

Riparian Buffer
Soft Rush, Hardstem Rush,
Path Rush, Blue Flag Iris

Shoreline
3 SQ. Bulrush
Blue Flag Iris
Arrowhead, etc...

Rip rap reinforced outlet

Rip rap check dams

Rip rap reinforced inlet

Gravel pedestrian path

Split rail fence

Upland Border Planting

Black-Eyed Susan	<i>Rudbeckia hirta</i>
Blue False Indigo	<i>Baptista australis</i>
Cardinal Flower	<i>Lobelia cardinalis</i>
Joe Pye Weed	<i>Eupatorium purpureum</i>
Wild Geranium	<i>Geranium maculatum</i>
Arrowwood Viburnum	<i>Viburnum dentatum</i>
Black Chokeberry	<i>Aronia melanocarpa</i>
Dwarf Bush Honeysuckle	<i>Diervilla lonicera</i>
Red Dogwood	<i>Cornus sericea</i>

Transitional Planting

Switch Grass	<i>Panicum virgatum</i>
Fringed Brome	<i>Bromus ciliatus</i>
Tussock Sedge	<i>Carex stricta</i>
Awl Fruit Sedge	<i>Carex stipata</i>
Fox Sedge	<i>Carex vulpinoidea</i>
Great Blue Lobelia	<i>Lobelia siphilitica</i>
Cardinal Flower	<i>Lobelia cardinalis</i>
Joe Pye Weed	<i>Eupatorium purpureum</i>
Large-Leaf Aster	<i>Aster macrophyllus</i>
Alum Root	<i>Heuchera richardsonii</i>

Wet Meadow Planting

Soft Rush	<i>Juncus effusus</i>
Path Rush	<i>Juncus tenuis</i>
Tussock Sedge	<i>Carex stricta</i>
Awl Fruit Sedge	<i>Carex stipata</i>
Great Blue Lobelia	<i>Lobelia siphilitica</i>
Turtlehead	<i>Chelone glabra</i>
Cardinal Flower	<i>Lobelia cardinalis</i>
Joe Pye Weed	<i>Eupatorium purpureum</i>

PRIVATE DRIVEWAY

20 ft

113 ft

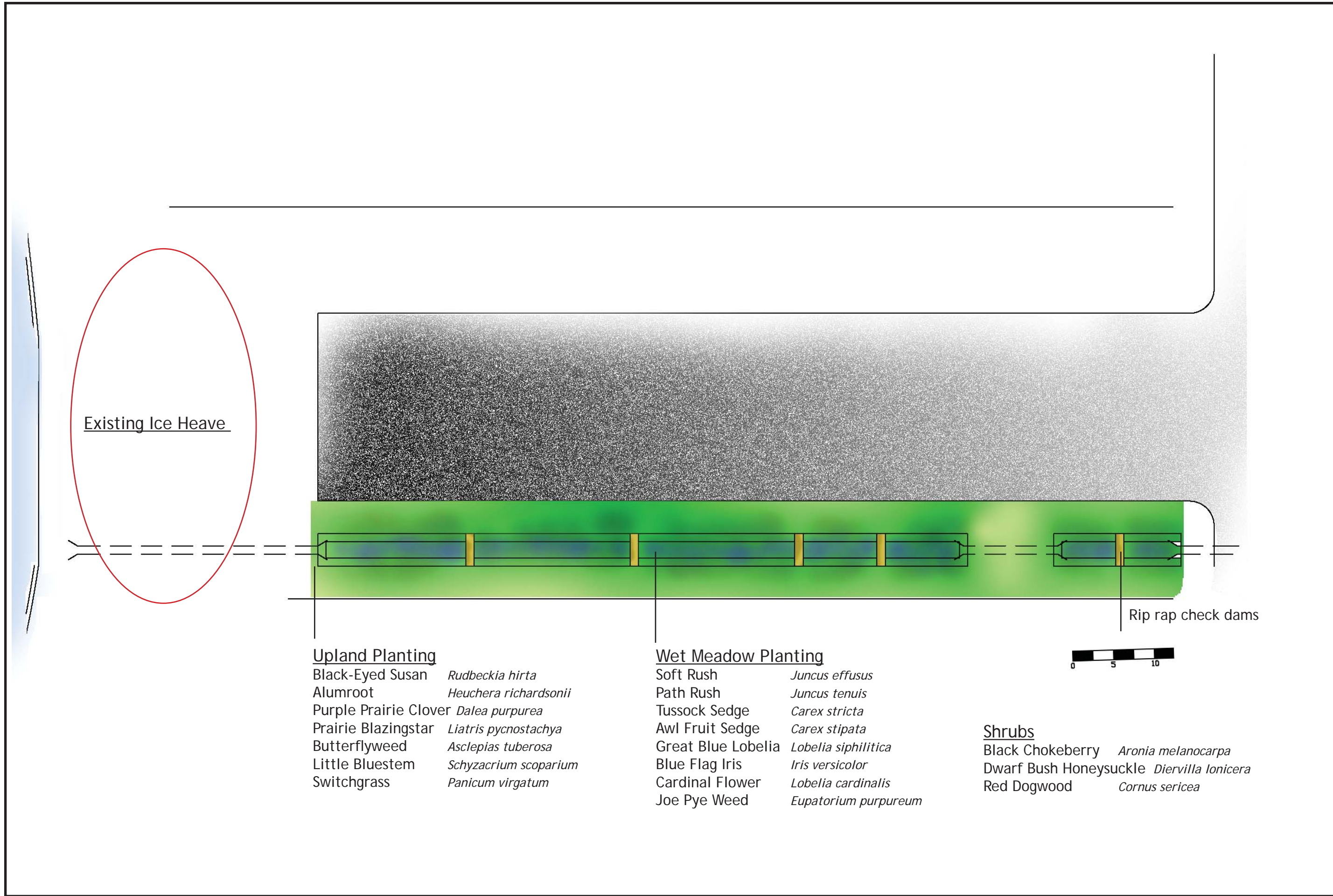
4th Street SE
Existing gravel road

Date: July 2009

Project Manager: Todd Rexine
Drawn by: Michelle Burness



Lakeshore Buffer Planting
4th Street SE
Forest Lake, MN



Existing Ice Heave

Upland Planting

- Black-Eyed Susan *Rudbeckia hirta*
- Alumroot *Heuchera richardsonii*
- Purple Prairie Clover *Dalea purpurea*
- Prairie Blazingstar *Liatris pycnostachya*
- Butterflyweed *Asclepias tuberosa*
- Little Bluestem *Schyzacrium scoparium*
- Switchgrass *Panicum virgatum*

Wet Meadow Planting

- Soft Rush *Juncus effusus*
- Path Rush *Juncus tenuis*
- Tussock Sedge *Carex stricta*
- Awl Fruit Sedge *Carex stipata*
- Great Blue Lobelia *Lobelia siphilitica*
- Blue Flag Iris *Iris versicolor*
- Cardinal Flower *Lobelia cardinalis*
- Joe Pye Weed *Eupatorium purpureum*

Shrubs

- Black Chokeberry *Aronia melanocarpa*
- Dwarf Bush Honeysuckle *Diervilla lonicera*
- Red Dogwood *Cornus sericea*

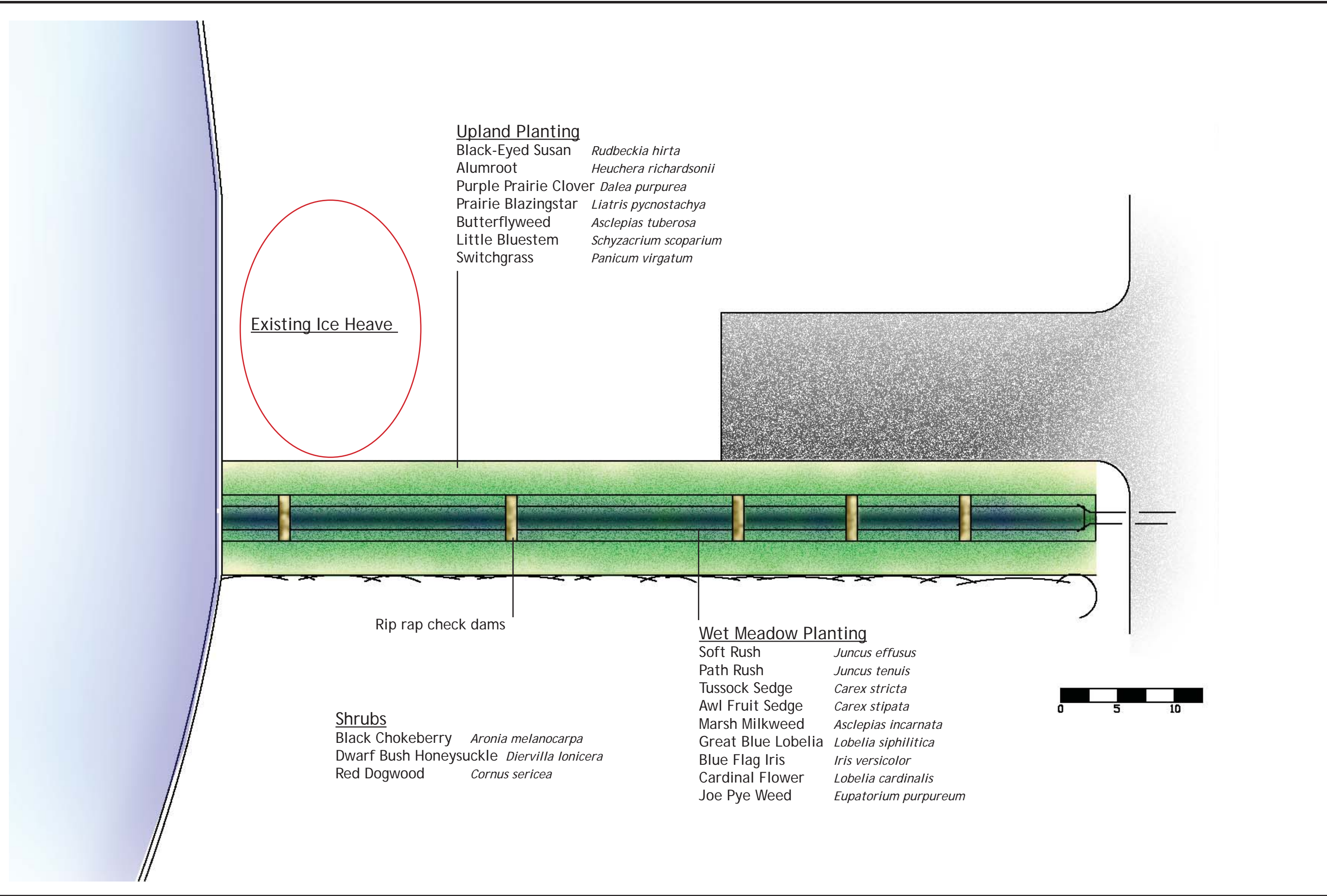
Rip rap check dams



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Lakeshore Buffer Planting
 237th Street NE
 Forest Lake, MN



Upland Planting

- Black-Eyed Susan *Rudbeckia hirta*
- Alumroot *Heuchera richardsonii*
- Purple Prairie Clover *Dalea purpurea*
- Prairie Blazingstar *Liatris pycnostachya*
- Butterflyweed *Asclepias tuberosa*
- Little Bluestem *Schyzacrium scoparium*
- Switchgrass *Panicum virgatum*

Existing Ice Heave

Rip rap check dams

Wet Meadow Planting

- Soft Rush *Juncus effusus*
- Path Rush *Juncus tenuis*
- Tussock Sedge *Carex stricta*
- Awl Fruit Sedge *Carex stipata*
- Marsh Milkweed *Asclepias incarnata*
- Great Blue Lobelia *Lobelia siphilitica*
- Blue Flag Iris *Iris versicolor*
- Cardinal Flower *Lobelia cardinalis*
- Joe Pye Weed *Eupatorium purpureum*

Shrubs

- Black Chokeberry *Aronia melanocarpa*
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