Project ApplicationLand Use Department

P.O. Box 660; 333 Calef Hwy, Barrington, NH 03825 • Phone: 603-664-5798 • Fax: 603-664-0188

Case Number:	Project Name: McMahon	Date ₃₋₁₂₋₁₉
	Staff Signature required PRIOR	
PRELIMINARY APPLICATION: F		Design Review Development of Regional Impact
FORMAL APPLICATION:		
	Minor Conventional Minor	
	Permit Sign Permit Extension for Site Plan or Subdiv Subdivision/Site Plan Approval O	Boundary Line Adjustment Special Permit vision Completion
Project Name: Meetinghouse	Road	16.95 A
Project Address: Meetingho	use Road & Oak Hill Road	Area (Acres or S.F) 11.00 A
Current Zoning District(s): G	eneral Residential	Map(s) 234 Lot(s) 31, 31-4
Request:	owered Residential	Lot(s) 31, 31-4
All	r the project. This person (the applicant) shall at d will communicate all case information to other contacts for this project will be made through	ttend pre-application conferences and public hearings, will receive the r parties as required. h the Applicant listed below.
Owner: Donetta Haley		
Company		
Phone: 603-591-7801	Fax: Ington NH 03825	E-mail:
Address: F.O. Box 367, Barri	ngton NH 03825	
Applicant (Contact): Michael H	. & lisa M. McMahon	
Company Phone: 603-553-3020		
Address: 139 Stage Road, Ham	Fax: nsptead, NH 03841	E-mail:
Developer: Same as applicant		
Company		
Address:		E-mail:
Architect:		
Phone: Address:	Fax:	E-mail:
Engineer: Kenneth A. Berry		
Company Berry Surveying &	Engineering	
Phone: 603-332-2863	Fox:	E-mail: kberry@berrysurveying.com
Address: 335 Second Crown Po:	int Road, Barrington NH 03	825 crberry@metrocast.net
	(HU)	- 25
Owner Signature	Applicant Signature	- OFFICE
Barbara Thurn	1 Approant Signature 3	-12-19. I AND USE S.
Staff Signature	Date	LAND USE OFFICE
)		lates,

Revised 12-07-2011

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Applicant: McMahon

Case# 234-31+31.4-6B-19-(6nSub

Subdivision, Site Review, and Lot Line Adjustment Application Checklist Barrington Planning Board Adopted January 20, 2009

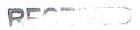
This checklist is intended to assist applicants in preparing a complete application for subdivision as required by the Barrington Subdivision Regulations and must be submitted along with all subdivision applications. An applicant seeking subdivision approval shall be responsible for all requirements specified in the Barrington Subdivision Regulations even if said requirements are omitted from this checklist.

An applicant seeking subdivision approval shall be responsible for providing all the information listed in the column below entitled "Subdivision" and should place an "x" in each box to indicate that this information has been provided. If an item is considered unnecessary for certain applications the "NA" box should be marked instead indicating "Not Applicable". Only certain checklist items are required for lot line adjustments, as noted by the applicable check boxes below.

Check The Appropriate Box or Boxes Below:				
Lot Line Relocation Site Plan Subdivision Plan See Section I & II See Sections I & II See Sections I, II, III, IV & V				
See Section I & II See Sections I & II See Sections I, II, III, IV & V				
	Jed			.
	Provided	M		
	<u>a</u>			
Section I.				
General Requirements	.'			
Completed Application Form	. 🛛			
2. Complete abutters list	X			
Payment of all required fees	X			٠.
4. Five (5) full size sets of plans and six /2 sets of plans 11" by 17"submitted with all	X			
required information in accordance with the subdivision regulations and this				
checklist	<u>.</u>			
Copies of any proposed easement deeds, protective covenants or other legal documents	Ø			
Any waiver request(s) submitted with justification in writing	X			
7. Technical reports and supporting documents (see Sections IX & X of this checklist)	X			
Completed Application Checklist	X	П	-	
Section II.				
General Plan Information	17			.
1. Size and presentation of sheet(s) per registry requirements and the subdivision	X			
regulations				
2. Title block information:	X			
a. Drawing title	X			
b. Name of subdivision	X			
c. Location of subdivision	X			
d. Tax map & lot numbers of subject parcel(s)	X			

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e. Name & address of owner(s)				
f. Date of plan	[3]	Ū		
g. Scale of plan	<u> </u>			
h. Sheet number	X			***************************************
l. Name, address, & telephone number of design firm	区			-
Name and address of applicant	Ø		-11-11-11-1	
Révision block with provision for amendment dates				
4. Planning Board approval blook provided on each sheet to be recorded	Ø			
Certification block (for engineer or surveyor)	Ø		•	
6. Match lines (If any)	X			
7. Zoning designation of subject parcel(s) including overlay districts	2		,	
Minimum lot area, frontages & setback dimensions required for district(s)	Ø			
List Federal Emergency Management Agency (FEMA) sheet(s) used to	Ø		******	
Identify 100-year flood elevation, locate the elevation				
10. Note the following: "If, during construction, it becomes apparent that deficiencies exist in the approved design drawings, the Contractor shall be required to correct the deficiencies to meet the requirements of the regulations at no expense to the Town."	⊠.	ı.		
11. Note the following: "Required erosion control measures shall be installed prior to any disturbance of the site's surface area and shall be maintained through the completion of all construction activities. If, during construction, it becomes apparent that additional erosion control measures are required to stop any erosion on the construction site due to actual site conditions, the Owner shall be required to install the necessary erosion protection at no expense to the Town."	X			
12. Note identifying which plans are to be recorded and which are on file at the town.	図			
13. Note the following: "All materials and methods of construction shall conform to Town of Barrington Subdivision Regulations and the latest edition of the New	Ø	ō		
Hampshire Department of Transportation's Standard Specifications for Road & Bridge Construction."				
14. North arrow	X			
16. Location & elevation(s) of 100-year flood zone per FEMA Flood insurance Study		[2]		
16. Plan and deed references	X			
17. The following notes shall be provided:	区			
a. Purpose of plan	X			
b. Existing and proposed use	· X			
c. Water supply source (name of provider (company) if offsite)	k			
d. Zoning variances/special exceptions with conditions	図			
e. List of required permits and permit approval numbers				
f. Vicinity sketch showing 1,000 feet surrounding the site	区			
g. Plan Index Indicating all sheets	X			
18. Boundary of entire property to be subdivided .				,]
19. Boundary monuments	Ø			
a. Monuments found	X)			
 Map number and lot number, name addresses, and zoning of all abutting land owners 	. KI		,	
c. Monuments to be set	図		******	
20. Existing streets:	Ø		•	
a. Name labeled	. 🔯		11., 1	
b. Status noted or labeled	፟ ፟ ፟			
c. Right-of-way dimensioned	B			
d. Pavement width dimensioned	図.	ō	-	
21. Municipal boundaries (if any)		Ţ,	Ø. 8°	E
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Barrington Subdivision Regulations

		1	······	
22. Existing easements (identified by type)		X		
A) Drainage easement(s)		X		
B) Slope easements(s)		Ø		
C) Utility easement(s)		X		
D) Temporary easement(s) (Such as temporary turnaround		X		
E) No-cut zone(s) along streams & wetlands (as may be requested by the F) Conservation Commission)		図		
G) Vehicular & pedestrian access easement(s)		8	, 	
H) Visibility easement(s)		X		
the particular of the second o	d	X		
J) Roadway widening easement(s)		X		
K) Walking trail easement(s)		<u>X</u>		
a) Other easement(s) Note type(s)		X		
Designation of each proposed lot (by map & lot numbers as provided by the assessor)	Ø			
24. Area of each lot (in agres & square feet):	Ø		1	
a. Existing lot(s)	X			
b. Contiguous upland(s)	X			_
25. Westand delineation (including Prime Westands):		0		
a. Limits of wetlands	<u>X</u>		······	
b. Wetland delineation criteria	X			
c. Wetland Scientist certification	· 🔯	-		
26. Owner(s) signature(s)	X)	-		
	T			
27. All required setbacks	[3]		{	
28. Physical features	Ø			
a. Bulldings	, XI			
b. Wells	X			
c. Septic systems				
d. Stone walls	X			
e, Paved drives	図			
f. Gravel drives		X]
29. Location & name (if any) of any streams or water bodies .	X			
30. Location of existing overhead utility lines, poles, towers, etc.	X			
31. Two-foot contour interval topography shown over all subject parcels	図			
32. Map and lot numbers, name, addresses, and zoning of all abutting land owners	Ø			
Section III Proposed Site Conditions Plan (Use Sections I General Requirements & Section II General Plan Information)				
Surveyor's stamp and signature by Licensed Land Surveyor	X			
2. Proposed lot configuration defined by metes and bounds	X			
Proposed easements defined by metes & bounds. Check each type of proposed easement applicable to this application:	X			<u>_</u>
a. Drainage easement(s)	XI			
b. Sippe easement(s)	<u> </u>	6		
c. Utility easement(s)		<u>以</u>	ļ. <u>.</u>	
		<u> </u>	ļ <u></u>	
d. Temporary easement(s) (such as temporary turnaround)			ļ <u>.</u>	
e. Roadway widening easement(s)		図	<u> </u>	·
f. Walking trail easement(s)		X		
g. Other easement(s) Note type(s)	· 🛛 ·	X	<u> </u>	ļ
4. Area of each lot (in acres & square feet):	図			<u>. </u>
a. Total upland(s)	I XI.			

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b. Contiguous uplands(s)	X		1	
5. Proposed streets:	X		<u> </u>	
a. Name(s) labeled	X		-	
b. Width of right-of-way dignensioned	Ø			
c. Pavement width dimensioned	X			
6. Source and datum of topographic information (USGS required)	図			-
7. Show at least one benchmark per sheet (min.) and per 5 acres (min.) of total site area	Ø	П		ļ
8. Soil Conservation Service (SCS) soil survey information	X	0	 	
9. Location, type, size & inverts of the following (as applicable):	<u>X</u>	6		
a. Existing water systems	<u> </u>	冒		
b. Existing drainage systems				
c. Existing utilities	-			
10. 4K affluent areas with 2 test plt locations shown with sultable leaching areas	X			
11. Location of all water wells with protective radii as required by the NH Department	<u> </u>			
Of Environmental Services (meeting Town and NHDES setback requirements)	図		<u> </u>	
12. Existing tree lines	-		ļ	
13. Existing ledge outcroppings & other significant natural features	X		<u> </u>	
14. Drainage, Erosion and Sediment Control Plan(s) containing all of the requirements	Ø		 	
specified in Section 16.3.2 (Final Plan Requirements) of the Subdivision Regulations	Ø			
Section IV		<u>'</u>		*******
Construction Detail Drawings		- 1		
Note: Construction details to conform with NHDOT Standards & Specifications for Roads & Bridges, Town of Barrington Highway Department requirements, and Subdivision Regulations	Ø			
Typical cross-section of roadway				
Typical driveway apron detail	X		<u> </u>	
Curbing detail	⊠.			
Guardrali detali	(X)			
Sidewalk detail	X			
		X	· ·	
The second of th	X			
	X			
8. Outlet protection riprap apron	X			
9. Level spreader	X		•	
10. Treatment swale	Ø			
11. Typical section at detention basin	X			
12. Typical pipe trench	X			•
13. Fire protection details	Ø			
14. Erosion control details:	X			
15. Construction Notes	図			
a. Construction sequence	X			
b. Erosion control notes	図	ō		*****
c. Landscaping notes	8	Ē		
d. Water system construction notes	· 🔯	5	 	
e. Sewage system construction notes	Ø			
f. Existing & finish centerline grades	X)	5		
g. Proposed pavement - Typical cross-section	図	-		
h. Right-of-way and easement limits		퓜		
l. Embankment slopes		금		
J. Utilitles LAND USE OF		***************************************		
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	ction V.	T		Γ	
St	pporting Documentation if Required	1.			
1.	Calculation of permitted housing density (for Conservation Subdivisions only as required in Article 6 of the Barrington Zoning Ordinance)	X ,		,	
2.	Stormwater management report	×			
	Traffic impact analysis	(X)			
4.	. Environmental impact assessment	X			
Б.	Hydrogeologic study	8			
6.	Fiscal impact study provided .		X		
7.	Calculation of permitted housing density (for Conservation Subdivisions only as required in Article 6 of the Barrington Zoning Ordinance)	8			
8.	Site inventory and Conceptual Development Plan (from preliminary Conservation Subdivision review only)	0	Ø	•	

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APPLICATION AGREEMENT

I hereby apply for Subdivision Plan Review and acknowledge I will comply with all of the ordinances of the Town Of Barrington, New Hampshire State Laws, as well as any stipulations of the Planning Board; in development and construction of this project. I understand that if any of the subdivision Plan or Application specifications are incomplete, the Application will be considered rejected.

In consideration for approval and the privileges accruing thereto, the subdivider thereby agrees:

- .E. To carry out the improvements agreed upon and as shown and intended by said plat, including any work made necessary by unforeseen conditions which become apparent during construction of the subdivision.
- E. To post all streets "Private" until accepted by the Town and to provide and install street signs as approved by the Selectmen of the Town for all street intersections.
- E. To give the Town on demand, proper deeds for land or rights-of-way reserved on the plat for streets, drainage, or other purposes as agreed upon.

E. To save the Town harmless from any obligation it may incur or repairs it may make,

,	because of my failure to carry out any of the foregoing provisions.
E.	Mr/Mrs of Mary to whom all communications to the subdivider may be addressed with any proceedings arising out of the agreement herein.
	Signature of Owner:
	Signature of Developer:
	Technical Review Signatures:
fili Bar age	wn Engineer/Planner Approval Signature: The owners, by the ng of this application as indicated above, hereby give permission for any member of the trington Planning Board, the Town Engineer, The Conservation Commission and such ents or employees of the Town or other persons as the Planning Board may authorize, to ser upon the property which is the subject of this application at all reasonable times for the those of such examinations, surveys, test and inspections as may be appropriate.

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(Refusal to sign this permission form does not invalidate an application, but the Planning Board may not be able to make an informed decision regarding unseen lands with potential areas of concerns).

Signature of Owner:

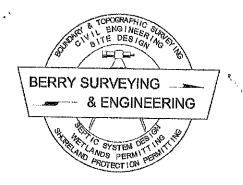
Note: The developer/individual in charge must have control over all project work and be available to the Road Agent and Code Enforcement Officer during the construction phase of the project. The Road Agent and Code Enforcement Officer must be notified within two (2) working days of any change by the individual in charge of the project.

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ADMINISTRATIVE AND REVIEW FEES



BERRY SURVEYING & ENGINEERING

335 Second Crown Point Road Barrington, NH 03825 Phone: (603) 332-2863 Fax: (603) 335-4623 www.BerrySurveying.Com

March 12, 2019

Barrington Planning Board Attention: Marcia Gasses Town Planner PO Box 660 333 Calef Highway Barrington, NH 03825

RE:

Conservation Subdivision Review Mike and Lisa McMahon

Tax Map 234, Lots 31 & 31-4

Mr. Chairman and Members of the Barrington Planning Board

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Background and General Narrative:

Haley Donetta owns Tax Map 234, Lots 31 & 31-4. Berry Surveying and Engineering has conducted a full survey of both parcels, which includes a full topographical analysis and a wetland analysis. Lots 31 & 31-4 gradually slopes down from Oak Hill Road and gets steeper as it approaches Smoke Street.

The Proposal:

The proposal is to construct Meetinghouse Road as a paved through road from Oak Hill Road to Smoke Street. This roadway will provide access to a proposed 13 lot conservation subdivision, with 17.64 acres to remain as consecration open space. This open space will provide a buffer between the proposed subdivision and existing residential lots along Oak Hill Road and Muchado Drive. The construction of Meetinghouse Road will also provide through access from Oak Hill Road to Smoke Street. The proposed road design is laid out so that it conforms to the existing footprint and topography of Meetinghouse Road in order to minimize the impact of the proposed development.

Swales will be constructed on either side of the road so that all the runoff generated from the proposed development will be diverted to one of three rain gardens. These rain gardens will serve to capture, treat and re-infiltrate stormwater. They will also provide treatment for nitrogen and phosphorus to reduce the impact on receiving waters.

Proper erosion and sediment control measures will also be taken to ensure that the site and abutting properties are protected until long term stabilization can be achieved. Construction entrances will be used at both ends of Meetinghouse Road to ensure that no sediment is tracked onto Smoke Street or Oak Hill Road. Silt sox will also be placed along the limit of disturbance to

March 12, 2019 Page 2 of 2

contain the sediment laden runoff throughout the construction process. Check dams will be installed in the swales in order to contain runoff and provide protection until the roadside swales are stabilized.

All necessary State and federal permits have been applied for and will be presented to the Town when acquired. In addition, a full drainage analysis was done to demonstrate that the proposed drainage infrastructure will have no adverse effect and that the proposed volume and water quality will be the same as the existing.

Respectfully submitted, BERRY SURVEYING & ENGINEERING

James Hayden Engineering Technician Christopher K. Berry Principal, President



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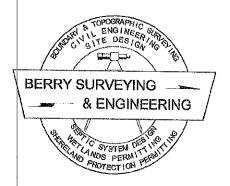
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Subdivision Plan Waiver Request Form

Under Subdivision Plan Regulations 5.3-Request for Waivers, 8.1-Waivers for Specific Plan Submission Requirements and 11.1-General Waiver Provision

If there is more than one waiver requested, each waiver request is to be individually listed and described, as each waiver is considered individually by the Town of Barrington Planning Board. A petition for waiver shall be submitted in writing by the applicant with the application for review. The request shall fully state the grounds for which the waiver is requested and all facts supporting this request with reference to the applicable Barrington Subdivision Regulations article, section and paragraph. Each waiver granted shall be listed on the approved subdivision plan which is to be recorded at the Strafford County Registry of Deeds.

Name of Subdivision Plan (See Title Box): ONSENATION SUBDIVISION	
Case Number: 234-31+31,4-GR-19-ConSub	
Site Location: Meetinghouse Road & Oak Hill Road	
Zoning District(s): General Residential	
Owner(s): Michael & Lisa McMahon & Donetta Haley 139 Stage Road Hampstead, NH 03825 Address of Owner(s): P.O. Box 367 Barrington, NH 03825	•0
Address Line 2:	
Name of Applicant (if different from owner): Michael & Lisa McMahon 553-3929	***
Phone Number 591-7801 Email	
Land Surveyor: Kenneth A. Berry, Berry Surveying & Engineering	
I <u>Michael McMahon</u> seek the following waiver to the Town of Barrington Subdivision Regulations for the above case submittal: See attached waiver request.	
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3-12-19	
Signature of Owner/Applicant Date	



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335 Second Crown Point Road Barrington, NH 03825 Phone: (603) 332-2863

Fax: (603) 335-4623 www.BerrySurveying.Com

March 12, 2019

Barrington Planning Board Attention: Marcia Gasses Town Planner

PO Box 660 333 Calef Highway Barrington, NH 03825

RE:

Conservation Subdivision Review Mike and Lisa McMahon Tax Map 234, 31 & 31-4

Mr. Chairman and Members of the Barrington Planning Board

The applicants are proposing to reconstruct Meetinghouse Road from a Class VI road to a 22' wide paved roadway. The reconstructed road will then provide access to a conservation subdivision on lots 31 and 31-4. The proposed road was designed so that it is a "best fit" based on alignment and existing topography of Meetinghouse Road. This was done to limit the overall disturbance required and to keep the majority of the grading and drainage features within the right of way. As part of this proposed development the applicant is requesting waivers to be granted by the planning board in order to develop the road with the least amount of disturbance possible. Those waiver requests are listed below.

In accordance with the Town of Barrington's Subdivision Regulations, the applicant requests the following waivers:

- 1. Identification of Waiver Request: 12.2.1 Table one of the Subdivision Regulations, maximum of 7% road grade for a major access road.
 - Proposed roadway with sections greater than 7%, at 9% max.

The applicant is proposing to reconstruct Meetinghouse in order to provide access to a proposed development and provide through access from Smoke Street to Meetinghouse Road, per the Planning Boards request. The proposed road was designed so that it would conform to the existing centerline and topography as much as possible, in order to limit the overall disturbance.

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Waiver Justification:

a Granting the waiver will properly carry out the purpose and intent of the regulations.

The purpose and intent of regulation 12.2.1 with regard to maximum road grade is to allow for safe vehicular traffic. The vehicles per day (VPD) for a major access road is between 200 to 1,000 trips. A traffic impact analysis was done for the proposed road and it was determined that the subdivision and triplexes would generate between 250-300 trips when the connection is considered, which is on the low side of VPD for a major access road. The 9% road grade was deemed appropriate given the relatively low VPD generated from the development, given the short length of the tangent. The 9% road grade would provide for a more effective design and road layout, without compromising safety.

b. Strict conformity to the regulations would pose an unnecessary hardship to the applicant.

Strict conformity to the regulations will pose an unnecessary hardship on the applicant and the Town. The road was designed so that there would be the least amount of disturbance possible. Requiring the applicant to conform to the maximum of 7% would greatly increase the amount of excavation required for the road construction, thus increasing the overall disturbance and increase maintenance costs for the town.

- 1. Identification of Waiver Request: 12.2.1 Table 1 of the Subdivision Regulations, shoulder width of 6 feet in a cut and 3 feet in fill.
 - Proposed roadway with shoulders of 3 feet in a cut and 3 feet in a fill.

The applicant is proposing to reconstruct Meetinghouse road from a class VI roadway to a 22 foot wide paved road that will connect Smoke Street to Oak Hill Road, with 3' shoulder in fill and 3' in fill. This will not only provide access to the proposed development but will also act as a throughway for the two adjacent streets. The proposed road was designed so that it would be constructed over the existing footprint of Meetinghouse road and conform to the existing topography as much as possible.

a. Granting the waiver will properly carry out the purpose and intent of the regulations.

The purpose and intent of the minimum shoulder width is to provide vehicles with ample room to pull off the road if necessary and provide snow storage in cut slopes. The proposed roadway will be constructed so that the gravel shoulders are only 1-2 feet less than the required shoulder width. Given the relatively low vehicles per day generated from the development, it was determined that the designed shoulder widths would be adequate, without compromising safety, or winter maintenance.



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335 Second Crown Pt. Rd., Barrington, NH 03825 (603) 332-2863 / (603) 335-4623 FAX www.BerrySurveying.Com b. Strict conformity to the regulations would pose an unnecessary hardship to the applicant.

Strict conformity to these regulations would pose an unnecessary hardship on the applicant and Town. The roadway is designed so that there will be the least amount of disturbance possible for the road construction. Requiring the applicant to maintain the minimum shoulder widths would increase the road footprint and greatly increase the overall disturbance generated from the road.

- 1. Identification of Waiver Request: 12.7 Table 2, maximum of 2% of a road grade within 100 feet of an intersection.
 - Proposed roadway with a platform of 2% or less for 45'and 4% or less for an additional 20' at the intersection of Smoke Street.

As part of the proposed development, Meetinghouse Road will be fully reconstructed from a class VI road to a 22 foot wide paved road that connects Smoke Street to Meetinghouse Road.

a. Granting the waiver will properly carry out the purpose and intent of the regulations.

The intent of the maximum road grade of 2% within an intersection is to allow for the safe approach of vehicles to an intersections. The proposed road design intersects Oak Hill Road and Smoke Street. The intersection at Smoke Street has a grade of 2% or less within 45 feet of the intersection. Then from there it transitions to a -9.0% road grade beyond 100' of the intersection, with a large vertical curve. Although the grade within 100' of the intersection is greater than 2.0%, the road design will still allow for vehicles to approach the intersection safely. This is because the road goes from a negative slope to a positive slope and then flattens out as it intersects Smoke Street. This change in slope will cause vehicles to slow gradually and safely approach the intersection.

A grading easement was obtained from Eversource to allow for the applicant to grade down the existing slope on lot 23. This will allow vehicles traveling north on Smoke Street to see vehicles coming down Meetinghouse Road. In addition, the easement allowed the turning radii at the intersection to be widened and allow vehicles to approach closer to a 90 degree angle.

b. Strict conformity to the regulations would pose an unnecessary hardship to the applicant.

Strict conformity to these regulations would pose an unnecessary hardship on the applicant and Town. The intersection of Meetinghouse and Smoke Street was designed so that

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the existing footprint and intersection point could remain the same. By requiring the applicant to grade the road at 2%, will cause there to be 6 feet of cut for several hundred feet and cause the required grading to go off the property due to the drastic elevation changes. A concept grading plan is included to show the extents of the grading.

- 1. Identification of Waiver Request: 12.7 Table 2, minimum angle of intersection of 90 degrees +/- 10 degrees
 - Proposed roadway intersection at Smoke Street with an intersection angle of 60 degrees.

As part of the proposed development, Meetinghouse Road will be fully reconstructed from a class VI road to a 22 foot wide paved road that connects Smoke Street to Meetinghouse Road.

a. Granting the waiver will properly carry out the purpose and intent of the regulations.

The intent of the maximum angle for an intersection is to allow for safe intersections and to increase vehicular safety. The proposed intersection of Meetinghouse Road and Smoke Street was designed so that the existing intersection point could be maintained so as to limit the disturbance. Furthermore, sight line distance analysis has been done to show that a vehicle approaching the intersection has adequate sight line distance to make a turn onto Smoke Street. The entrance and turning radii are designed to accommodate the required turning movement. Even though the intersection angle does not meet the standard, the proposed design still allows for a safe intersection. Although the centerline of Meetinghouse does not intersect at 90 degrees, the entrance has been widened so that the double yellow line and white stop bar will come to a 90 degree intersection, allowing stopped vehicles ample room for sight distance.

b. Strict conformity to the regulations would pose an unnecessary hardship to the applicant.

Strict conformity to these regulations would pose an unnecessary hardship on the applicant. Given the close proximity of the property line to the South of Meetinghouse Road, this intersection design was deemed the most appropriate so as not to encroach on the property line. Requiring the applicant to conform to the intersection regulation would bring the grading much closer to boundary line and in some cases, would encroach onto the abutting property.

1. Identification of Waiver Request: 12.8.8(4) % 12.8.9, No ditches at grades above 8%, which require curbing, culverts and basins, or at grades above 6% when the developed length exceeds 250 feet.



BERRY SURVEYING & ENGINEERING

335 Second Crown Pt. Rd., Barrington, NH 03825 (603) 332-2863 / (603) 335-4623 FAX www.BerrySurveying.Com Proposed roadway without curbing above 8% grade and ditches with a 9% grade for a 100 feet, in two locations.

The applicant is proposing to construct Meetinghouse Road over its existing footprint, utilizing the exiting centerline and road topography when possible. As part of this reconstruction, open drainage will be utilized through swales and culverts in order to capture and treat the runoff generated from the proposed roadway.

Granting the waiver will properly carry out the purpose and intent of the regulations.

The intent of regulation 12.8.8 & 12.8.9 is to limit the use of swales along steep slopes in order to achieve stabilization and prevent washouts.

The proposed road design has both natural and manmade swales that will be utilized in the drainage design to capture and treat the runoff generated from the proposed road. All the proposed swales are in road grades that are less than 8% except for one section, where the swale will be constructed at 9% for 100 feet. Although the slope of the swale is greater than 8%, necessary measures will be taken to ensure that this section of the swale is well protected until it is stabilized. The swale will be rip-rap lined at this location and check dams will be utilized to control the runoff.

The proposed road design does not include any curbing along the road. This was done as part of the drainage design so that the runoff generated from the road will sheet off into the adjacent swales. These swales will be constructed with bio-media and stone as part of their drainage design, so that the runoff can be treated as it is directed to adjacent rain gardens and treatment cells.

Strict conformity to the regulations would pose an unnecessary hardship to the b. applicant.

Strict conformity to these regulations would pose an unnecessary hardship on the applicant and Town. Due to the existing topography and layout of the road, the design options were limited. Requiring the applicant to install curbing and remove the section of the swale in the 9% road grade would cause the Town to have to maintain the curbing and catch basins.

Respectfully submitted.

BERRY SURVEYING & ENGINEERING

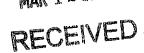
James Hayden

Engineering Technician

Principal President

BERRY SURVEYING & ENGINEERING

LAND USE OFFICE 335 Second Crown Pt. Rd., Barrington, NH 03825 (603) 332-2863 / (603) 335-4623 FAX www.BerrySurveying.Com





FEES:	
Application \$150,00	Public Notice: 75.00 per submission
Abutters @X \$7.00 each=	
Total Received: \$ Cash 0	Check#

SECTION 9.6 APPLICATION FOR SPECIAL PERMIT FOR CONSTRUCTION IN WETLAND BUFFER

TOWN OF BARRINGTON

PO Box 660; 333 Calef Highway Barrington, New Hampshire 03825

A SPECIAL USE PERMIT allows the Town of Barrington to consider special uses which may be essential or desirable to a particular community, but which are not allowed as a matter of right within a wetlands buffer in the Wetlands Protection District Overlay, but rather only by a special use permit. A public hearing is required.

Is the proposed use permitted by right in the appropriate base zoning district? (See Table 1, Table of Uses, located in the town zoning ordinance)

-If yes, then proceed with the below criteria for a Special Use Permit pursuant to Section 9.6.
-If, on the other hand, the proposed use requires a conditional use permit, a special exception, or a variance, you must obtain that permit or approval <u>before</u> seeking a Special Use Permit pursuant to Section 9.6.

This application applies only to uses proposed in the Wetlands Protection District Overlay that violate the required wetland buffer. There is a separate application for a Conditional Use Permit pursuant to Section 3.4, which is also available in the town Land Use Office.

Is the proposed use related to a Site Plan or Subdivision Application? Yes_XNo	
Name of Project Meetinghouse Road	
Address of Property Meetinghouse Road & Oak Hill Road 23.55 Ac. Lo	t 25
Tax Map 234 Lot Zoning District(s) GR/VD Overlay Total Area of Site 1.00 Ac. Lo Name of Applicant/Agent Kenneth A Berry, PE, LLS	L 34
Mailing Address of Applicant/Agent 335 Second Crown Point Rd, Barrington, NH 03825	
Telephone: 603-332-2863 K.Berry@BerrySurveying.com Email: Fax:	
Name of Property Owner Michael & Lisa McMahon & Donetta Haley	
Mailing Address of Property Owner 139 Stage Road Hampstead, NH 03825	
Telephone: 553-3929 P.O. Box 367 Barrington, NH 03825 Email: Fax:	
Letter of Authorization Provided	
Signature of Owner	
Deed Provided	
Revised 5/22/13 LAND USE OFFICE	

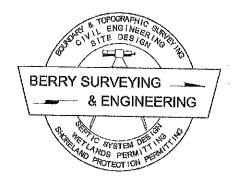
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Describe in detail all existing uses and structures on the subject property (You may attach a separate typed sheet): See attached narrative
Size of Impact 21,693 square feet
Describe in detail all proposed uses, structures, construction, or modifications requiring a Special Use Permit. See attached narrative
Describe in detail how the following standards of the Town of Barrington Zoning Ordinance under Section 9.6 "Special Permit for Construction in a Wetlands Buffer" have been satisfied by your proposal (You may attach a separate sheet.)
1. The proposed use is in keeping with the intent and purposes set forth in the zoning ordinance as permitted in the base zoning district (See Table 1, Table of Uses, located in the zoning ordinance). If the base zoning district requires a conditional use permit or special exception for the proposed use, one must already have been obtained; or if the proposed use is not listed on the Table of Uses or is listed but not permitted, one must already have obtained a variance. See attached narrative
2. After a review of all reasonable alternatives, it is determined to be infeasible to place the proposed structure or use outside of the buffer zone.
See attached narrative
3. The proposed structure or use must be set back as far as possible from the delineated edge of the wetland or surface water. See attached narrative
4. Appropriate erosion control measures must be in place prior to and during construction. See attached narrative
5. Any disturbance to the surrounding buffer zone must be repaired and restored upon completion of construction. See attached narrative

Board. See attached narrative	minimize adverse impacts, if required by the Plannii
bee accassed narrative	
Statement of Assurance and Agreement:	
I hereby certify that to the hest of my knowledge	this submitted at the state of
correct. All proposed development will be in confi	this submitted application information is true and
application and in the approved plan as well as t	ormance with the information contained on the he provisions of the Town of Barrington ordinances
regulations.	ne provisions by the rown of Barrington ordinances
The Owner/Agent, by filing an application hereh	grants permission for members of the Board and
to enter onto the subject property for the purpos	es of this review.
	3-12-19
Applicant/Agent Signature	Date
	3-12-19
Owner Signature	Date
Owner Signature	Date
201000	
Junara & Mune	3-12-19
Staff Signature	Date

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BERRY SURVEYING & ENGINEERING

335 Second Crown Point Road Barrington, NH 03825 Phone: (603) 332-2863 Fax: (603) 335-4623 www.BerrySurveying.Com crberry@metrocast.net

March 12, 2019

Barrington Planning Board Attention: Marcia Gasses PO Box 660 333 Calef Highway Barrington, NH 03825

RE:

Subdivision Review
Mike and Lisa McMahon
Tax Map 234, Lots 25, 31 & 31-4

Mr. Chairman and Members of the Barrington Planning Board,

Enclosed are the criteria laid out in Chapter 9.6 for disturbance within a 50^{\prime} wetland buffer.

- A. The proposed use is in keeping with the intent and purposes set forth in the zoning ordinance.
 - a. The proposed wetland buffer disturbance is generated from the construction of Meetinghouse Road and the proposed rain gardens. Per the request of the Town the applicant has agreed to construct Meetinghouse Road from Oak hill Road to Smoke Street. Part of this through construction will go through part of a wetland buffer.
- B. After a review of all reasonable alternatives it is determined to be infeasible to place the proposed structure or use outside the buffer zone.
 - a. The proposed construction of Meetinghouse Road is proposed to be built over the existing footprint, utilizing the existing topography. This is done so that the disturbance generated from the construction will be reduced. The rain gardens were placed at the low points throughout the site in order to capture the maximum amount of runoff.

- C. The proposed structure must be set back as far as possible from the delineated edge of the wetland or surface water.
 - a. The proposed road and rain gardens are set back as far as possible from the delineated wetlands.
- D. Appropriate erosion and sediment control measures must be in place prior to and during construction.
 - a. An erosion and sediment control plan is included within the set to show that all necessary erosion and sediment control measures will be taken to ensure that no sediment runs off into abutting wetlands and that the surrounding area is protected throughout the construction process.
- E. Any disturbance to the surrounding buffer zone must be repaired and restored upon completion of construction.
 - a. All grading and disturbance within the buffer will receive quality loam and seed, utilizing a variety of conservation seed mix. This will enable the vegetation to grow and the buffer areas to be restored.
- F. All available mitigation measures to address changes in water quality volume and quantity be implemented, along with design and construction methods to minimize adverse impacts, if required by the Planning Board.
 - a. Three advanced rain gardens are to be implemented as part of the roadway construction. These rain gardens will capture and treat the runoff generated from the site so that there will be no change in water quality or volume.

Respectfully Submitted,

Berry Surveying & Engineering

Christopher R. Berry Principal, President LAND USE OFFICE

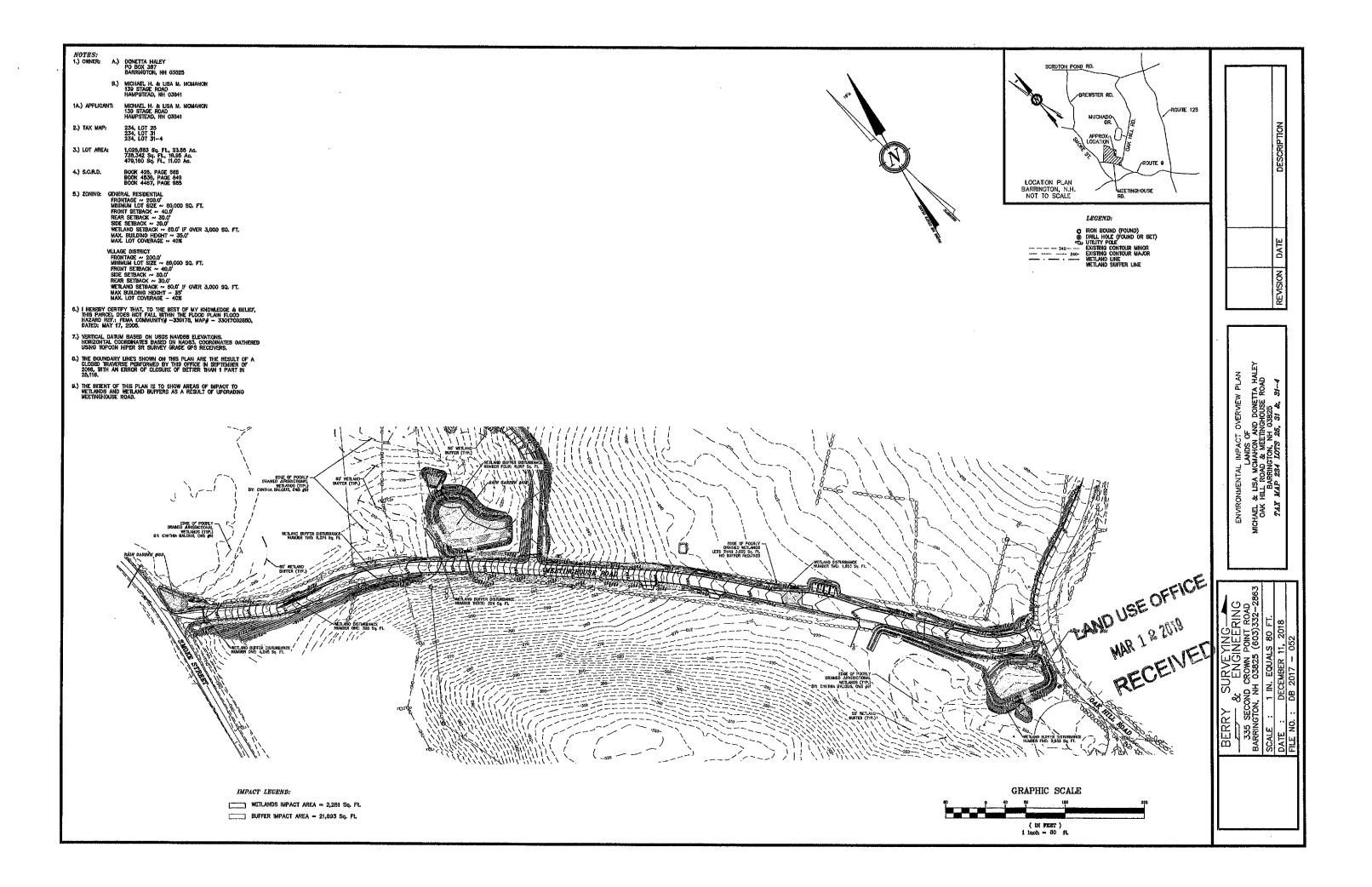
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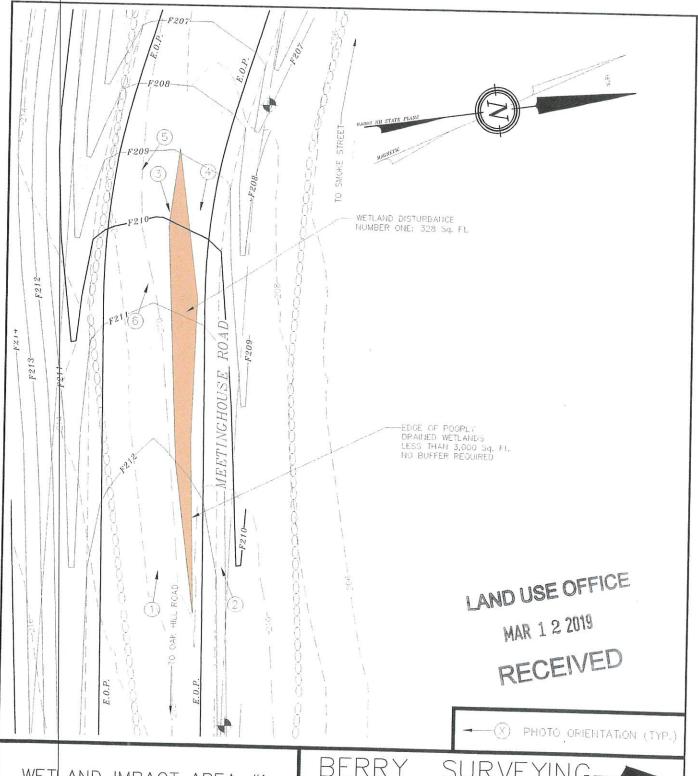
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BERRY SURVEYING & ENGINEERING

335 Second Crown Pt. Rd., Barrington, NH 03825 (603) 332-2863 / (603) 335-4623 FAX www.BerrySurveying.Com





WET_AND IMPACT AREA #1

FOR LANDS OF

MICHAEL & LISA MCMAHON

AND DONETTA HALEY

MEETINGHOUSE ROAD

TAX MAP 234, LOTS 25, 31 & 31-4

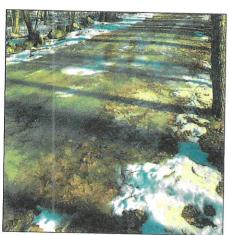
NEAR ENTRANCE TO SMOKE STREET

SCALE : 1 IN. EQUALS 20 FT.

DATE: MARCH 12, 2019

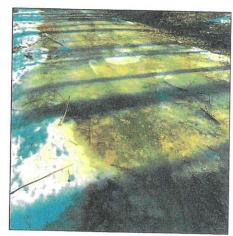
FILE NO. : DB 2017 - 052













WETLAND IMPACT AREA #1 FOR LANDS OF MICHAEL & LISA MCMAHON AND DONETTA HALEY MEETINGHOUSE ROAD TAX MAP 234, LOTS 25, 31 & 31-4 NEAR ENTRANCE TO SMOKE STREET

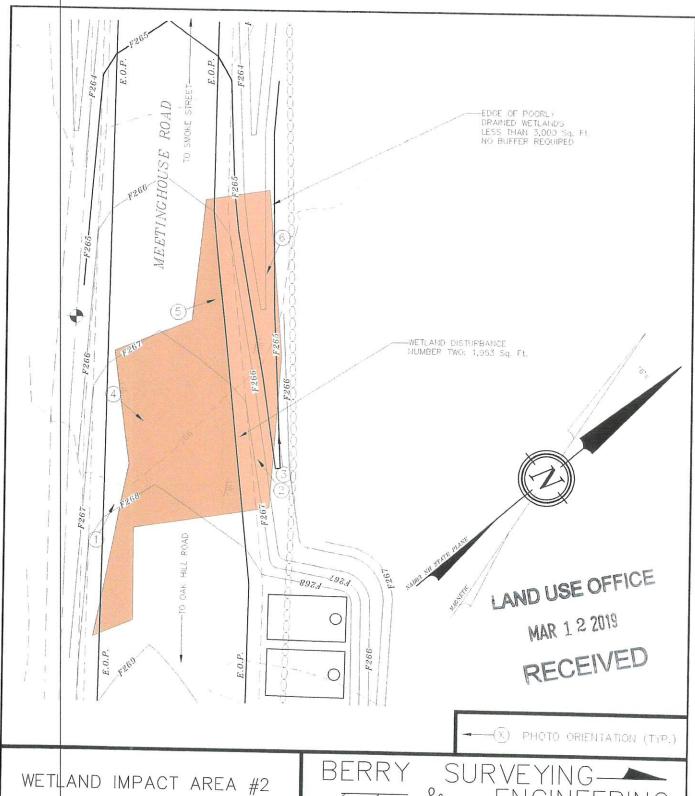
BERRY SURVEYING & ENGINEERING 335 SECOND CROWN POINT RD. BARRINGTON, N.H. 332-2863

SCALE : NONE

DATE:

MARCH 12, 2019

FILE NO.: DB 2017 - 052



FOR LANDS OF MICHAEL & LISA MCMAHON AND DONETTA HALEY MEETINGHOUSE ROAD TAX MAP 234, LOTS 25, 31 & 31-4

335 SECOND CROWN POINT RD. BARRINGTON , N.H. 332-2863

SCALE

1 IN. EQUALS 20 FT.

DATE:

MARCH 12, 2019

FILE NO. :

DB 2017 - 052













WETLAND IMPACT AREA #2 FOR LANDS OF MICHAEL & LISA MCMAHON AND DONETTA HALEY MEETINGHOUSE ROAD TAX MAP 234, LOTS 25, 31 & 31-4 BERRY SURVEYING & ENGINEERING

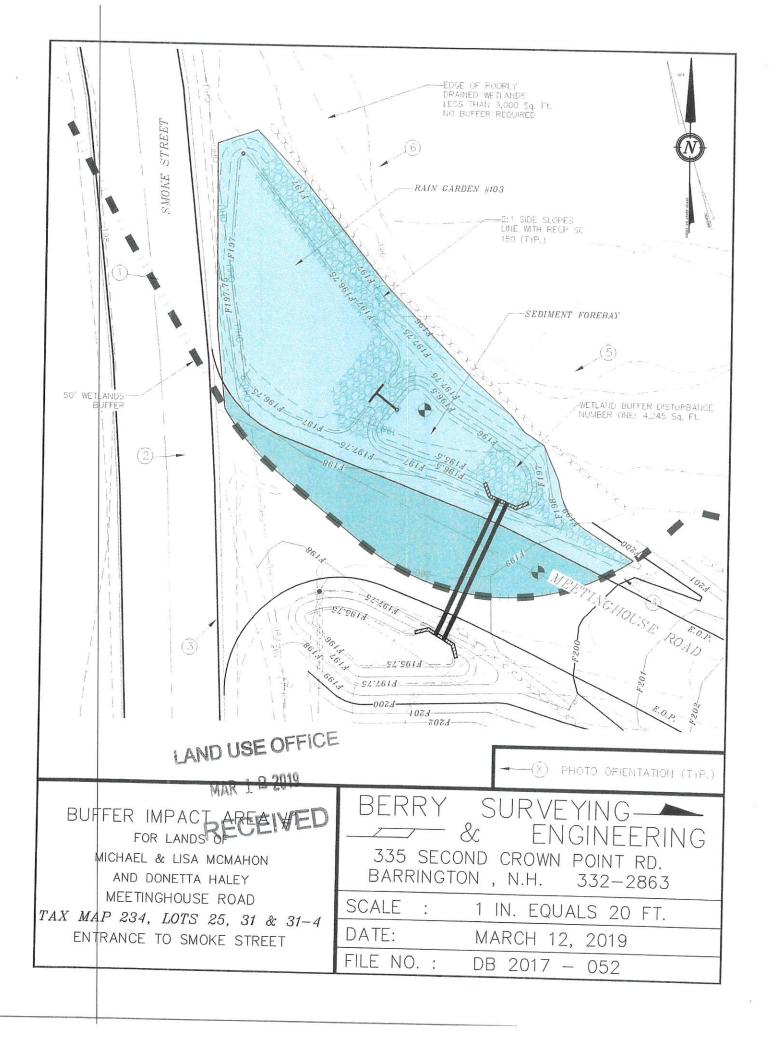
335 SECOND CROWN POINT RD. BARRINGTON, N.H. 332-2863

SCALE : NONE

DATE:

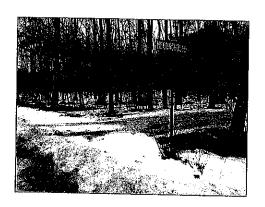
MARCH 12, 2019

FILE NO.: DB 2017 - 052





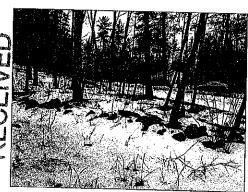








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BUFFER IMPACT AREA #1

FOR LANDS OF

MICHAEL & LISA MCMAHON

AND DONETTA HALEY

MEETINGHOUSE ROAD

TAX MAP 234, LOTS 25, 31 & 31-4

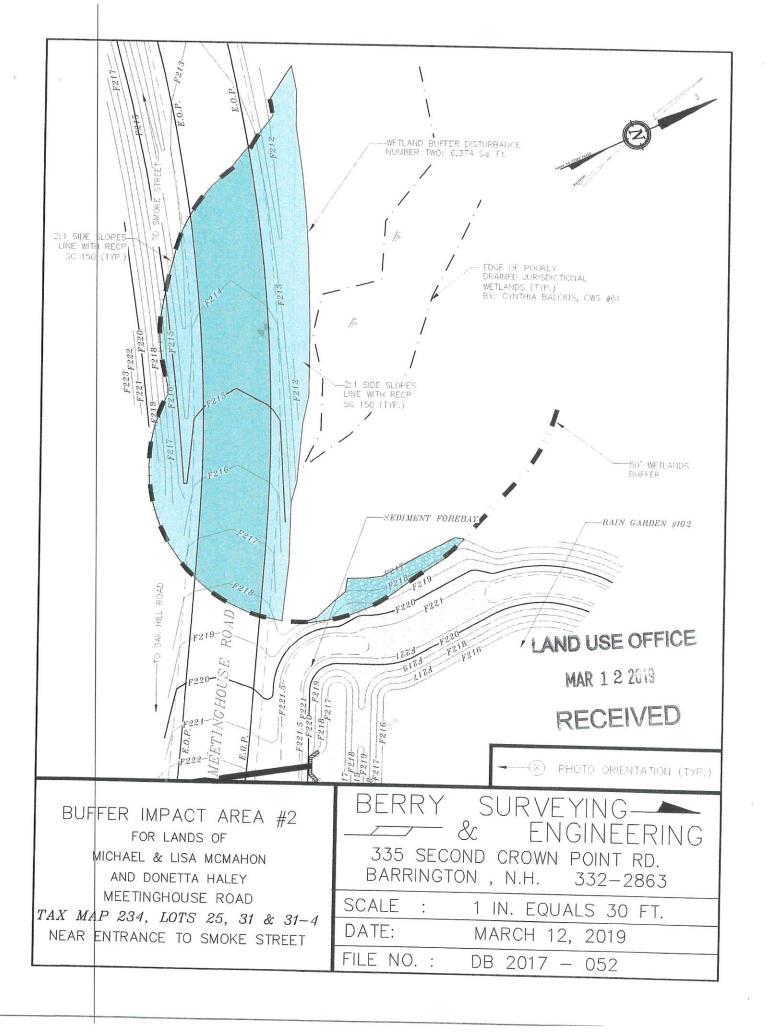
EN TRANCE TO SMOKE STREET

BERRY SURVEYING——— ENGINEERING 335 SECOND CROWN POINT RD. BARRINGTON, N.H. 332-2863

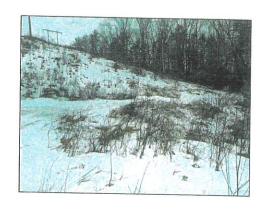
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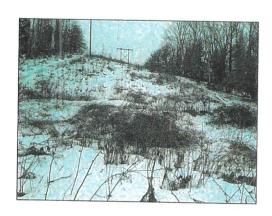
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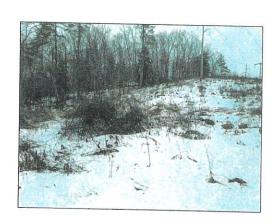
 FILE NO. : DB 2017 - 052















BUFFER IMPACT AREA #2 FOR LANDS OF MICHAEL & LISA MCMAHON AND DONETTA HALEY MEETINGHOUSE ROAD TAX MAP 234, LOTS 25, 31 & 31-4 ENTRANCE TO SMOKE STREET

SURVEYING-ENGINEERING & 335 SECOND CROWN POINT RD. BARRINGTON, N.H. 332-2863

SCALE :

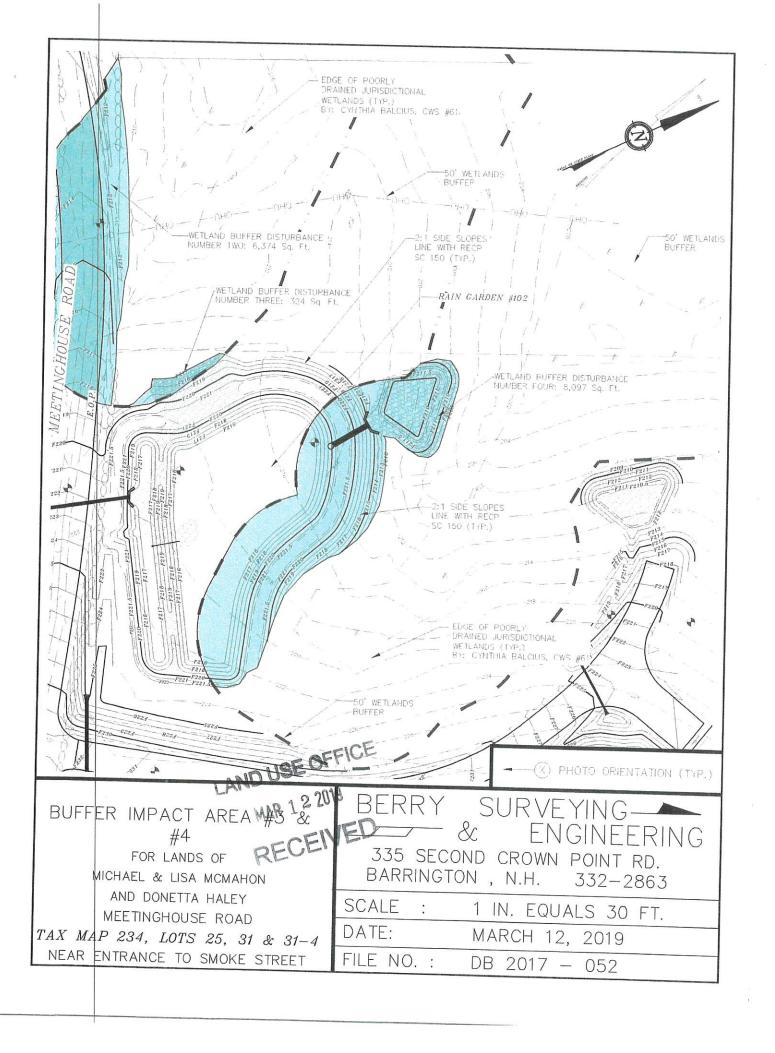
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NONE

DATE:

MARCH 12, 2019

FILE NO.: DB 2017 - 052













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BUFFER IMPACT AREA #3

FOR LANDS OF

MICHAEL & LISA MCMAHON

AND DONETTA HALEY

MEETINGHOUSE ROAD

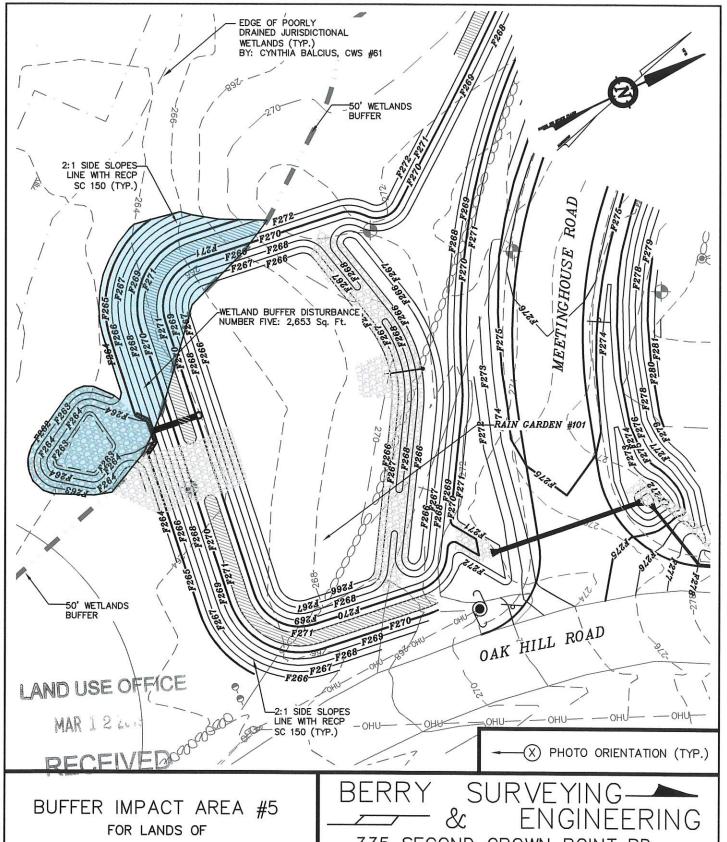
TAX MAP 234, LOTS 25, 31 & 31-4

ENTRANCE TO SMOKE STREET

SCALE : NONE

DATE: MARCH 12, 2019

FILE NO. : DB 2017 - 052



BUFFER IMPACT AREA #5

FOR LANDS OF

MICHAEL & LISA MCMAHON

AND DONETTA HALEY

MEETINGHOUSE ROAD

TAX MAP 234, LOTS 25, 31 & 31-4

NEAR ENTRANCE TO SMOKE STREET

FILE NO. : DB 2017 - 052