FIELDSTONE MUST BE NO MORE THAN 6’ WATERWARD OF OHWL

PLANT NATIVE PLUGS
1 PLANT PER SQ. FT

EXISTING
VEGETATION
BUFFER

PROPOSED CUT LINE/TOP OF BANK

FIELDSTONE TO BE NON-UNIFORM ALONG TOE

EROSION CONTROL BLANKET
NAG C700 BN

MAX. 3:1 SLOPE

ANCHOR BLANKET UNDER FOOTER BOULDERS

FIELDSTONE TO BE NON-UNIFORM ALONG TOE

EXISTING
GRADE

ANCHOR BLANKET UNDER FOOTER BOULDERS

SOIL LIFT

HEAD BOULDER

HEADER BOULDER

CL V FIELDSTONE

CL V FIELDSTONE

SOIL LIFT

EXISTING
GRADE

EXISTING
TOPE OF BANK

PLANT NATIVE PLUGS
1 PLANT PER SQ. FT

Erosion control blanket
NAG C700 BN

Max. 3:1 slope

Preserve or rebuild ice ridge if present

Trench in erosion control blanket

12” wood stakes 3’ O/C

Proposed cut line

Notes:

1. Rock shall be CL V fieldstone per MNDOT Spec 3601.
2. Elevation of top of header boulder shall be at the bank toe elevation.
3. Place and compact soil fill material between rocks to fill in void spaces. Fill material to be comprised of black dirt to support deep rooted vegetation. Minimum depth of soil above top of boulders shall be 6 inches.
4. NAG C700 BN erosion control blanket to be placed minimum 3 feet inside bank and staked with 12” wood stakes. Place black dirt on top of fill material and wrap blanket over soil to complete the lift. The slope of the soil lift surface shall be maximum 3:1.
5. Install native plant plugs in the soil lift by cutting small slits through the blanket material. Minimum planting density of 1 plant per sq. ft.
6. Preserve all existing woody vegetation on shoreline.

Carnelian-Marine-St. Croix Watershed District

Lakefront Bank
Restoration Detail

Revision Date: December 2019