

# Information for File # MVP-2015-00538-SJW

**Applicant:** City of Eau Claire

**Corps Contact:** Sam Woboril

**Address:** 1314 Contractors Boulevard Plover, Wisconsin 54467

**E-Mail:** samuel.j.woboril@usace.army.mil

**Phone:** (651) 290-5878

**Project Location:** Sec. 25, T. 27N., R. 10W., Eau Claire County, Wisconsin.

**Information Complete On:** December 10, 2015

**Posting Expires On:** January 28, 2016

**Authorization Type:** Section 404 and Section 10

This application is being reviewed in accordance with current practices for documenting Corps jurisdiction under Section(s) 9 & 10 of the Rivers and Harbor Act of 1899 and Section 404 of the Clean Water Act.

We have made a preliminary determination that the aquatic resources that would be impacted by the proposed project are subject to Corps of Engineers jurisdiction under Section(s) 9 & 10 of the Rivers and Harbors Act of 1899 and/or Section 404 of the Clean Water Act. If an approved jurisdictional determination is completed as part of the review process for this application, a copy will be posted on the St. Paul District web page at the following link:  
<http://www.mvp.usace.army.mil/Missions/Regulatory.aspx>.

**Project Description:** The City of Eau Claire has submitted a request for Department of the Army Authorization to excavate 6,210 cubic yards of contaminated sediment material from a 1.54 acre area below the ordinary high water mark (OHWM) on the Chippewa River. Contaminated sediment was identified near an abandoned outfall structure which was formerly utilized by the City of Eau Claire Waste Water Treatment Plant. Sediment remediation would include the removal of all contaminated sediment below the OHWM at areas exceeding the Probable Effects Concentration (PEC) which are shown on the attached Figure 1.

Contaminated sediment would be removed through the use of mechanical dredging operations. A long arm excavator at the shoreline will be used to remove contaminated sediment. Due to the long arm excavator having a maximum reach of 50 feet, equipment may also need to be positioned below the OHWM to remove sediment from the center of the excavation area which would require the temporary placement of timber matting below the OHWM.

Dredged material would be temporarily stockpiled below the OHWM in un-dredged areas to prevent contaminant migration during the dewatering process. The primary method that would be utilized for dewatering will consist of gravity drainage at the stockpile areas. Though water will be allowed to gravity drain at these areas, drainage will be separated from active and completed dredge areas by silt fences or turbidity barriers, which will prevent water from draining into areas not yet dredged. Once dewatered, the contaminated material would be loaded into trucks and transported off-site for disposal and an approved landfill. In addition, the former outfall pipe and any other random debris would be removed during with dredging operations.

Shoreline areas along the OHWM will also be used for equipment access. Temporary haul roads would be constructed along the east shoreline, where contaminated sediment would be truck loaded for transportation to an off-site landfill. To access the upper slough area, a ramp or bench would be excavated along the sloped east side of the river bank. Storm water and erosion control BMPs would be implemented at these shoreline access areas to minimize sediment migration. Following sediment removal, temporary haul roads and ramps will be removed and staging areas will be restored to preconstruction grades. The shoreline would also be restored to its original grade at that time.

Sediment removal efforts would commence no earlier than November 1, 2015. All work below the OHWM would be completed no later than March 15, 2016.

**Federally-listed Threatened and Endangered Species:** Four federally listed threatened or endangered species are present in Eau Claire County, Wisconsin according to the USFWS Threatened(T) and Endangered(E) Species Distribution website. The species listed include: Gray wolf (E), Northern long-eared bat (T), Sheepsnose (E), and Karner blue butterfly (E).

**Historic Properties:** A search of the Wisconsin Historical Society Database was conducted on January 13, 2015 and no cultural resources or historic properties (known to be eligible for inclusion, or included in the Register) are located in the project area.

**Compensatory Mitigation:** Compensatory mitigation would not be required as the proposed work would result in an ecological benefit.

**Drawings:** See attached figures.



**Legend**

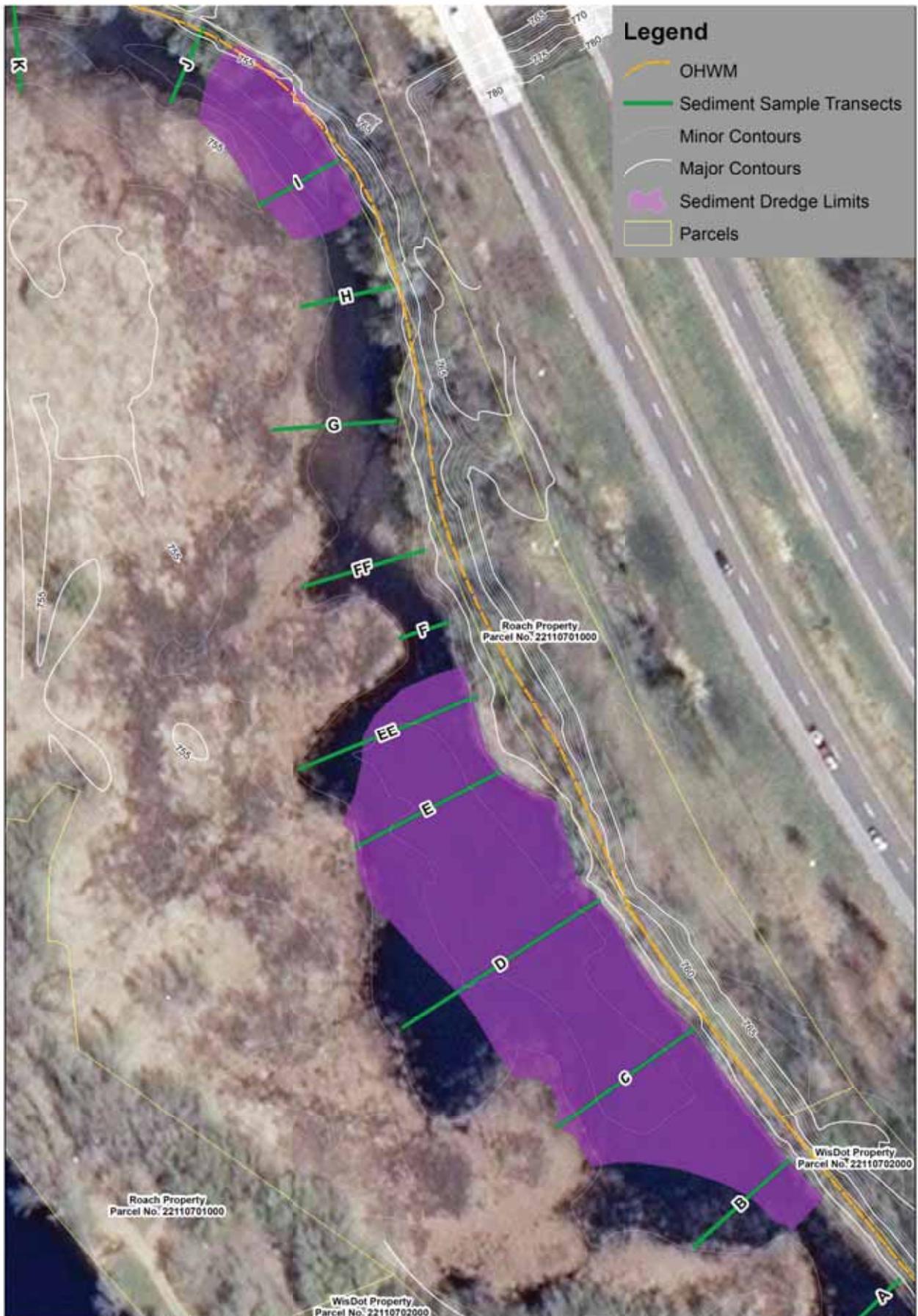
- Historic samples
- Discolored sediment location
- Sediment samples (Feb 2012)
- Transect lines (Feb 2012)
- Former outfall
- OHWM delineated (Feb 2012)
- Lateral Extent of Contamination**
- Exceeds PEC
- Exceeds TEC

**SHANNON & WILSON, INC.**  
 PROFESSIONAL AND ENVIRONMENTAL CONSULTANTS  
 2130 Laurel Lane, Suite 101, Madison, WI 53713  
 Phone (608) 443-3373

Former Waste Water Outfall  
 City of Eau Claire, Wisconsin

**Figure 1**  
 Lateral Extent of Sediment  
 Contamination at Former Outfall  
 & Upper Slough Areas

PROJECT NO. 12-1747-001      DATE: 05/11



**Figure 2 – OHWM and Topography/Bathymetry**

1 inch = 70 feet

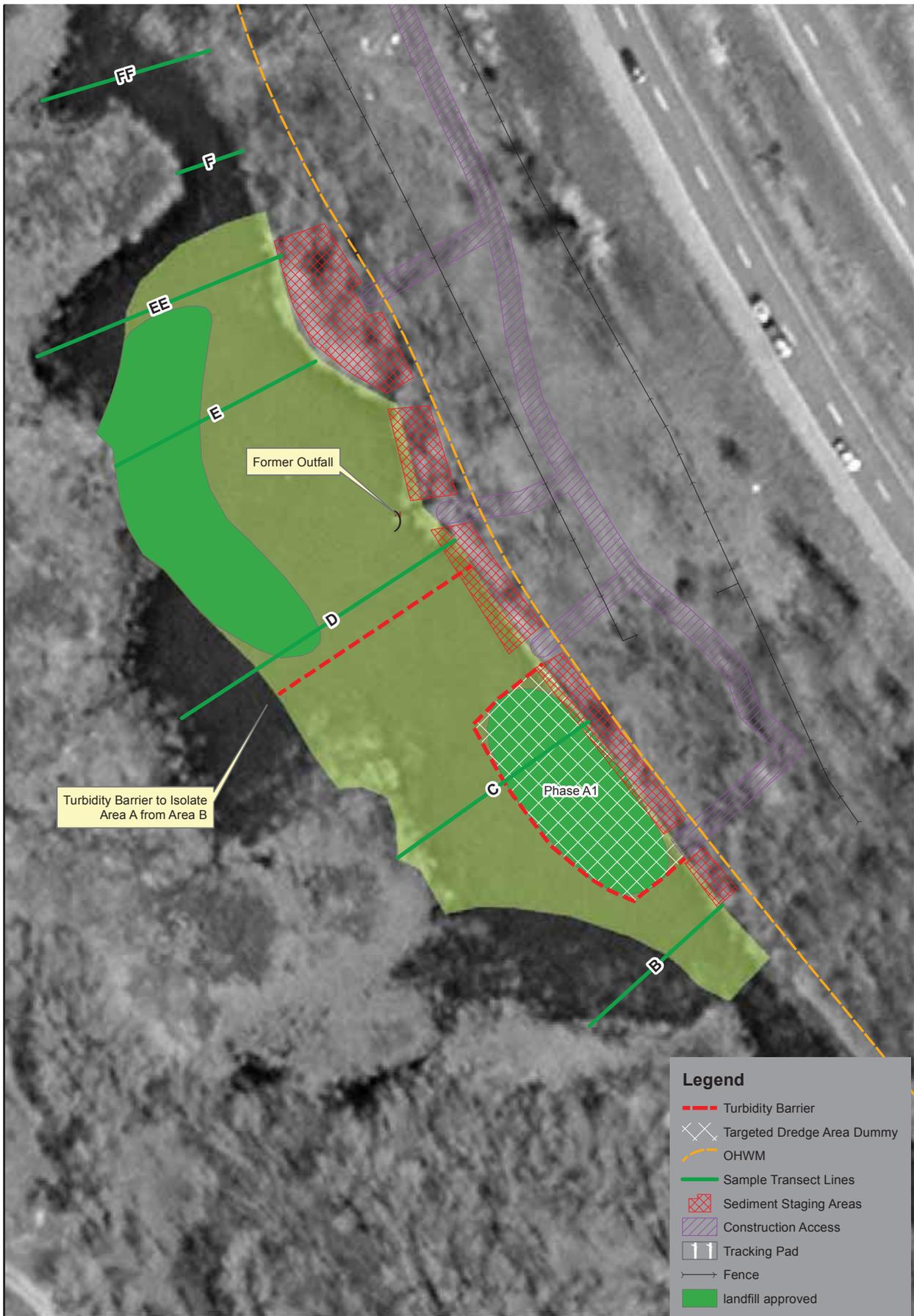
0 15 30 60 Feet

Copyright © 2013 National Geographic Society

Montgomery Associates  
 119 South Main Street  
 Cottage Grove, WI 53527  
 www.ma-rs.org | (608) 839-4422

Former Water Water Outfall  
 City of Eau Claire | Eau Claire, Wisconsin

2/12/2015  
 Coordinate System: 1983 HARN Eau Claire Co. Coordinates-Foot  
 Metadata included in the Report



**Legend**

- - - Turbidity Barrier
- X X X Targeted Dredge Area Dummy
- - - OHWM
- Sample Transect Lines
- X X X Sediment Staging Areas
- / / / Construction Access
- Tracking Pad
- Fence
- landfill approved

1 inch = 50 feet

0 12.525 50 Feet



**Figure 3-A1 –Dredge Schematic Plan**

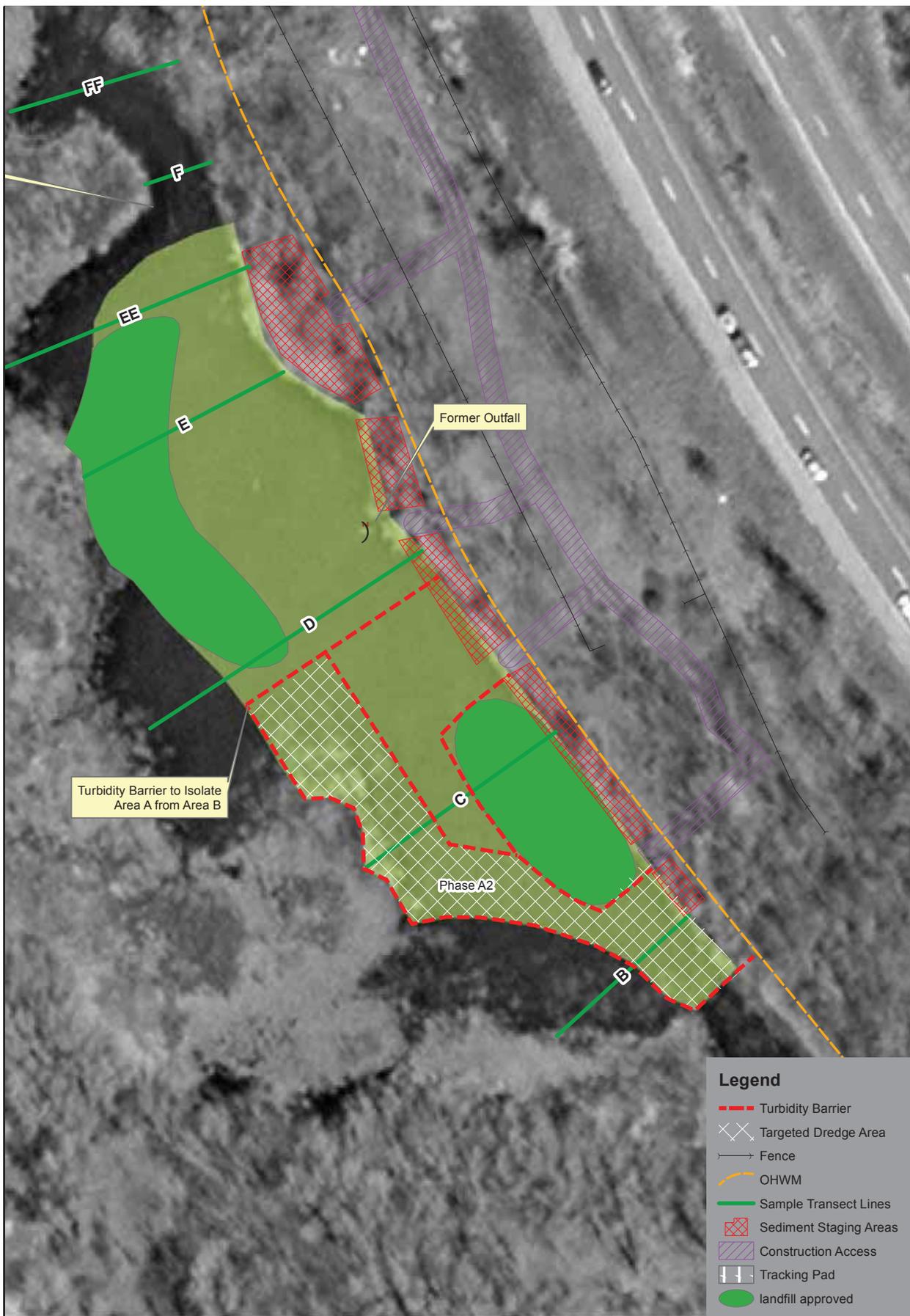
Former Water Water Outfall  
 City of Eau Claire | Eau Claire, Wisconsin



Montgomery Associates  
 119 South Main Street  
 Cottage Grove, WI 53527  
 www.ma-rs.org | (608) 839-4422



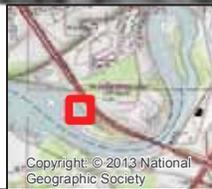
5/18/2015  
 Coordinate System: 1983 HARN Eau Claire Co. Coordinates-Foot  
 Metadata Included in the Report



- Legend**
- Turbidity Barrier
  - X X Targeted Dredge Area
  - Fence
  - OHWM
  - Sample Transect Lines
  - X X Sediment Staging Areas
  - Construction Access
  - Tracking Pad
  - landfill approved

1 inch = 50 feet

0 12.525 50 Feet

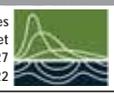


**Figure 3-A2 –Dredge Schematic Plan**

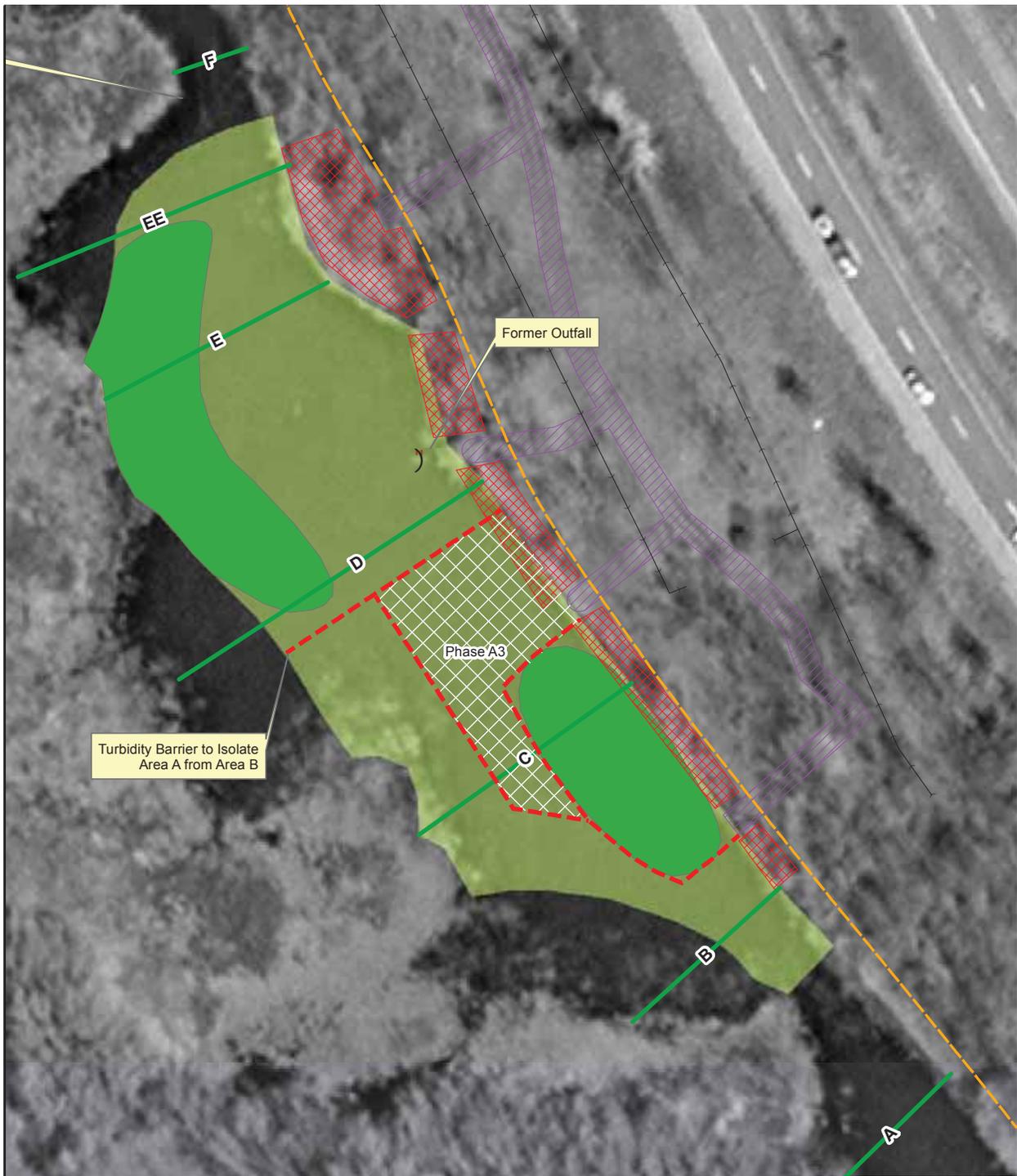
Former Water Water Outfall  
 City of Eau Claire | Eau Claire, Wisconsin



Montgomery Associates  
 119 South Main Street  
 Cottage Grove, WI 53527  
 www.ma-rs.org | (608) 839-4422



5/18/2015  
 Coordinate System: 1983 HARN Eau Claire Co. Coordinates-Foot  
 Metadata Included in the Report



**Legend**

- Targeted Dredge Area
- Turbidity Barrier
- Fence
- OHWM
- Sample Transect Lines
- Sediment Staging Areas
- Construction Access
- Tracking Pad
- landfill approved

1 inch = 50 feet



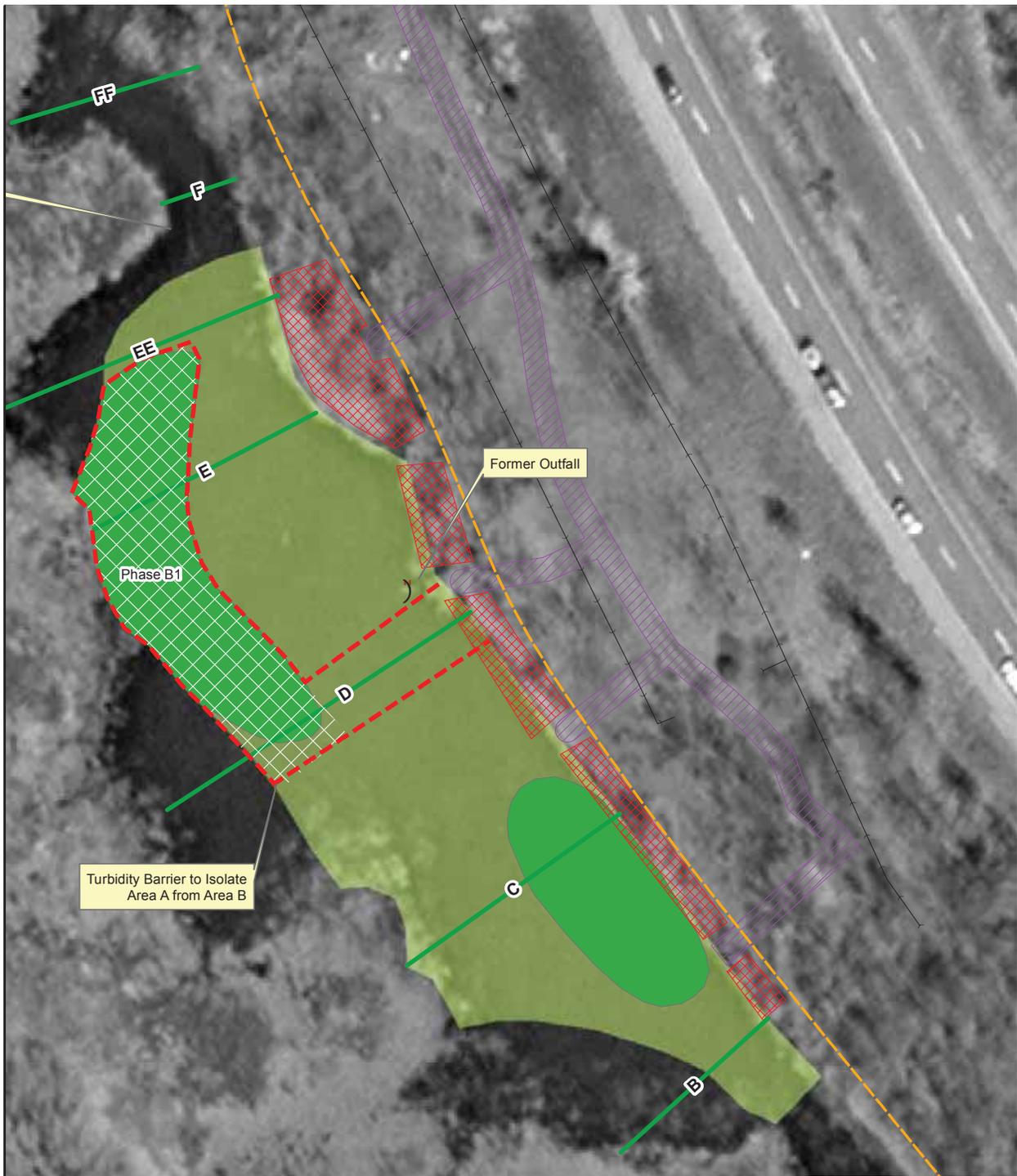
**Figure 3-A3 –Dredge Schematic Plan**

Former Water Water Outfall  
 City of Eau Claire | Eau Claire, Wisconsin



Montgomery Associates  
 119 South Main Street  
 Cottage Grove, WI 53527  
 www.ma-rs.org | (608) 839-4422

5/19/2015  
 Coordinate System: 1983 HARN Eau Claire Co. Coordinates-Foot  
 Metadata Included in the Report



**Legend**

- Targeted Dredge Area
- Turbidity Barrier
- Fence
- OHWM
- Sample Transect Lines
- Sediment Staging Areas
- Construction Access
- Tracking Pad
- landfill approved

1 inch = 50 feet



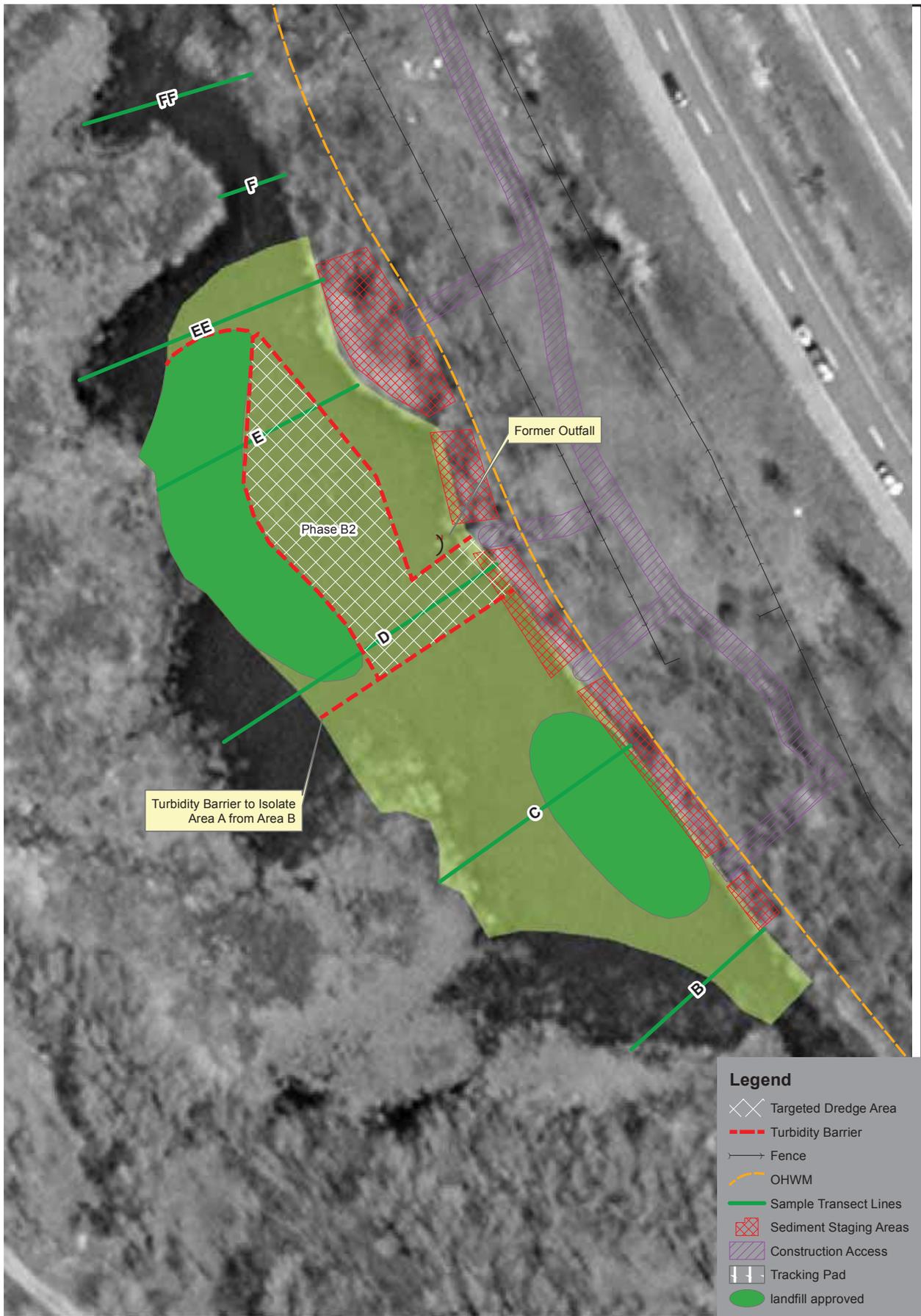
**Figure 3-B1 –Dredge Schematic Plan**

Former Water Water Outfall  
 City of Eau Claire | Eau Claire, Wisconsin

Montgomery Associates  
 119 South Main Street  
 Cottage Grove, WI 53527  
 www.ma-rs.org | (608) 839-4422

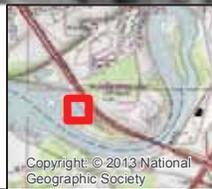


5/18/2015  
 Coordinate System: 1983 HARN Eau Claire Co. Coordinates-Foot  
 Metadata Included in the Report



- Legend**
- Targeted Dredge Area
  - Turbidity Barrier
  - Fence
  - OHWM
  - Sample Transect Lines
  - Sediment Staging Areas
  - Construction Access
  - Tracking Pad
  - landfill approved

1 inch = 50 feet



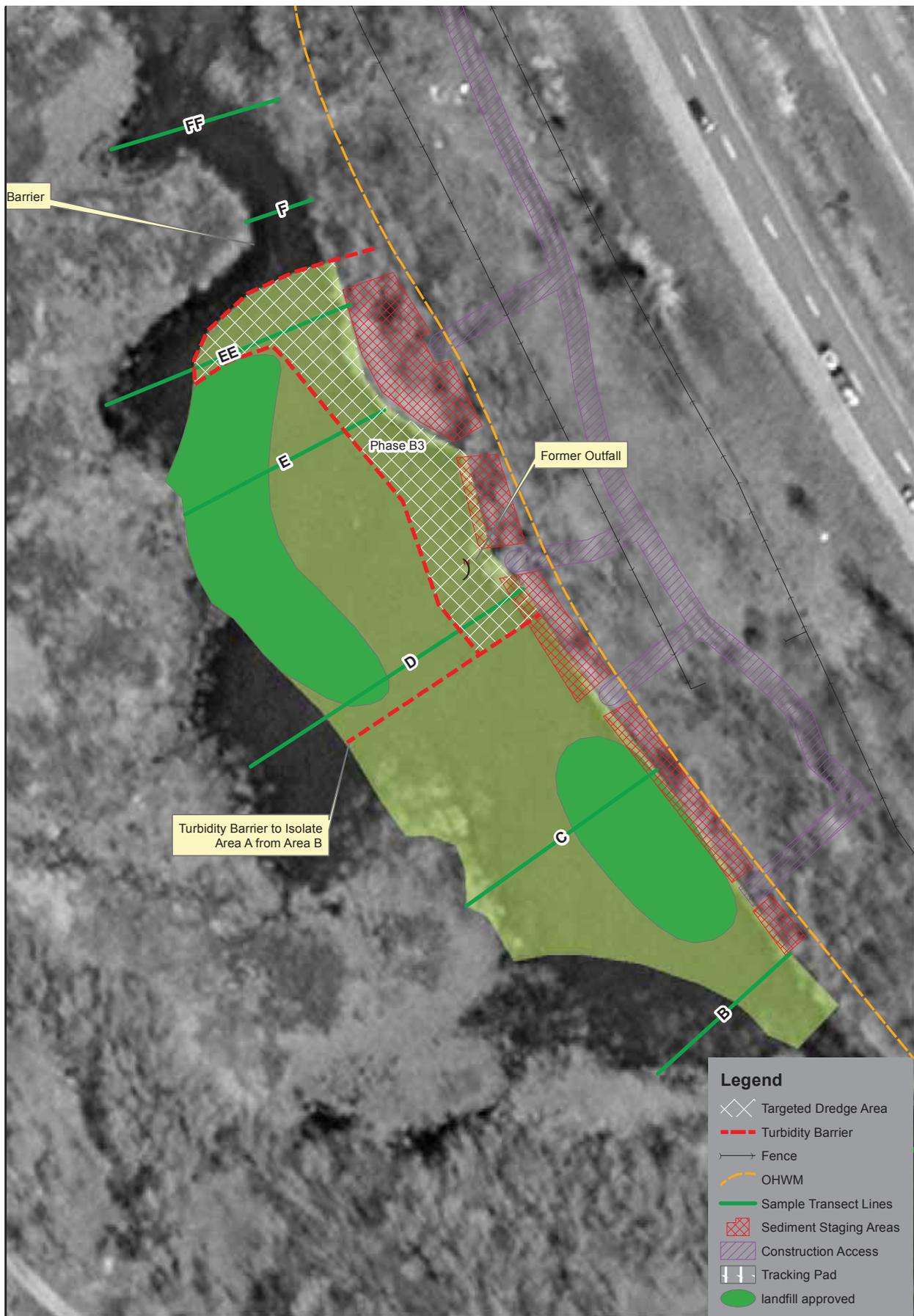
**Figure 3-B2 –Dredge Schematic Plan**

Former Water Water Outfall  
 City of Eau Claire | Eau Claire, Wisconsin

Montgomery Associates  
 119 South Main Street  
 Cottage Grove, WI 53527  
 www.ma-rs.org | (608) 839-4422



5/18/2015  
 Coordinate System: 1983 HARN Eau Claire Co. Coordinates-Foot  
 Metadata Included in the Report



- Legend**
- Targeted Dredge Area
  - Turbidity Barrier
  - Fence
  - OHWM
  - Sample Transect Lines
  - Sediment Staging Areas
  - Construction Access
  - Tracking Pad
  - landfill approved

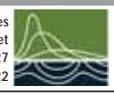
1 inch = 50 feet



**Figure 3-B3 –Dredge Schematic Plan**

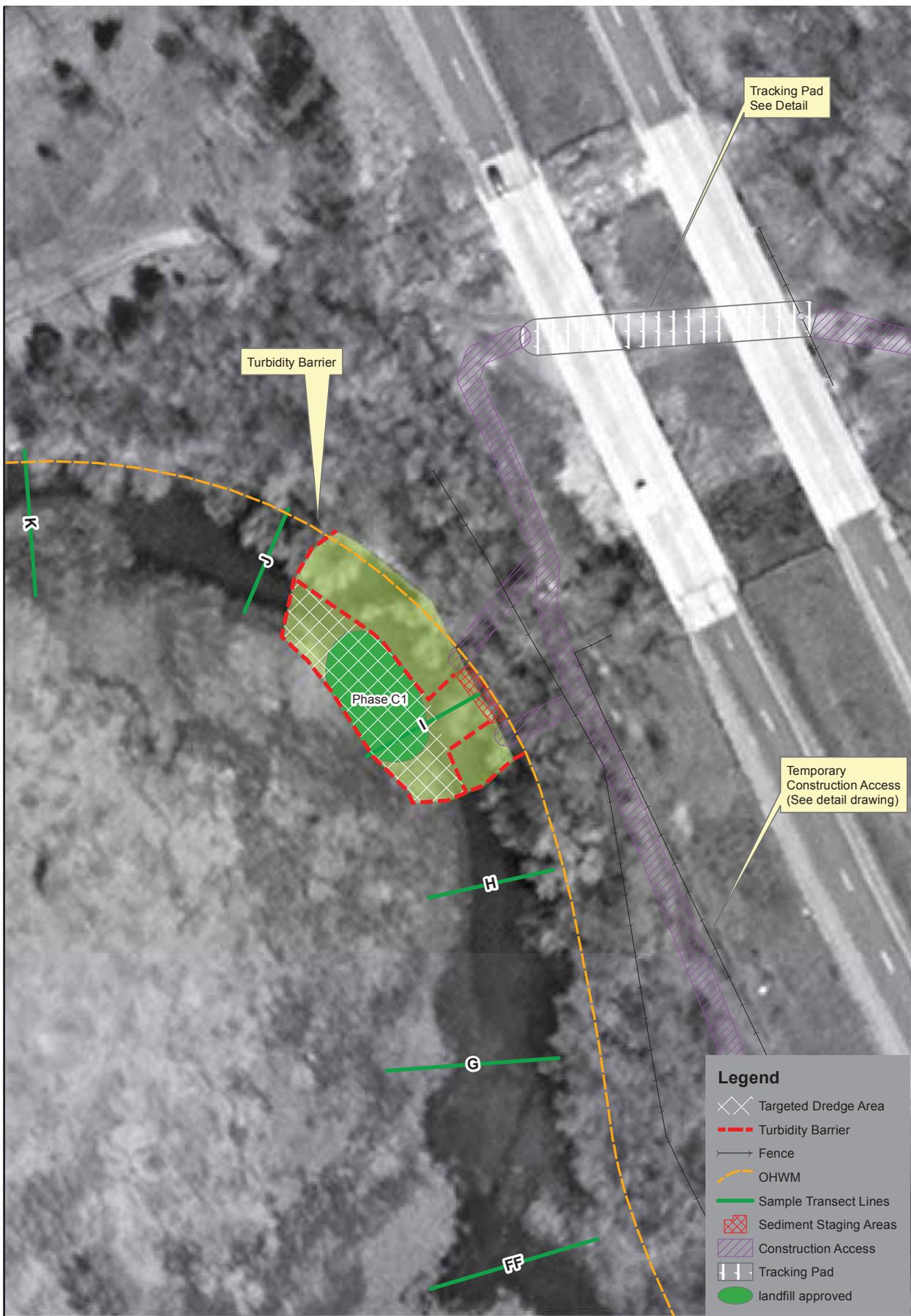
Former Water Water Outfall  
 City of Eau Claire | Eau Claire, Wisconsin

Montgomery Associates  
 119 South Main Street  
 Cottage Grove, WI 53527  
 www.ma-rs.org | (608) 839-4422



5/18/2015  
 Coordinate System: 1983 HARN Eau Claire Co. Coordinates-Foot  
 Metadata Included in the Report

Copyright © 2013 National Geographic Society



1 inch = 50 feet

0 12.525 50 Feet



Figure 3-C1 –Dredge Schematic Plan

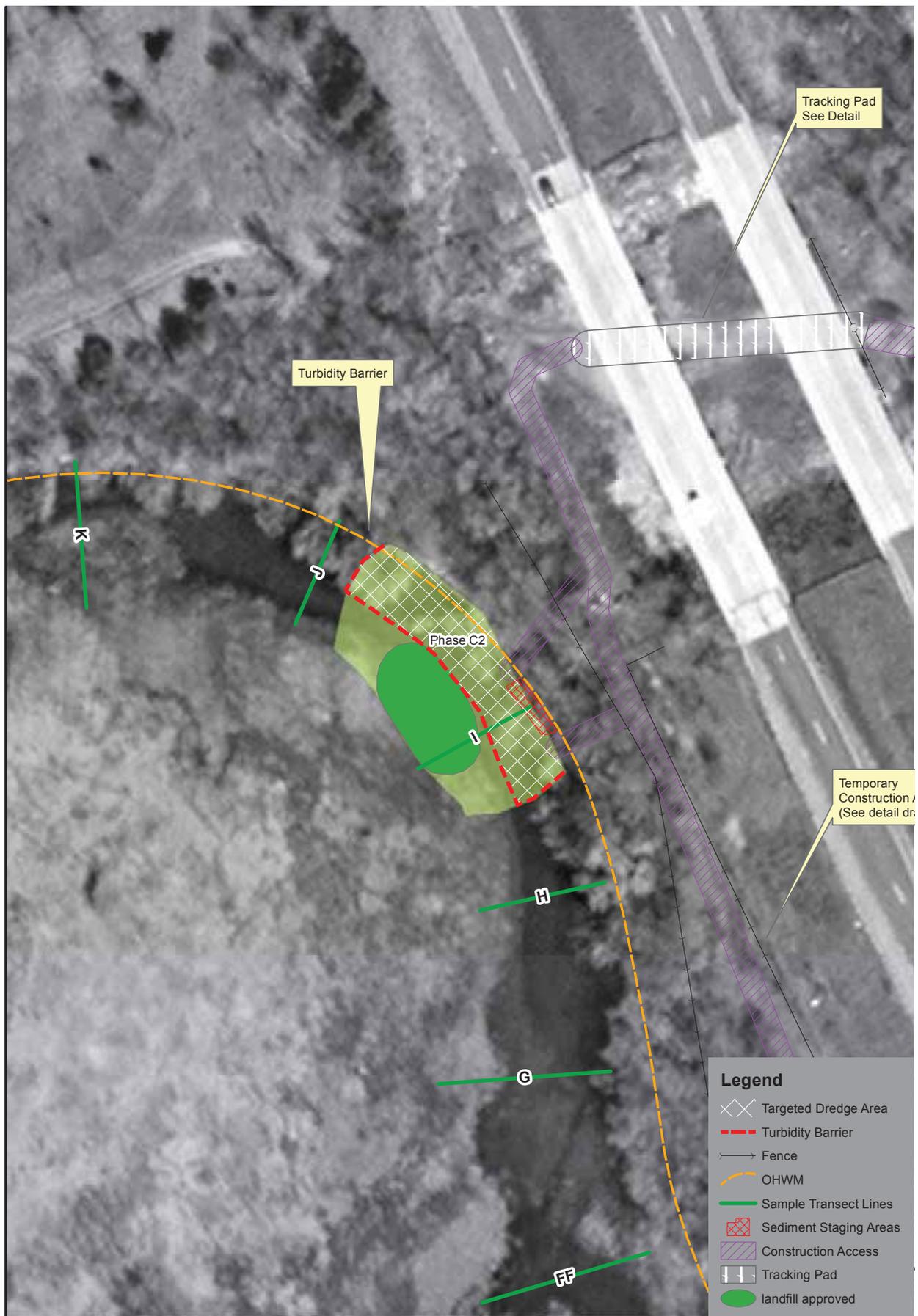
Former Water Water Outfall  
 City of Eau Claire | Eau Claire, Wisconsin



Montgomery Associates  
 119 South Main Street  
 Cottage Grove, WI 53527  
 www.ma-rs.org | (608) 839-4422



5/18/2015  
 Coordinate System: 1983 HARN Eau Claire Co. Coordinates-Foot  
 Metadata Included in the Report



- Legend**
- Targeted Dredge Area
  - Turbidity Barrier
  - Fence
  - OHWM
  - Sample Transect Lines
  - Sediment Staging Areas
  - Construction Access
  - Tracking Pad
  - landfill approved

1 inch = 50 feet

0 12.525 50 Feet

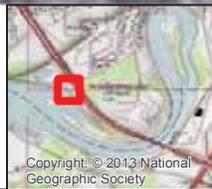


Figure 3-C2 –Dredge Schematic Plan

Former Water Water Outfall  
 City of Eau Claire | Eau Claire, Wisconsin

Montgomery Associates  
 119 South Main Street  
 Cottage Grove, WI 53527  
 www.ma-rs.org | (608) 839-4422



5/18/2015  
 Coordinate System: 1983 HARN Eau Claire Co. Coordinates-Foot  
 Metadata Included in the Report