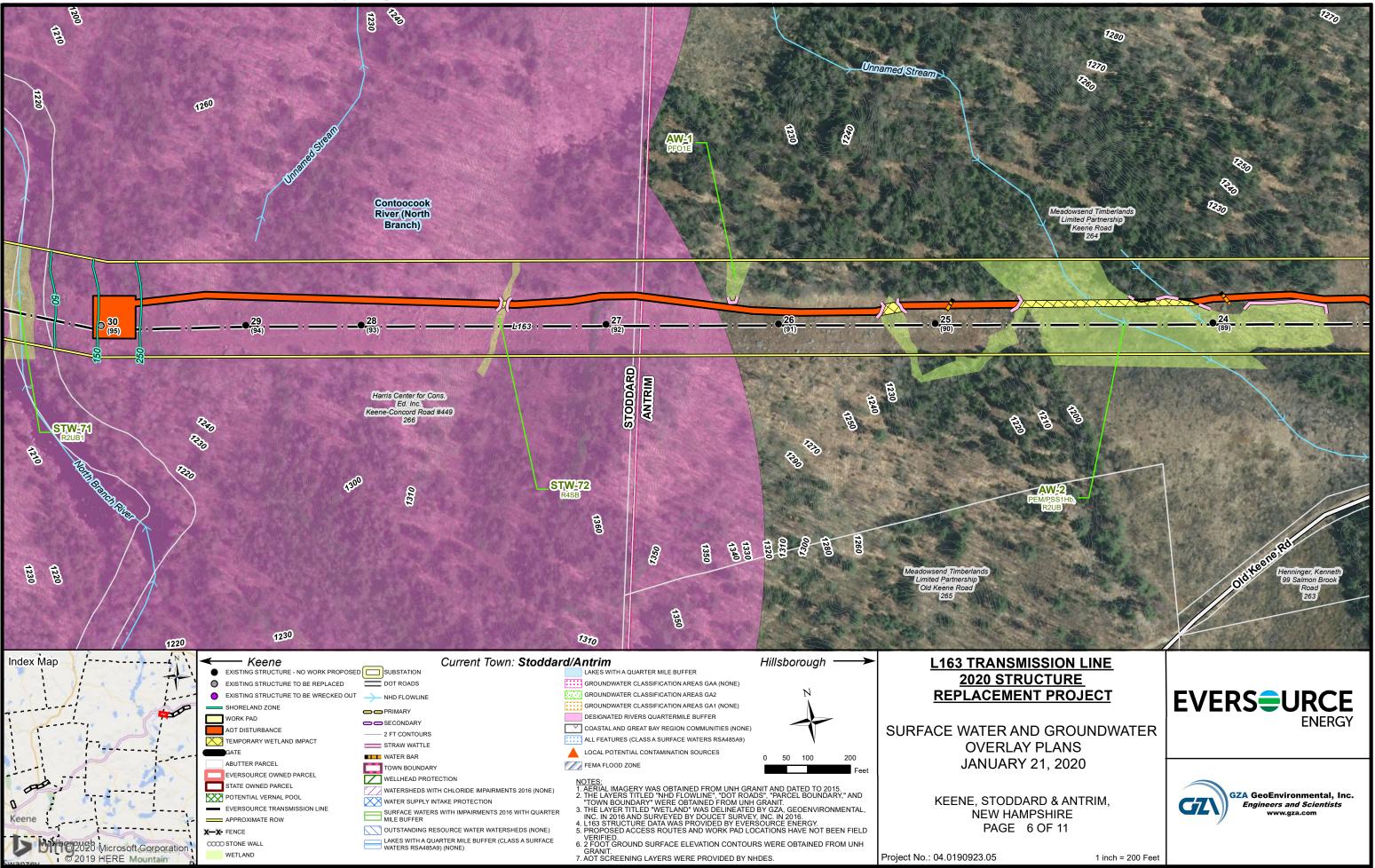
GZA GeoEnvironmental. Inc. Engineers and Scientists www.gza.com

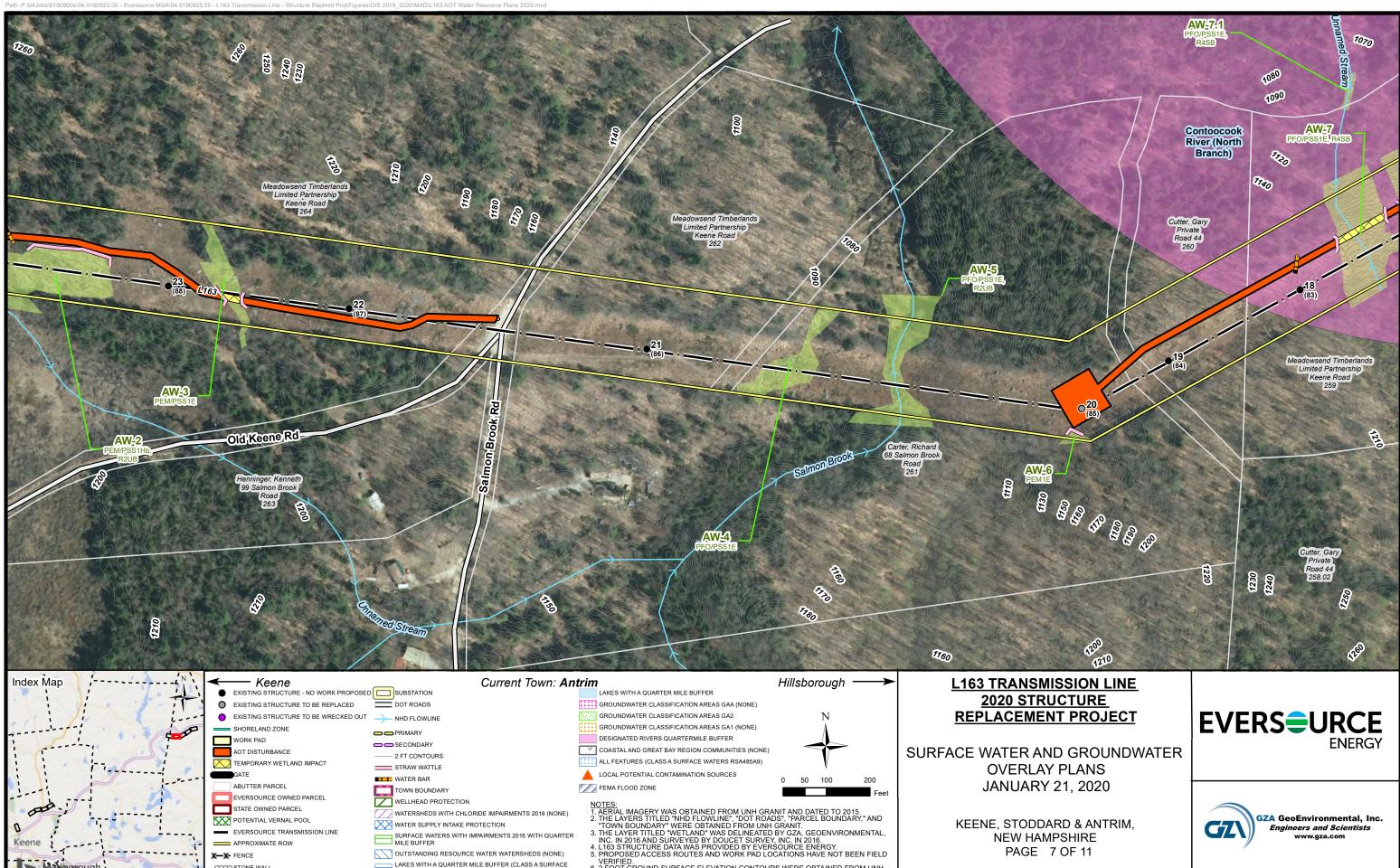
1 inch = 200 Feet



ath: P:\04Jobs\0190900s\04.0190923.00 - Eversource MSA\04.0190923.05 - L163 Transmission Line - Structure RepImnt Proj\Figures\GIS 2019_2020\MXD\L163 AOT Water Resource Plans 2020.mxd







VERIFIED. 6. 2 FOOT GROUND SURFACE ELEVATION CONTOURS WERE OBTAINED FROM UNH

GRANIT. 7. AOT SCREENING LAYERS WERE PROVIDED BY NHDES.

LAKES WITH A QUARTER MILE BUFFER (CLASS A SURFACE WATERS RSA485A9) (NONE)

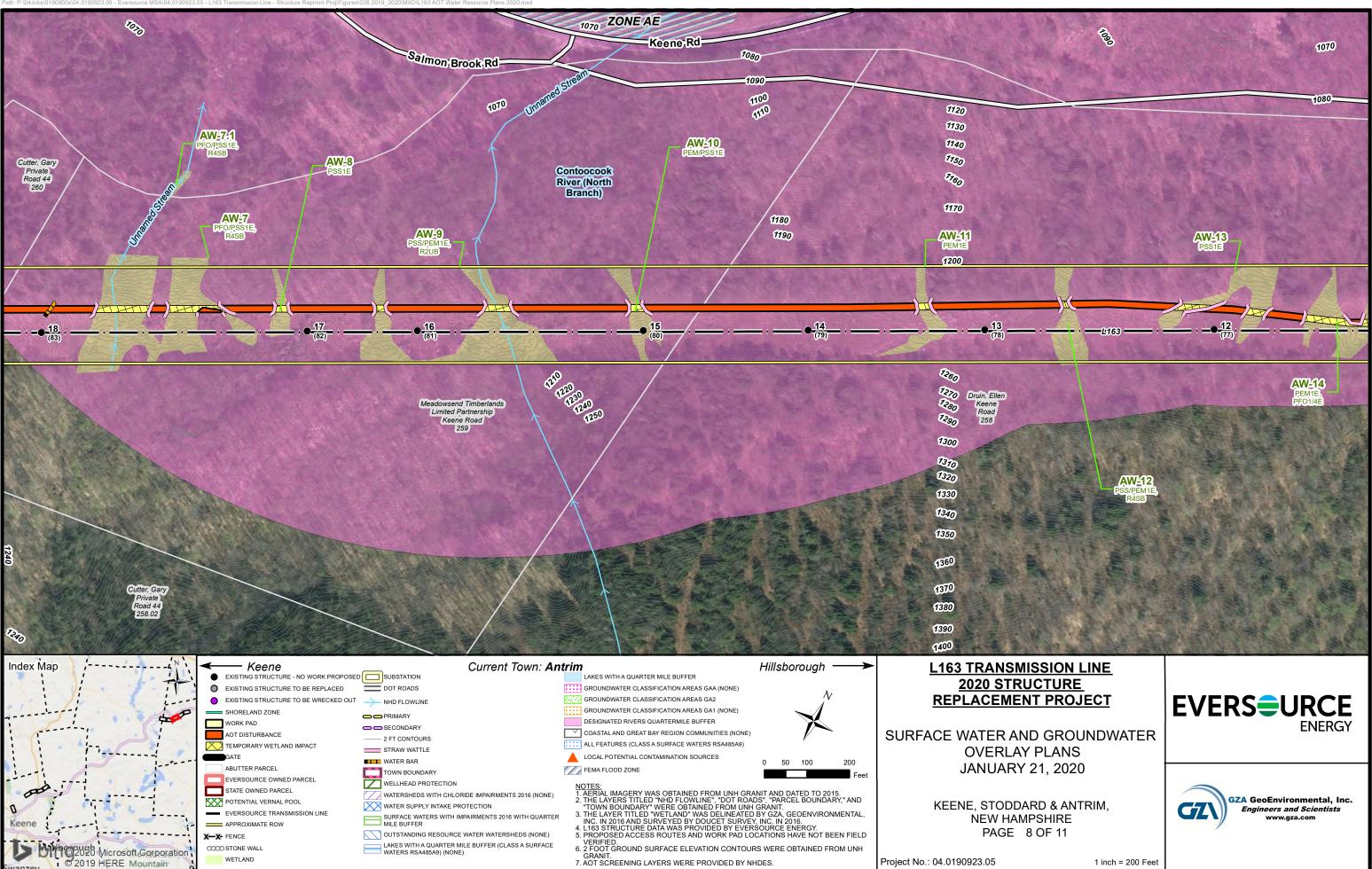
C 2019 HERE Mountain

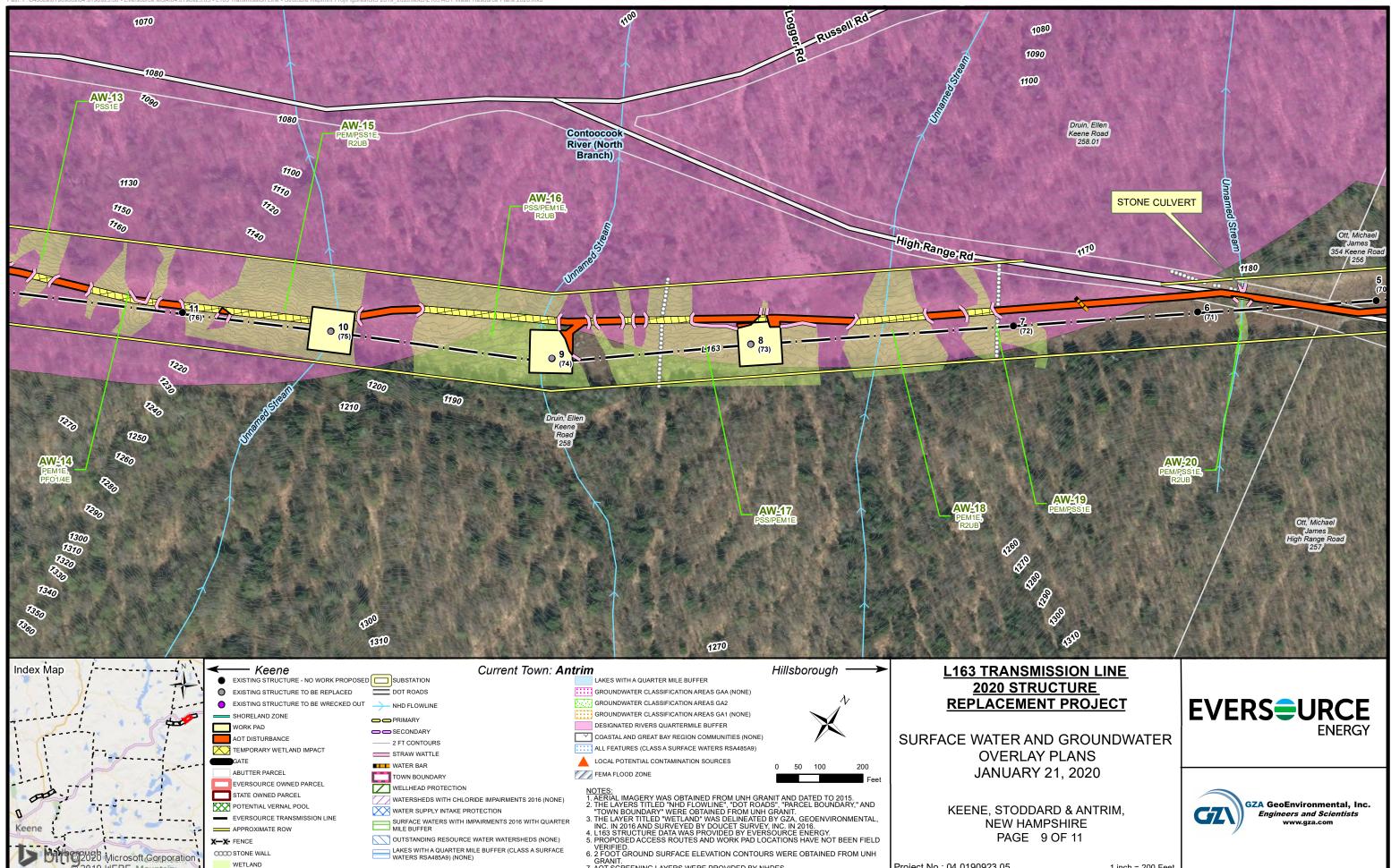
COCCO STONE WALL

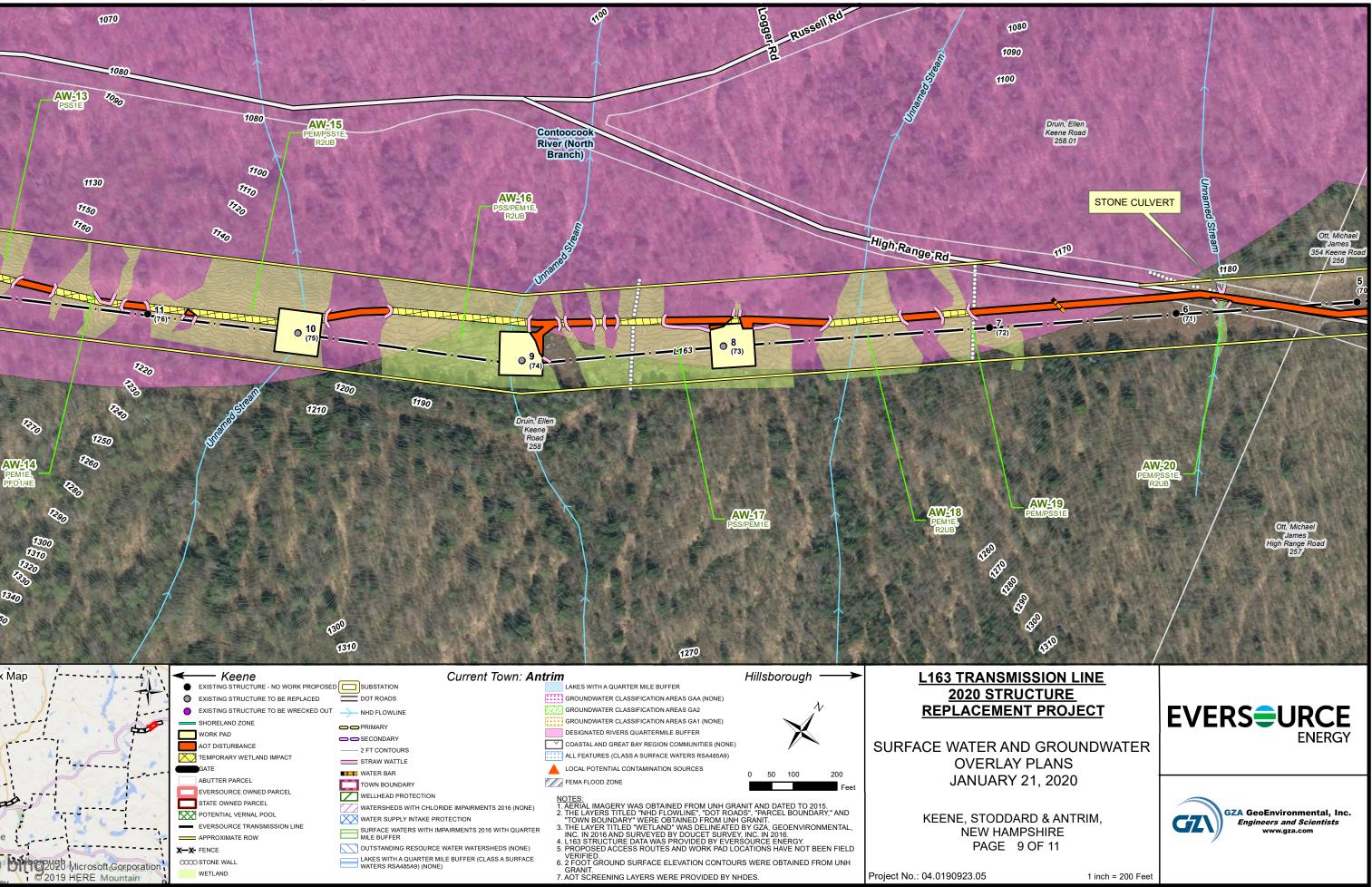
WETLAND

Project No.: 04.0190923.05

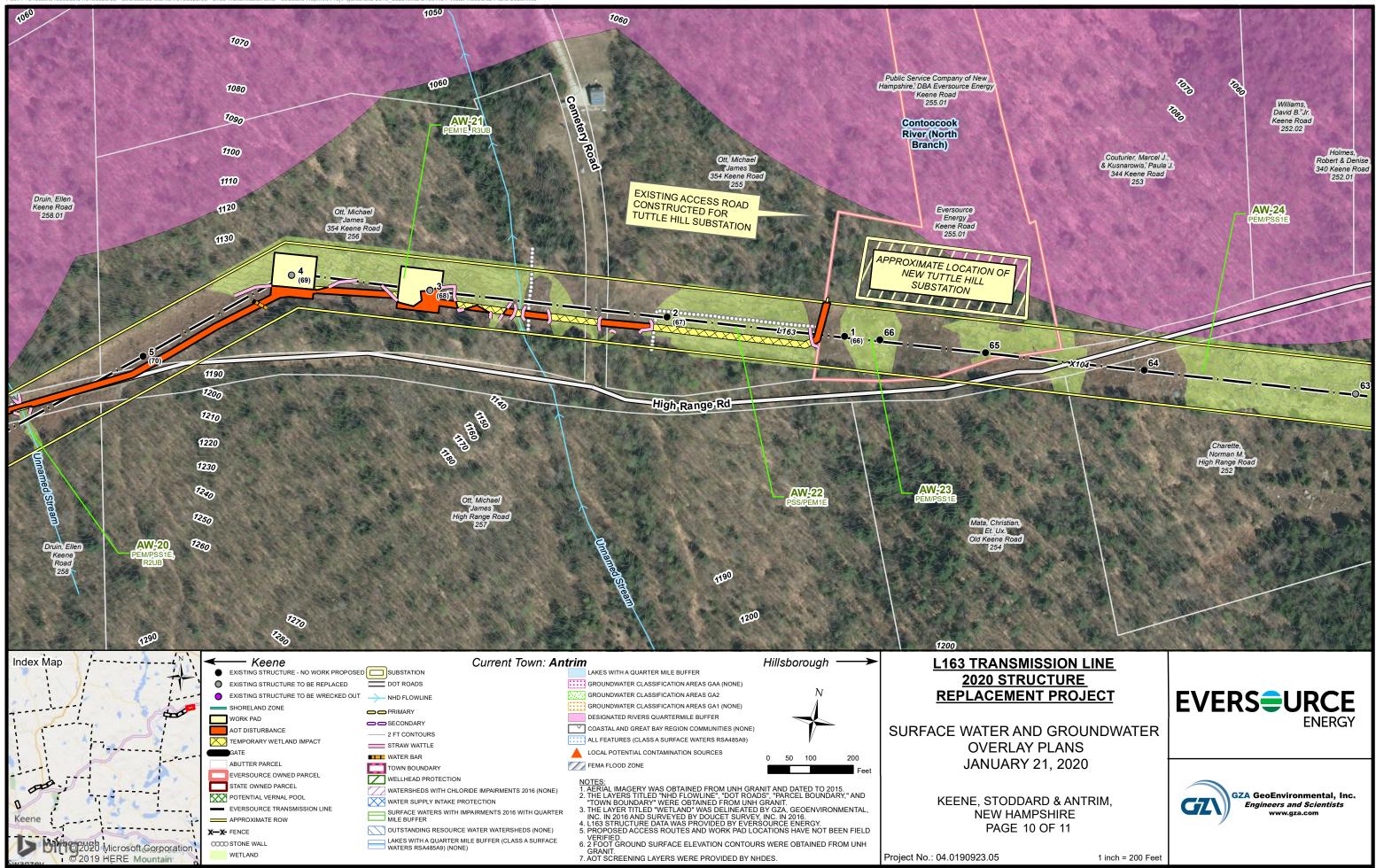
1 inch = 200 Feet



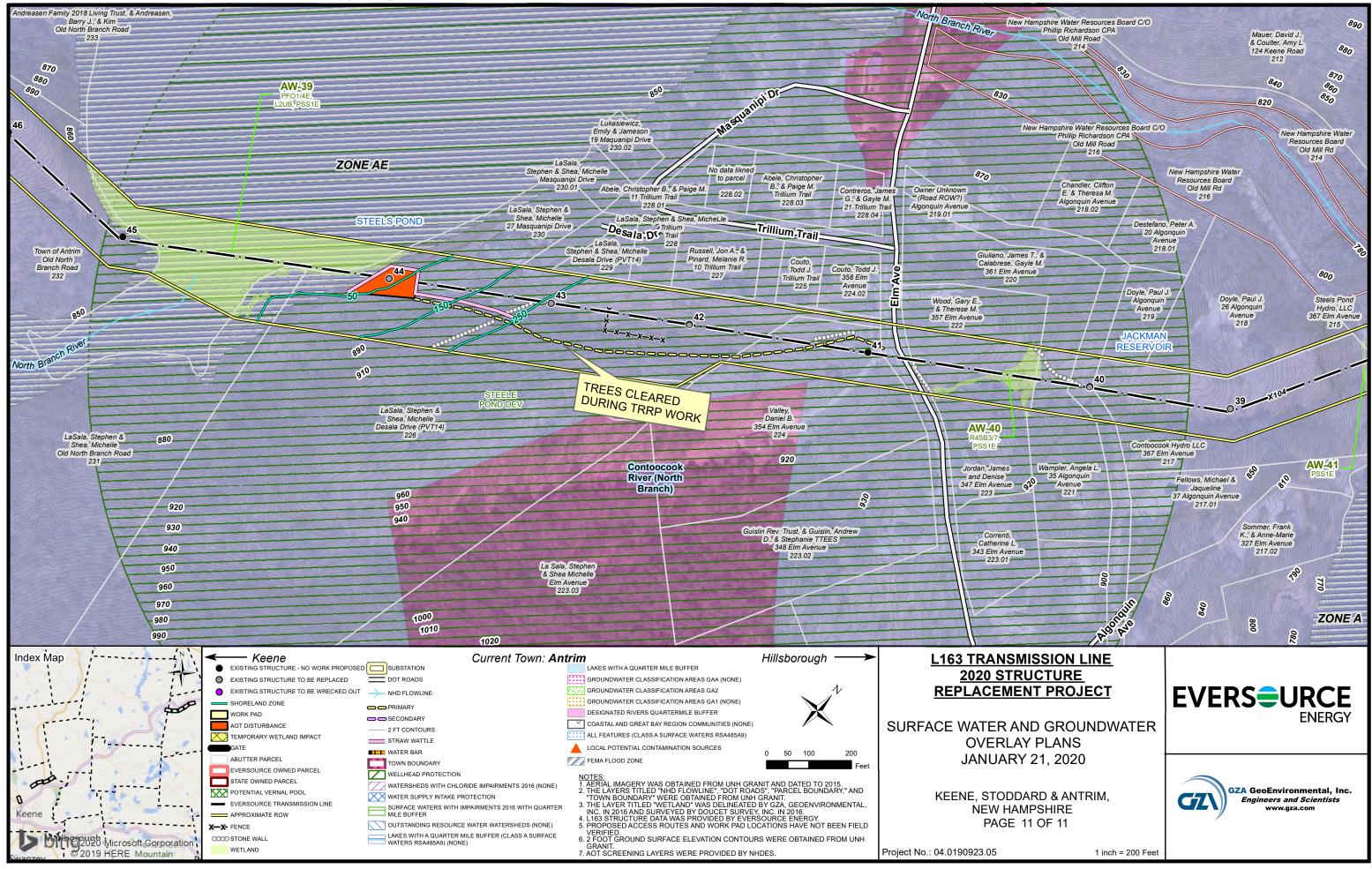








Path: P:\04Jobs\0190900s\04.0190923.00 - Eversource MSA\04.0190923.05 - L163 Transmission Line - Structure Replmnt Proj\Figures\GIS 2019_2020\MXD\L163 AOT Water Resource Plans 2020.mxd



CONSTRUCTION SEQUENCE:

- . WETLAND BOUNDARIES TO BE CLEARLY MARKED PRIOR TO THE START OF CONSTRUCTION.
- 2. SEDIMENT AND EROSION CONTROL MEASURES SHALL BE INSTALLED IN ACCORDANCE WITH THE DETAIL PROVIDED, AS NFCFSSARY
- 3. WETLAND IMPACTS ASSOCIATED WITH WETLAND CROSSINGS ARE REQUIRED FOR ACCESS BETWEEN STRUCTURES WITHIN THE RIGHT OF WAY. CONSTRUCTION ACTIVITIES SHALL OCCUR DURING PERIODS OF LOW FLOW.
- ADEQUATE PRECAUTION SHALL BE EXERCISED TO AVOID SPILLAGE OF FUEL OILS, CHEMICALS, OR SIMILAR SUBSTANCES: NO FUELS, LUBRICANTS, CHEMICALS OR SIMILAR SUBSTANCES SHALL BE STORED BENEATH TREES OR IN THE VICINITY OF ANY WETLANDS, RIVER, STREAM OR OTHER BODY OF WATER; OR IN THE VICINITY OF NATURAL OR MAN-MADE CHANNELS LEADING THERETO. NO POWER EQUIPMENT SHALL BE STORED, MAINTAINED, OR FUELED IN ANY AREA ADJACENT TO A WETLAND, RIVER, STREAM OR OTHER BODY OF WATER.
- REMOVE COMPLETELY ALL CONTAMINATION FROM ANY SPILLAGE OF CHEMICALS OR PETROLEUM PRODUCT WITH COMPLETE REHABILITATION OF THE AFFECTED AREA.
- ACCESS ROUTES HAVE BEEN SELECTED TO PREVENT DEGRADATION OF THE RIGHT-OF-WAY AND MINIMIZE ENVIRONMENTAL IMPACT. ALL OPERATIONS SHALL BE CONFINED TO THE SPECIFIED ACCESS ROUTES WITHIN THE PROPOSED WETLAND IMPACT AREA. ALL ACCESS ROUTES SHALL NOT EXCEED A 16 FOOT-WIDTH.
- . IMPACT TO VEGETATION WITHIN WETLANDS WILL BE LIMITED TO THE EXTENT NECESSARY TO PLACE THE SWAMP MATS WHERE REQUIRED.
- 8. ALL LOW GROWING VARIETIES OF VEGETATION ADJACENT TO WETLANDS SHALL BE PRESERVED TO THE EXTENT POSSIBLE. STUMPS AND ROCKS SHALL NOT BE REMOVED, AND THERE SHALL BE NO EXCAVATIONS, FILLS OR GRADING DONE ADJACENT TO WETLANDS, UNLESS MINOR EXCAVATIONS IS NEEDED FOR ACCESS.
- . SWAMP MATS WILL BE USED ALONG ALL ACCESS ROUTES WITHIN WETLAND AREAS. THESE MATS ARE CONSTRUCTED OF HEAVY TIMBERS OR COMPOSITE MATERIAL, BOLTED TOGETHER, AND ARE PLACED END-TO-END IN THE WETLAND TO SUPPORT HEAVY EQUIPMENT. ALL SWAMP MATS SHALL BE PLACED AND REMOVED SO AS NOT TO CAUSE ANY RUTS, CHANNELS OR DEPRESSIONS, OR OTHERWISE CAUSE ANY UNDUE DISTURBANCE TO WETLANDS.
- 10. IF SWAMP MAT BMP IS NOT SUFFICIENT DUE TO HIGH WATER, ADDITIONAL BMP'S MAY INCLUDE THE PLACEMENT OF GEOTEXTILE FABRIC, 3"-4" STONE, AND GRAVEL TO PROVIDE A SUITABLE ROAD BED. A TEMPORARY CULVERT MAY BE REQUIRED IN AREAS OF HIGH FLOW TO MAINTAIN HYDROLOGIC CONNECTIVITY. ALL MATERIAL WILL BE REMOVED FROM JURISDICTIONAL AREAS AFTER CONSTRUCTION COMPLETION.
- NO MATERIAL SHALL BE PLACED IN ANY LOCATION OR IN ANY MANNER SO AS TO IMPAIR SURFACE WATER FLOW INTO, THROUGH OR OUT OF ANY WETLAND AREA. NO INSTALLATION SHALL CREATE AN IMPOUNDMENT THAT WILL IMPEDE THE FLOW OF WATER OR CAUSE FLOODING.
- 12. NO MATERIAL SHALL BE TAKEN FROM THE WETLANDS AREA EXCEPT THAT WHICH MUST NECESSARILY BE REMOVED FOR THE STRUCTURE OR FOUNDATION PLACEMENT OR STABILIZATION. ALL EXCESS MATERIAL TAKEN FROM THE WETLAND WILL BE REMOVED FROM THE SITE.
- 13. ANY PROPOSED SUPPORT FILLS SHALL BE CLEAN GRAVEL AND STONE, FREE OF WASTE METAL PRODUCTS, ORGANIC MATERIALS AND SIMILAR DEBRIS AND SHALL NOT EXCEED THE AMOUNT PERMITTED. THIS ALLOWABLE FILL IS THE ONLY FILL THAT MAY REMAIN IN THE WETLAND AFTER CONSTRUCTION. ALL CUT AND FILLS SLOPES SHALL BE SEEDED/LOAMED WITHIN 72 HOURS OF ACHIEVING FINISHED GRADE.
- 14. INSTALL NEW POLES IN THE LOCATIONS DESIGNATED ON THE PERMITTING PLANS.
- 15. CABLE INSTALLATION WILL BE PERFORMED IN A MANNER SO AS TO AVOID, OR LIMIT TO THE MAXIMUM EXTENT POSSIBLE, TRAVERSING WETLANDS WITH HEAVY EQUIPMENT. IN SOME CASES, A HELICOPTER MAY BE USED DURING THE INSTALLATION TO MINIMIZE IMPACTS.
- 16. REMOVAL OF THE OLD POLE WILL OCCUR ONCE THE CABLE HAS BEEN INSTALLED ON THE NEW STRUCTURE. THE OLD STRUCTURES WILL BE REMOVED FROM THE SITE. POLES WILL BE CUT AT THE GROUND SURFACE. FOOTINGS WILL BE ABANDONED IN PLACE TO MINIMIZE IMPACTS.
- 17. ALL SWAMP MATS, MATERIAL, AND DEBRIS WILL BE REMOVED FROM THE WORK AREA UPON THE COMPLETION OF CONSTRUCTION.
- 18. UPLAND DISTURBED AREAS SHALL BE RESTORED AND STABILIZED UPON COMPLETION OF CONSTRUCTION. WORK PAD RESTORATION SHOULD INCLUDE REDUCING THE WORK PAD TO A 30 BY 60 FOOT AREA, AND REDUCING SLOPES TO A MAXIMUM OF 25%. STOCKPILED MATERIAL SHOULD BE SPREAD TO REDUCE ANY UNNECESSARY SLOPES. GRAVEL WORK PADS AND SLOPES SHOULD BE SCARIFIED TO A MINIMUM OF 3" BEFORE SPREADING TOPSOIL/LOAM.
- 19. ALL TEMPORARY WETLAND IMPACTS WILL BE RE-GRADED TO ORIGINAL CONTOURS FOLLOWING CONSTRUCTION. NEW ENGLAND EROSION CONTROL/RESTORATION MIX. AVAILABLE THROUGH NEW ENGLAND WETLAND PLANTS. INC., 820 WEST STREET, AMHERST, MA 01002, 413-548-8000, OR EQUIVALENT SEED MIX SHALL BE APPLIED IN WETLAND AREAS THAT ARE NOT INUNDATED, AS NECESSARY.
- 20. SEDIMENT AND EROSION CONTROL MEASURES WILL BE EVALUATED AND REMOVED IF NECESSARY UPON THE COMPLETION OF CONSTRUCTION.

WINTER CONSTRUCTION NOTES

- ALL PROPOSED VEGETATED AREAS WHICH DO NOT EXHIBIT A MINIMUM OF 85% VEGETATIVE GROWTH BY OCTOBER 15TH, OR WHICH ARE DISTURBED AFTER OCTOBER 15TH, SHALL BE STABILIZED. STABILIZATION METHODS SHALL INCLUDE SEEDING AND MULCH, AND INSTALLATION OF EROSION CONTROL BLANKETS ON SLOPES GREATER THAN 3:1, AND SEEDING AND PLACING 3 TO 4 TONS OF MULCH PER ACRE, SECURED WITH ANCHORED NETTING, ELSEWHERE. THE INSTALLATION OF EROSION CONTROL BLANKETS OR MULCH AND NETTING SHALL NOT OCCUR OVER ACCUMULATED SNOW OR FROZEN GROUND AND SHALL BE COMPLETED IN ADVANCE OF THAW OR SPRING MELT FVFNTS.
- ALL DITCHES OR SWALES WHICH DO NOT EXHIBIT A MINIMUM OF 85% VEGETATIVE GROWTH BY OCTOBER 15TH. OR WHICH ARE DISTURBED AFTER OCTOBER 15TH, SHALL BE TEMPORARILY STABILIZED WITH STONE OR EROSION CONTROL BLANKETS APPROPRIATE FOR THE DESIGN FLOW CONDITIONS.

GENERAL NOTES:

- EVERSOURCE ENERGY 13 LEGENDS DRIVE OWNER: HOOKSETT, NH 03106
- 1. BASE PLAN PROVIDED BY EVERSOURCE ENERGY. EVERSOURCE ENERGY PROVIDED THE WETLAND DATA. EVERSOURCE ENERGY PROVIDED THE UTILITY DESIGN.
- 2. JURISDICTIONAL WETLANDS WERE DELINEATED BY TIGHE AND BOND IN 2018, IN ACCORDANCE WITH THE 1987 U.S. ARMY CORPS OF ENGINEERS' "WETLANDS DELINEATION MANUAL, TECHNICAL REPORT Y-87-1," AND REGIONAL SUPPLEMENT TO THE CORPS OF ENGINEERS WETLAND DELINEATION MANUAL: NORTH CENTRAL AND NORTHEAST REGION," JANUARY 2012. WETLANDS WERE REVIEWED BY GZA GEOENVIRONMENTAL, INC. IN JANUARY AND FEBRUARY 2019.
- 4. GZA PERFORMED A WETLANDS FUNCTION AND VALUES ASSESSMENT IN ACCORDANCE WITH THE ACOE'S "HIGHWAY METHODOLOGY WORKBOOK SUPPLEMENT," SEPTEMBER 1999, IN THE TOWN OF STRAFFORD.
- 6. THE PROJECT WILL BE MANAGED IN A MANNER THAT MEETS THE REQUIREMENTS AND INTENT OF RSA 430:53 AND CHAPTER AGR 3800 RELATIVE TO INVASIVE SPECIES.
- 7. IN ACCORANCE WITH ENV-WQ 1505.02, THE SMALLEST PRACTICAL AREA SHALL BE DISTURBED DURING CONSTRUCTION, BUT IN NO CASE SHALL EXCEED 5 ACRES AT ANY ONE TIME BEFORE DISTURBED AREAS ARE STABILIZED. AN AREA SHALL BE CONSIDERED STABLE IF ONE OF THE FOLLOWING HAS OCCURRED:
 A MINIMUM 85 PERCENT VEGETATED GROWTH HAS BEEN ESTABLISHED
 A MINIMUM OF 3 INCHES OF NON-EROSIVE MATERIAL HAS BEEN INSTALLED
 OR, EROSION CONTROL BLANKETS HAVE BEEN PROPERLY INSTALLED.

8. ALL AREAS SHALL BE STABILIZED WITH 45 DAYS OF INITIAL DISTURBANCE.

EROSION CONTROL NOTES:

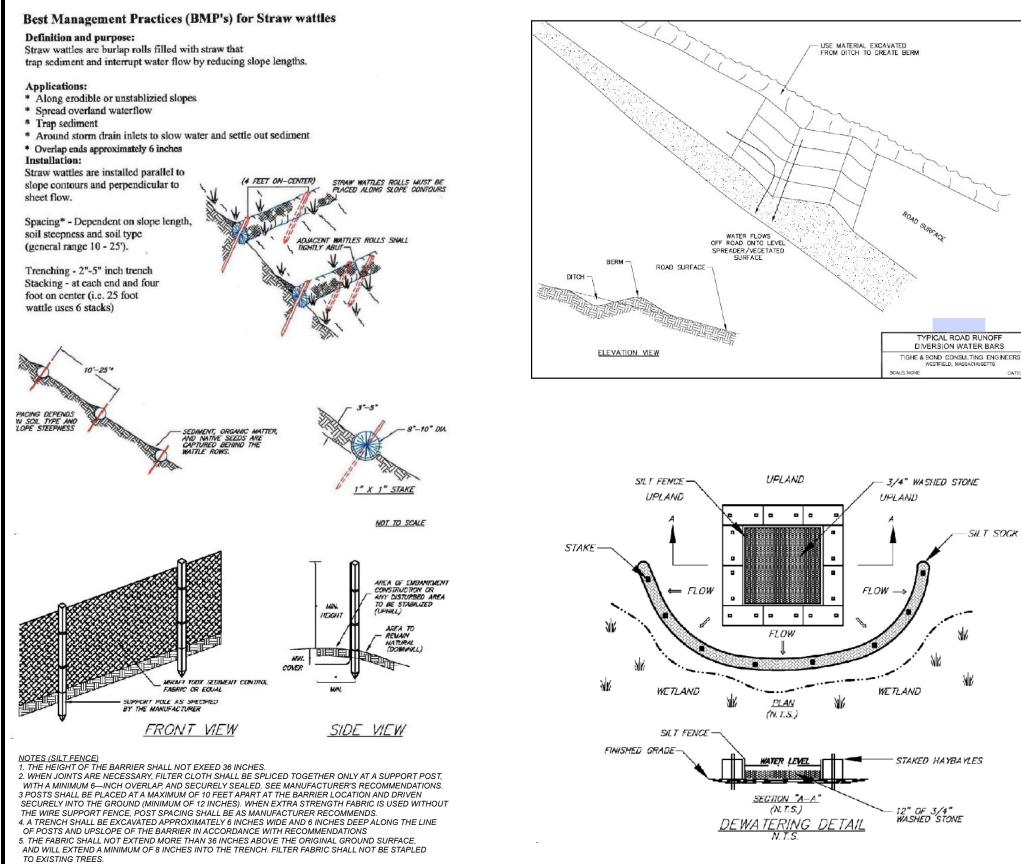
- 1. INSTALLATION OF EROSION CONTROL GRINDINGS AND/OR SILT FENCES SHALL BE COMPLETE PRIOR TO THE START OF WORK IN ANY GIVEN AREA. EROSION CONTROLS SHALL BE USED DURING CONSTRUCTION AND REMOVED WHEN ALL SLOPES HAVE A HEALTHY STAND OF VEGETATION COVER. EROSION CONTROL MEASURES SHALL BE INSPECTED ON A WEEKLY BASIS AND AFTER .25" OR GREATER RAINFALL EVENTS.
- 2. AS REQUIRED, CONSTRUCT TEMPORARY BERMS, SILTATION FENCES, SEDIMENT TRAPS, ETC. TO PREVENT **EROSION & SEDIMENTATION OF WETLANDS.**
- 3. THE WORK AREA SHALL BE GRADED AND OTHERWISE SHAPED IN SUCH A MANNER AS TO MINIMIZE SOIL EROSION, SILTATION OF DRAINAGE CHANNELS, DAMAGE TO EXISTING VEGETATION, AND DAMAGE TO PROPERTY OUTSIDE LIMITS OF THE WORK AREA. EROSION CONTROL GRINDINGS WILL BE NECESSARY TO ACCOMPLISH THIS END.
- 4. ANY STRIPPED TOPSOIL SHALL BE STOCKPILED, WITHOUT COMPACTION, AND STABILIZED AGAINST EROSION, AS NECESSARY.
- 5. PERMANENT OR TEMPORARY COVER MUST BE IN PLACE BEFORE THE GROWING SEASON ENDS. WHEN SEEDED AREAS ARE NOT MULCHED, PLANTINGS SHOULD BE MADE FROM EARLY SPRING TO MAY 20 OR FROM AUGUST 15 TO SEPTEMBER 15. NO DISTURBED AREA SHALL BE LEFT EXPOSED DURING WINTER MONTHS, PLANT ANNUAL RYEGRASS PRIOR TO OCTOBER 15TH.
- 6. EROSION CONTROLS SHALL BE INSPECTED WEEKLY AND AFTER EVERY HALF-INCH OF RAINFALL.

3. AFTER NOVEMBER 15TH, INCOMPLETE ROAD OR PARKING SURFACES, WHERE WORK HAS STOPPED FOR THE WINTER SEASON, SHALL BE PROTECTED WITH A MINIMUM OF 3 INCHES OF CRUSHED GRAVEL (NHDOT 304.3).

3. GZA EVALUATED WETLANDS AS POTENTIAL VERNAL POOLS ON FEBRUARY 6, 12, AND 15, 2019 IN ACCORDANCE WITH "IDENTIFICATION AND DOCUMENTATION OF VERNAL POOLS IN NEW HAMPSHIRE," 1997, NEW HAMPSHIRE FISH AND GAME DEPARTMENT, NONGAME AND ANDANGERED WILDLIFE PROGRAM.

5. SITE PLAN IS FOR PERMITTING PURPOSES ONLY AND DOES NOT REPRESENT A PROPERTY BOUNDARY SURVEY.

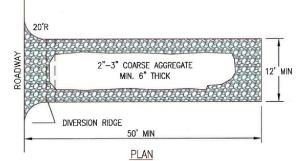
UNLESS SPECIFICALLY STATED BY WRITTEN AGREEMENT. THIS DRAWING IS THE SOLE PROPERTY OF GZA GEOENVIRONMENTAL INC. (GZA). THE INFORMATION SYNOWN ON THE DRAWING IS SOLELY FOR THE USE BY GZAS LIENT OR THE CLENTS DESIGNATED REPRESENTATIVE FOR THE SPECIFIC PROJECT AND LOCATION IDENTIFIED ON THE DRAWING. THE DRAWING SHALL NOT BE TRANSFERRED, REUSED, COPIED, OR ALTERED IN ANY MAINTEN FOR USE AT ANY OTHER LOCATION OR FOR ANY OTHER PURPOSE WITHOUT THE PRIOR WRITTEN CONSENT OF GZA, ANY TRANSFER, REUSE, OR MODIFICATION TO THE DRAWING BY THE CLENT OR OTHERS, WITHOUT THE PRIOR WRITTEN EXPRESS CONSENT OF GZA. WILL BE AT THE USER'S SOLE RISK AND WITHOUT ANY RISK OR LIABILITY TO GZA.					
L163 TRANSMISSION LINE STRUCTURE REPLACEMENT PROJECT					
KEENE, STODDARD, AND ANTRIM NEW HAMPSHIRE					
	NOTES				
PREPARED BY:		PREPARED FOR:			
GZA GeoEnvironmental, Inc. Engineers and Scientists www.gza.com		EVERS			
PROJ MGR: AJD	REVIEWED BY: LEW	CHECKED BY: DMZ	SHEET		
DESIGNED BY: MJD	DRAWN BY: MJD	SCALE:	A		
DATE:	PROJECT NO.	REVISION NO.] 1		
01/16/2020	04.0190923.05		1 OF 3		



6. THE TRENCH SHALL BE BACKFILLED AND THE SOIL COMPACTED OVER THE FILTER FABRIC. 7. FABRIC BARRIERS SHALL BE REMOVED WHEN THEY HAVE SERVED THEIR USEFUL PURPOSE, BUT NOT BEFORE THE UPSLOPE AREA HAS BEEN PERMANENTLY STABILIZED. 8. FILTER BARRIERS SHALL BE INSPECTED IMMEDIATELY AFTER EACH RAINFALL AND AT LEAST ONCE

 FILTER BARRIERS SHALL BE INSPECTED IMMEDIATELY AFTER EACH RAINFALL AND AT LEAST ONCE DAILY DURING PROLONGED RAINFALL AND ANY REQUIRED REPAIRS SHALL BE MADE IMMEDIATELY.
 SHOULD THE FABRIC DECOMPOSE OR BECOME INEFFECTIVE PRIOR TO THE END OF THE EXPECTED USABLE LIFE AND THE BARRIER STILL BE NECESSARY, THE FABRIC SHALL BE REPLACED PROMPTLY.
 SEDIMENT DEPOSITS SHOULD BE REMOVED WHEN THEY REACH APPROXIMATELY ONE—HALF THE HEIGHT OF THE BARRIER

11. ANY SEDIMENT DEPOSITS REMAINING IN PLACE AFTER THE SILT FENCE OR FILTER BARRIER IS NO LONGER REQUIRED SHALL BE DRESSED TO CONFORM TO THE EXISTING GRADE, PREPARED AND SEEDED.



NOTES:

1. THE ENTRANCE SHALL BE MAINTAINED IN A CONDITION THAT WILL PREVENT TRACKING OR FLOWING OF SEDIMENT ONTO PUBLIC RIGHT-OF-WAYS. THIS MAY REQUIRE TOP DRESSING, REPAIR AND/OR CLEANOUT OF ANY MEASURES USED TO TRAP SEDIMENT.

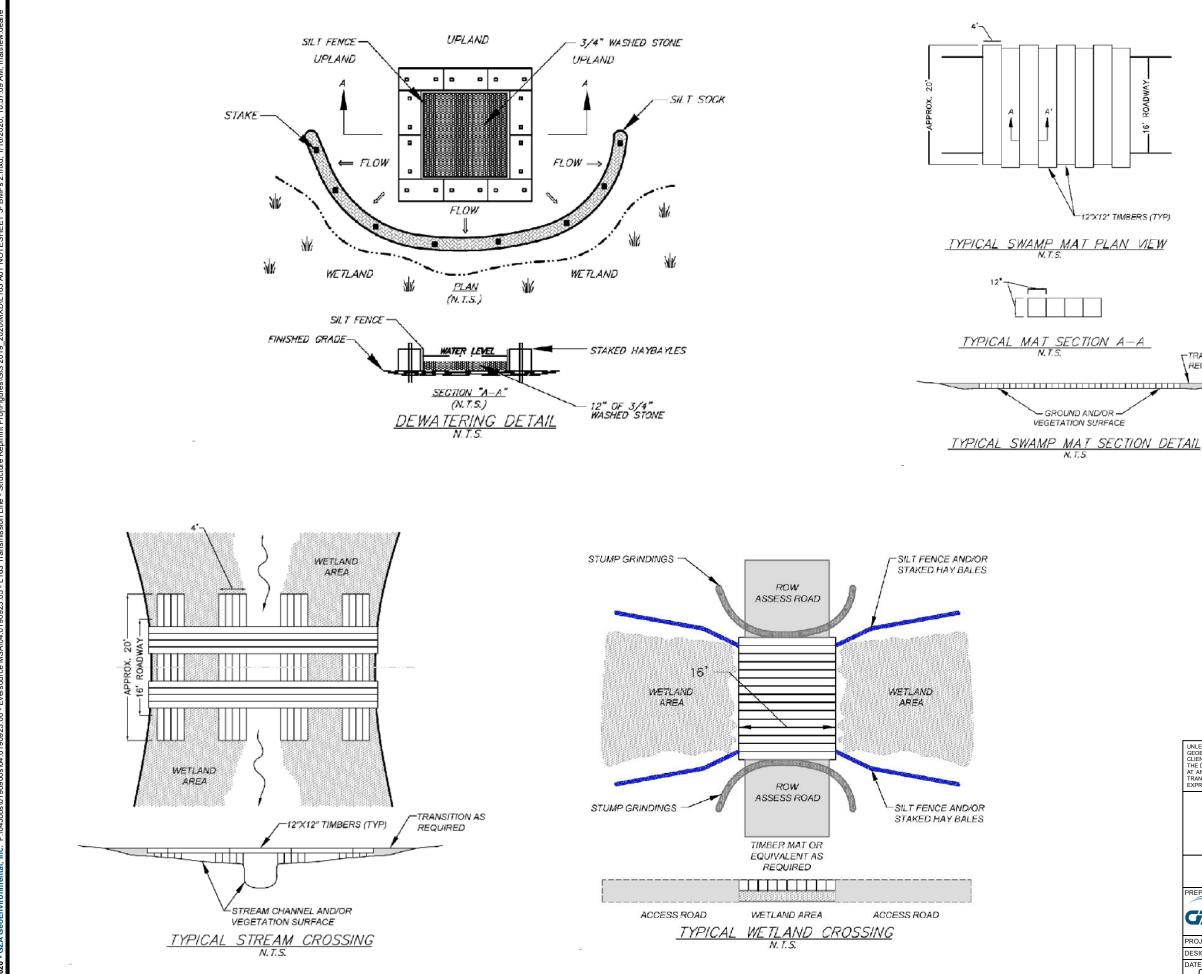
2. WHEN NECESSARY, WHEELS SHALL BE CLEANED PRIOR TO ENTRANCE ONTO PUBLIC RIGHT-OF-WAY.

CONSTRUCTION ENTRANCE

NOT TO SCALE

Figure 5

GEOENVIRONMENTAL, INC. (CLIENT OR THE CLIENT'S DE THE DRAWING. THE DRAWING AT ANY OTHER LOCATION O TRANSFER, REUSE, OR MOD	GZA). THE INFORMATION SHO SIGNATED REPRESENTATIVE F 3 SHALL NOT BE TRANSFERREI 0R FOR ANY OTHER PURPOSI IFICATION TO THE DRAWING E	INT, THIS DRAWING IS THE WN ON THE DRAWING IS SOL OR THE SPECIFIC PROJECT AI D, REUSED, COPIED, OR ALTER E WITHOUT THE PRIOR WRIT Y THE CLIENT OR OTHERS, W RISK AND WITHOUT ANY RISK (ELY FOR THE USE BY GZA'S ND LOCATION IDENTIFIED ON RED IN ANY MANNER FOR USE TEN CONSENT OF GZA, ANY ITHOUT THE PRIOR WRITTEN	
L163 TRANSMISSION LINE STRUCTURE REPLACEMENT PROJECT				
KEENE, STODDARD, AND ANTRIM NEW HAMPSHIRE				
BMP DETAILS				
PREPARED BY: GZA GeoEnvironmental, Inc. Engineers and Scientists www.gza.com		PREPARED FOR: EVERS		
PROJ MGR: AJD	REVIEWED BY: LEW	CHECKED BY: DMZ	SHEET	
DESIGNED BY: MJD	DRAWN BY: MJD	SCALE:)	
DATE: 01/16/2020	PROJECT NO. 04.0190923.05	REVISION NO.		

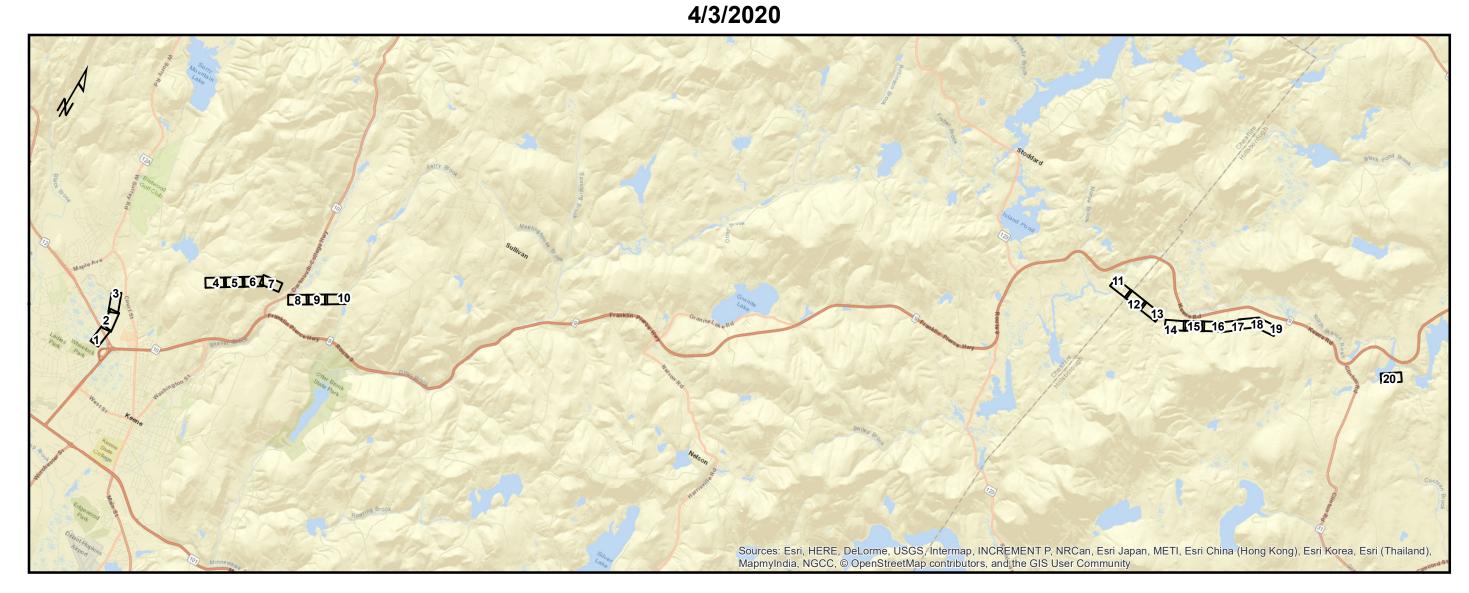


L163 TRANSMISSION LINE STRUCTURE REPLACEMENT PROJECT				
KEENE, STODDARD, AND ANTRIM NEW HAMPSHIRE				
BMP DETAILS				
PREPARED BY: GZA GeoEnvironmental, Inc. Engineers and Scientists www.gza.com		EVERS		
PROJ MGR: AJD	REVIEWED BY: LEW	CHECKED BY: DMZ	SHEET	
DESIGNED BY: MJD	DRAWN BY: MJD	SCALE:		
DATE: 01/16/2020	PROJECT NO. 04.0190923.05	REVISION NO.	5	

UNLESS SPECIFICALLY STATED BY WRITTEN AGREEMENT, THIS DRAWING IS THE SOLE PROPERTY OF GZA GEOENVIRONMENTAL, INC. (GZA), THE INFORMATION SHOWN ON THE DRAWING IS SOLELY FOR THE USE BY GZAS CLIENT OR THE CLIENT'S DESIGNATED REPRESENTATIVE FOR THE SPECIFIC PROJECT AND LOCATION IDENTIFIED ON THE DRAWING. THE DRAWING SHALL NOT BE TRANSFERRED, REUSED, COPIED, OR ALTERED IN ANY MANNER FOR USE AT ANY OTHER LOCATION OR FOR ANY OTHER PURPOSE WITHOUT THE PRIOR WRITTEN CONSENT OF GZA, ANY TRANSFER, REUSE, OR MODIFICATION TO THE DRAWING BY THE CLIENT OR OTHERS, WITHOUT THE PRIOR WRITTEN EXPRESS CONSENT OF GZA, WILL BE AT THE USER'S SOLE RISK AND WITHOUT ANY RISK OR LIABILITY TO GZA.

TRANSITION AS REQUIRED

L163 TRANSMISSION LINE 2020 STRUCTURE REPLACEMENT PROJECT KEENE, STODDARD, AND ANTRIM NEW HAMPSHIRE



PREPARED FOR



INDEX OF FIGURES

1 inch = 7,500 feet

- T1: TITLE SHEET
- 1-20: MAP SHEETS
- S1: NOTES
- S2: DETAILS
- S3: DETAILS (CONT.)



PREPARED BY

GZA GeoEnvironmental, Inc. Engineers and Scientists www.gza.com

1. Prior to daily construction activities, timber matting will be reviewed for snakes and turtles. GZA will provide an environmental addendum to the contractors' daily tailboards which shall include guidance for identification of wood turtle.

2. Observed snakes and turtles will be moved off of construction access roads to limit and prevent mortality to turtles during construction.

3. Erosion control matting containing plastic mesh will be prohibited to limit unintentional mortality of snakes.

4. At the conclusion of the project, a summary report of any rare species observations will be provided to the NHFG Nongame Program.

IF SPOTTED, WOOD OR BLANDING'S TURTLES ARE FOUND LAYING EGGS IN THE WORK AREA, PERSONNEL SHALL IMMEDIATELY CONTACT MELISSA DOPERALSKI AT 271-1738 or JOSH MEGYESY AT 978-578-0802 FOR FURTHER INSTRUCTIONS.

POTENTIAL VERNAL POOL

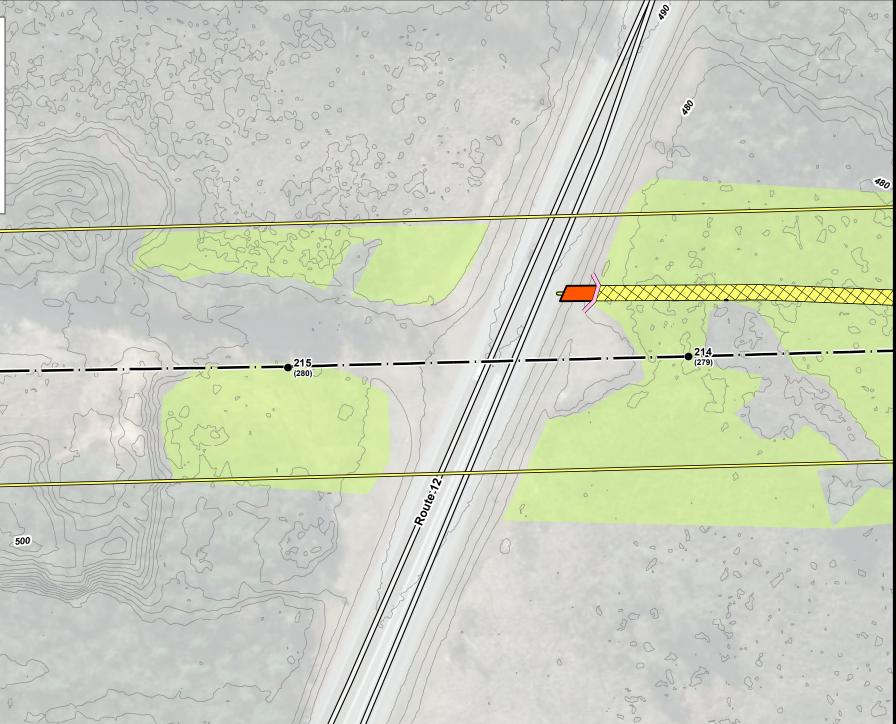
- APPROXIMATE ROW

X-X-X FENCE

© 2020 HERE Mountain

EVERSOURCE TRANSMISSION LINE

216



		STRICE STREET	3 1 11 11 11
ES CONTRACTOR		G. Marsing S. S. S. S.	Route:12
AoT Area A - Keene	- STO	L'ITAS IL TON	4
Structure 214 to 208		500	33 13 11 11 5/1 0
Map Sheets 1 to 3			
Disturbance Type Impact (s	sq. ft)		
New Access 26,45	50		7 7 31 511
Gravel Work Pad 34,87	79		1 151 11
Total AoT Disturbed Area 61,32	<u>9</u>		
Criteria: Env-Wq 1502.58 (b) (2) "An area that, over a 10 year	period	~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~	
cumulatively exceeds 50,000 square feet of contiguous area in			
of the disturbance is within the protected shoreland as define	ed in RSA 483-	o ministriction of the	11 11 11
B"		· sacrona · //	
Index Map	Current Town: Keen	Hillsborough>	L163 TRANSMI
EXISTING STRU	JCTURE - NO WORK PROPOSED 000000 STONE WALL	NOTES:	2020 STRU
EXISTING STRU	JCTURE TO BE REPLACED WETLAND	 AERIAL IMAGERY WAS OBTAINED FROM UNH GRANIT AND DATED TO 2015. 	REPLACEMEN
EXISTING STRU	JCTURE TO BE WRECKED OUT	THE LAYERS TITLED "NHD FLOWLINE", "DOT ROADS", "PARCEL BOUNDARY," AND "TOWN BOUNDARY"	,
WORK PAD	DOT ROADS	WERE OBTAINED FROM UNH GRANIT.	ALTERATION (
AOT DISTURBA		3. THE LAYER TITLED "WETLAND" WAS DELINEATED BY GZA, GEOENVIRONMENTAL, INC. IN 2016 AND	PERMITTIN
		SURVEYED BY DOUCET SURVEY, INC. IN 2016. 4. L163 STRUCTURE DATA WAS PROVIDED BY	APRIL 03
GATE		EVERSOURCE ENERGY. 5. PROPOSED ACCESS ROUTES AND WORK PAD	
CALL CALL	SECONDARY ACCESS		

2 FT CONTOURS

TOWN BOUNDARY

STRAW WATTLE

WATER BAR

LOCATIONS HAVE NOT BEEN FIELD VERIFIED. KEENE, STODDARD & ANTRIM, 6. 2 FOOT GROUND SURFACE ELEVATION CONTOURS WERE OBTAINED FROM UNH GRANIT. **NEW HAMPSHIRE** 200 Project No.: 04.0190923.05 Feet

50

0

100

MISSION LINE RUCTURE INT PROJECT

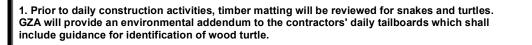
OF TERRAIN ING PLANS 03, 2020

PAGE 1 OF 20



SZA GeoEnvironmental, Inc. Engineers and Scientists www.gza.com

1 inch = 100 Feet



2. Observed snakes and turtles will be moved off of construction access roads to limit and prevent mortality to turtles during construction.

3. Erosion control matting containing plastic mesh will be prohibited to limit unintentional mortality of snakes.

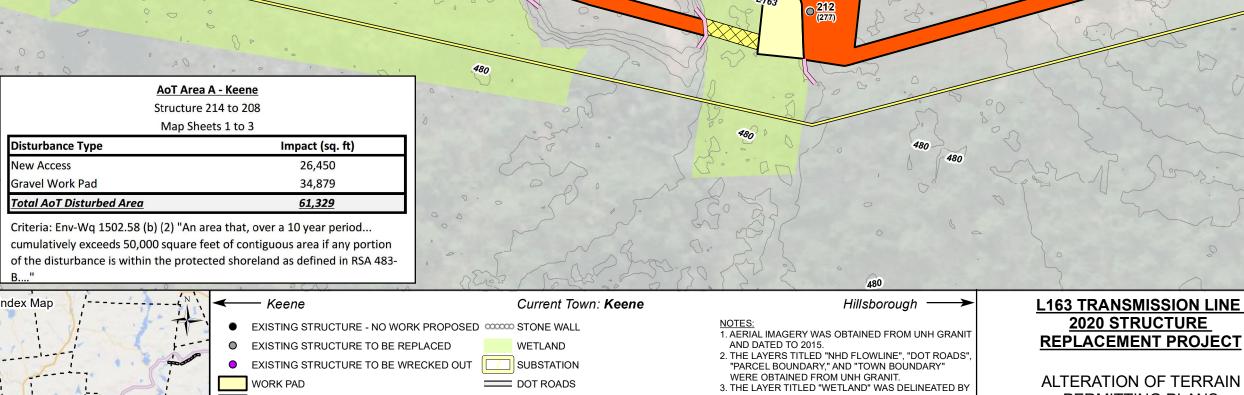
4. At the conclusion of the project, a summary report of any rare species observations will be provided to the NHFG Nongame Program.

480

02020 Microsoft Corporation

2020 HERE Mountai

IF SPOTTED, WOOD OR BLANDING'S TURTLES ARE FOUND LAYING EGGS IN THE WORK AREA PERSONNEL SHALL IMMEDIATELY CONTACT MELISSA DOPERALSKI AT 271-1738 or JOSH MEGYESY AT 978-578-0802 FOR FURTHER INSTRUCTIONS.



480

ALTERATION OF TERRAIN PERMITTING PLANS APRIL 03, 2020

KEENE, STODDARD & ANTRIM, **NEW HAMPSHIRE**

490

480

- EVERSOURCE TRANSMISSION LINE

APPROXIMATE ROW

POTENTIAL VERNAL POOL

X-X-X FENCE

AOT DISTURBANCE AREA

TEMPORARY WETLAND IMPACT

GATE

PRIMARY ACCESS

SECONDARY ACCESS

— 2 FT CONTOURS

STRAW WATTLE WATER BAR

TOWN BOUNDARY

GZA, GEOENVIRONMENTAL, INC. IN 2016 AND SURVEYED BY DOUCET SURVEY, INC. IN 2016. 4. L163 STRUCTURE DATA WAS PROVIDED BY

80

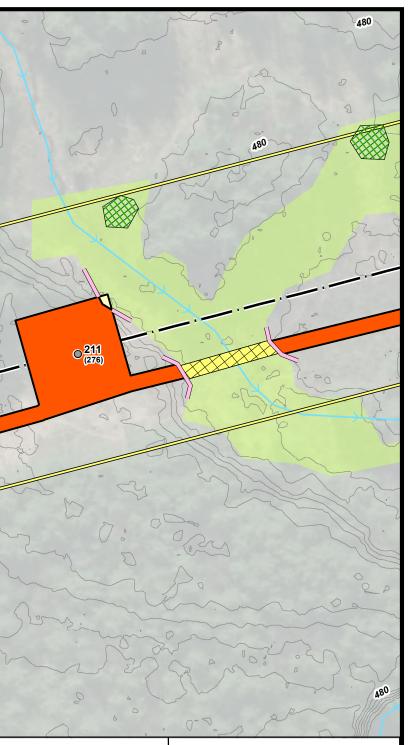
- EVERSOURCE ENERGY.
- 5. PROPOSED ACCESS ROUTES AND WORK PAD LOCATIONS HAVE NOT BEEN FIELD VERIFIED.

0

6. 2 FOOT GROUND SURFACE ELEVATION CONTOURS WERE OBTAINED FROM UNH GRANIT.

> 200 50 100

> > Feet Project No.: 04.0190923.05



2020 STRUCTURE **REPLACEMENT PROJECT**

PAGE 2 OF 20



ZA GeoEnvironmental. Inc. Engineers and Scientists vww.gza.con

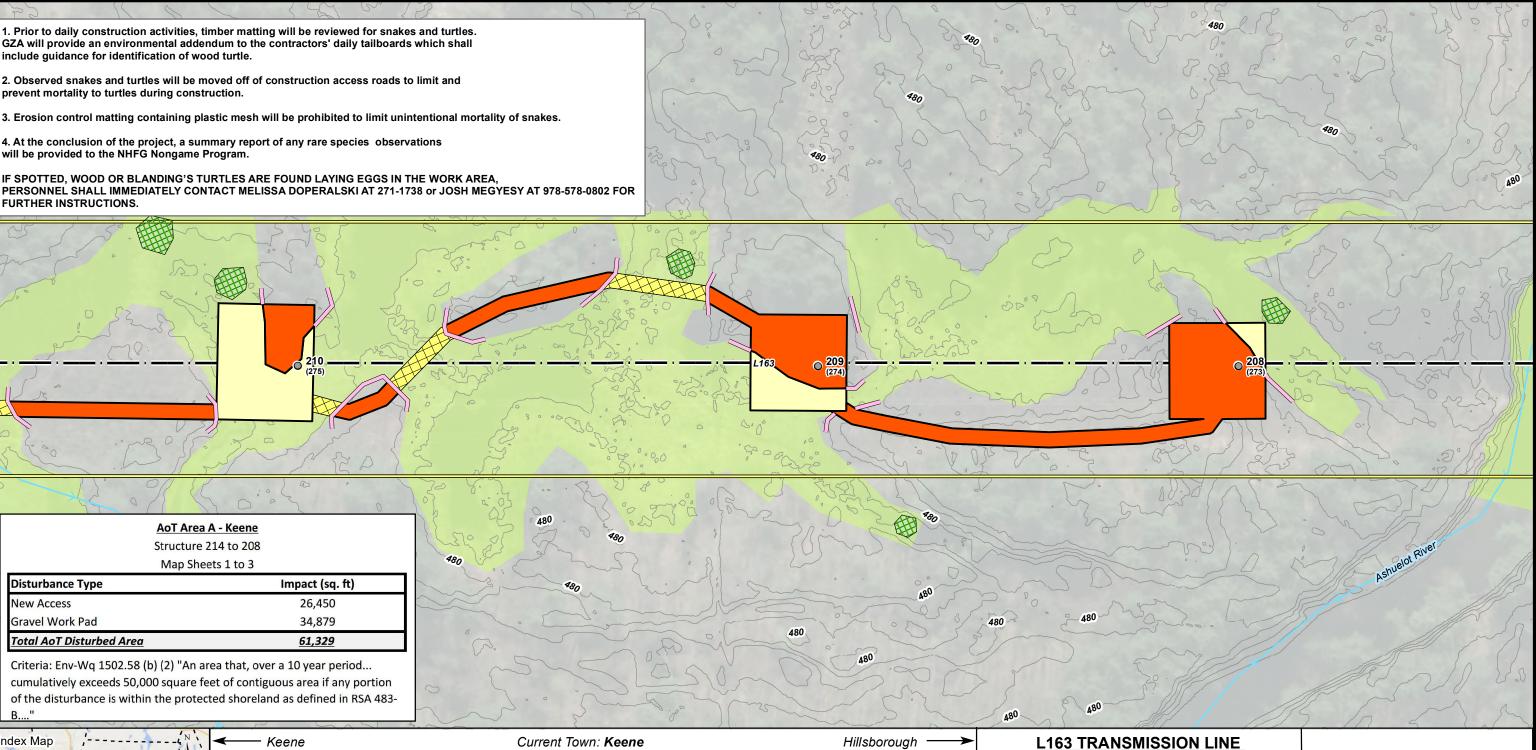
1 inch = 100 Feet

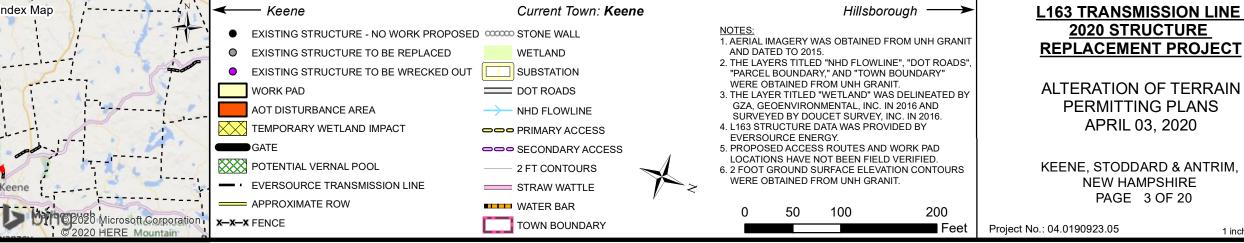
GZA will provide an environmental addendum to the contractors' daily tailboards which shall include guidance for identification of wood turtle.

prevent mortality to turtles during construction.

will be provided to the NHFG Nongame Program.

PERSONNEL SHALL IMMEDIATELY CONTACT MELISSA DOPERALSKI AT 271-1738 or JOSH MEGYESY AT 978-578-0802 FOR FURTHER INSTRUCTIONS.

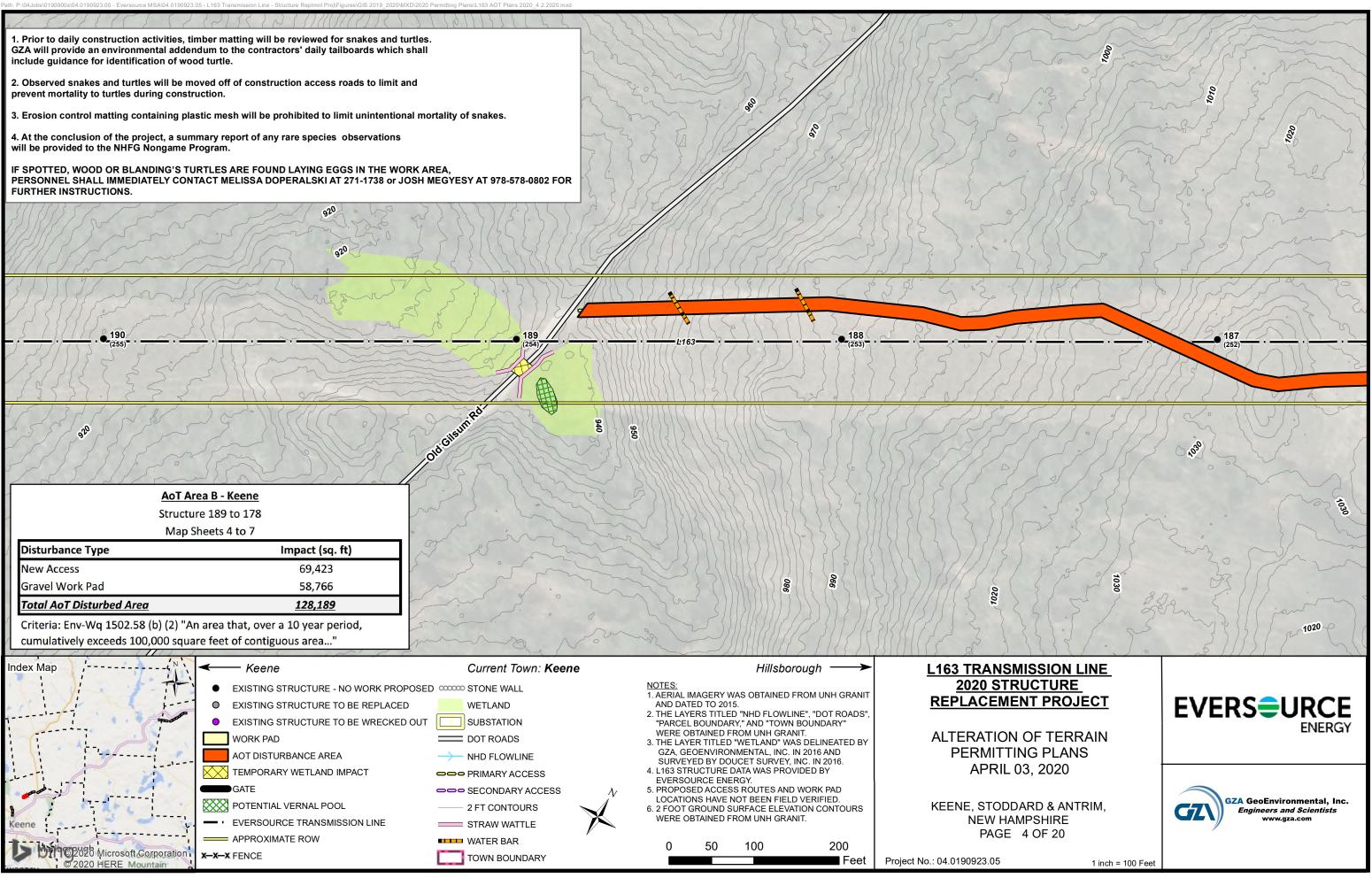


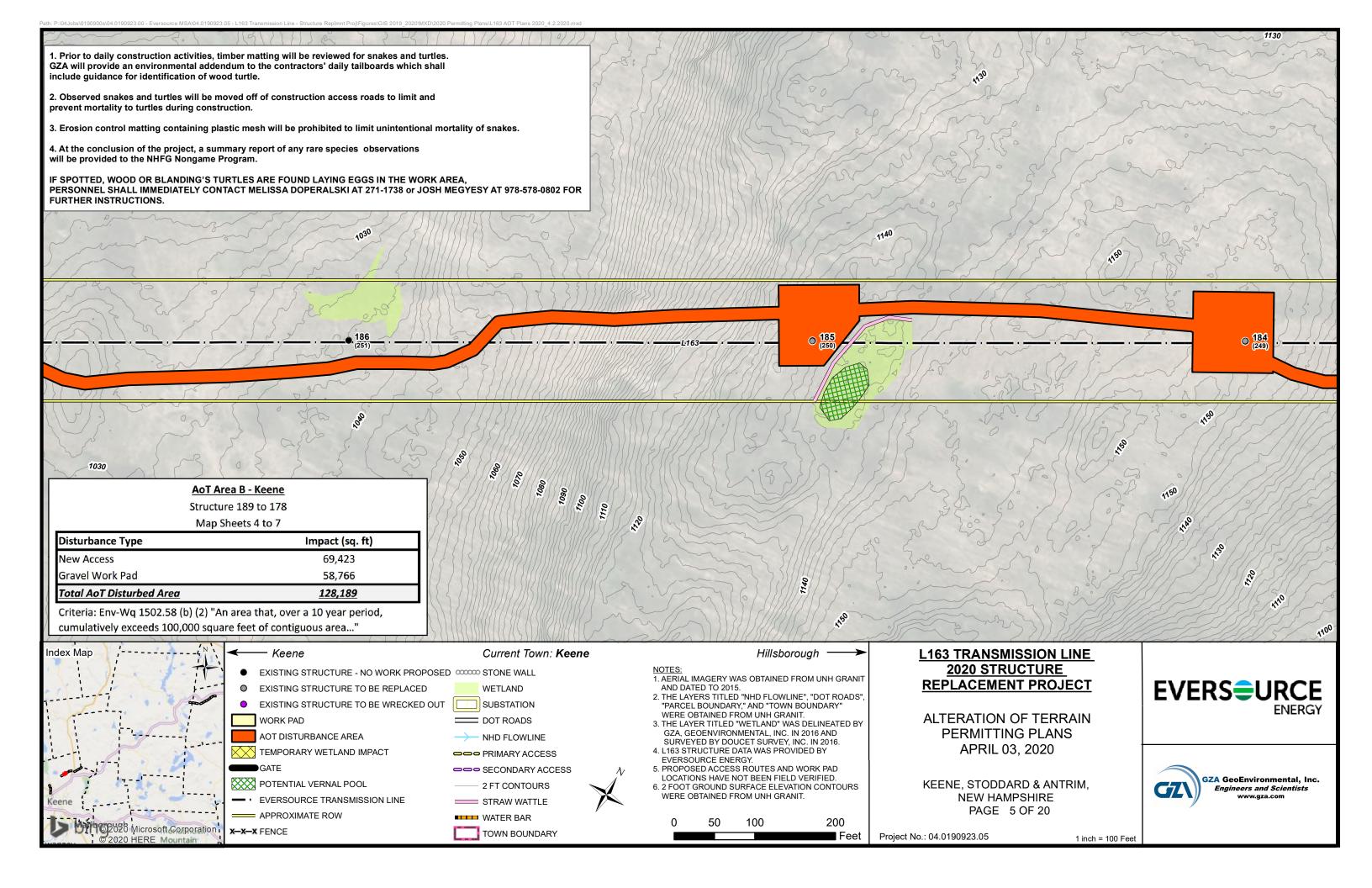


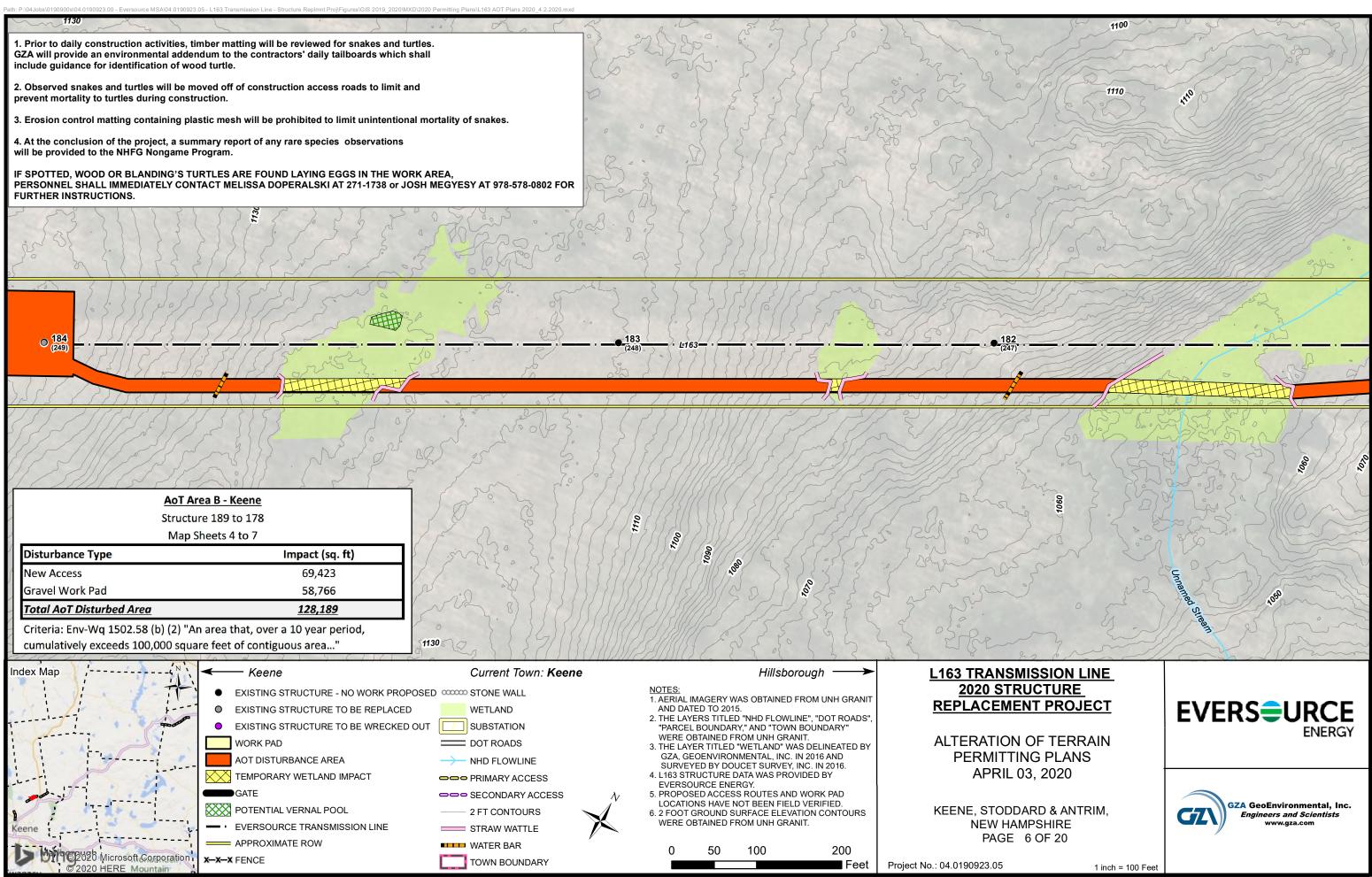


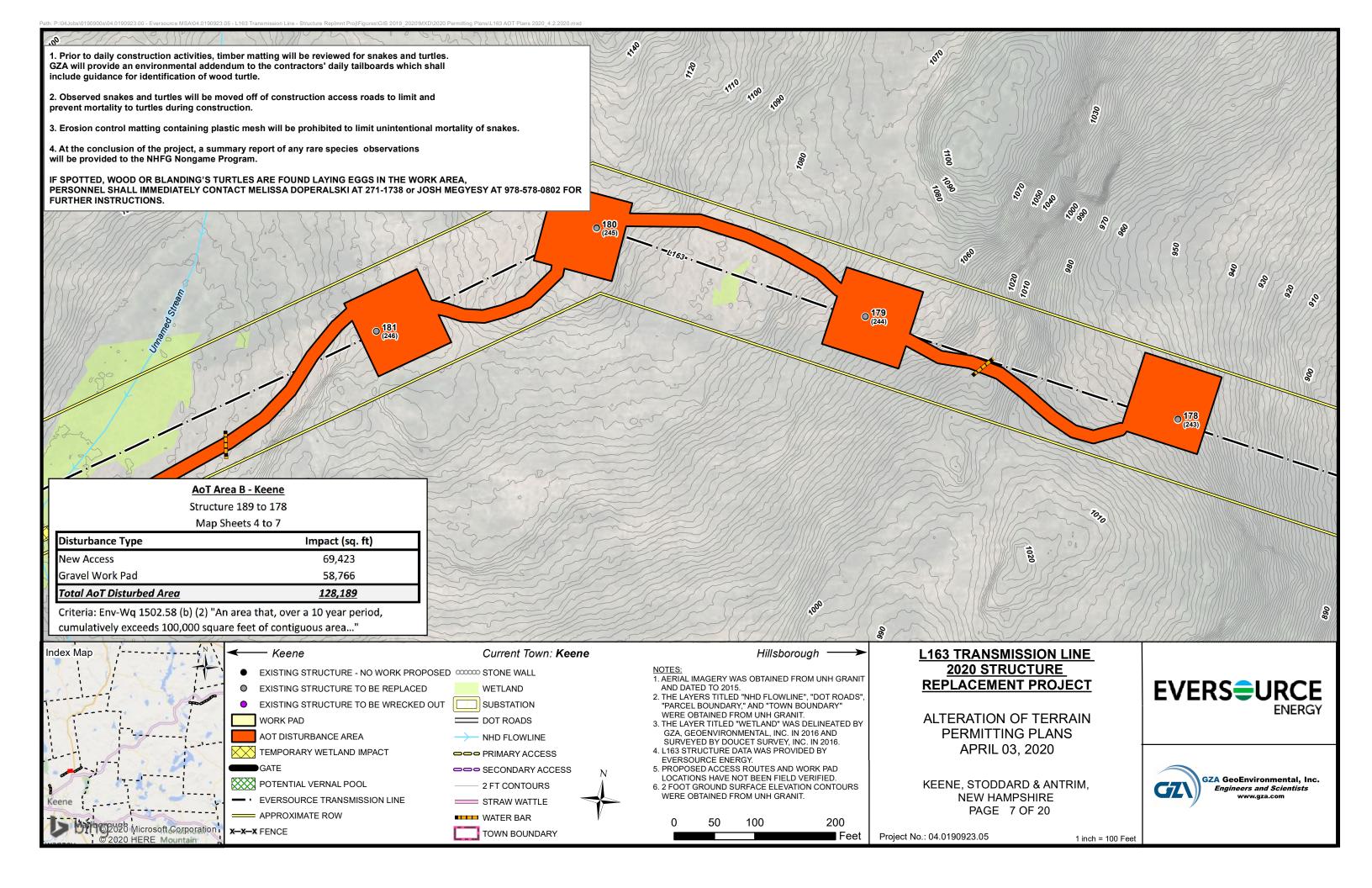
ZA GeoEnvironmental. Inc. Engineers and Scientists vww.gza.com

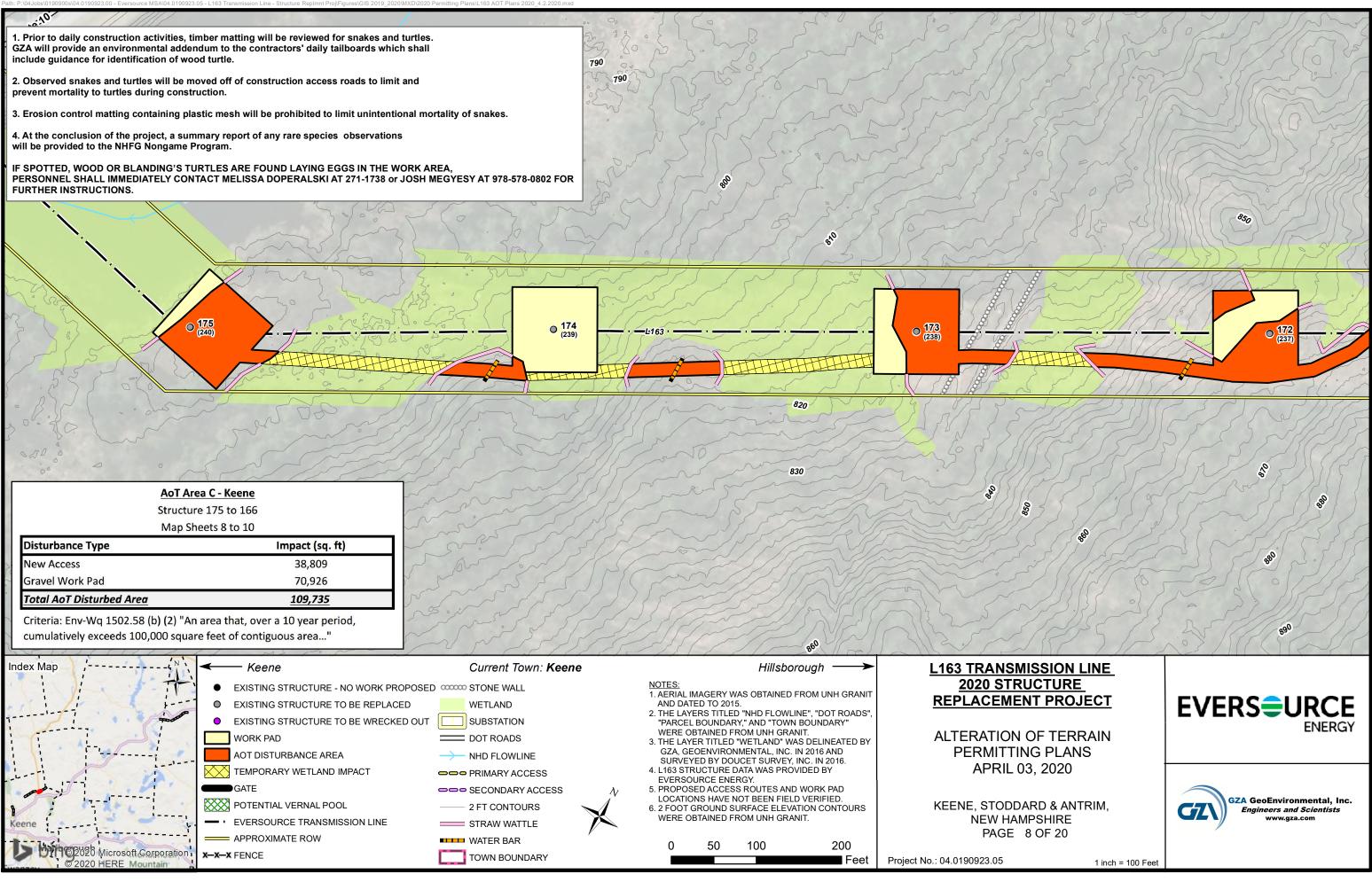
1 inch = 100 Feet

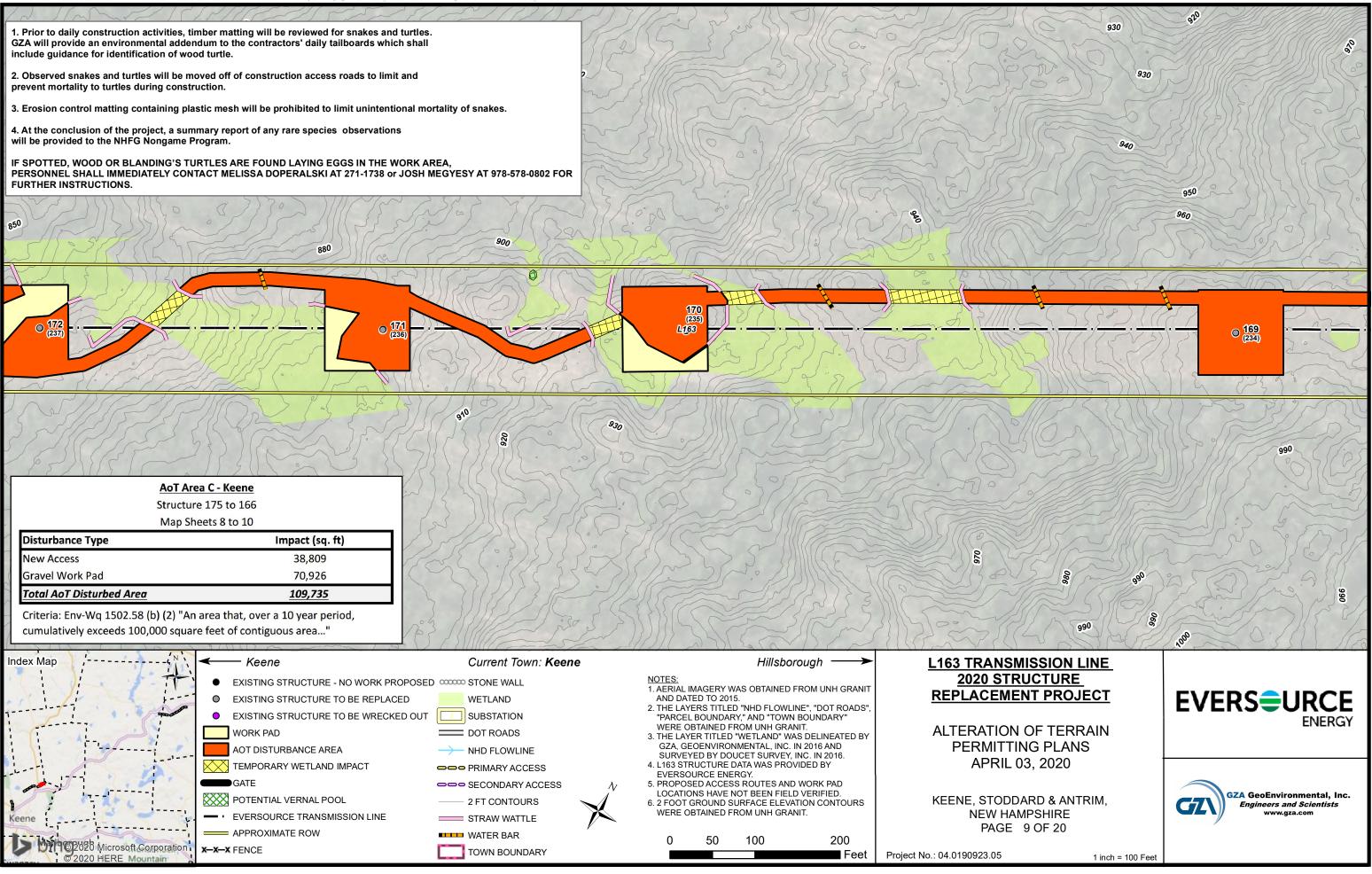


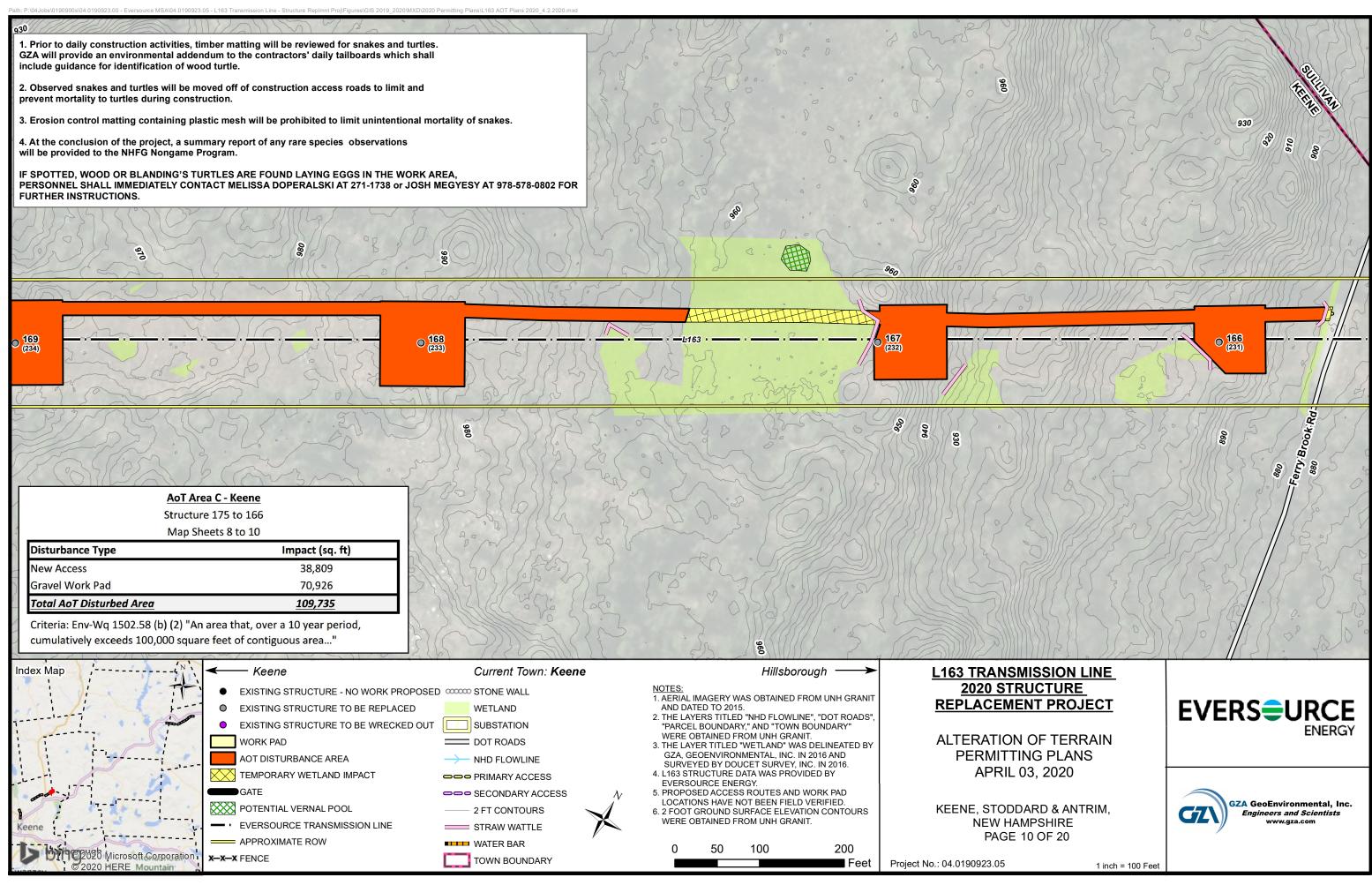












1. Prior to daily construction activities, timber matting will be reviewed for snakes and turtles. GZA will provide an environmental addendum to the contractors' daily tailboards which shall include guidance for identification of wood turtle.

2. Observed snakes and turtles will be moved off of construction access roads to limit and prevent mortality to turtles during construction.

3. Erosion control matting containing plastic mesh will be prohibited to limit unintentional mortality of snakes.

³⁰
 ⁽⁹⁵⁾

1230

4. At the conclusion of the project, a summary report of any rare species observations will be provided to the NHFG Nongame Program.

IF SPOTTED, WOOD OR BLANDING'S TURTLES ARE FOUND LAYING EGGS IN THE WORK AREA, PERSONNEL SHALL IMMEDIATELY CONTACT MELISSA DOPERALSKI AT 271-1738 or JOSH MEGYESY AT 978-578-0802 FOR FURTHER INSTRUCTIONS.

	AoT Area D - Stoddard and Ar	<u>ntrim</u>
	Structure 30 to 21	
	Map Sheets 11 to 13	
ice Type		Impact (sq. ft)
SS		51,646

1220

723 10

Disturban

New Acces

Index Map

Total AoT Disturbed Area	<u>61,646</u>
Gravel Work Pad	10,000

Criteria: Env-Wq 1502.58 (b) (2) "An area that, over a 10 year period... cumulatively exceeds 50,000 square feet of contiguous area if any portion of the disturbance is within the protected shoreland as defined in RSA 483-B

Current Town: Stoddard

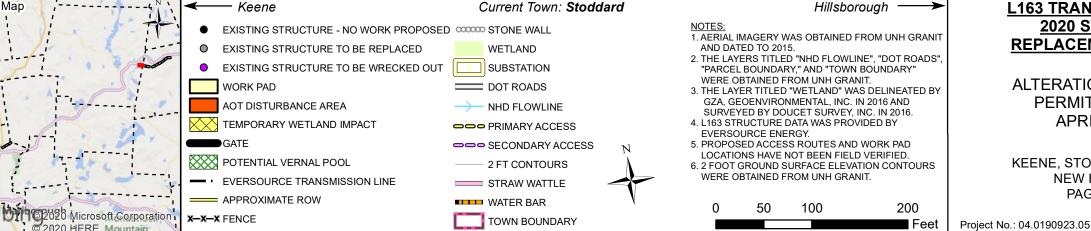
1260

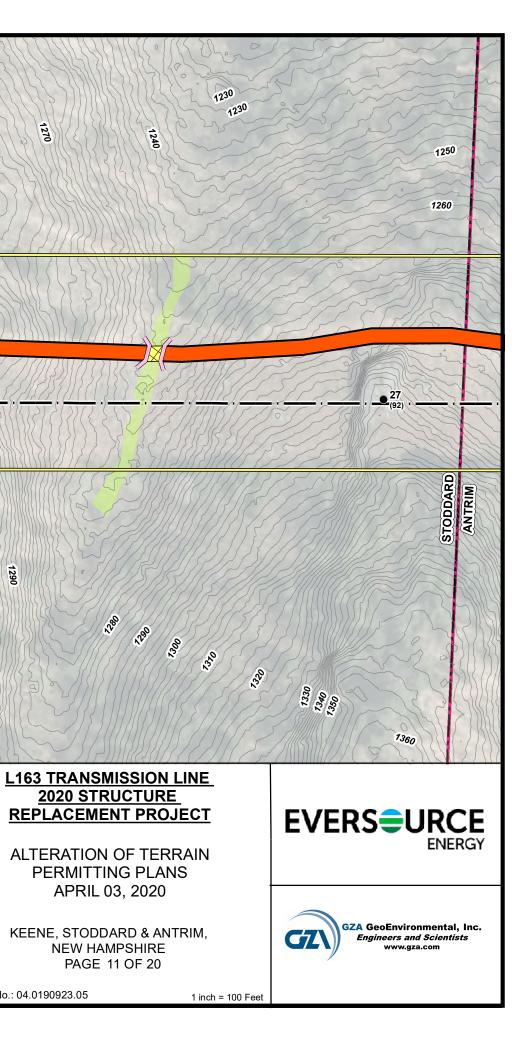
1250

1240

S

1270



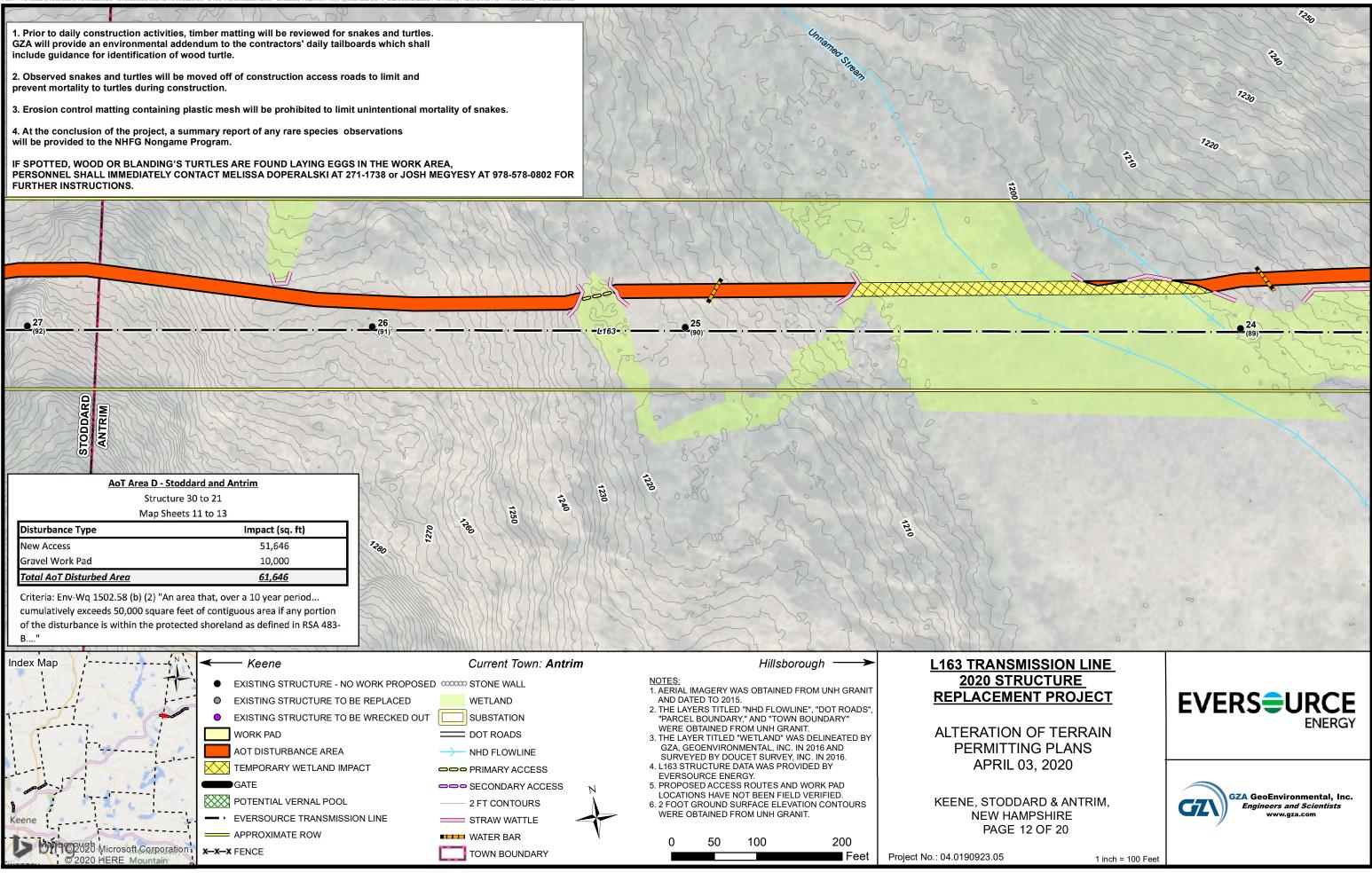


1270

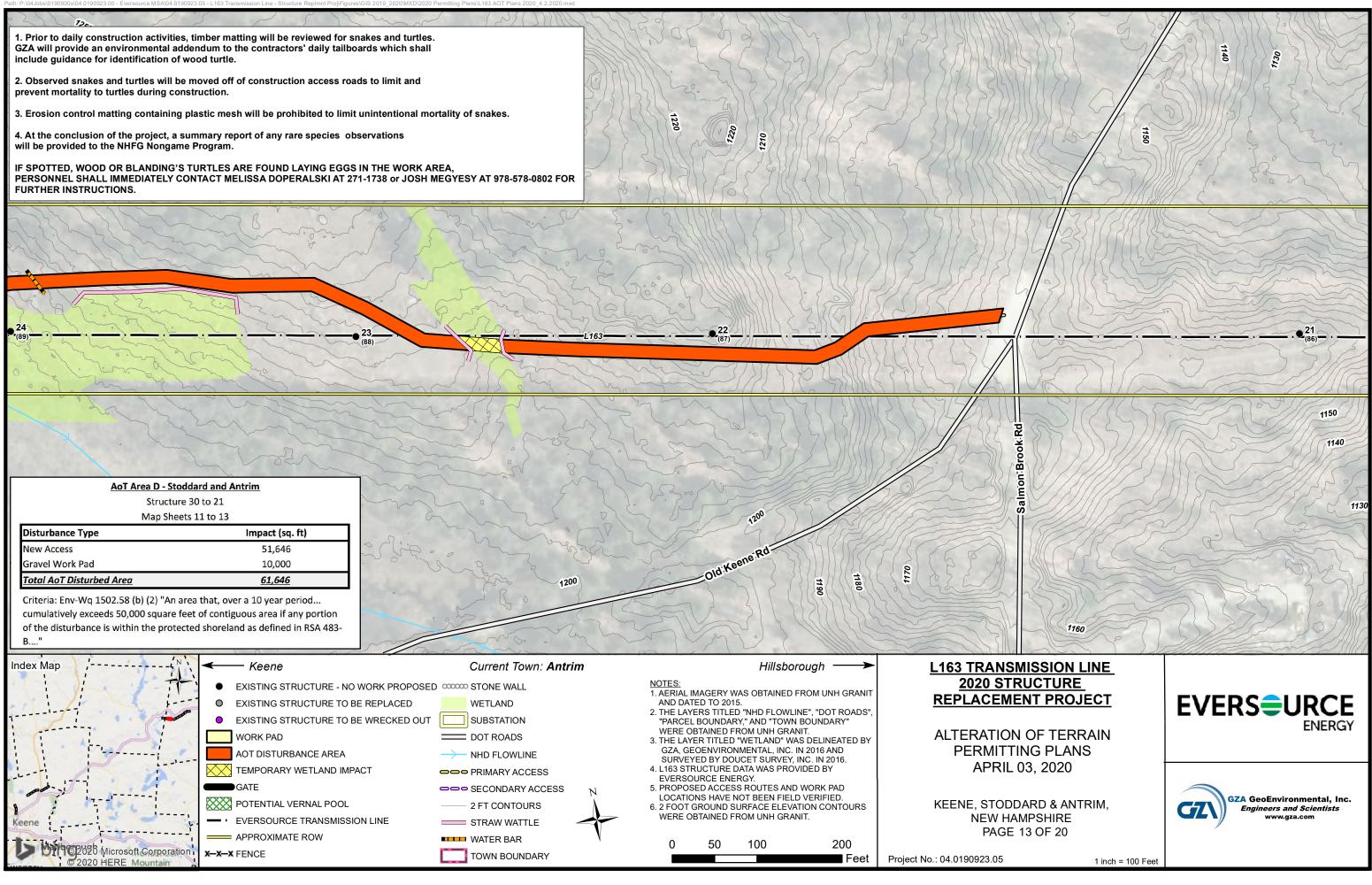
1310 1300

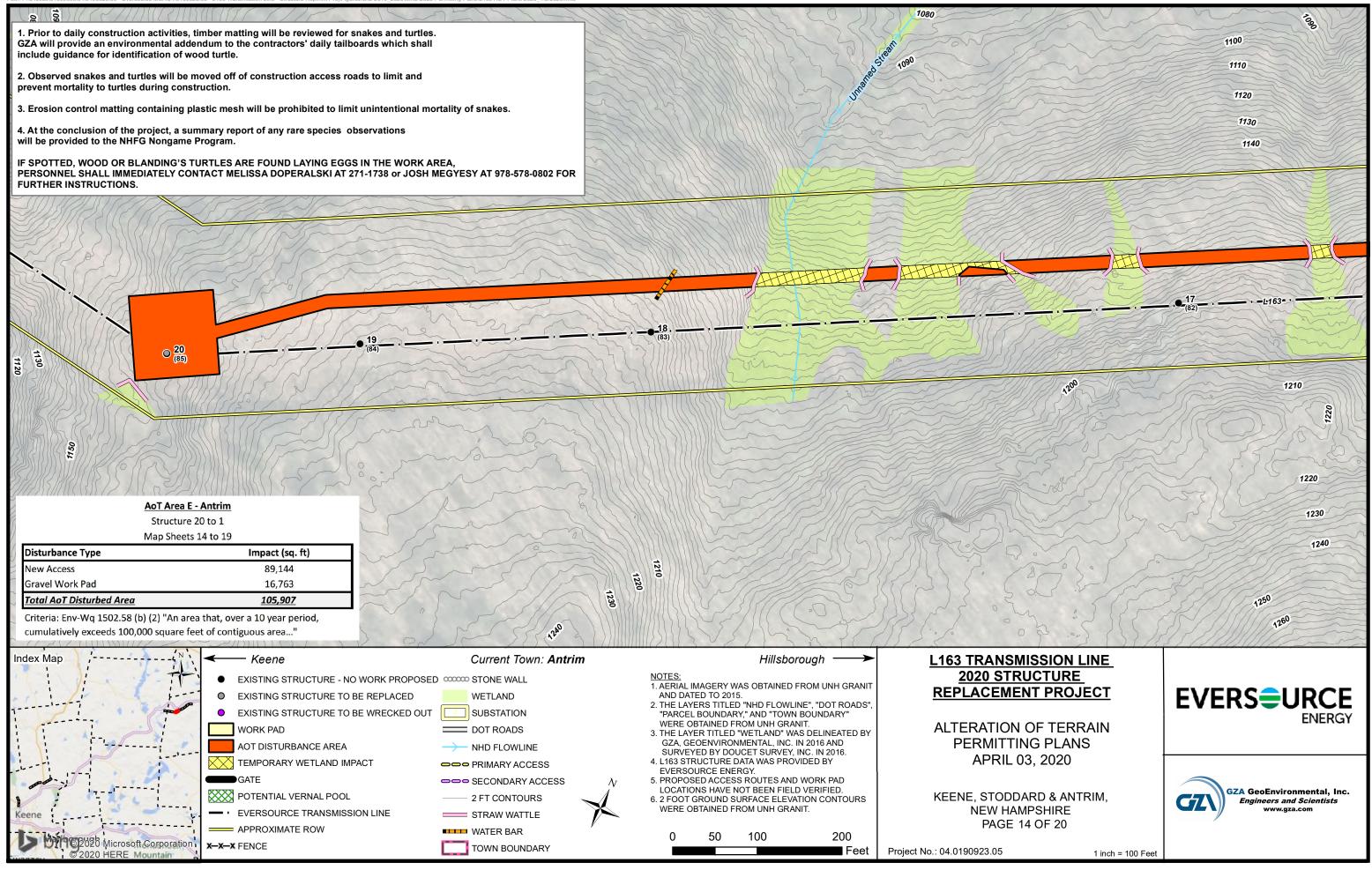
→

1290

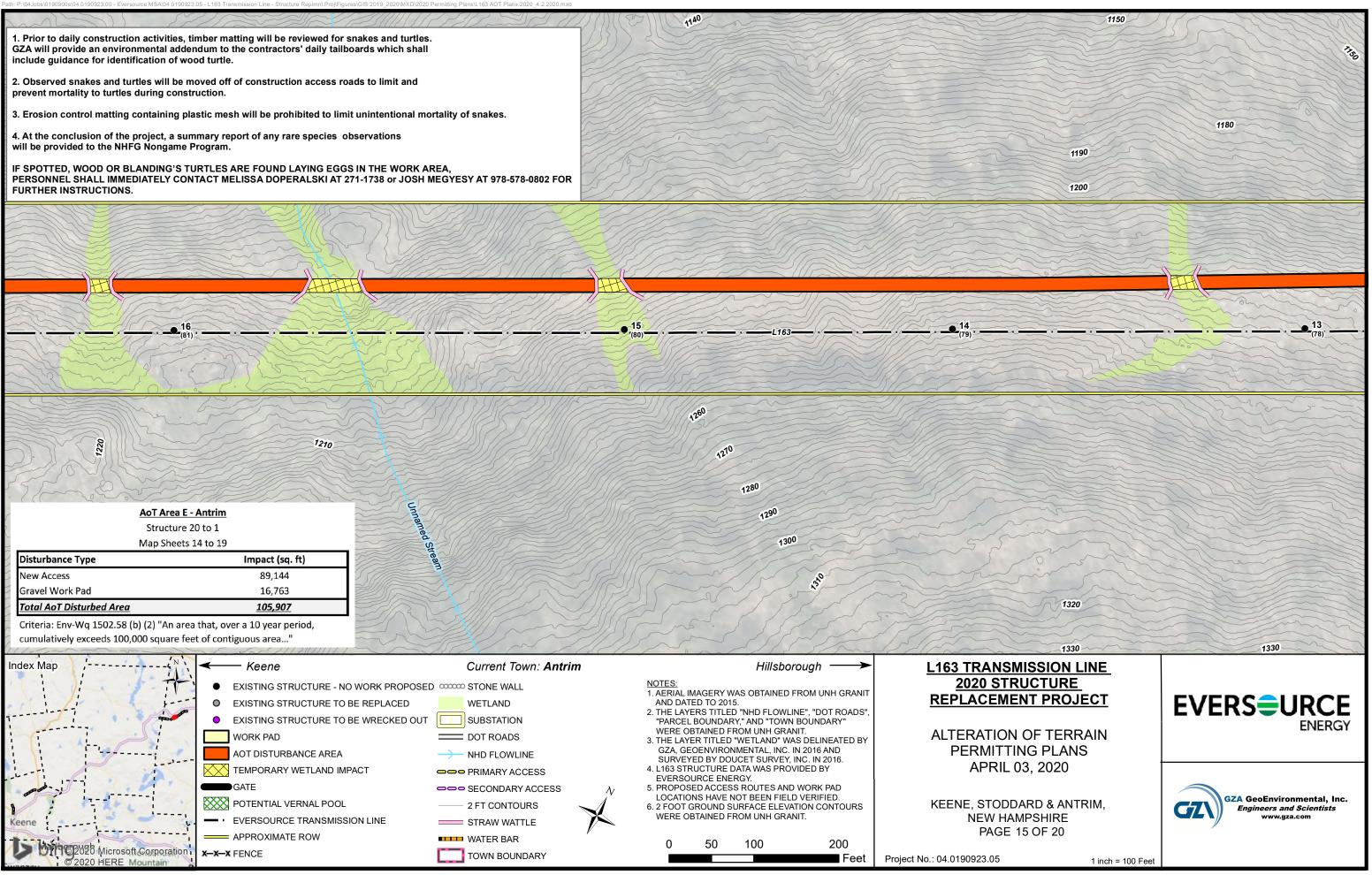


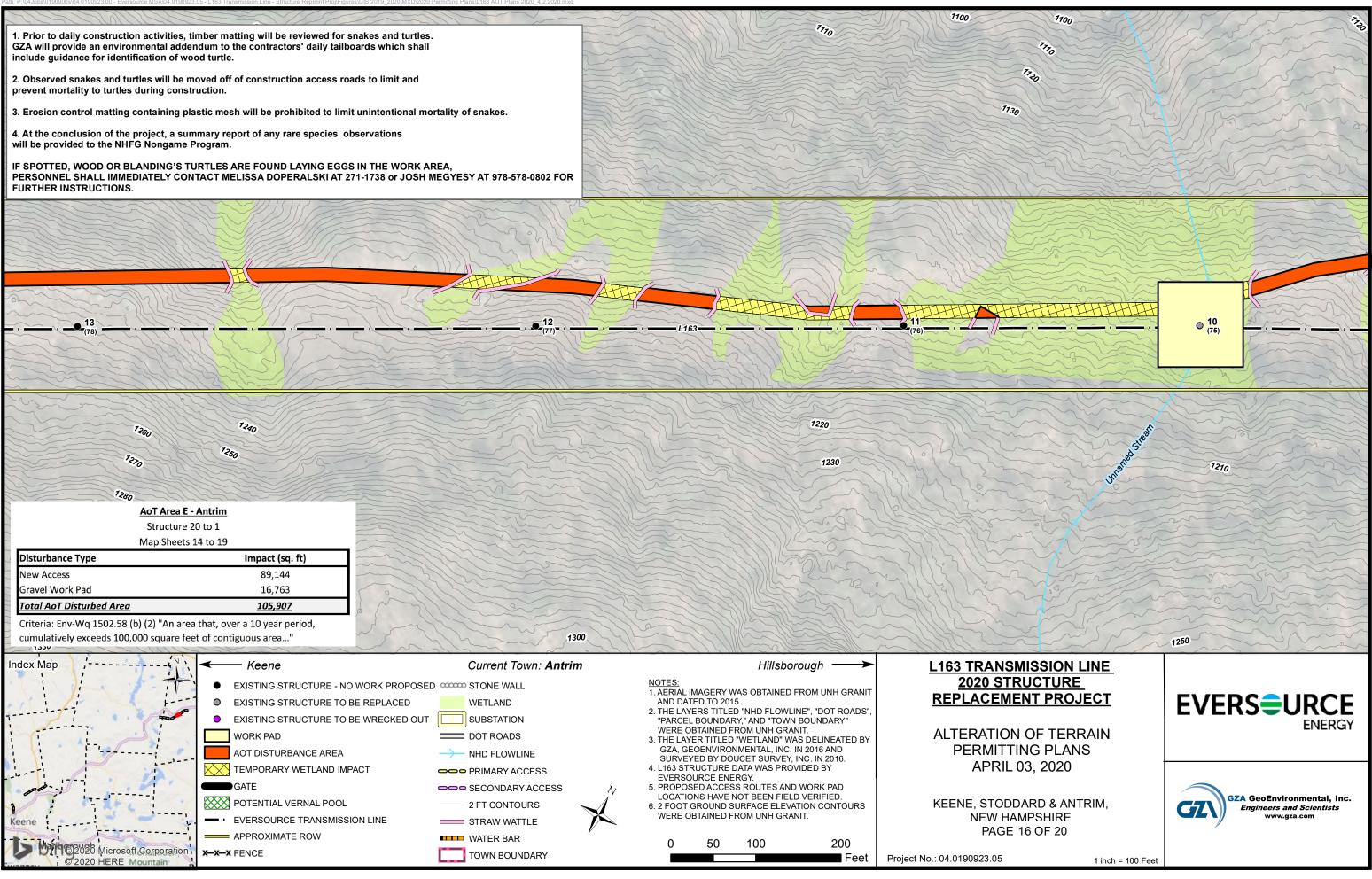


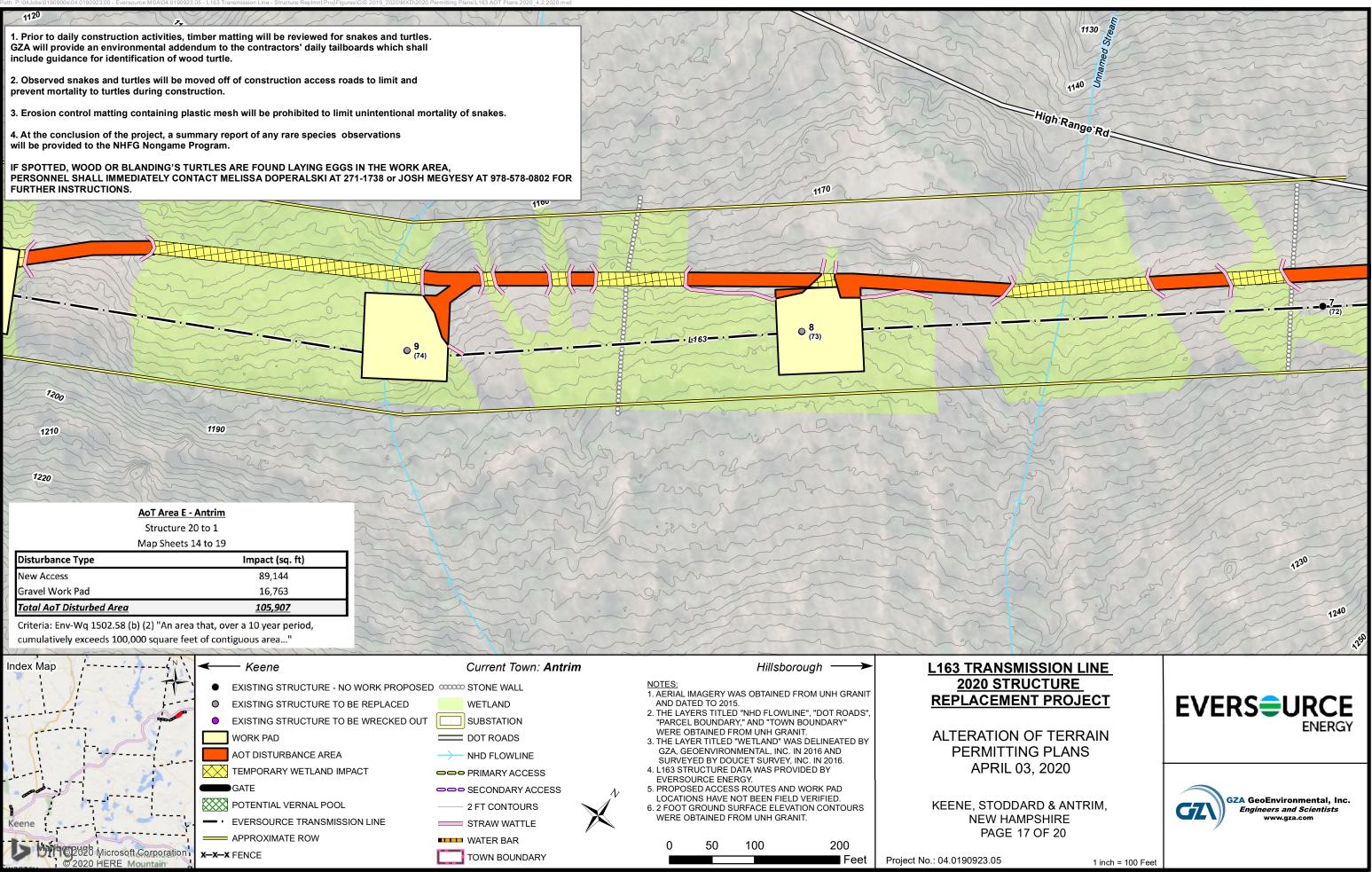




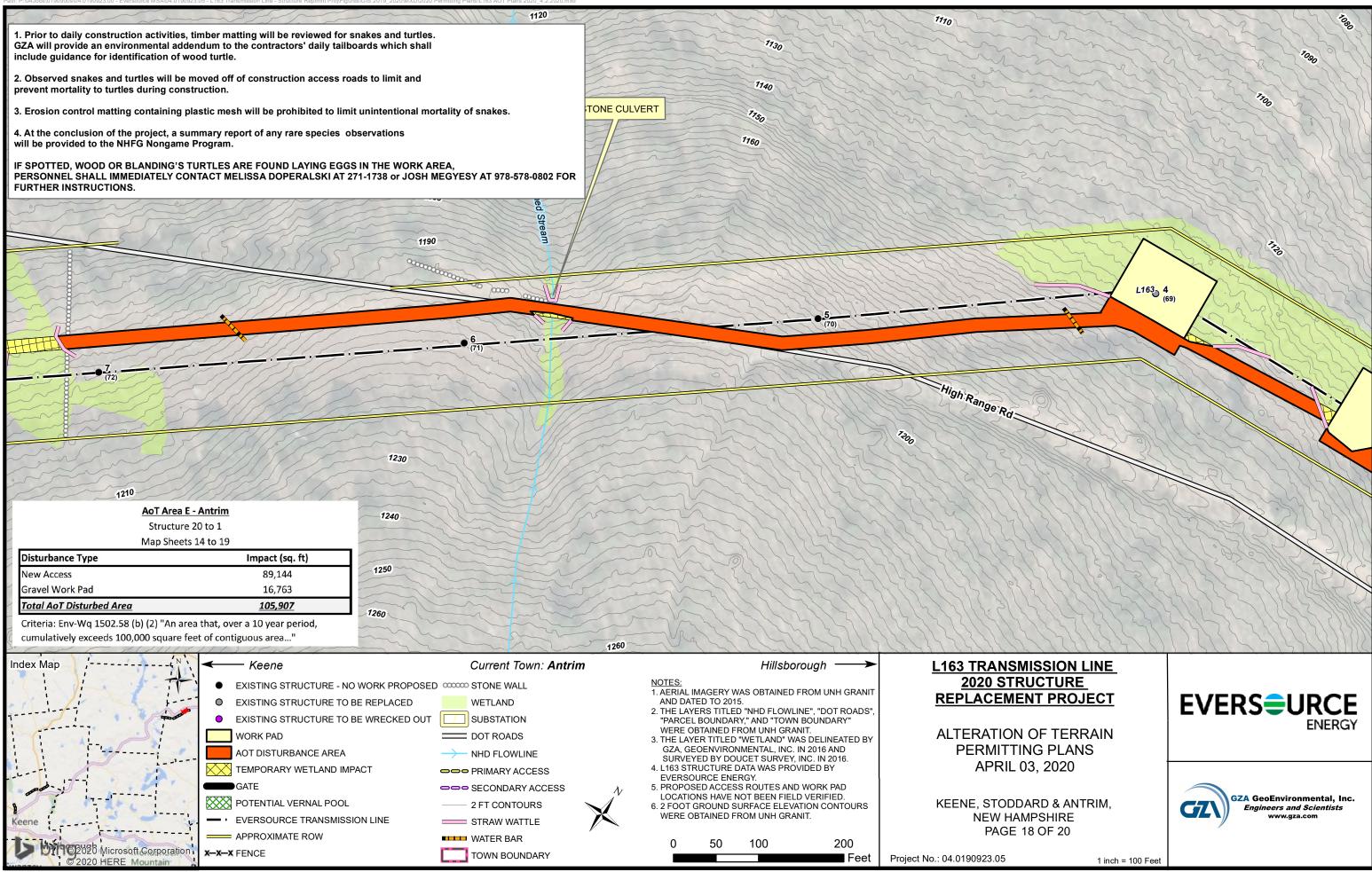


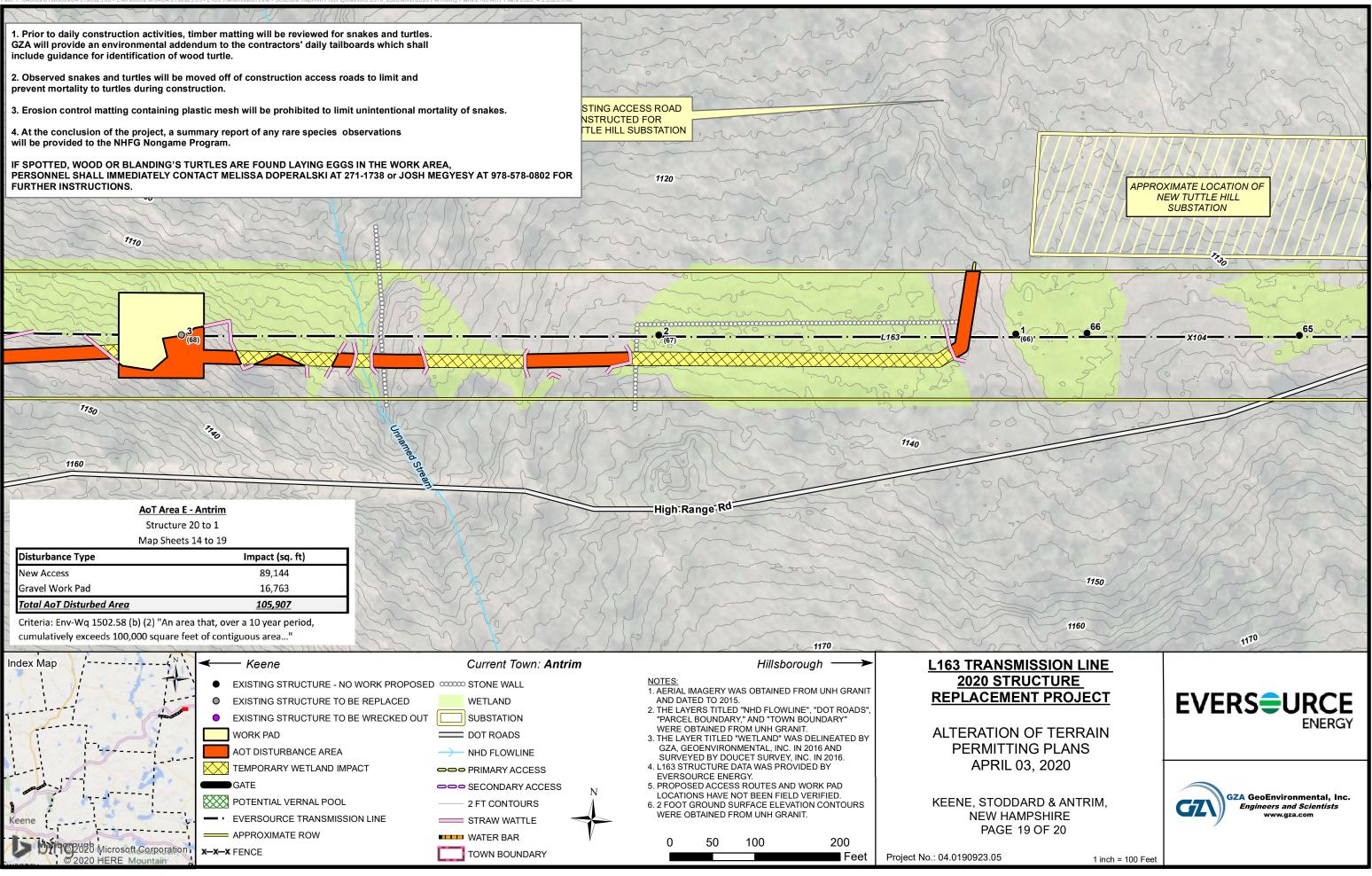


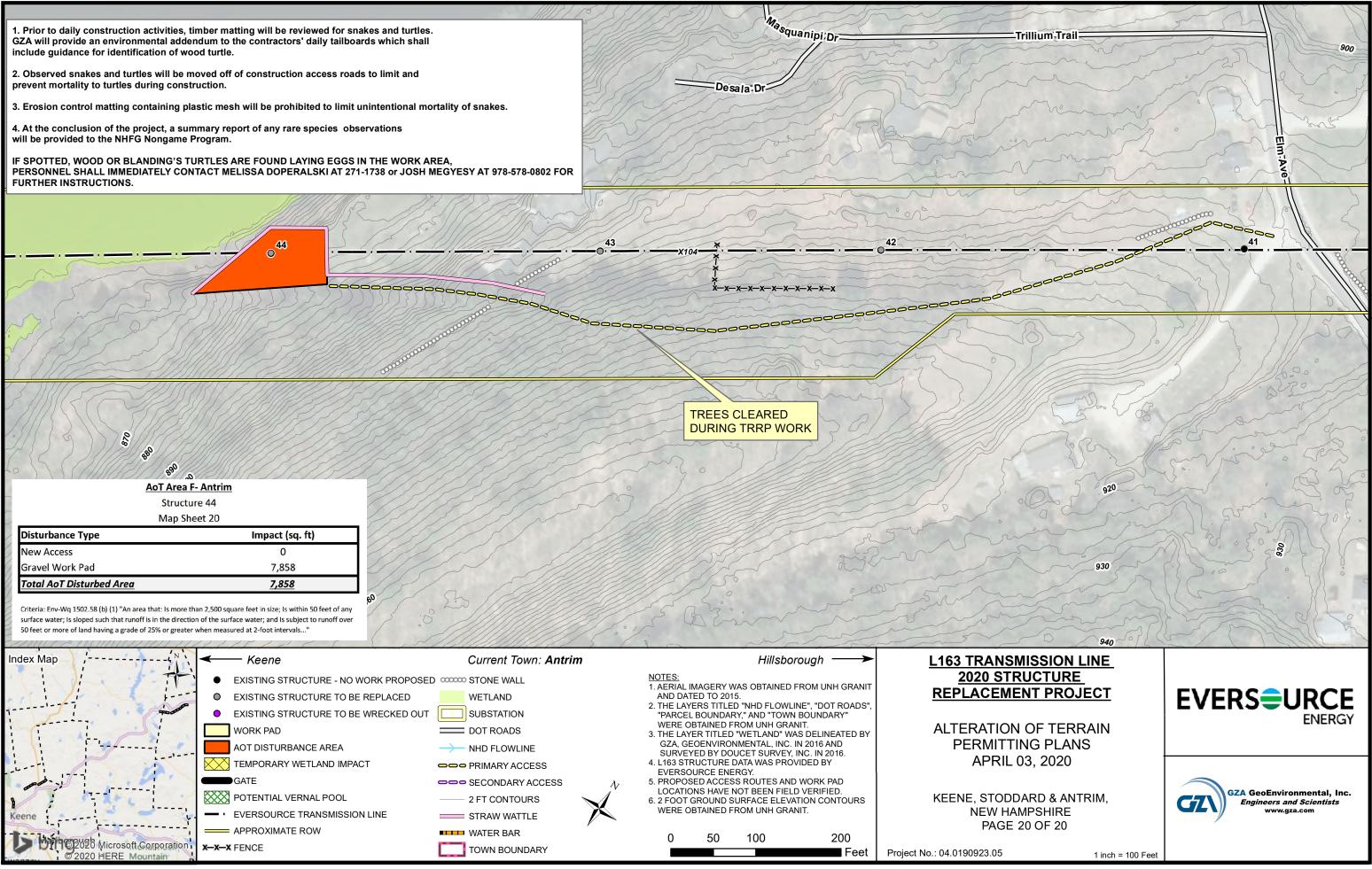












CONSTRUCTION SEQUENCE:

- . WETLAND BOUNDARIES TO BE CLEARLY MARKED PRIOR TO THE START OF CONSTRUCTION.
- 2. SEDIMENT AND EROSION CONTROL MEASURES SHALL BE INSTALLED IN ACCORDANCE WITH THE DETAIL PROVIDED, AS NFCFSSARY
- 3. WETLAND IMPACTS ASSOCIATED WITH WETLAND CROSSINGS ARE REQUIRED FOR ACCESS BETWEEN STRUCTURES WITHIN THE RIGHT OF WAY. CONSTRUCTION ACTIVITIES SHALL OCCUR DURING PERIODS OF LOW FLOW.
- ADEQUATE PRECAUTION SHALL BE EXERCISED TO AVOID SPILLAGE OF FUEL OILS, CHEMICALS, OR SIMILAR SUBSTANCES: NO FUELS, LUBRICANTS, CHEMICALS OR SIMILAR SUBSTANCES SHALL BE STORED BENEATH TREES OR IN THE VICINITY OF ANY WETLANDS, RIVER, STREAM OR OTHER BODY OF WATER; OR IN THE VICINITY OF NATURAL OR MAN-MADE CHANNELS LEADING THERETO. NO POWER EQUIPMENT SHALL BE STORED, MAINTAINED, OR FUELED IN ANY AREA ADJACENT TO A WETLAND, RIVER, STREAM OR OTHER BODY OF WATER.
- REMOVE COMPLETELY ALL CONTAMINATION FROM ANY SPILLAGE OF CHEMICALS OR PETROLEUM PRODUCT WITH COMPLETE REHABILITATION OF THE AFFECTED AREA.
- ACCESS ROUTES HAVE BEEN SELECTED TO PREVENT DEGRADATION OF THE RIGHT-OF-WAY AND MINIMIZE ENVIRONMENTAL IMPACT. ALL OPERATIONS SHALL BE CONFINED TO THE SPECIFIED ACCESS ROUTES WITHIN THE PROPOSED WETLAND IMPACT AREA. ALL ACCESS ROUTES SHALL NOT EXCEED A 16 FOOT-WIDTH.
- . IMPACT TO VEGETATION WITHIN WETLANDS WILL BE LIMITED TO THE EXTENT NECESSARY TO PLACE THE SWAMP MATS WHERE REQUIRED.
- 8. ALL LOW GROWING VARIETIES OF VEGETATION ADJACENT TO WETLANDS SHALL BE PRESERVED TO THE EXTENT POSSIBLE. STUMPS AND ROCKS SHALL NOT BE REMOVED, AND THERE SHALL BE NO EXCAVATIONS, FILLS OR GRADING DONE ADJACENT TO WETLANDS, UNLESS MINOR EXCAVATIONS IS NEEDED FOR ACCESS.
- . SWAMP MATS WILL BE USED ALONG ALL ACCESS ROUTES WITHIN WETLAND AREAS. THESE MATS ARE CONSTRUCTED OF HEAVY TIMBERS OR COMPOSITE MATERIAL, BOLTED TOGETHER, AND ARE PLACED END-TO-END IN THE WETLAND TO SUPPORT HEAVY EQUIPMENT. ALL SWAMP MATS SHALL BE PLACED AND REMOVED SO AS NOT TO CAUSE ANY RUTS, CHANNELS OR DEPRESSIONS, OR OTHERWISE CAUSE ANY UNDUE DISTURBANCE TO WETLANDS.
- 10. IF SWAMP MAT BMP IS NOT SUFFICIENT DUE TO HIGH WATER, ADDITIONAL BMP'S MAY INCLUDE THE PLACEMENT OF GEOTEXTILE FABRIC, 3"-4" STONE, AND GRAVEL TO PROVIDE A SUITABLE ROAD BED. A TEMPORARY CULVERT MAY BE REQUIRED IN AREAS OF HIGH FLOW TO MAINTAIN HYDROLOGIC CONNECTIVITY. ALL MATERIAL WILL BE REMOVED FROM JURISDICTIONAL AREAS AFTER CONSTRUCTION COMPLETION.
- NO MATERIAL SHALL BE PLACED IN ANY LOCATION OR IN ANY MANNER SO AS TO IMPAIR SURFACE WATER FLOW INTO, THROUGH OR OUT OF ANY WETLAND AREA. NO INSTALLATION SHALL CREATE AN IMPOUNDMENT THAT WILL IMPEDE THE FLOW OF WATER OR CAUSE FLOODING.
- 12. NO MATERIAL SHALL BE TAKEN FROM THE WETLANDS AREA EXCEPT THAT WHICH MUST NECESSARILY BE REMOVED FOR THE STRUCTURE OR FOUNDATION PLACEMENT OR STABILIZATION. ALL EXCESS MATERIAL TAKEN FROM THE WETLAND WILL BE REMOVED FROM THE SITE.
- 13. ANY PROPOSED SUPPORT FILLS SHALL BE CLEAN GRAVEL AND STONE, FREE OF WASTE METAL PRODUCTS, ORGANIC MATERIALS AND SIMILAR DEBRIS AND SHALL NOT EXCEED THE AMOUNT PERMITTED. THIS ALLOWABLE FILL IS THE ONLY FILL THAT MAY REMAIN IN THE WETLAND AFTER CONSTRUCTION. ALL CUT AND FILLS SLOPES SHALL BE SEEDED/LOAMED WITHIN 72 HOURS OF ACHIEVING FINISHED GRADE.
- 14. INSTALL NEW POLES IN THE LOCATIONS DESIGNATED ON THE PERMITTING PLANS.
- 15. CABLE INSTALLATION WILL BE PERFORMED IN A MANNER SO AS TO AVOID, OR LIMIT TO THE MAXIMUM EXTENT POSSIBLE, TRAVERSING WETLANDS WITH HEAVY EQUIPMENT. IN SOME CASES, A HELICOPTER MAY BE USED DURING THE INSTALLATION TO MINIMIZE IMPACTS.
- 16. REMOVAL OF THE OLD POLE WILL OCCUR ONCE THE CABLE HAS BEEN INSTALLED ON THE NEW STRUCTURE. THE OLD STRUCTURES WILL BE REMOVED FROM THE SITE. POLES WILL BE CUT AT THE GROUND SURFACE. FOOTINGS WILL BE ABANDONED IN PLACE TO MINIMIZE IMPACTS.
- 17. ALL SWAMP MATS, MATERIAL, AND DEBRIS WILL BE REMOVED FROM THE WORK AREA UPON THE COMPLETION OF CONSTRUCTION.
- 18. UPLAND DISTURBED AREAS SHALL BE RESTORED AND STABILIZED UPON COMPLETION OF CONSTRUCTION. WORK PAD RESTORATION SHOULD INCLUDE REDUCING THE WORK PAD TO A 30 BY 60 FOOT AREA, AND REDUCING SLOPES TO A MAXIMUM OF 25%. STOCKPILED MATERIAL SHOULD BE SPREAD TO REDUCE ANY UNNECESSARY SLOPES. GRAVEL WORK PADS AND SLOPES SHOULD BE SCARIFIED TO A MINIMUM OF 3" BEFORE SPREADING TOPSOIL/LOAM.
- 19. ALL TEMPORARY WETLAND IMPACTS WILL BE RE-GRADED TO ORIGINAL CONTOURS FOLLOWING CONSTRUCTION. NEW ENGLAND EROSION CONTROL/RESTORATION MIX. AVAILABLE THROUGH NEW ENGLAND WETLAND PLANTS. INC., 820 WEST STREET, AMHERST, MA 01002, 413-548-8000, OR EQUIVALENT SEED MIX SHALL BE APPLIED IN WETLAND AREAS THAT ARE NOT INUNDATED, AS NECESSARY.
- 20. SEDIMENT AND EROSION CONTROL MEASURES WILL BE EVALUATED AND REMOVED IF NECESSARY UPON THE COMPLETION OF CONSTRUCTION.

WINTER CONSTRUCTION NOTES

- ALL PROPOSED VEGETATED AREAS WHICH DO NOT EXHIBIT A MINIMUM OF 85% VEGETATIVE GROWTH BY OCTOBER 15TH, OR WHICH ARE DISTURBED AFTER OCTOBER 15TH, SHALL BE STABILIZED. STABILIZATION METHODS SHALL INCLUDE SEEDING AND MULCH, AND INSTALLATION OF EROSION CONTROL BLANKETS ON SLOPES GREATER THAN 3:1, AND SEEDING AND PLACING 3 TO 4 TONS OF MULCH PER ACRE, SECURED WITH ANCHORED NETTING, ELSEWHERE. THE INSTALLATION OF EROSION CONTROL BLANKETS OR MULCH AND NETTING SHALL NOT OCCUR OVER ACCUMULATED SNOW OR FROZEN GROUND AND SHALL BE COMPLETED IN ADVANCE OF THAW OR SPRING MELT FVFNTS.
- ALL DITCHES OR SWALES WHICH DO NOT EXHIBIT A MINIMUM OF 85% VEGETATIVE GROWTH BY OCTOBER 15TH. OR WHICH ARE DISTURBED AFTER OCTOBER 15TH, SHALL BE TEMPORARILY STABILIZED WITH STONE OR EROSION CONTROL BLANKETS APPROPRIATE FOR THE DESIGN FLOW CONDITIONS.

GENERAL NOTES:

- EVERSOURCE ENERGY 13 LEGENDS DRIVE OWNER: HOOKSETT, NH 03106
- 1. BASE PLAN PROVIDED BY EVERSOURCE ENERGY. EVERSOURCE ENERGY PROVIDED THE WETLAND DATA. EVERSOURCE ENERGY PROVIDED THE UTILITY DESIGN.
- 2. JURISDICTIONAL WETLANDS WERE DELINEATED BY TIGHE AND BOND IN 2018, IN ACCORDANCE WITH THE 1987 U.S. ARMY CORPS OF ENGINEERS' "WETLANDS DELINEATION MANUAL, TECHNICAL REPORT Y-87-1," AND REGIONAL SUPPLEMENT TO THE CORPS OF ENGINEERS WETLAND DELINEATION MANUAL: NORTH CENTRAL AND NORTHEAST REGION," JANUARY 2012. WETLANDS WERE REVIEWED BY GZA GEOENVIRONMENTAL, INC. IN JANUARY AND FEBRUARY 2019.
- 4. GZA PERFORMED A WETLANDS FUNCTION AND VALUES ASSESSMENT IN ACCORDANCE WITH THE ACOE'S "HIGHWAY METHODOLOGY WORKBOOK SUPPLEMENT," SEPTEMBER 1999, IN THE TOWN OF STRAFFORD.
- 6. THE PROJECT WILL BE MANAGED IN A MANNER THAT MEETS THE REQUIREMENTS AND INTENT OF RSA 430:53 AND CHAPTER AGR 3800 RELATIVE TO INVASIVE SPECIES.
- 7. IN ACCORANCE WITH ENV-WQ 1505.02, THE SMALLEST PRACTICAL AREA SHALL BE DISTURBED DURING CONSTRUCTION, BUT IN NO CASE SHALL EXCEED 5 ACRES AT ANY ONE TIME BEFORE DISTURBED AREAS ARE STABILIZED. AN AREA SHALL BE CONSIDERED STABLE IF ONE OF THE FOLLOWING HAS OCCURRED:
 A MINIMUM 85 PERCENT VEGETATED GROWTH HAS BEEN ESTABLISHED
 A MINIMUM OF 3 INCHES OF NON-EROSIVE MATERIAL HAS BEEN INSTALLED
 OR, EROSION CONTROL BLANKETS HAVE BEEN PROPERLY INSTALLED.

8. ALL AREAS SHALL BE STABILIZED WITH 45 DAYS OF INITIAL DISTURBANCE.

EROSION CONTROL NOTES:

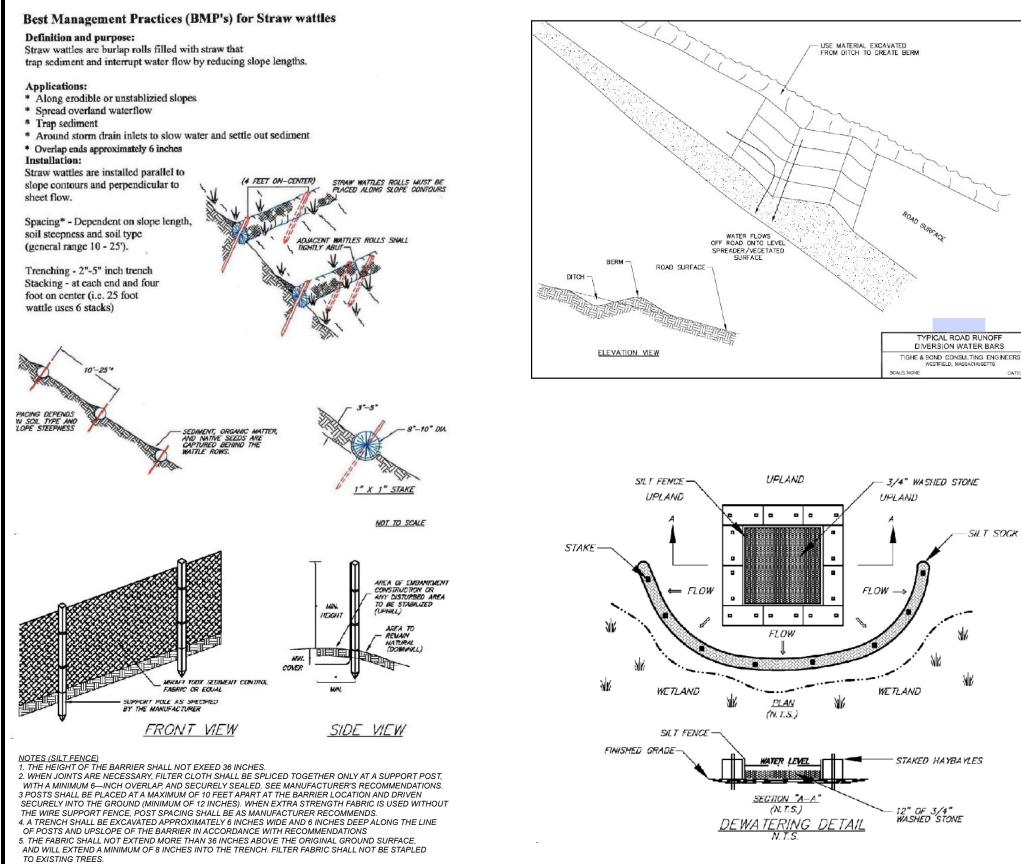
- 1. INSTALLATION OF EROSION CONTROL GRINDINGS AND/OR SILT FENCES SHALL BE COMPLETE PRIOR TO THE START OF WORK IN ANY GIVEN AREA. EROSION CONTROLS SHALL BE USED DURING CONSTRUCTION AND REMOVED WHEN ALL SLOPES HAVE A HEALTHY STAND OF VEGETATION COVER. EROSION CONTROL MEASURES SHALL BE INSPECTED ON A WEEKLY BASIS AND AFTER .25" OR GREATER RAINFALL EVENTS.
- 2. AS REQUIRED, CONSTRUCT TEMPORARY BERMS, SILTATION FENCES, SEDIMENT TRAPS, ETC. TO PREVENT **EROSION & SEDIMENTATION OF WETLANDS.**
- 3. THE WORK AREA SHALL BE GRADED AND OTHERWISE SHAPED IN SUCH A MANNER AS TO MINIMIZE SOIL EROSION, SILTATION OF DRAINAGE CHANNELS, DAMAGE TO EXISTING VEGETATION, AND DAMAGE TO PROPERTY OUTSIDE LIMITS OF THE WORK AREA. EROSION CONTROL GRINDINGS WILL BE NECESSARY TO ACCOMPLISH THIS END.
- 4. ANY STRIPPED TOPSOIL SHALL BE STOCKPILED, WITHOUT COMPACTION, AND STABILIZED AGAINST EROSION, AS NECESSARY.
- 5. PERMANENT OR TEMPORARY COVER MUST BE IN PLACE BEFORE THE GROWING SEASON ENDS. WHEN SEEDED AREAS ARE NOT MULCHED, PLANTINGS SHOULD BE MADE FROM EARLY SPRING TO MAY 20 OR FROM AUGUST 15 TO SEPTEMBER 15. NO DISTURBED AREA SHALL BE LEFT EXPOSED DURING WINTER MONTHS, PLANT ANNUAL RYEGRASS PRIOR TO OCTOBER 15TH.
- 6. EROSION CONTROLS SHALL BE INSPECTED WEEKLY AND AFTER EVERY HALF-INCH OF RAINFALL.

3. AFTER NOVEMBER 15TH, INCOMPLETE ROAD OR PARKING SURFACES, WHERE WORK HAS STOPPED FOR THE WINTER SEASON, SHALL BE PROTECTED WITH A MINIMUM OF 3 INCHES OF CRUSHED GRAVEL (NHDOT 304.3).

3. GZA EVALUATED WETLANDS AS POTENTIAL VERNAL POOLS ON FEBRUARY 6, 12, AND 15, 2019 IN ACCORDANCE WITH "IDENTIFICATION AND DOCUMENTATION OF VERNAL POOLS IN NEW HAMPSHIRE," 1997, NEW HAMPSHIRE FISH AND GAME DEPARTMENT, NONGAME AND ANDANGERED WILDLIFE PROGRAM.

5. SITE PLAN IS FOR PERMITTING PURPOSES ONLY AND DOES NOT REPRESENT A PROPERTY BOUNDARY SURVEY.

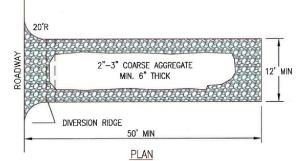
UNLESS SPECIFICALLY STATED BY WRITTEN AGREEMENT. THIS DRAWING IS THE SOLE PROPERTY OF GZA GEOENVIRONMENTAL INC. (GZA). THE INFORMATION SYNOWN ON THE DRAWING IS SOLELY FOR THE USE BY GZAS LIENT OR THE CLENTS DESIGNATED REPRESENTATIVE FOR THE SPECIFIC PROJECT AND LOCATION IDENTIFIED ON THE DRAWING. THE DRAWING SHALL NOT BE TRANSFERRED, REUSED, COPIED, OR ALTERED IN ANY MAINTEN FOR USE AT ANY OTHER LOCATION OR FOR ANY OTHER PURPOSE WITHOUT THE PRIOR WRITTEN CONSENT OF GZA, ANY TRANSFER, REUSE, OR MODIFICATION TO THE DRAWING BY THE CLENT OR OTHERS, WITHOUT THE PRIOR WRITTEN EXPRESS CONSENT OF GZA. WILL BE AT THE USER'S SOLE RISK AND WITHOUT ANY RISK OR LIABILITY TO GZA.					
L163 TRANSMISSION LINE STRUCTURE REPLACEMENT PROJECT					
KEENE, STODDARD, AND ANTRIM NEW HAMPSHIRE					
	NOTES				
PREPARED BY:		PREPARED FOR:			
GZA GeoEnvironmental, Inc. Engineers and Scientists www.gza.com		EVERS			
PROJ MGR: AJD	REVIEWED BY: LEW	CHECKED BY: DMZ	SHEET		
DESIGNED BY: MJD	DRAWN BY: MJD	SCALE:	A		
DATE:	PROJECT NO.	REVISION NO.] 1		
01/16/2020	04.0190923.05		1 OF 3		



6. THE TRENCH SHALL BE BACKFILLED AND THE SOIL COMPACTED OVER THE FILTER FABRIC. 7. FABRIC BARRIERS SHALL BE REMOVED WHEN THEY HAVE SERVED THEIR USEFUL PURPOSE, BUT NOT BEFORE THE UPSLOPE AREA HAS BEEN PERMANENTLY STABILIZED. 8. FILTER BARRIERS SHALL BE INSPECTED IMMEDIATELY AFTER EACH RAINFALL AND AT LEAST ONCE

 FILTER BARRIERS SHALL BE INSPECTED IMMEDIATELY AFTER EACH RAINFALL AND AT LEAST ONCE DAILY DURING PROLONGED RAINFALL AND ANY REQUIRED REPAIRS SHALL BE MADE IMMEDIATELY.
 SHOULD THE FABRIC DECOMPOSE OR BECOME INEFFECTIVE PRIOR TO THE END OF THE EXPECTED USABLE LIFE AND THE BARRIER STILL BE NECESSARY, THE FABRIC SHALL BE REPLACED PROMPTLY.
 SEDIMENT DEPOSITS SHOULD BE REMOVED WHEN THEY REACH APPROXIMATELY ONE—HALF THE HEIGHT OF THE BARRIER

11. ANY SEDIMENT DEPOSITS REMAINING IN PLACE AFTER THE SILT FENCE OR FILTER BARRIER IS NO LONGER REQUIRED SHALL BE DRESSED TO CONFORM TO THE EXISTING GRADE, PREPARED AND SEEDED.



NOTES:

1. THE ENTRANCE SHALL BE MAINTAINED IN A CONDITION THAT WILL PREVENT TRACKING OR FLOWING OF SEDIMENT ONTO PUBLIC RIGHT-OF-WAYS. THIS MAY REQUIRE TOP DRESSING, REPAIR AND/OR CLEANOUT OF ANY MEASURES USED TO TRAP SEDIMENT.

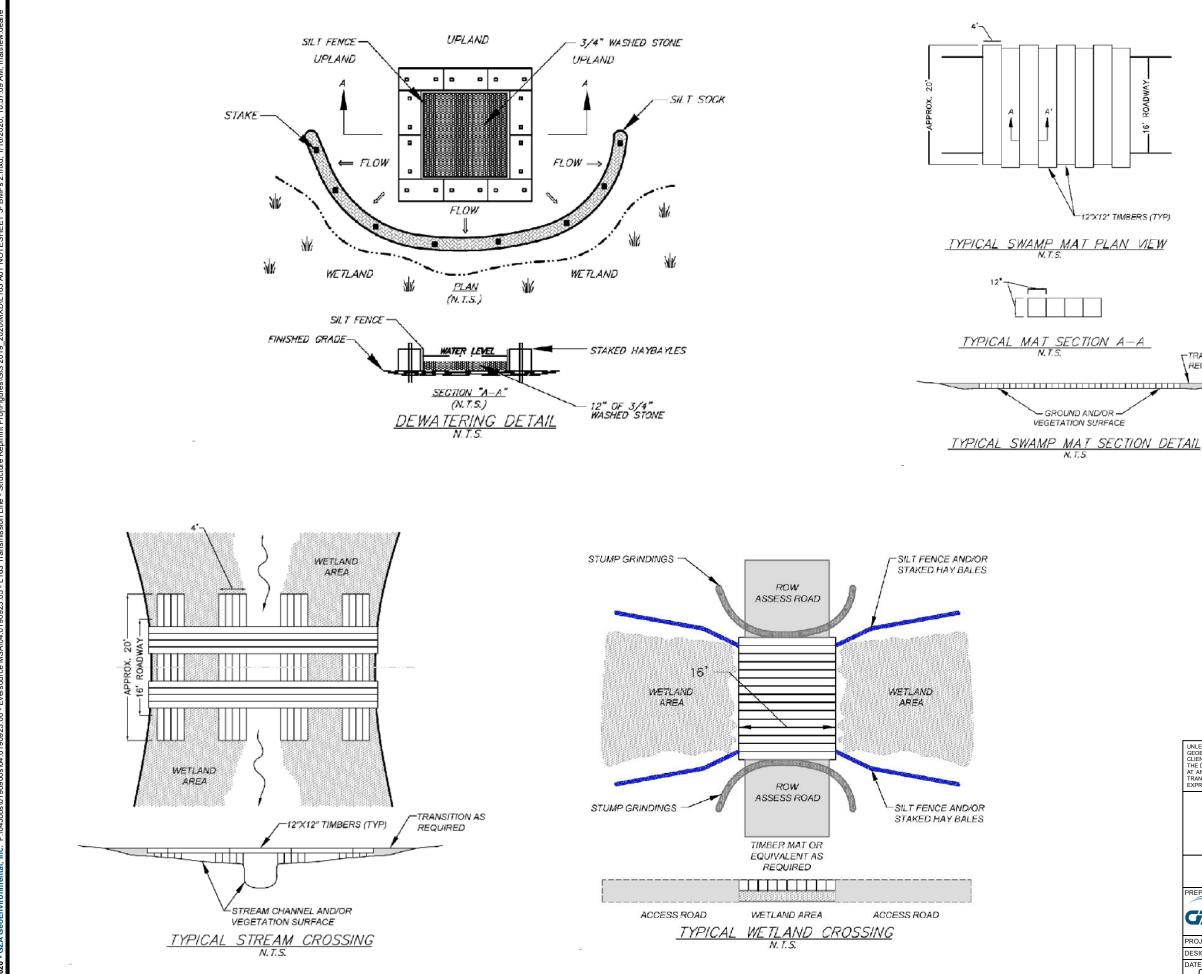
2. WHEN NECESSARY, WHEELS SHALL BE CLEANED PRIOR TO ENTRANCE ONTO PUBLIC RIGHT-OF-WAY.

CONSTRUCTION ENTRANCE

NOT TO SCALE

Figure 5

GEOENVIRONMENTAL, INC. (CLIENT OR THE CLIENT'S DE THE DRAWING. THE DRAWING AT ANY OTHER LOCATION O TRANSFER, REUSE, OR MOD	GZA). THE INFORMATION SHO SIGNATED REPRESENTATIVE F 3 SHALL NOT BE TRANSFERREI 0R FOR ANY OTHER PURPOSI IFICATION TO THE DRAWING E	INT, THIS DRAWING IS THE WN ON THE DRAWING IS SOL OR THE SPECIFIC PROJECT AI D, REUSED, COPIED, OR ALTER E WITHOUT THE PRIOR WRIT Y THE CLIENT OR OTHERS, W RISK AND WITHOUT ANY RISK (ELY FOR THE USE BY GZA'S ND LOCATION IDENTIFIED ON RED IN ANY MANNER FOR USE TEN CONSENT OF GZA, ANY ITHOUT THE PRIOR WRITTEN	
L163 TRANSMISSION LINE STRUCTURE REPLACEMENT PROJECT				
KEENE, STODDARD, AND ANTRIM NEW HAMPSHIRE				
BMP DETAILS				
PREPARED BY: GZA GeoEnvironmental, Inc. Engineers and Scientists www.gza.com		PREPARED FOR: EVERS		
PROJ MGR: AJD	REVIEWED BY: LEW	CHECKED BY: DMZ	SHEET	
DESIGNED BY: MJD	DRAWN BY: MJD	SCALE:)	
DATE: 01/16/2020	PROJECT NO. 04.0190923.05	REVISION NO.		



L163 TRANSMISSION LINE STRUCTURE REPLACEMENT PROJECT				
KEENE, STODDARD, AND ANTRIM NEW HAMPSHIRE				
BMP DETAILS				
PREPARED BY: GZA GeoEnvironmental, Inc. Engineers and Scientists www.gza.com		EVERS		
PROJ MGR: AJD	REVIEWED BY: LEW	CHECKED BY: DMZ	SHEET	
DESIGNED BY: MJD	DRAWN BY: MJD	SCALE:	<u> </u>	
DATE: 01/16/2020	PROJECT NO. 04.0190923.05	REVISION NO.	5	

UNLESS SPECIFICALLY STATED BY WRITTEN AGREEMENT, THIS DRAWING IS THE SOLE PROPERTY OF GZA GEOENVIRONMENTAL, INC. (GZA), THE INFORMATION SHOWN ON THE DRAWING IS SOLELY FOR THE USE BY GZAS CLIENT OR THE CLIENT'S DESIGNATED REPRESENTATIVE FOR THE SPECIFIC PROJECT AND LOCATION IDENTIFIED ON THE DRAWING. THE DRAWING SHALL NOT BE TRANSFERRED, REUSED, COPIED, OR ALTERED IN ANY MANNER FOR USE AT ANY OTHER LOCATION OR FOR ANY OTHER PURPOSE WITHOUT THE PRIOR WRITTEN CONSENT OF GZA, ANY TRANSFER, REUSE, OR MODIFICATION TO THE DRAWING BY THE CLIENT OR OTHERS, WITHOUT THE PRIOR WRITTEN EXPRESS CONSENT OF GZA, WILL BE AT THE USER'S SOLE RISK AND WITHOUT ANY RISK OR LIABILITY TO GZA.

TRANSITION AS REQUIRED