

SL

# Forest Cutting Plan

and Notice of Intent under M.G.L. Chapter 132 – The Forest Cutting Practices Act, 304 CMR 11.00 (Effective Date: 1/1/04)

## For DCR Use Only:

File Number 337-6014.13 Case No. \_\_\_\_\_  
 Date Rec'd 10-15-12 Nat. Hert. YES /  
 Earliest Start 10-30-12 Nat. Hert. Imp. \_\_\_\_\_  
 River Basin CT Pub. Dr. Wat. Northampton  
 Gen. Obj. LT ACEC No

Site Information

### Location

"Conway Rd. Terrace" (R & W-W Stand 19)

Town: Whately

Road: Conway Road

Acres: 27.0

Proposed Start: 11/1/2012

Vol. Mbf

Vol. Cds.

Vol tons

75

82

274

### Plan Preparer

Name: Michael Mauri

Address: 20 West Street

Town, State, Zip: South Deerfield, MA, 01373

Phone: (413) 665-6829

Type of Preparer: Licensed Forester

\*Mass Forester License # 161

\*Required for land under CH 61, CH 61A, or Forest Stewardship

### Landowner

Name: City of Northampton DPW

Attention: Nicole Sanford, Sr. Env. Scientist

Mailing Address: 125 Locust Street

Town, State, Zip: Northampton, MA 01060

Phone: (413) 587-1376

Ch61  61A  61B  Stew  \*Case # \_\_\_\_\_

FSC GC  CR  CR Holder \_\_\_\_\_

### Licensed Timber Harvester\*\*

Name \_\_\_\_\_

Address \_\_\_\_\_

Town, State, Zip \_\_\_\_\_

Phone \_\_\_\_\_

Mass. Lic. Harvester # \_\_\_\_\_

\*\*This information may be supplied after the plan is approved, but before work begins.

Best Management Practices

### Stream Crossings

Indicate location on map	SC-1	SC-2	SC-3	SC-4
Type of Crossing				
Existing Structure				
Type of Bottom				
Bank Height (ft)				
Stabilization				

### Wetland Crossings

Indicate location on map	WC-1	WC-2	WC-3	WC-4
Length of Crossing				
Mitigation				
Stabilization				

### Filter Strips

Indicate location on map	FS-1	FS-2	FS-3	FS-4
Width (50', 100', or VA)				

### Harvesting in Wetlands

Indicate location on map	HW-1	HW-2	HW-3	HW-4
Forest Type (see pg 2)				
Acres to be Harvested				
Resid. Basal Area (>50%?)				

### Service Forester Comments

NHESP requirements have been adhered to.

Codes

Type of Preparer	Type of Crossing	Stabilization	Mitigation	Type of Bottom
LF Mass. Lic. For.	CU Culvert	SE Seed	FR Frozen	LE Ledge
TH Lic. Tim. Har	BR Bridge	MU Mulch	DR Dry	ST Stony
TB Timber Buyer	FO Ford	CO Corduroy	OT Other	MU Mud
LO Landowner	PO Poled	ST Stone		GR Gravel
OT Other	OT Other	HB Hay Bales		OT Other
		OT Other		

**Note:**

Applicant must provide DCR with all relevant information before plan may be approved and cutting may begin. Some forestry activities, such as prescribed burning and pesticide or fertilizer application may require additional permits. Consult MA Forestry BMP Manual for further information.

If Other (OT) is used in any category an explanation must be given on an attached narrative page

Forest Products

### Products to be Harvested\*

Species	Mbf/cds		Mbf/cds
White Pine	5	Red Maple	4
Red Pine		Sugar Maple	
Pitch Pine		Red Oak	2
Hemlock	60	Black Oak	
Spruce		White Oak	
Other Softwd.		Other Hdwd.	
White Ash		Total Mbf	75
Beech		Cordwood (cds)	82
White Birch		SW Pulp (Tons**)	274
B & Y Birch	4	HW Pulp (Tons)	
Black Cherry		Chips (Tons)	

\*\*2 tons per cord

\*Note: Volumes and values indicated in the Plan are as reported by the plan preparer and have not been independently verified by the service forester upon approval. Mbf = thousand board feet.

Stand Treatment

### Cutting Standards

Indicate location on map	ST-19		
Forest Type	WH		
Acres	27.0		
Landowner Objective	LT		
Designation of Trees	CT*		
Type of Cut	SH		
Source of Regeneration	**		

\*all cut-trees to be marked prior to harvest; \*\*AD & SE

Note: volumes shown are pre-marking estimates; actual estimated volumes to be provided after marking.

Landowner

### Landowner Signature

The most important information on a cutting plan is the Landowner's objective, as this will determine which trees will be harvested and which will remain; this decision will also determine the future condition of the forest for decades to come. After having read the Massachusetts Forest Cutting Plan Information Sheet on page one, indicate your objective by checking the appropriate box below.

**LT - Long-term Forest Management**

Planned management of the forest to achieve one or more of the following objectives: produce immediate and maximize long-term income, enhance wildlife habitat, improve recreational opportunities, protect soil and water quality, or produce forest specialty products.

**ST - Short-term Harvest**

Harvest of trees with the main intention of producing short-term income with minimal consideration given to improving the future forest condition, which often results in a forest dominated by poor quality and low value species.

I (we) have read the Massachusetts Cutting Plan Information Sheet, and am aware of my (our) management options.  
I (we) hereby certify that I (we) have the legal authority to carry out the operation described above.  
I (we) certify that I (we) have notified the Conservation Commission in the town in which the operation is to take place and the abutters of record within two hundred feet of the area to be harvested.  
I (we) understand that the volumes and values (Ch61 only) in this plan have not been independently verified by the service forester upon approval and will report final values and volumes to the Director or his/her agent if the final figures differ from those reported.

*Michael S. Smith*

10/15/12

Signature of landowner(s)

Date

Service Forester

### Determination and Status 337-6074-13

Approved  Disapproved  Expires 10-16-2014

Signature of Service Forester/Director's Agent *Sean Arthay* Date 11/14/2012

Extension 1  2  Expires / Ser. For. Ints. /

Amendment App 1  Dis 1  App 2  Dis 2  /

### Final Report and Comments

I hereby certify that the afore described Forest Cutting Plan and all relevant statutes have been substantially complied with.

Signature of Service Forester/Director's Agent

Date

Codes

Forest Types	Designation of Trees	Type of Cut	Source of Regeneration
WP White Pine	CT Cut Tree	SH Shelterwood	AD Advanced
WK WP/Hem	LT Leave Tree	ST Seed Tree	SE Natural Seed
WH WP/Hdwd	SB Stand Boundary	CC Clear Cut	PL Plant
WO WP/Oak	OT Other	SE Selection	CO Coppice
RP Red Pine	Landowner Objective	SA Salvage	DS Direct Seed
SR Red Spruce	LT Long-term Mgt.	SN Sanitation	OT Other
	ST Short-term Har.		
		Intermediate Harvests:	
		CT Commercial Thin	
		NT Non Com Thin	
		Non-Standard Systems:*	
		HG Highgrade*	
		DL Diameter Limit*	
		OT Other*	

\*If Other (OT) or a non-standard system is used an explanation must be given on attached narrative page

# Forest Cutting Plan

Narrative Page (Effective Date: 1/1/04)

Use this page to provide further explanation or if Other (OT) was used in any category on pages 3 or 4.

Landowner City of Northampton

Town Whately

File Number \_\_\_\_\_

**Note: No Abutters**

BMPs

Use this Section to provide further explanation or if Other (OT) was used in any category in the Best Management Practices Section on Page 3.

Marking Codes: horizontal stripe: tallied as timber; diagonal stripe: tallied as wood or pulp; double horizontal or double diagonal stripe: timber, wood or pulp tree is near property boundary; dot: small tree that was not tallied but must be cut, utilization optional; "X": tree to be cut and left whole on the ground and not utilized; "E": end of marked area, do not go beyond this point with equipment; "LV": leave tree top whole, do not utilize.

Designation of Trees

Use this Section to describe the types of trees to be harvested and/or retained if Other (OT) was used for "Designation of Trees" in the Stand Treatment Section on page 4.

Stand No.	Species to be Cut	Size of Trees to be Cut	Quality of Trees to be Cut	% BA/AC removed
19	HK, WP BB, RM, OR and other hdwds	4" - 25"	generally poorer than trees to keep	35%

Regeneration & Future Condition

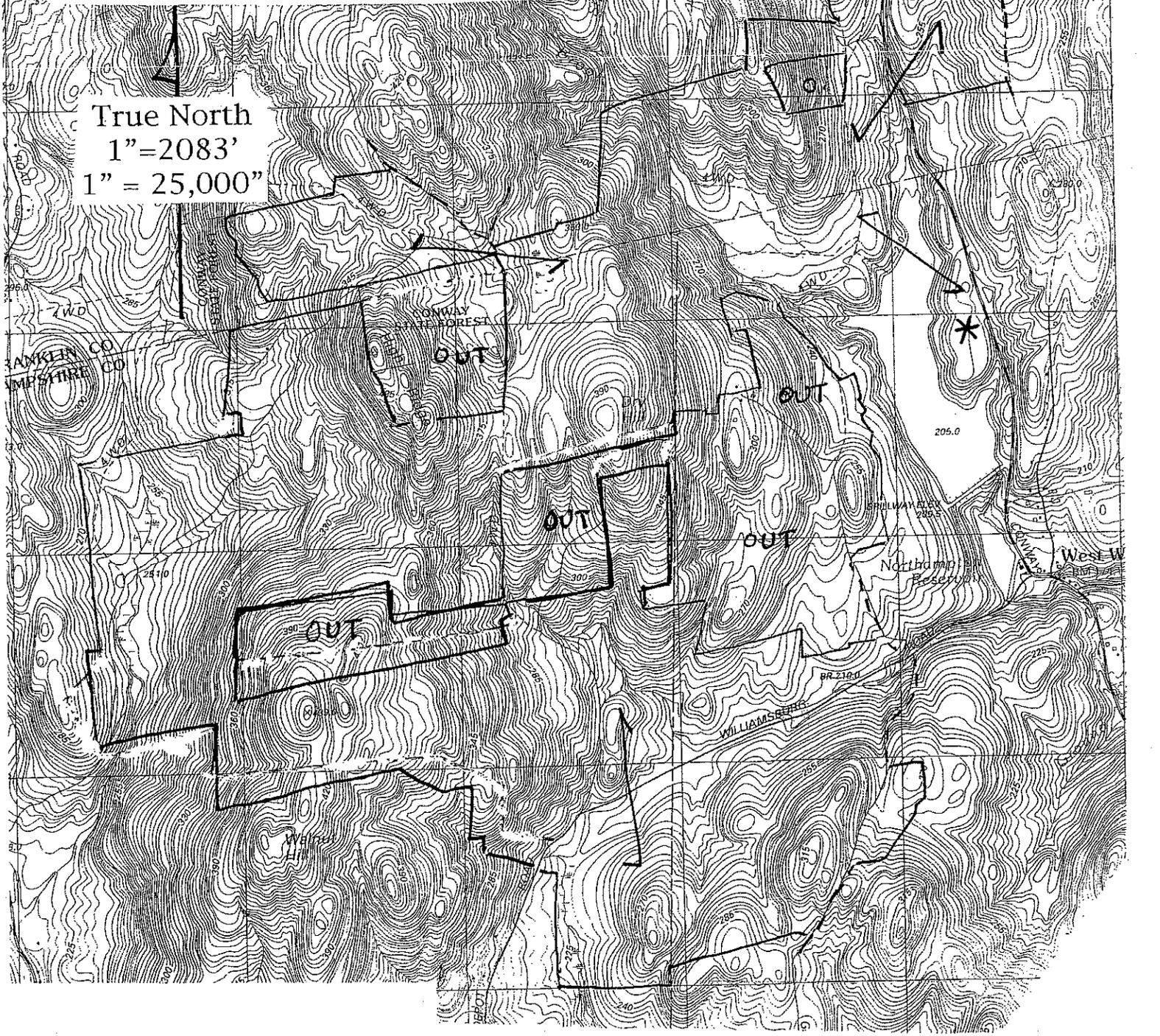
Use this Section to describe how Chapter 132 requirements will be met if a non standard system (HG, DL, or OT) was used for the "Type of Cut" in the Cutting Standards Section on page 4.

Stand No.	Source of Regeneration (ex. AD, SE)	How will Regeneration be obtained/protected? If using AD - Describe the species present and how the regeneration will be protected If using SE - Describe the source of the seed and the number of seed trees/acre

Stand No.	Desired Future Condition Describe what the stand is expected to look like five years from the harvest, including the condition of the overstory & understory

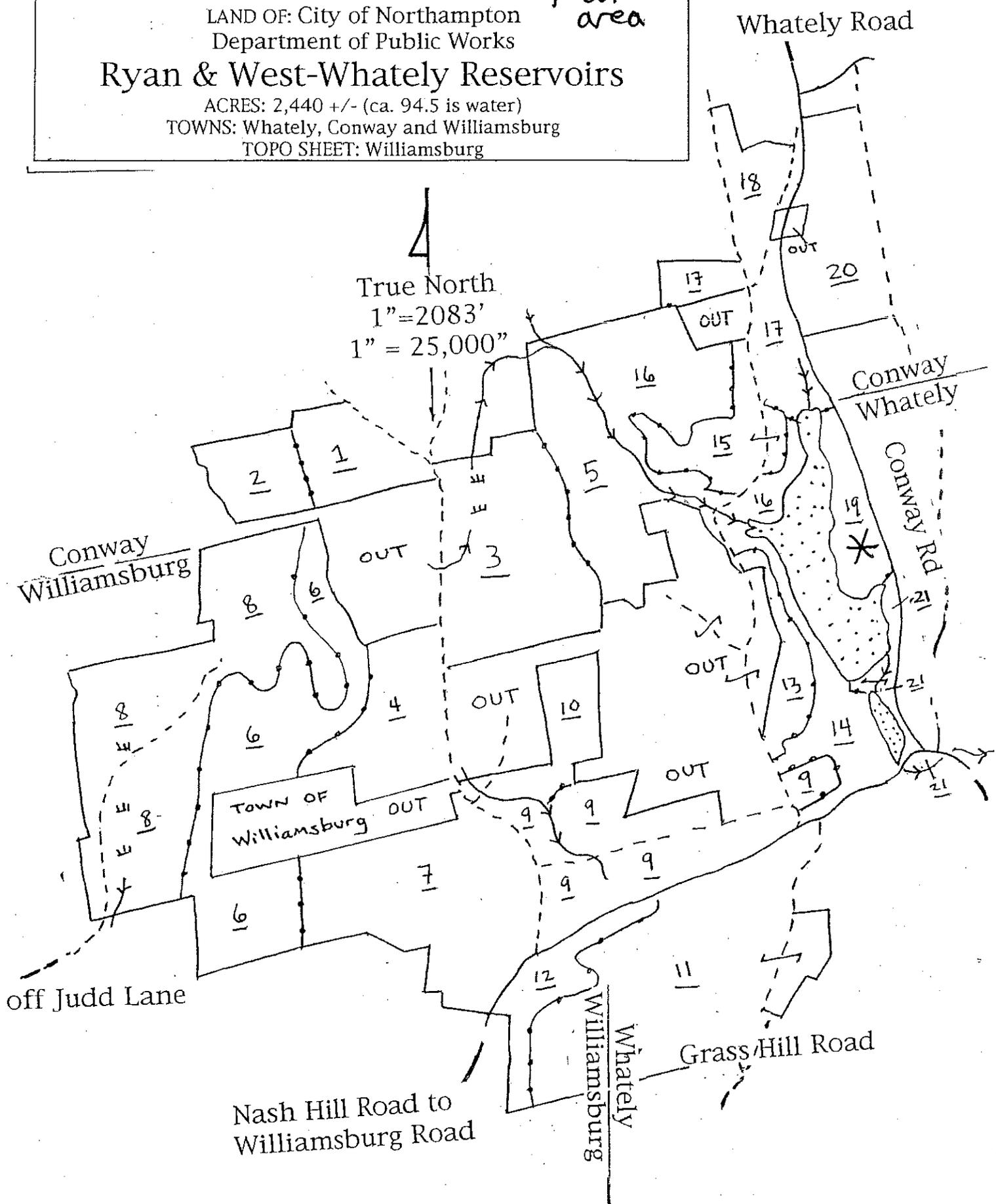
LOCUS MAP → \* cut area  
LAND OF: City of Northampton  
Department of Public Works  
**Ryan & West-Whately Reservoirs**  
ACRES: 2,440 +/- (ca. 94.5 is water)  
TOWNS: Whately, Conway and Williamsburg  
TOPO SHEET: Williamsburg

True North  
1" = 2083'  
1" = 25,000"



**STAND LOCATOR MAP**  
 LAND OF: City of Northampton  
 Department of Public Works  
**Ryan & West-Whately Reservoirs**  
 ACRES: 2,440 +/- (ca. 94.5 is water)  
 TOWNS: Whately, Conway and Williamsburg  
 TOPO SHEET: Williamsburg

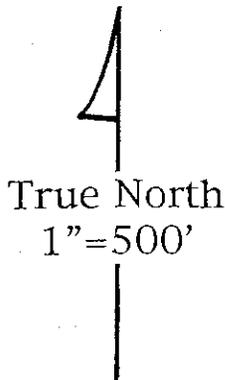
\* cut area



Forest Stand and Boundary Map  
 City of Northampton, DPW  
 Ryan & West-Whately Reservoirs  
 Whately, MA

Map by Michael Mauri, L.F.  
 20 West Street, S. Deerfield, MA 01373  
 (413) 665-6829, based on tax maps,  
 old cutting maps (where applicable)  
 GIS-based maps and fieldwork  
 by M.M., 2/2012

Conway Road Terrace  
 Stand 19 — 45.7 acres



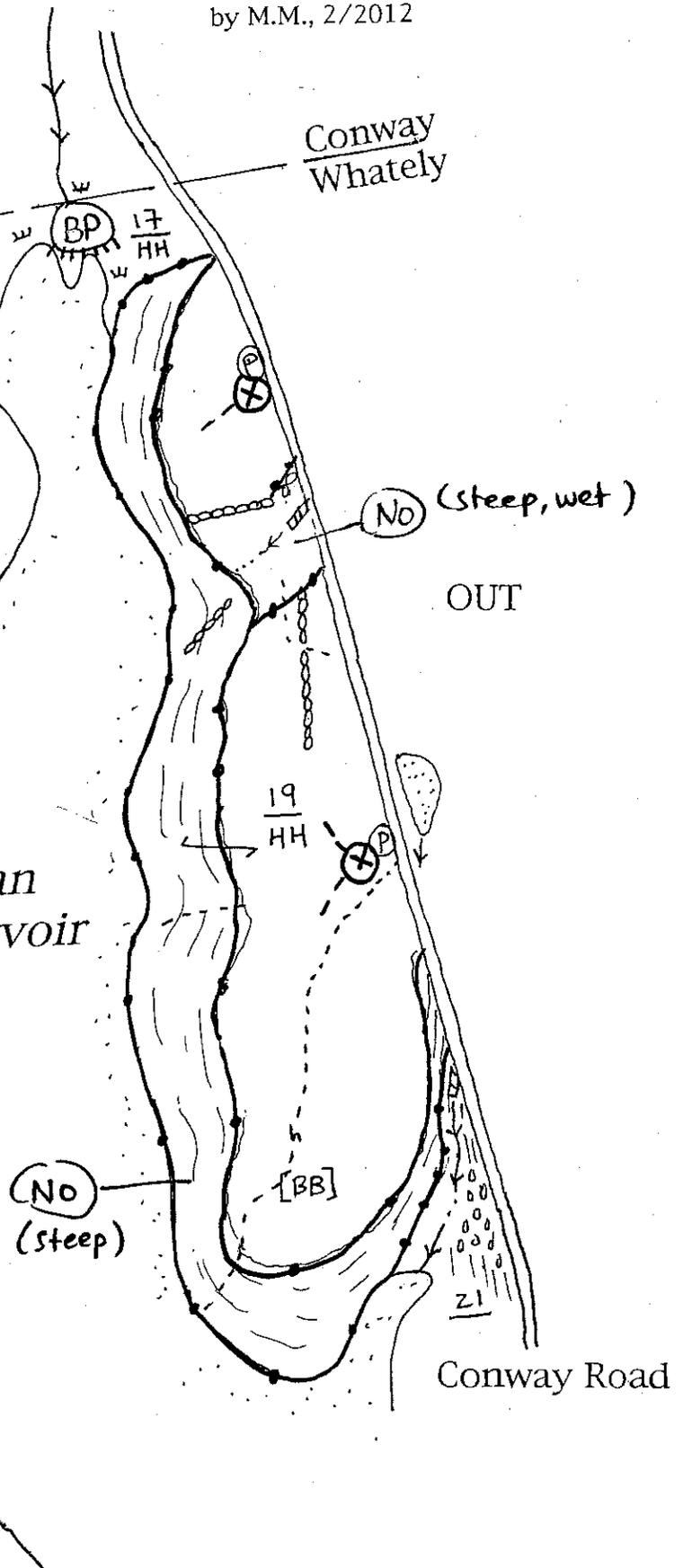
other DPW land

Ryan  
 Reservoir

Conway  
 Whately

Key

- stream →
- seasonal stream →
- culvert
- wetland
- vernal pool
- water
- beaver pond (BP)
- stone wall
- barbed wire
- steep land
- ledge; stones
- cellar hole
- stand boundary
- stand number & forest type  $\frac{1}{HH}$
- included forest type [BB]
- parking; iron pin (P); i.p.





# Division of Fisheries & Wildlife

Wayne F. MacCallum, *Director*

Sean Libbey  
Department of Conservation and Recreation  
40 Cold Storage Drive  
P.O. Box 484  
Amherst, MA 01004

Cutting Plan No. 337-6074-13  
NHESP Tracking No. 12-30639b  
Town Whately  
Road Conway Road  
Landowner City of Northampton DPW  
Preparer Michael Mauri  
Date October 25, 2012

Dear Sean,

The Natural Heritage and Endangered Species Program (NHESP) has reviewed the above-referenced Forest Cutting Plan (hereinafter "the Plan") pursuant to the special approval procedures of the Forest Cutting Practices Regulations (304 CMR 11.04(6)). Based on details of the Plan and information in the NHESP database, the NHESP has determined that there is potential for activities proposed in the Plan to result in "Take" (as defined in 321 CMR 10.02) of Marbled Salamander (*Ambystoma opacum*) and Jefferson Salamander (*Ambystoma jeffersonianum*), two species listed as Threatened and Special Concern, respectively, pursuant to the Massachusetts Endangered Species Act (MESA) (M.G.L. c. 131A) and its implementing regulations (321 CMR 10.00).

Marbled Salamander and Jefferson Salamander are members of the mole salamander family. Upland habitat requirements of these species include predominantly closed-canopy forest with abundant leaf litter and coarse woody debris. Individuals spend the majority of the year in sub-surface retreats, but they also occur at the ground surface during breeding migrations, juvenile dispersal, and favorable foraging conditions. During late summer-fall, adult Marbled Salamanders migrate to vernal pools and other wetland habitats where they lay their eggs in dried basins (or along margins of partially-dried basins) and await autumnal rains to inundate the eggs. After hatching in the fall and growing during winter-spring, juvenile Marbled Salamanders leave their natal wetlands and disperse through the surrounding upland forest during the summer. Jefferson Salamanders have a similar lifecycle, except that the breeding migrations occur during late winter-spring, and juvenile dispersal from natal wetlands occurs during mid-summer through fall. Availability of cool, moist microhabitats with abundant small-mammal tunnels and burrows is critical to the survival of Marbled and Jefferson salamanders during their times of above-ground movement.

Most of the harvest site coincides with an area of Priority Habitat delineated for Marbled Salamander and Jefferson Salamander. Hence, the NHESP is concerned that harvesting activities conducted in upland areas during late winter-spring and during late summer-fall will cause direct mortality of individual salamanders (e.g., as a result of crushing by motorized vehicles). A second concern is that excessive canopy removal and soil compaction at the site will negatively alter the upland habitat of the two salamander species. **Therefore, to avoid prohibited Take of Marbled Salamander and Jefferson Salamander, the NHESP requests that the following statements be added to the Plan prior to its approval:**

- A "Salamander Protection Zone" shall be established within the harvest area and consist of the forest area located within 450 feet of the outer edge of Certified Vernal Pool #3391.
- The following practices shall be implemented within the Salamander Protection Zone:
  - (a) Motorized vehicles shall be operated only during the time periods October 15 – February 28 and/or May 15 – August 15.
  - (b) All but 0.5 acres of overstory forest shall be maintained at 75% canopy cover (or greater).



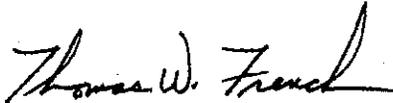
The practices listed above are based on the *Massachusetts Forestry Conservation Management Practices for MESA-listed mole salamanders*. They are designed to coordinate operation of motorized vehicles with times that adult salamanders are not expected to be migrating to or from breeding pools, and to retain relatively undisturbed forest in key habitat areas for salamanders. Please take note of the allowance in part (b) above of 0.5 acres of overstory forest to be cut to less than 75% canopy cover. Normally, the practices allow for 30% of the protection zone to be cut to less than 75% canopy cover, but approximately 1.9 acres of the 7.9-acre protection zone at this site already consists of young forest/shrubland and/or non-habitat features, which leaves only 6% (0.5 ac) of the protection zone eligible for heavier cutting.

Please also note that Certified Vernal Pool #3391 is the area of "water" depicted on the east side of Conway Road in the "Forest Stand and Boundary Map" of the Plan, located directly across the road from the southernmost parking area and landing. The 450-foot Salamander Protection Zone should be based on the margin of that vernal pool.

Enclosed with this letter is a table that gives draft basal-area equivalencies of 75% canopy cover, based on forest type and average dbh of canopy trees. Although the table is a draft, it should be used to meet the canopy cover requirements requested above. Please inspect the 450 ft buffer area to ensure that the residual stand will meet the 75% canopy cover requirement, and please require that the 450-ft boundary is marked clearly with paint or flagging. The NHESP may reconsider the flagging requirement in the event that the practices listed for the Salamander Protection Zone are applied throughout the harvest area.

Please copy the NHESP on any proposed amendments to the Plan and on the approved plan for the site. If you have any questions about this letter, please contact Jacob Kubel at (508) 389-6373.

Sincerely,



Thomas W. French, Ph.D.  
Assistant Director

Cc: Whately Conservation Commission (via e-mail)

Enclosure: Table – draft basal-area equivalencies of 75% canopy cover (1 page)

**Draft basal-area equivalencies (sampled with a BAF-10 prism) of 75% canopy cover.**

Average dbh (in) <sup>c</sup>	Basal Area of Residual Trees <sup>a</sup> , by Forest Type <sup>b</sup>					
	WP, WK, RP, SR, PP, HK, TK, CD, SF	WH, HH	BW, RM, BC, BB, SM, BM, BE	WO, PO	OH	OR, OM
4	50	40	25	20	15	10
5	60	50	35	30	25	20
6	70	55	35	30	25	20
7	80	65	40	35	30	25
8	85	70	45	40	35	30
9	90	70	45	40	35	30
10	95	75	50	45	40	35
11	95	75	50	45	40	35
12	100	80	55	50	45	40
13	105	85	55	50	45	40
14	110	90	60	55	50	45
15	110	90	60	55	50	45
16	115	95	65	60	55	50
17	120	95	65	60	55	50
18	120	100	70	65	60	55
19	120	100	70	65	60	55
20	125	105	75	70	65	60
21	125	105	75	70	65	60
22	125	110	80	75	70	65
23	125	110	80	75	70	65
24	130	115	80	75	70	65
25	130	115	85	80	75	70
26	130	120	90	85	80	75

<sup>a</sup> Residual overstory trees greater than or equal to 30 feet tall and having dbh greater than or equal to 4 inches.

<sup>b</sup> Forest type should be based on residual overstory trees; refer to Cutting Plan form for definitions of forest types.

<sup>c</sup> Average dbh (in inches) of residual overstory trees greater than or equal to 30 feet tall and having dbh greater than or equal to 4 inches.



dcr

COMMONWEALTH OF MASSACHUSETTS

FILE # 337.6074.13

Department of Conservation and Recreation

Division of State Parks and Recreation

# FOREST CUTTING PLAN CERTIFICATE

Post this in a conspicuous place within the area in which the harvesting operation is to take place.

This certifies that City of Northampton 1001 Sanford Street St. Northampton accordance with the  
(Name of Owner) (Address)

provision of M.G.L. Chapter 132, Section 40-46, filed in the student office with the Dept. of Conservation  
and Recreation, Division of State Parks and Recreation, a Notice of Intent to cut forest products upon the

Conway Rd. Jonese, Whately

Approval Date 11.14.2012

ISSUED BY:

Director's Agent Sean Silby

Priscilla E. Geigis, Director  
Division of State Parks and Recreation

DCR Phone No (413) 545-4539  
(413) 545-5752

3L

# Forest Cutting Plan

and Notice of Intent under M.G.L. Chapter 132 – The Forest Cutting Practices Act, 304 CMR 11.00 (Effective Date: 1/1/04)

### For DCR Use Only:

File Number 340.6070.13 Case No. \_\_\_\_\_  
 Date Rec'd 10.15.12 Nat. Hert. NO  
 Earliest Start 10.30.12 Nat. Hert. Imp. \_\_\_\_\_  
 River Basin CT Pub. Dr. Wat. NO  
 Gen. Obj. HT ACEC NO

Site Information

## Location

"Judd Lane" (R & W-W Stand 8)

Town: Williamsburg

Road: off Judd Lane

Acres: 30.0 Proposed Start: 11/1/2012

Vol. Mbf	Vol. Cds.	Vol tons
50	30	180

## Plan Preparer

Name: Michael Mauri

Address: 20 West Street

Town, State, Zip: South Deerfield, MA, 01373

Phone: (413) 665-6829

Type of Preparer: Licensed Forester

\*Mass Forester License # 161

\*Required for land under CH 61, CH 61A, or Forest Stewardship

## Landowner

Name: City of Northampton DPW

Attention: Nicole Sanford, Sr. Env. Scientist

Mailing Address: 125 Locust Street

Town, State, Zip: Northampton, MA 01060

Phone: (413) 587-1376

Ch61  61A  61B  Stew  \*Case # \_\_\_\_\_

FSC GC  CR  CR Holder \_\_\_\_\_

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Name \_\_\_\_\_

Address \_\_\_\_\_

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Phone \_\_\_\_\_

Mass. Lic. Harvester # \_\_\_\_\_

\*\*This information may be supplied after the plan is approved, but before work begins.

Best Management Practices

## Stream Crossings

Indicate location on map	SC-1	SC-2	SC-3	SC-4
Type of Crossing	<u>CO</u>	<u>FO</u>		
Existing Structure	<u>Y 24"</u>	<u>N</u>		
Type of Bottom	<u>MU</u>	<u>ST</u>		
Bank Height (ft)	<u>2'</u>	<u>4'</u>		
Stabilization	<u>HB</u>	<u>ST</u>		

## Wetland Crossings

Indicate location on map	WC-1	WC-2	WC-3	WC-4
Length of Crossing				
Mitigation				
Stabilization				

## Filter Strips

Indicate location on map	FS-1	FS-2	FS-3	FS-4
Width (50', 100', or VA)	<u>50</u>	<u>50</u>	<u>50</u>	

## Harvesting in Wetlands

Indicate location on map	HW-1	HW-2	HW-3	HW-4
Forest Type (see pg 2)				
Acres to be Harvested				
Resid. Basal Area (>50%?)				

## Service Forester Comments

\_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_

Codes

Type of Preparer	Type of Crossing	Stabilization	Mitigation	Type of Bottom
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Forest Products

### Products to be Harvested\*

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Pitch Pine		Red Oak	
Hemlock	40	Black Oak	
Spruce		White Oak	
Other Softwd.		Other Hdwd.	
White Ash		Total Mbf	50
Beech		Cordwood (cds)	30
White Birch		SW Pulp (Tons)**	180
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Black Cherry		Chips (Tons)	

\*\*2 tons per cord

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### Cutting Standards

Indicate location on map	ST-8			
Forest Type	HH			
Acres	30.0			
Landowner Objective	LT			
Designation of Trees	CT*			
Type of Cut	SH			
Source of Regeneration	**			

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*Edward S. White*

10/5/12  
Date

Signature of landowner(s)

Service Forester

### Determination and Status

340-6070-13

Approved  Disapproved  Expires 10-16-2014

Signature of Service Forester/Director's Agent *Sam A. Beebe* Date 11/14/2012

### Final Report and Comments

I hereby certify that the afore described Forest Cutting Plan and all relevant statutes have been substantially complied with.

Signature of Service Forester/Director's Agent \_\_\_\_\_ Date \_\_\_\_\_

Extension 1  2  Expires / Ser. For. Ints. /

Amendment App 1  Dis 1  App 2  Dis 2  /

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# Forest Cutting Plan

Landowner City of Northampton

Narrative Page (Effective Date: 1/1/04)

Town Williamsburg

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File Number \_\_\_\_\_

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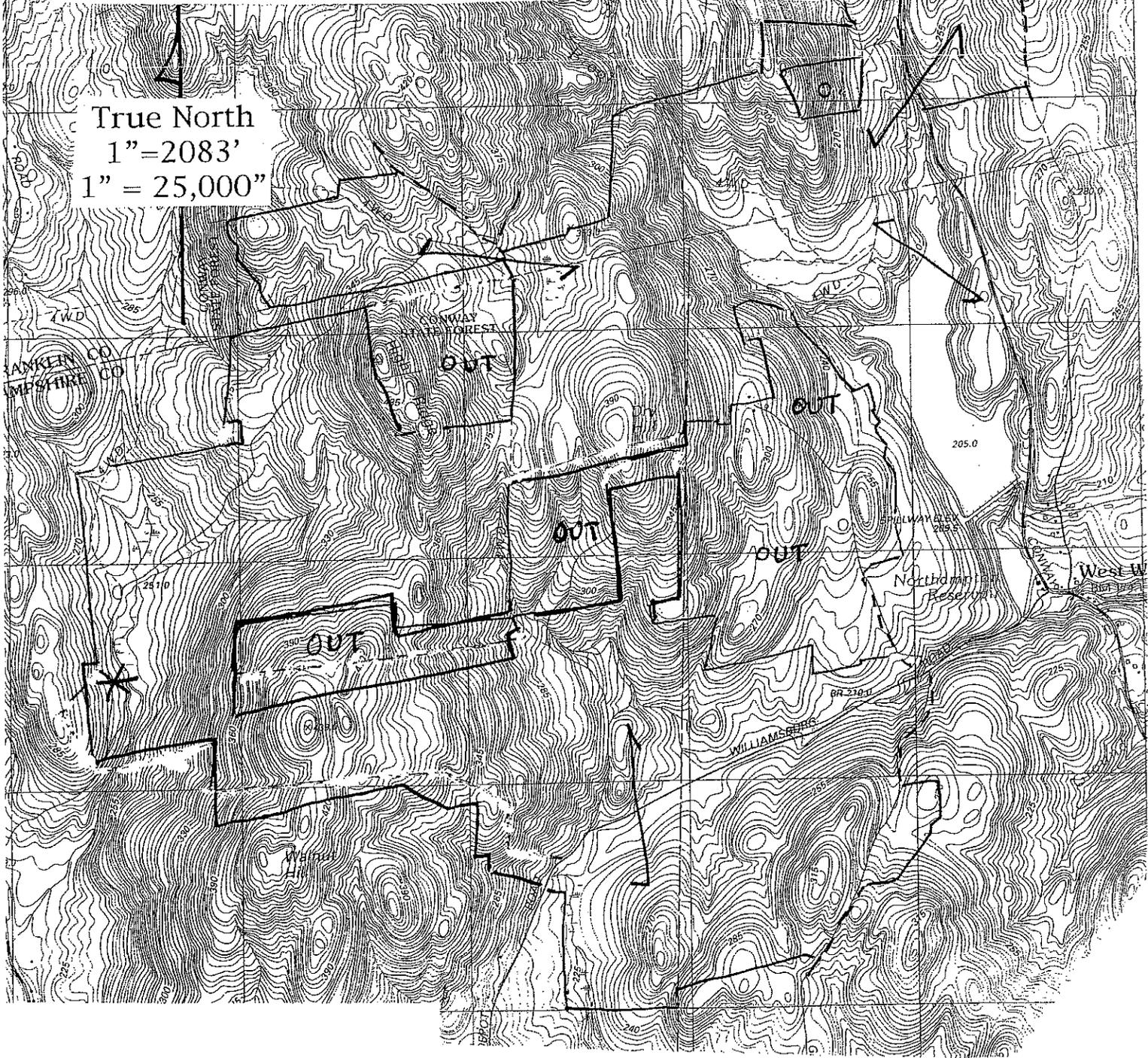
Use this Section to describe how Chapter 132 requirements will be met if a non standard system (HG, DL, or OT) was used for the "Type of Cut" in the Cutting Standards Section on page 4.

Stand No.	Source of Regeneration (ex. AD, SE)	How will Regeneration be obtained/protected? If using AD - Describe the species present and how the regeneration will be protected If using SE - Describe the source of the seed and the number of seed trees/acre

Stand No.	Desired Future Condition Describe what the stand is expected to look like five years from the harvest, including the condition of the overstory & understory

LOCUS MAP → \* wt area  
LAND OF: City of Northampton  
Department of Public Works  
**Ryan & West-Whately Reservoirs**  
ACRES: 2,440 +/- (ca. 94.5 is water)  
TOWNS: Whately, Conway and Williamsburg  
TOPO SHEET: Williamsburg

True North  
1" = 2083'  
1" = 25,000"



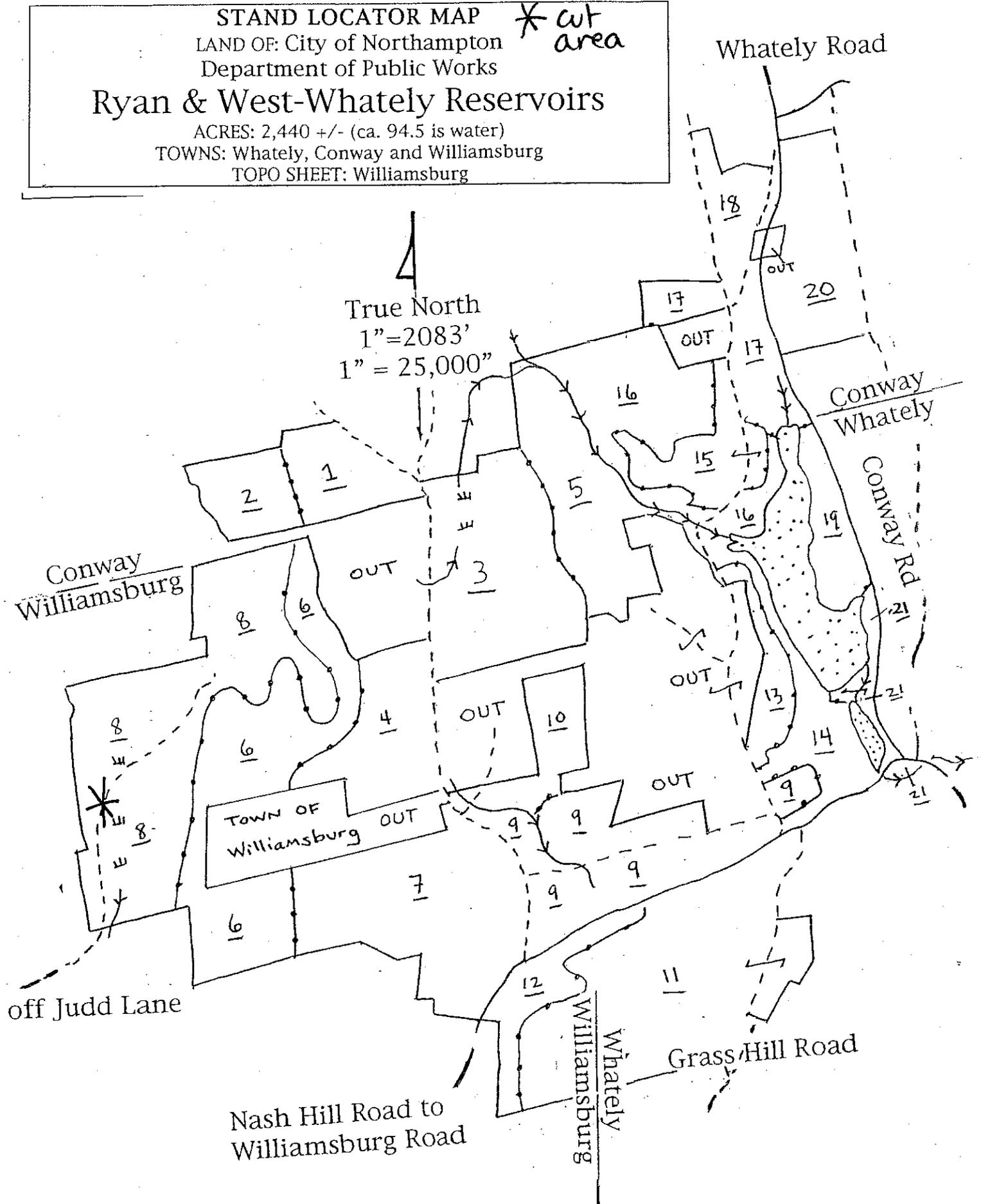
STAND LOCATOR MAP

LAND OF: City of Northampton  
Department of Public Works

Ryan & West-Whately Reservoirs

ACRES: 2,440 +/- (ca. 94.5 is water)  
TOWNS: Whately, Conway and Williamsburg  
TOPO SHEET: Williamsburg

\* cut area



True North  
1" = 2083'  
1" = 25,000'

Whately Road

Conway  
Whately

Conway Rd

Conway  
Williamsburg

TOWN OF  
Williamsburg

off Judd Lane

Nash Hill Road to  
Williamsburg Road

Williamsburg  
Whately

Grass Hill Road



Notice of Intent to Abutters
Massachusetts Forest Cutting Practices Act

File Number: \_\_\_\_\_

Landowner: City of Northampton,
Department of Public Works
Attention: Nicole Sanford,
Senior Environmental Scientist,
125 Locust Street
Northampton, MA 01060
(413) 587-1376

Abutter: \_\_\_\_\_
Address: \_\_\_\_\_

Date: \_\_\_\_\_

Dear Abutter:
Please be advised that I have complied with the Massachusetts Forest Cutting
Practices law (Chapter 132 M.G.L. sections 40-46) by making application to the
Director of Forests and Parks for official approval for the forest cutting plan for
land that I own in the town of Williamsburg. This cutting is scheduled to begin on
or about the date of November, 2012.

The area to be cut is located in the vicinity of:

Your land north of the cul-de-sac at the end of Judd Lane.

The records of the Assessors show that you own property with a boundary within two hundred feet of
the edge of the cutting area. This letter is to serve the notice requirement as set out in the above cited
law.

Yours Truly,

[Handwritten signature]
Landowner

COMMONWEALTH OF MASSACHUSETTS - EXECUTIVE OFFICE OF ENERGY & ENVIRONMENTAL AFFAIRS

Department of Conservation and Recreation
40 Cold Storage Drive, PO Box 484
Amherst, MA 01004
413-545-5993 413-545-5995 Fax
www.mass.gov/dcr



Deval L. Patrick
Governor

Timothy P. Murray
Lt. Governor

Richard K. Sullivan Jr., Secretary
Executive Office of Energy & Environmental Affairs

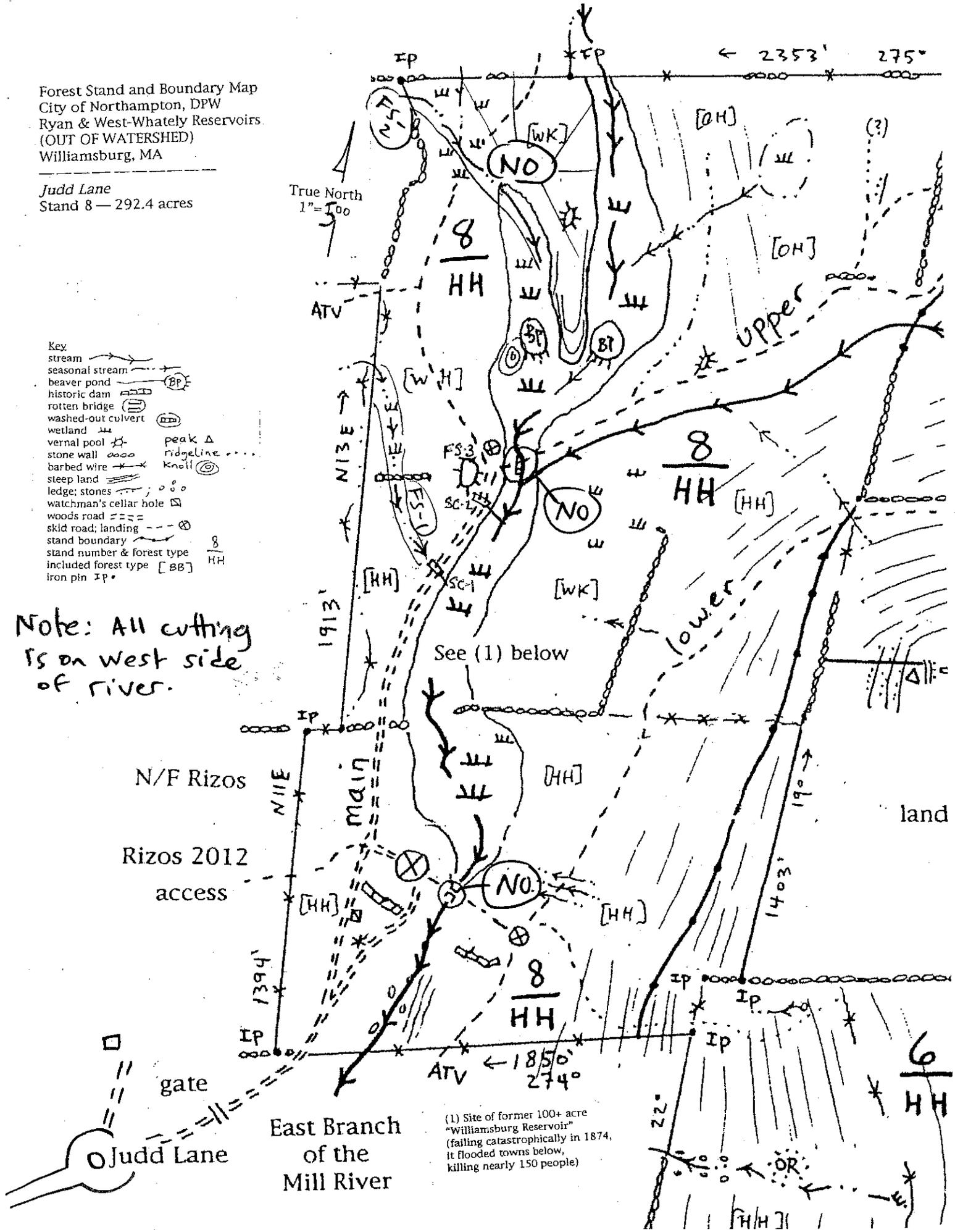
Edward M. Lambert Jr., Commissioner
Department of Conservation & Recreation

Forest Stand and Boundary Map  
 City of Northampton, DPW  
 Ryan & West-Whately Reservoirs  
 (OUT OF WATERSHED)  
 Williamsburg, MA

Judd Lane  
 Stand 8 — 292.4 acres

- Key
- stream ———→
  - seasonal stream - - - - -
  - beaver pond (BP)
  - historic dam (D)
  - rotten bridge (X)
  - washed-out culvert (W)
  - wetland (W)
  - vernal pool (V)
  - stone wall (o-o-o-o)
  - barbed wire (x-x-x-x)
  - steep land (//)
  - ledge; stones (o-o-o)
  - watchman's cellar hole (□)
  - woods road (---)
  - skid road; landing (---)
  - stand boundary (---)
  - stand number & forest type (8/HH)
  - included forest type [BB]
  - iron pin (IP)
  - peak (Δ)
  - ridgeline (---)
  - knoll (⊙)

Note: All cutting  
 is on west side  
 of river.

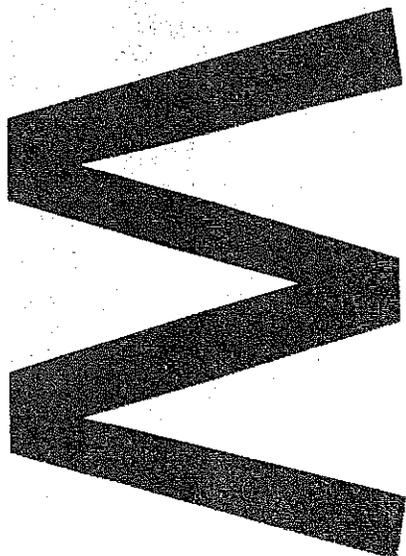


(1) Site of former 100+ acre  
 "Williamsburg Reservoir"  
 (failing catastrophically in 1874,  
 it flooded towns below,  
 killing nearly 150 people)



dcr  
 COMMONWEALTH OF MASSACHUSETTS  
 Department of Conservation and Recreation  
 Division of State Parks and Recreation

FILE # 348.6070.13



# FOREST CUTTING PLAN CERTIFICATE

Post this in a conspicuous place within the area in which the harvesting operation is to take place.

This certifies that City of Northampton Nicole Sanford Forest St. Northampton in accordance with the  
 (Name of Owner) (Address)

provision of M.G.L. Chapter 132, Section 40-46, filed in the Forest Office with the Dept. of Conservation  
 and Recreation, Division of State Parks and Recreation, a Notice of Intent to cut forest products upon the  
 " Field Lane " lot R + W-W Stand 8 ) Williamsburg

Approval Date 11.14.2012

Director's Agent Sean Fiskay

DCR Phone No. (413) 545-4539  
(413) 545-5752

ISSUED BY:

Priscilla E. Geigis, Director  
 Division of State Parks and Recreation

AWH

# Forest Cutting Plan

and Notice of Intent under M.G.L. Chapter 132 - The Forest Cutting Practices Act, 304 CMR 11.00 (Effective Date: 1/1/04)

**For DCR Use Only:**

File Number	<u>068-6072-13</u>	Case No.	
Date Rec'd	<u>10.15.12</u>	Nat. Hert.	<u>NO</u>
Earliest Start	<u>10.30.12</u>	Nat. Hert. Imp.	<u>N/A</u>
River Basin	<u>Conn</u>	Pub. Dr. Wat.	<u>Yes</u>
Gen. Obj.	<u>ht</u>	ACEC	<u>NO</u>

Site Information

## Location

"Poplar Hill" (R & W-W Stand 20)

Town: Conway  
 Road: Poplar Hill & Whately Roads  
 Acres: 97.0 Proposed Start: 11/1/2012  
 Vol. Mbf 177 Vol. Cds. 275 Vol tons 882

## Plan Preparer

Name: Michael Mauri  
 Address: 20 West Street  
 Town, State, Zip: South Deerfield, MA, 01373  
 Phone: (413) 665-6829  
 Type of Preparer: Licensed Forester  
 \*Mass Forester License # 161  
 \*Required for land under CH 61, CH 61A, or Forest Stewardship

## Landowner

Name: City of Northampton DPW  
 Attention: Nicole Sanford, Sr. Env. Scientist  
 Mailing Address: 125 Locust Street  
 Town, State, Zip: Northampton, MA 01060  
 Phone: (413) 587-1376

Ch61  61A  61B  Stew  \*Case # \_\_\_\_\_  
 FSC GC  CR  CR Holder \_\_\_\_\_

## Licensed Timber Harvester\*\*

Name \_\_\_\_\_  
 Address \_\_\_\_\_  
 Town, State, Zip \_\_\_\_\_  
 Phone \_\_\_\_\_  
 Mass. Lic. Harvester # \_\_\_\_\_

\*\*This information may be supplied after the plan is approved, but before work begins.

Best Management Practices

## Stream Crossings

Indicate location on map	SC-1	SC-2	SC-3	SC-4
Type of Crossing	<u>PO</u>			
Existing Structure	<u>N</u>			
Type of Bottom	<u>ST-MU</u>			
Bank Height (ft)	<u>2'</u>			
Stabilization	<u>CO</u>			

## Wetland Crossings NO

Indicate location on map	WC-1	WC-2	WC-3	WC-4
Length of Crossing				
Mitigation				
Stabilization				

## Filter Strips

Indicate location on map	FS-1	FS-2	FS-3	FS-4
Width (50', 100', or VA)	<u>50</u>	<u>50</u>		

## Harvesting in Wetlands NO

Indicate location on map	HW-1	HW-2	HW-3	HW-4
Forest Type (see pg 2)				
Acres to be Harvested				
Resid. Basal Area (>50%?)				

## Service Forester Comments

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Codes

Type of Preparer	Type of Crossing	Stabilization	Mitigation	Type of Bottom
LF Mass. Lic. For.	CU Culvert	SE Seed	FR Frozen	LE Ledge
TH Lic. Tim. Har	BR Bridge	MU Mulch	DR Dry	ST Stony
TB Timber Buyer	FO Ford	CO Corduroy	OT Other	MU Mud
LO Landowner	PO Poled	ST Stone		GR Gravel
OT Other	OT Other	HB Hay Bales		OT Other
		OT Other		

Note:  
 Applicant must provide DCR with all relevant information before plan may be approved and cutting may begin.  
 Some forestry activities, such as prescribed burning and pesticide or fertilizer application may require additional permits.  
 Consult MA Forestry BMP Manual for further information.

If Other (OT) is used in any category an explanation must be given on an attached narrative page

Forest Products

### Products to be Harvested\*

Species	Mbf/cds		Mbf/cds
White Pine	65	Red Maple	4
Red Pine		Sugar Maple	
Pitch Pine	2	Red Oak	2
Hemlock	100	Black Oak	
Spruce		White Oak	
Other Softwd.		Other Hdwd.	
White Ash		Total Mbf	177
Beech		Cordwood (cds)	275
White Birch		SW Pulp (Tons**)	882
B & Y Birch	4	HW Pulp (Tons)	
Black Cherry		Chips (Tons)	

\*Note: Volumes and values indicated in the Plan are as reported by the plan preparer and have not been independently verified by the service forester upon approval. Mbf = thousand board feet.

Stand Treatment

### Cutting Standards

Indicate location on map	ST-20		
Forest Type	WH		
Acres	97.0		
Landowner Objective	LT		
Designation of Trees	CT*		
Type of Cut	SH		
Source of Regeneration	**		

\*all cut-trees to be marked prior to harvest; \*\*AD & SE

\*\*2 tons per cord

Note: volumes shown are pre-marking estimates; actual estimated volumes to be provided after marking.

### Landowner Signature

The most important information on a cutting plan is the Landowner's objective, as this will determine which trees will be harvested and which will remain; this decision will also determine the future condition of the forest for decades to come. After having read the Massachusetts Forest Cutting Plan Information Sheet on page one, indicate your objective by checking the appropriate box below.

**LT - Long-term Forest Management**

Planned management of the forest to achieve one or more of the following objectives: produce immediate and maximize long-term income, enhance wildlife habitat, improve recreational opportunities, protect soil and water quality, or produce forest specialty products.

**ST - Short-term Harvest**

Harvest of trees with the main intention of producing short-term income with minimal consideration given to improving the future forest condition, which often results in a forest dominated by poor quality and low value species.

I (we) have read the Massachusetts Cutting Plan Information Sheet, and am aware of my (our) management options.  
 I (we) hereby certify that I (we) have the legal authority to carry out the operation described above.  
 I (we) certify that I (we) have notified the Conservation Commission in the town in which the operation is to take place and the abutters of record within two hundred feet of the area to be harvested.  
 I (we) understand that the volumes and values (Ch61 only) in this plan have not been independently verified by the service forester upon approval and will report final values and volumes to the Director or his/her agent if the final figures differ from those reported.

*Edward S. Kuntz*

*10/15/12*

Signature of landowner(s)

Date

Landowner

### Determination and Status

*068-6072-13*

Approved  Disapproved  Expires *10-16-2014*

Cutting Plan

*Alison Wyck-Hunter*

*11/15/12*

Signature of Service Forester/Director's Agent

Date

### Final Report and Comments

I hereby certify that the afore described Forest Cutting Plan and all relevant statutes have been substantially complied with.

Signature of Service Forester/Director's Agent

Date

Extension  Expires *1* Ser. For. Ints. *1*

Amendment App 1  Dis 1  App 2  Dis 2  *1*

Service Forester

Codes

Forest Types	Designation of Trees	Type of Cut	Source of Regeneration
WP White Pine	CT Cut Tree	SH Shelterwood	AD Advanced
WK WP/Hem	LT Leave Tree	ST Seed Tree	SE Natural Seed
WH WP/Hdwd	SB Stand Boundary	CC Clear Cut	PL Plant
WO WP/Oak	OT Other	SE Selection	CO Coppice
RP Red Pine	Landowner Objective	SA Salvage	DS Direct Seed
SR Red Spruce	LT Long-term Mgt.	SN Sanitation	OT Other
	ST Short-term Har.	Intermediate Harvester:	
		CT Commercial Thin	
		NT Non Com Thin	
		Non-Standard Systems:*	
		HG Highgrade*	
		DL Diameter Limit*	
		OT Other*	

\*If Other (OT) or a non-standard system is used an explanation must be given on attached narrative page

# Forest Cutting Plan

Landowner City of Northampton

Narrative Page (Effective Date: 1/1/04)

Town Carway

Use this page to provide further explanation or if Other (OT) was used in any category on pages 3 or 4.

File Number \_\_\_\_\_

BMPs

Use this Section to provide further explanation or if Other (OT) was used in any category in the Best Management Practices Section on Page 3.

Marking Codes: horizontal stripe: tallied as timber; diagonal stripe: tallied as wood or pulp; double horizontal or double diagonal stripe: timber, wood or pulp tree is near property boundary; dot: small tree that was not tallied but must be cut, utilization optional; "X": tree to be cut and left whole on the ground and not utilized; "E": end of marked area, do not go beyond this point with equipment; "LV": leave tree top whole, do not utilize.

Designation of Trees

Use this Section to describe the types of trees to be harvested and/or retained if Other (OT) was used for "Designation of Trees" in the Stand Treatment Section on page 4.

Stand No.	Species to be Cut	Size of Trees to be Cut	Quality of Trees to be Cut	% BA/AC removed
20	HK, WP, PP BB, RM, OR and other hdwds	4" - 25"	generally poorer than trees to keep	30%

Regeneration & Future Condition

Use this Section to describe how Chapter 132 requirements will be met if a non standard system (HG, DL, or OT) was used for the "Type of Cut" in the Cutting Standards Section on page 4.

Stand No.	Source of Regeneration (ex. AD, SE)	How will Regeneration be obtained/protected? If using AD - Describe the species present and how the regeneration will be protected If using SE - Describe the source of the seed and the number of seed trees/acre

Stand No.	Desired Future Condition Describe what the stand is expected to look like five years from the harvest, including the condition of the overstory & understory

STAND LOCATOR MAP

LAND OF: City of Northampton  
Department of Public Works

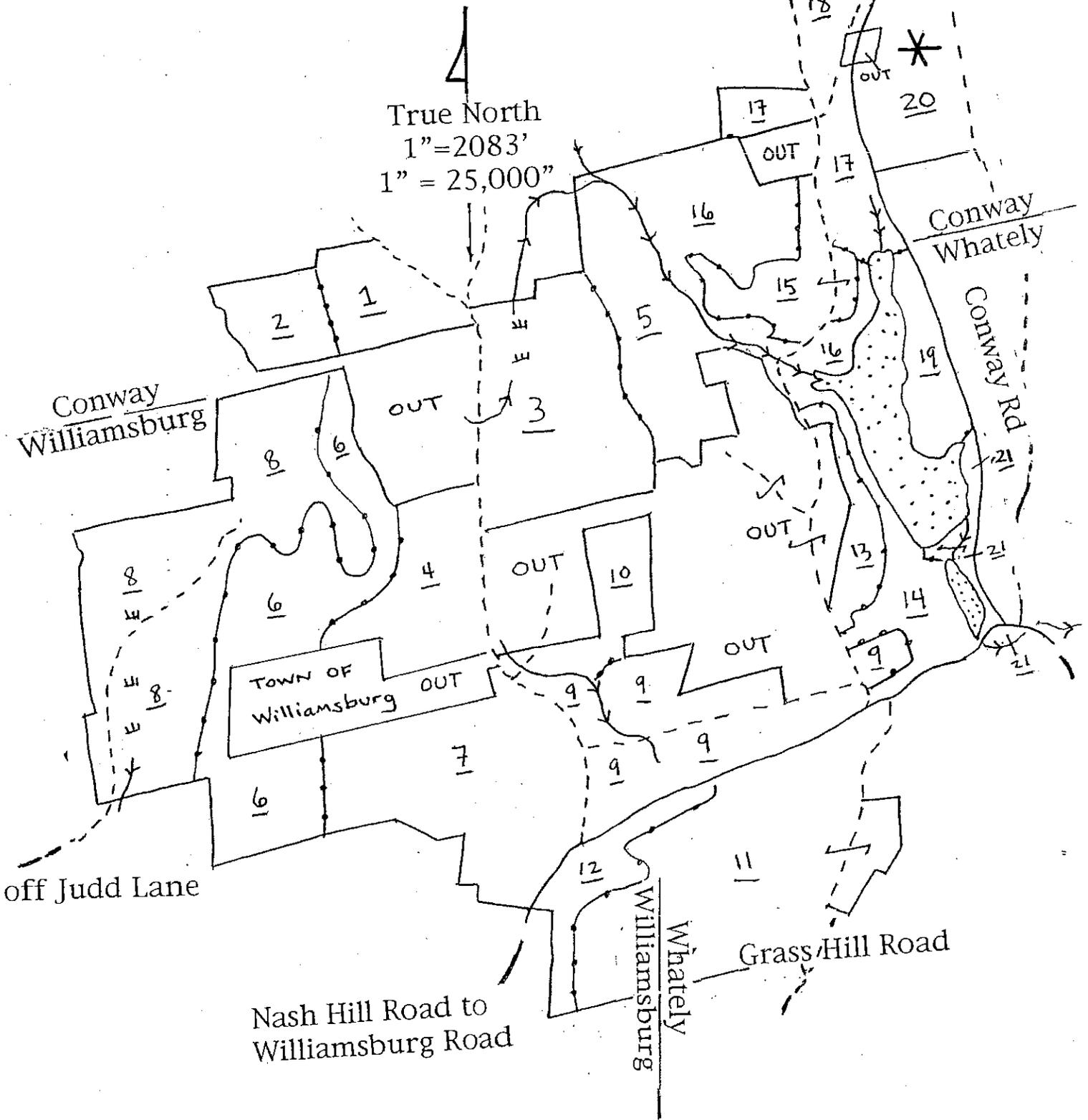
Ryan & West-Whately Reservoirs

ACRES: 2,440 +/- (ca. 94.5 is water)

TOWNS: Whately, Conway and Williamsburg

TOPO SHEET: Williamsburg

cut  
area \*



Forest Stand and Boundary Map  
 City of Northampton, DPW  
 Ryan & West-Whately Reservoirs  
 Conway, MA

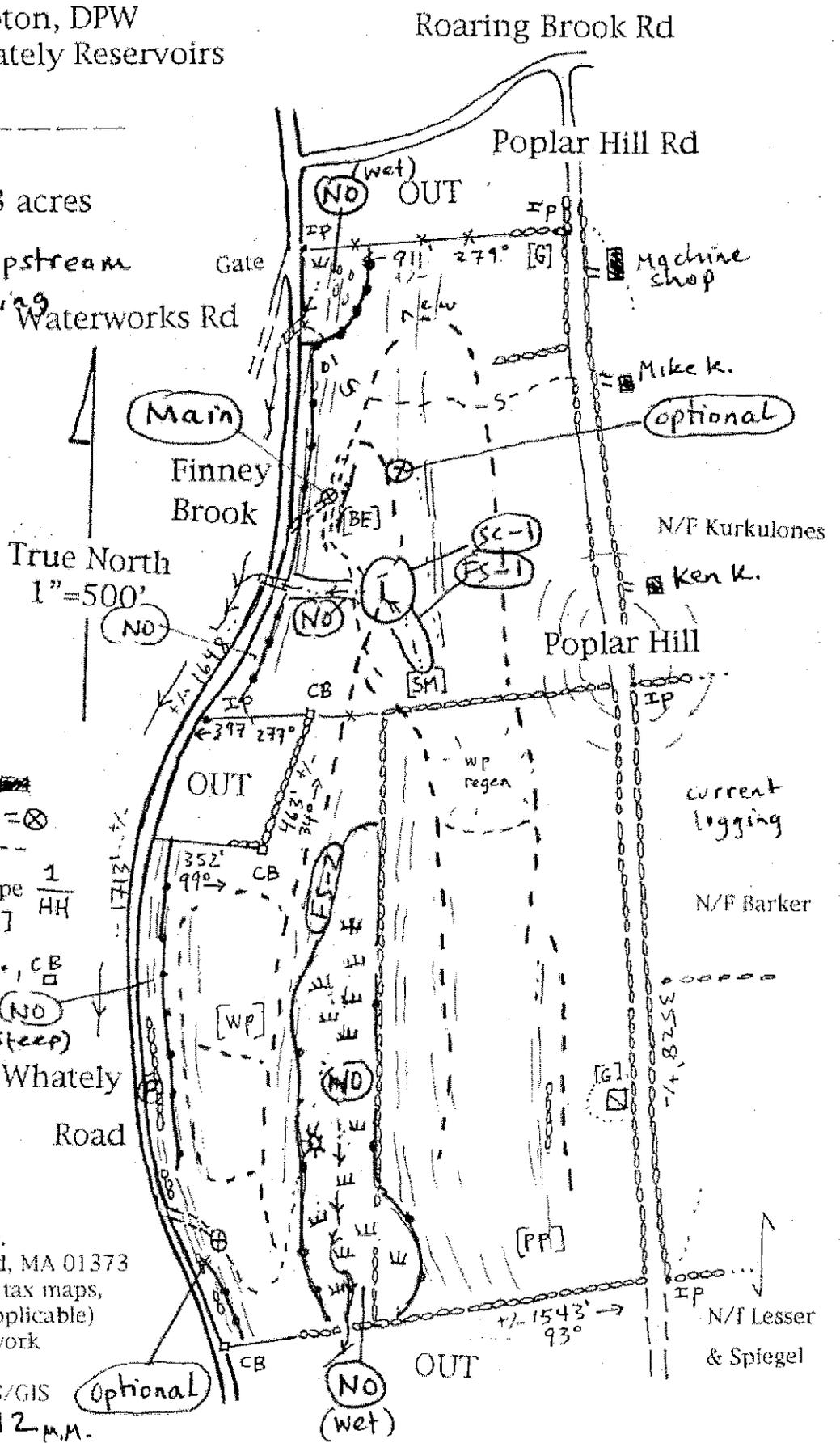
Poplar Hill  
 Stand 20 — 108.3 acres

Note: SC-1 is upstream  
 from an old crossing  
 that will not be  
 used.

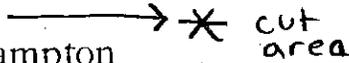
Key

- stream →
- seasonal stream →
- culvert [|||||]
- wetland [|||||]
- vernal pool [X]
- water [ ]
- beaver pond (BPE)
- stone wall [|||||]
- barbed wire [X]
- steep land [|||||]
- ledge; stones [ ]
- cellar hole [ ]
- house; machine shop [ ]
- old road cut to landing [ ]
- snowmobile trail [ ]
- stand boundary [ ]
- stand number & forest type  $\frac{1}{HH}$
- included forest type [SM]
- parking (P)
- iron pin; conc. bound IP, CB
- grapes [G]
- sugar maple [SM]
- pitch pine [PP]
- white pine [WP]
- beech [BE]

Map by Michael Mauri, L.F.  
 20 West Street, S. Deerfield, MA 01373  
 (413) 665-6829, based on tax maps,  
 old cutting maps (where applicable)  
 GIS-based maps and fieldwork  
 by M.M., 2/2012  
 all metes & bounds by GPS/GIS  
 AMENDED 11-9-12 M.M.



LOCUS MAP

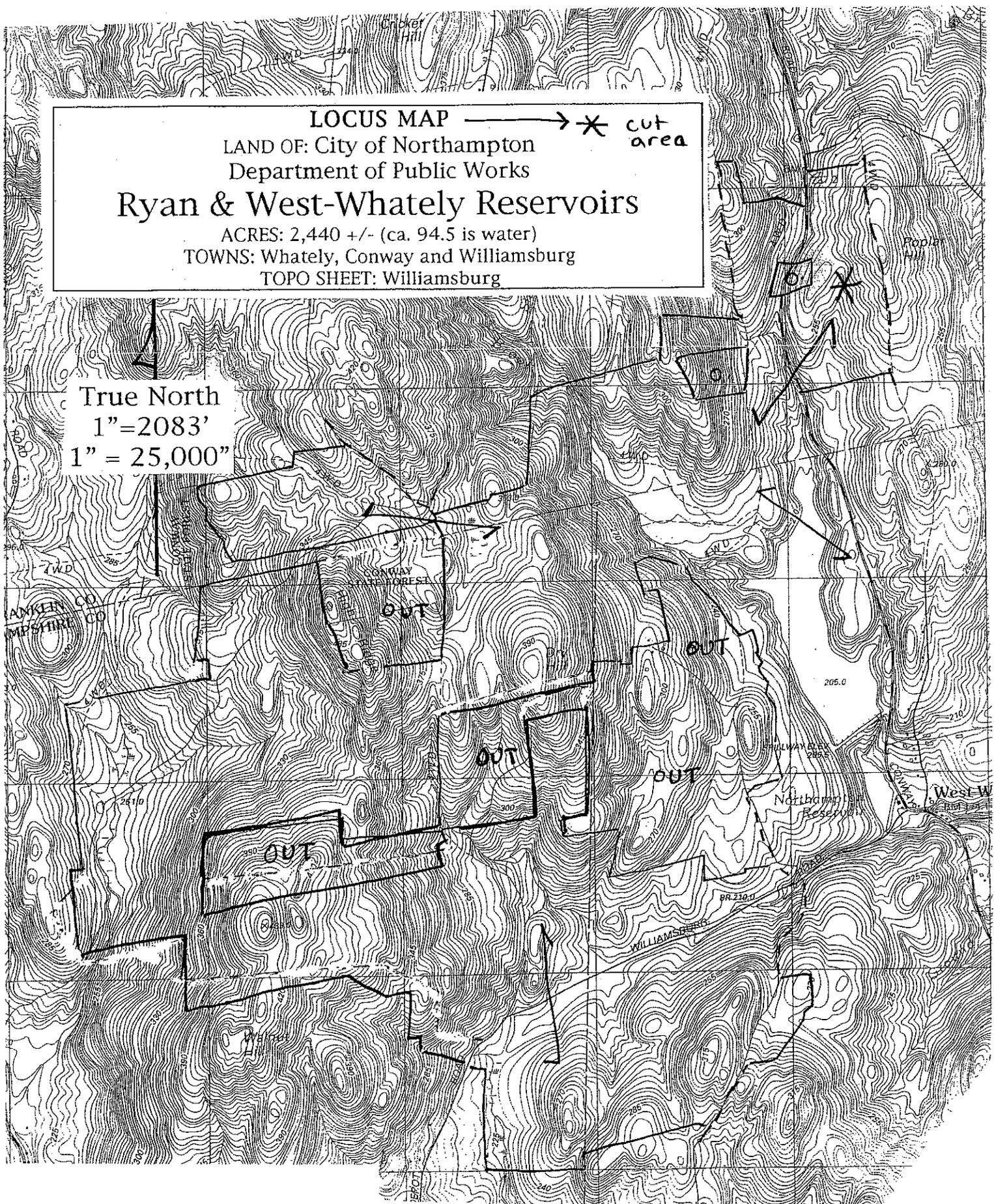


LAND OF: City of Northampton  
Department of Public Works

# Ryan & West-Whately Reservoirs

ACRES: 2,440 +/- (ca. 94.5 is water)  
TOWNS: Whately, Conway and Williamsburg  
TOPO SHEET: Williamsburg

True North  
1" = 2083'  
1" = 25,000"

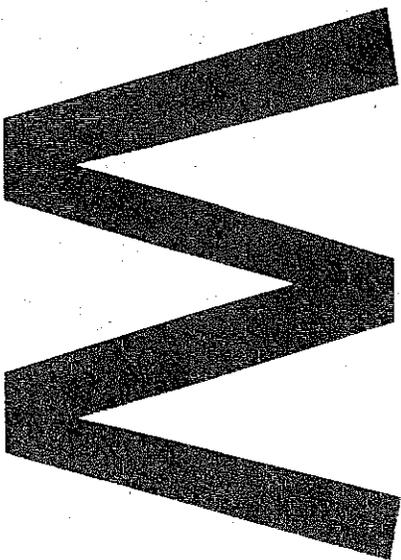




dcrc  
 COMMONWEALTH OF MASSACHUSETTS  
 Department of Conservation and Recreation  
 Division of State Parks and Recreation

FILE # 068.6072.13

# FOREST CUTTING PLAN CERTIFICATE



Post this in a conspicuous place within the area in which the harvesting operation is to take place.

This certifies that City of Northampton DPW Nicole Sanford Societ St. Northampton (Name of Owner) Northampton (Address) in accordance with the

provision of M.G.L. Chapter 132, Section 40-46, filed in the Forest Office with the Dept. of Conservation and Recreation, Division of State Parks and Recreation, a Notice of Intent to cut forest products upon the Poplar Hill - Mt. St. George Road (R-10-W Stand 30) Conway

Approval Date 11.15.2012

ISSUED BY:

Director's Agent Alison Wright-Kuster

DCR Phone No. (413) 545-5751

Priscilla E. Geigis, Director  
 Division of State Parks and Recreation

(413) 545-5752

# Forest Cutting Plan

and Notice of Intent under M.G.L. Chapter 132 – The Forest Cutting Practices Act, 304 CMR 11.00 (Effective Date: 1/1/04)

*Amendment #1 for SC-3*

### For DCR Use Only:

File Number	<u>068-6071-13</u>	Case No.	_____
Date Rec'd	<u>10-15-17</u>	Nat. Hert.	<u>NO 1</u>
Earliest Start	<u>10-30-18</u>	Nat. Hert. Imp.	<u>NO</u>
River Basin	<u>Conn</u>	Pub. Dr. Wat.	<u>YES</u>
Gen. Obj.	<u>HT</u>	ACEC	<u>NO</u>

*AWH*

Site Information

### Location

"Ryan Res. North Oak-Hemlock" (R & W-W 16)r  
 Town: Conway  
 Road: Waterworks Road (off Conway Road)  
 Acres: 98.0 Proposed Start: 11/1/2012  
 Vol. Mbf 162 Vol. Cds. 264 Vol tons 464

### Plan Preparer

Name: Michael Mauri  
 Address: 20 West Street  
 Town, State, Zip: South Deerfield, MA, 01373  
 Phone: (413) 665-6829  
 Type of Preparer: Licensed Forester  
 \*Mass Forester License # 161  
 \*Required for land under CH 61, CH 61A, or Forest Stewardship

### Landowner

Name: City of Northampton DPW  
 Attention: Nicolé Sanford, Sr. Env. Scientist  
 Mailing Address: 125 Locust Street  
 Town, State, Zip: Northampton, MA 01060  
 Phone: (413) 587-1376  
 Ch61  61A  61B  Stew  \*Case # \_\_\_\_\_  
 FSC GC  CR  CR Holder \_\_\_\_\_

### Licensed Timber Harvester\*\*

Name: \_\_\_\_\_  
 Address: \_\_\_\_\_  
 Town, State, Zip: \_\_\_\_\_  
 Phone: \_\_\_\_\_  
 Mass. Lic. Harvester # \_\_\_\_\_  
 \*\*This information may be supplied after the plan is approved, but before work begins.

Best Management Practices

### Stream Crossings

*Amend 1/3/13*

Indicate location on map	SC-1	SC-2	SC-3	SC-4
Type of Crossing	<u>CU</u>	<u>BR</u>	<u>CU</u>	
Existing Structure	<u>Y</u>	<u>Y</u>	<u>Y</u>	
Type of Bottom	<u>ST</u>	<u>ST</u>	<u>MU</u>	
Bank Height (ft)	<u>&lt;1</u>	<u>3'</u>	<u>1.5'</u>	
Stabilization	<u>SE/ST</u>	<u>ST/OT</u>	<u>CO</u>	

### Wetland Crossings

*+ OT = port. BR over existing BR*

Indicate location on map	WC-1	WC-2	WC-3	WC-4
Length of Crossing				
Mitigation				
Stabilization				

### Filter Strips

Indicate location on map	FS-1	FS-2	FS-3	FS-4
Width (50', 100', or VA)	<u>50</u>	<u>50</u>	<u>50</u>	

*Amend*

### Harvesting in Wetlands

Indicate location on map	HW-1	HW-2	HW-3	HW-4
Forest Type (see pg 2)				
Acres to be Harvested				
Resid. Basal Area (>50%?)				

### Service Forester Comments

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

Codes

Type of Preparer	Type of Crossing	Stabilization	Mitigation	Type of Bottom
LF Mass. Lic. For.	CU Culvert	SE Seed	FR Frozen	LE Ledge
TH Lic. Tim. Har	BR Bridge	MU Mulch	DR Dry	ST Stony
TB Timber Buyer	FO Ford	CO Corduroy	OT Other	MU Mud
LO Landowner	PO Poled	ST Stone		GR Gravel
OT Other	OT Other	HB Hay Bales		OT Other

Note: Applicant must provide DCR with all relevant information before plan may be approved and cutting may begin. Some forestry activities, such as prescribed burning and pesticide or fertilizer application may require additional permits. Consult MA Forestry BMP Manual for further information.

If Other (OT) is used in any category an explanation must be given on an attached narrative page

Forest Products

### Products to be Harvested\*

Species	Mbf/cds		Mbf/cds
White Pine	20	Red Maple	3
Red Pine	10	Sugar Maple	
Pitch Pine		Red Oak	10
Hemlock	105	Black Oak	
Spruce		White Oak	
Other Softwd.		Other Hdwd.	
White Ash	2	Total Mbf	162
Beech		Cordwood (cds)	264
White Birch		SW Pulp (Tons**)	464
B & Y Birch	12	HW Pulp (Tons)	
Black Cherry		Chips (Tons)	

\*\*2 tons per cord

\*Note: Volumes and values indicated in the Plan are as reported by the plan preparer and have not been independently verified by the service forester upon approval. Mbf = thousand board feet.

Stand Treatment

### Cutting Standards

Indicate location on map	ST-16			
Forest Type	HH			
Acres	98.0			
Landowner Objective	LT			
Designation of Trees	CT*			
Type of Cut	SE			
Source of Regeneration	**			

\*all cut-trees to be marked prior to harvest; \*\*AD & SE

Note: volumes shown are pre-marking estimates; actual estimated volumes to be provided after marking.

Landowner

### Landowner Signature

The most important information on a cutting plan is the Landowner's objective, as this will determine which trees will be harvested and which will remain; this decision will also determine the future condition of the forest for decades to come. After having read the Massachusetts Forest Cutting Plan Information Sheet on page one, indicate your objective by checking the appropriate box below.

**LT - Long-term Forest Management**

Planned management of the forest to achieve one or more of the following objectives: produce immediate and maximize long-term income, enhance wildlife habitat, improve recreational opportunities, protect soil and water quality, or produce forest specialty products.

**ST - Short-term Harvest**

Harvest of trees with the main intention of producing short-term income with minimal consideration given to improving the future forest condition, which often results in a forest dominated by poor quality and low value species.

I (we) have read the Massachusetts Cutting Plan Information Sheet, and am aware of my (our) management options.

I (we) hereby certify that I (we) have the legal authority to carry out the operation described above.

I (we) certify that I (we) have notified the Conservation Commission in the town in which the operation is to take place and the abutters of record within two hundred feet of the area to be harvested.

I (we) understand that the volumes and values (Ch6I only) in this plan have not been independently verified by the service forester upon approval and will report final values and volumes to the Director or his/her agent if the final figures differ from those reported.

*Edward S. Nutty*

*10/5/12*

Signature of landowner(s)

Date

Service Forester

### Determination and Status *068-6071-13*

Approved  Disapproved  Expires *10.16.2014*

Cutting Plan

*Sharon W. Hunter* *11/8/12*

Signature of Service Forester/Director's Agent Date

Extension 1  2  Expires *1* Ser. For. Ints. *1*

Amendment App 1  Dis 1  App 2  Dis 2  *SPW*

*SC-3* *1/6/14*

### Final Report and Comments

I hereby certify that the afore described Forest Cutting Plan and all relevant statutes have been substantially complied with.

Signature of Service Forester/Director's Agent

Date

Codes

Forest Types	Designation of Trees	Type of Cut	Source of Regeneration
WP White Pine	CT Cut Tree	SH Shelterwood	AD Advanced
WK WP/Hem	LT Leave Tree	ST Seed Tree	SE Natural Seed
WH WP/Hdwd	SB Stand Boundary	CC Clear Cut	PL Plant
WO WP/Oak	OT Other	SE Selection	CO Coppice
RP Red Pine	Landowner Objective	SA Salvage	DS Direct Seed
SR Red Spruce	LT Long-term Mgt.	SN Sanitation	OT Other
	ST Short-term Har.		
		Intermediate Harvests:	
		CT Commercial Thin	
		NT Non Com Thin	
		Non-Standard Systems:*	
		HG Highgrade*	
		DL Diameter Limit*	
		OT Other*	

\*If Other (OT) or a non-standard system is used an explanation must be given on attached narrative page

# Forest Cutting Plan

Landowner City of Northampton

Narrative Page (Effective Date: 1/1/04)

Town Conway

Use this page to provide further explanation or if Other (OT) was used in any category on pages 3 or 4.

File Number \_\_\_\_\_

BMPs

Use this Section to provide further explanation or if Other (OT) was used in any category in the Best Management Practices Section on Page 3.

Marking Codes: horizontal stripe: tallied as timber; diagonal stripe: tallied as wood or pulp; double horizontal or double diagonal stripe: timber, wood or pulp tree is near property boundary; dot: small tree that was not tallied but must be cut, utilization optional; "X": tree to be cut and left whole on the ground and not utilized; "E": end of marked area, do not go beyond this point with equipment; "LV": leave tree top whole, do not utilize.

Designation of Trees

Use this Section to describe the types of trees to be harvested and/or retained if Other (OT) was used for "Designation of Trees" in the Stand Treatment Section on page 4.

Stand No.	Species to be Cut	Size of Trees to be Cut	Quality of Trees to be Cut	% BA/Acre Removed
<u>Stand No.</u>	<u>Species to be Cut</u>	<u>Size of Trees to be Cut</u>	<u>Quality of Trees to be Cut</u>	<u>% BA/AC removed</u>
16	HK, WP BB, RM, OR and other hdwds	4" - 25"	generally poorer than trees to keep	25%

Regeneration & Future Condition

Use this Section to describe how Chapter 132 requirements will be met if a non standard system (HG, DL, or OT) was used for the "Type of Cut" in the Cutting Standards Section on page 4.

Stand No.	Source of Regeneration (ex. AD, SE)	How will Regeneration be obtained/protected? If using AD - Describe the species present and how the regeneration will be protected If using SE - Describe the source of the seed and the number of seed trees/acre

Stand No.	Desired Future Condition Describe what the stand is expected to look like five years from the harvest, including the condition of the overstory & understory

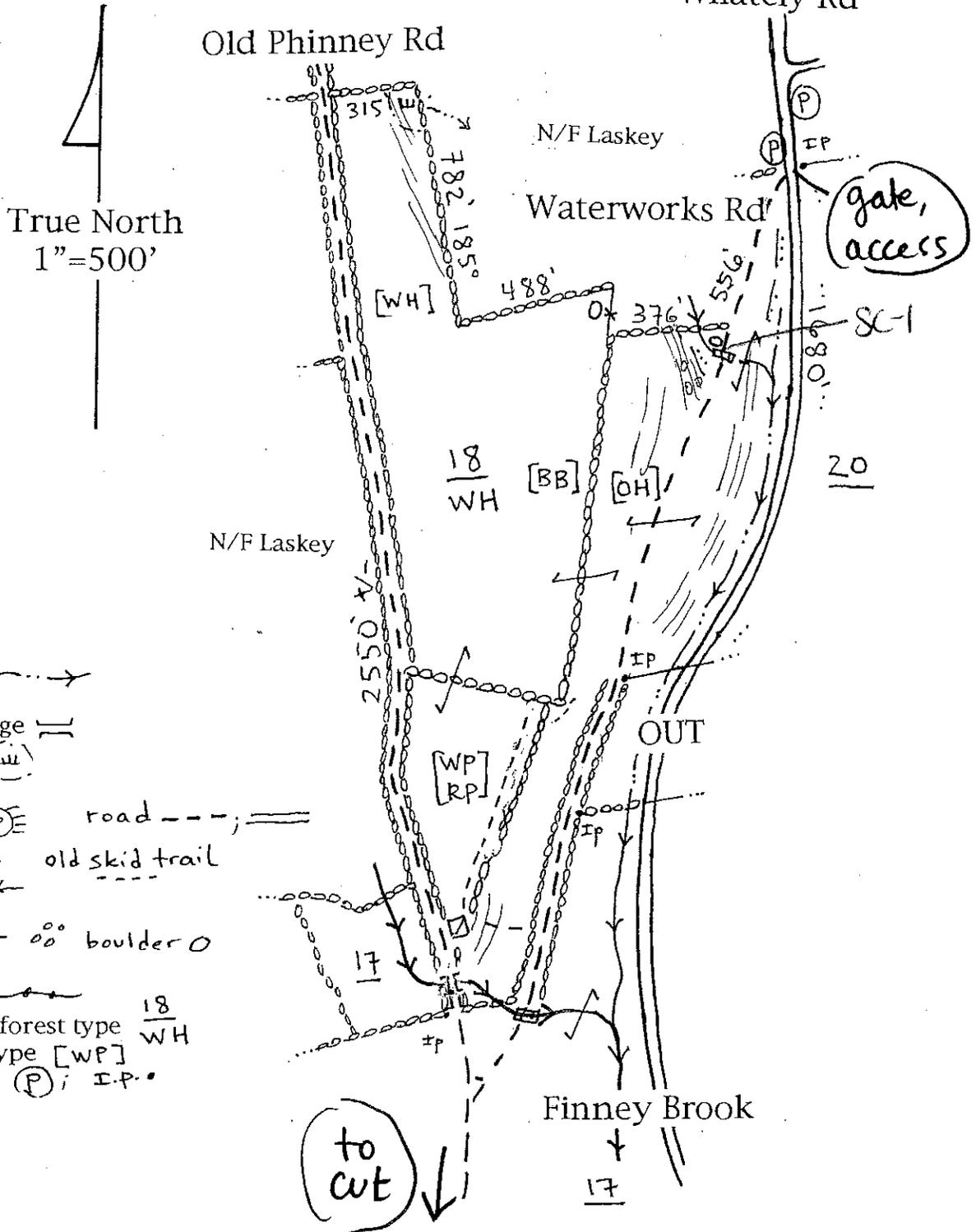


Forest Stand and Boundary Map  
 City of Northampton, DPW  
 Ryan & West-Whately Reservoirs  
 Conay, MA

Map by Michael Mauri, L.F.  
 20 West St. S. Dfld., MA 01373  
 (413) 665-6829 based on tax maps  
 old DPW maps (where applicable)  
 GIS-based map and fieldwork;  
 All metes and bounds by GPS/GIS

Waterworks Road Northwest  
 Stand 18 — 50.9 acres

Map (1)  
 gate + bottom of  
 truck road  
 Whately Rd



Key

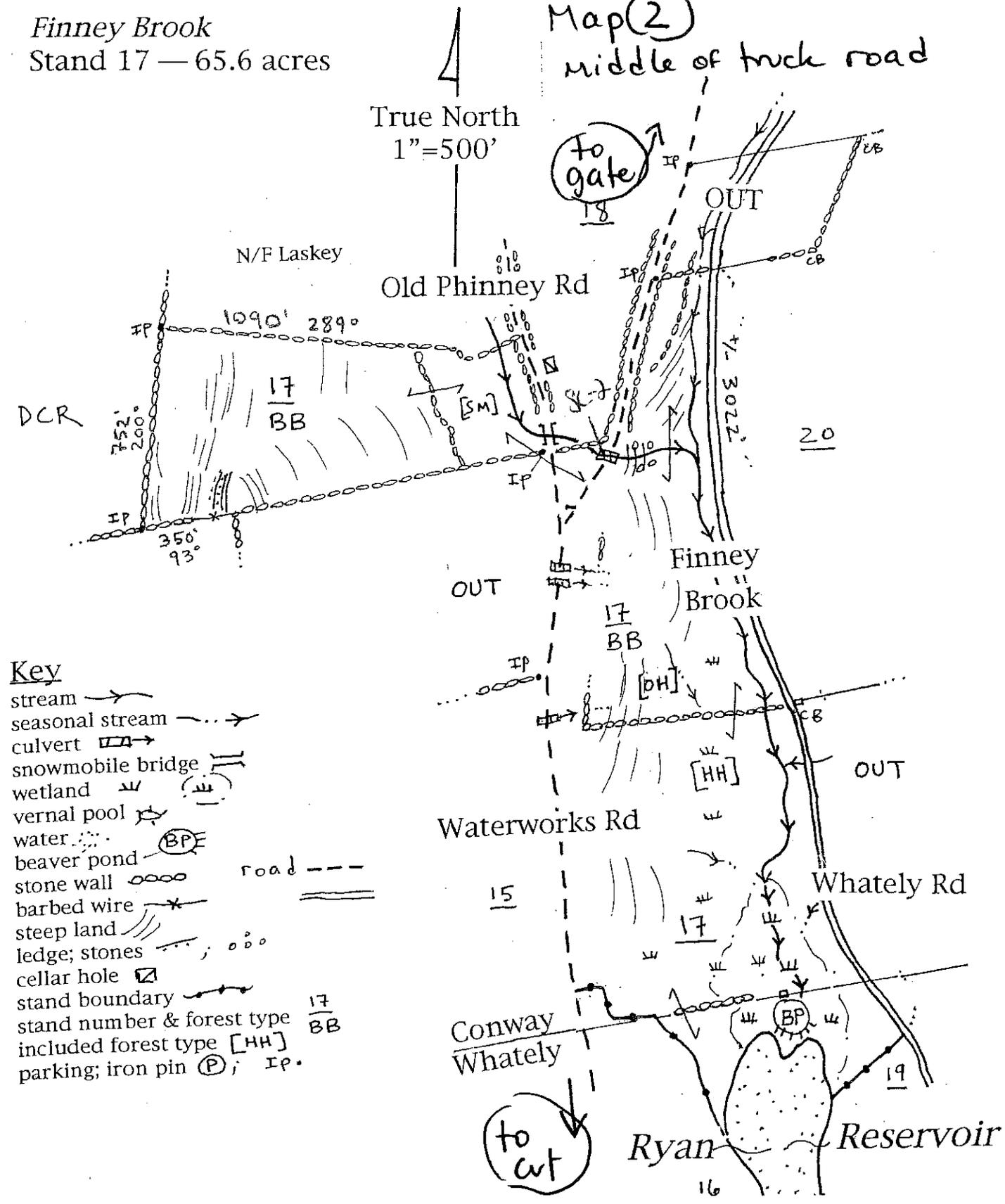
- stream →
- seasonal stream - - - →
- culvert [hatched box]
- snowmobile bridge [double line]
- wetland [wavy lines]
- vernal pool [sun symbol]
- water [dotted lines]
- beaver pond (BP) [circle with BP]
- stone wall [zigzag line]
- barbed wire [crossed line]
- steep land [diagonal lines]
- ledge; stones [dotted line]
- cellar hole [square]
- stand boundary [dashed line]
- stand number & forest type  $\frac{18}{WH}$
- included forest type [WP]
- parking; iron pin (P); I.P.
- road [dashed line]
- old skid trail [dotted line]
- boulder [circle]

Forest Stand and Boundary Map  
 City of Northampton, DPW  
 Ryan & West-Whately Reservoirs  
 Conway & Whately, MA

Map by Michael Mauri, L.F.  
 20 West St. S. Dfld., MA 01373  
 (413) 665-6829 based on tax maps  
 old DPW maps (where applicable)  
 GIS-based map and fieldwork;  
 All metes and bounds by GPS/GIS

*Finney Brook*  
 Stand 17 — 65.6 acres

Map (2)  
 middle of truck road



- Key**
- stream →
  - seasonal stream - - - →
  - culvert [ ] →
  - snowmobile bridge [ ]
  - wetland [ ]
  - vernal pool [ ]
  - water [ ]
  - beaver pond (BP)
  - stone wall [ ]
  - barbed wire [ ]
  - steep land [ ]
  - ledge; stones [ ]
  - cellar hole [ ]
  - stand boundary [ ]
  - stand number & forest type [ ]
  - included forest type [HH]
  - parking; iron pin (P); IP.

Forest Stand and Boundary Map  
 City of Northampton, DPW  
 Ryan & West-Whately Reservoirs  
 Conway & Whately, MA

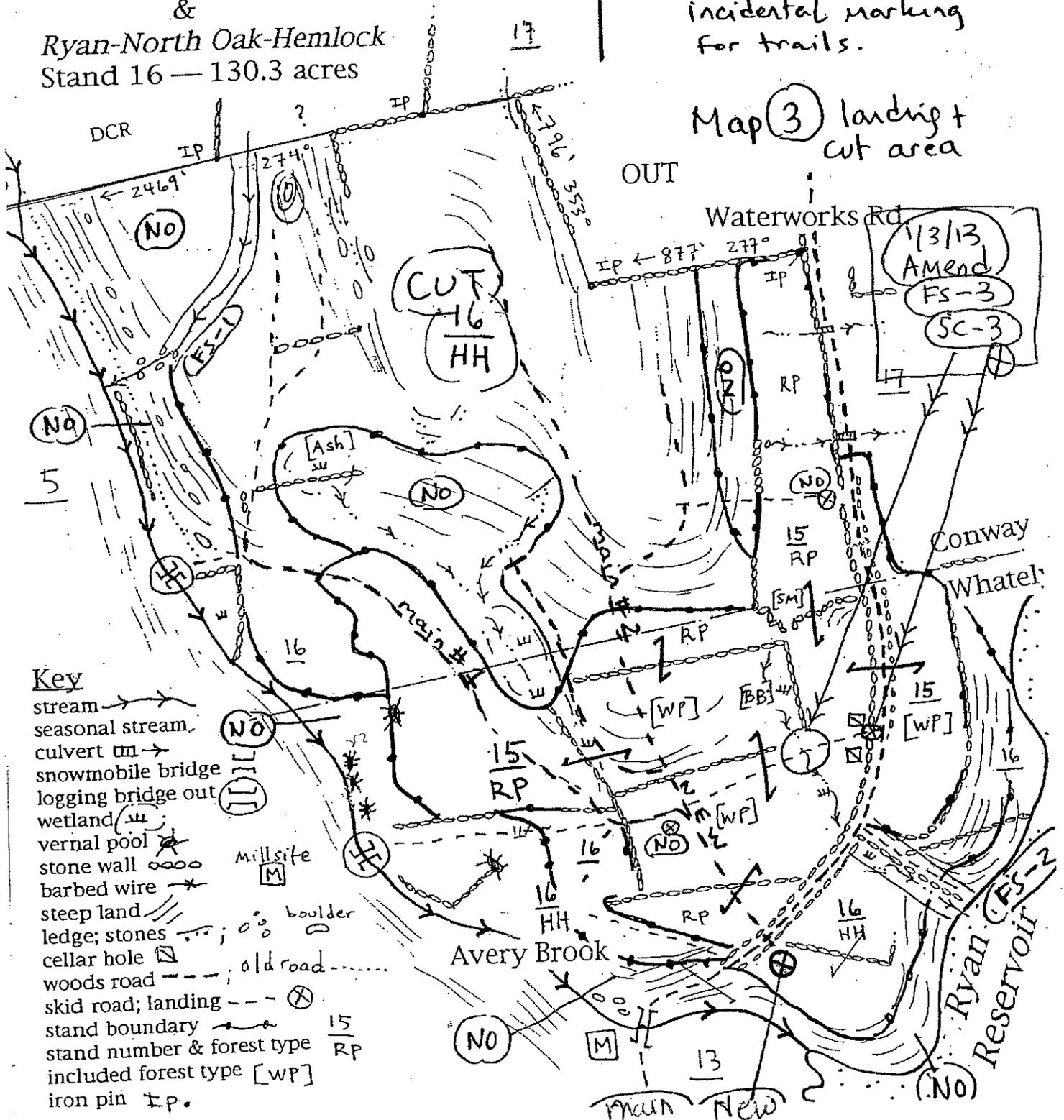
Map by Michael Mauri, L.F.  
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 (413) 665-6829 based on tax maps  
 old DPW maps (where applicable)  
 GIS-based map and fieldwork;  
 All metes and bounds by GPS/GIS

Ryan North Red Pine Plantation  
 Stand 15 — 65.2 acres  
 &  
 Ryan-North Oak-Hemlock  
 Stand 16 — 130.3 acres

True North  
 1"=500'

Note: skid trails  
 cross ST-15, with  
 incidental marking  
 for trails.

Map ③ landing +  
 cut area



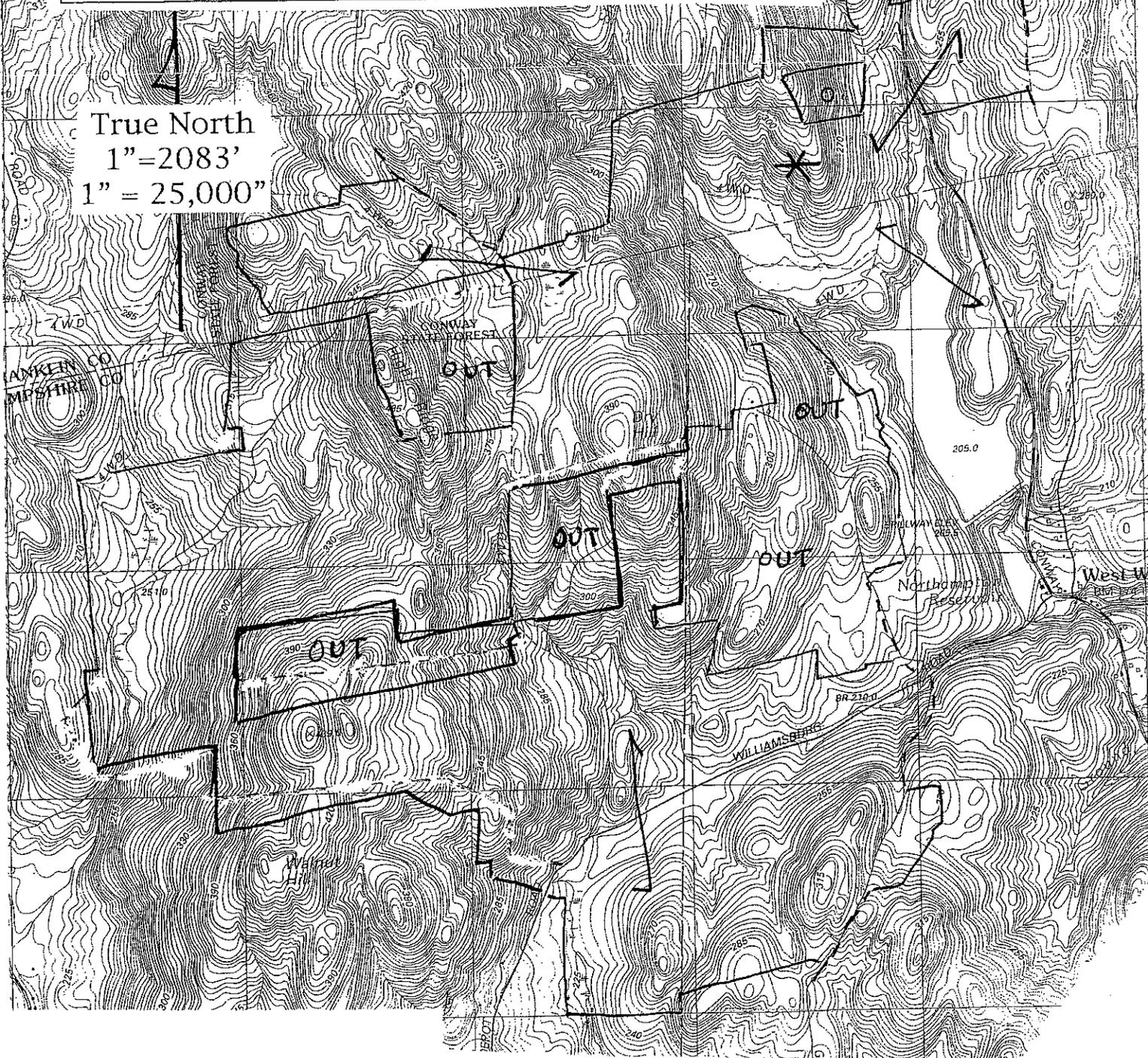
LOCUS MAP → \* cut area

LAND OF: City of Northampton  
Department of Public Works

# Ryan & West-Whately Reservoirs

ACRES: 2,440 +/- (ca. 94.5 is water)  
TOWNS: Whately, Conway and Williamsburg  
TOPO SHEET: Williamsburg

True North  
1" = 2083'  
1" = 25,000"





dcR

COMMONWEALTH OF MASSACHUSETTS

Department of Conservation and Recreation

Division of State Parks and Recreation

FILE # 068-6071.13

# FOREST CUTTING PLAN CERTIFICATE

# W

Post this in a conspicuous place within the area in which the harvesting operation is to take place:

This certifies that City of Northampton Nicole Sanford Forest St. Northampton in accordance with the  
(Name of Owner) (Address)

provision of M.G.L. Chapter 132, Section 40-46, filed in the Forester Office with the Dept. of Conservation  
and Recreation, Division of State Parks and Recreation, a Notice of Intent to cut forest products upon the  
Waterworks Rd. off Broadway Rd., Cherry

Approval Date 11.8.2012

Director's Agent Alison Wright-Hunter

DCR Phone No. (413) 545-5751

(413) 545-5752

ISSUED BY:

Priscilla E. Geigis, Director  
Division of State Parks and Recreation

AWH

# Forest Cutting Plan

and Notice of Intent under M.G.L. Chapter 132 – The Forest Cutting Practices Act, 304 CMR 11.00 (Effective Date: 1/1/04)

### For DCR Use Only:

File Number	<u>068-6071-13</u>	Case No.	_____
Date Rec'd	<u>10-15-12</u>	Nat. Hert.	<u>NO</u> / _____
Earliest Start	<u>10-30-12</u>	Nat. Hert. Imp.	<u>NO</u> / _____
River Basin	<u>Conn</u>	Pub. Dr. Wat.	<u>YES</u> / _____
Gen. Obj.	<u>HT</u>	ACEC	<u>NO</u> / _____

Site Information

## Location

"Ryan Res. North Oak-Hemlock" (R & W-W 16)  
 Town: Conway  
 Road: Waterworks Road (off Conway Road)  
 Acres: 98.0 Proposed Start: 11/1/2012  
 Vol. Mbf 162 Vol. Cds. 264 Vol tons 464

## Plan Preparer

Name: Michael Mauri  
 Address: 20 West Street  
 Town, State, Zip: South Deerfield, MA, 01373  
 Phone: (413) 665-6829  
 Type of Preparer: Licensed Forester  
 \*Mass Forester License # 161  
 \*Required for land under CH 61, CH 61A, or Forest Stewardship

## Landowner

Name: City of Northampton DPW  
 Attention: Nicole Sanford, Sr. Env. Scientist  
 Mailing Address: 125 Locust Street  
 Town, State, Zip: Northampton, MA 01060  
 Phone: (413) 587-1376

Ch61  61A  61B  Stew  \*Case # \_\_\_\_\_  
 FSC GC  CR  CR Holder \_\_\_\_\_

## Licensed Timber Harvester\*\*

Name \_\_\_\_\_  
 Address \_\_\_\_\_  
 Town, State, Zip \_\_\_\_\_  
 Phone \_\_\_\_\_  
 Mass. Lic. Harvester # \_\_\_\_\_

\*\*This information may be supplied after the plan is approved, but before work begins.

Best Management Practices

## Stream Crossings

Indicate location on map	SC-1	SC-2	SC-3	SC-4
Type of Crossing	<u>CU</u>	<u>BR</u>		
Existing Structure	<u>Y</u>	<u>Y</u>		
Type of Bottom	<u>ST</u>	<u>ST</u>		
Bank Height (ft)	<u>&lt;1</u>	<u>3'</u>		
Stabilization	<u>SE/ST</u>	<u>ST/OT</u>		

## Wetland Crossings

Indicate location on map	WC-1	WC-2	WC-3	WC-4
Length of Crossing				
Mitigation				
Stabilization				

## Filter Strips

Indicate location on map	FS-1	FS-2	FS-3	FS-4
Width (50', 100', or VA)	<u>50</u>	<u>50</u>		

## Harvesting in Wetlands

Indicate location on map	HW-1	HW-2	HW-3	HW-4
Forest Type (see pg 2)				
Acres to be Harvested				
Resid. Basal Area (>50%?)				

## Service Forester Comments

\_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_

Codes

Type of Preparer	Type of Crossing	Stabilization	Mitigation	Type of Bottom
LF Mass. Lic. For.	CU Culvert	SE Seed	FR Frozen	LE Ledge
TH Lic. Tim. Har	BR Bridge	MU Mulch	DR Dry	ST Stony
TB Timber Buyer	FO Ford	CO Corduroy	OT Other	MU Mud
LO Landowner	PO Poled	ST Stone		GR Gravel
OT Other	OT Other	HB Hay Bales		OT Other
		OT Other		

Note:  
 Applicant must provide DCR with all relevant information before plan may be approved and cutting may begin. Some forestry activities, such as prescribed burning and pesticide or fertilizer application may require additional permits. Consult MA Forestry BMP Manual for further information.

If Other (OT) is used in any category an explanation must be given on an attached narrative page

Forest Products

### Products to be Harvested\*

Species	Mbf/cds		Mbf/cds
White Pine	20	Red Maple	3
Red Pine	10	Sugar Maple	
Pitch Pine		Red Oak	10
Hemlock	105	Black Oak	
Spruce		White Oak	
Other Softwd.		Other Hdwd.	
White Ash	2	Total Mbf	162
Beech		Cordwood (cnds)	264
White Birch		SW Pulp (Tons)**	464
B & Y Birch	12	HW Pulp (Tons)	
Black Cherry		Chips (Tons)	

\*\*2 tons per cord

\*Note: Volumes and values indicated in the Plan are as reported by the plan preparer and have not been independently verified by the service forester upon approval. Mbf = thousand board feet.

Stand Treatment

### Cutting Standards

Indicate location on map	ST-16			
Forest Type	HH			
Acres	98.0			
Landowner Objective	LT			
Designation of Trees	CT*			
Type of Cut	SE			
Source of Regeneration	**			

\*all cut-trees to be marked prior to harvest; \*\*AD & SE

Note: volumes shown are pre-marking estimates; actual estimated volumes to be provided after marking.

Landowner

### Landowner Signature

The most important information on a cutting plan is the Landowner's objective, as this will determine which trees will be harvested and which will remain; this decision will also determine the future condition of the forest for decades to come. After having read the Massachusetts Forest Cutting Plan Information Sheet on page one, indicate your objective by checking the appropriate box below.

LT - Long-term Forest Management

Planned management of the forest to achieve one or more of the following objectives: produce immediate and maximize long-term income, enhance wildlife habitat, improve recreational opportunities, protect soil and water quality, or produce forest specialty products.

ST - Short-term Harvest

Harvest of trees with the main intention of producing short-term income with minimal consideration given to improving the future forest condition, which often results in a forest dominated by poor quality and low value species.

I (we) have read the Massachusetts Cutting Plan Information Sheet, and am aware of my (our) management options. I (we) hereby certify that I (we) have the legal authority to carry out the operation described above. I (we) certify that I (we) have notified the Conservation Commission in the town in which the operation is to take place and the abutters of record within two hundred feet of the area to be harvested. I (we) understand that the volumes and values (Ch61 only) in this plan have not been independently verified by the service forester upon approval and will report final values and volumes to the Director or his/her agent if the final figures differ from those reported.

*Edward S. Nutty*

*10/5/12*

Signature of landowner(s)

Date

Service Forester

### Determination and Status *068-6071-13*

Approved  Disapproved  Expires *10.16.2014*

*William W. Hunter*

Signature of Service Forester/Director's Agent *11/8/12*

Date

Extension 1  2  Expires *1* Ser. For. Ints. *1*

Amendment App 1  Dis 1  App 2  Dis 2  *1*

### Final Report and Comments

I hereby certify that the afore described Forest Cutting Plan and all relevant statutes have been substantially complied with.

Signature of Service Forester/Director's Agent \_\_\_\_\_ Date \_\_\_\_\_

Codes

Forest Types	Designation of Trees	Type of Cut	Source of Regeneration
WP White Pine	CT Cut Tree	SH Shelterwood	AD Advanced
WK WP/Hem	LT Leave Tree	ST Seed Tree	SE Natural Seed
WH WP/Hdwd	SB Stand Boundary	CC Clear Cut	PL Plant
WO WP/Oak	OT Other	SE Selection	CO Coppice
RP Red Pine	<u>Landowner Objective</u>	SA Salvage	DS Direct Seed
SR Red Spruce	LT Long-term Mgt.	SN Sanitation	OT Other
	ST Short-term Har.		
		Intermediate Harvests:	
		CT Commercial Thin	
		NT Non Com Thin	
		Non-Standard Systems:*	
		HG Highgrade*	
		DL Diameter Limit*	
		OT Other*	

\*If Other (OT) or a non-standard system is used an explanation must be given on attached narrative page pg 4 of 5

# Forest Cutting Plan

Landowner City of Northampton

Narrative Page (Effective Date: 1/1/04)

Town Conway

Use this page to provide further explanation or if Other (OT) was used in any category on pages 3 or 4.

File Number \_\_\_\_\_

BMPs

Use this Section to provide further explanation or if Other (OT) was used in any category in the Best Management Practices Section on Page 3.

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Designation of Trees

Use this Section to describe the types of trees to be harvested and/or retained if Other (OT) was used for "Designation of Trees" in the Stand Treatment Section on page 4.

Stand No.	Species to be Cut	Size of Trees to be Cut	Quality of Trees to be Cut	% BA/Acre Removed
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16	HK, WP BB, RM, OR and other hdwds	4" - 25"	generally poorer than trees to keep	25%

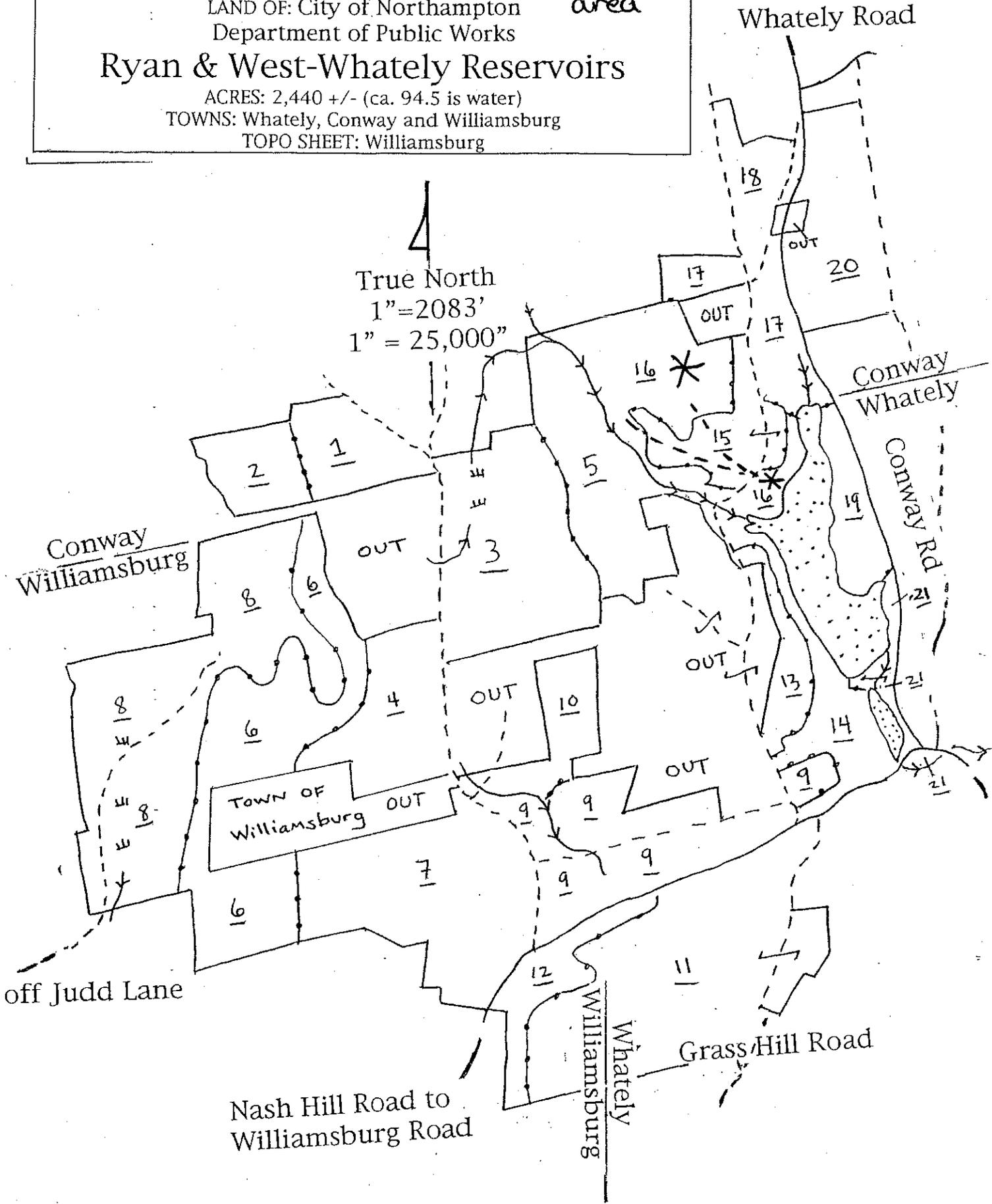
Regeneration & Future Condition

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Stand No.	Desired Future Condition
	Describe what the stand is expected to look like five years from the harvest, including the condition of the overstory & understory

**STAND LOCATOR MAP** \* cut area  
 LAND OF: City of Northampton  
 Department of Public Works  
**Ryan & West-Whately Reservoirs**  
 ACRES: 2,440 +/- (ca. 94.5 is water)  
 TOWNS: Whately, Conway and Williamsburg  
 TOPO SHEET: Williamsburg

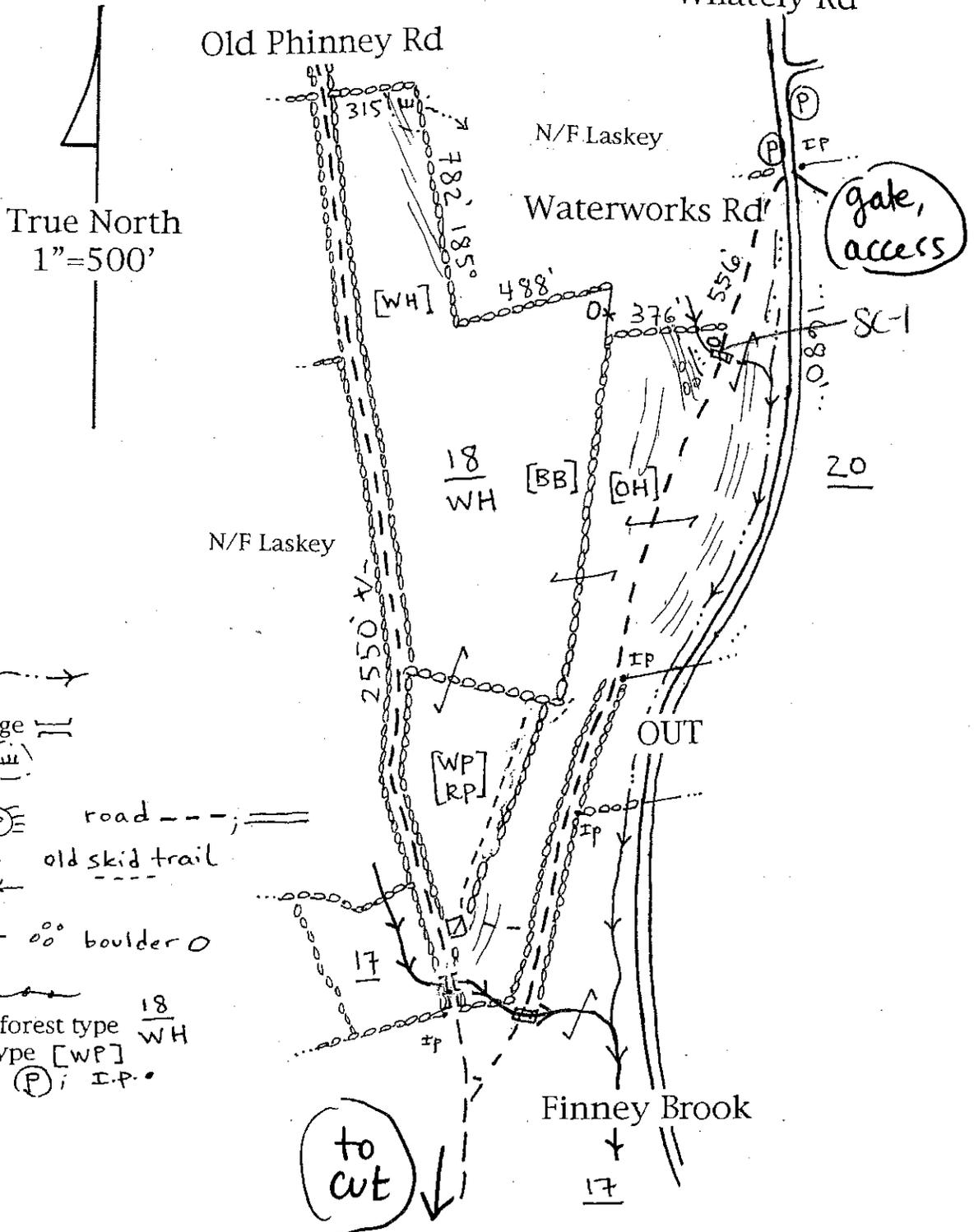


Forest Stand and Boundary Map  
 City of Northampton, DPW  
 Ryan & West-Whately Reservoirs  
 Conay, MA

Map by Michael Mauri, L.F.  
 20 West St. S. Dfld., MA 01373  
 (413) 665-6829 based on tax maps  
 old DPW maps (where applicable)  
 GIS-based map and fieldwork;  
 All metes and bounds by GPS/GIS

Waterworks Road Northwest  
 Stand 18 — 50.9 acres

Map ①  
 gate + bottom of  
 truck road  
 Whately Rd



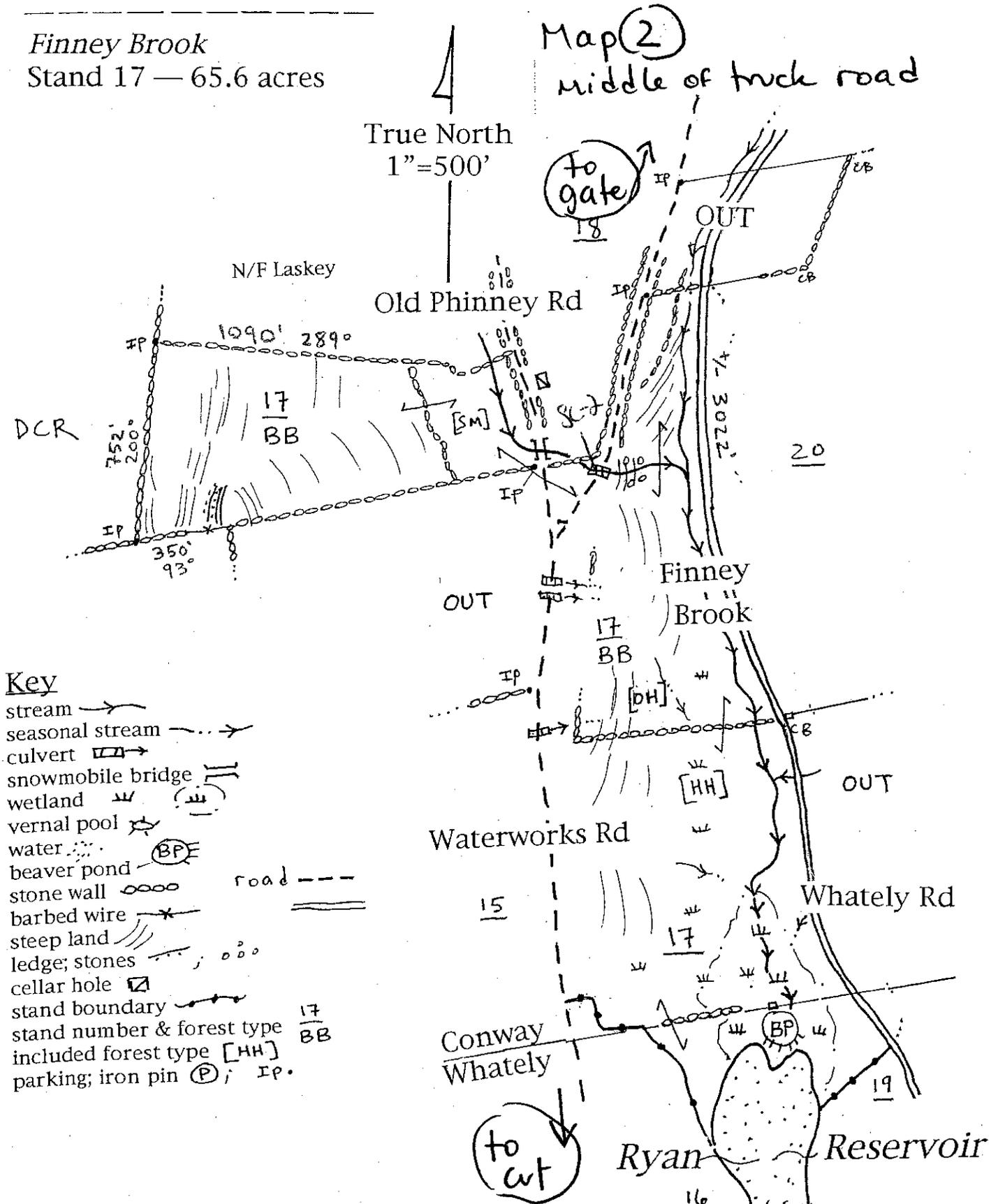
Key

- stream →
- seasonal stream - - - →
- culvert [hatched box]
- snowmobile bridge [double line]
- wetland [wavy line]
- vernal pool [sun symbol]
- water [dotted line]
- beaver pond (BP) [circle with BP]
- stone wall [wavy line]
- barbed wire [crossed line]
- steep land [diagonal lines]
- ledge; stones [dotted line]
- cellar hole [square]
- stand boundary [dashed line]
- stand number & forest type  $\frac{18}{WH}$
- included forest type [WP]
- parking; iron pin (P); I.P.
- road - - - [dashed line]
- old skid trail [dotted line]
- boulder O

Forest Stand and Boundary Map  
 City of Northampton, DPW  
 Ryan & West-Whately Reservoirs  
 Conway & Whately, MA

Map by Michael Mauri, L.F.  
 20 West St. S. Dfld., MA 01373  
 (413) 665-6829 based on tax maps  
 old DPW maps (where applicable)  
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 All metes and bounds by GPS/GIS

Finney Brook  
 Stand 17 — 65.6 acres



Forest Stand and Boundary Map  
 City of Northampton, DPW  
 Ryan & West-Whately Reservoirs  
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 All metes and bounds by GPS/GIS

Ryan North Red Pine Plantation  
 Stand 15 — 65.2 acres  
 &  
 Ryan-North Oak-Hemlock  
 Stand 16 — 130.3 acres

True North  
 1"=500'

Note: skid trails  
 cross ST-15, with  
 incidental marking  
 for trails.

Map (3) landing +  
 cut area



LOCUS MAP → \* cut area

LAND OF: City of Northampton  
Department of Public Works

# Ryan & West-Whately Reservoirs

ACRES: 2,440 +/- (ca. 94.5 is water)

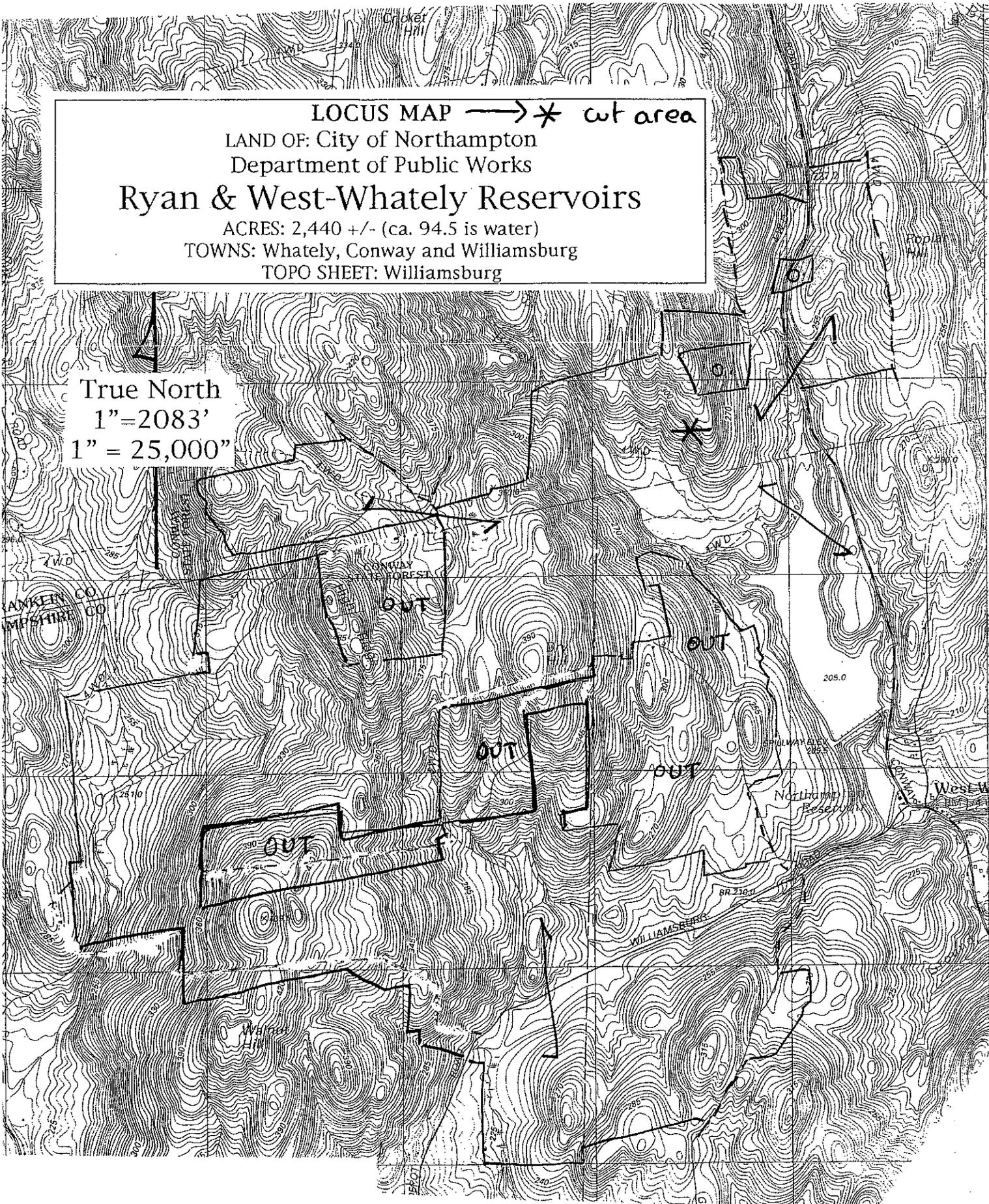
TOWNS: Whately, Conway and Williamsburg

TOPO SHEET: Williamsburg

True North

1" = 2083'

1" = 25,000"

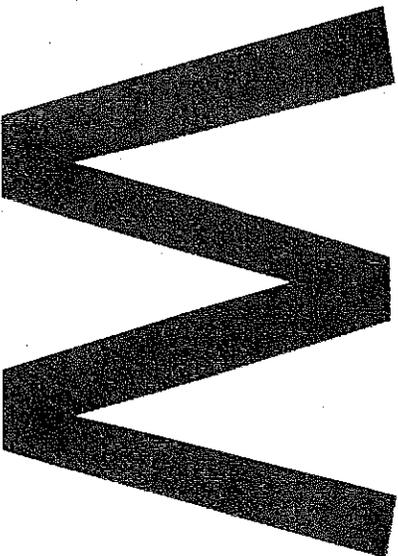




dcr COMMONWEALTH OF MASSACHUSETTS  
Department of Conservation and Recreation  
Division of State Parks and Recreation

FILE # 068-6071.13

# FOREST CUTTING PLAN CERTIFICATE



Post this in a conspicuous place within the area in which the harvesting operation is to take place.

This certifies that City of Northampton Nicole Sanford Forest St. Northampton in accordance with the  
(Name of Owner) (Address)

provision of M.G.L. Chapter 132, Section 40-46, filed in the Forester Office with the Dept. of Conservation  
and Recreation, Division of State Parks and Recreation, a Notice of Intent to cut forest products upon the

Watnourts Rd. off Conway Rd., Conway

Approval Date 11.8.2012

Director's Agent Alison Wright-Burton

DCR Phone No. (413) 545-5751

(413) 545-5752

ISSUED BY:

Priscilla E. Geigis, Director  
Division of State Parks and Recreation

AWH

# Forest Cutting Plan

and Notice of Intent under M.G.L. Chapter 132 – The Forest Cutting Practices Act, 304 CMR 11.00 (Effective Date: 1/1/04)

### For DCR Use Only:

File Number	<u>069-6073-13</u>	Case No.	_____
Date Rec'd	<u>10-15-12</u>	Nat. Hert.	<u>yes</u> /
Earliest Start	<u>10-30-12</u>	Nat. Hert. Imp.	<u>no</u>
River Basin	<u>Conn</u>	Pub. Dr. Wat.	<u>yes</u>
Gen. Obj.	<u>KT</u>	ACEC	<u>no</u>

Site Information

## Location

"Waterworks Rd. Northwest" (R & W-W Stand 18)

Town: Conway  
 Road: Waterworks and Old Phinney Roads  
 Acres: 41.0 Proposed Start: 11/1/2012  
 Vol. Mbf Vol. Cds. Vol tons  
 57 195 108

## Plan Preparer

Name: Michael Mauri  
 Address: 20 West Street  
 Town, State, Zip: South Deerfield, MA, 01373  
 Phone: (413) 665-6829  
 Type of Preparer: Licensed Forester  
 \*Mass Forester License # 161  
 \*Required for land under CH 61, CH 61A, or Forest Stewardship

## Landowner

Name: City of Northampton DPW  
 Attention: Nicole Sanford, Sr. Env. Scientist  
 Mailing Address: 125 Locust Street  
 Town, State, Zip: Northampton, MA 01060  
 Phone: (413) 587-1376

Ch61  61A  61B  Stew  \*Case # \_\_\_\_\_  
 FSC GC  CR  CR Holder \_\_\_\_\_

## Licensed Timber Harvester\*\*

Name \_\_\_\_\_  
 Address \_\_\_\_\_  
 Town, State, Zip \_\_\_\_\_  
 Phone \_\_\_\_\_  
 Mass. Lic. Harvester # \_\_\_\_\_

\*\*This information may be supplied after the plan is approved, but before work begins.

Best Management Practices

## Stream Crossings

Indicate location on map	SC-1	SC-2	SC-3	SC-4
Type of Crossing	<u>cul</u>			
Existing Structure	<u>Y</u>			
Type of Bottom	<u>ST</u>			
Bank Height (ft)	<u>&lt;1</u>			
Stabilization	<u>SE/ST</u>			

## Wetland Crossings NO

Indicate location on map	WC-1	WC-2	WC-3	WC-4
Length of Crossing				
Mitigation				
Stabilization				

## Filter Strips

Indicate location on map	FS-1	FS-2	FS-3	FS-4
Width (50', 100', or VA)	<u>50'</u>			

## Harvesting in Wetlands NO

Indicate location on map	HW-1	HW-2	HW-3	HW-4
Forest Type (see pg 2)				
Acres to be Harvested				
Resid. Basal Area (>50%?)				

## Service Forester Comments

\* Please see Natural Heritage letter attached to this FCP

Codes

Type of Preparer	Type of Crossing	Stabilization	Mitigation	Type of Bottom
LF Mass. Lic. For.	CU Culvert	SE Seed	FR Frozen	LE Ledge
TH Lic. Tim. Har	BR Bridge	MU Mulch	DR Dry	ST Stony
TB Timber Buyer	FO Ford	CO Corduroy	OT Other	MU Mud
LO Landowner	PO Poled	ST Stone		GR Gravel
OT Other	OT Other	HB Hay Bales		OT Other
		OT Other		

Note: Applicant must provide DCR with all relevant information before plan may be approved and cutting may begin. Some forestry activities, such as prescribed burning and pesticide or fertilizer application may require additional permits. Consult MA Forestry BMP Manual for further information.

If Other (OT) is used in any category an explanation must be given on an attached narrative page

Forest Products

### Products to be Harvested\*

Species	Mbf/cds		Mbf/cds
White Pine	28	Red Maple	4
Red Pine	10	Sugar Maple	
Pitch Pine		Red Oak	4
Hemlock	1	Black Oak	
Spruce		White Oak	
Other Softwd.		Other Hdwd.	
White Ash		Total Mbf	57
Beech		Cordwood (cds)	195
White Birch		SW Pulp (Tons**)	108
B & Y Birch	10	HW Pulp (Tons)	
Black Cherry		Chips (Tons)	

\*Note: Volumes and values indicated in the Plan are as reported by the plan preparer and have not been independently verified by the service forester upon approval. Mbf = thousand board feet.

Stand Treatment

### Cutting Standards

Indicate location on map	ST-18			
Forest Type	WH			
Acres	41.0			
Landowner Objective	LT			
Designation of Trees	CT*			
Type of Cut	SE			
Source of Regeneration	**			

\*all cut-trees to be marked prior to harvest; \*\*AD & SE

\*\*2 tons per cord

Note: volumes shown are pre-marking estimates; actual estimated volumes to be provided after marking.

### Landowner Signature

The most important information on a cutting plan is the Landowner's objective, as this will determine which trees will be harvested and which will remain; this decision will also determine the future condition of the forest for decades to come. After having read the Massachusetts Forest Cutting Plan Information Sheet on page one, indicate your objective by checking the appropriate box below.

LT - Long-term Forest Management

Planned management of the forest to achieve one or more of the following objectives: produce immediate and maximize long-term income, enhance wildlife habitat, improve recreational opportunities, protect soil and water quality, or produce forest specialty products.

ST - Short-term Harvest

Harvest of trees with the main intention of producing short-term income with minimal consideration given to improving the future forest condition, which often results in a forest dominated by poor quality and low value species.

I (we) have read the Massachusetts Cutting Plan Information Sheet, and am aware of my (our) management options.  
I (we) hereby certify that I (we) have the legal authority to carry out the operation described above.  
I (we) certify that I (we) have notified the Conservation Commission in the town in which the operation is to take place and the abutters of record within two hundred feet of the area to be harvested.  
I (we) understand that the volumes and values (Ch61 only) in this plan have not been independently verified by the service forester upon approval and will report final values and volumes to the Director or his/her agent if the final figures differ from those reported.

*Michael S. Quitty*

Signature of landowner(s)

Date

10/5/12

Landowner

### Determination and Status

068-6073-13

	Approved	Disapproved	Expires	
Cutting Plan	<input checked="" type="checkbox"/>	<input type="checkbox"/>	10-16-2014	
	<i>Michael W. Hunder</i>		11/8/12	
	Signature of Service Forester/Director's Agent		Date	
Extension	<input type="checkbox"/>	<input type="checkbox"/>	Expires	Ser. For. Ints.
Amendment	App 1 <input type="checkbox"/>	Dis 1 <input type="checkbox"/>	App 2 <input type="checkbox"/>	Dis 2 <input type="checkbox"/>

### Final Report and Comments

I hereby certify that the afore described Forest Cutting Plan and all relevant statutes have been substantially complied with.

Signature of Service Forester/Director's Agent

Date

Service Forester

Codes

Forest Types	Designation of Trees	Type of Cut	Source of Regeneration
WP White Pine	CT Cut Tree	SH Shelterwood	AD Advanced
WK WP/Hem	LT Leave Tree	ST Seed Tree	CT Commercial Thin
WH WP/Hdwd	SB Stand Boundary	CC Clear Cut	NT Non Com Thin
WO WP/Oak	OT Other	SE Selection	PL Plant
RP Red Pine	Landowner Objective	SA Salvage	CO Coppice
SR Red Spruce	LT Long-term Mgt.	SN Sanitation	HG Highgrade*
	ST Short-term Har.	DL Diameter Limit*	DS Direct Seed
		OT Other*	OT Other

\*If Other (OT) or a non-standard system is used an explanation must be given on attached narrative page

# Forest Cutting Plan

Landowner City of Northampton

Narrative Page (Effective Date: 1/1/04)

Town Conway

Use this page to provide further explanation or if Other (OT) was used in any category on pages 3 or 4.

File Number \_\_\_\_\_

BMPs

Use this Section to provide further explanation or if Other (OT) was used in any category in the Best Management Practices Section on Page 3.

- Marking Codes: horizontal stripe: tallied as timber; diagonal stripe: tallied as wood or pulp; double horizontal or double diagonal stripe: timber, wood or pulp tree is near property boundary; dot: small tree that was not tallied but must be cut, utilization optional; "X": tree to be cut and left whole on the ground and not utilized; "E": end of marked area, do not go beyond this point with equipment;
- "LV": leave tree top whole, do not utilize.

Designation of Trees

Use this Section to describe the types of trees to be harvested and/or retained if Other (OT) was used for "Designation of Trees" in the Stand Treatment Section on page 4.

Stand No.	Species to be Cut	Size of Trees to be Cut	Quality of Trees to be Cut	% BA/AC removed
18	RP, WP BB, RM, OR and other hdwds	4" - 25"	generally poorer than trees to keep	35%

Regeneration & Future Condition

Use this Section to describe how Chapter 132 requirements will be met if a non standard system (HG, DL, or OT) was used for the "Type of Cut" in the Cutting Standards Section on page 4.

Stand No.	Source of Regeneration (ex. AD, SE)	How will Regeneration be obtained/protected? If using AD - Describe the species present and how the regeneration will be protected If using SE - Describe the source of the seed and the number of seed trees/acre

Stand No.	Desired Future Condition Describe what the stand is expected to look like five years from the harvest, including the condition of the overstory & understory









# Division of Fisheries & Wildlife

Wayne F. MacCallum, *Director*

Alison S. Wright  
Department of Conservation and Recreation  
40 Cold Storage Drive  
P.O. Box 484  
Amherst, MA 01004

Cutting Plan No.	068-6073-13
NHESP Tracking No.	12-30639a
Town	Conway
Road	Waterworks & Old Phinney roads
Landowner	City of Northampton DPW
Preparer	Michael Mauri
Date	October 25, 2012

Dear Alison,

The Natural Heritage and Endangered Species Program (NHESP) has reviewed the above-referenced Forest Cutting Plan (hereinafter "the Plan") pursuant to the special approval procedures of the Forest Cutting Practices Regulations (304 CMR 11.04(6)). Based on details of the Plan and information in the NHESP database, the NHESP does not expect activities proposed in the Plan to result in "Take" (as defined in 321 CMR 10.02) of plant or animal species protected under the Massachusetts Endangered Species Act (MESA) (M.G.L. c. 131A) and its implementing regulations (321 CMR 10.00). Therefore, the NHESP does not require that the Plan be modified at this time.

Please note that the determination stated above is based, in part, on the fact that the Plan indicates that ledges and steep slopes in the northeastern corners of the harvest area (total of 4 areas marked in the "Forest Stand and Boundary Map" of the Plan) will be excluded from the harvest. Should there be a desire in the future to harvest one or more of those excluded areas, the determination stated above may be reconsidered.

In addition, please note that rare species protections can be maximized by avoiding work near the northeastern margin of the harvest area. Hence, if the landowner wishes to voluntarily implement extra-protective measures, the NHESP recommends minimizing the amount of overstory-tree removal and off-road operation of motorized vehicles within 100 m (330 ft) of the drainage located below the innermost 2 of the 4 aforementioned excluded areas (i.e., the stream that flows in a southeasterly direction and crosses through a culvert under Waterworks Road, approximately 500 ft down the road from its junction with Whately Road).

Please copy the NHESP on any proposed amendments to the Plan and on the approved plan for the site. If you have any questions about this letter, please contact Jacob Kubel at (508) 389-6373.

Sincerely,

Thomas W. French, Ph.D.  
Assistant Director

Cc: Conway Conservation Commission



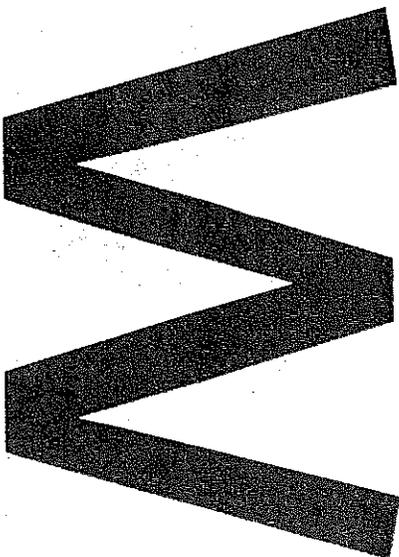


dcR

COMMONWEALTH OF MASSACHUSETTS  
Department of Conservation and Recreation  
Division of State Parks and Recreation

FILE # 068.6013.13

# FOREST CUTTING PLAN CERTIFICATE



Post this in a conspicuous place within the area in which the harvesting operation is to take place.

This certifies that The City of Northampton Nicole Sanford Forest St. Northampton in accordance with the  
(Name of Owner)

provision of M.G.L. Chapter 132, Section 40-46, filed in the Forestry Office with the Dept. of Conservation  
(Address)

and Recreation, Division of State Parks and Recreation, a Notice of Intent to cut forest products upon the

Old Primary Rd. just Westwards Rd. "Westwards Ed. Northwest", Conway

Approval Date 11.8.2012

ISSUED BY:

Director's Agent Alison Wright - Hunter

DCR Phone No. (413) 545-5751

Priscilla E. Gelgis, Director  
Division of State Parks and Recreation

(413) 545-5752