West Michigan Shoreline Regional Development Commission and the Muskegon Lake Watershed Partnership
Amoco Peninsula and Ruddiman Creek Mouth Restoration Sites
Muskegon County, Michigan
SEPTEMBER, 2013
AS-BUILT PLANS. APPROVED BY: SCOTT DIERKS, P.E.
MUSKEGON LAKE
WATER ELEV=578.5'
(JULY, 2010)

LEGEND

- New Seawall
- Existing Seawall
- Cut Steele Seawall
- Cut Steele Seawall at Grade
- New Seawall to be Removed
- New Seawall to be Replaced
- Page Limitations
- Property Line
- Erosion Control
- Proposed Drainage
- Cut Steele Seawall at Grade

NOTES

1. All cut Steele shown on the drawing may not be present on the ground.
2. All property lines shown are approximate.
3. All underground utilities are approximate based on current plans, as-built plans, or field observations.
4. Contractor's detailed seawall removal process shall be coordinated for approval with the Municipal, City and Road Consulting Parties prior to beginning work.

SEAWALL REMOVAL PLAN

SHEET NO.

OF 17
SHORELINE SEED MIX "A"  
Scientific Name | Common Name | PLS Oz | Per Acre  
--- | --- | --- | ---  
Acrocephalus aestivum | Sweet Rig | 2 |  
Calamagrostis canadensis | Blue joint grass | 64 |  
Carex comosa | Rusty sedge | 55 |  
Carex pedata | Porcupine sedge | 5 |  
Carex leuca | Little bluestem | 5 |  
Carex viridula | Blue fox sedge | 10 |  
Elymus virginicus | Virginia wild rye | 10 |  
Equisetum arvense | Spotted jay-weed | 5 |  
Eryngium yuccifolium | Common yucca | 5 |  
Elymus canadensis | Canada wild rye | 10 |  
Elymus virginicus | Virginia wild rye | 10 |  
Euphorbiun gramineum | Spotted jay-weed | 5 |  
Eragrostis curvula | Stipa grass | 5 |  
Echinacea purpurea | Purple coneflower | 5 |  
Echinacea angustifolia | Narrowleaf coneflower | 5 |  
Echinacea pallida | Pale purple coneflower | 5 |  
Echinacea x purpurea | Purple coneflower | 5 |  

SHORELINE SEED MIX "B"  
Scientific Name | Common Name | PLS Oz | Per Acre  
--- | --- | --- | ---  
Atriplex canescens | Caucasian thistle | 5 |  
Atriplex portulacoides | Field pigweed | 5 |  
Atriplex canescens | Caucasian thistle | 5 |  

NATIVE PLANT LIST (EMERGENT)  
Scientific Name | Common Name | PLS Oz | Per Acre  
--- | --- | --- | ---  
Asplenium trichomanes | Christmas fern | 5 |  
Blechnum spicant | Black spleenwort | 5 |  
Podophyllum peltatum | Mayapple | 5 |  
Penthorum plantagineum | Wintergreen | 5 |  
Saxifraga stellaris | Star saxifrage | 5 |  
Glechoma hederacea | Hound’s tongue | 5 |  

NATIVE PLANT LIST (EMERGENT) (Bio-D-BLOCK SYSTEM) ABOVE 581.0'  
Scientific Name | Common Name | PLS Oz | Per Acre  
--- | --- | --- | ---  
Asplenium trichomanes | Christmas fern | 5 |  
Podophyllum peltatum | Mayapple | 5 |  
Saxifraga stellaris | Star saxifrage | 5 |  
Glechoma hederacea | Hound’s tongue | 5 |  

NATIVE PLANT LIST (EMERGENT) (Bio-D-BLOCK SYSTEM) BELOW 581.0'  
Scientific Name | Common Name | PLS Oz | Per Acre  
--- | --- | --- | ---  
Asplenium trichomanes | Christmas fern | 5 |  
Podophyllum peltatum | Mayapple | 5 |  
Saxifraga stellaris | Star saxifrage | 5 |  
Glechoma hederacea | Hound’s tongue | 5 |  

NATIVE TREE LIST  
Scientific Name | Common Name | PLS Oz | Per Acre  
--- | --- | --- | ---  
Populus balsamifera | Balsam poplar | 15 |  
Amelanchier canadensis | Serviceberry | 15 |  
Quercus rubra | Red oak | 25 |  
Quercus prinus | White oak | 25 |  

NATIVE TREE LIST (Bio-D-BLOCK SYSTEM) ABOVE 581.0'  
Scientific Name | Common Name | PLS Oz | Per Acre  
--- | --- | --- | ---  
Populus balsamifera | Balsam poplar | 15 |  
Amelanchier canadensis | Serviceberry | 15 |  
Quercus rubra | Red oak | 25 |  
Quercus prinus | White oak | 25 |  

NATIVE TREE LIST (Bio-D-BLOCK SYSTEM) BELOW 581.0'  
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Populus balsamifera | Balsam poplar | 15 |  
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Quercus rubra | Red oak | 25 |  
Quercus prinus | White oak | 25 |  

PLAN VIEW  
Not to Scale  

SECTION  
Not to Scale  

PRE-VETETATED COCONUT PILLOW INSTALLATION  
Not to Scale  

1. COCONUT PILLOWS SHALL BE PRE-VETETATED WITH NATIVE PLANTS 1' O.C. WITH SPINACH CORK AND TAKEN TO SITE FRESH.  

2. COCONUT PILLOWS SHALL BE PRE-VETETATED AT LEAST 6 WEEKS PRIOR TO INSTALLATION.  

3. COCONUT PILLOWS SHALL BE PRE-VETETATED AT LEAST 6 WEEKS PRIOR TO INSTALLATION.