

Rock Trench

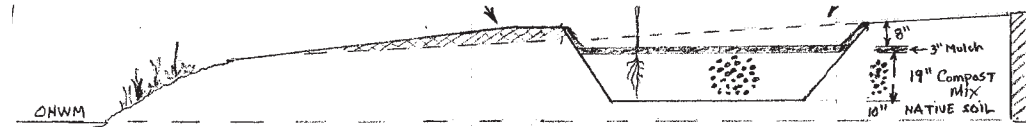
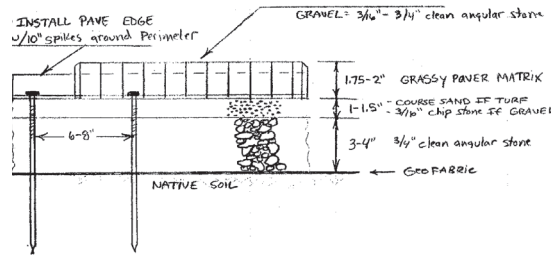
This rock trench at the base of the parking area is excavated to sand, lined with filter fabric and filled with rock. A rock trench is an effective method to allow water to soak into the ground and be purified before it enters the lake.

10x30 Planting, Wet Meadow

The deep roots and tall stems of the native plants in this 10'x30' shoreline buffer planting slow runoff water and allow it to absorb into the soil instead of flowing to the lake. The flowers and shrubs planted here will bloom throughout the summer and attract birds and butterflies. Bone Lake property owners can receive partial reimbursement of plant costs for these plantings. Information and more 10x30 designs at www.bonelakewi.com.

Turf Grass Pavers and Gravel Pavers

Porous paving materials allow water to soak into the soil. Grassy pavers are installed over layers of clean, angular stone and coarse sand, topped by the paver matrix filled with sandy loam topsoil, seeded with no-mow grasses. Gravel pavers use 3/16" chip stone instead of coarse sand and topsoil.



Trench Diversion to Rain Garden

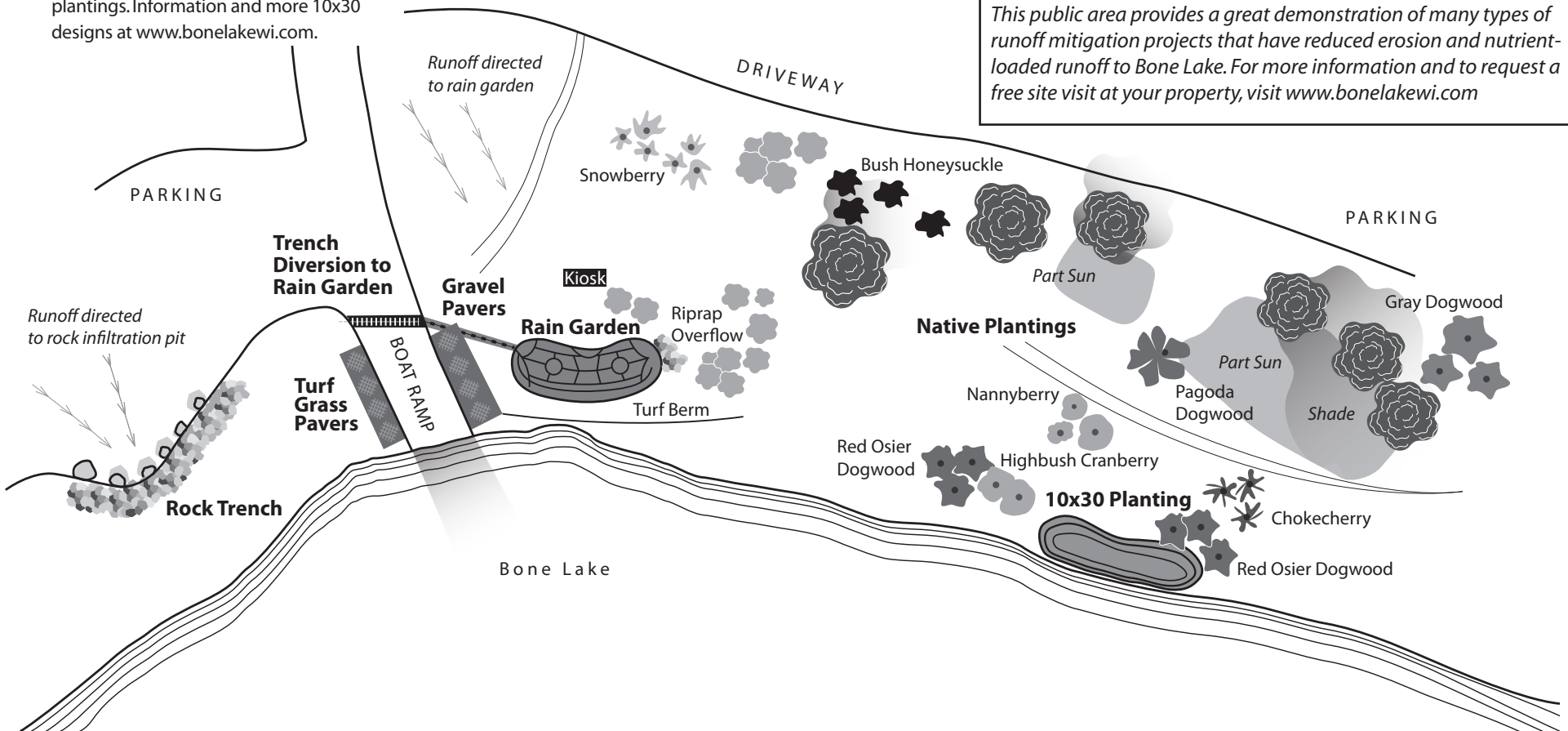
A trench diversion across the boat ramp diverts water to the rain garden. Rain gardens hold water for a day or two as it soaks in along the deep roots of native flowers and grasses.

Native Plantings

Two areas were chosen for native plantings because they were eroding and difficult to mow. Grasses and flowers are planted here. Great examples of native shrubs are also planted here. The fences around the shrubs are there to ensure that the deer don't destroy them before we get a chance to enjoy their beauty and the birds they attract.

Town of Bone Lake North Landing

This public area provides a great demonstration of many types of runoff mitigation projects that have reduced erosion and nutrient-loaded runoff to Bone Lake. For more information and to request a free site visit at your property, visit www.bonelakewi.com



10x30 Planting, Wet Meadow Plant List

Wet Meadows: Sunny with Moist or Wet Soil

Bright sun encourages blooming flowers with lots of color

Wet conditions fuel tall growth – expect your planting to be at least 3 feet tall!

The entire area of this planting must be moist or wet. This usually means you need to plant close to the water.

Shopping List (for a 300 ft² planting) – for substitutions use Wet Meadow List on bonelakewi.com

Quantity	Unit	SHRUBS – space 2-3 feet apart				
Number	Size	Common Name	Latin name	Height	Bloom Color	Bloom Time
3	6" pot	Black chokeberry - BC	<i>Aronia melanocarpa</i>	3-6'	White	May
9	6" pot	Meadowsweet - MS	<i>Spiraea alba</i>	3-6'	White	June to Aug
GRASSES- space 12 inches apart						
30	plug	Fox sedge	<i>Carex vulpinoidea</i>	1-3'	NA	NA
24	plug	Prairie cordgrass	<i>Spartina pectinata</i>	4-8'	NA	NA
FLOWERS- space 12-14 inches apart, if 6" pots are substituted, divide plant numbers by 2 and plant 18-20 inches apart						
19	4-6" pot	Blue flag iris	<i>Iris virginica</i>	18-30"	Blue	June to July
30	plug	Blue vervain	<i>Verbena hastata</i>	2-6'	Blue	June to Sept
24	plug	Culver's root	<i>Veronicastrum virginicum</i>	3-6'	White	June to Sept
18	plug	Marsh blazing star	<i>Liatris spicata</i>	2-3'	Purple	July to Aug
24	plug	New England aster	<i>Aster novae-angliae</i>	2-5'	Purple	Aug to Oct
24	plug	Orange coneflower	<i>Rudbeckia fulgida</i>	2-3'	Orange-Yellow	July to Oct
42	plug	Swamp milkweed	<i>Asclepias incarnata</i>	3-4'	Pink	June to Aug
SUPPLIES						
50	ft ³	Wood mulch				
5	lb.	Soil amendment (Milorganite, Plant Tone, or similar low phosphorus, organically based amendment)				
1	pint	Glyphosate herbicide (such as Round Up ®) to cover 300 ft ²				

Visit www.bonelakewi.com for 10x30 Planting designs for other soil types, to take the survey to evaluate runoff at your property and to request a free site visit.

Other Plant Lists

Rain Garden Plants

Big bluestem
 Indian grass
 Little bluestem
 Sweet flag
 Black eyed Susan
 Smooth blue aster
 Purple prairie clover
 Cardinal flower
 Joe pye weed
 Swamp milkweed
 Boneset
 Golden Alexander
 Monkey flower
 Blue vervain
 Marsh blazing star

Shade Or Part Sun

Wild geranium
 False Solomon's seal
 Lady fern
 Columbine
 Jacob's ladder
 Pennsylvania sedge
 Big leaf aster
 Bush honeysuckle

Part Sun

Little bluestem
 grass
 Bottlebrush grass
 Harebell
 Pearly everlasting

Shrubs

Pagoda dogwood
 Chokecherry
 Nannyberry
 Red osier dogwood
 High bush cranberry
 Grey dogwood
 Cornus racemosa
 Snowberry
 Bush honeysuckle



**Reducing Runoff
 Projects completed at
 Bone Lake North Landing**

A project of the Bone Lake Waterfront Runoff and the Wildlife and Natural Beauty Committees of the Bone Lake Lake Management Plan, funded by a Wisconsin DNR Lake Management grant.

A. Engelbreton