

MEMORANDUM

TO: North Yarmouth Planning Board

Through Ben Scipione, Code Enforcement Officer

CC: Tara Mullen, Colliers Engineering & Design

From: Kate Burch, Planner, North Star Planning

RE: Hemlock House Development - Preapplication Meeting November 14,

2023

Date: November 6, 2023

Overview

The applicant submitted a preapplication and sketch plan for a cluster subdivision of 6 single-family homes with 50% open space reserved along the Royal River. A new private dead-end road will be built off Deer Brook Apartments Road. Lot 1 will have frontage of Deer Brook Apartments Road, and Lots 2-6 will have frontage off the new private road. The western property boundary is the North Yarmouth/Gray town line. Maine Central Railroad has an easement through the property. The railroad easement is located in the part of the parcel proposed as open space.

The property has a net residential area of 18.76 acres, which will allow a net residential density of 6 units. As a cluster subdivision, the applicant proposes to reduce lot sizes and street frontages.

The lots will be served by public water from the town of Gray and private septic. The Gray Water District has indicated that the applicant will need to upgrade the existing water line to serve the subdivision.

The North Yarmouth Fire Chief reviewed the plan and finds the proposed layout acceptable for fire safety. Two fire hydrants will need to be installed: one at the intersection of Deer Brook Apartments Road and the new private road, and one located near the cul-de-sac.

This project is a subdivision amendment because there is an approved subdivision recorded in the registry of deeds for this property. The previously approved subdivision, "Deer Brook Apartments Phase 2" was approved and signed by the Planning Board on March 22, 2021 for the previous owners, United Properties Inc. The approved project consisted of 6 units in 3 duplexes, and was not developed. The property has since changed ownership.

Applicant: Tara Mullen

Owner: Hemlock Housing Development LLC

Location: 493 Gray Road

Zoning: Farm & Forest

Tax Map Number: Map 15 Lot 27

Existing Land Use: subdivision

Proposed Land Use: cluster subdivision

Acreage: 33.6 acres

Waivers: None requested

Site Walk: The Planning Board should schedule a site visit within 30 days of

this preapplication meeting.

Public Hearing: A public hearing is not required at this stage.

Application Completeness: The project meets preapplication submission

requirements.

Subdivision Review - Findings of Fact:

- 1. General Layout: Lots, Blocks, Utilities, Monuments, and Back Lots
- The applicant proposes to subdivide tax map 15 lot 27 into six residential lots.
- The project meets the net residential density of 1 unit per 3 acres.
- The proposed project is a cluster subdivision with 50% of the total land area adjacent to the Royal River reserved.
- As a cluster subdivision, lot sizes and frontages will be reduced from the Farm & Forest minimum.
- Public water is available from existing infrastructure in Gray. The applicant will need to upgrade the water line.
- The applicant should provide a letter demonstrating capacity from the Gray Water District with the preliminary subdivision plan.
- The applicant should show buildable areas and septic locations on the preliminary subdivision plan.
- The applicant should confirm that all lots with buildings will have adequate access for emergency vehicles.

2. Erosion and Sedimentation Control

- The topography on site includes 9.63 acres of slopes greater than 20%.
- The applicant should discuss the erosion control best management practices at the preapplication meeting.
- The applicant should provide erosion control details in the notes section and shown on the plan for the next submission.

3. Financial and Technical Capacity

• The applicant should provide a letter of financial capacity demonstrating the ability to carry out the project for the next submission.

4. Floodplain Management

- Land adjacent to the Royal River is part of the 100-year flood plan. This land is included in the reserved open space.
- 5. Historic and Archaeological Sites
- The applicant should confirm no historic or archaeological resources are located within the subdivision.
- 6. Sewage and Solid Waste Disposal
- The new homes will rely on septic for wastewater disposal.
- The applicant should show proposed building envelopes and septic locations at the next meeting.
- The applicant should discuss provisions for solid waste disposal at the next meeting.
- 7. Soil Suitability
- The applicant has attached a NRCS Cumberland County Soil Survey.
- The applicant should detail information about soil suitability for development and septic test pits in their next submission.
- 8. Recreation and Open Space Land Development
- The applicant proposes to permanently conserve 50% of the parcel, adjacent to the Royal River, as open space.
- The applicant should confirm if there will be public access to this open space.
- 9. Water Supply
- The subdivision will use public water available from the Gray Water District.
- The applicant will need to upgrade the existing water line to 8" to serve the subdivision.

10. Water Quality

- The subdivision will not adversely impact groundwater quality.
- 11. Subdivision Street Connectivity
- The applicant proposes to build a new private road off the existing private Deer Brook Apartments Road.
- When this subdivision is constructed, Deer Brook Apartments Road will have the maximum allowed 12 units accessed via a dead end road.
- The North Yarmouth Fire Chief reviewed the plan and finds the proposed layout acceptable for fire safety.
- The applicant should detail road design in future submissions.

Conclusions of Law:

- 1. The proposed subdivision **will/will not** result in undue water or air pollution.
- 2. The proposed subdivision **will/will not** have sufficient water available for the reasonably foreseeable needs of the subdivision.
- 3. The proposed subdivision **will/will not** cause an unreasonable burden on an existing water supply.
- 4. The proposed subdivision **will/will not** cause unreasonable soil erosion or reduction in the capacity of the land to hold water.
- 5. The proposed subdivision **will/will not** cause unreasonable highway or public road congestion or unsafe conditions.
- 6. The proposed subdivision **will/will not** provide for adequate solid and sewage waste disposal.
- 7. The proposed subdivision **will/will not** cause an unreasonable burden on the ability of a municipality to dispose of solid waste and sewage.
- 8. The proposed subdivision **will/will not** place unreasonable burden on the ability of the local governments to provide municipal or governmental services.
- 9. The proposed subdivision **will/will not** have an undue adverse effect on the scenic or natural beauty of the area.
- 10. The proposed subdivision **will/will not** be in conformance with a duly adopted subdivision regulation or ordinance.
- 11. The subdivider **will/will not** have adequate financial and technical capacity to meet the standards.
- 12. Whenever situated, in whole or in part, within 250 feet of any pond, lake, river or tidal waters, the proposed subdivision **will/will not** adversely affect the quality of such body of water.
- 13. The 100-year flood boundary is/is not shown on the plan.
- 14. All freshwater wetlands **have/have not** been identified on maps submitted as part of the application.
- 15. All farmland within the proposed subdivision **has/has not** been identified on maps submitted as part of the application.
- 16. Any rivers, streams, or brooks within or abutting the proposed subdivision **have/have not** been identified on maps submitted as part of the application.

- 17. The proposed subdivision **will/will not** provide for adequate storm water management.
- 18. Any lots in the proposed subdivision with frontage on a river, stream, brook, or great pond **have/do not have** a lot depth to shore frontage ratio greater than 5 to 1.
- 19. The long-term cumulative effects of the proposed subdivision **will/will not** unreasonably increase the great pond's phosphorus concentration during the construction phase and life of the proposed subdivision.
- 20.If the subdivision crosses municipal boundaries, the proposed subdivision **will/will not** cause unreasonable traffic congestion or unsafe conditions with respect to the use of existing public ways in an adjoining municipality.
- 21. Timber on the parcel **has/has not** been harvested in violation of liquidation harvesting statutes and rules.



TOWN OF NORTH YARMOUTH

PLANNING BOARD REQUEST FOR HEARING

NAME OF APPLICANT:	PHONE #:
EMAIL:	ALT. PHONE#:
FULL ADDRESS:	
PROPERTY ADDRESS:	
MAP: LOT: ZONE:	
AGENT/REPRESENTATIVE (if other):	PHONE #:
EMAIL:	
FULL ADDRESS:	
The undersigned requests the North Yarmouth Planning	Board consider the following application for:
Pre-application Sketch Plan Review	Major Subdivision
Minor Subdivision	Site Plan Review
Contract Zoning	
Other (Specify):	
 This form and appropriate materials must be filed than (fourteen) 14 days prior to the regular meeti Applications shall be accompanied by all applicati applicable ordinance(s), checklists and fee schedu All applications shall include all materials and cop requirements form. All materials in color shall be copied in color. 	ing of the Board (2 nd Tuesday monthly). ions fee and materials required by the ule.
Application Authorization I hereby make application to the Town of North Yarmout and the development as described. To the best of my kn accurate and is in accordance with the Zoning and Subdiv waivers are requested. The Town of North Yarmouth Pla	nowledge, the information provided herein is vision Ordinances of the Town, except where
improvements as a result of an approval of this proposal appearing, or having someone appear on my behalf, at a	. I understand that I am responsible for
improvements as a result of an approval of this proposal.	. I understand that I am responsible for III meetings before the Planning Board.

10 VILLAGE SQUARE ROAD, NORTH YARMOUTH, MAINE 04097 PHONE: (207) 829-3705 * FAX: (207) 829-3743



October 10, 2023

North Yarmouth Planning Board 10 Village Square Rd North Yarmouth, ME 04097

494 Grey Road, North Yarmouth Colliers Engineering & Design Project No. 23012531A

Dear North Yarmouth Planning Board:

Please find enclosed Sketch Plan and Pre-Application Documents for a potential project at 494 Grey Road, North Yarmouth. This site came before the board previously as "Deer Brook Apartments (Phase 2)" as approved and signed by the planning board on 3/22/21 for the owner United Properties, Inc. as recorded in Plan Book 221, Page 175. The approved project was not developed.

The applicant, Hemlock Housing Development, LLC, purchased the property in September 2023, see Book 40370, Page 300. The applicant is seeking to create a cluster subdivision of single-family homes with 50% open space along the Royal River. The current net residential area calculations support six additional dwellings. The area will be served by the existing public water infrastructure and proposed induvial septic systems.

Sincerely,

Colliers Engineering & Design, Inc.

Tara Mullen, PLS

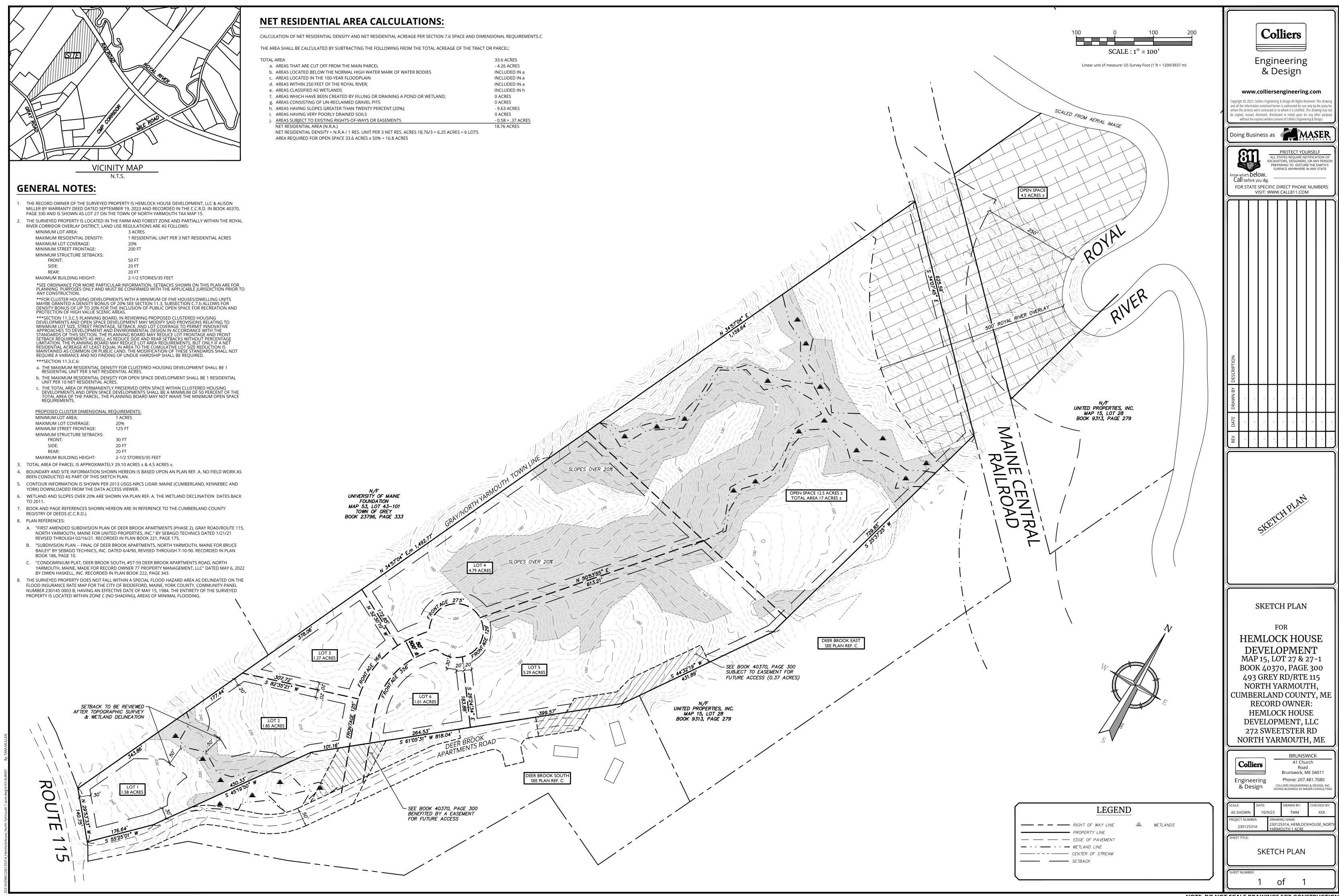
Jara Mullen

Senior Project Surveyor

Project No. 23012531A October 3, 2023 Page 2 | 2



Included Documentation	Page
Sketch Plan 493 Gray Road	1
Authorization Email	2
Current Deed with Road Easement Book 40370, Page 300	3-8
Web Soil Survey of the area	9-11
Detail of USGS Topographic Map, Cumberland Center, ME 2021	12
North Yarmouth Tax Map 15	13
Previously Approved First Amended Subdivision Plan, Plan Book 221, Page 175	14



NOTE: DO NOT SCALE DRAWINGS FOR CONSTRUCTION.

From: Jonathan Miller < Jon@hemlockhousedev.com>

Sent: Wednesday, October 4, 2023 11:05 AM

Tara Mullen To:

Subject: RE: Authorization Agent Email - 494 Grey Road, North Yarmouth

This message originated from outside your organization

Tara,

Please let this email serve as authorization for you and other Colliers employees to sign and submit the subdivision application and any other related documents to the North Yarmouth planning board. This authorization is in regards to the subdivision project at 493 Gray rd in North Yarmouth, ME

Thank you Jon Miller 207-712-4068

From: Tara Mullen <Tara.Mullen@collierseng.com>

Sent: Tuesday, October 3, 2023 3:20 PM

To: Jonathan Miller < Jon@hemlockhousedev.com>

Subject: Authorization Agent Email - 494 Grey Road, North Yarmouth

Hi,

Mind replying in the affirmative so I can sign applications and speak on behalf of the project for the Planning Board? Need something in writing to include in the application.

I, Joh Miller on behalf of Hemlock Housing Development, LLC authorize, Tara Mullen, to sign and submit the subdivision application on my behalf for the subdivision plan at 494 Grey Road to the Town of North Yarmouth Planning Board.

Best,

Tara Mullen, PLS

Senior Project Surveyor

tara.mullen@collierseng.com

Direct: 207 481 7071 | Cell: 207 325 1914 | Main: 877 627 3772

41 Church Road | Brunswick, Maine 04011











<u>colliersengineering.com</u> <u>affiliated authorized entities</u>



(SPACE ABOVE RESERVED FOR RECORDING INFORMATION)

DLN#1002340249578

WARRANTY DEED

(Corporate Grantor)

77 Property Management, LLC, a Maine Limited Liability Company, with a mailing address of 68 Fellows Street, South Portland, Maine 04106, for consideration paid, grants to Hemlock House Development LLC and Alison Miller, both with a mailing address of 272 Sweetser Road, North Yarmouth, Maine 04097 with Warranty Covenants, as Tenants in Common, the land and interest in land, together with all buildings and improvements now located thereon, situated in North Yarmouth, County of Cumberland and State of Maine, described as follows:

PARCEL ONE

A certain lot or parcel of land located on the easterly side of Gray Road and the northerly side of Deer Brook Apartments Road in the Town of North Yarmouth, County of Cumberland, State of Maine, bounded and described as follows:

Beginning at a point on the at the intersection of the northerly side of Deer Brook Apartments Road with the easterly side of Gray Road. Thence:

- 1) N 14°56' 54" W by said Gray Road a distance of One Hundred Forty and 76/100 (140.76) feet to a point on the apparent line between the Town of North Yarmouth and the Town of Gray at land now or formerly of Stewart T. Vreeland and Mary B. Vreeland as recorded in the Cumberland County Registry of Deeds in Book 24201, Page 165;
- 2) N 49°53'43" E by said Town Line, said land of Vreeland and land now or formerly of the University of Maine Foundation as described in a deed recorded in said Registry in Book 2379, Page 333 a distance of Two Thousand Six Hundred Fifty-Two and 41/100 (2.652.41) feet to a point on the southwesterly side of the Maine Central Railroad;
- 3) S 19°11'06" E by said Maine Central Railroad a distance of Six Hundred Twenty-Five and 59/100 (625.59) feet to a point at remaining land of the Grantor;
- 4) S 40°34'04" W by said remaining land of the Grantor a distance of Seven Hundred Twenty-Nine and 85/100 (729.85) feet to a point;
- 5) S 59°28'58" W by said remaining land of the Grantor a distance of Four Hundred Thirty-One and 89/100 (431.89) feet to a point;

- 6) S 76°02'10" W by said remaining land of the Grantor a distance of Eight Hundred Eighteen and 04/100 (818.04) feet to a point;
- 7) S 60°16'29" W by said land of the Grantor and said Deer Brook Apartment Road a distance of Four Hundred Fifty and 33/100 (450.33) feet to a point;
- 8) S 70°21'40" W by said Deer Brook Apartment Road a distance of One Hundred Seventy-Six and 64/100 (176.64) feet to the point of beginning.

Bearings are based on magnetic north 1982.

The above described Parcel One contains 29.1 acres being a portion of land now or formerly of 77 Property Management, LLC as described in a deed recorded in the Cumberland County Registry of Deeds in Book 39091, Page 101.

The above described Parcel One benefits from a right of way on the easterly side of Gray Road in the Town of North Yarmouth, County of Cumberland, State of Maine, bounded and described as follows:

Beginning at a point at the intersection of the northerly side of Deer Brook Apartments Road, being delineated on a plan entitled "Condominium Plat Deer Brook South" made for 77 Property Management, LLC by Owen Haskell, Inc., as recorded in the Cumberland County Registry of Deeds in Plan Book 222, Page 343, with the easterly side of Gray Road. Thence:

- 1) N 70° 21' 40" E by said Deer Brook Apartments Road a distance of One Hundred Seventy-Six and 64/100 (176.64) feet to a point;
- 2) N 60° 16′ 29" E by said Deer Brook Apartments Road a distance of Ninety-Three and 95/100 (93.95) feet to a point of curvature;
- 3) Easterly by said Deer Brook Apartments Road, following a curve to the right having a radius of One Hundred Twenty-Five and 00/100 (125.00) feet, an arc distance of Seventy and 70/100 (70.70) feet to a point of tangency;
- 4) S 87° 19' 00" E by said Deer Brook Apartments Road a distance of Forty and 04/100 (40.04) feet to a point;
- 5) S 84° 41' 02" E by said Deer Brook Apartments Road a distance of Seventy-Seven and 48/100 (77.48) feet to a point of curvature;
- 6) Easterly by said Deer Brook Apartments Road, following a curve to the left having a radius of One Hundred Seventy-Five and 00/100 (175.00) feet, an arc distance of One Hundred Seven and 81/100 (107.81) feet to a point of tangency;
- 7) N 60° 01' 02" E by said Deer Brook Apartments Road a distance of Thirty-Six and 10/100 (36.10) feet to a point;

- 8) N 22° 24' 16" E through land designated as "Deer Brook South" as delineated on said Plan a distance of One Hundred Fifty-Eight and 28/100 (158.28) feet to a point at land designated as "Deer Brook North" as delineated on said Plan;
- 9) N 76° 02' 10" E by said land of Deer Brook North a distance of One Hundred Twenty-Four and 19/100 (124.19) feet to a point;
- 10) S 22° 24′ 16″ W through said land of Deer Brook South and across said Deer Brook Apartments Road a distance of One Hundred Eighty-Four and 06/100 (184.06) feet to a point on the southerly side of said Deer Brook Apartments Road;
- 11) S 60° 01' 02" W by said Deer Brook Apartments Road a distance of One Hundred Thirty-Five and 05/100 (135.05) feet to a point of curvature;
- 12) Westerly by said Deer Brook Apartments Road, following a curve to the right having a radius of Two Hundred Twenty-Five and 00/100 (225.00) feet, an arc distance of One Hundred Thirty-Eight and 62/100 (138.62) feet to a point of tangency;
- 13) N 84° 41' 02" W by said Deer Brook Apartments Road a distance of Seventy-Six and 33/100 (76.33) feet to a point;
- 14) N 87° 19' 00" W by said Deer Brook Apartments Road a distance of Thirty-Eight and 89/100 (38.89) feet to a point of curvature;
- 15) Westerly by said Deer Brook Apartments Road, Following a curve to the left having a radius of Seventy-Five and 00/100 (75.00) feet, an arc distance of Forty-Two and 42/100 (42.42) feet to a point of tangency;
- 16) S 60° 16' 29" W by said Deer Brook Apartments Road a distance of One Hundred Forty-Two and 20/100 (142.20) feet to a point at land now or formerly of Michael W. Rankin as described in a deed recorded in said Registry in Book 32121, Page 285;
- 17) S 73° 46' 39" W by said land of Rankin a distance of One Hundred Forty-Eight and 96/100 (148.96) feet to a point on the easterly side of Gray Road;
- 18) N 05° 33' 39" W by said Gray Road a distance of Forty-One and 61/100 (41.61) feet to a point;
- 19) N 14° 56′ 55″ W by said Gray Road a distance of Eight and 47/100 (8.47) feet to the point of beginning.

Bearings are based on magnetic north 1982.

The above right of way contains 50,849 square feet lying over a portion of land designated as "Deer Brook Apartments Road" and a portion of land designated as "Deer Brook South" both

Doc#: 33490 Bk:40370 Fe: 303

being delineated on a plan entitled "Condominium Plat Deer Brook South" made for 77 Property Management, LLC by Owen Haskell, Inc. as recorded in the Cumberland County Registry of Deeds in Plan Book 222, Page 343. This right of way is specifically intended to benefit any further future lots created out of the property herein conveyed. Maintenance costs associated with said right of way including plowing, shall be split evenly between the grantor and grantee herein.

The above described Parcel One is subject to a certain access easement located easterly of, but not adjacent to, Gray Road in the Town of North Yarmouth, County of Cumberland, State of Maine, bounded and described as follows:

Beginning at a point on the common line between lands designated as "Deer Brook South" and "Deer Brook North" as delineated on a plan entitled "Condominium Plat Deer Brook South" made for 77 Property Management, LLC by Owen Haskell, Inc. as recorded in the Cumberland County Registry of Deeds in Plan Book 222, Page 343, said point of beginning being located N 76°02'10" E by said common line a distance of Eighty and 27/100 (80.27) feet from the northeasterly terminus of a right of way designated as "Deer Brook Apartments Road" as delineated on said Plan. Thence:

- 1) N 24°30'59" E through said land of Deer Brook North a distance of Forty-One and 19/100 (41.19) feet to a point;
- 2) N 76°02'10" E through said land of Deer Brook North a distance of One Hundred Eleven and 86/100 (111.86) feet to a point;
- 3) N 36°55'54" E through said and of Deer Brook North a distance of Forty-Two and 10/100 (42.10) feet to a point;
- 4) N 59°28'58" E through said and of Deer Brook North a distance of Two Hundred Nine and 97/100 (209.97) feet to a point;
- 5) S 30°31'02" E through said and of Deer Brook North a distance of Fifty and 00/100 (50.00) feet to a point at land designated as "Deer Brook East" on said Plan;
- 6) S 59°28'58" W by said land of Deer Brook East and said land of Deer Brook South a distance of Two Hundred Forty-Eight and 13/100 (248.13) feet to a point;
- 7) S 76°02'10" W by said land of Deer Brook South a distance of One Hundred Forty-Seven and 82/100 (147.82) feet to the point of beginning.

Bearings are based on magnetic north 1982.

The above described easement contains 16,303 square feet lying over land designated as "Deer Brook North" as delineated on a plan entitled "Condominium Plat Deer Brook South" made for 77 Property Management, LLC by Owen Haskell, Inc. as recorded in the Cumberland County Registry of Deeds in Plan Book 222, Page 343.

DOC:33490 BK:40370 PG:304

PARCEL TWO

A certain lot or parcel of land located easterly of, but not adjacent to, Gray Road in the Town of North Yarmouth, County of Cumberland, State of Maine, bounded and described as follows:

Beginning at a point on the northeasterly side of the Maine Central Railroad the apparent Town Line between the Towns of Gray and North Yarmouth and land now or formerly of the University of Maine Foundation as described in a deed recorded in Cumberland County Registry of Deeds in Book 2379, Page 333, said point of beginning being located N 49°53'43" E a distance of One Hundred Twenty-Four and 19/100 (124.19) feet from the northerly corner of the above described Parcel One (the point at the end of course #2). Thence:

- 1) N 49°53'43" E a distance of Two Hundred Ten, more or less (210+/-) feet to the southwesterly side of the Royal River;
- 2) Southeasterly by said Royal River a distance of Eight Hundred Twenty, more or less, (820+/-) feet to a point at remaining land of the Grantor;
- 3) S 40°34'04" W by said remaining land of the Grantor a distance of Two Hundred Sixty, more or less, (260+/-) feet to a point on the said Maine Central Railroad, said point being located N 40°34'04" E a distance of One Hundred Thirty-Four and 28/100 (134.28) feet from the easterly corner of the above described Parcel One (the point at the end of course #3);
- 4) N 19°11'06" W by said Maine Central Railroad a distance of Six Hundred Two and 30/100 (602.30) feet to the point of beginning.

Bearings are based on magnetic north 1982.

The above described Parcel Two contains 4.3 acres more or less, being a portion of land now or formerly of 77 Property Management, LLC as described in a deed recorded in the Cumberland County Registry of Deeds in Book 39091, Page 101.

Being a portion of the premises conveyed to 77 Property Management, LLC, by virtue of a deed from United Properties Inc. dated January 14, 2022, and recorded in the Cumberland County Registry of Deeds in Book 39091, Page 101.

DOC:33490 BK:40370 PG:305

RECEIVED - RECORDED, CUMBERLAND COUNTY REGISTER OF DEEDS

09/20/2023, 10:11:23A

Register of Deeds Jessica M. Spaulding E-RECORDED

Witness

77 PROPERTY MANAGEMENT, LLC

By: Benjamin Downs
Its: Authorized Sole Member

STATE OF MAINE COUNTY OF CUMBERLAND

September <u>19</u>, 2023

Personally appeared the above named Benjamin Downs, the Authorized Sole Member of 77 Property Management, LLC and acknowledged the foregoing instrument to be his free act and deed in his said capacity and the free act and deed of said 77 Property Management, LLC.

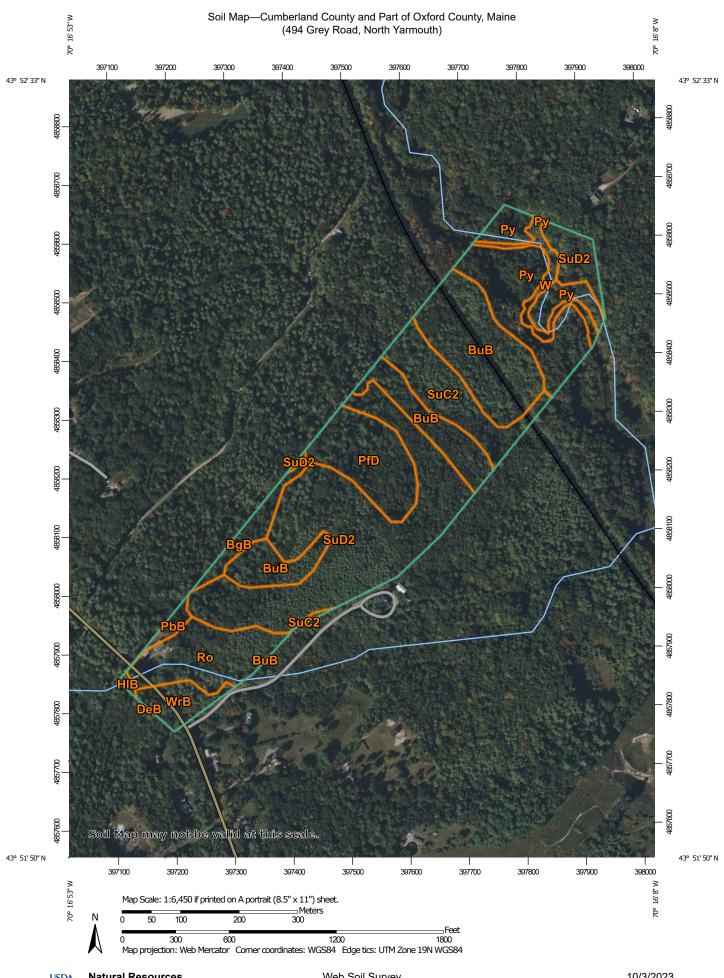
Before me.

Eric J. Schaeffer Attorney at Law

Vetary Public/Attorney-at-Law

After recording return to:
Alison Miller
272 Sweetser Road
North Yarmouth, ME 04097

230423-S

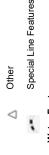


National Cooperative Soil Survey Web Soil Survey

MAP LEGEND

W 8 Soil Map Unit Polygons Area of Interest (AOI) Soil Map Unit Points Soil Map Unit Lines Special Point Features Area of Interest (AOI) Soils

Very Stony Spot Spoil Area Stony Spot Wet Spot Other























Streams and Canals

Borrow Pit Clay Spot

Blowout



Closed Depression





Gravelly Spot

Gravel Pit





Marsh or swamp

Lava Flow

Landfill

Mine or Quarry

Miscellaneous Water

Perennial Water

Rock Outcrop

Aerial Photography

Source of Map: Natural Resources Conservation Service measurements.

Please rely on the bar scale on each map sheet for map

contrasting soils that could have been shown at a more detailed misunderstanding of the detail of mapping and accuracy of soil

line placement. The maps do not show the small areas of

Enlargement of maps beyond the scale of mapping can cause

Warning: Soil Map may not be valid at this scale.

The soil surveys that comprise your AOI were mapped at

1:24,000.

MAP INFORMATION

Coordinate System: Web Mercator (EPSG:3857) Web Soil Survey URL:

Maps from the Web Soil Survey are based on the Web Mercator distance and area. A projection that preserves area, such as the projection, which preserves direction and shape but distorts Albers equal-area conic projection, should be used if more accurate calculations of distance or area are required. This product is generated from the USDA-NRCS certified data as of the version date(s) listed below.

Cumberland County and Part of Oxford Survey Area Data: Version 20, Sep 5, 2023 Soil Survey Area: County, Maine

Soil map units are labeled (as space allows) for map scales 1:50,000 or larger. Date(s) aerial images were photographed: Jun 19, 2020—Sep 20, 2020

The orthophoto or other base map on which the soil lines were compiled and digitized probably differs from the background imagery displayed on these maps. As a result, some minor shifting of map unit boundaries may be evident.

Severely Eroded Spot

Slide or Slip Sodic Spot

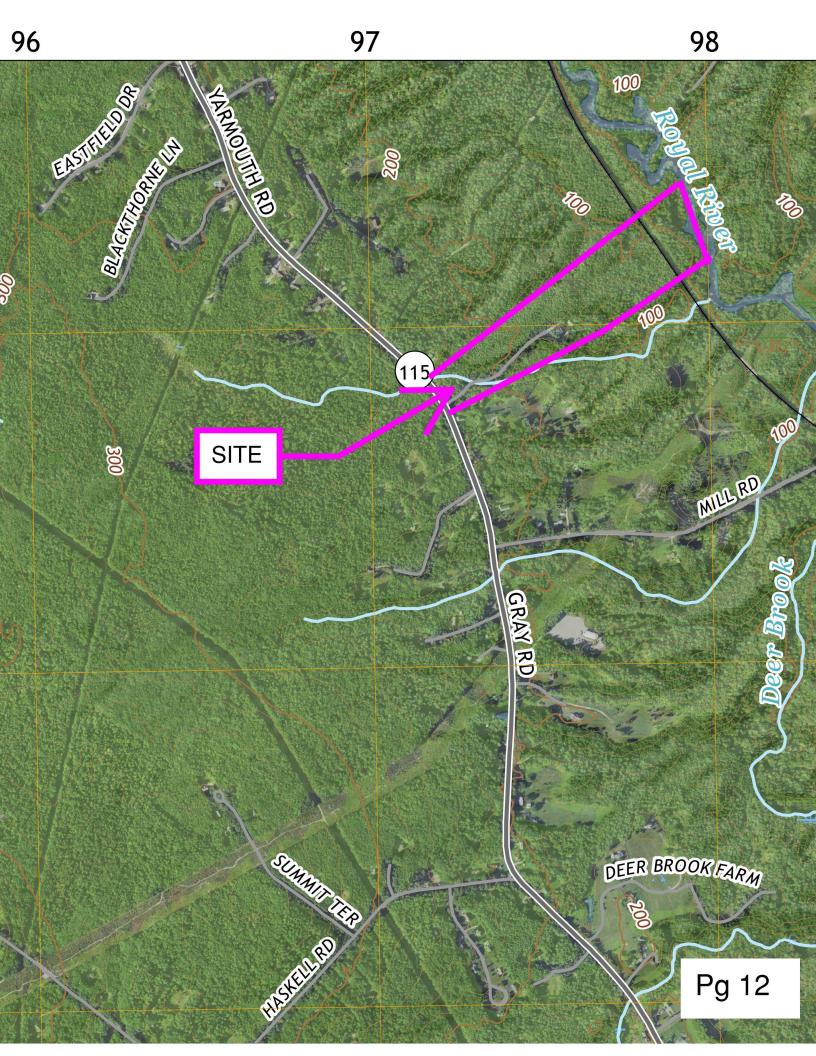
Sinkhole

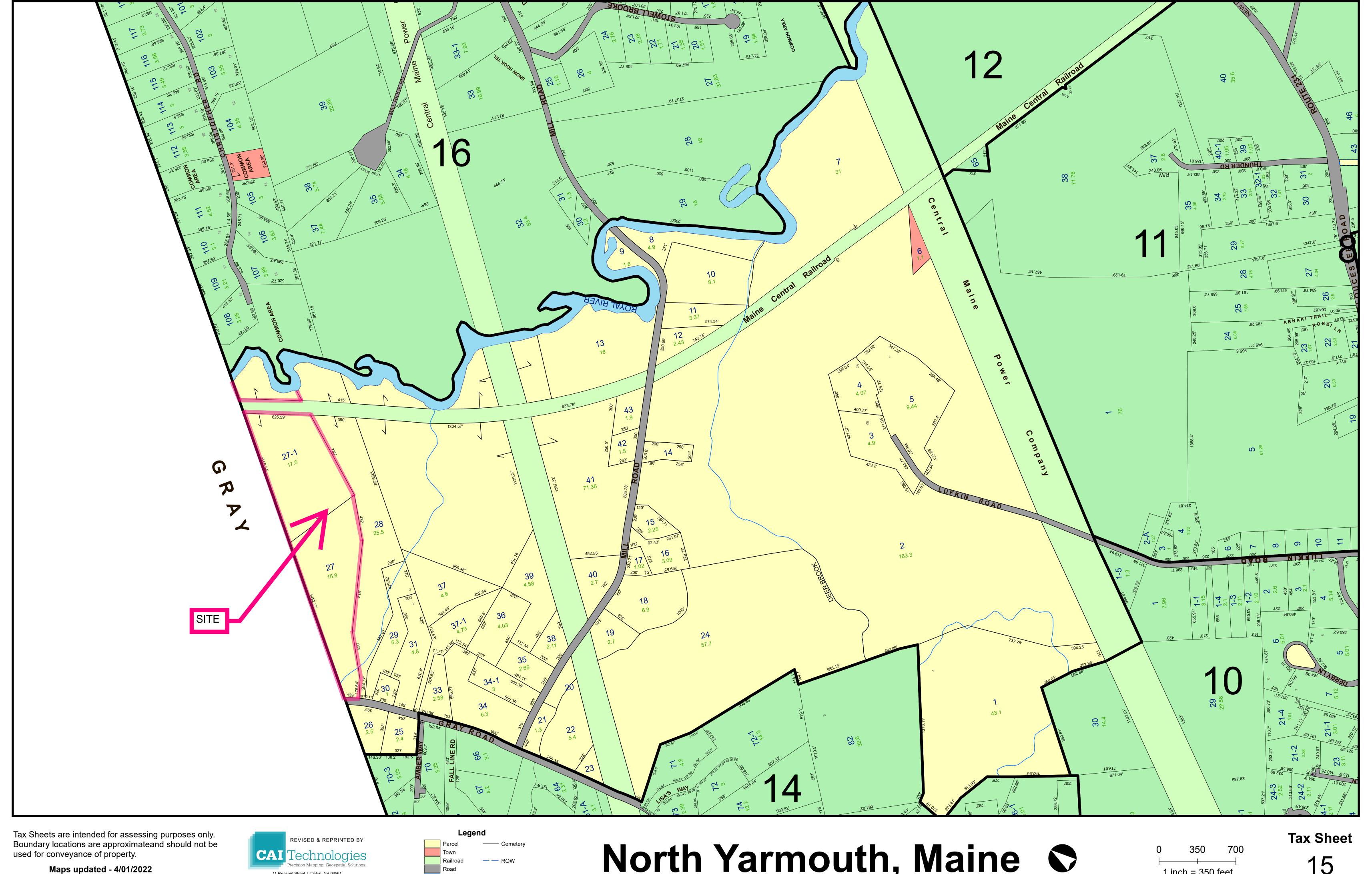
Sandy Spot Saline Spot

USDA

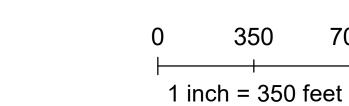
Map Unit Legend

Map Unit Symbol	Map Unit Name	Acres in AOI	Percent of AOI
BgB	Nicholville very fine sandy loam, 0 to 8 percent slopes	1.6	2.5%
BuB	Lamoine silt loam, 3 to 8 percent slopes	12.9	21.0%
DeB	Deerfield loamy fine sand, 3 to 8 percent slopes	0.0	0.0%
HIB	Hinckley loamy sand, 3 to 8 percent slopes	0.1	0.2%
PbB	Paxton fine sandy loam, 3 to 8 percent slopes	0.5	0.9%
PfD	Paxton very stony fine sandy loam, 15 to 25 percent slopes	5.2	8.5%
Ру	Podunk fine sandy loam, 0 to 3 percent slopes, occasionally flooded	8.2	13.4%
Ro	Rock outcrop-Lyman complex, 0 to 80 percent slopes, very stony	5.2	8.4%
SuC2	Suffield silt loam, 8 to 15 percent slopes, eroded	4.9	8.0%
SuD2	Suffield silt loam, 15 to 25 percent slopes, eroded	19.4	31.6%
W	Water	1.5	2.5%
WrB	Woodbridge fine sandy loam, 0 to 8 percent slopes	1.8	2.9%
Totals for Area of Interest		61.5	100.0%

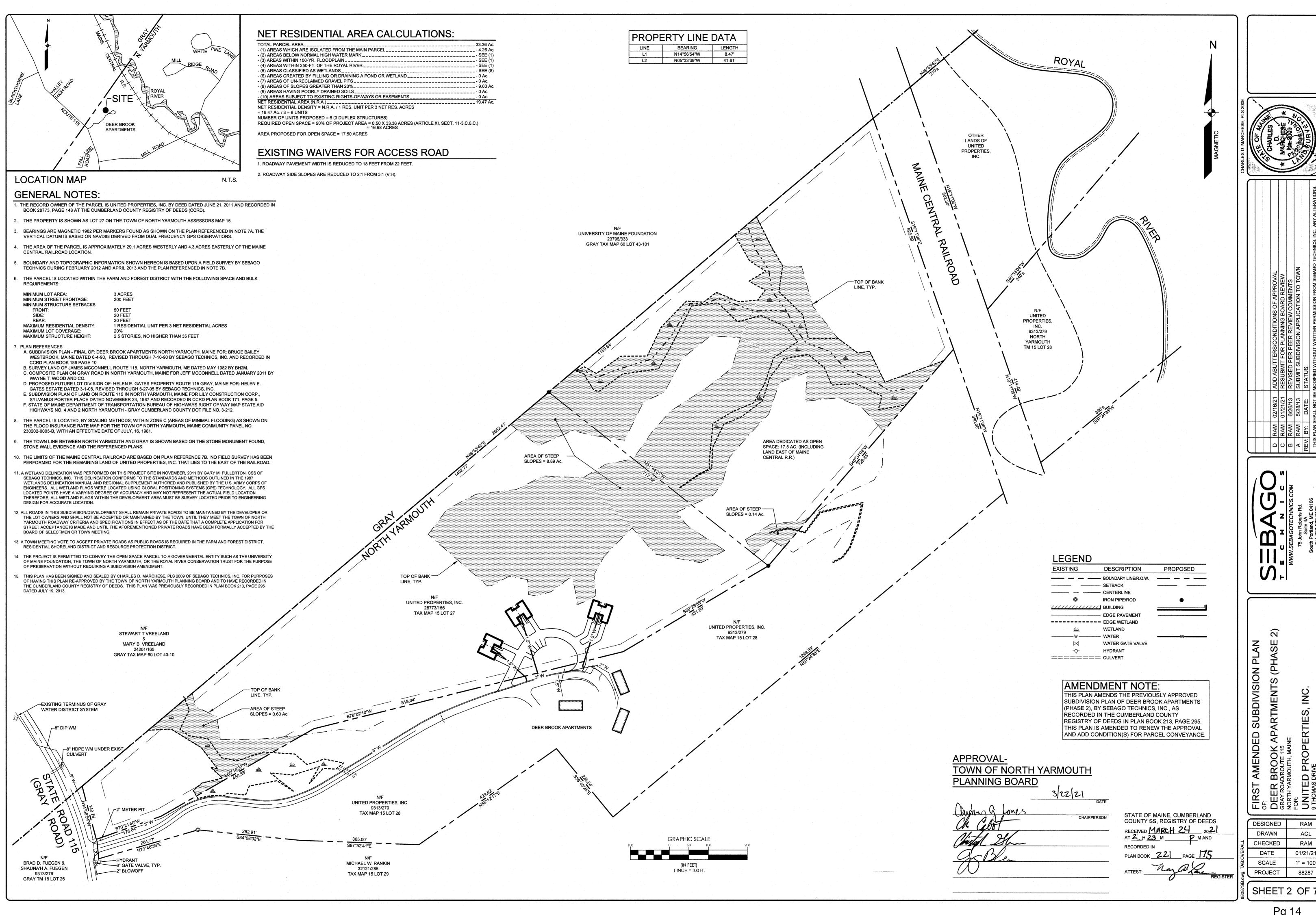




North Yarmouth, Maine



15



ACL

RAM

01/21/21

88287