NRCS Brodhead Tributaries
Canadensis, Pennsylvania
PA-464

Appendix C: Support Maps

INDEX

Layout Maps

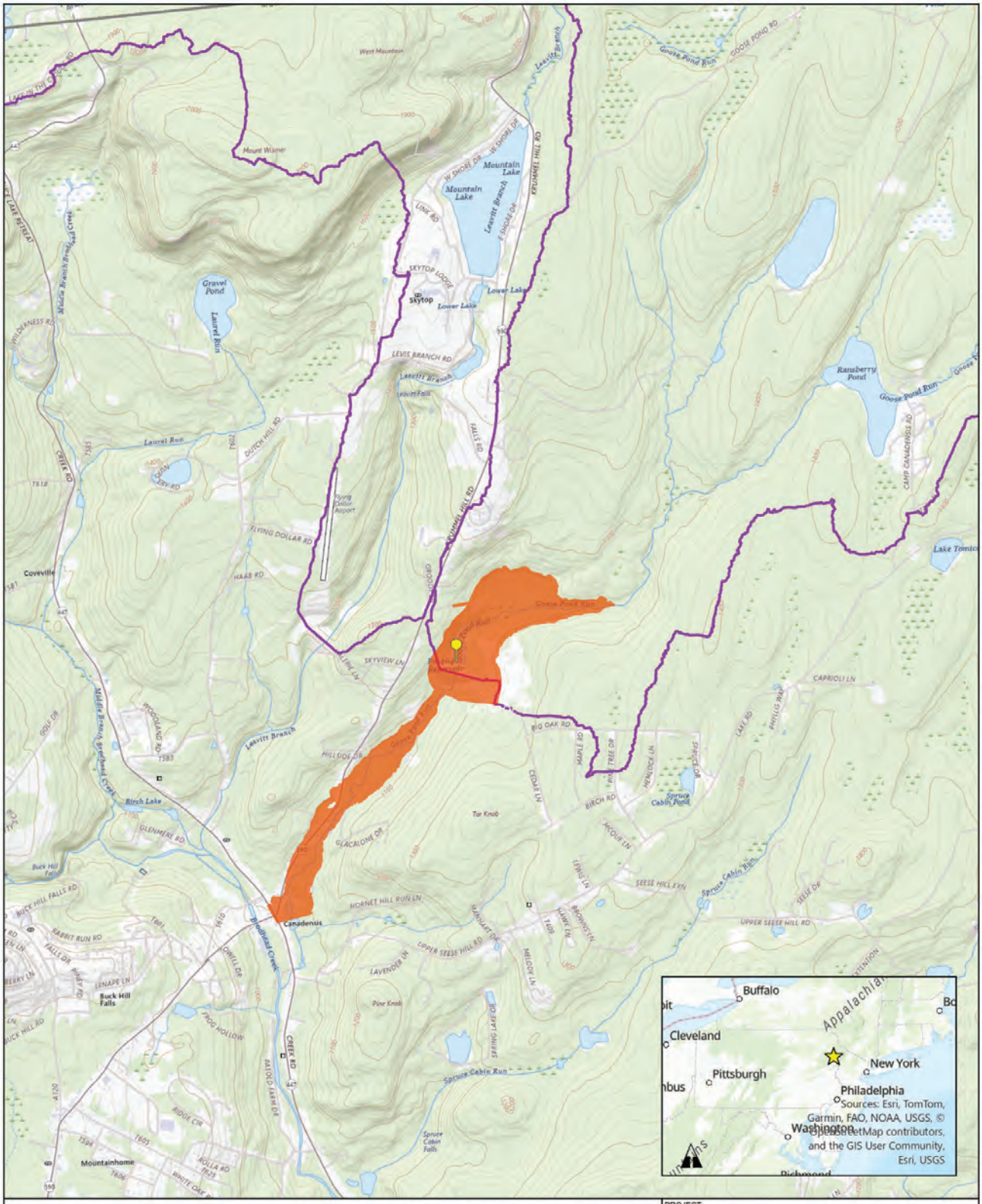
- USGS Location Map
- Aerial Location Map
- Affected Environment Map
- Existing Conditions Plan
- Preferred Alternative Plan

Flood Plain Maps

- Current Flood Insurance Rate Maps
- Breach Inundation and Study Area Map
- Floodplain Map
- Existing Conditions and Decommissioning 100-year Inundation map
- Existing Conditions and Decommissioning 500-year Inundation map
- Existing Conditions and Decommissioning FBH Inundation map
- No-Action Inundation Map
- Proposed Conditions Inundation Map

Support Maps

- Soils
- Landcover
- Topography
- Slopes
- Wetlands and Waterways
- Required Easements



USGS Location

- Dam
- Study Area: PA-464
- Project Watershed
- Town Boundary

0 1,000 2,000 3,000 Feet

Data Sources: Esri, NASA, NGA, USGS, FEMA, Esri Community Maps Contributors, data.pa.gov, New Jersey Office of GIS, Esri, TomTom, Garmin, SafeGraph, GeoTechnologies, Inc., METI/NASA, USGS, EPA, NPS, US Census Bureau, USDA, USFWS (Basemap); USGS National Hydrography Dataset, accessed 12/06/2022; PA DOT (Town Boundaries, 2020, accessed 11/20/2020).

PROJECT

Brodhead Tributaries Watershed Plan Environmental Assessment

PROJECT LOCATION

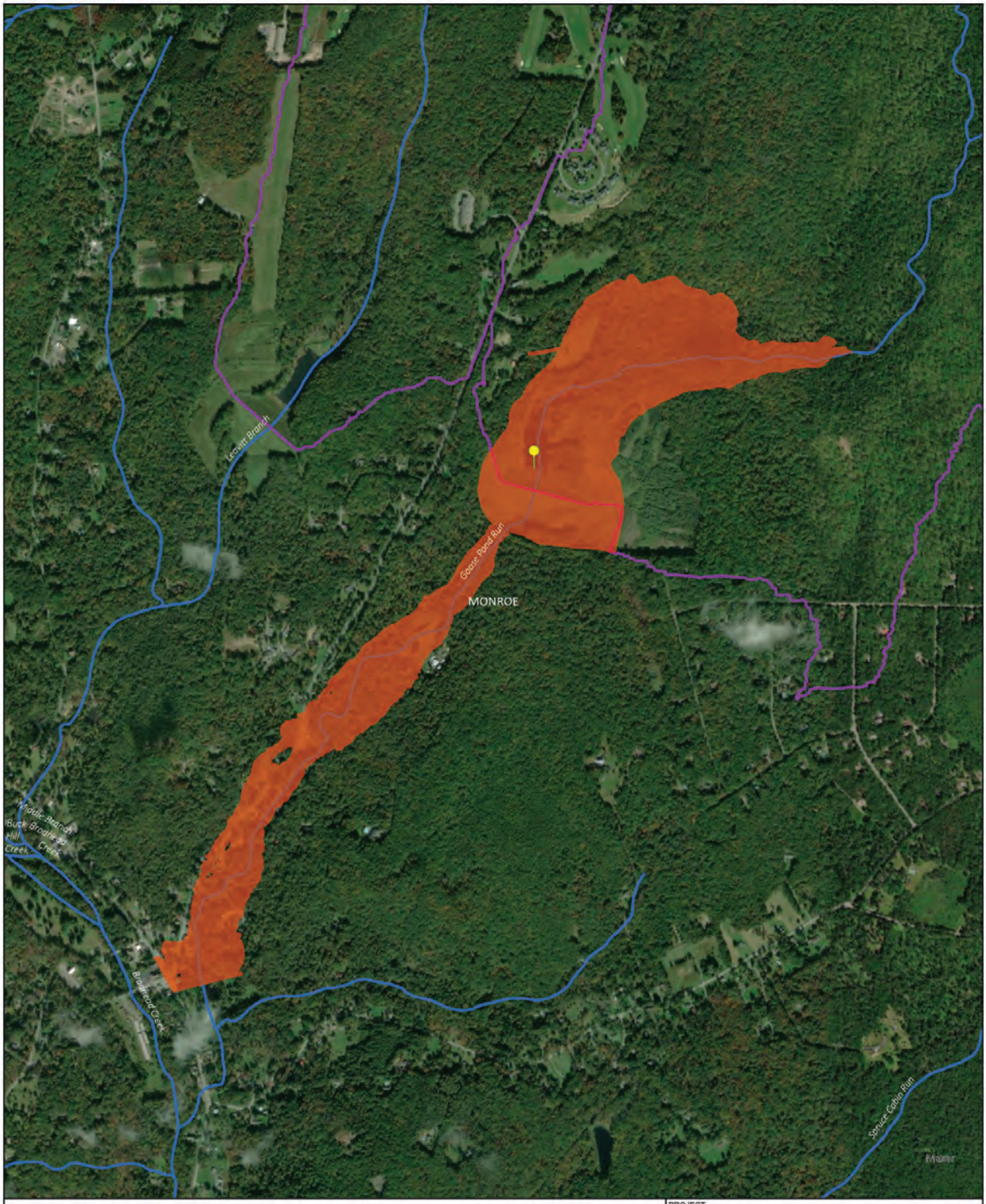
Brodhead Tributaries Watershed
Monroe County,
Pennsylvania

DATE

February 2025

NRCS Natural Resources Conservation Service

DDK Engineering-JV



Aerial

- Dam
- Study Area: PA-464
- Project Watershed
- Town Boundary
- Stream

0 510 1,020 1,530 Feet

Data Sources: Esri, NASA, NGA, USGS, FEMA, Esri Community Maps Contributors, data.pa.gov, New Jersey Office of GIS, Esri, TomTom, Garmin, SafeGraph, GeoTechnologies, Inc., METI/NASA, USGS, EPA, NPS, US Census Bureau, USDA, USFWS (Basemap); USGS National Hydrography Dataset, accessed 12/06/2022; PA DOT (Town Boundaries, 2020, accessed 11/20/2020).

PROJECT

Brodhead Tributaries Watershed Plan Environmental Assessment

PROJECT LOCATION

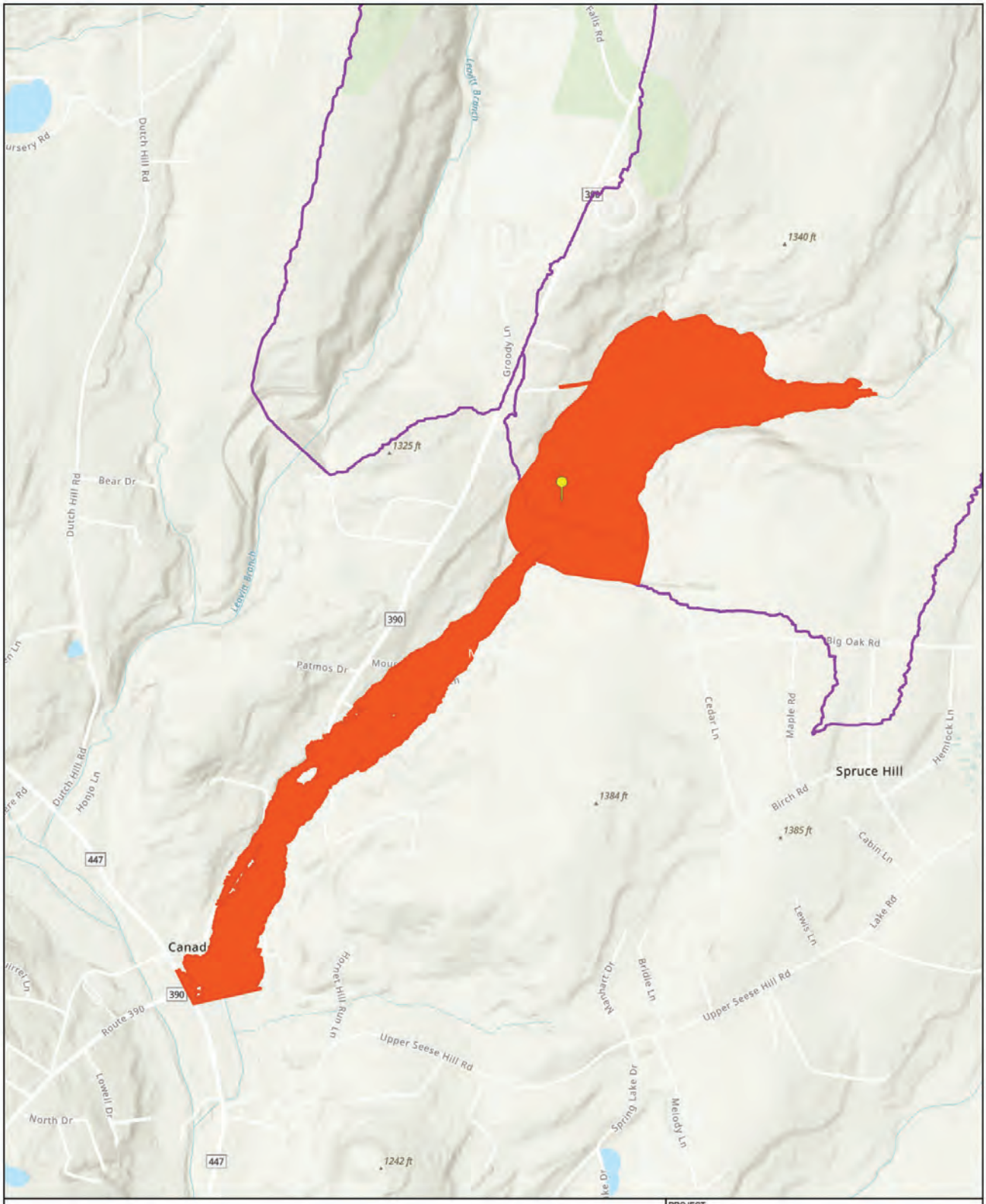
Brodhead Tributaries Watershed
Monroe County,
Pennsylvania

DATE

February 2025

NRCS Natural Resources Conservation Service

DDK Engineering-JV



Affected Environment

- Dam
- Study Area: PA-464
- Project Watershed
- Town Boundary

0 690 1,380 2,070 Feet

Data Sources: Esri, NASA, NGA, USGS, FEMA, Esri Community Maps Contributors, data.pa.gov, New Jersey Office of GIS, Esri, TomTom, Garmin, SafeGraph, GeoTechnologies, Inc., METI/NASA, USGS, EPA, NPS, US Census Bureau, USDA, USFWS (Basemap); USGS National Hydrography Dataset, accessed 12/06/2022; PA DOT (Town Boundaries, 2020, accessed 11/20/2020).

PROJECT

Brodhead Tributaries Watershed Plan Environmental Assessment

PROJECT LOCATION

Brodhead Tributaries Watershed
Monroe County, Pennsylvania

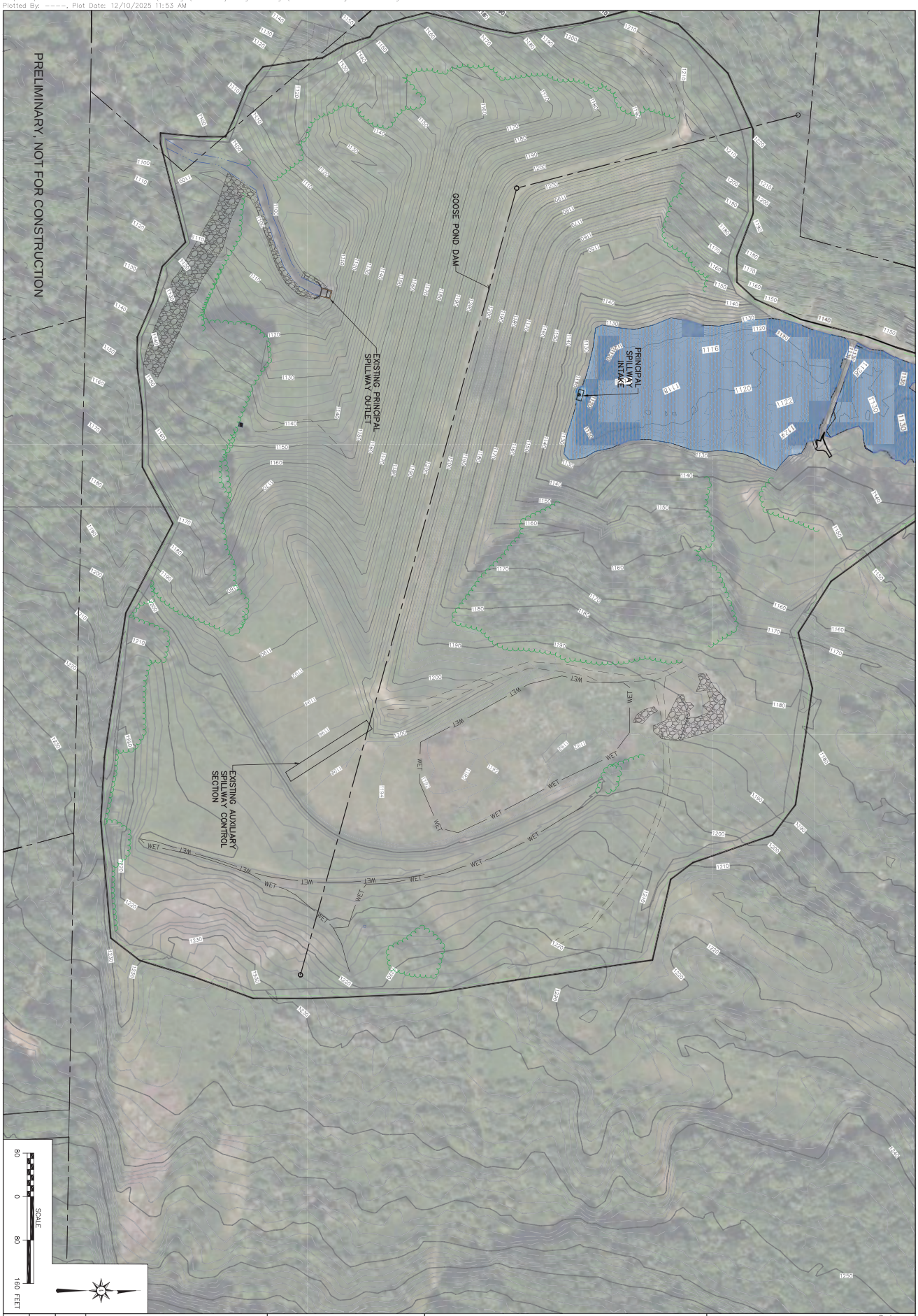
DATE

February 2025

NRCS Natural Resources Conservation Service

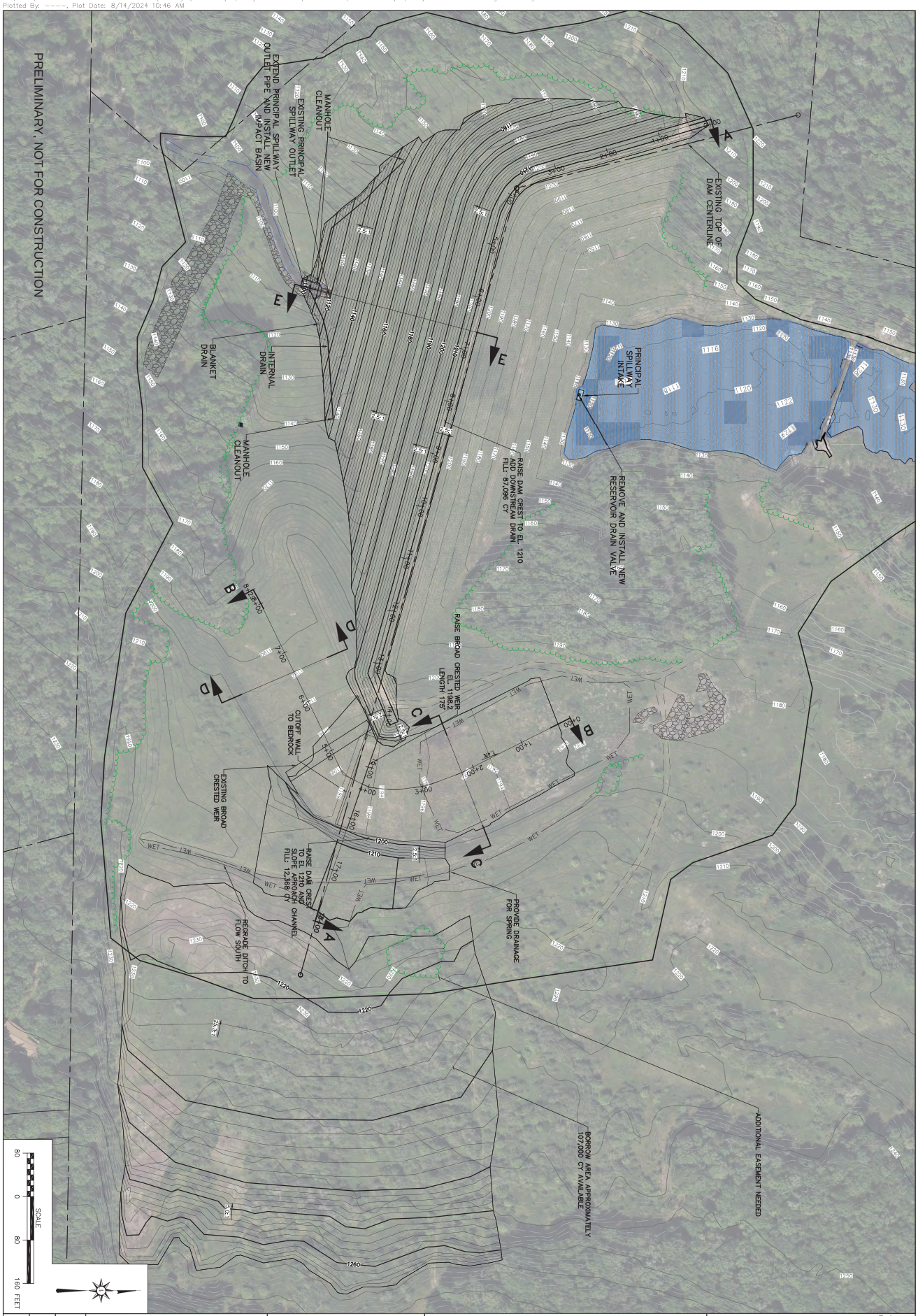
DDK Engineering-JV

R:\2017\172719-33 - Brodhead Tributaries\Drawings\Preliminary Design Drawings\Goose - Existing Conditions.dwg
Plotted By: ----, Plot Date: 12/10/2025 11:53 AM

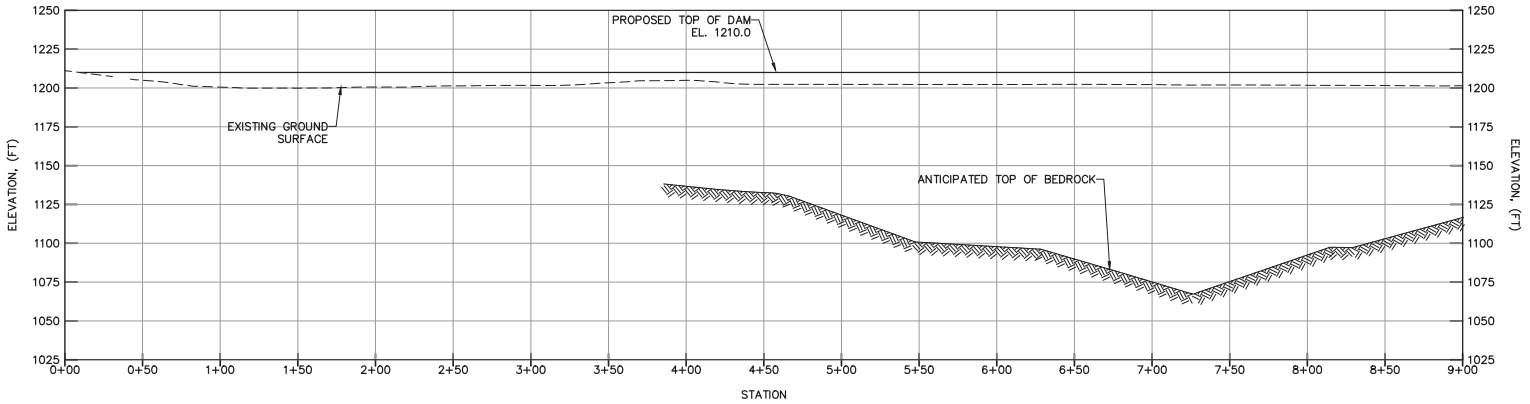


Sheet 1 of 1	Drawing No. 1	Project No. 172719-33	USDA United States Department of Agriculture, Natural Resources Conservation Service	DDK Engineering-JV	**BRODHEAD TRIBUTARIES FLOOD PROTECTION PROJECT** **LEAVITT BRANCH DAM & GOOSE POND DAM** **MONROE COUNTY, PENNSYLVANIA** GOOSE POND DAM EXISTING CONDITIONS	Designed MMS 12/2025 Drawn MMS 12/2025 Checked Approved

R:\2017\172719-33 - Brodhead Tributaries\Drawings\Preliminary Spillway Alternatives\Goose - Proposed Auxiliary Spillway - Alt 18 - Existing Broad.dwg
Plotted By: ----, Plot Date: 8/14/2024 10:46 AM

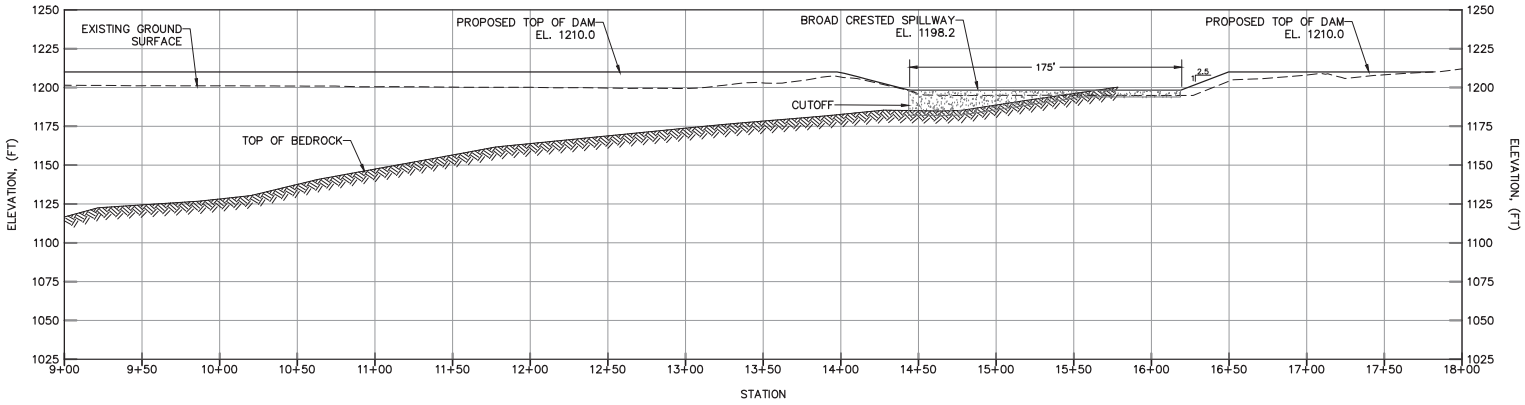


Sheet 1 of 4	Drawing No. 41	Project No. 172719-33	USDA United States Department of Agriculture, Natural Resources Conservation Service	DDK Engineering-JV	BRODHEAD TRIBUTARIES FLOOD PROTECTION PROJECT LEAVITT BRANCH DAM & GOOSE POND DAM MONROE COUNTY, PENNSYLVANIA GOOSE POND DAM PREFFERED DESIGN OPTION 18	Designed MMS 06/2024 Drawn MMS 06/2024 Checked Approved



SECTION A–A (STA. 0+00 TO 9+00)

SCALE
40 0 40 80 FEET



SECTION A–A (STA. 9+00 TO 18+00)

SCALE
40 0 40 80 FEET

PRELIMINARY, NOT FOR CONSTRUCTION

R:\2017\172719-33 - Brodhead Tributaries\Drawings\Preliminary Spillway Alternatives\Goose - Proposed Auxiliary Spillway - Alt 18 - Existing Broad.dwg
Plotted By: ---, Plot Date: 8/14/2024 10:46 AM

Date
Designed MWS 08/2024
Drawn MWS 08/2024
Checked -----
Approved -----

BRODHEAD TRIBUTARIES FLOOD PROTECTION PROJECT
LEAVITT BRANCH DAM & GOOSE POND DAM
MONROE COUNTY, PENNSYLVANIA
GOOSE POND DAM
DESIGN OPTION 18 - SECTIONS (SHEET 1)

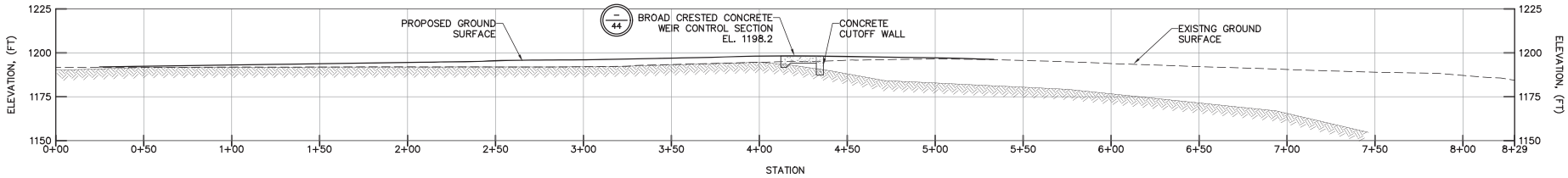
DDK Engineering-JV

United States Department of Agriculture
Natural Resources Conservation Service

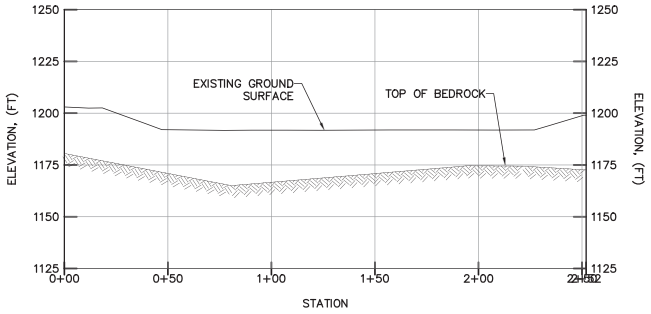
Project No.
172719-33

Drawing No.
42

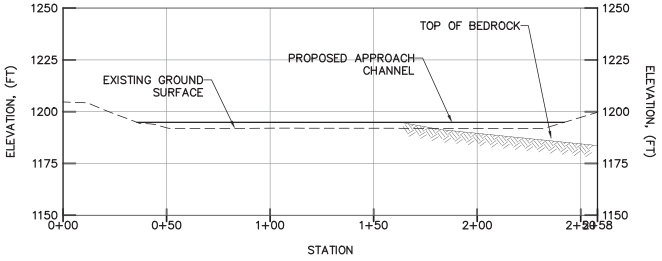
Sheet 2 of 4



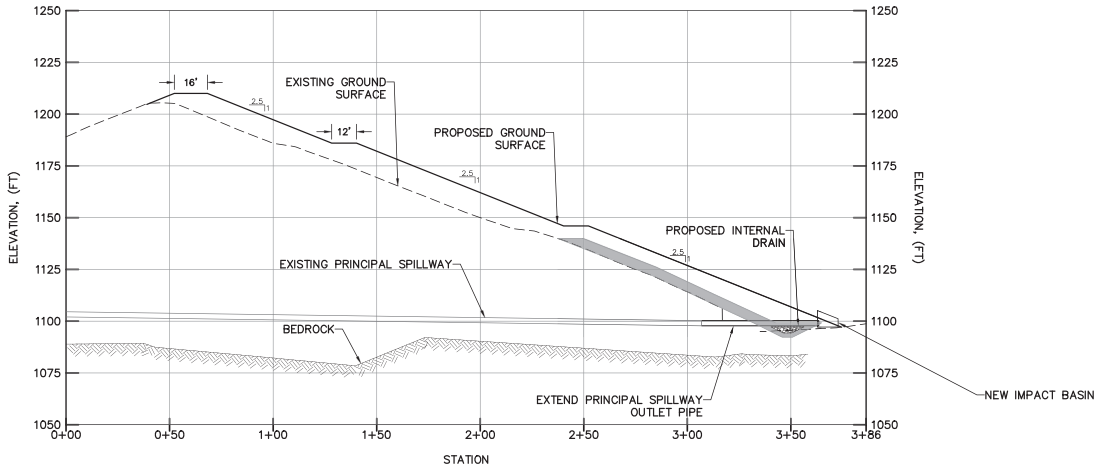
SECTION B–B



SECTION D–D



SECTION C–C



SECTION E–E

SCALE
30 0 30 60 FEET

PRELIMINARY, NOT FOR CONSTRUCTION

R:\2017\172719-33 – Brodhead Tributaries\Drawings\Preliminary Spillway Alternatives\Goose – Proposed Auxiliary Spillway – Alt 18 – Existing Broad.dwg
Plotted By: ----, Plot Date: 8/14/2024 10:47 AM

Date
Designed MMS 06/2024
Drawn MMS 06/2024
Checked ----- -----
Approved ----- -----

BRODHEAD TRIBUTARIES FLOOD PROTECTION PROJECT
LEAVITT BRANCH DAM & GOOSE POND DAM
MONROE COUNTY, PENNSYLVANIA
GOOSE POND DAM
DESIGN OPTION 18 - SECTIONS (SHEET 2)

DDK Engineering-JV

USDA United States Department of Agriculture
Natural Resources Conservation Service

Project No. 172719-33
Drawing No. 43
Sheet 3 of 4

1 BROAD CRESTED WEIR CONTROL SECTION
NTS

PRELIMINARY, NOT FOR CONSTRUCTION

R:\2017\172719-33 - Brodhead Tributaries\Drawings\Preliminary Spillway Alternatives\Goose - Proposed Auxiliary Spillway - Alt 18 - Existing Brood.dwg
Plotted By: ---. Plot Date: 8/14/2024 10:47 AM

Project No. 172719-33	USDA United States Department of Agriculture Natural Resources Conservation Service USDA is an equal opportunity provider, employer, and lender.	DDK Engineering-JV	BRODHEAD TRIBUTARIES FLOOD PROTECTION PROJECT LEAVITT BRANCH DAM & GOOSE POND DAM MONROE COUNTY, PENNSYLVANIA GOOSE POND DAM DESIGN OPTION 18 - DETAILS
Drawing No. 44			
Sheet 4 of 4			

Designed	MAS	08/2024
Drawn	MAS	08/2024
Checked	-----	-----
Approved	-----	-----

75°15'W 41°13'14.12"N



75°13'7.08"W 41°11'8.44"N

FLOOD HAZARD INFORMATION

SEE FIS REPORT FOR DETAILED LEGEND AND INDEX MAP FOR DRAFT FIRM PANEL LAYOUT

SPECIAL FLOOD HAZARD AREAS
- Without Base Flood Elevation (BFE) Zone A, V, A99
- With BFE or Depth Zone AE, AO, AH, VE, AR
- Regulatory Floodway

OTHER AREAS OF FLOOD HAZARD
- 0.2% Annual Chance Flood Hazard, Areas of 1% annual chance flood with average depth less than one foot or with drainage areas of less than one square mile Zone X
- Future Conditions 1% Annual Chance Flood Hazard Zone X
- Area with Reduced Flood Risk due to Levee See Notes Zone X
- Area with Flood Risk due to Levee Zone D

OTHER AREAS
- NO SCREEN Area of Minimal Flood Hazard Zone X
- Effective LOMRs
- Area of Undetermined Flood Hazard Zone D

GENERAL STRUCTURES
- Channel, Culvert, or Storm Sewer
- Levee, Dike, or Floodwall

OTHER FEATURES
- 20.2 Cross Sections with 1% Annual Chance
- 17.5 Water Surface Elevation
- 8 Coastal Transect
- Coastal Transect Baseline
- Profile Baseline
- Hydrographic Feature
- Base Flood Elevation Line (BFE)
- Limit of Study
- Jurisdiction Boundary

NOTES TO USERS

For information and questions about this Flood Insurance Rate Map (FIRM), available products associated with this FIRM, including historic versions, the current map date for each FIRM panel, how to order products, or the National Flood Insurance Program (NFIP) in general, please call the FEMA Map Information eXchange at 1-877-FEMA-MAP (1-877-336-2627) or visit the FEMA Flood Map Service Center website at https://msc.fema.gov. Available products may include previously issued Letters of Map Change, a Flood Insurance Study Report, and/or digital versions of this map. Many of these products can be ordered or obtained directly from the website.

Communities annexing land on adjacent FIRM panels must obtain a current copy of the adjacent panel as well as the current FIRM Index. These may be ordered directly from the Flood Map Service Center at the number listed above.

For community and countywide map dates, refer to the Flood Insurance Study Report for this jurisdiction.

To determine if flood insurance is available in this community, contact your Insurance agent or call the National Flood Insurance Program at 1-800-638-6620.

Basemap information shown on this FIRM was provided in digital format by USDA, Farm Service Agency (FSA). This information was derived from NAIP, dated April 11, 2018.

This map was exported from FEMA's National Flood Hazard Layer (NFHL) on 12/3/2025 4:57 PM and does not reflect changes or amendments subsequent to this date and time. The NFHL and effective information may change or become superseded by new data over time. For additional information, please see the Flood Hazard Mapping Updates Overview Fact Sheet at https://www.fema.gov/media-library/assets/documents/118418

This map complies with FEMA's standards for the use of digital flood maps if it is not void as described below. The basemap shown complies with FEMA's basemap accuracy standards. This map image is void if the one or more of the following map elements do not appear: basemap imagery, flood zone labels, legend, scale bar, map creation date, community identifiers, FIRM panel number, and FIRM effective date.

SCALE

Map Projection:
GCS, Geodetic Reference System 1980;
Vertical Datum: NAVD88
For information about the specific vertical datum for elevation features, datum conversions, or vertical monuments used to create this map, please see the Flood Insurance Study (FIS) Report for your community at https://msc.fema.gov

1 inch = 500 feet 1:6,000

0 250 500 1,000 1,500 2,000 Feet

N

0 50 100 200 300 400 Meters

National Flood Insurance Program

NATIONAL FLOOD INSURANCE PROGRAM

FLOOD INSURANCE RATE MAP

PANEL 128 OF 535

Panel Contains:

COMMUNITY	NUMBER	PANEL
TOWNSHIP OF BARRETT	421884	0128

MAP NUMBER
42089C0128E
EFFECTIVE DATE
May 02, 2013

NOTES TO USERS

p is for use in administering the National Flood Insurance Program. It t necessarily identify all areas subject to flooding, particularly from local sources of small size. The **community map repository** should be d for possible updated or additional flood hazard information.

in more detailed information in areas where **Base Flood Elevations** and/or **floodways** have been determined, users are encouraged to consult d Profiles and Floodway Data and/or Summary of Stillwater Elevations ontained within the Flood Insurance Study (FIS) report that accompanies M. Users should be aware that BFEs shown on the FIRM represent whole-foot elevations. These BFEs are intended for flood insurance urposes only and should not be used as the sole source of flood n information. Accordingly, flood elevation data presented in the FIS should be utilized in conjunction with the FIRM for purposes of tion and/or floodplain management.

Base Flood Elevations shown on this map apply only landward of h American Vertical Datum of 1988 (NAVD 88). Users of this FIRM should e that coastal flood elevations are also provided in the Summary of Elevations tables in the Flood Insurance Study report for this jurisdiction. ns shown in the Summary of Stillwater Elevations tables should be used for tion and/or floodplain management purposes when they are higher than tions shown on this FIRM.

ies of the **floodways** were computed at cross sections and interpolated cross sections. The floodways were based on hydraulic considerations ard to requirements of the National Flood Insurance Program. Floodway nd other pertinent floodway data are provided in the Flood Insurance port for this jurisdiction.

areas not in Special Flood Hazard Areas may be protected by **flood structures**. Refer to Section 2.4 "Flood Protection Measures" of the surance Study report for information on flood control structures for this on.

jection used in the preparation of this map was Pennsylvania State Plane ne (FIPSZONE 3701). The **horizontal datum** was NAD 83, GRS80 . Differences in datum, spheroid, projection or State Plane zones used in uction of FIRMs for adjacent jurisdictions may result in slight positional es in map features across jurisdiction boundaries. These differences do t the accuracy of this FIRM.

evations on this map are referenced to the North American Vertical Datum These flood elevations must be compared to structure and ground s referenced to the same **vertical datum**. For information regarding on between the National Geodetic Vertical Datum of 1929 and the merican Vertical Datum of 1988, visit the National Geodetic Survey at http://www.ngs.noaa.gov or contact the National Geodetic Survey at ving address:

rmation Services
/NGS12
Geodetic Survey
, #9202
st-West Highway
ring, Maryland 20910-3282
3-3242

n **current** elevation, description, and/or location information for **bench** shown on this map, please contact the Information Services Branch National Geodetic Survey at **(301) 713-3242**, or visit its website at w.ngs.noaa.gov.

p information shown on this FIRM was obtained from the Monroe County Commission, including transportation, hydrography, and political es. These files were based on edited files which were scanned and and further rectified from orthophotography flown in 2003.

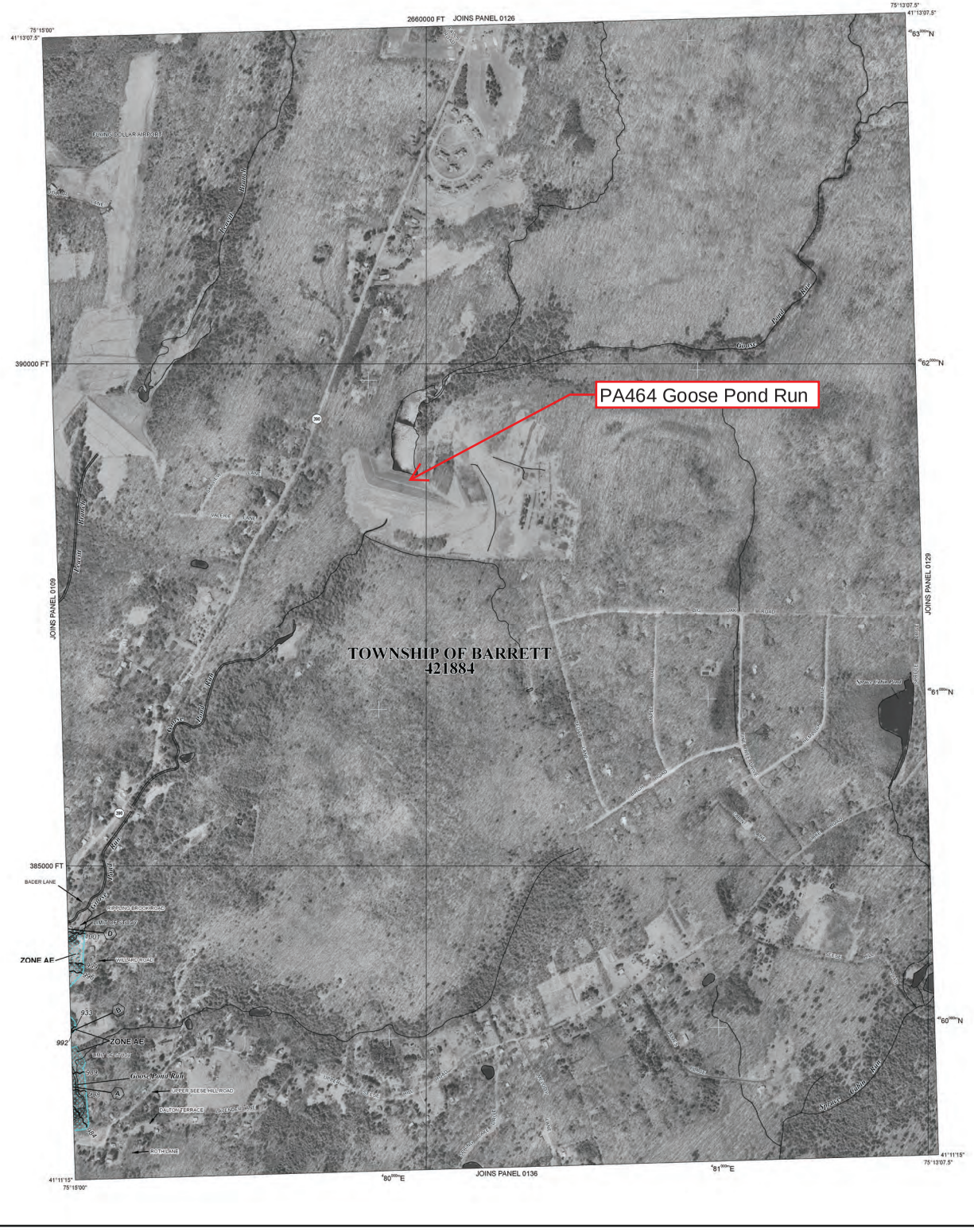
p reflects more detailed and up-to-date **stream channel configurations** se shown on the previous FIRM for this jurisdiction. The floodplains and s that were transferred from the previous FIRM may have been adjusted m to these new stream channel configurations. As a result, the Flood and Floodway Data tables in the Flood Insurance Study Report (which authoritative hydraulic data) may reflect stream channel distances that m what is shown on this map.

te limits shown on this map are based on the best data available at the ublication. Because changes due to annexations or de-annexations may curred after this map was published, map users should contact appropriate ity officials to verify current corporate limit locations.

efer to the separately printed **Map Index** for an overview map of the showing the layout of map panels; community map repository addresses; sting of Communities table containing National Flood Insurance Program r each community as well as a listing of the panels on which each ity is located.

rmation on available products associated with this FIRM visit the **Map Center (MSC)** website at http://msc.fema.gov. Available products may eviously issued Letters of Map Change, a Flood Insurance Study Report, digital versions of this map. Many of these products can be ordered or directly from the MSC website.

ave **questions about this map**, how to order products or the National nsurance Program in general, please call the FEMA Map Information e (FMIX) at **1-877-FEMA-MAP** (1-877-336-2627) or visit the FEMA at http://www.fema.gov/business/nfip.



LEGEND

SPECIAL FLOOD HAZARD AREAS SUBJECT TO INUNDATION BY THE 1% ANNUAL CHANCE FLOOD

The 1% annual flood (100-year flood), also known as the base flood, is the flood that has a 1% chance of being equaled or exceeded in any given year. The Special Flood Hazard Area is the area subject to flooding by the 1% annual chance flood. Areas of Special Flood Hazard include Zones A, AE, AH, AO, AR, A99, V, and VE. The Base Flood Elevation is the water-surface elevation of the 1% annual chance flood.

ZONE A	No Base Flood Elevations determined.
ZONE AE	Base Flood Elevations determined.
ZONE AH	Flood depths of 1 to 3 feet (usually areas of ponding); Base Flood Elevations determined.
ZONE AO	Flood depths of 1 to 3 feet (usually sheet flow on sloping terrain); average depths determined. For areas of alluvial fan flooding, velocities also determined.
ZONE AR	Special Flood Hazard Area formerly protected from the 1% annual chance flood by a flood control system that was subsequently decertified. Zone AR indicates that the former flood control system is being restored to provide protection from the 1% annual chance or greater flood.
ZONE A99	Area to be protected from 1% annual chance flood by a Federal flood protection system under construction; no Base Flood Elevations determined.
ZONE V	Coastal flood zone with velocity hazard (wave action); no Base Flood Elevations determined.
ZONE VE	Coastal flood zone with velocity hazard (wave action); Base Flood Elevations determined.

FLOODWAY AREAS IN ZONE AE

The floodway is the channel of a stream plus any adjacent floodplain areas that must be kept free of encroachment so that the 1% annual chance flood can be carried without substantial increases in flood heights.

OTHER FLOOD AREAS

ZONE X — Areas of 0.2% annual chance flood; areas of 1% annual chance flood with average depths of less than 1 foot or with drainage areas less than 1 square mile; and areas protected by levees from 1% annual chance flood.

OTHER AREAS

ZONE X — Areas determined to be outside the 0.2% annual chance floodplain.
ZONE D — Areas in which flood hazards are undetermined, but possible.

COASTAL BARRIER RESOURCES SYSTEM (CBRS) AREAS

OTHERWISE PROTECTED AREAS (OPAs)

CBRS areas and OPAs are normally located within or adjacent to Special Flood Hazard Areas.

- 1% annual chance floodplain boundary
- 0.2% annual chance floodplain boundary
- Floodway boundary
- Zone D boundary
- CBRS and OPA boundary
- Boundary dividing Special Flood Hazard Area Zones and boundary dividing Special Flood Hazard Areas of different Base Flood Elevations, flood depths or flood velocities.
- Limit of Moderate Wave Action
- 513 — Base Flood Elevation line and value; elevation in feet*
- (EL 987) — Base Flood Elevation value where uniform within zone; elevation in feet*

* Referenced to the North American Vertical Datum of 1988

- Cross section line
- Transect line
- Culvert, Flume, Penstock or Aqueduct
- Road or Railroad Bridge
- Footbridge
- 87°07'45", 32°22'30" — Geographic coordinates referenced to the North American Datum of 1983 (NAD 83), Western Hemisphere
- 4278000mN — 1000-meter Universal Transverse Mercator grid values, zone 18
- 600000 FT — 5000-foot grid values: Pennsylvania State Plane coordinate system, North zone (FIPSZONE 3701), Lambert Conformal Conic projection
- DX5510 — Bench mark (see explanation in Notes to Users section of this FIRM panel)
- M1.5 — River Mile

MAP REPOSITORY
Refer to listing of Map Repositories on Map Index

EFFECTIVE DATE OF COUNTYWIDE FLOOD INSURANCE RATE MAP
May 2, 2013

EFFECTIVE DATE(S) OF REVISION(S) TO THIS PANEL

For community map revision history prior to countywide mapping, refer to the Community Map History table located in the Flood Insurance Study report for this jurisdiction.

To determine if flood insurance is available in this community, contact your Insurance agent or call the National Flood Insurance Program at 1-800-638-6620.

MAP SCALE 1" = 500'

250 0 500 1000 FEET

150 0 150 300 METERS

NATIONAL FLOOD INSURANCE PROGRAM

PANEL 0128E

FIRM

FLOOD INSURANCE RATE

MONROE COUNTY, PENNSYLVANIA
(ALL JURISDICTIONS)

PANEL 128 OF 535
(SEE MAP INDEX FOR FIRM PANEL L

CONTAINS:

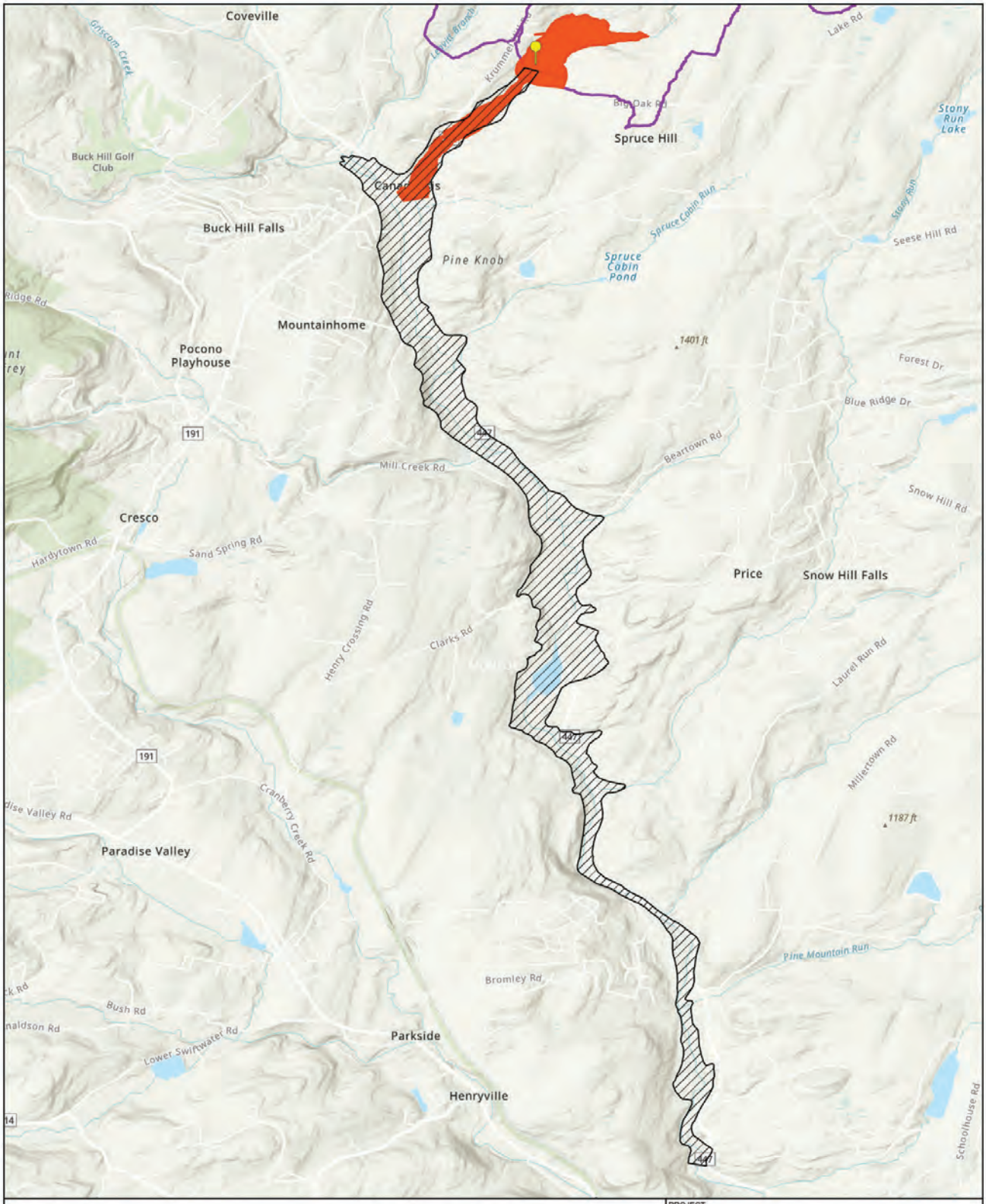
COMMUNITY	NUMBER	PANEL
BARRETT, TOWNSHIP OF	421884	0128

Notice to User: The **Map Number** shown below should be used when placing map orders; the **Community Number** shown above should be used on insurance applications for the subject community.

MAP NU
42089

EFFECTIV
MAY

Federal Emergency Management



Breach Inundation

- Dam
- Study Area: PA-464
- Project Watershed
- Town Boundary
- PA464_Inundation

0 0.4 0.8 1.2 Miles

Data Sources: Esri, NASA, NGA, USGS, FEMA, Esri Community Maps Contributors, data.pa.gov, New Jersey Office of GIS, Esri, TomTom, Garmin, SafeGraph, GeoTechnologies, Inc., METI/NASA, USGS, EPA, NPS, US Census Bureau, USDA, USFWS (Basemap); USGS National Hydrography Dataset, accessed 12/06/2022.

PROJECT

Brodhead Tributaries Watershed Plan Environmental Assessment

PROJECT LOCATION

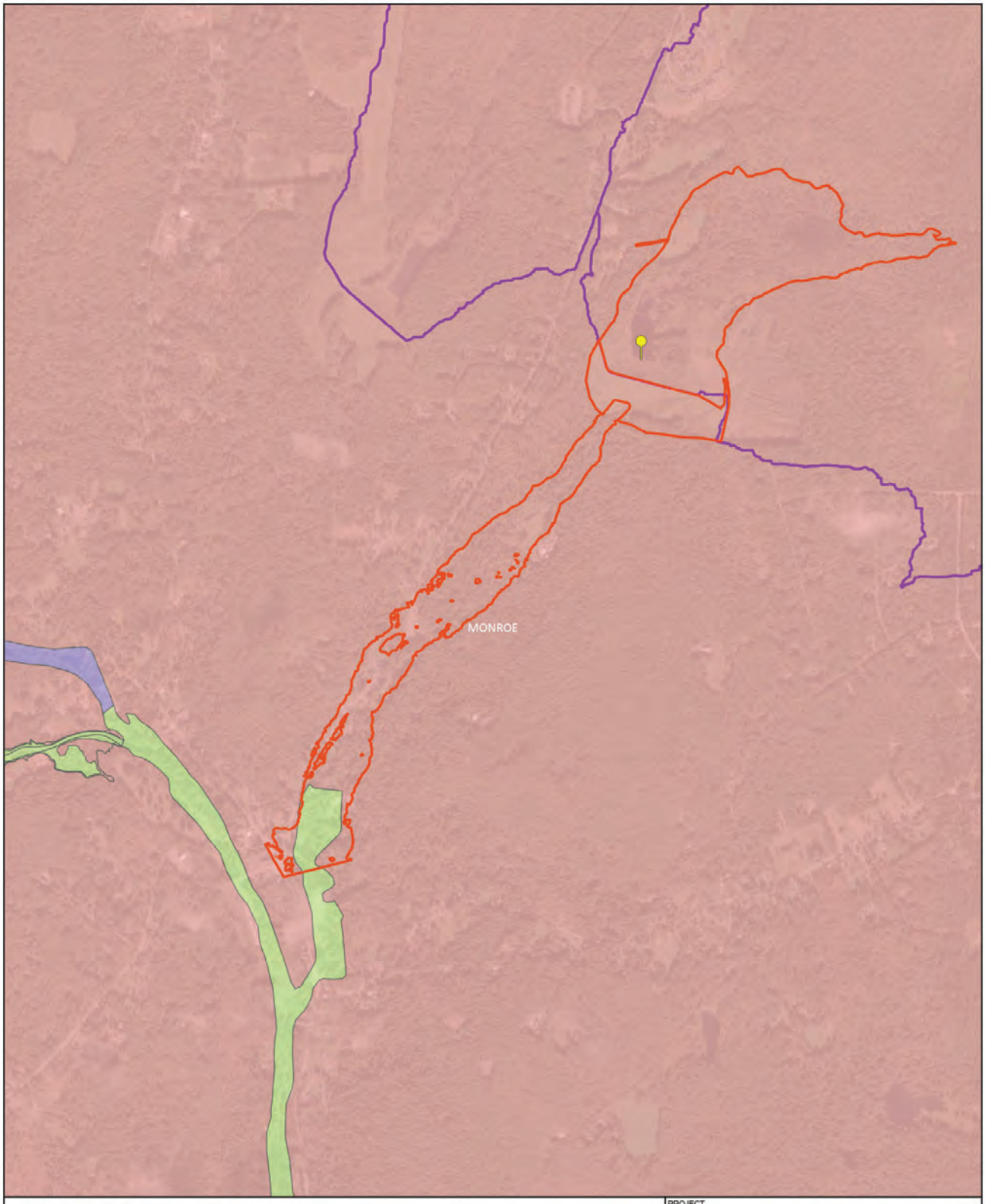
Brodhead Tributaries Watershed
Monroe County,
Pennsylvania

DATE

February 2025

NRCS Natural Resources Conservation Service

DDK Engineering-JV



Floodplain

- Dam
- Study Area: PA-464
- Project Watershed
- Town Boundary

FEMA Special Flood Hazard Area

- A
- AE
- X

0 510 1,020 1,530 Feet

Data Sources: Esri, NASA, NGA, USGS, FEMA, Esri Community Maps Contributors, data.pa.gov, New Jersey Office of GIS, Esri, TomTom, Garmin, SafeGraph, GeoTechnologies, Inc., METI/NASA, USGS, EPA, NPS, US Census Bureau, USDA, USFWS (Basemap); USGS National Hydrography Dataset, accessed 12/06/2022; PA DOT (Town Boundaries, 2020, accessed 11/20/2020); FEMA (FEMA_NFHL_MonroeCounty, accessed 12/06/2022).

PROJECT

Brodhead Tributaries Watershed Plan Environmental Assessment

PROJECT LOCATION

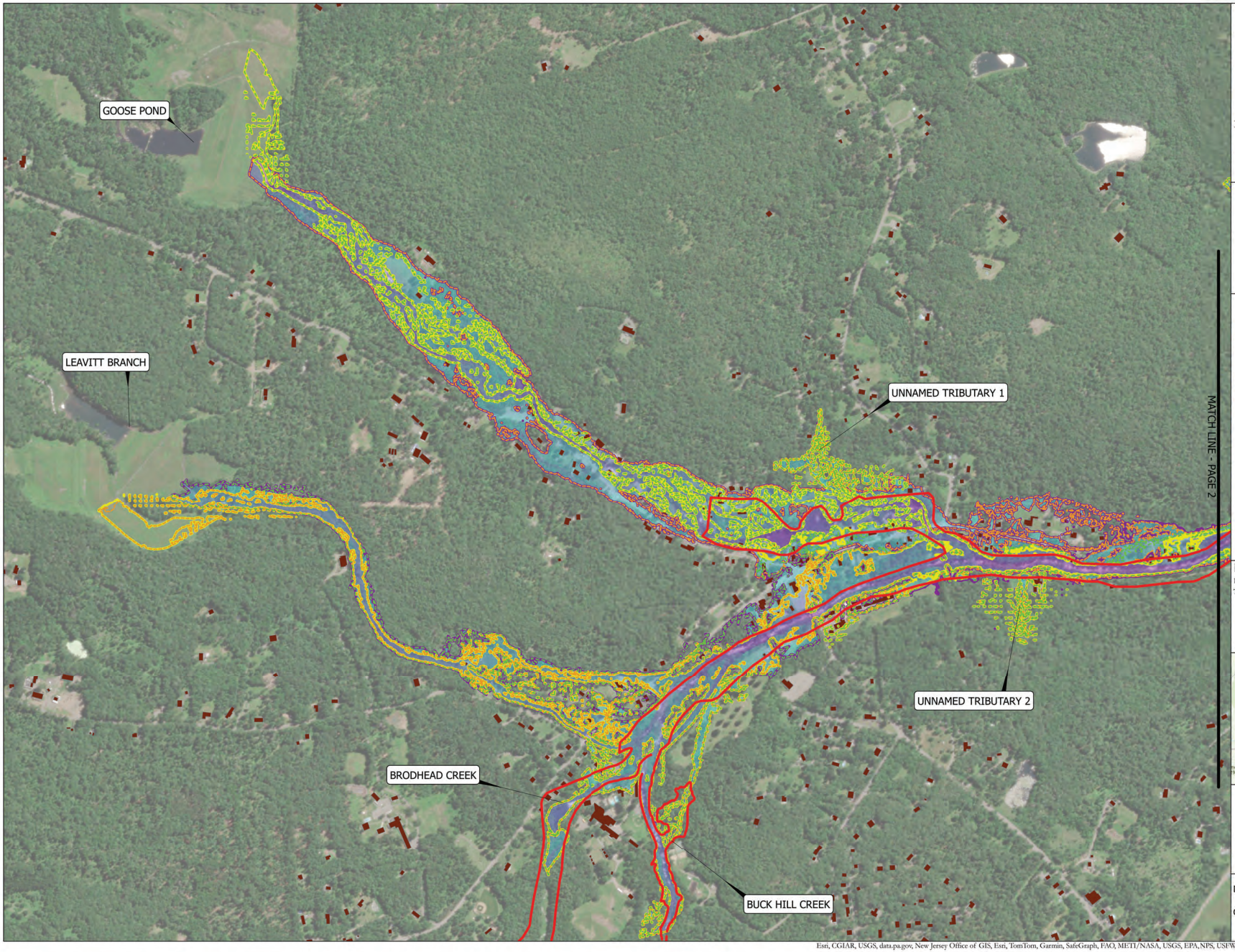
Brodhead Tributaries Watershed
Monroe County,
Pennsylvania

DATE

February 2025

NRCS Natural Resources Conservation Service

DDK Engineering-JV



BRODHEAD TRIBUTARIES INUNDATION MAP

LEAVITT BRANCH DAM AND GOOSE POND DAM
MONROE COUNTY, PENNSYLVANIA

100-YEAR UNSTEADY FLOW STORM EVENT INUNDATION MAP
PAGE 1 OF 3

N

400 200 0 400
US Feet

LEGEND

- FEMA 100-YEAR FLOOD BOUNDARY
- INUNDATION BOUNDARY LEAVITT DECOMMISSIONED
- INUNDATION BOUNDARY GOOSE DECOMMISSIONED
- INUNDATION BOUNDARY BOTH DAMS OPERATING
- INUNDATION BOUNDARY BOTH DAMS DECOMMISSIONED
- BUILDING FOOTPRINT

BOTH DAMS DECOMMISSIONED INUNDATION DEPTH

VALUE

- 23 FT
- 15 FT
- 10 FT
- 5 FT
- 0.001 FT

NOTES

1. FEMA FLOOD BOUNDARY SHOWN ON MAP USED DIFFERENT TOPOGRAPHY IN ANALYSIS

Coordinate System: NAD83 / Pennsylvania North



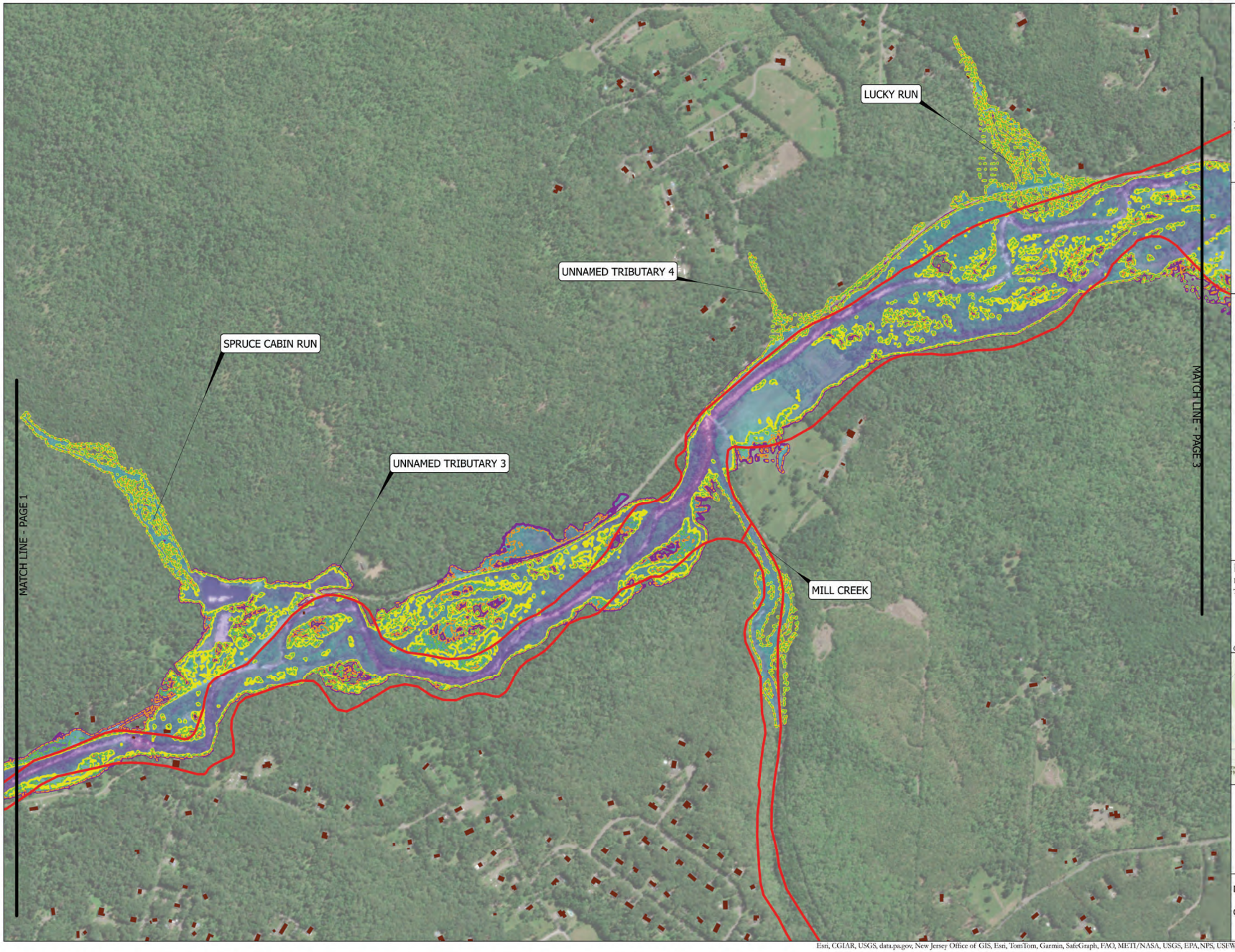
DDK Engineering-IV

USDA United States Department of Agriculture
Natural Resources Conservation Service

DRAWN BY: MMS DATE: 10/30/23
CHECKED BY: MJG DATE: 11/8/23

DRAWING NO. 26

Esri, CGIAR, USGS, data.pa.gov, New Jersey Office of GIS, Esri, TomTom, Garmin, SafeGraph, FAO, METI/NASA, USGS, EPA, NPS, USFWS, Maxar



BRODHEAD TRIBUTARIES INUNDATION MAP

LEAVITT BRANCH DAM AND GOOSE POND DAM
MONROE COUNTY, PENNSYLVANIA

100-YEAR UNSTEADY FLOW STORM EVENT INUNDATION MAP

PAGE 2 OF 3

N

400 200 0 400
US Feet

LEGEND

- FEMA 100-YEAR FLOOD BOUNDARY
- INUNDATION BOUNDARY LEAVITT DECOMMISSIONED
- INUNDATION BOUNDARY GOOSE DECOMMISSIONED
- INUNDATION BOUNDARY BOTH DAMS OPERATING
- INUNDATION BOUNDARY BOTH DAMS DECOMMISSIONED
- BUILDING FOOTPRINT

BOTH DAMS DECOMMISSIONED INUNDATION DEPTH

VALUE

- 23 FT
- 15 FT
- 10 FT
- 5 FT
- 0.001 FT

NOTES

1. FEMA FLOOD BOUNDARY SHOWN ON MAP USED DIFFERENT TOPOGRAPHY IN ANALYSIS

Coordinate System: NAD83 / Pennsylvania North



DDK Engineering-IV

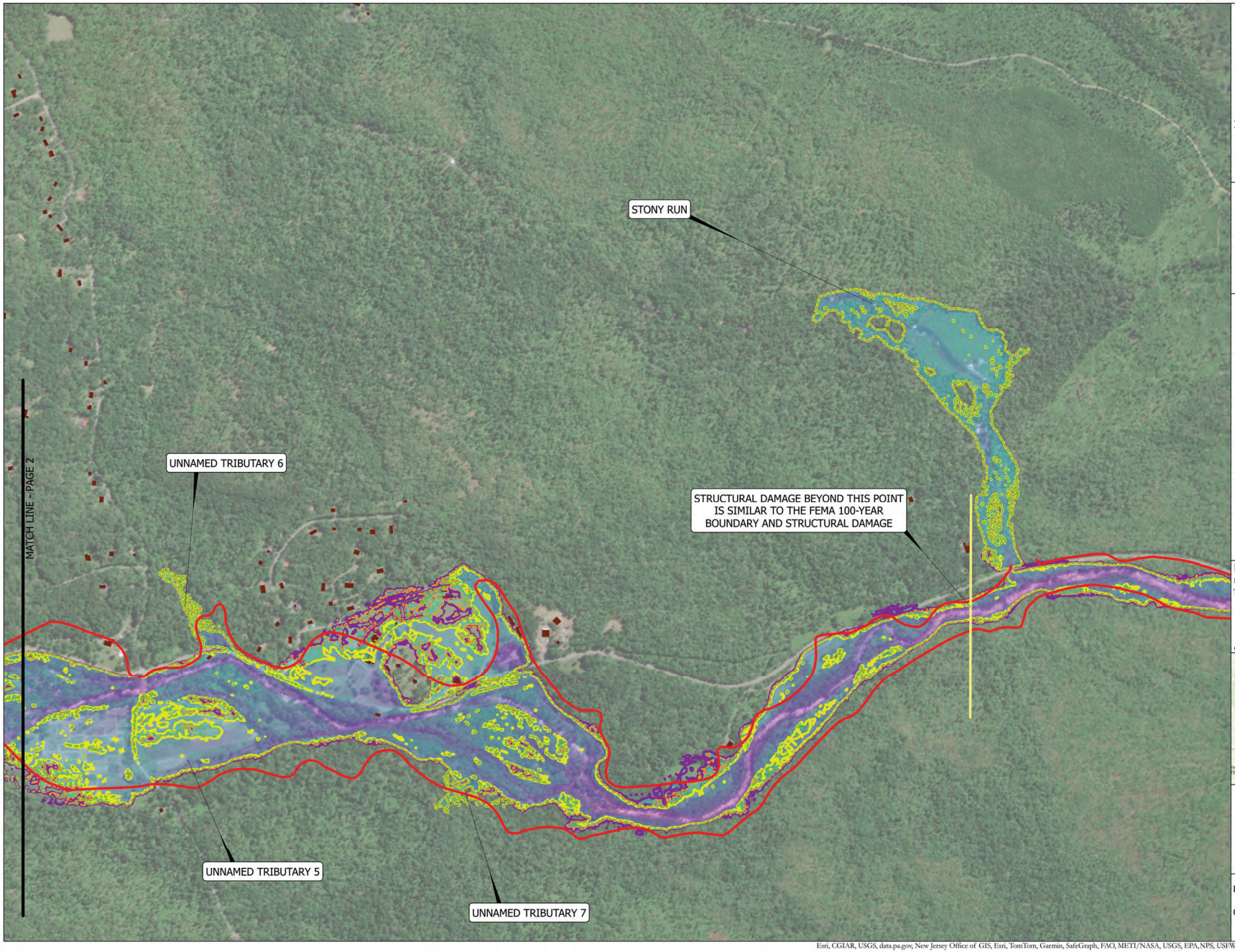
USDA United States Department of Agriculture
Natural Resources Conservation Service

DRAWN BY: MMS DATE: 10/30/23

CHECKED BY: MJG DATE: 11/8/23

DRAWING NO. 27

Esri, CGIAR, USGS, data.pa.gov, New Jersey Office of GIS, Esri, TomTom, Garmin, SafeGraph, FAO, METI/NASA, USGS, EPA, NPS, USFWS, Maxar



BRODHEAD TRIBUTARIES INUNDATION MAP

LEAVITT BRANCH DAM AND GOOSE POND DAM
MONROE COUNTY, PENNSYLVANIA

100-YEAR UNSTEADY FLOW STORM EVENT INUNDATION MAP

PAGE 3 OF 3

N

400 200 0 400
US Feet

LEGEND

- FEMA 100-YEAR FLOOD BOUNDARY
- INUNDATION BOUNDARY LEAVITT DECOMMISSIONED
- INUNDATION BOUNDARY GOOSE DECOMMISSIONED
- INUNDATION BOUNDARY BOTH DAMS OPERATING
- INUNDATION BOUNDARY BOTH DAMS DECOMMISSIONED
- BUILDING FOOTPRINT

BOTH DAMS DECOMMISSIONED INUNDATION DEPTH

VALUE

- 23 FT
- 15 FT
- 10 FT
- 5 FT
- 0.001 FT

NOTES

1. FEMA FLOOD BOUNDARY SHOWN ON MAP USED DIFFERENT TOPOGRAPHY IN ANALYSIS

Coordinate System: NAD83 / Pennsylvania North



DDK Engineering-IV

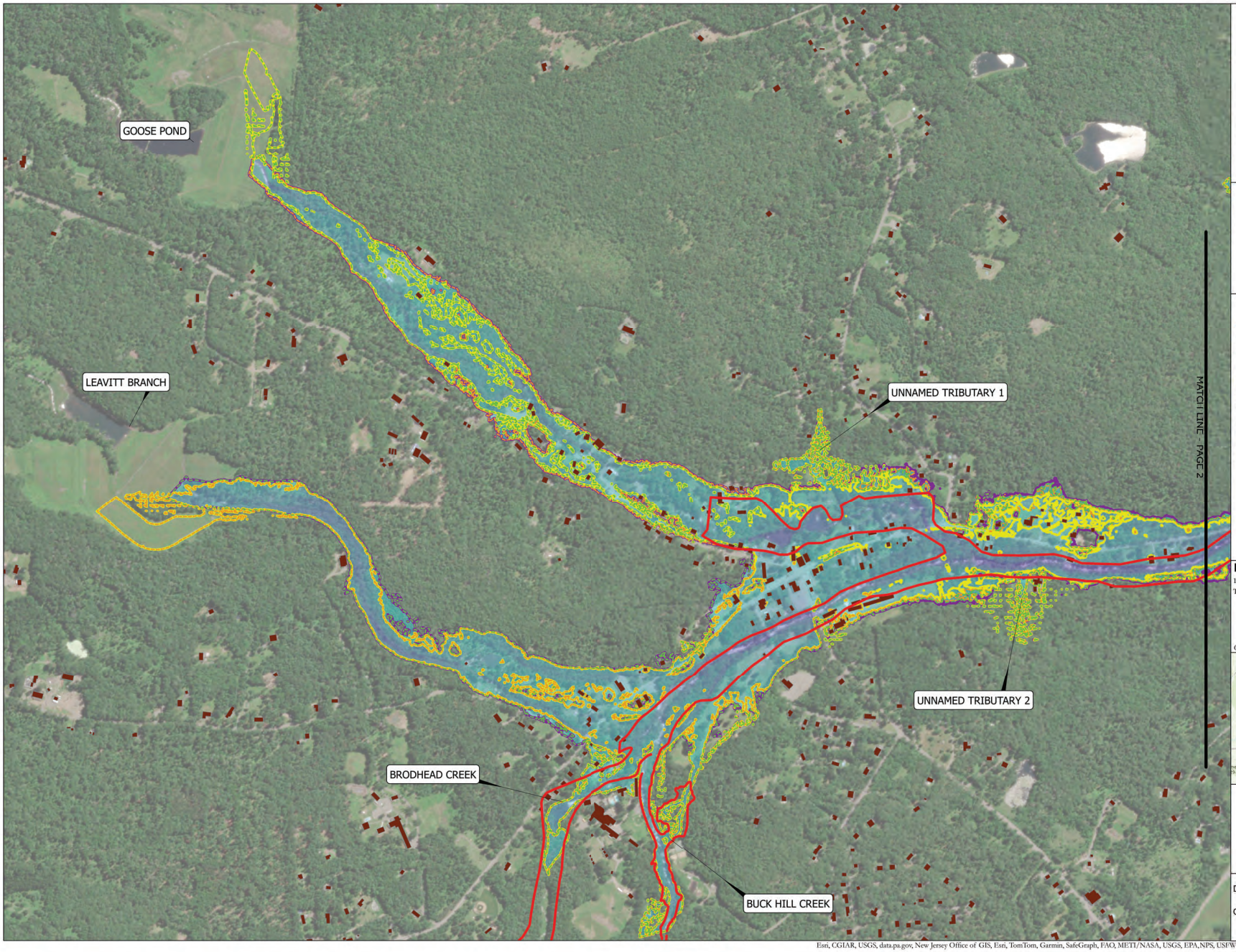
USDA United States Department of Agriculture
Natural Resources Conservation Service

DRAWN BY: MMS DATE: 10/30/23

CHECKED BY: MJG DATE: 11/8/23

DRAWING NO. 28

Esri, CGIAR, USGS, data.pa.gov, New Jersey Office of GIS, Esri, TomTom, Garmin, SafeGraph, FAO, METI/NASA, USGS, EPA, NPS, USFWS, Maxar



BRODHEAD TRIBUTARIES INUNDATION MAP

LEAVITT BRANCH DAM AND GOOSE POND DAM
MONROE COUNTY, PENNSYLVANIA

500-YEAR STEADY FLOW STORM EVENT INUNDATION MAP

PAGE 1 OF 3

N

400 200 0 400
US Feet

LEGEND

- FEMA 100-YEAR FLOOD BOUNDARY
- BUILDING FOOTPRINT
- INUNDATION BOUNDARY LEAVITT DECOMMISSIONED
- INUNDATION BOUNDARY GOOSE DECOMMISSIONED
- INUNDATION BOUNDARY BOTH DAMS OPERATING
- INUNDATION BOUNDARY BOTH DAMS DECOMMISSIONED

BOTH DAMS DECOMMISSIONED INUNDATION DEPTH

VALUE

- 40 FT
- 35 FT
- 30 FT
- 25 FT
- 20 FT
- 15 FT
- 10 FT
- 5 FT
- 0.001 FT

NOTES

1. FEMA FLOOD BOUNDARY SHOWN ON MAP USED DIFFERENT TOPOGRAPHY IN ANALYSIS

Coordinate System: NAD83 / Pennsylvania North



DDK Engineering-JV

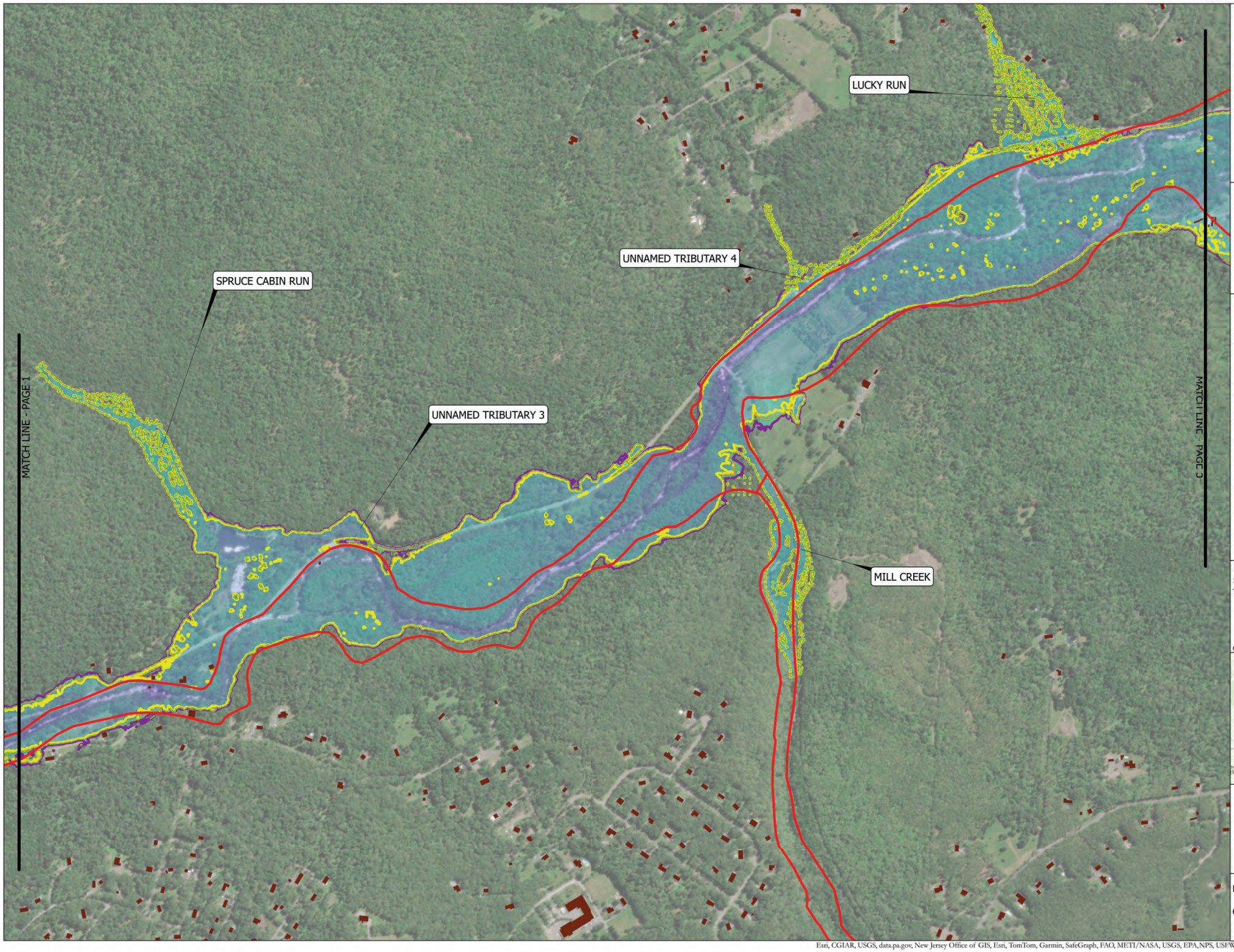
USDA United States Department of Agriculture
Natural Resources Conservation Service

DRAWN BY: MMS DATE: 10/30/23

CHECKED BY: MJG DATE: 11/8/23

DRAWING NO. 17

Esri, CGIAR, USGS, data.pa.gov, New Jersey Office of GIS, Esri, TomTom, Garmin, SafeGraph, FAO, METI/NASA, USGS, EPA, NPS, USFWS, Maxar



BRODHEAD TRIBUTARIES INUNDATION MAP

LEAVITT BRANCH DAM AND GOOSE POND DAM
MONROE COUNTY, PENNSYLVANIA

500-YEAR STEADY FLOW STORM EVENT INUNDATION MAP

PAGE 2 OF 3

N

400 200 0 400
US Feet

LEGEND

- FEMA 100-YEAR FLOOD BOUNDARY
- BUILDING FOOTPRINT
- INUNDATION BOUNDARY LEAVITT DECOMMISSIONED
- INUNDATION BOUNDARY GOOSE DECOMMISSIONED
- INUNDATION BOUNDARY BOTH DAMS OPERATING
- INUNDATION BOUNDARY BOTH DAMS DECOMMISSIONED

BOTH DAMS DECOMMISSIONED INUNDATION DEPTH

VALUE

- 40 FT
- 35 FT
- 30 FT
- 25 FT
- 20 FT
- 15 FT
- 10 FT
- 5 FT
- 0.001 FT

NOTES

1. FEMA FLOOD BOUNDARY SHOWN ON MAP USED DIFFERENT TOPOGRAPHY IN ANALYSIS

Coordinate System: NAD83 / Pennsylvania North



DDK Engineering-JV

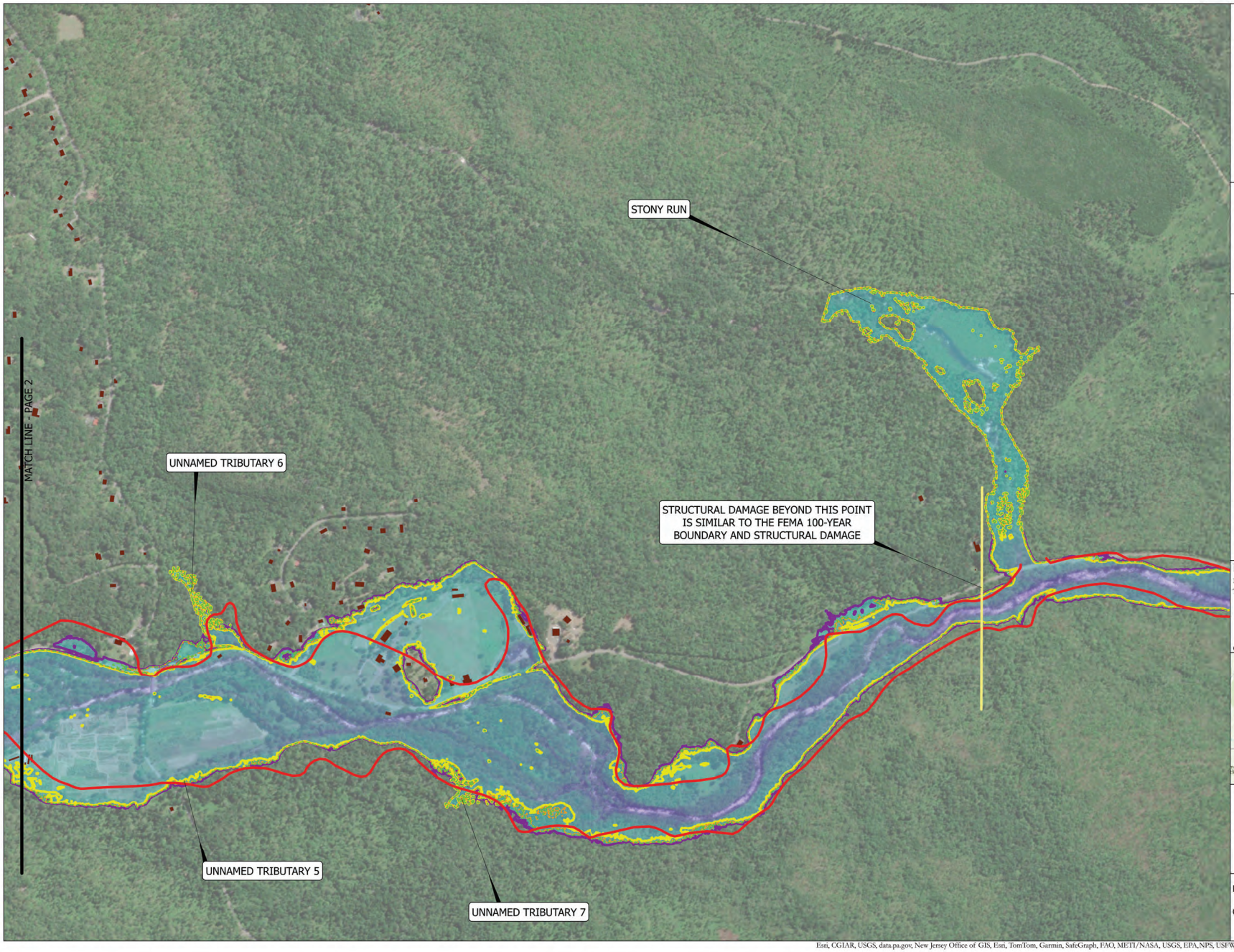
USDA United States Department of Agriculture
Natural Resources Conservation Service

DRAWN BY: MMS DATE: 10/30/23

CHECKED BY: MJG DATE: 11/8/23

DRAWING NO. 18

Esri, CGIAR, USGS, data.pa.gov, New Jersey Office of GIS, Esri, TomTom, Garmin, SafeGraph, FAO, METI/NASA, USGS, EPA, NPS, USFWS, Maxar



BRODHEAD TRIBUTARIES INUNDATION MAP

LEAVITT BRANCH DAM AND GOOSE POND DAM
MONROE COUNTY, PENNSYLVANIA

500-YEAR STEADY FLOW STORM EVENT INUNDATION MAP

N

400 200 0 400
US Feet

LEGEND

- FEMA 100-YEAR FLOOD BOUNDARY
- BUILDING FOOTPRINT
- INUNDATION BOUNDARY LEAVITT DECOMMISSIONED
- INUNDATION BOUNDARY GOOSE DECOMMISSIONED
- INUNDATION BOUNDARY BOTH DAMS OPERATING
- INUNDATION BOUNDARY BOTH DAMS DECOMMISSIONED

BOTH DAMS DECOMMISSIONED INUNDATION DEPTH

VALUE

- 40 FT
- 35 FT
- 30 FT
- 25 FT
- 20 FT
- 15 FT
- 10 FT
- 5 FT
- 0.001 FT

NOTES

1. FEMA FLOOD BOUNDARY SHOWN ON MAP USED DIFFERENT TOPOGRAPHY IN ANALYSIS

Coordinate System: NAD83 / Pennsylvania North



DDK Engineering-JV

USDA United States Department of Agriculture
Natural Resources Conservation Service

DRAWN BY: MMS DATE: 10/30/23

CHECKED BY: MJG DATE: 11/8/23

DRAWING NO. 19

Esri, CGIAR, USGS, data.pa.gov, New Jersey Office of GIS, Esri, TomTom, Garmin, SafeGraph, FAO, METI/NASA, USGS, EPA, NPS, USFWS, Maxar