Public Notice

Applicant: Lake County Board of Commissioners

Published: June 14, 2016
Expires: July 14, 2016

U.S. Army Corps of Engineers
Buffalo District
CELRB-TD-R

Application No: 2015-00350
Section: OH

All written comments should reference the above Application No. and be addressed to:
US Army Corps of Engineers, Buffalo District
Regulatory Branch (Attn:) Peter Krakowiak
1776 Niagara Street
Buffalo, NY 14207

THE PURPOSE OF THIS PUBLIC NOTICE IS TO SOLICIT COMMENTS FROM THE PUBLIC REGARDING THE WORK DESCRIBED BELOW. NO DECISION HAS BEEN MADE AS TO WHETHER OR NOT A PERMIT WILL BE ISSUED AT THIS TIME.

Application for Permit under Authority of Section 10 of the Rivers and Harbors Act of 1899 and Section 404 of the Clean Water Act (33 U.S.C. 1344).

APPLICANT: Lake County Board of Commissioners

WATERWAY & LOCATION: Mentor Marsh in the City of Mentor, Lake County, Ohio

LATITUDE & LONGITUDE: Latitude North: 41.72818
Longitude West: -81.32561

EXISTING CONDITIONS: The majority of project area is freshwater marsh dominated by *Phragmites australis* with areas of forested wetland, second-growth upland forest, and an existing sanitary sewer line.

Description of delineation of waters of the US, if applicable: See PJD dated September 24, 2015

PROPOSED WORK: To discharge fill within 1.87 acres of federal wetlands (1.47 acres of emergent wetlands and 0.4 acre of forested wetlands) in association with the replacement of 4,313 linear feet of existing sanitary interceptor sewer with new 30" Ductile Iron Pipe sanitary sewer and related structures, such as manholes. The majority of the new sewer line will be

constructed immediately adjacent to the existing sewer line or within the same approximate alignment of the existing line. Approximately, 4,266 linear feet of existing sewer line will be removed. The new sewer line will be enclosed within an earthen embankment and capped by a surface access road with a normal width of 13 feet. Subsurface pilings will be installed directly under the new sewer line in order to avoid settlement and extend the useful life of the sewer line. Within Marsh Canal, approximately 698 linear feet of the new sewer line will be aerial with access road turnarounds at each end (85 foot width for each turnaround). The existing line will be removed from this area and common reed and deposited sediment will be dredged to improve the flow within the canal. Additionally 6 existing, failing culverts will be replaced.

PROJECT PURPOSE
Basic: Pipeline replacement
Overall: Replacement of the existing sanitary sewer line that traverses Mentor Marsh in the City of Mentor, Lake County, Ohio

Water Dependency Determination *(describe only if project affecting Special Aquatic Site)*: The proposed project is not a water dependent activity. Therefore, it is presumed that practicable alternatives exist that are less environmentally damaging. It is the applicant's responsibility to demonstrate that there are no alternate sites that are less environmentally damaging that would allow the applicant to accomplish their project purpose.

AVOIDANCE AND MINIMIZATION INFORMATION: Multiple alternatives were explored, such as routing the sewer line around the marsh perimeter, placing it on pilings within the marsh, or boring it under the marsh. These alternatives were determined to be inferior or have little environmental benefit according to the applicant. To minimize impacts, the applicant has located the new sewer line adjacent or within the same footprint as the existing sewer line, replacing the existing embankment culverts with larger pile-supported units to prevent sinking/plugging, constructing an aerial portion to improve hydrology within the Marsh Canal section, and constructing the access road on top of the embankment to improve maintenance, and emergency response capabilities.

PROPOSED MITIGATION: The proposed compensatory mitigation includes the protection and enhancement of 21.5 acres of land, including 17.75 acres of Mentor Marsh wetlands that have been heavily degraded by invasive species (see Sheets 16 and 17 of 17)

Location and details of the above described work are shown on the attached maps and drawings.

Comments or questions pertaining to the work described in this notice should be reference the Application Number and be directed to the attention of Peter Krakowiak, who can be contacted at the above address, by calling (716) 879-4363, or by e-mail at: Peter.j.krakowiak@usace.army.mil. A lack of response will be interpreted as meaning that there is no objection to the work as proposed.

The applicant has certified that the proposed activity complies with Ohio's approved Coastal Zone Management Program and will be conducted in a manner consistent with that program.

Any comments on the consistency of the proposed activity with Ohio's Coastal Zone Management Program should be forwarded to:

Mr. John Kessler
Ohio Department of Natural Resources
Office of Real Estate
2045 Morse Rd.
Columbus, OH 43229-6605
phone: 614-265-6621
email: john.kessler@dnr.state.oh.us

The following authorization is required for this project:

Water Quality Certification (or waiver thereof) from the Ohio Environmental Protection Agency

Based on preliminary findings, there do not appear to be any properties listed in, or eligible for listing in, the National Register of Historic Places within the permit area as shown on Sheets 3 and 4 of 17. Therefore, the Corps has determined that the proposed project will have no effect on historic properties. This notice constitutes initiation of consultation with the Ohio Historic Preservation Office (SHPO) per Section 106 of the National Historic Preservation Act. All currently available historic resource information pertaining to this proposed project if any has been provided to the SHPO. Additional information concerning historic properties should be submitted to the Corps before the end of the comment period of this notice. The Corps will forward that information to the SHPO for their review.

Pursuant to Section 7 of the Endangered Species Act (16 U.S.C. 1531), the Corps of Engineers is consulting, under separate cover, with the USFWS to evaluate any potential impacts to: Indiana bat (*Myotis sodalis*), northern long-eared bat (*Myotis septentrionalis*), Kirtland's warbler (*Setophaga kirtlandii*), piping plover (*Charadrius melodus*), snuffbox (*Epioblasma triquetra*)and rufa red knot (*Calidris canutus rufa*) and to ensure that the proposed activity is not likely to jeopardize their continued existence or result in the destruction or adverse modification of critical habitat.

This notice is promulgated in accordance with Title 33, Code of Federal Regulations, parts 320-330. Any interested party desiring to comment on the work described herein may do so by submitting their comments, in writing, so that they are received no later than 4:30 pm on the expiration date of this notice.

Comments submitted in response to this notice will be fully considered during the public interest review for this permit application. All written comments will be made a part of the administrative record which is available to the public under the Freedom of Information Act. The Administrative Record, or portions thereof may also be posted on a Corps of Engineers internet web site. Due to resource limitations, this office will normally not acknowledge the receipt of comments or respond to individual letters of comment.

Any individual may request a public hearing by submitting their written request, stating the specific reasons for holding a hearing, in the same manner and time period as other comments.

Public hearings for the purposes of the Corps permit program will be held when the District Commander determines he can obtain additional information, not available in written comments, that will aid him in the decision making process for this application. A Corps hearing is not a source of information for the general public, nor a forum for the resolution of issues or conflicting points of view (witnesses are not sworn and cross examination is prohibited). Hearings will not be held to obtain information on issues unrelated to the work requiring a permit, such as property ownership, neighbor disputes, or the behavior or actions of the public or applicant on upland property not regulated by the Department of the Army. Information obtained from a public hearing is given no greater weight than that obtained from written comments. Therefore, you should not fail to make timely written comments because a hearing might be held.

The decision to approve or deny this permit request 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 benefits which reasonably may be expected to accrue from the proposal 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 these 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.

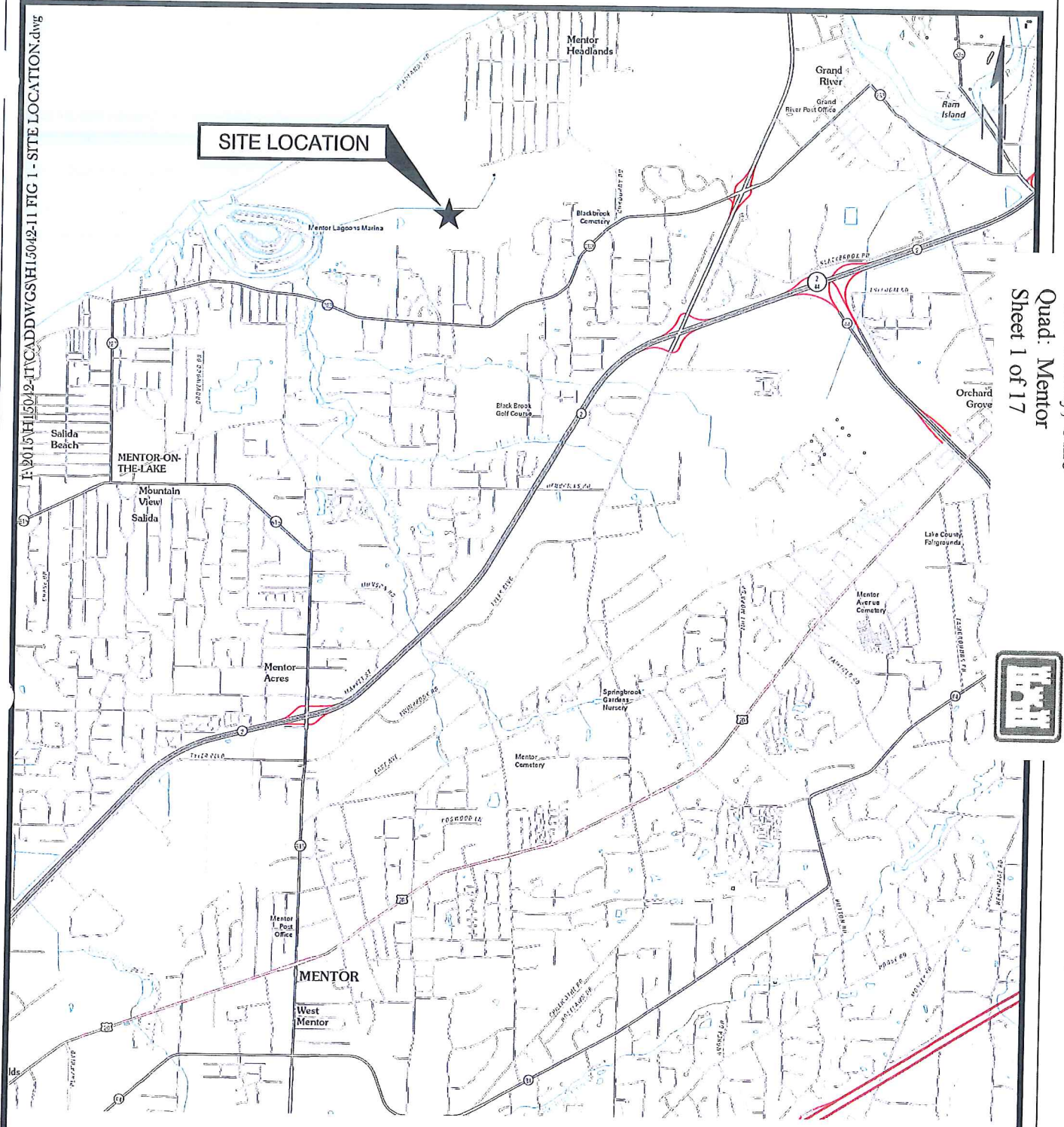
The Corps of Engineers is soliciting comments from the public; Federal, state and local agencies and officials; Indian Tribes; and other interested parties in order to consider and evaluate the impacts of this proposed activity. Any comments received will be considered by the Corps of Engineers to determine 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 need for a public hearing and to determine the overall public interest of the proposed activity.

SIGNED

Diane C. Kozlowski
Chief, Regulatory Branch

NOTICE TO POSTMASTER: It is requested that this notice be posted continuously and conspicuously for 30 days from the date of issuance.

Lake County Board of Commissioners - Mentor
D/A Processing No. 2015-00350
Lake County, Ohio
Quad: Mentor
Sheet 1 of 17



Scale: 1" = 4,000'

0 4,000 8,000

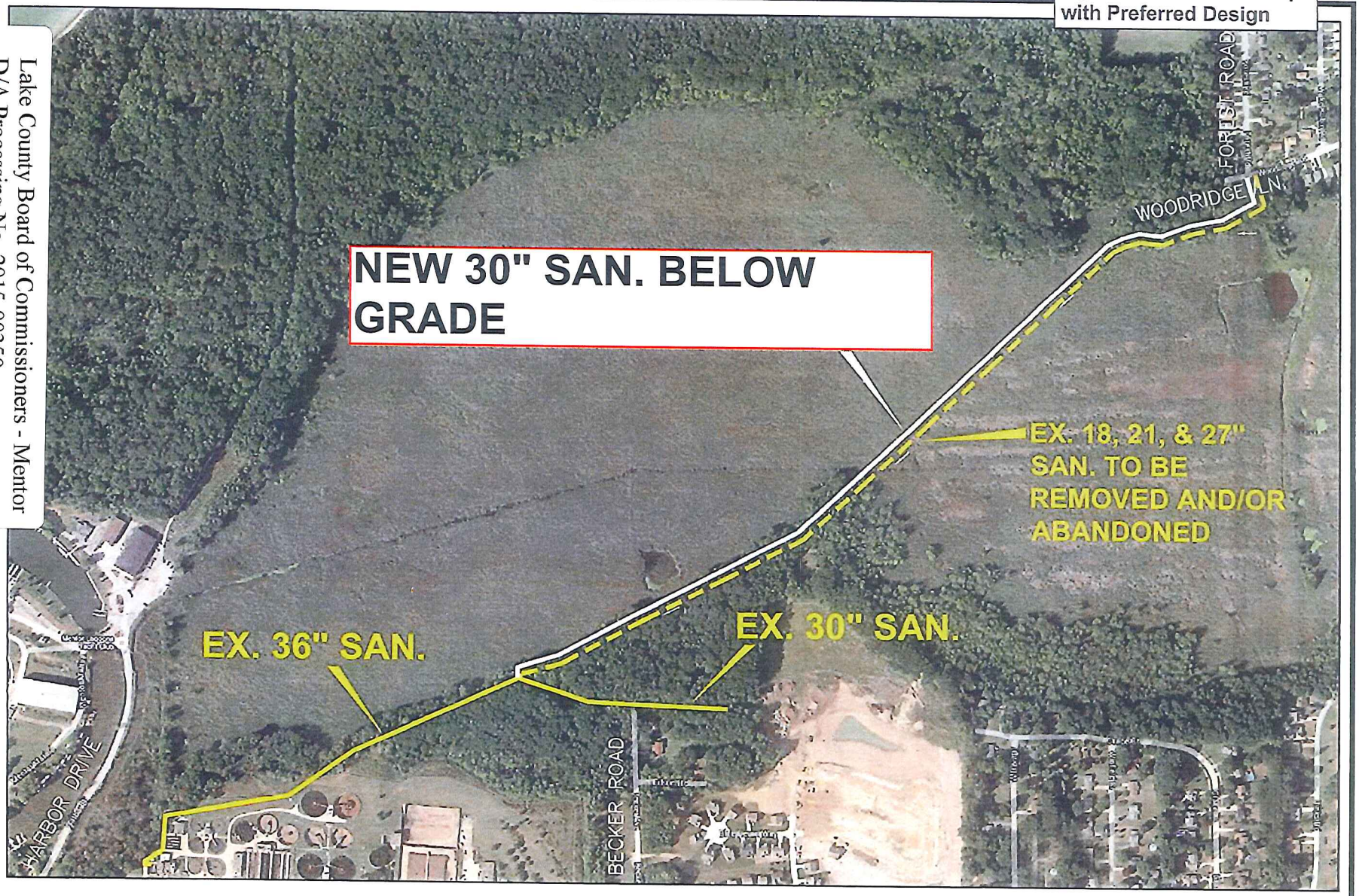
HZW ENVIRONMENTAL CONSULTANTS, LLC
6105 Heisley Road, Mentor, Ohio 44060
Phone: (440) 357-1260 ◆ Fax: (440) 357-1510

FIGURE 1
SITE LOCATION MAP
SANITARY INTERCEPTOR STUDY AREA
CITY OF MENTOR, LAKE COUNTY, OHIO

I:\2015\H15042-11\CADDWGS\H15042-11 FIG 1 - SITE LOCATION.dwg

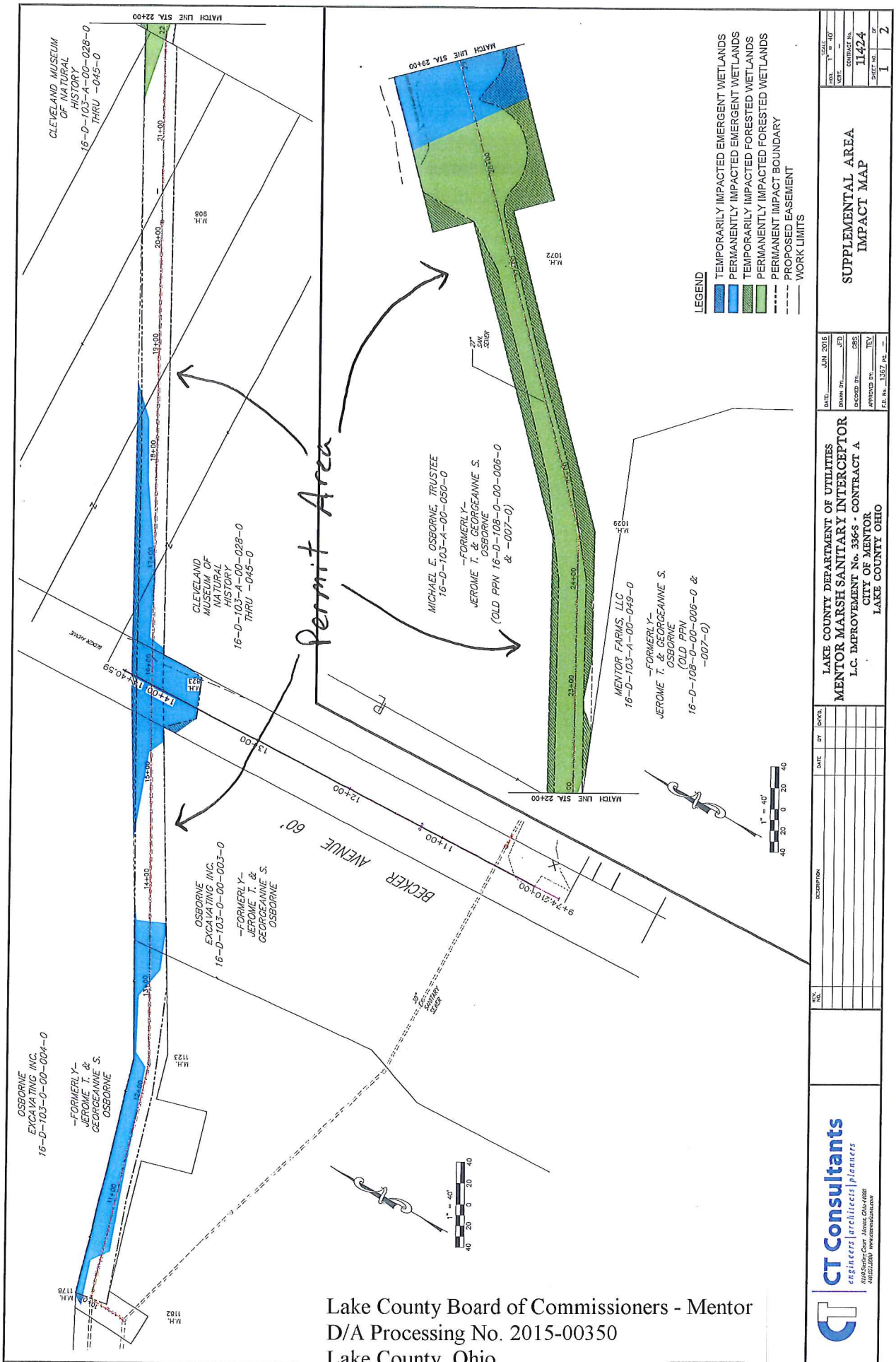
Mentor Marsh Sanitary Interceptor Project, Lake County
Improvement No. 336-S

Figure 2 - Aerial Site Map with Preferred Design



PREFERRED DESIGN

Lake County Board of Commissioners - Mentor
D/A Processing No. 2015-00350
Lake County, Ohio
Quad: Mentor
Sheet 2 of 17



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D/A Processing No. 2015-00350
Lake County, Ohio
Quad: Mentor
Sheet 3 of 17

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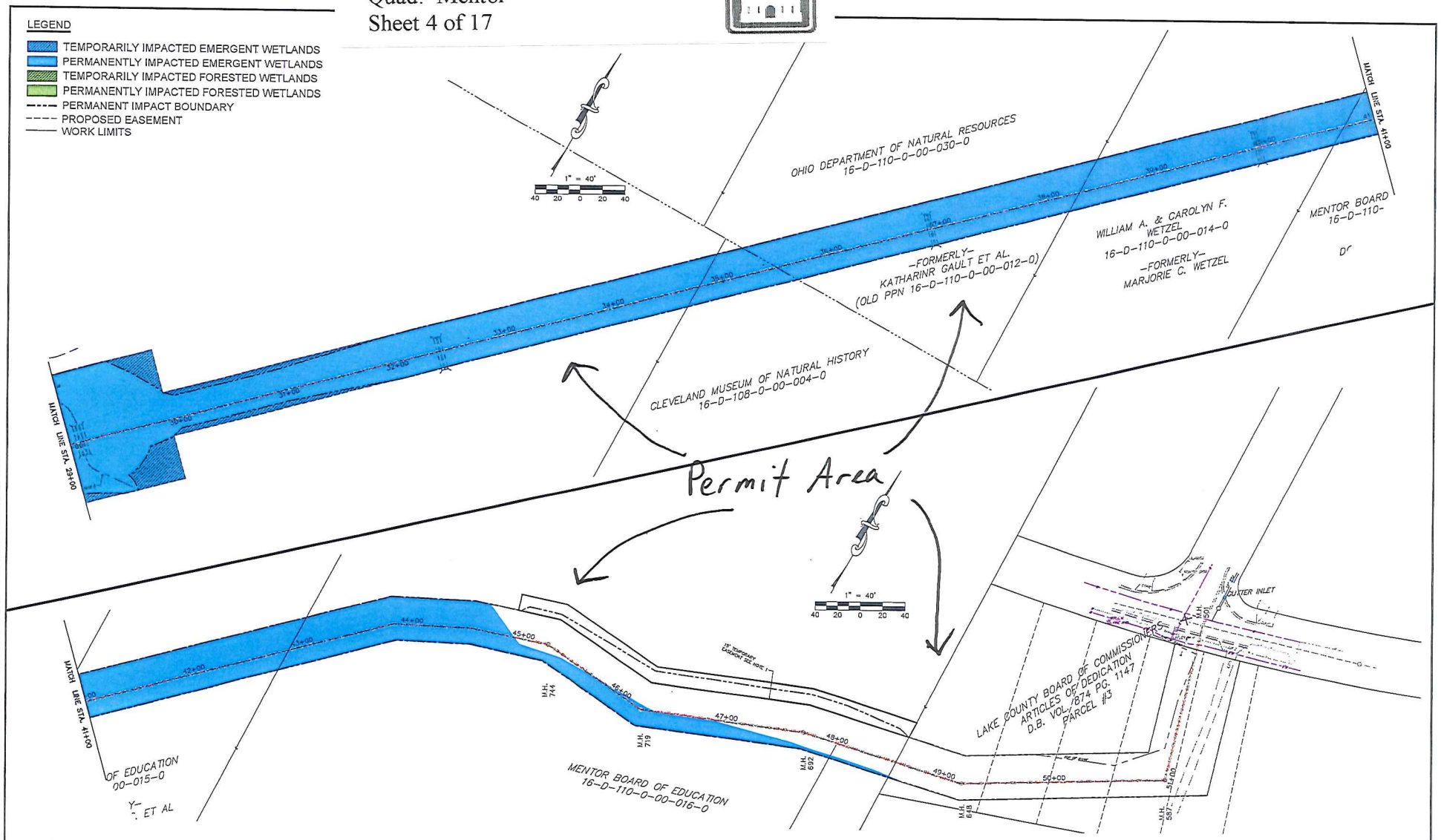
D/A Processing No. 2015-00350
Lake County, Ohio
Quad: Mentor
Sheet 4 of 17



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REV. NO.	DESCRIPTION	DATE	BY	CH'K'D.

LAKE COUNTY DEPARTMENT OF UTILITIES
MENTOR MARSH SANITARY INTERCEPTOR
L.C. IMPROVEMENT No. 336-S - CONTRACT A
CITY OF MENTOR
LAKE COUNTY OHIO

DATE: JUN 2015
DRAWN BY: JFD
CHECKED BY: CBS
APPROVED BY: TEV
F.D. No. 1367 PG. —

SUPPLEMENTAL AREA IMPACT MAP

SCALE
HOR. 1" = 40'
VERT. —
CONTRACT No. 11424
SHEET NO. 2 OF 2

Copyright — Jun 10, 2015 - 3:55pm CT Consultants, Inc
Drawing name: H:\2011\11424\DWG\CONTRACT A\11424SL Contract A (C-3) 2014) NEW.dwg Layout: Impact Map 2x (2) by: dnixon

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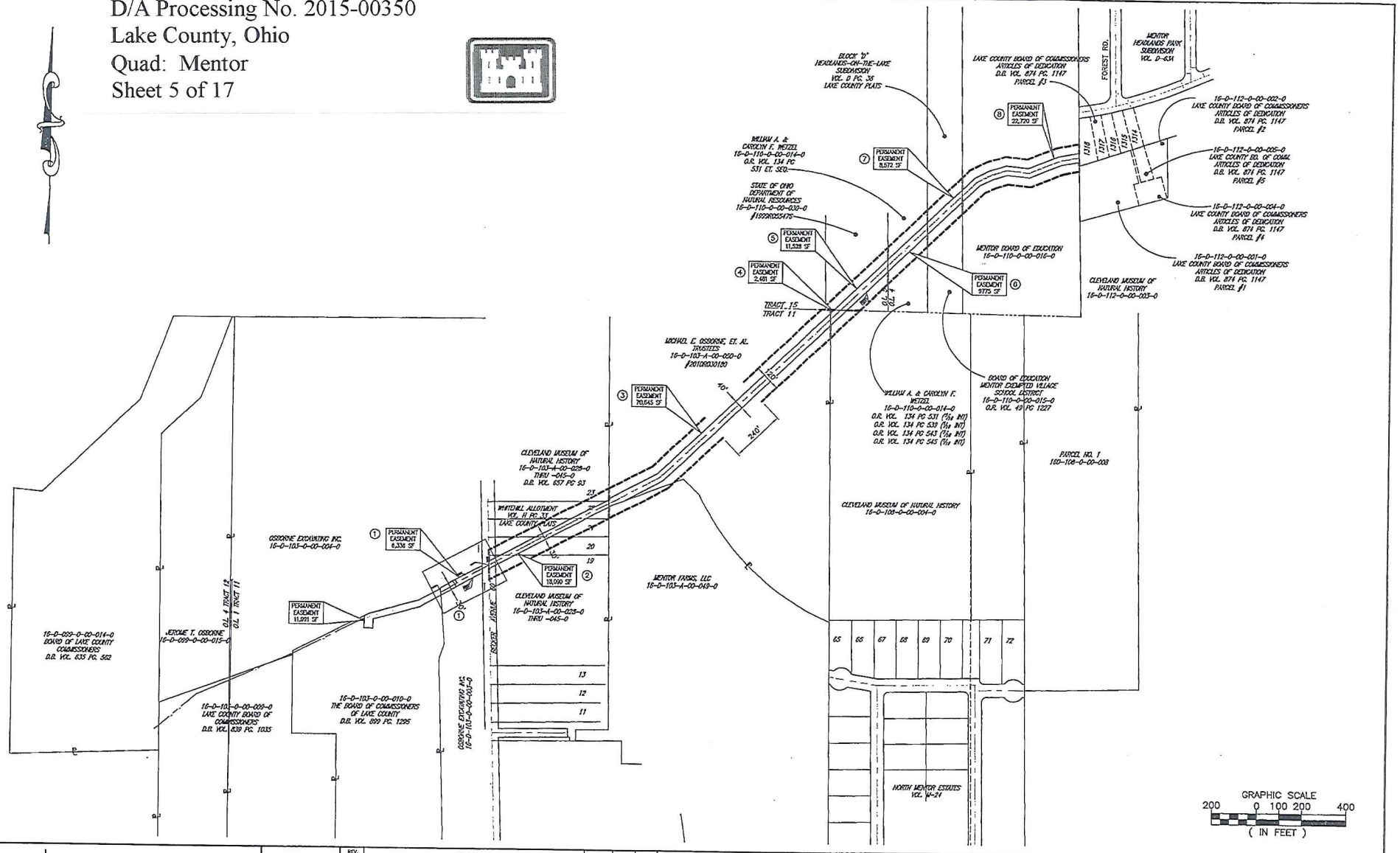
D/A Processing No. 2015-00350
Lake County, Ohio
Quad: Mentor
Sheet 5 of 17



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Drawing name: R:\2011\1142A\OHIO\CONTRACT B\SURVEY CONTROL CONTRACT B.dwg Layout: SURVEY CONTROL by: donson

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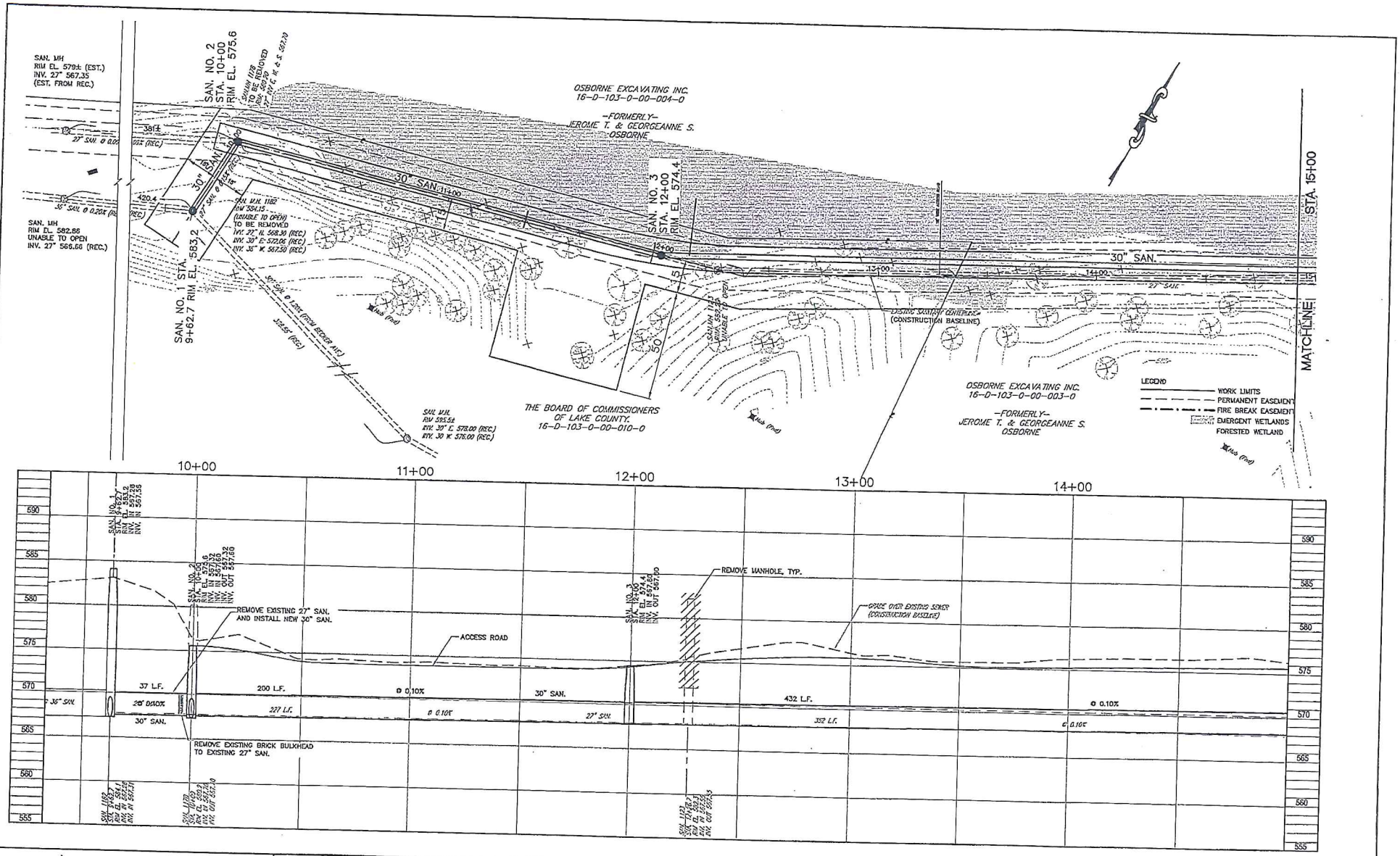
LAKE COUNTY DEPARTMENT OF UTILITIES
MENTOR MARSH SANITARY INTERCEPTOR
L.C. IMPROVEMENT No. 336-S - CONTRACT B
CITY OF MENTOR
LAKE COUNTY, OHIO

DATE: APR. 2016
DRAWN BY: --
CHECKED BY: --
APPROVED BY: --
F.B. No. 1367 PG. --

SURVEY CONTROL

SCALE: HOR. 1" = 20' VERT.
CONTRACT No. 11424
SHEET NO. 4 OF 15



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L.C. IMPROVEMENT No. 336-S ε CONTRACT B
CITY OF MENTOR
LAKE COUNTY OHIO

DATE: APR. 2016
DRAWN BY: JFD
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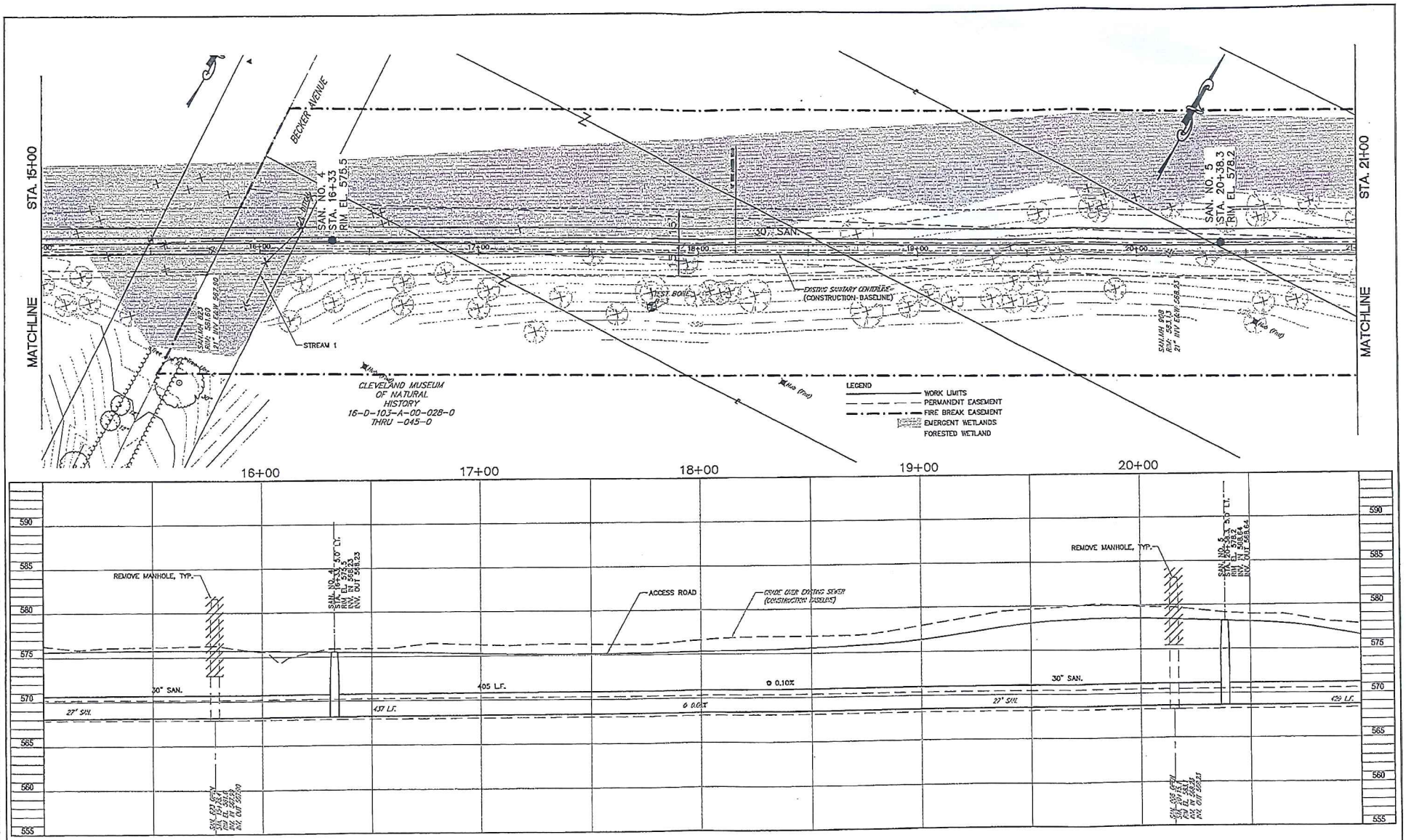
APPROVED BY: TEV
F.B. No. 1367 PG. —

PLAN & PROFILE
STA. 9+66 TO STA. 15+00

SCALE
HOR. 1" = 20'
VERT. 1" = 5'
CONTRACT No. 11424
SHEET NO. 6 OF 15

Lake County Board of Commissioners - Mentor
D/A Processing No. 2015-00350
Lake County, Ohio
Quad: Mentor
Sheet 6 of 17



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CITY OF MENTOR
LAKE COUNTY OHIO

DATE: APR. 2016
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STA. 15+00 TO STA. 21+00

SCALE
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VERT. 1" = 5'
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SHEET NO. 7 OF 15

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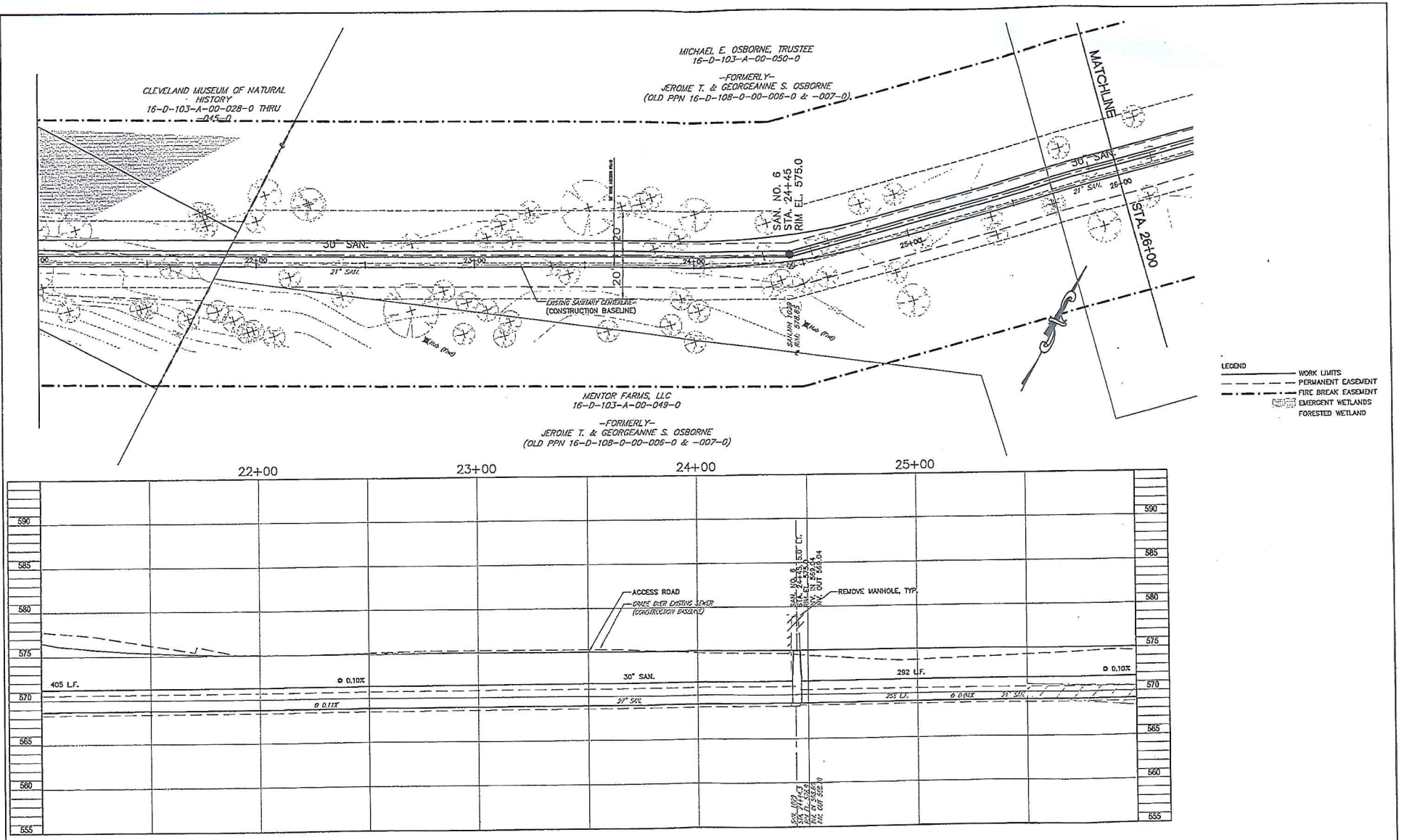
D/A Processing No. 2015-00350
Lake County, Ohio
Quad: Mentor
Sheet 7 of 17



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CITY OF MENTOR
LAKE COUNTY OHIO

DATE: APR. 2016
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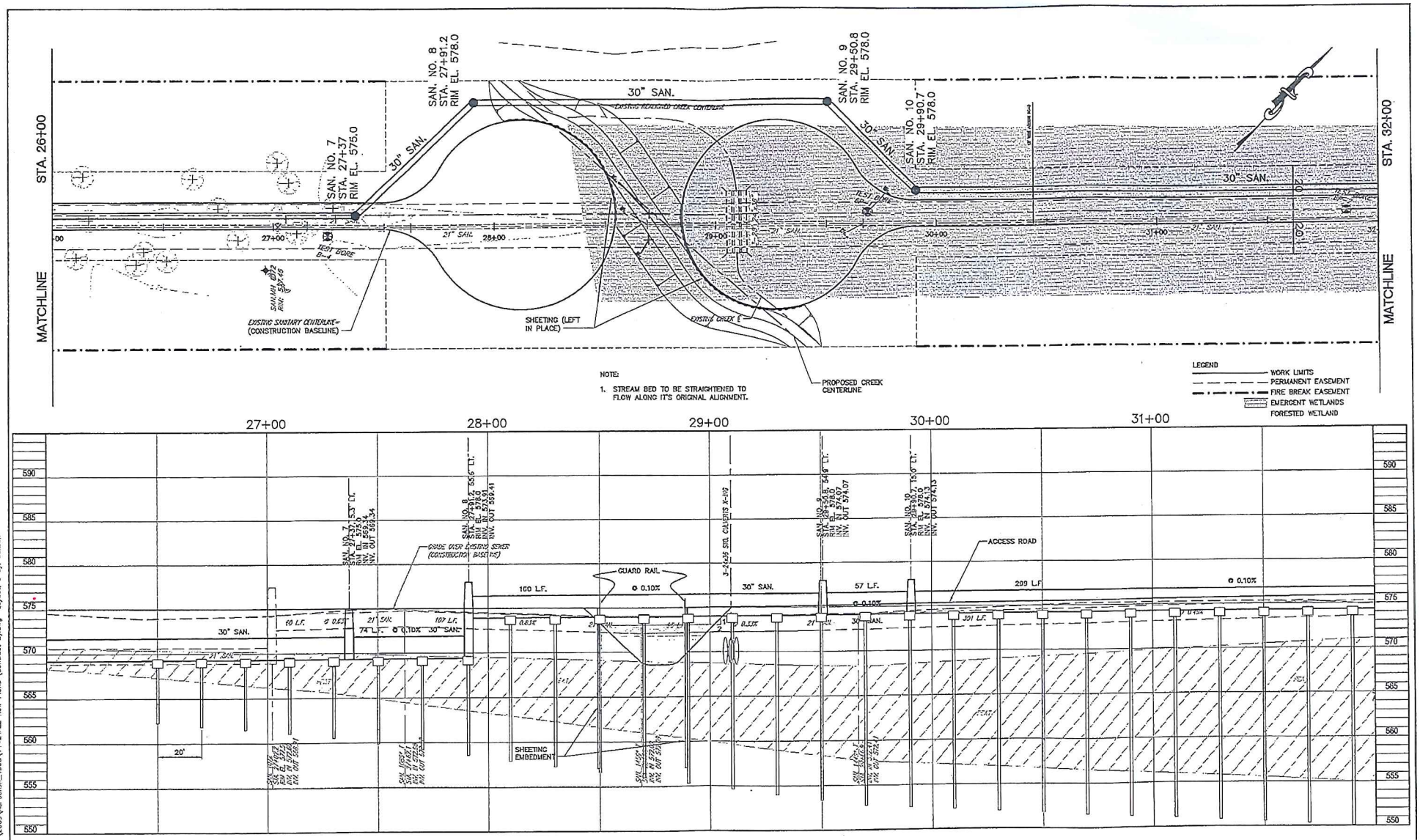
PLAN & PROFILE
STA. 21+00 TO STA. 26+00

SCALE
HOR. 1" = 20'
VERT. 1" = 5'
CONTRACT No. 11424
SHEET NO. 8 OF 15

Lake County Board of Commissioners - Mentor
D/A Processing No. 2015-00350
Lake County, Ohio
Quad: Mentor
Sheet 8 of 17



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CITY OF MENTOR
LAKE COUNTY OHIO

DATE: APR. 2016
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PLAN & PROFILE
STA. 26+00 TO STA. 32+00

SCALE
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SHEET NO. 9 OF 15

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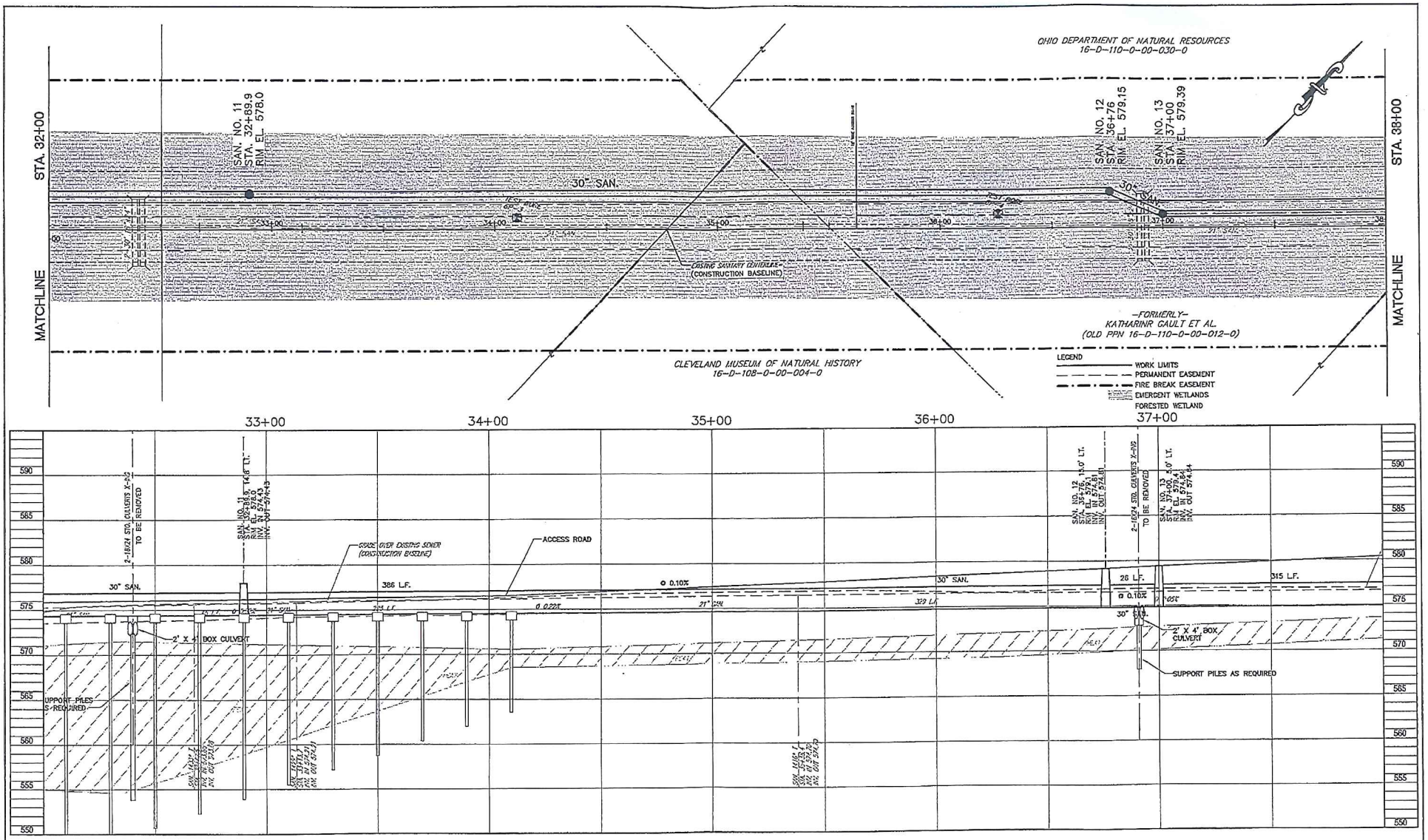
D/A Processing No. 2015-00350
Lake County, Ohio
Quad: Mentor
Sheet 9 of 17



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LAKE COUNTY DEPARTMENT OF UTILITIES
MENTOR MARSH SANITARY INTERCEPTOR
L.C. IMPROVEMENT No. 336-S - CONTRACT B
CITY OF MENTOR
LAKE COUNTY OHIO

DATE: APR. 2016
DRAWN BY: JFD
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APPROVED BY: TEV
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PLAN & PROFILE
STA. 32+00 TO STA. 38+00

SCALE
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CONTRACT No. 11424
SHEET NO. 10 OF 15

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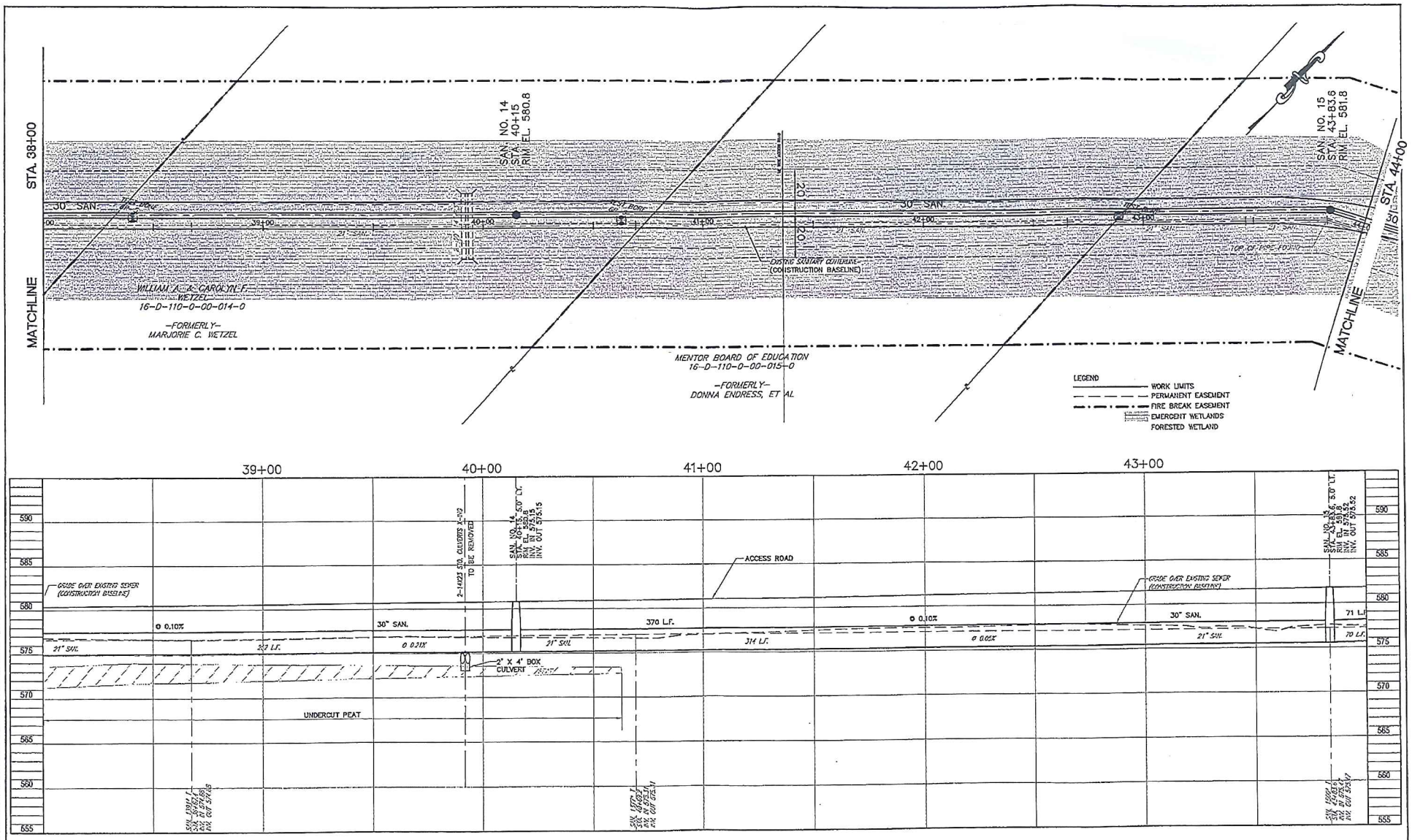
D/A Processing No. 2015-00350
Lake County, Ohio
Quad: Mentor
Sheet 10 of 17



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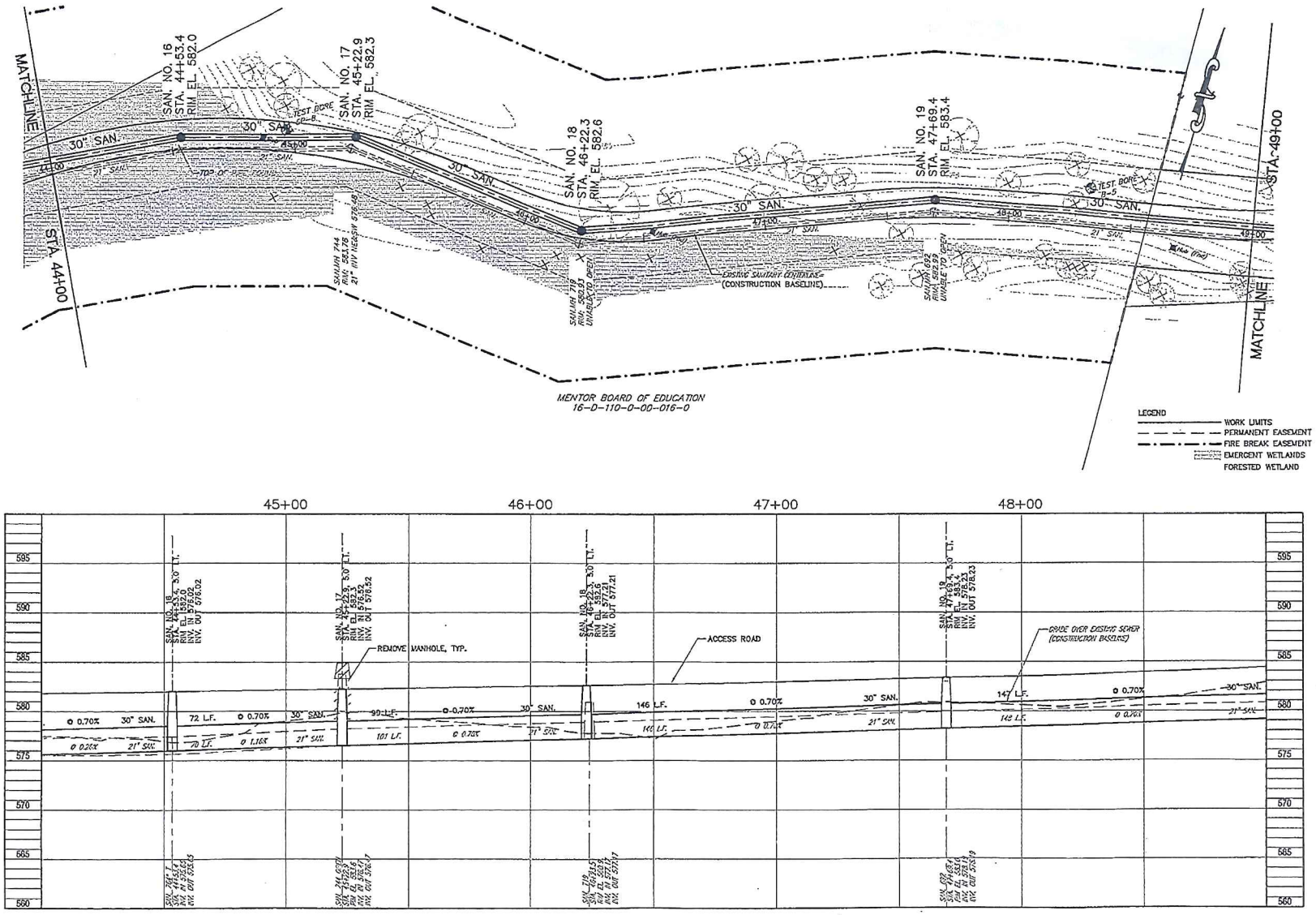
CITY OF MENTOR
LAKE COUNTY OHIO

DATE: APR. 2016
DRAWN BY: JFD
CHECKED BY: GBS
APPROVED BY: TEV
F.B. No. 1387 PG. —

PLAN & PROFILE
STA. 38+00 TO STA. 44+00

SCALE
HOR. 1" = 20'
VERT. 1" = 5'
CONTRACT No. 11424
SHEET NO. 11 OF 15

Lake County Board of Commissioners - Mentor
D/A Processing No. 2015-00350
Lake County, Ohio
Quad: Mentor
Sheet 11 of 17



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LAKE COUNTY DEPARTMENT OF UTILITIES
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L.C. IMPROVEMENT No. 336-S - CONTRACT B
CITY OF MENTOR
LAKE COUNTY OHIO

DATE: APR. 2016
DRAWN BY: JFD
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PLAN & PROFILE STA. 44+00 TO STA. 49+00

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SHEET NO. 12 OF 15

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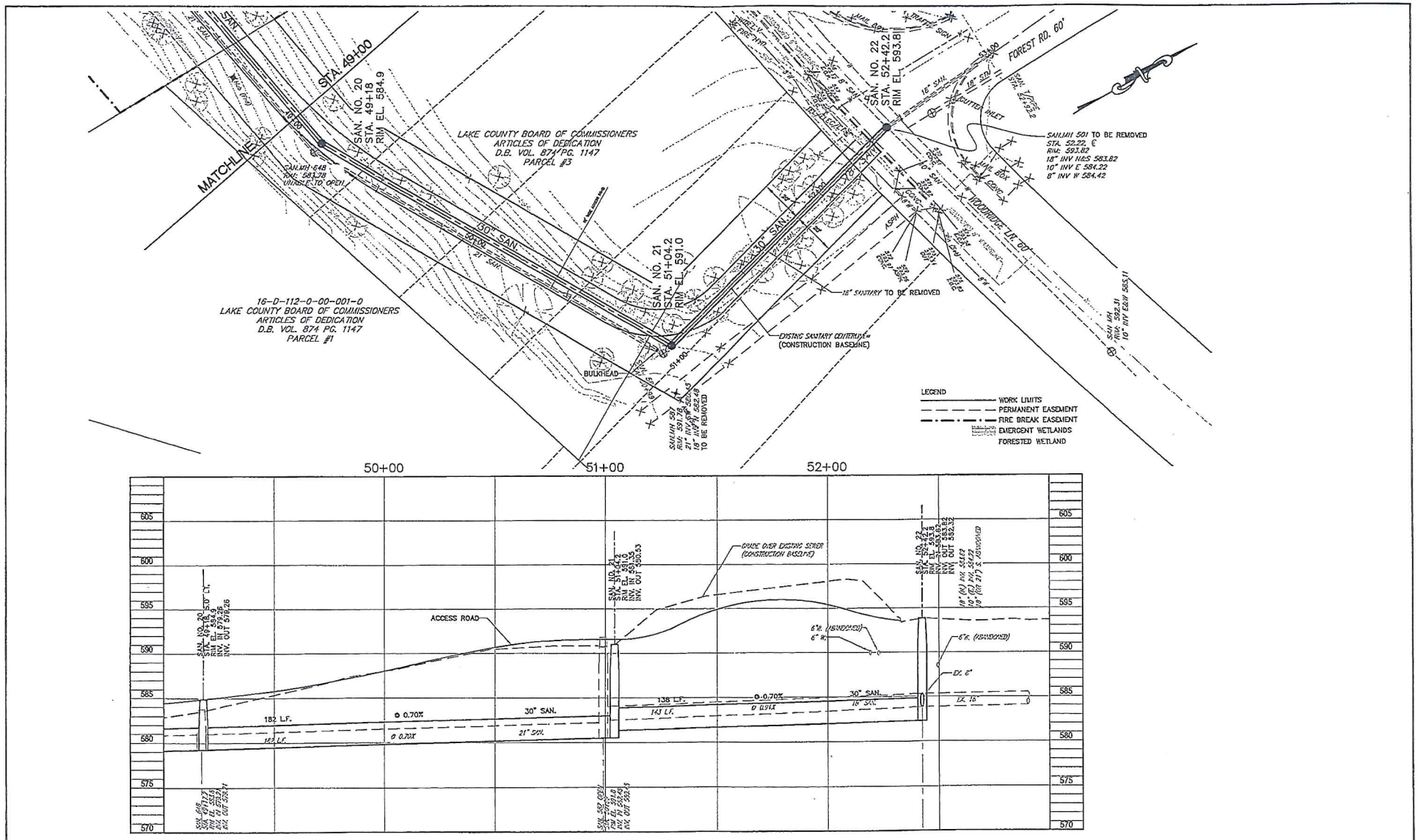
D/A Processing No. 2015-00350
Lake County, Ohio
Quad: Mentor
Sheet 12 of 17



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REV. NO.	DESCRIPTION	DATE	BY	CHK'D.

LAKE COUNTY DEPARTMENT OF UTILITIES
MENTOR MARSH SANITARY INTERCEPTOR
L.C. IMPROVEMENT No. 336-S - CONTRACT B
CITY OF MENTOR
LAKE COUNTY OHIO

DATE: APR. 2016
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APPROVED BY: TEV
F.B. No. 1307 PG. —

PLAN & PROFILE STA. 49+00 TO STA. 52+50

SCALE
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SHEET NO. 13 OF 15

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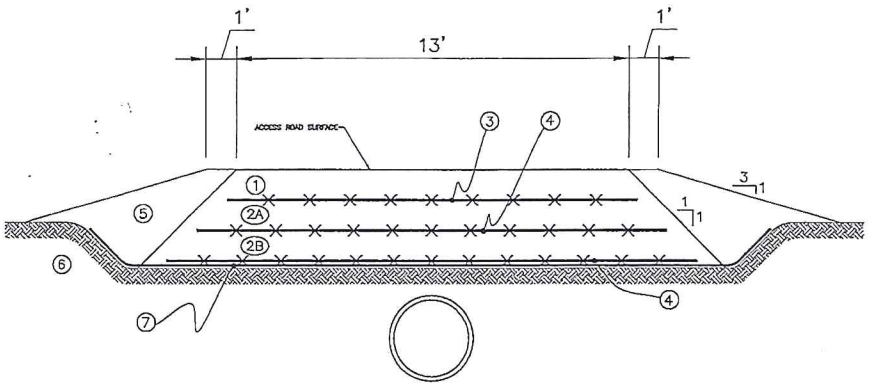
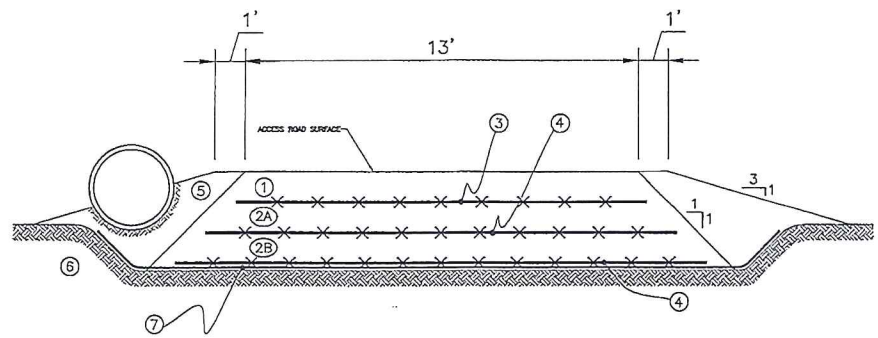
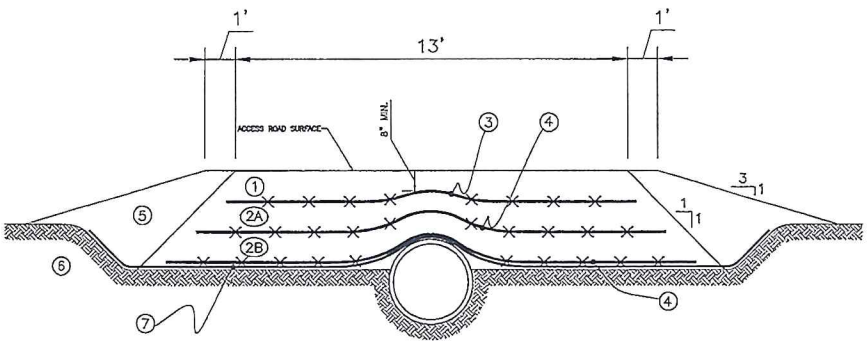
D/A Processing No. 2015-00350
Lake County, Ohio
Quad: Mentor
Sheet 13 of 17



STA. 17+00 SECTION
03/16 1"=2'



STA. 33+00 SECTION
03/16 1"=2'



STA. 37+00 SECTION
03/16 1"=2'

LEGEND:

1. 12" OF 304 CRUSHED LIMESTONE BASE
2A. 12" OF 1s & 2s WITH SURFACE CHOKED OFF WITH 304
2B. 12" OF 1s & 2s
3. TENSAR TX160GEOGRID 13'x246' (358.6 SQ. YD/ROLL), $3.05/SQ. YD
4. TENSAR TX190GEOGRID 13'x164' (239.1 SQ. YD/ROLL), $4.10/SQ. YD
5. SPOILS FROM UNDERCUT
6. SUBGRADE
7. LINQ120EX ODOT TYPE A FABRIC – NONWOVEN 12'x360' (500 SQ. YD/ROLL) AND 15'x360' (600 SQ. YD/ROLL), BOTH 39¢ PER SQ. YD.

STANDARD INSTALLATION PROCEDURE:

A) STRIP SUBGRADE AND MAKE UNDERCUT
B) PLACE FIRST TWO LIFTS INCLUDING FABRIC AND GRIPS BEFORE COMPACTING WITH VIBRATORY ROLLER.
C) FABRIC FOR FIRST TWO LIFTS PLACE PERPENDICULAR TO AXIS OF ROAD. LAY FABRIC AND GRID.
D) PLACE LAST LAYER OF GRID PARALLEL WITH LONG AXIS OF ROAD.
E) PLACE 304 & COMPACT

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Drawing name: H:\2011\11424\DWG\ROAD SECTION DETAIL -2014 Copy.dwg Layout: Road Sction Details by: danson

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REV. NO.	DESCRIPTION	DATE	BY	CHK'D.

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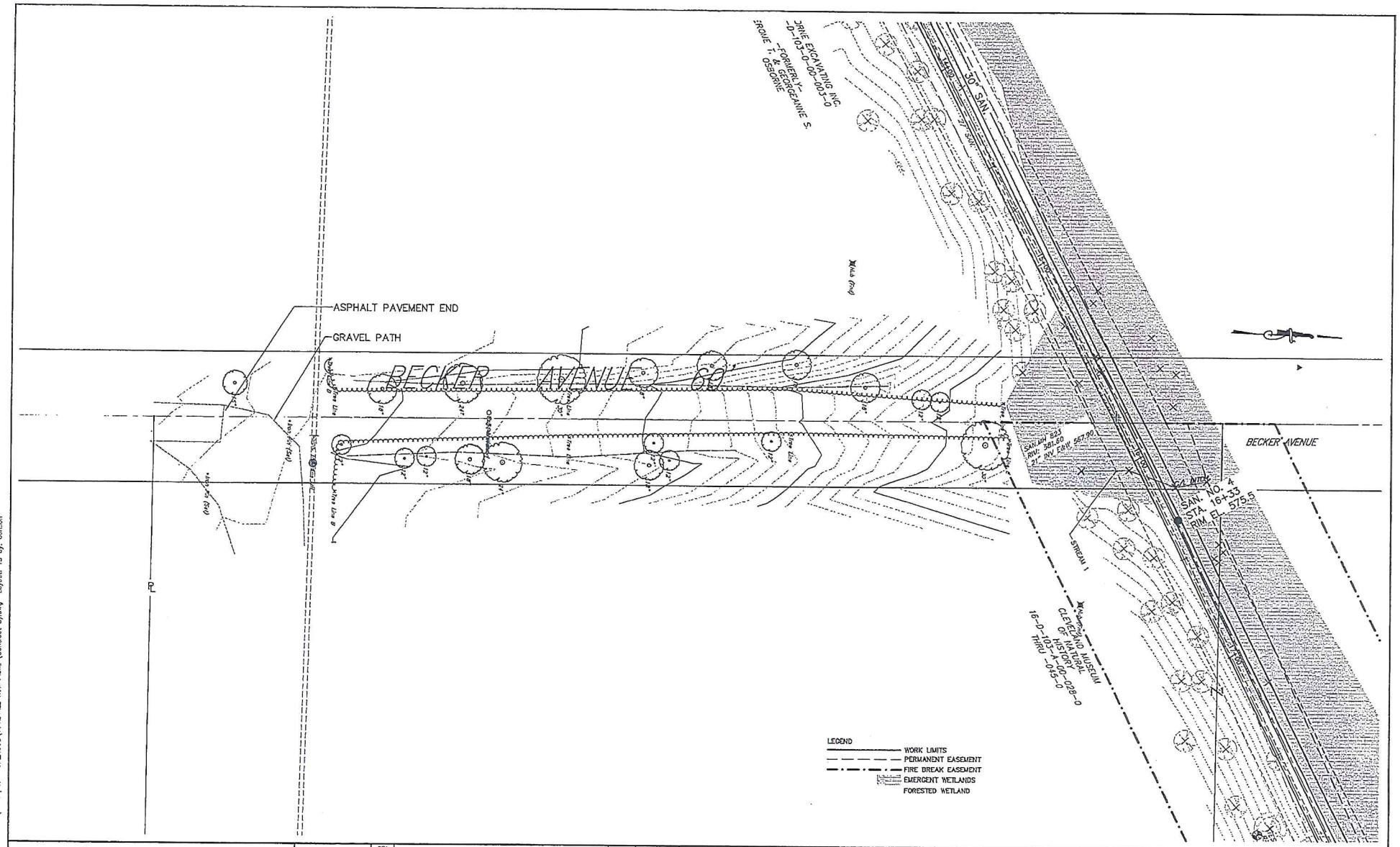
MENTOR MARSH SANITARY INTERCEPTOR
L.C. IMPROVEMENT No. 336-S - CONTRACT B
CITY OF MENTOR
LAKE COUNTY OHIO

DATE: APR. 2016
DRAWN BY: JTD
CHECKED BY: TEV
APPROVED BY: TEV
F.B. No. 1367 PG. –

ROAD SECTIONS

SCALE
HOR.
VERT.
CONTRACT No. 11424
SHEET NO. 14 OF 15

Lake County Board of Commissioners - Mentor
D/A Processing No. 2015-00350
Lake County, Ohio
Quad: Mentor
Sheet 14 of 17



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LAKE COUNTY OHIO

DATE: APR. 2016
DRAWN BY: JFD
CHECKED BY: GBS
APPROVED BY: TEV
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BECKER AVE. DETAIL

SCALE
HOR. 1" = 20'
VERT. 1" = 20'
CONTRACT No. 11424
SHEET NO. 15 OF 15

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Drawing name: C:\ACADSWAP\2009\AcPublish_4508\11424ALL New Plans (Contract B).dwg Layout: 15 by: donson

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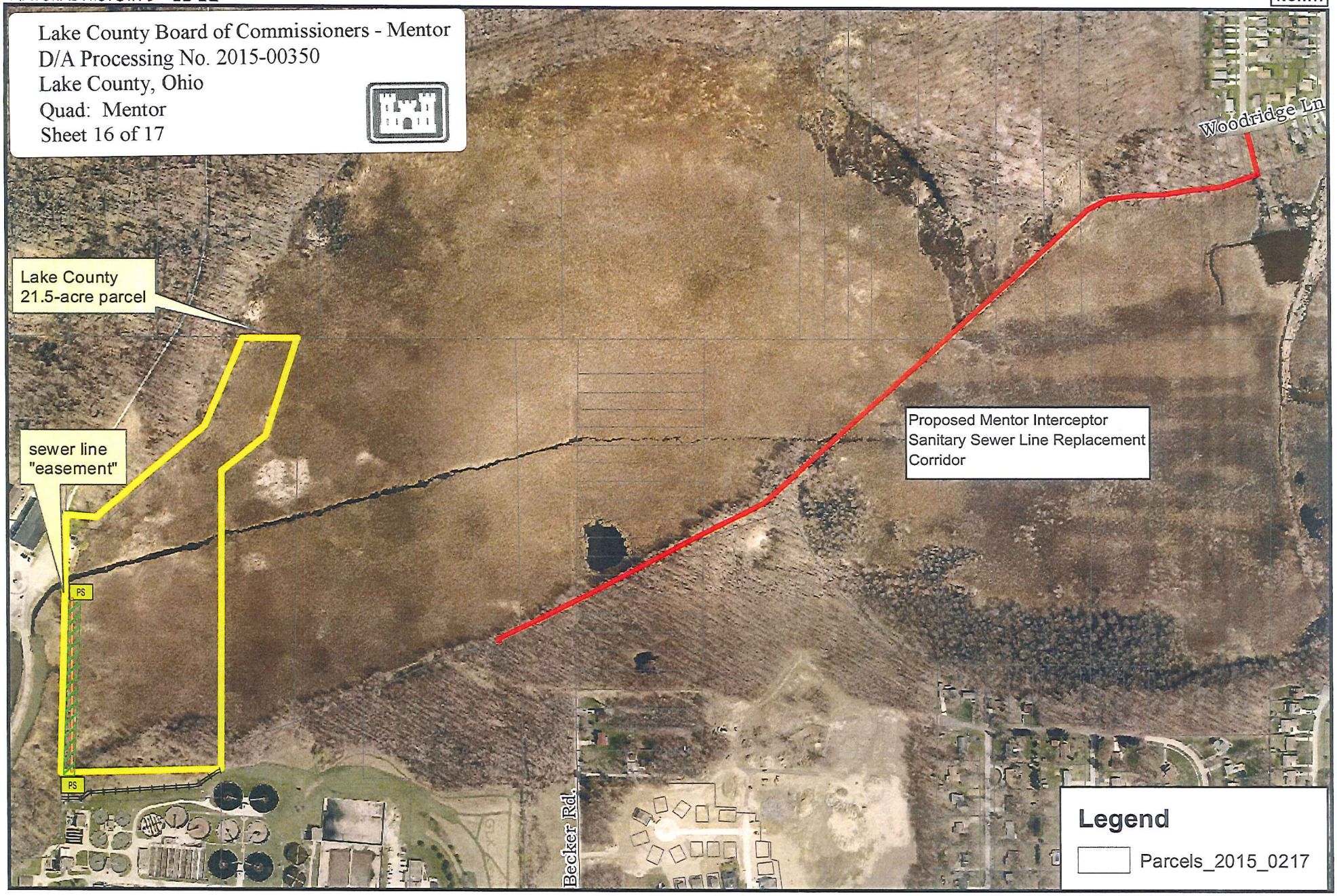
Cleveland Museum of NATURAL HISTORY

Figure 1 - Mitigation Area Aerial Map

NORTH

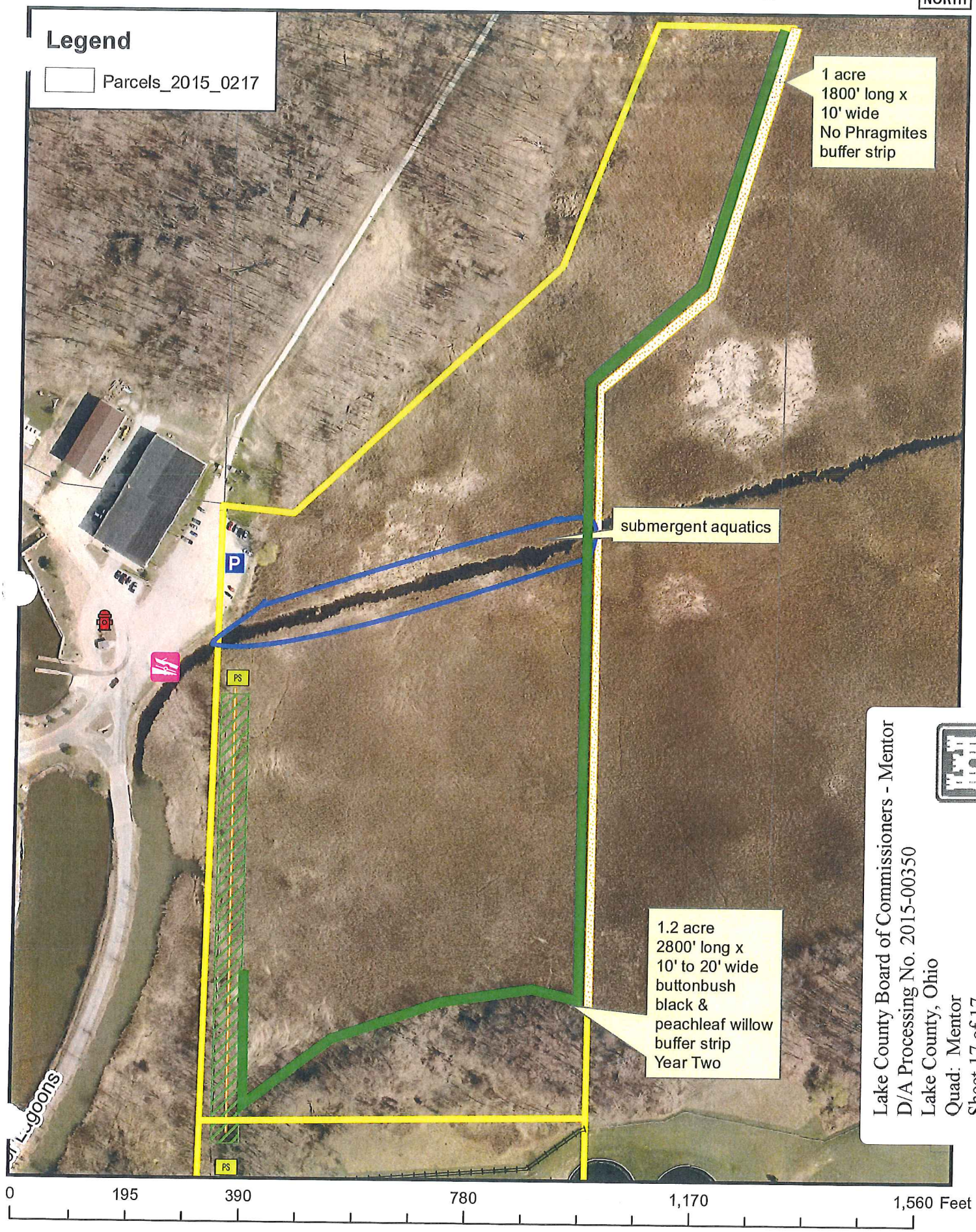


0 625 1,250 2,500 3,750 5,000 Feet

Cleveland Museum of NATURAL HISTORY

Figure 2 - Mitigation Area Plan Map

NORTH



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