

**U.S. Army Corps
of Engineers**
Pittsburgh District

Public Notice

In Reply Refer to
Notice No. below

US Army Corps of Engineers, Pittsburgh District
1000 Liberty Avenue
Pittsburgh, PA 15222-4186

Application No. LRP-2013-381

Date: June 3, 2014

Notice No. 14-26

Closing Date: July 3, 2014

1. **TO ALL WHOM IT MAY CONCERN:** The following application has been submitted for a Department of the Army Permit under the provisions of Section 404 of the Clean Water Act.
2. **APPLICANT:** U.S. Property and Fiscal Officer for Ohio
COL John P. Dernberger
2811 West Dublin-Granville Road
Columbus, Ohio 43235

AGENT: Davey Resource Group
1500 North Mantua Street
Kent, Ohio 44240
3. **LOCATION:** Camp Ravenna Joint Military Training Center
Paris and Windham Townships, Portage County, Ohio
4. **PURPOSE AND DESCRIPTION OF WORK:** The applicant proposes to construct two new firing ranges at Camp Ravenna Joint Military Training Center, which will impact 7.45 acres of jurisdictional wetlands and 496 linear feet of stream. A Modified Record Fire (MRF) Range and a Multipurpose Machinegun (MPMG) Range are proposed to be constructed to enhance training capability for military and civilian law enforcement personnel within the limits of Camp Ravenna. Additionally, 0.315 acre of isolated wetland is proposed to be impacted.
To mitigate for these impacts, a total of 11.5 acres of wetlands will be restored at various sites on the Camp Ravenna property. Impacts occurring on the MPMG Range will be mitigated directly at the site, restoring 5.9 acres of wetland on a proposed to be abandoned shooting lane. The MRF Range wetland impacts will be mitigated for at the existing Route 80 Tank Farm Mitigation Site, which has undergone five years of monitoring already and contains 2.625 acres of wetlands. A portion of the site is designated as mitigation from a previous isolated wetland permit (0.915 acre), leaving a total of 1.7 acres available for use as mitigation for this project. The additional 3.9 acres of mitigation wetlands will be restored by removing fill and tiled areas at an area adjacent to the Route 80 Tank Farm Mitigation Site.
To mitigate for the loss of 496 linear feet of stream, the applicant proposes to complete a dam removal and stream restoration project on the South Fork Eagle Creek, which runs through the Camp Ravenna property. It will include the removal of a dam and the creation of a

meandering stream with natural features, included re-vegetation of the riparian area, creating 900 linear feet of stream channel. The applicant plans to use 744 linear feet of this stream mitigation for the MRF and MPMG ranges, leaving 156 linear feet to be used towards other future Camp Ravenna construction projects that may have potential stream impacts. Drawings of the proposed project can be viewed online at <http://www.lrp.usace.army.mil/Missions/Regulatory/PublicNotices.aspx> under Public Notice 14-26.

5. WATER QUALITY CERTIFICATION: A Permit will not be granted until Water Quality Certification is received or waived from:

Ohio Environmental Protection Agency (Ohio EPA)
Section 401 Coordinator
PO Box 1049
Columbus, Ohio 43266-0149
Telephone Number: 614-644-2001

6. IMPACT ON NATURAL RESOURCES: The District Engineer has consulted the most recently available information, as well as the Camp Ravenna Integrated Natural Resources Management Plan and a May 6, 2008 letter from the United States Fish and Wildlife Service, and has determined that the project may affect, but is not likely to adversely affect endangered species or threatened species, or result in destruction or adverse modification of habitat of such species which has been determined to be critical. This Public Notice serves as a request to the U.S. Fish and Wildlife Service for any additional information they may have on whether any listed or proposed to be listed endangered or threatened species may be present in the area which would be affected by the activity, pursuant to Section 7(c) of the Endangered Species Act of 1972 (as amended). If the U.S. Fish and Wildlife Service concurs with the may affect, not likely to adversely affect determination please respond with written concurrence.

7. IMPACT ON CULTURAL RESOURCES: The Ohio Historic Preservation Office has previously been contacted for range development work at Camp Ravenna and references project number 2009-POR-5085/1023502. It has been determined that there are no properties currently listed on the National Register of Historic Places which would be directly affected by the proposed work. If we are made aware, as a result of comments received in response to this notice, or by other means, of specific archeological, scientific, prehistorical, or historical sites or structures which might be affected by the proposed work, the District Engineer will immediately take the appropriate action necessary pursuant to the National Historic Preservation Act of 1966 - Public Law 89-665 as amended (including Public Law 96-515).

8. PUBLIC INVOLVEMENT: Any person may request, in writing, within the comment period specified in the paragraph below entitled "RESPONSES," that a public hearing be held to consider this application. The requests for public hearing shall state, with particularity, the reasons for holding a public hearing.

9. **EVALUATION:** Interested parties are invited to state any objections they may have to the proposed work. The decision whether to issue a permit will be based on an evaluation of the probable impact including cumulative impacts of the proposed activity on the public interest. That decision will reflect the national concern for both protection and utilization of important resources. The benefit which reasonably may be expected to accrue from the proposals must be balanced against its reasonably foreseeable detriments. All factors which may be relevant to the proposal will be considered including the cumulative effects thereof; among those are conservation, economics, aesthetics, general environmental concerns, wetlands, historic properties, fish and wildlife values, flood hazards, flood plain values, land use, navigation, shoreline erosion and accretion, recreation, water supply and conservation, water quality, energy needs, safety, food and fiber production, mineral needs, considerations of property ownership and, in general, the needs and welfare of the people. The Corps of Engineers is soliciting comments from the public; Federal, state, and local agencies and officials; Indian Tribes; and other interested parties in order to consider and evaluate the impacts of this proposed activity. Any comments received will be considered by the Corps of Engineers to determine whether to issue, modify, condition or deny a permit for this proposal. To make this decision, comments are used to assess impacts on endangered species, historic properties, water quality, general environmental effects, and the other public interest factors listed above. Comments are used in the preparation of an Environmental Assessment and/or an Environmental Impact Statement pursuant to the National Environmental Policy Act. Comments are also used to determine the overall public interest of the proposed activity. The evaluation of the impact of the activity on the public interest will include application of the guidelines promulgated by the Administrator, Environmental Protection Agency, under the authority of Section 404(b) of the Clean Water Act (40 CFR Part 230).

10. **RESPONSES:** A permit will be granted unless its issuance is found to be contrary to the public interest. Written statements concerning the proposed activity should be received in this office on or before the closing date of this Public Notice in order to become a part of the record and to be considered in the final determination. Any objections which are received during this period may be forwarded to the applicant for possible resolution before the determination is made whether to issue or deny the requested DA Permit. All responses to this notice should be directed to the Regulatory Branch, Attn: Nicole Marisavljevic, at the above address, by telephoning (412) 395-7107, or via e-mail at nicole.marisavljevic@usace.army.mil. Please refer to CELRP-OP-F 2013-381 in all responses.

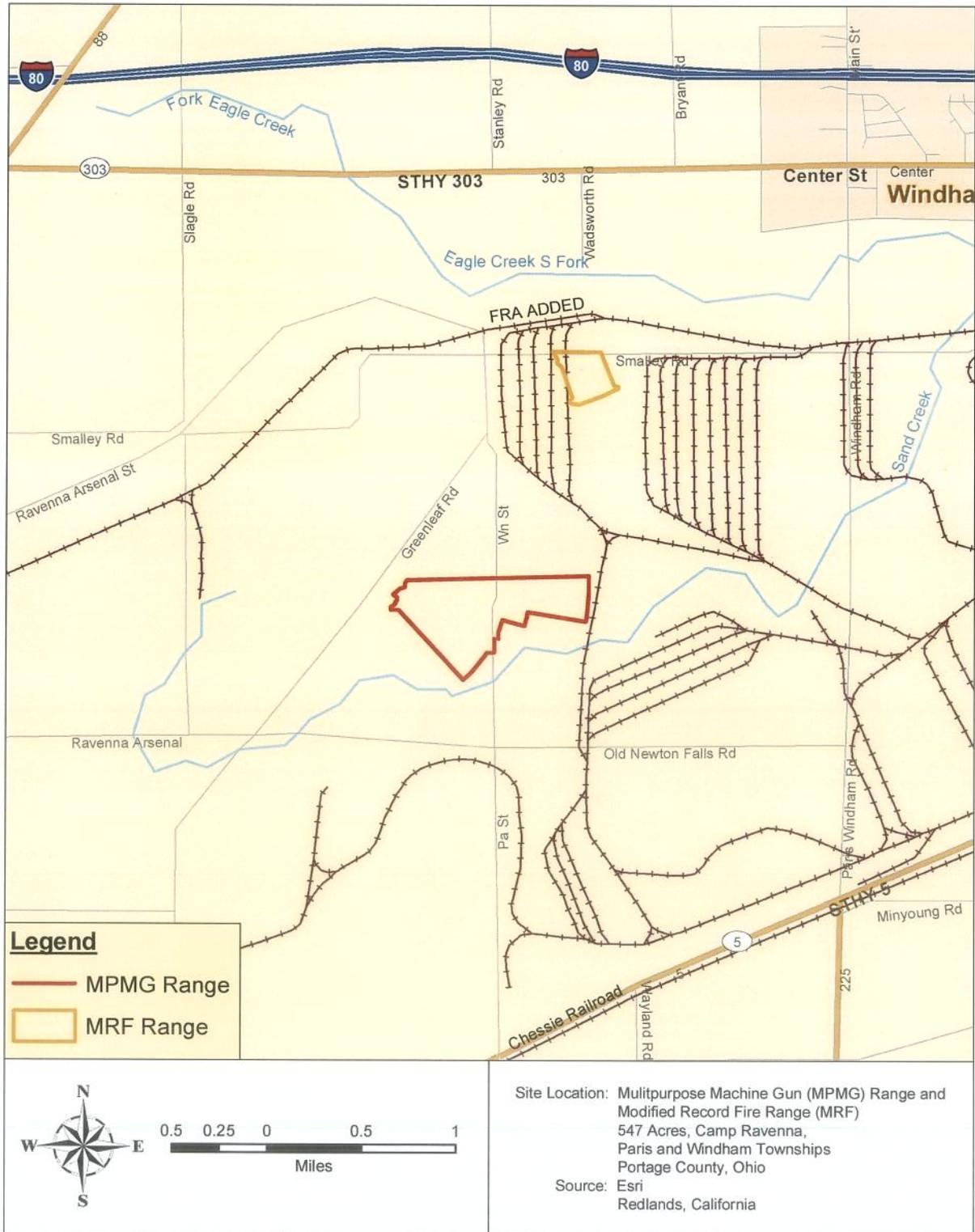
FOR THE DISTRICT ENGINEER:

//SIGNED//

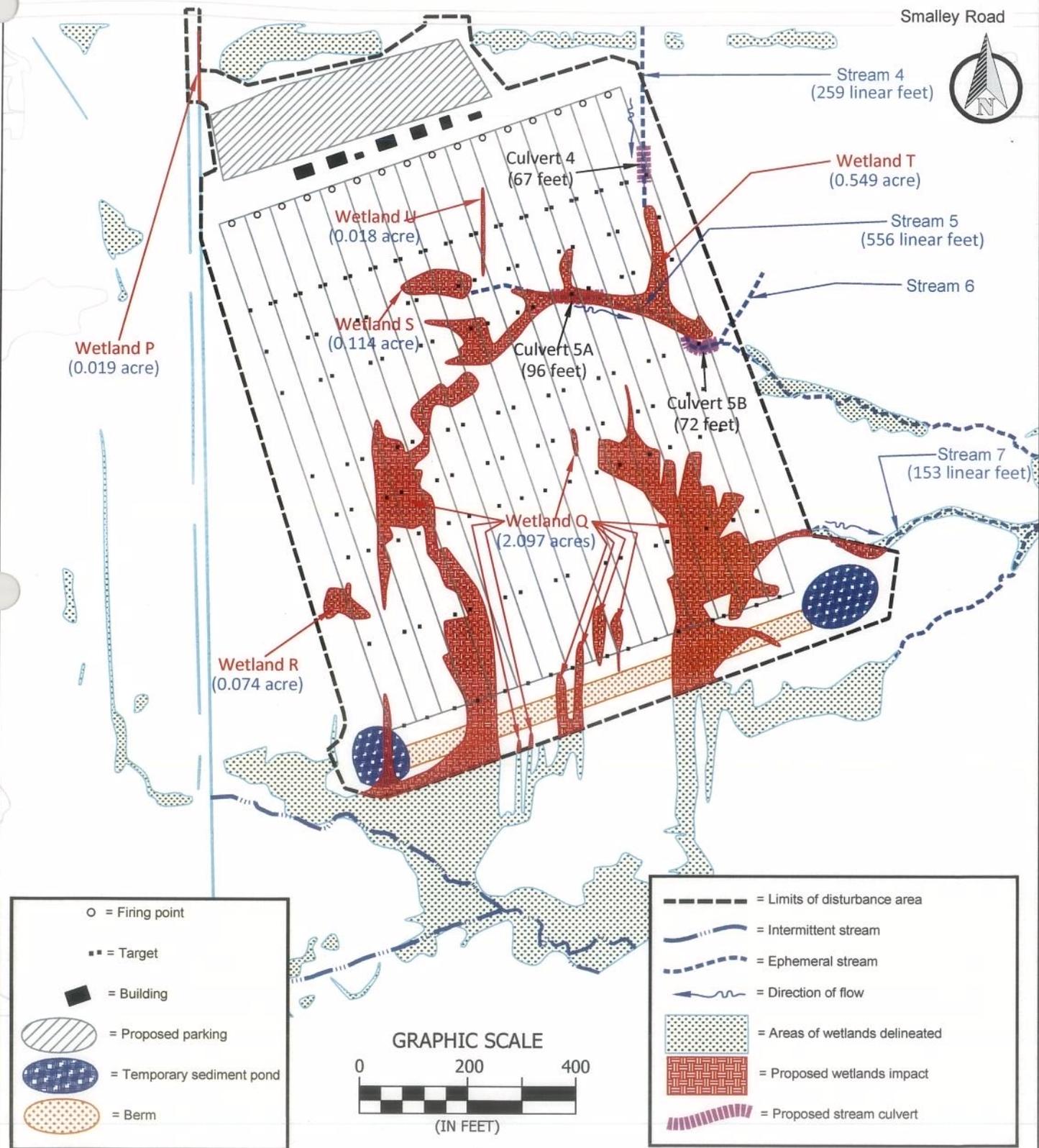
Nancy Mullen
Chief, Northern Section
Regulatory Branch

Appendix B

Location of Project Areas on Highway Map

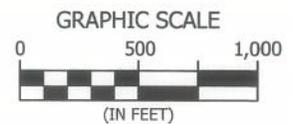
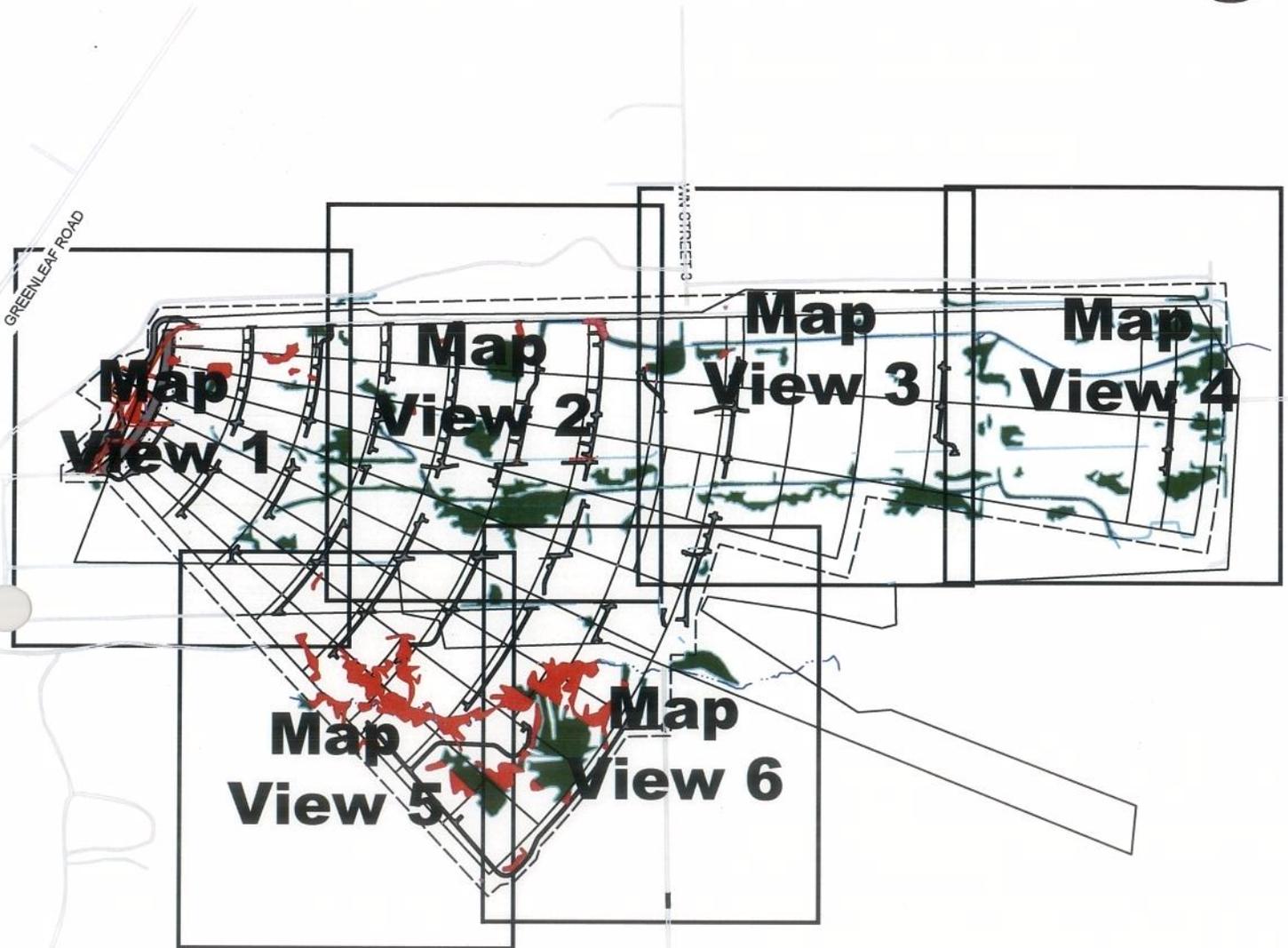


Minimal Degradation Alternative Impacts



Minimal Degradation Alternative Impacts

Map View Locations



Prepared by

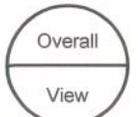


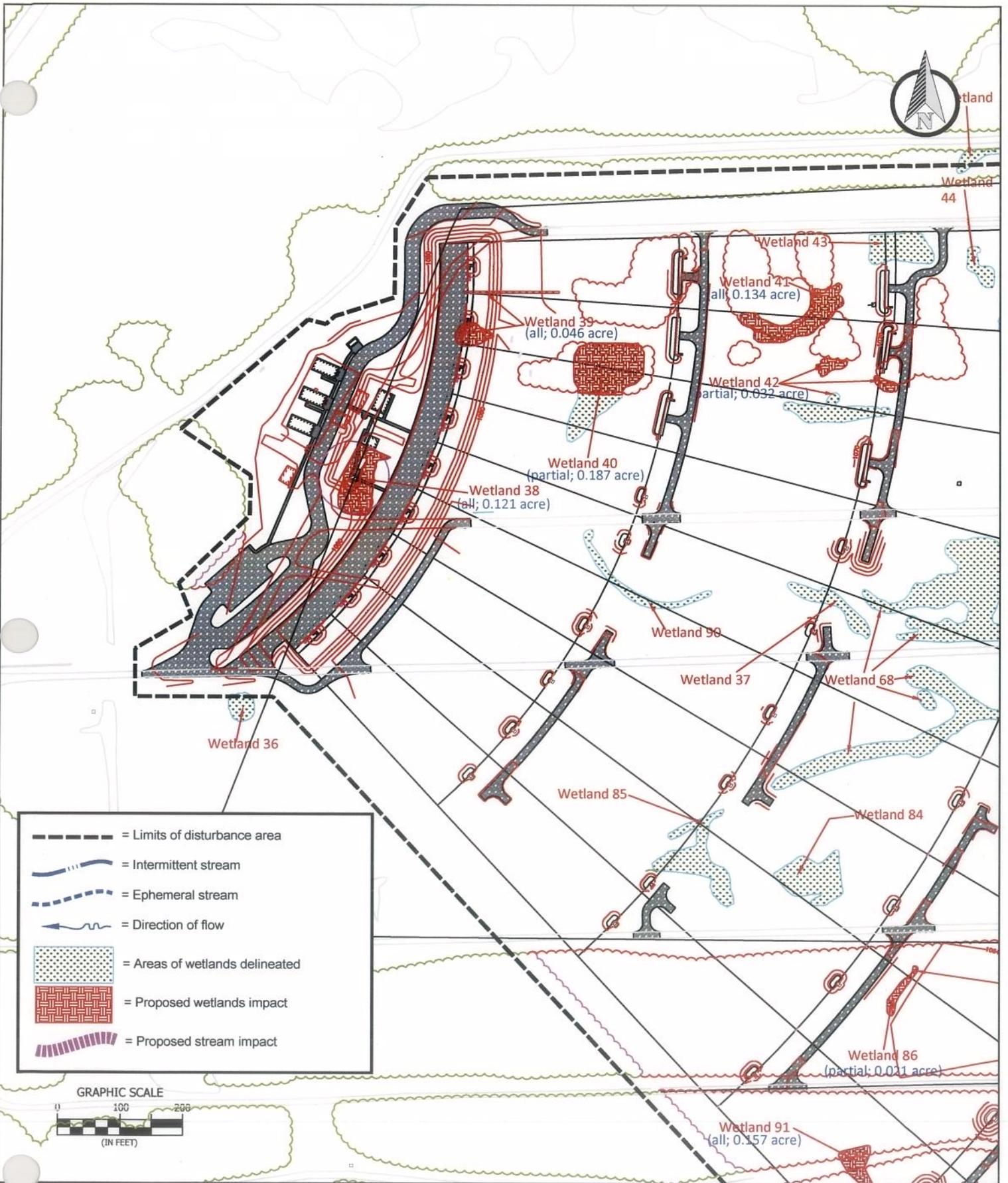
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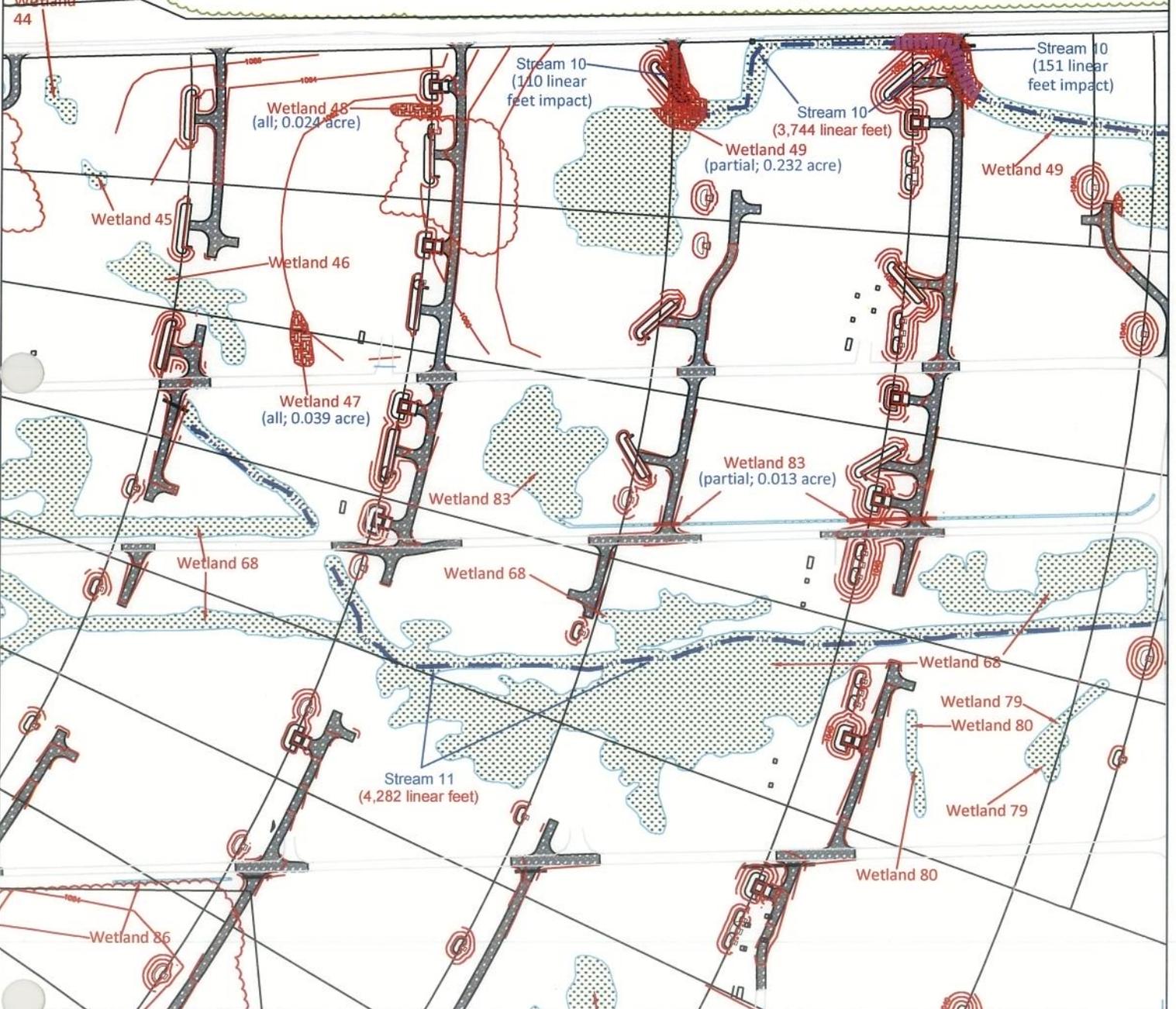
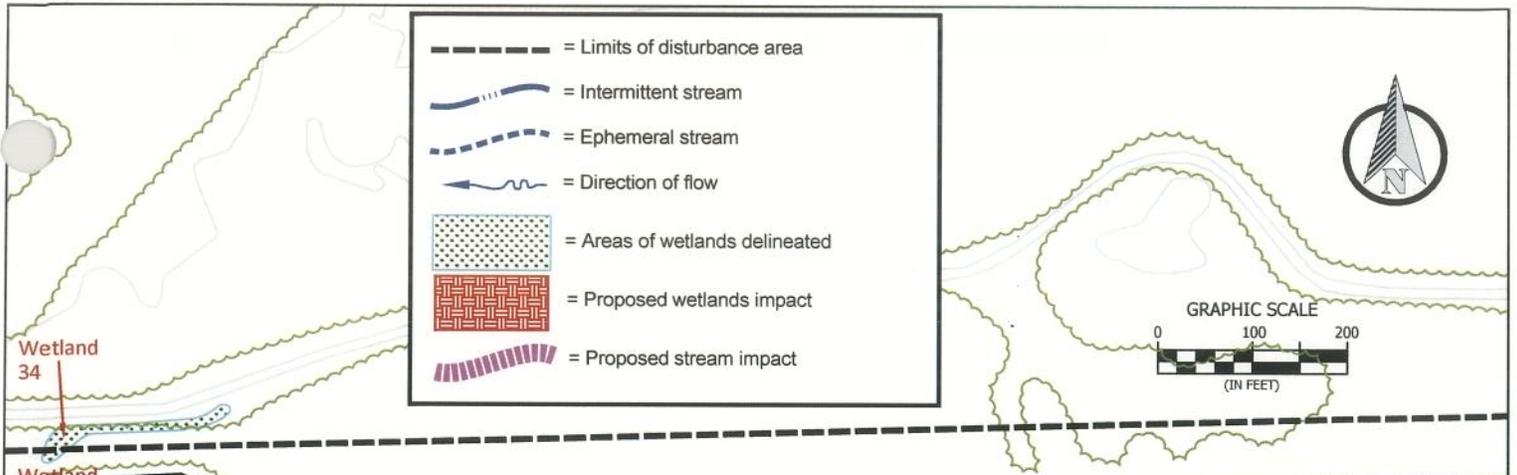
**Camp Ravenna
Joint Military
Training Center**

Multi-Purpose Machine Gun Range
Paris Township
Portage County, Ohio

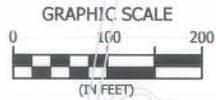
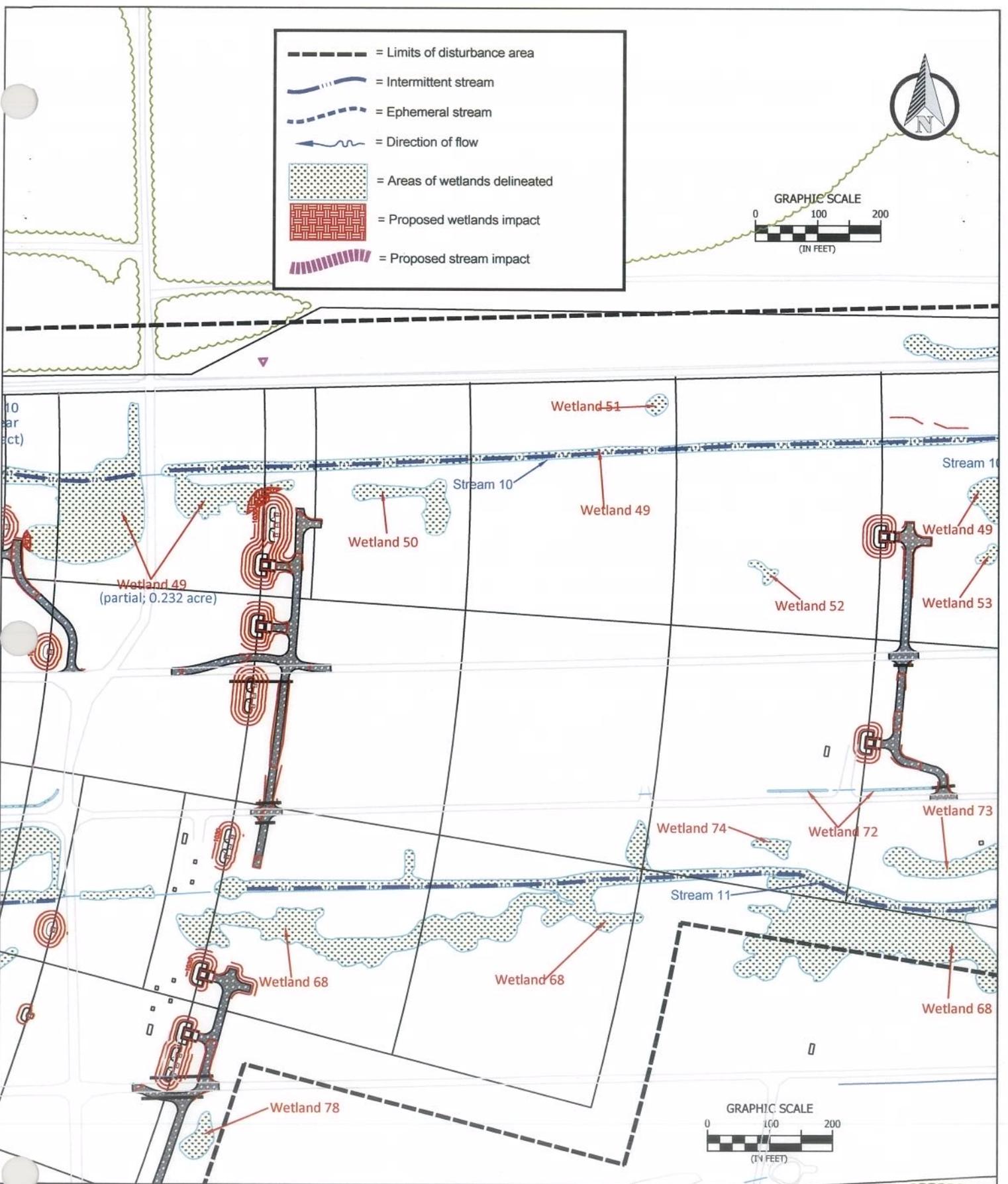
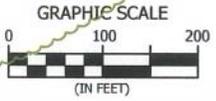
March, 2014

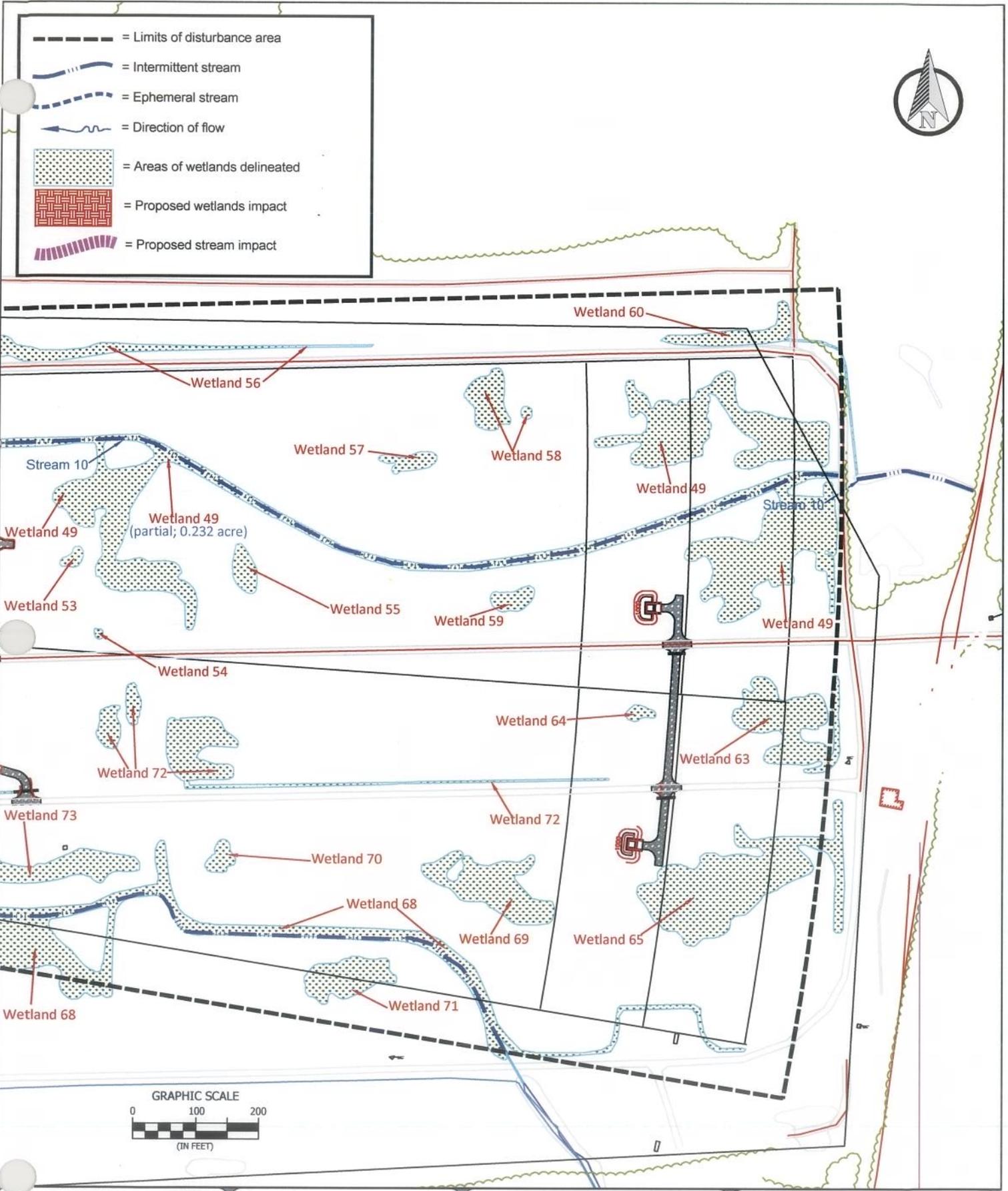


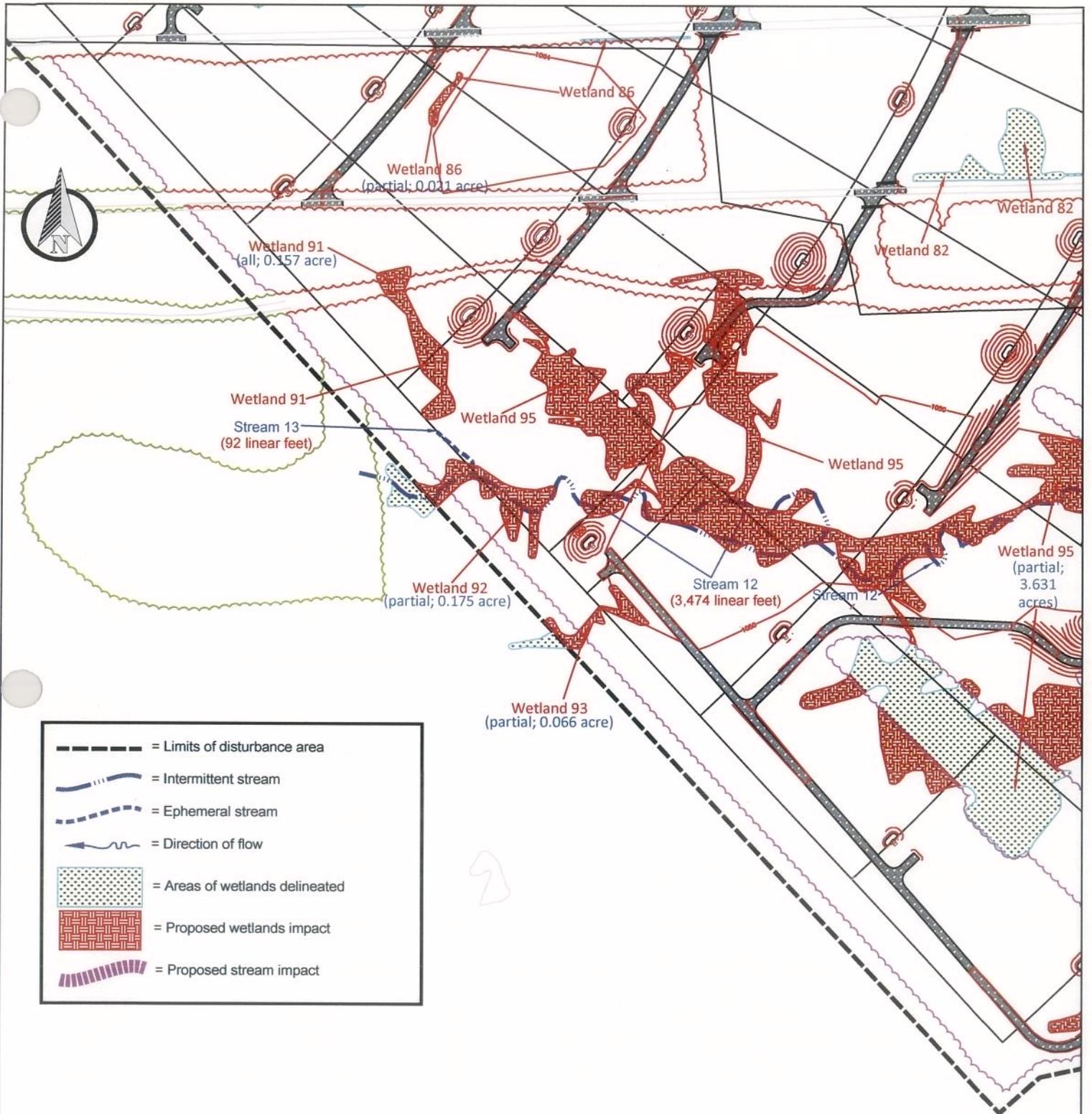


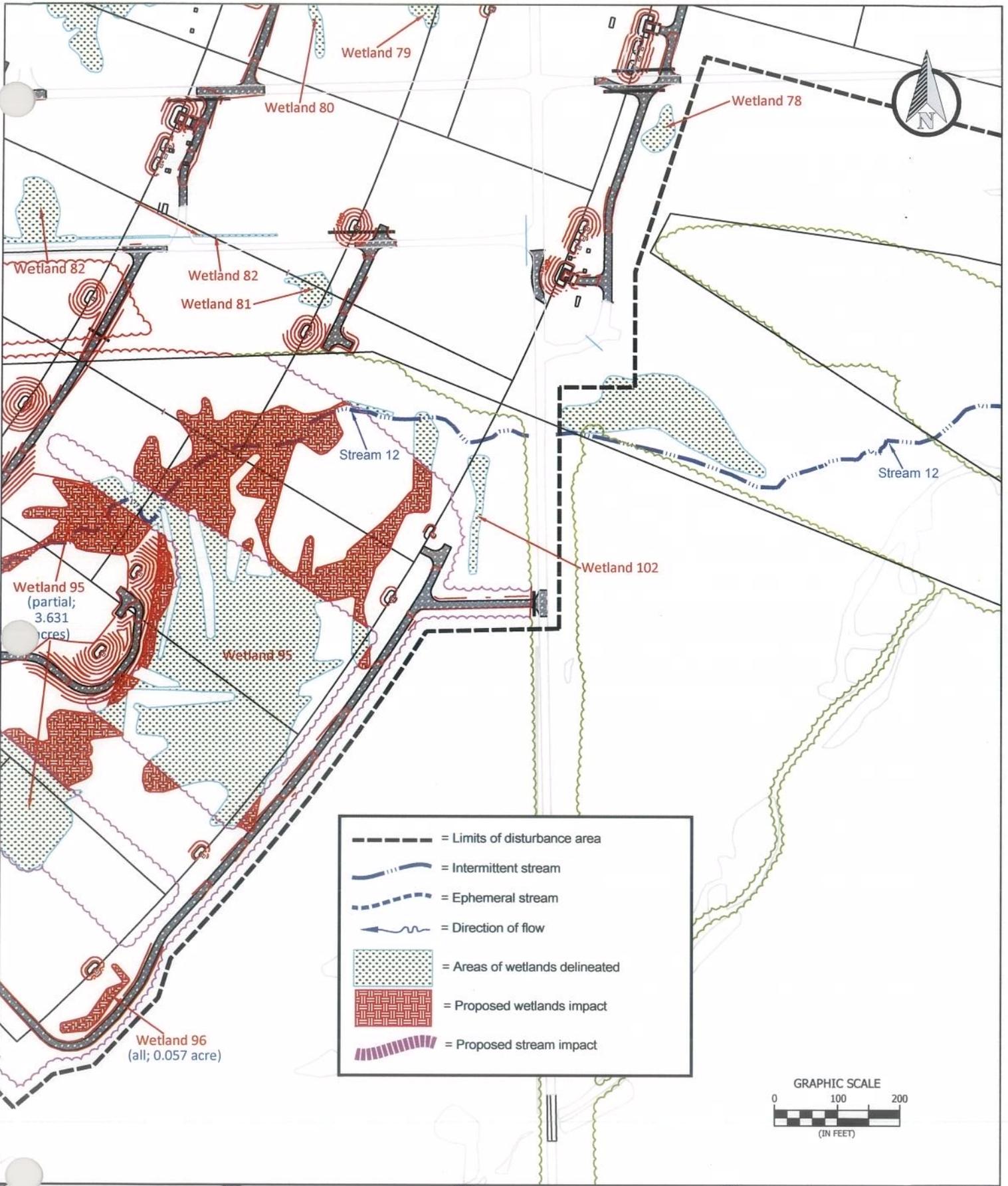


- - - - - = Limits of disturbance area
 ~~~~~ = Intermittent stream  
 - - - - - = Ephemeral stream  
 ~~~~~ = Direction of flow  
 [Dotted pattern] = Areas of wetlands delineated
 [Red hatched pattern] = Proposed wetlands impact
 [Red wavy pattern] = Proposed stream impact









Prepared by



Prepared for

**Camp Ravenna
Joint Military
Training Center**

Multi-Purpose Machine Gun Range
Paris Township
Portage County, Ohio

March, 2014

Map
View 6
of 6

Appendix A

Location of Study Area on Highway Map



Prepared for
USPFO for Ohio
 Tank Farm Mitigation Project
 Route 80, Charlestown Township,
 Portage County, Ohio

Prepared by
DAVEY
 RESOURCE GROUP
 A Division of The Davey Tree Expert Company

Data used to produce this map were collected on May 9 and August 1, 2011

Appendix G
 2011 Year Five Map with
 Vegetation Communities

North Line Road

Route 80 Road

Wetland 3/4 (0.288 acre)

Wetland 6 (0.566 acre*)

VIBI Plot

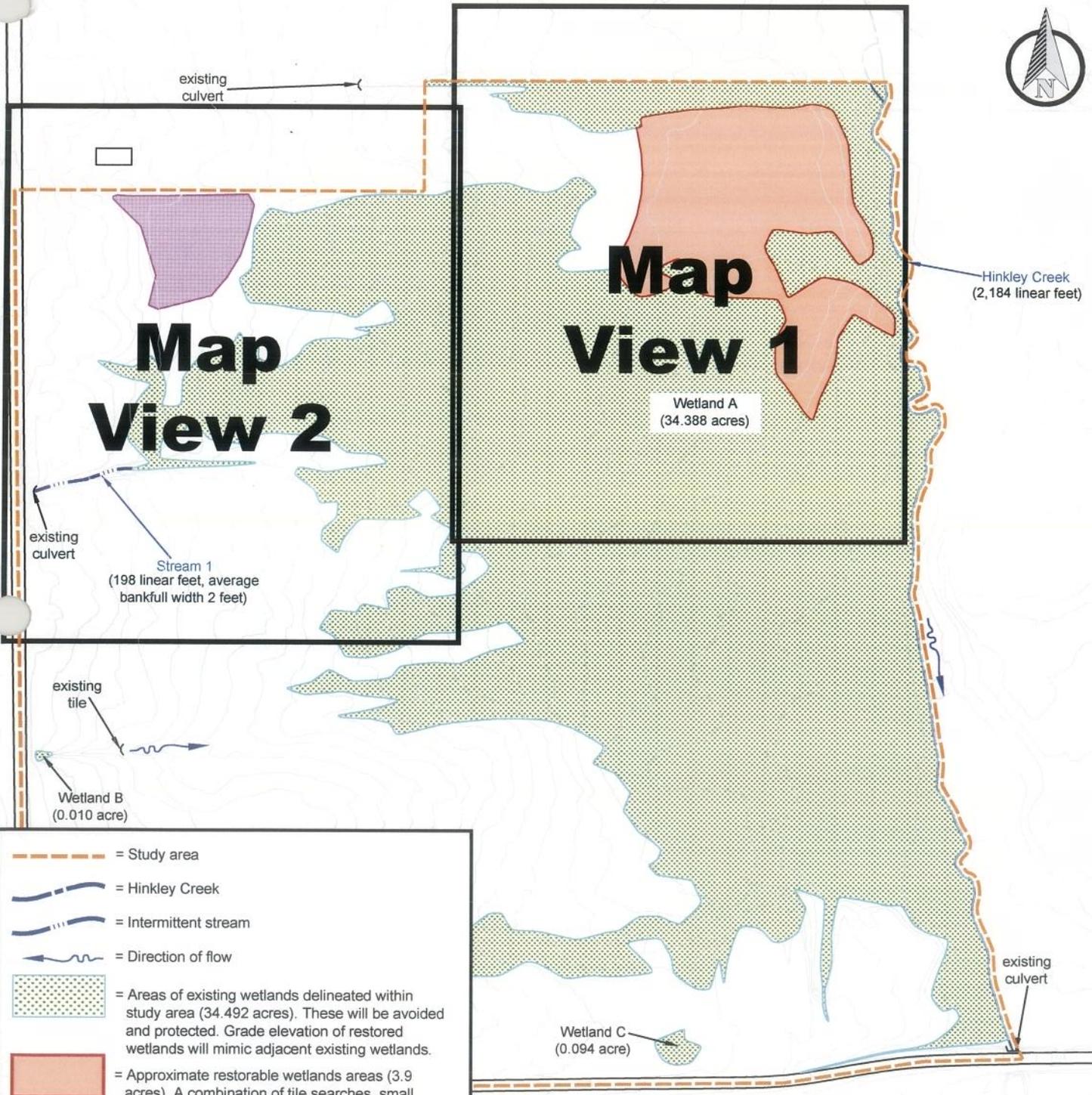
Wetland 2/5/7/8/9 (2.283 acres*)



- = Approximate study area (5.149 acres, expanded in 2008 to accommodate restored wetlands)
- = Upland Old Field (1.914 acres)
- = Shrub Thicket (0.032 acre)
- = Open Water (0.249 acre)
- = Marsh (1.159 acres)
- = Wet Meadow (1.613 acres)
- = Scrub/Shrub Wetlands (0.182 acre)

* Wetland acreage shown excludes those areas mapped as existing wetlands mapped on October 22, 2007

Map View Locations



Map View 2

Map View 1

Wetland A
(34.388 acres)

Hinkley Creek
(2,184 linear feet)

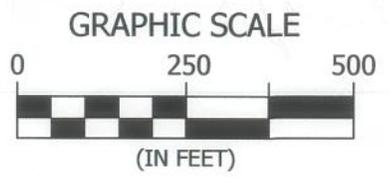
Stream 1
(198 linear feet, average
bankfull width 2 feet)

existing
tile
Wetland B
(0.010 acre)

Wetland C
(0.094 acre)

existing
culvert

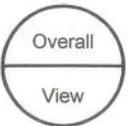
-  = Study area
-  = Hinkley Creek
-  = Intermittent stream
-  = Direction of flow
-  = Areas of existing wetlands delineated within study area (34.492 acres). These will be avoided and protected. Grade elevation of restored wetlands will mimic adjacent existing wetlands.
-  = Approximate restorable wetlands areas (3.9 acres). A combination of tile searches, small berm creation, and excavation will be employed to restore wetlands hydrology in this area.
-  = Approximate proposed spoil area (will be placed in sparsely vegetated upland areas. Actual location(s) will be field determined as directed by Camp Ravenna.

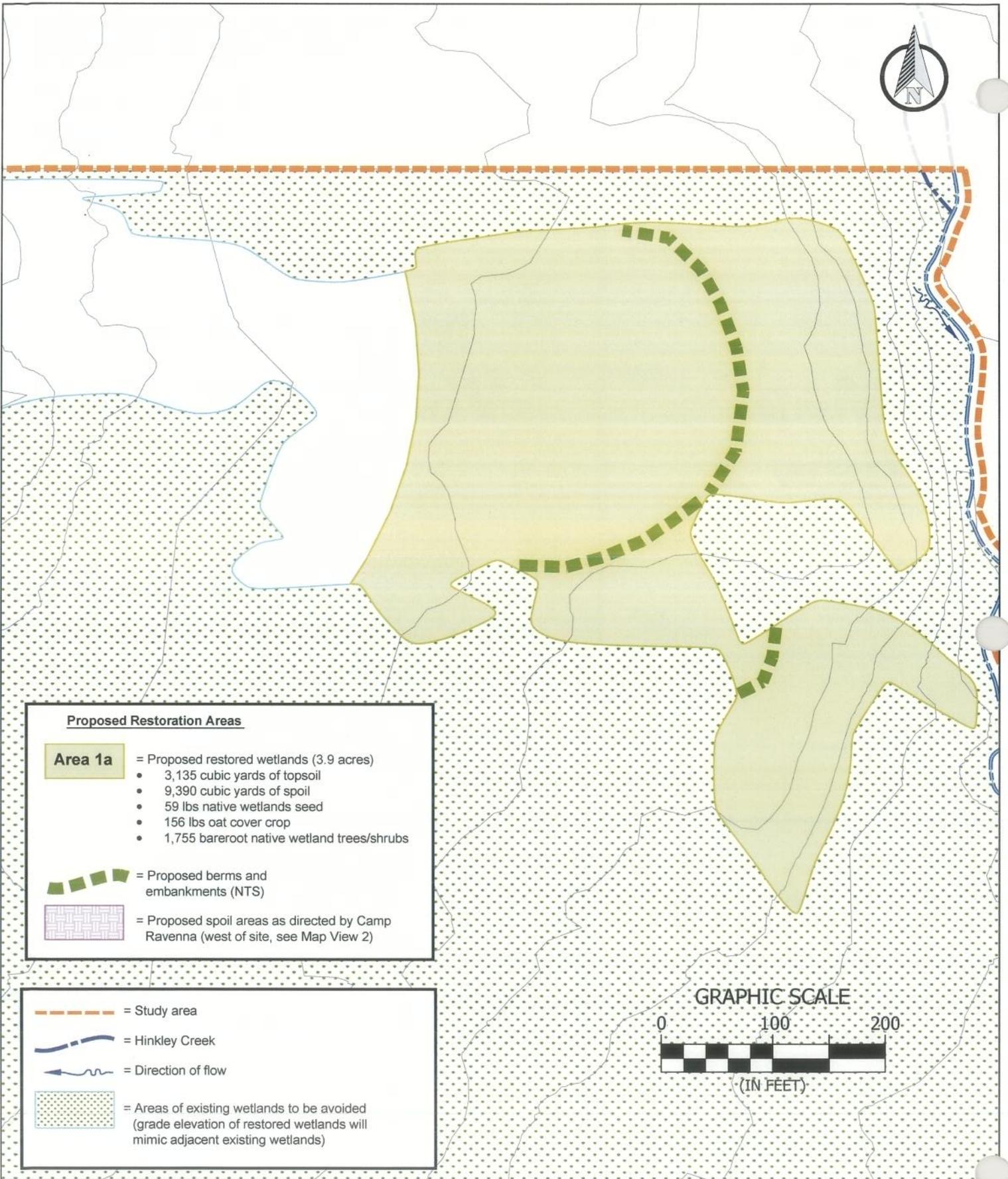


**Camp Ravenna
Joint Military
Training Center**

78.2 Acres, Route 80
Ravenna Training and Logistics Site
Charlestown Township, Portage
County, Ohio

Data used to produce this
map were collected
on May 28, 2013



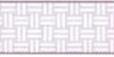


Proposed Restoration Areas

Area 1a = Proposed restored wetlands (3.9 acres)

- 3,135 cubic yards of topsoil
- 9,390 cubic yards of spoil
- 59 lbs native wetlands seed
- 156 lbs oat cover crop
- 1,755 bareroot native wetland trees/shrubs

 = Proposed berms and embankments (NTS)

 = Proposed spoil areas as directed by Camp Ravenna (west of site, see Map View 2)

 = Study area

 = Hinkley Creek

 = Direction of flow

 = Areas of existing wetlands to be avoided (grade elevation of restored wetlands will mimic adjacent existing wetlands)

GRAPHIC SCALE



Map View Locations



Multi-Purpose Machine Gun Range

PA Street 1

Map View 1

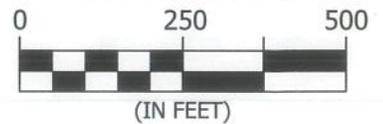
Map View 2

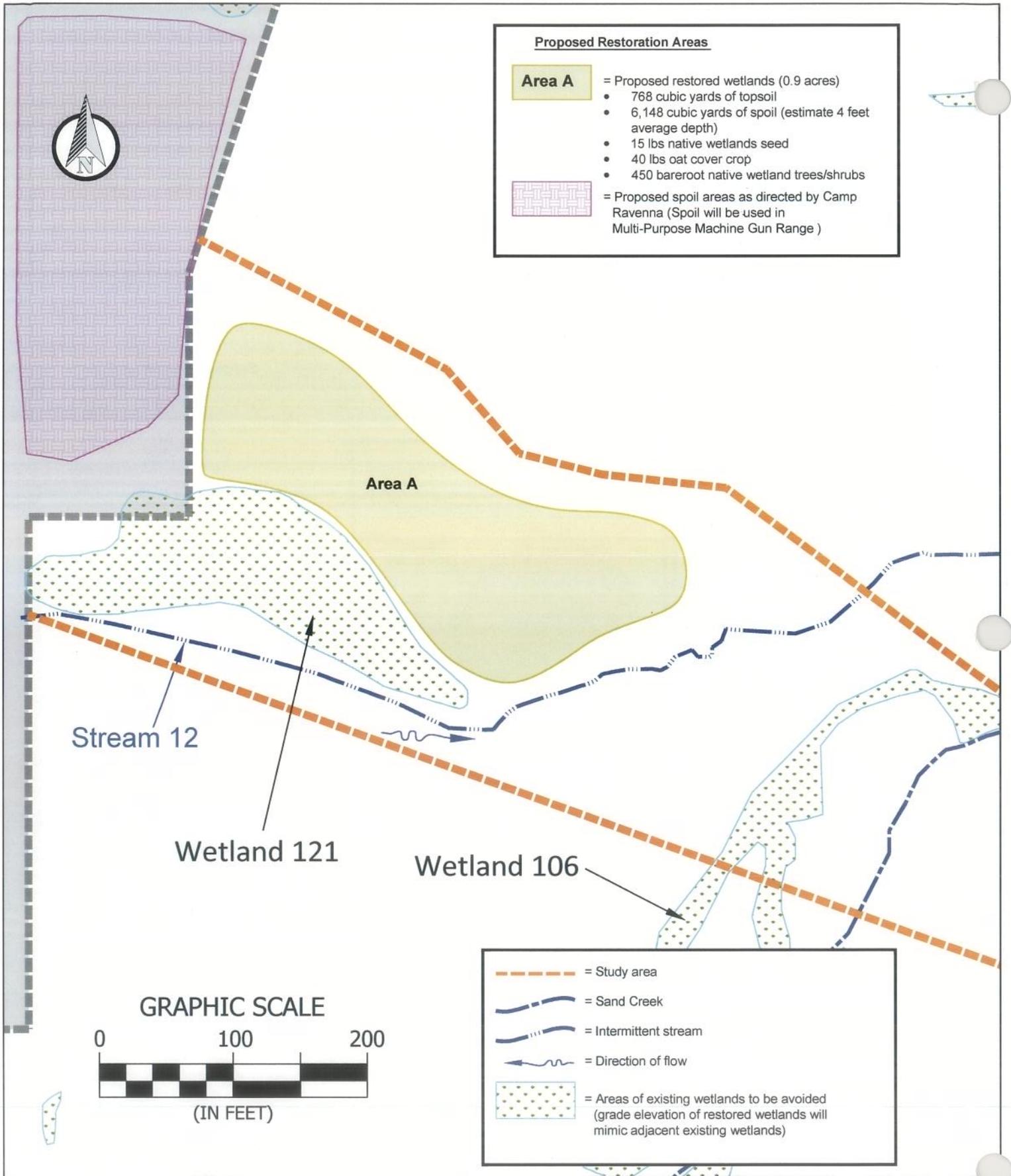
Map View 3

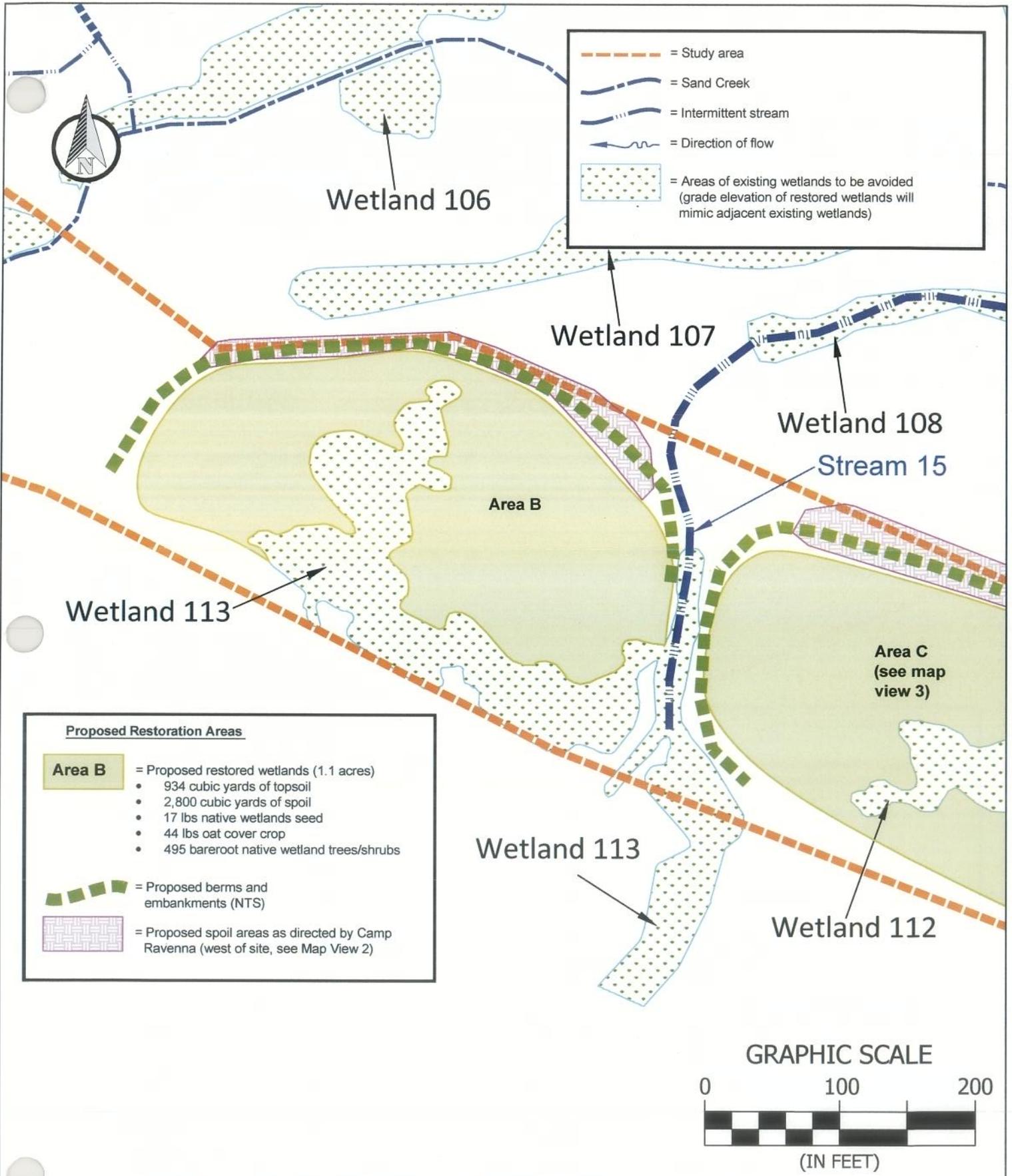
Sand Creek

-  = Project area
-  = Perennial stream (Sand Creek)
-  = Intermittent stream
-  = Direction of flow
-  = Areas of existing wetlands to be avoided (grade elevation of restored wetlands will mimic adjacent existing wetlands)
-  = Approximate restorable wetlands areas (6.1 acres). A combination of small berm creation and excavation will be employed to restore wetlands hydrology in these areas.
-  = Approximate proposed spoil areas (will be placed in sparsely vegetated upland areas. Actual locations will be field determined as directed by Camp Ravenna.

GRAPHIC SCALE









— = Study area
— = Sand Creek
— = Direction of flow
••• = Areas of existing wetlands to be avoided
(grade elevation of restored wetlands will mimic adjacent existing wetlands)

Wetland 110

Wetland 109

Area C

Wetland 111

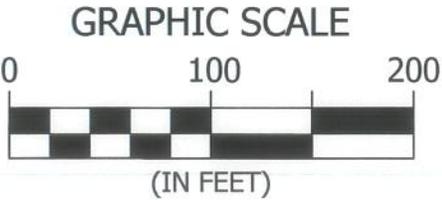
Proposed Restoration Areas

Area C = Proposed restored wetlands (3.9 acres)

- 3,189 cubic yards of topsoil
- 9,565 cubic yards of spoil
- 59 lbs native wetlands seed
- 156 lbs oat cover crop
- 1,755 bareroot native wetland trees/shrubs

■ = Proposed berms and embankments (NTS)

■ = Proposed spoil areas as directed by Camp Ravenna (west of site, see Map View 2)



**Camp Ravenna
Joint Military
Training Center**

Multi-Purpose Machine Gun Range
Paris Township
Portage County, Ohio

February, 2014

CAMP RAVENNA

SOUTH FORK EAGLE CREEK STREAM RESTORATION AND DAM REMOVAL

PARIS TOWNSHIP
PORTAGE COUNTY, STATE OF OHIO

| SHEET | DESCRIPTION |
|-------|---|
| C1 | TITLE SHEET |
| C2 | EXISTING CONDITIONS PLAN |
| C3 | GEOMETRIC PLAN |
| C4 | PLAN |
| C5 | ENLARGED PLAN |
| C6 | ENLARGED PLAN |
| C7 | PROFILE |
| C8 | DETAILS AND SPECIFICATIONS |
| C9 | PLANNING DETAILS AND SPECIFICATIONS |
| C10 | DETAILS AND SPECIFICATIONS |
| C11 | CROSS SECTIONS |
| C12 | CROSS SECTIONS |
| SM1 | STORM WATER POLLUTION PREVENTION PLAN (SWPPP) |
| SM11 | |

| PAV DESCRIPTION | ESTIMATED QUANTITIES | QUANTITY |
|--|----------------------|----------|
| ROCK BIRTLES - TYPE B RIP RAP (CUBIC YARDS) | | |
| ROCK BIRTLES - TYPE D RIP RAP (CUBIC YARDS) | | |
| BERMWAY WEIRS - TYPE B & D RIP RAP (CUBIC YARDS) | | |
| ROCK PAVIOR CHANNEL PROTECTION - TYPE B RIP RAP (CUBIC YARDS) | | |
| SPILL WAY - TYPE D RIP RAP (CUBIC YARDS) | | |
| EDC/AVANTON/EDMANN/ER (CUBIC YARDS) (INCLUDES STRIPPING TOPSOIL) | | |
| SEE SHEET SM1 FOR STREAM WHITTLE, SEEDING, AND JUTE MATTING QUANTITIES | | |
| | | |
| | | |
| | | |

OLUP'S DESIGN TICKET NO.:

TRAVIS G. CRANE, P.E. NO. E-84093

DATE

