



REPLY TO
ATTENTION OF

DEPARTMENT OF THE ARMY

PHILADELPHIA DISTRICT CORPS OF ENGINEERS
WANAMAKER BUILDING, 100 PENN SQUARE EAST
PHILADELPHIA, PENNSYLVANIA 19107-3390

September 4, 2019

Regulatory Branch
Applications Section II

SUBJECT: CENAP-OP-R 2018-00801 (91)
Project Name: 3363 Gun Club Road JVI LLC JD NO
Latitude and Longitude: 40.725834° N, -75.349451° W

JVI, LLC.
c/o Mr. James Vozar
1265 Miller Road
Wind Gap, PA 18091

Dear Mr. Vozar:

This letter is written with regard to your request for verification of a delineation of waters of the United States on the property identified below performed on your behalf by Maser Consulting P.A. An approved jurisdictional determination is being performed per your request. The project center is located approximately 2,800 feet southwest of the intersection of Gun Club Road and State Route 248, Upper Nazareth Township, Northampton County, Pennsylvania.

The plans identified on the following page depict the extent of Federal jurisdiction on the subject property. The basis of our determination of jurisdiction is also provided (Enclosure 1). Please note, the plan show a wetland (Wetland Area 9) that appears to have formed in a blocked manmade upland drainage ditch. While this feature is not a water of the United States it may be a water of the Commonwealth of Pennsylvania. It is suggested that you contact the Pennsylvania Department of Environmental Protection, Northeast Regional Office for a determination concerning Wetland Area 9.

Pursuant to Section 10 of the Rivers and Harbors Act and Section 404 of the Clean Water Act, a Department of the Army permit is required for work or structures in navigable waters of the United States and the discharge of dredged or fill material into waters of the United States including adjacent and isolated wetlands. Any proposal to perform the above activities within the area of Federal jurisdiction requires the prior approval of this office.

This delineation/determination has been conducted to identify the limits of the Corps Clean Water Act jurisdiction for the particular site identified in this request. This delineation/determination may not be valid for the wetland conservation provisions of the Food Security Act of 1985, as amended. If you or your tenant are U.S. Department of Agriculture (USDA) program participants, or anticipate participating in USDA programs, you should request

a certified wetland determination from the local office of the Natural Resources Conservation Service prior to starting work.

This letter is valid for a period of five (5) years. This jurisdictional determination is issued in accordance with current Federal regulations and is based upon the existing site conditions and information provided by you in your application. This office reserves the right to reevaluate and modify the jurisdictional determination at any time should the existing site conditions or Federal regulations change, or should the information provided by you prove to be false, incomplete or inaccurate.

This letter contains an approved jurisdictional determination for your subject site. If you object to this determination, you may request an administrative appeal under Corps regulations at 33 CFR 331. Enclosed you will find a combined Notification of Appeal Process (NAP) fact sheet and Request for Appeal (RFA) form (Enclosure 2). If you request to appeal this determination, you must submit a completed RFA form to the North Atlantic Division Office at the following address:

Mr. James W. Haggerty
Regulatory Program Manager (CENAD-PD-OR)
U.S. Army Corps of Engineers
Fort Hamilton Military Community
301 General Lee Avenue
Brooklyn, New York 11252-6700
Telephone number: 347-370-4650

In order for an RFA to be accepted by the Corps, the Corps must determine that it is complete, that it meets the criteria for appeal under 33 CFR Part 331.5, and that it has been received by the Division Office within 60 days of the date of the NAP. Should you decide to submit an RFA form, it must be received at the above address by November 4, 2019.

It is not necessary to submit an RFA form to the Division Office if you do not object to the determination in this letter.

If you have any questions regarding this matter, please contact me at 267-284-6564 or write to the Pocono Area Field Office, 253 State Route 435, Suite 4, Clifton Township, Pennsylvania, 18424.

Sincerely,

Nathan R. Fronk
Project Manager

SUBJECT PROPERTY: Approved jurisdictional determination is for the wetlands and waters identified in the “Wetland Delineation Map for Project Tadmor, 3363 Gun Club Road, Upper Nazareth Twp., Northampton County, Pennsylvania”, Sheet 1 of 18 through 18 of 18.

SURVEY DESCRIPTION: “Wetland Delineation Map for Project Tadmor, 3363 Gun Club Road, Upper Nazareth Twp., Northampton County, Pennsylvania”, Sheet 1 of 18 through 18 of 18, Scale as Noted, Drawn by MD of Maser Consulting P.A. on 9/6/2018, Last Revised on 8/28/2019. Also identified as “US Army Corps of Engineers, CENAP-OP-R 2018-00801, Approved Plan Sheet 1 of 18 through 18 of 18”

COMMENTS: Site inspection by representative of this office on November 13, 2018 and January 10, 2019.

Enclosures

Copies Furnished:

PADEP (NERO)
Northampton County Conservation District
Upper Nazareth Township
Maser Consulting P.A.

NOTIFICATION OF ADMINISTRATIVE APPEAL OPTIONS AND PROCESS AND REQUEST FOR APPEAL

Applicant: JVI, LLC.		File Number: CENAP 2018-00801	Date: 9/4/2019
Attached is:			See Section below
	INITIAL PROFFERED PERMIT (Standard Permit or Letter of permission)	A	
	PROFFERED PERMIT (Standard Permit or Letter of permission)	B	
	PERMIT DENIAL	C	
X	APPROVED JURISDICTIONAL DETERMINATION	D	
	PRELIMINARY JURISDICTIONAL DETERMINATION	E	

SECTION I - The following identifies your rights and options regarding an administrative appeal of the above decision. Additional information may be found at <http://www.usace.army.mil/Missions/CivilWorks/RegulatoryProgramandPermits/appeals.aspx> or Corps regulations at 33 CFR Part 331.

A: INITIAL PROFFERED PERMIT: You may accept or object to the permit.

- **ACCEPT:** If you received a Standard Permit, you may sign the permit document and return it to the district engineer for final authorization. If you received a Letter of Permission (LOP), you may accept the LOP and your work is authorized. Your signature on the Standard Permit or acceptance of the LOP means that you accept the permit in its entirety, and waive all rights to appeal the permit, including its terms and conditions, and approved jurisdictional determinations associated with the permit.
- **OBJECT:** If you object to the permit (Standard or LOP) because of certain terms and conditions therein, you may request that the permit be modified accordingly. You must complete Section II of this form and return the form to the district engineer. Your objections must be received by the district engineer within 60 days of the date of this notice, or you will forfeit your right to appeal the permit in the future. Upon receipt of your letter, the district engineer will evaluate your objections and may: (a) modify the permit to address all of your concerns, (b) modify the permit to address some of your objections, or (c) not modify the permit having determined that the permit should be issued as previously written. After evaluating your objections, the district engineer will send you a proffered permit for your reconsideration, as indicated in Section B below.

B: PROFFERED PERMIT: You may accept or appeal the permit

- **ACCEPT:** If you received a Standard Permit, you may sign the permit document and return it to the district engineer for final authorization. If you received a Letter of Permission (LOP), you may accept the LOP and your work is authorized. Your signature on the Standard Permit or acceptance of the LOP means that you accept the permit in its entirety, and waive all rights to appeal the permit, including its terms and conditions, and approved jurisdictional determinations associated with the permit.
- **APPEAL:** If you choose to decline the proffered permit (Standard or LOP) because of certain terms and conditions therein, you may appeal the declined permit under the Corps of Engineers Administrative Appeal Process by completing Section II of this form and sending the form to the division engineer. This form must be received by the division engineer within 60 days of the date of this notice.

C: PERMIT DENIAL: You may appeal the denial of a permit under the Corps of Engineers Administrative Appeal Process by completing Section II of this form and sending the form to the division engineer. This form must be received by the division engineer within 60 days of the date of this notice.

D: APPROVED JURISDICTIONAL DETERMINATION: You may accept or appeal the approved JD or provide new information.

- **ACCEPT:** You do not need to notify the Corps to accept an approved JD. Failure to notify the Corps within 60 days of the date of this notice, means that you accept the approved JD in its entirety, and waive all rights to appeal the approved JD.
- **APPEAL:** If you disagree with the approved JD, you may appeal the approved JD under the Corps of Engineers Administrative Appeal Process by completing Section II of this form and sending the form to the division engineer. This form must be received by the division engineer within 60 days of the date of this notice.

E: PRELIMINARY JURISDICTIONAL DETERMINATION: You do not need to respond to the Corps regarding the preliminary JD. The Preliminary JD is not appealable. If you wish, you may request an approved JD (which may be appealed), by contacting the Corps district for further instruction. Also you may provide new information for further consideration by the Corps to reevaluate the JD.

SECTION II - REQUEST FOR APPEAL or OBJECTIONS TO AN INITIAL PROFFERED PERMIT

REASONS FOR APPEAL OR OBJECTIONS: (Describe your reasons for appealing the decision or your objections to an initial proffered permit in clear concise statements. You may attach additional information to this form to clarify where your reasons or objections are addressed in the administrative record.)

ADDITIONAL INFORMATION: The appeal is limited to a review of the administrative record, the Corps memorandum for the record of the appeal conference or meeting, and any supplemental information that the review officer has determined is needed to clarify the administrative record. Neither the appellant nor the Corps may add new information or analyses to the record. However, you may provide additional information to clarify the location of information that is already in the administrative record.

POINT OF CONTACT FOR QUESTIONS OR INFORMATION:

If you have questions regarding this decision and/or the appeal process you may contact:

Glenn Weitknecht
(267) 284-6563, or
Glenn.R.Weitknecht@usace.army.mil

If you only have questions regarding the appeal process you may also contact:

Mr. James W. Haggerty
Regulatory Program Manager (CENAD-PD-OR)
U.S. Army Corps of Engineers
Fort Hamilton Military Community
301 General Lee Avenue
Brooklyn, New York 11252-6700
Telephone number: 347-370-4650

RIGHT OF ENTRY: Your signature below grants the right of entry to Corps of Engineers personnel, and any government consultants, to conduct investigations of the project site during the course of the appeal process. You will be provided a 15 day notice of any site investigation, and will have the opportunity to participate in all site investigations.

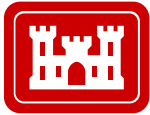
Signature of appellant or agent.

Date:

Telephone number:

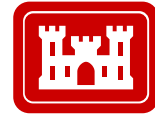
F	AR	Regulatory Action Type Regulatory Action Folder	Size	Cowardin	HGM	Geometry	Local Waterway	Spatial	CM2	Final	Delete	Convert	Add
						Type		Details	Map				
		Water 1 (CWR \ DELINPJD)	.157 acre	PFO		Polygon	Wetland Area 1 UNT to East Branch of Monocacy Creek						
		Water 2 (CWR \ A5)	.076 acre	R3		Polygon	#1						
		Water 3 (CWR \ A6BOHWM)	.486 acre	PEM		Polygon	Wetland Area 2 UNT to East Branch of the Monocacy Creek						
		Water 4 (CWR \ A5)	.113 acre	R4		Line	#2						
		Water 5 (CWR \ A6BWB)	.147 acre	PSS		Polygon	Wetland Area 3						
		Water 6 (CWR \ A6BWB)	.106 acre	PSS		Polygon	Wetland Area 4 UNT to East Branch of the Monocacy Creek						
		Water 7 (CWR \ A5)	.238 acre	R3		Line	3						
		Water 8 (CWR \ A6BWB)	.37 acre	PFO		Polygon	Wetland Area 5 East Branch of Monocacy Creek						
		Water 9 (CWR \ A5)	.047 acre	R3		Line	1						
		Water 10 (CWR \ A6BWB)	.052 acre	PFO		Polygon	Wetland Area 6						
		Water 11 (CWR \ A6BWB)	.017 acre	PFO		Polygon	Wetland Area 7						

Water 12 (CWR \ EXCLDB3I) .19 acre PSS Polygon Wetland Area 8



®

Regulatory Program



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INTERIM APPROVED JURISDICTIONAL DETERMINATION FORM U.S. Army Corps of Engineers

This form should be completed by following the instructions provided in the Interim Approved Jurisdictional Determination Form User Manual.

SECTION I: BACKGROUND INFORMATION

A. COMPLETION DATE FOR APPROVED JURISDICTIONAL DETERMINATION (AJD): September 4, 2019

B. ORM NUMBER IN APPROPRIATE FORMAT (e.g., HQ-2015-00001-SMJ): CENAP-OP-R-2018-00801

C. PROJECT LOCATION AND BACKGROUND INFORMATION:

State: Pennsylvania County/parish/borough: Northampton City: Upper Nazareth Twp.

Center coordinates of site (lat/long in degree decimal format): Lat. 40.725540, Long. -75.353509

Map(s)/diagram(s) of review area (including map identifying single point of entry (SPOE) watershed and/or potential jurisdictional areas where applicable) is/are: ☐ attached ☐ in report/map titled

☐ Other sites (e.g., offsite mitigation sites, disposal sites, etc.) are associated with this action and are recorded on a different jurisdictional determination (JD) form. List JD form ID numbers (e.g., HQ-2015-00001-SMJ-1):

D. REVIEW PERFORMED FOR SITE EVALUATION:

☐ Office (Desk) Determination Only. Date:

☒ Office (Desk) and Field Determination. Office/Desk Dates: 22 May 2019 Field Date(s): 20 Nov 2018, 10 Jan 2019.

SECTION II: DATA SOURCES

Check all that were used to aid in the determination and attach data/maps to this AJD form and/or references/citations in the administrative record, as appropriate.

☒ Maps, plans, plots or plat submitted by or on behalf of the applicant/consultant.

☒ Data sheets prepared/submitted by or on behalf of the applicant/consultant.

☒ Data sheets/delineation report are sufficient for purposes of AJD form. Title/Date: Wetland Delineation Report, 3363 Gun Club Road, Upper Nazareth, Pennsylvania September 2018

☐ Data sheets/delineation report are not sufficient for purposes of AJD form. Summarize rationale and include information on revised data sheets/delineation report that this AJD form has relied upon:

Revised Title/Date:

☐ Data sheets prepared by the Corps. Title/Date:

☐ Corps navigable waters study. Title/Date:

☐ CorpsMap ORM map layers. Title/Date:

☐ USGS Hydrologic Atlas. Title/Date:

☐ USGS, NHD, or WBD data/maps. Title/Date:

☐ USGS 8, 10 and/or 12 digit HUC maps. HUC number:

☒ USGS maps. Scale & quad name and date: Nazareth and Catasauqua, PA Quadrangles – Not to Scale, No Date

☒ USDA NRCS Soil Survey. Citation: Web Soil Survey

☒ USFWS National Wetlands Inventory maps. Citation: NWI Online Viewer

☐ State/Local wetland inventory maps. Citation:

☐ FEMA/FIRM maps. Citation:

☒ Photographs: ☐ Aerial. Citation: or ☒ Other. Citation: Photographs submitted by agent in Sept. 2018 Delineation Report

☐ LiDAR data/maps. Citation:

☐ Previous JDs. File no. and date of JD letter:

☐ Applicable/supporting case law:

☐ Applicable/supporting scientific literature:

☐ Other information (please specify):

SECTION III: SUMMARY OF FINDINGS

Complete ORM "Aquatic Resource Upload Sheet" or Export and Print the Aquatic Resource Water Droplet Screen from ORM for All Waters and Features, Regardless of Jurisdictional Status – Required

A. RIVERS AND HARBORS ACT (RHA) SECTION 10 DETERMINATION OF JURISDICTION:

☐ "navigable waters of the U.S." within RHA jurisdiction (as defined by 33 CFR part 329) in the review area.

• Complete Table 1 - Required

NOTE: If the navigable water is not subject to the ebb and flow of the tide or included on the District's list of Section 10 navigable waters list, DO NOT USE THIS FORM TO MAKE THE DETERMINATION. The District must continue to follow the procedure outlined in 33 CFR part 329.14 to make a Section 10 RHA navigability determination.

B. CLEAN WATER ACT (CWA) SECTION 404 DETERMINATION OF JURISDICTION: "waters of the U.S." within CWA jurisdiction (as defined by 33 CFR part 328.3) in the review area. Check all that apply.

☐ (a)(1): All waters which are currently used, were used in the past, or may be susceptible to use in interstate or foreign commerce, including all waters which are subject to the ebb and flow of the tide. (Traditional Navigable Waters (TNWs))

• Complete Table 1 - Required

☐ This AJD includes a case-specific (a)(1) TNW (Section 404 navigable-in-fact) determination on a water that has not previously been designated as such. Documentation required for this case-specific (a)(1) TNW determination is attached.

☐ (a)(2): All interstate waters, including interstate wetlands.

• Complete Table 2 - Required

☐ (a)(3): The territorial seas.

• Complete Table 3 - Required

☐ (a)(4): All impoundments of waters otherwise identified as waters of the U.S. under 33 CFR part 328.3.

• Complete Table 4 - Required

☒ (a)(5): All tributaries, as defined in 33 CFR part 328.3, of waters identified in paragraphs (a)(1)-(a)(3) of 33 CFR part 328.3.

• Complete Table 5 - Required

☒ (a)(6): All waters adjacent to a water identified in paragraphs (a)(1)-(a)(5) of 33 CFR part 328.3, including wetlands, ponds, lakes, oxbows, impoundments, and similar waters.

• Complete Table 6 - Required

☒ Bordering/Contiguous.
Neighboring:

☐ (c)(2)(i): All waters located within 100 feet of the ordinary high water mark (OHWM) of a water identified in paragraphs (a)(1)-(a)(5) of 33 CFR part 328.3.

☐ (c)(2)(ii): All waters located within the 100-year floodplain of a water identified in paragraphs (a)(1)-(a)(5) of 33 CFR part 328.3 and not more than 1,500 feet of the OHWM of such water.

☐ (c)(2)(iii): All waters located within 1,500 feet of the high tide line of a water identified in paragraphs (a)(1) or (a)(3) of 33 CFR part 328.3, and all waters within 1,500 feet of the OHWM of the Great Lakes.

☐ (a)(7): All waters identified in 33 CFR 328.3(a)(7)(i)-(v) where they are determined, on a case-specific basis, to have a significant nexus to a water identified in paragraphs (a)(1)-(a)(3) of 33 CFR part 328.3.

• Complete Table 7 for the significant nexus determination. Attach a map delineating the SPOE watershed boundary with (a)(7) waters identified in the similarly situated analysis. - Required

☐ Includes water(s) that are geographically and physically adjacent per (a)(6), but are being used for established, normal farming, silviculture, and ranching activities (33 USC Section 1344(f)(1)) and therefore are not adjacent and require a case-specific significant nexus determination.

☐ (a)(8): All waters located within the 100-year floodplain of a water identified in paragraphs (a)(1)-(a)(3) of 33 CFR part 328.3 not covered by (c)(2)(ii) above and all waters located within 4,000 feet of the high tide line or OHWM of a water identified in paragraphs (a)(1)-(a)(5) of 33 CFR part 328.3 where they are determined on a case-specific basis to have a significant nexus to a water identified in paragraphs (a)(1)-(a)(3) of 33 CFR part 328.3.

• Complete Table 8 for the significant nexus determination. Attach a map delineating the SPOE watershed boundary with (a)(8) waters identified in the similarly situated analysis. - Required

☐ Includes water(s) that are geographically and physically adjacent per (a)(6), but are being used for established, normal farming, silviculture, and ranching activities (33 USC Section 1344(f)(1)) and therefore are not adjacent and require a case-specific significant nexus determination.

C. NON-WATERS OF THE U.S. FINDINGS:

Check all that apply.

- ☐ The review area is comprised entirely of dry land.
- ☐ Potential-(a)(7) Waters: Waters that DO NOT have a significant nexus to a water identified in paragraphs (a)(1)-(a)(3) of 33 CFR part 328.3.
- **Complete Table 9 and attach a map delineating the SPOE watershed boundary with potential (a)(7) waters identified in the similarly situated analysis. - Required**
- ☐ Includes water(s) that are geographically and physically adjacent per (a)(6), but are being used for established, normal farming, silviculture, and ranching activities (33 USC Section 1344(f)(1)) and therefore are not adjacent and require a case-specific significant nexus determination.
- ☐ Potential-(a)(8) Waters: Waters that DO NOT have a significant nexus to a water identified in paragraphs (a)(1)-(a)(3) of 33 CFR part 328.3.
- **Complete Table 9 and attach a map delineating the SPOE watershed boundary with potential (a)(8) waters identified in the similarly situated analysis. - Required**
- ☐ Includes water(s) that are geographically and physically adjacent per (a)(6), but are being used for established, normal farming, silviculture, and ranching activities (33 USC Section 1344(f)(1)) and therefore are not adjacent and require a case-specific significant nexus determination.
- ☒ Excluded Waters (Non-Waters of U.S.), even where they otherwise meet the terms of paragraphs (a)(4)-(a)(8):
- **Complete Table 10 - Required**
- ☐ (b)(1): Waste treatment systems, including treatment ponds or lagoons designed to meet the requirements of the CWA.
- ☐ (b)(2): Prior converted cropland.
- ☒ (b)(3)(i): Ditches with ephemeral flow that are not a relocated tributary or excavated in a tributary.
- ☐ (b)(3)(ii): Ditches with intermittent flow that are not a relocated tributary, excavated in a tributary, or drain wetlands.
- ☐ (b)(3)(iii): Ditches that do not flow, either directly or through another water, into a water identified in paragraphs (a)(1)-(a)(3).
- ☐ (b)(4)(i): Artificially irrigated areas that would revert to dry land should application of water to that area cease.
- ☐ (b)(4)(ii): Artificial, constructed lakes and ponds created in dry land such as farm and stock watering ponds, irrigation ponds, settling basins, fields flooded for rice growing, log cleaning ponds, or cooling ponds.
- ☐ (b)(4)(iii): Artificial reflecting pools or swimming pools created in dry land.¹
- ☐ (b)(4)(iv): Small ornamental waters created in dry land.¹
- ☐ (b)(4)(v): Water-filled depressions created in dry land incidental to mining or construction activity, including pits excavated for obtaining fill, sand, or gravel that fill with water.
- ☐ (b)(4)(vi): Erosional features, including gullies, rills, and other ephemeral features that do not meet the definition of tributary, non-wetland swales, and lawfully constructed grassed waterways.¹
- ☐ (b)(4)(vii): Puddles.¹
- ☐ (b)(5): Groundwater, including groundwater drained through subsurface drainage systems.¹
- ☐ (b)(6): Stormwater control features constructed to convey, treat, or store stormwater that are created in dry land.¹
- ☐ (b)(7): Wastewater recycling structures created in dry land; detention and retention basins built for wastewater recycling; groundwater recharge basins; percolation ponds built for wastewater recycling; and water distributary structures built for wastewater recycling.
- ☐ Other non-jurisdictional waters/features within review area that do not meet the definitions in 33 CFR 328.3 of (a)(1)-(a)(8) waters and are not excluded waters identified in (b)(1)-(b)(7).
- **Complete Table 11 - Required.**

D. ADDITIONAL COMMENTS TO SUPPORT AJD:

¹ In many cases these excluded features will not be specifically identified on the AJD form, unless specifically requested. Corps Districts may, in case-by-case instances, choose to identify some or all of these features within the review area.

Jurisdictional Waters of the U.S.

Table 1. (a)(1) Traditional Navigable Waters

(a)(1) Waters Name	(a)(1) Criteria	Rationale to Support (a)(1) Designation Include High Tide Line or Ordinary High Water Mark indicators, when applicable.
N/A	Choose an item.	N/A

Table 2. (a)(2) Interstate Waters

(a)(2) Waters Name	Rationale to Support (a)(2) Designation
N/A	N/A

Table 3. (a)(3) Territorial Seas

(a)(3) Waters Name	Rationale to Support (a)(3) Designation
N/A	N/A

Table 4. (a)(4) Impoundments

(a)(4) Waters Name	Rationale to Support (a)(4) Designation
N/A	N/A
N/A	N/A

Table 5. (a)(5) Tributaries

(a)(5) Waters Name	Flow Regime	(a)(1)-(a)(3) Water Name to which this (a)(5) Tributary Flows	Tributary Breaks	Rationale for (a)(5) Designation and Additional Discussion. Identify flowpath to (a)(1)-(a)(3) water or attach map identifying the flowpath; explain any breaks or flow through excluded/non-jurisdictional features, etc.
Unt to East Branch of the Monocacy Creek #1	Perennial	Monocacy Creek	No	Perennial unnamed tributary flows directly into East Branch of Monocacy Creek, which flows into Monocacy Creek. Monocacy Creek is a Traditional Navigable Water (TNW).
Unt to East Branch of the Monocacy Creek #2	Intermittent	Monocacy Creek	No	Intermittent unnamed tributary flows directly into East Branch of Monocacy Creek, which flows into Monocacy Creek. Monocacy Creek is a Traditional Navigable Water (TNW).
Unt to East Branch of the Monocacy Creek #3	Perennial	Monocacy Creek	No	Perennial unnamed tributary flows directly into East Branch of Monocacy Creek, which flows into Monocacy Creek. Monocacy Creek is a Traditional Navigable Water (TNW).
East Branch of the Monocacy Creek #1	Perennial	Monocacy Creek	No	East Branch of Monocacy Creek flows into Monocacy Creek. Monocacy Creek is a Traditional Navigable Water (TNW).

Table 6. (a)(6) Adjacent Waters

(a)(6) Waters Name	(a)(1)-(a)(5) Water Name to which this Water is Adjacent	Rationale for (a)(6) Designation and Additional Discussion. Identify the type of water and how the limits of jurisdiction were established (e.g., wetland, 87 Manual/Regional Supplement); explain how the 100-year floodplain and/or the distance threshold was determined; whether this water extends beyond a threshold; explain if the water is part of a mosaic, etc.
Wetland Area #1	UNT to East Branch of the Monocacy Creek #1	Wetland Area 1 borders and is contiguous with Unnamed Tributary to East Branch of the Monocacy Creek #1.
Wetland Area #2	UNT to East Branch of the Monocacy Creek #2	Wetland Area 2 borders and is contiguous with Unnamed Tributary to East Branch of the Monocacy Creek 2.
Wetland Area #3	UNT to East Branch of the Monocacy Creek #3	Wetland Area 3 borders and is contiguous with UNT to East Branch of the Monocacy Creek 3.

Wetland Area #4	UNT to East Branch of the Monocacy Creek #3	Wetland Area 4 borders and is contiguous with UNT to East Branch of the Monocacy Creek 3.
Wetland Area #5	UNT to East Branch of the Monocacy Creek #3	Wetland Area 5 borders and is contiguous with UNT to East Branch of the Monocacy Creek 3.
Wetland Area #6	East Branch of Monocacy Creek	Wetland Area 6 borders and is contiguous with the East Branch of the Monocacy Creek 1.
Wetland Area #7	East Branch of Monocacy Creek	Wetland Area 7 borders and is contiguous with the East Branch of the Monocacy Creek 1.

Table 7. (a)(7) Waters

SPOE Name	(a)(7) Waters Name	(a)(1)-(a)(3) Water Name to which this Water has a Significant Nexus	Significant Nexus Determination Identify SPOE watershed; discuss whether any similarly situated waters were present and aggregated for SND; discuss data, provide analysis, and summarize how the waters have more than speculative or insubstantial effect on the physical, chemical, or biological integrity of the (a)(1)-(a)(3) water, etc.
N/A	N/A	N/A	N/A
N/A	N/A	N/A	N/A

Table 8. (a)(8) Waters

SPOE Name	(a)(8) Waters Name	(a)(1)-(a)(3) Water Name to which this Water has a Significant Nexus	Significant Nexus Determination Identify SPOE watershed; explain how 100-yr floodplain and/or the distance threshold was determined; discuss whether waters were determined to be similarly situated to subject water and aggregated for SND; discuss data, provide analysis, and then summarize how the waters have more than speculative or insubstantial effect the on the physical, chemical, or biological integrity of the (a)(1)-(a)(3) water, etc.
N/A	N/A	N/A	N/A
N/A	N/A	N/A	N/A

Non-Jurisdictional Waters

Table 9. Non-Waters/No Significant Nexus

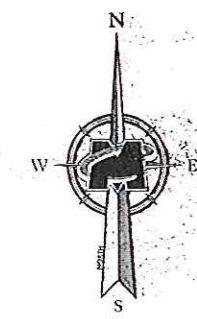
SPOE Name	Non-(a)(7)/(a)(8) Waters Name	(a)(1)-(a)(3) Water Name to which this Water DOES NOT have a Significant Nexus	Basis for Determination that the Functions DO NOT Contribute Significantly to the Chemical, Physical, or Biological Integrity of the (a)(1)-(a)(3) Water. Identify SPOE watershed; explain how 100-yr floodplain and/or the distance threshold was determined; discuss whether waters were determined to be similarly situated to the subject water; discuss data, provide analysis, and summarize how the waters did not have more than a speculative or insubstantial effect on the physical, chemical, or biological integrity of the (a)(1)-(a)(3) water.
N/A	N/A	N/A	N/A
N/A	N/A	N/A	N/A






Table 10. Non-Waters/Excluded Waters and Features

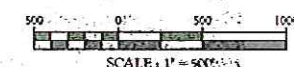
Paragraph (b) Excluded Feature/Water Name	Rationale for Paragraph (b) Excluded Feature/Water and Additional Discussion.
Wetland Area #8	Wetland Area #8 is part of a drainage ditch system, that was excavated in uplands, that likely has ephemeral flow to Monocacy Creek. Wetland Area #8 likely formed due to debris causing water to stay within the drainage system.
N/A	N/A


Table 11. Non-Waters/Other

Other Non-Waters of U.S. Feature/Water Name	Rationale for Non-Waters of U.S. Feature/Water and Additional Discussion.
N/A	N/A



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1	1/10/18	CHC																	
2	6/26/19	PHD																	
3	6/26/19	PHD																	
4		PHG																	

WETLAND DELINEATION MAP

FOR


PROJECT ORIGIN

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SHEET TITLE:

WETLAND DELINEATION OVERALL MAP

SHEET NUMBER:

1 of 18



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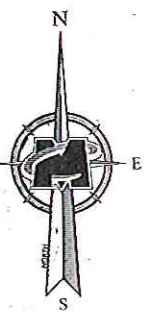
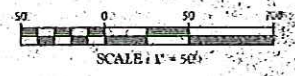
WETLAND DELINEATION MAP A

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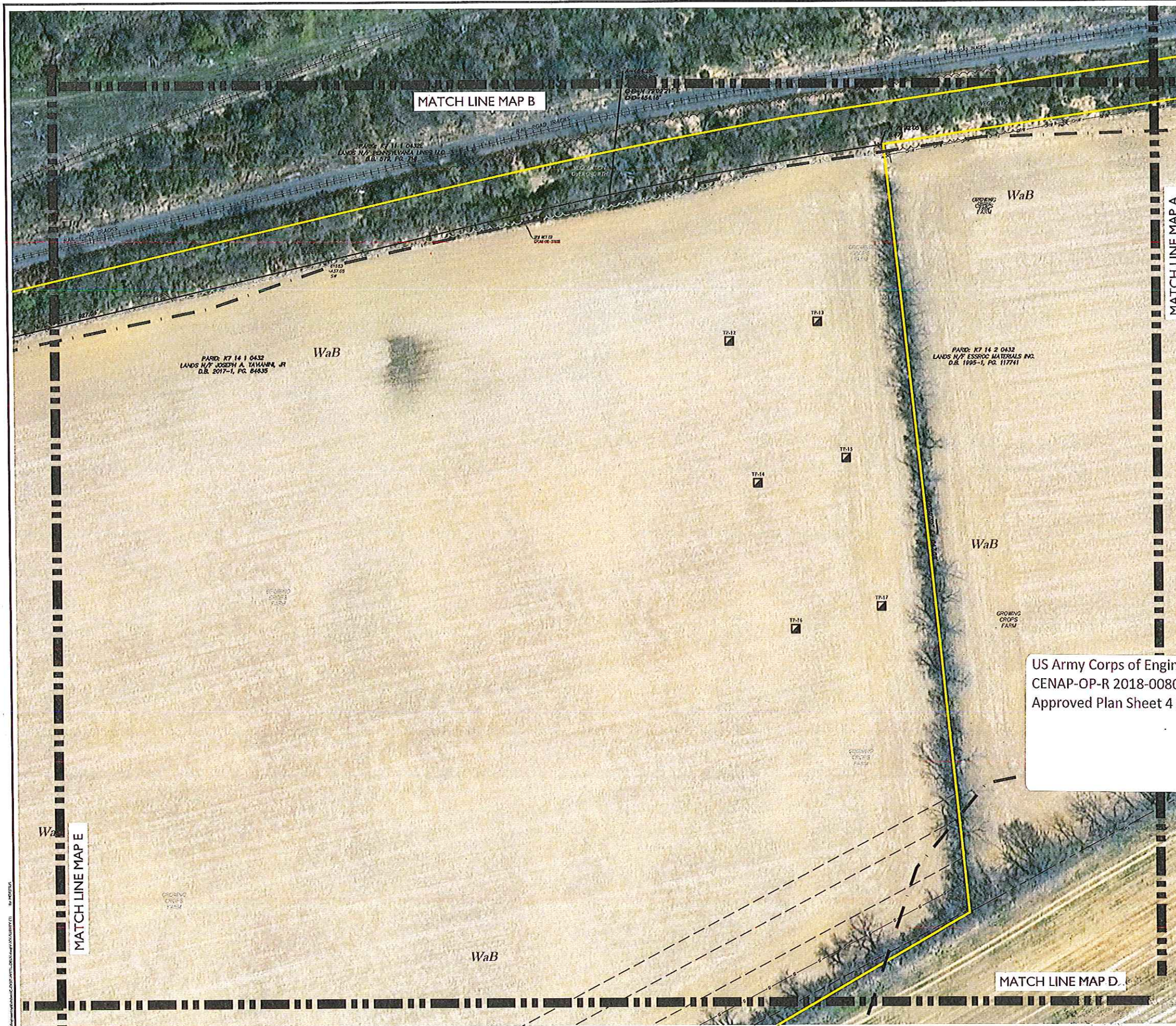
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19	5/28/18	MD	REVISED PER USACE COMMENTS
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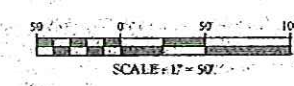
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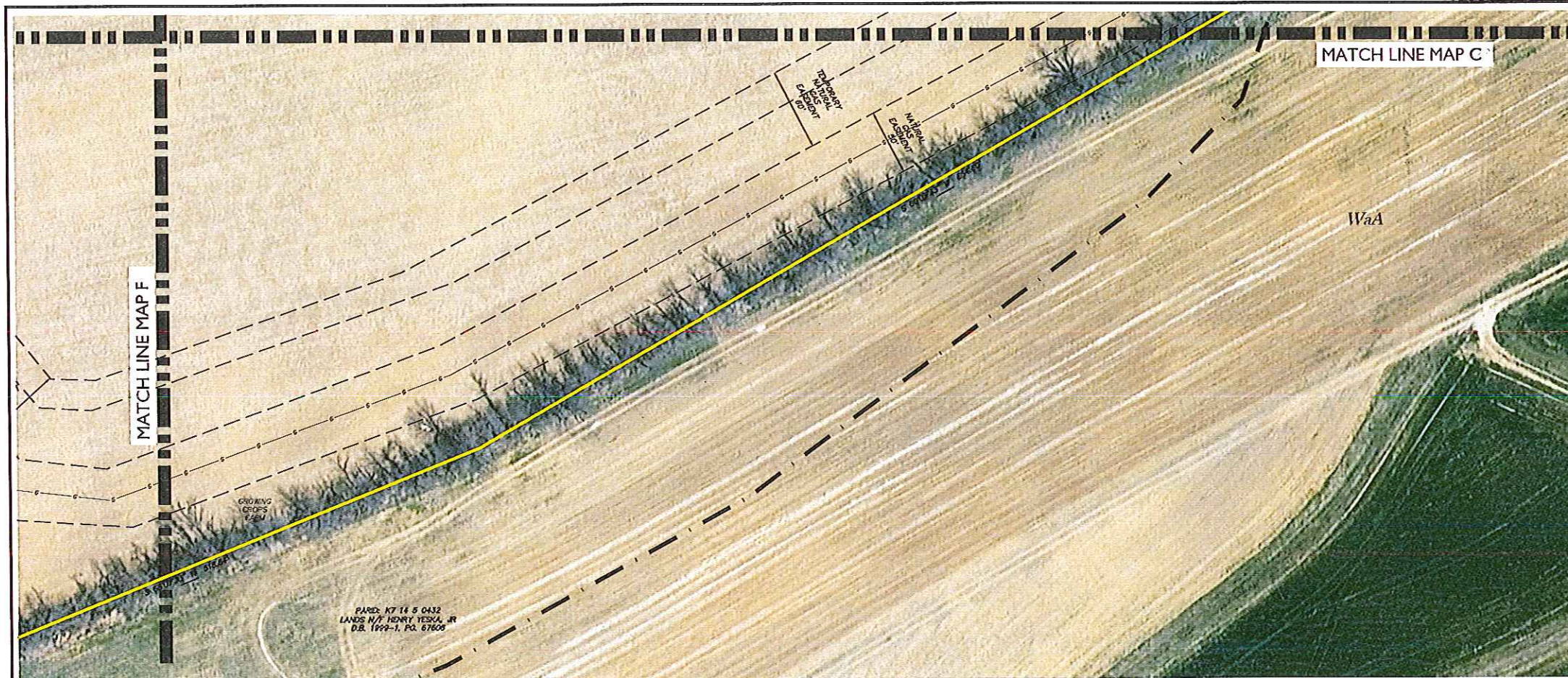
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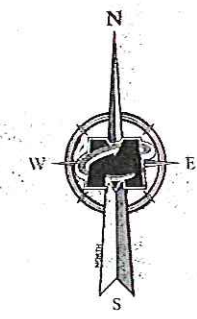
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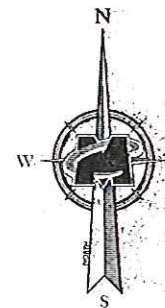
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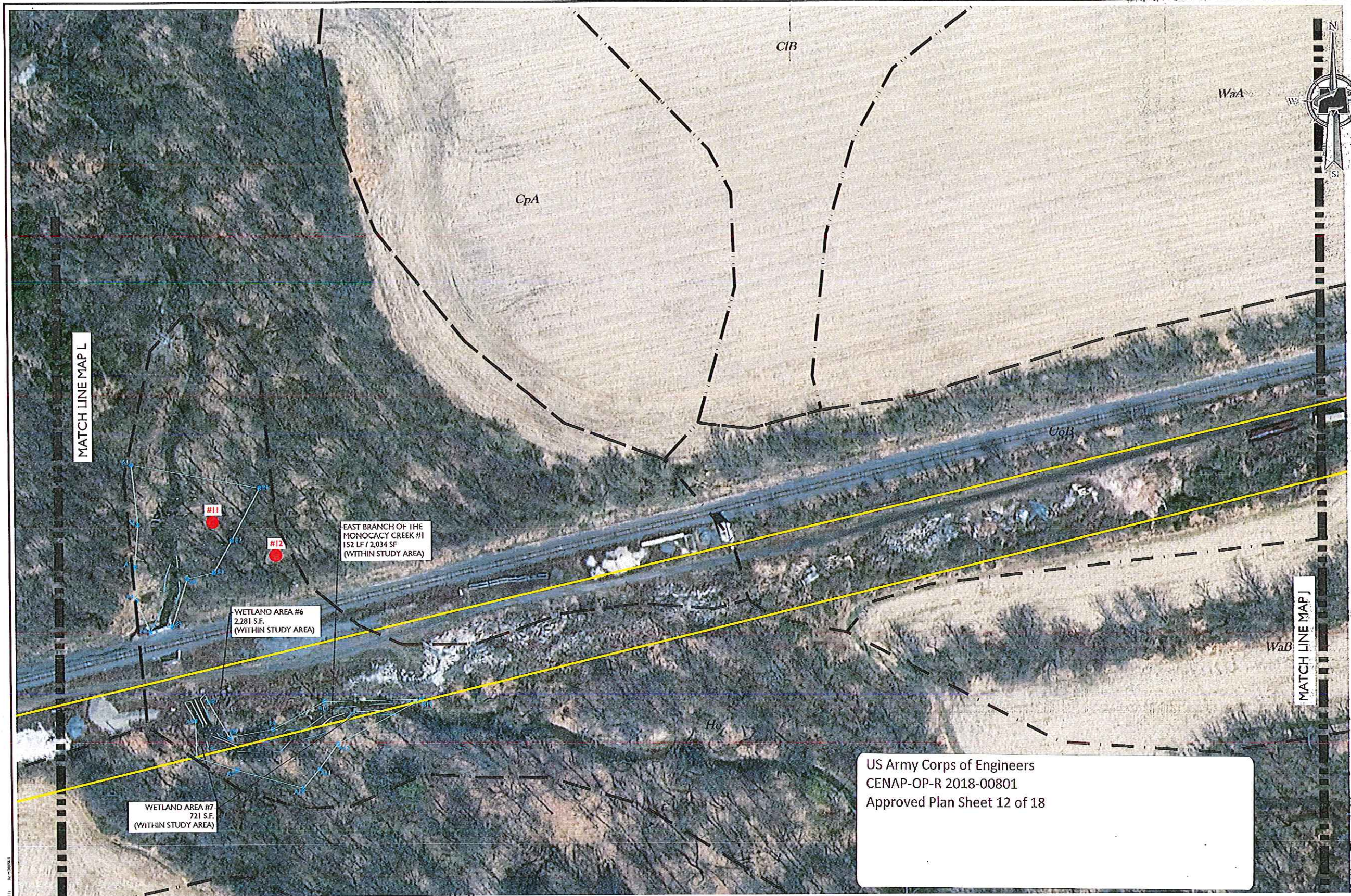


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1	1/10/18	REVISED PROJECT AREA	MD	MD	REVISED PER UPDATED SURVEY CONDUCTED IN JULY 2018.
2	8/28/19	REVISED PER USACE COMMENTS.	MD	MD	
3	8/28/19	REVISED PER USACE COMMENTS.	MD	MD	
4	8/28/19	REVISED PER USACE COMMENTS.	MD	MD	
5					
6					
7					
8					
9					
10					

WETLAND DELINEATION
MAP
FOR
PROJECT TADMOR

3363 GUN CLUB ROAD
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NORTHAMPTON COUNTY
PENNSYLVANIA

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PROJECT NUMBER	DRAWING NAME		
1800145A	CENAP-WETDELIN		

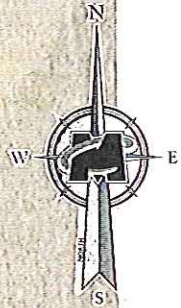
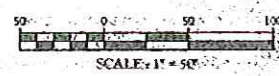
WETLAND DELINEATION
MAP K



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MATCH LINE MAP O

- STUDY AREA BOUNDARY
- WETLAND BOUNDARY
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3	08/08/18	REVISED PER			REVISED PER	08/08/18
4	08/08/18	REVISED PER			REVISED PER	08/08/18

WETLAND DELINEATION MAP
FOR
PROJECT TADMOR

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UPPER NAZARETH TWP.
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PENNSYLVANIA

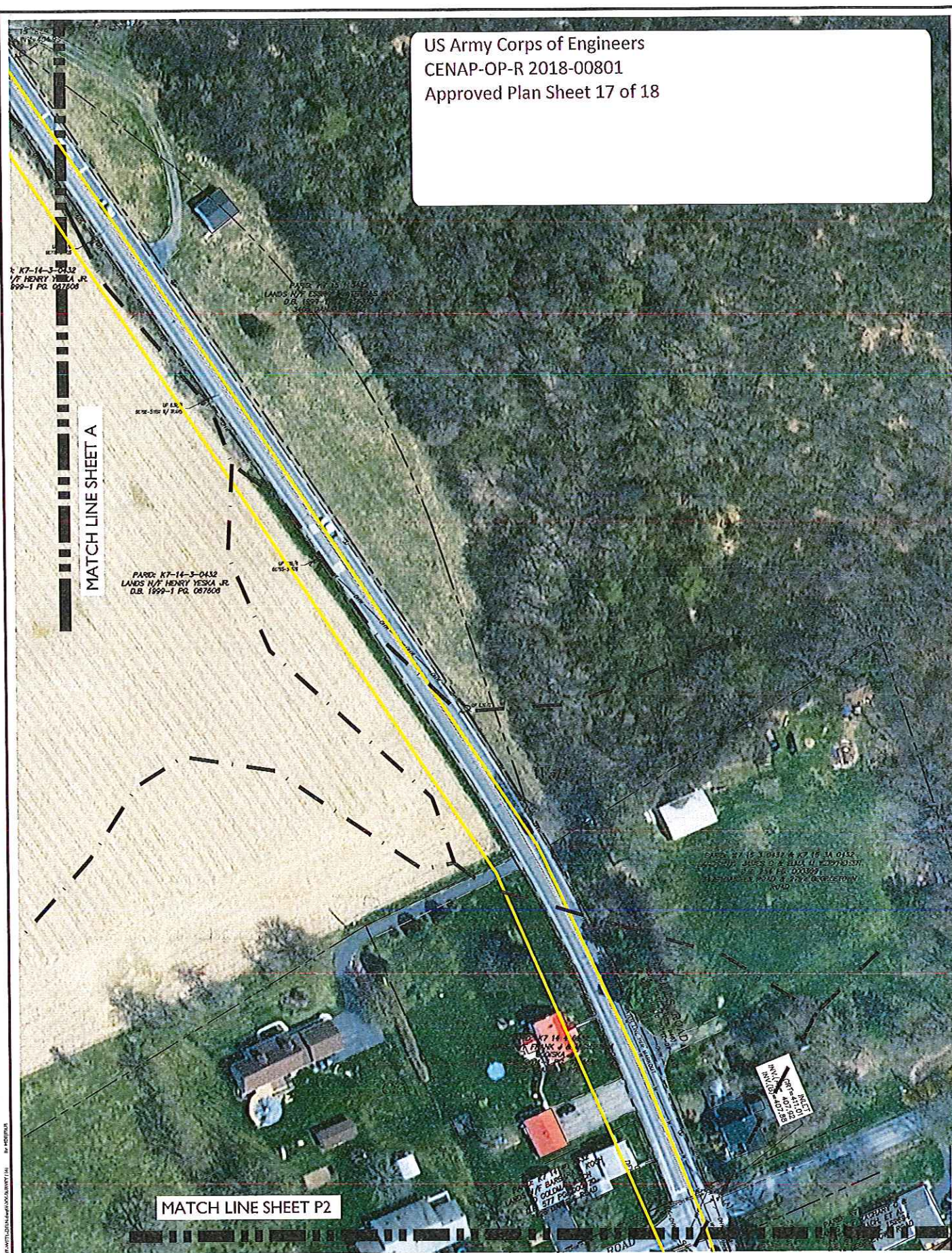
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PROJECT NAME: 180716A
DRAWING NAME: CENAP-WETLDRN

WETLAND DELINEATION MAP N
15 of 18

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CENAP-OP-R 2018-00801
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LAYOUT #1



LAYOUT #2

- STUDY AREA BOUNDARY
- WETLAND BOUNDARY
- SOIL BOUNDARY
- DATA STATION
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3	8/28/18	REVISED PER LATEST SURVEY CONDUCTED IN JULY 2018	MD	MD
4	8/28/18	REVISED PER LATEST SURVEY CONDUCTED IN JULY 2018	MD	MD

WETLAND DELINEATION MAP
FOR
PROJECT TADMOR

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NORTHAMPTON COUNTY
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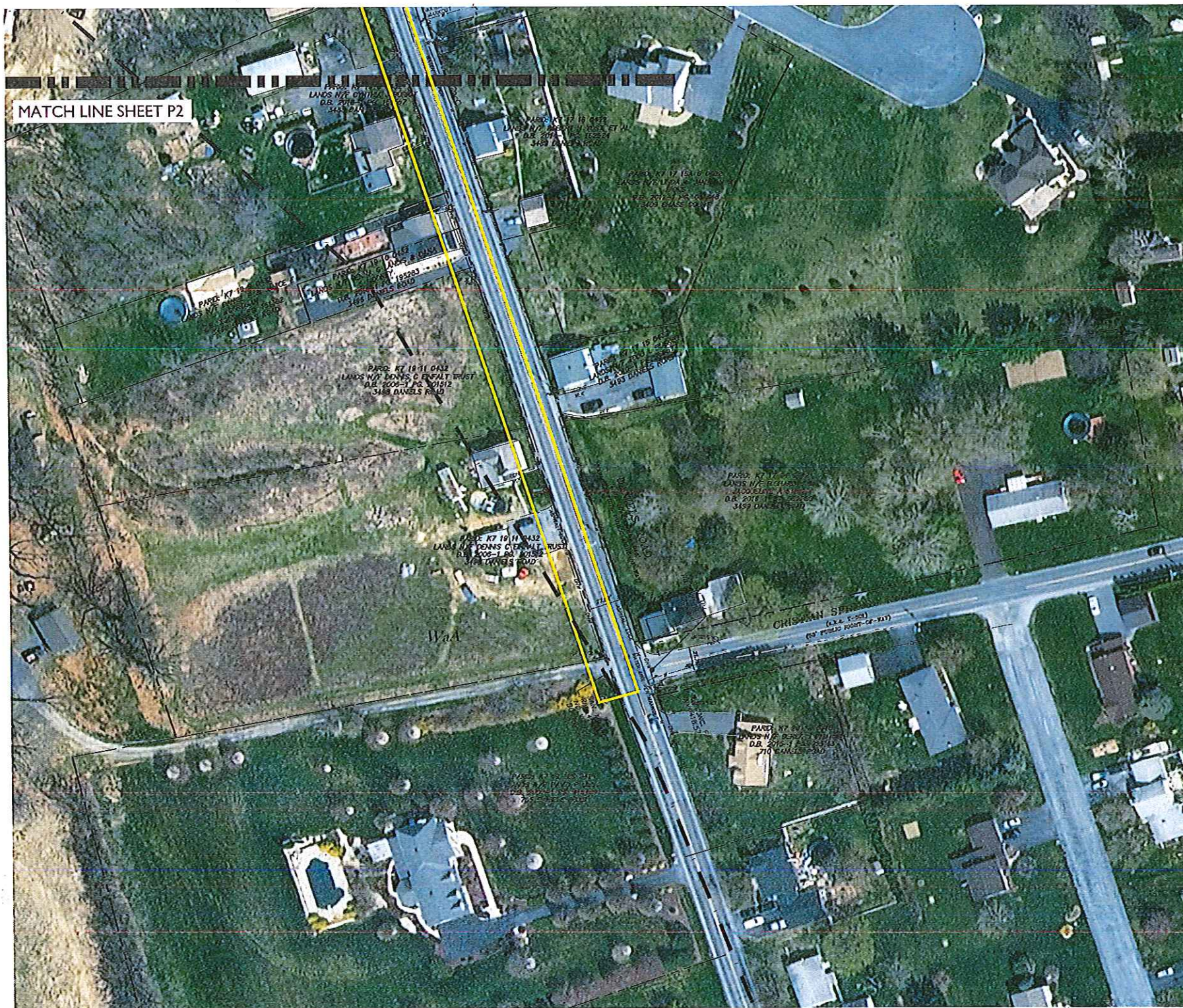
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PROJECT NUMBER: 18000416A
DRAWING NAME: CENAP-WET-DELIN

SHEET TITLE: WETLAND DELINEATION MAP P

SHEET NUMBER: 17 of 18



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- STUDY AREA BOUNDARY
- WETLAND BOUNDARY
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2	08/08/18	REVISED PER LATEST SURVEY CONDUCTED IN JULY 2018.	MD	MD	08/08/18	REVISED PER LATEST SURVEY CONDUCTED IN JULY 2018.	MD	MD
3	08/08/18	REVISED PER LATEST SURVEY CONDUCTED IN JULY 2018.	MD	MD	08/08/18	REVISED PER LATEST SURVEY CONDUCTED IN JULY 2018.	MD	MD
4	08/08/18	REVISED PER LATEST SURVEY CONDUCTED IN JULY 2018.	MD	MD	08/08/18	REVISED PER LATEST SURVEY CONDUCTED IN JULY 2018.	MD	MD

WETLAND DELINEATION
MAP
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SHEET TITLE			
WETLAND DELINEATION MAP Q			
SHEET NUMBER			
18 of 18			