

08-24-2020

City Council Special Meeting Supplemental Packet

Jenny Moore

From: Ron Moorse
Sent: Friday, August 21, 2020 2:49 PM
To: Jenny Moore
Subject: FW: Morri Lake Edith property Reforestation Specs
Attachments: Morri Reforestation Specs 8-21-20.docx

Jenny,

Please create a link for a supplemental packet for the August 24 Special Council meeting that includes the email below and the attached Morri Reforestation Specs memo.

Thanks,

Ron

From: Ron Moorse
Sent: Friday, August 21, 2020 2:46 PM
To: Bill mayor <mayor@ci.afton.mn.us>; Anne Perkins <ward1@ci.afton.mn.us>; Ward 2 Council Member ward2 <ward2@ci.afton.mn.us>; ward 3 <ward3@ci.afton.mn.us>; Randy ward4 <ward4@ci.afton.mn.us>; Frederic Knaak <Fknaak@klaw.us>
Subject: Morri Lake Edith property Reforestation Specs

I am forwarding the reforestation specifications from Jay Riggs for the Morri property on Lake Edith. These specifications are based on the stump inventory that Jay performed and the City's Tree Preservation and Reforestation ordinance, to which Jay refers in his memo. The City ordinance requires tree replacement of one inch diameter of new trees for each one inch diameter of lost trees, except if the loss is unplanned, in which case the replacement is two inches of new trees for each one inch of tree loss. Using the two-for-one requirement, the property owner would need to plant 311 diameter inches of trees. The number of new trees would depend on the diameters of the new trees, with the minimum new tree diameter being 2 inches. Jay has suggested that the City provide his memo to the property owner, along with any specific directions from the Council, and direct the property owner to prepare a tree replacement plan that reflects the specifications in Jay's memo and the Council's detailed direction. The Council's direction can include the Council's requirement for coniferous trees at the top of the bluff as an effort to replace the screening of the house that was lost, and the requirement for the two-for-one replacement.

Ron



MEMORANDUM

TO: Ron Moore, City of Afton
FROM: Jay Riggs, WCD Manager
DATE: August 21, 2020

RE: MORRI SHORELINE STUMP SURVEY AND REFORESTATION SPECIFICATIONS

As requested by the City of Afton, the WCD prepared the following survey and reforestation specifications summaries.

Morri Stump Survey

Number of Stumps	22	Two of which were twin stumps and were counted as one tree; Buckthorn not inventoried
Species Removed	Green Ash, Basswood (Linden), Ironwood, and a number of unknown species	
Total Diameter of Stumps	174"	All stumps measured at ground level.
Estimated Total Diameter Breast High	155.6"	The following reference was used to convert Diameter of Stump (Ds) to Diameter Breast High (DBH) per reference in City Code: <i>Technical Note 507, 1957, St. Paul, MN, U.S. Department of Agriculture, Forest Service.</i>
Disturbed Area	0.58 acres	

MDNR Reforestation Specifications

MDNR Planting Guidelines	~8x8 spacing.
MDNR Wildlife Habitat Planting Recommendation	Usually fewer trees per acre than for timber production and create gaps with no seedlings, mixed species recommended. Find a balance of distances.
Source: https://www.dnr.state.mn.us/forestry/nursery/layout.html	

City of Afton Reforestation Requirements

Replacement Trees must be at least two (2) caliper inches as defined by the American Standard for nursery stock (ANS 1-2-60) current edition for deciduous trees and at least six (6) feet high for coniferous trees. Replacement trees shall be of the following genus: maple, honey locust, oak, ash, basswood, birch, fir, spruce, pine and other trees native to Minnesota, or the City.

Sec. 10-122. Replacement Guidelines.

Significant tree loss occurring beyond the indicated tree preservation plan as submitted during the Subdivision or Planned Unit Development process shall require tree replacement at a rate of one (1) inch for every inch of tree lost. If during construction, a tree is lost (unplanned), as described in the definition section, the replacement rate increases to two (2) inches for every inch of tree lost.

See also *Sec. 10-123. Reforestation Guidelines.*

Supervisors: Tim Behrends ◻ Bob Rosenquist ◻ Diane Blake ◻ John Rheinberger ◻ Jim Levitt