10-006

(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	214.7494.15	Case No.	
Date Rec'd	2.17.2015	Nat. Hert.	NO /
Earliest Start	3.4.15	Nat. Hert. Imp.	
River Basin	CT	Pub. Dr. Wat.	
Gen. Obj.	LT	ACEC	

5.15.15 AMENDMENT #1 ADD ST-25

Site Information

Location

"Lower Reservoir" (RM Stand 23)

Town: Northampton

Road: off Reservoir Road

~~Acres:~~ ~~3.5~~ 5 Proposed Start: 3/15/2015

Vol. Mbf	Vol. Cds.	Vol tons
~~20.78~~ 25 +/-	0	~~126~~ 145 +/-

Plan Preparer

Name: Michael Maure

Address: 20 West Street

South Deerfield MA. 01373

Town, State, Zip:

Phone: 413-665-6829

Type of Preparer: LF

*Mass. Forester License #: 161

*Required for land under Ch61, Ch61A 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	BR			
Existing Structure	N*			
Type of Bottom	ST			
Bank Height (ft)	1.0			
Stabilization	CO			

*existing Ford

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)	50	VA	100	~~VA~~ 50

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

Filter Strip requirements waived to prevent future hazardous conditions and reduce potential for soil erosion. Ground conditions must be stable to support equipment used.

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	0.00	Red Maple	
Red Pine	20.78	Sugar Maple	
Pitch Pine		Red Oak	
Hemlock	0.00	Black Oak	
Spruce		White Oak	
Other Softwd.		Other Hdwd.	
White Ash		Total Mbf	20.78
Beech		Cordwood (cds)	0
White Birch		SW Pulp (Tons**)	126
B & Y Birch		HW Pulp (Tons)	
Black Cherry		Chips (Tons)	

**2 tons per cord; includes pulp from tops

*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-23	25		
Forest Type	RP	RP		
Acres	3.5	1.5		
Landowner Objective	LT	LT		
Designation of Trees	CT	CT		
Type of Cut	SA	SA		
Source of Regeneration	AD/SE	OT		

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.

Signature of landowner(s) — Date 2/12/15

Service Forester

Determination and Status 214.7494.15

	Approved	Disapproved	Expires
Cutting Plan	☒	☐	2.17.2015

Signature of Service Forester/Director's Agent — Date 3/11/2015

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

	App 1	Dis 1	App 2	Dis 2	
Amendment	☐	☐	☐	☐	/

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
WP White Pine; WK WP/Hem; WH WP/Hdwd; WO WP/Oak; RP Red Pine; SR Red Spruce; HK Hemlock; HH Hem/Hdwd; BC Blck Cherry; BB Bee/Bir/Map; OH Oak/Hdwd; OR N Red Oak; OM Mixed Oak; RM Red Maple; BE Beech; SF Spruce/Fir; SM Sugar Maple; PP Pitch Pine

Designation of Trees
CT Cut Tree; LT Leave Tree; SB Stand Boundary; OT Other

Landowner Objective
LT Long-term Mgt.; ST Short-term Har.

Type of Cut
SH Shelterwood; ST Seed Tree; CC Clear Cut; SE Selection; SA Salvage; SN Sanitation

Intermediate Harvests:
CT Commercial Thin.; NT Non Com Thin

Non-Standard Systems:*
HG Highgrade*; DL Diameter Limit*; OT Other*

Source of Regeneration
AD Advanced; SE Natural Seed; PL Plant; CO Coppice; DS Direct Seed; 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 Northampton
File Number

BMPs

on Page 3.

Red pine scale threatens to cause significant mortality in this stand. This harvest in this planted area of red pine is designed to accomplish the following: reduce and limit the risk and unsightliness of red pines expected to soon die along near the Lower and Middle Reservoirs while protecting soil and water quality features and salvaging some of the timber value. The logging system we expect to use will lay down topwood on slopes to reduce ground pressure and stabilize soil.

Access is across Roberts Meadow Brook. However, if three abutters give permission, this stand can be accessed directly off Audubon Road (with a landing near the water tower), eliminating the need for the stream crossing. We are in discussion to obtain abutter permission and will amend this plan and provide necessary abutter signatures if this option becomes available.

Designation of Trees

ees"

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.

e Removed

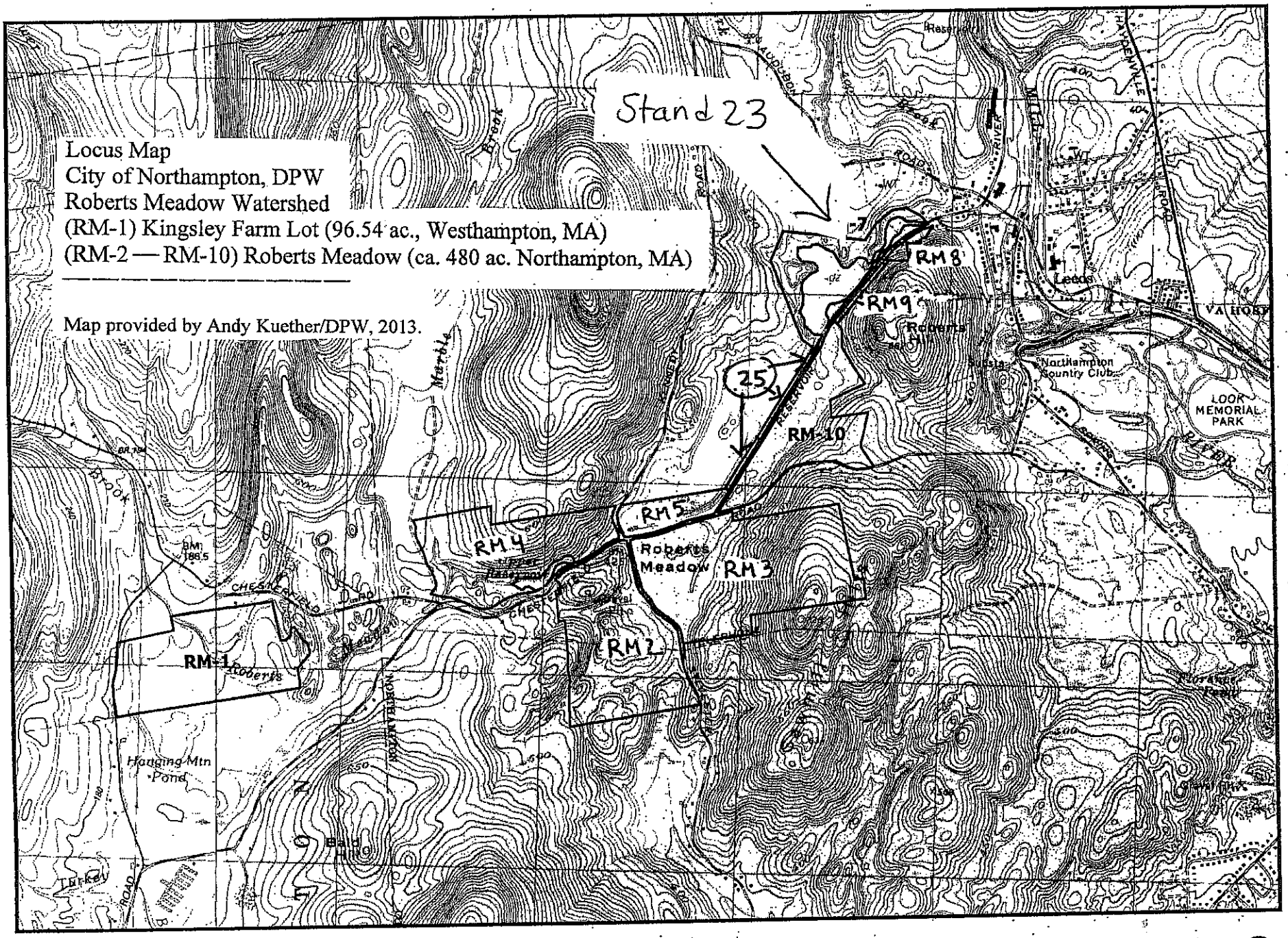
Note: the Lower Reservoir is not a public drinking water supply

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
Note: Stand		25 (OT) These are scattered, poorly-formed (open-grown) red pines in a long roadside strip abutting Roberts Meadow Brook. There is also white pine (which will not be cut). The strip includes a long mowed area along the road (Reservoir Rd) and a brushy area immediately adjacent to the brook in all areas except where the white pine is dense.

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
	The purpose is to salvage (pre-mortality) the red pine so that it does not become an eyesore or safety hazard. Ongoing maintenance of this area will continue (i.e. mowing). This cutting of red pine is not expected to cause an increase in invasive plants because the red pine is not casting much shade now. We request the same filter strip waiver as for Stand 23. The land is flat; there is no risk of erosion.



Northampton Public Works

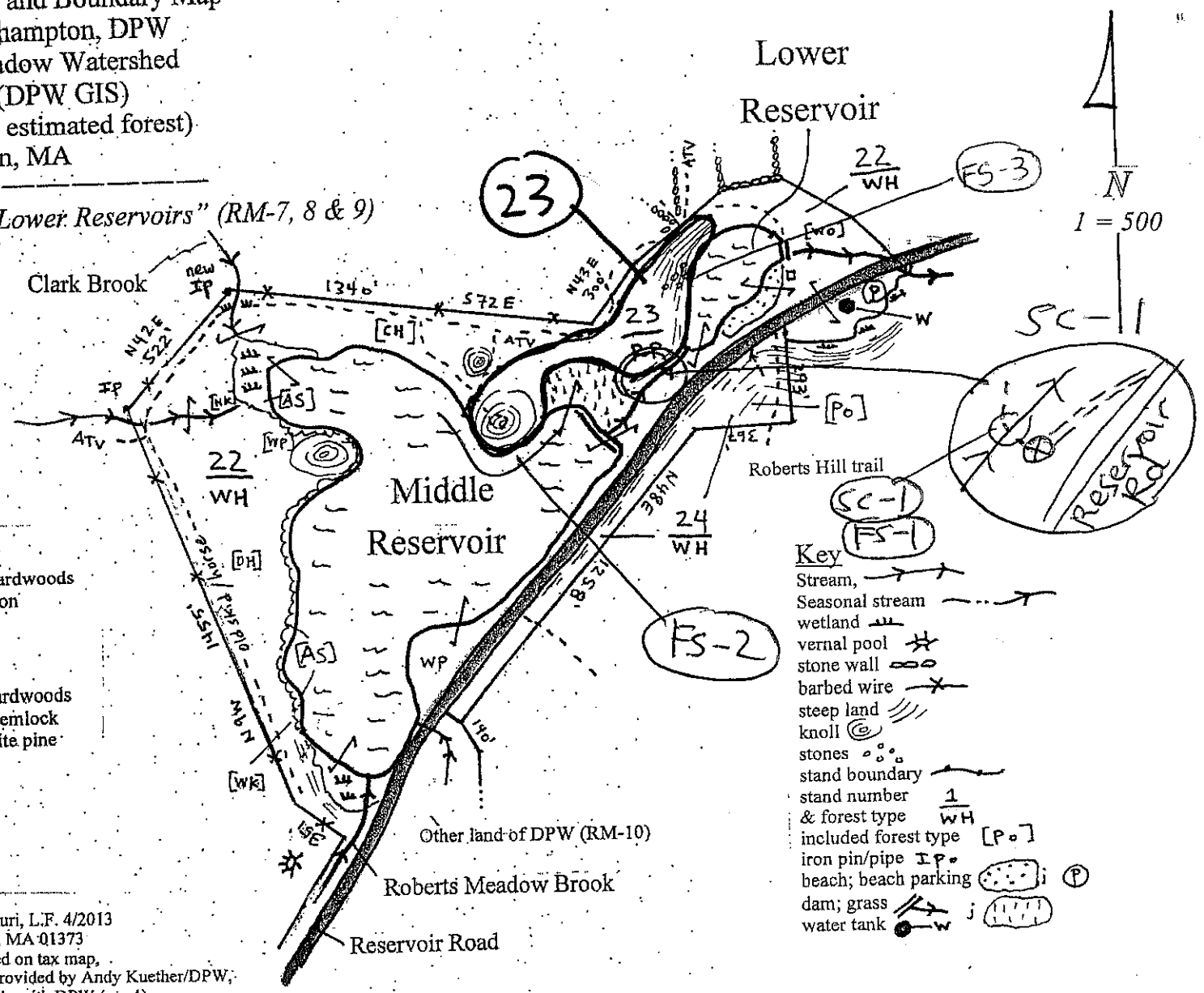
2013-04-01 AK

Forest Stewardship Plan

1:25K USGS Locus Map

Forest Stand and Boundary Map
City of Northampton, DPW
Roberts Meadow Watershed
60.99 acres (DPW GIS)
(25.49 acres estimated forest)
Northampton, MA

"Middle & Lower Reservoirs" (RM-7, 8 & 9)



Main Type Key

WH – white pine & hardwoods
RP – red pine plantation

Included Types

CH – black cherry
WO – white oak & hardwoods
WK – white pine & hemlock
WP – nearly pure white pine
AS – alder swamp
PO – poplar and oaks

Key

Stream,
Seasonal stream
wetland
vernal pool
stone wall
barbed wire
steep land
knoll
stones
stand boundary
stand number & forest type 1 / WH
included forest type [PO]
iron pin/pipe IP
beach; beach parking
dam; grass
water tank

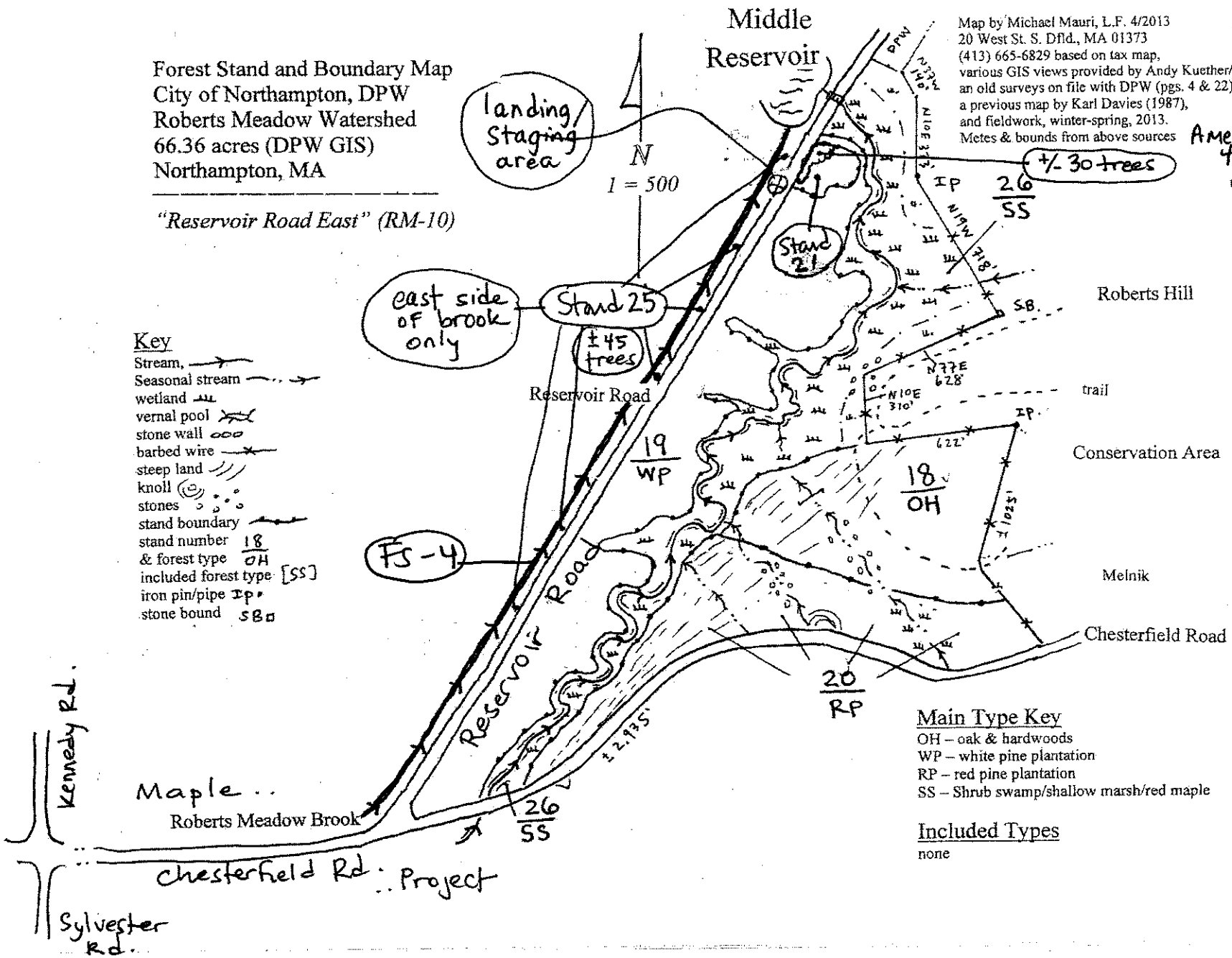
Map by Michael Mauri, L.F. 4/2013
20 West St. S. Dfld., MA 01373
(413) 665-6829 based on tax map,
various GIS views provided by Andy Kuether/DPW,
an 1898 survey on file with DPW (pg. 4),
a previous map by Karl Davies (1987),
and fieldwork, winter-spring, 2013.
Metes & bounds from above sources

Forest Stand and Boundary Map
City of Northampton, DPW
Roberts Meadow Watershed
66.36 acres (DPW GIS)
Northampton, MA

"Reservoir Road East" (RM-10)

Map by Michael Mauri, L.F. 4/2013
20 West St. S. Dfld., MA 01373
(413) 665-6829 based on tax map,
various GIS views provided by Andy Kuether/DPW,
an old surveys on file with DPW (pgs. 4 & 22),
a previous map by Karl Davies (1987),
and fieldwork, winter-spring, 2013.
Metes & bounds from above sources

Amended 4.29.15 M.M.



Key

- Stream
- Seasonal stream
- wetland
- vernal pool
- stone wall
- barbed wire
- steep land
- knoll
- stones
- stand boundary
- stand number & forest type 18/OH
- included forest type [SS]
- iron pin/pipe IP
- stone bound SB

Main Type Key

OH – oak & hardwoods
WP – white pine plantation
RP – red pine plantation
SS – Shrub swamp/shallow marsh/red maple

Included Types

none