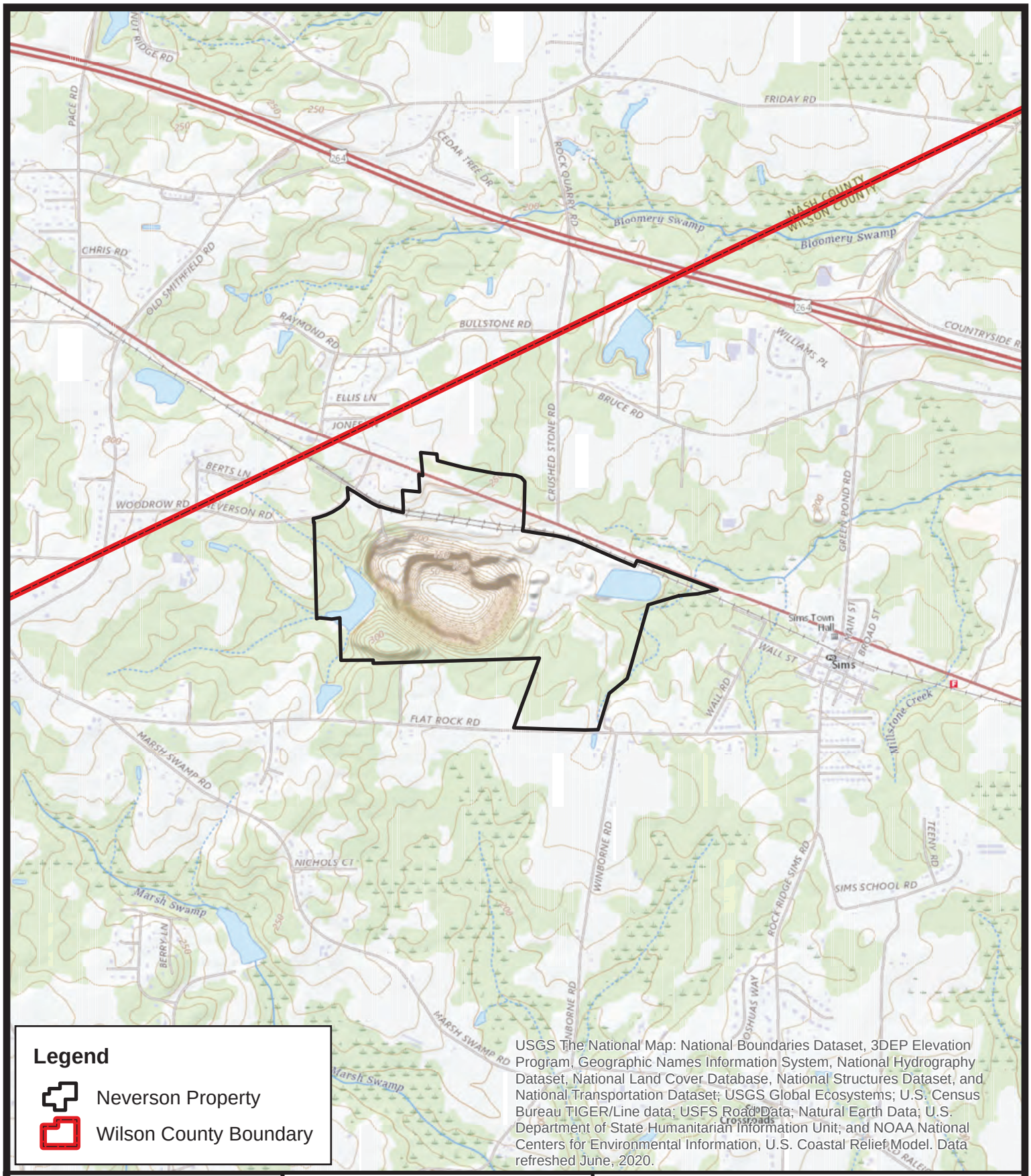
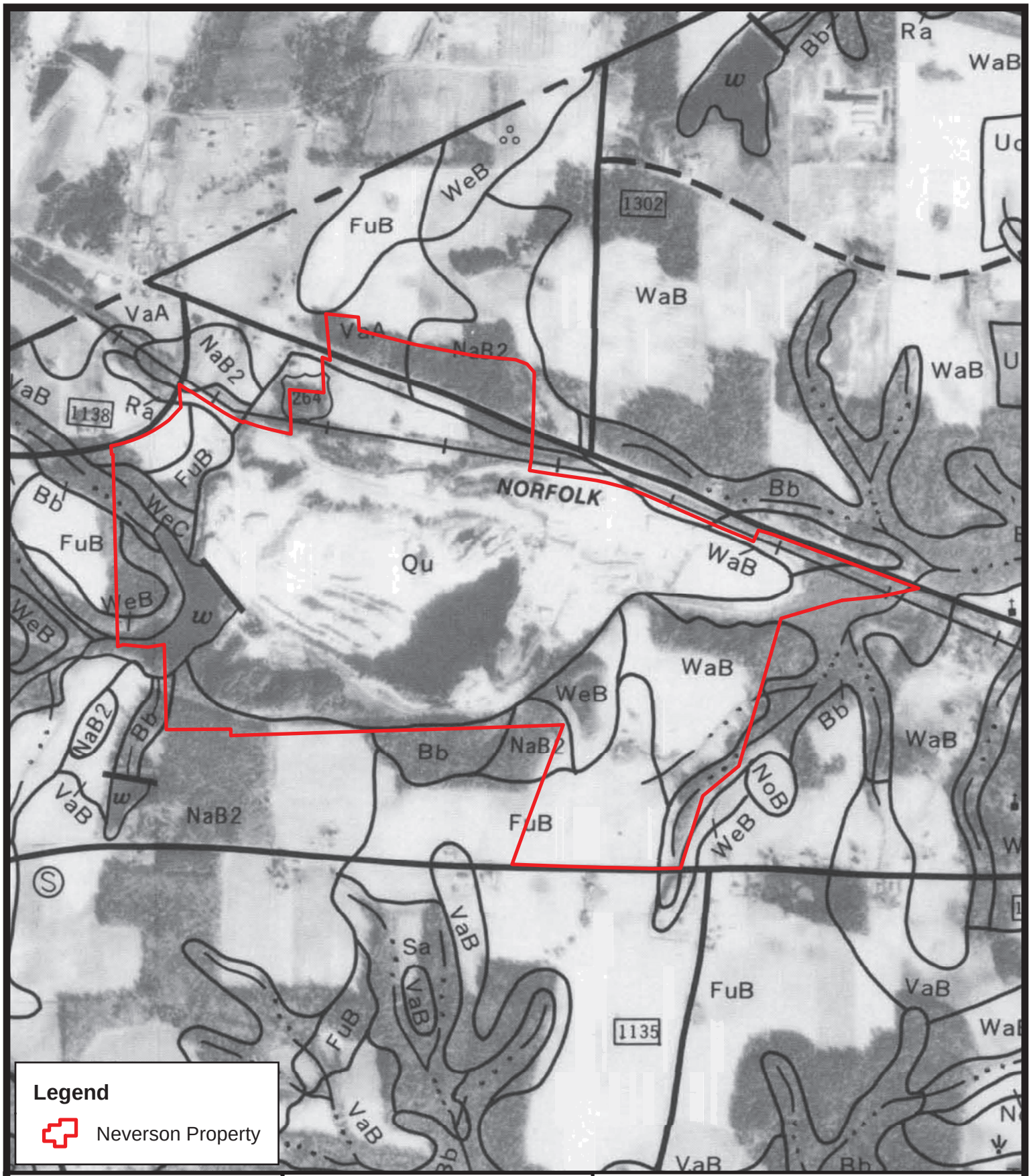



**Legend**

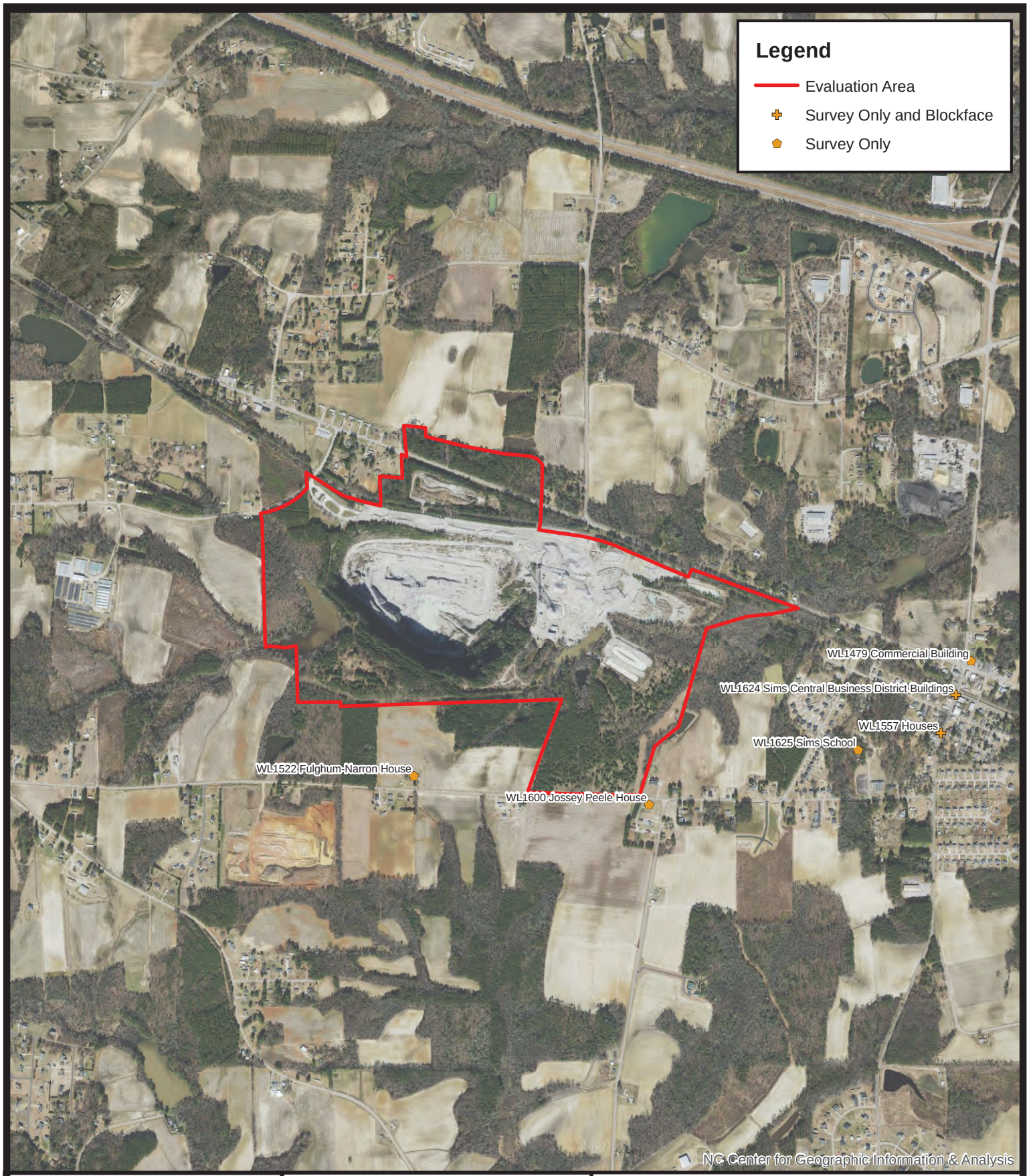
- Neverson Property
- Wilson County Boundary

USGS The National Map: National Boundaries Dataset, 3DEP Elevation Program, Geographic Names Information System, National Hydrography Dataset, National Land Cover Database, National Structures Dataset, and National Transportation Dataset; USGS Global Ecosystems; U.S. Census Bureau TIGER/Line data; USFS Road Data; Natural Earth Data; U.S. Department of State Humanitarian Information Unit; and NOAA National Centers for Environmental Information, U.S. Coastal Relief Model. Data refreshed June, 2020.

| | | |
|---|---|---|
| **Project Number:** 13220.W6 | **Map Title:** Figure 1 - USGS Map<br>Neverson Quarry<br>Wilson County, NC | 0 2,000 4,000 Feet<br>N |
| **Project Manager:** BZ | | |
| **Scale:** 1" = 2000' | | |
| **Date:** 01/25/2024 | **Source:** USGS National Map | S&EC Soil & Environmental Consultants, Inc. |




| | | |
|---|---|---|
| **Project Number:** 13220.W6 | **Map Title:** Figure 2 - Soil Survey Map<br>Neverson Quarry<br>Wilson County, NC | 0 1,000 2,000 Feet<br>N |
| **Project Manager:** BZ | | |
| **Scale:** 1" = 1000' | | |
| **Date:** 01/25/2024 | **Source:** Soil Survey Sheet No. 8 (inset) | S&EC Soil & Environmental Consultants, Inc. |




| | |
|---|---|
| **Project Number:** | 13220.W6 |
| **Project Manager:** | BZ |
| **Scale:** | 1" = 1500' |
| **Date:** | 01/25/2024 |

**Map Title:**

**NC SHPO Map**

**Neverson Quarry, Sims, NC**

**Source:** HPOWEB 2.0

0 1,500 3,000
Feet

N

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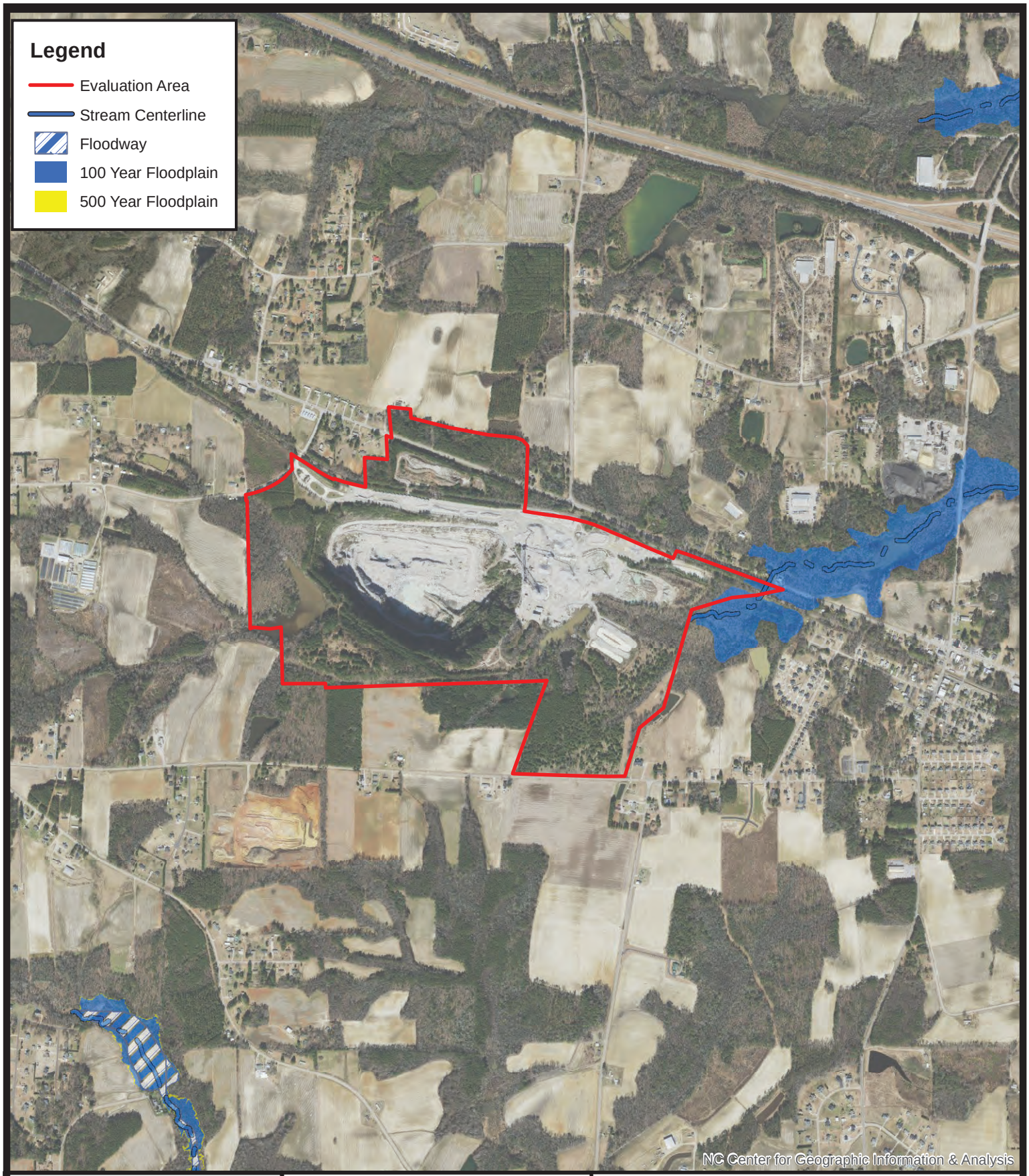
seandec.com




| | |
|---|---|
| Project Number: | 13220.W6 |
| Project Manager: | BZ |
| Scale: | 1" = 1500' |
| Date: | 01/25/2024 |

Map Title:

**Floodplain Map**

**Neverson Quarry, Sims, NC**

Source: NC FRIS

0 1,500 3,000

Feet

N

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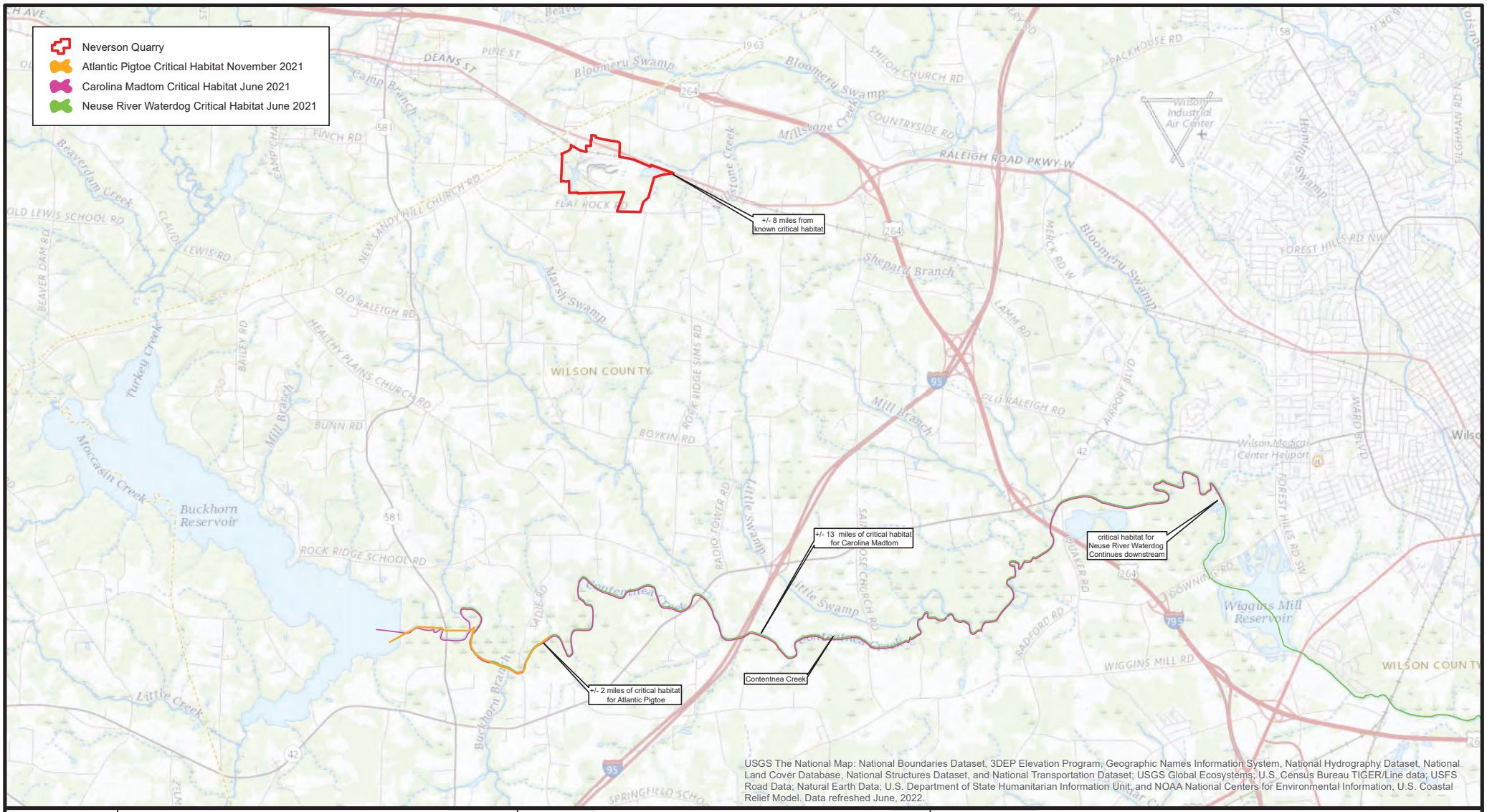


| | |
|---|---|
| Project No. 13220.W6 | |
| Project Mgr.: BZ | |
| Scale: 1" = 5000' | 0 5,000 10,000 20,000 Feet |
| 07/13/2023 | |

N W E S

## Critical Habitat Map

Heidelberg Materials Neverson Quarry
Wilson, NC

NOTE: Parcel boundary shown is based on a georeferenced image from the Wilson Co. GIS mapping website, aligned based on NCDOT roads GIS layer. As such, all calculated areas shown herein are approximate and subject to change based on new or better information.

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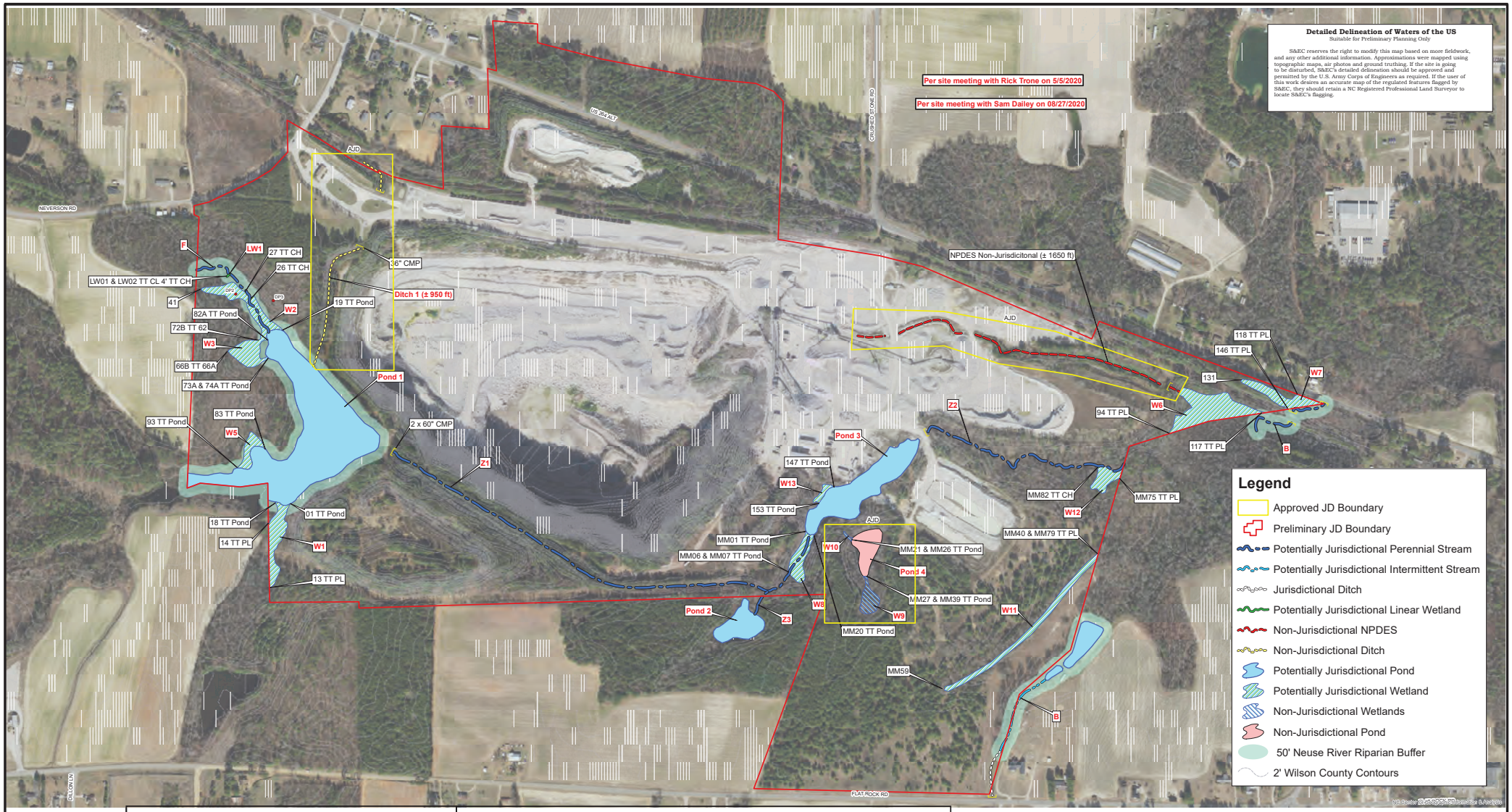


| | |
|---|---|
| **Project No.** 13220.W2 | |
| **Project Mgr.:** SB | |
| **Scale:** 1" = 250' | |
| **10/01/2021** | |

N W E S

0 250 500 1,000
Feet

# Wetland Sketch Map
# Post USACE & DWR

Hanson Neverson Quarry
Wilson Co., NC

**Source:** NC One Map Aerial


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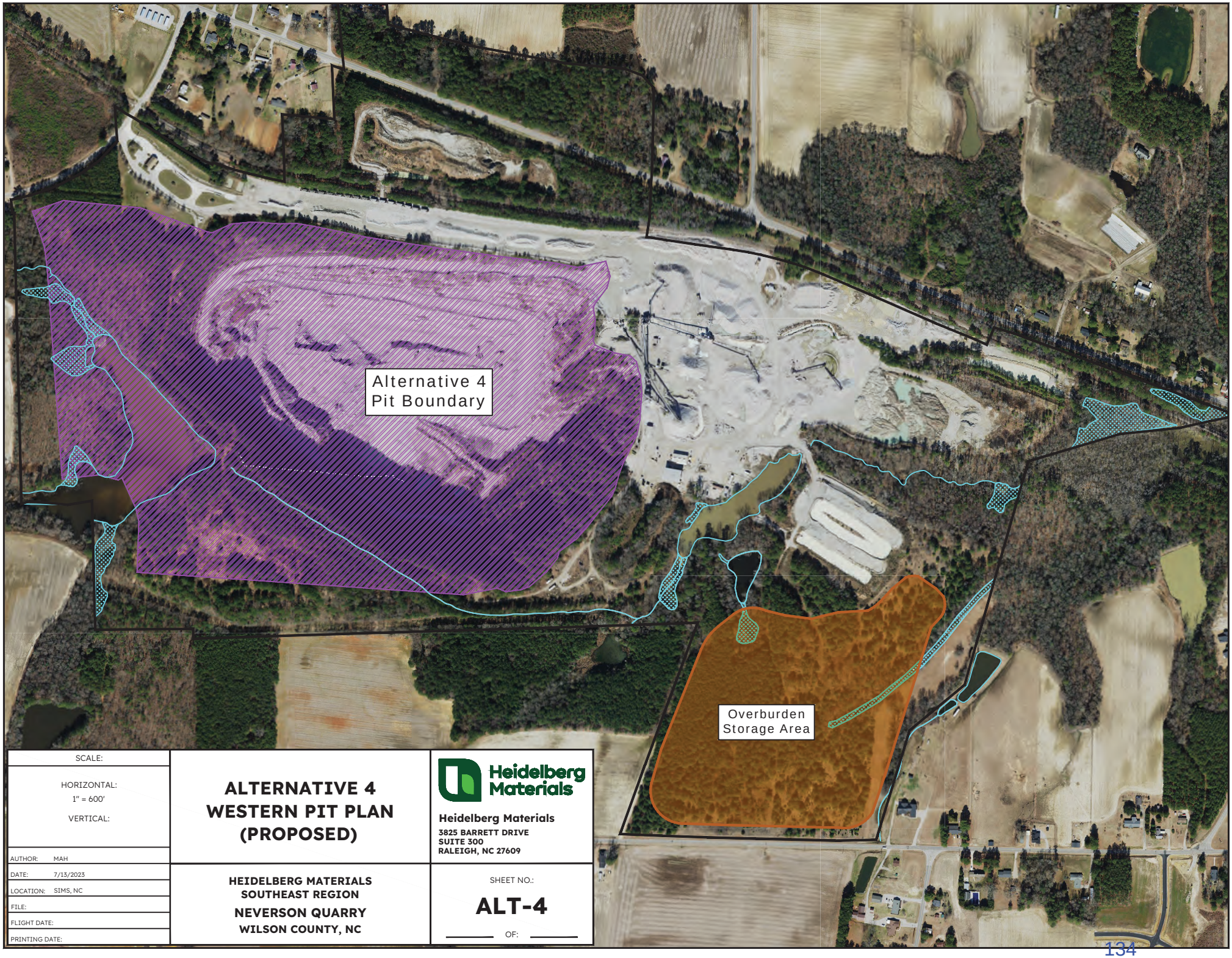
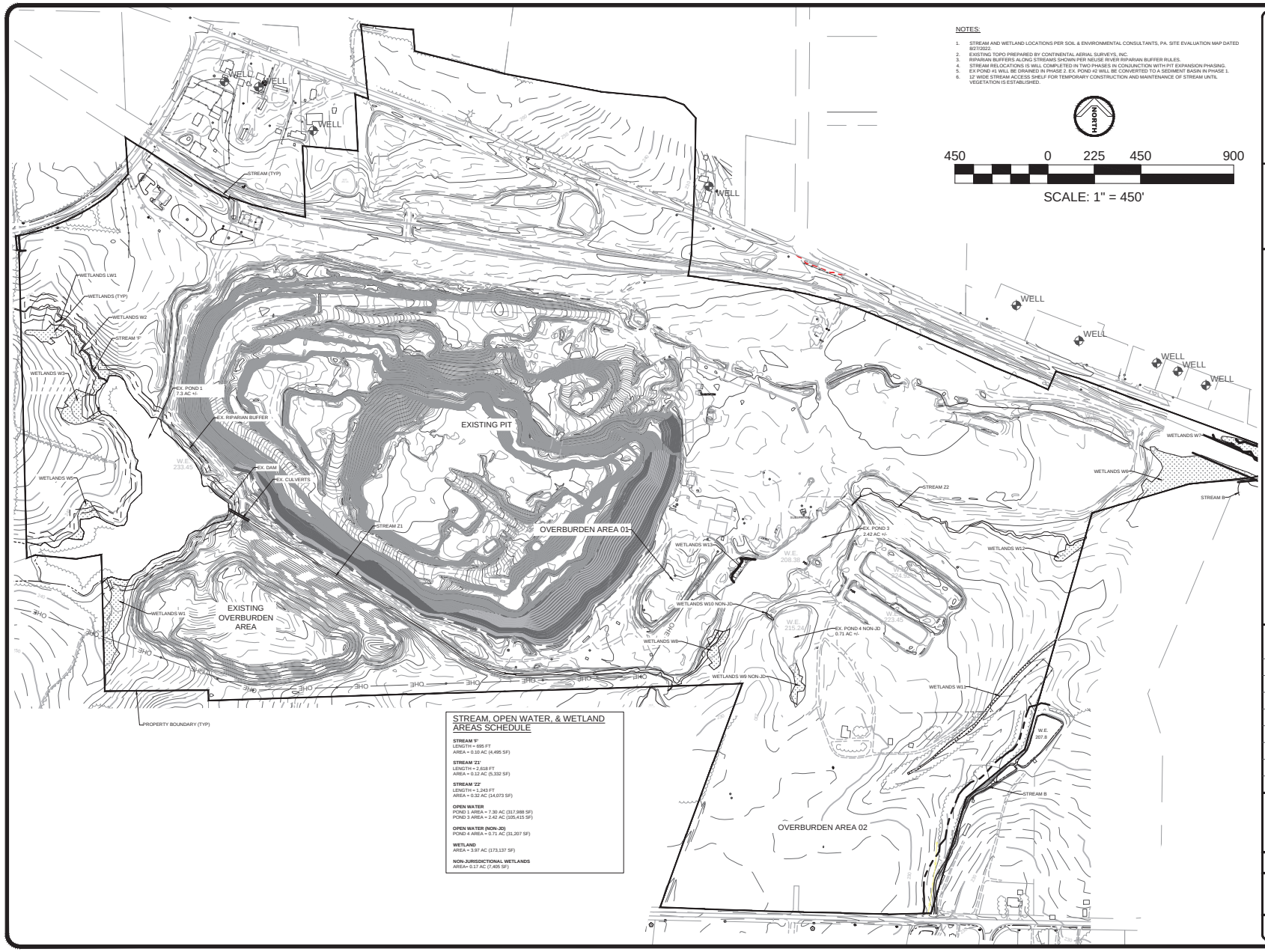



| | |
|---|---|
| SCALE: | |
| HORIZONTAL: 1" = 600' | **ALTERNATIVE 4 WESTERN PIT PLAN (PROPOSED)** |
| VERTICAL: | |
| AUTHOR: MAH | Heidelberg Materials |
| DATE: 7/13/2023 | **Heidelberg Materials** |
| LOCATION: SIMS, NC | **3825 BARRETT DRIVE SUITE 300 RALEIGH, NC 27609** |
| FILE: | **HEIDELBERG MATERIALS SOUTHEAST REGION** |
| FLIGHT DATE: | **NEVERSON QUARRY** |
| PRINTING DATE: | **WILSON COUNTY, NC** |
| | SHEET NO.: **ALT-4** |
| | OF: |




NOTES:

1. STREAM AND WETLAND LOCATIONS PER SOIL & ENVIRONMENTAL CONSULTANTS, PA. SITE EVALUATION MAP DATED 8/27/2022.
2. EXISTING TOPO PREPARED BY CONTINENTAL AERIAL SURVEYS, INC.
3. RIPARIAN BUFFERS ALONG STREAMS SHOWN PER NEUSE RIVER RIPARIAN BUFFER RULES.
4. STREAM RELOCATIONS IS WILL COMPLETED IN TWO PHASES IN CONJUNCTION WITH PIT EXPANSION PHASING.
5. EX POND #3 WILL BE DRAINED IN PHASE 2. EX. POND #2 WILL BE CONVERTED TO A SEDIMENT BASIN IN PHASE 1.
6. 12' WIDE STREAM ACCESS SHELF FOR TEMPORARY CONSTRUCTION AND MAINTENANCE OF STREAM UNTIL VEGETATION IS ESTABLISHED.

## STREAM, OPEN WATER, & WETLAND AREAS SCHEDULE

**STREAM 'F'**
LENGTH = 695 FT
AREA = 0.10 AC (4,495 SF)

**STREAM 'Z1'**
LENGTH = 2,618 FT
AREA = 0.12 AC (5,332 SF)

**STREAM 'Z2'**
LENGTH = 1,243 FT
AREA = 0.32 AC (14,073 SF)

**OPEN WATER**
POND 1 AREA = 7.30 AC (317,988 SF)
POND 3 AREA = 2.42 AC (105,415 SF)

**OPEN WATER (NON-JD)**
POND 4 AREA = 0.71 AC (31,207 SF)

**WETLAND**
AREA = 3.97 AC (173,137 SF)

**NON-JURISDICTIONAL WETLANDS**
AREA= 0.17 AC (7,405 SF)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SIMS, WILSON COUNTY, NORTH CAROLINA

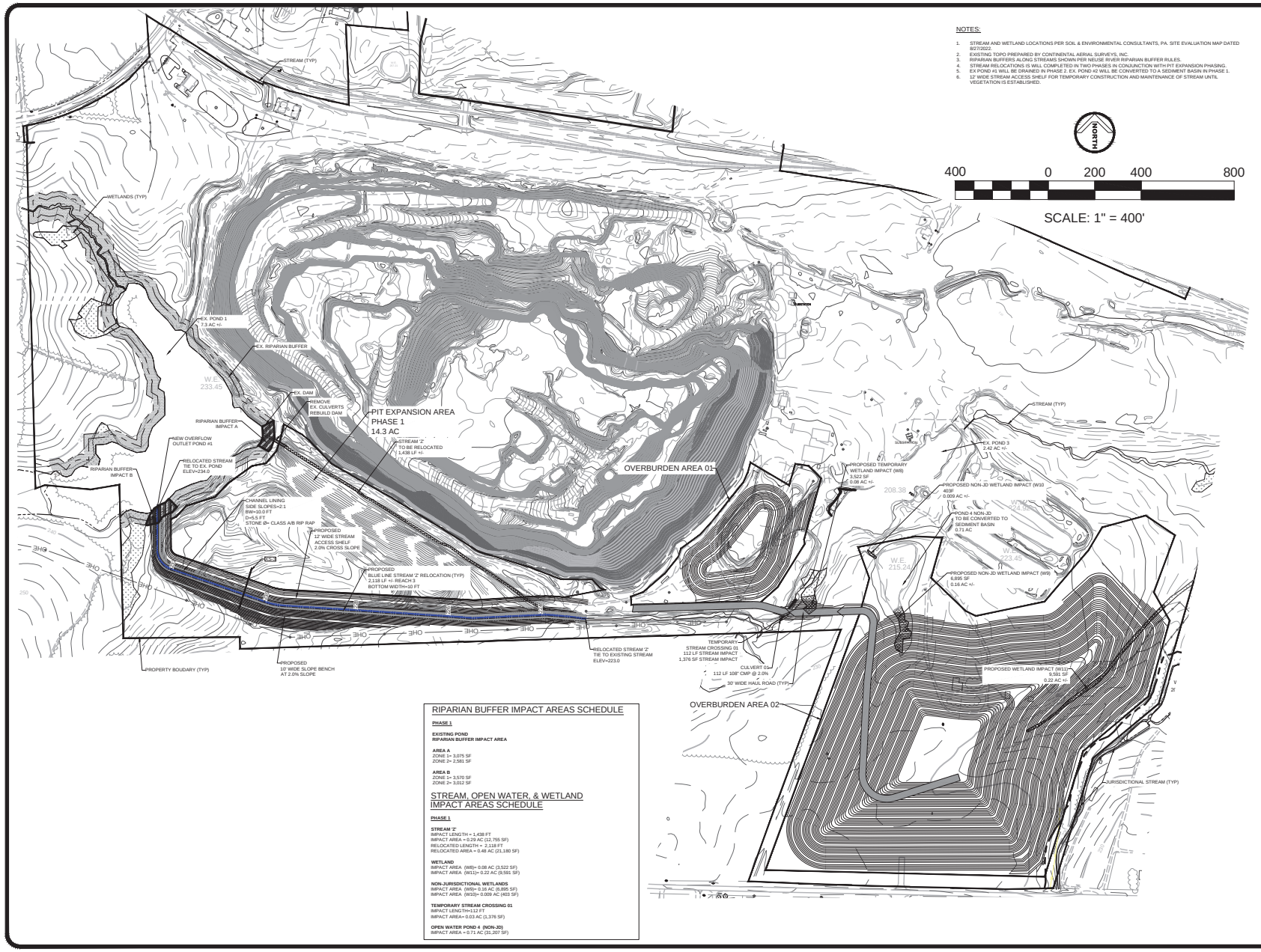
STREAM/WETLAND IMPACT MAP - EXISTING CONDITIONS

REVISIONS

**PRELIMINARY**
**NOT FOR CONSTRUCTION**

| | |
|---|---|
| Scale: 1"=400' | Drawn by: MTB |
| Sheet: SW1 of 7 | Designed by: MTB |
| | Reviewed by: MTB |
| Project Number: DDS JOB #: 2022-02 | Date: APRIL 2022 |

File: 2023\2023-02 - Neverson Quarry - Harnett\2023.12.15 - Neverson Mine Impacts.dwg Print Date: 2/8/2024




NOTES:

1. STREAM AND WETLAND LOCATIONS PER SOIL & ENVIRONMENTAL CONSULTANTS, PA. SITE EVALUATION MAP DATED 8/27/2022.
2. EXISTING TOPO PREPARED BY CONTINENTAL AERIAL SURVEYS, INC.
3. RIPARIAN BUFFERS ALONG STREAMS SHOWN PER NEUSE RIVER RIPARIAN BUFFER RULES.
4. STREAM RELOCATIONS IS WILL COMPLETED IN TWO PHASES IN CONJUNCTION WITH PIT EXPANSION PHASING.
5. EX POND #1 WILL BE DRAINED IN PHASE 2. EX. POND #2 WILL BE CONVERTED TO A SEDIMENT BASIN IN PHASE 1.
6. 12' WIDE STREAM ACCESS SHELF FOR TEMPORARY CONSTRUCTION AND MAINTENANCE OF STREAM UNTIL VEGETATION IS ESTABLISHED.

## RIPARIAN BUFFER IMPACT AREAS SCHEDULE

**PHASE 1**

**EXISTING POND**
**RIPARIAN BUFFER IMPACT AREA**

**AREA A**
ZONE 1= 3,075 SF
ZONE 2= 2,581 SF

**AREA B**
ZONE 1= 3,570 SF
ZONE 2= 3,012 SF

## STREAM, OPEN WATER, & WETLAND IMPACT AREAS SCHEDULE

**PHASE 1**

**STREAM 'Z'**
IMPACT LENGTH = 1,438 FT
IMPACT AREA = 0.29 AC (12,755 SF)
RELOCATED LENGTH = 2,118 FT
RELOCATED AREA = 0.48 AC (21,180 SF)

**WETLAND**
IMPACT AREA (W8)= 0.08 AC (3,522 SF)
IMPACT AREA (W11)= 0.22 AC (9,591 SF)

**NON-JURISDICTIONAL WETLANDS**
IMPACT AREA (W9)= 0.16 AC (6,895 SF)
IMPACT AREA (W10)= 0.009 AC (403 SF)

**TEMPORARY STREAM CROSSING 01**
IMPACT LENGTH=112 FT
IMPACT AREA= 0.03 AC (1,376 SF)

**OPEN WATER POND 4 (NON-JD)**
IMPACT AREA = 0.71 AC (31,207 SF)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HEIDELBERG MATERIALS
SOUTHEAST AGG LLC
STREAM RELOCATION
NEVERSON ROAD
SIMS, WILSON COUNTY, NORTH CAROLINA

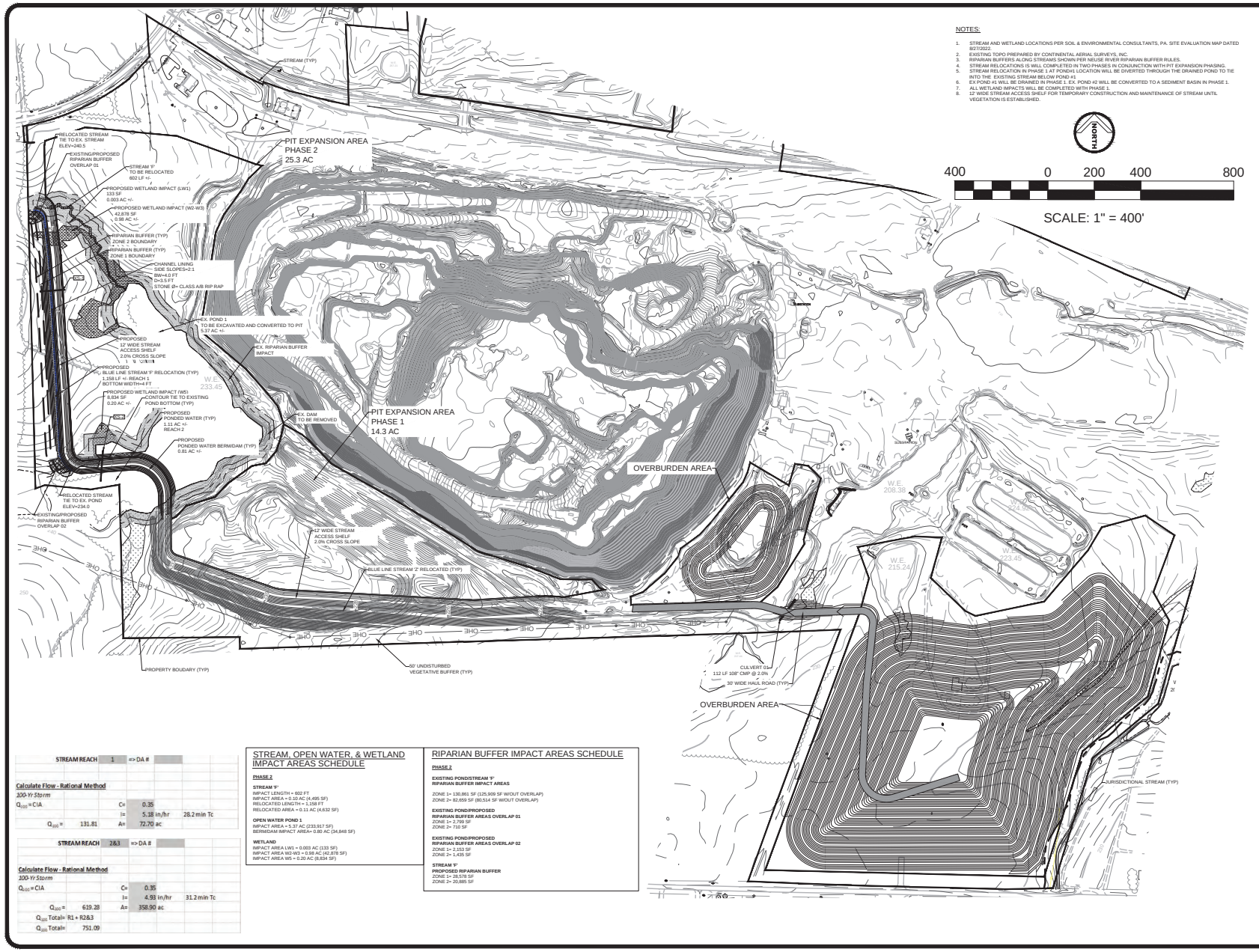
STREAM/WETLAND IMPACT MAP - PHASE 1

REVISIONS

**PRELIMINARY**
**NOT FOR CONSTRUCTION**

| | |
|---|---|
| Scale: 1"=400' | Drawn by: MTB |
| Sheet: SW2 of 7 | Designed by: MTB |
| | Reviewed by: MTB |
| Project Number: DDS JOB #: 2022-02 | Date: APRIL 2022 |

File: 2202JOBS\02-02 - Neverson Quarry - Harnett\2021\12.15 - Neverson Mine Impacts.dwg Print Date: 2/28/2024




NOTES:

1. STREAM AND WETLAND LOCATIONS PER SOIL & ENVIRONMENTAL CONSULTANTS, PA. SITE EVALUATION MAP DATED 8/27/2022.
2. EXISTING TOPO PREPARED BY CONTINENTAL AERIAL SURVEYS, INC.
3. RIPARIAN BUFFERS ALONG STREAMS SHOWN PER NEUSE RIVER RIPARIAN BUFFER RULES.
4. STREAM RELOCATIONS IS WILL COMPLETED IN TWO PHASES IN CONJUNCTION WITH PIT EXPANSION PHASING.
5. STREAM RELOCATION IN PHASE 1 AT POND#1 LOCATION WILL BE DIVERTED THROUGH THE DRAINED POND TO TIE INTO THE EXISTING STREAM BELOW POND #1
6. EX POND #1 WILL BE DRAINED IN PHASE 1. EX. POND #2 WILL BE CONVERTED TO A SEDIMENT BASIN IN PHASE 1.
7. ALL WETLAND IMPACTS WILL BE COMPLETED WITH PHASE 1.
8. 12' WIDE STREAM ACCESS SHELF FOR TEMPORARY CONSTRUCTION AND MAINTENANCE OF STREAM UNTIL VEGETATION IS ESTABLISHED.

| STREAM REACH | 1 | => DA # | | |
|---|---|---|---|---|
| **Calculate Flow - Rational Method** | | | | |
| *100-Yr Storm* | | | | |
| $Q_{100}$ = CIA | | C= | 0.35 | |
| | | I= | 5.18 in/hr | 28.2 min Tc |
| $Q_{100}$ = | 131.81 | A= | 72.70 ac | |

| STREAM REACH | 2&3 | => DA # | | |
|---|---|---|---|---|
| **Calculate Flow - Rational Method** | | | | |
| *100-Yr Storm* | | | | |
| $Q_{100}$ = CIA | | C= | 0.35 | |
| | | I= | 4.93 in/hr | 31.2 min Tc |
| $Q_{100}$ = | 619.28 | A= | 358.90 ac | |
| $Q_{100}$ Total= R1 + R2&3 | | | | |
| $Q_{100}$ Total= | 751.09 | | | |

## STREAM, OPEN WATER, & WETLAND IMPACT AREAS SCHEDULE

**PHASE 2**

**STREAM 'F'**
IMPACT LENGTH = 602 FT
IMPACT AREA = 0.10 AC (4,495 SF)
RELOCATED LENGTH = 1,158 FT
RELOCATED AREA = 0.11 AC (4,632 SF)

**OPEN WATER POND 1**
IMPACT AREA = 5.37 AC (233,917 SF)
BERM/DAM IMPACT AREA= 0.80 AC (34,848 SF)

**WETLAND**
IMPACT AREA LW1 = 0.003 AC (133 SF)
IMPACT AREA W2-W3 = 0.98 AC (42,878 SF)
IMPACT AREA W5 = 0.20 AC (8,834 SF)

## RIPARIAN BUFFER IMPACT AREAS SCHEDULE

**PHASE 2**

**EXISTING POND/STREAM 'F'**
**RIPARIAN BUFFER IMPACT AREAS**

ZONE 1= 130,861 SF (125,909 SF W/OUT OVERLAP)
ZONE 2= 82,659 SF (80,514 SF W/OUT OVERLAP)

**EXISTING POND/PROPOSED**
**RIPARIAN BUFFER AREAS OVERLAP 01**
ZONE 1= 2,799 SF
ZONE 2= 710 SF

**EXISTING POND/PROPOSED**
**RIPARIAN BUFFER AREAS OVERLAP 02**
ZONE 1= 2,153 SF
ZONE 2= 1,435 SF

**STREAM 'F'**
**PROPOSED RIPARIAN BUFFER**
ZONE 1= 28,578 SF
ZONE 2= 20,885 SF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STREAM/WETLAND IMPACT MAP - PHASE 2

REVISIONS

**PRELIMINARY**
**NOT FOR CONSTRUCTION**

| | |
|---|---|
| Scale: 1"=400' | Drawn by: MTB |
| Sheet: SW3 of 7 | Designed by: MTB |
| | Reviewed by: MTB |
| Project Number: DDS JOB #: 2022-02 | Date: APRIL 2022 |

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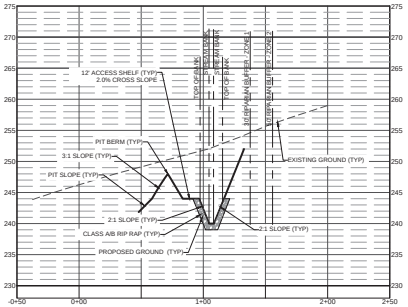
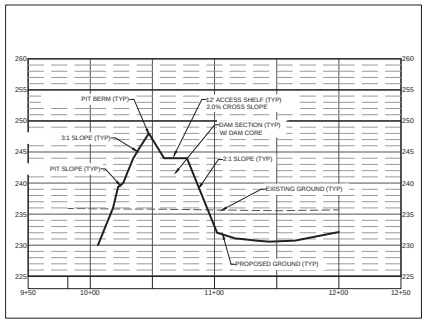
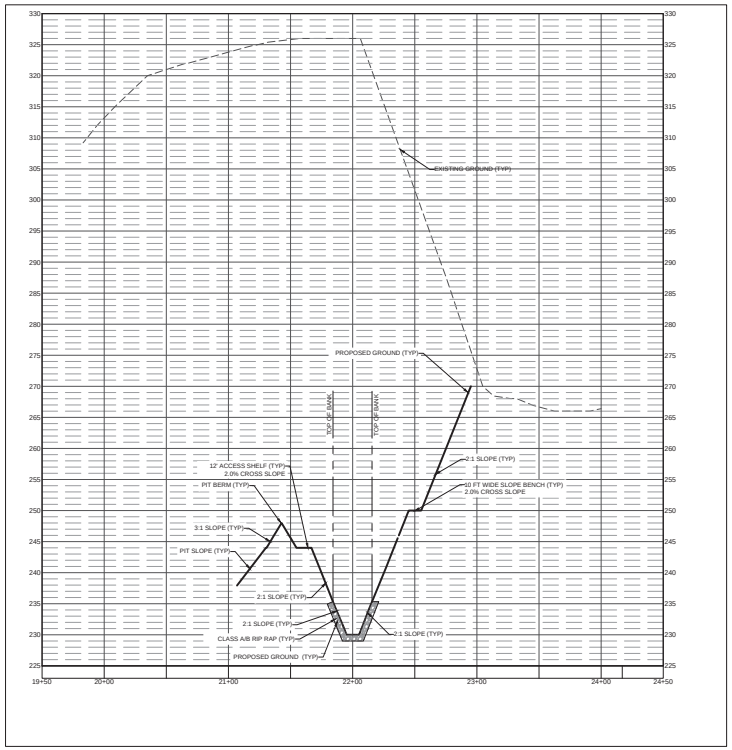



REACH 1 CROSS-SECTION - XS-1




REACH 2 CROSS-SECTION - XS-2




REACH 3 CROSS-SECTION - XS-3

VERTICAL SCALE: 1" = 10'

10

0

100 0 50 100 200

HORIZONTAL SCALE: 1" = 100'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STREAM CROSS-SECTIONS

REVISIONS

**PRELIMINARY**
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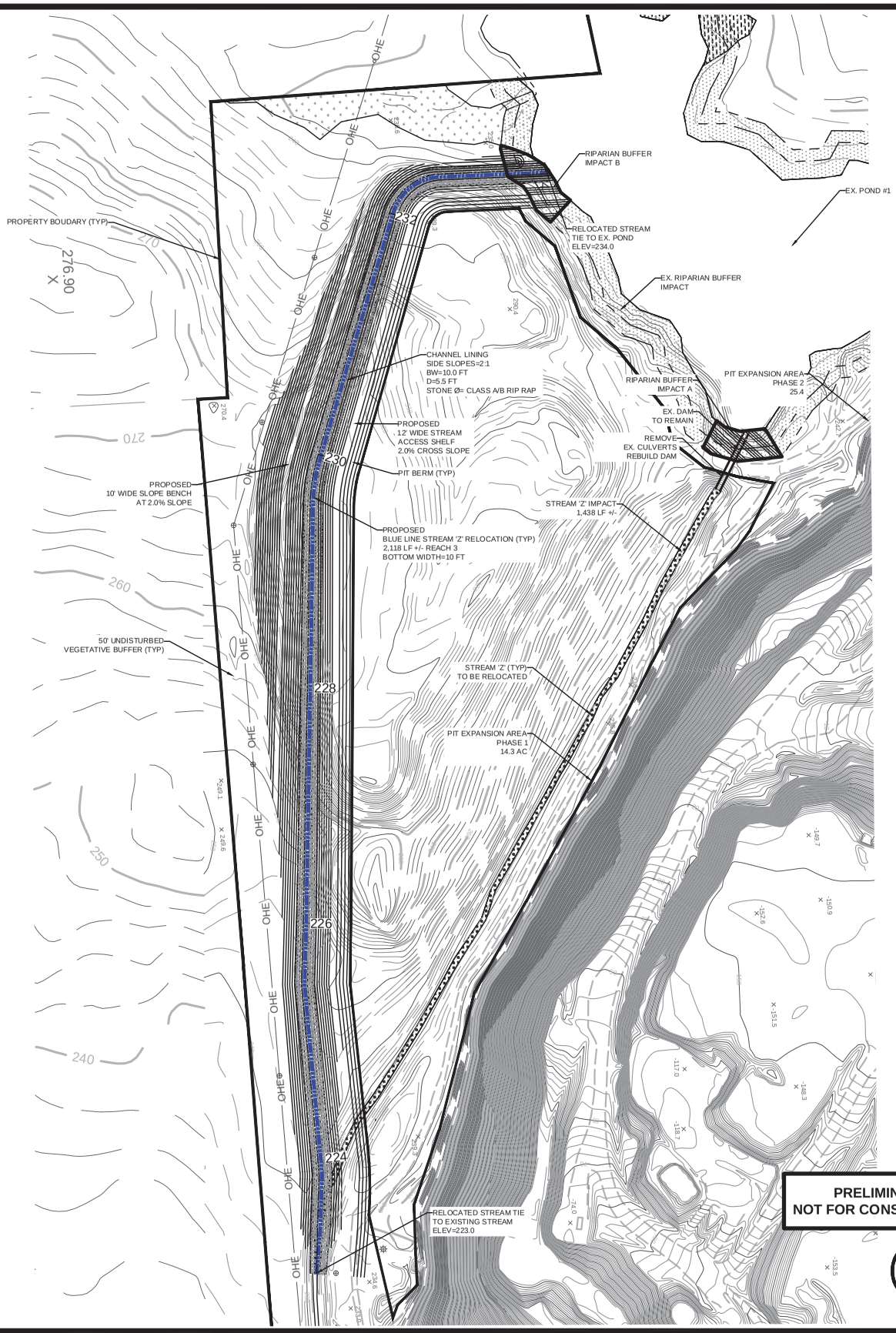
| | |
|---|---|
| Scale: SEE SCALE BAR | Drawn by: MTB |
| Sheet: SW4 of 7 | Designed by: MTB |
| | Reviewed by: MTB |
| Project Number: DDS JOB #: 2022-02 | Date: APRIL 2022 |

File: Z:\2022\2022-02 - Neverson Quarry - Heidelberg\2022.11.15 - Neverson Mine Impacts.dwg Print Date: 2/18/2024




**PRELIMINARY**
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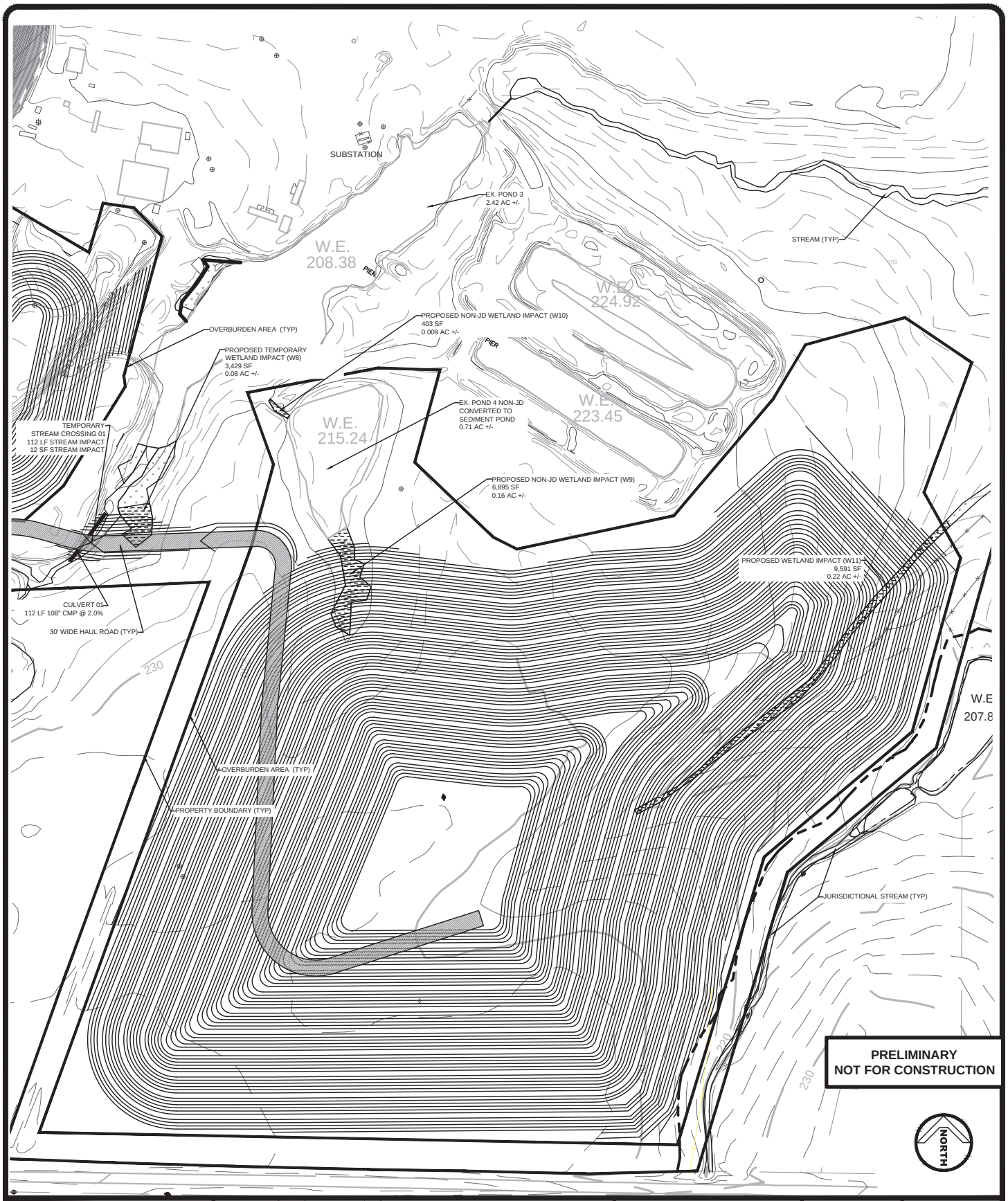
IMPACT EXHIBIT
PHASE 1

| | |
|---|---|
| Scale: 1"=250' | Drawn by: MTB |
| Sheet: SW5 of 7 | Designed by: MTB |
| | Reviewed by: MTB |
| Project Number: DDS JOB #: 2022-02 | Date: JULY 2023 |

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IMPACT EXHIBIT
PHASE 1

| | |
|---|---|
| Scale: 1"=250' | Drawn by: MTB |
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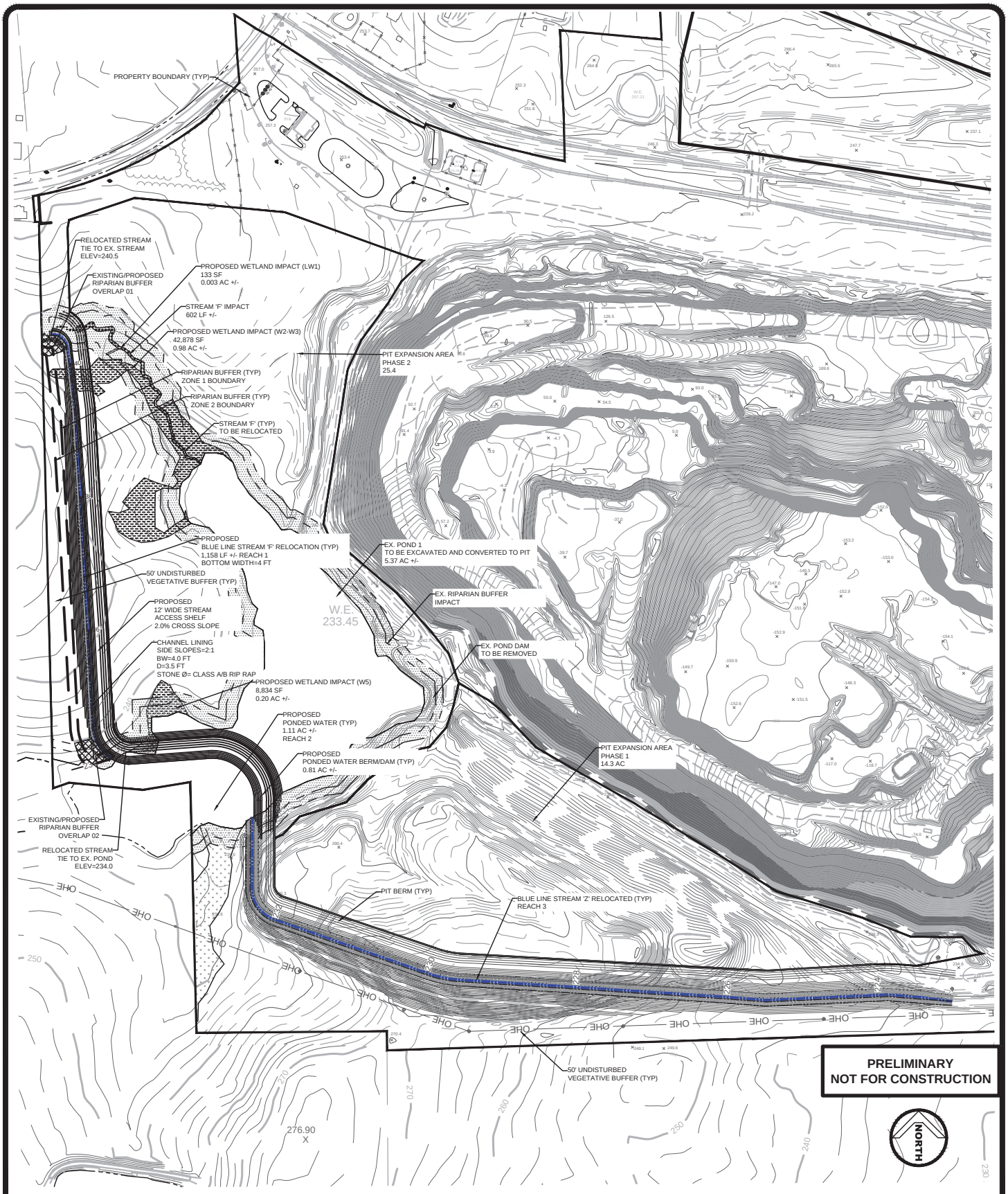
| | Reviewed by: MTB |
| Project Number: DDS JOB #: 2022-02 | Date: JULY 2023 |





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IMPACT EXHIBIT
PHASE 2

| | |
|---|---|
| Scale: 1"=150' | Drawn by: MTB |
| Sheet: SW7 of 7 | Designed by: MTB |
| | Reviewed by: MTB |
| Project Number: DDS JOB #: 2022-02 | Date: JULY 2023 |