



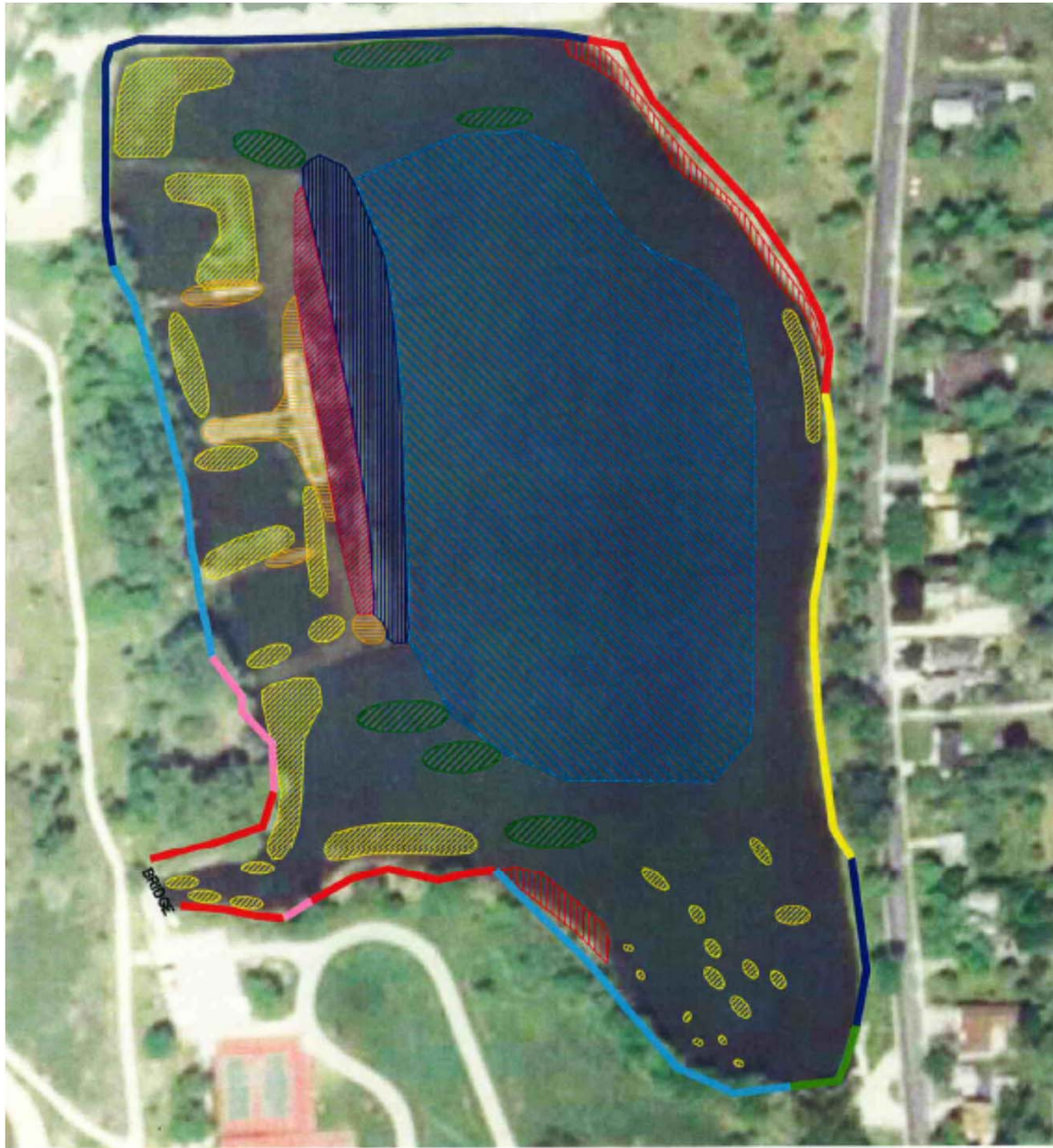
BRADLEY LAKE

~260 acre watershed

SUNSET PARK BEACH

Courtesy - City of Sturgeon Bay Engineering Department.







Current State of Bradley Lake



AQUATIC PLANT KEY

-  FLOATING
-  SHRUBS
-  EMERGENT
-  EMERGENT/PHRAGMITES
-  SUBMERCENT
-  SUBMERCENT/SAGO PONDWEED
-  SUBMERCENT/EURSIAN WATER MILFOIL

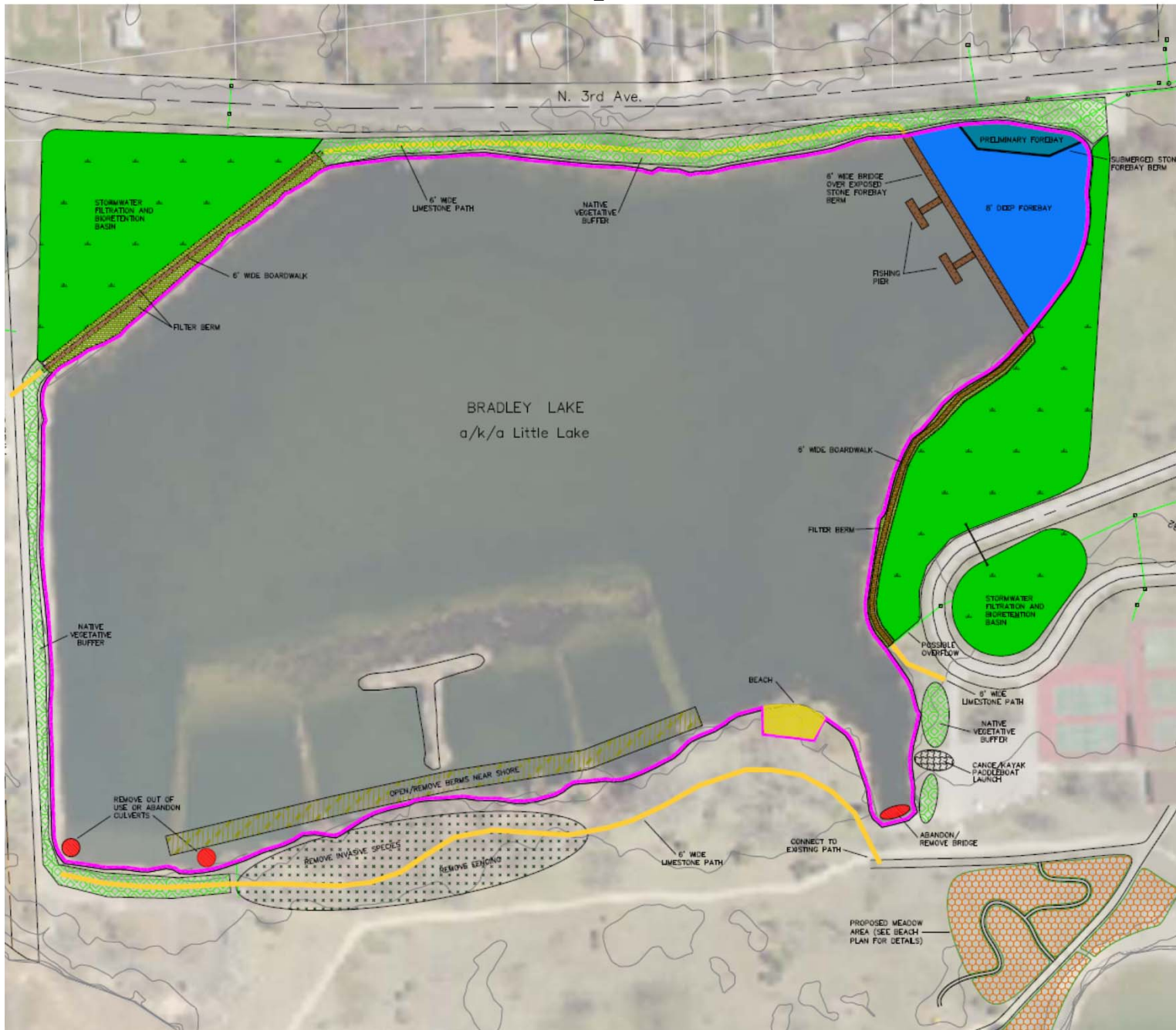
SHORELINE PLANT KEY

-  MIXED TREES WITH SHRUB UNDERSTORY
-  MIXED TREES AND SHRUBS WITH HERBACEOUS UNDERSTORY
-  HERBACEOUS PLANT COMMUNITY DOMINATED BY COMMON REED
-  RIP-RAP
-  HERBACEOUS PLANT COMMUNITY
-  HERBACEOUS PLANT COMMUNITY DOMINATED BY COMMON REED AND CROWN VETCH



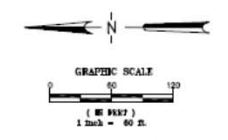
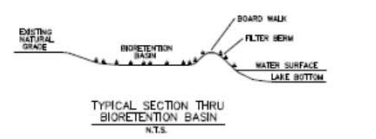
BOAT & SHORELINE
SURVEYS MAP

Conceptual Site Plan



LAKE AND STORM WATER MANAGEMENT CONCEPT PLAN

- LAKE:**
- ENTIRE LAKE:
 - SEDIMENT REMOVAL
 - HERBICIDE TREATMENT OF AREAS OF AQUATIC INVASIVE SPECIES
 - RESTOCK FISHERY
 - REMOVE OLD HATCHERY BERMS NEAR SHORE
- SHORELINE:**
- ABANDON AND REMOVE BRIDGE AND OUT OF USE CULVERTS
 - SHORELINE STABILIZATION AND RESTORATION WITH NATIVE PLANT BUFFER
 - ALTERNATIVE SHORELINE PLANT MANAGEMENT TO DISCOURAGE WATERFOWL USE
 - HERBICIDE TREATMENT OF INVASIVE SPECIES
- STORM WATER MANAGEMENT:**
- DECREASE WIDTH OF ALABAMA ST. AND INSTALL BUFFER BETWEEN ROAD AND LAKE
 - BUFFER BETWEEN LAKE AND IMPERVIOUS SURFACES
 - STORM WATER FILTRATION AND BIORETENTION
 - STORM WATER RETENTION FOREBAY
 - BEST MANAGEMENT PRACTICES IN WATERSHED (BMP'S)
- RECREATION:**
- FISHING PIER
 - CANOE/KAYAK/PADDLEBOAT LAUNCH
 - WALKING PATHS
 - BEACH



PRELIMINARY

City of Sturgeon Bay - Little Lake Study and Redesign Project (Phase II)

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