



**DEPARTMENT OF THE ARMY**  
**U.S. ARMY CORPS OF ENGINEERS, WILMINGTON DISTRICT**  
**WILMINGTON REGULATORY OFFICE**  
**69 DARLINGTON AVENUE**  
**WILMINGTON NORTH CAROLINA 28403**

December 17, 2024

South Atlantic Division  
Regulatory Technical Regional  
Execution Center  
SAW-2008-00871 (NWP-EMP)

Bob Mishler  
Ashton Raleigh Residential, LLC  
900 Ridgefield Drive  
Suite 335  
Raleigh, North Carolina 27609  
Sent Via email: bob.mishler@ashtonwoods.com

Dear Mr. Mishler:

This letter is in response to the Pre-Construction Notification (PCN) you submitted to the Wilmington District, Technical Regional Execution Center on September 25, 2024, for a Department of the Army Nationwide permit (NWP) verification. This project has been assigned the file number SAW-2008-00871 and is known as the Point South – Phase 3 project. This file number should be referenced in all correspondence concerning this project.

A review of the information provided indicates that the proposed work would include the construction of a road crossing over a stream, which includes the installation of a culvert and riprap fall for access to the southeastern portion of the property. Permanent impacts associated with this proposed project includes 109 linear feet of the stream (Harris Creek) present. The project area is located in Harris Creek; at the intersection of Louisburg Road and East Young Street, at Latitude 35.866150 and Longitude - 78.678600; in Raleigh, Wake County, North Carolina.

We have determined that the proposed work is authorized by NWP-29 (Residential Development) pursuant to authorities under Section 404 of the Clean Water Act (33 U.S.C § 1344). The proposed work must be accomplished in strict accordance with the general permit conditions, any regional conditions, the special conditions listed in this letter, the application materials, and the enclosed plans. If the extent of the project area and/or nature of the authorized impacts to waters are modified, a revised PCN must be submitted to this office for written approval before work is initiated. Any violation of permit conditions or deviation from your submitted plans may subject the permittee to enforcement action.

This verification is valid until **March 14, 2026**, unless prior to this date the subject NWP(s) is suspended, revoked, or is modified such that the activity no longer complies with the terms and conditions of this NWP. If you commence or are under contract to commence this activity before the date that the relevant NWP is modified or revoked, you will have 12 months from the date of the modification or revocation of the NWP to complete the activity under the present terms and conditions of this NWP.

**Project Specific Special Conditions:**

1. In order to compensate for impacts associated with this permit, mitigation shall be provided in accordance with the provisions outlined on the most recent version of the attached Compensatory Mitigation Responsibility Transfer Form. The requirements of this form, including any special conditions listed on this form, are hereby incorporated as special conditions of this permit authorization.
2. Suitable habitat for tricolored bat (*Perimyotis subflavus*) may be present at the site. On September 14, 2022, the USFWS published a proposal in the Federal Register to list the tricolored bat as endangered under the Endangered Species Act (ESA). The permittee understands and agrees that all work associated with the clearing and removal of trees and removal, or modification of culverts must be completed prior to the effective date of the final listing in the Federal Register. Work associated with the aforementioned activities not completed by that time must cease and the permittee must contact the Corps via Lyle Phillips by email at [George.L.Phillips@usace.army.mil](mailto:George.L.Phillips@usace.army.mil) or by telephone at (919) 588-9200 to determine if additional coordination with the United States Fish and Wildlife Service is required under Section 7 of the Endangered Species Act prior to continuing work.

Activities subject to Section 404 (as indicated above) may also require an individual Section 401 Water Quality Certification. You should contact the NC Division of Water Resources (telephone 919-807-6300) to determine Section 401 requirements.

This NWP verification does not preclude the necessity to obtain any other Federal, State, or local permits, licenses, and/or certifications, which may be required.

If you have any questions related to this verification or have issues accessing documents referenced in this letter, please contact **Eric Parks** of the SAD Technical Regional Execution Center on behalf of the **Raleigh Field Office** at **(912) 856-7137**, by mail at 100 West Oglethorpe Street, Savannah, GA 31401, or by email at [Eric.M.Parks@usace.army.mil](mailto:Eric.M.Parks@usace.army.mil). If you have any questions related to follow-up actions associated with this permit, such as compliance inspections, please contact **Lyle Phillips**, PM of the **Raleigh Regional Office** at **(919) 588-9200**, by mail at **3331 Heritage Trade Drive, Suite 105, Wake Forest, NC 27587**, or by email at [George.L.Phillips@usace.army.mil](mailto:George.L.Phillips@usace.army.mil). Please take a moment to complete our customer satisfaction survey located at <https://regulatory.ops.usace.army.mil/ords/f?p=136:4>.

Sincerely,

A light blue rectangular background containing the handwritten signature "Eric Parks" in a cursive script.

Eric Parks  
Biologist  
SAD, Technical Regional Execution Center

Enclosures:

Compliance Certification  
Mitigation Transfer Form  
Nationwide Permit 29  
Nationwide Permit General Conditions  
Nationwide Permit Regional Conditions  
Project Drawings

Cc (w/enclosures)

Jennifer Burdette, Natural Resource Consultants (via [burdette@nrconsultnc.com](mailto:burdette@nrconsultnc.com))

**Compliance Certification Form**

**File Number: SAW-2008-00871**

**County: Wake**

**Permittee: Ashton Raleigh Residential, LLC, Bob Mishler**

**Project Name: the Point South – Phase 3 project**

**Date Verification Issued: 12/17/2024**

**Project Manager: Eric Parks**

Within 10 days of completion of the activity authorized by this permit and any mitigation required by the permit, sign this certification and return it to the following address:

**US ARMY CORPS OF ENGINEERS  
Wilmington District  
Attn: Eric Parks  
Technical Regional Execution Center  
100 West Oglethorpe Avenue  
Savannah, Georgia 31401  
or  
Eric.M.Parks@usace.army.mil**

Please note that your permitted activity is subject to a compliance inspection by a U. S. Army Corps of Engineers representative. Failure to comply with any terms or conditions of this authorization may result in the Corps suspending, modifying or revoking the authorization and/or issuing a Class I administrative penalty, or initiating other appropriate legal action.

I hereby certify that the work, and mitigation (if applicable), authorized by the above referenced permit has been completed in accordance with the terms and conditions of the said permit including any general or specific conditions.

**Date Authorized Work Started:** \_\_\_\_\_ **Completed:** \_\_\_\_\_

Describe any deviations from permit (attach drawing(s) depicting the deviations):

\_\_\_\_\_

\_\_\_\_\_  
**\*Note: The description of any deviations on this form does not constitute approval by the Corps.**

\_\_\_\_\_  
**Signature of Permittee**

\_\_\_\_\_  
**Date**

**US Army Corps of Engineers – Wilmington District**  
**Compensatory Mitigation Responsibility Transfer Form**

**Permittee: Bob Mishler**  
**Project Name: The Point South – Phase 3 Project**

**Action ID: SAW-2008-00871**  
**County: Wake**

**Instructions to Permittee:** The Permittee must provide a copy of this form to the Mitigation Sponsor, either an approved Mitigation Bank or the North Carolina Division of Mitigation Services (NCDMS), who will then sign the form to verify the transfer of the mitigation responsibility. Once the Sponsor has signed this form, it is the Permittee’s responsibility to ensure that Wilmington District Project Manager identified on page two is in receipt of a signed copy of this form before conducting authorized impacts, unless otherwise specified below. If more than one Mitigation Sponsor will be used to provide the mitigation associated with the permit, or if the impacts and/or the mitigation will occur in more than one 8-digit Hydrologic Unit Code (HUC), multiple forms will be attached to the permit, and the separate forms for each Sponsor and/or HUC must be provided to the appropriate Mitigation Sponsors.

**Instructions to Sponsor:** The Sponsor verifies that the mitigation requirements (credits) shown below have been released and are available at the identified site. By signing below, the Sponsor is accepting full responsibility for the identified mitigation, regardless of whether they have received payment from the Permittee. Once the form is signed, the Sponsor must update the bank ledger and provide a copy of the signed form and the updated ledger to the Permittee, the Project Manager who issued the permit, the Bank Project Manager, and the District Mitigation Office (see contact information on page 2). The Sponsor must also comply with all reporting requirements established in their authorizing instrument.

**Permitted Impacts and Compensatory Mitigation Requirements**

Permitted Impacts Requiring Mitigation\*: 8-digit HUC and Basin: 03020201, Neuse River Basin

Stream Impacts (linear feet)			Wetland Impacts (acres)			
Warm	Cool	Cold	Riparian Riverine	Riparian Non-Riverine	Non-Riparian	Coastal
81						

\*If more than one mitigation sponsor will be used for the permit, only include impacts to be mitigated by this sponsor.

Compensatory Mitigation Requirements: 0.20 8-digit HUC and Basin: 03020201, Neuse River Basin

Stream Mitigation (credits)			Wetland Mitigation (credits)			
Warm	Cool	Cold	Riparian Riverine	Riparian Non-Riverine	Non-Riparian	Coastal
162						

**Mitigation Site Debited:** NCDMS

(List the name of the bank to be debited. For umbrella banks, also list the specific site. For NCDMS, list NCDMS. If the NCDMS acceptance letter identifies a specific site, also list the specific site to be debited).

***Section to be completed by the Mitigation Sponsor***

**Statement of Mitigation Liability Acceptance:** I, the undersigned, verify that I am authorized to approve mitigation transactions for the Mitigation Sponsor shown below, and I certify that the Sponsor agrees to accept full responsibility for providing the mitigation identified in this document (see the table above), associated with the USACE Permittee and Action ID number shown. I also verify that released credits (and/or advance credits for NCDMS), as approved by the Wilmington District, are currently available at the mitigation site identified above. Further, I understand that if the Sponsor fails to provide the required compensatory mitigation, the USACE Wilmington District Engineer may pursue measures against the Sponsor to ensure compliance associated with the mitigation requirements.

**Mitigation Sponsor Name:** \_\_\_\_\_

**Name of Sponsor’s Authorized Representative:** \_\_\_\_\_

\_\_\_\_\_  
**Signature of Sponsor’s Authorized Representative**

\_\_\_\_\_  
**Date of Signature**

**Conditions for Transfer of Compensatory Mitigation Credit:**

- Once this document has been signed by the Mitigation Sponsor and the District is in receipt of the signed form, the Permittee is no longer responsible for providing the mitigation identified in this form, though the Permittee remains responsible for any other mitigation requirements stated in the permit conditions.
- Construction within jurisdictional areas authorized by the permit identified on page one of this form can begin only after the District is in receipt of a copy of this document signed by the Sponsor, confirming that the Sponsor has accepted responsibility for providing the mitigation requirements listed herein. When NCDMS provides mitigation for authorized impacts conducted by the North Carolina Department of Transportation (NCDOT), construction within jurisdictional areas may proceed upon permit issuance; however, a copy of this form signed by NCDMS must be provided to the District within 30 days of permit issuance. NCDOT remains fully responsible for the mitigation until the District has received this form, confirming that the Sponsor has accepted responsibility for providing the mitigation requirements listed herein.
- Signed copies of this document must be retained by the Permittee, Mitigation Sponsor, and in the USACE administrative records for both the permit and the Bank/ILF Instrument. It is the Permittee’s responsibility to ensure that the District Project Manager (address below) is provided with a signed copy of this form.
- If changes are proposed to the type, amount, or location of mitigation after this form has been signed and returned to the District, the Sponsor must obtain case-by-case approval from the District Project Manager and/or North Carolina Interagency Review Team (NCIRT). If approved, higher mitigation ratios may be applied, as per current District guidance and a new version of this form must be completed and included in the District administrative records for both the permit and the Bank/ILF Instrument.

**Comments/Additional Conditions:**

A letter from NCDMS, confirming they are willing and able to accept the applicant’s compensatory mitigation responsibility, dated December 6, 2024 was provided by the applicant.

This form is not valid unless signed below by the District Project Manager and by the Mitigation Sponsor on Page 1. ***Once signed, the Sponsor should provide copies of this form along with an updated bank ledger to: 1) the Permittee, 2) the District Project Manager at the address below, 3) the Bank Manager listed in RIBITS, and 4) the Wilmington District Mitigation Office, 3331 Heritage Trade Drive, Suite 105, Wake Forest, NC 27587 (or by email to [SAWMIT@usace.army.mil](mailto:SAWMIT@usace.army.mil)).*** Questions regarding this form or any of the permit conditions may be directed to the District Mitigation Office.

**USACE Project Manager:** Eric Parks  
**USACE Field Office:** Technical Regional Execution Center  
US Army Corps of Engineers  
100 West Oglethorpe Avenue  
Savannah, GA 31404  
**Email:** Eric.M.Parks@usace.army.mil

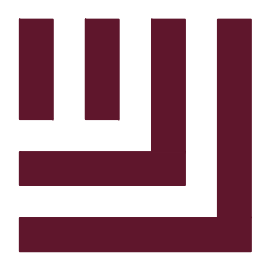
\_\_\_\_\_  
\_\_\_\_\_  
**Wilmington District Project Manager Signature**

\_\_\_\_\_ Click here to enter a date.  
**Date of Signature**

Current Wilmington District mitigation guidance, including information on mitigation ratios, functional assessments, and mitigation bank location and availability, and credit classifications (including stream temperature and wetland groupings) is available at <http://ribits.usace.army.mil>.



# THE POINT - PHASES 3, 4, 5, 7 AND 10



**McADAMS**

The John R. McAdams Company, Inc.  
2905 Meridian Parkway  
Durham, NC 27713

phone 919. 361. 5000  
fax 919. 361. 2269  
license number: C-0293, C-187

www.mcadamsco.com

**CONTACT**

MIKE SANCHEZ  
sanchez@mcadamsco.com  
PHONE: 919. 361. 5000

**CLIENT**

ASHTON RALEIGH RESIDENTIAL, LLC.  
900 RIDGEFIELD DRIVE, SUITE 335  
RALEIGH, NORTH CAROLINA 27609  
PHONE: 919. 422. 7663  
CONTACT: BOB MISHLER

**PROJECT DIRECTORY**

EAST YOUNG STREET  
ROLESVILLE, NORTH CAROLINA

## CONSTRUCTION DRAWINGS - PACKAGE 2

PROJECT NUMBER: AWH-20000

DATE: MAY 8, 2023

**15.4.5 - Streets**

15.4.5.1 Type of Street Required All subdivision lots shall abut at least 20 feet on a public street. All public streets shall be dedicated to the Town of Rolesville, the State of North Carolina or the public as determined appropriate by the Board of Commissioners of the Town of Rolesville. All public streets shall be built to the standards of this ordinance and all other applicable standards of the Town of Rolesville and the North Carolina Department of Transportation. Public streets not dedicated to the Town which are eligible for acceptance into the State Highway System shall be constructed to the standards necessary to be put on the State Highway System or the standards in this ordinance, whichever is stricter, in regard to each particular item and shall be put on such system. Streets not dedicated to the Town which are not eligible to be put on the State Highway System because there are too few lots or residences shall, nevertheless, be dedicated to the public and shall be in accordance with the standards in this ordinance or the standards necessary to be put on the State Highway System, whichever is stricter in regard to each particular item, so as to be eligible to be put on the system at a later date. A written maintenance agreement with provisions for maintenance of the street until it is put on the State System shall be included with the final plat.

15.4.5.2 Subdivision Street Disclosure Statement All streets shown on the final plat shall be designated in accordance with G.S. § 136-102.6 and designation as public shall be conclusively presumed an offer of dedication to the public. Where streets are dedicated to the public but not accepted into a municipal or the State system, before lots are sold, a statement explaining the status of the street shall be included with the final plat.

PARCEL OWNER LIST		
PIN	OWNER	AREA
1768131851	ASHTON RALEIGH RESIDENTIAL, LLC 4025 LAKE BOONE TRAIL, SUITE 200 RALEIGH, NORTH CAROLINA 27607	31.13 AC.
1768254698	BROOKFIELD HOLDINGS (THE POINT) LLC ANDREW BRAUSA 250 VESEY STREET FL 15 NEW YORK, NY 10281-1065	109.24 AC.
1768347557	ASHTON RALEIGH RESIDENTIAL, LLC 4025 LAKE BOONE TRAIL, SUITE 200 RALEIGH, NORTH CAROLINA 27607	11.90 AC.
1758839170	ASHTON RALEIGH RESIDENTIAL, LLC 4025 LAKE BOONE TRAIL, SUITE 200 RALEIGH, NORTH CAROLINA 27607	47.53 AC.

**SURVEY BY:**  
BATEMAN CIVIL SURVEY COMPANY  
2424 RELIANCE AVENUE, APEX, NC 27539

TOPOGRAPHIC DECEMBER 22, 2019  
ALTA SURVEY DECEMBER 12, 2019

STEVEN P CARSON, PLS  
NC LICENSE # 4752  
919-577-1081

**SURVEY NOTES**

- THE PROPERTY LIES IN ZONE "X" PER NATIONAL FLOOD INSURANCE PROGRAM RATE MAP 3720175800J & 3720176800J DATES 05/02/2006.
- ALL DISTANCES ARE HORIZONTAL GROUND DISTANCES AND ALL BEARINGS ARE BASED ON OBSERVED GPS CONTROL. NAD 83 / NRS 2011 / STATE PLANE COORDINATES.
- SUBJECT PARCEL ZONED R & PUD PER WAKE COUNTY GIS.
- SURVEY WAS PREPARED BY BATEMAN CIVIL SURVEY COMPANY UNDER THE SUPERVISION OF STEVEN P. CARSON, PLS. FIELD WORK WAS COMPLETED DEC 3 - 21, 2018.
- AREAS COMPUTED BY COORDINATE METHOD.
- SANITARY SEWER LINE EASEMENT WAS CREATED BASED ON CENTER LINES ON MANHOLES USING FIELD EVIDENCE.
- NO CEMETERIES OBSERVED AS A RESULT OF THE SURVEY.
- BUILDINGS ARE AS SHOWN ON SURVEY.

Impervious Summary				
Total Areas For Lots				
SF	Imp	Roof	Driv	Pav
1768131851	10,400	0	0	0
1768254698	104,729	0	0	0
1768347557	1,838	0	0	0
1758839170	1,838	0	0	0

Lot Assumptions Breakdown					
SF	Imp	Roof(70% Imp.)	Sidewalk(20% Imp.)	Driveway(20% Imp.)	Pavement
1768131851	10,400	0.00	0.00	0.00	0.00
1768254698	104,729	0.00	0.00	0.00	0.00
1768347557	1,838	0.00	0.00	0.00	0.00
1758839170	1,838	0.00	0.00	0.00	0.00
<b>Totals/Lots</b>	<b>124,804</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>

Residential	
Area	SF
Right-of-Way	634,318
Grassed Right-of-Way	424,388
Driveway	186,114
Parking Lot	0
Roof	651,998
Sidewalk (includes Porch)	392,538
Lawn	460,291
Managed Pervious	0
Wooded (on lots)	302,852
Wooded (on lots)	74,326
Open (includes Creek)	211,666



CD 20-08 REVISION / Construction Drawings /  
The Point Phases 3,4,5,7,10 (Package 2)

**APPROVED**  
Date: March 4, 2024

*Michael D. Huber*  
Town of Rolesville Planning Department

**CORPUD APPROVAL CONDITION:**  
CONVEYANCE OF SEWAGE FROM THE PROPOSED LOTS WITHIN THE POINT SOUTH CD PACKAGE #2 WILL RELY ON IMPROVEMENTS TO THE HARRIS CREEK INTERCEPTOR THAT ARE BEING DESIGNED BY McADAMS AND AMERICAN ENGINEERING. THE PLAN SET BY McADAMS IS TITLED HARRIS CREEK INTERCEPTOR IMPROVEMENTS AND WILL BE ASSIGNED PERMIT # S-4979. THE PLAN SET BY AMERICAN ENGINEERING IS TITLED HARRIS CREEK SANITARY SEWER REPLACEMENT AND WILL BE ASSIGNED PERMIT # S-5037. THE POINT SOUTH CD PACKAGE #2 LOTS WILL NOT BE RECORDED AND THE ONSITE WATER/SEWER UTILITIES WILL NOT BE ACCEPTED BY RALEIGH UNTIL THE HARRIS CREEK INTERCEPTOR IMPROVEMENTS UNDER PERMITS # S-4979 AND # S-5037 ARE APPROVED, INSTALLED, AND ACCEPTED BY RALEIGH FOR MAINTENANCE.

**EROSION CONTROL, STORMWATER AND FLOODPLAIN MANAGEMENT**

**APPROVED**

EROSION CONTROL  S-  
STORMWATER MGMT.  S-  
FLOOD STUDY  S-  
DATE \_\_\_\_\_

*Janet Boyer*  
ENVIRONMENTAL CONSULTANT SIGNATURE

**Water and Sewer Permits (if applicable)**

The City of Raleigh consents to the connection and extension of the City's Public Sewer System as shown on this plan. The material and Construction methods used for this project shall conform to the standards and specifications of the City's Public Utilities Handbook. City of Raleigh Public Utilities Department Permit # **S-3935**

The City of Raleigh consents to the connection and extension of the City's Public Water System as shown on this plan. The material and Construction methods used for this project shall conform to the standards and specifications of the City's Public Utilities Handbook. City of Raleigh Public Utilities Department Permit # **W-3862**

The City of Raleigh consents to the connection to its public sewer system and extension of the private sewer collection system as shown on this plan. The material and construction methods used for this project shall conform to the standards and specifications of the City's Public Utilities Handbook. City of Raleigh Public Utilities Department Permit # \_\_\_\_\_

**CITY OF RALEIGH - PLANS AUTHORIZED FOR CONSTRUCTION**

Electronic Approval: This approval is being issued electronically. This approval is valid only upon the signature of a City of Raleigh Review Officer below. The City will retain a copy of the approved plans. Any work authorized by this approval must proceed in accordance with the plans kept on file with the City. This electronic approval may not be edited once issued. Any modification to this approval once issued will invalidate this approval. Timothy Beasley, City of Raleigh Development Approval

City of Raleigh Review Officer \_\_\_\_\_

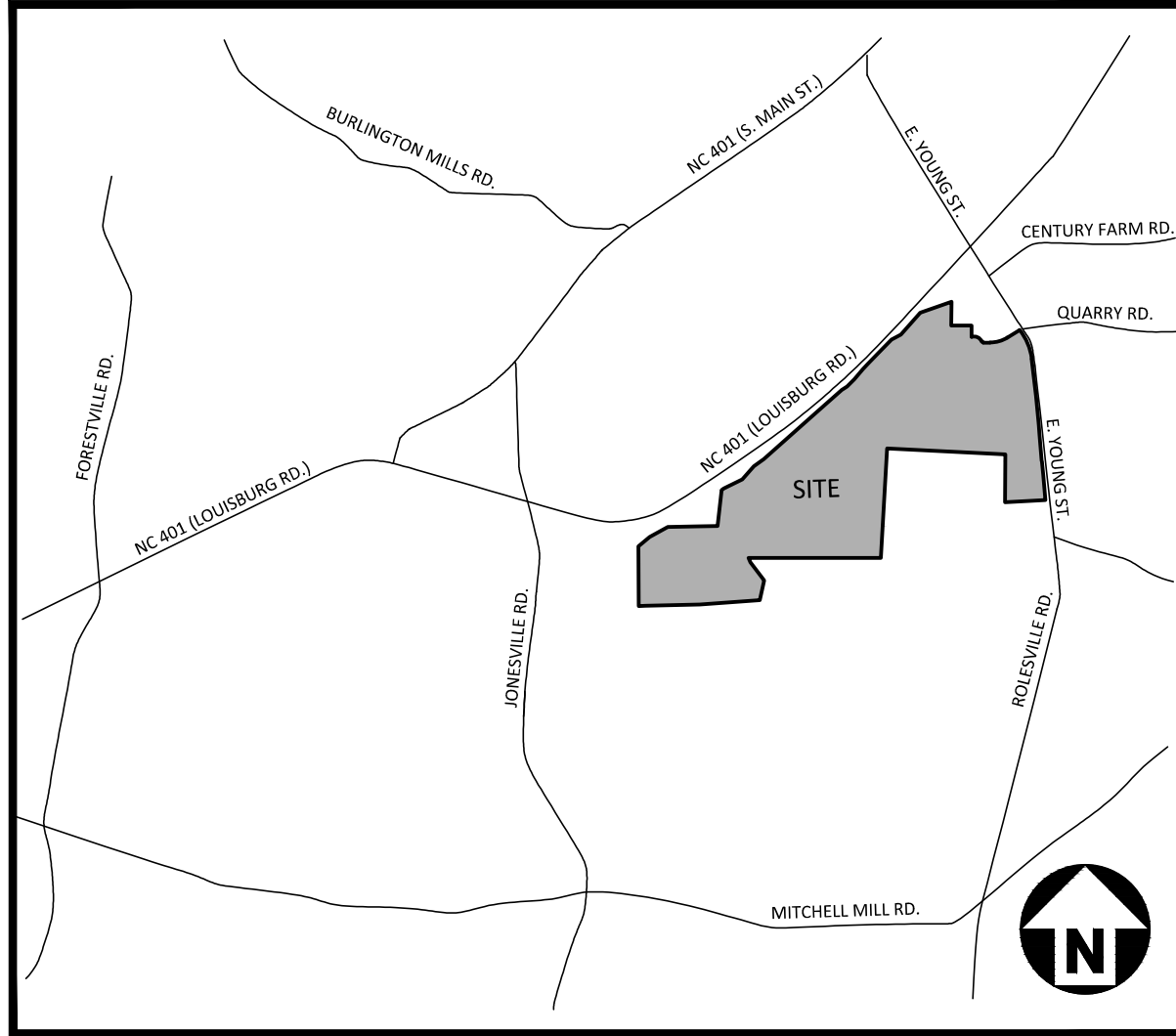
**QUANTITIES:**

STREETS	QUANTITY	AREA
QUARRY ROAD "1"	60' R/W	1,833 LF
ATHIRST WAY	50' R/W	418 LF
CHERUBIC WAY	50' R/W	305 LF
CHARM COURT	50' R/W	968 LF
FETCHING PLACE	60' R/W	1,484 LF
LINEAGE PLACE	50' R/W	410 LF
MIRTH COURT	50' R/W	724 LF
ROSY COURT	50' R/W	290 LF
PARAGON PLACE	50' R/W	544 LF
SANGUINE WAY	50' R/W	1,429 LF
STRIPS DRIVE	60' R/W	564 LF
SERAPHIC WAY	50' R/W	1,060 LF
SOLACE WAY	50' R/W	2,342 LF

**PUBLIC UTILITY IMPROVEMENTS QUANTITIES (CONSTRUCTION DRAWINGS - PACKAGE 2)**

PHASE NUMBER	ALL PHASES
NUMBER OF LOTS	357
LOT NUMBERS	267-623
6" PUBLIC WATER (LF)	616 LF
8" PUBLIC WATER (LF)	6,948 LF
12" PUBLIC WATER (LF)	3,802 LF
8" PUBLIC SEWER (LF)	12,298 LF
WATER SERVICE STUBS	357
SEWER SERVICE STUBS	357



**VICINITY MAP**  
N.T.S.

CD 20-08



*W.T. O'Daniel*  
William T O'Daniel, c=US, o=North Carolina, email=odaniel@mcadamsco.com, 2024.03.05 09:12:42 -0500

**REVISIONS**

NO.	DATE	REV POND, STORM DRAINAGE AND ADD WALL
1	02. 20. 2024	

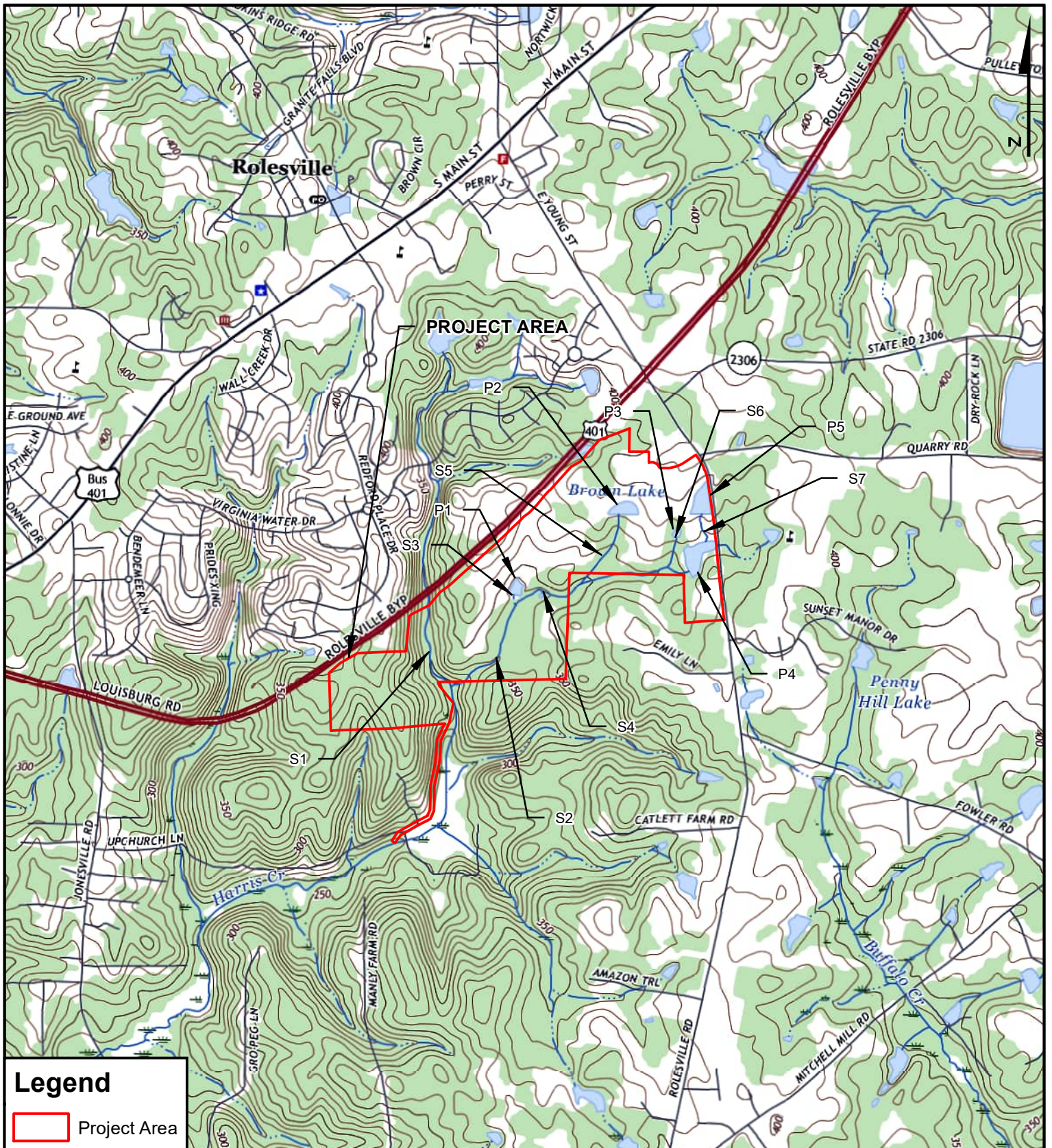
**CONSTRUCTION DRAWINGS PACKAGE 1 FOR:**

THE POINT  
PHASES 1-10 AND 14  
EAST YOUNG STREET  
ROLESVILLE, NORTH CAROLINA  
PROJECT NUMBER: AWH-20000

FINAL DRAWING - RELEASED FOR CONSTRUCTION

I:\Projects\AWH\AWH-20000\04-Production\Engineering\Construction Drawings\Current Drawings\AWH20000-CD-Pkg-02-CSI-Rev-3-75-2024-9-07-08-AM-Sherill Williams





**Legend**

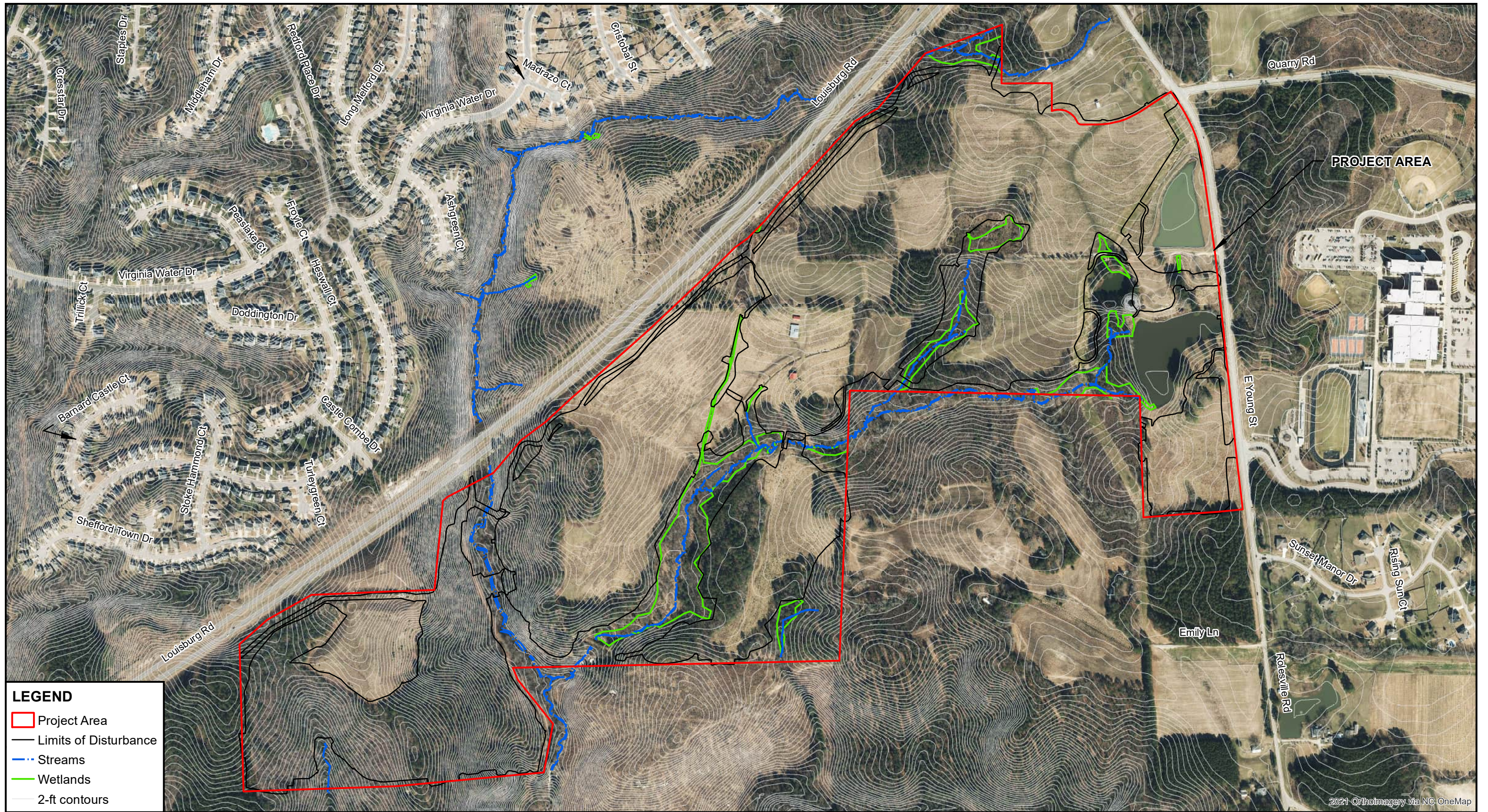
Project Area

NOTES:  
 1. USGS; 7.5 MINUTE, QUAD, ROLESVILLE, NORTH CAROLINA; 2022  
 2. LAT: 35.904642, LONG: -78.455435



**FIGURE 1. USGS TOPOGRAPHIC MAP  
 THE POINT SOUTH  
 ROLESVILLE, WAKE COUNTY, NC**

0 1,000 2,000  
 Feet  
 1 inch = 2,000 feet  
 VERSION: 1  
 DATE: 5/13/2024  
 JOB NO: 21024  
 DRAWN BY: Alec



**LEGEND**

- ▭ Project Area
- Limits of Disturbance
- Streams
- Wetlands
- 2-ft contours

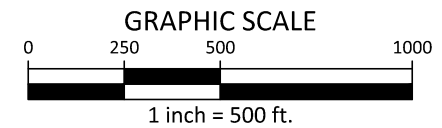
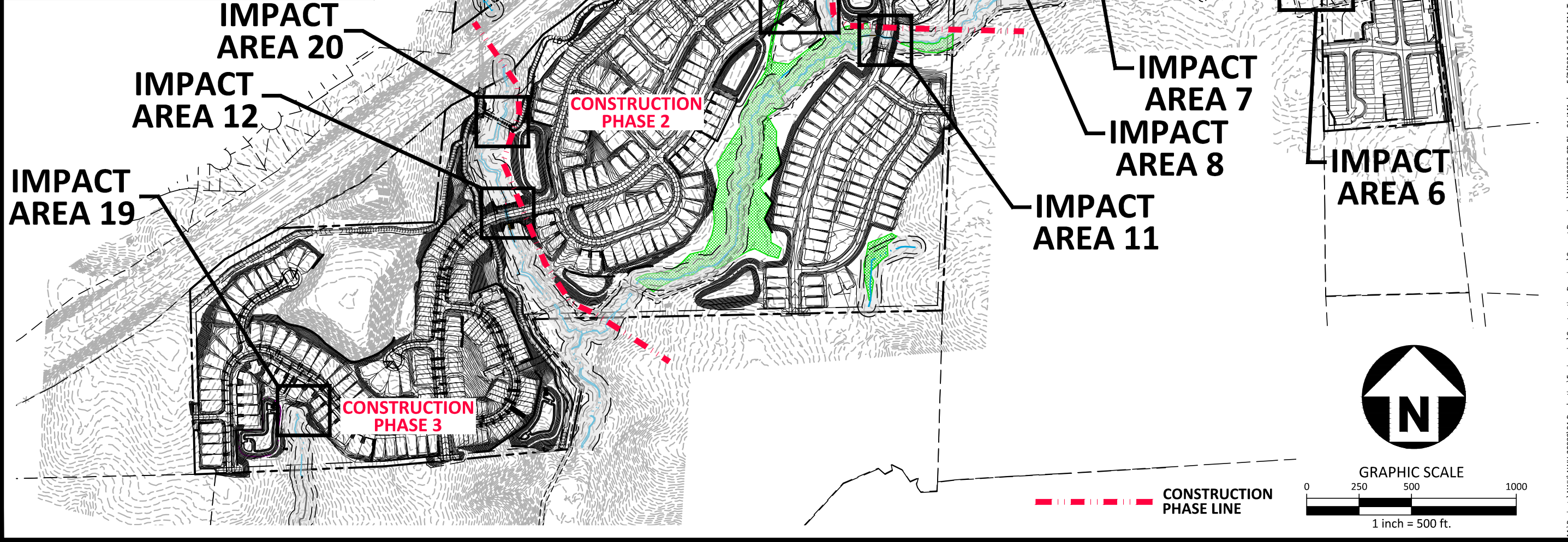
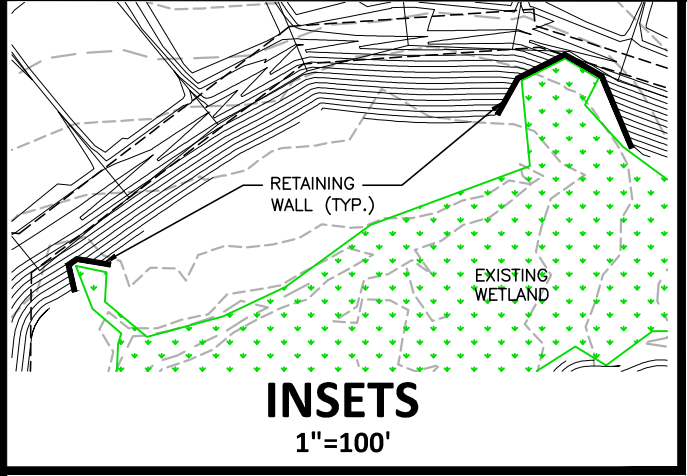
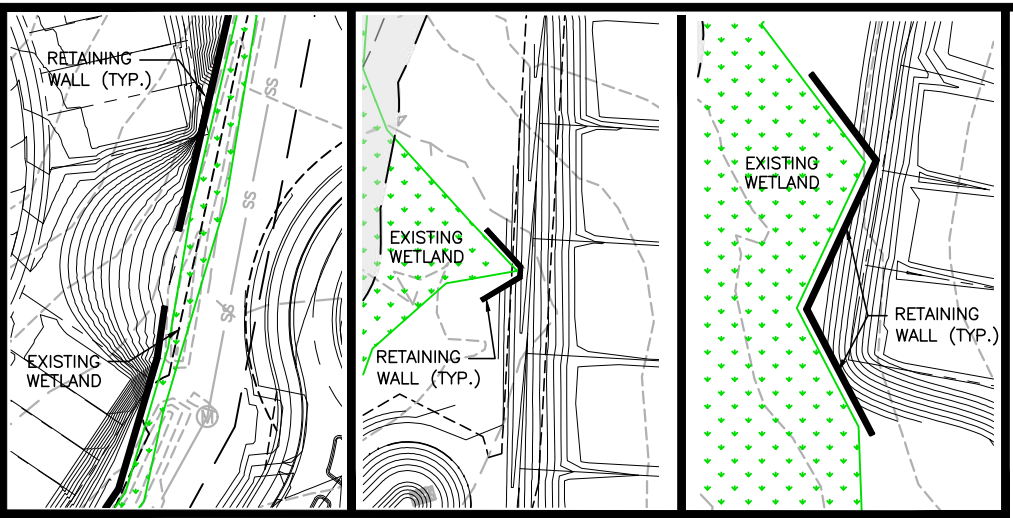


FIGURE 3. AERIAL MAP  
THE POINT - SOUTH  
ROLESVILLE, WAKE COUNTY, NC



0 275 550  
Feet  
1 inch = 550 feet

VERSION: 1  
DATE: 5/10/2024  
JOB NO: AWH-20000  
DRAWN BY: Alec



**PLAN INFORMATION**

PROJECT NO. AWH-18010

FILENAME AWH20000-CD-IM1

CHECKED BY JB

DRAWN BY SRW

SCALE 1"=500'

DATE 05.07.2024

**THE POINT**

PHASES 1-10 AND 14

OVERALL IMPACT EXHIBIT

TOWN OF ROLESVILLE, NORTH CAROLINA

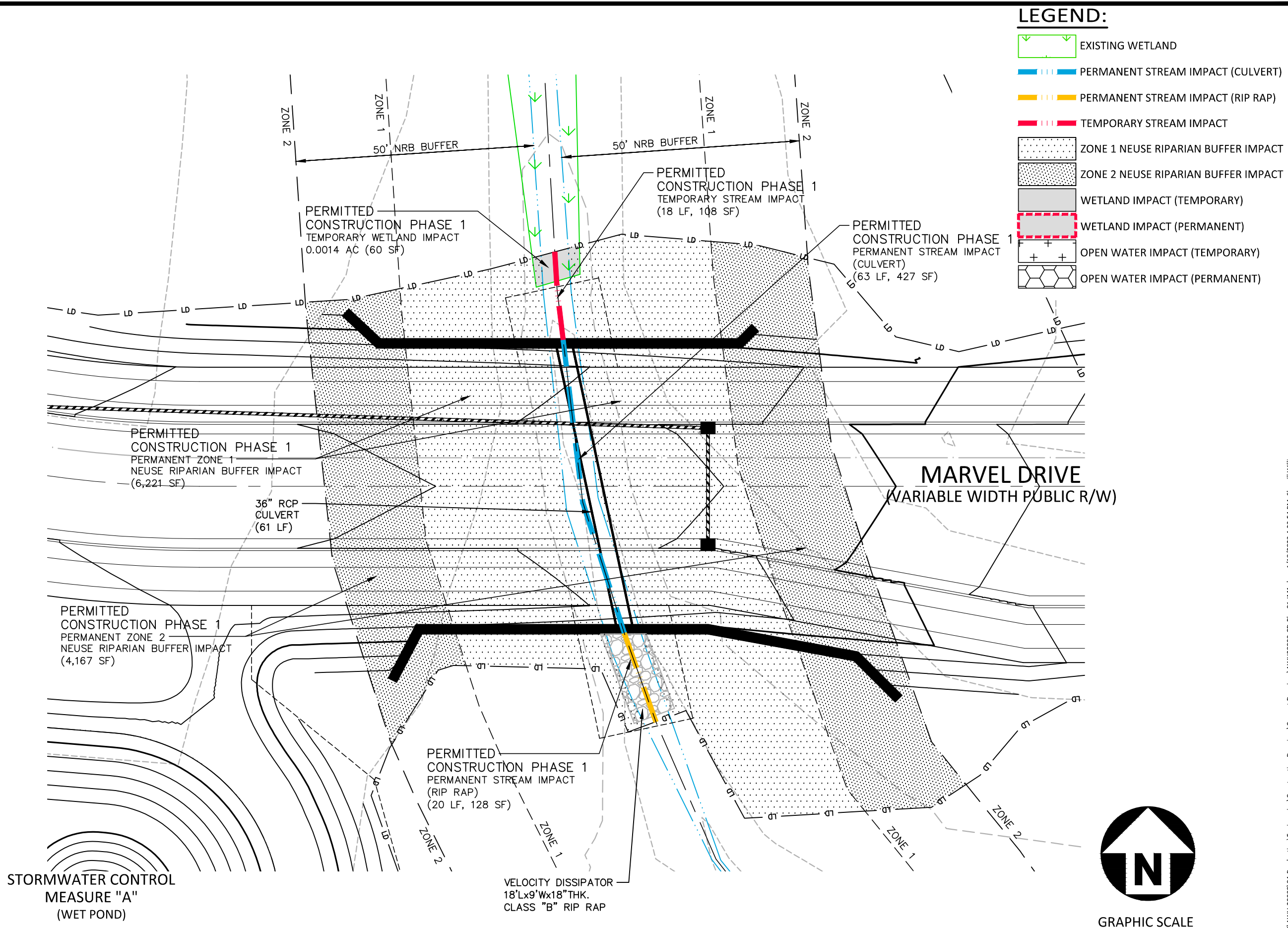
The John R. McAdams Company, Inc.  
2905 Meridian Parkway  
Durham, NC 27713

phone 919.361.5000  
fax 919.361.2269  
license number: C-0293, C-187

www.mcadamsco.com



M:\Projects\AWH\AWH-20000\04-Production\Engineering\Construction Drawings\AWH20000-CD-Pkg-01-IM1.dwg, 5/7/2024 3:55:04 PM, Tommy Dabolt



**LEGEND:**

	EXISTING WETLAND
	PERMANENT STREAM IMPACT (CULVERT)
	PERMANENT STREAM IMPACT (RIP RAP)
	TEMPORARY STREAM IMPACT
	ZONE 1 NEUSE RIPARIAN BUFFER IMPACT
	ZONE 2 NEUSE RIPARIAN BUFFER IMPACT
	WETLAND IMPACT (TEMPORARY)
	WETLAND IMPACT (PERMANENT)
	OPEN WATER IMPACT (TEMPORARY)
	OPEN WATER IMPACT (PERMANENT)

**PLAN INFORMATION**  
 PROJECT NO. AWH-18010  
 FILENAME AWH20000-CD-IMI  
 CHECKED BY JB  
 DRAWN BY SRW  
 SCALE 1"=20'  
 DATE 01.19.2023

**THE POINT**  
 PHASES 1-10 AND 14  
 IMPACT EXHIBIT - IMPACT AREA 1  
 TOWN OF ROLESVILLE, NORTH CAROLINA

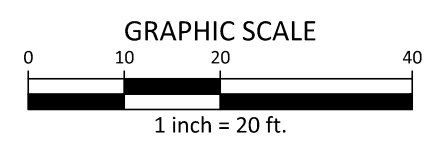
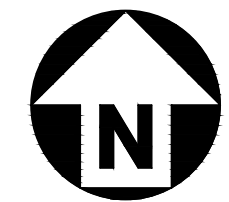
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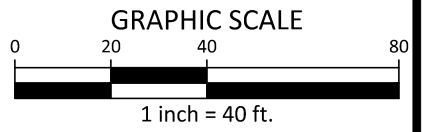
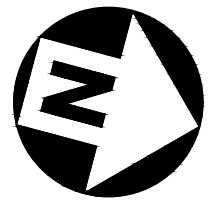
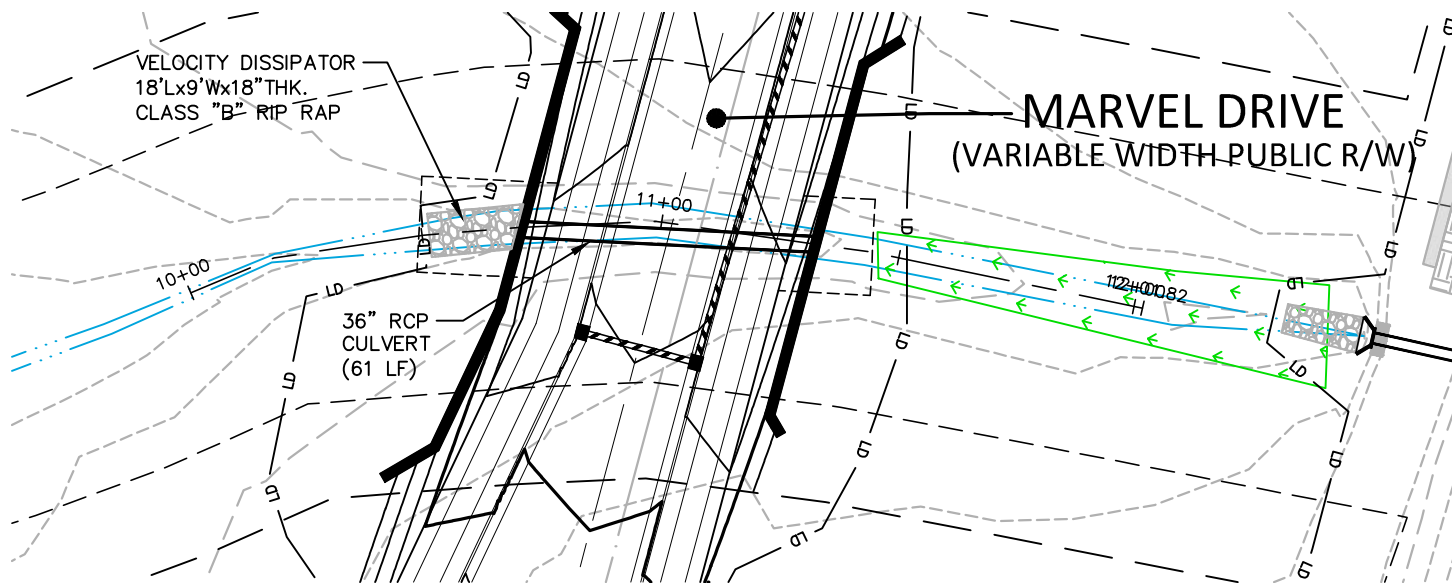
The John R. McAdams Company, Inc.  
 2905 Meridian Parkway  
 Durham, NC 27713  
 phone 919.361.5000  
 fax 919.361.2269  
 license number: C-0293, C-187  
 www.mcadamsco.com



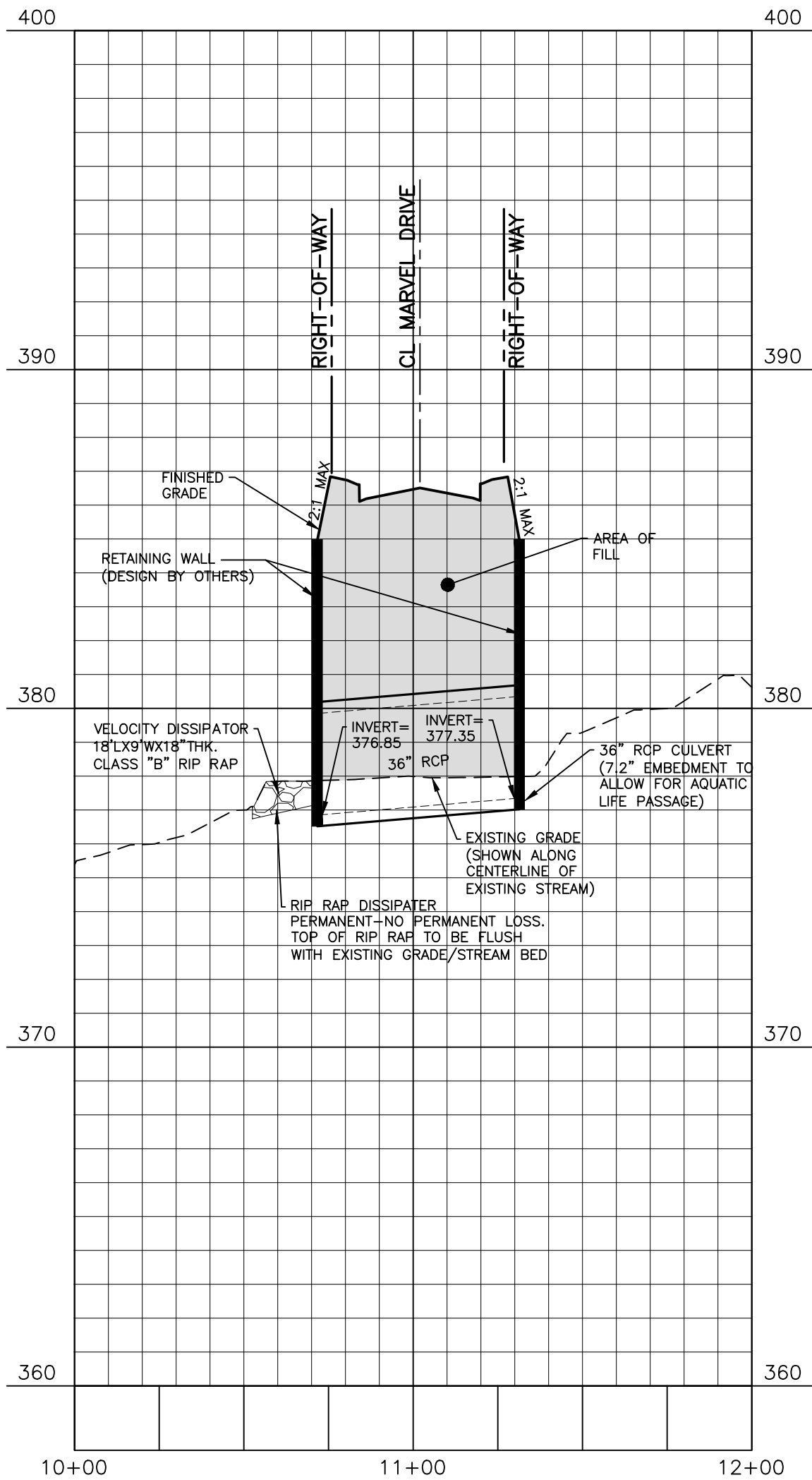
STORMWATER CONTROL  
 MEASURE "A"  
 (WET POND)

**IMPACT AREA 1**





### IMPACT AREA 1



M:\Projects\AWH\AWH-20000\04-Production\Engineering\Construction Drawings\Current Drawings\AWH20000-CD-Pkg-01-IM1.dwg, 1/18/2023 4:31:42 PM, Sherrill Williams



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Durham, NC 27713

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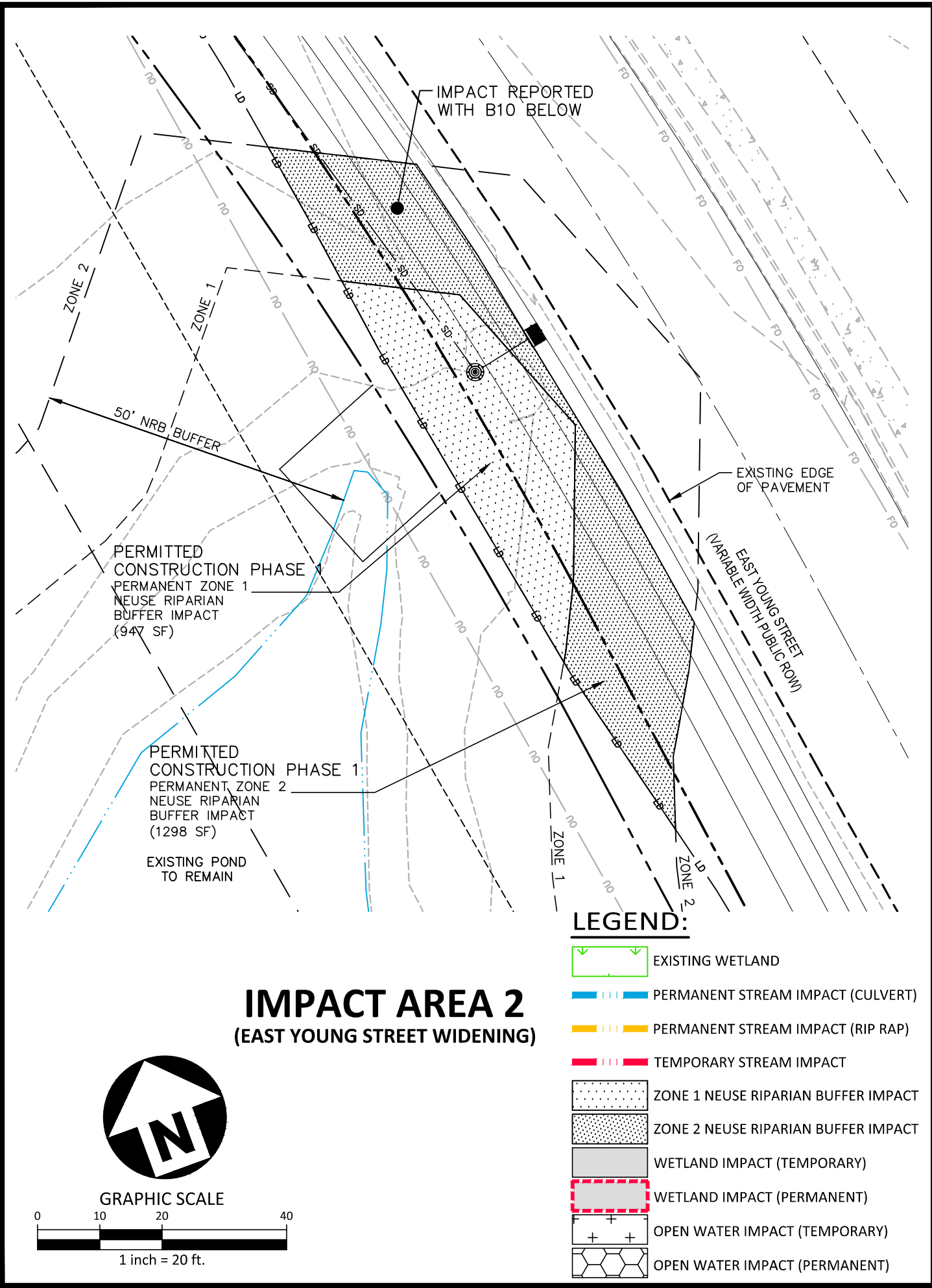
## THE POINT

### PHASES 1-10 AND 14

#### IMPACT EXHIBIT - CULVERT CROSS SECTION

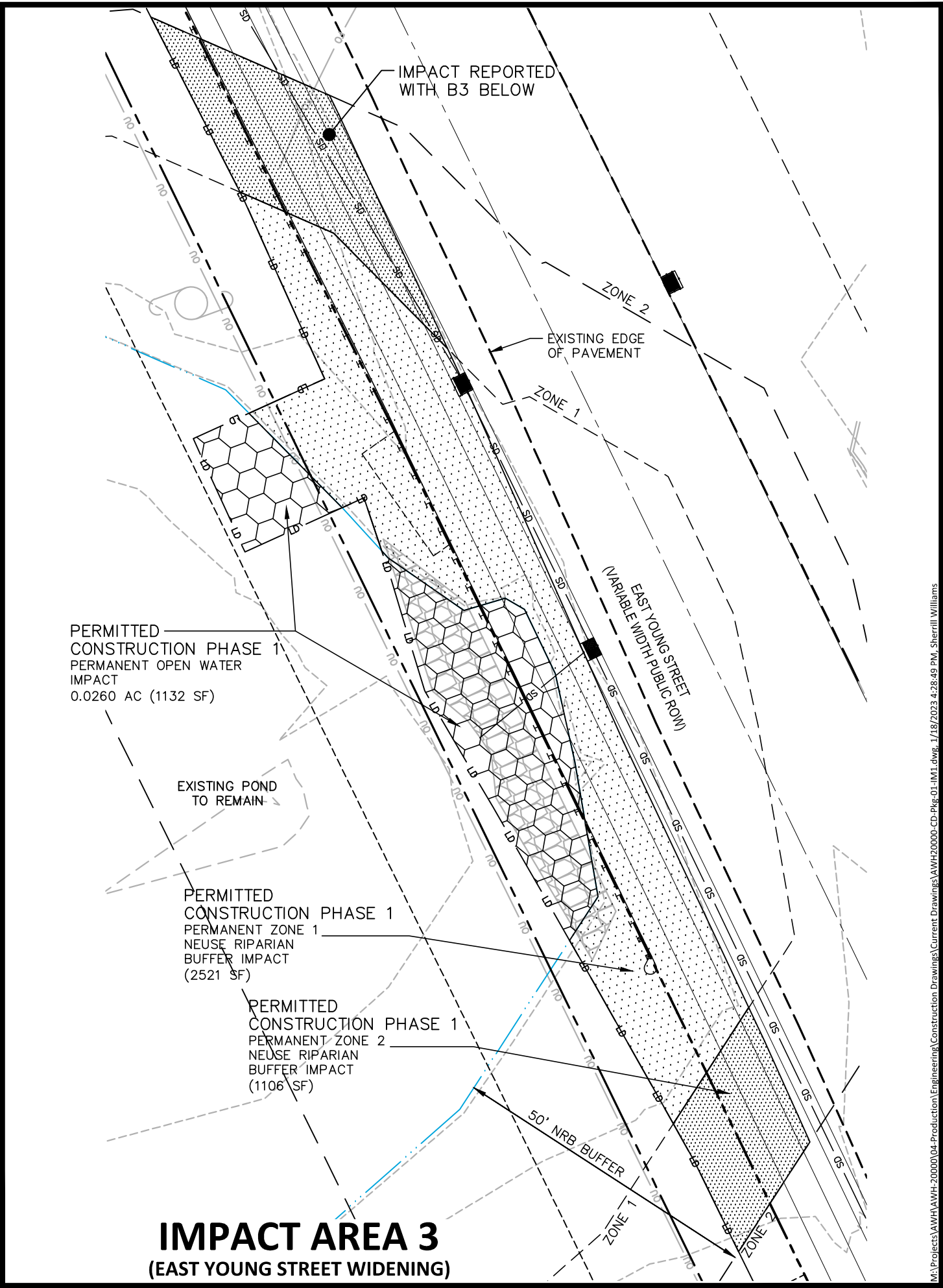
TOWN OF ROLESVILLE, NORTH CAROLINA

PLAN INFORMATION	
PROJECT NO.	AWH-18010
FILENAME	AWH20000-CD-IM1
CHECKED BY	JB
DRAWN BY	SRW
SCALE	1"=40'/1"=4'
DATE	01. 19. 2023



## IMPACT AREA 2 (EAST YOUNG STREET WIDENING)

- LEGEND:**
- EXISTING WETLAND
  - PERMANENT STREAM IMPACT (CULVERT)
  - PERMANENT STREAM IMPACT (RIP RAP)
  - TEMPORARY STREAM IMPACT
  - ZONE 1 NEUSE RIPARIAN BUFFER IMPACT
  - ZONE 2 NEUSE RIPARIAN BUFFER IMPACT
  - WETLAND IMPACT (TEMPORARY)
  - WETLAND IMPACT (PERMANENT)
  - OPEN WATER IMPACT (TEMPORARY)
  - OPEN WATER IMPACT (PERMANENT)



## IMPACT AREA 3 (EAST YOUNG STREET WIDENING)

**PLAN INFORMATION**  
 PROJECT NO. AWH-18010  
 FILENAME AWH20000-CD-IMI  
 CHECKED BY JB  
 DRAWN BY SRW  
 SCALE 1"=20'  
 DATE 01.19.2023

# THE POINT

PHASES 1-10 AND 14  
 IMPACT EXHIBIT - IMPACT AREAS 2 AND 3  
 TOWN OF ROLESVILLE, NORTH CAROLINA

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MATCH LINE - SEE BELOW

MATCH LINE - SEE ABOVE

# IMPACT AREA 4

## LEGEND:

- EXISTING WETLAND
- PERMANENT STREAM IMPACT (CULVERT)
- PERMANENT STREAM IMPACT (RIP RAP)
- TEMPORARY STREAM IMPACT
- ZONE 1 NEUSE RIPARIAN BUFFER IMPACT
- ZONE 2 NEUSE RIPARIAN BUFFER IMPACT
- WETLAND IMPACT (TEMPORARY)
- WETLAND IMPACT (PERMANENT)
- OPEN WATER IMPACT (TEMPORARY)
- OPEN WATER IMPACT (PERMANENT)

DAM EMBANKMENT IN THIS AREA TO BE REMOVED AND REPLACED PER DIRECTION OF ON-SITE GEOTECHNICAL ENGINEER

PERMITTED CONSTRUCTION PHASE 1 ZONE 1 NEUSE RIPARIAN BUFFER IMPACT (6,673 SF)

PERMITTED CONSTRUCTION PHASE 1 ZONE 2 NEUSE RIPARIAN BUFFER IMPACT (EXISTING GRAVEL/DIRT ROAD) (3,198 SF)

PERMITTED CONSTRUCTION PHASE 1 TEMPORARY WETLAND IMPACT 0.0033 AC (144 SF)  
PERMITTED CONSTRUCTION PHASE 1 PERMANENT WETLAND IMPACT (RIP RAP APRON) 0.0014 AC (59 SF)

PERMITTED CONSTRUCTION PHASE 1 TEMPORARY OPEN WATER IMPACT 0.0472 AC (2,058 SF)

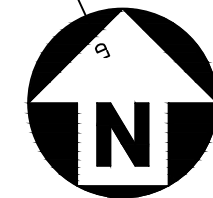
PERMITTED CONSTRUCTION PHASE 1 PERMANENT OPEN WATER IMPACT 0.0006 AC (25 SF)

PERMITTED CONSTRUCTION PHASE 1 PERMANENT STREAM IMPACT (CULVERT) (1 LF, 0.05 SF)

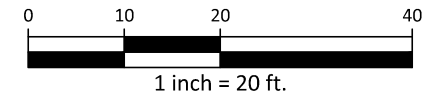
PERMITTED CONSTRUCTION PHASE 1 PERMANENT STREAM IMPACT (RIP RAP) (16 LF, 20 SF)

PERMITTED CONSTRUCTION PHASE 1 TEMPORARY STREAM IMPACT (3 LF, 6 SF)

EXISTING POND TO REMAIN



GRAPHIC SCALE



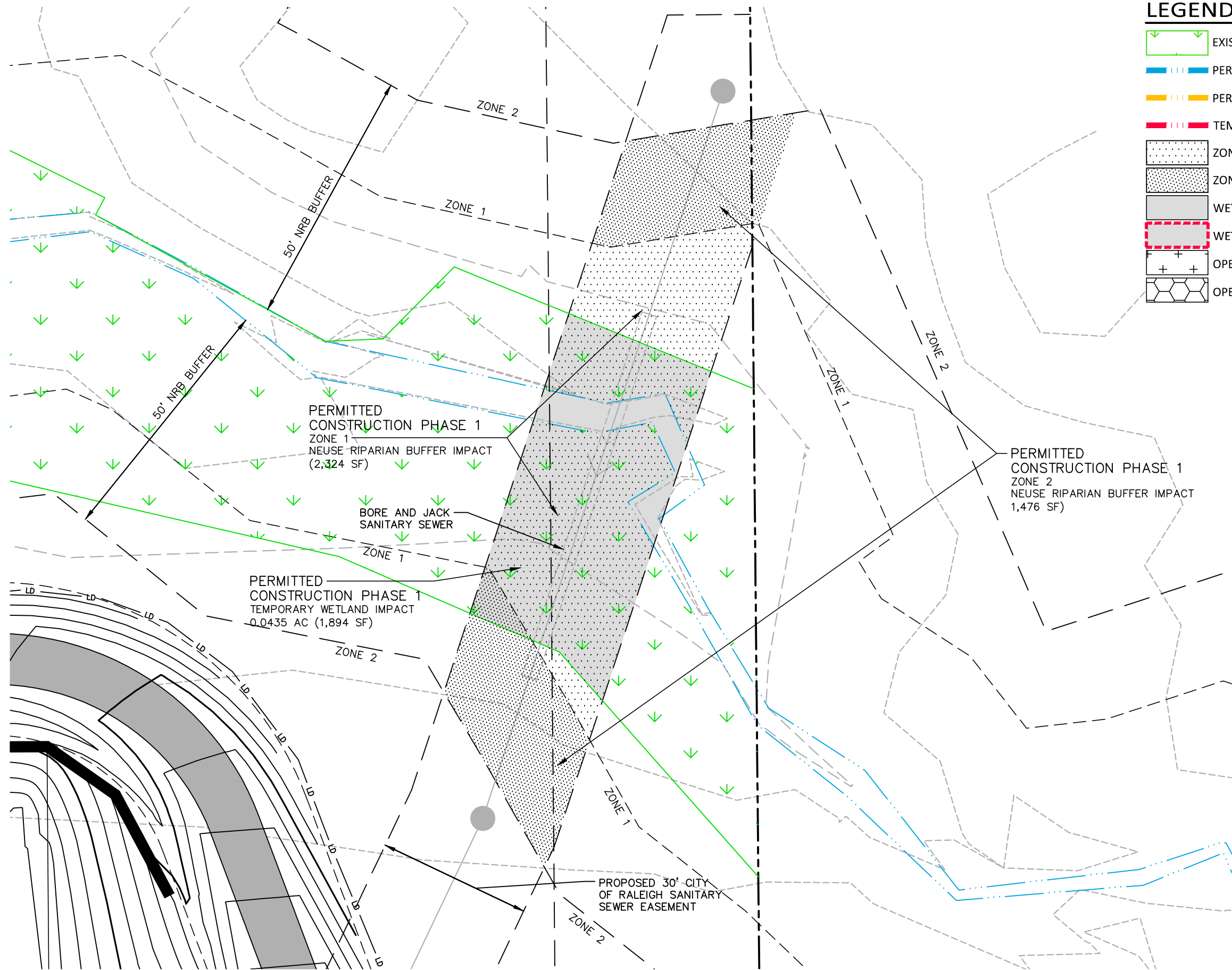
## THE POINT PHASES 1-10 AND 14 IMPACT EXHIBIT - IMPACT AREA 4 TOWN OF ROLESVILLE, NORTH CAROLINA

**PLAN INFORMATION**  
 PROJECT NO. AWH-18010  
 FILENAME AWH20000-CD-IMI  
 CHECKED BY JB  
 DRAWN BY SRW  
 SCALE 1"=20'  
 DATE 01.19.2023

The John R. McAdams Company, Inc.  
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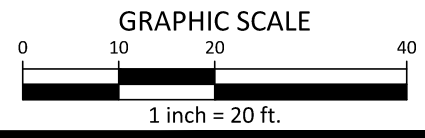
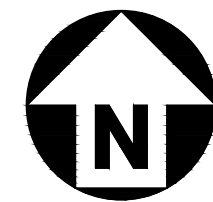
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**LEGEND:**

- EXISTING WETLAND
- PERMANENT STREAM IMPACT (CULVERT)
- PERMANENT STREAM IMPACT (RIP RAP)
- TEMPORARY STREAM IMPACT
- ZONE 1 NEUSE RIPARIAN BUFFER IMPACT
- ZONE 2 NEUSE RIPARIAN BUFFER IMPACT
- WETLAND IMPACT (TEMPORARY)
- WETLAND IMPACT (PERMANENT)
- OPEN WATER IMPACT (TEMPORARY)
- OPEN WATER IMPACT (PERMANENT)

**IMPACT AREA 5**



**PLAN INFORMATION**  
 PROJECT NO. AWH-18010  
 FILENAME AWH20000-CD-IMI  
 CHECKED BY JB  
 DRAWN BY SRW  
 SCALE 1"=20'  
 DATE 01.19.2023

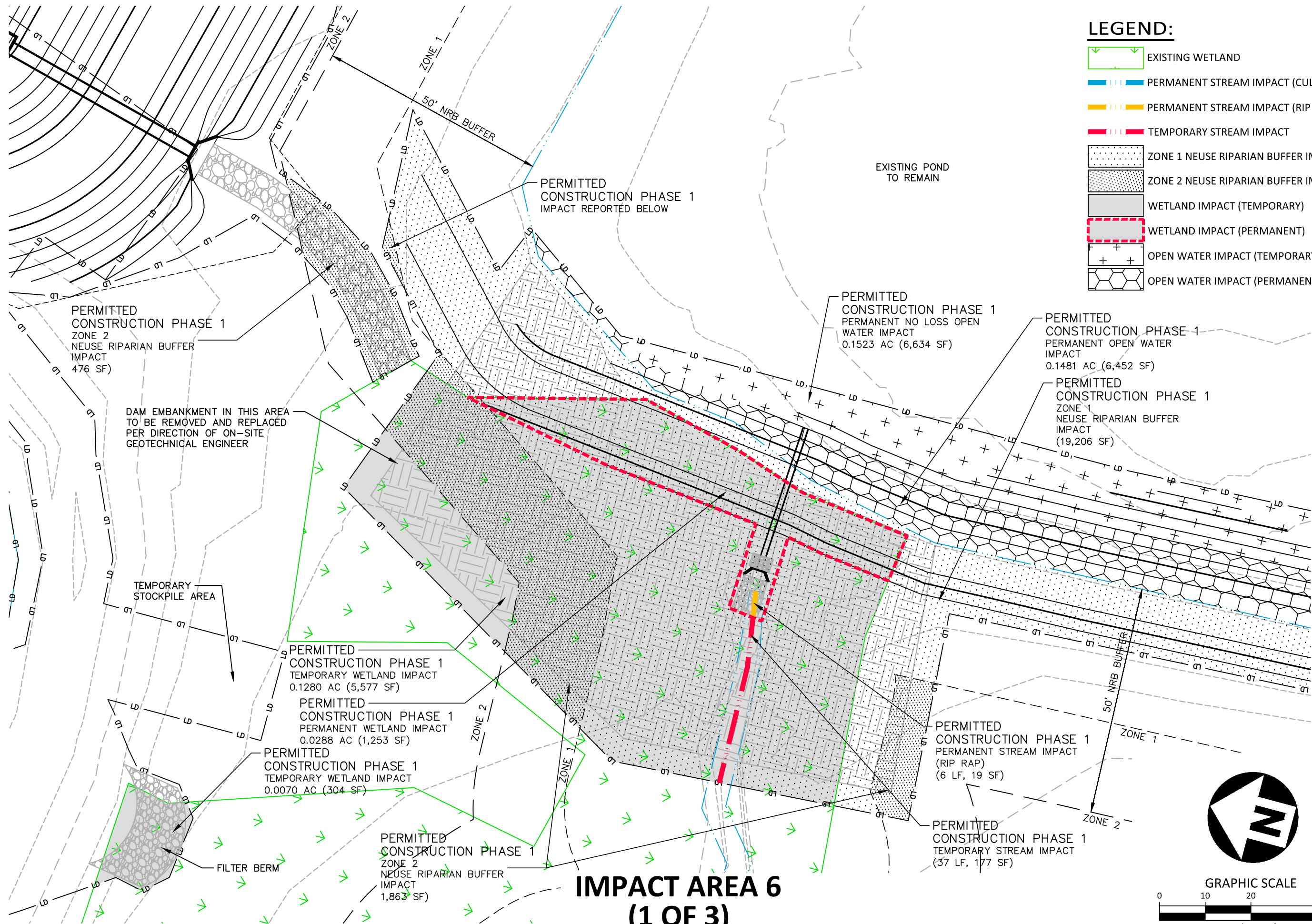
**THE POINT**  
 PHASES 1-10 AND 14  
 IMPACT EXHIBIT - IMPACT AREA 5  
 TOWN OF ROLESVILLE, NORTH CAROLINA

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**LEGEND:**

- EXISTING WETLAND
- PERMANENT STREAM IMPACT (CULVERT)
- PERMANENT STREAM IMPACT (RIP RAP)
- TEMPORARY STREAM IMPACT
- ZONE 1 NEUSE RIPARIAN BUFFER IMPACT
- ZONE 2 NEUSE RIPARIAN BUFFER IMPACT
- WETLAND IMPACT (TEMPORARY)
- WETLAND IMPACT (PERMANENT)
- + OPEN WATER IMPACT (TEMPORARY)
- + OPEN WATER IMPACT (PERMANENT)

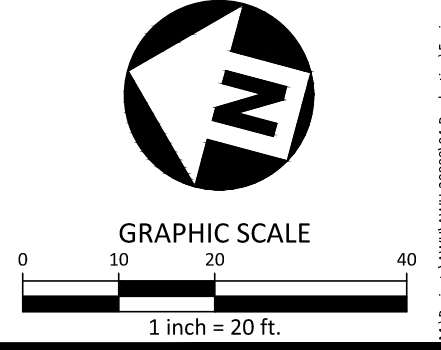
**PLAN INFORMATION**  
 PROJECT NO. AWH-18010  
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 CHECKED BY JB  
 DRAWN BY SRW  
 SCALE 1"=20'  
 DATE 01.19.2023

**THE POINT**  
 PHASES 1-10 AND 14  
 IMPACT EXHIBIT - IMPACT AREA 6  
 TOWN OF ROLESVILLE, NORTH CAROLINA

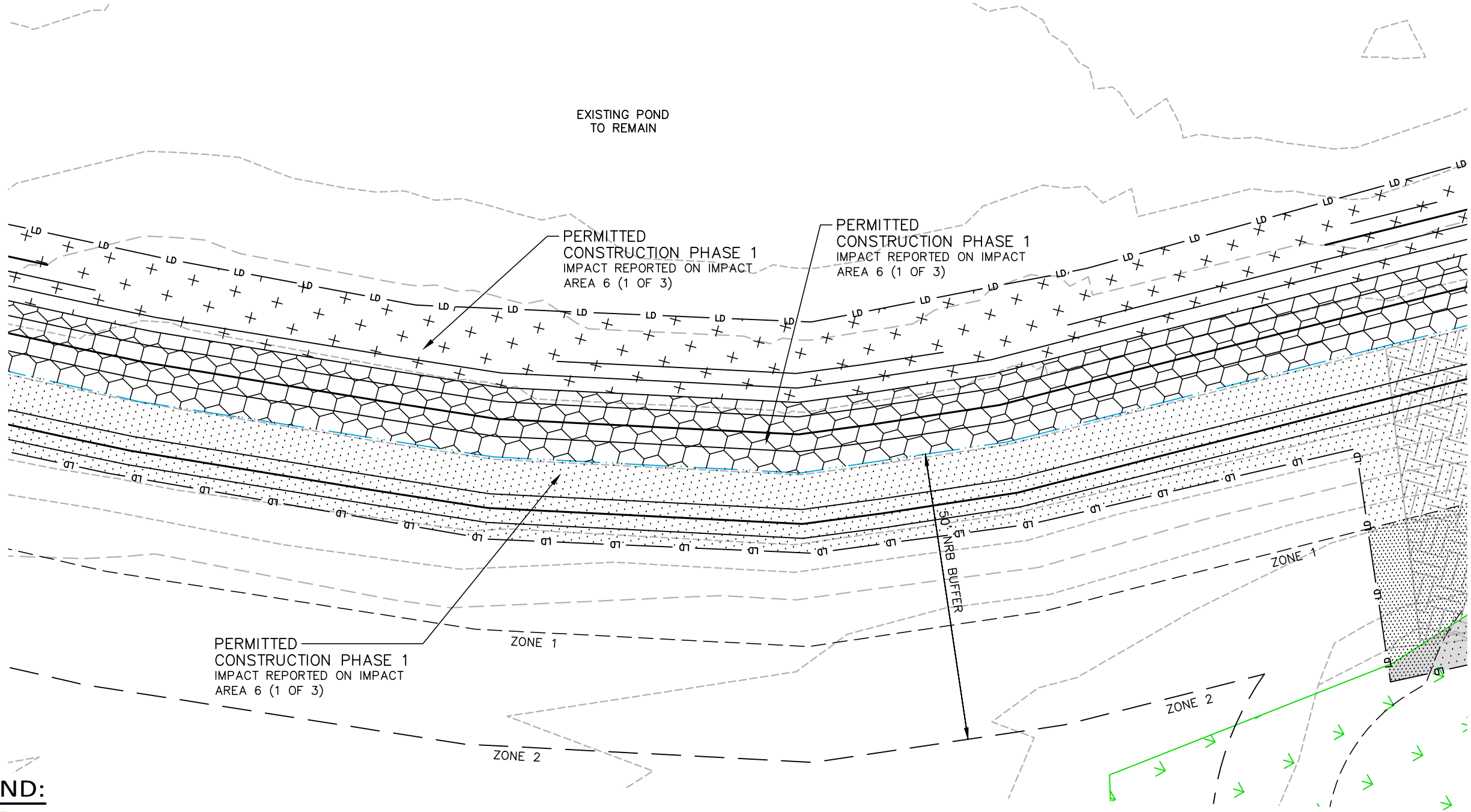
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 phone 919.361.5000  
 fax 919.361.2269  
 license number: C-0293, C-187  
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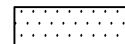


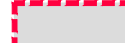
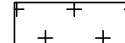

**IMPACT AREA 6  
 (1 OF 3)**



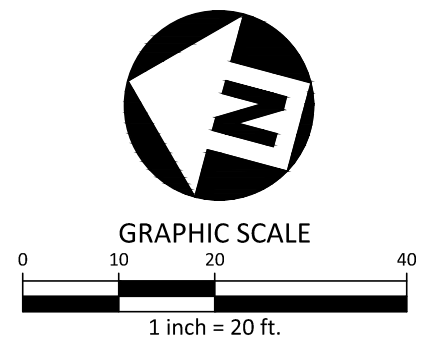
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**LEGEND:**

-  EXISTING WETLAND
-  PERMANENT STREAM IMPACT (CULVERT)
-  PERMANENT STREAM IMPACT (RIP RAP)
-  TEMPORARY STREAM IMPACT
-  ZONE 1 NEUSE RIPARIAN BUFFER IMPACT
-  ZONE 2 NEUSE RIPARIAN BUFFER IMPACT
-  WETLAND IMPACT (TEMPORARY)
-  WETLAND IMPACT (PERMANENT)
-  OPEN WATER IMPACT (TEMPORARY)
-  OPEN WATER IMPACT (PERMANENT)

**IMPACT AREA 6  
(2 OF 3)**



**PLAN INFORMATION**  
 PROJECT NO. AWH-18010  
 FILENAME AWH20000-CD-IMI  
 CHECKED BY JB  
 DRAWN BY SRW  
 SCALE 1"=20'  
 DATE 01.19.2023





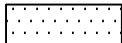



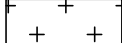
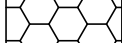
**THE POINT**  
 PHASES 1-10 AND 14  
 IMPACT EXHIBIT - IMPACT AREA 6  
 TOWN OF ROLESVILLE, NORTH CAROLINA

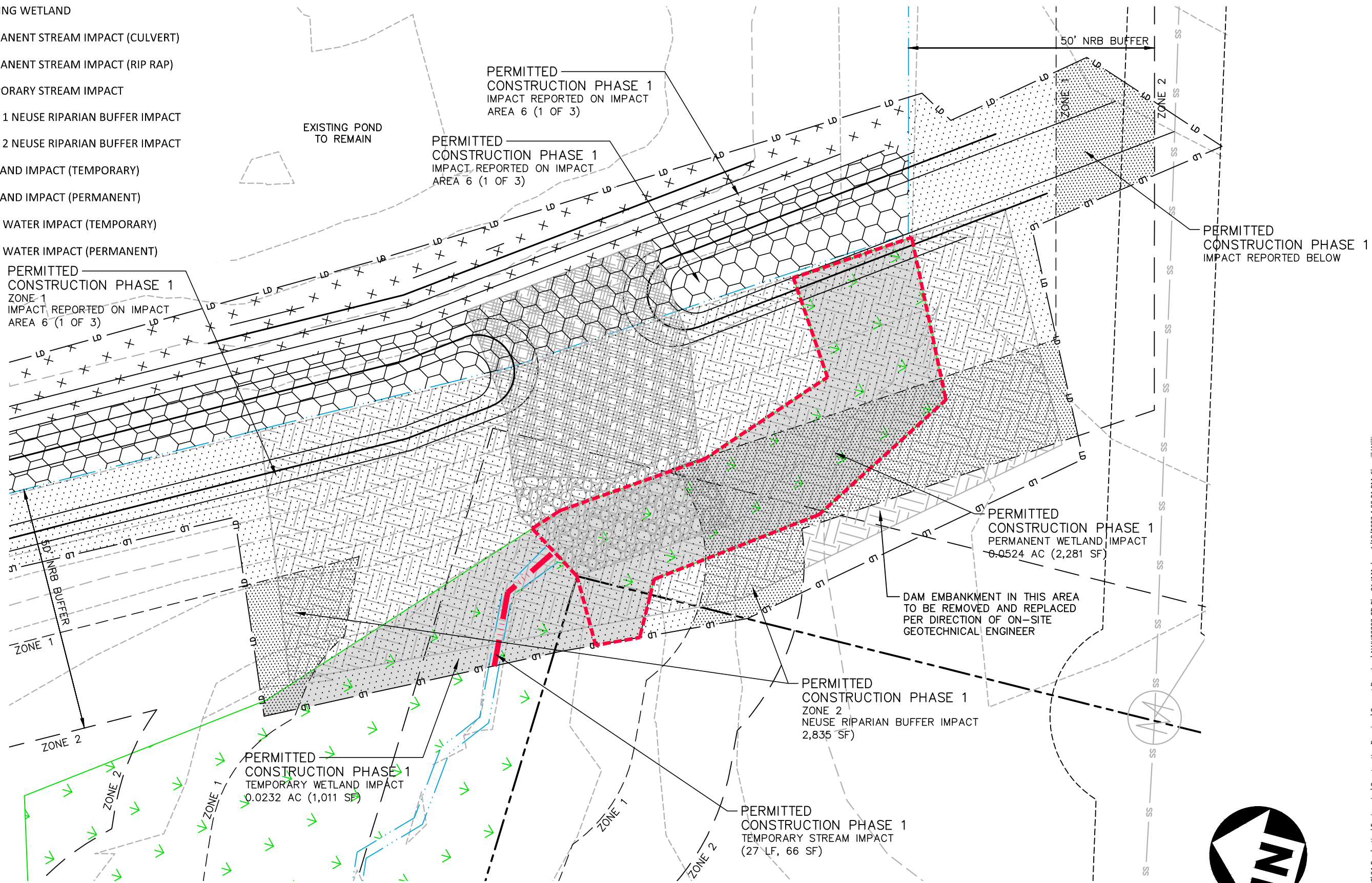
The John R. McAdams Company, Inc.  
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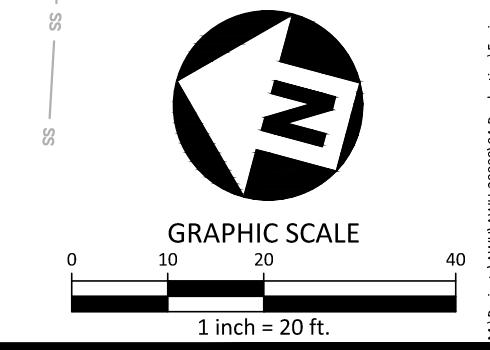
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**LEGEND:**

-  EXISTING WETLAND
-  PERMANENT STREAM IMPACT (CULVERT)
-  PERMANENT STREAM IMPACT (RIP RAP)
-  TEMPORARY STREAM IMPACT
-  ZONE 1 NEUSE RIPARIAN BUFFER IMPACT
-  ZONE 2 NEUSE RIPARIAN BUFFER IMPACT
-  WETLAND IMPACT (TEMPORARY)
-  WETLAND IMPACT (PERMANENT)
-  OPEN WATER IMPACT (TEMPORARY)
-  OPEN WATER IMPACT (PERMANENT)



**IMPACT AREA 6  
(3 OF 3)**



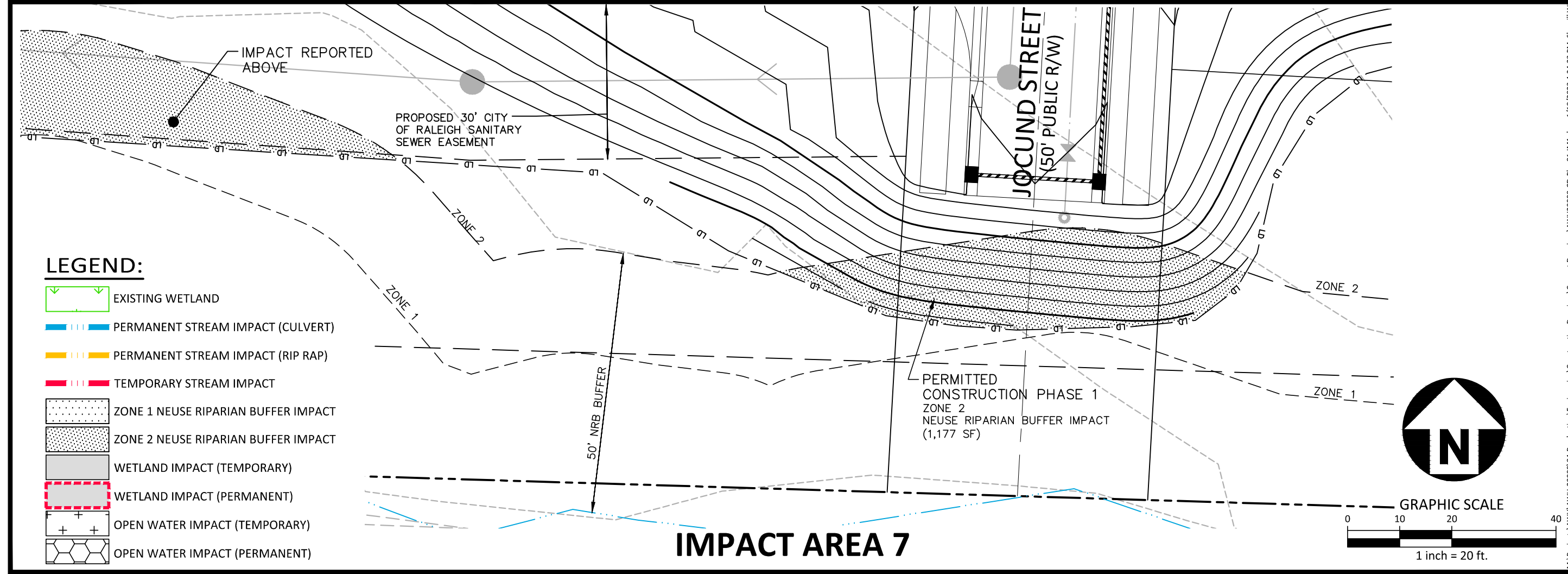
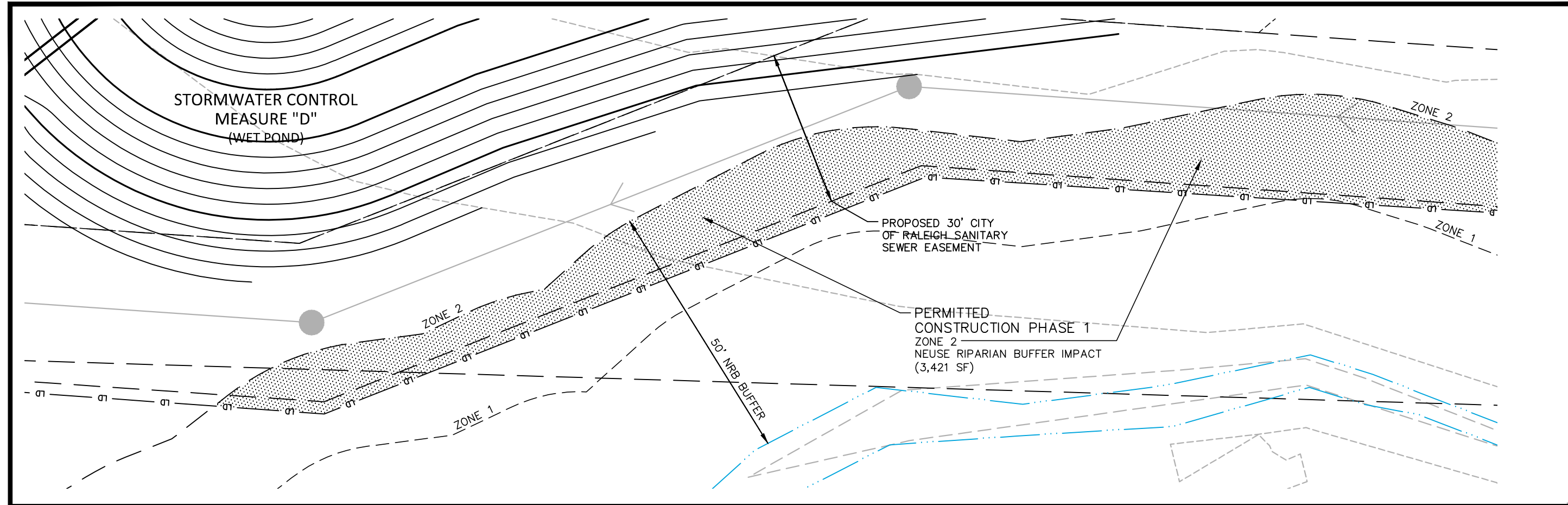
**PLAN INFORMATION**  
 PROJECT NO. AWH-18010  
 FILENAME AWH20000-CD-IMI  
 CHECKED BY JB  
 DRAWN BY SRW  
 SCALE 1"=20'  
 DATE 01.19.2023

**THE POINT**  
 PHASES 1-10 AND 14  
 IMPACT EXHIBIT - IMPACT AREA 6  
 TOWN OF ROLESVILLE, NORTH CAROLINA

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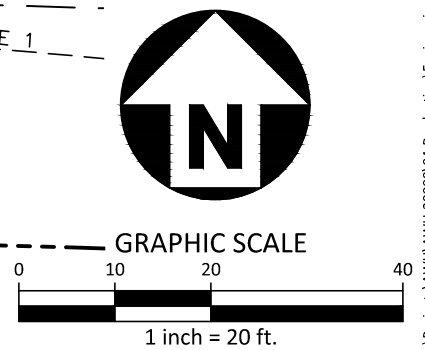


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- LEGEND:**
- EXISTING WETLAND
  - PERMANENT STREAM IMPACT (CULVERT)
  - PERMANENT STREAM IMPACT (RIP RAP)
  - TEMPORARY STREAM IMPACT
  - ZONE 1 NEUSE RIPARIAN BUFFER IMPACT
  - ZONE 2 NEUSE RIPARIAN BUFFER IMPACT
  - WETLAND IMPACT (TEMPORARY)
  - WETLAND IMPACT (PERMANENT)
  - WETLAND IMPACT (PERMANENT)
  - OPEN WATER IMPACT (TEMPORARY)
  - OPEN WATER IMPACT (PERMANENT)

**IMPACT AREA 7**



**PLAN INFORMATION**

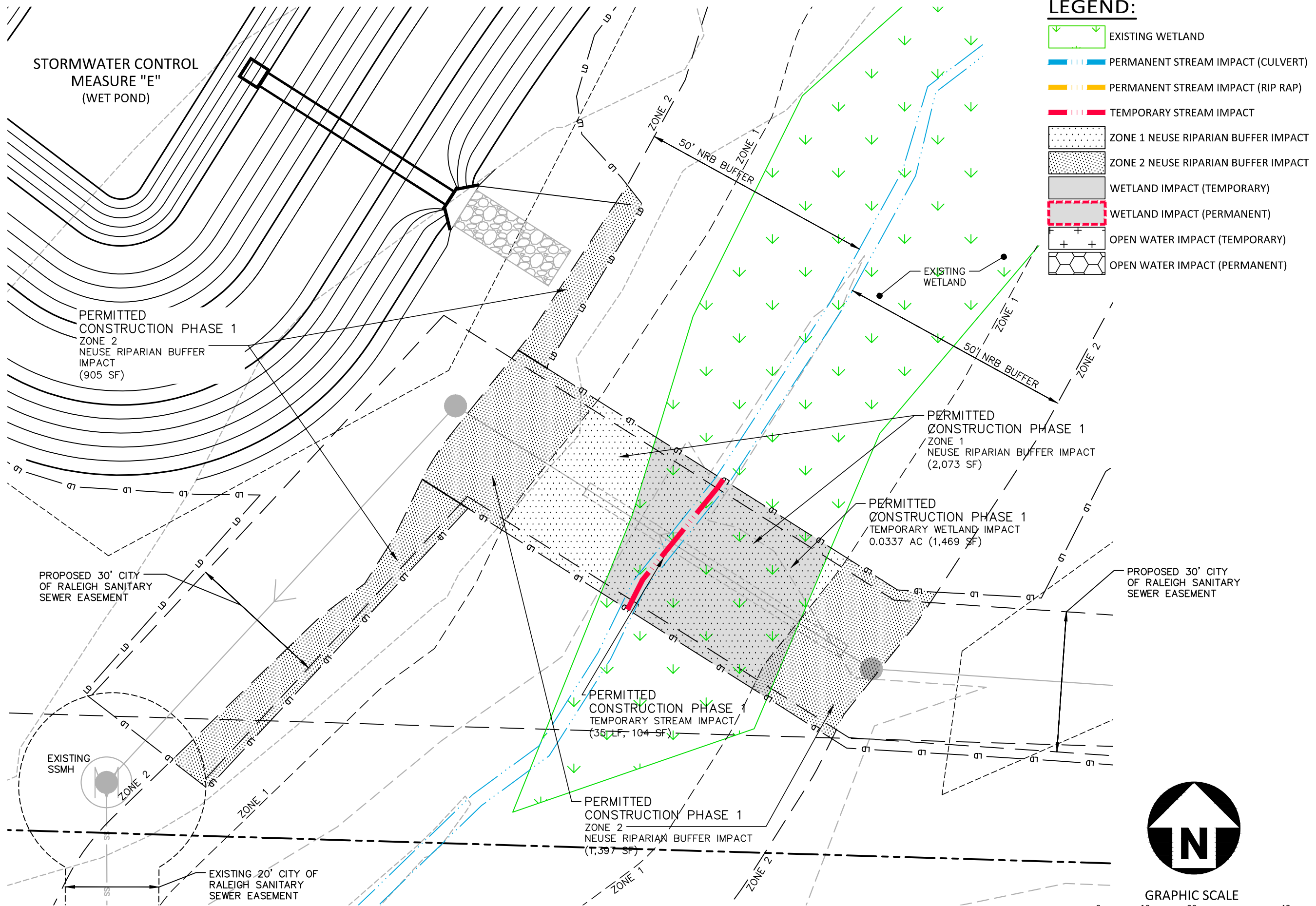
PROJECT NO. AWH-18010  
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 CHECKED BY JB  
 DRAWN BY SRW  
 SCALE 1"=20'  
 DATE 01.19.2023

**THE POINT**  
 PHASES 1-10 AND 14  
 IMPACT EXHIBIT - IMPACT AREA 7  
 TOWN OF ROLESVILLE, NORTH CAROLINA

The John R. McAdams Company, Inc.  
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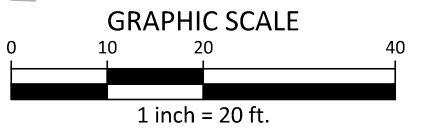
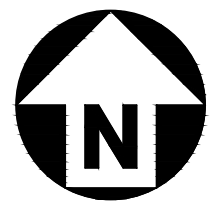
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**LEGEND:**

	EXISTING WETLAND
	PERMANENT STREAM IMPACT (CULVERT)
	PERMANENT STREAM IMPACT (RIP RAP)
	TEMPORARY STREAM IMPACT
	ZONE 1 NEUSE RIPARIAN BUFFER IMPACT
	ZONE 2 NEUSE RIPARIAN BUFFER IMPACT
	WETLAND IMPACT (TEMPORARY)
	WETLAND IMPACT (PERMANENT)
	OPEN WATER IMPACT (TEMPORARY)
	OPEN WATER IMPACT (PERMANENT)

**IMPACT AREA 8**



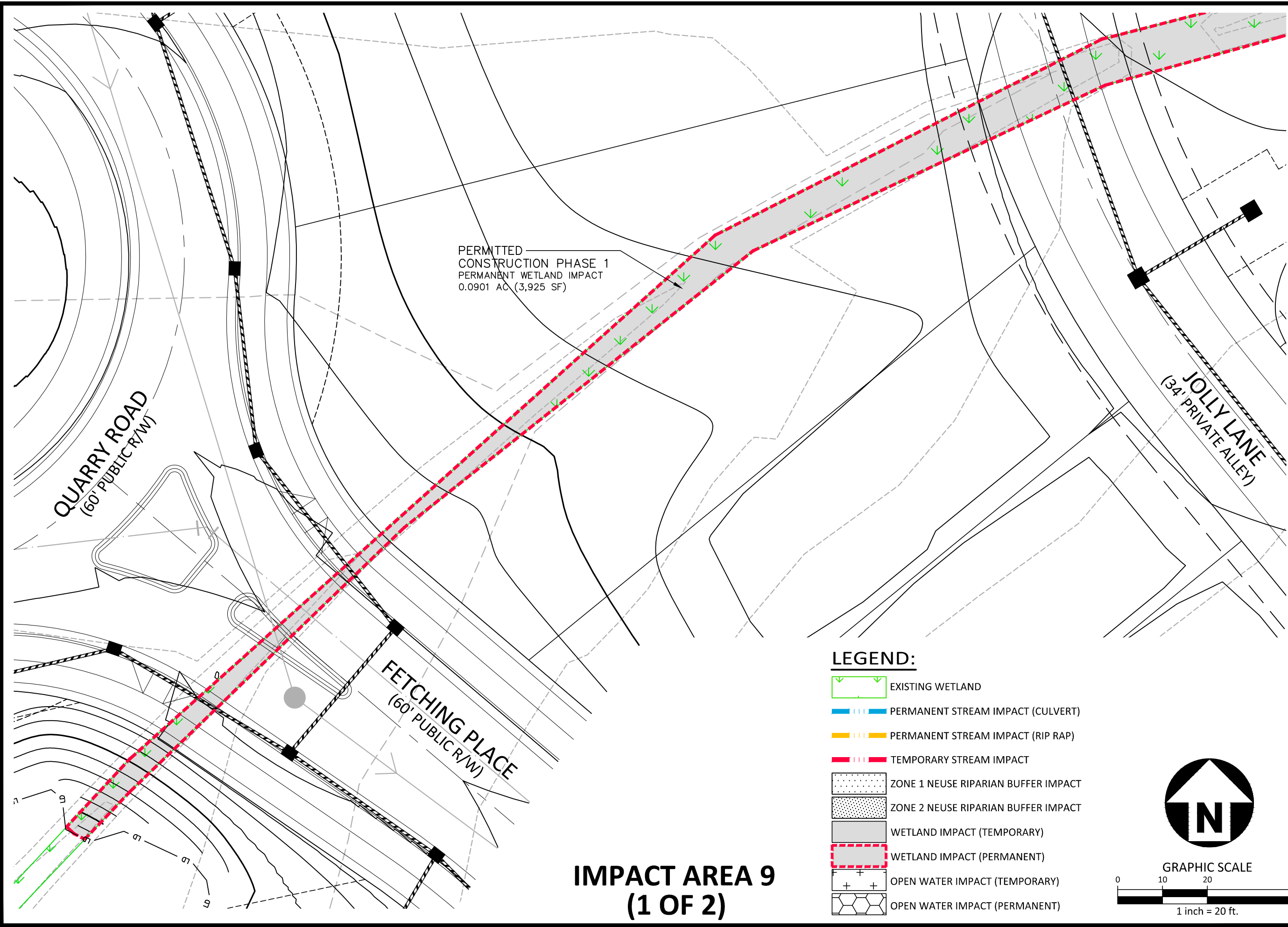
**PLAN INFORMATION**  
 PROJECT NO. AWH-18010  
 FILENAME AWH20000-CD-IMI  
 CHECKED BY JB  
 DRAWN BY SRW  
 SCALE 1"=20'  
 DATE 01.19.2023

**THE POINT**  
 PHASES 1-10 AND 14  
 IMPACT EXHIBIT - IMPACT AREA 8  
 TOWN OF ROLESVILLE, NORTH CAROLINA

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PERMITTED  
CONSTRUCTION PHASE 1  
PERMANENT WETLAND IMPACT  
0.0901 AC (3,925 SF)

QUARRY ROAD  
(60' PUBLIC R/W)

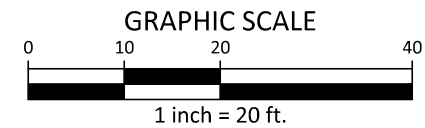
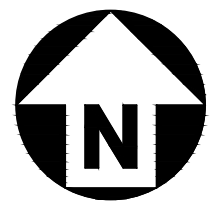
FETCHING PLACE  
(60' PUBLIC R/W)

JOLLY LANE  
(34' PRIVATE ALLEY)

# IMPACT AREA 9 (1 OF 2)

## LEGEND:

- EXISTING WETLAND
- PERMANENT STREAM IMPACT (CULVERT)
- PERMANENT STREAM IMPACT (RIP RAP)
- TEMPORARY STREAM IMPACT
- ZONE 1 NEUSE RIPARIAN BUFFER IMPACT
- ZONE 2 NEUSE RIPARIAN BUFFER IMPACT
- WETLAND IMPACT (TEMPORARY)
- WETLAND IMPACT (PERMANENT)
- OPEN WATER IMPACT (TEMPORARY)
- OPEN WATER IMPACT (PERMANENT)



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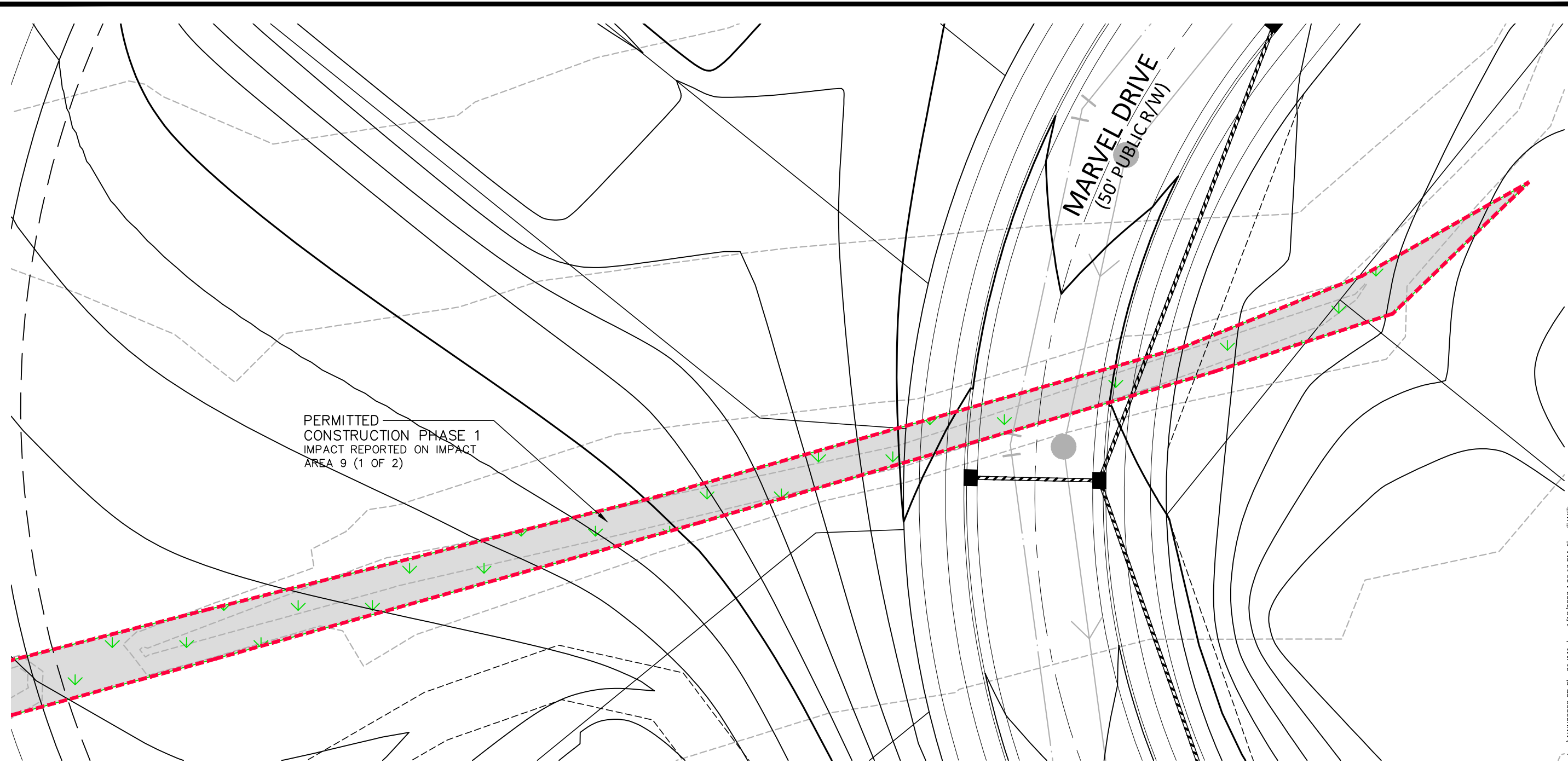
**PLAN INFORMATION**  
 PROJECT NO. AWH-18010  
 FILENAME AWH20000-CD-IMI  
 CHECKED BY JB  
 DRAWN BY SRW  
 SCALE 1"=20'  
 DATE 01.19.2023

# THE POINT

PHASES 1-10 AND 14  
 IMPACT EXHIBIT - IMPACT AREA 9  
 TOWN OF ROLESVILLE, NORTH CAROLINA

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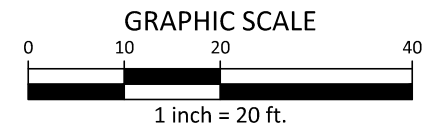
PERMITTED  
CONSTRUCTION PHASE 1  
IMPACT REPORTED ON IMPACT  
AREA 9 (1 OF 2)

MARVEL DRIVE  
(50' PUBLIC R/W)

## IMPACT AREA 9 (2 OF 2)

### LEGEND:

- EXISTING WETLAND
- PERMANENT STREAM IMPACT (CULVERT)
- PERMANENT STREAM IMPACT (RIP RAP)
- TEMPORARY STREAM IMPACT
- ZONE 1 NEUSE RIPARIAN BUFFER IMPACT
- ZONE 2 NEUSE RIPARIAN BUFFER IMPACT
- WETLAND IMPACT (TEMPORARY)
- WETLAND IMPACT (PERMANENT)
- OPEN WATER IMPACT (TEMPORARY)
- OPEN WATER IMPACT (PERMANENT)



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**PLAN INFORMATION**

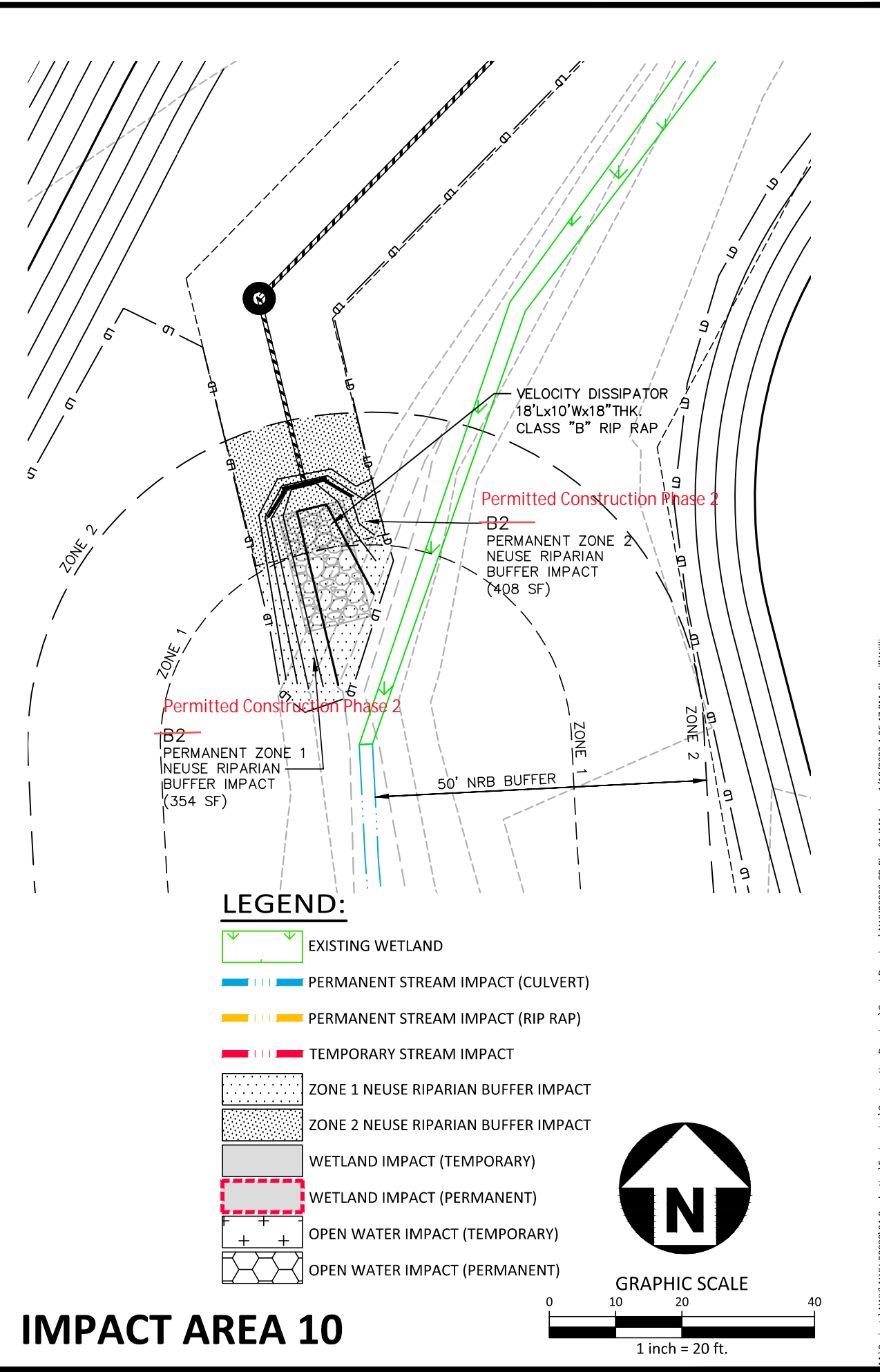
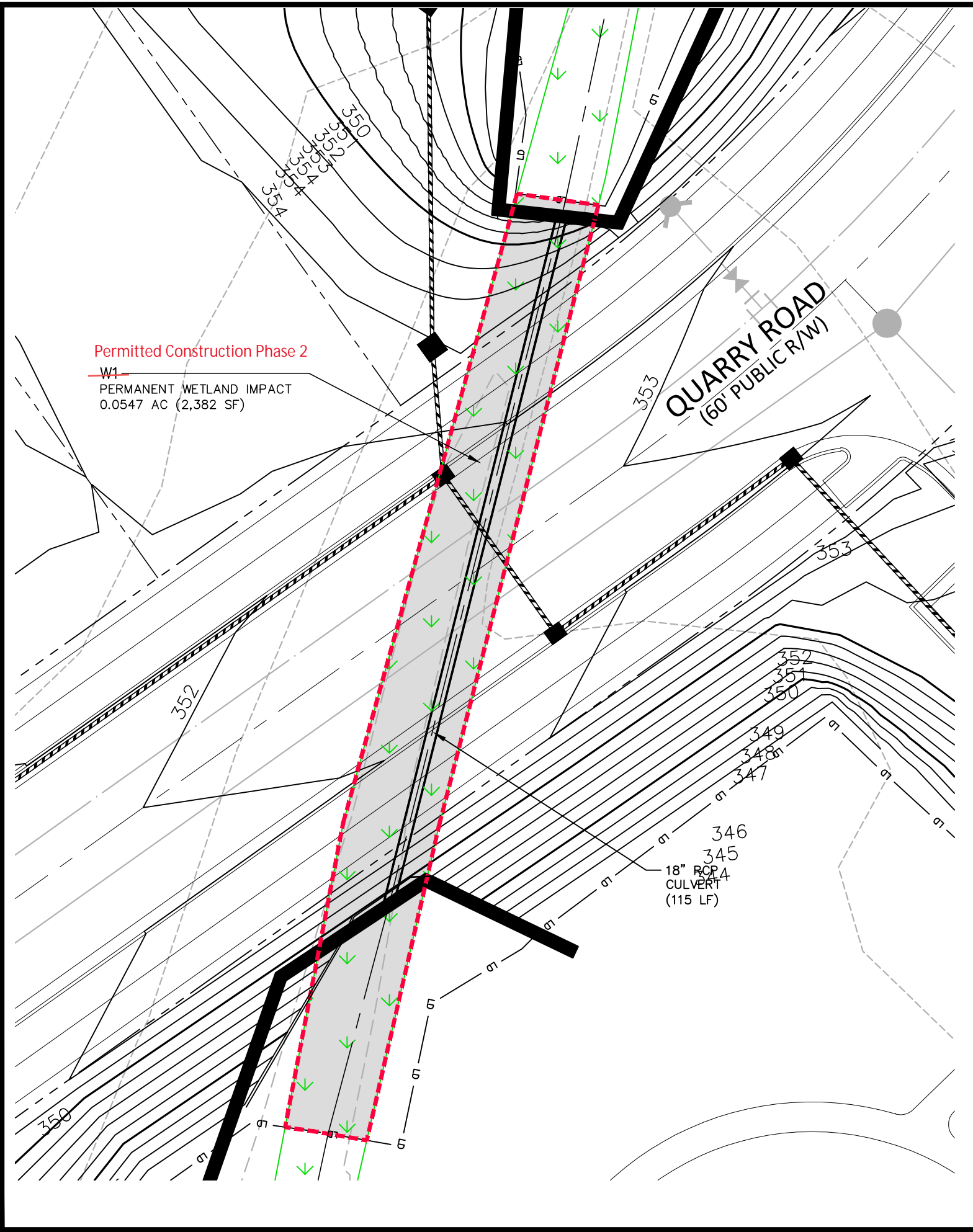
PROJECT NO.	AWH-18010
FILENAME	AWH20000-CD-IMI
CHECKED BY	JB
DRAWN BY	SRW
SCALE	1"=20'
DATE	01.19.2023

# THE POINT

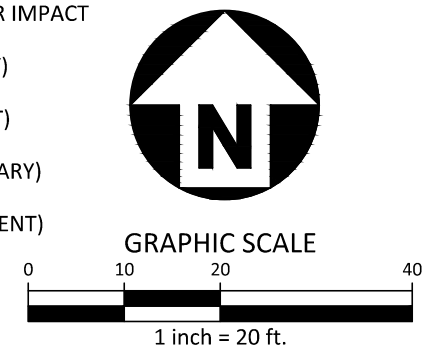
PHASES 1-10 AND 14  
IMPACT EXHIBIT - IMPACT AREA 9  
TOWN OF ROLESVILLE, NORTH CAROLINA

The John R. McAdams Company, Inc.  
2905 Meridian Parkway  
Durham, NC 27713  
phone 919.361.5000  
fax 919.361.2269  
license number: C-0293, C-187  
www.mcadamsco.com





**IMPACT AREA 10**



**PLAN INFORMATION**  
 PROJECT NO. AWH-18010  
 FILENAME AWH20000-CD-IM1  
 CHECKED BY JB  
 DRAWN BY SRW  
 SCALE 1"=20'  
 DATE 01.19.2023

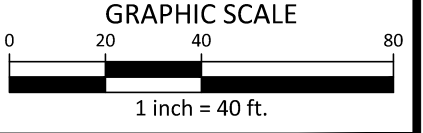
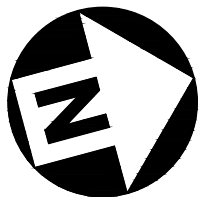
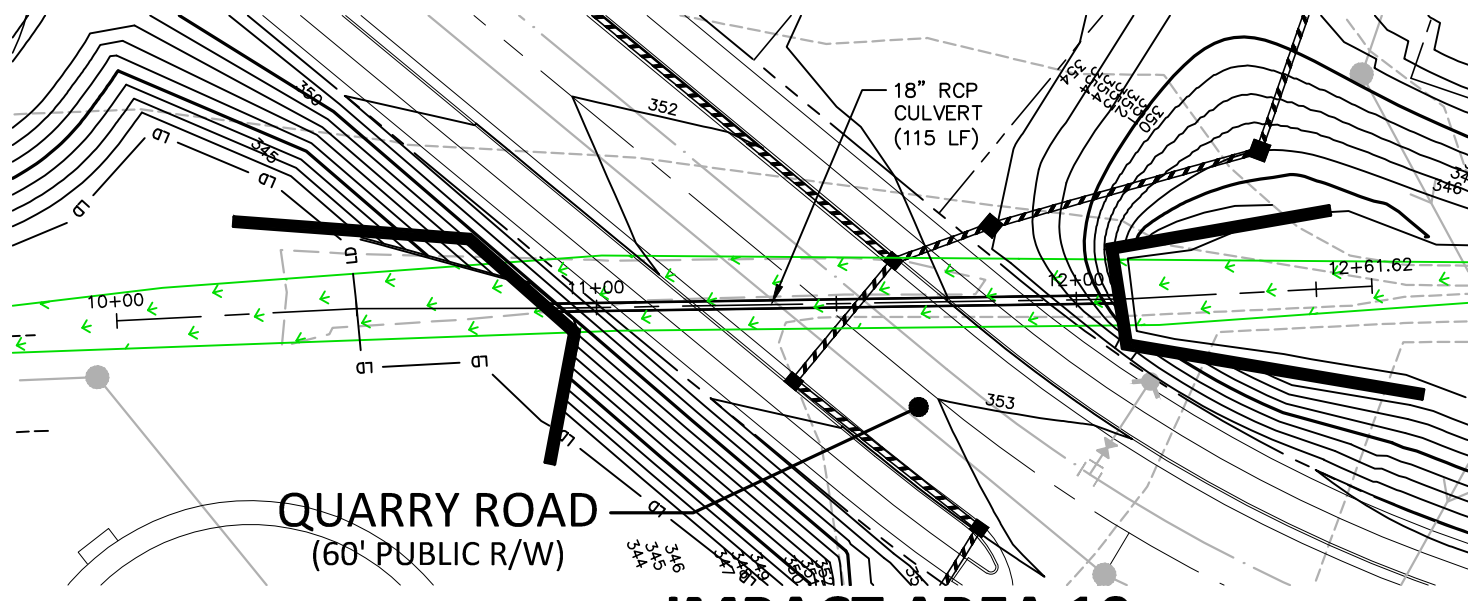
**THE POINT**  
 PHASES 1-10 AND 14  
 IMPACT EXHIBIT - IMPACT AREA 10  
 TOWN OF ROLESVILLE, NORTH CAROLINA

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 Durham, NC 27713  
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 fax 919.361.2269  
 license number: C-0293, C-187  
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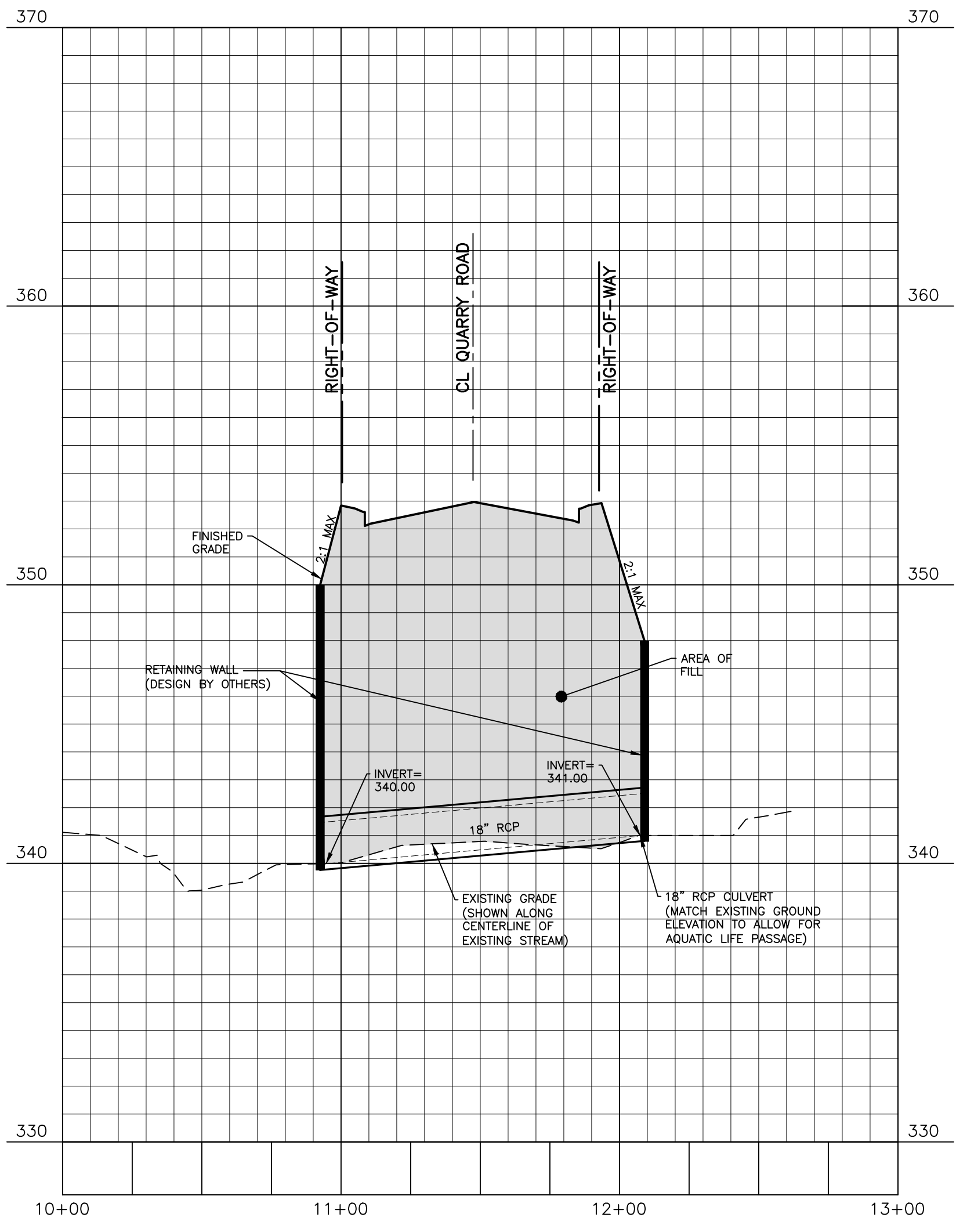


I:\Projects\AWH\AWH-20000\04-Production\Engineering\Construction Drawings\AWH20000-CD-Plg-01-IM1.dwg, 1/18/2023 4:26:47 PM, Sherrill Williams






### IMPACT AREA 10



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## THE POINT

### PHASES 1-10 AND 14

#### IMPACT EXHIBIT - CULVERT CROSS SECTION

TOWN OF ROLESVILLE, NORTH CAROLINA

PLAN INFORMATION	
PROJECT NO.	AWH-18010
FILENAME	AWH20000-CD-IM1
CHECKED BY	JB
DRAWN BY	SRW
SCALE	1"=40'/1"=4'
DATE	01. 19. 2023

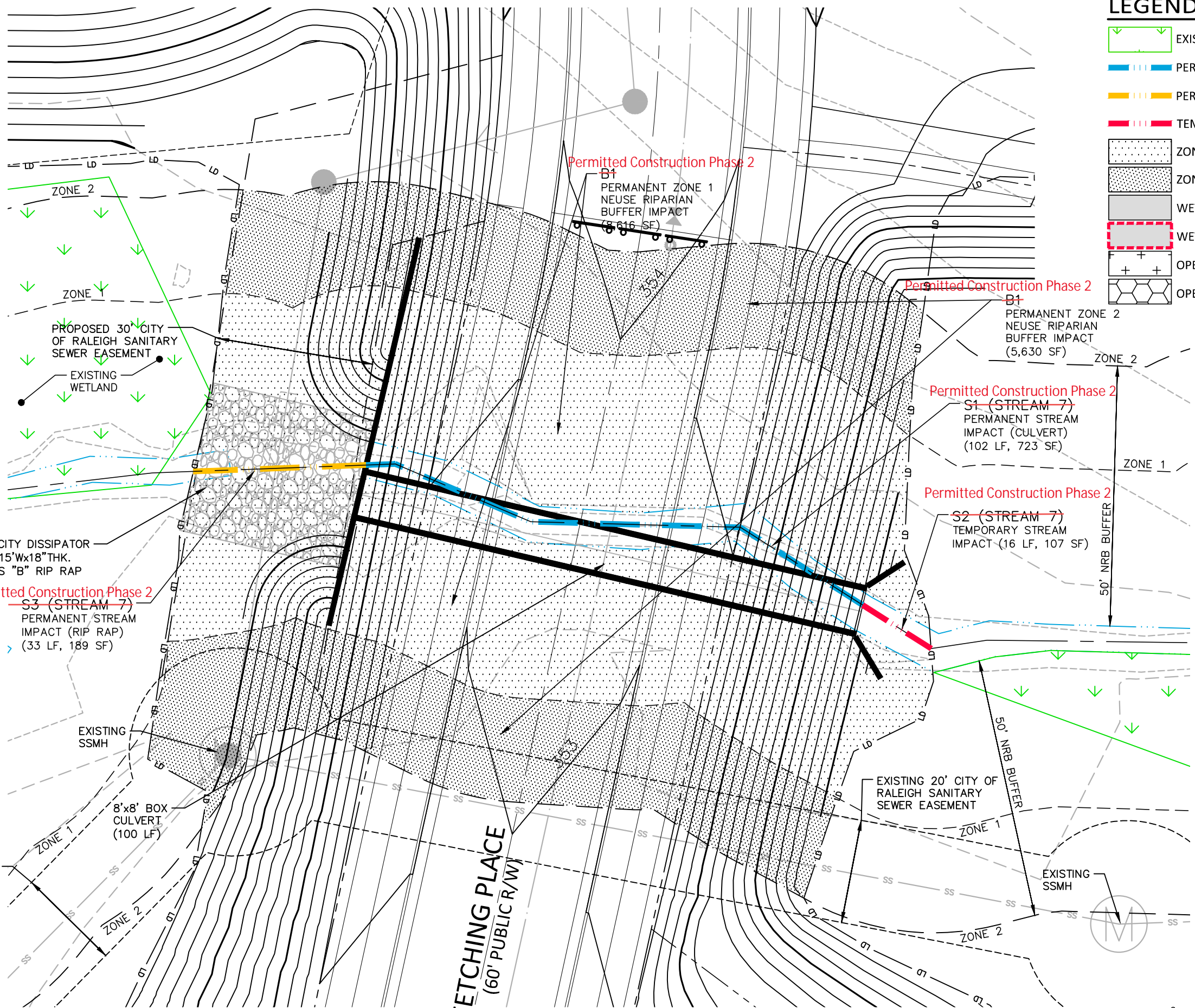
**LEGEND:**

- EXISTING WETLAND
- PERMANENT STREAM IMPACT (CULVERT)
- PERMANENT STREAM IMPACT (RIP RAP)
- TEMPORARY STREAM IMPACT
- ZONE 1 NEUSE RIPARIAN BUFFER IMPACT
- ZONE 2 NEUSE RIPARIAN BUFFER IMPACT
- WETLAND IMPACT (TEMPORARY)
- WETLAND IMPACT (PERMANENT)
- OPEN WATER IMPACT (TEMPORARY)
- OPEN WATER IMPACT (PERMANENT)

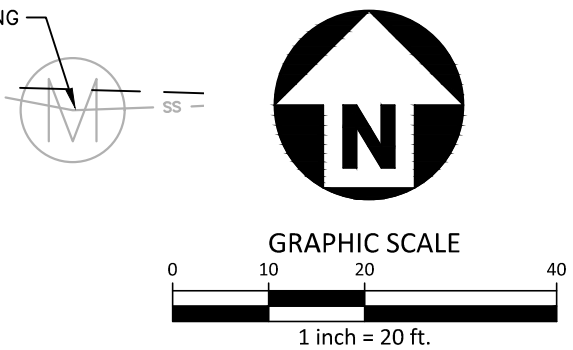
**PLAN INFORMATION**  
 PROJECT NO. AWH-18010  
 FILENAME AWH20000-CD-IM1  
 CHECKED BY JB  
 DRAWN BY SRW  
 SCALE 1"=20'  
 DATE 01.19.2023

**THE POINT**  
 PHASES 1-10 AND 14  
 IMPACT EXHIBIT - IMPACT AREA 11  
 TOWN OF ROLESVILLE, NORTH CAROLINA

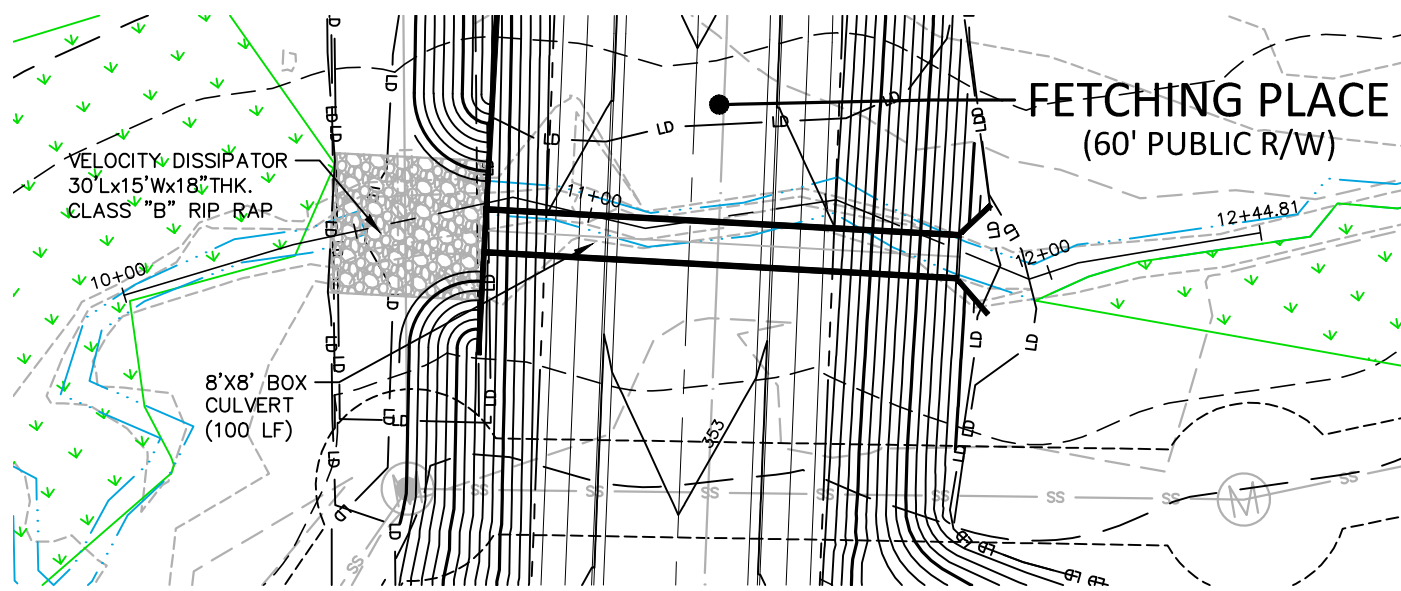
The John R. McAdams Company, Inc.  
 2905 Meridian Parkway  
 Durham, NC 27713  
 phone 919.361.5000  
 fax 919.361.2269  
 license number: C-0293, C-187  
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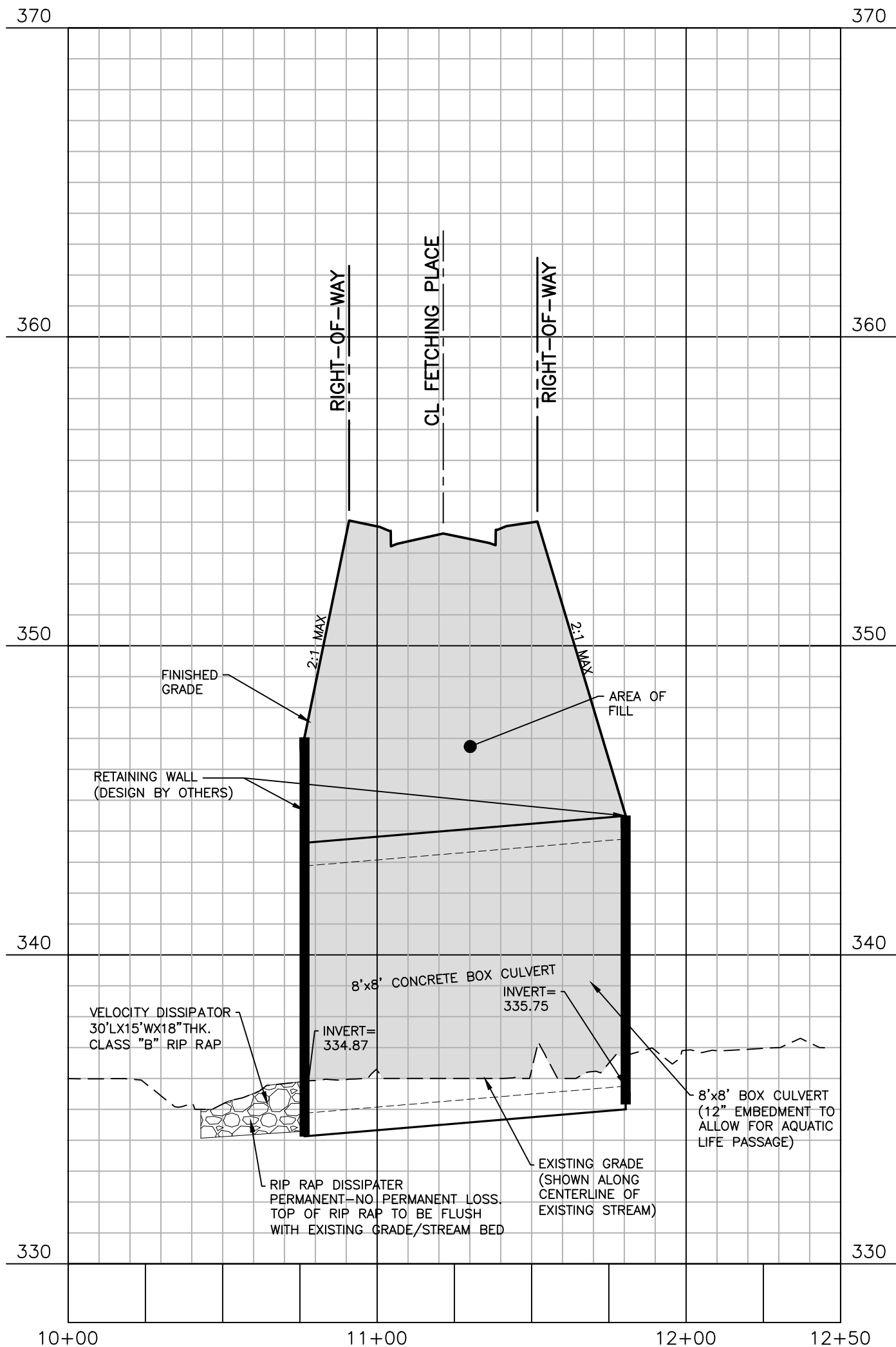
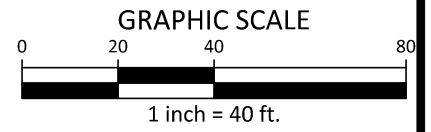
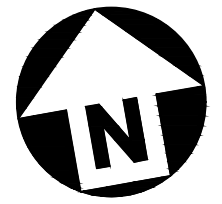
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# IMPACT AREA 11



X:\Projects\AWH\AWH-20000\04-Production\Engineering\Construction Drawings\Current Drawings\AWH20000-CD-Pkg-01-IM1.dwg, 9/18/2024 11:44:29 AM, Tommy Dabolt



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 fax 919. 361. 2269  
 license number: C-0293, C-187  
  
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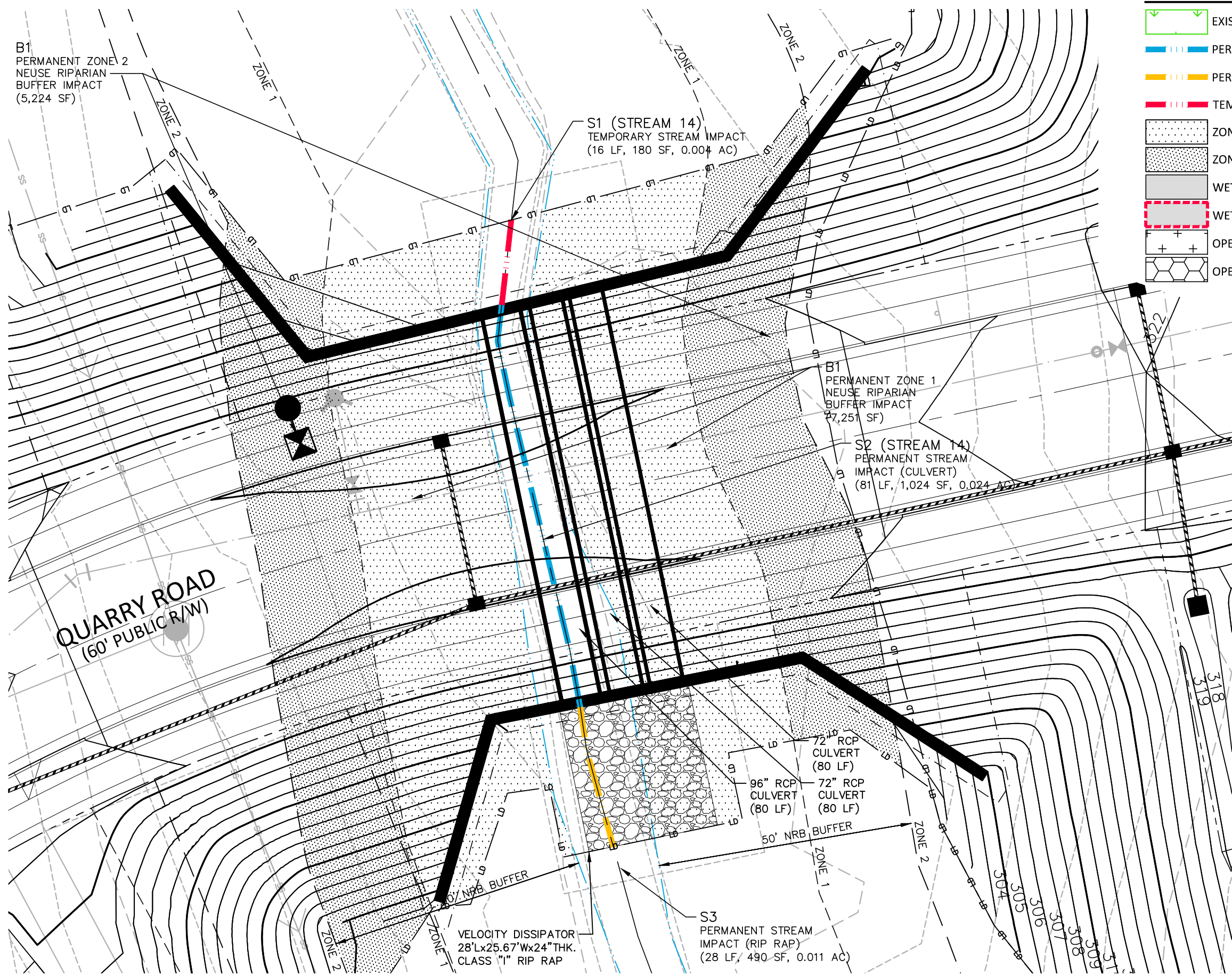
## THE POINT

### PHASES 1-10 AND 14

#### IMPACT EXHIBIT - CULVERT CROSS SECTION

TOWN OF ROLESVILLE, NORTH CAROLINA

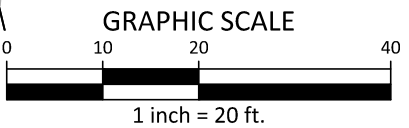
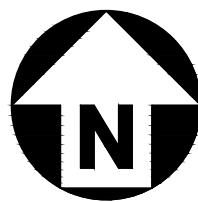
PLAN INFORMATION	
PROJECT NO.	AWH-18010
FILENAME	AWH20000-CD-IM1
CHECKED BY	JB
DRAWN BY	SRW
SCALE	1"=40'/1"=4'
DATE	01. 19. 2023



**LEGEND:**

- EXISTING WETLAND
- PERMANENT STREAM IMPACT (CULVERT)
- PERMANENT STREAM IMPACT (RIP RAP)
- TEMPORARY STREAM IMPACT
- ZONE 1 NEUSE RIPARIAN BUFFER IMPACT
- ZONE 2 NEUSE RIPARIAN BUFFER IMPACT
- WETLAND IMPACT (TEMPORARY)
- WETLAND IMPACT (PERMANENT)
- OPEN WATER IMPACT (TEMPORARY)
- OPEN WATER IMPACT (PERMANENT)

**IMPACT AREA 12**



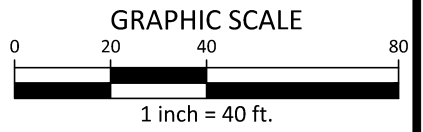
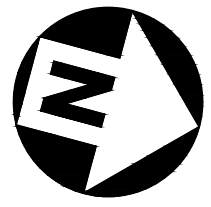
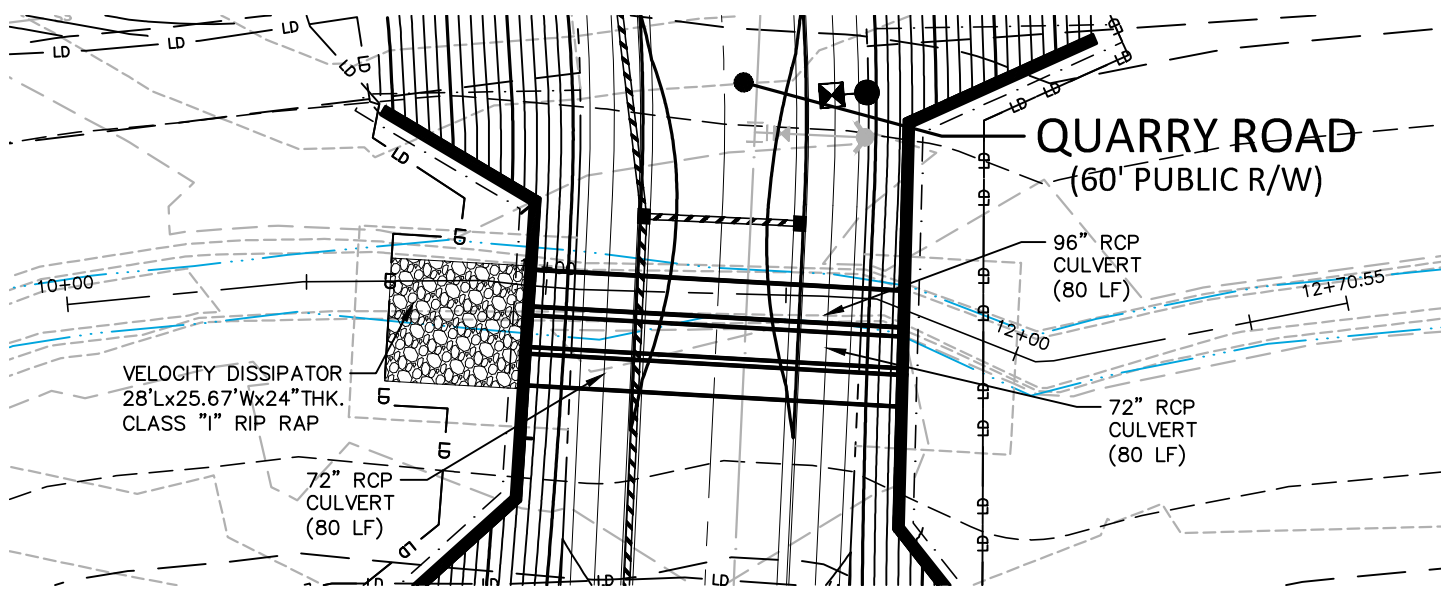
**PLAN INFORMATION**  
 PROJECT NO. AWH-18010  
 FILENAME AWH20000-CD-IM1  
 CHECKED BY JB TKD  
 DRAWN BY  
 SCALE 1"=20'  
 DATE 09.11.2024

**THE POINT**  
 PHASES 1-10 AND 14  
 IMPACT EXHIBIT - IMPACT AREA 12  
 TOWN OF ROLESVILLE, NORTH CAROLINA

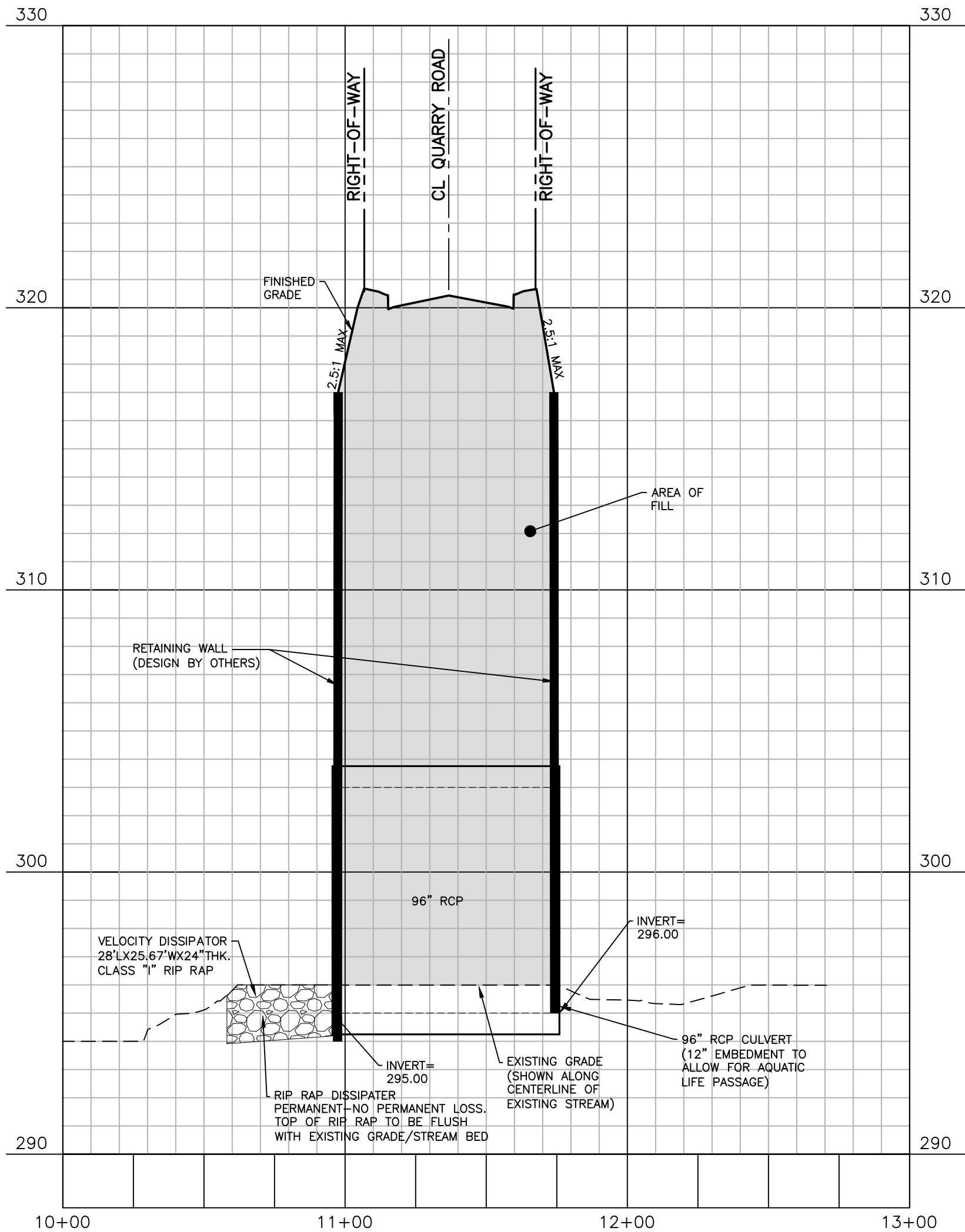
The John R. McAdams Company, Inc.  
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 Durham, NC 27713  
 phone 919.361.5000  
 fax 919.361.2269  
 license number: C-0293, C-187  
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X:\Projects\AWH\AWH-20000\04-Production\Engineering\Construction Drawings\Current Drawings\AWH20000-CD-Pkg-01-IM1.dwg, 9/11/2024 4:12:14 PM, Tommy Dabolt



## IMPACT AREA 12



X:\Projects\AWH\AWH-20000\04-Production\Engineering\Construction Drawings\Current Drawings\AWH20000-CD-Pkg-01-IM1.dwg, 9/25/2024 4:27:58 PM, Tommy Dabolt



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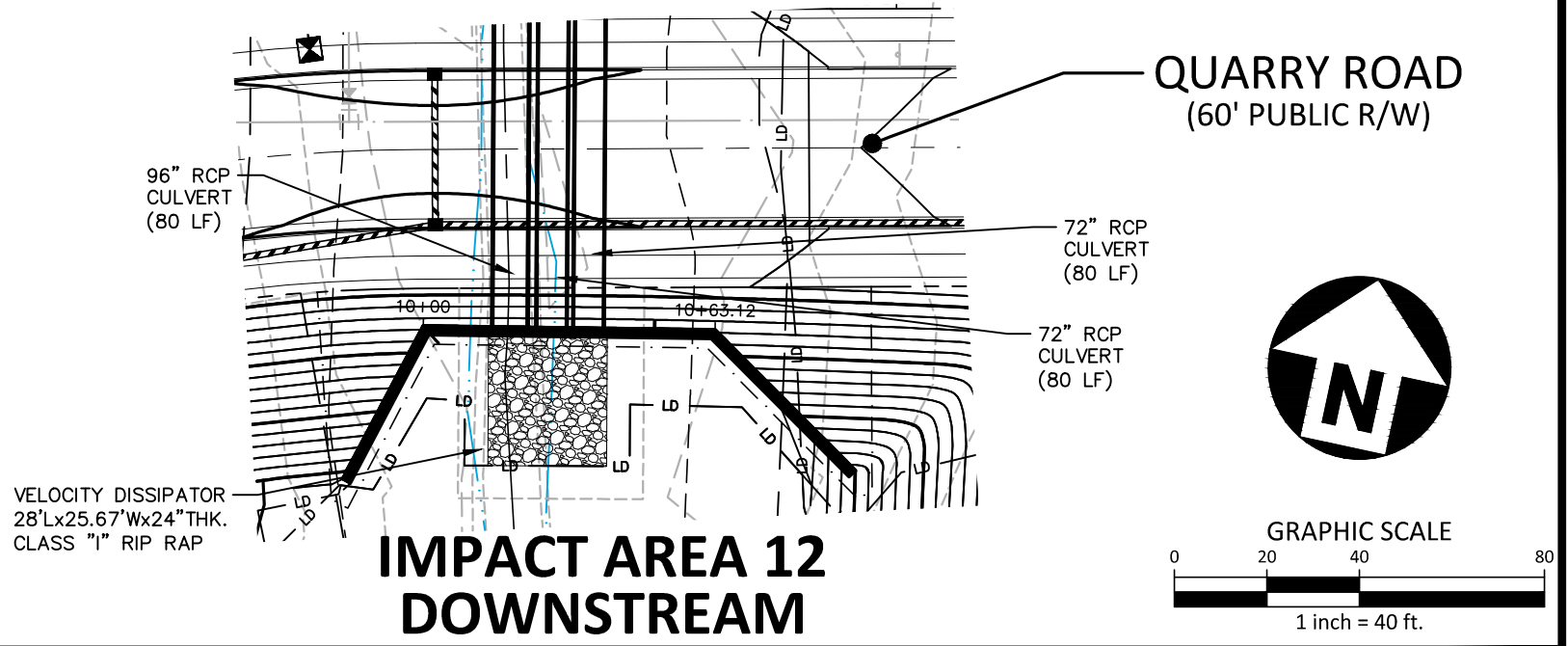
# THE POINT

## PHASES 1-10 AND 14

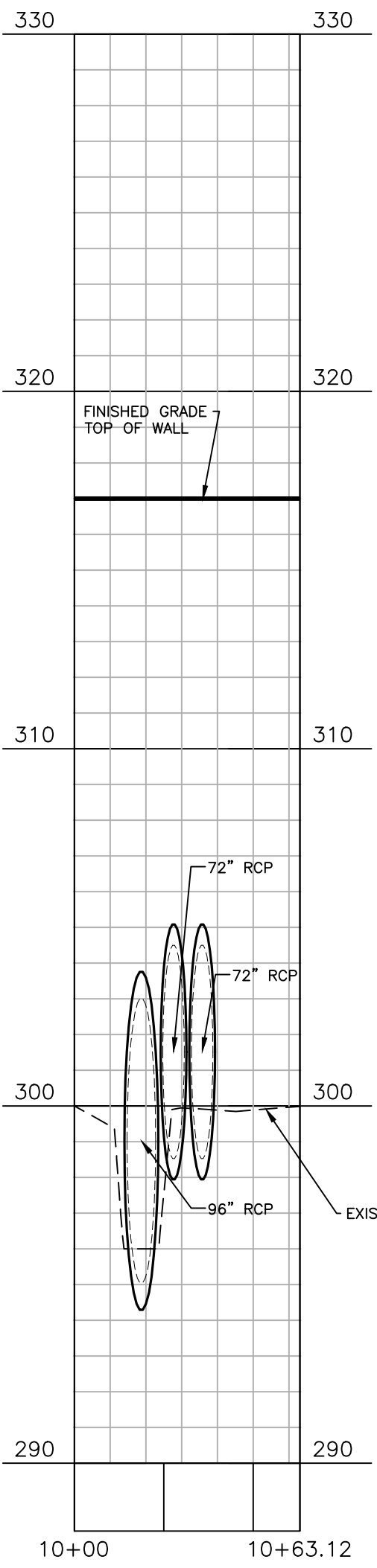
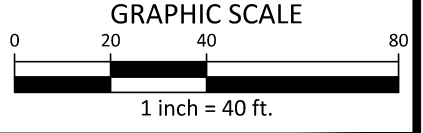
### IMPACT EXHIBIT - CULVERT CROSS SECTION

TOWN OF ROLESVILLE, NORTH CAROLINA

PLAN INFORMATION	
PROJECT NO.	AWH-18010
FILENAME	AWH20000-CD-IM1
CHECKED BY	JB
DRAWN BY	TKD
SCALE	1"=40'/1"=4'
DATE	09. 11. 2024



## IMPACT AREA 12 DOWNSTREAM



X:\Projects\AWH\AWH-20000\04-Production\Engineering\Construction Drawings\Current Drawings\AWH20000-CD-Pkg-01-IM1.dwg, 9/11/2024 4:10:48 PM, Tommy Dabolt



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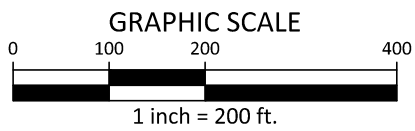
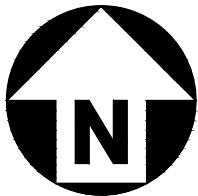
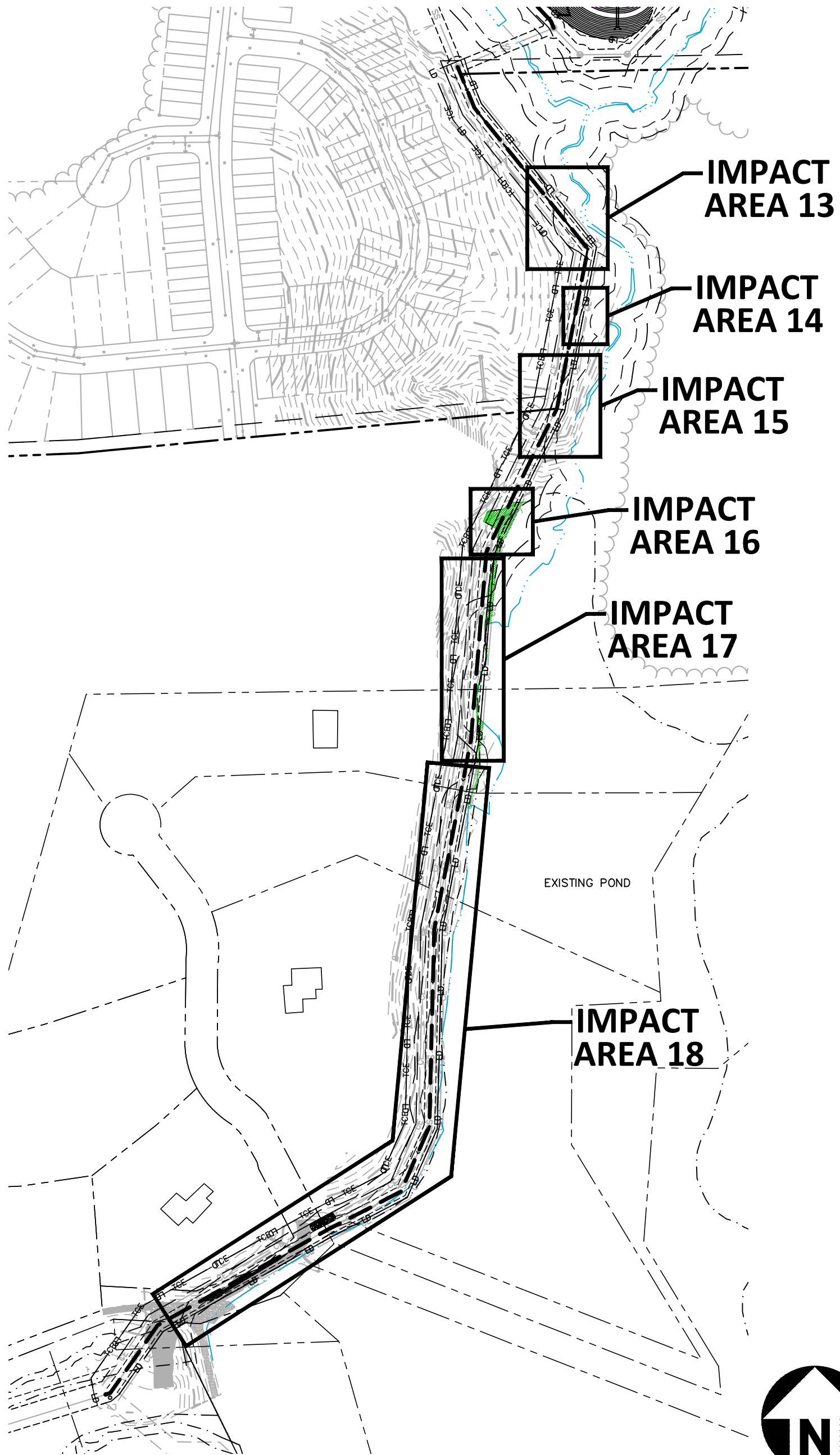
## THE POINT

### PHASES 1-10 AND 14

### IMPACT EXHIBIT - CULVERT CROSS SECTION

TOWN OF ROLESVILLE, NORTH CAROLINA

PLAN INFORMATION	
PROJECT NO.	AWH-18010
FILENAME	AWH20000-CD-IM1
CHECKED BY	JB
DRAWN BY	TKD
SCALE	1"=40'/1"=4'
DATE	09. 11. 2024



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 Durham, NC 27713


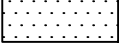



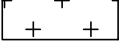


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 fax 919. 361. 2269  
 license number: C-0293, C-187

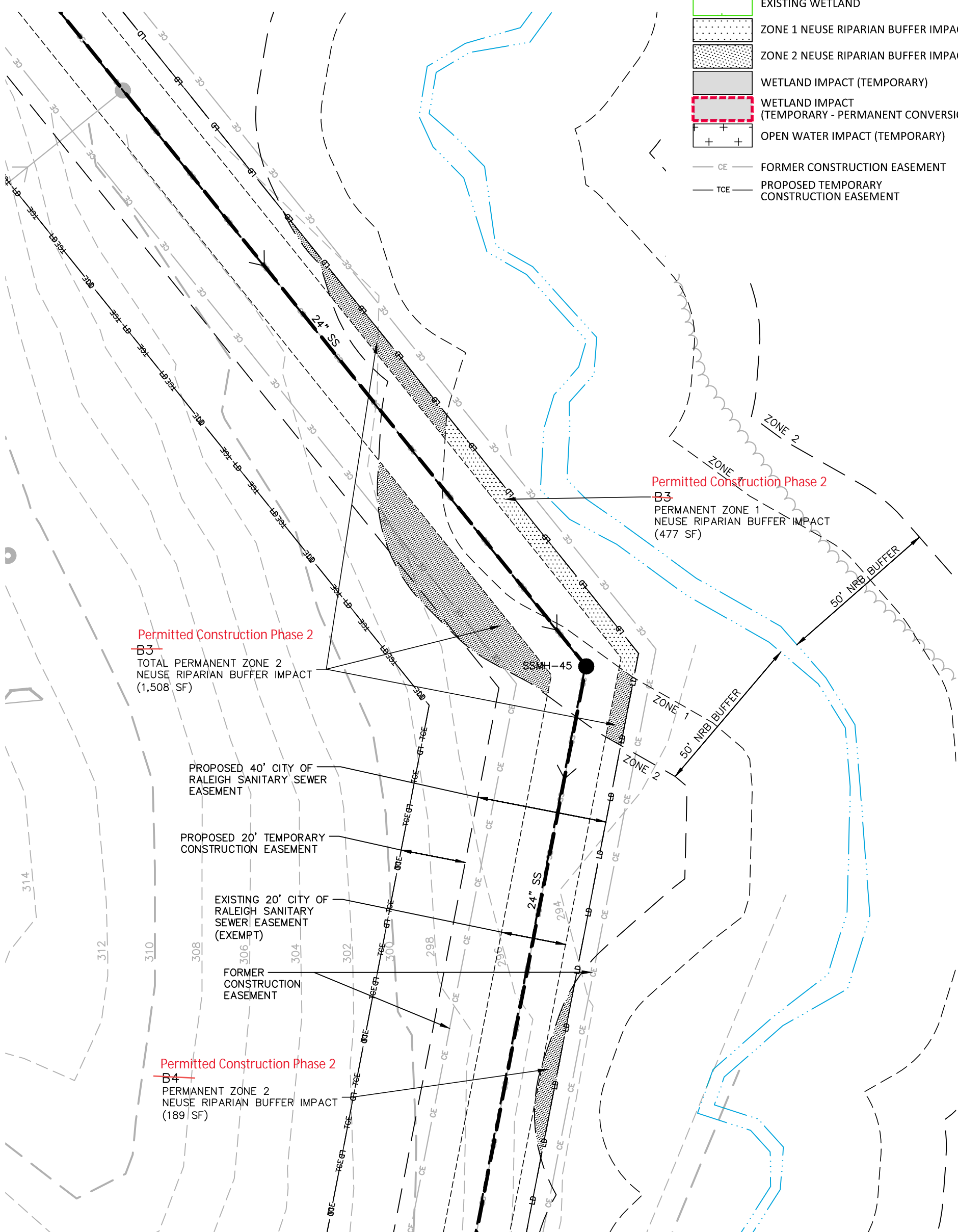
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**THE POINT**  
 HARRIS CREEK INTERCEPTOR  
 OVERALL IMPACT EXHIBIT  
 TOWN OF ROLESVILLE, NORTH CAROLINA

PLAN INFORMATION	
PROJECT NO.	AWH21002
FILENAME	AWH21002-IM1
CHECKED BY	JB
DRAWN BY	SRW
SCALE	1"=200'
DATE	01. 19. 2023

**LEGEND:**

-  EXISTING WETLAND
-  ZONE 1 NEUSE RIPARIAN BUFFER IMPACT
-  ZONE 2 NEUSE RIPARIAN BUFFER IMPACT
-  WETLAND IMPACT (TEMPORARY)
-  WETLAND IMPACT (TEMPORARY - PERMANENT CONVERSION)
-  OPEN WATER IMPACT (TEMPORARY)
-  CE FORMER CONSTRUCTION EASEMENT
-  TCE PROPOSED TEMPORARY CONSTRUCTION EASEMENT



**Permitted Construction Phase 2**  
~~B3~~  
 TOTAL PERMANENT ZONE 2  
 NEUSE RIPARIAN BUFFER IMPACT  
 (1,508 SF)

**Permitted Construction Phase 2**  
~~B3~~  
 PERMANENT ZONE 1  
 NEUSE RIPARIAN BUFFER IMPACT  
 (477 SF)

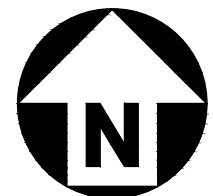
PROPOSED 40' CITY OF  
 RALEIGH SANITARY SEWER  
 EASEMENT

PROPOSED 20' TEMPORARY  
 CONSTRUCTION EASEMENT

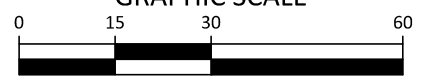
EXISTING 20' CITY OF  
 RALEIGH SANITARY  
 SEWER EASEMENT  
 (EXEMPT)

FORMER  
 CONSTRUCTION  
 EASEMENT

**Permitted Construction Phase 2**  
~~B4~~  
 PERMANENT ZONE 2  
 NEUSE RIPARIAN BUFFER IMPACT  
 (189 SF)



GRAPHIC SCALE



1 inch = 30 ft.

**IMPACT AREAS 13 AND 14**

M:\Projects\AWH\AWH-20000\04-Production\Engineering\SS Outfall Upgrade\Current Drawings\AWH21002-IM1.dwg, 1/18/2023 4:18:43 PM, Sherrill Williams



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 Durham, NC 27713

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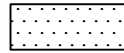
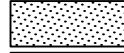


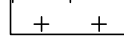

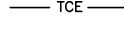
**THE POINT**  
 HARRIS CREEK INTERCEPTOR  
 IMPACT EXHIBIT - IMPACT AREAS 13 AND 14  
 TOWN OF ROLESVILLE, NORTH CAROLINA

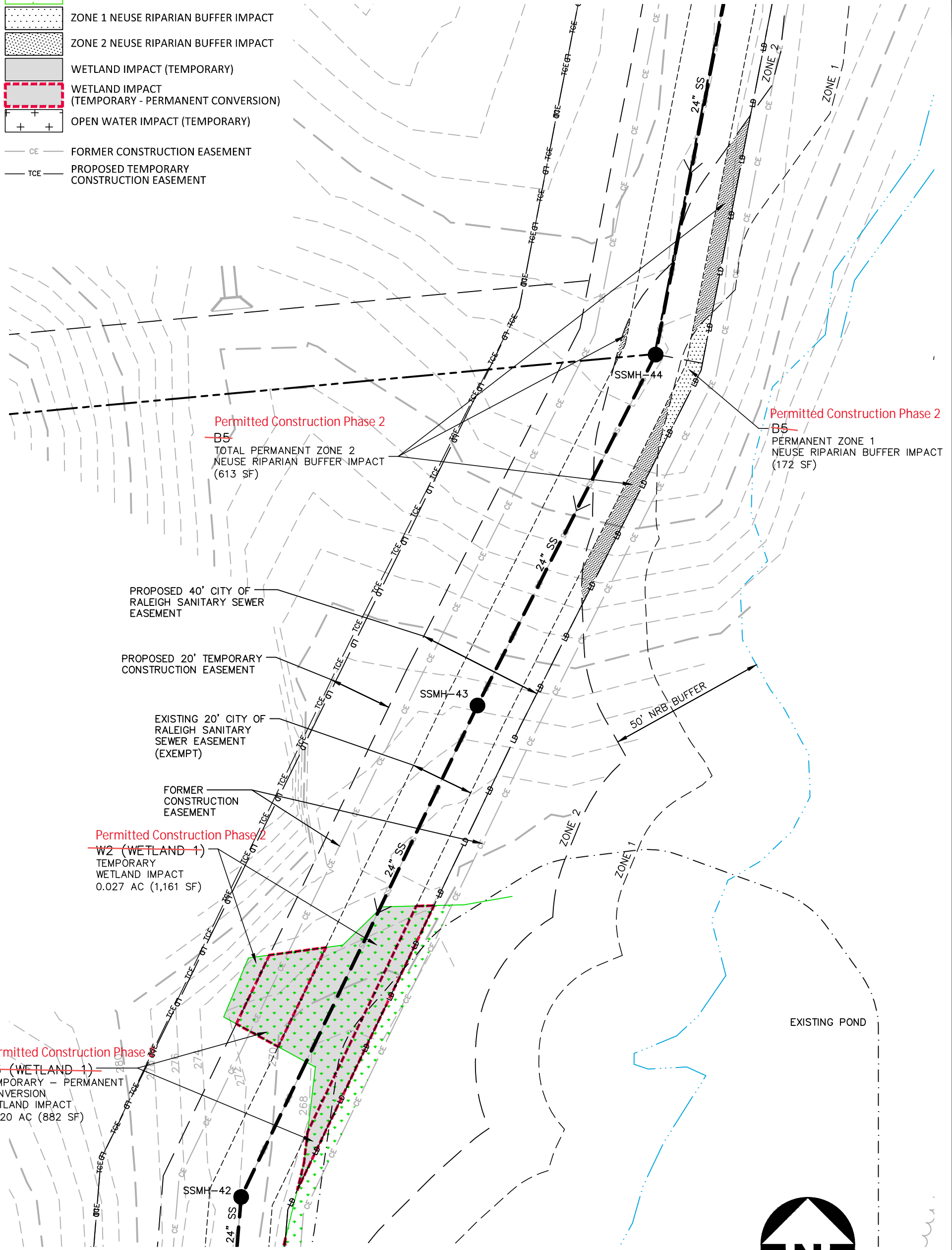
**PLAN INFORMATION**

PROJECT NO.	AWH21002
FILENAME	AWH21002-IM1
CHECKED BY	JB
DRAWN BY	SRW
SCALE	1"=30'
DATE	01. 19. 2023



**LEGEND:**

-  EXISTING WETLAND
-  ZONE 1 NEUSE RIPARIAN BUFFER IMPACT
-  ZONE 2 NEUSE RIPARIAN BUFFER IMPACT
-  WETLAND IMPACT (TEMPORARY)
-  WETLAND IMPACT (TEMPORARY - PERMANENT CONVERSION)
-  OPEN WATER IMPACT (TEMPORARY)
-  CE — FORMER CONSTRUCTION EASEMENT
-  TCE — PROPOSED TEMPORARY CONSTRUCTION EASEMENT

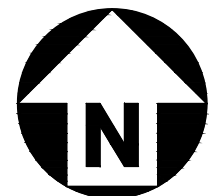


**Permitted Construction Phase 2**  
~~B5~~  
 TOTAL PERMANENT ZONE 2  
 NEUSE RIPARIAN BUFFER IMPACT  
 (613 SF)

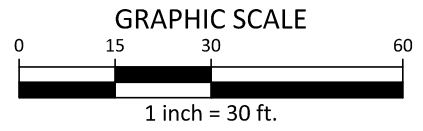
**Permitted Construction Phase 2**  
~~B5~~  
 PERMANENT ZONE 1  
 NEUSE RIPARIAN BUFFER IMPACT  
 (172 SF)

**Permitted Construction Phase 2**  
~~W2 (WETLAND 1)~~  
 TEMPORARY  
 WETLAND IMPACT  
 0.027 AC (1,161 SF)

**Permitted Construction Phase 2**  
~~W3 (WETLAND 1)~~  
 TEMPORARY - PERMANENT  
 CONVERSION  
 WETLAND IMPACT  
 0.020 AC (882 SF)



**IMPACT AREAS 15 AND 16**



M:\Projects\AWH\AWH-20000\04-Production\Engineering\SS Outfall Upgrade\Current Drawings\AWH21002-IM1.dwg, 1/18/2023 4:19:06 PM, Sherrill Williams



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 Durham, NC 27713

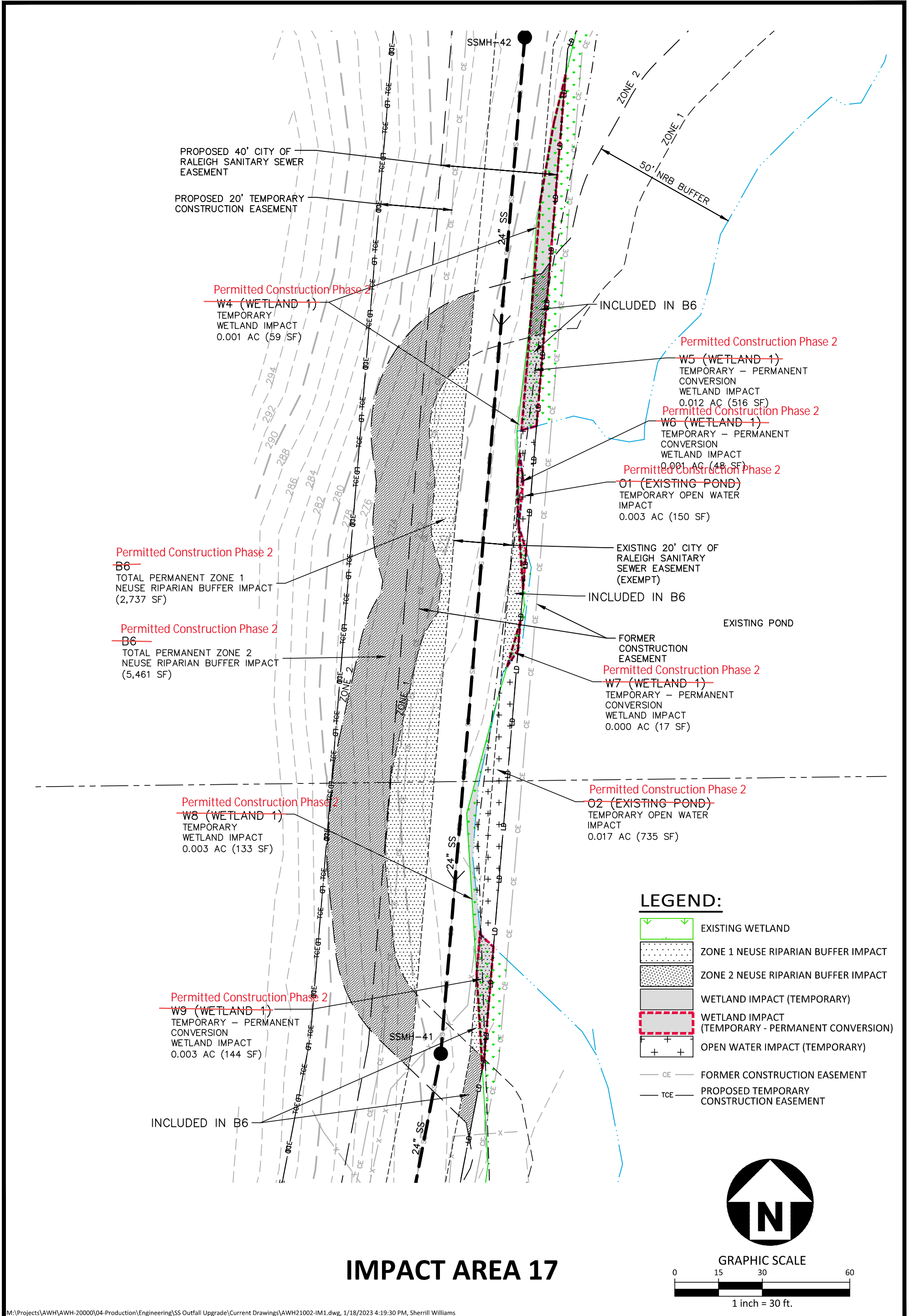
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 fax 919. 361. 2269  
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**THE POINT**  
 HARRIS CREEK INTERCEPTOR  
 IMPACT EXHIBIT - IMPACT AREAS 15 AND 16  
 TOWN OF ROLESVILLE, NORTH CAROLINA

**PLAN INFORMATION**

PROJECT NO.	AWH21002
FILENAME	AWH21002-IM1
CHECKED BY	JB
DRAWN BY	SRW
SCALE	1"=30'
DATE	01. 19. 2023



# IMPACT AREA 17

M:\Projects\AWH\AWH-20000\04-Production\Engineering\SS Outfall Upgrade\Current Drawings\AWH21002-IM1.dwg, 1/18/2023 4:19:30 PM, Sherrill Williams



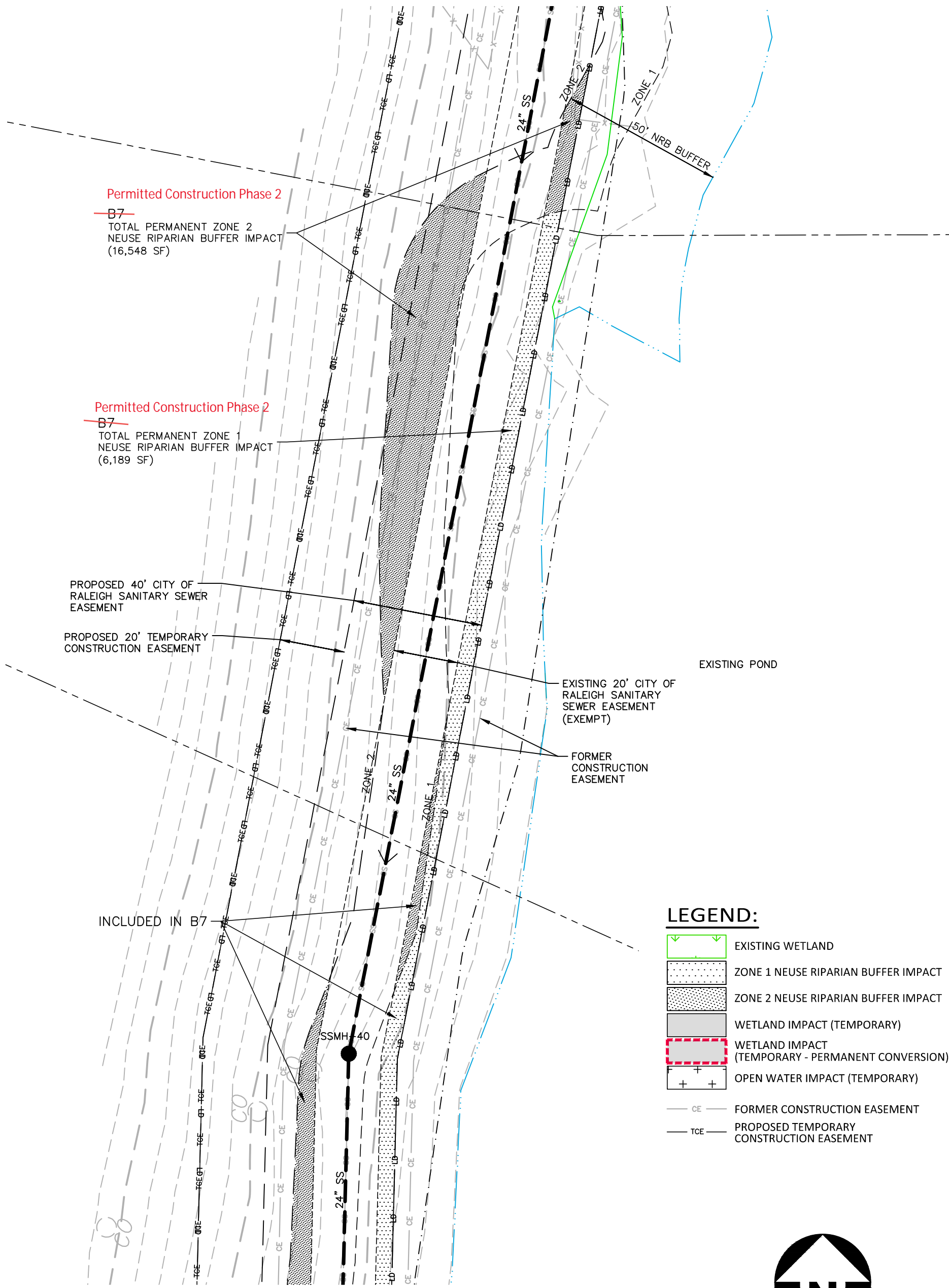
The John R. McAdams Company, Inc.  
2905 Meridian Parkway  
Durham, NC 27713

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fax 919. 361. 2269  
license number: C-0293, C-187

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## THE POINT HARRIS CREEK INTERCEPTOR IMPACT EXHIBIT - IMPACT AREA 17 TOWN OF ROLESVILLE, NORTH CAROLINA

PLAN INFORMATION	
PROJECT NO.	AWH21002
FILENAME	AWH21002-IM1
CHECKED BY	JB
DRAWN BY	SRW
SCALE	1"=30'
DATE	01. 19. 2023



**Permitted Construction Phase 2**  
~~B7~~  
 TOTAL PERMANENT ZONE 2  
 NEUSE RIPARIAN BUFFER IMPACT  
 (16,548 SF)

**Permitted Construction Phase 2**  
~~B7~~  
 TOTAL PERMANENT ZONE 1  
 NEUSE RIPARIAN BUFFER IMPACT  
 (6,189 SF)

PROPOSED 40' CITY OF  
 RALEIGH SANITARY SEWER  
 EASEMENT

PROPOSED 20' TEMPORARY  
 CONSTRUCTION EASEMENT

EXISTING POND





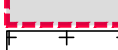
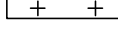
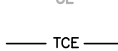

EXISTING 20' CITY OF  
 RALEIGH SANITARY  
 SEWER EASEMENT  
 (EXEMPT)

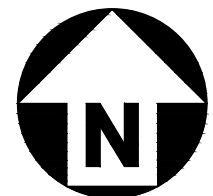
FORMER  
 CONSTRUCTION  
 EASEMENT

INCLUDED IN B7

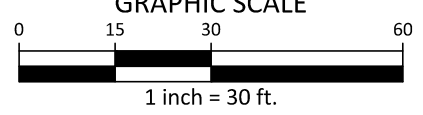
SSMH-40

**LEGEND:**

-  EXISTING WETLAND
-  ZONE 1 NEUSE RIPARIAN BUFFER IMPACT
-  ZONE 2 NEUSE RIPARIAN BUFFER IMPACT
-  WETLAND IMPACT (TEMPORARY)
-  WETLAND IMPACT (TEMPORARY - PERMANENT CONVERSION)
-  OPEN WATER IMPACT (TEMPORARY)
-  CE FORMER CONSTRUCTION EASEMENT
-  TCE PROPOSED TEMPORARY CONSTRUCTION EASEMENT



GRAPHIC SCALE



**IMPACT AREA 18  
 (1 OF 4)**

M:\Projects\AWH\AWH-20000\04-Production\Engineering\SS Outfall Upgrade\Current Drawings\AWH21002-IM1.dwg, 1/18/2023 4:19:58 PM, Sherrill Williams



The John R. McAdams Company, Inc.  
 2905 Meridian Parkway  
 Durham, NC 27713

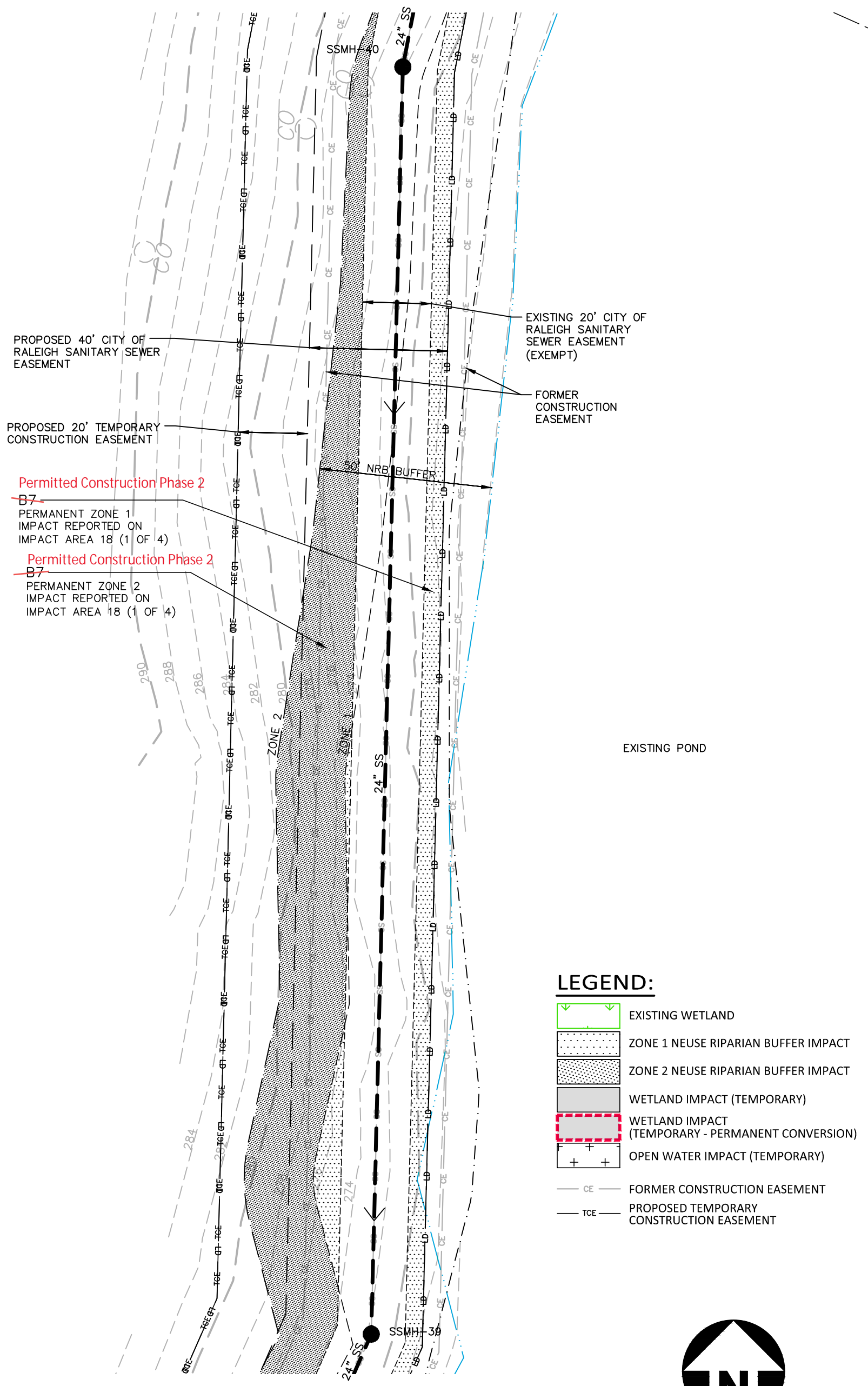
phone 919. 361. 5000  
 fax 919. 361. 2269  
 license number: C-0293, C-187

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**THE POINT**  
 HARRIS CREEK INTERCEPTOR  
 IMPACT EXHIBIT - IMPACT AREA 18  
 TOWN OF ROLESVILLE, NORTH CAROLINA

**PLAN INFORMATION**

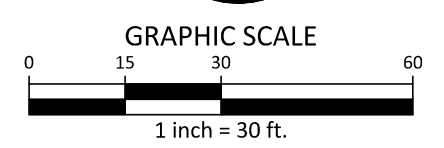
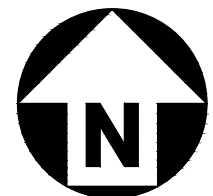
PROJECT NO.	AWH21002
FILENAME	AWH21002-IM1
CHECKED BY	JB
DRAWN BY	SRW
SCALE	1"=30'
DATE	01. 19. 2023



# IMPACT AREA 18 (2 OF 4)

### LEGEND:

- EXISTING WETLAND
- ZONE 1 NEUSE RIPARIAN BUFFER IMPACT
- ZONE 2 NEUSE RIPARIAN BUFFER IMPACT
- WETLAND IMPACT (TEMPORARY)
- WETLAND IMPACT (TEMPORARY - PERMANENT CONVERSION)
- OPEN WATER IMPACT (TEMPORARY)
- CE FORMER CONSTRUCTION EASEMENT
- TCE PROPOSED TEMPORARY CONSTRUCTION EASEMENT



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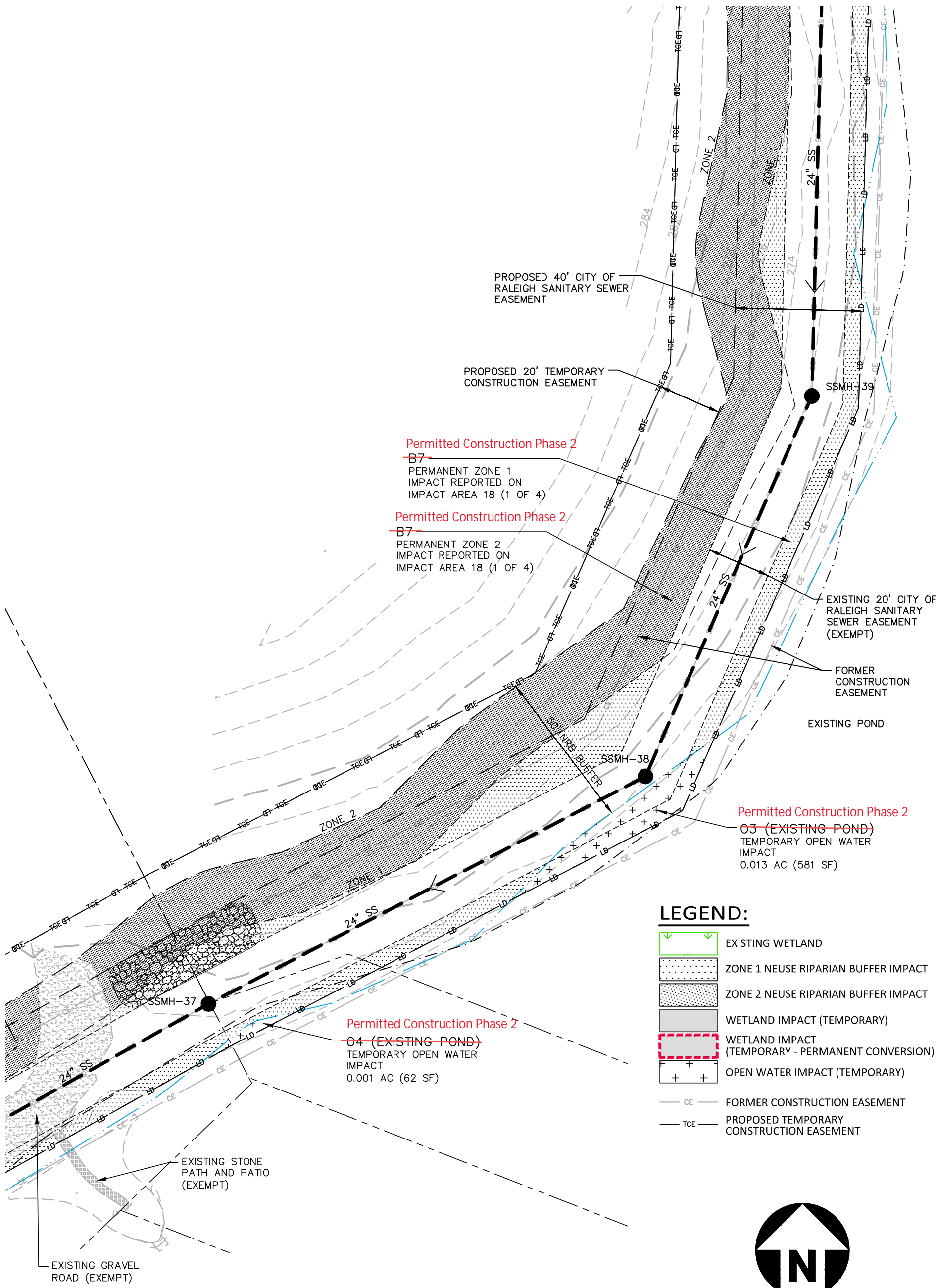
## THE POINT

### HARRIS CREEK INTERCEPTOR

### IMPACT EXHIBIT - IMPACT AREA 18





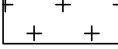

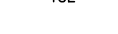

TOWN OF ROLESVILLE, NORTH CAROLINA

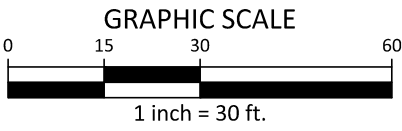
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PROJECT NO.	AWH21002
FILENAME	AWH21002-IM1
CHECKED BY	JB
DRAWN BY	SRW
SCALE	1"=30'
DATE	01. 19. 2023



# IMPACT AREA 18 (3 OF 4)

### LEGEND:

-  EXISTING WETLAND
-  ZONE 1 NEUSE RIPARIAN BUFFER IMPACT
-  ZONE 2 NEUSE RIPARIAN BUFFER IMPACT
-  WETLAND IMPACT (TEMPORARY)
-  WETLAND IMPACT (TEMPORARY - PERMANENT CONVERSION)
-  OPEN WATER IMPACT (TEMPORARY)
-  FORMER CONSTRUCTION EASEMENT
-  PROPOSED TEMPORARY CONSTRUCTION EASEMENT



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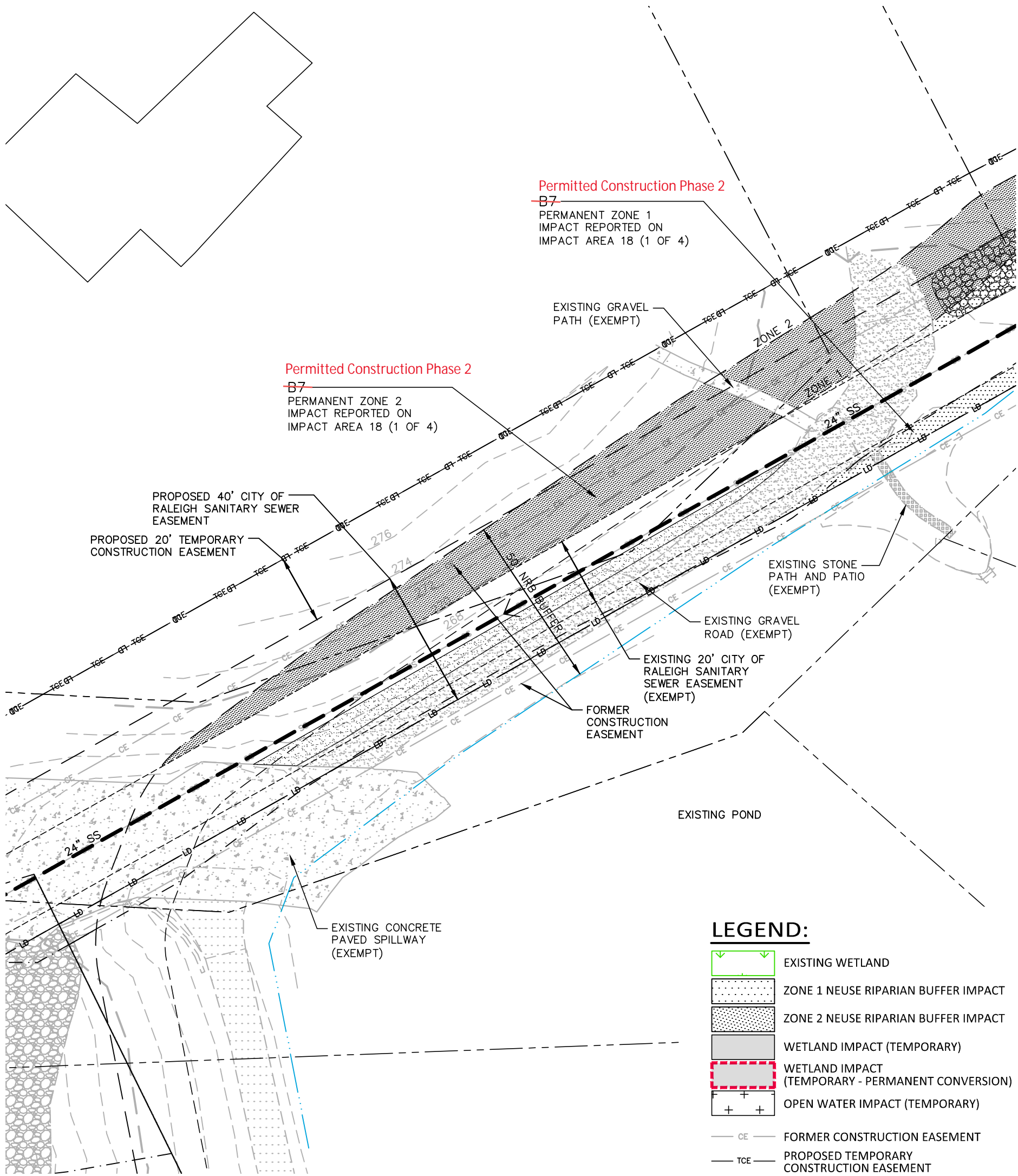
phone 919. 361. 5000  
fax 919. 361. 2269  
license number: C-0293, C-187

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## THE POINT

HARRIS CREEK INTERCEPTOR  
IMPACT EXHIBIT - IMPACT AREA 18  
TOWN OF ROLESVILLE, NORTH CAROLINA

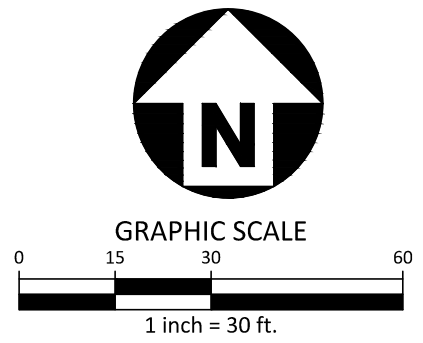
PLAN INFORMATION	
PROJECT NO.	AWH21002
FILENAME	AWH21002-IM1
CHECKED BY	JB
DRAWN BY	SRW
SCALE	1"=30'
DATE	01. 19. 2023



**LEGEND:**

- EXISTING WETLAND
- ZONE 1 NEUSE RIPARIAN BUFFER IMPACT
- ZONE 2 NEUSE RIPARIAN BUFFER IMPACT
- WETLAND IMPACT (TEMPORARY)
- WETLAND IMPACT (TEMPORARY - PERMANENT CONVERSION)
- OPEN WATER IMPACT (TEMPORARY)
- CE — FORMER CONSTRUCTION EASEMENT
- TCE — PROPOSED TEMPORARY CONSTRUCTION EASEMENT

## IMPACT AREA 18 (4 OF 4)



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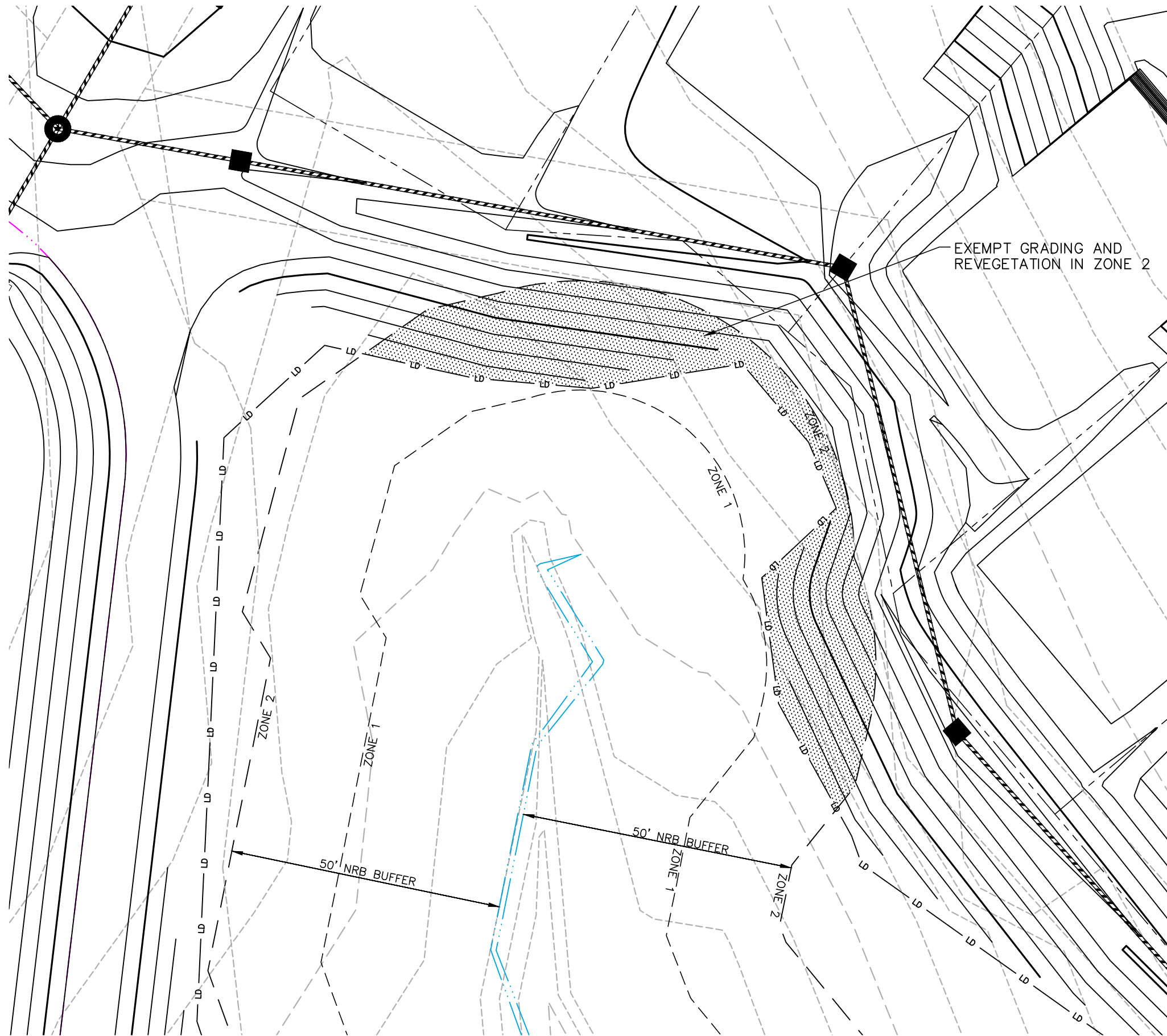
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# THE POINT

## HARRIS CREEK INTERCEPTOR IMPACT EXHIBIT - IMPACT AREA 18

TOWN OF ROLESVILLE, NORTH CAROLINA

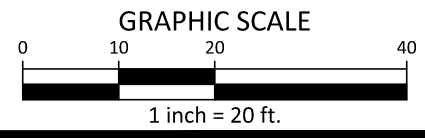
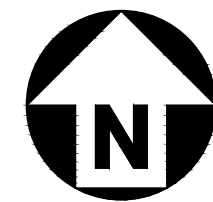
PLAN INFORMATION	
PROJECT NO.	AWH21002
FILENAME	AWH21002-IM1
CHECKED BY	JB
DRAWN BY	SRW
SCALE	1"=30'
DATE	01. 19. 2023



# IMPACT AREA 19

## LEGEND:

- EXISTING WETLAND
- PERMANENT STREAM IMPACT (CULVERT)
- PERMANENT STREAM IMPACT (RIP RAP)
- TEMPORARY STREAM IMPACT
- WETLAND IMPACT (TEMPORARY)
- WETLAND IMPACT (PERMANENT)
- OPEN WATER IMPACT (TEMPORARY)
- OPEN WATER IMPACT (PERMANENT)
- ZONE 1 NEUSE RIPARIAN BUFFER IMPACT
- ZONE 2 NEUSE RIPARIAN BUFFER IMPACT



**PLAN INFORMATION**  
 PROJECT NO. AWH-18010  
 FILENAME AWH20000-CD-IMI  
 CHECKED BY JB TKD  
 DRAWN BY TKD  
 SCALE 1"=20'  
 DATE 05.07.2024

# THE POINT

## PHASES 1-10 AND 14

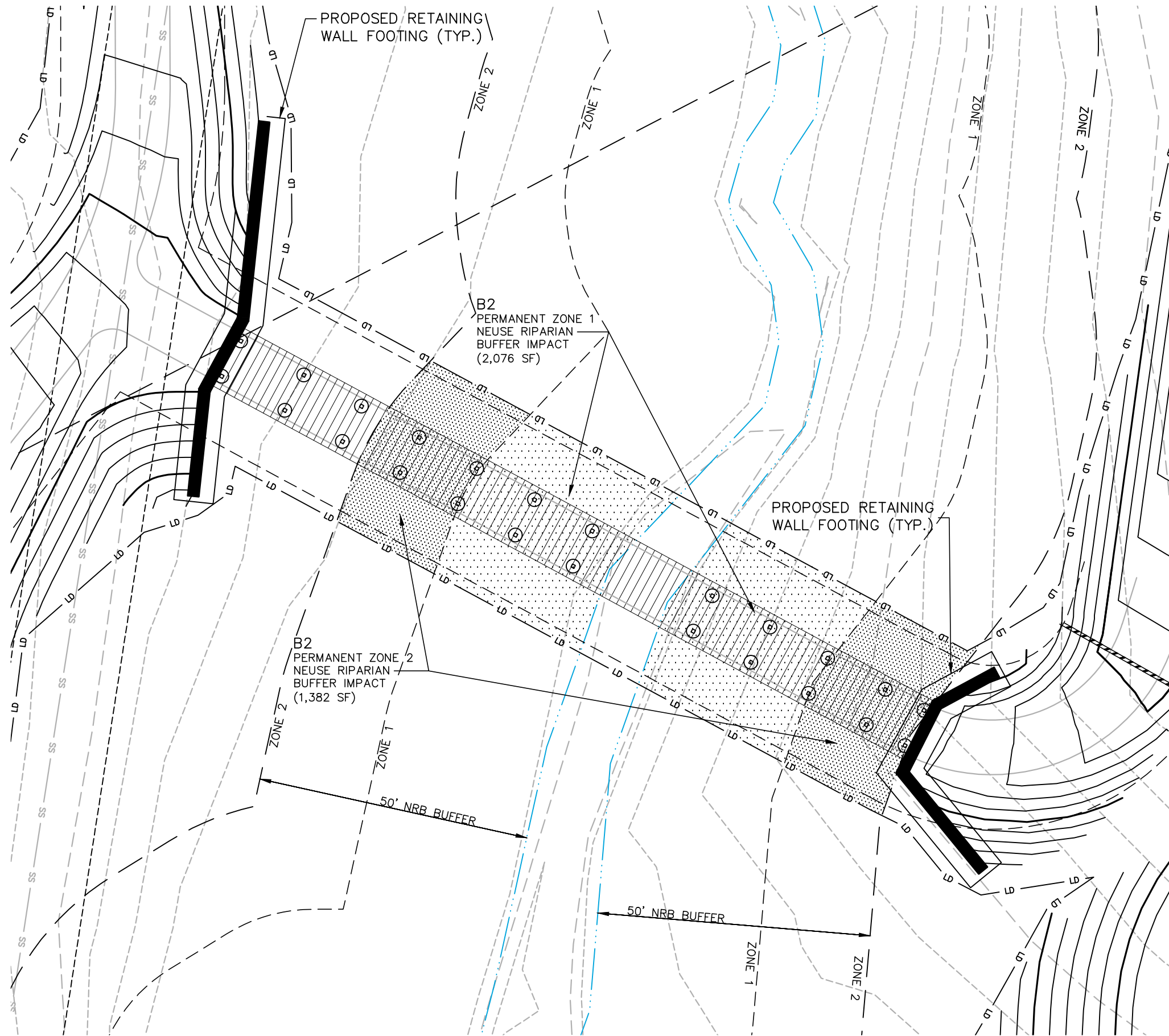
### IMPACT EXHIBIT - IMPACT AREA 19

TOWN OF ROLESVILLE, NORTH CAROLINA

The John R. McAdams Company, Inc.  
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 Durham, NC 27713  
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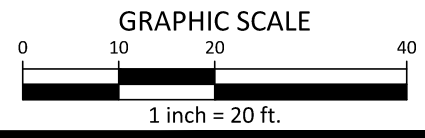
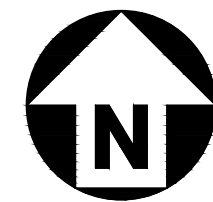
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**IMPACT AREA 20**

**LEGEND:**

- EXISTING WETLAND
- PERMANENT STREAM IMPACT (CULVERT)
- PERMANENT STREAM IMPACT (RIP RAP)
- TEMPORARY STREAM IMPACT
- ZONE 1 NEUSE RIPARIAN BUFFER IMPACT
- ZONE 2 NEUSE RIPARIAN BUFFER IMPACT
- WETLAND IMPACT (TEMPORARY)
- WETLAND IMPACT (PERMANENT)
- OPEN WATER IMPACT (TEMPORARY)
- OPEN WATER IMPACT (PERMANENT)



**PLAN INFORMATION**  
 PROJECT NO. AWH-18010  
 FILENAME AWH20000-CD-IMI  
 CHECKED BY JB TKD  
 DRAWN BY TKD  
 SCALE 1"=20'  
 DATE 05.07.2024

**THE POINT**  
 PHASES 1-10 AND 14  
 IMPACT EXHIBIT - IMPACT AREA 20  
 TOWN OF ROLESVILLE, NORTH CAROLINA

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